CONTRACT PLANS COMPONENTS

STRUCTURE PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS
LIGHTING PLANS
ITS PLANS
LANDSCAPE CONCEPTUAL LAYOUT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2 - 3	SIGNATURE SHEETS
4 - 15	SUMMARY OF PAY ITEMS
16 - 20	EXISTING DRAINAGE STRUCTURES
21 - 29	DRAINAGE MAPS / FLOOD DATA TABLE
30 - 31	INTERCHANGE DRAINAGE MAPS
32 - 41	TYPICAL SECTIONS
42 - 48	TYPICAL SECTION DETAILS
49 - 90	SUMMARY OF DRAINAGE STRUCTURES
91 - 93	OPTIONAL MATERIALS TABULATION
94 - 98	CURVE & COORDINATE DATA
99 - 101	PROJECT LAYOUT
102 - 104	PROJECT CONTROL
105	GENERAL NOTES
106 - 123	ROADWAY PLANS
124 - 151	ROADWAY PROFILES
152 - 153	TRAFFIC MONITORING SITE
154 - 161	RAMP TERMINAL DETAILS
162	INTERCHANGE LAYOUT
163 - 164	INTERSECTION LAYOUT
165 - 321	DRAINAGE STRUCTURES
322 - 342	POND DETAILS
343	MISCELLANEOUS DRAINAGE DETAIL SHEET
344 - 346	CROSS SECTION PATTERN
347 - 354	ROADWAY SOIL SURVEY
355 - 472	ROADWAY CROSS SECTIONS
473 - 483	ROADWAY SOIL SURVEY - PONDS
484 - 522	POND CROSS SECTIONS
523 - 525	STORMWATER POLLUTION PREVENTION PLAN
526 - 643	TEMPORARY TRAFFIC CONTROL PLAN
644	UTILITY GENERAL NOTES
645 - 660	UTILITY ADJUSTMENT PLANS
SQ-1 - SQ-56	SUMMARY OF QUANTITIES

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

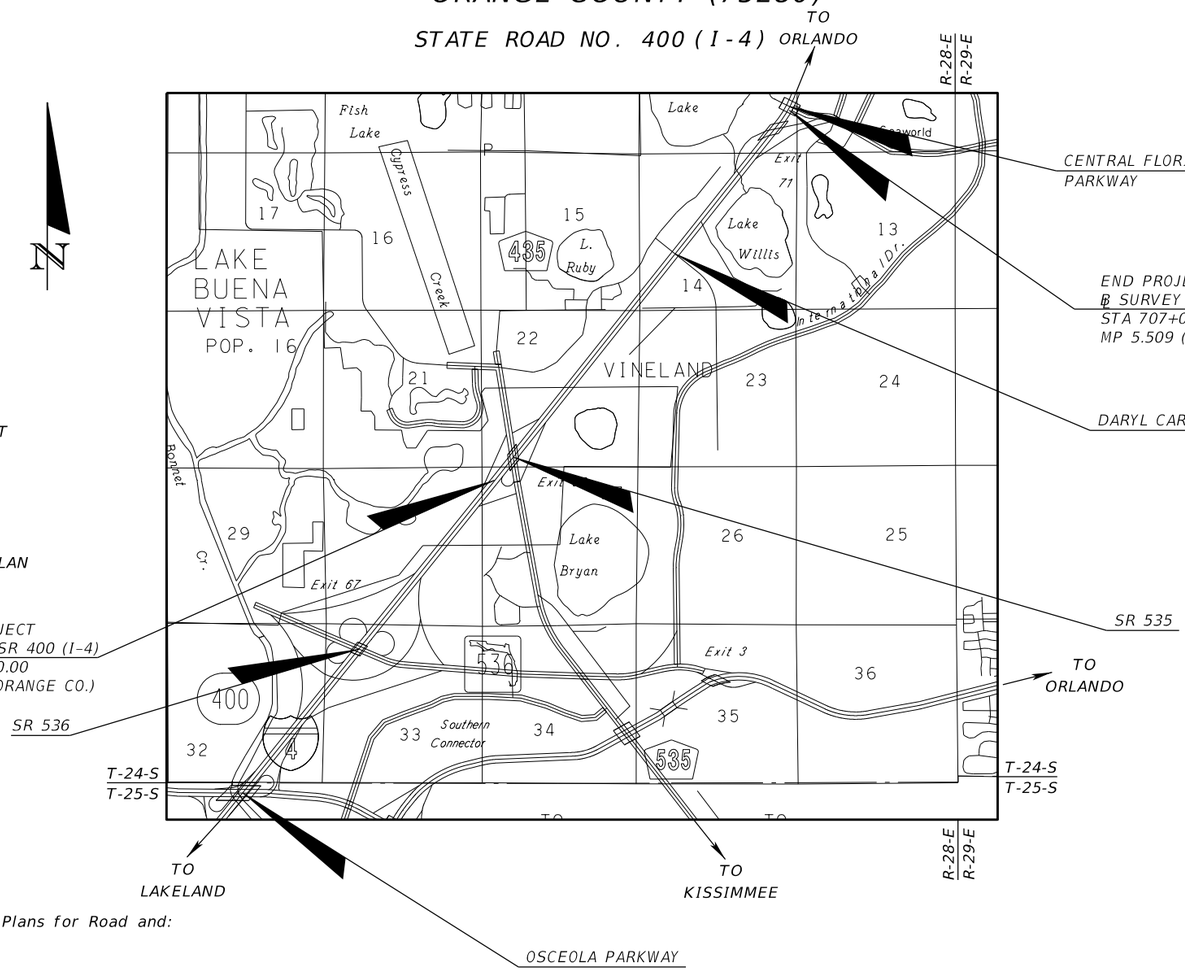
CONTRACT PLANS

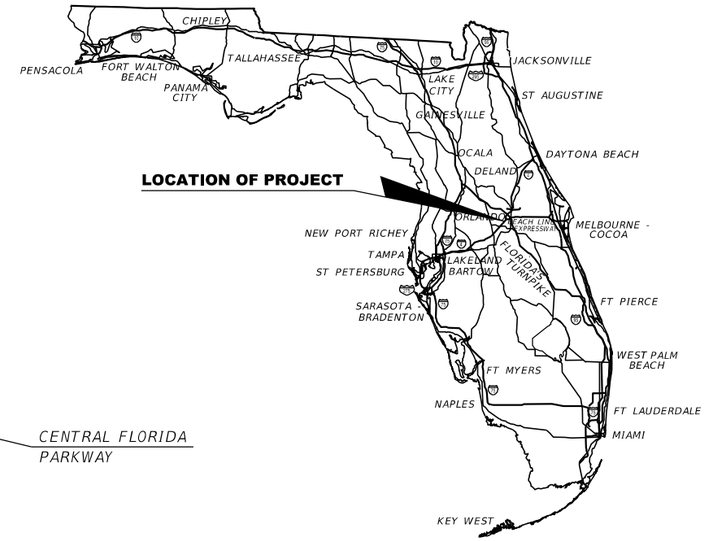
FINANCIAL PROJECT ID 441113-1-52-01

(FEDERAL FUNDS)

ORANGE COUNTY (75280)

STATE ROAD NO. 400 (I-4)





90% (PHASE III)
AUGUST 2019

GOVERNING DESIGN STANDARDS:

Florida Department of Transportation, FY 2018-2019 eStandard Plans for Road and: Bridge Construction and applicable Interim Revisions (IRs)

Standard Plans for Road Construction and associated IRs are available at the following website: http://www.fdot.gov/design/standardplans

Standard Plans for Bridge Construction are included in the Structures Plans

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July 2019 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/Implemented/SpecBooks

ROADWAY PLANS ENGINEER OF RECORD:

Michael S. Phillips, P.E. No. 61806
AECOM Technical Services, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115

FDOT PROJECT MANAGER:

Su Hao, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
TBD	21	1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

MICHAEL SCOTT PHILLIPS
LICENSE
No 61806
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

AECOM TECHNICAL SERVICES, INC.
150 NORTH ORANGE AVE, SUITE 200
ORLANDO, FL 32801-1949
CERTIFICATE OF AUTHORIZATION NO. 8115
MICHAEL SCOTT PHILLIPS, P.E. NO. 61806

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2-3	SIGNATURE SHEETS
4-15	SUMMARY OF PAY ITEMS
32-41	TYPICAL SECTIONS
42-48	TYPICAL SECTION DETAILS
94-98	CURVE AND COORDINATE DATA
99-101	PROJECT LAYOUT
105	GENERAL NOTES
106-123	ROADWAY PLANS
124-151	ROADWAY PROFILES
154-161	RAMP TERMINAL DETAILS
162	INTERCHANGE LAYOUT
163-164	INTERSECTION LAYOUT
344-346	CROSS SECTION PATTERN
355-472	ROADWAY CROSS SECTIONS
526-643	TEMPORARY TRAFFIC CONTROL PLAN
SQ-1 - SQ-56	SUMMARY OF QUANTITIES

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

TUY DUONG
LICENSE
No 66461
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

AECOM TECHNICAL SERVICES, INC.
150 NORTH ORANGE AVENUE, SUITE 200
ORLANDO, FL 32801-1949
CERTIFICATE OF AUTHORIZATION NO. 8115
TUY DUONG, P.E. NO. 66461

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
16-20	EXISTING DRAINAGE STRUCTURES
21-29	DRAINAGE MAPS/FLOOD DATA TABLE
30-31	INTERCHANGE DRAINAGE MAPS
49-90	SUMMARY OF DRAINAGE STRUCTURES
91-93	OPTIONAL MATERIALS TABULATION
165-321	DRAINAGE STRUCTURES
322-342	POND DETAILS
343	MISCELLANEOUS DRAINAGE DETAIL SHEET
484-522	POND CROSS SECTIONS
523-525	STORMWATER POLLUTION PREVENTION PLAN

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

THOMAS J. BARRY
License Number
4695
STATE OF FLORIDA
Professional Surveyor and Mapper

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

AECOM TECHNICAL SERVICES, INC.
150 NORTH ORANGE AVENUE, SUITE 200
ORLANDO, FL 32801-1949
CERTIFICATE OF AUTHORIZATION NO. 8115
THOMAS J. BARRY, P.S.M. NO. 4695

THE ABOVE NAMED PROFESSIONAL SURVEYOR AND MAPPER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 5J-17, F.A.C.

SHEET NO.	SHEET DESCRIPTION
102-104	PROJECT CONTROL

THE ABOVE NAMED PROFESSIONAL SURVEYOR AND MAPPER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 5J-17, F.A.C.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SIGNATURE SHEET

SHEET NO. 2

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ZAN C. BATES
LICENSE
No 49917
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

ARDAMAN AND ASSOCIATES
8008 S. ORANGE AVE
ORLANDO, FL 32809
CERTIFICATE OF AUTHORIZATION NO. 5950
ZAN C. BATES, P.E. NO. 49917

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
347-354	ROADWAY SOIL SURVEY

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

SUSANNE S. WILLIAMS
LICENSE
No 49486
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

TRAFFIC ENGINEERING DATA SOLUTIONS, INC.
80 SPRING VISTA DRIVE
DEBARY, FL 32713
CERTIFICATE OF AUTHORIZATION 27392
SUSANNE S. WILLIAMS, P.E. NO. 49486

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004 F.A.C.

SHEET NO.	SHEET DESCRIPTION
152-153	TRAFFIC MONITORING SITE

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ERROL S. ABDULLA
LICENSE
No 74803
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

AWK CONSULTING ENGINEERS, INC
6457 HAZELTINE NATIONAL DRIVE
SUITE 150
ORLANDO, FL 32822
CERTIFICATE OF AUTHORIZATION NO. 00029901
ERROL S. ABDULLA, P.E. NO. 74803

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
473-483	ROADWAY SOIL SURVEY - PONDS

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

THOMAS M. PRIDGEN
LICENSE
No 18495
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

CARDNO, INC.
402 SOUTH NORTHLAKE BLVD., SUITE 1004
ALTAMONTE SPRINGS, FL 32701
CERTIFICATE OF AUTHORIZATION NO. 3843
THOMAS M. PRIDGEN, P.E. NO. 18495

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
644	UTILTIY GENERAL NOTES
645-660	UTILITY ADJUSTMENT PLANS

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SIGNATURE SHEET

SHEET NO. 3

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPSAL SUMMARY OF PAY ITEMS

PROJECT : 441113-1-52-01 | DISTRICT : 05 | COUNTY/SECTION : 75280

COUNTY : ORANGE

0001 SUMMARY OF STRUCTURES

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	44111315201 BRIDGE 64 750956	44111315201 BRIDGE 63 754115	MAINLINE	QUANTITY TOTAL
		0400- 2- 4	CONC CLASS II, BRIDGE SUPERSTRUCTURE	CY	758	224		982
		0400- 2- 10	CONCRETE CLASS II, APPROACH SLABS	CY	103.6	71.5		175.1
		0400- 4- 5	CONCRETE CLASS IV, BRIDGE SUBSTRUCTURE	CY	56.9	0		56.9
		0400- 4- 25	CONCRETE CLASS IV, MASS, SUBSTRUCTURE	CY	2384.1	0		2384.1
		0400- 9-	BRIDGE DECK GROOVING & PLANING, DECK 8.5" AND GREATER	SY	2787	1088.60		3875.6
		0400- 147-	COMPOSITE NEOPRENE PADS	CF	24.7	0		24.7
		0415- 1- 4	REINFORCING STEEL - BRIDGE SUPERSTRUCTURE	LB	131392	36098		167490
		0415- 1- 5	REINFORCING STEEL- BRIDGE SUBSTRUCTURE	LB	731288	0		731288
		0415- 1- 9	REINFORCING STEEL- APPROACH SLABS	LB	18804	14607		33411
		0450- 2- 36	PREST BEAMS: FLORIDA-I BEAM 36"	LF	2948	0		2948
		0455- 34- 5	PRESTRESSED CONCRETE PILING, 24" SQ	LF	4466	0		4466
		0455- 143- 5	TEST PILES-PRESTRESSED CONCRETE,24" SQ	LF	518	0		518
		0458- 1- 11	BRIDGE DECK EXPANSION JOINT, NEW CONSTRUCTION, F&I POURED JOINT WITH BACKER ROD	LF	213.3	33		246.3
		0459- 71-	PILES, POLYETHYLENE SHEETING	SY	141	0		141
		0521- 5- 13	CONCRETE TRAFFIC RAILING, BRIDGE 36" SINGLE SLOPE	LF	1366	1671		3037
		0521- 8- 7	CONCRETE BARRIER, WITH JUNCTION SLAB, 36" SINGLE SLOPE	LF			3733.9	3733.9
		0524- 2- 2	CONCRETE SLOPE PAVEMENT,NON REINFORCED, 4"	SY	28.6	0		28.6
		0548- 12	RETAINING WALL SYSTEM, PERMANENT, EXCLUDING BARRIER	SF			71437	71437

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL, 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 4

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPSAL SUMMARY OF PAY ITEMS

PROJECT : 441113-1-52-01 | DISTRICT : 05 | COUNTY/SECTION : 75280

COUNTY : ORANGE

0002 SUMMARY OF ROADWAY

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT				QUANTITY TOTAL
		0102- 1-	MAINTENANCE OF TRAFFIC	(LS)				934.00
		0102- 2- 1	SPECIAL DETOUR 1	LS				1.00
		0102- 2- 2	SPECIAL DETOUR 2	LS				1.00
		0102- 14-	TRAFFIC CONTROL OFFICER	HR				296.00
		0102- 60-	WORK ZONE SIGN	ED				26478.00
		0102- 61-	BUSINESS SIGN	EA				0.00
		0102- 71- 15	TEMPORARY BARRIER, F&I, ANCHORED	LF				28234.00
		0102- 71- 25	TEMPORARY BARRIER, RELOCATE, ANCHORED	LF				42887.00
		0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED				90750.00
		0102- 74- 2	CHANNELIZING DEVICE, TYPE III, 6'	ED				98.00
		0102-74- 7	CHANNELIZIING DEVICE- PEDESRIAN LCD (LONGITUDINAL CHANNELING DEVICE)	LF				2890.00
		102- 76-	ARROW BOARD/ ADVANCED WARNING ARROW PANEL	ED				394.00
		0102- 78-	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA				6431.00
		0102- 89 - 1	TEMPORARY CRASH CUSHION, REDIRECTIVE OPTION	LO				19.00
		0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED				2162.00
		0102-104-	TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION	ED				98.00
		0102-107- 1	TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION	ED				1032.00
		0102 9111	PAVEMENT MAKEING REMOVABLE TAPE, WHITE, SKIP	LF				0.095
		0102 9112	PAVEMENT MAKEING REMOVABLE TAPE, WHITE, SOLID	LF				0.095
		0102 9122	PAVEMENT MAKEING REMOVABLE TAPE, YELLOW, SOLID	LF				0.095
		0104- 10- 3	SEDIMENT BARRIER	LF				22567.00
		0104- 11-	FLOATING TURBIDITY BARRIER	LF				3289.00
		0104- 12-	STAKED TURBIDITY BARRIER- NYLON REINFORCED PVC	LF				810.00
		0104- 18-	INLET PROTECTION SYSTEM	EA				308.00
		0107- 1-	LITTER REMOVAL	AC				69.27
		0107- 2-	MOWING	AC				109.36
P		0108- 1-	MONITOR EXISTING STRUCTURES- INSPECTION AND SETTLEMENT MONITORING	LS				1.00
P		0108- 2-	MONITOR EXISTING STRUCTURES- VIBRATION MONITORING	LS				1.00
P		0108- 3-	MONITOR EXISTING STRUCTURES- GROUNDWATER MONITORING 24020025201	LS				1.00
		0110- 1- 1	CLEARING & GRUBBING	(LS)				58.00
		0110- 4- 10	REMOVAL OF EXISTING CONCRETE	SY				1808.00
		0120- 1-	REGULAR EXCAVATION	CY				514401.00
		0120- 4-	SUBSOIL EXCAVATION	CY				622.00
		0120- 6-	EMBANKMENT	CY				450959.00

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 5

jake.rogalski 8/23/2019 3:01:17 PM c:\pwworking\aecom_na\na_jake.rogalski\d0164870\CESSRD01.DGN

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPSAL SUMMARY OF PAY ITEMS

PROJECT : 441113-1-52-01 | DISTRICT : 05 | COUNTY/SECTION : 75280

COUNTY : ORANGE

0002 SUMMARY OF ROADWAY

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT				QUANTITY TOTAL
		0121- 70- 12	FLOWABLE FILL, CULVERT FILLING	CY				3.86
		0160- 4-	TYPE B STABILIZATION	SY				75610.00
		0285-703-	OPTIONAL BASE, BASE GROUP 03	SY				3465.00
		0285-704-	OPTIONAL BASE, BASE GROUP 04	SY				3234.00
		0285-705-	OPTIONAL BASE, BASE GROUP 05	SY				16612.00
		0285-710-	OPTIONAL BASE, BASE GROUP 10	SY				1628.00
		0285-711-	OPTIONAL BASE, BASE GROUP 11	SY				20674.00
		0285-712-	OPTIONAL BASE, BASE GROUP 12	SY				21839.00
		0327- 70- 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	SY				34275.00
		0327- 70- 13	MILLING EXIST ASPH PAVT, 1 3/4" AVG DEPTH	SY				356.00
		0327- 70- 19	MILLING EXIST ASPH PAVT, 3/4" AVG DEPTH	SY				124004.00
		0334- 1- 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN				9508.40
		0334- 1- 14	SUPERPAVE ASPHALTIC CONC, TRAFFIC D	TN				2159.20
		0334- 1- 15	SUPERPAVE ASPHALTIC CONC, TRAFFIC E	TN				1198.80
		0334- 1- 54	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC D, PG76-22	TN				2180.10
		0334- 1- 55	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC E, PG76-22	TN				2397.60
		0337- 7- 25	ASPHALT CONCRETE FRICTION COURSE, INC BIT, FC-5, PG 76-22	TN				7269.20
		0337- 7- 83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-22	TN				1105.80
		0339- 1-	MISCELLANEOUS ASPHALT PAVEMENT	TN				150.10
		0400- 1- 2	CONCRETE CLASS I, ENDWALLS	CY				9.16
		0425- 1-311	INLETS, CURB, TYPE P-1, <10'	EA				11.00
		0425- 1-412	INLETS, CURB, TYPE J-1, >10'	EA				1.00
		0425- 1-551	INLETS, DT BOT, TYPE E, <10'	EA				42.00
		0425- 1-552	INLETS, DT BOT, TYPE E, >10'	EA				2.00
		0425- 1-553	INLETS, DT BOT, TYPE E, J BOT, <10'	EA				15.00

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 6

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPSAL SUMMARY OF PAY ITEMS

PROJECT : 441113-1-52-01 | DISTRICT : 05 | COUNTY/SECTION : 75280

COUNTY : ORANGE

0002 SUMMARY OF ROADWAY

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT				QUANTITY TOTAL
		0425- 1-554	INLETS, DT BOT, TYPE E, J BOT, >10'	EA				11.00
		0425- 1-559	INLETS, DT BOT, TYPE E, MODIFY	EA				5.00
		0425- 1-701	INLETS, GUTTER, TYPE S, <10'	EA				68.00
		0425- 1-702	INLETS, GUTTER, TYPE S, >10'	EA				2.00
		0425- 1-703	INLETS, GUTTER, TYPE S, J BOTTOM <10'	EA				34.00
		0425- 1-704	INLETS, GUTTER, TYPE S, J BOTTOM, >10'	EA				6.00
		0425- 1-891	INLETS, BARRIER WALL, <10'	EA				47.00
		0425- 1-892	INLETS, BARRIER WALL, >10'	EA				4.00
		0425- 1-893	INLETS, BARRIER WALL, J BOT, <10'	EA				12.00
		0425- 1-894	INLETS, BARRIER WALL, J BOT, >10'	EA				13.00
		0425- 2- 41	MANHOLES, P-7, <10'	EA				15.00
		0425- 2- 42	MANHOLES, P-7, >10'	EA				5.00
		0425- 2- 71	MANHOLES, J-7, <10'	EA				20.00
		0425- 2-72	MANHOLES, J-7, >10'	EA				37.00
		0425- 5	MANHOLES, ADJUST (MODIFIED TOP)	EA				5.00
		0430-175-118	PIPE CULVERT, OPTIONAL MATERIAL,ROUND, 18"S/CD	LF				12537.00
		0430-175-124	PIPE CULVERT, OPTIONAL MATERIAL,ROUND, 24"S/CD	LF				5681.00
		0430-175-130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF				5395.00
		0430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF				650.00
		0430-175-142	PIPE CULVERT, OPT MATERIAL, ROUND, 42"S/CD	LF				1203.00
		0430-175-148	PIPE CULVERT, OPT MATERIAL, ROUND, 48"S/CD	LF				1700.00
		0430-175-154	PIPE CULVERT, OPT MATERIAL, ROUND, 54"S/CD	LF				979.00
		0430-175-160	PIPE CULVERT, OPT MATERIAL, ROUND, 60"S/CD	LF				1665.00
		0430-175-248	PIPE CULVERT,OPTIONAL MATERIAL, OTHER SHAPE - ELLIPTICAL, 48", STORM AND CROSS DRAIN	LF				36.00
		0430- 185-154	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, JACK AND BORE, 54", STORM AND CROSS DRAIN	LF				249.00
		0430- 185-160	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, JACK AND BORE, 60", STORM AND CROSS DRAIN	LF				290.00
		0430-982-125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA				15.00
		0430-982-129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA				4.00
		0430-982-133	MITERED END SECTION, OPTIONAL ROUND, 30" CD	EA				3.00
		0430-982-138	MITERED END SECTION, OPTIONAL ROUND, 36" CD	EA				3.00
		0430-982-140	MITERED END SECTION, OPTIONAL ROUND, 42" CD	EA				2.00
		0430-982-141	MITERED END SECTION, OPTIONAL ROUND, 48" CD	EA				6.00
		0430-982-142	MITERED END SECTION, OPTIONAL ROUND, 54" CD	EA				1.00
		0430-982-143	MITERED END SECTION, OPTIONAL ROUND, 60" CD	EA				3.00

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 7

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPSAL SUMMARY OF PAY ITEMS

PROJECT : 441113-1-52-01 | DISTRICT : 05 | COUNTY/SECTION : 75280

COUNTY : ORANGE

0002 SUMMARY OF ROADWAY

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT				QUANTITY TOTAL
		0520- 1- 7	CONCRETE CURB & GUTTER, TYPE E	LF				1238.00
		0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF				1896.00
		0520- 5- 11	TRAFFIC SEPERATOR, CONCRETE, TYPE I, 4' WIDE	LF				177.00
		0520- 6-	SHOULDER GUTTER- CONCRETE	LF				10631.00
		0520- 70-	CONCRETE BARRIER SEPERATOR, SPECIAL - VARIABLE WIDTH	SY				346.00
		0521- 72- 40	SHOULDER CONCRETE BARRIER, 38" OR 44" HEIGHT	LF				6379.00
		0521- 72- 41	SHOULDER CONCRETE BARRIER, RETAINING SECTION	LF				730.00
		0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY				388.00
		0522- 2-	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY				217.00
		0524- 2- 1	CONCRETE SLOPE PAVEMENT,NON REINFORCED, 3"	SY				1460.20
		0527- 2-	DETECTABLE WARNINGS	SF				358.00
		0530- 3- 4	RIPRAP, RUBBLE, F&I, DITCH LINING	TN				48.00
		0536- 1- 1	GUARDRAIL -ROADWAY, GENERAL TL-3	LF				3393.20
		0536- 85- 24	GUARDRAIL END TREATMENT APPROACH TERMINAL	EA				11.00
		0536- 85- 25	GUARD END TREATMENT - TRAILING ANCHORAGE TYPE II	EA				3.00
		0538- 1	GAURDRAIL RESET	LF				7262.00
		0544- 3- 1	CRASH CUSHION	EA				1.00

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 8

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPSAL SUMMARY OF PAY ITEMS

PROJECT : 441113-1-52-01 | DISTRICT : 05 | COUNTY/SECTION : 75280

COUNTY : ORANGE

0002 SUMMARY OF ROADWAY

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT				QUANTITY TOTAL
		0546- 72- 1	GROUND- IN RUMBLE STRIPS	GM				3.95
		0550- 10-120	FENCING, TYPE B, 5.1-6.0, STANDARD	LF				16229.00
		0570- 1- 2	PERFORMANCE TURF, SOD	SY				340272.00
		0710- 11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM				8.89
		0710- 11-103	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID FOR INTERCHANGE MARKINGS, 12"	GM				1.43
		0710- 11-123	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF				224.00
		0710- 11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF				224.00
		0710- 11-131	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-30 SKIP, 6"	GM				13.12
		0710- 11-141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM				0.009
		0710- 11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM				6.54

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 9

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPSAL SUMMARY OF PAY ITEMS

PROJECT : 441113-1-52-01 | DISTRICT : 05 | COUNTY/SECTION : 75280

COUNTY : ORANGE

0003 SUMMARY OF SIGNING

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT				QUANTITY TOTAL
		0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS				47.00
		0700- 1- 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS				8.00
		0700- 1- 13	SINGLE POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS				1.00
		0700- 1- 14	SINGLE POST SIGN, F&I GROUND MOUNT, 31+ SF	AS				2.00
		0700- 1- 50	SINGLE POST SIGN, RELOCATE	AS				1.00
		0700- 1- 60	SINGLE POST SIGN, REMOVE	AS				22.00
		0700- 2- 14	MULTI- POST SIGN, F&I GROUND MOUNT, 31-50 SF	AS				6.00
		0700- 2- 15	MULTI- POST SIGN, F&I GROUND MOUNT, 51-100 SF	AS				3.00
		0700- 2- 16	MULTI- POST SIGN, F&I GROUND MOUNT, 101-200 SF	AS				5.00
		0700- 2- 50	MULTI- POST SIGN, GROUND MOUNT, RELOCATE	AS				2.00
		0700- 2- 60	MULTI- POST SIGN, REMOVE	AS				11.00
		0700- 3-203	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 21-30 SF	EA				11.00
		0700- 3-205	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 51-100 SF	EA				2.00
		0700- 3-206	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 101-200 SF	EA				12.00
		0700- 3-209	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 401-500 SF	EA				1.00
		0700- 3-603	SIGN PANEL, REMOVE, 21-30 SF	EA				3.00
		0700- 3-605	SIGN PANEL, REMOVE, 51-100 SF	EA				2.00
		0700- 3-626	SIGN PANEL, REMOVE, 101-200 SF WITH LIGHTING	EA				1.00
		0700- 4-114	OVERHEAD STATIC SIGN STRUCTURE, FURNISH & INSTALL ,CANTILEVER, 41-50 FT	EA				13.00
		0700- 4-126	OVERHEAD STATIC SIGN STRUCTURE, FURNISH & INSTALL, SPAN, 101-105 FT	EA				0.00
		0700- 4-610	OVERHEAD STATIC SIGN STRUCTURE, REMOVE CANTILEVER	EA				1.00
		0700- 4-620	OVERHEAD STATIC SIGN STRUCTURE, REMOVE SPAN	EA				1.00
		700- 6- 11	HIGHLIGHTENED SIGN, F&I GROUND MOUNT - AC POWERED, UP TO 12 SF	EA				8.00
		705- 11- 1	DELINEATOR, FLEXIBLE TUBULAR	EA				35.00
		0710- 90-	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS				1.00
		0711- 11-103	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR INTERCHANGE MARKINGS	GM				1.43
		0711- 11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF				490.00
		0711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF				2112.00
		0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF				279.00
		0711- 11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM				0.32
		0711- 11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL					7.00
		711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW					83.00
		711-11-180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF				12.00
		711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF				372.00

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 10

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPSAL SUMMARY OF PAY ITEMS

PROJECT : 441113-1-52-01 | DISTRICT : 05 | COUNTY/SECTION : 75280

COUNTY : ORANGE

0003 SUMMARY OF SIGNING

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT				QUANTITY TOTAL
		0711- 14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF				408.00
		711- 14- 160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE (BIKE SYMBOL)	EA				13.00
		711- 14- 170	THERMOPLASTIC, PREFORMED, WHITE, ARROW (BIKE ARROW)	EA				13.00
		711- 14- 560	THERMOPLASTIC, PREFORMED, WHITE WITH BLACK CONTRAST ON CONCRETE SURFACE, MESSAGE OR SYMBOL	EA				3.00
		0711- 15-101	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES WHITE, SOLID, 6"	GM				8.07
		0711- 15-131	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE , SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM				0.73
		0711- 15-131	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE , SKIP, 6",10-30 SKIP	GM				13.44
		0711- 15-201	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"	GM				6.78
		0713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM				0.40
		0713-103-131	PERMANENT TAPE, WHITE, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM				0.49
		0713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM				0.34
		0713-103-331	PERMANENT TAPE, BLACK, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM				0.46

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL, 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 11

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPSAL SUMMARY OF PAY ITEMS

PROJECT : 441113-1-52-01 | DISTRICT : 05 | COUNTY/SECTION : 75280

COUNTY : ORANGE

0004 SUMMARY OF LIGHTING

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT				QUANTITY TOTAL
		0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF				14597.00
		0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF				2791.00
		0630- 2- 16	CONDUIT, FURNISH & INSTALL, EMBEDDED RAILINGS	LF				13002.00
		0630- 2- 65	CONDUIT, (REMOVE) BRIDGE MOUNT	LF				1172.00
		0635- 2- 11	PULL BOX, FURNISH & INSTALL, 13" X 24" COVER SIZE	EA				105.00
		0635- 3- 13	JUNCTION BOX (F&I), EMBEDDED	EA				29.00
		639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND METER PURCHASED BY CONTRACTOR FROM POWER COMPANY	AS				1.00
		639-2-1	ELECTRICAL SERVICE WIRE, F&I	LF				339.00
		0715- 1- 11	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 10 OR <	LF				495.00
		0715- 1- 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8 to NO. 6	LF				47325.00
		0715- 1- 13	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 4 to NO. 2	LF				17493.00
		0715- 1- 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE	LF				13365.00
		0715- 4- 13	LIGHT POLE COMPLETE, FURNISH & INSTALL, STANDARD POLE ,STANDARD FOUNDATION, 40' MOUNTING HEIGHT	EA				98.00
		0715- 4- 14	LIGHT POLE COMPLETE, FURNISH & INSTALL, STANDARD POLE, STANDARD FOUNDATION, 45' MOUNTING HEIGHT	EA				1.00
		0715- 4- 70	LIGHT POLE COMPLETE (REMOVE)	EA				62.00
		0715- 7- 11	LOAD CENTER, FURNISH & INSTALL, SECONDARY VOLTAGE	EA				1.00
		0715- 7- 21	LOAD CENTER, REWORK, SECONDARY VOLTAGE	EA				2.00
		0715- 7- 41	LOAD CENTER, REMOVE, SECONDARY VOLTAGE	EA				1.00
		0715- 11-125	LUMINAIRE, F&I, UNDER DECK, WALL MOUNTED	EA				6.00
		715-11-211	LUMINAIRE, F&I-REPLACE EXIST LUMINAIRE ON EXIST POLE/ARM, ROADWAY, COBRA HEAD	EA				1.00
		0715-500- 1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA				99.00
		0715-500- 3	POLE CABLE DISTRIBUTION SYSTEM, WALL MOUNTED	EA				28.00
		715-511-120	LIGHT POLE COMP-SPECIAL DESIGN, F&I, SINGLE ARM SHOULDER MOUNT, AL, 20' MOUNTING HEIGHT	EA				2.00
		0715-513-140	LIGHT POLE COMPLETE-SPECIAL DESIGN, F&I, SINGLE ARM WALL MOUNT, AL, 40' MOUNTING HEIGHT	EA				21.00
		0715-515-140	LIGHT POLE COMPLETE-SPECIAL DESIGN, F&I, SINGLE ARM BRIDGE MOUNT, AL, 40' MOUNTING HEIGHT	EA				4.00

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 12

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPSAL SUMMARY OF PAY ITEMS

PROJECT : 441113-1-52-01 | DISTRICT : 05 | COUNTY/SECTION : 75280

COUNTY : ORANGE

0005 SUMMARY OF SIGNALIZATION

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT				QUANTITY TOTAL
		0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF				605.00
		0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF				522.00
		0632- 7- 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI				2.00
		0635- 2- 11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA				29.00
		0635- 3 -13	JUNCTION BOX, FURNISH & INSTALL, EMBEDDED	EA				4.00
		0639- 1-122	ELECTRICAL POWER SERVICE, FURNISH & INSTALL, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS				2.00
		0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF				0.00
		0641- 2- 11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-11 PEDESTAL	EA				2.00
		0646- 1- 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA				10.00
		0649- 21- 3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA				1.00
		0649- 21- 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA				3.00
		0649- 21- 15	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70'	EA				4.00
		0650- 1- 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS				20.00
		0653- 1- 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS				8.00
		0653- 1- 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAY	AS				2.00
		0660- 2-106	LOOP ASSEMBLY, F&I, TYPE F	AS				3.00
		0660- 4- 11	VEHICLE DETECTION SYSTEM - VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA				2.00
		0660- 4- 12	VEHICLE DETECTION SYSTEM - VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA				8.00
		0665- 1- 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA				12.00
		0670- 5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	AS				2.00
		0685- 1- 13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH & INSTALL, LINE INTERACTIVE WITH CABINET	EA				2.00
		0700- 3-201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA				12.00
		0700- 3-202	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 12 - 20 SF	EA				0.00
		0700- 5- 22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA				8.00

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 13

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPSAL SUMMARY OF PAY ITEMS

PROJECT : 441113-1-52-01 | DISTRICT : 05 | COUNTY/SECTION : 75280

COUNTY : ORANGE

0008 SUMMARY OF INTELLIGENT TRANSPORT SYSTEM

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT				QUANTITY TOTAL
		0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF				18677.00
		0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF				5319.00
		0633- 1-121	FIBER OPTIC CABLE, FURNISH & INSTALL, UNDERGROUND, 12 MM	LF				4220.00
		0633- 1-123	FIBER OPTIC CABLE, FURNISH & INSTALL, UNDERGROUND, 72 SM	LF				23631.00
		0633- 2- 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA				308.00
		0633- 3- 11	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, SPLICE ENCLOSURE	EA				5.00
		0633- 3- 12	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, SPLICE TRAY	EA				27.00
		0633- 3- 15	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, PRETERMINATED PATCH PANEL	EA				3.00
		0633- 3- 51	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY, SPLICE ENCLOSURE	EA				3.00
		0633- 3- 52	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY, SPLICE TRAY	EA				5.00
		0633- 3- 55	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY PATCH PANEL, PRETERMINATED	EA				12.00
		0635- 2- 11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA				1.00
		0635- 2- 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA				23.00
		0635- 2- 13	PULL & SPLICE BOX, FURNISH & INSTALL, 36" ROUND COVER SIZE	EA				4.00
		0639- 2- 1	ELECTRICAL SERVICE WIRE, F&I	LF				20.00
		0639- 3- 11	ELECTRICAL SERVICE DISCONNECT, FURNISH & INSTALL, POLE MOUNT	EA				1.00
		0641- 2- 14	PRESTRESSED CONCRETE POLE, FURNISH & INSTALL, TYPE P-IV	EA				1.00
		0660- 3- 41	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	EA				1.00
		0660- 3- 42	VEHICLE DETECTION SYSTEM- MICROWAVE, RELOCATE, ABOVE GROUND EQUIPMENT	EA				1.00
		0676- 2-400	ITS CABINET, RELOCATE	EA				1.00
		682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	EA				2.00
		682-1-400	ITS CCTV CAMERA, RELOCATE	EA				1.00

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 14

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPSAL SUMMARY OF PAY ITEMS

PROJECT : 441113-1-52-01 | DISTRICT : 05 | COUNTY/SECTION : 75280

COUNTY : ORANGE

0008 SUMMARY OF INTELLIGENT TRANSPORT SYSTEM

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT				QUANTITY TOTAL
		0684- 1- 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA				2.00
		0684- 1- 4	MANAGED FIELD ETHERNET SWITCH, RELOCATE	EA				1.00
		0684- 2- 4	DEVICE SERVER, RELOCATE	EA				1.00

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 15

255 CATCH BASIN
GRATE ELEV 106.71
INV 103.30 E (15" RCP)

256 END TREATMENT
INV UNKNOWN

257 CATCH BASIN
INV UNKNOWN

258 OVERFLOW STRUCTURE
INV UNKNOWN

259 MANHOLE
INV UNKNOWN

260 MES
INV 111.14 E (19" X 30" ERCP)

261 GUTTER INLET
GRATE ELEV 113.79
INV 111.79 SW (19" X 30" ERCP)

262 CATCH BASIN
GRATE ELEV 113.59
INV 107.16 NW (16" CMP)
INV 107.28 SE (16" CMP)

263 CATCH BASIN
GRATE ELEV 114.16
INV 107.60 SE (16" CMP)

264 CATCH BASIN
GRATE ELEV 113.55
INV 112.70 SW (4" PVC)

265 CATCH BASIN
INV UNKNOWN

266 CATCH BASIN
GRATE ELEV 111.70
INV 109.22 W (18" RCP)

267 MANHOLE
INV UNKNOWN

268 END WALL
INV 109.11 SE (18" RCP)

269 CATCH BASIN
GRATE ELEV 114.98
INV 111.83 NW (14" X 23" ERCP)

270 CATCH BASIN
GRATE ELEV 114.91
INV 111.29 NW (10" PVC)
INV 109.49 SE (14" X 23" ERCP)

271 MES
INV 110.94 SE (10" PVC)

272 CATCH BASIN
GRATE ELEV 111.38
INV 106.87 NW (18" RCP)

273 MANHOLE
RIM ELEV 111.65
INV 106.89 NW (24" RCP)
INV 107.04 NE (24" RCP)
INV 106.82 SE (18" RCP)

274 CONCRETE SPILLWAY
ELEV 116.10

275 CONCRETE SPILLWAY
ELEV UNKNOWN

276 CATCH BASIN
GRATE ELEV 112.27
INV 106.33 NW (18" RCP)

277 MANHOLE
RIM ELEV 111.87
INV UNKNOWN

278 CATCH BASIN
GARTE ELEV 115.95
INV 110.68 W (19" X 30" ERCP)
INV 110.88 N (19" X 30" ERCP)
INV 110.80 E (18" RCP)
INV 110.78 S (14" X 23" ERCP)

279 ENDWALL
INV 109.56 SE (4" PVC)
INV 113.77 SE (19" X 30" ERCP)

280 CATCH BASIN
GRATE ELEV 112.77
INV 116.30 NW (18" RCP)

281 MANHOLE
RIM ELEV 112.79
INV 106.28 NE (18" RCP)
INV 106.45 SE (18" RCP)
INV 106.22 SW (18" RCP)

282 MANHOLE
INV UNKNOWN

283 CATCH BASIN
INV UNKNOWN

284 CATCH BASIN
GRATE ELEV 112.84
INV 104.25 NW (18" RCP)

285 MANHOLE
RIM ELEV 113.59
INV UNKNOWN

286 CATCH BASIN
INV UNKNOWN

287 CATCH BASIN
INV UNKNOWN

288 CATCH BASIN
INV UNKNOWN

289 MANHOLE
INV UNKNOWN

290 SPILLWAY
INV 104.52 NW (18" RCP)

291 CATCH BASIN
GRATE ELEV 127.96
V-SLOT ELEV 127.92
INV 121.82 NW (18" RCP)
INV 121.72 SE (18" RCP)

292 CATCH BASIN
GRATE ELEV 126.32
INV 123.15 NW (18" RCP)
INV 122.88 SE (18" RCP)

293 CATCH BASIN
GRATE ELEV 128.88
V-SLOT ELEV 128.53
INV 125.01 SE (18" RCP)

294 MANHOLE
INV UNKNOWN

295 CATCH BASIN
GRATE ELEV 114.46
INV 111.23 NE (15" CPP)
INV 111.17 NW (15" CPP)
INV 111.13 W (15" CPP)

296 MANHOLE
RIM ELEV 114.90
INV 111.68 S (15" RCP)

297 CATCH BASIN
INV UNKNOWN

298 CATCH BASIN
INV UNKNOWN

299 MANHOLE
INV UNKNOWN

300 MANHOLE
INV UNKNOWN

301 MANHOLE
RIM ELEV 113.64
INV 105.25 E (30" RCP)
INV 105.23 S (30" RCP)

302 CURB INLET
INV UNKNOWN

303 CATCH BASIN
GRATE ELEV 114.23
INV 110.71 NW (15" CPP)
INV 110.90 S (15" CPP)

304 ASPHALT FLUME
ELEV UNKNOWN

305 CATCH BASIN
INV UNKNOWN

306 MANHOLE
RIM ELEV 113.58
INV 104.42 NW (18" RCP)

307 MANHOLE
INV UNKNOWN

308 MANHOLE
INV UNKNOWN

309 MANHOLE
INV UNKNOWN

310 CATCH BASIN
INV UNKNOWN

311 CURB INLET
INV UNKNOWN

312 CURB INLET
INV UNKNOWN

313 CATCH BASIN
INV UNKNOWN

314 MANHOLE
RIM ELEV 111.79
FULL OF WATER

315 MANHOLE
RIM ELEV 111.29
INV 102.65 SW (30" RCP)
INV 102.14 NW (30" RCP)
INV 102.30 NE (30" RCP)

316 CATCH BASIN
INV 106.43 SE (24" X 30" RCP)

317 SPILLWAY
INV 106.47 NW (18" CMP)

318 END TREATMENT
INV 105.06 NW (24" X 30" RCP)

319 CATCH BASIN
GRATE ELEV 130.34
V-SLOT ELEV 130.00
INV 124.30 SE (18" CMP)

320 END TREATMENT
INV 105.54 NW (18" RCP)

321 CATCH BASIN
GRATE ELEV 110.63
INV 107.33 NW (18" CMP)
INV 107.06 SE (18" RCP)

322 CATCH BASIN
INV 119.07 SE (18" CMP)

323 END TREATMENT
INV UNKNOWN

324 CATCH BASIN
INV UNKNOWN

325 END TREATMENT
INV UNKNOWN

326 CATCH BASIN
GRATE ELEV 109.83
INV 102.00 NW (36" CMP)
INV 102.13 NE (36" CMP)
INV 102.11 SE (36" CMP)
INV 102.07 SW (36" CMP)

327 CATCH BASIN
GRATE ELEV 110.66
INV 101.96 NW (36" CMP)
INV 101.99 SW (36" CMP)

328 CATCH BASIN
GRATE ELEV 110.66
INV 103.09 NW (24" CMP)
INV 101.92 NE (36" CMP)
INV 110.63 SW (8" PVC END
OF PIPE ON GRATE)

329 END TREATMENT
INV 105.99 NW (18" RCP)

330 CATCH BASIN
GRATE ELEV 118.01
V-SLOT ELEV 117.70
INV 106.61 NW (18" RCP)
INV 106.63 SE (18" RCP)

331 CATCH BASIN
GRATE ELEV 116.04
INV 106.94 NW (18" RCP)
INV 106.88 SE (18" RCP)

331 CATCH BASIN
GRATE ELEV 118.89
V-SLOT ELEV 118.58
INV 107.73 NE (18" RCP)
INV 107.53 SE (18" RCP)

332 CATCH BASIN
GRATE ELEV 118.89
V-SLOT ELEV 118.58
INV 107.73 NE (18" RCP)
INV 107.53 SE (18" RCP)

333 MANHOLE
RIM ELEV 110.57
INV 102.11 SE (24" CMP)

334 CATCH BASIN
GRATE ELEV 106.78
INV 105.48 NW (4" PVC)
INV 101.96 NE (36" CMP)
INV 101.99 SE (36" CMP)

335 MANHOLE
INV UNKNOWN

336 MANHOLE
INV UNKNOWN

337 CATCH BASIN
INV UNKNOWN

338 MANHOLE
INV UNKNOWN

339 CURB INLET
TOP ELEV 112.83
GRATE ELEV 112.15
INV 108.21 S (18" RCP)

340 CATCH BASIN
INV UNKNOWN

341 CATCH BASIN
INV UNKNOWN

342 CURB INLET
TOP ELEV 112.57
GRATE ELEV 111.90
INV 107.00 E (15" RCP)

343 CONC. DRAIN
ELEV UNKNOWN

344 CURB INLET
TOP ELEV 113.78
GRATE ELEV 113.09
INV 109.26 E (18" RCP)
INV 108.66 W (18" RCP)

345 CATCH BASIN
INV UNKNOWN

346 CATCH BASIN
INV UNKNOWN

347 CURB INLET
TOP ELEV 113.89
GRATE ELEV 113.44
INV 107.65 N (24" RCP)
INV 108.26 E (18" RCP)
INV 107.56 S (24" RCP)

348 CURB INLET
RIM ELEV 115.08
GRATE ELEV 114.45
BOTTOM ELEV 105.37
PIPE O/S ONTO BOX WALL

349 MANHOLE
RIM ELEV 115.52
BOTTOM ELEV 105.70
INV 109.70 S (24" RCP)

350 MANHOLE
INV UNKNOWN

351 CATCH BASIN
INV UNKNOWN

352 CURB INLET
TOP ELEV 115.09
GRATE ELEV 114.52
INV 107.94 N (24" RCP)
INV 107.73 E (18" RCP)
INV 107.95 S (24" RCP)

353 CURB INLET
RIM ELEV 115.96
GRATE ELEV 115.32
BOTTOM ELEV 106.38
PIPE O/S INTO BOX MAIL

354 MANHOLE
INV UNKNOWN

355 MANHOLE
RIM ELEV 116.19
INV 110.61 S (24" RCP)
BOTTOM ELEV 106.31

356 CURB INLET
TOP ELEV 115.73
GRATE ELEV 115.09
INV 108.46 N (24" RCP)
INV 108.82 E (18" RCP)
INV 108.48 S (24" RCP)

357 MANHOLE
INV UNKNOWN

358 CURB INLET
TOP ELEV 116.31
INV 111.93 W (18" PVC)

359 MANHOLE
INV UNKNOWN

360 GUTTER INLET
TOP ELEV 116.18
GRATE ELEV 115.58
INV 110.85 N (24" RCP)
INV 111.50 E (18" PVC)
INV 110.90 S (24" RCP)

361 CURB INLET
RIM ELEV 114.56
INV 111.06 N (18" RCP)

362 CATCH BASIN
GRATE ELEV 116.55
INV 108.38 E (18" RCP)
INV 108.90 S (18" RCP)

363 CATCH BASIN
GRATE ELEV 114.98
INV 108.07 W (18" RCP)

364 CURB INLET
RIM ELEV 114.90
INV 108.92 N (18" RCP)
INV 108.93 S (18" RCP)

365 CATCH BASIN
GRATE ELEV 112.27
INV 108.48 N (18" RCP)
INV 108.13 S (18" RCP)

366 CATCH BASIN
GRATE ELEV 111.87
BOTTOM ELEV 105.39

367 CURB INLET
RIM ELEV 109.57
INV 104.20 N (18" RCP)
(INV BLOCKED AROUND 5.4'
FROM MH)

368 MANHOLE
RIM ELEV 110.12
BOTTOM ELEV 107.45
(FULL OF WATER)

369 CURB INLET
INV UNKNOWN

370 CATCH BASIN
INV UNKNOWN

371 CURB INLET
INV UNKNOWN

372 CATCH BASIN
INV UNKNOWN

373 MANHOLE
INV UNKNOWN

374 CURB INLET
INV UNKNOWN

375 CATCH BASIN
INV UNKNOWN

376 CURB INLET
INV UNKNOWN

377 MES
INV UNKNOWN

378 MES
INV UNKNOWN

379 CATCH BASIN
INV UNKNOWN

380 CATCH BASIN
GRATE ELEV 109.43
INV 101.93 SE (36" CMP)

381 CURB INLET
INV UNKNOWN

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

EXISTING DRAINAGE STRUCTURES (1)

SHEET NO. 16

robert.martini 8/22/2019 10:18:50 AM c:\pwworking\aecom_na\rmartini\d0164799\DRMPRD01_EXIST.dgn

382 MANHOLE
RIM ELEV 106.77
INV 97.79 N (30" RCP)
INV 102.70 E (10 STUB, NO PIPE)
INV 97.76 S (24" RCP)

383 CATCH BASIN
GRATE ELEV 107.96
INV 106.11 S (4" PVC)
INV 102.29 N (36" CMP)
INV 106.03 E (4" PVC)
INV 102.27 E (36" CMP)

384 CATCH BASIN
GRATE ELEV 106.73
INV 102.42 W (36" CMP)
INV 102.24 E (36" CMP)

385 CATCH BASIN
GRATE ELEV 104.61
INV 101.40 NW (24" RCP)

386 CATCH BASIN
GRATE ELEV 108.38
INV 105.99 NW (18" RCP)
INV 105.97 SE (24" RCP)

387 MES
INV UNKNOWN

388 CATCH BASIN
INV UNKNOWN

389 CATCH BASIN
INV UNKNOWN

390 MES
INV UNKNOWN (60" RCP)

390A ENDWALL
INV 96.39 W (60" RCP)
INV 95.88 W (60" RCP)
INV 96.17 W (60" RCP)

390B MANHOLE
RIM ELEV 104.71
(FULL OF DIRT)

390C ENDWALL
INV 95.98 E (60" RCP)
INV 95.92 E (60" RCP)
INV 96.12 E (60" RCP)

390D MES
INV 98.21 SE (36" RCP)

391 MANHOLE
RIM ELEV 104.16
INV 96.28 S (60" RCP)

392 CATCH BASIN
GRATE ELEV 105.66
INV 99.76 N (36" RCP)

393 MANHOLE
INV UNKNOWN

394 MANHOLE
INV UNKNOWN

395 MANHOLE
INV UNKNOWN

396 MANHOLE
INV UNKNOWN

397 MANHOLE
INV UNKNOWN

398 DRAINAGE MISCELLANEOUS
INV UNKNOWN

399 DRAINAGE MISCELLANEOUS
INV UNKNOWN

400 CURB INLET
GRATE ELEV 102.18
BOT ELEV 99.32
TOP ELEV 102.72

401 CURB INLET
GRATE ELEV 100.36
CAGE TOP ELEV 99.46
TOP ELEV 101.02

402 18" RCP
INV 96.62 W

403 MANHOLE
INV UNKNOWN

404 18" RCP
INV 96.53 NE

405 CURB INLET
GRATE ELEV 102.65
TOP ELEV 103.34
BOTTOM ELEV 100.05

406 CONCRETE SPILLWAY
FLOW LINE ELEV 98.22

407 CATCH BASIN
GRATE ELEV 103.41
BOTTOM ELEV 97.11

407A ENDWALL
INV 96.11 W (90" X 55" ERCP)
INV 96.01 W (54" RCP)
INV 96.15 W (92" X 56" ERCP)

407B ENDWALL
INV 96.41 E (90" X 55" ERCP)
INV 95.94 E (54" RCP)
INV 96.21 E (92" X 56" ERCP)
INV 97.06 S (42" RCP)

408 CURB INLET
GRATE ELEV 103.12
TOP ELEV 103.65
BOTTOM ELEV 100.40

409 CURB INLET
GRATE ELEV 102.71
TOP ELEV 103.24
BOTTOM ELEV 100.05

410 CURB INLET
GRATE ELEV 103.15
TOP ELEV 103.63
BOTTOM ELEV 100.17

411 MANHOLE
INV UNKNOWN

412 ENDWALL
INV UNKNOWN

413 CATCH BASIN
GRATE ELEV 104.12
BOTTOM ELEV 101.17

414 CURB INLET
GRATE ELEV 103.95
BOTTOM ELEV 100.83
TOP ELEV 104.48

415 CURB INLET
INV UNKNOWN

416 CURB INLET
GRATE ELEV 106.57
INV 103.54 W (24" RCP)
TOP ELEV 107.06

417 CURB INLET
GRATE ELEV 106.01
INV 97.63 E (24" RCP)
TOP ELEV 106.57

418 CURB INLET
GRATE ELEV 107.34
BOTTOM ELEV 100.14
TOP ELEV 107.77

419 MANHOLE
INV UNKNOWN

420 MANHOLE
INV UNKNOWN

421 CURB INLET
GRATE ELEV 107.08
TOP ELEV 107.56
BOTTOM ELEV 104.10
(BOTTOM OF CAGE)

422 CURB INLET
GRATE ELEV 106.52
TOP ELEV 107.13
INV 101.97 E (24" RCP)
INV 98.44 W (RCP)

423 CURB INLET
GRATE ELEV 106.51
TOP ELEV 107.12
BOTTOM ELEV 103.63
(BOTTOM OF CAGE)

424 CURB INLET
INV UNKNOWN

425 MANHOLE
INV UNKNOWN

426 CURB INLET
INV UNKNOWN

410 CATCH BASIN
GRATE ELEV 112.16
V-SLOT ELEV 111.84
INV 108.22 SW (18" RCP)

428 ENDWALL
ELEV 107.95

429 ENDWALL
ELEV 107.95

430 CATCH BASIN
GRATE ELEV 106.90
INV 102.19 W (36" CMP)
INV 102.16 E (36" CMP)
INV 102.11 S (36" CMP)

431 ENDWALL
INV 101.49 W (36" CMP)

432 CATCH BASIN
GRATE ELEV 103.19
INV 99.07 NE (24" RCP)

433 CATCH BASIN
GRATE ELEV 103.36
INV 98.18 NE (30" RCP)

434 MANHOLE
INV UNKNOWN

435 MANHOLE
INV UNKNOWN

436 CATCH BASIN
GRATE ELEV 103.29
INV 96.85 NW (24" RCP)
INV 97.01 SE (24" RCP)

437 CATCH BASIN
INV UNKNOWN

438 CATCH BASIN
INV UNKNOWN

439 MES
INV 102.14 SW (3" PVC)

440 METAL SKIMMER
CONCRETE WEIR
ELEV 104.85

441 MANHOLE
INV UNKNOWN

442 66" RCP
INV 95.06" NE

443 ENDWALL
INV 97.86" NW (48" RCP)

444 CATCH BASIN
INV UNKNOWN

445 CATCH BASIN
INV UNKNOWN

446 CATCH BASIN
GRATE ELEV 105.06
INV 98.93 NW (48" RCP)
INV 98.88 SE (48" RCP)

447 ENDWALL
INV 97.96 SE (48" RCP)

448 MANHOLE
INV UNKNOWN

449 CURB INLET
RIM ELEV 104.76
BOTTOM ELEV 97.61

450 CATCH BASIN
INV UNKNOWN

451 MANHOLE
INV UNKNOWN

452 MANHOLE
INV UNKNOWN

453 MANHOLE
INV UNKNOWN

454 MANHOLE
INV UNKNOWN

455 MANHOLE
INV UNKNOWN

456 CATCH BASIN
GRATE ELEV 103.30
BOTTOM ELEV 97.15

457 MANHOLE
RIM ELEV 104.90
BOTTOM ELEV 101.90
INV 104.90 N (19" X 29" ERCP)
INV 102.27 S (19" X 29" ERCP)

458 MANHOLE
INV UNKNOWN

459 MANHOLE
INV UNKNOWN

460 MANHOLE
INV UNKNOWN

461 MANHOLE
INV UNKNOWN

462 CATCH BASIN
INV UNKNOWN

463 CATCH BASIN
GRATE ELEV 103.70
INV 99.08 W (42" RCP)
INV 97.90 E (42" RCP)

464 MANHOLE
INV UNKNOWN

465 MANHOLE
RIM ELEV 106.07
BOTTOM ELEV 94.84
INV 99.13 N (6" PVC)

466 CATCH BASIN
GRATE ELEV 103.70
BOTTOM ELEV 97.55

467 MANHOLE
INV UNKNOWN

468 MANHOLE
INV UNKNOWN

469 CATCH BASIN
GRATE ELEV 103.57
INV 97.78 W (42" RCP)
INV 97.83 E (42" RCP)

470 CATCH BASIN
GRATE ELEV 103.41
INV 98.21 N (SIZE UNKNOWN)
INV 98.00 S (SIZE UNKNOWN)

471 CATCH BASIN
GRATE ELEV 104.36
INV 102.46 S (19" X 29" ERCP)

472 CATCH BASIN
GRATE ELEV 103.06
INV 98.24 NE (36" RCP)
INV 97.65 SW (36" RCP)

473 MES
INV 101.57 NE (18" RCP)

474 MANHOLE
INV UNKNOWN

475 MANHOLE
INV UNKNOWN

476 MANHOLE
INV UNKNOWN

477 MANHOLE
INV UNKNOWN

478 MANHOLE
INV UNKNOWN

479 MANHOLE
INV UNKNOWN

480 MANHOLE
INV UNKNOWN

481 CATCH BASIN
GRATE ELEV 105.13
INV 102.11 N (18" RCP)
INV 101.95 S (18" RCP)

482 CATCH BASIN
GRATE ELEV 107.33
INV 104.56 NE (15" CPP)

483 15" CPP - RIPRAP
INV 104.23 W

484 MANHOLE
INV UNKNOWN

485 MANHOLE
INV UNKNOWN

486 MANHOLE
INV UNKNOWN

487 CATCH BASIN
INV UNKNOWN

487 OVERFLOW STRUCTURE
INV UNKNOWN

488 MANHOLE
INV UNKNOWN

489 MANHOLE
INV UNKNOWN

490 MANHOLE
INV UNKNOWN

491 CATCH BASIN
INV UNKNOWN

492 CATCH BASIN
GRATE ELEV 110.84
INV 105.73 NW (18" RCP)
INV 105.69 SW (6" DIP)
INV 108.21 SW (8" PVC)
INV 105.94 SE (18" RCP)

493 CATCH BASIN
GRATE ELEV 110.84
INV 105.49 SW (8" PVC)
INV 108.29 SW (18" RCP)
INV 105.63 SE (18" RCP)

494 MANHOLE
INV UNKNOWN

495 MES
INV UNKNOWN

496 MES
INV 108.64 NE (24" RCP)

497 CATCH BASIN
GRATE ELEV 115.96
INV 110.98 SW (24" RCP)
INV 113.35 SE (18" RCP)

498 ENDWALL
INV 112.09 SE (15" RCP)

499 CATCH BASIN
GRATE ELEV 115.08
INV 112.60 NW (15" RCP)

500 CATCH BASIN
INV UNKNOWN

501 MANHOLE
INV UNKNOWN

502 ENDWALL
INV UNKNOWN

503 CURB INLET
INV UNKNOWN

504 CURB INLET
INV UNKNOWN

505 MANHOLE
INV UNKNOWN

506 MANHOLE
INV UNKNOWN

507 MANHOLE
INV UNKNOWN

508 CURB INLET
INV UNKNOWN

509 CURB INLET
INV UNKNOWN

510 CATCH BASIN
INV UNKNOWN

511 MES
INV 114.02 E (24" RCP)

512 CATCH BASIN
GRATE ELEV 118.01
INV 114.05 W (24" RCP)

513 MANHOLE
INV UNKNOWN

514 CURB INLET
INV UNKNOWN

515 CURB INLET
INV UNKNOWN

516 MANHOLE
INV UNKNOWN

517 FES
INV UNKNOWN

518 UNKNOWN
INV UNKNOWN

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

EXISTING DRAINAGE STRUCTURES (2)

SHEET NO. 17

519 CURB INLET
INV UNKNOWN

520 CURB INLET
INV UNKNOWN

521 MANHOLE
INV UNKNOWN

522 ENDWALL
INV 112.11 NW (18" RCP)

523 CATCH BASIN
GRATE ELEV 116.43
INV 113.25 SE (18" RCP)

524 MES
INV 114.55 NE (30" RCP)

525 CATCH BASIN
GRATE ELEV 119.34
SKIMMER ELEV 119.83
INV 114.53 S (30" RCP)
INV 114.33 NE (6" PVC)

526 CURB INLET
INV UNKNOWN

527 MANHOLE
INV UNKNOWN

528 CURB INLET
INV UNKNOWN

529 CURB INLET
INV UNKNOWN

530 CURB INLET
INV UNKNOWN

531 MES
INV UNKNOWN

532 MES
INV UNKNOWN

533 MES
INV UNKNOWN

534 MES
INV UNKNOWN

535 MES
INV UNKNOWN

536 CURB INLET
INV UNKNOWN

537 CURB INLET
INV UNKNOWN

538 CURB INLET
INV UNKNOWN

539 CURB INLET
INV UNKNOWN

540 CURB INLET
INV UNKNOWN

541 CATCH BASIN
GRATE ELEV 122.55
INV 116.61 W (24" CPP)
INV 116.64 NE (24" CPP)

542 CATCH BASIN
GRATE ELEV 122.32
INV 117.00 SW (24" CPP)
INV 166.96 N (24" CPP)

543 CATCH BASIN
GRATE ELEV 122.51
INV 117.92 S (24" CPP)

544 CATCH BASIN
GRATE ELEV 124.32
INV 120.71 NW (18" RCP)
INV 120.71 NE (18" RCP)

545 CATCH BASIN
GRATE ELEV 124.52
INV 121.62 SW (18" RCP)
INV 121.62 NE (18" RCP)

547 CATCH BASIN
GRATE ELEV 103.28
INV 98.15 S (30" TYPE UNKNOWN)
INV 98.35 W (30" RCP)

548 MANHOLE
INV UNKNOWN

549 CATCH BASIN
GRATE ELEV 103.18
INV 98.34 E (30" RCP)
INV 98.69 S (24" RCP)

550 CATCH BASIN
GRATE ELEV 103.15
INV 99.01 S (24" RCP)

551 CATCH BASIN
INV 98.30 N (24" RCP)
INV 97.73 W (24" RCP)
INV 97.66 E (24" RCP)

552 MANHOLE
INV UNKNOWN

553 CATCH BASIN
INV UNKNOWN

554 CATCH BASIN
INV 98.88 W (24" RCP)
INV 99.06 S (24" RCP)

555 CATCH BASIN
INV 98.74 W (24" RCP)
INV 98.17 E (24" RCP)

556 CATCH BASIN
GRATE ELEV 103.24
INV 99.48 NW (15" RCP)
INV 99.48 SE (24" RCP)

557 MANHOLE
RIM ELEV 103.46
JUNCTION BOX
TOP OF BOX 103.46
BOTTOM OF BOX 96.46
INV UNKNOWN (60" RCP)
INV UNKNOWN (42" RCP)
INV UNKNOWN (42" RCP)

558 MANHOLE
INV UNKNOWN

559 CATCH BASIN
GRATE ELEV 103.40
INV 99.68 E (24" RCP)
INV 99.58 W (SIZE UNKNOWN)

560 MANHOLE
INV UNKNOWN

561 MANHOLE
INV UNKNOWN

562 CATCH BASIN
INV UNKNOWN

563 CATCH BASIN
GRATE ELEV 103.20
INV 100.10 NE (8" PVC)
INV 99.81 SE (15" RCP)
INV 100.58 SW (6" PVC)

564 MANHOLE
INV UNKNOWN

565 MANHOLE
INV UNKNOWN

566 MANHOLE
INV UNKNOWN

567 MANHOLE
INV UNKNOWN

568 MANHOLE
INV UNKNOWN

569 MANHOLE
INV UNKNOWN

570 CATCH BASIN
GRATE ELEV 103.24
INV 99.35 W (24" RCP)
INV 99.03 SE (24" RCP)

571 MANHOLE
INV 97.01 E (24" RCP)

572 CATCH BASIN
INV 99.82 N (18" RCP)

573 MANHOLE
RIM ELEV 103.89
JUNCTION BOX
TOP OF BOX 103.89
BOTTOM OF BOX 96.55
INV UNKNOWN (60" RCP)
INV UNKNOWN (42" RCP)
INV UNKNOWN (42" RCP)

574 CATCH BASIN
GRATE ELEV 103.29
INV 97.87 NE (8" PVC)
INV 97.41 SW (36" RCP)

575 MANHOLE
INV UNKNOWN

576 CURB INLET
GRATE ELEV 101.21
BOTTOM ELEV 99.60
TOP ELEV 101.68

577 CURB INLET
GRATE ELEV 101.23
BOTTOM ELEV 97.81
TOP ELEV 101.74

578 MANHOLE
RIM ELEV 100.92

579 CURB INLET
GRATE ELEV 100.40
BOTTOM ELEV 96.95
TOP ELEV 101.15

580 CATCH BASIN
GRATE ELEV 103.24
INV 99.49 E (24" RCP)
INV 99.45 SE (18" RCP)

581 CURB INLET
RIM ELEV 101.67
INV 96.35 E (24" RCP)

582 MANHOLE
RIM ELEV 104.00
INV 96.63 S (60" RCP)

583 MES
INV 100.38 NE (24" RCP)

584 MANHOLE
INV 97.72 W (18" RCP)
INV 97.51 N (29" X 45" RCP)
INV 97.27 SE (60" RCP)

585 MANHOLE
RIM ELEV 102.69
INV 98.49 E (15" METAL PIPE)

586 CATCH BASIN
GRATE ELEV 102.96
INV 99.29 N (15" CMP)

587 MANHOLE
INV UNKNOWN

588 CATCH BASIN
GRATE ELEV 103.89
INV 99.98 W (18" RCP)

589 MANHOLE
INV UNKNOWN

590 CATCH BASIN
GRATE ELEV 103.37
INV 95.31 SW (15" CMP)
INV 95.42 S (SIZE UNKNOWN)

590A ENTREATMENT UNKNOWN
INV UNKNOWN

591 DRAINAGE MISCELLANEOUS
INV UNKNOWN

592 MANHOLE
RIM ELEV 104.76
INV 100.27 E (18" RCP)

593 MANHOLE
RIM ELEV 104.84
INV 100.35 S (18" RCP)
INV 100.17 W (18" RCP)

594 MANHOLE
RIM ELEV 106.94
INV 100.28 N (18" RCP)
INV 100.41 S (18" RCP)

595 FES
INV 101.23 W (24" RCP)

596 MANHOLE
RIM ELEV 110.16
INV 105.68 S (18" RCP)
INV UNKNOWN N (18" RCP)

597 MANHOLE
RIM ELEV 104.77
INV 100.26 N (18" RCP)

598 CATCH BASIN
GRATE ELEV 103.64
INV 100.61 E (18" RCP)

599 CATCH BASIN
GRATE ELEV 103.50
INV 100.25 W (18" RCP)

600 MANHOLE
RIM ELEV 105.46
BOTTOM ELEV 101.04 W (18" RCP)

601 MANHOLE
INV UNKNOWN

602 CATCH BASIN
GRATE ELEV 108.05
BOTTOM ELEV 105.36

603 ENDTREATMENT
INV UNKNOWN

604 MANHOLE
RIM ELEV 106.39
INV 101.64 S (15" RCP)

605 MANHOLE
RIM ELEV 108.52
INV 101.57 N (15" RCP)
INV 101.74 S (15" RCP)

606 MANHOLE
RIM ELEV 106.38
INV 101.57 N (15" RCP)
INV 101.56 E (18" RCP)
INV 101.77 W (24" RCP)

607 MES
TOP ELEV 105.27

608 MANHOLE
RIM ELEV 110.63
INV 104.52 E (24" RCP)
INV 104.35 W (18" RCP)
INV UNKNOWN S (24" RCP)

609 CATCH BASIN
GRATE ELEV 108.51
INV 104.19 E (24" RCP)
INV 104.25 SW (24" RCP)
INV 103.99 SE (24" RCP)

610 CATCH BASIN
GRATE ELEV 107.60
BOTTOM ELEV 103.51

611 MES
INV 102.94 W (15" RCP)

612 MES
INV 102.47 S (15" RCP)

613 MANHOLE
INV UNKNOWN

614 MANHOLE
INV UNKNOWN

615 CATCH BASIN
GRATE ELEV 105.05
BOTTOM ELEV 102.65

616 CATCH BASIN
GRATE ELEV 104.47
BOTTOM ELEV 99.22
INV UNKNOWN (15" RCP)

617 MES
TOP ELEV 104.91

618 CATCH BASIN
GRATE ELEV 106.96
BOTTOM ELEV 103.68

619 MANHOLE
RIM ELEV 111.01
INV 103.33 SE (15" RCP)

620 MANHOLE
RIM ELEV 112.55
INV 103.12 NW (15" RCP)
INV 103.03 SE (15" RCP)

621 MANHOLE
RIM ELEV 110.87
INV 103.12 NW (15" RCP)
INV 102.81 SW (18" RCP)

622 CATCH BASIN
GRATE ELEV 125.14
INV 122.08 SW (18" RCP)

623 FES
INV UNKNOWN

624 CATCH BASIN
GRATE ELEV 131.08
INV 127.08 E (18" RCP)

625 MES
INV 127.21 W (18" RCP)

626 CATCH BASIN
GRATE ELEV 129.07
INV 124.89 SE (18" RCP)

627 MES
INV 124.62 NW (18" RCP)

628 MES
INV 124.58 NE (36" RCP)

629 MANHOLE
RIM ELEV 157.62
INV 152.46 NE (18" RCP)

630 MANHOLE
RIM ELEV 158.61
INV 152.22 NE (18" RCP)
INV 144.03 E (24" RCP)
INV 144.03 SW (18" RCP)

631 MANHOLE
RIM ELEV 157.45
INV 151.84 SW (18" RCP)

632 MES
INV 124.49 SE (36" RCP)

633 MES
INV 127.06 SE (18" RCP)

634 CATCH BASIN
GRATE ELEV 130.02
INV 127.35 NW (18" RCP)

635 CATCH BASIN
GRATE ELEV 130.57
INV 124.41 N (18" RCP)
INV 127.59 S (4" PVC)
SKIMMER ELEV 130.56

636 CATCH BASIN
GRATE ELEV 128.68
INV 126.97 NW (18" RCP)

637 CATCH BASIN
GRATE ELEV 130.27
WEIR ELEV 130.09
INV 126.53 SE (15" RCP)

638 MES
INV 126.00 NW (15" RCP)

639 18" RCP
INV 115.70 NW

640 CATCH BASIN
GRATE ELEV 118.88
INV 116.12 SE (18" RCP)

640A CURB INLET
INV 114.11 E (24" RCP)
INV 114.028 S (18" RCP)

641 CATCH BASIN
GRATE ELEV 116.50
V-SLOT ELEV 112.59
INV 108.56 N (36" RCP)
INV 111.02 SW (8" PVC)
INV 111.02 S (8" PVC)
INV 111.01 SE (8" PVC)
SKIMMER ELEV 116.52

641A CURB INLET
INV 114.61 NW (18" RCP)

642 MANHOLE
RIM ELEV 117.12

642A CURB INLET
INV 112.01 NE (24" RCP)
INV 112.114 SE (18" RCP)
INV 112.13 SW (24" RCP)

643 MES
INV 108.09 NW (36" RCP)

643A CURB INLET
INV 112.58 NW (18" RCP)

644 MES
INV UNKNOWN

644A CURB INLET
INV 109.41 SE (18" RCP)
INV 109.32 NE (24" RCP)
INV 109.34 SW (24" RCP)

645 CURB INLET
INV UNKNOWN

646 CURB INLET
INV UNKNOWN

647 CURB INLET
INV UNKNOWN

648 MANHOLE
INV UNKNOWN

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

EXISTING DRAINAGE STRUCTURES (3)

SHEET NO. 18

649 MES
INV 103.40 N (30" RCP)

650 MES
INV 103.45 S (30" RCP)

651 MANHOLE
INV UNKNWON

652 ENDWALL
INV 103.18 NW (30" RCP)

653 CATCH BASIN
INV UNKNOWMN

654 CATCH BASIN
GRATE ELEV 107.56
INV 102.82 NW (30" RCP)
INV 102.91 SE (30" RCP)

655 CATCH BASIN
GRATE ELEV 110.63
INV 102.64 NW (30" RCP)
INV 102.81 SE (30" RCP)

656 ENDWALL
INV 102.25 S (30" RCP)

657 MANHOLE
RIM ELEV 106.33
INV 93.40 NW (38" X 60" ERCP)
INV UNKNOWN SE (38" X 60" ERCP)

658 CATCH BASIN
GRATE ELEV 102.30
SKIMMER ELEV 103.25
INV 91.48 NW (54" RCP)
INV 92.45 SE (48" RCP)

659 MANHOLE
RIM ELEV 104.37
INV 93.49 NW (48" RCP)
INV 93.59 SE (38" X 60" ERCP)

660 CATCH BASIN
GRATE ELEV 106.52
INV 103.75 S (18" RCP)

660A MES
INV 101.30 E (15" RCP)

660B MES
INV 101.11 E (15" RCP)

661 MANHOLE
RIM ELEV 130.26
INV 122.15 NW (36" RCP)
INV 122.20 SE (36" RCP)

662 MANHOLE
RIM ELEV 122.35
BOTTOM ELEV 107.35
INV 107.31 N (54" RCP)

663 MANHOLE
RIM ELEV 122.42
BOTTOM ELEV 107.43
INV 107.38 N (54" RCP)

664 MES
INV 107.06 SE (54" RCP)
INV 107.06 SW (54" RCP)

665 MANHOLE
RIM ELEV 130.91
INV 121.96 NW (36" RCP)
INV 122.02 SE (36" RCP)

666 MANHOLE
INV UNKNOWN

667 MANHOLE
INV UNKNOWN

668 MANHOLE
RIM ELEV 128.30
INV 117.71 NE (48" RCP)
INV 117.83 SW (48" RCP)

669 MANHOLE
RIM ELEV 131.40
INV 119.01 NE (48" RCP)
INV 119.07 SW (48" RCP)

670 MANHOLE
RIM ELEV 131.19
INV 119.66 NE (48" RCP)
INV 119.72 SW (48" RCP)

671 MANHOLE
INV UNKNOWN

672 CATCH BASIN
INV UNKNOWN

673 MANHOLE
RIM ELEV 131.80
INV 119.27 NE (48" RCP)
INV 119.71 SW (48" RCP)
INV 121.64 SE (36" RCP)

674 MANHOLE
RIM ELEV 131.87
INV 124.47 NW (24" RCP)
INV 124.63 SW (24" RCP)

675 MANHOLE
RIM ELEV 133.12
INV 120.59 SE (48" RCP)
INV 120.64 SW (48" RCP)

676 MANHOLE
RIM ELEV 132.18
INV 124.46 NE (24" RCP)
INV 124.46 SE (24" RCP)
INV 125.61 SW (18" RCP)

677 CATCH BASIN
RIM ELEV 124.01
INV 122.13 NW (48" RCP)
INV 123.97 SE (24" RCP)

678 MANHOLE
RIM ELEV 132.64
INV 121.28 NE (48" RCP)
INV 121.41 SE (48" RCP)
INV 126.06 NW (24" RCP)

679 CURB INLET
RIM ELEV 142.44
INV 134.94 NE (24" RCP)
INV 130.17 SE (24" RCP)

680 MANHOLE
RIM ELEV 143.83
INV 137.01 NE (18" RCP)
INV 135.08 SW (24" RCP)
INV 134.89 NW (24" RCP)

681 CURB INLET
RIM ELEV 142.45
INV 137.48 SW (18" RCP)

682 MANHOLE
RIM ELEV 157.71
INV 151.78 NE (18" RCP)

683 MANHOLE
RIM ELEV 157.69
INV 151.60 SW (18" RCP)

684 MANHOLE
RIM ELEV 158.30
INV 151.61 NE (18" RCP)
INV 151.56 SW (18" RCP)
INV 149.27 NW (24" RCP)

685 MANHOLE
RIM ELEV 155.63
INV 145.86 NE (24" RCP)
INV 148.99 SE (24" RCP)
INV 145.93 NW (24" RCP)

686 MANHOLE
RIM ELEV 155.40
INV 126.40 NE (24" RCP)
INV 145.75 SE (24" RCP)
TOP OF 24" IP ELEV 144.38

687 MANHOLE
RIM ELEV 151.33
INV 146.28 NE (18" RCP)

688 MANHOLE
RIM ELEV 152.16
INV 145.91 NE (18" RCP)
INV 146.01 SE (24" RCP)
INV 146.26 SW (18" RCP)

689 MANHOLE
RIM ELEV 150.99
INV 146.27 SW (18" RCP)

690 CURB INLET
INV UNKNOWN

691 MANHOLE
INV UNKNOWN

692 CURB INLET
INV UNKNOWN

693 MANHOLE
INV UNKNOWN

694 MANHOLE
INV UNKNOWN

695 CURB INLET
INV UNKNOWN

696 CURB INLET
INV UNKNOWN

697 CURB INLET
INV UNKNOWN

698 CURB INLET
INV UNKNOWN

699 CURB INLET
INV UNKNOWN

700 CURB INLET
INV UNKNOWN

701 CURB INLET
INV UNKNOWN

702 MANHOLE
INV UNKNOWN

703 CURB INLET
INV UNKNOWN

704 MANHOLE
INV UNKNOWN

705 CURB INLET
INV UNKNOWN

706 CATCH BASIN
INV UNKNOWN

707 MANHOLE
INV UNKNOWN

708 CURB INLET
INV UNKNOWN

709 CURB INLET
INV UNKNOWN

710 DRAINAGE MISCELLANEOUS
INV UNKNOWN

711 DRAINAGE MISCELLANEOUS
INV UNKNOWN

712 DRAINAGE MISCELLANEOUS
INV UNKNOWN

713 DRAINAGE MISCELLANEOUS
INV UNKNOWN

714 DRAINAGE MISCELLANEOUS
INV UNKNOWN

715 DRAINAGE MISCELLANEOUS
INV UNKNOWN

716 DRAINAGE MISCELLANEOUS
INV UNKNOWN

717 MES
INV 105.73 NW (18" RCP)

718 DRAINAGE MISCELLANEOUS
INV UNKNOWN

719 CATCH BASIN
GRATE ELEV 109.43
V-SLOT ELEV 109.10
INV 105.32 NW (18" RCP)
INV 105.18 SE (18" RCP)

720 CATCH BASIN
GRATE ELEV 108.39
INV 105.77 SE (18" RCP)

720A SPILLWAY
ELEV 118.20

721 MES
INV 109.01 NW (15" CMP)

722 CATCH BASIN
GRATE ELEV 118.24
INV 111.69 SE (15" CMP)

723 MES
INV 109.50 NW (15" CMP)

724 CATCH BASIN
GRATE ELEV 129.92
INV 115.42 SE (15" CMP)

725 CATCH BASIN
GRATE ELEV 114.04
V-SLOT ELEV 113.70
INV 109.07 NW (18" CMP)

726 MES
INV 108.14 SE (18" CMP)

727 CATCH BASIN
INV UNKNOWN

728 CATCH BASIN
INV UNKNOWN

729 CATCH BASIN
GRATE ELEV 113.43
SKIMMER ELEV 113.37
INV 100.60 SW (18" RCP)
INV 100.29 NE (24" RCP)

730 CATCH BASIN
GRATE ELEV 112.85
BOTTOM ELEV 104.89

731 CATCH BASIN
GRATE ELEV 119.80
INV 112.30 NW (18" RCP)
INV 112.42 NE (18" RCP)

732 CONCRETE FLUME
INV 106.21 SE (18" RCP)

733 CATCH BASIN
GRATE ELEV 106.99
BOTTOM ELEV 94.72

734 CATCH BASIN
GRATE ELEV 121.67
INV 116.13 SW (18" RCP)

735 MANHOLE
INV UNKNOWN

736 ENDWALL
INV 95.06 SE
(66" X 50" BOX CULVERT)

737 MES
INV 98.95 W (24" RCP)

738 MES
INV 95.49 E (36" RCP)

739 CATCH BASIN
GRATE ELEV 108.17
INV 105.87 SE (15" CMP)

740 MES
INV 95.41 NW (48" RCP)
INV 95.41 NW (48" RCP)

741 MES
INV 94.67 SE (48" RCP)
INV 94.71 SE (48" RCP)

742 CATCH BASIN
INV UNKNOWN

743 CATCH BASIN
INV UNKNOWN

744 DRAINAGE MISCELLANEOUS
INV UNKNOWN

745 CATCH BASIN
INV UNKNOWN

746 CATCH BASIN
INV UNKNOWN

747 CATCH BASIN
INV UNKNOWN

748 CURB INLET
INV UNKNOWN

749 MANHOLE
RIM ELEV 102.80
INV 98.61 NE (18" RCP)
INV 98.70 SW (18" RCP)

750 MANHOLE
RIM ELEV 102.75
INV 96.28 NE (18" RCP)
INV 95.52 SW (36" RCP)

751 CATCH BASIN
INV UNKNOWN

752 CONCRETE FLUME
INV UNKNOWN

753 CATCH BASIN
INV UNKNOWN

754 CATCH BASIN
INV UNKNOWN

755 CATCH BASIN
INV UNKNOWN

756 MES
INV UNKNOWN

757 CURB INLET
INV UNKNOWN

758 CURB INLET
INV UNKNOWN

759 CURB INLET
INV UNKNOWN

760 CATCH BASIN
INV UNKNOWN

761 CURB INLET
INV UNKNOWN

762 CURB INLET
INV UNKNOWN

763 CURB INLET
INV UNKNOWN

764 MES
INV 111.06 E (18" CMP)

766 CATCH BASIN
TOP ELEV 114.81
V-SLOT ELEV 114.50
INV 111.40 W (18" RCP)
INV 111.56 E (15" RCP)

767 CATCH BASIN
GRATE ELEV 115.37
INV 111.47 NW (15" RCP)

768 OVERFLOW STRUCTURE
INV UNKNOWN

769 CURB INLET
INV UNKNOWN

770 MANHOLE
INV UNKNOWN

771 CURB INLET
INV UNKNOWN

772 MANHOLE
INV UNKNOWN

773 MANHOLE
INV UNKNOWN

774 MANHOLE
INV UNKNOWN

775 CURB INLET
INV UNKNOWN

776 MANHOLE
INV UNKNOWN

777 MANHOLE
INV UNKNOWN

779 MANHOLE
INV UNKNOWN

780 MANHOLE
INV UNKNOWN

781 CATCH BASIN
INV UNKNOWN

782 CURB INLET
INV UNKNOWN

783 MANHOLE
INV UNKNOWN

784 CATCH BASIN
INV UNKNOWN

785 MANHOLE
INV UNKNOWN

786 MANHOLE
INV UNKNOWN

787 CURB INLET
INV UNKNOWN

788 MANHOLE
INV UNKNOWN

789 MANHOLE
INV UNKNOWN

790 CURB INLET
INV UNKNOWN

791 CURB INLET
INV UNKNOWN

792 CURB INLET
INV UNKNOWN

793 CATCH BASIN
INV UNKNOWN

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

EXISTING DRAINAGE STRUCTURES (4)

SHEET NO. 19

794 CATCH BASIN
INV UNKNOWN

795 CURB INLET
INV UNKNOWN

796 MANHOLE
INV UNKNOWN

797 CURB INLET
INV UNKNOWN

798 CURB INLET
INV UNKNOWN

799 CATCH BASIN
INV UNKNOWN

800 CATCH BASIN
INV UNKNOWN

801 DRAINAGE MISCELLANEOUS
INV UNKNOWN

802 MANHOLE
INV UNKNOWN

803 CATCH BASIN
INV 101.18 SW (30" RCP)

804 CURB INLET
INV UNKNOWN

805 MANHOLE
INV UNKNOWN

806 MES
INV 101.05 NE (30" RCP)

807 END PIPE
INV UNKNOWN

808 END PIPE
INV UNKNOWN

809 END PIPE
INV UNKNOWN

810 ENDWALL
INV 97.38 N (24" CMP)

811 CATCH BASIN
GRATE ELEV 112.32
BOTTOM ELEV 105.52

812 CATCH BASIN
GRATE ELEV 112.13
BOTTOM ELEV 104.84

813 END PIPE
INV UNKNOWN

814 ENDWALL
INV UNKNOWN

815 CATCH BASIN
SKIMMER RIM ELEV 104.85
RIM ELEV 103.83 (48" VER. CMP)
INV 99.08 E (6" CPP)
INV 97.25 SW (24" CMP)
INV 98.91 W (6" CPP)

816 CATCH BASIN
GRATE ELEV 102.90
INV 97.99 NW (SIZE UNKNOWN)

817 CATCH BASIN
GRATE ELEV 102.31
INV 96.13 NE (29" X 45" ERCP)
INV 97.32 SE (SIZE UNKNOWN)
INV 95.32 SW (SIZE UNKNOWN)

818 MES
INV 98.03 NE (18" RCP)

819 MES
INV 98.22 SW (36" RCP)

820 OVERFLOW STRUCTURE
INV UNKNOWN

821 CURB INLET
INV UNKNOWN

822 MES
INV UNKNOWN

823 CURB INLET
INV UNKNOWN

824 CURB INLET
INV UNKNOWN

825 CURB INLET
INV UNKNOWN

826 MANHOLE
INV UNKNOWN

827 CURB INLET
INV UNKNOWN

828 ENDWALL
INV 94.61

829 CURB INLET
INV UNKNOWN

830 CURB INLET
INV UNKNOWN

831 ENDWALL
INV 94.33 SE (30" RCP)
INV 94.58 SE (50" RCP)

832 CURB INLET
INV UNKNOWN

833 CURB INLET
INV UNKNOWN

834 48" RCP
INV 92.69 NW
INV 91.93 SE

834A 48" RCP
INV 93.01 NW
INV 92.70 SE

835 CATCH BASIN
INV UNKNOWN

836 CURB INLET
INV UNKNOWN

837 CURB INLET
INV UNKNOWN

838 CATCH BASIN
INV UNKNOWN

839 CATCH BASIN
INV UNKNOWN

840 CATCH BASIN
INV UNKNOWN

841 CATCH BASIN
INV UNKNOWN

842 CURB INLET
INV UNKNOWN

843 CURB INLET
INV UNKNOWN

844 CURB INLET
INV UNKNOWN

845 CURB INLET
INV UNKNOWN

846 CATCH BASIN
INV UNKNOWN

847 CURB INLET
INV UNKNOWN

848 CURB INLET
INV UNKNOWN

849 CURB INLET
INV UNKNOWN

850 CURB INLET
INV UNKNOWN

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

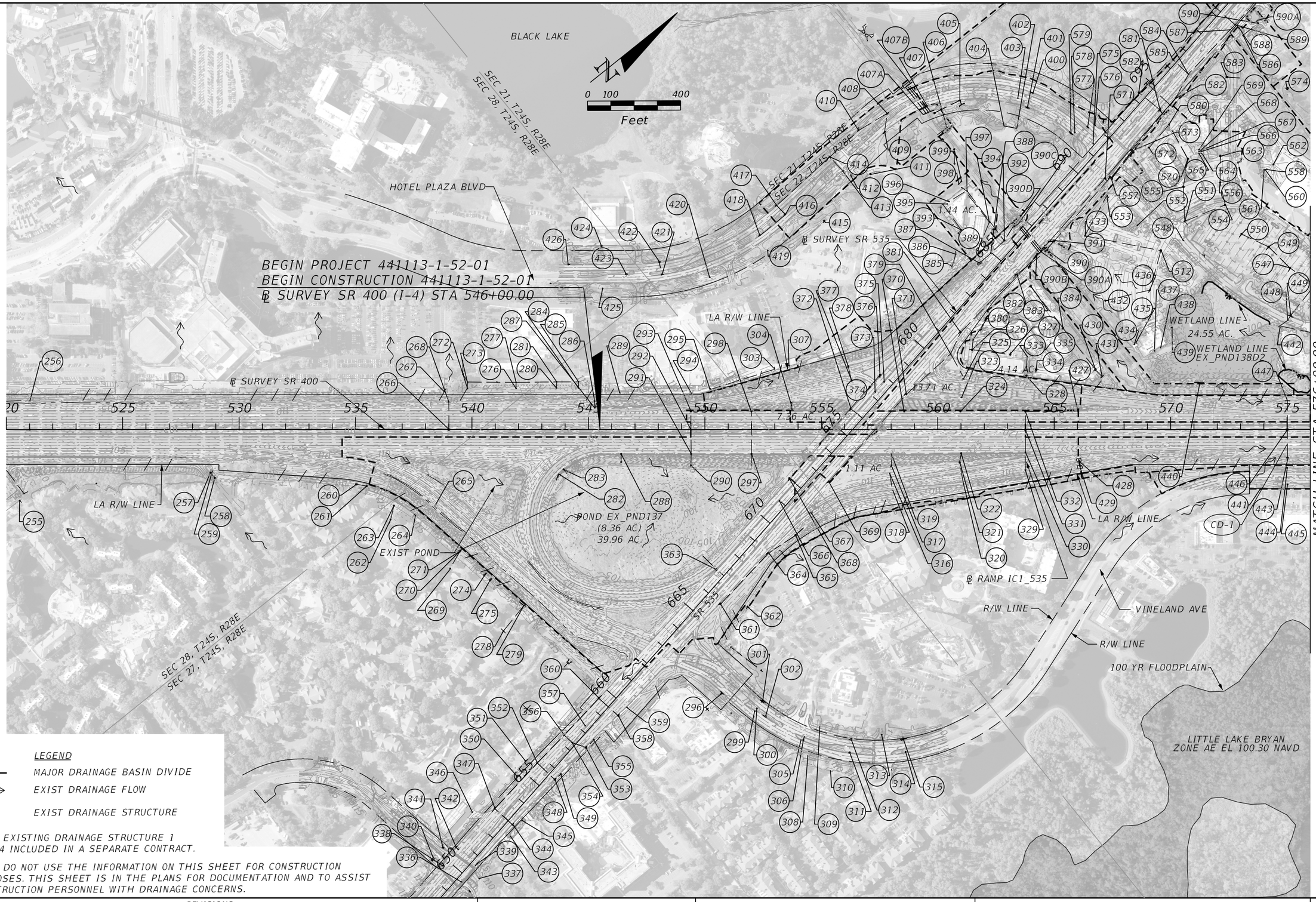
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

EXISTING DRAINAGE STRUCTURES (5)

SHEET NO. 20



LEGEND

- MAJOR DRAINAGE BASIN DIVIDE
- EXIST DRAINAGE FLOW
- (1) EXIST DRAINAGE STRUCTURE

NOTE: EXISTING DRAINAGE STRUCTURE 1 TO 254 INCLUDED IN A SEPARATE CONTRACT.

NOTE: DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

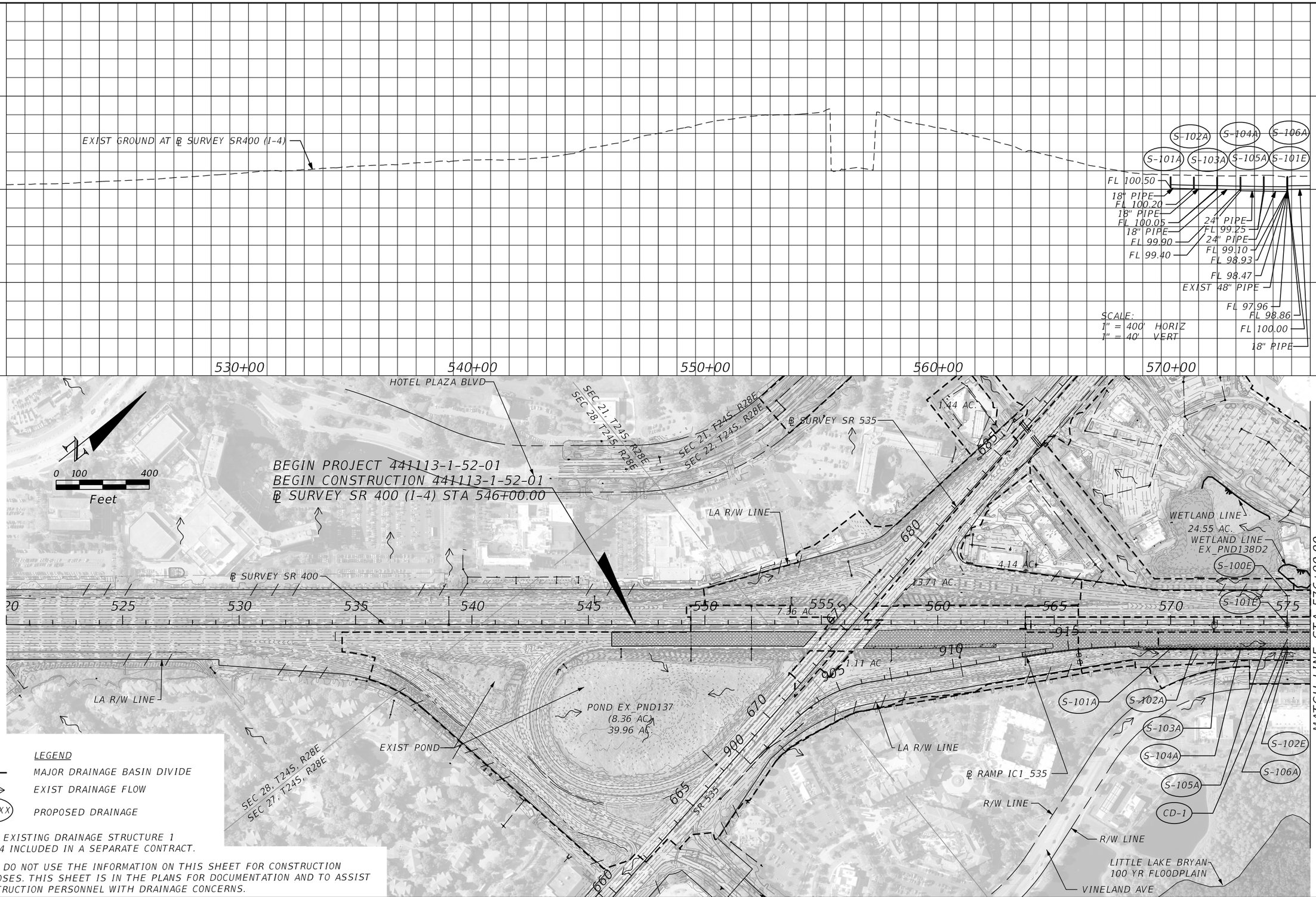
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE MAP (1)
EXISTING CONDITION

SHEET NO. 21

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:19:22 AM c:\pwworking\aecom_na\rmartini\d0164799\DRMPRD01_DCP.dgn



LEGEND

- MAJOR DRAINAGE BASIN DIVIDE
- EXIST DRAINAGE FLOW
- X-XXXX PROPOSED DRAINAGE

NOTE: EXISTING DRAINAGE STRUCTURE 1 TO 254 INCLUDED IN A SEPARATE CONTRACT.

NOTE: DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

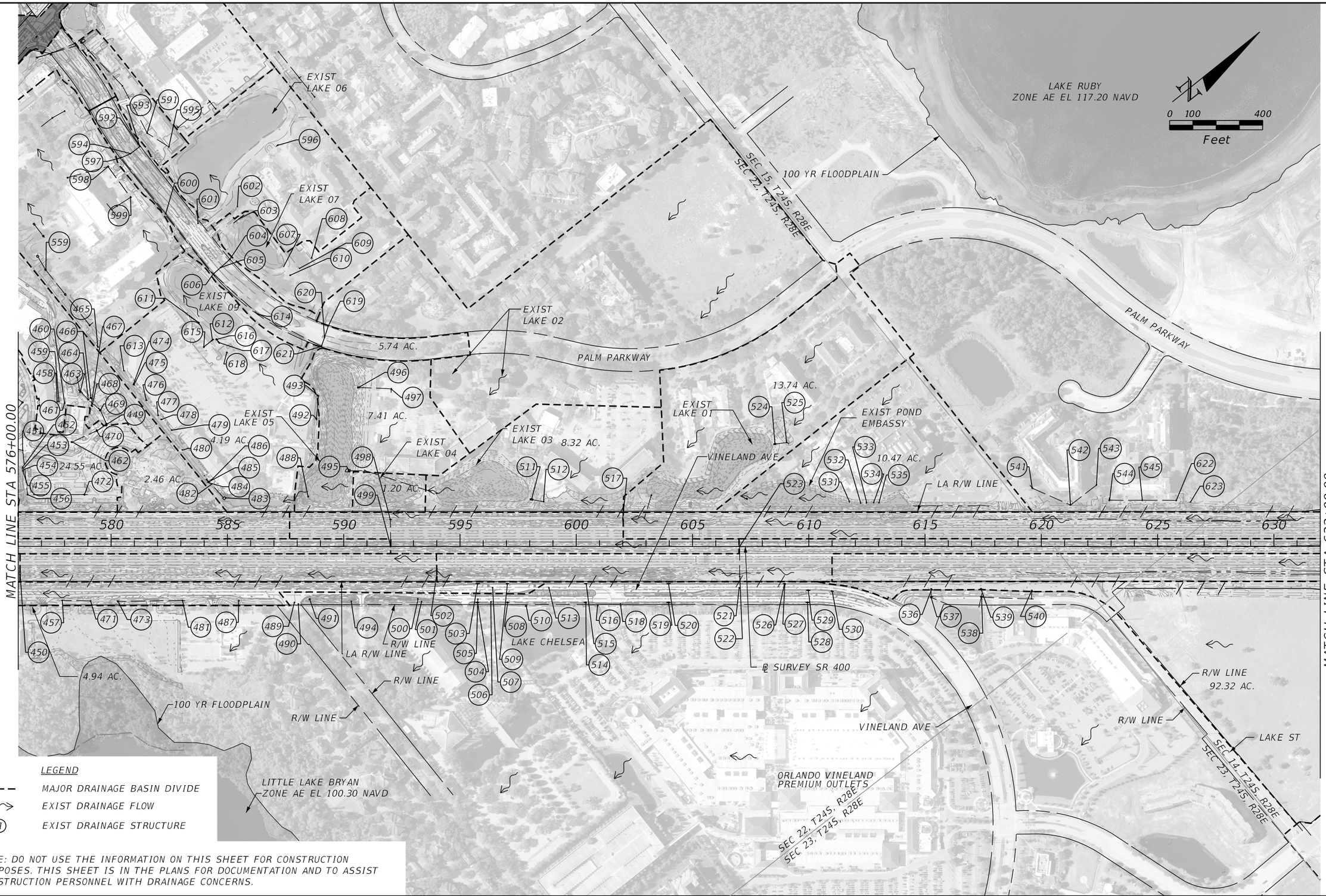
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE MAP (1)
PROPOSED CONDITION

SHEET NO. 22



LEGEND

- MAJOR DRAINAGE BASIN DIVIDE
- EXIST DRAINAGE FLOW
- (1) EXIST DRAINAGE STRUCTURE

NOTE: DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

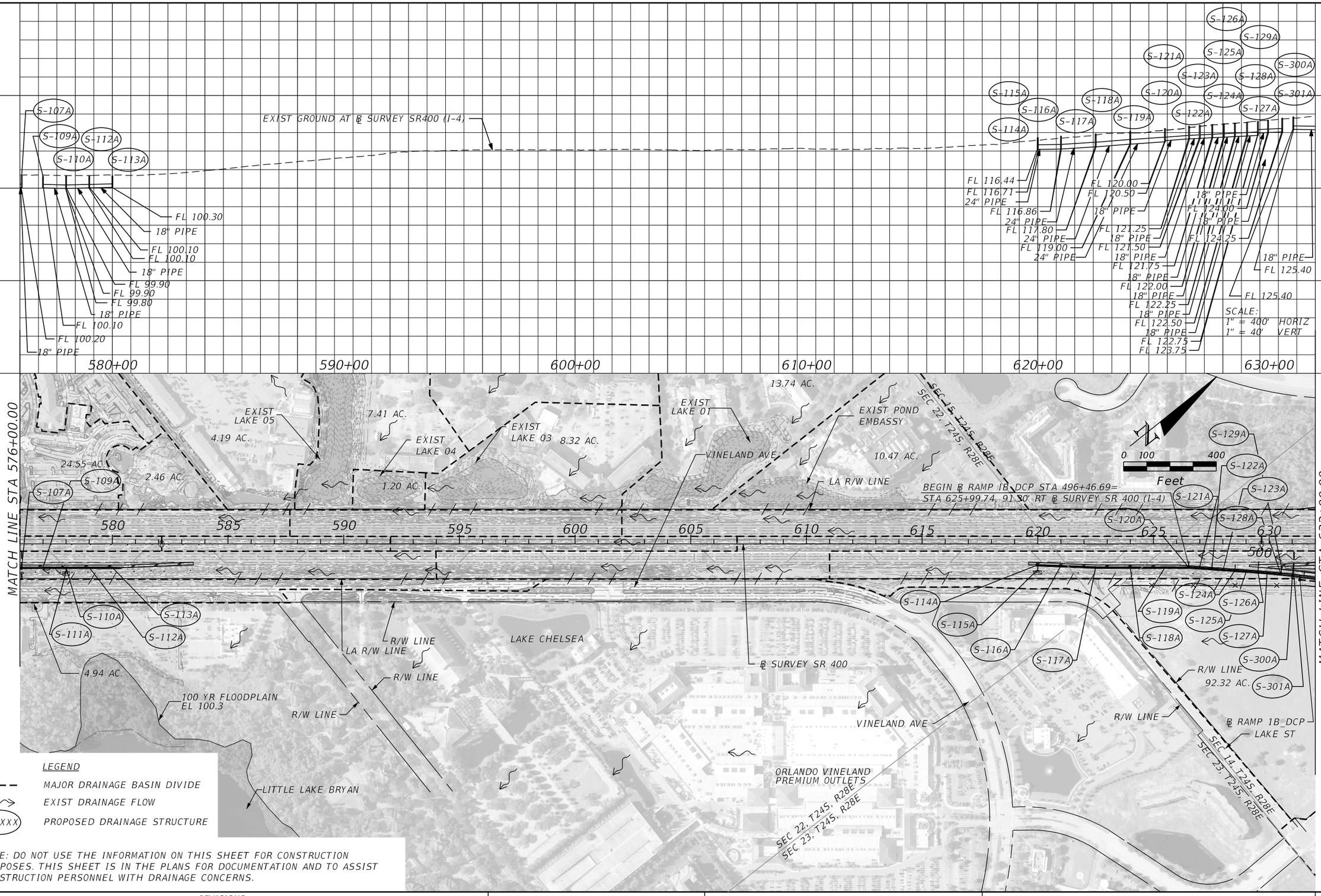
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE MAP (2)
EXISTING CONDITION

SHEET NO. 23

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:21:33 AM c:\pwworking\aecom_na\rmartini\d0164799\DRMPRD02_DCP.dgn



LEGEND

- - - - MAJOR DRAINAGE BASIN DIVIDE

EXIST DRAINAGE FLOW

X-XXXX PROPOSED DRAINAGE STRUCTURE

NOTE: DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

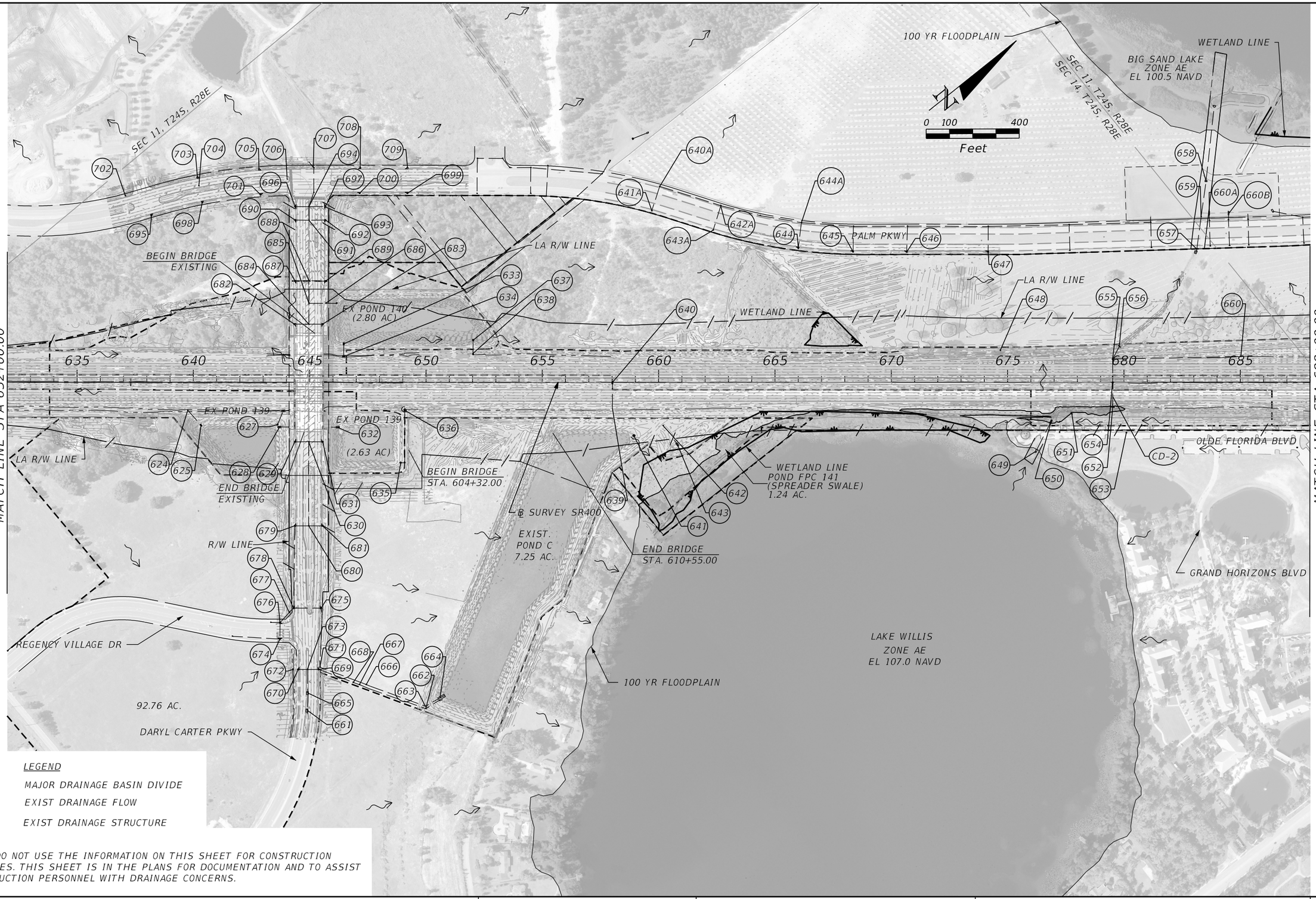
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE MAP (2)
PROPOSED CONDITION

SHEET NO. 24

robert.martini 8/22/2019 11:03:08 AM c:\pwworking\aecom_na\rmartini\d0164799\DRMPRD08_DCP.dgn



LEGEND

- MAJOR DRAINAGE BASIN DIVIDE
- EXIST DRAINAGE FLOW
- (1) EXIST DRAINAGE STRUCTURE

NOTE: DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

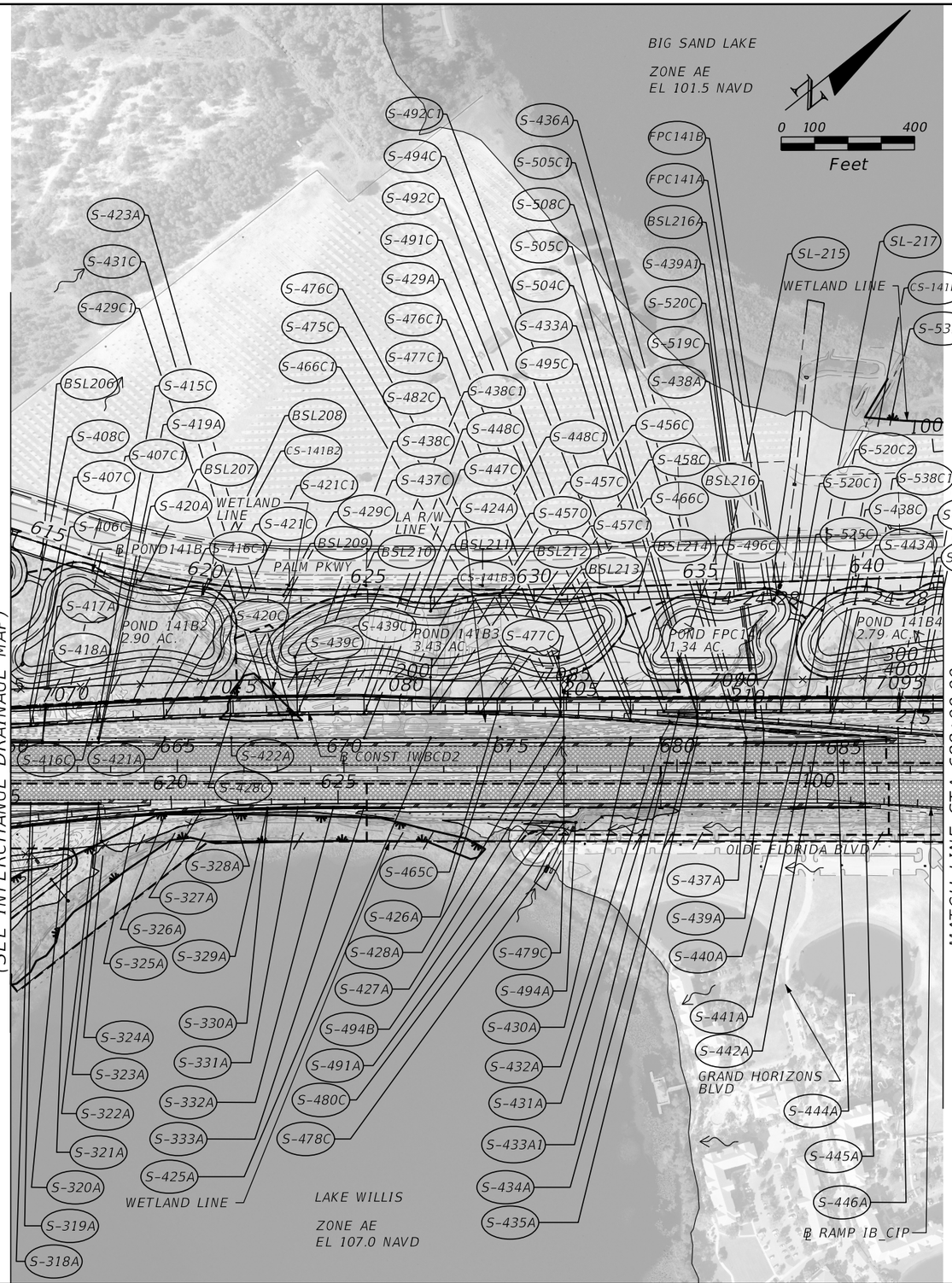
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE MAP (3)
EXISTING CONDITION

SHEET NO. 25

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:23:04 AM c:\pwworking\aecom_na\rmartini\d0164799\DRMPRD03_DCP.dgn



LEGEND

- *MAJOR DRAINAGE BASIN DIVIDE*
- *EXIST DRAINAGE FLOW*
- *X-XXXX* *PROPOSED DRAINAGE STRUCTURE*

NOTE: DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

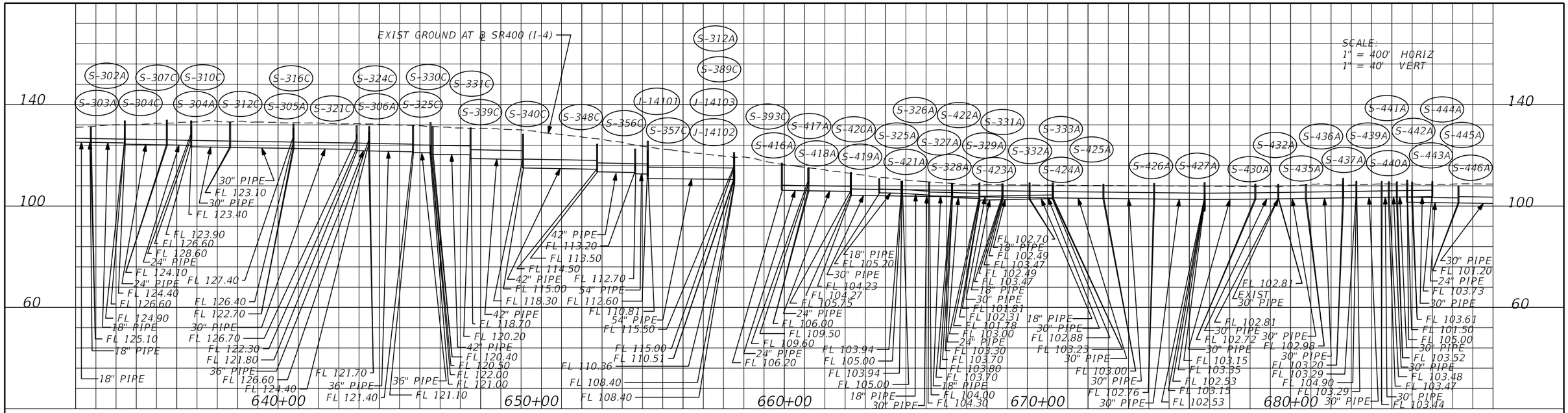
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE MAP (3)
PROPOSED CONDITION

SHEET NO. 26



STRUCTURE NO.	STATION	BASELINE ALIGNMENT NAME	DESIGN FLOOD		BASE FLOOD		OVERTOPPING FLOOD				GREATEST FLOOD			
			2% PROB.	50 YR.FREQ.	1% PROB.	100 YR.FREQ.								
			DISCHARGE	STAGE	DISCHARGE	STAGE	DISCHARGE	STAGE	PROB. %	FREQ. YR.	DISCHARGE	STAGE	PROB. %	FREQ. YR.
CD-1	575+02	℄400	33.86	102.46	41.37	102.99	N/A	106.30	N/A	N/A	62.00	105.00	0.2	500

NOTE: THE HYDRAULIC DATA IS SHOWN FOR INFORMATIONAL PURPOSES ONLY, TO INDICATE THE FLOOD DISCHARGES AND WATER SURFACE ELEVATIONS WHICH MAY BE ANTICIPATED IN ANY GIVEN YEAR. THIS DATA WAS GENERATED USING HIGHLY VARIABLE FACTORS DETERMINED BY A STUDY OF THE WATERSHED. MANY JUDGEMENTS AND ASSUMPTIONS ARE REQUIRED TO ESTABLISH THESE FACTORS. THE RESULTANT HYDRAULIC DATA IS SENSITIVE TO CHANGES, PARTICULARLY OF ANTECEDENT CONDITIONS, URBANIZATION, CHANNELIZATION, AND LAND USE. USERS OF THIS DATA ARE CAUTIONED AGAINST THE ASSUMPTION OF PRECISION WHICH CAN NOT BE ATTAINED. DISCHARGES ARE IN CUBIC FEET PER SECOND AND STAGES ARE IN FEET, NAVD, 1988.

DEFINITIONS:

DESIGN FLOOD: THE FLOOD SELECTED BY F.D.O.T. TO BE UTILIZED TO ASSURE A STANDARD LEVEL OF HYDRAULIC PERFORMANCE.

BASE FLOOD: THE FLOOD HAVING A 1% CHANCE OF BEING EXCEEDED IN ANY YEAR. (100 YR. FREQUENCY)

OVERTOPPING FLOOD: THE FLOOD WHERE FLOW OCCURS (A) OVER THE HIGHWAY (B) OVER A WATERSHED DIVIDE OR (C) THRU EMERGENCY RELIEF STRUCTURES.

GREATEST FLOOD: THE MOST SEVERE FLOOD WHICH CAN BE PREDICTED WHERE OVERTOPPING IS NOT PRACTICABLE, NORMALLY ONE WITH A 0.2% CHANCE OF BEING EXCEEDED IN ANY YEAR. (500 YR. FREQUENCY)

NOTE: DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE MAP (3) PROPOSED PROFILE & FLOOD DATA TABLE

SHEET NO. 27

LEGEND

- MAJOR DRAINAGE BASIN DIVIDE
- EXIST DRAINAGE FLOW
- (1) EXIST DRAINAGE STRUCTURE

NOTE: DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

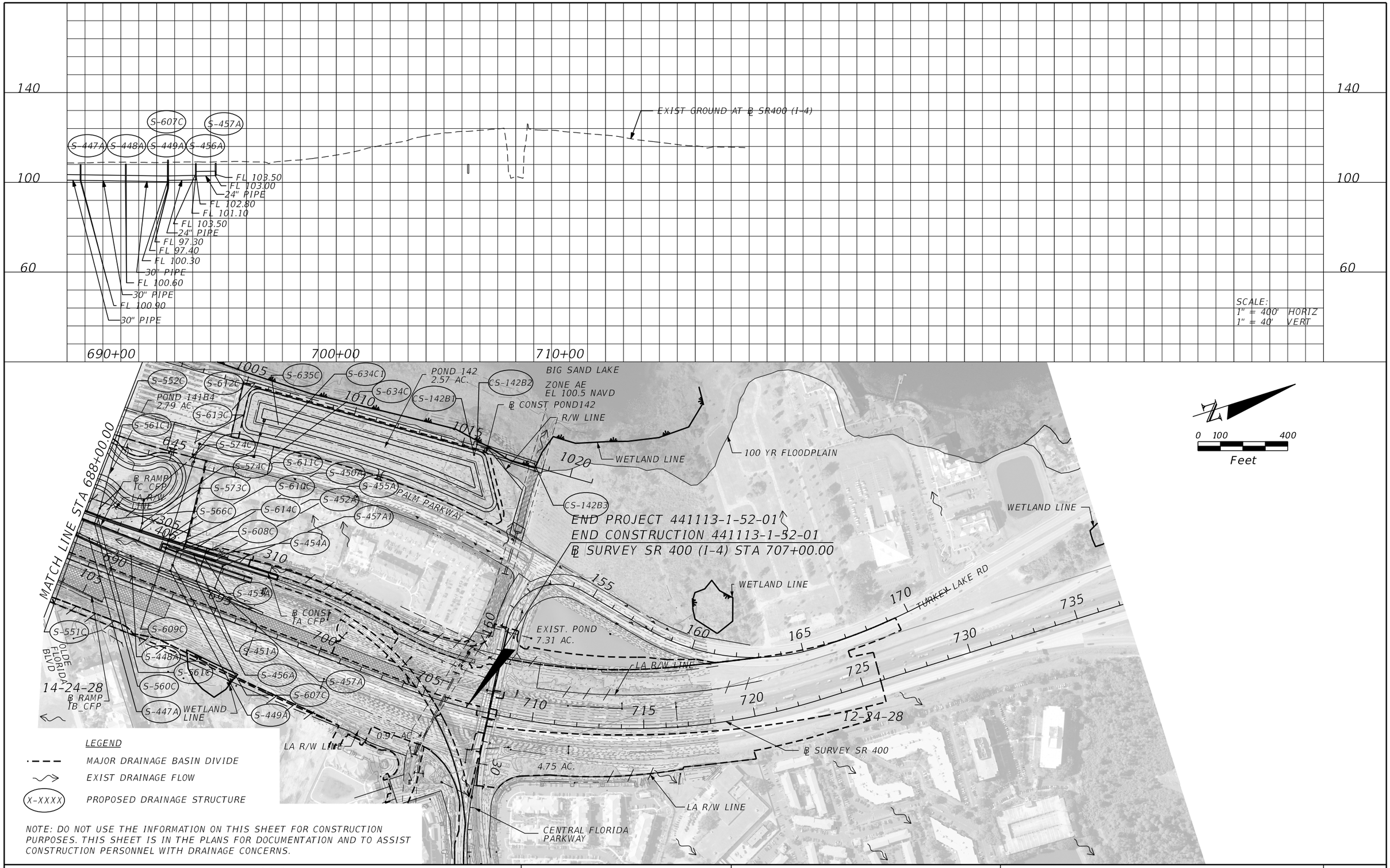
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE MAP (4)
EXISTING CONDITION

SHEET NO. 28

robert.martini 8/22/2019 10:24:42 AM c:\pwworking\aecom_na\rmartini\d0164799\DRMPRD04_DCP.dgn



LEGEND

- MAJOR DRAINAGE BASIN DIVIDE
- EXIST DRAINAGE FLOW
- X-XXXX PROPOSED DRAINAGE STRUCTURE

NOTE: DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE MAP (4)
PROPOSED CONDITION

SHEET NO. 29

robert.martini 8/22/2019 10:25:47 AM c:\pwworking\aecom_na\rmartini\d0164799\DRMPRD10_DCP.dgn

PALM PARKWAY

PALM PARKWAY

0 50 200
Feet

LA R/W LINE

BEGIN BRIDGE
EXISTING

EXIST POND 140
(2.80 AC)

LA R/W LINE

635 640 645 650 655 660

℄ SURVEY SR 400

LA R/W LINE

EXIST POND 139

EXIST POND 139
(2.63 AC)

BEGIN BRIDGE
STA. 604+32.00

EXIST POND C
7.25 AC.

LA R/W LINE

92.76 AC.

WETLAND LINE

POND FPC 141
(SPREADER SWALE)
1.24 AC.

100 YR
FLOODPLAIN

LAKE WILLIS
ZONE AE
EL 107.0 NAVD

LEGEND

- MAJOR DRAINAGE BASIN DIVIDE
- EXIST DRAINAGE FLOW
- (1) EXIST DRAINAGE STRUCTURE

NOTE: DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

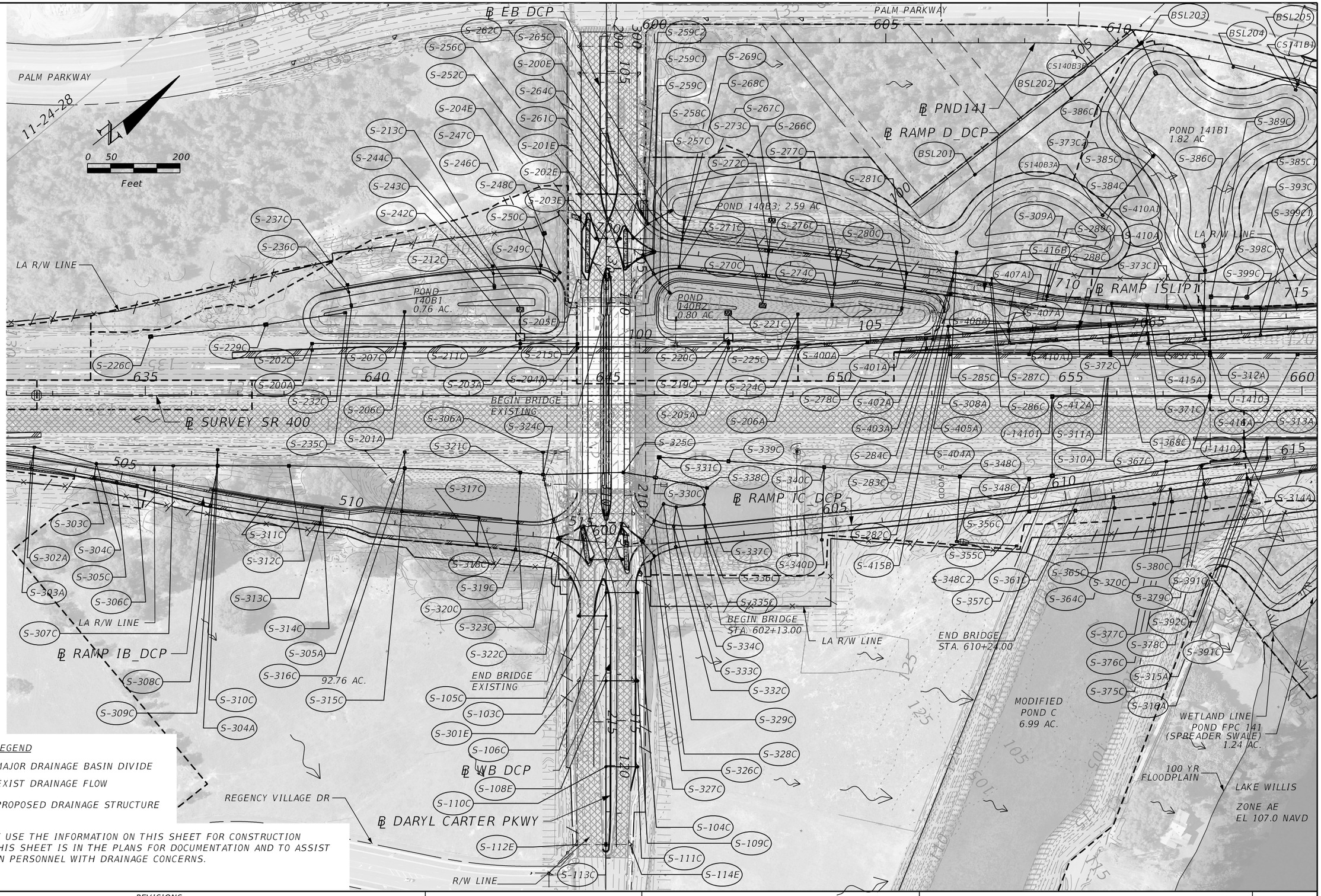
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

INTERCHANGE DRAINAGE MAP
EXISTING CONDITION

SHEET NO. 30

robert.martini 8/22/2019 10:26:13 AM c:\pwworking\aecom_na\rmartini\d0164799\DRMPRD05_DCP.dgn



LEGEND

- MAJOR DRAINAGE BASIN DIVIDE
- EXIST DRAINAGE FLOW
- X-XXXX PROPOSED DRAINAGE STRUCTURE

NOTE: DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

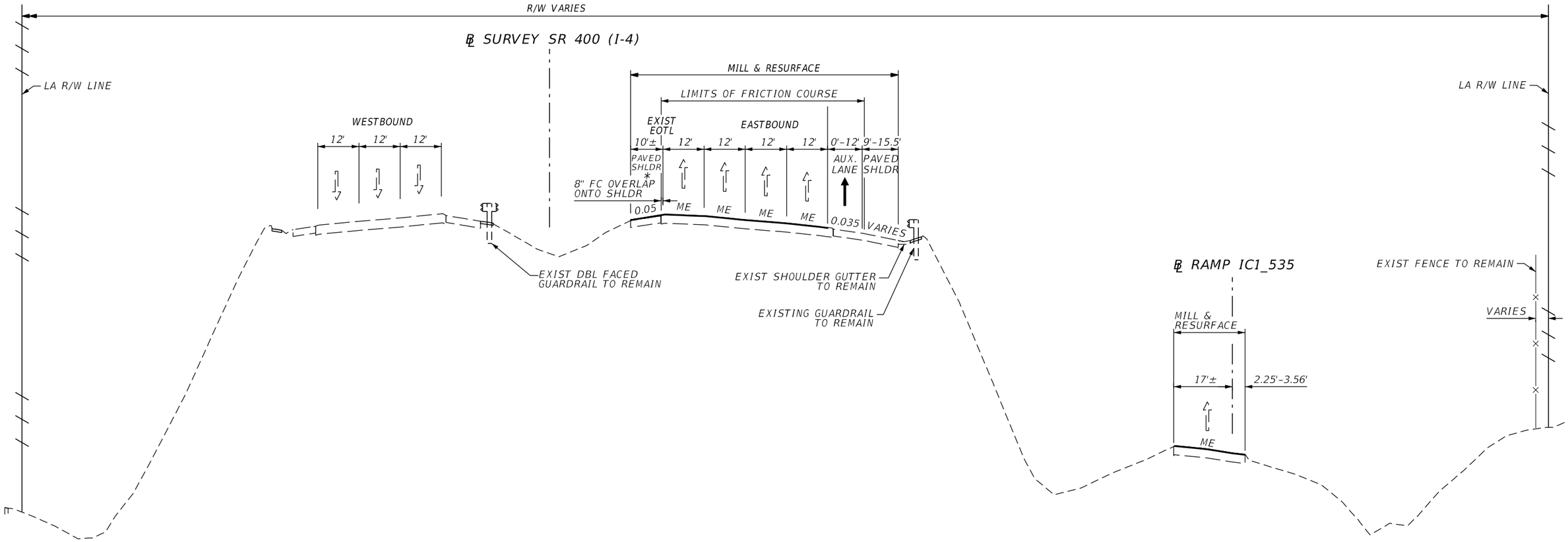
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

INTERCHANGE DRAINAGE MAP PROPOSED CONDITION

SHEET NO. 31

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:27:22 AM c:\pwworking\aecom_na\rmartini\d0164799\DRMPRD11_DCP.dgn



℄ RAMP IC1_535 STA. 913+00.00 to STA. 918+10.33 (LT/RT)

MILL & RESURFACE TRAVEL LANE

MILL EXIST PAVEMENT 3/4"

RESURFACE FRICTION COURSE (FC-5)(3/4")(PG 76-22)

TYPICAL SECTION #1

℄ SURVEY SR 400 (I-4) STA. 546+00.00 to STA. 554+80.15 (RT) - MILL & RESURFACE TRAVEL LANES ONLY

℄ SURVEY SR 400 (I-4) STA. 556+79.97 to STA. 562+50.00 (RT) - MILL & RESURFACE TRAVEL LANES AND INSIDE/OUTSIDE SHOULDERS

℄ SURVEY SR 400 (I-4) STA. 562+50.00 to STA. 568+26.14 (RT) - MILL & RESURFACE TRAVEL LANES AND INSIDE SHOULDER ONLY

MILL & RESURFACE - INSIDE SHOULDER

MILL EXIST PAVEMENT 1.5"

RESURFACE SP STRUCTURAL COURSE (TRAFFIC C) (1.5")

MILL & RESURFACE - OUTSIDE SHOULDER

MILL EXIST PAVEMENT 1.5"

RESURFACE SP STRUCTURAL COURSE (TRAFFIC E) (OVERBUILD THICKNESS VARIES 1"-3")

TRAFFIC DATA

CURRENT YEAR = 2017 AADT = 196,442
ESTIMATED OPENING YEAR = 2020 AADT = 207,930
ESTIMATED DESIGN YEAR = 2040 AADT = 284,520
K = 7.4% D = 52.92% T = 10.8% (24 HOUR)
DESIGN HOUR T = 5.4%
DESIGN SPEED = 70 MPH

LEGEND:

ME	MATCH EXISTING
EOTL	EDGE OF TRAVEL LANE
*	WITH GROUND-IN RUMBLE STRIP

TYPICAL SECTION NOTES:

1. TEMPORARY OVERBUILD INSTALLED ON INSIDE SHOULDER AS PART OF THE TTCP TO BE REMOVED PRIOR TO MILL AND RESURFACING. SEE TTCP PLANS FOR MORE DETAIL.
2. SEE TYPICAL SECTION DETAILS FOR MILL & RESURFACE WITH OVERBUILD DETAIL ON THE OUTSIDE SHOULDER.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

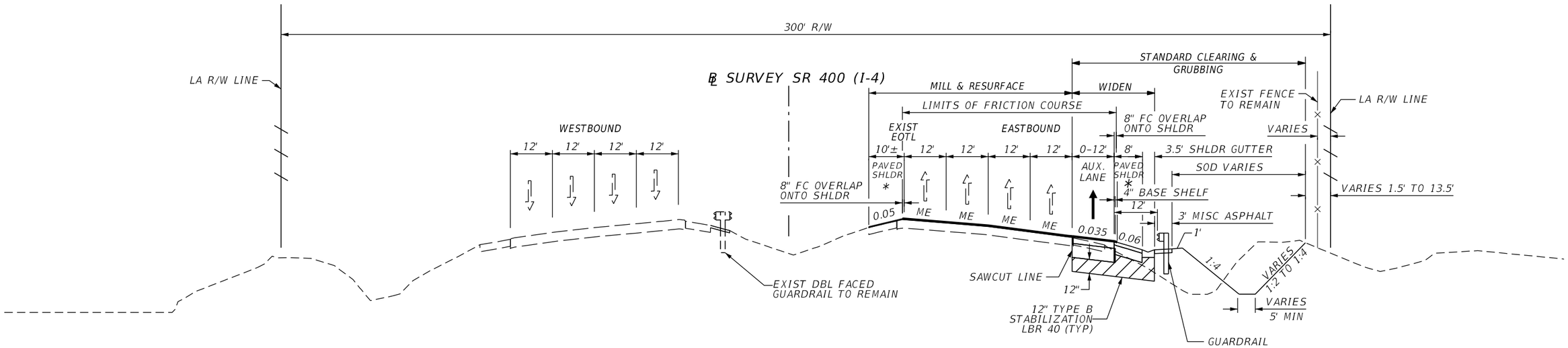
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
TYPICAL SECTION

SHEET NO. 32

robert.martini 8/22/2019 10:27:42 AM c:\pwworking\aecom_na\rmartini\d0164997\TYPSRD01.DGN



TYPICAL SECTION #2

℄ SURVEY SR 400 (I-4) STA. 568+26.14 to STA. 583+50.00 (RT) - MILL, RESURFACE, & WIDEN

SR 400 (I-4) NEW CONSTRUCTION

OPTIONAL BASE GROUP 12 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC E) (6")
USE MODIFIED ASPHALT BINDER (PG 76-22) IN TOP 2 LAYERS
AND FRICTION COURSE (FC-5) 3/4" (PG 76-22)

SR 400 (I-4) SHOULDER PAVEMENT

OPTIONAL BASE GROUP 05 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3")

MILL & RESURFACE - TRAVEL LANES

MILL EXIST PAVEMENT 3/4"
RESURFACE FRICTION COURSE (FC-5)(3/4")(PG 76-22)

MILL & RESURFACE - INSIDE SHOULDER

MILL EXIST PAVEMENT 1.5"
RESURFACE SP STRUCTURAL COURSE (TRAFFIC C) (1.5")

TRAFFIC DATA

CURRENT YEAR = 2017 AADT = 196,442
ESTIMATED OPENING YEAR = 2020 AADT = 207,930
ESTIMATED DESIGN YEAR = 2040 AADT = 284,520
K = 7.4% D = 52.92% T = 10.8% (24 HOUR)
DESIGN HOUR T = 5.4%
DESIGN SPEED = 70 MPH

LEGEND:

ME	MATCH EXISTING
EOTL	EDGE OF TRAVEL LANE
*	WITH GROUND-IN RUMBLE STRIP

TYPICAL SECTION NOTES:

1. TEMPORARY OVERBUILD INSTALLED ON INSIDE SHOULDER AS PART OF THE TTCP TO BE REMOVED PRIOR TO MILL AND RESURFACING. SEE TTCP PLANS FOR MORE DETAIL.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

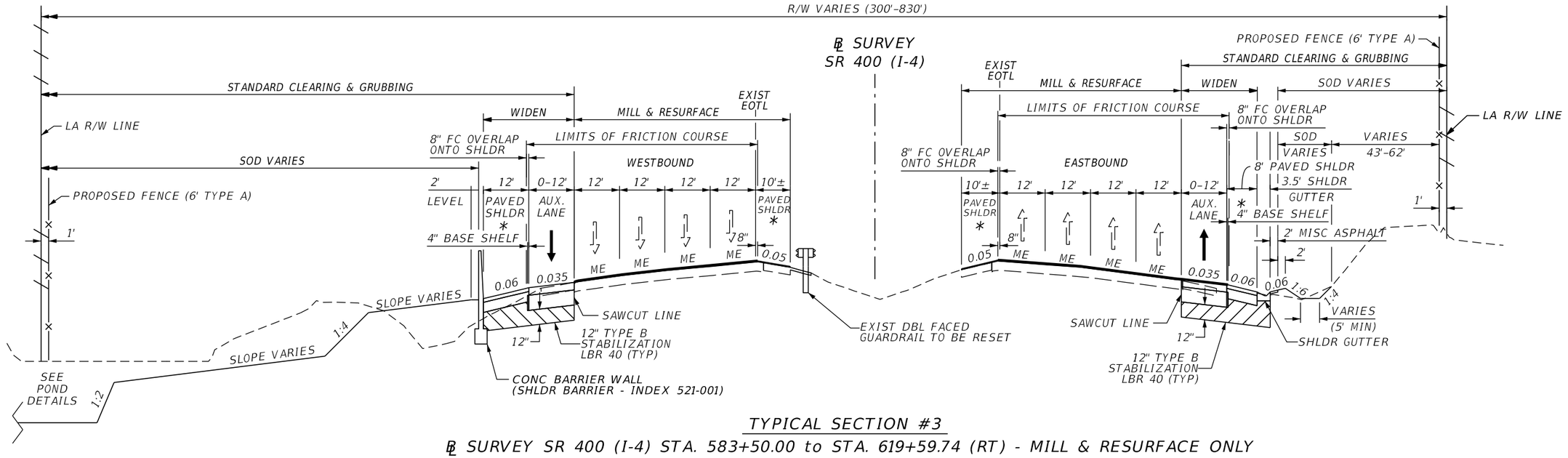
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
TYPICAL SECTION

SHEET NO. 33

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:27:46 AM c:\pwworking\aecom_na\r.martini\d0164997\TYPSRD02.DGN



TYPICAL SECTION #3

℄ SURVEY SR 400 (I-4) STA. 583+50.00 to STA. 619+59.74 (RT) - MILL & RESURFACE ONLY
℄ SURVEY SR 400 (I-4) STA. 619+59.74 to STA. 632+74.71 (RT) - MILL, RESURFACE, & WIDEN
℄ SURVEY SR 400 (I-4) STA. 632+00.00 to STA. 636+88.12 (LT) - MILL & RESURFACE ONLY
℄ SURVEY SR 400 (I-4) STA. 636+88.12 to STA. 663+00.00 (LT) - MILL, RESURFACE, & WIDEN

SR 400 (I-4) NEW CONSTRUCTION

OPTIONAL BASE GROUP 12 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC E) (6")
USE MODIFIES ASPHALT BINDER (PG 76-22) IN TOP 2 LAYERS
AND FRICTION COURSE (FC-5) (3/4") (PG 76-22)

SR 400 (I-4) SHOULDER PAVEMENT

OPTIONAL BASE GROUP 05 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3")

MILL & RESURFACE - TRAVEL LANES

MILL EXIST PAVEMENT 3/4"
RESURFACE FRICTION COURSE (FC-5)(3/4")(PG 76-22)

TRAFFIC DATA

CURRENT YEAR = 2017 AADT = 196,442
ESTIMATED OPENING YEAR = 2020 AADT = 207,930
ESTIMATED DESIGN YEAR = 2040 AADT = 284,520
K = 7.4% D = 52.92% T = 10.8% (24 HOUR)
DESIGN HOUR T = 5.4%
DESIGN SPEED = 70 MPH

LEGEND:

ME	MATCH EXISTING
EOTL	EDGE OF TRAVEL LANE
*	WITH GROUND-IN RUMBLE STRIP

TYPICAL SECTION NOTES:

1. TEMPORARY OVERBUILD INSTALLED ON INSIDE SHOULDER AS PART OF THE TTCP TO BE REMOVED PRIOR TO MILL AND RESURFACING. SEE TTCP PLANS FOR MORE DETAIL.
2. SEE TYPICAL SECTION DETAILS FOR ADDITIONAL PARTIAL TYPICAL SECTIONS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

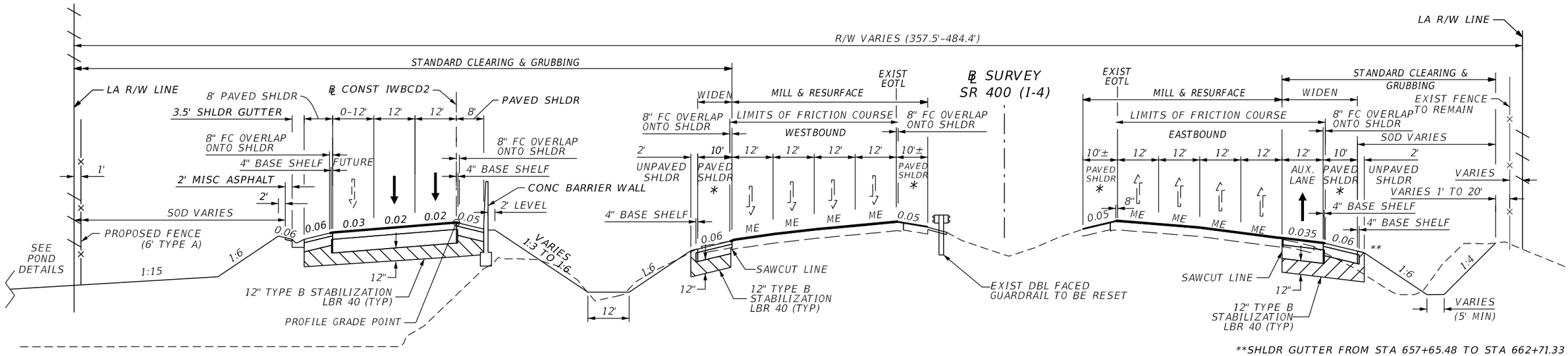
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
TYPICAL SECTION

SHEET NO. 34

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:27:50 AM c:\pwworking\aecom_na\rmartini\d0164997\TYPSRD03.DGN



**SHLDR GUTTER FROM STA 657+65.48 TO STA 662+71.33

TYPICAL SECTION #4

℄ SURVEY SR 400 (I-4) STA. 632+74.71 to STA. 657+65.48 (RT) - MILL & RESURFACE ONLY
℄ SURVEY SR 400 (I-4) STA. 657+65.48 to STA. 686+10.95 (RT) - MILL, RESURFACE, & WIDEN
℄ SURVEY SR 400 (I-4) STA. 663+00.00 to STA. 681+99.83 (LT) - MILL, RESURFACE, & WIDEN

IWBCD2 NEW CONSTRUCTION

OPTIONAL BASE GROUP 12 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (4")
USE MODIFIED ASPHALT BINDER (PG 76-22) IN TOP LAYER
AND FRICTION COURSE (FC-5) 3/4" (PG 76-22)

IWBCD2 SHOULDER PAVEMENT

OPTIONAL BASE GROUP 05 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")

SR 400 (I-4) NEW CONSTRUCTION

OPTIONAL BASE GROUP 12 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC E) (6")
USE MODIFIES ASPHALT BINDER (PG 76-22) IN TOP 2 LAYERS
AND FRICTION COURSE (FC-5) (3/4") (PG 76-22)

SR 400 (I-4) SHOULDER PAVEMENT

OPTIONAL BASE GROUP 05 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3")

MILL & RESURFACE - TRAVEL LANES

MILL EXIST PAVEMENT 3/4"
RESURFACE FRICTION COURSE (FC-5)(3/4")(PG 76-22)

MILL & RESURFACE - INSIDE SHLDR

MILL EXIST PAVEMENT 1.5"
RESURFACE SP STRUCTURAL COURSE (TRAFFIC C) (1.5")

TRAFFIC DATA

CURRENT YEAR = 2017 AADT = 196,442
ESTIMATED OPENING YEAR = 2020 AADT = 207,930
ESTIMATED DESIGN YEAR = 2040 AADT = 284,520
K = 7.4% D = 52.92% T = 10.8% (24 HOUR)
DESIGN HOUR T = 5.4%
DESIGN SPEED = 70 MPH

LEGEND:

ME	MATCH EXISTING
EOTL	EDGE OF TRAVEL LANE
*	WITH GROUND-IN RUMBLE STRIP

TYPICAL SECTION NOTES:

1. TEMPORARY OVERBUILD INSTALLED ON INSIDE SHOULDER AS PART OF THE TTCP TO BE REMOVED PRIOR TO MILL AND RESURFACING. SEE TTCP PLANS FOR MORE DETAIL.
2. SEE TYPICAL SECTION DETAILS FOR ADDITIONAL PARTIAL TYPICAL SECTIONS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

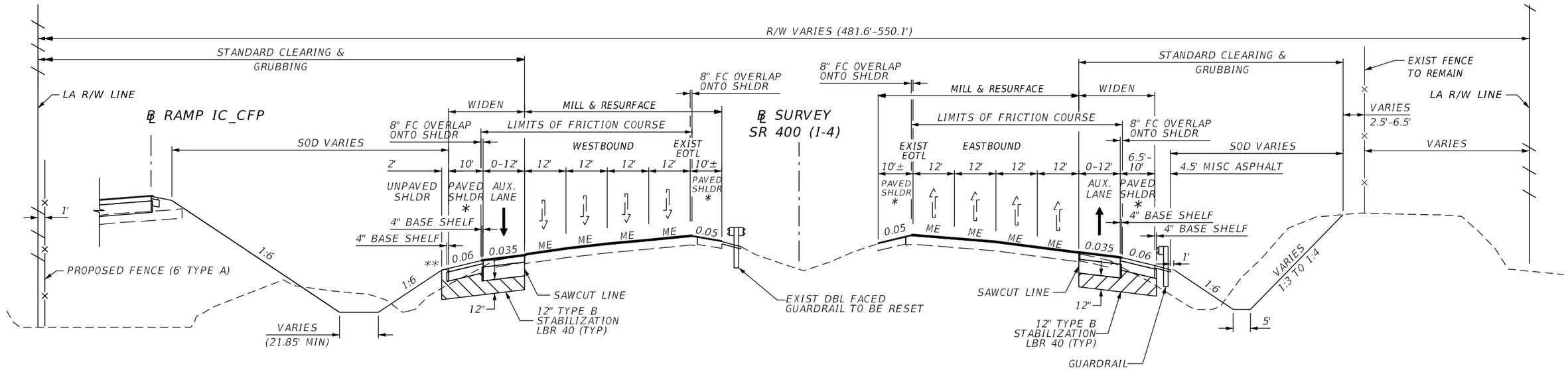
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) TYPICAL SECTION

SHEET NO. 35

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:27:53 AM c:\pwworking\aecom_na\rmartini\d0164997\TYPSRD04.DGN



TYPICAL SECTION #5

℄ SURVEY SR 400 (I-4) STA. 681+99.83 to STA. 697+02.12 (LT) - MILL, RESURFACE, & WIDEN
℄ SURVEY SR 400 (I-4) STA. 683+39.80 to STA. 686+10.95 (RT) - MILL, RESURFACE, & WIDEN
℄ SURVEY SR 400 (I-4) STA. 686+10.95 to STA. 693+01.35 (RT) - MILL & RESURFACE ONLY
℄ SURVEY SR 400 (I-4) STA. 697+02.12 to STA. 704+62.00 (LT) - MILL & RESURFACE ONLY

** SHLDR GUTTER FROM STA 681+99.83 TO STA 686+40.00

SR 400 (I-4) NEW CONSTRUCTION

OPTIONAL BASE GROUP 12 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC E) (6")
USE MODIFIED ASPHALT BINDER (PG 76-22) IN TOP 2 LAYERS
AND FRICTION COURSE (FC-5) (3/4") (PG 76-22)

SR 400 (I-4) SHOULDER PAVEMENT

OPTIONAL BASE GROUP 05 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3")

MILL & RESURFACE

MILL EXIST PAVEMENT 3/4"
RESURFACE FRICTION COURSE (FC-5)(3/4")(PG 76-22)

TRAFFIC DATA

CURRENT YEAR = 2017 AADT = 196,442
ESTIMATED OPENING YEAR = 2020 AADT = 207,930
ESTIMATED DESIGN YEAR = 2040 AADT = 284,520
K = 7.4% D = 52.92% T = 10.8% (24 HOUR)
DESIGN HOUR T = 5.4%
DESIGN SPEED = 70 MPH

LEGEND:

ME	MATCH EXISTING
EOTL	EDGE OF TRAVEL LANE
*	WITH GROUND-IN RUMBLE STRIP

TYPICAL SECTION NOTES:

1. TEMPORARY OVERBUILD INSTALLED ON INSIDE SHOULDER AS PART OF THE TTCP TO BE REMOVED PRIOR TO MILL AND RESURFACING. SEE TTCP PLANS FOR MORE DETAIL.
2. SEE TYPICAL SECTION DETAILS FOR ADDITIONAL PARTIAL TYPICAL SECTIONS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

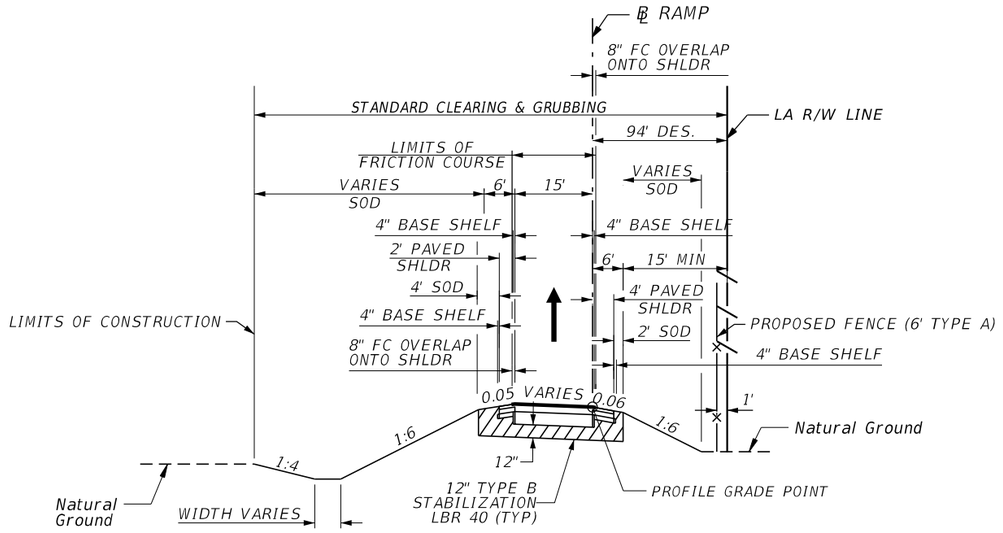
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
TYPICAL SECTION

SHEET NO. 36

robert.martini 8/22/2019 10:27:57 AM c:\pwworking\aecom_na\rmartini\d0164997\TYPSRD05.DGN

PRELIMINARY, NOT FOR CONSTRUCTION
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



TYPICAL SECTION #6
SR 400 (I-4) ONE LANE RAMP

TYPICAL SECTION NOTES:
1. SEE RAMP PROFILE SHEETS FOR RAMP SLOPES.
2. SEE TYPICAL SECTION DETAILS FOR ADDITIONAL PARTIAL TYPICAL SECTIONS.

NEW CONSTRUCTION (LOW ESAL)

OPTIONAL BASE GROUP 11 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3")
AND FRICTION COURSE (FC-5) (3/4") (PG 76-22)

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 03 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1.5")

RAMP	STATION RANGE	MOVEMENT	DESIGN SPEED (MPH)
D_DCP	700+24.28 - 717+26.89	WB_CD TO DCP	20-50
IA_CFP	300+00.00 - 310+36.97	EB_CFP TO WB_I4	50
IC_CFP	400+00.00 - 409+35.00	WB_CFP TO WB_I4	50
ISLIP1	100+00.00 -111+45.11	WB_CD TO WB_I4	50
ISLIP2	200+00.00 - 218+60.78	WB_I4 TO WB_CD	50

NEW CONSTRUCTION (HIGH ESAL)

OPTIONAL BASE GROUP 11 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (4")
USE MODIFIED ASPHALT BINDER (PG 76-22) IN TOP LAYER
AND FRICTION COURSE (FC-5) (3/4") (PG 76-22)

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 04 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")

RAMP	STATION RANGE	MOVEMENT	DESIGN SPEED (MPH)
IB_DCP	496+46.69 - 515+08.26	EB_I4_GUL TO DCP	20-50

TRAFFIC DATA

CURRENT YEAR = 2017 AADT = 17,800
ESTIMATED OPENING YEAR = 2020 AADT = 18,840
ESTIMATED DESIGN YEAR = 2040 AADT = 22,660
K = 7.4% D = 100% T = 10.8% (24 HOUR)
DESIGN HOUR T = 5.4%

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

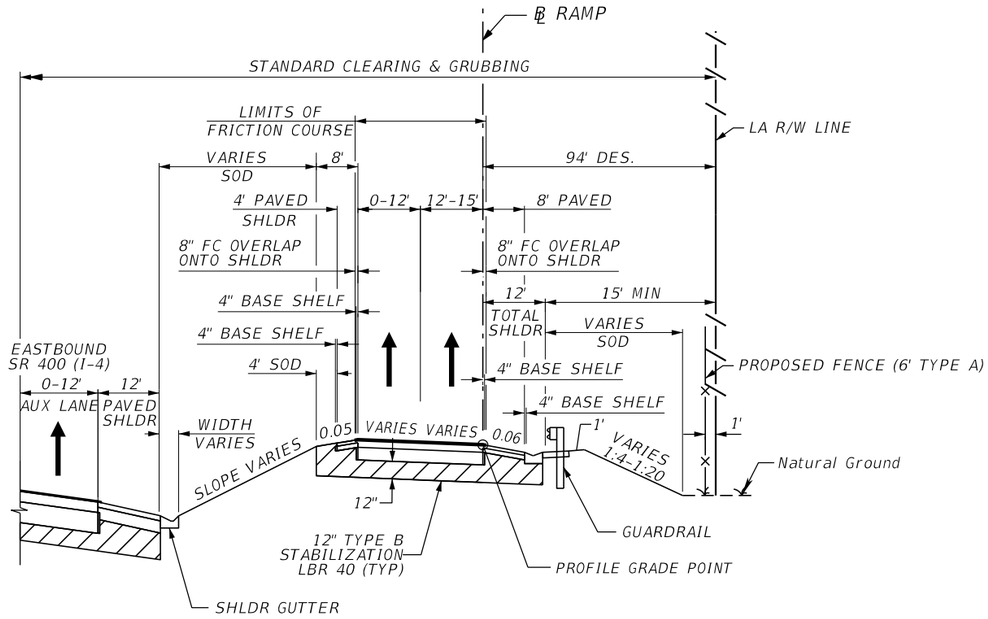
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

1 LANE RAMP TYPICAL SECTION

SHEET NO. 37

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:28:00 AM c:\pwworking\aecom_na\rmartini\d0164997\TYPSRD06.DGN



TYPICAL SECTION #7
SR 400 (I-4) TWO LANE RAMP

TYPICAL SECTION NOTES:
1. SEE RAMP PROFILE SHEETS FOR RAMP SLOPES.
2. SEE TYPICAL SECTION DETAILS FOR ADDITIONAL PARTIAL TYPICAL SECTIONS.

NEW CONSTRUCTION (HIGH ESAL)

OPTIONAL BASE GROUP 11 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (4")
USE MODIFIED ASPHALT BINDER (PG 76-22) IN TOP LAYER
AND FRICTION COURSE (FC-5) (3/4") (PG 76-22)
PER FDOT STD PLANS INDEX 400-090 PLACE FRICTION COURSE (FC-5) (1.75") (PG 76-22)
OVERLAY ON APPROACH SLABS

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 04 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")

RAMP	STATION RANGE	MOVEMENT	DESIGN SPEED (MPH)
IC_DCP	600+50.37 - 622+91.08	DCP TO EB_I4	20-50

TRAFFIC DATA

CURRENT YEAR = 2017 AADT = 17,800
ESTIMATED OPENING YEAR = 2020 AADT = 18,840
ESTIMATED DESIGN YEAR = 2040 AADT = 22,660
K = 7.4% D = 100% T = 10.8% (24 HOUR)
DESIGN HOUR T = 5.4%

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

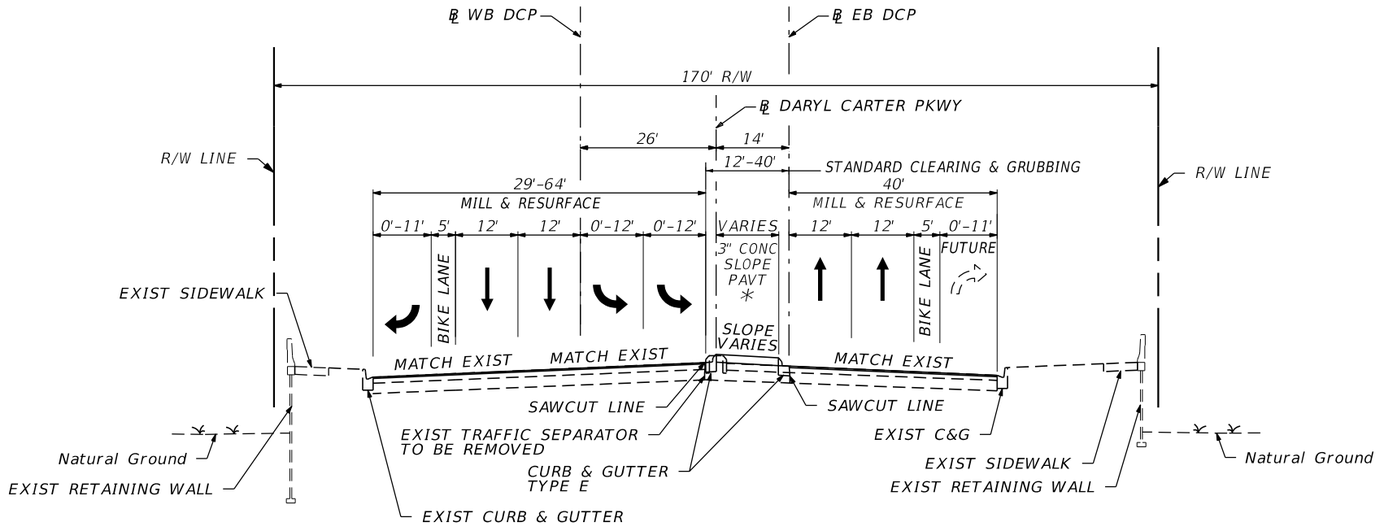
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

2 LANE RAMP
TYPICAL SECTION

SHEET NO. 38

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:28:03 AM c:\pwworking\aecom_na\rmartini\d0164997\TYPSRD07.DGN



TYPICAL SECTION #8

℄ DARYL CARTER PKWY STA. 104+14.91 to STA. 109+70.77

* TRAFFIC SEPARATOR FROM STA 104+17.70 TO ISTA 106+34.03

MILL & RESURFACE

MILL EXIST PAVEMENT 1.5"

RESURFACE FRICTION COURSE (FC-12.5) (TRAFFIC C) (1.5") (PG 76-22)

TRAFFIC DATA

CURRENT YEAR = 2017 AADT = 29,560
ESTIMATED OPENING YEAR = 2020 AADT = 31,290
ESTIMATED DESIGN YEAR = 2040 AADT = 37,390
K = 7.4% D = 53.66% T = 10.8% (24 HOUR)
DESIGN HOUR T = 5.4%
DESIGN SPEED = 40 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

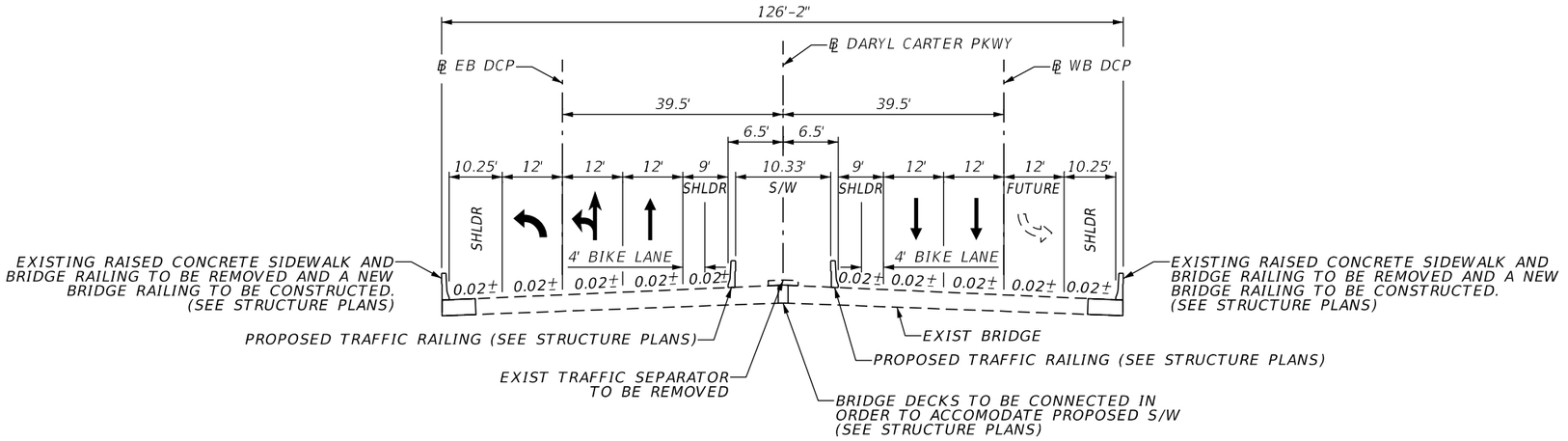
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY
TYPICAL SECTION

SHEET NO. 39

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:28:07 AM c:\pwworking\aecom_na\rmartini\d0164997\TYPSRD08.DGN



TYPICAL SECTION #9 - EXISTING BRIDGE AND APPROACH SLAB MODIFICATION

℄ DARYL CARTER PKWY STA. 109+70.77 to STA. 114+30.77

(DIVERGING DIAMOND INTERCHANGE)

NOTE:
MILL EXISTING 1.75" ASPHALT OVERLAY ON EXISTING APPROACH SLABS AND RESURFACE WITH FRICTION COURSE (FC-12.5) (TRAFFIC C) (1.75") (PG 76-22)

TRAFFIC DATA

CURRENT YEAR = 2017 AADT = 29,560
ESTIMATED OPENING YEAR = 2020 AADT = 31,290
ESTIMATED DESIGN YEAR = 2040 AADT = 37,390
K = 7.4% D = 53.66% T = 10.8% (24 HOUR)
DESIGN HOUR T = 5.4%
DESIGN SPEED = 40 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL, 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

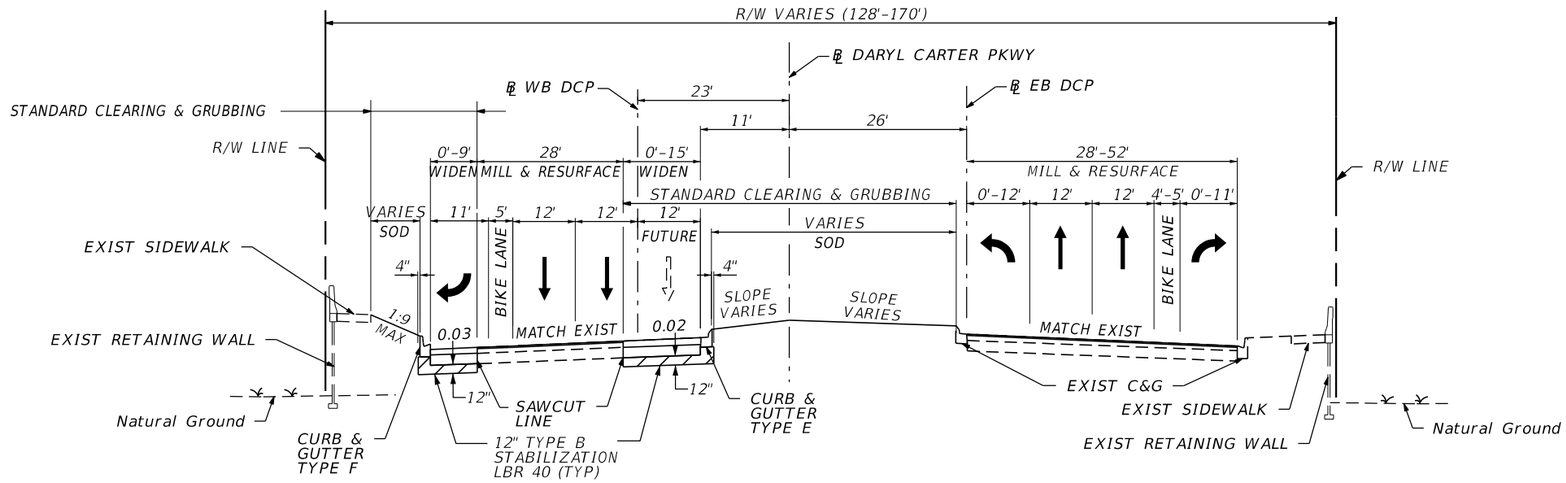
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY
TYPICAL SECTION

SHEET NO. 40

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:28:10 AM c:\pwworking\aecom_na\rmartini\d0164997\TYPSRD09.DGN



TYPICAL SECTION #10

℄ DARYL CARTER PKWY STA. 114+30.77 to STA. 121+98.00

WIDEN

OPTIONAL BASE GROUP 10 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2.5")
AND FRICTION COURSE (FC-12.5) (TRAFFIC C) (1.5") (PG 76-22)

MILL & RESURFACE

MILL EXIST PAVEMENT 1.5"
RESURFACE FRICTION COURSE (FC-12.5) (TRAFFIC C) (1.5") (PG 76-22)

TRAFFIC DATA

CURRENT YEAR = 2017 AADT = 29, 560
ESTIMATED OPENING YEAR = 2020 AADT = 31,240
ESTIMATED DESIGN YEAR = 2040 AADT = 37,390
K = 7.4% D = 53.66% T = 10.8% (24 HOUR)
DESIGN HOUR T = 5.4%
DESIGN SPEED = 40 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

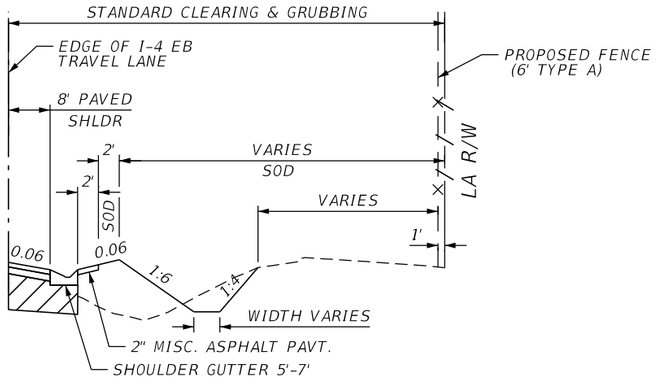
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY
TYPICAL SECTION

SHEET NO. 41

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

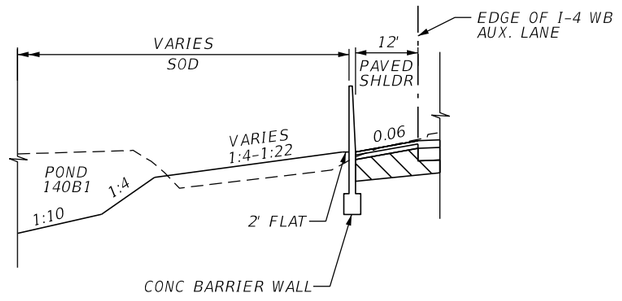
robert.martini 8/22/2019 10:28:13 AM c:\pwworking\aecom_na\r.martini\d0164997\TYPSRD10.DGN



PARTIAL SECTION

SHLDR GUTTER W/MISC ASPHALT RT

℄ SURVEY SR 400 STA 619+92.33 - 625+99.74



PARTIAL SECTION

BARRIER WALL LT

℄ SURVEY SR 400 STA 636+88.13 - 645+68.21

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

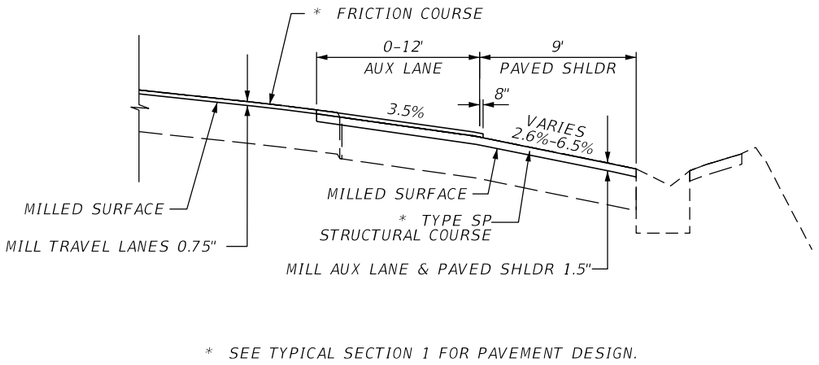
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
TYPICAL SECTION DETAILS

SHEET NO. 42

robert.martini 8/22/2019 10:28:17 AM c:\pwworking\aecom_na\rmartini\d0164997\TYPSRD11.DGN

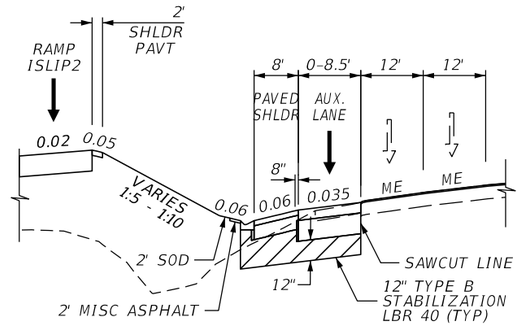


* SEE TYPICAL SECTION 1 FOR PAVEMENT DESIGN.

PARTIAL SECTION

MILL & RESURFACE WITH OVERBUILD RT

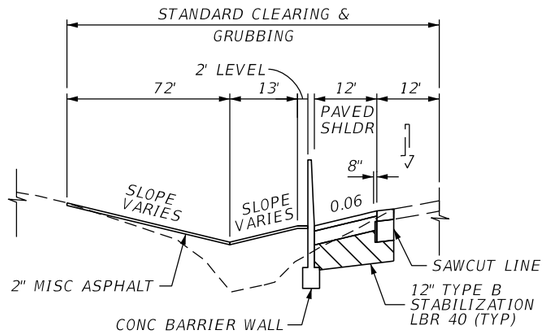
℄ SURVEY SR 400 (I-4) STA 556+79.97 TO STA 562+50.00



PARTIAL SECTION

SHLDR GUTTER W/MISC ASPHALT LT

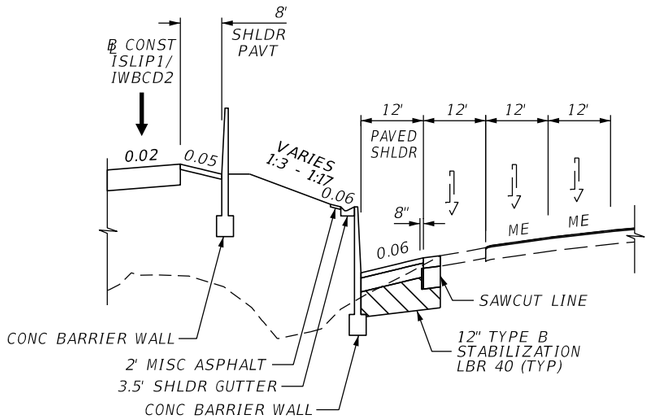
℄ SURVEY SR 400 (I-4) STA 681+99.83 to STA 686+40.00



PARTIAL SECTION

BARRIER WALL W/MISC ASPHALT

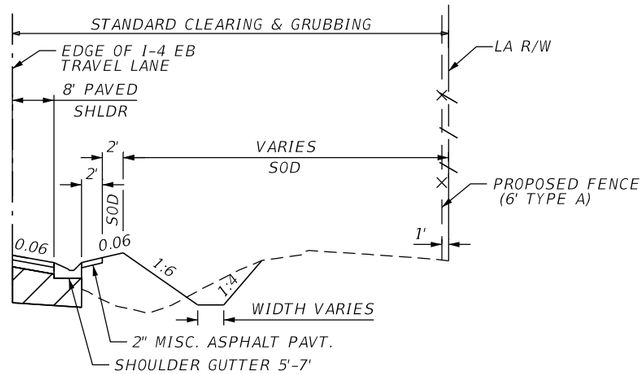
℄ SURVEY SR 400 (I-4) STA 644+33.18 TO STA 645+59.56



PARTIAL SECTION

BARRIER WALL W/SHOULDER GUTTER LT

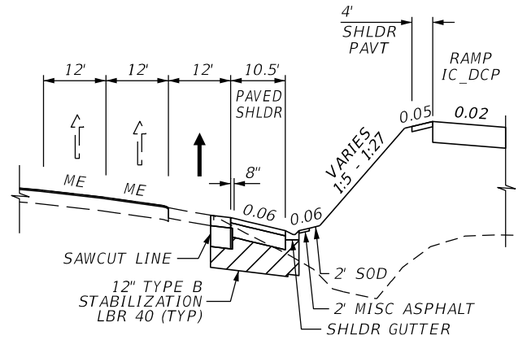
℄ SURVEY SR 400 (I-4) STA 651+69.52 TO STA 660+97.66



PARTIAL SECTION

SHLDR GUTTER W/MISC ASPHALT RT

℄ SURVEY SR 400 STA 619+92.33 - 625+99.74



PARTIAL SECTION

SHOULDER GUTTER W/MISC ASPHALT RT

℄ SURVEY SR 400 (I-4) STA 657+65.48 TO STA 662+71.33

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

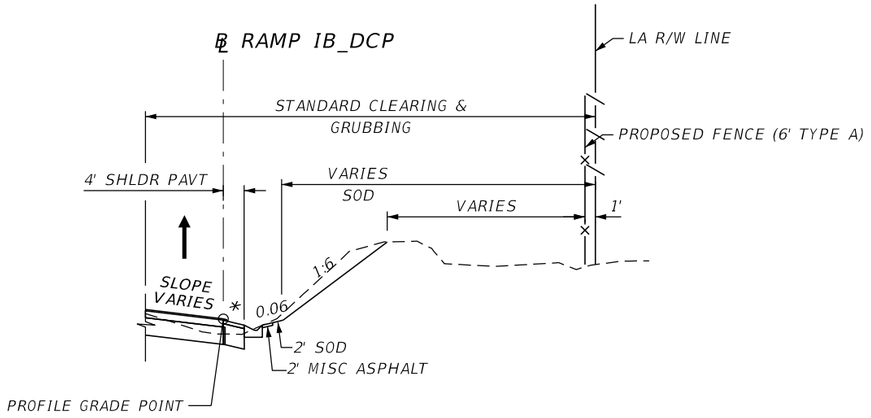
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
TYPICAL SECTION DETAILS

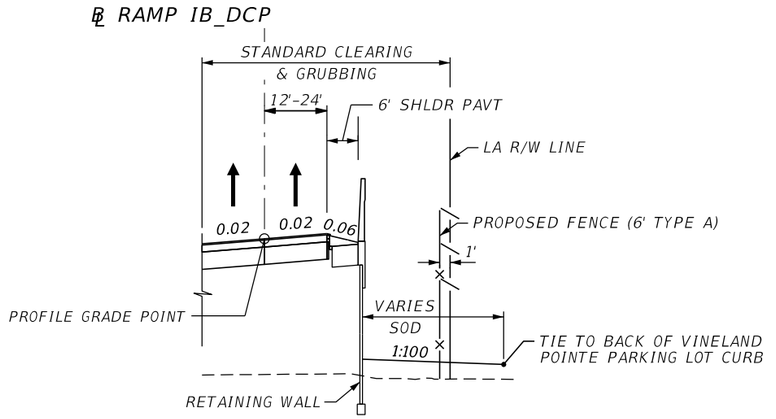
SHEET NO. 43



PARTIAL SECTION

SHLDR GUTTER W/MISC ASPHALT RT

℄ RAMP IB_DCP STA 496+46.69 TO 502+53.45

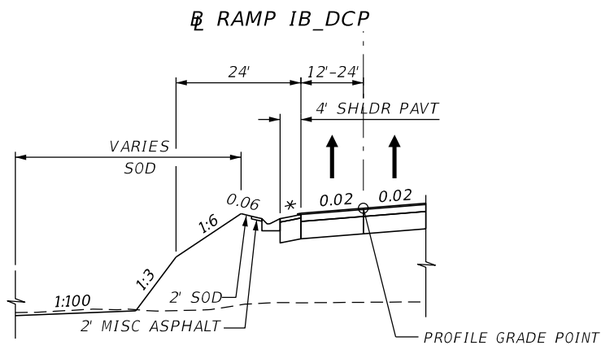


PARTIAL SECTION

RETAINING WALL RT

℄ RAMP IB_DCP STA 506+40.00 TO 514+83.06

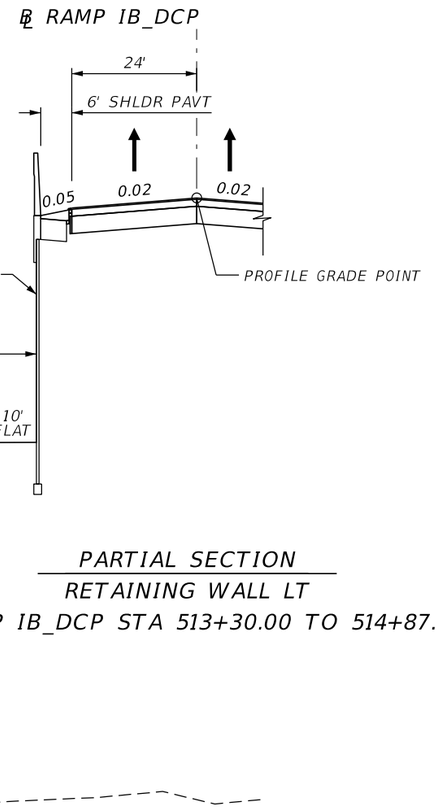
* SHOULDER PAVEMENT DESIGN AND CROSS SLOPE TO MATCH TRAVEL LANES.



PARTIAL SECTION

SHLDR GUTTER W/MISC ASPHALT LT

℄ RAMP IB_DCP STA 506+92.43 TO 511+83.73



PARTIAL SECTION

RETAINING WALL LT

℄ RAMP IB_DCP STA 513+30.00 TO 514+87.46

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

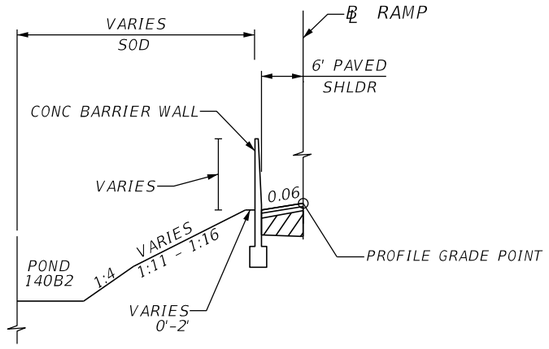
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IB DCP TYPICAL SECTION DETAILS

SHEET NO. 44

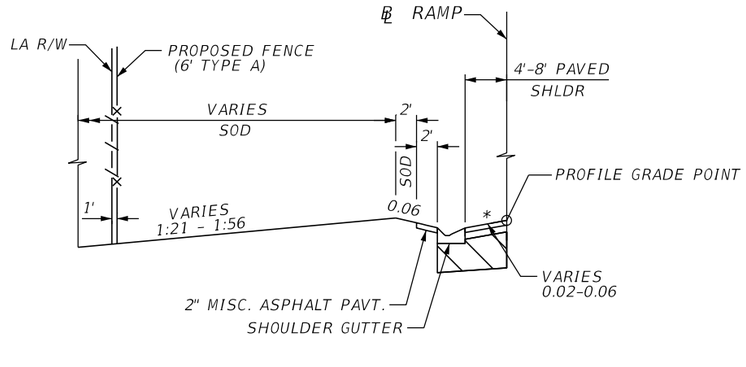
robert.martini 8/22/2019 10:28:24 AM c:\pwworking\aecom_na\rmartini\d0164997\TYPSRD13.DGN



PARTIAL SECTION

BARRIER WALL LT

℄ RAMP ISLIP1 STA 100+00.00 - 107+50.00

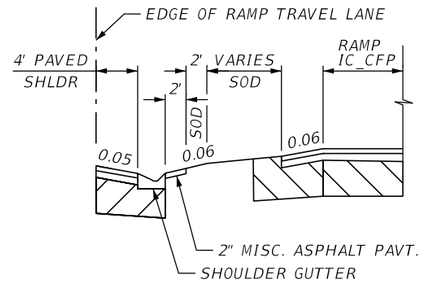


PARTIAL SECTION

SHLDR GUTTER W/MISC ASPHALT LT

℄ RAMP IA_CFP STA 300+00.00 - 308+00.00

* SHOULDER PAVEMENT DESIGN AND CROSS SLOPE TO MATCH TRAVEL LANE WHERE SHOULDER WIDTH IS LESS THAN 6 FT.



PARTIAL SECTION

SHLDR GUTTER W/MISC ASPHALT RT

℄ RAMP IA_CFP STA 305+34.00 - 308+00.00

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

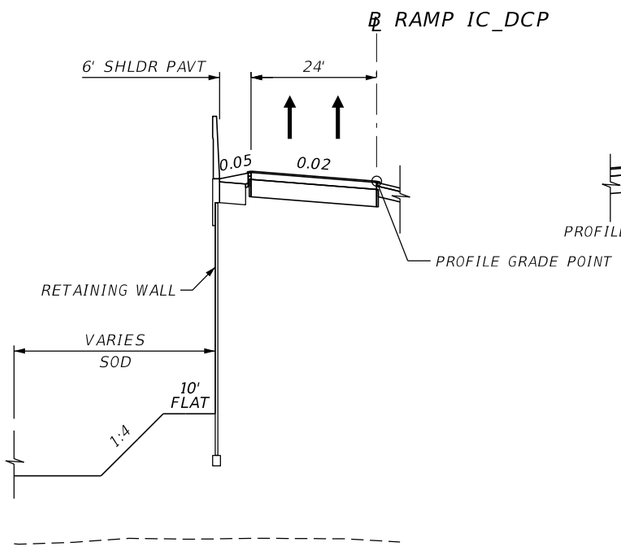
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

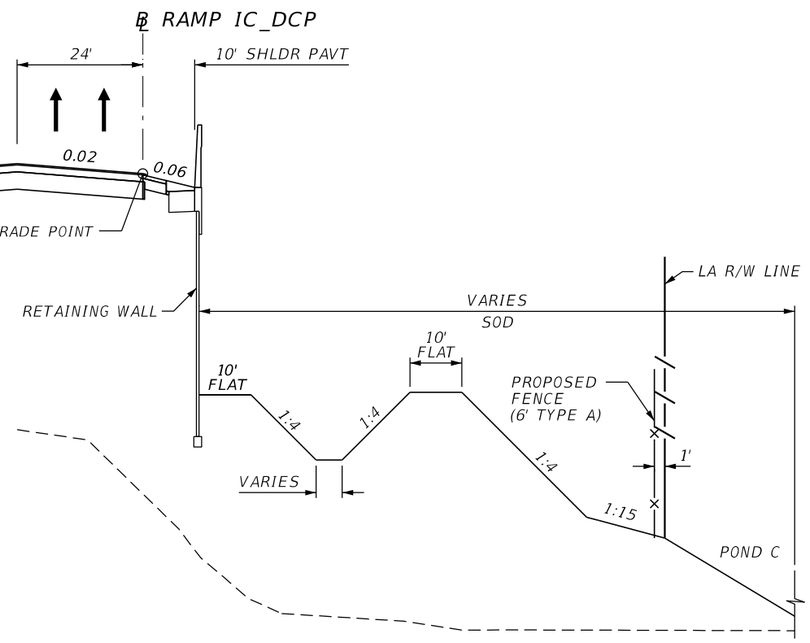
RAMP IA_CFP / ISLIP1 TYPICAL SECTION DETAILS

SHEET NO. 45

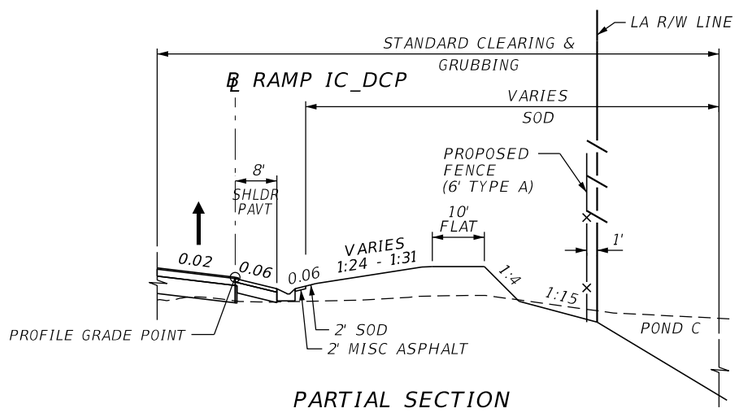
robert.martini 8/22/2019 10:28:27 AM c:\pwworking\aecom_na\rmartini\d0164997\TYPSRD14.DGN



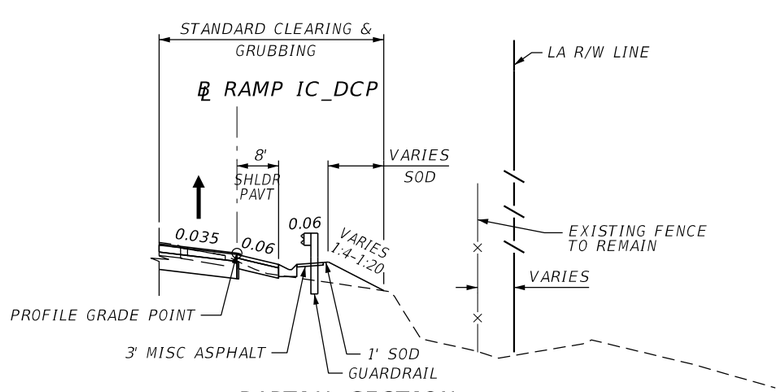
PARTIAL SECTION
RETAINING WALL LT
℄ RAMP IC_DCP STA 600+73.69 TO 604+32.00
℄ RAMP IC_DCP STA 610+55.00 TO 613+19.83



PARTIAL SECTION
RETAINING WALL RT
℄ RAMP IC_DCP STA 600+75.97 TO 604+32.00 (DITCH ONLY)
℄ RAMP IC_DCP STA 610+55.00 TO 614+00.00



PARTIAL SECTION
SHLDR GUTTER W/MISC ASPHALT RT
℄ RAMP IC_DCP STA 614+00.00 TO 618+11.64



PARTIAL SECTION
GUARDRAIL RT
℄ RAMP IC_DCP STA 618+11.64 TO 625+14.72

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

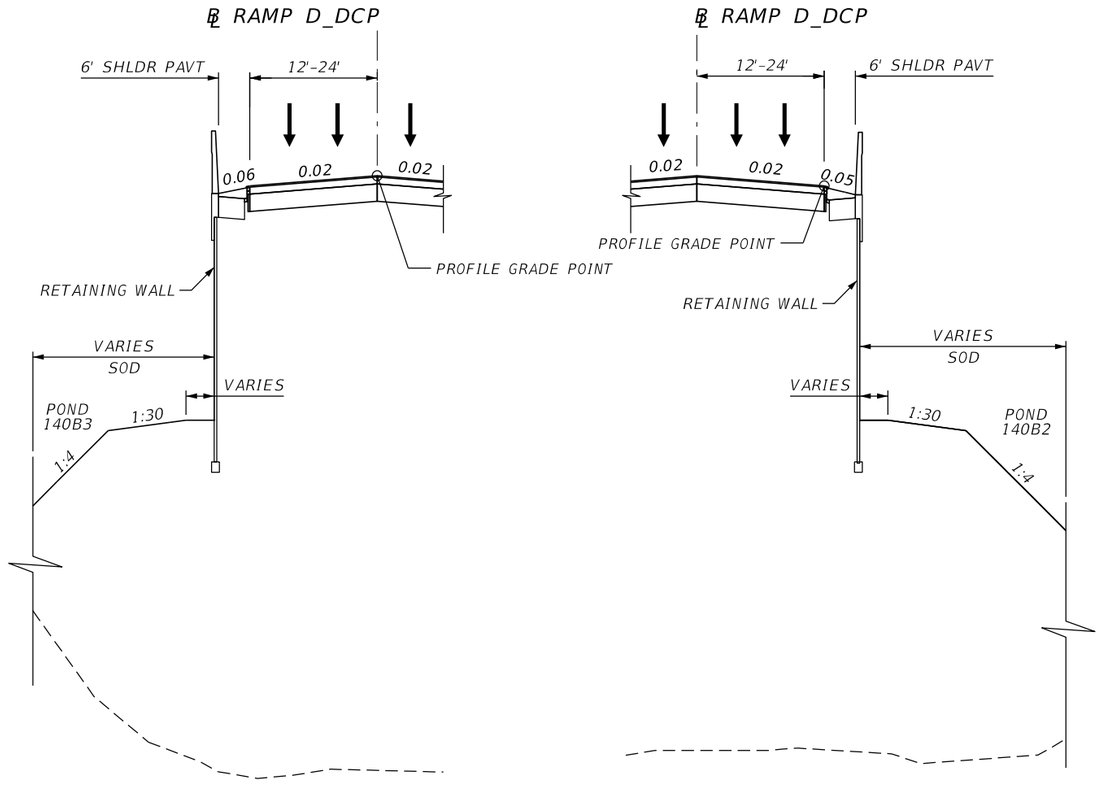
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IC DCP
TYPICAL SECTION DETAILS

SHEET NO. 46

robert.martini 8/22/2019 10:28:30 AM c:\pwworking\aecom_na\rmartini\d0164997\TYPSRD15.DGN



PARTIAL SECTION

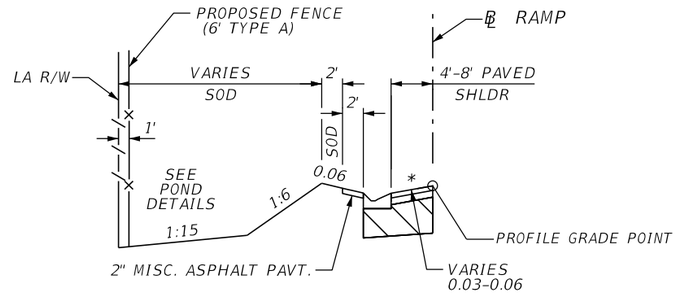
RETAINING WALL LT

℄ RAMP D_DCP STA 700+72.99 TO 707+80.00

PARTIAL SECTION

RETAINING WALL RT

℄ RAMP D_DCP STA 700+72.99 TO 707+80.00

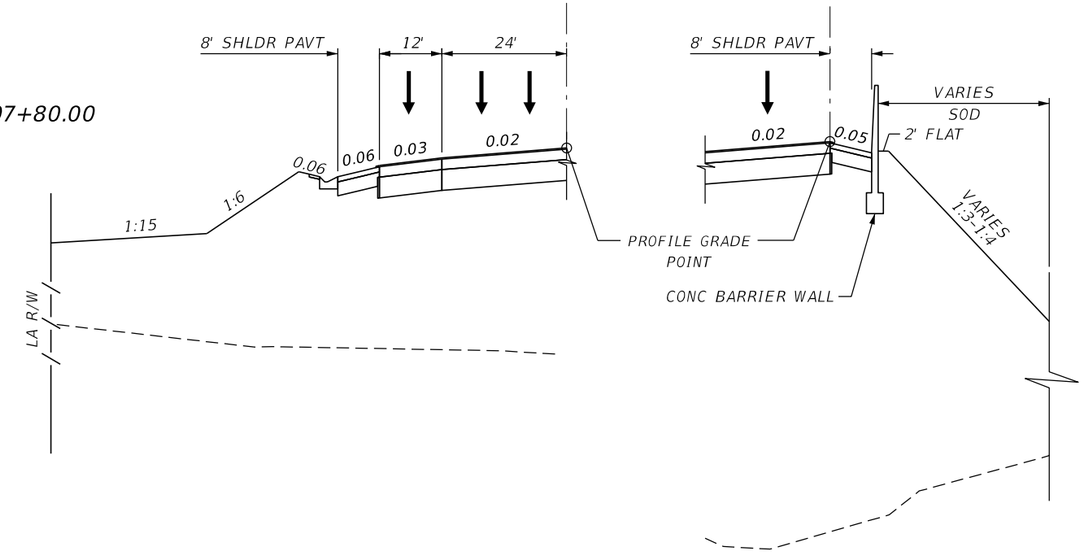


PARTIAL SECTION

SHLDR GUTTER W/MISC ASPHALT LT

℄ RAMP D_DCP STA 710+80.30 - 717+26.89

* SHOULDER PAVEMENT DESIGN AND CROSS SLOPE TO MATCH TRAVEL LANE WHERE SHOULDER WIDTH IS LESS THAN 6 FT.



PARTIAL SECTION

SHOULDER GUTTER W/MISC ASPHALT LT

℄ CONST IWBCD2 STA 7070+48.53 TO 7078+70.88

PARTIAL SECTION

BARRIER WALL RT

℄ CONST IWBCD2 STA 7070+48.53 TO 7078+70.88

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

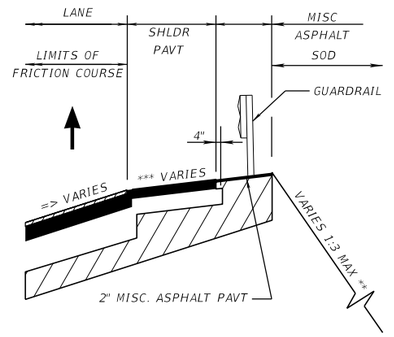
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP D DCP / IWBCD2 TYPICAL SECTION DETAILS

SHEET NO. 47

SUMMARY OF NON-STANDARD SHOULDER SUPERELEVATION

	STATION	TO	STATION	BASELINE	DIRECTION	LOCATION	TRANSITION DESCRIPTION	REMARKS
	629+96.00	TO	630+96.00	SR 400	EB	RT	e = (-) 0.035 TO e = (-) 0.060	
	625+57.00	TO	626+57.00	SR 400	EB	RT	e = (-) 0.060 TO e = (-) 0.035	
	626+57.00	TO	629+15.00	SR 400	EB	RT	e = (-) 0.035	
	663+19.00	TO	664+19.00	SR 400	EB	RT	e = (-) 0.050 TO e = (-) 0.035	
	651+17.00	TO	652+17.00	SR 400	WB	LT	e = (-) 0.0275 TO e = (-) 0.060	
	685+60.00	TO	686+60.00	SR 400	WB	LT	e = (-) 0.060 TO e = (-) 0.033	
	499+61.88	TO	500+61.88	RAMP IB_DCP	EB	RT	e = (-)0.035 TO e = (-) 0.030	
	500+61.88	TO	503+00.00	RAMP IB_DCP	EB	RT	e = (-) 0.030	
	503+00.00	TO	504+00.00	RAMP IB_DCP	EB	RT	e = (-) 0.030 TO e = (-)0.060	
•••	500+43.00	TO	501+43.00	RAMP IB_DCP	EB	LT	e = (+) 0.035 TO e = (-)0.040	
	505+92.00	TO	506+92.00	RAMP IB_DCP	EB	LT	e = (-) 0.050 TO e = (-) 0.0174	
	512+30.00	TO	513+30.00	RAMP IB_DCP	EB	LT	e = (-) 0.020 TO e = (-) 0.050	
•••	603+00.00	TO	604+00.00	RAMP IC_DCP	EB	LT	e = (-) 0.050 TO e = (+) 0.020	
	604+00.00	TO	604+02.00	RAMP IC_DCP	EB	LT	e = (+) 0.020	
	603+00.00	TO	604+00.00	RAMP IC_DCP	EB	RT	e = (-) 0.060 TO e = (-) 0.020	
	604+00.00	TO	604+02.00	RAMP IC_DCP	EB	RT	e = (-) 0.020	
	610+85.00	TO	612+00.00	RAMP IC_DCP	EB	LT	e = (+) 0.020	
•••	612+00.00	TO	613+00.00	RAMP IC_DCP	EB	LT	e = (+) 0.020 TO e = (-) 0.050	
	610+85.00	TO	611+00.00	RAMP IC_DCP	EB	RT	e = (+) 0.020	
	611+00.00	TO	612+00.00	RAMP IC_DCP	EB	RT	e = (-) 0.020 TO e = (-) 0.060	
•••	616+40.00	TO	617+40.00	RAMP IC_DCP	EB	LT	e = (-) 0.050 TO e = (+) 0.020	
	617+40.00	TO	618+37.19	RAMP IC_DCP	EB	LT	e = (+) 0.020	
	618+37.19	TO	619+37.19	RAMP IC_DCP	EB	LT	e = (+) 0.020 TO e = (+) 0.035	
	706+80.00	TO	707+80.00	RAMP D_DCP	WB	LT	e = (-) 0.060 TO e = (-) 0.0514	
•••	709+80.00	TO	710+80.00	RAMP D_DCP	WB	RT	e = (-) 0.050 TO e = (+) 0.020	
	710+80.00	TO	711+00.00	RAMP D_DCP	WB	RT	e = (+) 0.020	
	714+50.00	TO	715+50.00	RAMP D_DCP	WB	LT	e = (-) 0.030 TO e = (-) 0.060	
	104+00.00	TO	105+00.00	ISLIP1	WB	LANE	e = (+) 0.035	
•••	105+00.00	TO	106+00.00	ISLIP1	WB	LANE	e = (-) 0.035 TO e = (+) 0.020	
•••	105+49.00	TO	106+49.00	ISLIP1	WB	RT	e = (+) 0.0275 TO e = (-) 0.050	
	106+50.00	TO	107+50.00	ISLIP1	WB	LT	e = (-) 0.060 TO e = (-) 0.020	
	213+00.00	TO	214+00.00	ISLIP2	WB	LANE	e = (+) 0.020 TO e = (+) 0.035	
	214+00.00	TO	215+44.00	ISLIP2	WB	LANE	e = (+) 0.035	
	207+37.00	TO	208+37.00	ISLIP2	WB	LT	e = (-) 0.020 TO e = (-) 0.060	
•••	212+40.00	TO	213+40.00	ISLIP2	WB	RT	e = (-) 0.050 TO e = (+) 0.033	
	213+40.00	TO	214+57.00	ISLIP2	WB	RT	e = (+) 0.033	
•••	7087+73.00	TO	7088+73.00	IWBCD2	WB	RT	e = (+) 0.020 TO e = (-) 0.050	
•••	305+06.00	TO	306+06.00	RAMP IA_CFP	WB	RT	e = (+) 0.020 TO e = (-) 0.050	
	308+00.00	TO	309+00.00	RAMP IA_CFP	WB	LT	e = (-) 0.020 TO e = (-) 0.060	
	405+07.00	TO	406+07.00	RAMP IC_CFP	WB	LT	e = (-) 0.020 TO e = (-) 0.060	



SHOULDER HIGH SIDE OF SUPERELEVATION

GUARDRAIL ADJACENT TO SHOULDER SHOWN, APPLIES TO BARRIER WALL AND FLUSH SHOULDER AS WELL.

••• PROVIDE A 20' LONG VERTICAL TRANSITION OF THE SHOULDER PAVEMENT STRUCTURAL SECTION FROM 0.75" BELOW THE TOP OF THE HIGH SIDE FRICTION COURSE, TO FLUSH WITH THE TOP OF THE FRICTION COURSE. END THE VERTICAL SHOULDER PAVEMENT TRANSITION WHEN THE HIGH SIDE SHOULDER PAVEMENT CROSS SLOPE EQUALS 0% AND KEEP IT FLUSH WITH THE FRICTION COURSE THROUGH THE FULL SUPER DISTANCE.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TYPICAL SECTION
NON STANDARD SE

SHEET NO. 48

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)												TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	ADJUST	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	BSL201	606+92.58	PND141	RT.	Inlet, Pipe	1			261.00																						1			
F																																		
P	BSL202	609+05.84	PND141	RT.	Inlet, Pipe	1					190.00																				1			
F																																		
P	BSL203	610+51.89	PND141	LT.	MH, Pipe, MES	1					69.00													1										
F																																		
P	BSL204	612+55.40	PND141	RT.	Inlet, Pipe	1	141.00																								1			
F																																		
P	BSL205	613+99.80	PND141	RT.	Manhole, Pipe	1	105.00																1											
F																																		
P	BSL206	615+07.50	PND141	RT.	Inlet, Pipe	1		301.00																							1			
F																																		
P	BSL207	618+11.00	PND141	LT.	Inlet, Pipe	1		188.00																							1			
F																																		
P	BSL208	620+03.20	PND141	LT.	Manhole, Pipe	1			238.00															1										
F																																		
P	BSL209	622+46.62	PND141	LT.	Inlet, Pipe	1			212.00																						1			
F																																		
P	BSL210	624+61.62	PND141	LT.	Manhole, Pipe	1			224.00														1											
F																																		
P	BSL211	626+88.65	PND141	LT.	Inlet, Pipe	1			204.00																						1			
F																																		
P	BSL212	628+95.40	PND141	LT.	Manhole, Pipe	1			185.00														1											
F																																		
P	BSL213	630+83.92	PND141	LT.	Inlet, Pipe	1			226.00																						1			
F																																		
P	BSL214	633+12.88	PND141	LT.	Inlet, Pipe	1			242.00																						1			
F																																		
P	BSL215	635+57.37	PND141	LT.	Inlet, Pipe	1			131.00																						1			
F																																		
P	BSL216	637+37.89	PND141	LT.	Manhole, Pipe	1										11.00								1										
F																																		
P	BSL216A	636+92.80	PND141	LT.	Manhole, Pipe	1			33.00															1										
F																																		
P	BSL217	637+99.98	PND141	RT.	Inlet, Pipe	1	71.00																									1		
F																																		
P	CS-140B3A	610+02.34	PND141	RT.	Inlet, Pipe	1	162.00																											1
F																																		
Sheet Summary					P Total		479.0	490.0	1956.0	0	260.0	0	0	0	0	11.00	0	0	0	0	0	0	3	4	0	0	0	0	0	0	8	1	2	0	0	1
					F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 49

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)									STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																	
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	BSL201	606+92.58	PND141	RT.																				ALT. B 5.0'x5.0'
F																								
P	BSL202	609+05.84	PND141	RT.																				ALT. B 6.0'x5.0'
F																								
P	BSL203	610+51.89	PND141	LT.									1											ALT. A 8.0' DIA; MES 1:2
F																								
P	BSL204	612+55.40	PND141	RT.																				
F																								
P	BSL205	613+99.80	PND141	RT.																				ALT. B 4.0'x5.0'
F																								
P	BSL206	615+07.50	PND141	RT.																				
F																								
P	BSL207	618+11.00	PND141	LT.																				
F																								
P	BSL208	620+03.20	PND141	LT.																				ALT. B 4.0'x5.0'
F																								
P	BSL209	622+46.62	PND141	LT.																				
F																								
P	BSL210	624+61.62	PND141	LT.																				ALT. B 4.0'x5.0'
F																								
P	BSL211	626+88.65	PND141	LT.																				
F																								
P	BSL212	628+95.40	PND141	LT.																				ALT. B 4.0'x5.0'
F																								
P	BSL213	630+83.92	PND141	LT.																				
F																								
P	BSL214	633+12.88	PND141	LT.																				
F																								
P	BSL215	635+57.37	PND141	LT.																				
F																								
P	BSL216	637+37.89	PND141	LT.																				ALT. B 4.0'x8.0'
F																								
P	BSL216A	636+92.80	PND141	LT.																				ALT. A 6.0' DIA
F																								
P	BSL217	637+99.98	PND141	RT.																				
F																								
P	CS-140B3A	610+02.34	PND141	RT.																				SEE CONTROL STRUCTURE DETAIL
F																								
Sheet Summary	P Total				0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
	F Total				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 50

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)												TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	ADJUST	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	CS-140B3B	611+11.33	PND141	RT.	MES																														
F																																			
P	CS_141B1	613+99.45	PND141	RT.	Inlet, Pipe	1	10.00																											1	
F																																			
P	CS_141B2	620+03.13	PND141	LT.	Inlet, Pipe	1	11.00																											1	
F																																			
P	CS_141B3	626+88.51	PND141	RT.	Inlet, Pipe	1	39.00																											1	
F																																			
P	CS_141B4	638+62.23	PND141	RT.	Inlet, Pipe	1	65.00																											1	
F																																			
P	CS-142B1	1015+61.62	POND142	RT.	Inlet, Pipe	1	45.00																											1	
F																																			
P	CS-142B2	1015+61.62	POND142	LT.	Manhole, Pipe	1	268.00														1														
F																																			
P	CS-142B3	1018+30.29	POND142	LT.	EW																														
F																																			
P	FPC141A	637+21.18	PND141	RT.	MES, Pipe	1			13.00																										
F																																			
P	FPC141B	637+29.70	PND141	LT.	Manhole, Pipe	1										17.00								1											
F																																			
P	NBSL0140	637+43.48	PND141	LT.	Manhole, Pipe	1										8.00								1											
F																																			
P	S-100C	115+54.69	CL_DCP	RT.	Inlet, Pipe	1	30.00												1																
F																																			
P	S-101A	570+00.00	BL400	RT.	Inlet, Pipe	1	96.00																												
F																																			
P	S-101C	115+54.22	CL_DCP	RT.	Manhole, Pipe	1		8.00														1												
F																																			
P	S-102A	571+00.00	BL400	RT.	Inlet, Pipe	1	96.00																												
F																																			
P	S-102C	115+54.27	CL_DCP	LT.	Inlet, Pipe	1	32.00												1																
F																																			
P	S-103A	572+00.00	BL400	RT.	Inlet, Pipe	1	96.00																												
F																																			
P	S-103C	116+26.50	CL_DCP	RT.	Manhole, Pipe	1		16.00														1												
F																																			
P	S-104A	573+00.00	BL400	RT.	Inlet, Pipe	1		96.00																											
F																																			
Sheet Summary				P Total			788.0	120.0	13.0	0	0	0	0	0	0	25.0	0	0	2	0	1	2	0	2	0	0	0	0	0	0	0	0	0	5	0
				F Total			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 51

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)									STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																	
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	CS-140B3B	611+11.33	PND141	RT.					1															1:4
F																								
P	CS_141B1	613+99.45	PND141	RT.																				SEE CONTROL STRUCTURE DETAIL
F																								
P	CS_141B2	620+03.13	PND141	LT.																				SEE CONTROL STRUCTURE DETAIL
F																								
P	CS_141B3	626+88.51	PND141	RT.																				SEE CONTROL STRUCTURE DETAIL
F																								
P	CS_141B4	638+62.23	PND141	RT.																				SEE CONTROL STRUCTURE DETAIL
F																								
P	CS-142B1	1015+61.62	POND142	RT.																				SEE CONTROL STRUCTURE DETAIL
F																								
P	CS-142B2	1015+61.62	POND142	LT.																				
F																								
P	CS-142B3	1018+30.29	POND142	LT.														1.56			16.0			18" CONC. ENDWALL; RUBBLE RIP RAP
F																								
P	FPC141A	637+21.18	PND141	RT.							1													1:4
F																								
P	FPC141B	637+29.70	PND141	LT.																				ALT. B 5.0'x8.0'
F																								
P	NBSL0140	637+43.48	PND141	LT.																				ALT. B 4.0'x8.0'; 38"X60" CONCRETE JACKET CONNECTION
F																								
P	S-100C	115+54.69	CL_DCP	RT.																				ALT. A 4.00' DIA
F																								
P	S-101A	570+00.00	BL400	RT.	1																			
F																								
P	S-101C	115+54.22	CL_DCP	RT.																			19.0	ALT. A 4.00' DIA; 118-LF OF 18" FLOWABLE FILL; 97-LF OF 24" FLOWABLE FILL
F																								
P	S-102A	571+00.00	BL400	RT.	1																			
F																								
P	S-102C	115+54.27	CL_DCP	LT.																				ALT. A 4.00' DIA
F																								
P	S-103A	572+00.00	BL400	RT.	1																			
F																								
P	S-103C	116+26.50	CL_DCP	RT.																				ALT. A 4.00' DIA; TWO 24" CONCRETE COLLAR CONNECTIONS
F																								
P	S-104A	573+00.00	BL400	RT.	1																			
F																								
Sheet Summary			P Total		4	0	0	0	1	0	1	0	0	0	0	0	0	1.56	0	0	16.0	0	19.0	
			F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 52

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)												TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	ADJUST	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-104C	116+26.50	CL_DCP	LT.	Inlet, Pipe	1	65.00												1																	
F																																			
P	S-105A	574+00.00	BL400	RT.	Inlet, Pipe	1		97.00																												
F																																			
P	S-105C	116+76.70	CL_DCP	RT.	Inlet, Pipe	1	56.00												1																	
F																																			
P	S-106A	575+01.23	BL400	RT.	Inlet, Pipe	1						16.00																								
F																																			
P	S-106C	116+76.70	CL_DCP	RT.	Manhole, Pipe	1		16.00														1													
F																																			
P	S-107A	576+08.01	BL400	RT.	Inlet, Pipe	1	102.00																												
F																																			
P	S-108E	118+17.06	CL_DCP	LT.	Manhole																					1									
F																																			
P	S-109A	577+00.00	BL400	RT.	Inlet, Pipe	1	96.00																												
F																																			
P	S-109C	118+17.02	CL_DCP	LT.	Inlet, Pipe	1	65.00												1																	
F																																			
P	S-110A	578+00.00	BL400	RT.	Inlet, Pipe	1	18.00																												
F																																			
P	S-110C	120+02.57	CL_DCP	LT.	Manhole, Pipe	1	163.00														1														
F																																			
P	S-111A	578+00.00	BL400	RT.	EW																														
F																																			
P	S-111C	120+02.57	CL_DCP	LT.	Inlet, Pipe	1	65.00														1														
F																																			
P	S-112A	579+00.00	BL400	RT.	Inlet, Pipe	1	96.00																												
F																																			
P	S-113A	580+00.00	BL400	RT.	Inlet, Pipe	1	96.00																												
F																																			
P	S-113C	121+70.56	CL_DCP	LT.	Manhole, Pipe	1																		1											
F																																			
P	S-114A	620+00.00	BL400	RT.	Inlet, Pipe	1		25.00																											
F																																			
P	S-115A	620+00.00	BL400	RT.	EW																														
F																																			
P	S-116A	621+00.12	BL400	RT.	Inlet, Pipe	1		97.00																											
F																																			
	Sheet Summary				P Total		822.0	235.0	0	0	0	16.0	0	0	0	0	0	0	3	0	2	1	0	1	0	1	0	0	0	0	0	0	0	0	0
					F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 53

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)									STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																	
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	S-104C	116+26.50	CL_DCP	LT.																				ALT. A 4.00' DIA
F																								
P	S-105A	574+00.00	BL400	RT.	1																			
F																								
P	S-105C	116+76.70	CL_DCP	RT.																				ALT. A 4.00' DIA
F																								
P	S-106A	575+01.23	BL400	RT.			1																	ALT. B 4.0'X6.0'; TWO 48" CONCRETE COLLAR CONNECTIONS
F																								
P	S-106C	116+76.70	CL_DCP	RT.																				ALT. A 4.00' DIA
F																								
P	S-107A	576+08.01	BL400	RT.	1																			
F																								
P	S-108E	118+17.06	CL_DCP	LT.																				
F																								
P	S-109A	577+00.00	BL400	RT.	1																			
F																								
P	S-109C	118+17.02	CL_DCP	LT.																				ALT. A 4.00' DIA
F																								
P	S-110A	578+00.00	BL400	RT.	1																			
F																								
P	S-110C	120+02.57	CL_DCP	LT.																				ALT. A 4.00' DIA
F																								
P	S-111A	578+00.00	BL400	RT.														1.56						18" CONC. ENDWALL; 6" DITCH PAVEMENT
F																								
P	S-111C	120+02.57	CL_DCP	LT.																				ALT. A 4.00' DIA
F																								
P	S-112A	579+00.00	BL400	RT.	1																			
F																								
P	S-113A	580+00.00	BL400	RT.	1																			
F																								
P	S-113C	121+70.56	CL_DCP	LT.																				ALT. B 4.0'x7.0'; TWO 48" CONCRETE COLLAR CONNECTIONS
F																								
P	S-114A	620+00.00	BL400	RT.	1																			
F																								
P	S-115A	620+00.00	BL400	RT.															2.24					24" CONC. ENDWALL, 6" DITCH PAVEMENT
F																								
P	S-116A	621+00.12	BL400	RT.	1																			
F																								
Sheet Summary				P Total	8	0	1	0	0	0	0	0	0	0	0	0	0	1.56	2.24	0	0	0	0	
				F Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 54

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)												TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	ADJUST	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-117A	622+50.09	BL400	RT.	Inlet, Pipe	1		147.00																1											
F																																			
P	S-118A	624+00.01	BL400	RT.	Inlet, Pipe	1		146.00																											
F																																			
P	S-119A	625+50.00	BL400	RT.	Inlet, Pipe	1		146.00																											
F																																			
P	S-120A	497+00.00	IB_DCP	RT.	Inlet, Pipe	1		99.00																											
F																																			
P	S-121A	497+46.03	IB_DCP	RT.	Inlet, Pipe	1		43.00																											
F																																			
P	S-122A	498+00.00	IB_DCP	RT.	Inlet, Pipe	1		50.00																											
F																																			
P	S-123A	498+50.00	IB_DCP	RT.	Inlet, Pipe	1		46.00																											
F																																			
P	S-124A	499+00.00	IB_DCP	RT.	Inlet, Pipe	1	46.00																												
F																																			
P	S-125A	499+50.00	IB_DCP	RT.	Inlet, Pipe	1	46.00																												
F																																			
P	S-126A	500+00.00	IB_DCP	RT.	Inlet, Pipe	1	46.00																												
F																																			
P	S-127A	500+40.00	IB_DCP	RT.	Inlet, Pipe	1	36.00																												
F																																			
P	S-128A	501+00.00	IB_DCP	RT.	Inlet, Pipe	1	56.00																												
F																																			
P	S-129A	501+00.06	IB_DCP	LT.	Inlet, Pipe	1	27.00																										1		
F																																			
P	S-200A	638+60.58	BL400	LT.	Inlet, Pipe	1	12.00																						1						
F																																			
P	S-201A	640+60.61	BL400	LT.	Inlet, Pipe	1		6.00																					1						
F																																			
P	S-201E	107+64.26	CL_DCP	LT.	Manhole																					1									
F																																			
P	S-202C	638+60.62	BL400	LT.	Manhole, Pipe	1	196.00																1												
F																																			
P	S-203A	643+10.39	BL400	LT.	Inlet, Pipe	1		6.00																											
F																																			
P	S-203E	108+61.12	CL_DCP	LT.	Manhole, Pipe	1																				1									
F																																			
	Sheet Summary			P Total			467.0	687.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2	0	0	0	1	0	0	0	0	0
				F Total			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 55

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)									STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																	
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	S-117A	622+50.09	BL400	RT.	1																			
F																								
P	S-118A	624+00.01	BL400	RT.	1																			
F																								
P	S-119A	625+50.00	BL400	RT.	1																			
F																								
P	S-120A	497+00.00	IB_DCP	RT.	1																			
F																								
P	S-121A	497+46.03	IB_DCP	RT.	1																			
F																								
P	S-122A	498+00.00	IB_DCP	RT.	1																			
F																								
P	S-123A	498+50.00	IB_DCP	RT.	1																			
F																								
P	S-124A	499+00.00	IB_DCP	RT.	1																			
F																								
P	S-125A	499+50.00	IB_DCP	RT.	1																			
F																								
P	S-126A	500+00.00	IB_DCP	RT.	1																			
F																								
P	S-127A	500+40.00	IB_DCP	RT.	1																			
F																								
P	S-128A	501+00.00	IB_DCP	RT.	1																			
F																								
P	S-129A	501+00.06	IB_DCP	LT.																				
F																								
P	S-200A	638+60.58	BL400	LT.																				
F																								
P	S-201A	640+60.61	BL400	LT.																				
F																								
P	S-201E	107+64.26	CL_DCP	LT.																				
F																								
P	S-202C	638+60.62	BL400	LT.																				ALT. B 5.0'x4.0'
F																								
P	S-203A	643+10.39	BL400	LT.																				
F																								
P	S-203E	108+61.12	CL_DCP	LT.																				TWO 24" CONCRETE COLLAR CONNECTIONS
F																								
Sheet Summary			P Total		12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 56

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)												TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	ADJUST	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-204A	644+34.36	BL400	LT.	Inlet, Pipe	1	6.00																				1									
F																																				
P	S-205A	647+60.59	BL400	LT.	Inlet, Pipe	1		8.00																			1									
F																																				
P	S-206A	649+10.61	BL400	LT.	Inlet, Pipe	1		7.00																			1									
F																																				
P	S-206C	640+60.63	BL400	LT.	Manhole, Pipe	1		63.00															1													
F																																				
P	S-207C	640+60.62	BL400	LT.	MES																															
F																																				
P	S-211C	643+10.40	BL400	LT.	Manhole, Pipe	1		5.00																1												
F																																				
P	S-212C	643+10.46	BL400	LT.	Manhole, Pipe	2						866.00												1												
F																																				
P	S-213C	643+10.46	BL400	LT.	MES, Pipe	2						92.00																								
F																																				
P	S-215C	644+34.36	BL400	LT.	Manhole, Pipe	1	119.00																1													
F																																				
P	S-219C	647+60.57	BL400	LT.	Manhole, Pipe	1		4.00																1												
F																																				
P	S-220C	647+60.57	BL400	LT.	Manhole, Pipe	2						78.00												1												
F																																				
P	S-221C	647+59.81	BL400	LT.	MES																															
F																																				
P	S-224C	649+10.60	BL400	LT.	Manhole, Pipe	1		54.00																1												
F																																				
P	S-225C	649+10.46	BL400	LT.	MES																															
F																																				
P	S-226C	635+11.52	BL400	LT.	Inlet, Pipe	1	246.00																												1	
F																																				
P	S-229C	637+60.48	BL400	LT.	Inlet, Pipe	1	166.00																												1	
F																																				
P	S-232C	639+30.25	BL400	LT.	MES																															
F																																				
P	S-235C	639+45.09	BL400	LT.	MES																															
F																																				
P	S-236C	639+40.06	BL400	LT.	Manhole, Pipe	1	22.00														1															
F																																				
Sheet Summary					P Total		559.0	141.0	0	0	0	1036.0	0	0	0	0	0	0	0	0	0	1	0	2	5	0	0	3	0	0	0	2	0	0	0	0	0
					F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 57

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)								STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	S-204A	644+34.36	BL400	LT.																			
F																							
P	S-205A	647+60.59	BL400	LT.																			
F																							
P	S-206A	649+10.61	BL400	LT.																			WALL ZONE PIPE - STEEL
F																							
P	S-206C	640+60.63	BL400	LT.																			ALT. B 5.0'x4.0'
F																							
P	S-207C	640+60.62	BL400	LT.						1													1:2
F																							
P	S-211C	643+10.40	BL400	LT.																			ALT. B 5.0'x4.0'
F																							
P	S-212C	643+10.46	BL400	LT.																			ALT. B 18.0'x15.0'
F																							
P	S-213C	643+10.46	BL400	LT.										1									DOUBLE 1:2
F																							
P	S-215C	644+34.36	BL400	LT.																			ALT. B 5.0'x4.0'
F																							
P	S-219C	647+60.57	BL400	LT.																			ALT. B 5.0'x4.0'
F																							
P	S-220C	647+60.57	BL400	LT.																			ALT. B 18.0'x15.0'
F																							
P	S-221C	647+59.81	BL400	LT.										1									DOUBLE 1:2
F																							
P	S-224C	649+10.60	BL400	LT.																			ALT. B 5.0'x4.0'
F																							
P	S-225C	649+10.46	BL400	LT.						1													1:2
F																							
P	S-226C	635+11.52	BL400	LT.																			
F																							
P	S-229C	637+60.48	BL400	LT.																			
F																							
P	S-232C	639+30.25	BL400	LT.					1														1:4
F																							
P	S-235C	639+45.09	BL400	LT.					1														1:4
F																							
P	S-236C	639+40.06	BL400	LT.																			ALT. A 4.00' DIA
F																							
Sheet Summary				P Total	0	0	0	0	2	2	0	0	0	2	0	0	0	0	0	0	0	0	0	
				F Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 58

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)												TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	ADJUST	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-237C	639+37.19	BL400	LT.	Manhole, Pipe	1	13.00																1												
F																																		
P	S-242C	642+54.35	BL400	LT.	MES																														
F																																		
P	S-243C	642+52.29	BL400	LT.	Manhole, Pipe	1		20.00													1														
F																																		
P	S-244C	642+51.02	BL400	LT.	Manhole, Pipe	1	13.00																1												
F																																		
P	S-246C	643+53.18	BL400	LT.	Manhole, Pipe	1	97.00														1														
F																																		
P	S-247C	643+55.12	BL400	LT.	Manhole, Pipe	1	13.00																1												
F																																		
P	S-248C	643+62.14	BL400	LT.	Inlet, Pipe	1	67.00																										1			
F																																		
P	S-249C	643+85.18	BL400	LT.	Manhole, Pipe	1	31.00																1												
F																																		
P	S-250C	643+95.36	BL400	LT.	Manhole, Pipe	1	17.00																1												
F																																		
P	S-252C	108+61.11	CL_DCP	RT.	Inlet, Pipe	1	20.00												1																
F																																		
P	S-256C	108+61.35	CL_DCP	LT.	Inlet, Pipe	1		8.00											1																
F																																		
P	S-257C	701+45.26	D_DCP	RT.	MES																														
F																																		
P	S-258C	701+23.68	D_DCP	RT.	Manhole, Pipe	1	22.00														1														
F																																		
P	S-259C	701+08.89	D_DCP	RT.	Inlet, Pipe	1	22.00																										1			
F																																		
P	S-259C1	701+01.06	D_DCP	RT.	Inlet, Pipe	1	19.00												1																
F																																		
P	S-259C2	700+80.78	D_DCP	RT.	Inlet, Pipe	1	44.00												1																
F																																		
P	S-261C	108+61.10	CL_DCP	LT.	Manhole, Pipe	1		41.00													1														
F																																		
P	S-262C	700+84.62	D_DCP	LT.	Manhole, Pipe	1		17.00															1												
F																																		
P	S-264C	701+00.79	D_DCP	LT.	Manhole, Pipe	1		28.00													1														
F																																		
Sheet Summary					P Total		378.0	114.0	0	0	0	0	0	0	0	0	0	0	4	0	5	0	5	1	0	0	0	0	0	1	1	0	0	0	0	0
					F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 59

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)									STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																	
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	S-237C	639+37.19	BL400	LT.																				ALT. B 5.0'x4.0'
F																								
P	S-242C	642+54.35	BL400	LT.						1														1:4
F																								
P	S-243C	642+52.29	BL400	LT.																				ALT. A 4.00' DIA
F																								
P	S-244C	642+51.02	BL400	LT.																				ALT. B 5.0'x4.0'
F																								
P	S-246C	643+53.18	BL400	LT.																				ALT. A 4.00' DIA
F																								
P	S-247C	643+55.12	BL400	LT.																				ALT. B 5.0'x4.0'
F																								
P	S-248C	643+62.14	BL400	LT.																				
F																								
P	S-249C	643+85.18	BL400	LT.																				ALT. A 5.00' DIA
F																								
P	S-250C	643+95.36	BL400	LT.																				ALT. B 5.0'x4.0'
F																								
P	S-252C	108+61.11	CL_DCP	RT.																				ALT. A 4.00' DIA
F																								
P	S-256C	108+61.35	CL_DCP	LT.																				ALT. A 4.00' DIA; 24" CONCRETE COLLAR CONNECTION
F																								
P	S-257C	701+45.26	D_DCP	RT.					1															1:4
F																								
P	S-258C	701+23.68	D_DCP	RT.																				ALT. A 4.00' DIA
F																								
P	S-259C	701+08.89	D_DCP	RT.																				ALT. B 5.00'x5.00'; WALL ZONE PIPE - STEEL
F																								
P	S-259C1	701+01.06	D_DCP	RT.																				ALT. A 4.0' DIA
F																								
P	S-259C2	700+80.78	D_DCP	RT.																				ALT. A 4.0' DIA
F																								
P	S-261C	108+61.10	CL_DCP	LT.																				ALT. A 4.00' DIA
F																								
P	S-262C	700+84.62	D_DCP	LT.																				ALT. A 5.00' DIA; WALL ZONE PIPE - STEEL
F																								
P	S-264C	701+00.79	D_DCP	LT.																				ALT. A 4.00' DIA
F																								
Sheet Summary				P Total	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
				F Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 60

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)												TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	ADJUST	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-265C	701+28.26	D_DCP	LT.	MES																														
F																																			
P	S-266C	701+61.71	D_DCP	RT.	Inlet, Pipe	1	57.00																				1								
F																																			
P	S-267C	701+61.62	D_DCP	LT.	Inlet, Pipe	1	13.00																							1					
F																																			
P	S-268C	701+61.53	D_DCP	LT.	Manhole, Pipe	1	22.00														1														
F																																			
P	S-269C	701+61.44	D_DCP	LT.	MES																														
F																																			
P	S-270C	703+50.00	D_DCP	RT.	MES, Pipe	2						114.00																								
F																																			
P	S-271C	703+50.00	D_DCP	RT.	Inlet, Pipe	2						98.00																		1						
F																																			
P	S-272C	703+50.00	D_DCP	LT.	Inlet, Pipe	2						116.00																		1						
F																																			
P	S-273C	703+50.00	D_DCP	LT.	MES																														
F																																			
P	S-274C	705+00.00	D_DCP	RT.	MES																														
F																																			
P	S-276C	705+00.00	D_DCP	RT.	Inlet, Pipe	1	38.00																							1						
F																																			
P	S-277C	705+00.00	D_DCP	LT.	Inlet, Pipe	1	53.00																				1								
F																																			
P	S-278C	706+51.41	D_DCP	RT.	MES																														
F																																			
P	S-280C	706+51.41	D_DCP	RT.	Inlet, Pipe	1	38.00																					1							
F																																			
P	S-281C	706+51.41	D_DCP	LT.	Inlet, Pipe	1	29.00																				1								
F																																			
P	S-282C	707+51.41	D_DCP	RT.	Inlet, Pipe	1	29.00																				1								
F																																			
P	S-283C	707+51.41	D_DCP	LT.	Inlet, Pipe	1	12.00																					1							
F																																			
P	S-284C	707+51.41	D_DCP	LT.	Manhole, Pipe	1	37.00														1														
F																																			
P	S-285C	707+51.41	D_DCP	LT.	MES																														
F																																			
	Sheet Summary			P Total		328.0	0	0	0	0	0	328.0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	4	2	0	4	0	0	0	0	0	0
				F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 61

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)								STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	S-265C	701+28.26	D_DCP	LT.						1														1:4
F																								
P	S-266C	701+61.71	D_DCP	RT.																				
F																								
P	S-267C	701+61.62	D_DCP	LT.																				ALT. B 5.00'x5.00'; WALL ZONE PIPE - STEEL
F																								
P	S-268C	701+61.53	D_DCP	LT.																				ALT. A 4.00' DIA
F																								
P	S-269C	701+61.44	D_DCP	LT.					1															1:4
F																								
P	S-270C	703+50.00	D_DCP	RT.										1										DOUBLE 1:2; WALL ZONE PIPE - STEEL
F																								
P	S-271C	703+50.00	D_DCP	RT.																				ALT. B 15.00'x5.00'; WALL ZONE PIPE - STEEL
F																								
P	S-272C	703+50.00	D_DCP	LT.																				ALT. B 15.00'x5.00'; WALL ZONE PIPE - STEEL
F																								
P	S-273C	703+50.00	D_DCP	LT.										1										DOUBLE 1:2
F																								
P	S-274C	705+00.00	D_DCP	RT.					1															1:4
F																								
P	S-276C	705+00.00	D_DCP	RT.																				ALT. B 5.00'x5.00'
F																								
P	S-277C	705+00.00	D_DCP	LT.																				
F																								
P	S-278C	706+51.41	D_DCP	RT.					1															1:4
F																								
P	S-280C	706+51.41	D_DCP	RT.																				WALL ZONE PIPE - STEEL
F																								
P	S-281C	706+51.41	D_DCP	LT.																				
F																								
P	S-282C	707+51.41	D_DCP	RT.																				
F																								
P	S-283C	707+51.41	D_DCP	LT.																				WALL ZONE PIPE - STEEL
F																								
P	S-284C	707+51.41	D_DCP	LT.																				ALT. A 4.00' DIA
F																								
P	S-285C	707+51.41	D_DCP	LT.					1															1:4
F																								
Sheet Summary				P Total	0	0	0	0	4	1	0	0	0	2	0	0	0	0	0	0	0	0	0	
				F Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 62

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)												TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	ADJUST	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-286C	708+34.25	D_DCP	LT.	Inlet, Pipe	1	10.00																												
F																																		
P	S-287C	708+35.04	D_DCP	LT.	Manhole, Pipe	1	80.00														1														
F																																		
P	S-288C	709+58.84	D_DCP	LT.	Inlet, Pipe	1	20.00																												
F																																		
P	S-289C	709+59.95	D_DCP	LT.	Manhole, Pipe	1	121.00														1														
F																																		
P	S-300A	501+50.00	IB_DCP	RT.	Inlet, Pipe	1	29.00																												
F																																		
P	S-301A	501+50.00	IB_DCP	LT.	Inlet, Pipe	1	152.00																									1			
F																																		
P	S-302A	503+04.20	IB_DCP	LT.	Inlet, Pipe	1	135.00																									1			
F																																		
P	S-303A	503+04.20	IB_DCP	RT.	Inlet, Pipe	1	43.00																												
F																																		
P	S-303C	504+41.98	IB_DCP	RT.	Inlet, Pipe	1		27.00																			1								
F																																		
P	S-304A	636+56.61	BL400	RT.	Inlet, Pipe	1		32.00																								1			
F																																		
P	S-304C	504+41.37	IB_DCP	LT.	Manhole, Pipe	1		162.00															1												
F																																		
P	S-305A	640+60.65	BL400	RT.	Inlet, Pipe	1	32.00																									1			
F																																		
P	S-305C	504+91.98	IB_DCP	RT.	Inlet, Pipe	1	47.00																				1								
F																																		
P	S-306A	643+59.90	BL400	RT.	Inlet, Pipe	1	45.00																									1			
F																																		
P	S-306C	505+36.85	IB_DCP	RT.	Inlet, Pipe	1	42.00																				1								
F																																		
P	S-307C	635+60.57	BL400	RT.	Inlet, Pipe	1		92.00																								1			
F																																		
P	S-308A	652+39.41	BL400	LT.	Inlet, Pipe	1	168.00																				1								
F																																		
P	S-308C	507+00.13	IB_DCP	RT.	Inlet, Pipe	1	31.00																						1						
F																																		
P	S-309A	654+10.54	BL400	LT.	Inlet, Pipe	1	172.00																						1						
F																																		
	Sheet Summary				P Total		1127.0	313.0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	4	0	2	0	6	0	0	0	0	0
					F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 63

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)								STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	S-286C	708+34.25	D_DCP	LT.	1																		
F																								
P	S-287C	708+35.04	D_DCP	LT.																			ALT. A 4.00' DIA
F																							
P	S-288C	709+58.84	D_DCP	LT.	1																		
F																							
P	S-289C	709+59.95	D_DCP	LT.																			ALT. A 4.00' DIA
F																							
P	S-300A	501+50.00	IB_DCP	RT.	1																		
F																							
P	S-301A	501+50.00	IB_DCP	LT.																			
F																							
P	S-302A	503+04.20	IB_DCP	LT.																			
F																							
P	S-303A	503+04.20	IB_DCP	RT.	1																		
F																							
P	S-303C	504+41.98	IB_DCP	RT.																			
F																							
P	S-304A	636+56.61	BL400	RT.																			
F																							
P	S-304C	504+41.37	IB_DCP	LT.																			ALT. A 5.00' DIA
F																							
P	S-305A	640+60.65	BL400	RT.																			
F																							
P	S-305C	504+91.98	IB_DCP	RT.																			
F																							
P	S-306A	643+59.90	BL400	RT.																			
F																							
P	S-306C	505+36.85	IB_DCP	RT.																			
F																							
P	S-307C	635+60.57	BL400	RT.																			
F																							
P	S-308A	652+39.41	BL400	LT.																			CAP TOP FOR FUTURE USE
F																							
P	S-308C	507+00.13	IB_DCP	RT.																			ALT. B 5.0'x5.0'
F																							
P	S-309A	654+10.54	BL400	LT.																			ALT. B 5.0'x5.0'
F																							
Sheet Summary				P Total	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
				F Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 64

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)												TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	ADJUST	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-309C	507+00.13	IB_DCP	LT.	Inlet, Pipe	1	50.00																													
F																																				
P	S-310A	655+86.02	BL400	LT.	Inlet, Pipe	1	3.00																													
F																																				
P	S-310C	636+56.61	BL400	RT.	Inlet, Pipe	1			149.00																									1			
F																																				
P	S-311A	655+86.02	BL400	LT.	Inlet, Pipe	1	210.00																						1							
F																																				
P	S-311C	508+20.00	IB_DCP	LT.	Inlet, Pipe	1	116.00																													
F																																				
P	S-312A	658+01.26	BL400	LT.	Inlet, Pipe	1	3.00																													
F																																				
P	S-312C	638+10.40	BL400	RT.	Inlet, Pipe	1			246.00																										1		
F																																				
P	S-313A	658+74.73	BL400	RT.	Inlet, Pipe	1	26.00																													
F																																				
P	S-313C	509+40.00	IB_DCP	RT.	Inlet, Pipe	1	31.00																										1				
F																																				
P	S-314A	658+74.85	BL400	RT.	Manhole, Pipe	1	166.00														1															
F																																				
P	S-314C	509+40.00	IB_DCP	LT.	Inlet, Pipe	1	116.00																													
F																																				
P	S-315A	659+24.54	BL400	RT.	Inlet, Pipe	1	132.00																													
F																																				
P	S-315C	511+12.50	IB_DCP	LT.	Inlet, Pipe	1	90.00																													
F																																				
P	S-316A	614+42.44	IC_DCP	LT.	Inlet, Pipe	1	42.00																													
F																																				
P	S-316C	640+60.65	BL400	RT.	Inlet, Pipe	1			246.00																										1		
F																																				
P	S-317A	615+10.10	IC_DCP	RT.	Inlet, Pipe	1	66.00																													
F																																				
P	S-317C	512+80.10	IB_DCP	RT.	Inlet, Pipe	1	55.00																										1				
F																																				
P	S-318A	660+60.17	BL400	RT.	Inlet, Pipe	1	108.00																													
F																																				
P	S-318C	512+80.10	IB_DCP	LT.	Inlet, Pipe	1	164.00																													
F																																				
	Sheet Summary			P Total		1378.0	0	641.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	1	0	0	0	2	1	0	0
				F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 65

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)									STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																	
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	S-309C	507+00.13	IB_DCP	LT.	1																			
F																								
P	S-310A	655+86.02	BL400	LT.	1																			WALL ZONE PIPE - STEEL
F																								
P	S-310C	636+56.61	BL400	RT.																				ALT. B 5.0'x5.0'; CAP TOP FOR FUTURE USE
F																								
P	S-311A	655+86.02	BL400	LT.																				ALT. B 7.0'X5.0'
F																								
P	S-311C	508+20.00	IB_DCP	LT.	1																			
F																								
P	S-312A	658+01.26	BL400	LT.	1																			WALL ZONE PIPE - STEEL
F																								
P	S-312C	638+10.40	BL400	RT.																				ALT. B 5.0'x5.0'; CAP TOP FOR FUTURE USE
F																								
P	S-313A	658+74.73	BL400	RT.	1																			
F																								
P	S-313C	509+40.00	IB_DCP	RT.																				
F																								
P	S-314A	658+74.85	BL400	RT.																				ALT. A 4.00' DIA
F																								
P	S-314C	509+40.00	IB_DCP	LT.	1																			
F																								
P	S-315A	659+24.54	BL400	RT.	1																			
F																								
P	S-315C	511+12.50	IB_DCP	LT.				1																ALT. B 5.00'x5.00'
F																								
P	S-316A	614+42.44	IC_DCP	LT.		1																		
F																								
P	S-316C	640+60.65	BL400	RT.																				ALT. B 5.0'x5.0'
F																								
P	S-317A	615+10.10	IC_DCP	RT.	1																			
F																								
P	S-317C	512+80.10	IB_DCP	RT.																				
F																								
P	S-318A	660+60.17	BL400	RT.	1																			
F																								
P	S-318C	512+80.10	IB_DCP	LT.	1																			
F																								
Sheet Summary				P Total	10	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
				F Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 66

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)												TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	ADJUST	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-319A	615+79.50	IC_DCP	RT.	Inlet, Pipe	1	108.00																												
F																																		
P	S-319C	513+64.52	IB_DCP	RT.	Inlet, Pipe	1	56.00																				1								
F																																		
P	S-320A	661+71.93	BL400	RT.	Inlet, Pipe	1	88.00																												
F																																		
P	S-320C	513+64.52	IB_DCP	LT.	Inlet, Pipe	1	104.00																						1						
F																																		
P	S-321A	616+90.80	IC_DCP	RT.	Inlet, Pipe	1	88.00																												
F																																		
P	S-321C	643+10.54	BL400	RT.	Inlet, Pipe	1				45.00																							1		
F																																		
P	S-322A	662+63.66	BL400	RT.	Inlet, Pipe	1	42.00																												
F																																		
P	S-322C	514+58.70	IB_DCP	RT.	Inlet, Pipe	1	40.00												1																
F																																		
P	S-323A	617+82.26	IC_DCP	RT.	Inlet, Pipe	1	68.00																												
F																																		
P	S-323C	514+40.23	IB_DCP	LT.	Inlet, Pipe	1	97.00																						1						
F																																		
P	S-324A	617+82.26	IC_DCP	RT.	EW																														
F																																		
P	S-324C	643+59.90	BL400	RT.	Inlet, Pipe	1				170.00																							1		
F																																		
P	S-325A	618+90.84	IC_DCP	RT.	Inlet, Pipe	1	87.00																												
F																																		
P	S-325C	645+33.35	BL400	RT.	Manhole, Pipe	1				65.00										1															
F																																		
P	S-326A	619+81.61	IC_DCP	RT.	Inlet, Pipe	1	104.00																												
F																																		
P	S-326C	601+03.20	IC_DCP	RT.	Inlet, Pipe	1	39.00																				1								
F																																		
P	S-327A	620+88.97	IC_DCP	RT.	Inlet, Pipe	1	87.00																												
F																																		
P	S-327C	600+77.43	IC_DCP	LT.	Inlet, Pipe	1	49.00												1																
F																																		
P	S-328A	621+79.63	IC_DCP	RT.	Inlet, Pipe	1		104.00																											
F																																		
	Sheet Summary				P Total		1057.0	104.0	0	280.0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	2	0	0	2	0	0	2	0	0	0
					F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 67

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)									STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																	
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	S-319A	615+79.50	IC_DCP	RT.	1																			
F																								
P	S-319C	513+64.52	IB_DCP	RT.																				
F																								
P	S-320A	661+71.93	BL400	RT.	1																			
F																								
P	S-320C	513+64.52	IB_DCP	LT.																				ALT. B 5.00'x5.00'
F																								
P	S-321A	616+90.80	IC_DCP	RT.	1																			
F																								
P	S-321C	643+10.54	BL400	RT.																				ALT. B 5.0'x5.0'; CAP TOP FOR FUTURE USE
F																								
P	S-322A	662+63.66	BL400	RT.	1																			
F																								
P	S-322C	514+58.70	IB_DCP	RT.																				ALT. A 4.00' DIA
F																								
P	S-323A	617+82.26	IC_DCP	RT.	1																			
F																								
P	S-323C	514+40.23	IB_DCP	LT.																				ALT. B 5.00'x5.00'
F																								
P	S-324A	617+82.26	IC_DCP	RT.														1.56			16.0			18" CONC. ENDWALL, RUBBLE RIP RAP
F																								
P	S-324C	643+59.90	BL400	RT.																				ALT. B 5.0'x5.0'; CAP TOP FOR FUTURE USE
F																								
P	S-325A	618+90.84	IC_DCP	RT.	1																			
F																								
P	S-325C	645+33.35	BL400	RT.																				ALT. B 4.0'x6.0'
F																								
P	S-326A	619+81.61	IC_DCP	RT.	1																			
F																								
P	S-326C	601+03.20	IC_DCP	RT.																				
F																								
P	S-327A	620+88.97	IC_DCP	RT.	1																			
F																								
P	S-327C	600+77.43	IC_DCP	LT.																				ALT. A 4.00' DIA
F																								
P	S-328A	621+79.63	IC_DCP	RT.			1																	ALT. B 4.0'x5.0'
F																								
Sheet Summary	P Total				8	0	1	0	0	0	0	0	0	0	0	0	0	1.56	0	0	16.0	0	0	
	F Total				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 68

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)												TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	ADJUST	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-328C	601+10.33	IC_DCP	LT.	Inlet, Pipe	1	39.00																							1					
F																																			
P	S-329A	622+87.42	IC_DCP	RT.	Inlet, Pipe	1		21.00																											
F																																			
P	S-329C	601+32.81	IC_DCP	LT.	Inlet, Pipe	1	26.00																									1			
F																																			
P	S-330A	622+87.42	IC_DCP	RT.	EW																														
F																																			
P	S-330C	646+02.60	BL400	RT.	Manhole, Pipe	1					40.00												1												
F																																			
P	S-331A	623+79.05	IC_DCP	RT.	Inlet, Pipe	1	88.00																												
F																																			
P	S-331C	646+10.69	BL400	RT.	Manhole, Pipe	1					145.00												1												
F																																			
P	S-332A	624+86.01	IC_DCP	RT.	Inlet, Pipe	1	103.00																												
F																																			
P	S-332C	601+50.64	IC_DCP	RT.	Inlet, Pipe	1	41.00																					1							
F																																			
P	S-333A	670+60.93	IC_DCP	RT.	Inlet, Pipe	1	89.00																												
F																																			
P	S-333C	601+50.44	IC_DCP	LT.	Inlet, Pipe	1	39.00																							1					
F																																			
P	S-334C	601+59.23	IC_DCP	LT.	Inlet, Pipe	1	57.00																									1			
F																																			
P	S-335C	602+18.12	IC_DCP	RT.	Inlet, Pipe	1	33.00																					1							
F																																			
P	S-336C	602+18.12	IC_DCP	LT.	Inlet, Pipe	1	44.00																						1						
F																																			
P	S-337C	602+19.60	IC_DCP	LT.	Inlet, Pipe	1		34.00																								1			
F																																			
P	S-338C	647+14.04	BL400	RT.	Manhole, Pipe	1		108.00															1												
F																																			
P	S-339C	647+60.54	BL400	RT.	Inlet, Pipe	1					203.00																							1		
F																																			
P	S-340C	649+67.54	BL400	RT.	Inlet, Pipe	1					289.00																							1		
F																																			
P	S-340C1	604+65.97	IC_DCP	RT.	Inlet, Pipe	1	153.00																									1			
F																																			
Sheet Summary					P Total		712.0	163.0	0	0	677.0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	2	1	0	2	4	0	0	2	0	0
					F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 69

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)									STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																	
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	S-328C	601+10.33	IC_DCP	LT.																				ALT. B 5.00'x5.00'; WALL ZONE PIPE - STEEL
F																								
P	S-329A	622+87.42	IC_DCP	RT.			1																	ALT. B 4.0'x5.0'
F																								
P	S-329C	601+32.81	IC_DCP	LT.																				
F																								
P	S-330A	622+87.42	IC_DCP	RT.															2.24		16.0			24" CONCRETE ENDWALL; RUBBLE RIP RAP
F																								
P	S-330C	646+02.60	BL400	RT.																				ALT. B 5.0'x7.0'
F																								
P	S-331A	623+79.05	IC_DCP	RT.	1																			
F																								
P	S-331C	646+10.69	BL400	RT.																				ALT. B 6.0'x7.0'
F																								
P	S-332A	624+86.01	IC_DCP	RT.	1																			
F																								
P	S-332C	601+50.64	IC_DCP	RT.																				
F																								
P	S-333A	670+60.93	IC_DCP	RT.	1																			
F																								
P	S-333C	601+50.44	IC_DCP	LT.																				ALT. B 5.00'x5.00'
F																								
P	S-334C	601+59.23	IC_DCP	LT.																				
F																								
P	S-335C	602+18.12	IC_DCP	RT.																				
F																								
P	S-336C	602+18.12	IC_DCP	LT.																				WALL ZONE PIPE - STEEL
F																								
P	S-337C	602+19.60	IC_DCP	LT.																				
F																								
P	S-338C	647+14.04	BL400	RT.																				ALT. B 5.0'x5.0'
F																								
P	S-339C	647+60.54	BL400	RT.																				ALT. B 5.0'x6.0'
F																								
P	S-340C	649+67.54	BL400	RT.																				ALT. B 5.0'x6.0'
F																								
P	S-340C1	604+65.97	IC_DCP	RT.																				
F																								
Sheet Summary	P Total				3	0	1	0	0	0	0	0	0	0	0	0	0	0	2.24	0	16.0	0	0	
	F Total				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 70

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)												TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	ADJUST	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-348C	652+60.66	BL400	RT.	Inlet, Pipe	1					145.00																					1			
F																																		
P	S-348C1	607+54.66	IC_DCP	RT.	Inlet, Pipe	1	137.00																							1					
F																																		
P	S-348C2	608+81.27	IC_DCP	RT.	Inlet, Pipe	1	126.00																							1					
F																																		
P	S-355C	609+17.66	IC_DCP	RT.	Inlet, Pipe	1			65.00																							1			
F																																		
P	S-356C	654+10.54	BL400	RT.	Inlet, Pipe	1						44.00																				1			
F																																		
P	S-357C	654+60.45	BL400	RT.	Inlet, Pipe	1											164.00															1			
F																																		
P	S-361C	610+16.74	IC_DCP	RT.	Inlet, Pipe	1			96.00																						1					
F																																		
P	S-364C	611+01.09	IC_DCP	RT.	Inlet, Pipe	1		80.00																						1					
F																																		
P	S-365C	611+02.58	IC_DCP	RT.	Inlet, Pipe	1	21.00																						1						
F																																		
P	S-367C	110+17.95	ISLIP1	LT.	Inlet, Pipe	1		76.00																								1			
F																																		
P	S-368C	711+00.00	D_DCP	LT.	Inlet, Pipe	1	72.00																												
F																																		
P	S-370C	611+87.31	IC_DCP	RT.	Inlet, Pipe	1		82.00																								1			
F																																		
P	S-371C	7064+94.40	IWBCD2	RT.	Manhole, Pipe	1	18.00															1													
F																																		
P	S-372C	711+77.69	D_DCP	RT.	Inlet, Pipe	1			30.00																										
F																																		
P	S-373C	711+76.84	D_DCP	LT.	Inlet, Pipe	1			38.00																										
F																																		
P	S-373C1	712+19.62	D_DCP	LT.	Inlet, Pipe	1			35.00																										
F																																		
P	S-373C2	712+59.01	D_DCP	LT.	Inlet, Pipe	1			36.00																										
F																																		
P	S-375C	612+25.99	IC_DCP	RT.	Inlet, Pipe	1		34.00																								1			
F																																		
P	S-376C	612+26.49	IC_DCP	RT.	Inlet, Pipe	1	24.00																						1						
F																																		
Sheet Summary					P Total		398.0	272.0	300.0	0	145.0	44.0	0	0	0	0	164.0	0	0	0	0	1	0	0	0	0	0	0	0	2	2	0	4	4	0	0
					F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 71

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)									STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																	
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	S-348C	652+60.66	BL400	RT.																				ALT. B 5.0'x6.0'
F																								
P	S-348C1	607+54.66	IC_DCP	RT.																				
F																								
P	S-348C2	608+81.27	IC_DCP	RT.																				
F																								
P	S-355C	609+17.66	IC_DCP	RT.																				ALT. B 5.0'x5.0'
F																								
P	S-356C	654+10.54	BL400	RT.																				ALT. B 7.0'x5.0'
F																								
P	S-357C	654+60.45	BL400	RT.																				ALT. B 7.0'x6.0'; WALL ZONE PIPE - STEEL
F																								
P	S-361C	610+16.74	IC_DCP	RT.																				ALT. B 5.0'x5.0'
F																								
P	S-364C	611+01.09	IC_DCP	RT.																				ALT. B 5.0'x4.0'
F																								
P	S-365C	611+02.58	IC_DCP	RT.																				ALT. B 5.00'x5.00'; WALL ZONE PIPE - STEEL
F																								
P	S-367C	110+17.95	ISLIP1	LT.			1																	ALT. B 5.0'x6.0'
F																								
P	S-368C	711+00.00	D_DCP	LT.	1																			
F																								
P	S-370C	611+87.31	IC_DCP	RT.																				ALT. B 5.0'x4.0'
F																								
P	S-371C	7064+94.40	IWBCD2	RT.																				ALT. B 4.0'x5.0'
F																								
P	S-372C	711+77.69	D_DCP	RT.			1																	ALT. B 4.0'x5.0'
F																								
P	S-373C	711+76.84	D_DCP	LT.			1																	ALT. B 5.0'x6.0'
F																								
P	S-373C1	712+19.62	D_DCP	LT.			1																	ALT. B 5.0'x5.0'
F																								
P	S-373C2	712+59.01	D_DCP	LT.			1																	ALT. B 5.0'x5.0'
F																								
P	S-375C	612+25.99	IC_DCP	RT.																				ALT. B 5.0'x4.0'
F																								
P	S-376C	612+26.49	IC_DCP	RT.																				ALT. B 5.00'x5.00'; WALL ZONE PIPE - STEEL
F																								
Sheet Summary				P Total	1	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
				F Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 72

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)												TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	MODIFIED TOP	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-377C	657+06.54	BL400	RT.	Inlet, Pipe	1	242.00																								1					
F																																				
P	S-378C	612+99.50	IC_DCP	RT.	Inlet, Pipe	1		69.00																								1				
F																																				
P	S-379C	613+00.04	IC_DCP	RT.	Inlet, Pipe	1	26.00																													
F																																				
P	S-380C	613+00.00	IC_DCP	LT.	Inlet, Pipe	1	37.00																					1								
F																																				
P	S-384C	7066+20.54	IWBCD2	RT.	Inlet, Pipe	1			63.00																				1							
F																																				
P	S-385C	713+00.00	D_DCP	LT.	Inlet, Pipe	1					76.00																									
F																																				
P	S-385C1	713+61.17	D_DCP	LT.	Inlet, Pipe	1	57.00																													
F																																				
P	S-386C	712+95.76	D_DCP	LT.	MES																															
F																																				
P	S-386C1	713+00.00	D_DCP	LT.	Manhole, Pipe	1					45.00												1													
F																																				
P	S-389C	713+14.38	D_DCP	LT.	Manhole, Pipe	1							71.00										1													
F																																				
P	S-391C	613+94.31	IC_DCP	RT.	Inlet, Pipe	1		90.00																								1				
F																																				
P	S-392C	613+94.33	IC_DCP	RT.	Inlet, Pipe	1	27.00																									1				
F																																				
P	S-393C	713+92.55	D_DCP	LT.	Manhole, Pipe	1							181.00										1													
F																																				
P	S-398C	7067+40.69	IWBCD2	RT.	Inlet, Pipe	1	54.00																					1								
F																																				
P	S-399C	714+22.26	D_DCP	LT.	Inlet, Pipe	1	75.00																													
F																																				
P	S-399C1	715+00.85	D_DCP	LT.	Inlet, Pipe	1	65.00																													
F																																				
P	S-400A	104+93.24	ISLIP1	LT.	Inlet, Pipe	1	74.00																							1						
F																																				
P	S-401A	105+70.00	ISLIP1	LT.	Inlet, Pipe	1	47.00																							1						
F																																				
P	S-402A	106+19.95	ISLIP1	LT.	Inlet, Pipe	1	47.00																							1						
F																																				
Sheet Summary					P Total		751.0	159.0	63.0	0	121.0	0	252.0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	2	1	4	1	1	0	2	0	0	0
					F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 73

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)									STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																	
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	S-377C	657+06.54	BL400	RT.																				
F																								
P	S-378C	612+99.50	IC_DCP	RT.																				ALT. B 5.0'x4.0'
F																								
P	S-379C	613+00.04	IC_DCP	RT.																				ALT. B 5.00'x5.00'; WALL ZONE PIPE - STEEL
F																								
P	S-380C	613+00.00	IC_DCP	LT.																				
F																								
P	S-384C	7066+20.54	IWBCD2	RT.																				ALT. B 5.0'x4.0'
F																								
P	S-385C	713+00.00	D_DCP	LT.				1																ALT. B 5.0'x6.0'
F																								
P	S-385C1	713+61.17	D_DCP	LT.	1																			
F																								
P	S-386C	712+95.76	D_DCP	LT.									1											1:2
F																								
P	S-386C1	713+00.00	D_DCP	LT.																				ALT. A 6.0' DIA
F																								
P	S-389C	713+14.38	D_DCP	LT.																				ALT. B 7.0'x6.0'
F																								
P	S-391C	613+94.31	IC_DCP	RT.																				ALT. B 5.0'x4.0'
F																								
P	S-392C	613+94.33	IC_DCP	RT.																				WALL ZONE PIPE - STEEL
F																								
P	S-393C	713+92.55	D_DCP	LT.																				ALT. A 8.0' DIA
F																								
P	S-398C	7067+40.69	IWBCD2	RT.																				
F																								
P	S-399C	714+22.26	D_DCP	LT.	1																			
F																								
P	S-399C1	715+00.85	D_DCP	LT.	1																			
F																								
P	S-400A	104+93.24	ISLIP1	LT.																				ALT. B 5.0'x5.0'
F																								
P	S-401A	105+70.00	ISLIP1	LT.																				ALT. B 5.0'x5.0'
F																								
P	S-402A	106+19.95	ISLIP1	LT.																				ALT. B 5.0'x5.0'
F																								
Sheet Summary				P Total	3	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
				F Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL, 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 74

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)												TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	ADJUST	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-403A	106+19.95	ISLIP1	RT.	Inlet, Pipe	1	20.00																				1									
F																																				
P	S-404A	106+70.09	ISLIP1	LT.	Inlet, Pipe	1		19.00																					1							
F																																				
P	S-405A	106+70.09	ISLIP1	RT.	Inlet, Pipe	1	20.00																				1									
F																																				
P	S-406C	7068+90.94	IWBCD2	RT.	Inlet, Pipe	1	50.00																				1									
F																																				
P	S-407A	108+00.00	ISLIP1	LT.	Inlet, Pipe	1		46.00																												
F																																				
P	S-407A1	108+50.00	ISLIP1	LT.	Inlet, Pipe	1		45.00																												
F																																				
P	S-407C	715+69.56	D_DCP	LT.	Inlet, Pipe	1		105.00																												
F																																				
P	S-407C1	716+78.24	D_DCP	LT.	Inlet, Pipe	1		87.00																												
F																																				
P	S-408A	108+00.00	ISLIP1	RT.	Inlet, Pipe	1	22.00																				1									
F																																				
P	S-408C	715+49.63	D_DCP	LT.	MES																															
F																																				
P	S-410A	109+00.00	ISLIP1	LT.	Inlet, Pipe	1		45.00																												
F																																				
P	S-410A1	109+49.98	ISLIP1	LT.	Inlet, Pipe	1		63.00																												
F																																				
P	S-411A	109+01.16	ISLIP1	RT.	Inlet, Pipe	1	98.00																				1									
F																																				
P	S-412A	110+17.95	ISLIP1	RT.	Inlet, Pipe	1	77.00																				1									
F																																				
P	S-415A	110+98.65	ISLIP1	RT.	Inlet, Pipe	1	24.00																				1									
F																																				
P	S-415B	106+70.06	ISLIP1	LT.	Inlet, Pipe	1		126.00																									1			
F																																				
P	S-415C	7070+91.44	IWBCD2	RT.	Inlet, Pipe	1	49.00																						1							
F																																				
P	S-416A	659+90.41	BL400	LT.	Inlet, Pipe	1	101.00																						1							
F																																				
P	S-416C1	7072+00.00	IWBCD2	LT.	Inlet, Pipe	1		88.00																					1							
F																																				
	Sheet Summary			P Total			461.0	624.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	4	0	1	0	0	0	0	0
				F Total			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 75

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)									STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																	
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	S-403A	106+19.95	ISLIP1	RT.																				
F																								
P	S-404A	106+70.09	ISLIP1	LT.																				ALT. B 5.0'x5.0'
F																								
P	S-405A	106+70.09	ISLIP1	RT.																				
F																								
P	S-406C	7068+90.94	IWBCD2	RT.																				
F																								
P	S-407A	108+00.00	ISLIP1	LT.			1																	ALT. B 4.0'x5.0'
F																								
P	S-407A1	108+50.00	ISLIP1	LT.			1																	ALT. B 4.0'x5.0'
F																								
P	S-407C	715+69.56	D_DCP	LT.			1																	ALT. B 4.0'x5.0'
F																								
P	S-407C1	716+78.24	D_DCP	LT.			1																	ALT. B 4.0'x5.0'
F																								
P	S-408A	108+00.00	ISLIP1	RT.																				
F																								
P	S-408C	715+49.63	D_DCP	LT.											1									1:2
F																								
P	S-410A	109+00.00	ISLIP1	LT.			1																	ALT. B 4.0'x5.0'
F																								
P	S-410A1	109+49.98	ISLIP1	LT.			1																	ALT. B 4.0'x5.0'
F																								
P	S-411A	109+01.16	ISLIP1	RT.																				
F																								
P	S-412A	110+17.95	ISLIP1	RT.																				
F																								
P	S-415A	110+98.65	ISLIP1	RT.																				ALT. B 5.0'x4.0'
F																								
P	S-415B	106+70.06	ISLIP1	LT.																				
F																								
P	S-415C	7070+91.44	IWBCD2	RT.																				
F																								
P	S-416A	659+90.41	BL400	LT.																				ALT. B 5.0'x5.0'
F																								
P	S-416C1	7072+00.00	IWBCD2	LT.																				ALT. B 4.0'x5.0'
F																								
Sheet Summary				P Total	0	0	6	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
				F Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 76

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)												TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	ADJUST	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-416B	108+00.00	ISLIP1	LT.	Manhole, Pipe	1		15.00													1														
F																																		
P	S-416C	7070+91.36	IWBCD2	LT.	Inlet, Pipe	1		105.00																										
F																																		
P	S-417A	660+94.99	BL400	LT.	Inlet, Pipe	1	3.00																											
F																																		
P	S-418A	660+94.99	BL400	LT.	Inlet, Pipe	1	164.00																						1					
F																																		
P	S-419A	662+63.17	BL400	LT.	Inlet, Pipe	1		196.00																							1			
F																																		
P	S-420A	662+63.17	BL400	LT.	Inlet, Pipe	1		11.00																			1							
F																																		
P	S-420C	7072+91.75	IWBCD2	RT.	Inlet, Pipe	1	49.00																				1							
F																																		
P	S-421A	664+62.84	BL400	LT.	Inlet, Pipe	1		197.00																								1		
F																																		
P	S-421C	7072+91.75	IWBCD2	LT.	Inlet, Pipe	1		104.00																										
F																																		
P	S-421C1	7074+00.00	IWBCD2	LT.	Inlet, Pipe	1		88.00																										
F																																		
P	S-422A	666+62.32	BL400	LT.	Inlet, Pipe	1		197.00																								1		
F																																		
P	S-423A	668+61.53	BL400	LT.	Inlet, Pipe	1		197.00																								1		
F																																		
P	S-424A	670+60.77	BL400	LT.	Inlet, Pipe	1			197.00																							1		
F																																		
P	S-425A	672+60.58	BL400	LT.	Inlet, Pipe	1			198.00																							1		
F																																		
P	S-426A	674+60.58	BL400	LT.	Inlet, Pipe	1			195.00																							1		
F																																		
P	S-427A	676+60.45	BL400	LT.	Inlet, Pipe	1									89.00			44.00	44.00														1		
F																																		
P	S-428A	204+46.34	ISLIP2	RT.	Inlet, Pipe	1	7.00																				1							
F																																		
P	S-428C	7074+92.09	IWBCD2	RT.	Inlet, Pipe	1	48.00																				1							
F																																		
P	S-429A	206+57.29	ISLIP2	RT.	Inlet, Pipe	1	21.00																				1							
F																																		
	Sheet Summary				P Total		292.0	1110.0	590.0	0	0	0	0	89.0	0	0	0	44.0	0	0	1	0	0	0	0	0	5	0	1	0	6	0	1	1	0	0
					F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 77

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)									STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																	
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	S-416B	108+00.00	ISLIP1	LT.																				ALT. A 4.0' DIA
F																								
P	S-416C	7070+91.36	IWBCD2	LT.			1																	ALT. B 4.0'x5.0'
F																								
P	S-417A	660+94.99	BL400	LT.	1																			
F																								
P	S-418A	660+94.99	BL400	LT.																				ALT. B 5.0'x5.0'
F																								
P	S-419A	662+63.17	BL400	LT.																				ALT. B 5.0'x4.0'
F																								
P	S-420A	662+63.17	BL400	LT.																				
F																								
P	S-420C	7072+91.75	IWBCD2	RT.																				
F																								
P	S-421A	664+62.84	BL400	LT.																				
F																								
P	S-421C	7072+91.75	IWBCD2	LT.			1																	ALT. B 4.0'x5.0'
F																								
P	S-421C1	7074+00.00	IWBCD2	LT.			1																	ALT. B 4.0'x5.0'
F																								
P	S-422A	666+62.32	BL400	LT.																				
F																								
P	S-423A	668+61.53	BL400	LT.																				
F																								
P	S-424A	670+60.77	BL400	LT.																				
F																								
P	S-425A	672+60.58	BL400	LT.																				
F																								
P	S-426A	674+60.58	BL400	LT.																				
F																								
P	S-427A	676+60.45	BL400	LT.																				ALT. B 5.0'x8.0'; 60" CONCRETE JACKET; 44-LF OF 60" STEEL PIPE & CASING FOR JACK/ BORE OR MICROTUNNELING
F																								
P	S-428A	204+46.34	ISLIP2	RT.																				
F																								
P	S-428C	7074+92.09	IWBCD2	RT.																				
F																								
P	S-429A	206+57.29	ISLIP2	RT.																				
F																								
Sheet Summary				P Total	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
				F Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 78

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)												TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	ADJUST	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-429C	7074+92.09	IWBCD2	LT.	Inlet, Pipe	1			105.00																										
F																																		
P	S-429C1	7076+00.00	IWBCD2	LT.	Inlet, Pipe	1			88.00																										
F																																		
P	S-430A	678+60.60	BL400	LT.	Inlet, Pipe	1			195.00																						1				
F																																		
P	S-431A	679+51.55	BL400	RT.	Inlet, Pipe	1			16.00																										
F																																		
P	S-431C	7076+36.97	IWBCD2	RT.	Inlet, Pipe	1	52.00																						1					
F																																		
P	S-432A	679+51.55	BL400	LT.	Inlet, Pipe	1			87.00																							1			
F																																		
P	S-433A	208+55.63	ISLIP1	LT.	Inlet, Pipe	1	7.00																								1				
F																																		
P	S-433A1	208+00.00	ISLIP2	LT.	Inlet, Pipe	1	52.00																						1					
F																																		
P	S-434A	208+57.87	ISLIP1	RT.	Inlet, Pipe	1	27.00																						1					
F																																		
P	S-435A	680+60.66	BL400	LT.	Inlet, Pipe	1			106.00																						1				
F																																		
P	S-436A	682+07.50	BL400	LT.	Manhole, Pipe	1			143.00													1													
F																																		
P	S-437A	682+07.50	BL400	LT.	Inlet, Pipe	1		11.00																											
F																																		
P	S-437C	7076+92.31	IWBCD2	RT.	Inlet, Pipe	1	48.00																						1					
F																																		
P	S-438A	210+31.23	ISLIP2	LT.	Inlet, Pipe	1		223.00																							1				
F																																		
P	S-438C	7076+92.32	IWBCD2	LT.	Inlet, Pipe	1				62.00																									
F																																		
P	S-438C1	7078+00.00	IWBCD2	LT.	Inlet, Pipe	1	104.00																												
F																																		
P	S-439A	682+60.00	BL400	LT.	Inlet, Pipe	1		49.00																											
F																																		
P	S-439A1	210+57.97	ISLIP2	RT.	Inlet, Pipe	1	36.00																						1					
F																																		
P	S-439C	622+82.50	PND141	RT.	MES																														
F																																		
Sheet Summary					P Total		326.0	283.0	740.0	62.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	5	0	0	0	4	0	1	0	0	0
					F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 79

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)									STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																	
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	S-429C	7074+92.09	IWBCD2	LT.			1																	ALT. B 5.0'x5.0'
F																								
P	S-429C1	7076+00.00	IWBCD2	LT.			1																	ALT. B 5.0'x5.0'
F																								
P	S-430A	678+60.60	BL400	LT.																				
F																								
P	S-431A	679+51.55	BL400	RT.																				EXIST STRUCTURE TO REMAIN; 30" CONCRETE COLLAR CONNECTION
F																								
P	S-431C	7076+36.97	IWBCD2	RT.																				
F																								
P	S-432A	679+51.55	BL400	LT.																				ALT. B 5.0'x5.0'
F																								
P	S-433A	208+55.63	ISLIP1	LT.																				
F																								
P	S-433A1	208+00.00	ISLIP2	LT.																				
F																								
P	S-434A	208+57.87	ISLIP1	RT.																				
F																								
P	S-435A	680+60.66	BL400	LT.																				
F																								
P	S-436A	682+07.50	BL400	LT.																				
F																								
P	S-437A	682+07.50	BL400	LT.			1																	
F																								
P	S-437C	7076+92.31	IWBCD2	RT.																				
F																								
P	S-438A	210+31.23	ISLIP2	LT.																				
F																								
P	S-438C	7076+92.32	IWBCD2	LT.				1																
F																								
P	S-438C1	7078+00.00	IWBCD2	LT.	1																			
F																								
P	S-439A	682+60.00	BL400	LT.			1																	ALT. B 4.0'x5.0'
F																								
P	S-439A1	210+57.97	ISLIP2	RT.																				
F																								
P	S-439C	622+82.50	PND141	RT.								1												1:2
F																								
Sheet Summary	P Total				1	0	4	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
	F Total				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 80

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)													TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	ADJUST	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-439C1	7076+92.32	IWBCD2	LT.	Manhole, Pipe	1				46.00													1													
F																																				
P	S-440A	683+60.00	BL400	LT.	Inlet, Pipe	1		96.00																												
F																																				
P	S-441A	683+88.28	BL400	LT.	Inlet, Pipe	1		24.00																												
F																																				
P	S-442A	684+20.00	BL400	LT.	Inlet, Pipe	1	28.00																													
F																																				
P	S-443A	212+56.45	ISLIP2	LT.	Inlet, Pipe	1		200.00																										1		
F																																				
P	S-444A	684+80.00	BL400	LT.	Inlet, Pipe	1	57.00																													
F																																				
P	S-445A	685+60.00	BL400	LT.	Inlet, Pipe	1	77.00																													
F																																				
P	S-446A	214+59.78	ISLIP2	LT.	Inlet, Pipe	1			195.00																									1		
F																																				
P	S-447A	216+54.99	ISLIP2	LT.	Inlet, Pipe	1			197.00																									1		
F																																				
P	S-447C	7078+57.32	IWBCD2	RT.	Inlet, Pipe	1	49.00																					1								
F																																				
P	S-448A	690+59.74	BL400	LT.	Inlet, Pipe	1			186.00																									1		
F																																				
P	S-448C	7078+92.69	IWBCD2	LT.	Inlet, Pipe	1	103.00																													
F																																				
P	S-448C1	7079+98.81	IWBCD2	LT.	Inlet, Pipe	1	90.00																													
F																																				
P	S-449A	692+50.20	BL400	LT.	Inlet, Pipe	1							24.00																						1		
F																																				
P	S-450A	306+50.00	IA_CFP	LT.	Inlet, Pipe	1	47.00																													
F																																				
P	S-451A	306+50.00	IA_CFP	RT.	Inlet, Pipe	1	47.00																													
F																																				
P	S-452A	307+00.00	IA_CFP	LT.	Inlet, Pipe	1	25.00																													
F																																				
P	S-453A	307+00.00	IA_CFP	RT.	Inlet, Pipe	1	107.00																													
F																																				
P	S-454A	307+50.00	IA_CFP	LT.	Inlet, Pipe	1	47.00																													
F																																				
Sheet Summary	P Total						677.0	320.0	578.0	46.0	0	0	24.0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	4	0	1	0	0	0
	F Total						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 81

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)								STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	S-439C1	7076+92.32	IWBCD2	LT.																			ALT. A 5.00' DIA
F																							
P	S-440A	683+60.00	BL400	LT.							1												ALT. B 4.0'x5.0'
F																							
P	S-441A	683+88.28	BL400	LT.							1												ALT. B 4.0'x5.0'
F																							
P	S-442A	684+20.00	BL400	LT.					1														
F																							
P	S-443A	212+56.45	ISLIP2	LT.																			
F																							
P	S-444A	684+80.00	BL400	LT.					1														
F																							
P	S-445A	685+60.00	BL400	LT.					1														
F																							
P	S-446A	214+59.78	ISLIP2	LT.																			
F																							
P	S-447A	216+54.99	ISLIP2	LT.																			
F																							
P	S-447C	7078+57.32	IWBCD2	RT.																			
F																							
P	S-448A	690+59.74	BL400	LT.																			
F																							
P	S-448C	7078+92.69	IWBCD2	LT.					1														
F																							
P	S-448C1	7079+98.81	IWBCD2	LT.	1																		
F																							
P	S-449A	692+50.20	BL400	LT.																			
F																							
P	S-450A	306+50.00	IA_CFP	LT.	1																		
F																							
P	S-451A	306+50.00	IA_CFP	RT.	1																		
F																							
P	S-452A	307+00.00	IA_CFP	LT.	1																		
F																							
P	S-453A	307+00.00	IA_CFP	RT.	1																		
F																							
P	S-454A	307+50.00	IA_CFP	LT.	1																		
F																							
	Sheet Summary		P Total		6	0	0	0	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	
			F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 82

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)												TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	ADJUST	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-455A	307+50.00	IA_CFP	RT.	Inlet, Pipe	1	47.00																												
F																																		
P	S-456A	693+73.82	BL400	LT.	Inlet, Pipe	1		118.00																							1				
F																																		
P	S-456C	7080+92.50	IWBCD2	RT.	Inlet, Pipe	1	41.00																				1								
F																																		
P	S-457A	694+62.66	BL400	LT.	Inlet, Pipe	1		85.00																							1				
F																																		
P	S-457A1	307+90.00	IA_CFP	RT.	Inlet, Pipe	1	101.00																								1				
F																																		
P	S-457C	7080+92.68	IWBCD2	LT.	Inlet, Pipe	1	61.00																												
F																																		
P	S-457C1	7081+98.55	IWBCD2	LT.	Inlet, Pipe	1	91.00																												
F																																		
P	S-457C2	7081+98.55	IWBCD2	RT.	Inlet, Pipe	1	37.00																				1								
F																																		
P	S-457O1	7080+92.68	IWBCD2	LT.	Manhole, Pipe	1	49.00															1													
F																																		
P	S-457O2	7080+97.01	IWBCD2	LT.	MES																														
F																																		
P	S-458C	202+06.33	ISLIP2	RT.	Manhole, Pipe	1	46.00																1												
F																																		
P	S-465C	202+56.35	ISLIP2	RT.	Manhole, Pipe	1	37.00																1												
F																																		
P	S-466C	7082+92.67	IWBCD2	LT.	Inlet, Pipe	1	103.00																												
F																																		
P	S-466C1	7083+99.38	IWBCD2	LT.	Inlet, Pipe	1	79.00																												
F																																		
P	S-475C	7084+82.32	IWBCD2	RT.	Manhole, Pipe	1						36.00												1											
F																																		
P	S-476C	7084+82.32	IWBCD2	LT.	Inlet, Pipe	1						70.00																							
F																																		
P	S-476C1	7085+98.91	IWBCD2	LT.	Inlet, Pipe	1	90.00																												
F																																		
P	S-477C	7084+75.87	IWBCD2	RT.	MES, Pipe																														
F																																		
P	S-477C1	7084+82.32	IWBCD2	LT.	Manhole, Pipe	1						44.00												1											
F																																		
	Sheet Summary				P Total		782.0	203.0	0	0	0	150.0	0	0	0	0	0	0	0	0	0	0	1	2	2	0	0	2	0	0	0	2	1	0	0	0	0
					F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 83

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)									STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																	
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	S-455A	307+50.00	IA_CFP	RT.	1																			
F																								
P	S-456A	693+73.82	BL400	LT.																				
F																								
P	S-456C	7080+92.50	IWBCD2	RT.																				
F																								
P	S-457A	694+62.66	BL400	LT.																				
F																								
P	S-457A1	307+90.00	IA_CFP	RT.																				
F																								
P	S-457C	7080+92.68	IWBCD2	LT.		1																		
F																								
P	S-457C1	7081+98.55	IWBCD2	LT.	1																			
F																								
P	S-457C2	7081+98.55	IWBCD2	RT.																				
F																								
P	S-457O1	7080+92.68	IWBCD2	LT.																				ALT. A 4.00' DIA
F																								
P	S-457O2	7080+97.01	IWBCD2	LT.					1															1:2
F																								
P	S-458C	202+06.33	ISLIP2	RT.																				ALT. B 4.0'x5.0'
F																								
P	S-465C	202+56.35	ISLIP2	RT.																				ALT. B 4.0'x5.0'
F																								
P	S-466C	7082+92.67	IWBCD2	LT.	1																			
F																								
P	S-466C1	7083+99.38	IWBCD2	LT.	1																			
F																								
P	S-475C	7084+82.32	IWBCD2	RT.																				ALT. B 4.0'x7.0'
F																								
P	S-476C	7084+82.32	IWBCD2	LT.				1																ALT. B 4.0'x7.0'
F																								
P	S-476C1	7085+98.91	IWBCD2	LT.	1																			
F																								
P	S-477C	7084+75.87	IWBCD2	RT.										1										1:2
F																								
P	S-477C1	7084+82.32	IWBCD2	LT.																				ALT. B 4.0'x7.0'
F																								
Sheet Summary				P Total	5	1	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
				F Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 84

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)												TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	ADJUST	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-478C	678+12.30	BL400	RT.	MES																														
F																																			
P	S-479C	676+60.45	BL400	RT.	Manhole, Pipe	1								103.00									1												
F																																			
P	S-480C	676+60.45	BL400	RT.	Manhole, Pipe	1											144.00	144.00					1												
F																																			
P	S-482C	7084+92.46	IWBCD2	LT.	Manhole, Pipe	1								337.00									1												
F																																			
P	S-491A	676+26.07	BL400	RT.	MES, Pipe	1	28.00																												
F																																			
P	S-491C	7086+92.51	IWBCD2	RT.	Manhole, Pipe	1	37.00															1												
F																																			
P	S-492C	7086+92.51	IWBCD2	LT.	Inlet, Pipe	1	96.00																												
F																																			
P	S-492C1	7087+92.49	IWBCD2	LT.	Inlet, Pipe	1		96.00																											
F																																			
P	S-494A	676+95.00	BL400	RT.	MES, Pipe	1	27.00																												
F																																			
P	S-494B	676+60.45	BL400	RT.	Inlet, Pipe	1											102.00	102.00															1		
F																																			
P	S-494C	7087+92.49	IWBCD2	RT.	Manhole, Pipe	1	96.00															1												
F																																			
P	S-495C	7088+36.93	IWBCD2	LT.	Manhole, Pipe	1								81.00									1												
F																																			
P	S-496C	7088+37.27	IWBCD2	LT.	MES																														
F																																			
P	S-504C	7088+92.50	IWBCD2	RT.	Inlet, Pipe	1	37.00																							1					
F																																			
P	S-505C	7088+92.50	IWBCD2	LT.	Inlet, Pipe	1		96.00																											
F																																			
P	S-505C1	7089+92.51	IWBCD2	LT.	Inlet, Pipe	1		71.00																											
F																																			
P	S-508C	7089+92.51	IWBCD2	RT.	Inlet, Pipe	1	72.00																							1					
F																																			
P	S-519C	7090+67.94	IWBCD2	RT.	Inlet, Pipe	1	37.00																							1					
F																																			
P	S-520C	7090+67.94	IWBCD2	LT.	Inlet, Pipe	1		72.00																											
F																																			
Sheet Summary					P Total		430.0	335.0	0	0	0	0	0	521.0	0	0	0	246.0	0	0	0	0	2	4	0	0	3	0	0	0	0	0	0	1	0	0
					F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 85

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)									STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																	
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	S-478C	678+12.30	BL400	RT.												1								1:4
F																								
P	S-479C	676+60.45	BL400	RT.																				ALT. B 4.0'x9.0'
F																								
P	S-480C	676+60.45	BL400	RT.																				ALT. B 5.0'x8.0'; 144-LF OF 60" STEEL PIPE & CASING FOR JACK/ BORE OR MICROTUNNELING
F																								
P	S-482C	7084+92.46	IWBCD2	LT.																				ALT. B 9.0'x8.0'
F																								
P	S-491A	676+26.07	BL400	RT.					1															1:4
F																								
P	S-491C	7086+92.51	IWBCD2	RT.																				
F																								
P	S-492C	7086+92.51	IWBCD2	LT.	1																			
F																								
P	S-492C1	7087+92.49	IWBCD2	LT.			1																	ALT. B 4.0'x5.0'
F																								
P	S-494A	676+95.00	BL400	RT.					1															1:4
F																								
P	S-494B	676+60.45	BL400	RT.																				ALT. B 5.0'x8.0'; 102-LF OF 60" STEEL PIPE & CASING FOR JACK/ BORE OR MICROTUNNELING
F																								
P	S-494C	7087+92.49	IWBCD2	RT.																				ALT. B 4.0'x5.0'
F																								
P	S-495C	7088+36.93	IWBCD2	LT.																				ALT. B 9.0'x8.0'
F																								
P	S-496C	7088+37.27	IWBCD2	LT.												1								1:2
F																								
P	S-504C	7088+92.50	IWBCD2	RT.																				
F																								
P	S-505C	7088+92.50	IWBCD2	LT.			1																	ALT. B 4.0'x5.0'
F																								
P	S-505C1	7089+92.51	IWBCD2	LT.			1																	ALT. B 4.0'x5.0'
F																								
P	S-508C	7089+92.51	IWBCD2	RT.																				
F																								
P	S-519C	7090+67.94	IWBCD2	RT.																				
F																								
P	S-520C	7090+67.94	IWBCD2	LT.			1																	ALT. B 4.0'x5.0'
F																								
Sheet Summary	P Total				1	0	4	0	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
	F Total				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 86

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)												TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	ADJUST	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-520C1	7091+44.05	IWBCD2	LT.	Inlet, Pipe	1			71.00																										
F																																		
P	S-520C2	7092+20.04	IWBCD2	LT.	Inlet, Pipe	1			68.00																										
F																																		
P	S-525C	7091+44.05	IWBCD2	RT.	Inlet, Pipe	1	36.00																				1								
F																																		
P	S-537C	7092+92.50	IWBCD2	RT.	Inlet, Pipe	1	36.00																				1								
F																																		
P	S-538C	7092+92.50	IWBCD2	LT.	Inlet, Pipe	1			95.00																										
F																																		
P	S-538C1	7093+91.76	IWBCD2	LT.	Inlet, Pipe	1			99.00																										
F																																		
P	S-547C	7094+95.23	IWBCD2	RT.	Inlet, Pipe	1	36.00																				1								
F																																		
P	S-548C	7094+95.23	IWBCD2	LT.	Inlet, Pipe	1			57.00																										
F																																		
P	S-548C1	300+55.74	IA_CFP	LT.	Inlet, Pipe	1			79.00																										
F																																		
P	S-550C	400+55.90	IC_CFP	RT.	Manhole, Pipe	1	80.00																1												
F																																		
P	S-551C	401+39.93	IC_CFP	RT.	Manhole, Pipe	1	45.00																1												
F																																		
P	S-552C	301+39.50	IA_CFP	LT.	Inlet, Pipe	1			45.00																										
F																																		
P	S-560C	401+89.93	IC_CFP	RT.	Manhole, Pipe	1				35.00													1												
F																																		
P	S-561C	301+89.41	IA_CFP	LT.	Inlet, Pipe	1				29.00																									
F																																		
P	S-561C1	301+89.41	IA_CFP	LT.	Manhole, Pipe	1				118.00														1											
F																																		
P	S-562C	302+44.49	IA_CFP	LT.	MES																														
F																																		
P	S-566C	302+39.25	IA_CFP	LT.	Inlet, Pipe	1	45.00																												
F																																		
P	S-573C	303+90.69	IA_CFP	LT.	Inlet, Pipe	1						30.00																								
F																																		
P	S-574C	303+64.62	IA_CFP	LT.	MES																														
F																																		
	Sheet Summary				P Total		278.0	0	514.0	182.0	0	30.0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	3	0	0	0	0	0	0	0
					F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 87

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)									STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																	
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	S-520C1	7091+44.05	IWBCD2	LT.			1																	ALT. B 5.0'x5.0'
F																								
P	S-520C2	7092+20.04	IWBCD2	LT.			1																	ALT. B 5.0'x5.0'
F																								
P	S-525C	7091+44.05	IWBCD2	RT.																				
F																								
P	S-537C	7092+92.50	IWBCD2	RT.																				
F																								
P	S-538C	7092+92.50	IWBCD2	LT.			1																	ALT. B 5.0'x5.0'
F																								
P	S-538C1	7093+91.76	IWBCD2	LT.			1																	ALT. B 5.0'x5.0'
F																								
P	S-547C	7094+95.23	IWBCD2	RT.																				
F																								
P	S-548C	7094+95.23	IWBCD2	LT.			1																	ALT. B 5.0'x5.0'
F																								
P	S-548C1	300+55.74	IA_CFP	LT.			1																	ALT. B 5.0'x5.0'
F																								
P	S-550C	400+55.90	IC_CFP	RT.																				ALT. B 4.0'x5.0'
F																								
P	S-551C	401+39.93	IC_CFP	RT.																				ALT. B 4.0'x5.0'
F																								
P	S-552C	301+39.50	IA_CFP	LT.			1																	ALT. B 5.0'x5.0'
F																								
P	S-560C	401+89.93	IC_CFP	RT.																				ALT. B 4.0'x5.0'
F																								
P	S-561C	301+89.41	IA_CFP	LT.			1																	ALT. B 5.0'x5.0'
F																								
P	S-561C1	301+89.41	IA_CFP	LT.																				ALT. A 6.00' DIA
F																								
P	S-562C	302+44.49	IA_CFP	LT.								1												1:2
F																								
P	S-566C	302+39.25	IA_CFP	LT.			1																	ALT. B 6.0'x5.0'
F																								
P	S-573C	303+90.69	IA_CFP	LT.				1																ALT. B 6.0'x5.0'
F																								
P	S-574C	303+64.62	IA_CFP	LT.										1										1:2
F																								
Sheet Summary				P Total	0	0	9	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	
				F Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 88

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL (LF)												TYPE 1 CURB INLETS (EA)		TYPE 7 MANHOLES (EA)						SHOULDER BARRIER WALL INLETS (EA)				TYPE E DITCH BOTTOM INLETS (EA)					
							ROUND									ELLIP	JACK AND BORE		P-BOT	J-BOT	P-BOT		J-BOT		PARTIAL	ADJUST	P-BOT		J-BOT		P-BOT		J-BOT		MODIFY	
							18"	24"	30"	36"	42"	48"	54"	60"	66"	38"x60"	54"	60"	<10'	>10'	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-574C1	303+90.66	IA_CFP	LT.	Manhole, Pipe	1						96.00												1											
F																																		
P	S-607C	405+81.27	IC_CFP	RT.	Manhole, Pipe	1								56.00										1											
F																																		
P	S-608C	405+78.27	IC_CFP	LT.	Manhole, Pipe	1								45.00										1											
F																																		
P	S-609C	405+26.36	IC_CFP	LT.	Manhole, Pipe	1								32.00										1											
F																																		
P	S-610C	305+25.55	IA_CFP	LT.	Inlet, Pipe	1								21.00																					
F																																		
P	S-611C	305+25.76	IA_CFP	LT.	Manhole, Pipe	1								337.00										1											
F																																		
P	S-612C	1003+47.77	POND142	RT.	Manhole, Pipe	1								78.00										1											
F																																		
P	S-613C	1003+46.57	POND142	RT.	Manhole, Pipe	1								334.00										1											
F																																		
P	S-614A	305+77.20	IA_CFP	LT.	Inlet, Pipe	1	47.00																												
F																																		
P	S-634C	1006+87.78	POND142	RT.	Manhole, Pipe	1								99.00										1											
F																																		
P	S-634C1	1006+87.78	POND142	RT.	Manhole, Pipe	1								53.00										1											
F																																		
P	S-635C	1006+86.16	POND142	RT.	MES																														
F																																		
P	J-141O1	654+60.34	BL400	RT.	Inlet, Pipe	1							336.00																					1		
F																																		
P	J-141O2	658+01.26	BL400	RT.	Inlet, Pipe	1											85.00																	1		
F																																		
P	J-141O3	658+01.26	BL400	LT.	Inlet, Pipe	1							118.00																			1				
F																																		
P	CSPND-MODC	616+17.51	IC_DCP	RT.	Inlet, Pipe	1				80.00																									
F																																		
P	S-204E	109+51.60	CLDCP	LT.	Manhole, Pipe	1		8.00																		1									
F																																		
P																																		
F																																		
	Sheet Summary				P Total		47.0	8.0	0	80.00	0	96.0	454.0	1055.0	0	0	85.0	0	0	0	0	0	0	9	0	1	0	0	0	1	0	0	0	2	0	0
					F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Summary				P Total		12537.0	5681.0	5395.0	650.0	1203.0	1700.0	730.0	1665.0	0	36.0	249.0	290.0	11	1	15	5	20	37	0	5	47	4	12	13	42	2	15	11	5	0
					F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 89

QUANTITY	STR. NO.	STATION	ALIGNMENT	SIDE	TYPE S GUTTER INLETS (EA)				CROSS DRAIN MITERED END SECTIONS (EA)									STRAIGHT CONC. EW (CY)			RUBBLE RIP RAP	SODDING	FLOWABLE FILL	REMARKS
					P-BOT		J-BOT																	
					<10'	>10'	<10'	>10'	18"	24"	30"	36"	42"	48"	54"	60"	66"	18"	24"	48"	TN	SY	CY	
P	S-574C1	303+90.66	IA_CFP	LT.																				ALT. B 6.0'x4.0'
F																								
P	S-607C	405+81.27	IC_CFP	RT.																				ALT. B 5.0'x7.0'
F																								
P	S-608C	405+78.27	IC_CFP	LT.																				ALT. B 8.0'x7.0'
F																								
P	S-609C	405+26.36	IC_CFP	LT.																				ALT. B 8.0'x7.0'
F																								
P	S-610C	305+25.55	IA_CFP	LT.				1																ALT. B 5.0'x7.0'
F																								
P	S-611C	305+25.76	IA_CFP	LT.																				ALT. B 5.0'x8.0'
F																								
P	S-612C	1003+47.77	POND142	RT.																				ALT. B 5.0'x8.0'
F																								
P	S-613C	1003+46.57	POND142	RT.																				ALT. B 8.0'x7.0'
F																								
P	S-614A	305+77.20	IA_CFP	LT.	1																			
F																								
P	S-634C	1006+87.78	POND142	RT.																				ALT. B 8.0'x7.0'
F																								
P	S-634C1	1006+87.78	POND142	RT.																				ALT. B 5.0'x8.0'
F																								
P	S-635C	1006+86.16	POND142	RT.												1								
F																								
P	J-141O1	654+60.34	BL400	RT.																				ALT. B 7.0'x6.0'
F																								
P	J-141O2	658+01.26	BL400	RT.																				ALT. B 7.0'x6.0'; WALL ZONE PIPE - STEEL
F																								
P	J-141O3	658+01.26	BL400	LT.																				ALT. B 7.0'x6.0'; WALL ZONE PIPE - STEEL
F																								
P	CSPND-MODC	616+17.51	IC_DCP	RT.								1												MODIFIED TYPE E (SEE CONTROL STRUCTURE DETAIL FOR FURTHER INFORMATION) MES 1:2
F																								
P	S-204E	109+51.60	CLDCP	LT.																			3.86	EXIST STRUCTURE TO REMAIN; 24" CONCRETE COLLAR CONNECTION; 59-LF OF 18" FLOWABLE FILL
F																								
P																								
F																								
Sheet Summary	P Total				1	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	3.86	
	F Total				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Summary	P Total				68	2	34	6	15	4	3	3	2	6	1	3	0	4.68	4.48	0	48.0	0	3.86	
	F Total				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL, 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 90

GENERAL NOTES

1. The Contractor may use any of the optional pipe materials tabulated for a given structure. Only the material options tabulated for a given structure can be used.

2. Adjustment to the bid quantities, prices and payment will not be allowed due to increase or decrease in structure size, shape, length, width, depth or accessory construction necessary to accommodate the use of an optional pipe material other than the "plotted" option; likewise there will be no added or reduced compensation for structure alterations required to relieve utility conflicts which arise from the use of an optional material other than the "plotted" option.

3. Adjustment to the bid quantities, prices and payment will not be allowed due to increased or decreased excavation, bedding, borrow, backfilling, compaction, special installation requirements or disposal of excess materials due to use of any of the pipe optional materials. Likewise, adjustment in the quantities, prices and payment will not be allowed due to differences in end treatment size or types, pipe length, alternate jointing and connecting materials, saddles, cradles, filter fabrics, shoring or similar features due to the use of an optional material other than the "plotted" option.

4. If adjustments are required due to plan errors or omissions or authorized field changes, the "plotted" material and not the material elected by the Contractor would be used to establish new pay quantities.

5. The Contractor shall notify the Department in writing as to which optional pipe material he chooses to use at the preconstruction conference. Once identified the contactor may not change pipe material selected without the approval of the Engineer.

LEGEND:

NRCP - NON-REINFORCED CONCRETE PIPE
RCP - STEEL-REINFORCED CONCRETE PIPE
PVC - POLYVINYL CHLORIDE (ASTM F-949)
SRASP - SPIRAL RIB ALUMINIZED STEEL PIPE, 12 GA.
SRAP - SPIRAL RIB ALUMINUM PIPE, 12 GA.
HDPE - HIGH DENSITY POLYETHYLENE, CLASS II
SRSP - SPIRAL RIB STEEL PIPE, 12 GA.
PP - POLYPROPYLENE PIPE
SRPE - STEEL REINFORCED POLYETHYLENE PIPE
SP - STEEL PIPE

STORM SEWER & CROSS DRAIN (100 YR DSL)					
STRUCTURE	SIZE (Inches)	MATERIAL	PLOTTED	AS BUILT	REMARKS
S-100C, S-101A, S-102A, S-102C	18	RCP	X		
S-103A, S-104C, S-105C, S-107A		NRCP, SRAP, SRASP, PVC,			
S-109A, S-109C, S-110A, S-110C		HDPE CLASS II, PP			
S-111C, S-112A, S-113A, S-120A					
S-121A, S-122A, S-123A, S-124A					
S-125A, S-126A, S-127A, S-128A					
S-129A, S-200A, S-202C, S-204A					
S-215C, S-226C, S-229C, S-236C					
S-243C, S-246C, S-249C, S-250C					
S-252C, S-258C, S-259C1					
S-259C2, S-266C, S-268C, S-277C					
S-282C, S-284C, S-286C, S-287C					
S-288C, S-289C, S-300A, S-301A					
S-302A, S-303A, S-305A, S-305C					
S-306A, S-306C, S-308A, S-308C					
S-309A, S-309C, S-311A, S-311C					
S-313A, S-313C, S-314A, S-314C					
S-315A, S-316A, S-317A, S-317C					
S-318A, S-318C, S-319A, S-319C					
S-320A, S-320C, S-321A, S-322A					
S-322C, S-323A, S-325A, S-326A					
S-326C, S-327A, S-327C, S-329C					
S-331A, S-332A, S-332C, S-335C					
S-340C1, S-348C1, S-348C2					
S-368C, S-371C, S-377C, S-380C					
S-385C1, S-392C, S-398C, S-399C					
S-399C1, S-400A, S-401A, S-402A					
S-403A, S-405A, S-406C, S-408A					
S-411A, S-412A, S-415A, S-415C					
S-416A, S-417A, S-418A, S-420C					
CS-141B1, CS-141B2					
CS-142B1, CS-142B2					
S-428A, S-428C, S-431C, S-433A	18	RCP	X		
S-433A1, S-434A, S-437C, S-438C1		NRCP, SRAP, SRSP, SRASP			
S-439A1, S-442A, S-444A, S-445C		PVC, HDPE CLASS II, PP			
S-447C, S-448C, S-448C1, S-450A					
S-451A, S-452A, S-453A, S-454A					
S-455A, S-456C, S-457A1, S-457C1					
S-457C2, S-457D1, S-458C, S-465C					
S-466C, S-466C1, S-476C1, S-491C					
S-492C, S-494A, S-494C, S-504C					
S-508C, S-519C, S-525C, S-537C					
S-547C, S-550C, S-551C, S-566C					
S-614C, BSL217, CS-141B3, CS141B4					
S-244C, S-320A, S-323C, S-334C	18	RCP CLASS IV	X		
S-336C		NRCP CLASS IV, SRAP			
		SRASP, PVC			
S-237C, S-247C, S-248C, S-315C	18	RCP CLASS III	X		
		NRCP CLASS III, SRAP			
		SRASP, PVC			

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL, 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

OPTIONAL MATERIALS TABULATION (1)

SHEET NO. 91

PRELIMINARY: NOT FOR CONSTRUCTION

robert.martini 8/22/2019 10:29:08 AM c:\pwworking\aecom_na\rmartini\d0164799\DR0MRD01.DGN

STORM SEWER & CROSS DRAIN (100 YR DSL)

STRUCTURE	SIZE (Inches)	MATERIAL	PLOTTED	AS BUILT	REMARKS
CS-140B3A	18	RCP CLASS II	X		
		NRCP CLASS II, SRAP, PVC			
		SRASP, PP, HDPE CLASS II			
S-491A	18	RCP	X		
		NRCP, SRASP, PVC, PP			
		HDPE CLASS II			
S-276C, S-280C, S-281C, S-283C	18	SP	X		
S-310A, S-312A, S-328C, S-376C		PVC, PP			
S-379C					
S-259C, S-267C, S-333C, S-365C	18	SP	X		
		PVC			
S-206A	24	SP	X		
S-103C, S-104A, S-105A, S-303C	24	RCP	X		
S-304A, S-304C, S-307C, S-314A		NRCP, SRAP, SRASP, PVC			
S-367C, S-404A, S-407A, S-407C		HDPE CLASS II, PP			
S-407C1, S-410A, S-410A1, S-415B					
S-416A, S-416B, S-416C, S-416C1					
S-419A, S-420A, S-421A					
BSL202, BSL203					
S-337C	24	RCP CLASS IV	X		
		NRCP CLASS IV, SRAP			
		SRSP, SRASP, PVC			
S-378C	24	RCP CLASS III	X		
		NRCP CLASS III, SRAP, PVC			
		SRSP, SRASP, PP			
S-106C, S-114A, S-116A, S-117A	24	RCP	X		
S-118A, S-119A, S-201A, S-203A		NRCP, SRAP, SRSP, SRASP			
S-205A, S-206C, S-211C, S-219C		PVC, PP, HDPE CLASS II			
S-224C, S-243C, S-256C, S-261C					
S-264C, S-328A, S-329A, S-338C					
S-364C, S-370C, S-375C, S-391C					
S-407A1, S-421C, S-421C1, S-422A					
S-423A, S-437A, S-438A, S-439A					
S-440A, S-441A, S-443C, S-456A					
S-457A, S-492C1, S-505C, S-505C1					
S-520C, BSL201					
S-367C	30	RCP	X		
		NRCP, SRAP, SRASP, PVC			
		HDPE CLASS II, PP			
S-310C, S-372C, S-373C, S-373C1		RCP	X		
S-373C2, S-384C, BSL204, BSL205	30	NRCP, SRAP, SRASP, PVC			
BSL206, BSL207		HDPE CLASS II, SRPE, PP			

STORM SEWER & CROSS DRAIN (100 YR DSL)

STRUCTURE	SIZE (Inches)	MATERIAL	PLOTTED	AS BUILT	REMARKS
S-312C, S-316C, S-355C, S-361C	30	RCP	X		
S-424A, S-425A, S-426A, S-429C		NRCP, SRAP, SRSP, SRASP			
S-429C1, S-430A, S-431A, S-432A		PVC, SRPE, HDPE CLASS II			
S-435A, S-436A, S-440A, S-446A		PP			
S-447A, S-448A, S-520C1, S-520C2					
S-538C, S-538C1, S-548C, S-548C1					
S-552C, BSL208, BSL209, BSL210					
BSL211, BSL212, BSL213, BSL214					
BSL215, BSL216A, FPC141A					
S-321C, S-324C, S-325C, S-438C	36	RCP	X		
S-439C1, S-560C, S-561C		NRCP, SRAP, SRSP, SRASP			
		PVC, SRPE, HDPE CLASS II			
		PP			
S-561C1	36	RCP	X		
		NRCP, SRAP, SRSP, SRASP			
		PVC, SRPE, PP			
S-330C, S-331C, S-339C, S-340C	42	RCP	X		
S-348C		SRAP, SRSP, SRASP			
		HDPE CLASS II, SRPE, PP			
S-386C1	42	RCP CLASS II	X		
		SRAP, SRASP, SRPE, PP			
S-385C	42	RCP CLASS II	X		
		SRAP, SRASP, SRPE, PP			
		HDPE CLASS II			
S-106A	48	RCP	X		
		SRAP, SRASP, SRPE, PP			
		HDPE CLASS II			
S-113C, S-213C, S-356C, S-475C	48	RCP	X		
S-476C, S-573C, BSL216, FPC141B		SRAP, SRSP, SRASP, SRPE			
		HDPE CLASS II, PP			
S-477C1	48	RCP CLASS III	X		
		SRAP, SRSP, SRASP, SRPE			
		PP			
S-574C1	48	RCP	X		
		SRAP, SRSP, SRASP, SRPE			
		PP			

LEGEND:

NRCP - NON-REINFORCED CONCRETE PIPE
RCP - STEEL-REINFORCED CONCRETE PIPE
PVC - POLYVINYL CHLORIDE (ASTM F-949)
SRASP - SPIRAL RIB ALUMINIZED STEEL PIPE, 12 GA.
SRAP - SPIRAL RIB ALUMINUM PIPE, 12 GA.
HDPE - HIGH DENSITY POLYETHYLENE, CLASS II
SRSP - SPIRAL RIB STEEL PIPE, 12 GA.
PP - POLYPROPYLENE PIPE
SRPE - STEEL REINFORCED POLYETHYLENE PIPE
SP - STEEL PIPE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

OPTIONAL MATERIALS TABULATION (2)

SHEET NO. 92

PRELIMINARY: NOT FOR CONSTRUCTION

robert.martini 8/22/2019 10:29:10 AM c:\pwworking\aecom_na\r.martini\d0164799\DR0MRD02.DGN

STORM SEWER & CROSS DRAIN (100 YR DSL)

STRUCTURE	SIZE (Inches)	MATERIAL	PLOTTED	AS BUILT	REMARKS
S-212C, S-220C	48	RCP CLASS II	X		
		SRAP, SRSP, SRASP, SRPE			
		PP			
S-270C, S-271C, S-272C	48	SP	X		
S-389C	54	RCP CLASS II	X		
		SRAP, SRASP, SRPE			
S-449A, J-14101	54	RCP	X		
		SRAP, SRASP, SRPE			
S-393C	54	RCP CLASS III	X		
		SRAP, SRASP, SRPE			
S-357C, J-14102, J14103	54	SP	X		
S-480C, S-494B	60	SP	X		
S-612C, S-613C, S-634C	60	RCP CLASS II	X		
		SRAP, SRSP, SRASP			
		HDPE CLASS II, SRPE, PP			
S-495C, S-607C, S-608C, S-609C	60	RCP CLASS III	X		
		SRAP, SRSP, SRASP			
		SRPE, PP			
S-427A	60	RCP	X		
		SRAP, SRSP, SRASP			
		SRPE			
S-634CI	60	RCP CLASS IV	X		
		SRAP, SRSP, SRASP, SRPE			
S-610C	60	RCP CLASS IV	X		
		SRSP, SRASP, SRPE			
S-611C	60	RCP CLASS V	X		
		SRSP, SRASP			
S-479C, S-479CI, S-482C, S-495C	60	RCP CLASS III	X		
		SRAP, SRSP, SRASP, SRPE			

WALL ZONE PIPES (B)

STRUCTURE	SIZE (Inches)	MINIMUM WALL THICKNESS (IN.)
J-14102	54	0.625
J-14103	54	0.625
S-206A	24	0.312
S-259C	18	0.250
S-262C	24	0.312
S-267C	18	0.250
S-270C	48	0.625
S-271C	48	0.625
S-272C	48	0.625
S-276A	18	0.250
S-280C	18	0.250
S-281C	18	0.250
S-283C	18	0.250
S-310A	18	0.250
S-312A	18	0.250
S-328C	18	0.250
S-333C	18	0.250
S-357C	54	0.625
S-365C	18	0.250
S-376C	18	0.250
S-379C	18	0.250
S-480C	60	0.625
S-494B	60	0.625

LEGEND:

NRCP - NON-REINFORCED CONCRETE PIPE
RCP - STEEL-REINFORCED CONCRETE PIPE
PVC - POLYVINYL CHLORIDE (ASTM F-949)
SRASP - SPIRAL RIB ALUMINIZED STEEL PIPE, 12 GA.
SRAP - SPIRAL RIB ALUMINUM PIPE, 12 GA.
HDPE - HIGH DENSITY POLYETHYLENE, CLASS II
SRSP - SPIRAL RIB STEEL PIPE, 12 GA.
PP - POLYPROPYLENE PIPE
SRPE - STEEL REINFORCED POLYETHYLENE PIPE
SP - STEEL PIPE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL, 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

OPTIONAL MATERIALS TABULATION (3)

SHEET NO. 93

PRELIMINARY: NOT FOR CONSTRUCTION

robert.martini 8/22/2019 10:29:14 AM c:\pwworking\aecom_na\rmartini\d0164799\DROMRD03.DGN

Chain	Curve No.	Point Type	Station	Northing	Easting	Bearing	Radius (ft)	Length (ft)	Delta	Rotation Direction	Degree of Curvature	Tangent (ft)	Chord (ft)	e ft/ft	Design Speed (mph)
BL SURVEY SR 400 (I-4)		P.O.T.	515+01.36	1,467,062.8942	491,317.4523										
						N 38°39'53" E									
		P.O.T.	535+01.01	1,468,624.2581	492,566.7592										
						N 38°39'53" E									
		P.O.T.	598+69.18	1,473,596.6263	496,545.3411										
						N 38°39'53" E									
		P.O.T.	637+90.95	1,476,658.8045	498,995.5068										
						N 38°36'21" E									
		P.O.T.	703+81.25	1,481,808.8316	503,107.5943										
						N 38°36'21" E									
	C713	P.C.	703+81.25	1,481,808.8316	503,107.5943										
		P.I.	713+82.08	1,482,590.9362	503,732.0731		2862.32	1925.59	38°32'42"	LT	2°00'6"	1000.83	1889.49	EXIST	N/A
		C.C.		1,483,594.8067	500,870.8179										
		P.T.	723+06.84	1,483,591.7660	503,733.1363										
						N 0°03'39" E									
		P.O.T.	723+06.84	1,483,591.7660	503,733.1363										
BL SURVEY SR 535		P.O.T.	569+55.78	1,460,859.6664	498,076.9192										
						N 36°53'44" W									
	535A	P.C.	617+52.40	1,464,695.6739	495,197.2281										
		P.I.	624+38.57	1,465,244.4263	494,785.2797		2864.79	1346.97	26°56'22"	RT	2°00'00"	686.17	1334.59	EXIST	45
		C.C		1,466,415.5742	497,488.2900										
		P.T.	630+99.37	1,465,920.2636	494,666.6435										
						N 9°57'22" W									
		P.O.T.	675+35.92	1,470,289.9988	493,899.5820										
						N 9°56'14" W									
		P.O.T.	705+99.35	1,473,307.4766	493,370.9351										
BL SURVEY CENTRAL FLORIDA PKWY	CFC1	P.C.	30+89.41	1,482,002.3272	503,622.0822										
		P.I.	33+29.29	1,481,883.3044	503,830.3447		1426.39	475.30	19°05'32"	LT	4°1'00"	239.87	473.11	EXIST	N/A
		C.C.		1,483,240.7404	504,329.8401										
		P.T.	35+64.72	1,481,838.9486	504,066.0824										
						S 79°20'38" E									
	CFC2	P.C.	39+08.30	1,481,775.4650	504,403.7465										
		P.I.	43+01.90	1,481,702.4754	504,790.5235		2297.83	779.64	19°26'25"	RT	2°29'37"	393.60	775.91	EXIST	N/A
		C.C.		1,479,517.4892	503,977.6386										
		P.T.	46+87.94	1,481,504.9191	505,130.9577										
						S 59°52'23" E									
		P.O.T.	49+99.98	1,481,348.4458	505,400.9316										
BL SURVEY TURKEY LAKE ROAD	TLCUR1	P.C.	150+14.96	1,482,351.8342	502,995.7193										
		P.I.	153+34.30	1,482,509.4761	502,718.0093		230.00	435.44	108°28'24"	RT	24°54'40"	319.33	373.26	EXIST	N/A
		C.C.		1,482,551.8549	503,109.2610										
		P.T.	154+50.40	1,482,722.9251	502,955.5243										
						N 48°03'17" E									
	TLCUR2	P.C.	157+69.00	1,482,935.8790	503,192.4882										
		P.I.	161+94.11	1,483,220.0361	503,508.6835		955.34	799.96	47°58'38"	LT	5°59'51"	425.12	776.80	EXIST	N/A
		C.C.		1,483,646.4452	502,553.9194										
		P.T.	165+68.96	1,483,645.1529	503,509.2585										
						N 0°04'39" E									
	TLCUR3	P.C.	165+68.96	1,483,645.1529	503,509.2585										
		P.I.	168+94.53	1,483,970.7217	503,509.6989		2888.04	648.40	12°51'49"	LT	1°59'2"	325.57	647.04	EXIST	N/A
		C.C.		1,483,649.0594	500,621.2211										
		P.T.	172+17.36	1,484,288.2176	503,437.6465										

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

CURVE & COORDINATE DATA

SHEET NO. 94

Chain	Curve No.	Point Type	Station	Northing	Easting	Bearing	Radius (ft)	Length (ft)	Delta	Rotation Direction	Degree of Curvature	Tangent (ft)	Chord (ft)	e ft/ft	Design Speed (mph)
IWBCD2	IWBCD2_1	P.C.	7054+13.67	1,477,328.0086	499,429.2283										
		P.I.	7060+42.40	1,477,819.3370	499,821.5313		15000.00	1256.73	4°48'1"	LT	0°22'55"	628.73	1256.36	NC	60
		C.C.		1,486,687.3778	487,707.3595										
		P.T.	7066+70.40	1,478,341.7714	500,171.3418										
						N 33°48'19" E									
	IWBCD2_2	P.C.	7066+70.40	1,478,341.7714	500,171.3418										
		P.I.	7072+70.96	1,478,840.7970	500,505.4782		15000.00	1200.48	4°35'8"	RT	0°22'55"	600.56	1200.16	NC	60
		C.C.		1,469,996.1650	512,635.3241										
		P.T.	7078+70.88	1,479,311.5121	500,878.4406										
						N 38°23'27" E									
		P.O.T.	7095+00.88	1,480,589.0934	501,890.7083										
DARYL CARTER PKWY		P.O.T.	100+00.00	1,477,959.5354	498,497.9869										
						S 51°21'11" E									
		P.O.T.	125+42.77	1,476,371.5296	500,483.9150										
EB DCP		P.O.T.	200+00.00	1,477,683.9966	498,820.1529										
						S 51°21'11" E									
	EBDCP1	P.C.	203+15.90	1,477,486.7116	499,066.8736										
		P.I.	203+50.72	1,477,464.9655	499,094.0688		200.00	68.95	19°45'10"	LT	28°38'52"	34.82	68.61	NC	25
		C.C.		1,477,642.9136	499,191.7772										
		P.T.	203+84.85	1,477,453.6899	499,127.0133										
						S 71°06'21" E									
	EBDCP2	P.C.	204+69.33	1,477,426.3328	499,206.9434										
		P.I.	205+08.33	1,477,413.7042	499,243.8412		224.00	77.22	19°45'10"	RT	25°34'43"	39.00	76.84	NC	25
		C.C.		1,477,214.4022	499,134.4078										
		P.T.	205+46.56	1,477,389.3485	499,274.2999										
						S 51°21'11" E									
	EBDCP3	P.C.	210+09.43	1,477,100.2769	499,635.8071										
		P.I.	210+49.58	1,477,075.1991	499,667.1689		224.00	79.47	20°19'35"	RT	25°34'43"	40.16	79.05	NC	25
		C.C.		1,476,925.3306	499,495.9150										
		P.T.	210+88.89	1,477,040.7888	499,687.8665										
						S 31°01'36" E									
	EBDCP4	P.C.	212+01.45	1,476,944.3395	499,745.8805										
		P.I.	212+37.30	1,476,913.6160	499,764.3605		200.00	70.95	20°19'35"	LT	28°38'52"	35.85	70.58	NC	25
		C.C.		1,477,047.4272	499,917.2658										
		P.T.	212+72.40	1,476,891.2252	499,792.3621										
						S 51°21'11 E									
		P.O.T.	215+96.64	1,476,688.7299	500,045.5986										
WB DCP		P.O.T.	300+00.00	1,477,715.2370	498,845.1336										
						S 51°21'11" E									
	WBDCP1	P.C.	303+10.29	1,477,521.4545	499,087.4742										
		P.I.	303+49.62	1,477,496.8958	499,118.1867		200.00	77.66	22°14'50"	RT	28°38'52"	39.32	77.17	NC	25
		C.C.		1,477,365.2524	498,962.5705										
		P.T.	303+87.95	1,477,462.5375	499,137.3149										
						S 29°06'21" E									
	WBDCP2	P.C.	304+77.59	1,477,384.2199	499,180.9165										
		P.I.	305+21.63	1,477,345.7385	499,202.3402		224.00	86.98	22°14'50"	LT	25°34'43"	44.04	86.43	NC	25
		C.C.		1,477,493.1791	499,376.6303										
		P.T.	305+64.56	1,477,318.2329	499,236.7382										
						S 51°21'11" E									

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

CURVE & COORDINATE DATA

SHEET NO. 95

Chain	Curve No.	Point Type	Station	Northing	Easting	Bearing	Radius (ft)	Length (ft)	Delta	Rotation Direction	Degree of Curvature	Tangent (ft)	Chord (ft)	e ft/ft	Design Speed (mph)
	WBDCP3	P.C.	310+10.91	1,477,039.4816	499,585.3390										
		P.I.	310+53.79	1,477,012.7026	499,618.8282		224.00	84.73	21°40'25"	LT	25°34'43"	42.88	84.23	NC	25
		C.C.		1,477,214.4278	499,725.2311										
		P.T.	310+95.64	1,477,000.1850	499,659.8399										
						S 73°01'36" E									
	WBDCP4	P.C.	311+81.41	1,476,975.1470	499,741.8726										
		P.I.	312+21.99	1,476,963.3000	499,780.6872		212.00	80.19	21°40'25"	RT	27°01'35"	40.58	79.72	NC	25
		C.C.		1,476,772.3814	499,679.9845										
		P.T.	312+61.61	1,476,937.9556	499,812.3824										
						S 51°21'11" E									
		P.O.T.	317+73.70	1,476,618.1429	500,212.3337										
1A_CFP	IA_CFP_1	P.C.	300+00.00	1,480,603.9980	501,871.8973										
		P.I.	302+47.08	1,480,797.6588	502,025.3408		8350.00	494.02	3°23'23"	LT	0°41'10"	247.08	493.95	NC	50
		C.C.		1,485,789.5412	495,327.2322										
		P.T.	304+94.02	1,481,000.0538	502,167.0648										
						N 35°00'04" E									
		P.O.T.	310+36.97	1,481,444.8039	502,478.4942										
IB_CFP	IB_CFP1	P.C.	100+00.00	1,480,220.0093	501,956.4044										
		P.I.	102+17.40	1,480,390.0908	502,091.8042		5000.00	434.52	4°58'45"	RT	1°08'45"	217.40	434.38	EXIST	N/A
		C.C.		1,477,105.8742	505,868.2023										
		P.T.	104+34.52	1,480,547.7786	502,241.4552										
						N 43°30'07" E									
		P.O.T.	106+00.00	1,480,667.8112	502,355.3702										
IB_DCP		P.O.T.	496+46.69	1,475,671.6493	498,322.5754										
						N 42°39'45" E									
	IB_DCP_1	P.C.	499+70.88	1,475,910.0458	498,542.2732										
		P.I.	502+05.71	1,476,082.7320	498,701.4147		3980.00	469.12	6°45'12"	RT	1°26'23"	234.83	468.85	0.03	50
		C.C.		1,473,212.8815	501,468.9957										
		P.T.	504+40.00	1,476,235.5054	498,879.7594										
						N 49°24'58" E									
	IB_DCP_2	P.C.	506+90.09	1,476,398.2025	499,069.6888										
		P.I.	509+35.00	1,476,557.5361	499,255.6918		4584.00	489.37	6°07'00"	LT	1°15'00"	244.92	489.14	0.026	50
		C.C.		1,479,879.5361	496,087.5131										
		P.T.	511+79.46	1,476,735.7818	499,423.6583										
						N 43°17'58" E									
		P.O.T.	515+58.37	1,477,011.5477	499,683.5212										
IC1_535		P.O.T.	900+00.00	1,469,574.2536	494,092.3989										
						N 5°59'28" W									
	IC1_5351	P.C.	902+65.09	1,469,837.8918	494,064.7307										
		P.I.	904+55.42	1,470,027.1895	494,044.8644		600.00	368.62	35°12'4"	RT	9°32'57"	190.34	362.85	EXIST	50
		C.C.		1,469,900.5163	494,661.4536										
		P.T.	906+33.71	1,470,193.3230	494,137.7512										
						N 29°12'36" E									
	IC1_5352	P.C.	913+37.56	1,470,807.6728	494,481.2396										
		P.I.	915+74.49	1,471,014.4671	494,596.8602		2865.00	472.77	9°27'17"	RT	1°59'59"	236.92	472.23	EXIST	50
		C.C.		1,469,409.5207	496,981.9187										
		P.T.	918+10.33	1,471,199.4597	494,744.8797										

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

CURVE & COORDINATE DATA

SHEET NO. 96

Chain	Curve No.	Point Type	Station	Northing	Easting	Bearing	Radius (ft)	Length (ft)	Delta	Rotation Direction	Degree of Curvature	Tangent (ft)	Chord (ft)	e ft/ft	Design Speed (mph)
IC_CFP	IC_CFP_1	P.C.	400+00.00	1,480,589.0935	501,890.7083										
		P.I.	402+09.42	1,480,753.2329	502,020.7611		15000.00	418.81	1°35'59"	RT	0°22'55"	209.42	418.79	NC	50
		C.C.		1,471,273.7464	513,647.5918										
		P.T.	404+18.81	1,480,913.6776	502,155.3455										
						N 39°59'26" E									
	IC_CFP_2	P.C.	404+18.81	1,480,913.6776	502,155.3454										
		P.I.	406+48.33	1,481,089.5240	502,302.8490		6171.00	458.83	4°15'36"	LT	0°55'42"	229.52	458.72	RC	50
		C.C.		1,484,879.5453	497,427.4353										
		P.T.	408+77.63	1,481,275.8417	502,436.8825										
						N 35°43'50" E									
		P.O.T.	409+35.00	1,481,322.4091	502,470.3822										
IC_DCP		P.O.T.	600+00.00	1,477,003.2005	499,693.9601										
						N 33°08'34" E									
	IC_DCP1	P.C.	605+97.57	1,477,503.5495	500,020.6645										
		P.I.	608+20.08	1,477,689.8634	500,142.3188		8337.00	444.92	3°03'28"	LT	0°41'14"	222.51	444.87	NC	50
		C.C.		1,482,061.5996	493,039.9949										
		P.T.	610+42.49	1,477,882.4013	500,253.8615										
						N 50°05'06" E									
	IC_DCP2	P.C.	612+75.32	1,478,083.8619	500,370.5733										
		P.I.	618+96.16	1,478,621.0661	500,681.7910		8350.00	1239.40	8°30'16"	RT	0°41'10"	620.84	1238.27	NC	50
		C.C.		1,473,898.1469	507,595.6886										
		P.T.	625+14.72	1,479,106.3383	501,069.0323										
D_DCP		P.O.T.	700+00.00	1,477,411.1040	499,183.8441										
						N 44°32'29" E									
	D_DCP1	P.C.	702+94.00	1,477,620.6507	499,390.0629										
		P.I.	705+02.74	1,477,769.4263	499,536.4758		10000.00	417.41	2°23'30"	RT	0°34'23"	208.74	417.38	NC	50
		C.C.		1,470,606.4056	506,517.5005										
		P.T.	707+11.41	1,477,911.9626	499,688.9693										
						N 46°55'59" E									
	D_DCP2	P.C.	708+31.41	1,477,993.9049	499,776.6360										
		P.I.	712+30.42	1,478,266.3703	500,068.1352		3900.00	795.25	11°41'00"	LT	1°28'9"	399.01	793.88	0.03	50
		C.C.		1,480,843.0721	497,113.5089										
		P.T.	716+26.67	1,478,592.2195	500,298.4205										
						N 35°14'59" E									
		P.O.T.	717+26.89	1,478,674.0676	500,356.2646										
ISLIP1	ISLIP1_1	P.C.	100+00.00	1,477,323.9471	499,408.1682										
		P.I.	102+04.05	1,477,483.3311	499,535.5785		6000.00	407.94	3°53'44"	LT	0°57'18"	204.05	407.87	0.035	50
		C.C.		1,481,070.3794	494,721.5655										
		P.T.	104+07.94	1,477,651.0029	499,651.8661										
						N 34°44'35" E									
	ISLIP1_2	P.C.	110+29.62	1,478,161.8443	500,006.1567										
		P.I.	112+29.64	1,478,326.2044	500,120.1475		11459.16	400.00	2°00'0"	RT	0°30'0"	200.02	399.98	NC	50
		C.C.		1,471,631.3140	509,422.3407										
		P.T.	114+29.62	1,478,486.4861	500,239.8050										

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

CURVE & COORDINATE DATA

SHEET NO. 97

Chain	Curve No.	Point Type	Station	Northing	Easting	Bearing	Radius (ft)	Length (ft)	Delta	Rotation Direction	Degree of Curvature	Tangent (ft)	Chord (ft)	e ft/ft	Design Speed (mph)
ISLIP2	ISLIP2_1	P.C.	200+00.00	1,479,441.0835	500,981.1041										
		P.I.	203+18.95	1,479,691.0717	501,179.1775		8337.00	637.58	4°22'54"	RT	0°41'14"	318.95	637.43	NC	50
		C.C.		1,474,263.6137	507,515.5800										
		P.T.	206+37.58	1,479,925.1960	501,395.7715										
						N 42°46'22" E									
	BL SHIFT 15' LT	P.O.T.	206+37.58	1,479,935.3824	501,384.7608										
						N 42°46'22" E									
		P.O.T.	218+60.78	1,480,833.2750	502,215.4229										
POND141	PND1411	P.C.	608+22.61	1,478,409.9292	499,418.4028										
		P.I.	611+28.88	1,478,648.8704	499,609.9928		1995.00	607.79	17°27'20"	RT	2°52'19"	306.27	605.44	N/A	N/A
		C.C.		1,477,161.9272	500,974.8465										
		P.T.	614+30.40	1,478,819.3379	499,864.4342										
						N 56°10'45" E									
	PND1412	P.C.	616+11.74	1,478,919.8457	500,015.3716										
		P.I.	619+55.60	1,479,110.4328	500,301.5855		2205.00	682.23	17°43'39"	LT	2°35'54"	343.86	679.51	N/A	N/A
		C.C.		1,480,755.1734	498,793.2447										
		P.T.	622+93.97	1,479,379.1190	500,516.1771										
						N 38°36'48" E									
		P.O.T.	629+78.78	1,479,914.2139	500,943.5413										
						N 36°48'58" E									
	PND1413	P.C.	640+72.55	1,480,789.8441	501,598.9802										
		P.I.	644+47.71	1,481,090.1870	501,823.7970		6268.79	749.44	17°27'20"	LT	17°27'20"	375.16	748.99	N/A	N/A
		C.C.		1,484,546.4074	496,580.4186										
		P.T.	648+21.98	1,481,415.1990	502,011.1885										
POND142		P.O.T.	1000+00.00	1,481,149.8237	501,350.7835										
						N 33°22'50" E									
		P.O.T.	1021+00.00	1,482,903.3955	502,506.1994										
LAT DITCH		P.O.T.	100+00.00	1,477,978.5225	499,529.1417										
						N 0°14'13" E									
		P.O.T.	106+18.17	1,478,596.6915	499,531.6982										

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

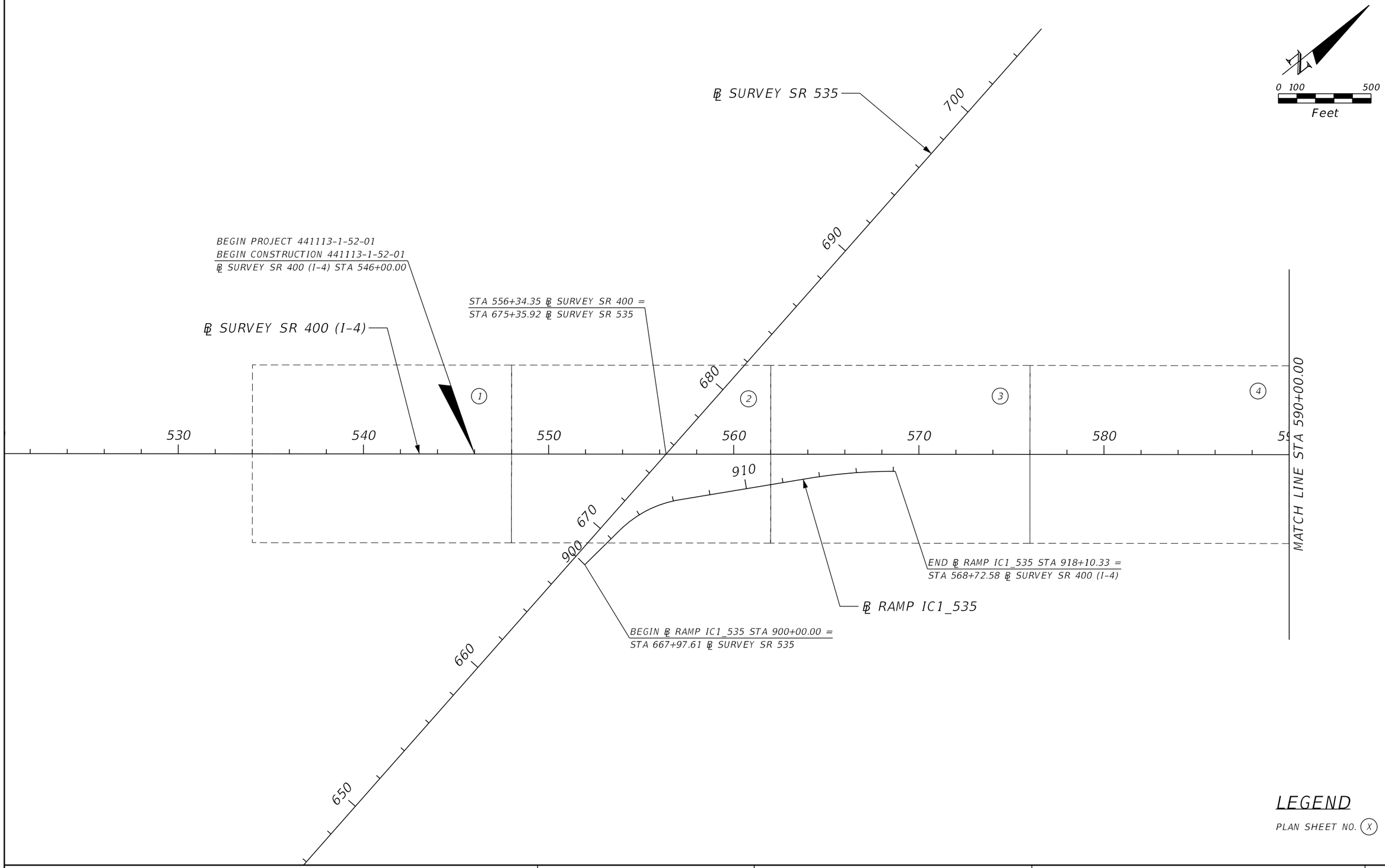
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

CURVE & COORDINATE DATA

SHEET NO. 98



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PROJECT LAYOUT (1)

SHEET NO. 99

robert.martini 8/22/2019 10:29:42 AM c:\pwworking\aecom_na\rmartini\d0164870\PLAYRD01.DGN

DARYL CARTER PKWY STA EQUATIONS (WEST OF I-4)

1) STA 108+13.40 ℄ DARYL CARTER PKWY = STA 203+91.45 ℄ EB DCP

2) STA 108+36.87 ℄ DARYL CARTER PKWY = STA 304+17.30 ℄ WB DCP

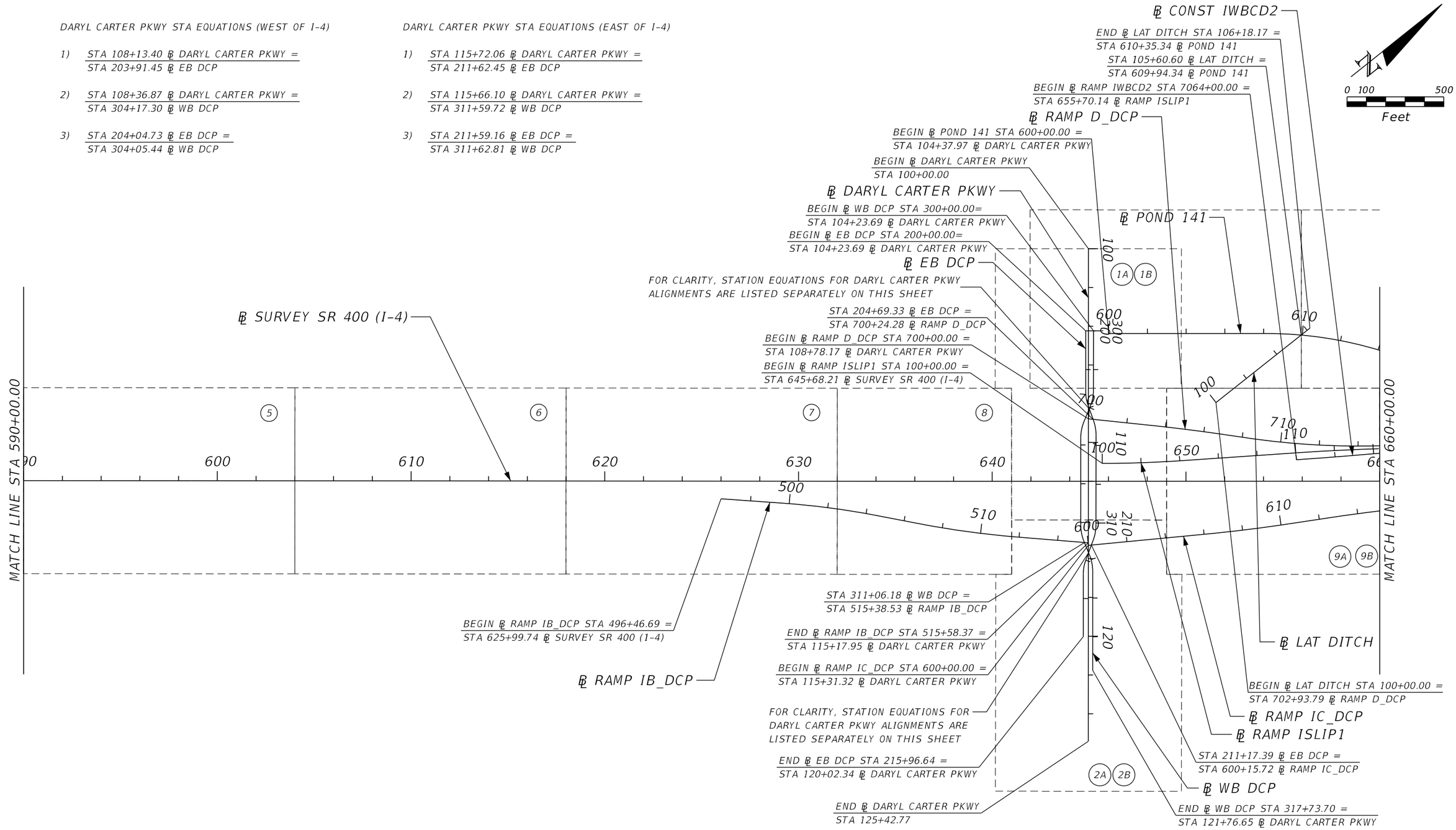
3) STA 204+04.73 ℄ EB DCP = STA 304+05.44 ℄ WB DCP

DARYL CARTER PKWY STA EQUATIONS (EAST OF I-4)

1) STA 115+72.06 ℄ DARYL CARTER PKWY = STA 211+62.45 ℄ EB DCP

2) STA 115+66.10 ℄ DARYL CARTER PKWY = STA 311+59.72 ℄ WB DCP

3) STA 211+59.16 ℄ EB DCP = STA 311+62.81 ℄ WB DCP



LEGEND

PLAN SHEET NO. (X)

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

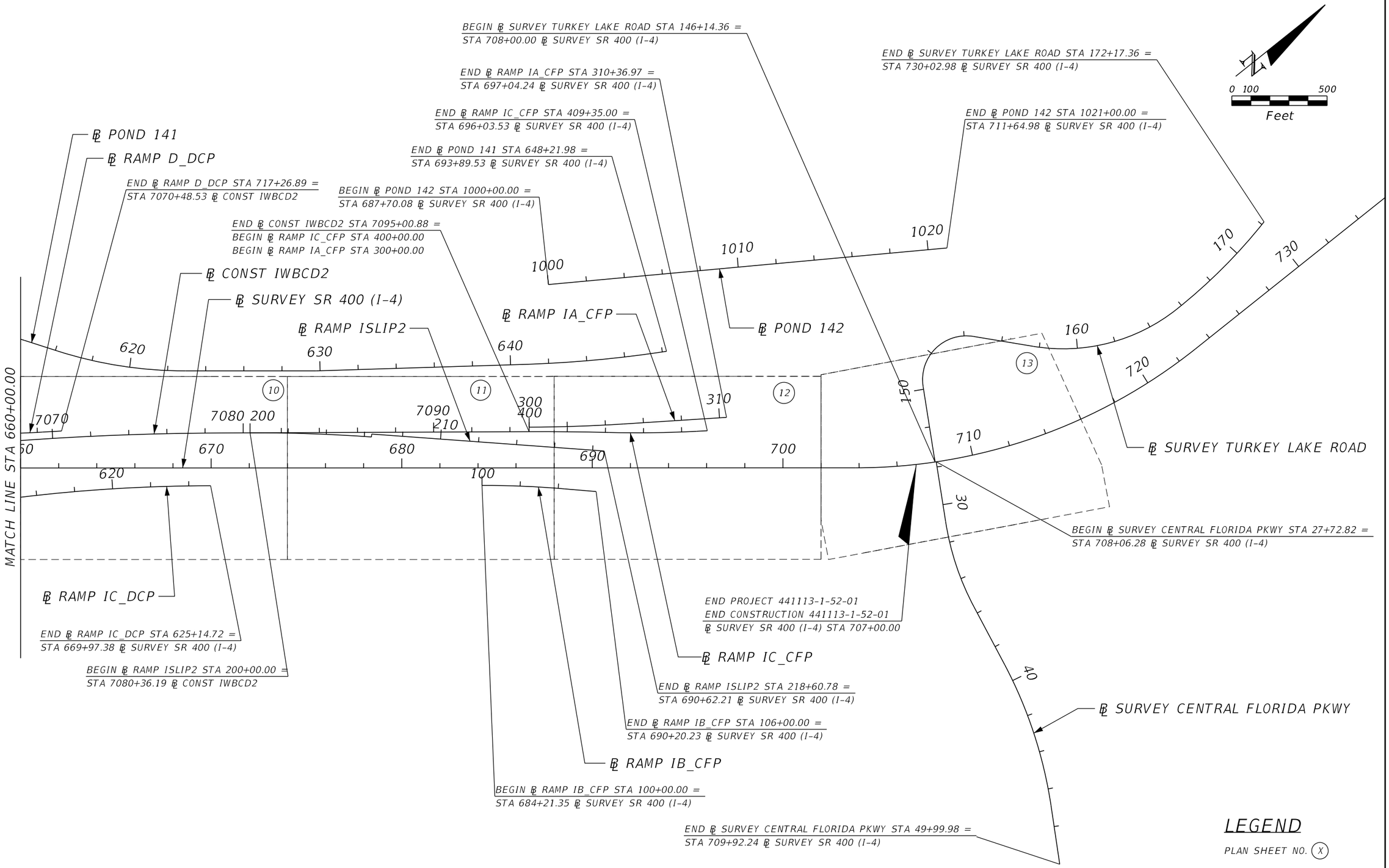
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PROJECT LAYOUT (2)

SHEET NO. 100

robert.martini 8/22/2019 10:29:45 AM c:\pwworking\aecom_na\r.martini\d0164870\PLAYRD02.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PROJECT LAYOUT (3)

SHEET NO. 101

robert.martini 8/22/2019 10:29:47 AM c:\pwworking\aecom_na\r.martini\d0164870\PLAYRD03.DGN

BENCHMARK DESCRIPTIONS:

BM51404021
4"x4" CMON
WITH FDOT DISC STAMPED
"D5 PNC 51404021"
STA 627+48.25, 141.57' RT
EL = 130.18

BM51403005
4"x4" CMON
WITH FDOT 3.5" BRASS DISC STAMPED
"D5 PNC 51 403005"
STA 633+82.41, 111.38' RT
EL = 131.98

BM51404022
4"x4" CMON
WITH FDOT DISC STAMPED
"D5 PNC 51404022"
STA 637+53.96, 141.63' RT
EL = 133.62

BM51404023
4"x4" CMON
WITH FDOT DISC STAMPED
"D5 PNC 51404023"
STA 647+57.17, 383.73' RT
EL = 132.30

BM51404024
4"x4" CMON
WITH FDOT DISC STAMPED
"D5 PNC 51404024"
STA 658+02.41, 125.61' RT
EL = 121.41

BM51404025
4"x4" CMON
WITH FDOT DISC STAMPED
"D5 PNC 51404025"
STA 668+28.67, 87.54' RT
EL = 108.36

BM51404026
4"x4" CMON
WITH FDOT DISC STAMPED
"D5 PNC 51404026"
STA 677+71.00, 138.69' RT
EL = 106.92

BM51404027
4"x4" CMON
WITH FDOT DISC STAMPED
"D5 PNC 51404027"
STA 688+55.06, 157.30' RT
EL = 114.63

BM51403006
4"x4" CMON
WITH FDOT DISC STAMPED
"D5 PNC 51403006"
STA 696+07.40, 803.08' LT
EL = 112.26

BM51404028
4"x4" CMON
WITH FDOT DISC STAMPED
"D5 PNC 51404028"
STA 697+28.52, 158.87' RT
EL = 108.17

BM51404029
4"x4" CMON
WITH FDOT DISC STAMPED
"D5 PNC 51404029"
STA 707+08.16, 164.56' RT
EL = 107.02

BM51403007
4"x4" CMON
WITH FDOT DISC STAMPED
"D5 PNC 51403007"
STA 708+67.10, 748.36' LT
EL = 109.84

PROJECT CONTROL NOTES:

1. THE VERTICAL DATUM USED FOR THIS PLAN SET IS THE NORTH AMERICAN VERTICAL DATUM (NAVD 1988).

2. THE HORIZONTAL DATUM USED FOR THIS PLAN SET IS THE NORTH AMERICAN DATUM OF NAD 1983/90.

3. ANY NAVD 1988 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED. IF IN DANGER OF DAMAGE, CONTRACTOR SHALL NOTIFY:
   NATIONAL OCEAN SERVICE ADVISOR
   C/O DEPARTMENT OF NATURAL RESOURCES
   BUREAU OF SURVEYING & MAPPING
   3900 COMMONWEALTH BOULEVARD
   TALLAHASSEE, FL 32803
   TELEPHONE (850) 488-2427

LEGEND:

CMON = CONCRETE MONUMENT
D5 = DISTRICT FIVE
EL = ELEVATION
FDOT = FLORIDA DEPARTMENT OF TRANSPORTATION
FND = FOUND
ID = IDENTIFICATION
IRC = IRON ROD AND CAP
LT = LEFT
PNC = PROJECT NETWORK CONTROL
REF PT = REFERENCE POINT
RT = RIGHT
STA = STATION

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Thomas J. Barry, P.S.M.
Florida Certificate No. 4695
Surveyor Business LB 7860
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

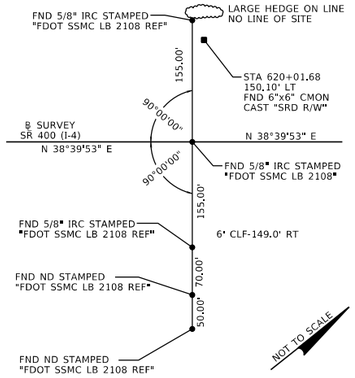
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

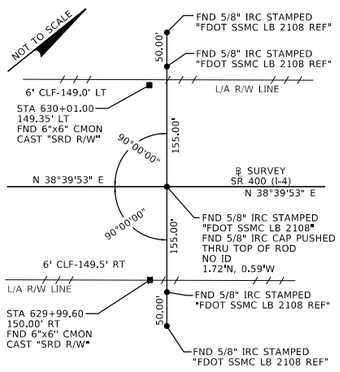
SR 400 (I-4)
PROJECT CONTROL (1)

SHEET NO. 102

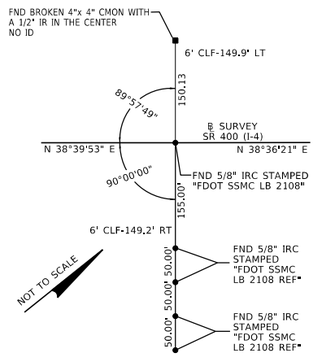
REFERENCE TIES SR 400



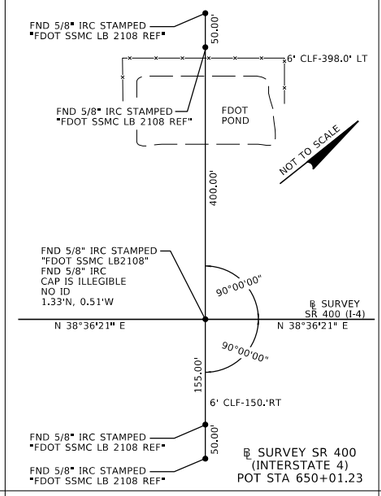
℄ SURVEY SR 400
(INTERSTATE 4)
POT STA 620+01.25



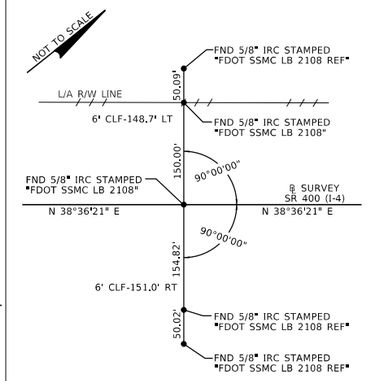
℄ SURVEY SR 400
(INTERSTATE 4)
POT STA 630+01.18



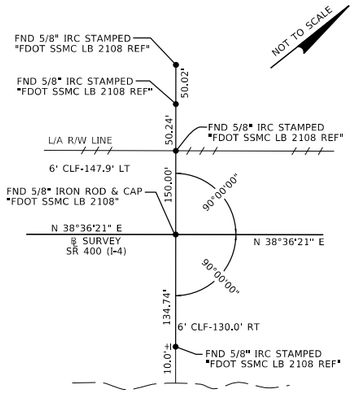
℄ SURVEY SR 400
(INTERSTATE 4)
PI STA 637+90.95
Δ=00°03'32"(LT)



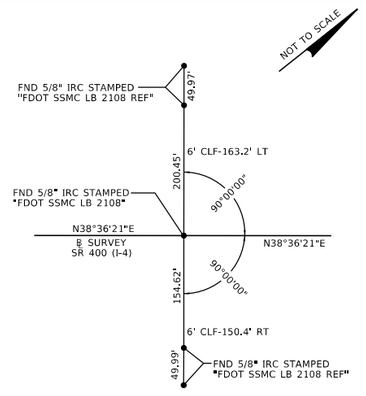
℄ SURVEY SR 400
(INTERSTATE 4)
POT STA 650+01.23



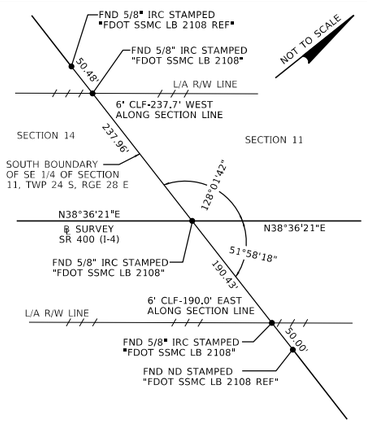
℄ SURVEY SR 400
(INTERSTATE 4)
POT STA 660+46.05



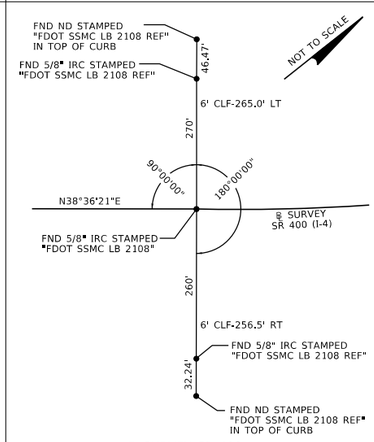
℄ SURVEY SR 400
(INTERSTATE 4)
POT STA 670+01.23



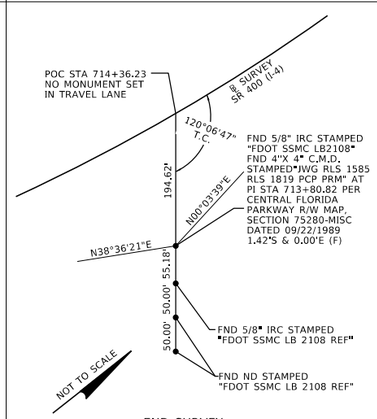
℄ SURVEY SR 400
(INTERSTATE 4)
POT STA 680+01.22



℄ SURVEY SR 400
(INTERSTATE 4)
POT STA 689+12.17



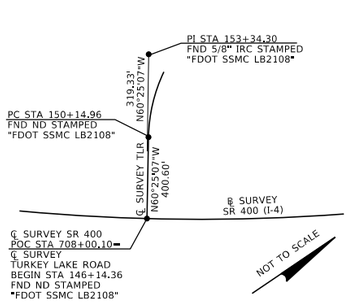
℄ SURVEY SR 400
(INTERSTATE 4)
PC STA 703+81.25



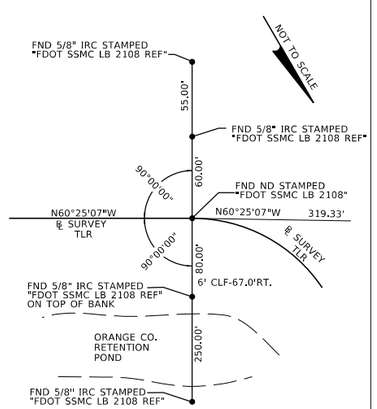
℄ SURVEY SR 400
(INTERSTATE 4)
PI STA 713+82.08
Δ= 38°32'42" LT.

BASELINE STATION	NORTHING (Y)	EASTING (X)
620+01.25	1475261.3805	497877.3745
630+01.18	1476042.1420	498502.0916
637+90.95	1476658.8045	498995.5068
650+01.23	1477604.5875	499750.6761
660+46.05	1478421.0680	500402.6027
670+01.23	1479167.4989	500998.5975
680+01.22	1479948.9469	501622.5519
689+12.17	1480660.8171	502190.9514
703+81.25	1481808.8316	503107.5943
713+82.08	1482590.9362	503732.0731
146+14.36 (708+00.10)	1482154.0720	503344.1071
150+14.96	1482351.8342	502955.7193
154+61.67	1482730.4553	502963.9035
157+69.00	1482935.8790	503192.4883

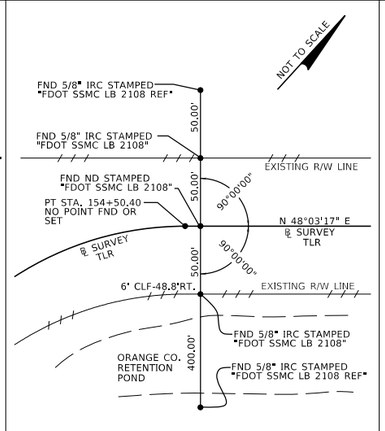
REFERENCE TIES TURKEY LAKE ROAD



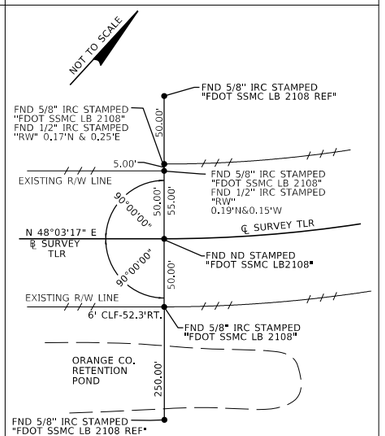
BEGIN SURVEY
℄ SURVEY
TURKEY LAKE ROAD
STA 146+14.36=
℄ SURVEY SR 400 (I-4)
POC STA 708+00.10



℄ SURVEY
TURKEY LAKE ROAD
PC STA 150+14.96



℄ SURVEY
TURKEY LAKE ROAD
POT STA 154+61.67



℄ SURVEY
TURKEY LAKE ROAD
PC STA 157+69.00

LEGEND
℄ : BASELINE
FDOT : FLORIDA DEPARTMENT OF TRANSPORTATION
IRC : IRON ROD & CAP
CLF : CHAIN LINK FENCE
POT POINT ON TANGENT
STA : STATION
REF : REFERENCE
SSMC : SOUTHEAETERN SURVEY AND MAPPING
PI : POINT OF INTERSECTION
SR : STATE ROAD
C.M.D. : CONCRETE MONUMENT WITH DISK
POC : POINT ON CURVE
FND : FOUND

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Thomas J. Barry, P.S.M.
Florida Certificate No. 4695
Surveyor Business LB 7860
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
PROJECT CONTROL (2)

SHEET NO. 103

TOWNSHIP 24 SOUTH, RANGE 28 EAST

SECTION 15

SECTION 14

SECTION 11

NOT TO SCALE

℄ SURVEY
TURKEY LAKE ROAD

℄ SURVEY SR 400 (I-4)

620+00

640+00

660+00

680+00

700+00

720+00

N 38°39'53" E

N 38°36'21" E

N 60°25'07" W

N 48°03'17" E

15

22

23

14

BEGIN R/W PROJECT
FP 441113-1
POT STA 620+83.22
NO POINT SET OR FND
N = 1475325.3801
E = 497928.5830

PI STA 637+90.95
Δ = 00°03'32" LT
FND 5/8" IRC
"FDOT SSMC LB 2108"
N = 1476658.8045
E = 498995.5068

POT STA 689+12.17
FND 5/8" IRC
"FDOT SSMC LB 2108"
N=1480660.8171
E=502190.9514

PT STA 154+50.40
NO POINT SET OR FND
N = 1482722.9251
E = 502955.5243
P.O.T. STA 154+61.67
FND ND
"FDOT SSMC LB 2108"
N=1482730.4553
E=502963.9035

PC STA 150+14.96
FND ND
"FDOT SSMC LB 2108"
N = 1482351.8342
E = 502955.7193

END OF SURVEY
PC STA 157+69.00
FND ND
"FDOT SSMC LB 2108"
N=1482935.8790
E=503192.4883

51403006

51403007

NGAK1775

51403005

POT STA 620+01.25
FND 5/8" IRC
"FDOT SSMC LB 2108"
N = 1475261.3805
E = 497877.3745

POT STA 630+01.18
FND 5/8" IRC
"FDOT SSMC LB 2108"
N= 1476042.1420
E=498502.0916

POT STA 650+01.23
FND 5/8" IRC
"FDOT SSMC LB 2108"
N=1477604.5875
E=499750.6761

POT STA 660+46.05
FND 5/8" IRC
"FDOT SSMC LB 2108"
N=1478421.0680
E=500402.6027

POT STA 670+01.23
FND 5/8" IRC
"FDOT SSMC LB 2108"
N=1479167.4989
E=500998.5975

POT STA 680+01.22
FND 5/8" IRC
"FDOT SSMC LB 2108"
N=1479948.9469
E=501622.5519

PC STA 703+81.25
FND 5/8" IRC
"FDOT SSMC LB 2108"
N = 1481808.8316
E = 503107.5943

END R/W PROJECT
PI STA 713+82.08
FND 5/8" IRC
"FDOT SSMC LB 2108"
FND 4x4 C.M.D.
"JWG RLS 1585 RLS 1819
PCP PRM"
N = 1482590.9362
E = 503732.0731

POC STA 708+00.10
SR 400 (I-4)=
POT STA 146+14.36
TURKEY LAKE ROAD
FND ND
"FDOT SSMC LB 2108"
N = 1482154.0720
E = 503344.1071

LEGEND:
IRC : IRON ROD & CAP
FDOT : FLORIDA DEPARTMENT OF TRANSPORTATION
LB : LAND SURVEY BUSINESS REGISTRATION NUMBER
SSMC : SOUTHEAST SURVEY AND MAPPING
N : NORTH
E : EAST
P.O.T. : POINT ON TANGENT
R/W : RIGHT-OF-WAY
ND : NAIL & DISC
PC : POINT OF COMMENCEMENT
POC : POINT ON CURVE
PI : POINT OF INTERSECTION
PT : POINT OF TANGENT
℄ : BASELINE

HORIZONTAL CONTROL

	X	Y	LATITUDE	LONGITUDE	SCALE FACTOR	CONVERGENCE
NGAAK1775	498262.859	1475510.810	28-23-30.86253	81-29-28.03576	.99996975	0-14-00.8
51403005	498827.235	1476270.226	28-23-38.40438	81-29-21.75121	.99996955	0-13-57.8
51403006	501997.171	1481705.196	28-24-32.34322	81-28-46.50032	.99996842	0-13-41.5
51403007	502721.862	1482573.800	28-24-40.97192	81-28-38.42350	.99996816	0-13-37.7

HORIZ: NAD 83/90
VERT: NAVD 88

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Thomas J. Barry, P.S.M.
Florida Certificate No. 4695
Surveyor Business LB 7860
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
PROJECT CONTROL (3)

SHEET NO.
104

GENERAL NOTES:

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

2. FOR COMPARISON PURPOSES, A CONVERSION FACTOR OF 0.80' SHOULD BE USED WHEN COMPARING 1929 NGVD ELEVATIONS. ACTUAL DIFFERENCES BETWEEN 1929 NGVD AND 1988 NAVD VARIES PER LOCATION AND SHOULD BE VERIFIED PER SITE LOCATION. NOTE THAT 1988 NAVD ELEVATIONS ARE LOWER THAN 1929 NGVD ELEVATIONS.

3. SIGN CONVENTION FOR ROADWAY CROSS SLOPE, AS DETAILED IN THE ROADWAY PROFILES, IS AS FOLLOWS:

4. SPECIAL EVENT DAYS FOR THIS PROJECT INCLUDE:
   UNIVERSITY OF CENTRAL FLORIDA HOME GAMES
   RED HOT & BOOM FIREWORK DISPLAY
   DAYTONA BIKE WEEK
   BIKETOBERFEST

5. THE CONTRACTOR SHALL PLAN, SCHEDULE, AND COORDINATE THE SEQUENCE OF WORK WITH THE ENGINEER AND CONTRACTOR FOR THE FPID PROJECT 242484-7-52-01 (I-4 BTU SEGMENT 2 DESIGN BUILD), WHICH WILL BE CONSTRUCTED CONCURRENTLY WITH THE FPID PROJECT 441113-1-52-01 PROJECT.

6. BARRIER WALL INLET AND CONCRETE BARRIER WALL INLET (C&G) OFFSETS ARE CALLED OUT AT GRATE ELEVATION LOCATION, BACK OF INLET AT WALL FACE.

7. SHOULDER GUTTER INLET OFFSETS AND ELEVATIONS ARE CALLED OUT AT THE EDGE OF PAVEMENT/ FACE OF SHOULDER.

8. CURB INLETS ELEVATIONS ARE CALLED OUT AT THE EDGE OF PAVEMENT/ FACE OF GUTTER.

9. CONTRACTOR SHALL VIDEO ALL EXISTING DRAINAGE CONVEYANCE WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN TO ASSURE THAT THE EXISTING SYSTEM IS IN ADEQUATE CONDITION. THE VIDEO WILL BE PROVIDED TO THE ENGINEER FOR FURTHER DETERMINATION PRIOR TO COMMENCEMENT OF WORK. VIDEO OF THE CONVEYANCE SHALL EXTEND, AS NEEDED, TO THE OUTLET OF THE SYSTEM.

10. DITCH BOTTOM INLETS SHALL USE STEEL GRATES UNLESS OTHERWISE APPROVED BY THE ENGINEER OF RECORD.

11. THE CONTRACTOR SHALL REMOVE ANY SECTION OF ANY EXISTING UTILITIES TO BE PLACED OUT OF SERVICE AND LEFT IN PLACE, THAT IS IN CONFLICT WITH ANY PROPOSED STRUCTURE FOUNDATIONS, PROPOSED DRAINAGE STRUCTURES AND PIPES, PROPOSED NOISE WALLS, PROPOSED RETAINING OR GRAVITY WALLS, PROPOSED MISCELLANEOUS STRUCTURES, AND ANY PROPOSED UTILITIES AS REQUIRED AFTER THE UTILITY OWNERS HAS PLACED SAID EXISTING UTILITIES OUT OF SERVICE. ALL EXISTING UTILITIES REMOVED WILL BECOME THE PROPERTY OF THE CONTRACTOR AND IS TO BE REMOVED FROM THE PROJECT SITE TO BE DISPOSED OF PROPERLY AND LEGALLY.

12. SOME FORM OF GROUNDWATER CONTROL (DEWATERING) MAY BE REQUIRED DURING CONSTRUCTION IN AREAS OF HIGH OR PERCHED GROUNDWATER CONDITIONS. POSITIVE SITE DRAINAGE SHOULD BE ESTABLISHED EARLY DURING CONSTRUCTION IN ORDER TO REDUCE PONDING OF SURFACE WATER DURING HEAVY OR PROLONGED RAINS.

13. GROUNDWATER MAY PERCH TEMPORARILY AT HIGHER LEVELS ON TOP OF CLAYEY SOILS (STRATA 3, 4 AND 5) DURING PERIODS OF HEAVY AND/OR PROLONGED RAINFALL.

14. THE CONTRACTOR SHALL DISPOSE OF MILLED MATERIAL AWAY FROM THE PROJECT SITE AT A LOCATION PROVIDED BY HER/HIM. NO MILLED MATERIAL SHALL BE STOCKPILED WITHIN THE PROJECT RIGHT OF WAY. THIS SHALL INCLUDE MATERIAL REMOVED BY THE CONSTRUCTION OF THE GROUND IN RUMBLE STRIPS. THE CONTRACTOR SHALL NOT SWEEP MILLED ASPHALT ONTO UNPAVED SHOULDERS.

15. ALL STAKING OF PROPOSED CONSTRUCTION TO ALLOW FOR PROPER INSTALLATION/RELOCATION OF UTILITY FACILITIES, AS INDICATED ON THE UTILITY RELOCATION SCHEDULES, SHALL BE PERFORMED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE IMPACTED UTILITIES AND STAKE THE ITEMS REQUESTED. THIS STAKING SHALL BE SEPARATE AND IN ADDITION TO THE NORMAL STAKING FOR THE PROJECT. THE COST OF THIS STAKING SHALL BE INCIDENTAL TO AND INCLUDED IN THE COST OF THIS PROJECT.

16. WHERE THE LIMITED ACCESS RIGHT-OF-WAY IS ADJACENT TO PRIVATE PROPERTY, SECURE THIS RIGHT-OF-WAY AT ALL TIMES BY A FENCE, EITHER TEMPORARY OR PERMANENT, THAT MEETS THE HEIGHT OF ANY EXISTING FENCE OR THE HEIGHT REQUIRED IN THE CONTRACT. ALL MATERIALS, LABOR, EQUIPMENT AND MISCELLANEOUS ITEMS NECESSARY FOR CONNECTING EXISTING FENCE TO PROPOSED FENCE WILL BE CONSIDERED A SUBSIDIARY OBLIGATION OF THE CONTRACTOR AND INCLUDED IN OTHER ITEMS OF WORK.

17. THE CONTRACTOR SHALL NOT BRING ANY HAZARDOUS MATERIALS ONTO THE PROJECT. SHOULD THE CONTRACTOR REQUIRE SUCH FOR PERFORMING THE CONTRACTED WORK, THE CONTRACTOR SHALL REQUEST, IN WRITING, WRITTEN PERMISSION FROM THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A COPY OF THE MATERIALS SAFETY DATA SHEET (MSDS) FOR EACH HAZARDOUS MATERIAL PROPOSED FOR USE. BECAUSE STATE LAW DOES NOT TREAT PETROLEUM PRODUCTS THAT ARE PROPERLY CONTAINERIZED AND INTENDED FOR EQUIPMENT USE AS A HAZARDOUS MATERIAL, SUCH PRODUCTS DO NOT NEED MSDS SUBMITTAL. ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER, WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE ENGINEER IS TO NOTIFY THE AUTHORITY (FDOT) OF THE DISCOVERY. THE AUTHORITY WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION, AND REMEDIATION OF THE HAZARDOUS MATERIAL. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE ENGINEER.

UTILITY GENERAL NOTES:

1. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATION BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.

2. UTILITY/AGENCY OWNERS:

COMPANY	TELEPHONE NUMBER
AT&T FLORIDA - DISTRIBUTION	407-351-8180
CENTURYLINK	407-841-5293
CHARTER COMMUNICATION	407-532-8509
COMCAST COMMUNICATIONS	407-849-3611
DUKE ENERGY - DISTRIBUTION	352-459-4671
DUKE ENERGY - TRANSMISSION	813-909-1210
LEVEL 3 COMMUNICATIONS	407-754-0106
ORANGE COUNTY PUBLIC WORKS	407-836-7804
ORANGE COUNTY UTILITIES W/S	407-254-9718
ORLANDO TELEPHONE/SUMMIT BROADBAND	407-595-7329
SMART CITY SOLUTIONS	407-828-6648
TECO	407-420-2678
VERIZON/MCI	813-635-0640

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

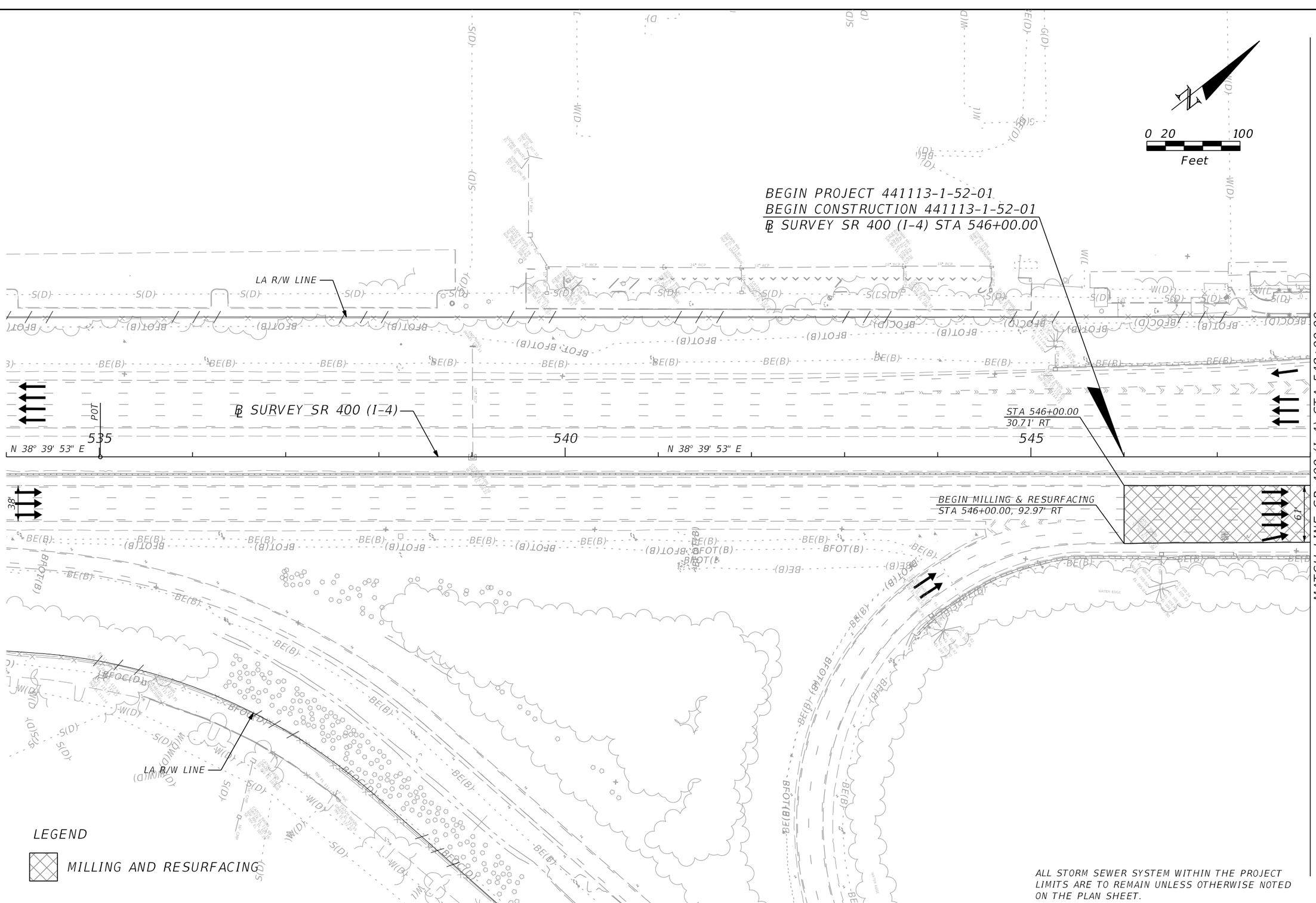
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL, 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

GENERAL NOTES

SHEET NO. 105



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

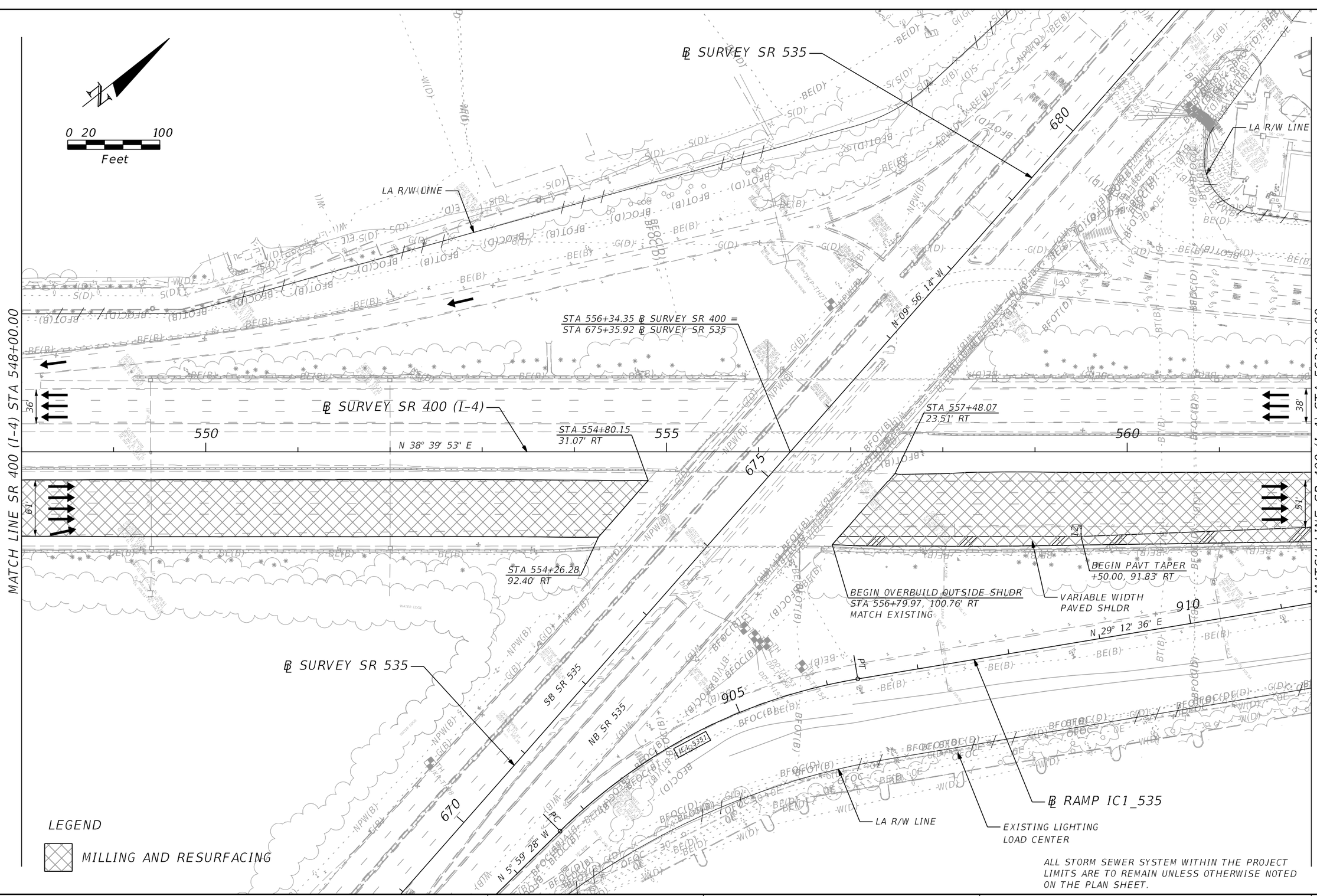
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) - PLAN 1

SHEET NO.
106

robert.martini 8/22/2019 10:30:03 AM c:\pwworking\aecom_na\rmartini\d0164870\PLANRD01.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

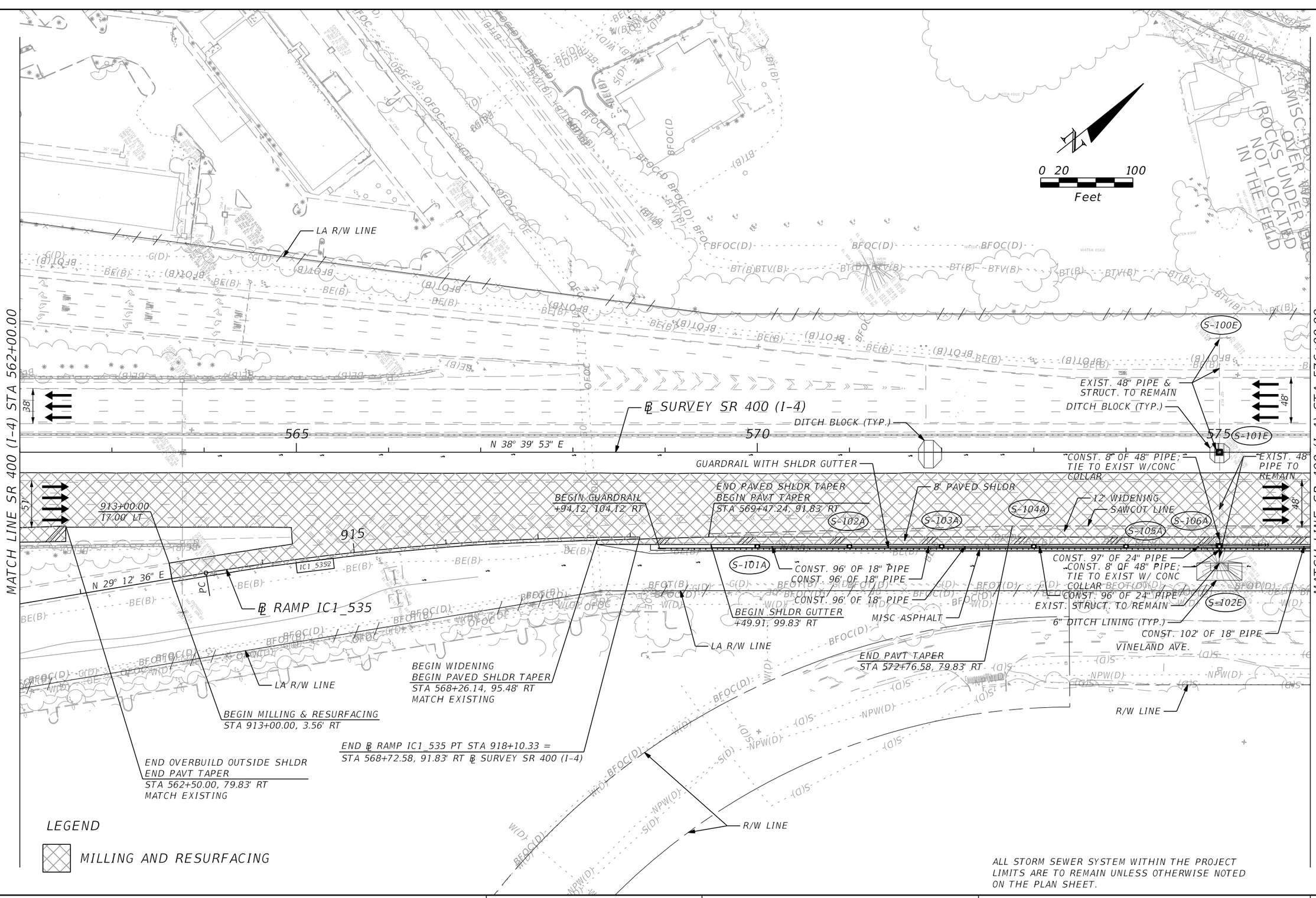
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) - PLAN 2

SHEET NO. 107

robert.martini 8/22/2019 10:30:07 AM c:\pwworking\aecom_na\rmartini\d0164870\PLANRD02.dgn



LEGEND

MILLING AND RESURFACING

ALL STORM SEWER SYSTEM WITHIN THE PROJECT LIMITS ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE PLAN SHEET.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) - PLAN 3

SHEET NO. 108

robert.martini 8/22/2019 10:30:11 AM c:\pwworking\aecom_na\rmartini\d0164870\PLANRD03.dgn

0 20 100
Feet

MATCH LINE SR 400 (I-4) STA 576+00.00

MATCH LINE SR 400 (I-4) STA 590+00.00

LA R/W LINE

DITCH BLOCK (TYP.)

℄ SURVEY SR 400 (I-4)

N 38° 39' 53" E

580

585

48'

12' WIDENING
8' PAVED SHLDR
SAWCUT LINE
GUARDRAIL WITH SHLDR GUTTER
CONST. 96' OF 18" PIPE
10' PAVED SHLDR
S-110A
S-107A
S-109A
S-112A
S-113A
S-111A
MISC. ASPHALT
CONST. 96' OF 18" PIPE
CONST. 96' OF 18" PIPE
CONST. 18' OF 18" PIPE
6" DITCH LINING (TYP.)
END 8' PAVED SHLDR
END SHLDR GUTTER
+50.00, 99.83' RT
BEGIN PAVT TAPER
BEGIN 10' PAVED SHLDR
+50.00, 101.83' RT
END GUARDRAIL
+31.62, 104.43' RT
CONTRACTOR SHALL REPLACE EXIST. DITCH BLOCK AND ASSOCIATED PIPING W/SAME KIND AND ELEV.
CONST. 18" PIPE
VINELAND AVE.
LA R/W LINE
R/W LINE
END PAVT WIDENING
END PAVT TAPER
STA 583+50.00, 79.83' RT
MATCH EXISTING
R/W LINE
R/W LINE

LEGEND

MILLING AND RESURFACING

ALL STORM SEWER SYSTEM WITHIN THE PROJECT LIMITS ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE PLAN SHEET.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

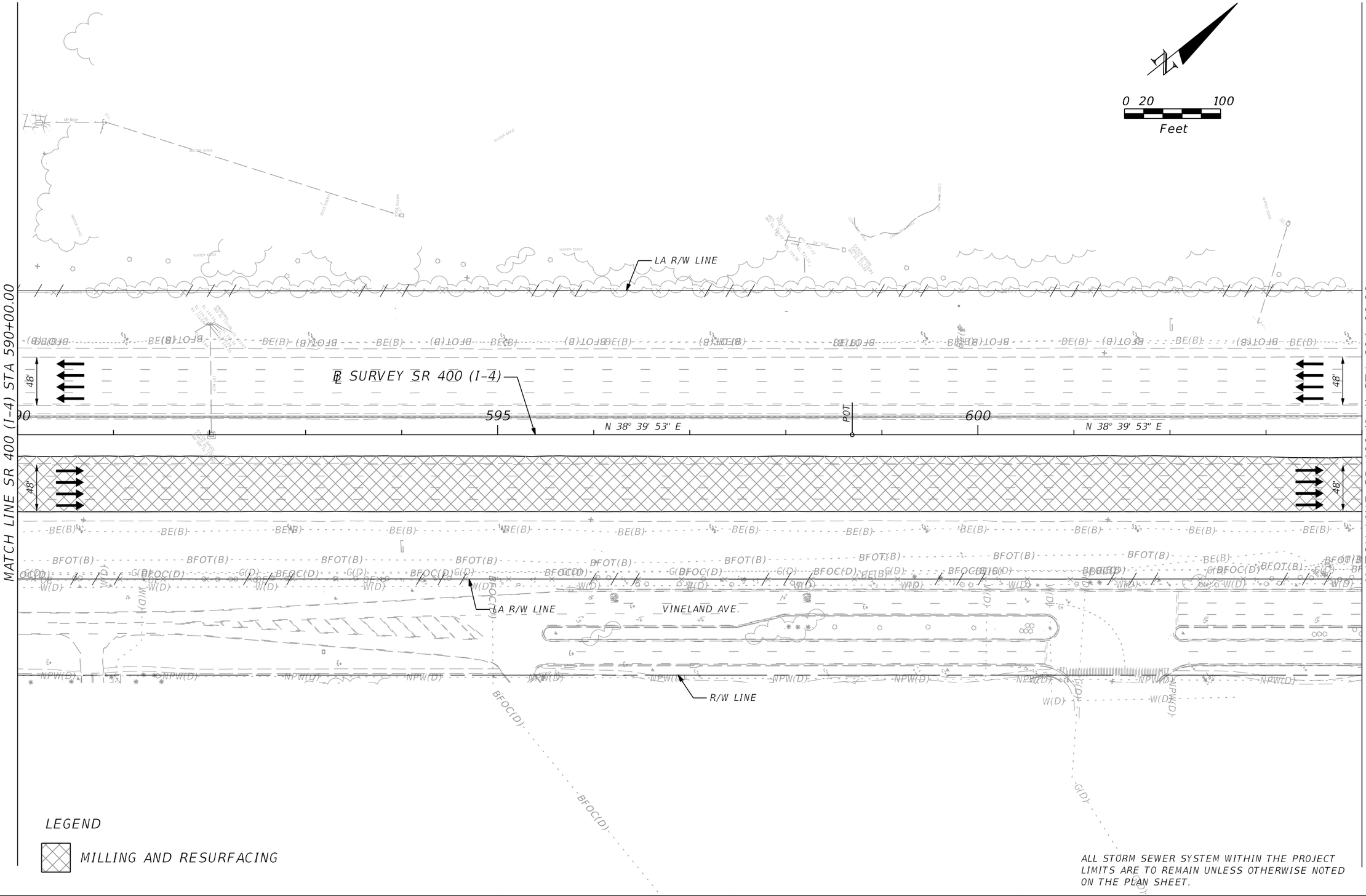
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) - PLAN 4

SHEET NO. 109

robert.martini 8/22/2019 10:30:15 AM c:\pwworking\aecom_na\rmartini\d0164870\PLANRD04.dgn



LEGEND

MILLING AND RESURFACING

ALL STORM SEWER SYSTEM WITHIN THE PROJECT LIMITS ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE PLAN SHEET.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

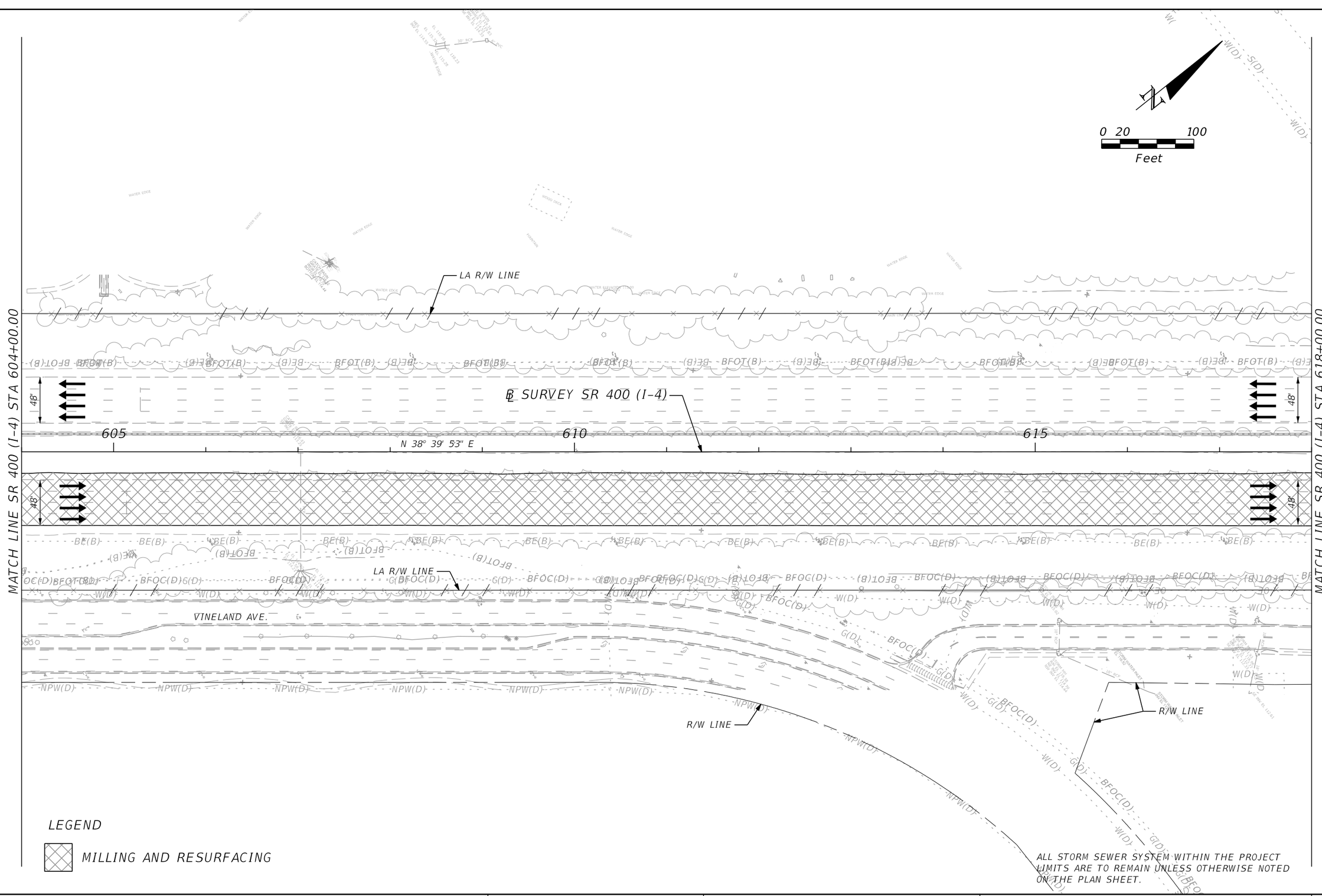
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) - PLAN 5

SHEET NO. 110

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:30:19 AM c:\pwworking\aecom_na\rmartini\d0164870\PLANRD05.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

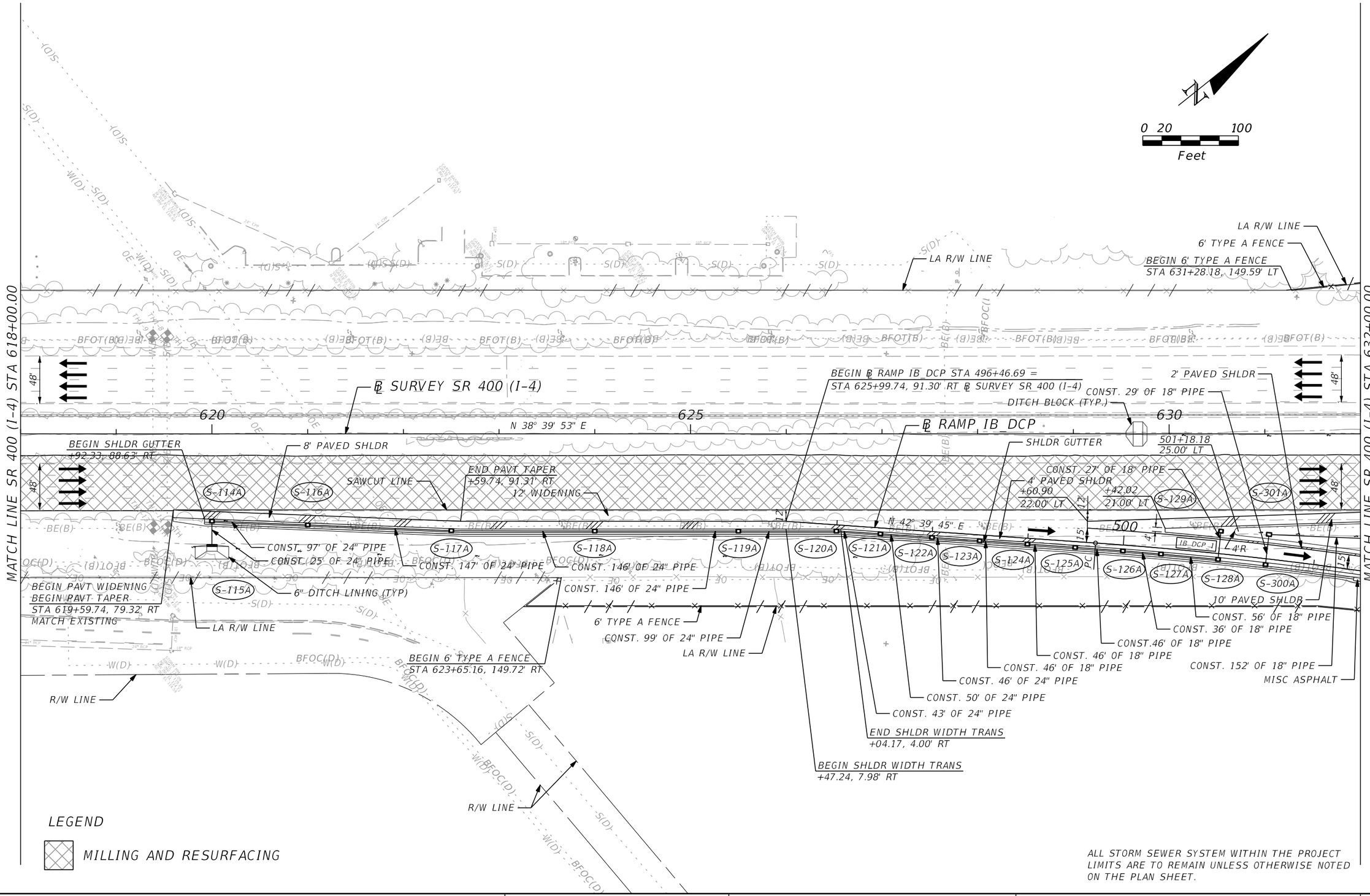
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) - PLAN 6

SHEET NO. 111

robert.martini 8/22/2019 10:30:23 AM c:\pwworking\aecom_na\rmartini\d0164870\PLANRD06.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) - PLAN 7

SHEET NO. 112

robert.martini 8/22/2019 10:30:27 AM c:\pwworking\aecom_na\rmartini\d0164870\PLANRD07.dgn

LEGEND

MILLING AND RESURFACING

0 20 100

Feet

MATCH LINE SR 400 (I-4) STA 632+00.00

MATCH LINE SR 400 (I-4) STA 641+00.00
SEE DARYL CARTER PKWY - PLAN 1A

℄ SURVEY SR 400 (I-4)

635

N 38° 39' 53" E

POT

640

N 38° 36' 21" E

N 49° 24' 58" E

505

510

℄ RAMP IB_DCP

MATCH LINE ℄ RAMP IB_DCP
STA 511+61.14
SEE DARYL CARTER PKWY - PLAN 2A

6' TYPE A FENCE

BEGIN BARRIER WALL
+88.13, 92.95' LT

BEGIN PAVT WIDENING
BEGIN PAVT TAPER
STA 636+88.12, 80.94' LT
MATCH EXISTING

LA R/W LINE

CONST. 246' OF 18" PIPE

BEGIN MILLING AND RESURFACING
STA 632+00.01, 82.42' LT

S-226C

CONST. 13' OF 18" PIPE

CONST. 22' OF 18" PIPE

CONST. 166' OF 18" PIPE

S-237C

S-236C

S-235C

S-232C

S-229C

POND 140B1

S-207C

CONST. 63' OF 24" PIPE

CONST. 12' OF 18" PIPE

CONST. 196' OF 18" PIPE

CONST. 6' OF 24" PIPE

S-206C

12' PAVED SHLDR

S-202C

S-201A

S-200A

END PAVT TAPER
+88.21, 92.88' LT

12' WIDENING

BARRIER WALL
SAWCUT LINE

SAWCUT LINE

DITCH BLOCK

10' PAVED SHLDR

END PAVT WIDENING
STA 632+74.71, 79.28' RT
MATCH EXISTING

CONST. 42' OF 18" PIPE

BEGIN PAVT TAPER
BEGIN SHLDR WIDTH TRANS
+40.09, 15.00' LT

CONST. 246' OF 30" PIPE

CONST. 32' OF 18" PIPE

CONST. 18" PIPE

CONST. 43'
OF 18" PIPE

2' PAVED SHLDR

BARRIER WALL

S-302A

S-304C

CONST. 27'
OF 24" PIPE

CONST. 162' OF 24" PIPE

CONST. 92' OF 24" PIPE

CONST. 32' OF 24" PIPE

CONST. 50' OF 18" PIPE

CONST. 149' OF 30" PIPE

CONST. 246' OF 30" PIPE

S-304A

S-310C

S-307C

S-312C

S-305A

BEGIN SHLDR GUTTER
+92.43, 16.00' LT

END PAVT TAPER
END SHLDR WIDTH TRANS
+90.09, 12.00' LT

END PAVT TAPER
+52.54, 24.00' LT

BEGIN PAVT TAPER
+02.54, 12.00' LT

CONST. 90'
OF 18" PIPE

CONST. 18"
PIPE

S-316C

S-315C

S-303A

S-303C

S-305C

S-306C

S-309C

S-311C

CONST. 31'
OF 18" PIPE

S-314C

S-308C

CONST. 47'
OF 18" PIPE
END SHLDR GUTTER
END SHLDR
WIDTH TRANS
+00.00, 4.54' RT

BEGIN BARRIER WALL
+00.00, 6.00' RT

END GUARDRAIL
+97.73, 6.28' RT

BEGIN SHLDR WIDTH TRANS
+69.32, 4.00' RT

MISC ASPHALT

4' PAVED SHLDR

CONST. 135' OF 18" PIPE

GUARDRAIL W/ SHLDR GUTTER

BEGIN GUARDRAIL
+53.45, 8.28' RT

CONST. 31'
OF 18" PIPE

END PAVT TAPER
+90.09, 12.00' RT

CONST. 116'
OF 18" PIPE

CONST. 116' OF 18" PIPE

SHLDR GUTTER

4' PAVED SHLDR

6' PAVED SHLDR

RETAINING WALL 1

S-313C

BEGIN PAVT TAPER
+02.55, 12.00' RT

END PAVT TAPER
+52.54, 24.00' RT

LA R/W LINE

6' TYPE A FENCE

END BARRIER WALL
BEGIN RETAINING WALL 1
+40.00, 6.00' RT

BEGIN PAVT TAPER
+40.09, 0.00' RT

ALL STORM SEWER SYSTEM WITHIN THE PROJECT LIMITS ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE PLAN SHEET.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

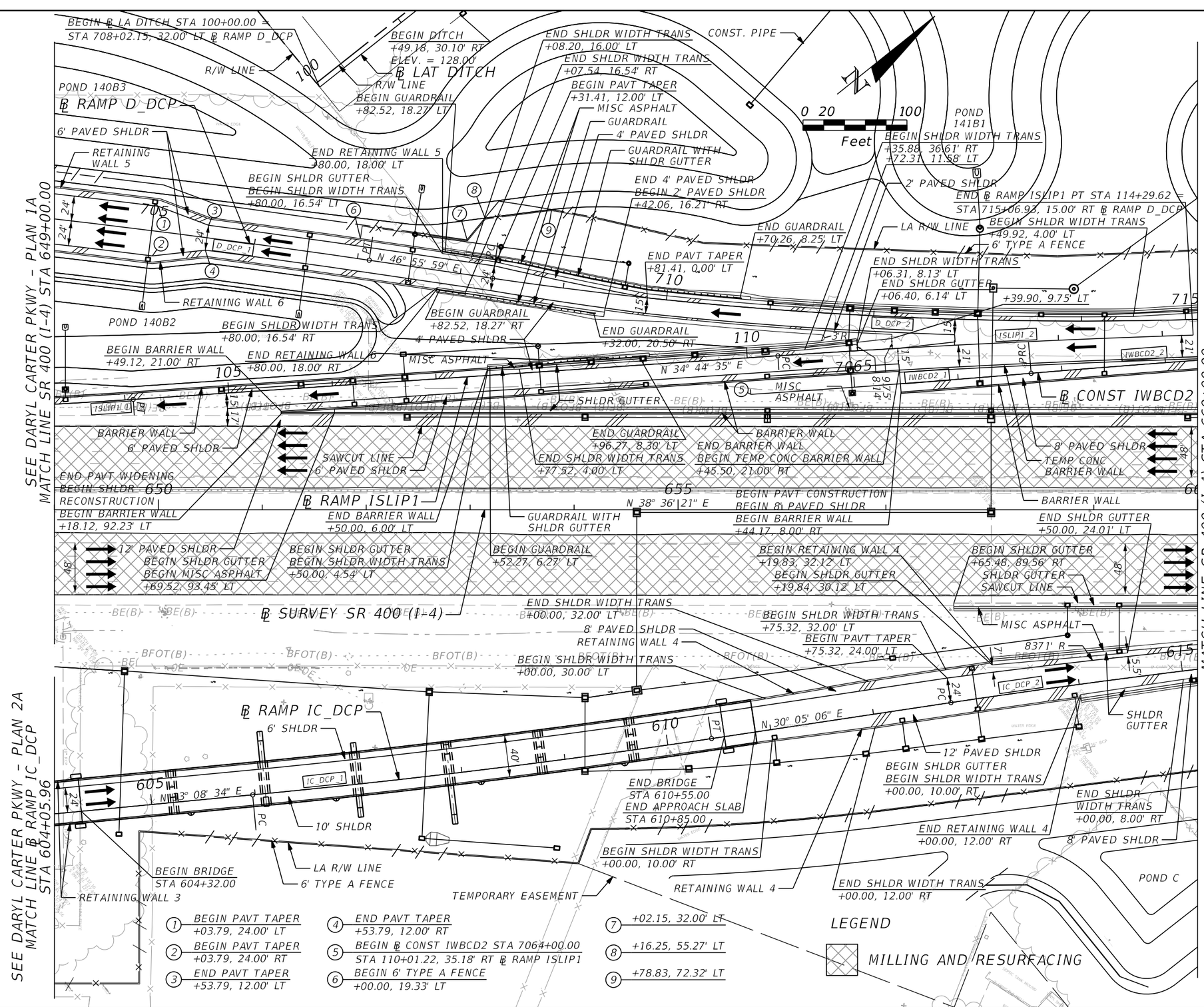
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) - PLAN 8

SHEET NO. 113

robert.martini 8/22/2019 10:30:31 AM c:\pwworking\aecom_na\rmartini\d0164870\PLANRD08.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

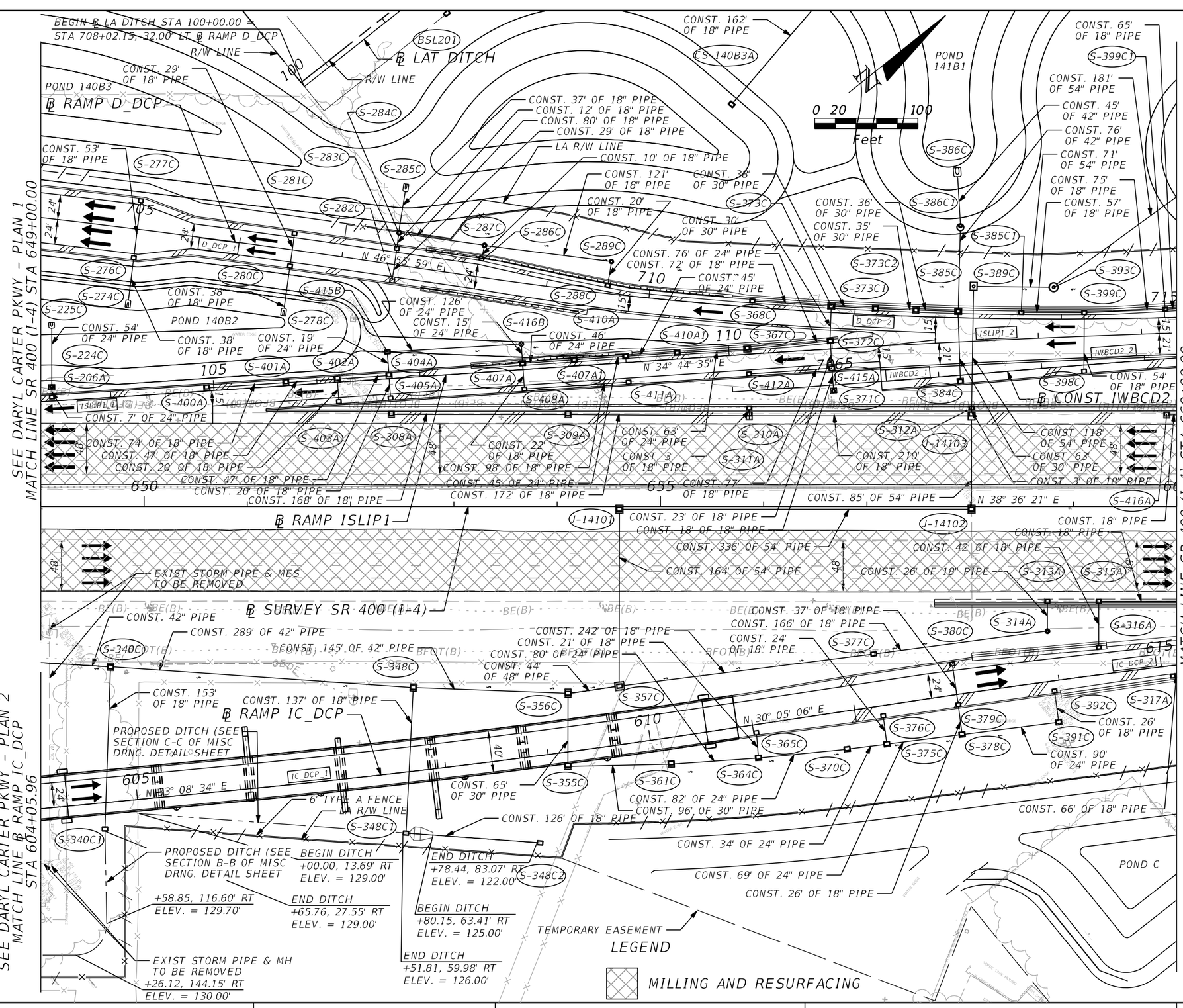
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) - PLAN 9A

SHEET NO. 114

robert.martini 8/22/2019 10:30:35 AM c:\pwworking\aecom_na\rmartini\d0164870\PLANRD09.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) - PLAN 9B

SHEET NO. 115

robert.martini 8/22/2019 10:30:39 AM c:\pwworking\aecom_na\rmartini\d0164870\PLANRD09B.dgn

CONST. 54" PIPE
CONST. 65' OF 18" PIPE
CONST. 105' OF 24" PIPE
TEMP CONC BARRIER WALL
END SHLDR WIDTH TAPER
+26.67, 8.00' LT
END TEMP CONC BARRIER WALL
+46.92, 1.54' RT
CRASH CUSHION
POND 141B2
END ℄ RAMP D_DCP STA 717+26.89 =
STA 7070+48.53, 36.00' LT ℄ CONST IWBCD2
℄ CONST IWBCD2
POND 141B3
CONST. 46' OF 36" PIPE
CONST. 90' OF 18"PIPE
BEGIN ℄ RAMP ISLIP2 PC STA 200+00.00 =
STA 7080+36.19, 0.00' RT ℄ CONST IWBCD2
CONST. 49' OF 18" PIPE
CONST. 61' OF 18" PIPE
0 20 100
Feet
CONST. 87' OF 24" PIPE
CONST. 49' OF 18" PIPE
℄ RAMP D_DCP
LA R/W LINE
6' TYPE A FENCE
CONST. 88' OF 30" PIPE
CONST. 105' OF 30"PIPE
CONST. 88' OF 24" PIPE
CONST. 104' OF 24" PIPE
CONST. 105' OF 24" PIPE
CONST. 88' OF 24" PIPE
BEGIN PAVT TAPER
+70.88, 36.00' LT
CONST. 103' OF 18" PIPE
SHLDR GUTTER
CONST. 91' OF 18" PIPE
CONST. 62' OF 36" PIPE
CONST. 104' OF 18" PIPE
END PAVT TAPER
+70.88, 24.00' LT
CONST. 49' OF 18" PIPE
CONST. 48' OF 18" PIPE
CONST. 48' OF 18" PIPE
CONST. 49' OF 18" PIPE
BEGIN SHLDR WIDTH TRANS
+00.00, 8.00' RT
CONST. 37' OF 18" PIPE
CONST. 41' OF 18" PIPE
CONST. 11' OF 24" PIPE
CONST. 50' OF 18" PIPE
END SHLDR GUTTER
+97.66, 92.93' LT
CONST. 196' OF 24" PIPE
MISC ASPHALT
BARRIER WALL
8' PAVED SHLDR
CONST. 52' OF 18"PIPE
CONST. 197' OF 24" PIPE
CONST. 197' OF 30" PIPE
℄ RAMP ISLIP2
CONST. 3 OF 18" PIPE
SHLDR GUTTER
CONST. 101' OF 18" PIPE
END BARRIER WALL
+00.00, 91.56' LT
BARRIER WALL
12' PAVED SHLDR
CONST. 164' OF 18" PIPE
BEGIN GUARDRAIL
+02.27, 91.83' LT
END GUARDRAIL
+93.66, 91.81' LT
BEGIN 10' PAVED SHLDR
664+83.73, 89.46' LT
CONST. 197' OF 24" PIPE
℄ SURVEY SR 400 (I-4)
10' PAVED SHLDR
SAWCUT LINE
CONST. 198' OF 30" PIPE
END SHLDR WIDTH TRANS
+82.68, 6.00' RT
6' PAVED SHLDR
N 38° 36' 21" E
END SHLDR WIDTH TRANS
+08.37, 17.32' LT
MISC ASPHALT
CONST. 108' OF 18" PIPE
SAWCUT LINE
END PAVT TAPER
BEGIN SHLDR WIDTH TRANS
+24.27, 15.00' LT
END SHLDR GUTTER
BEGIN PAVED SHLDR RECONST
STA 662+71.33, 89.41' RT
10' PAVED SHLDR
END PAVED SHLDR RECONST
BEGIN PAVT WIDENING
STA 664+19.28, 81.37' RT
MATCH EXISTING
GUARDRAIL WITH SHLDR GUTTER
CONST. 104' OF 24" PIPE
SAWCUT LINE
MISC ASPHALT
12' WIDENING
CONST. 89' OF 18" PIPE
10' PAVED SHLDR
℄ RAMP IC_DCP
SHLDR GUTTER
8371' R
CONST. 108' OF 18" PIPE
4' PAVED SHLDR
8' PAVED SHLDR
CONST. 132' OF 18" PIPE
CONST. 87' OF 18" PIPE
2' PAVED SHLDR
END SHLDR WIDTH TRANS
+24.18, 17.00' LT
+92.49, 94.20' RT
CONST. 87' OF 18" PIPE
END 6' TYPE A FENCE
STA 620+92.10, 32.89' RT
CONST. 88' OF 18" PIPE
CONST. 21' OF 24" PIPE
CONST. 103' OF 18" PIPE
END GUARDRAIL
+75.76, 105.42' RT
END SHLDR GUTTER
END 8' PAVED SHLDR
BEGIN 10' PAVED SHLDR
+68.60, 101.18' RT
CONST. 104' OF 18" PIPE
LA R/W LINE
BEGIN GUARDRAIL
+11.64, 12.29' RT
+95.06, 24.58' LT
CONST. 88' OF 18" PIPE
CONST. 88' OF 18" PIPE
CONST. 42' OF 18" PIPE
CONST. 68' OF 18" PIPE
6' TYPE A FENCE
CONST. 66' OF 18" PIPE
POND C
EXIST. CONTROL STRUCTURE & ASSOCIATED PIPES/ MES TO BE REMOVED.
CONST. 80' OF 36" PIPE
TEMPORARY EASEMENT
END ℄ RAMP IC_DCP PT STA 625+14.72 =
STA 669+97.38, 93.20' RT ℄ SURVEY SR 400 (I-4)
MATCH LINE SR 400 (I-4) STA 660+00.00
MATCH LINE SR 400 (I-4) STA 674+00.00
7070
7075
7080 200
665
670
620
625
N 35° 14' 59" W
N 38° 23' 27" E
S-406C
S-407C
S-407C1
S-408C
S-415C
S-416C
S-416C1
S-417A
S-418A
S-419A
S-420A
S-420C
S-421A
S-421C
S-421C1
S-422A
S-423A
S-424A
S-425A
S-428C
S-429C
S-429C1
S-431C
S-437C
S-438C
S-438C1
S-439C
S-439C1
S-447C
S-448C
S-448C1
S-456C
S-457C
S-457C1
S-457C2
S-45701
S-45702
S-318A
S-319A
S-320A
S-321A
S-322A
S-323A
S-324A
S-325A
S-326A
S-327A
S-328A
S-329A
S-330A
S-331A
S-332A
S-333A
CS-PNDC1
CS-PNDC2
D_DCP_2
IWBCD2_2
ISLIP2_1
IC DCP 2
PT
36'
24'
48'
60'
17.15'
11'

LEGEND

MILLING AND RESURFACING

ALL STORM SEWER SYSTEM WITHIN THE PROJECT LIMITS ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE PLAN SHEET.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

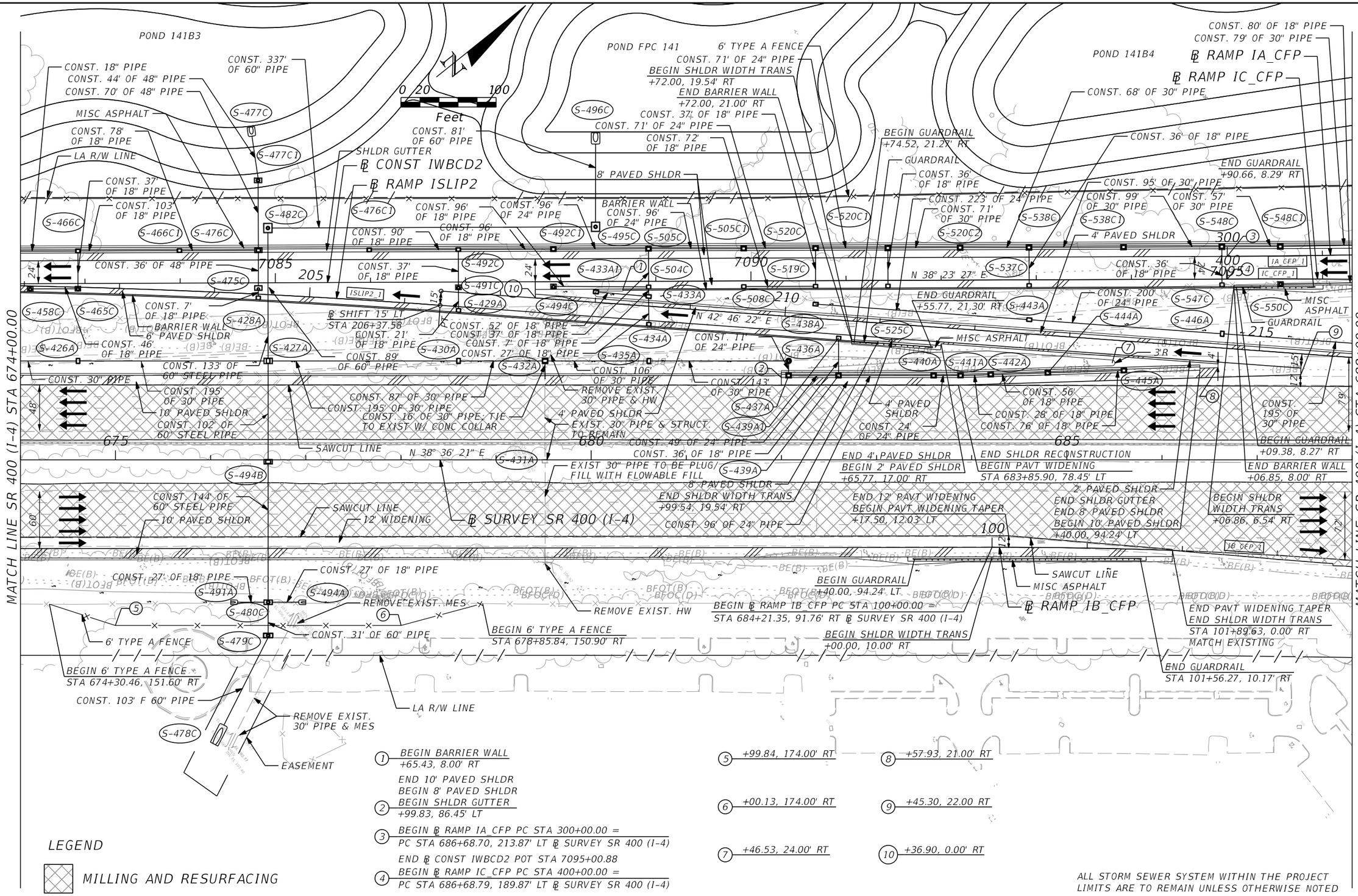
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) - PLAN 10

SHEET NO. 116

robert.martini 8/22/2019 10:30:43 AM c:\pwworking\aecom_na\rmartini\d0164870\PLANRD10.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

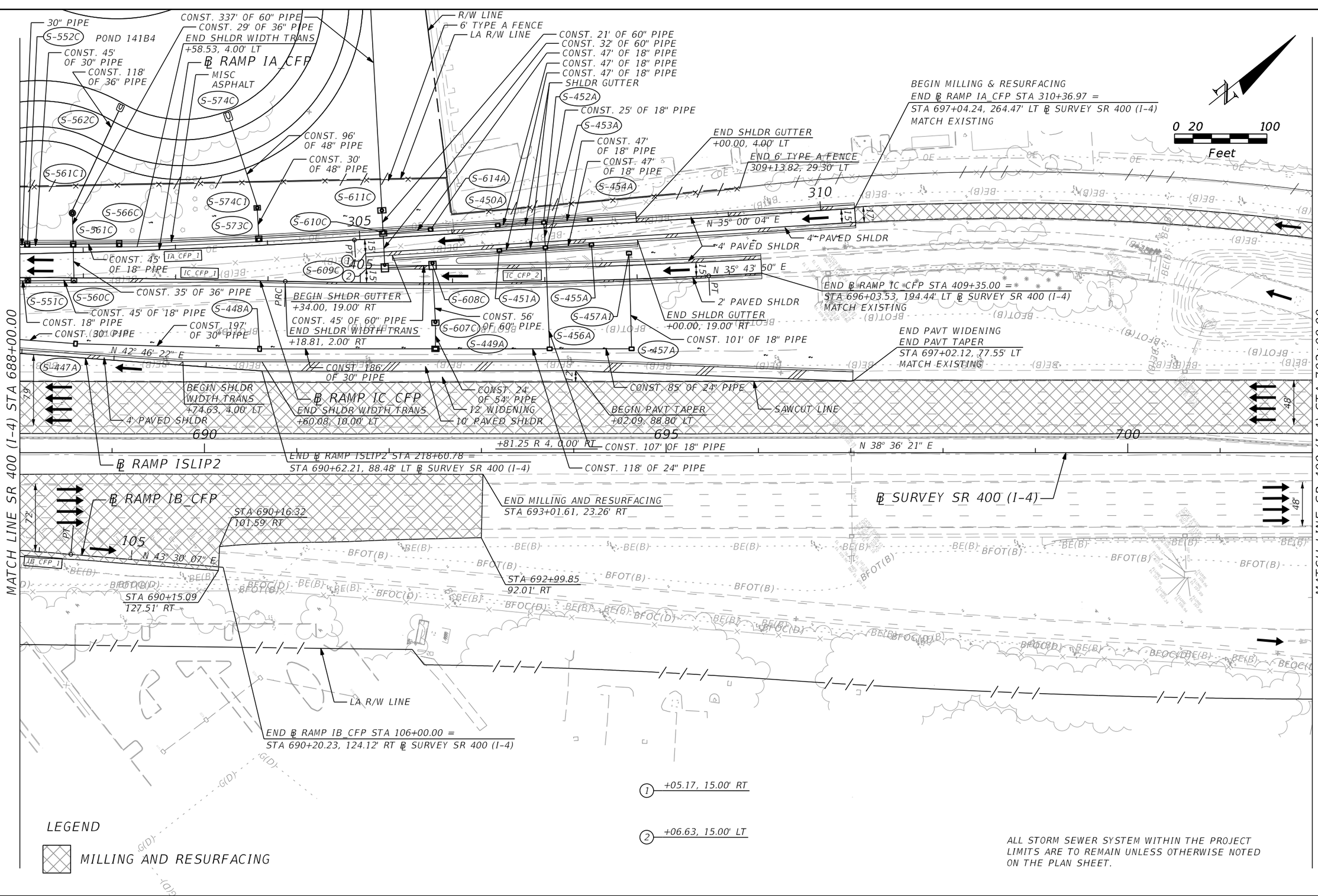
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) - PLAN 11

SHEET NO. 117

robert.martini 8/22/2019 10:30:48 AM c:\pwworking\aecom_na\rmartini\d0164870\PLANRD11.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) - PLAN 12

SHEET NO. 118

robert.martini 8/22/2019 10:30:52 AM c:\pwworking\aecom_na\rmartini\d0164870\PLANRD12.dgn

EASEMENT
R/W LINE
LA R/W LINE
TEMPORARY EASEMENT
LA R/W LINE
MATCH LINE SR 400 (I-4) STA 702+00.00
EB CENTRAL FLORIDA PKWY
WB CENTRAL FLORIDA PKWY
150'
60'
17'
48'
END MILLING & RESURFACING
STA 706+83.96
201.27' LT
END MILLING AND RESURFACING
STA 704+62.00, 78.52' LT
N 38° 36' 21" E
P.C.
705
STA 704+62.00, 21.34' LT
BEGIN ℄ SURVEY TURKEY LAKE ROAD STA 146+14.36=
STA 708+00.00 ℄ SURVEY SR 400 (I-4)
EASEMENT
60'
LA R/W LINE
R/W LINE
BEGIN 4' TRAFFIC SEPARATOR
STA 148+40.00
MATCH EXISTING
END PROJECT 441113-1-52-01
END CONSTRUCTION 441113-1-52-01
℄ SURVEY SR 400 (I-4) STA 707+00.00
R/W LINE
LA R/W LINE
4' TRAFFIC SEPARATOR
℄ SURVEY SR 400 (I-4)
715
℄ SURVEY TURKEY LAKE ROAD
710
C713
BEGIN ℄ SURVEY CENTRAL FLORIDA PKWY STA 27+72.82=
STA 708+06.28 ℄ SURVEY SR 400 (I-4)
℄ SURVEY CENTRAL FLORIDA PKWY
END 4' TRAFFIC SEPARATOR
STA 28+97.31
LA R/W LINE
0 20 100
Feet

LEGEND

MILLING AND RESURFACING

ALL STORM SEWER SYSTEM WITHIN THE PROJECT LIMITS ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE PLAN SHEET.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) - PLAN 13

SHEET NO. 119

robert.martini 8/22/2019 10:30:57 AM c:\pwworking\aecom_na\rmartini\d0164870\PLANRD13.dgn

0 20 100
Feet

R/W LINE
PALM PKWY
℄ POND141
6' PAVED SHLDR
END SHLDR WIDTH TRANS
+94.00, 30.00' LT
RETAINING WALL 6
RETAINING WALL 5
℄ RAMP D_DCP
N 38° 37' 11" E
BEGIN SHLDR WIDTH TRANS
+56.04, 34.00' LT
10' PAVED SHLDR
LA R/W LINE
SAWCUT LINE
CONC TRAFFIC SEPARATOR
℄ WB DCP
8' CONC SWK
6' CONC SWK
BEGIN RETAINING WALL 5
+78.76, 82.00' LT
BEGIN ℄ POND141 STA 600+00.00 =
STA 104+37.97, 103.97' LT
℄ DARYL CARTER PKWY
BEGIN ℄ WB DCP STA 300+00.00 =
STA 104+23.69, 26.00' LT
℄ DARYL CARTER PKWY
BEGIN MILL & RESURFACE/PAVT WIDENING
STA 104+15.69
MATCH EXISTING
℄ DARYL CARTER PKWY
BEGIN ℄ DARYL CARTER PKWY
STA 100+00.00
BEGIN ℄ EB DCP STA 104+23.69 =
STA 104+23.69, 14.00' RT
℄ DARYL CARTER PKWY
END PAVT TAPER
+10.29, 0.00' RT
S 51° 21' 11" E
BEGIN PAVT TAPER
+10.34, 22.20' RT
C&G TYPE E
C&G TYPE F
℄ EB DCP
8' CONC SWK
CR-E
END 6' TYPE A FENCE
STA 108+00.46, 94.30' RT
LA R/W LINE
BEGIN ℄ RAMP D_DCP STA 700+00.00 =
STA 108+78.17, 0.00' LT ℄ DARYL CARTER PKWY
POND 140B3
POND 140B2
PC
N 44° 32' 29" E
℄ RAMP ISLIP1
END SHLDR WIDTH TRANS
+68.48, 6.00' LT
END BARRIER WALL
BEGIN RETAINING WALL 6
+88.91, 69.20' RT
BEGIN BARRIER WALL
+90.77, 61.75' LT
BEGIN SHLDR WIDTH TRANS
+00.00, 12.00' LT
BEGIN ℄ RAMP ISLIP1 PC STA 100+00.00 =
STA 645+68.21, 92.55' LT ℄ SURVEY SR 400 (I-4)
EXISTING BRIDGE SIDEWALK TO BE REMOVED
EXISTING BRIDGE TO REMAIN
EXISTING BRIDGE RAILING TO BE REPLACED
℄ EB DCP
BARRIER WALL
SWK CURB
BARRIER WALL
CRASH CUSHION
TRAFFIC SEPARATOR
CRASH CUSHION
SWK CURB
MISC ASPHALT
℄ SURVEY SR 400 (I-4)
℄ WB DCP
10.33 CONC SWK
EXISTING BRIDGE RAILING TO BE REPLACED
EXISTING BRIDGE TO REMAIN
CRASH CUSHION
EXISTING BRIDGE SIDEWALK TO BE REMOVED
EXISTING TRAFFIC SEPARATOR TO BE REMOVED
SAWCUT LINE
12' PAVED SHLDR
BARRIER WALL
LA R/W LINE
6' TYPE A FENCE
POND 140B1
MATCH LINE DARYL CARTER PKWY STA 114+00.00

SEE SR 400 (I-4) - PLAN 9A
MATCH LINE SR 400 (I-4) STA 649+00.00

MATCH LINE SR 400 (I-4) STA 641+00.00
SEE SR 400 (I-4) - PLAN 8

1 BEGIN APPROACH SLAB
STA 109+70.77
2 BEGIN BRIDGE
STA 109+90.77
3 BEGIN BARRIER WALL
+26.28, 6.50' LT
4 BEGIN BARRIER WALL
+25.90, 6.50' RT
5 +23.69, 2.25' LT
6 +22.62, 9.66' RT
7 +74.02, 12.50' RT
8 END CONC TRAFFIC SEPARATOR
BEGIN C&G TYPE E
+34.03, 14.00' RT
9 END BARRIER WALL
+70.89, 6.50' LT
10 END BARRIER WALL
+69.69, 6.50' RT
11 END DITCH EL 131.50
+79.55, 63.35' LT
12 END DITCH EL 132.00
+79.57, 63.03' RT
13 BEGIN CONC TRAFFIC SEPARATOR
+17.70, 3.21' RT

SEE INTERSECTION LAYOUT FOR MORE DETAIL
SEE STRUCTURE PLANS FOR RETAINING WALLS AND BRIDGE MODIFICATION DETAILS

LEGEND
MILLING AND RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

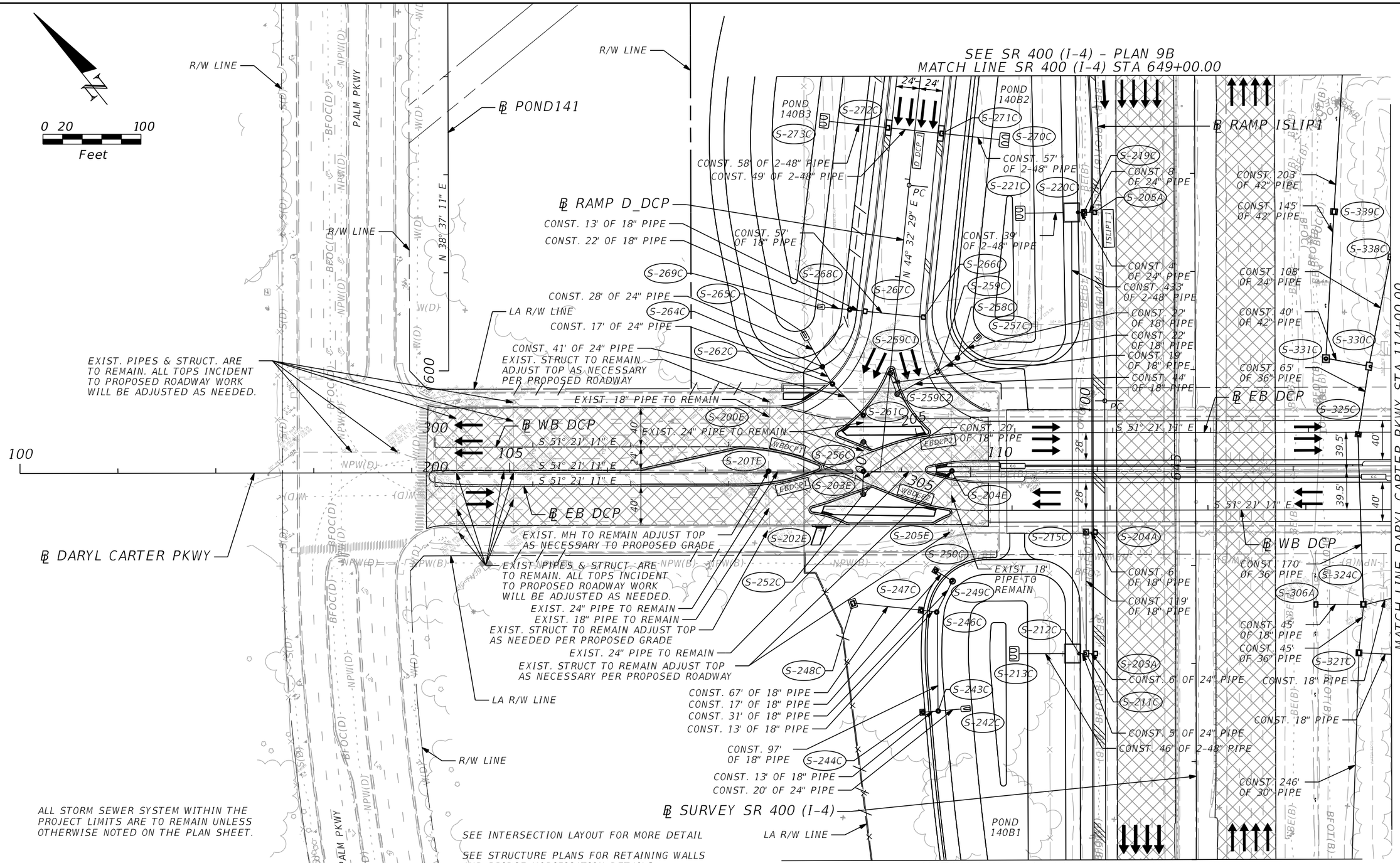
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY - PLAN 1A

SHEET NO. 120

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:31:01 AM c:\pwworking\aecom_na\rmartini\d0164870\PLANRD14.dgn



ALL STORM SEWER SYSTEM WITHIN THE PROJECT LIMITS ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE PLAN SHEET.

SEE INTERSECTION LAYOUT FOR MORE DETAIL

SEE STRUCTURE PLANS FOR RETAINING WALLS AND BRIDGE MODIFICATION DETAILS

FOR ALL PROPOSED DRAINAGE STRUCTURE THAT TIES INTO EXIST. PIPES, REFER TO DRAINAGE STRUCTURE SECTIONS FOR CONSTRUCTION DETAILS.

LEGEND

MILLING AND RESURFACING

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY - PLAN 1B

SHEET NO. 121

SEE SR 400 (I-4) - PLAN 9A
MATCH LINE ℄ RAMP IC_DCP
STA 604+05.96

BEGIN APPROACH SLAB
STA 604+02.00

℄ RAMP IC_DCP

24'
6' PAVED SHLDR
10' PAVED SHLDR
RETAINING WALL 3
N 33° 08' 34" E
10.33' CONC SWK
BEGIN 6' PAVED SHLDR
+11.08, 30.00' LT
BEGIN BARRIER WALL
+73.03, 114.06' LT
LA R/W LINE
END SHLDR WIDTH TRANS
+82.57, 10.00' RT
END BARRIER WALL
BEGIN RETAINING WALL 3
+88.81, 72.33' LT
BEGIN SHLDR WIDTH TRANS
+71.64, 43.45' RT
BEGIN RETAINING WALL 3
+76.04, 67.29' RT
SWK CURB
CR-D
8' CONC SWK
C&G TYPE F
S 51° 21' 11" E
EBDCP3
WBDCP4
WBDCP3
EBDCP4
SAWCUT LINE
C&G TYPE E
TRAFFIC SEPARATOR
8' CONC SWK
6' CONC SWK
END RETAINING WALL 1
+83.01, 85.57' RT
SWK CURB
C&G TYPE F
10' PAVED SHLDR
END RETAINING WALL 2
BEGIN BARRIER WALL
+71.50, 66.77' LT
END SHLDR WIDTH TRANS
+99.53, 34.00' RT
BEGIN SHLDR WIDTH TRANS
+05.58, 31.04' LT
RETAINING WALL 1
RETAINING WALL 2
END SHLDR GUTTER
END SHLDR WIDTH TRANS
+30.00, 28.54' LT
END GUARDRAIL
+27.48, 30.27' LT
MISC ASPHALT
BEGIN SHLDR WIDTH TRANS
+99.53, 30.00' RT
BEGIN SHLDR WIDTH TRANS
+02.48, 28.00' LT
LA R/W LINE
6' PAVED SHLDR
GUARDRAIL WITH SHLDR GUTTER
℄ RAMP IB_DCP
4' PAVED SHLDR
BARRIER WALL
6' PAVED SHLDR
N 43° 17' 58" E
PT
24' 24'

MATCH LINE ℄ RAMP IB_DCP
STA 511+61.14
SEE SR 400 (I-4) - PLAN 8

MATCH LINE ℄ DARYL CARTER PKWY STA 114+00.00

210
115
310
600
215
315
120
125
52'
28'
36'
23'
29'
100'
28.7'

1. END BRIDGE
STA 114+10.77
2. END APPROACH SLAB
STA 114+30.77
3. END BARRIER WALL
END SHLDR WIDTH TRANS
+88.13, 101.82' LT
MATCH EXISTING
4. BEGIN RETAINING WALL 2
+30.00, 30.00' LT
5. BEGIN GUARDRAIL
+83.73, 32.30' LT
6. END ℄ RAMP IB_DCP STA 515+58.37 =
STA 115+17.95, 0.00' ℄ DARYL CARTER PKWY
7. BEGIN ℄ RAMP IC_DCP STA 600+00.00 =
STA 115+31.32, 0.00' ℄ DARYL CARTER PKWY
8. +90.71, 11.00' LT
9. +80.69, 6.97' LT
10. END C&G TYPE E
+80.06, 7.00' RT

BEGIN PAVT TAPER
+02.80, 40.00' LT
℄ WB DCP
EXISTING RETAINING WALL TO REMAIN
9' WIDENING
SAWCUT LINE
15' WIDENING
END PAVT TAPER
END C&G TYPE F
MATCH EXISTING
+51.57, 29.00' LT
END ℄ WB DCP STA 317+73.70 =
STA 121+76.65, 23.00' LT ℄ DARYL CARTER PKWY
END MILL & RESURFACE/PAVT WIDENING
STA 121+98.00, 0.00' LT
MATCH EXISTING
END ℄ DARYL CARTER PKWY
STA 125+42.77
℄ DARYL CARTER PKWY
℄ EB DCP
EXISTING RETAINING WALL TO REMAIN
LA R/W LINE
END ℄ EB DCP STA 215+96.64 =
STA 120+02.34, 23.00' RT
℄ DARYL CARTER PKWY
R/W LINE
REGENCY VILLAGE DR.

0 20 100
Feet

SEE INTERSECTION LAYOUT FOR MORE DETAIL

SEE STRUCTURE PLANS FOR RETAINING WALLS AND BRIDGE MODIFICATION DETAILS

LEGEND

MILLING AND RESURFACING

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

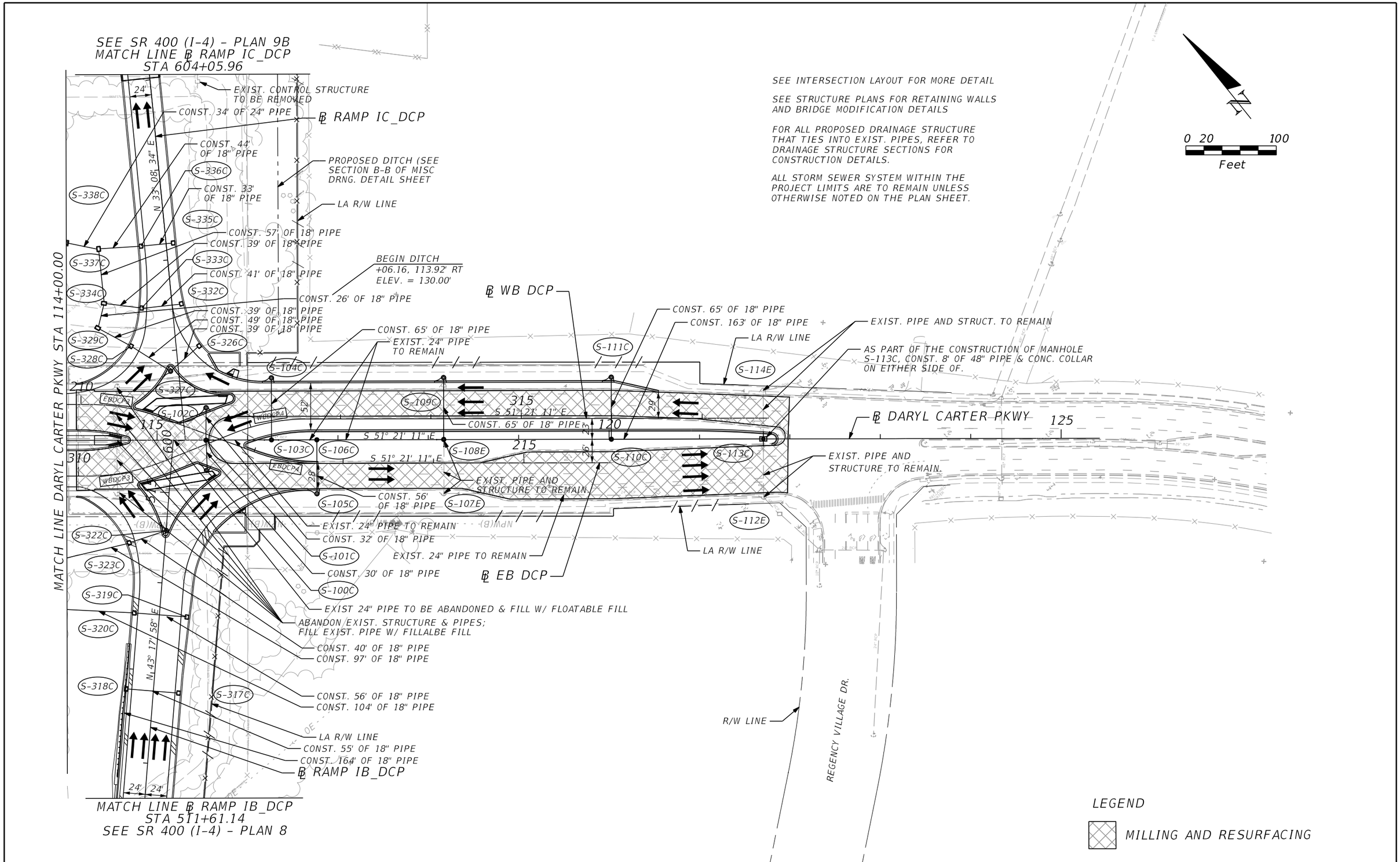
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY - PLAN 2A

SHEET NO. 122

robert.martini 8/22/2019 10:31:10 AM c:\pwworking\aecom_na\rmartini\d0164870\PLANRD15.dgn



SEE INTERSECTION LAYOUT FOR MORE DETAIL

SEE STRUCTURE PLANS FOR RETAINING WALLS AND BRIDGE MODIFICATION DETAILS

FOR ALL PROPOSED DRAINAGE STRUCTURE THAT TIES INTO EXIST. PIPES, REFER TO DRAINAGE STRUCTURE SECTIONS FOR CONSTRUCTION DETAILS.

ALL STORM SEWER SYSTEM WITHIN THE PROJECT LIMITS ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE PLAN SHEET.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY - PLAN 2B

SHEET NO. 123

robert.martini 8/22/2019 10:31:15 AM c:\pwworking\aecom_na\rmartini\d0164870\PLANRD15B.dgn

170
160
150
140
130
120
110
100
90
80

BEGIN PROJECT 441113-1-52-01
℄ SURVEY SR 400 (I-4)
STA. 546+00.00
EL. 119.48

124.04

EXISITNG GROUND AT ℄ SURVEY SR 400 (I-4)

SCALE: 1" = 100' HORIZ.
1" = 10' VERT.

535+00.00 540+00.00 545+00.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

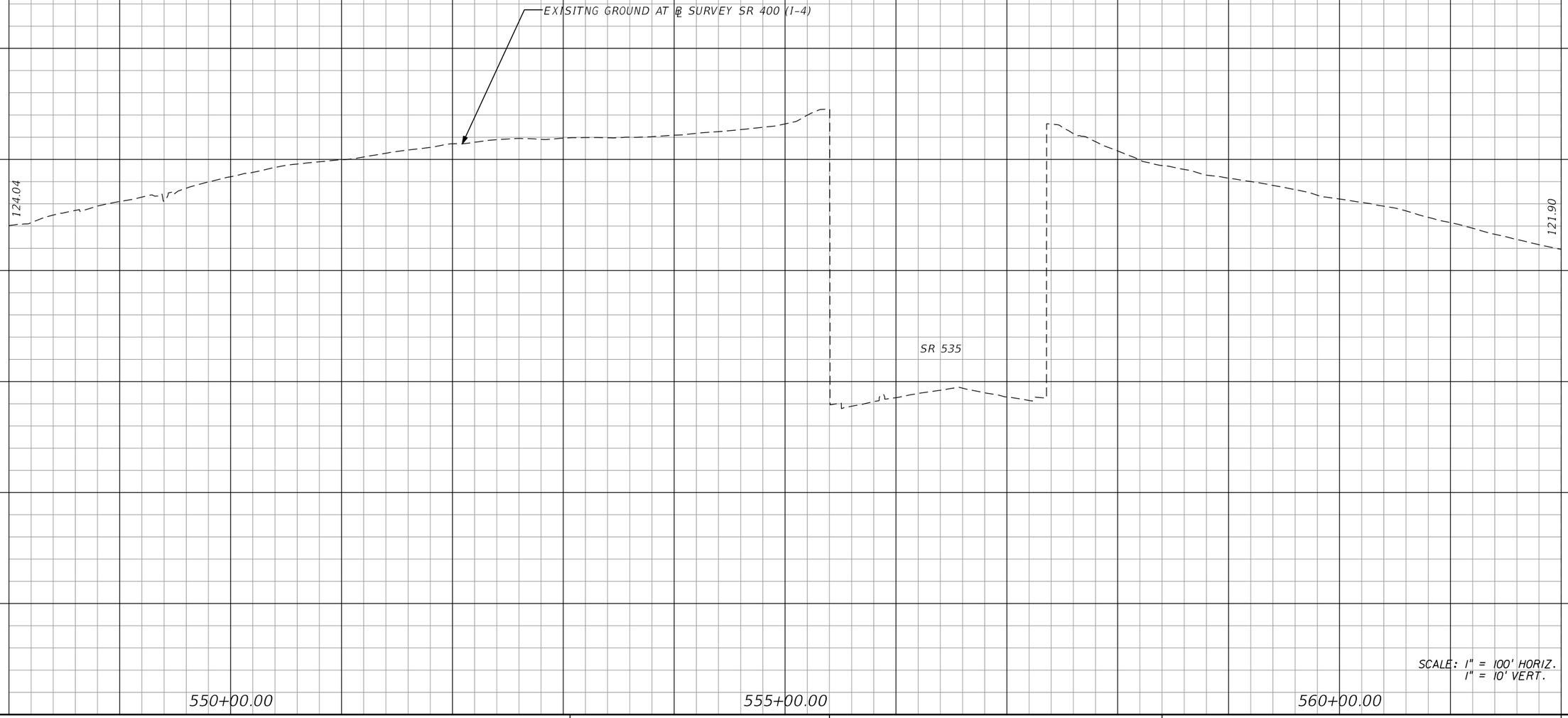
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) (1)
PROFILE

SHEET NO. 124

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:31:19 AM c:\pwworking\aecom_na\rmartini\d0166329\PROFRD_I-4_01.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

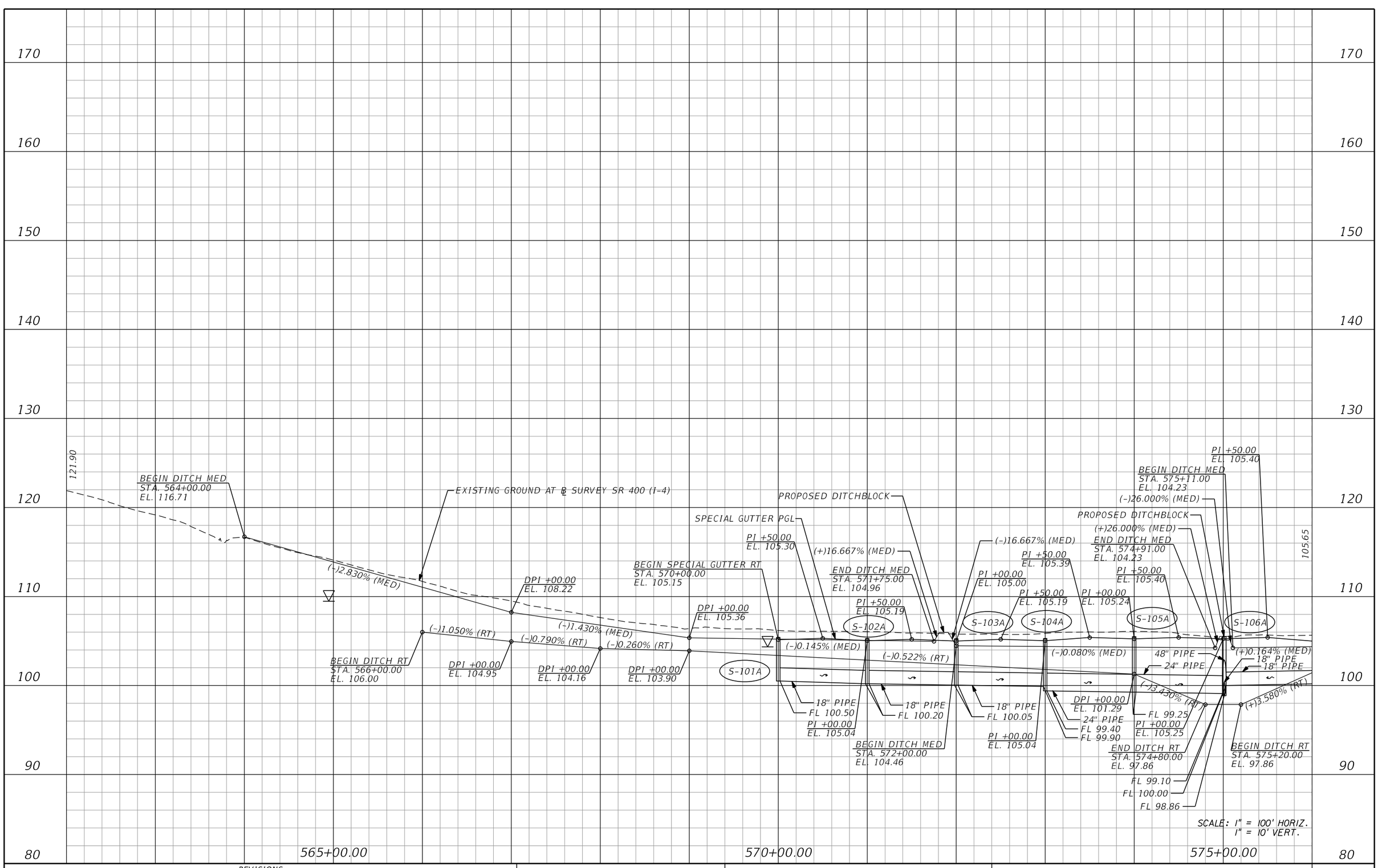
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) (2)
PROFILE

SHEET NO. 125

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

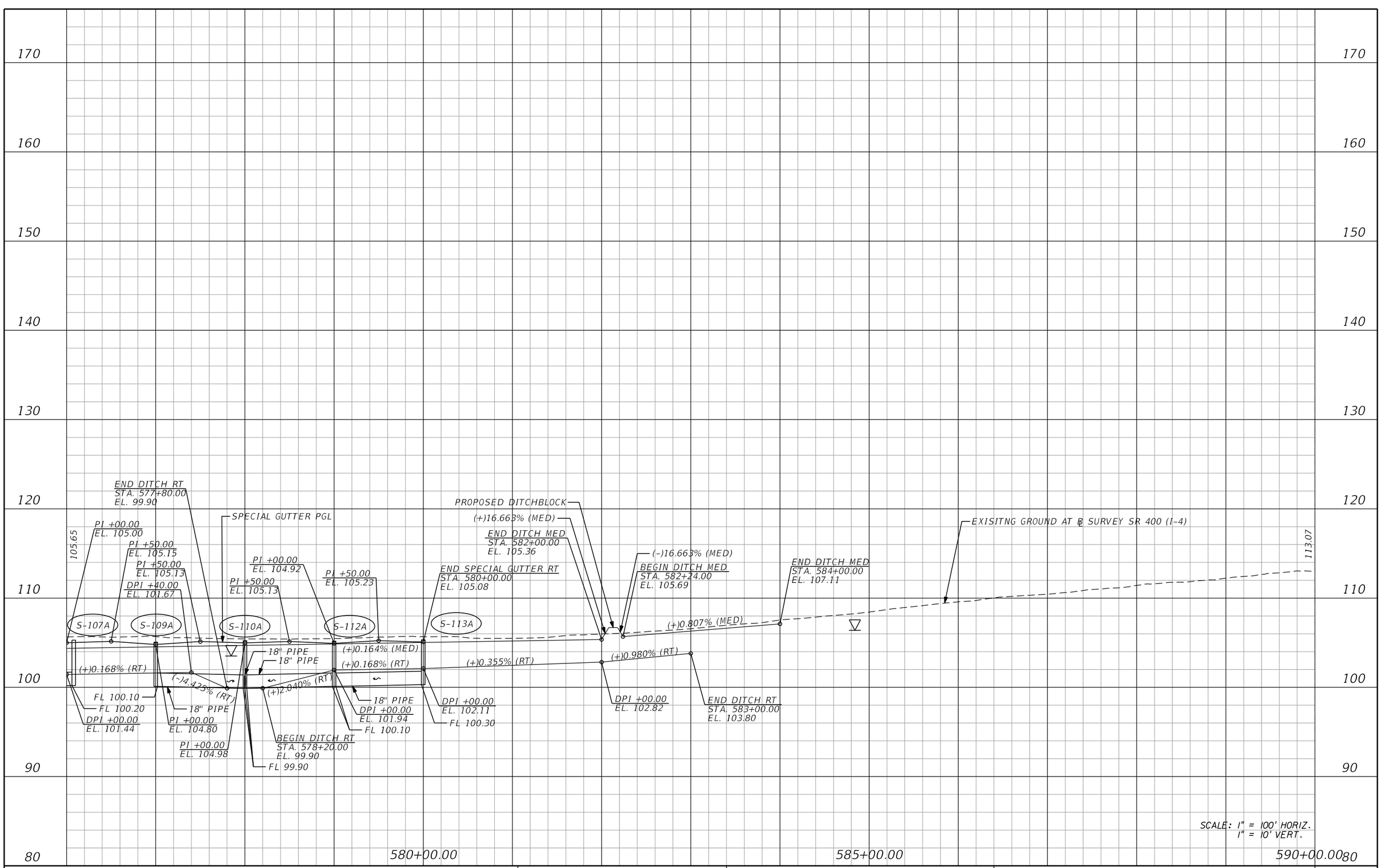
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) (3)
PROFILE

SHEET NO. 126

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:31:24 AM c:\pwworking\aecom_na\rmartini\d0166329\PROFRD_I-4_03.dgn



REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

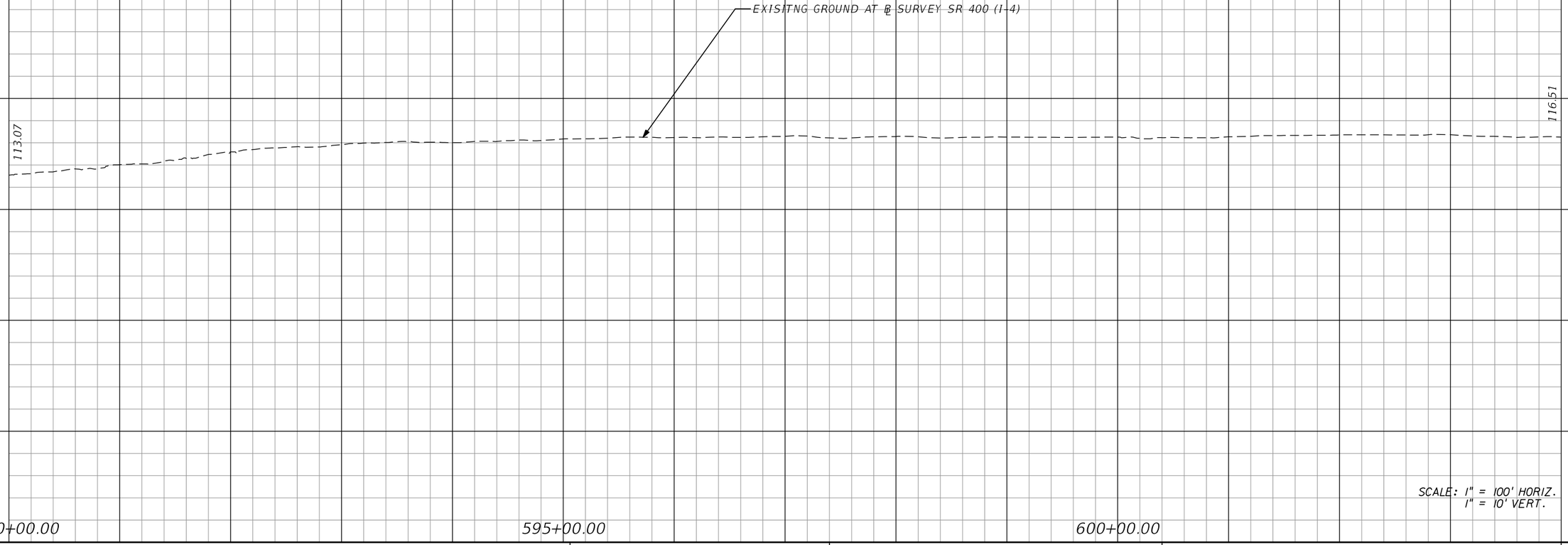
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) (4)
PROFILE

SHEET NO. 127

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) (5)
PROFILE

SHEET NO. 128

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:31:31 AM c:\pwworking\aecom_na\rmartini\d0166329\PROFRD_I-4_05.dgn

170
160
150
140
130
120
110
100
90
80

116.51

EXISITNG GROUND AT ℄ SURVEY SR 400 (I-4)

118.88

605+00.00
610+00.00
615+00.00

SCALE: 1" = 100' HORIZ.
1" = 10' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

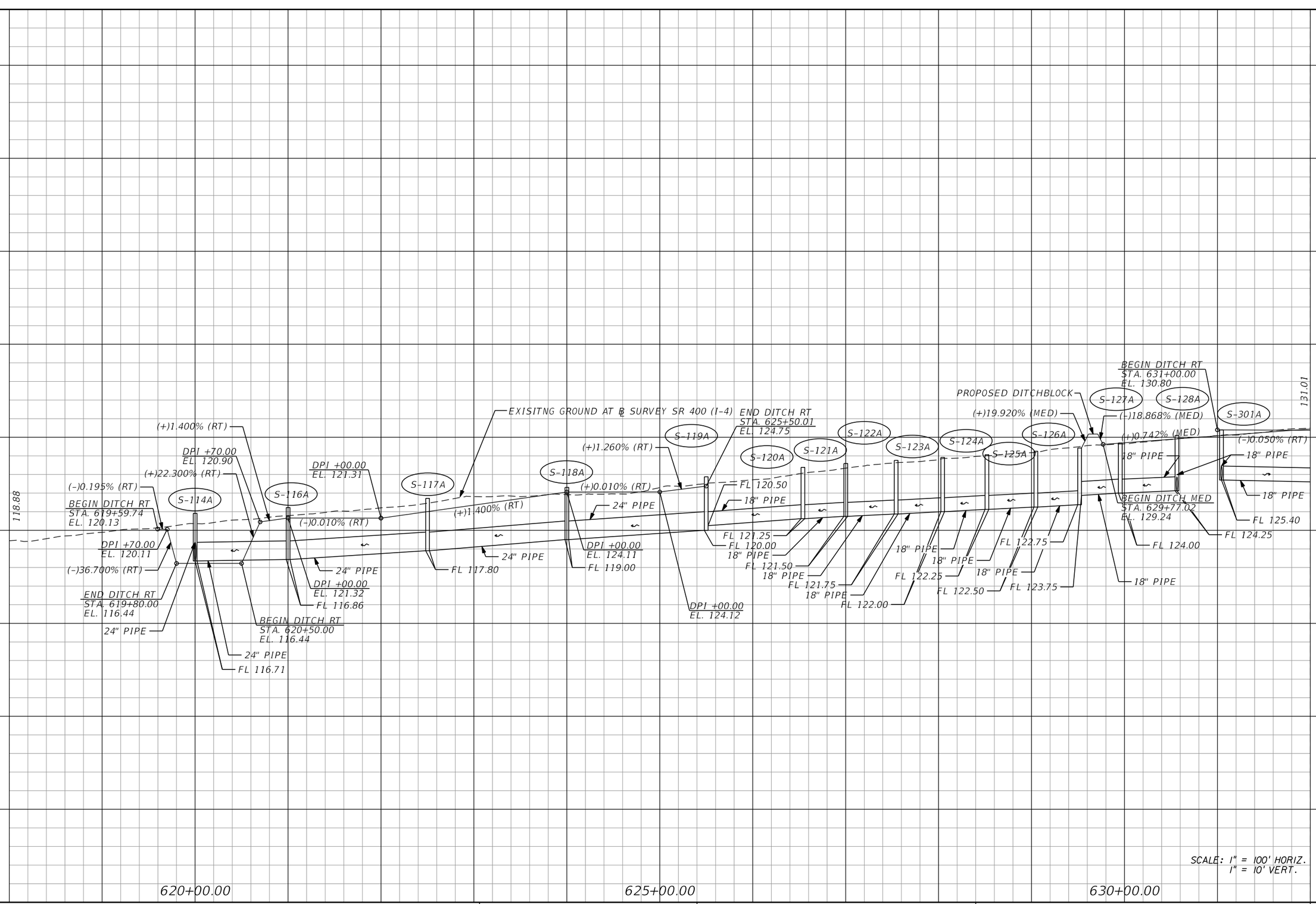
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) (6)
PROFILE

SHEET NO. 129

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:31:34 AM c:\pwworking\aecom_na\rmartini\d0166329\PROFRD_I-4_06.dgn



SCALE: 1" = 100' HORIZ.
1" = 10' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

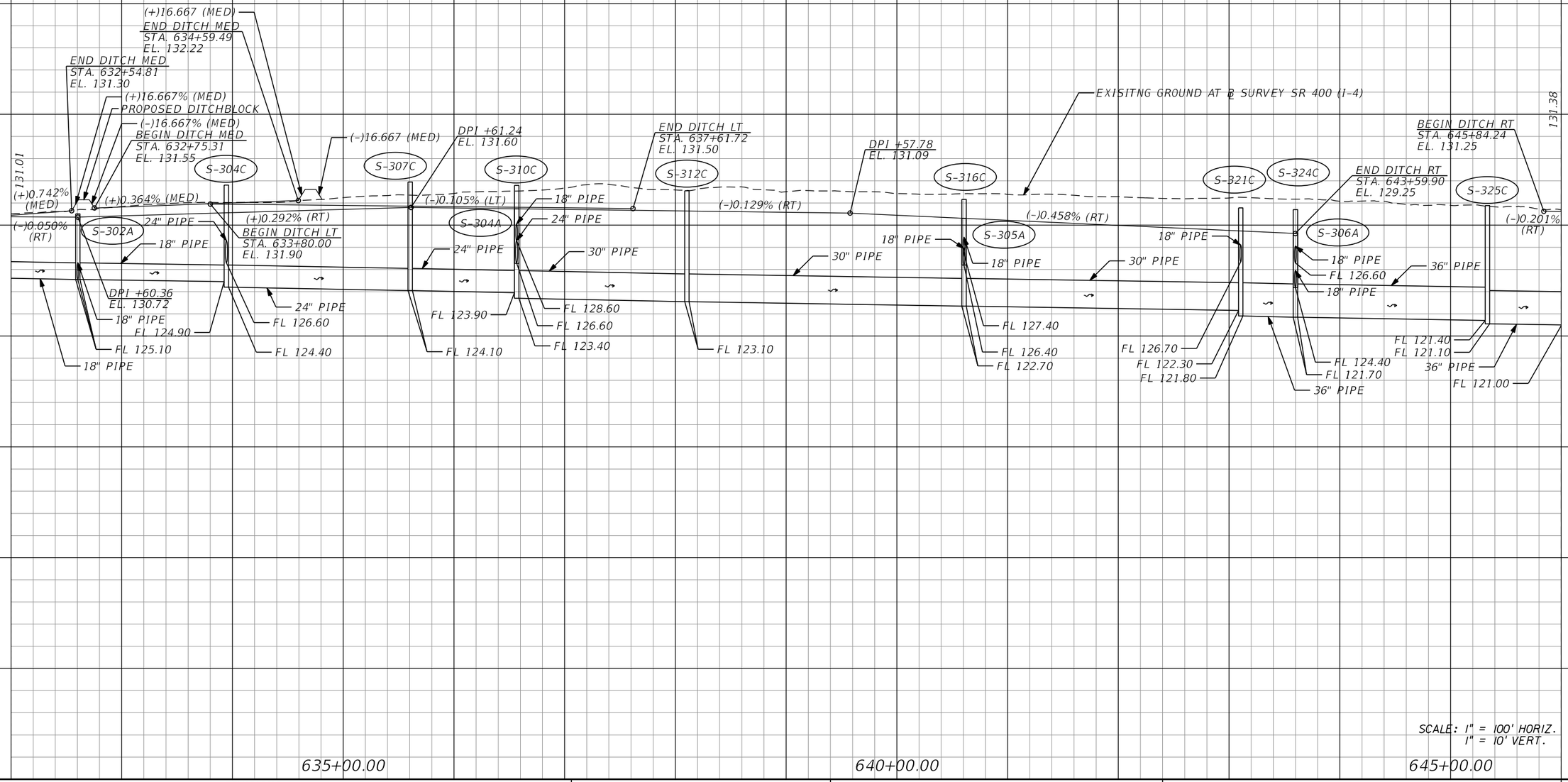
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) (7)
PROFILE

SHEET NO. 130

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:31:37 AM c:\pwworking\aecom_na\r.martini\d0166329\PROFRD_I-4_07.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

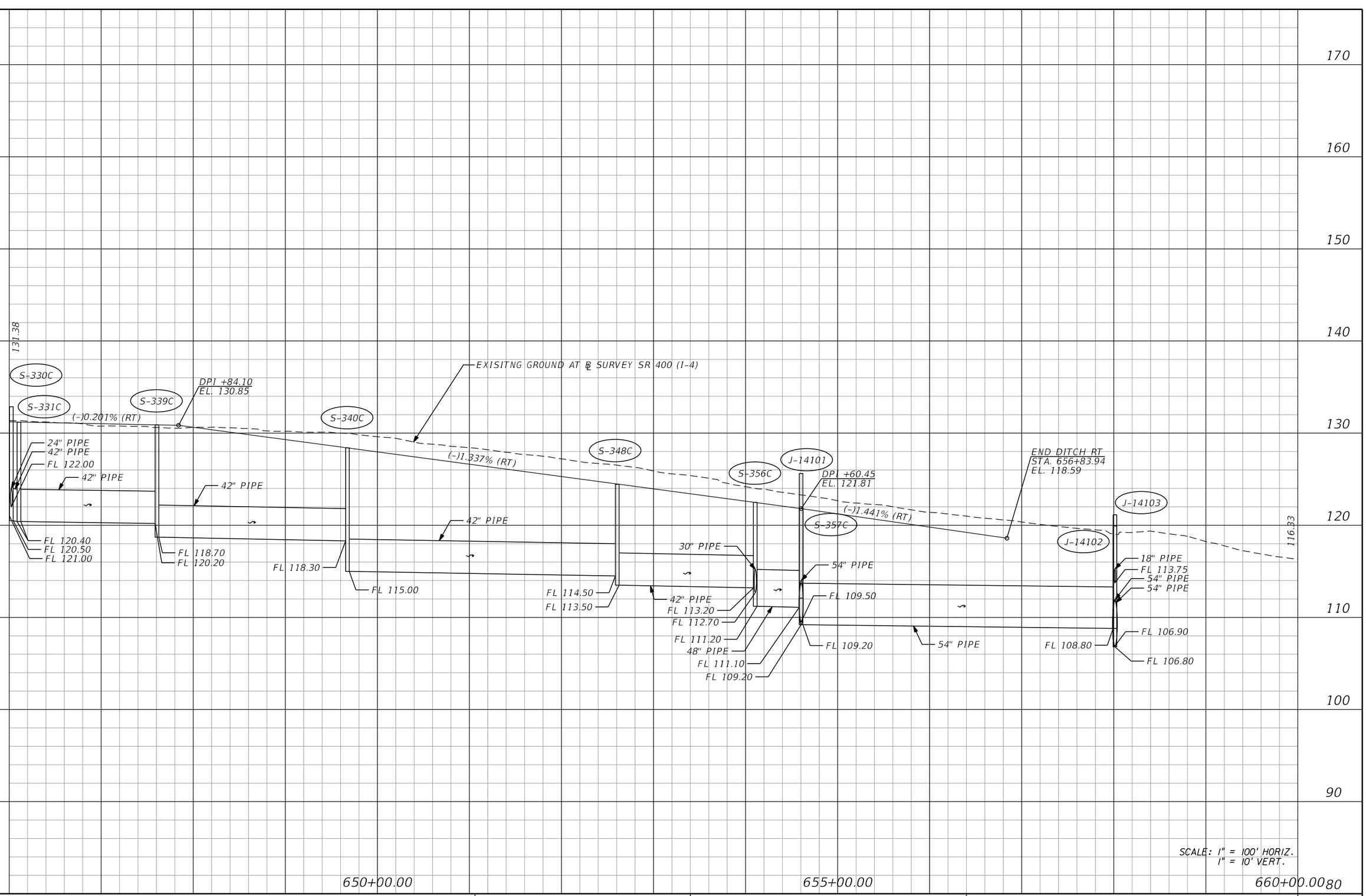
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) (8)
PROFILE

SHEET NO. 131

robert.martini 8/22/2019 10:31:40 AM c:\pwworking\aecom_na\rmartini\d0166329\PROFRD_I-4_08.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

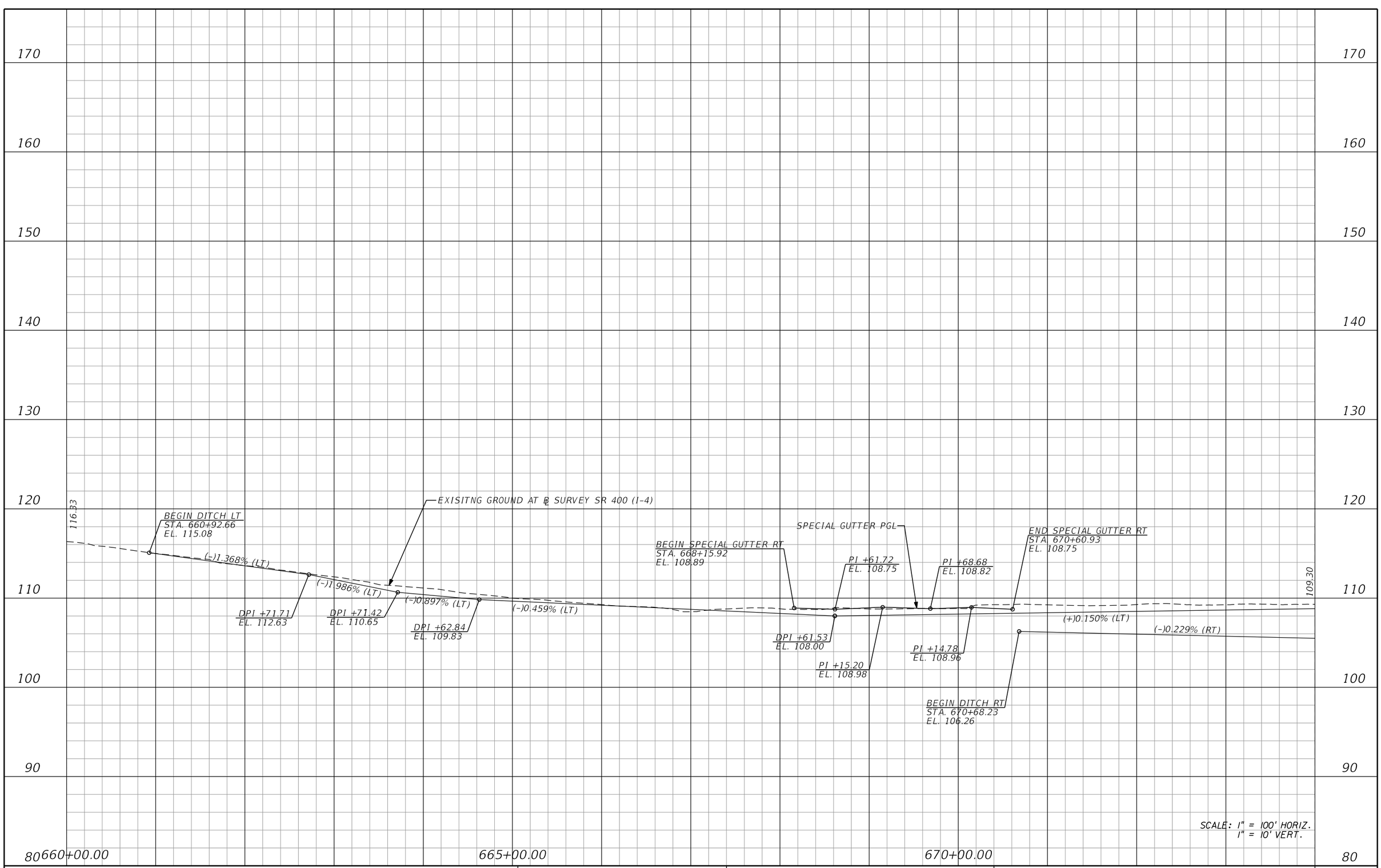
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) (9)
PROFILE

SHEET NO. 132



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) (10)
PROFILE

SHEET NO. 133

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

170
160
150
140
130
120
110
100
90
80

109.30
108.66

EXISITNG GROUND AT ℄ SURVEY SR 400 (I-4)

DPI +60.58
EL. 108.90

END DITCH RT
STA. 676+00.00
EL. 105.04

S-479C
S-480C

(+)0.150%
(LT)

(-)0.229% (RT)

(-)0.058% (LT)

18" PIPE
FL 104.98
18" PIPE
FL 104.70
FL 104.10
FL 103.35
60" PIPE
FL 97.45
FL 97.43

BEGIN DITCH RT
STA. 677+68.24
EL. 104.10

DPI +60.66
EL. 108.55

(+)0.325% (LT)

END DITCH LT
STA. 681+68.24
EL. 108.90

(+)0.680% (RT)

BEGIN SPECIAL GUTTER LT
STA. 682+60.00
EL. 109.51

DPI +68.24
EL. 107.50

PI +10.00
EL. 109.66

SPECIAL GUTTER PGL

PI +60.00
EL. 109.45

PI +88.28
EL. 109.34

PI +20.00
EL. 109.44

(+)0.057% (RT)

PI +80.00
EL. 109.26

PI +20.00
EL. 109.50

END SPECIAL GUTTER LT
STA. 685+60.00
EL. 109.26

END DITCH RT
STA. 685+68.24
EL. 107.67

SCALE: 1" = 100' HORIZ.
1" = 10' VERT.

675+00.00
680+00.00
685+00.00

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

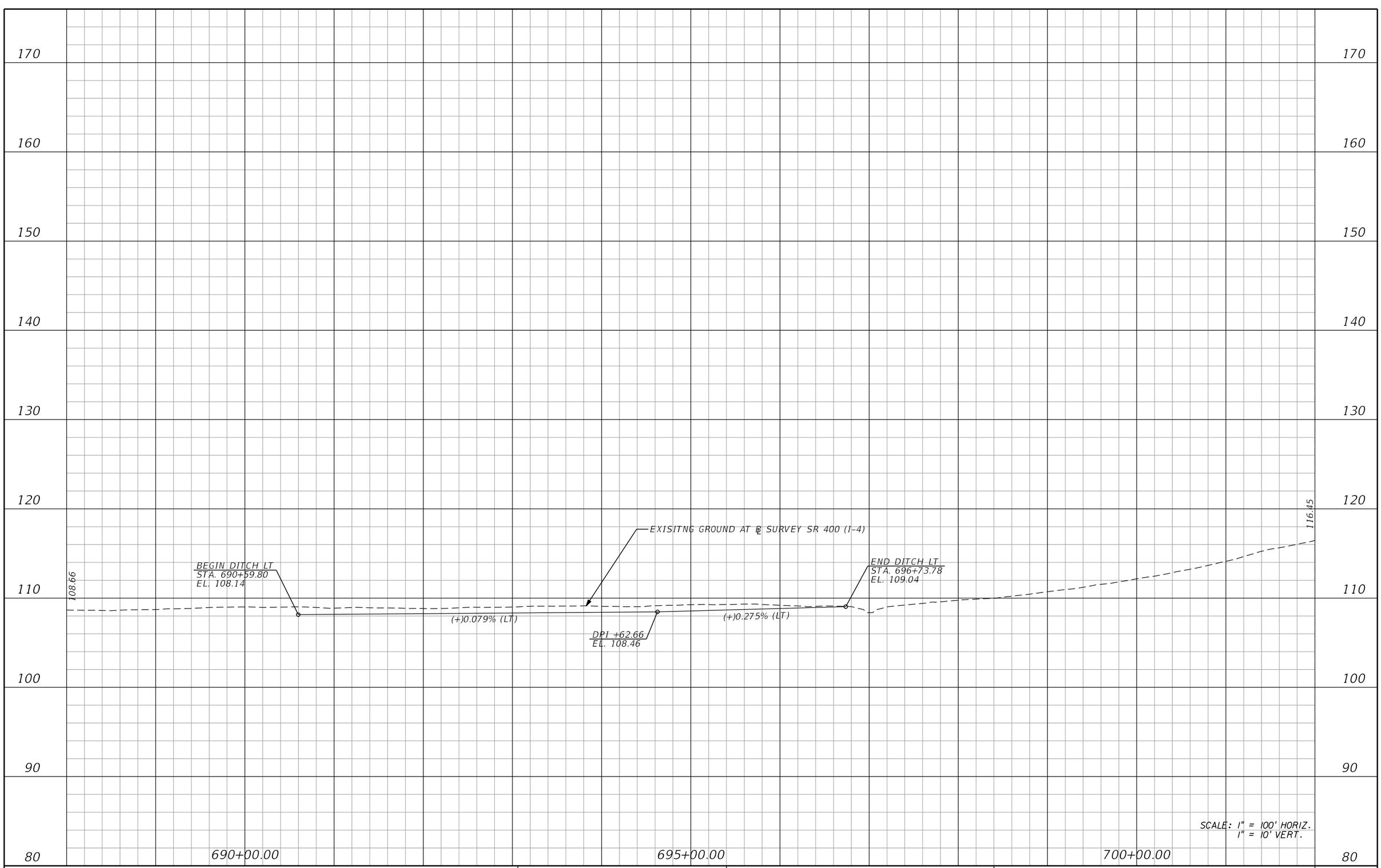
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) (11)
PROFILE

SHEET NO. 134

robert.martini 8/22/2019 10:31:49 AM c:\pwworking\aecom_na\rmartini\d0166329\PROFRD_I-4_11.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) (12)
PROFILE

SHEET NO. 135

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

170
160
150
140
130
120
110
100
90
80

END PROJECT 441113-1-52-01
℄ SURVEY SR 400 (I-4)
STA. 707+00.00
EL. 123.66

EXISITNG GROUND AT ℄ SURVEY SR 400 (I-4)

116.45

CENTRAL
FLORIDA
PKWY

705+00.00
710+00.00
715+00.00

SCALE: 1" = 100' HORIZ.
1" = 10' VERT.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

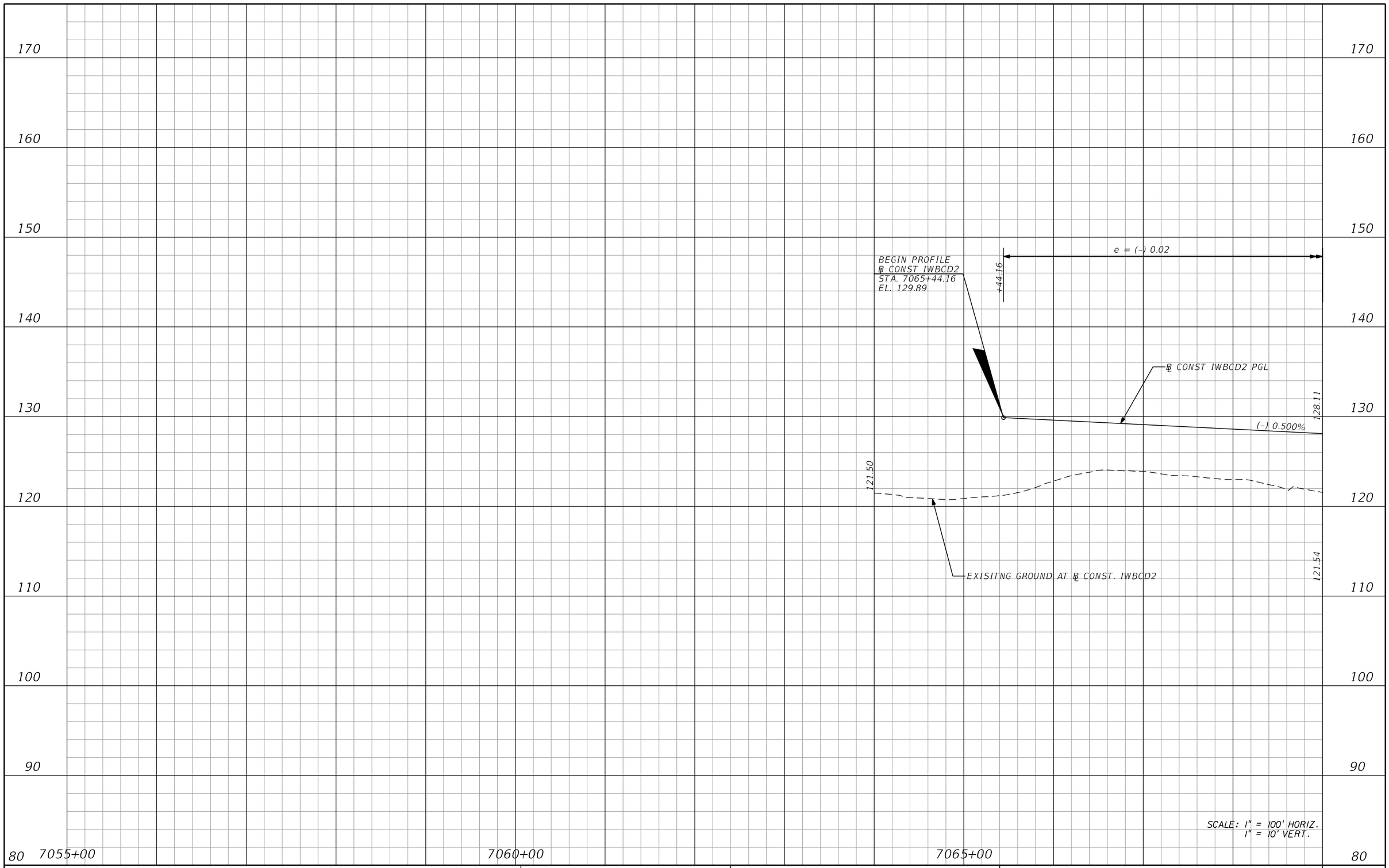
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4) (13)
PROFILE

SHEET NO.
136

robert.martini 8/22/2019 10:31:54 AM c:\pwworking\aecom_na\rmartini\d0166329\PROFRD_I-4_13.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

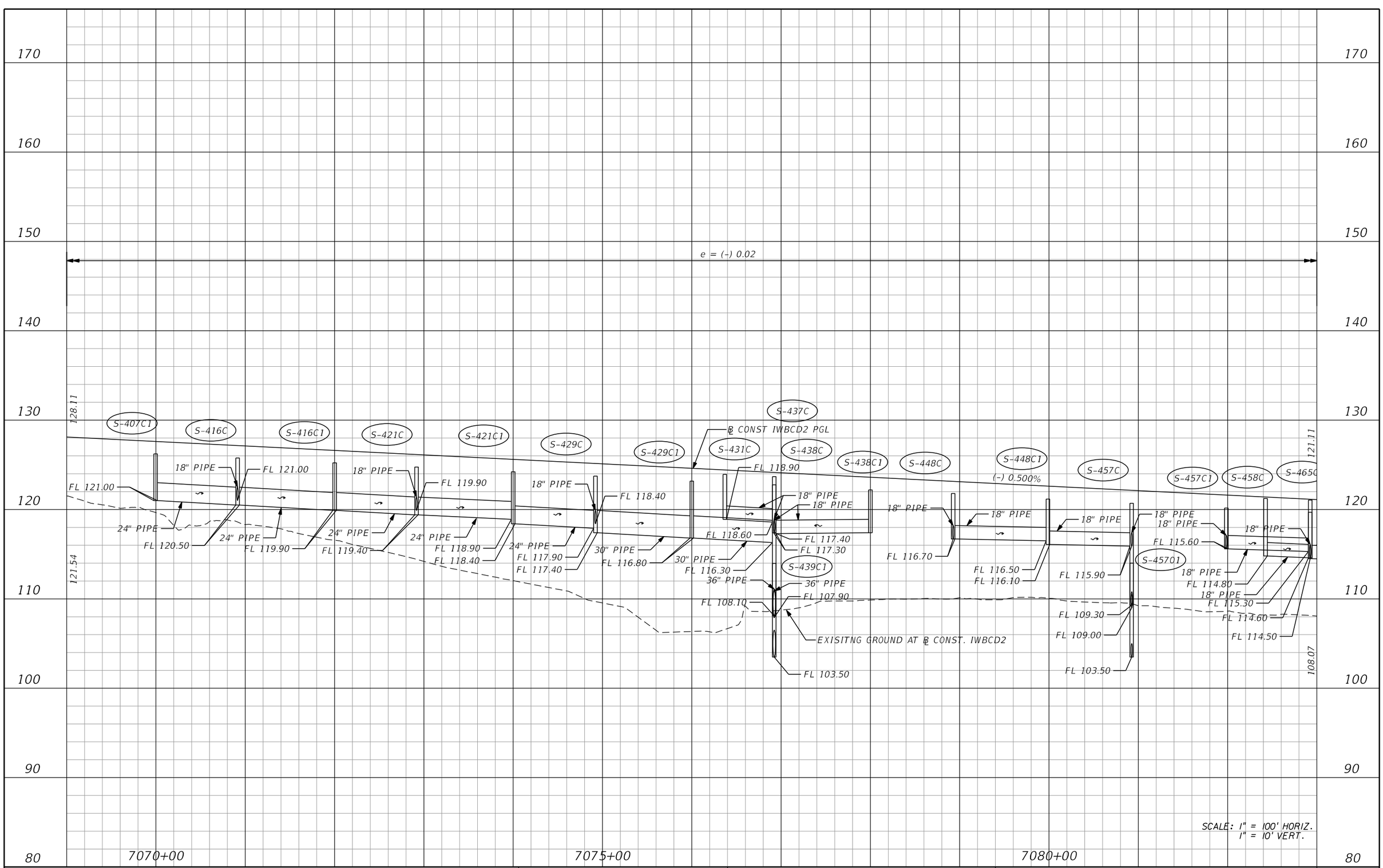
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

IWBCD2 (1) PROFILE

SHEET NO. 137

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

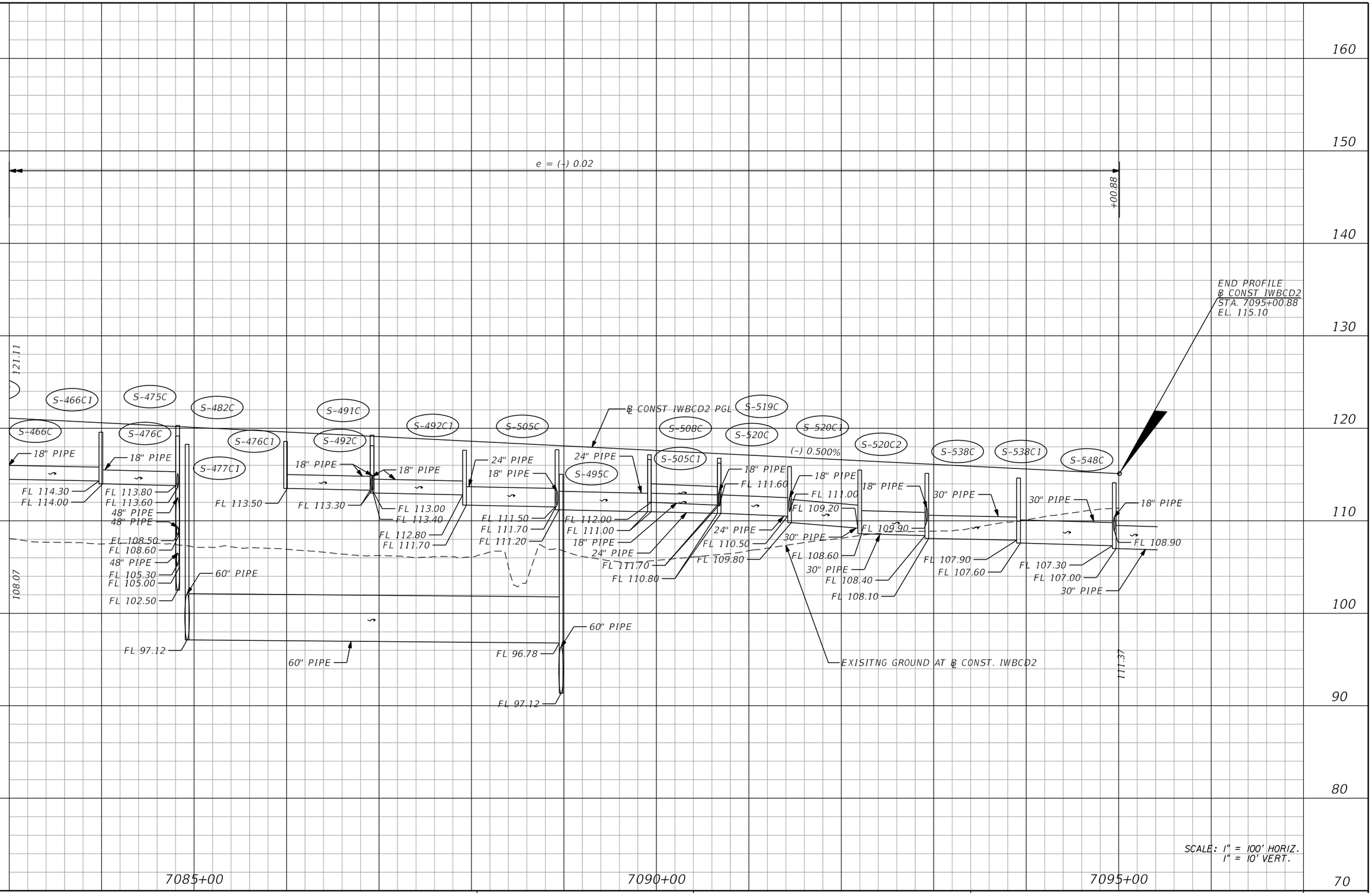
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

IWBCD2 (2) PROFILE

SHEET NO. 138

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:32:01 AM c:\pwworking\aecom_na\rmartini\d0166329\PROFRD_IWBCD2_02.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

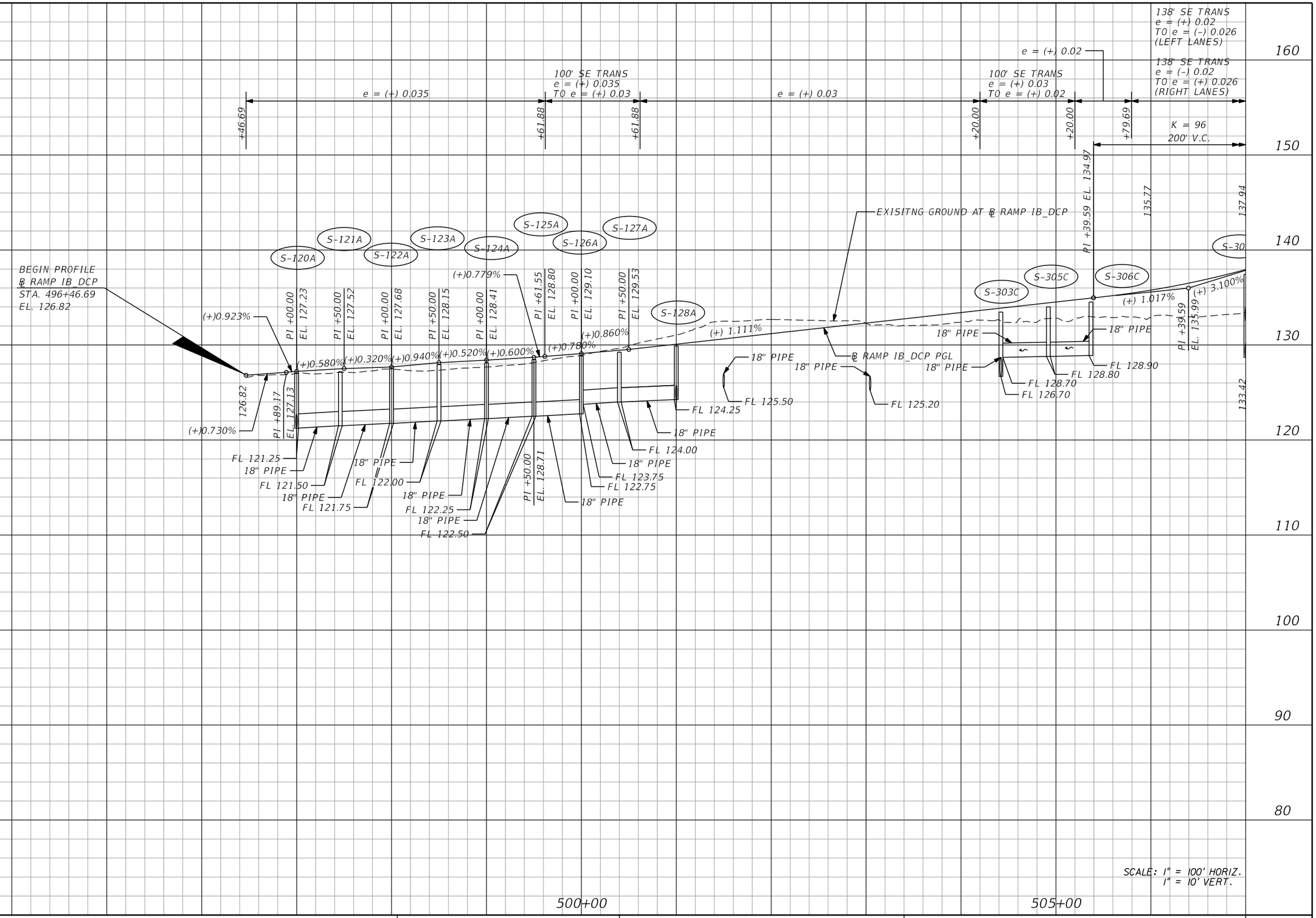
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

IWBCD2 (3)
PROFILE

SHEET NO. 139

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:32:04 AM c:\pwworking\aecom_na\rmartini\d0166329\PROFRD_IWBCD2_03.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

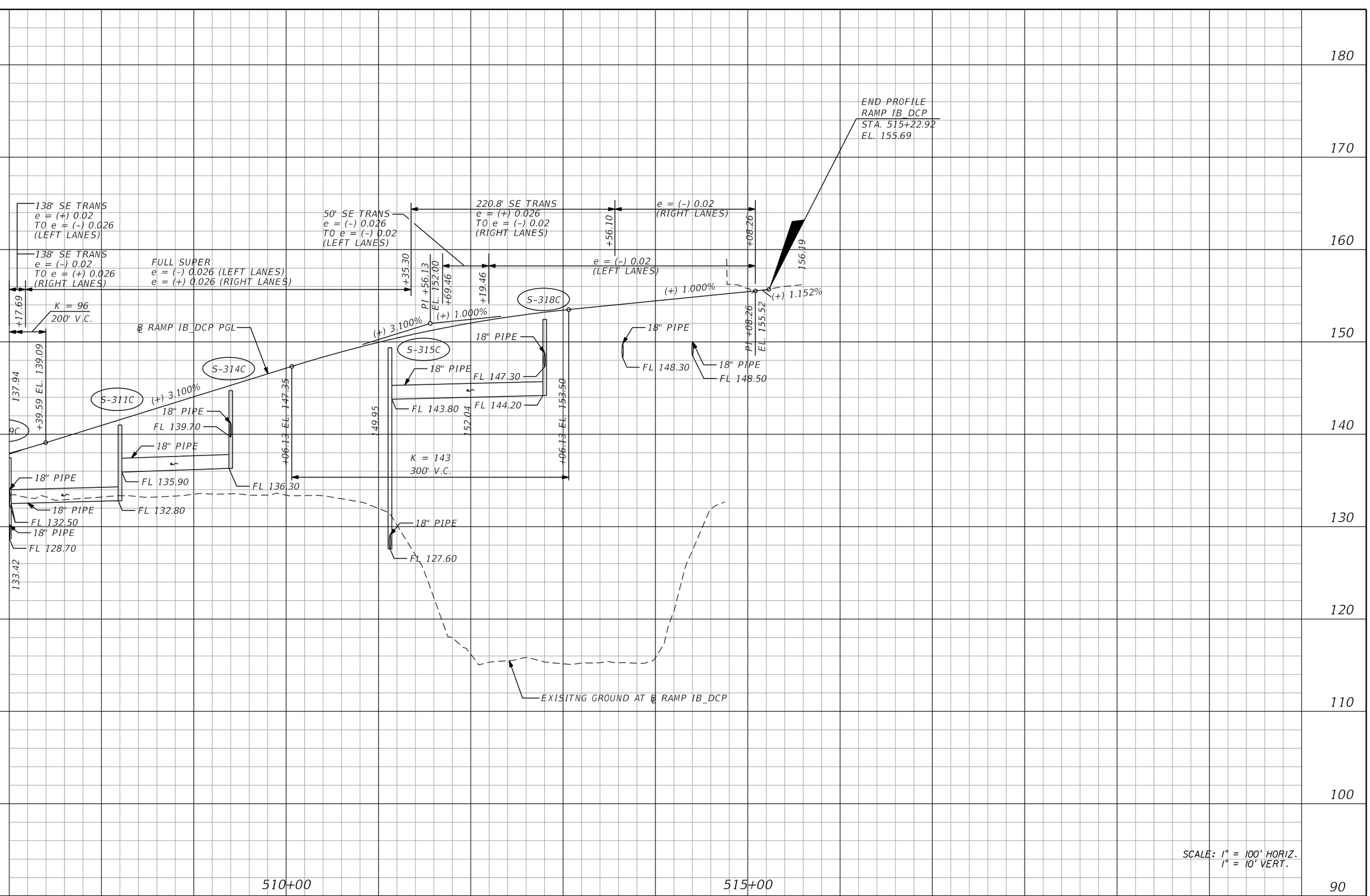
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IB_DCP (1)
PROFILE

SHEET NO. 140

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:32:07 AM c:\pwworking\aecom_na\rmartini\d0166329\PROFRD_IB_DCP01.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

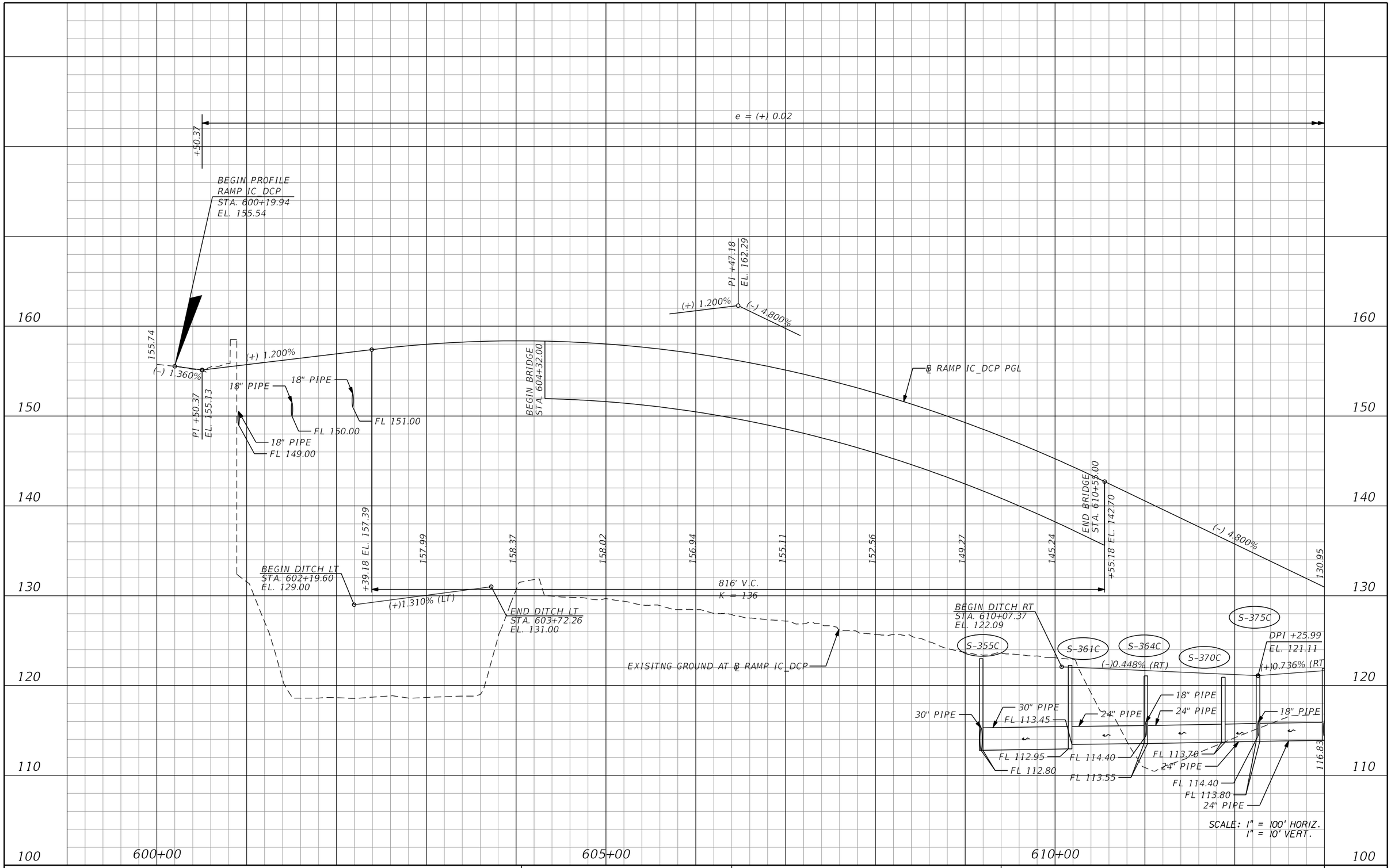
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IB_DCP (2) PROFILE

SHEET NO. 141

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:32:10 AM c:\pwworking\aecom_na\rmartini\d0166329\PROFRD_IB_DCP02.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

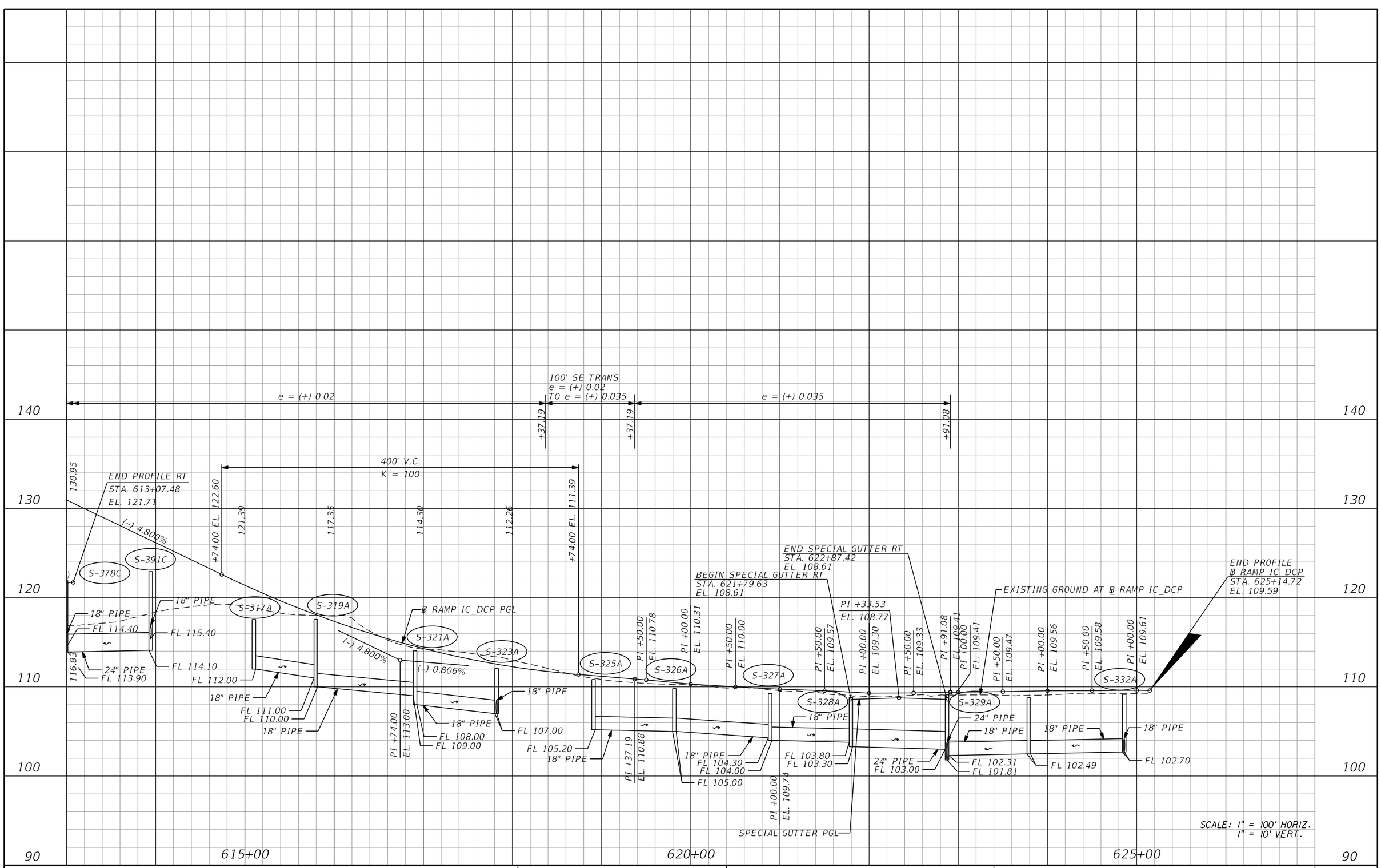
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IC DCP (1) PROFILE

SHEET NO. 142



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

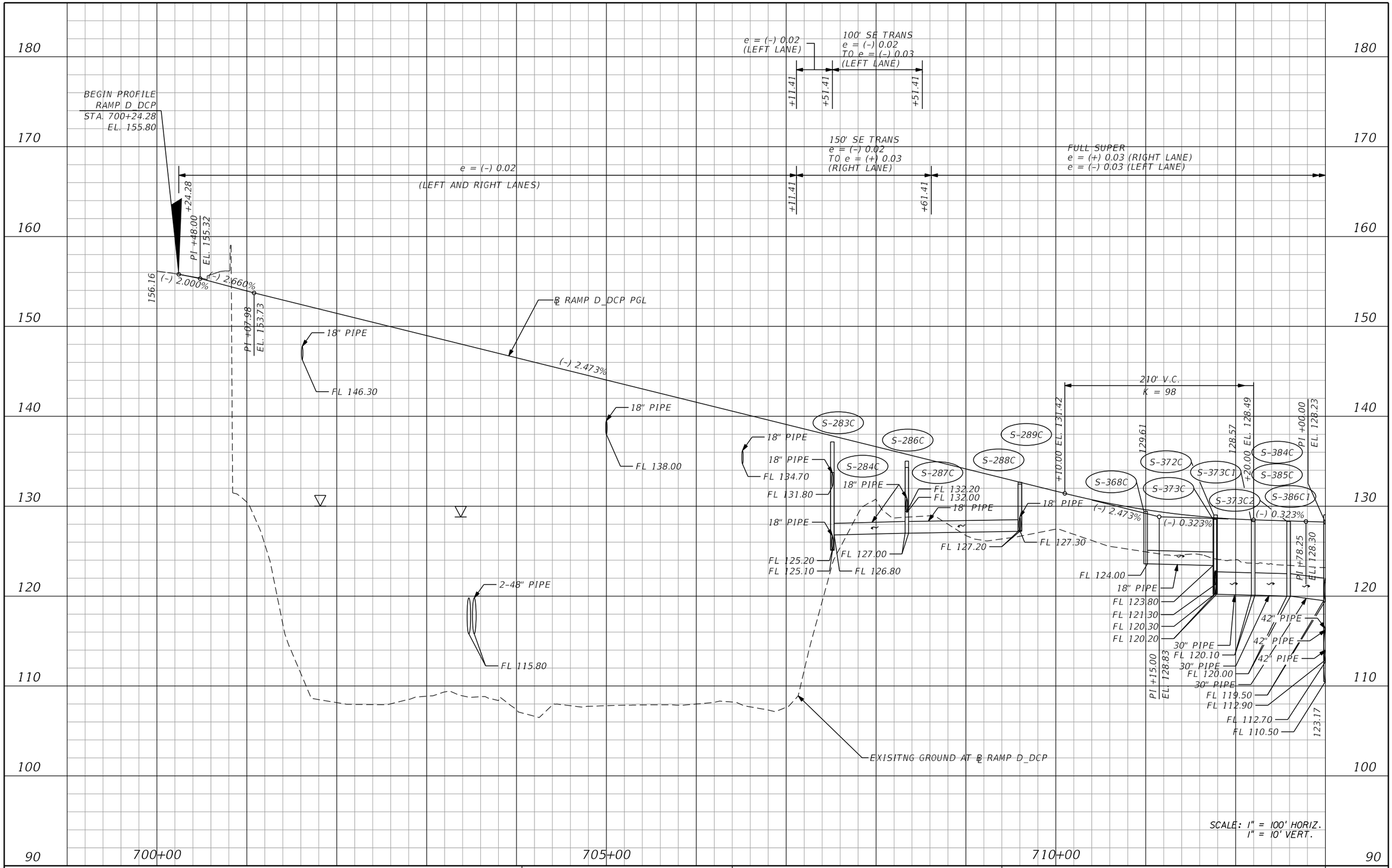
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IC DCP (2)
PROFILE

SHEET NO. 143

robert.martini 8/22/2019 10:32:17 AM c:\pwworking\aecom_na\rmartini\d0166329\PROFRD_IC_DCP02.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

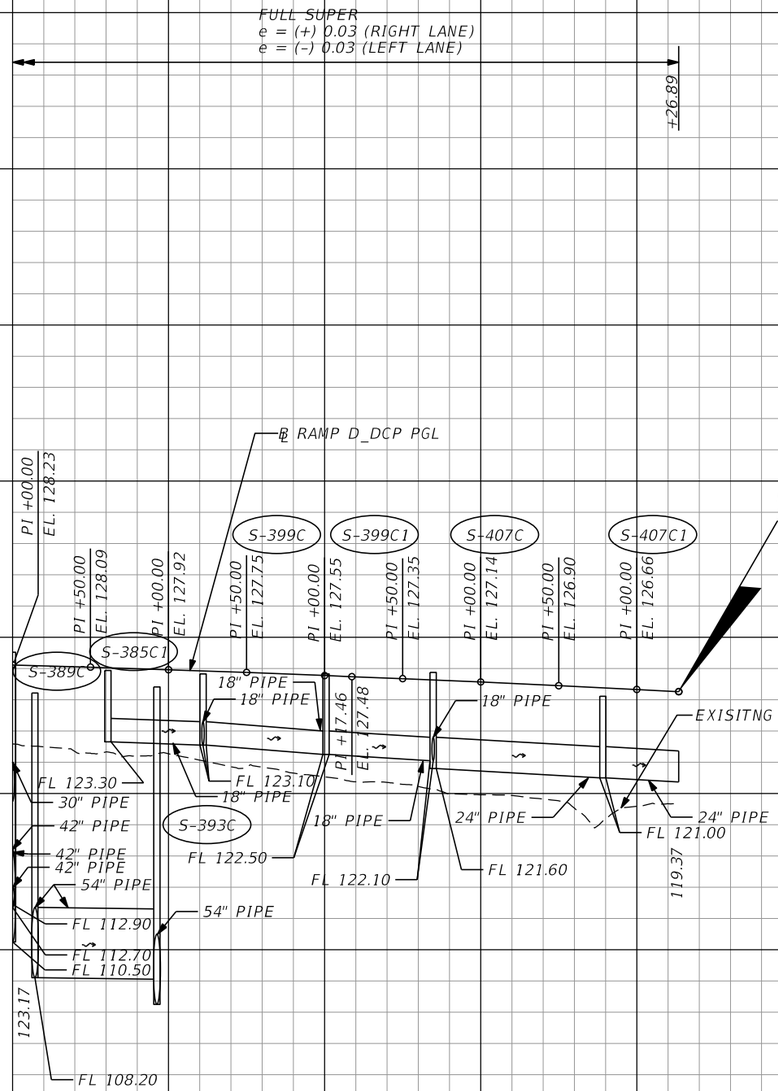
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP D DCP (1) PROFILE

SHEET NO. 144

robert.martini 8/22/2019 10:32:20 AM c:\pwworking\aecom_na\rmartini\d0166329\PROFRD_D_DCP_01.dgn



SCALE: 1" = 100' HORIZ.
1" = 10' VERT.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

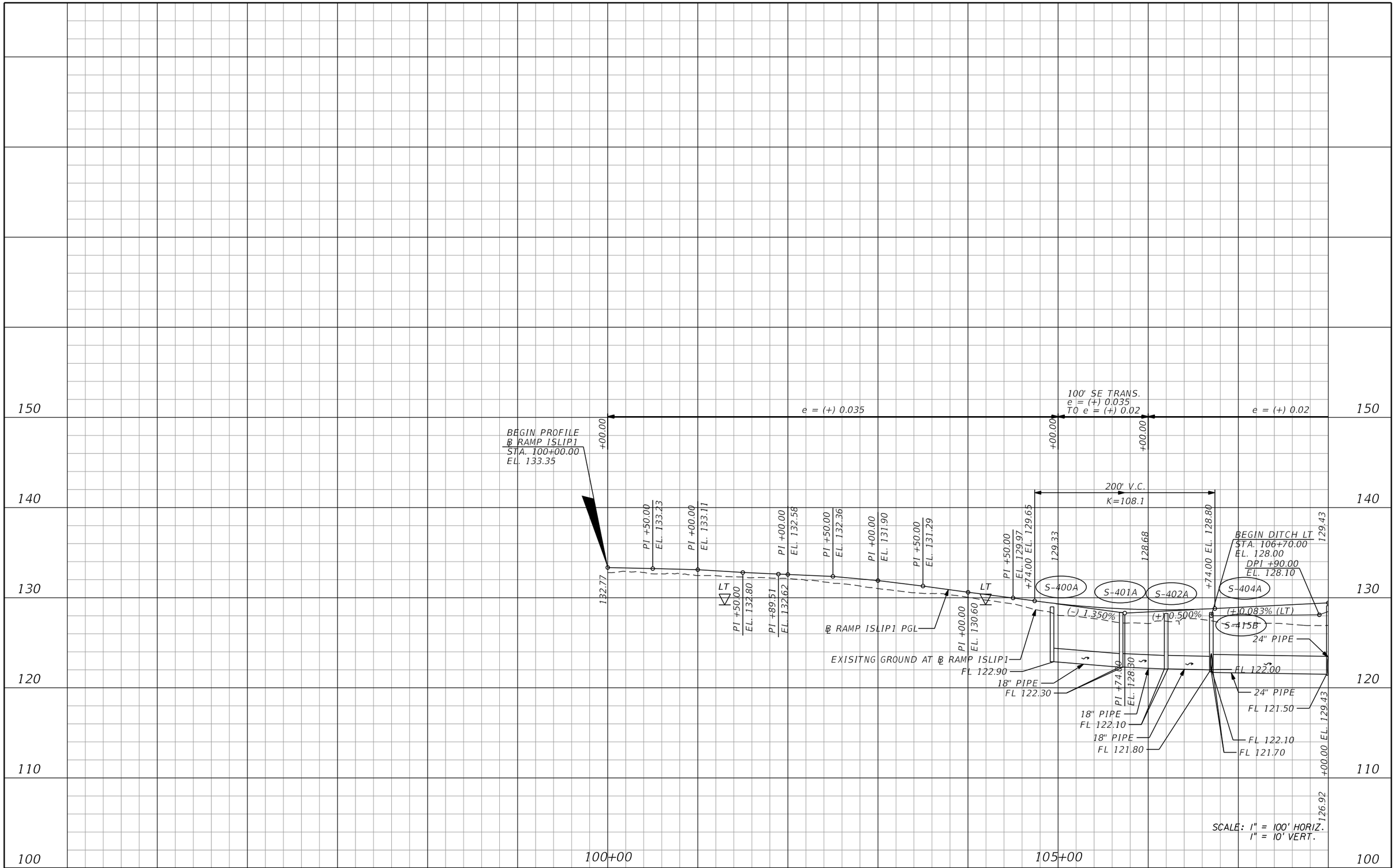
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP D DCP (2) PROFILE

SHEET NO. 145



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

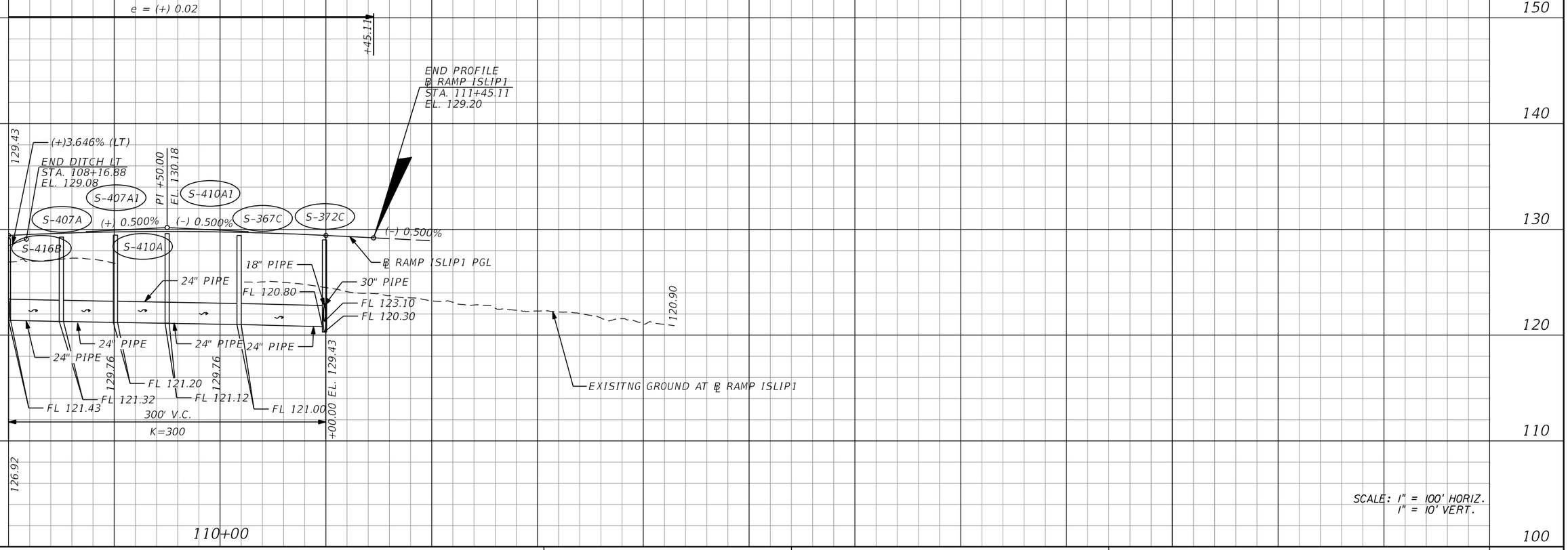
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP ISLIP1 (1) PROFILE

SHEET NO. 146

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:32:26 AM c:\pwworking\aecom_na\rmartini\d0166329\PROFRD_ISLIP1_DCP01.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

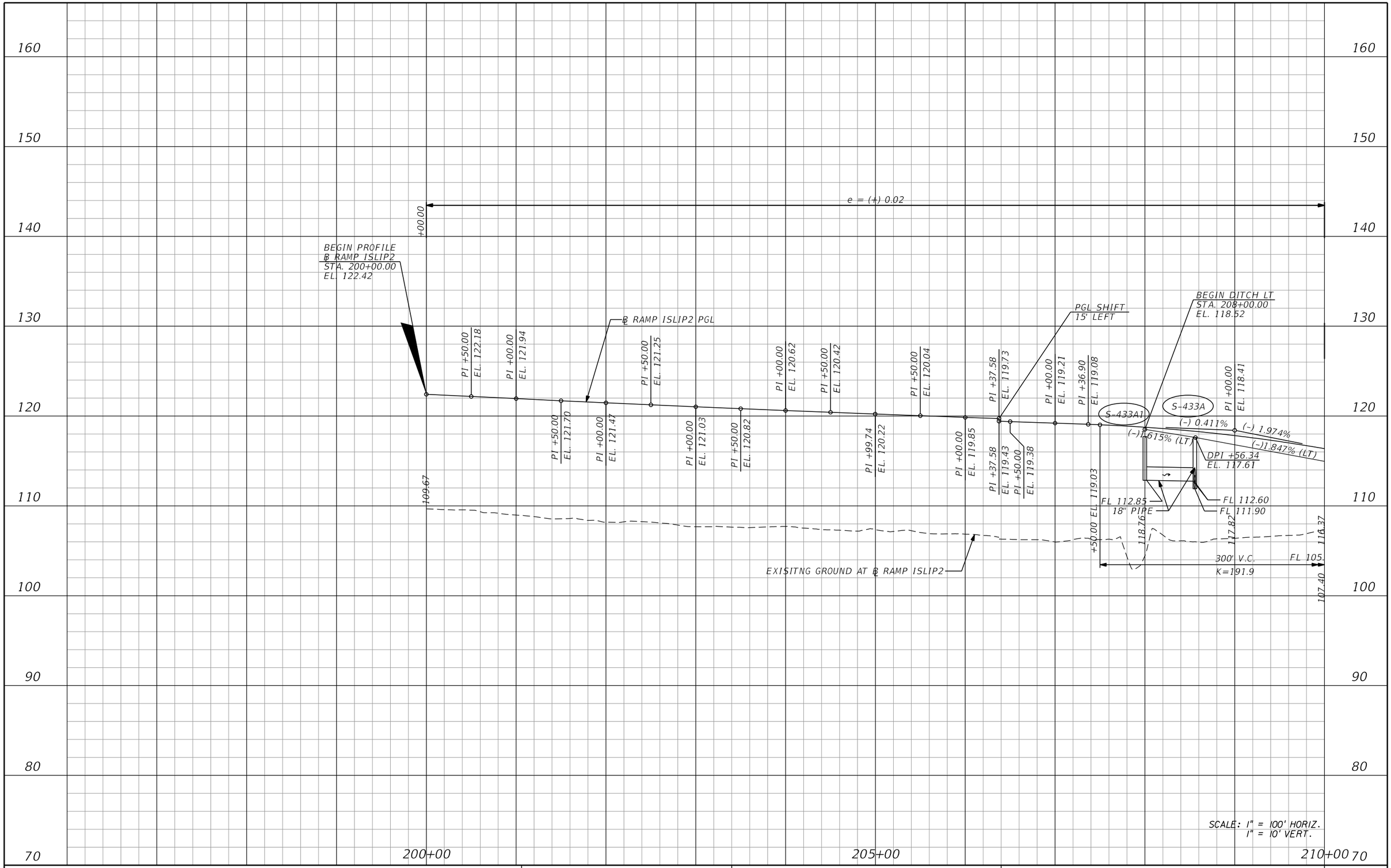
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP ISLIP1 (2) PROFILE

SHEET NO. 147

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP ISLIP2 (1) PROFILE

SHEET NO. 148

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:32:32 AM c:\pwworking\aecom_na\rmartini\d0166329\PROFRD_ISLIP2_DCP01.dgn

160
150
140
130
120
110
100
90
80
70

e = (+) 0.02

100' SE TRANS.
e = (+) 0.02
TO e = (+) 0.035

e = (+) 0.035

+00.00

+00.00

+60.78

200' V.C.
K=96

℄ RAMP ISLIP2 PGL

END PROFILE
℄ RAMP ISLIP2
STA. 218+60.78
EL. 110.06

END DITCH LT
STA. 218+58.36
EL. 108.14

S-438A

DPI +57.60
EL. 110.20

(-)1.847% (LT)

(-) 1.974%

(-) 1.974%

(+) 0.109%

(-)1.308% (LT)

(-)1.038% (LT)

(+)0.092% (LT)

(+)0.094% (LT)

(+)0.079% (LT)

S-443A

S-446A

S-447A

S-448A

24" PIPE

30" PIPE

30" PIPE

24" PIPE

FL 105.00

FL 102.00

FL 101.70

FL 101.20

FL 100.90

FL 100.60

EXISITNG GROUND AT ℄ RAMP ISLIP2

+76.00 EL. 110.99

110.54

109.34

107.80 +76.00 EL. 109.12

PI +00.00 EL. 109.15

PI +44.81 EL. 109.26

PI +50.00 EL. 109.26

PI +00.00 EL. 109.28

PI +50.00 EL. 109.48

PI +00.00 EL. 109.64

PI +50.00 EL. 109.78

PI +00.00 EL. 109.91

PI +50.00 EL. 110.02

+50.00 EL. 115.45

116.37

40

107.40

DPI +65.41
EL. 108.79

+76.00 EL. 109.01

DPI +60.80
EL. 107.80

DPI +67.35
EL. 107.90

DPI +68.31
EL. 107.99

PI +18.30
EL. 109.93

109.64

210+00

215+00

SCALE: 1" = 100' HORIZ.
1" = 10' VERT.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

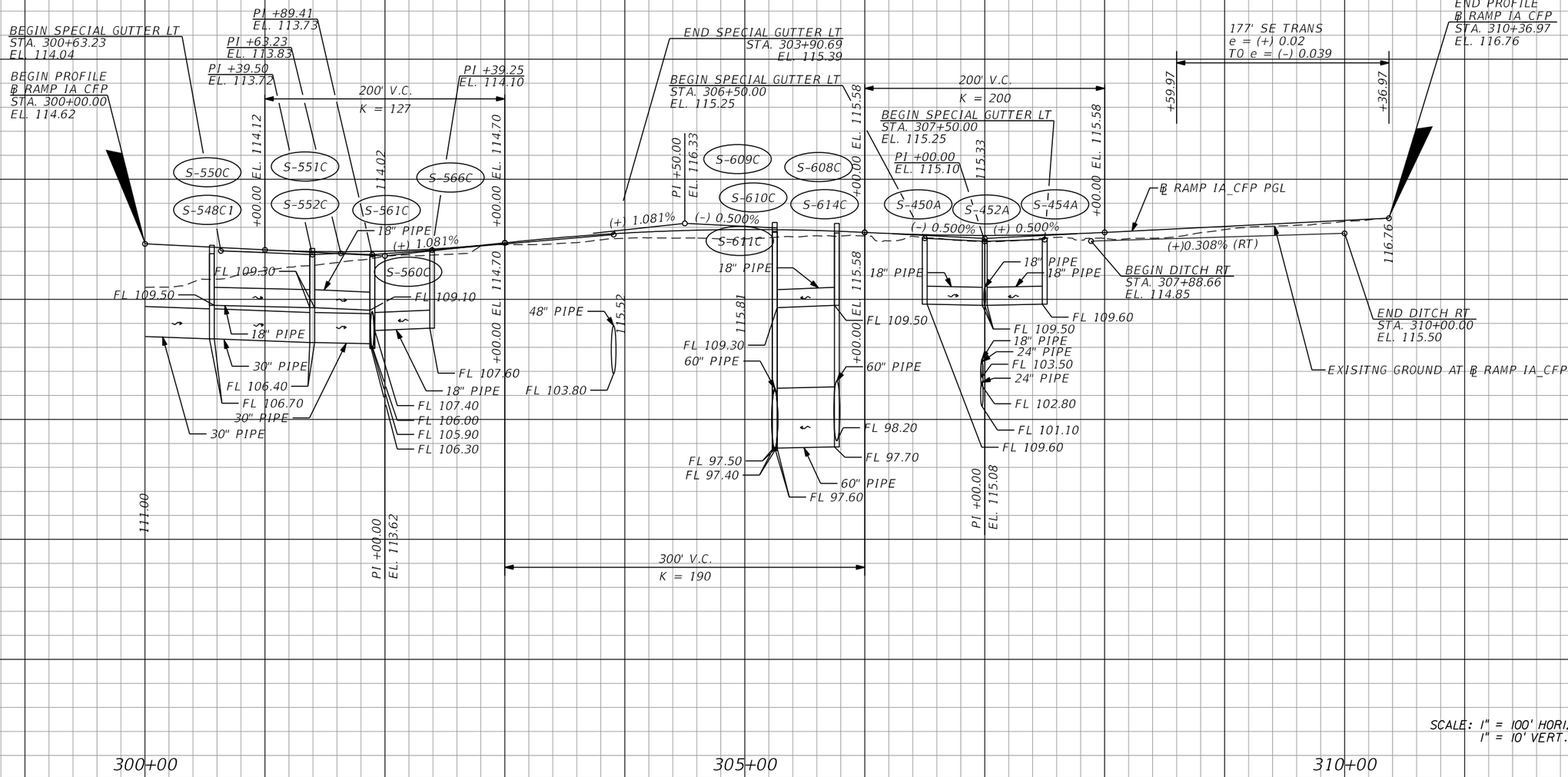
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP ISLIP2 (2) PROFILE

SHEET NO. 149

robert.martini 8/22/2019 10:32:35 AM c:\pwworking\aecom_na\rmartini\d0166329\PROFRD_ISLIP2_DCP02.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

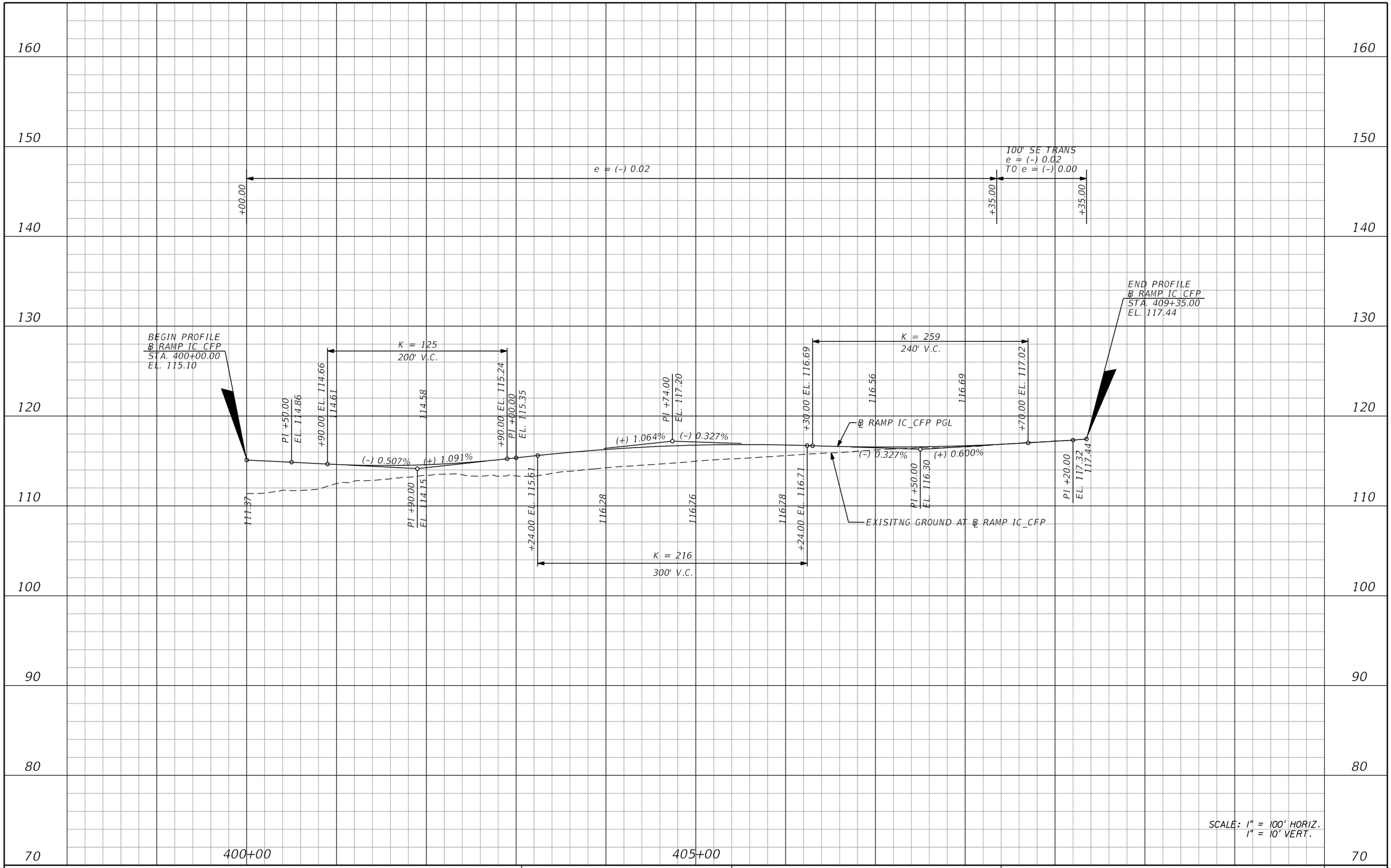
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IA_CFP (1)
PROFILE

SHEET NO. 150

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:32:38 AM c:\pwworking\aecom_na\rmartini\d0166329\PROFRD_IA_CFP01.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

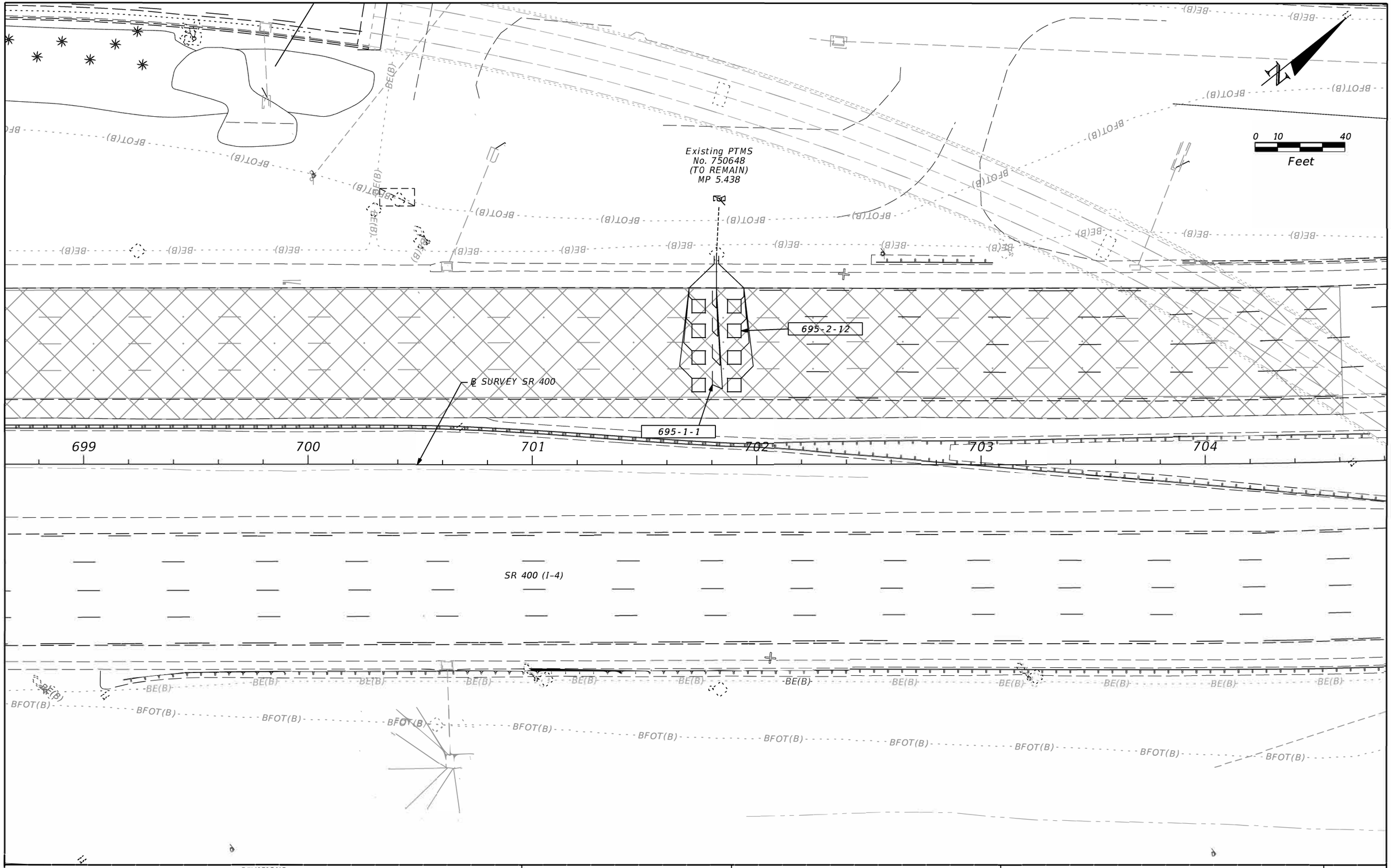
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IC CFP (1)
PROFILE

SHEET NO. 151

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 10:32:42 AM c:\pwworking\aecom_na\rmartini\d0166329\PROFRD_IC_CFP01.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E. PE No. 49486
Traffic Engineering Data Solutions, Inc.
80 Spring Vista Drive Phone: 386.753.0558
DeBary, FL 32713 Fax: 386.753.0778
CERTIFICATE OF AUTHORIZATION # 27392

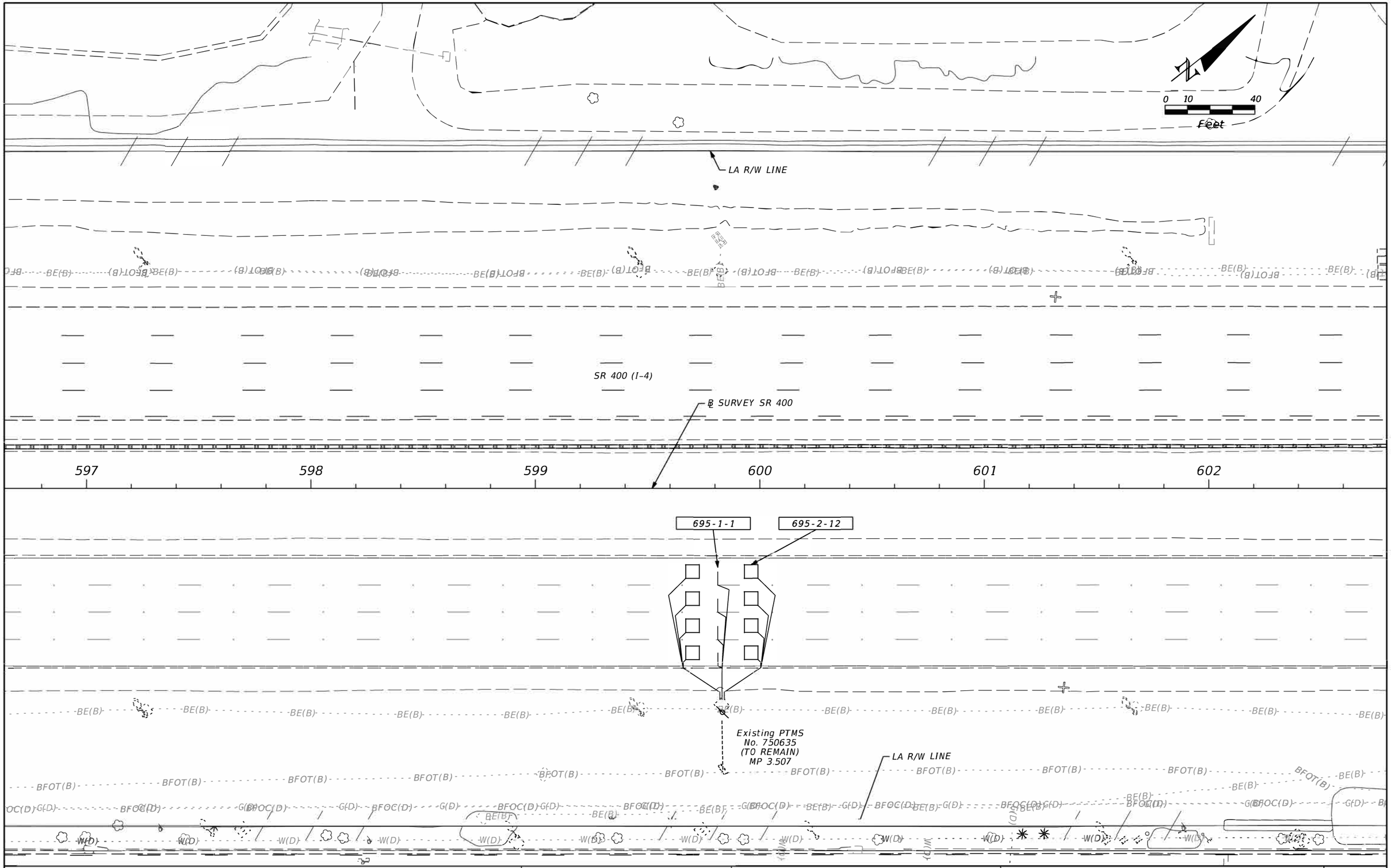
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TRAFFIC MONITORING SITE
PTMS 750648

SHEET NO. 152

robert.martini 8/22/2019 12:53:05 PM c:\pwworking\aecom_na\rmartini\d0164830\PLANSG07.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E. PE No. 49486
Traffic Engineering Data Solutions, Inc.
80 Spring Vista Drive Phone: 386.753.0558
DeBary, FL 32713 Fax: 386.753.0778
CERTIFICATE OF AUTHORIZATION # 27392

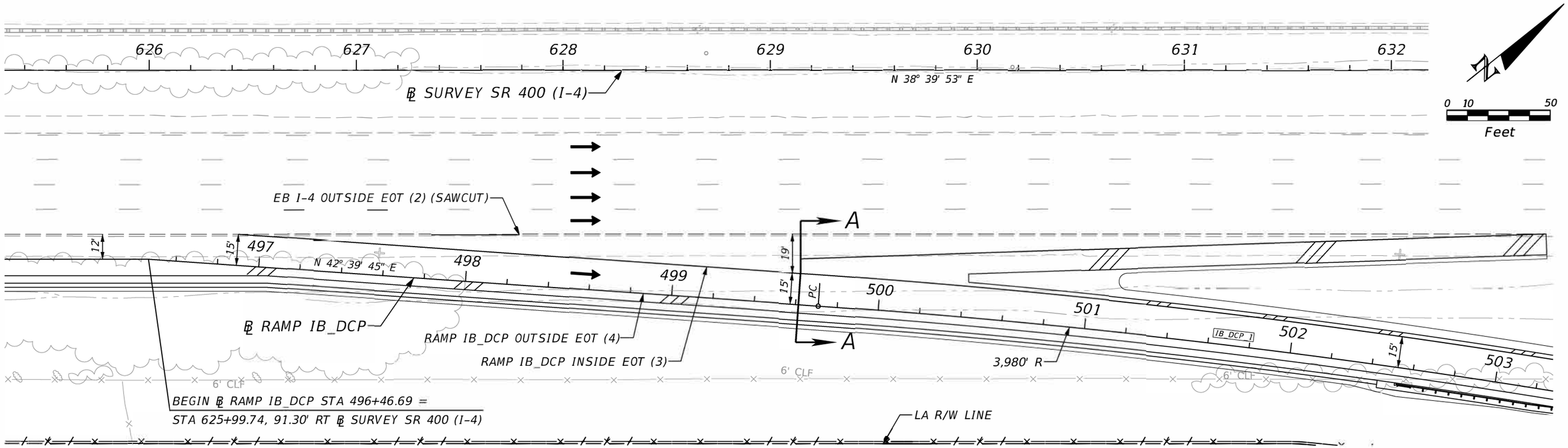
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

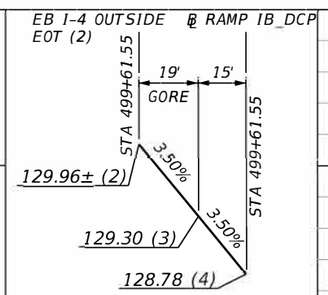
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TRAFFIC MONITORING SITE
PTMS 750635

SHEET NO. 153

robert.martini 8/22/2019 12:53:08 PM c:\pwworking\aecom_na\rmartini\d0164830\PLANSG08.dgn





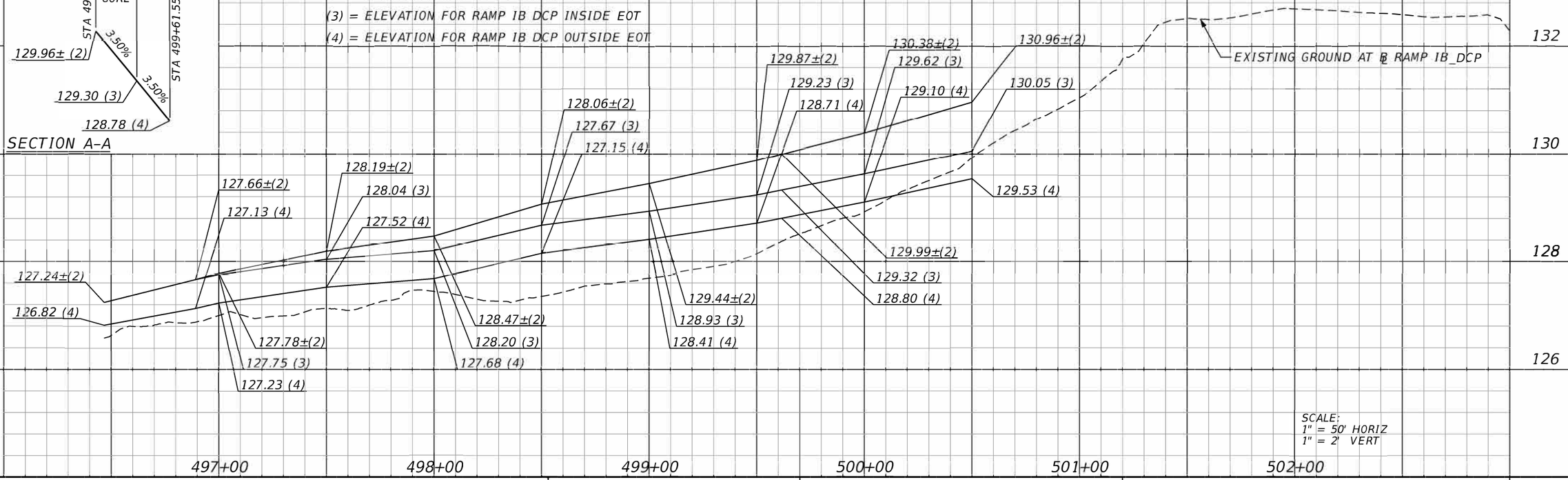
SECTION A-A

LEGEND

(2) = ELEVATION FOR EB I-4 OUTSIDE EOT

(3) = ELEVATION FOR RAMP IB DCP INSIDE EOT

(4) = ELEVATION FOR RAMP IB DCP OUTSIDE EOT



SCALE:
1" = 50' HORIZ
1" = 2' VERT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

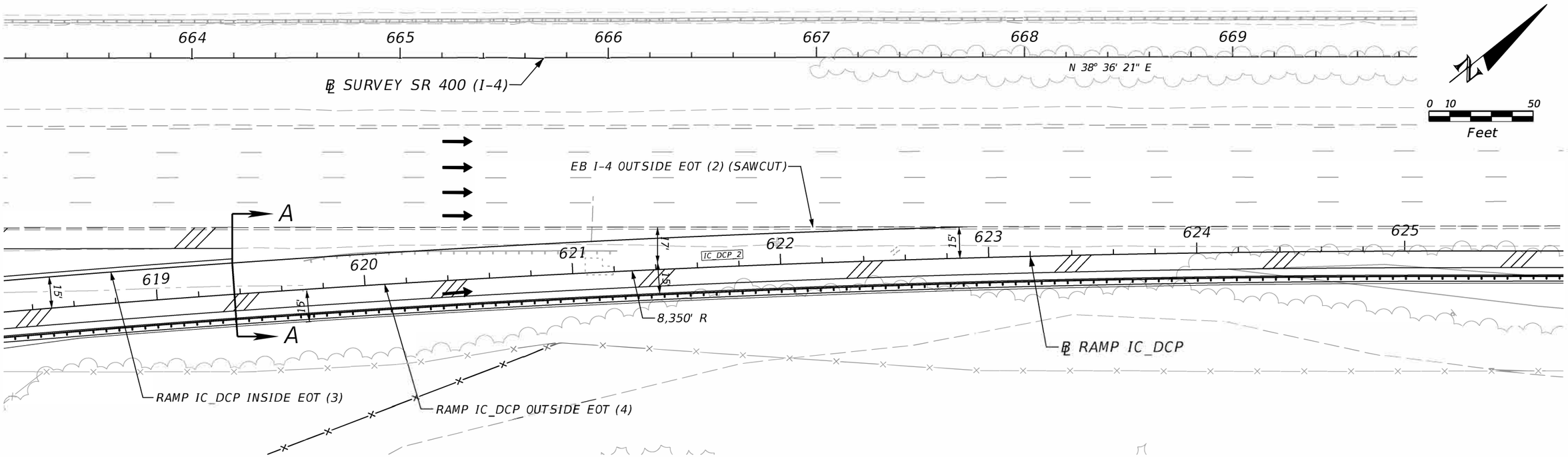
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP TERMINAL DETAIL
EB I-4 & RAMP IB DCP

SHEET NO. 154

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:10:08 AM c:\pwworking\aecom_na\rmartini\d0164870\INTDRD04_IB_DCP.DGN

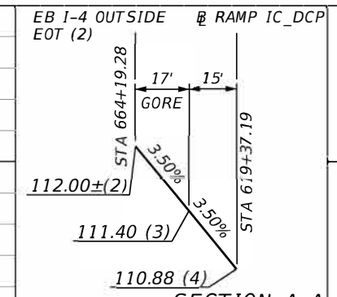


LEGEND

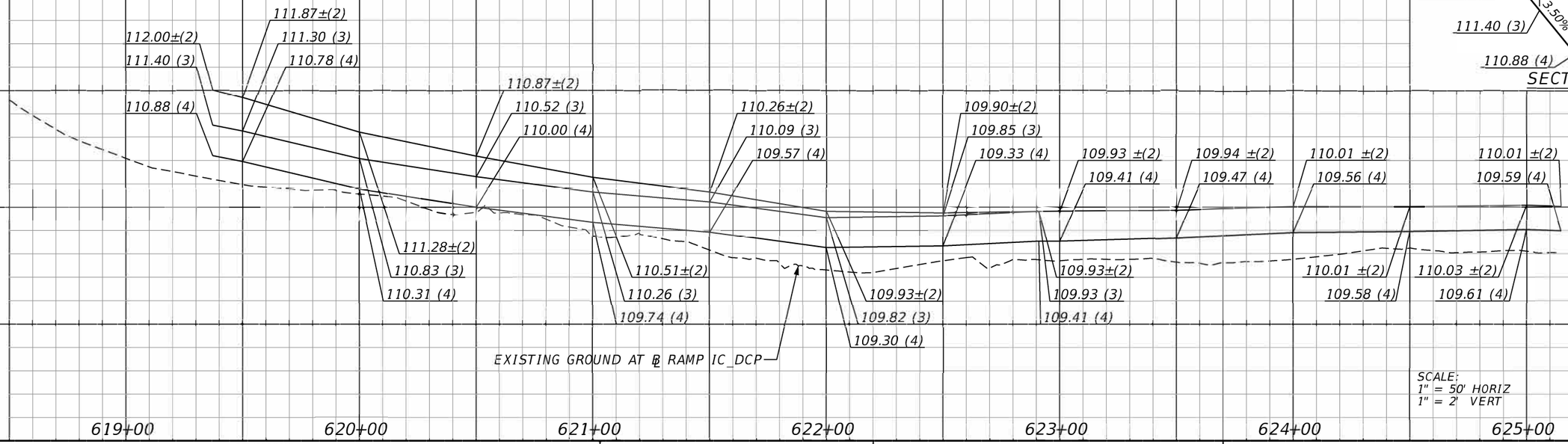
(2) = ELEVATION FOR EB I-4 OUTSIDE EOT

(3) = ELEVATION FOR RAMP IC DCP INSIDE EOT

(4) = ELEVATION FOR RAMP IC DCP OUTSIDE EOT



SECTION A-A



SCALE:
1" = 50' HORIZ
1" = 2' VERT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP TERMINAL DETAIL
EB I-4 & RAMP IC DCP

SHEET NO. 155

robert.martini 8/22/2019 11:10:14 AM c:\pwworking\aecom_na\rmartini\d0164870\INTDRD05_IC_DCP.DGN

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

BEGIN ℄ CONST IWBCD2 PC STA 7064+00.00 =
STA 655+70.14, 111.04' LT ℄ SURVEY SR 400 (I-4)

LA R/W LINE

END ℄ RAMP ISLIP1 PT STA 114+29.62 =
STA 715+06.93, 15.00' RT ℄ RAMP D_DCP

END ℄ RAMP D_DCP STA 717+09.28 =
STA 7070+30.97, 36.00' LT ℄ CONST IWBCD2

0 10 50
Feet

RAMP D_DCP OUTSIDE EOT (4)

RAMP D_DCP INSIDE EOT (3)

℄ RAMP ISLIP1

℄ RAMP D_DCP

3,900' R

N 35° 14' 59" E

BEAUFORD

D_DCP 2

ISLIP1 2

IWBCD2 1

IWBCD2 2

C.G.

6' CHAIN LINK FENCE

PC

PRC

15,000' R

15,000' R

TEMP ATTENUATOR

IWBCD2 INSIDE EOT (1)

IWBCD2 OUTSIDE EOT (2)

℄ CONST IWBCD2

TEMPORARY CONC BARRIER WALL

NOT PART OF NEXT PROJECT

MILE POST 23.0

A

A

711 712 713 714 715 716 717

110 111 112 113 114

7064 7065 7066 7067 7068 7069 7070

15' 15' 15' 19' 24' 24'

℄ RAMP D_DCP ℄ CONST IWBCD2

15' 19' 24'
GORE

STA 712+78.25

STA 7065+99.84

3.00% 2.00% 2.00%

129.61 (1)
129.13 (2)
128.75 (3)
128.30 (4)

SECTION A-A

LEGEND
(1) = ELEVATION FOR IWBCD2 INSIDE EOT
(2) = ELEVATION FOR IWBCD2 OUTSIDE EOT
(3) = ELEVATION FOR RAMP D DCP INSIDE EOT
(4) = ELEVATION FOR RAMP D DCP OUTSIDE EOT

711+00	712+00	713+00	714+00	715+00	716+00	717+00
131	129.50 (1) 129.02 (2) 128.68 (3) 128.23 (4)	129.00 (1) 128.52 (2) 128.37 (3) 127.92 (4)	128.50 (1) 128.02 (2) 128.00 (3) 127.55 (4)	128.25 (1) 127.77 (3) 127.35 (4)	127.75 (1) 127.27 (3) 126.90 (4)	127.36 (1) 126.88 (3) 126.52 (4)
129	129.61 (1) 129.13 (2) 128.75 (3) 128.30 (4)					
127		129.25 (1) 128.77 (2) 128.54 (3) 128.09 (4)	128.75 (1) 128.27 (2) 128.20 (3) 127.75 (4)	128.41 (1) 127.93 (3) 127.48 (4)	128.00 (1) 127.52 (3) 127.14 (4)	127.50 (1) 127.02 (3) 126.66 (4)
125						

EXISTING GROUND AT ℄ RAMP D_DCP

SCALE:
1" = 50' HORIZ
1" = 2' VERT

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

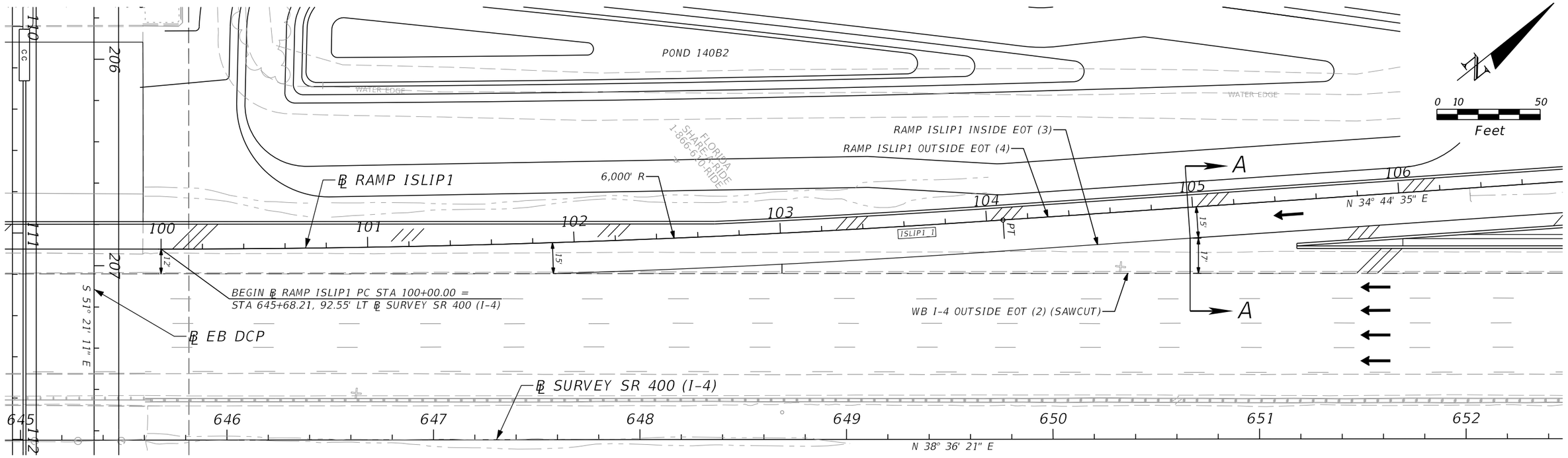
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP TERMINAL DETAIL IWBCD2 & RAMP D DCP

SHEET NO. 156

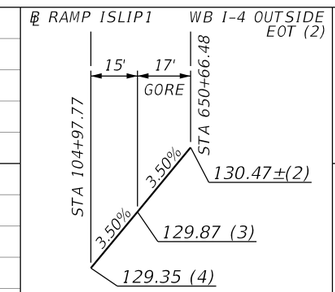


LEGEND

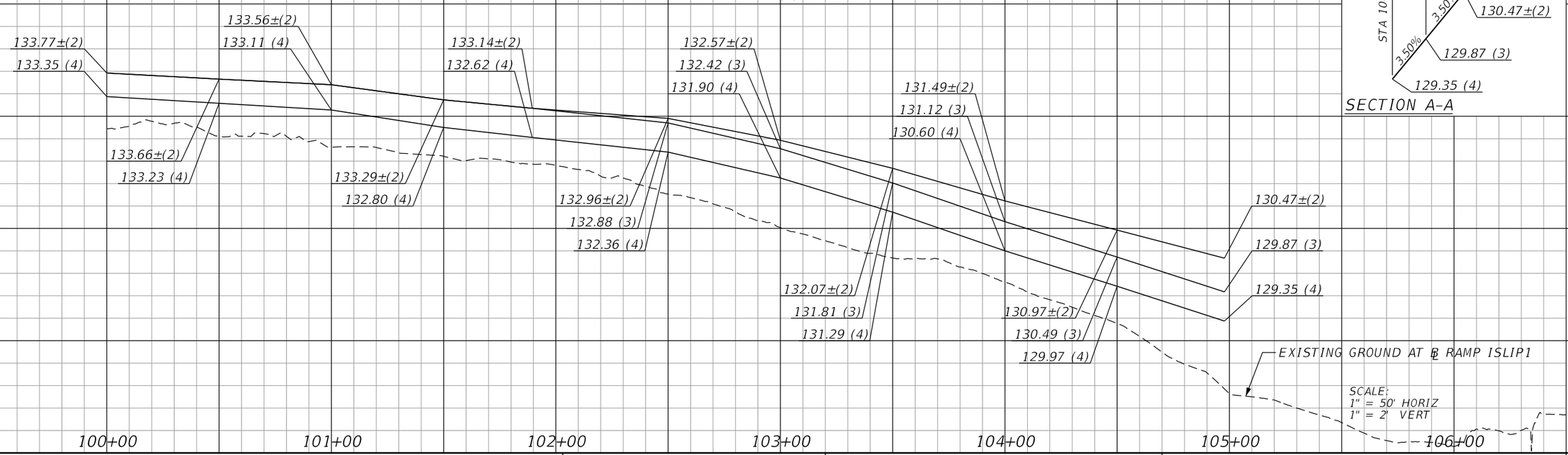
(2) = ELEVATION FOR WB I-4 OUTSIDE EOT

(3) = ELEVATION FOR RAMP ISLIP1 INSIDE EOT

(4) = ELEVATION FOR RAMP ISLIP1 OUTSIDE EOT



SECTION A-A



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

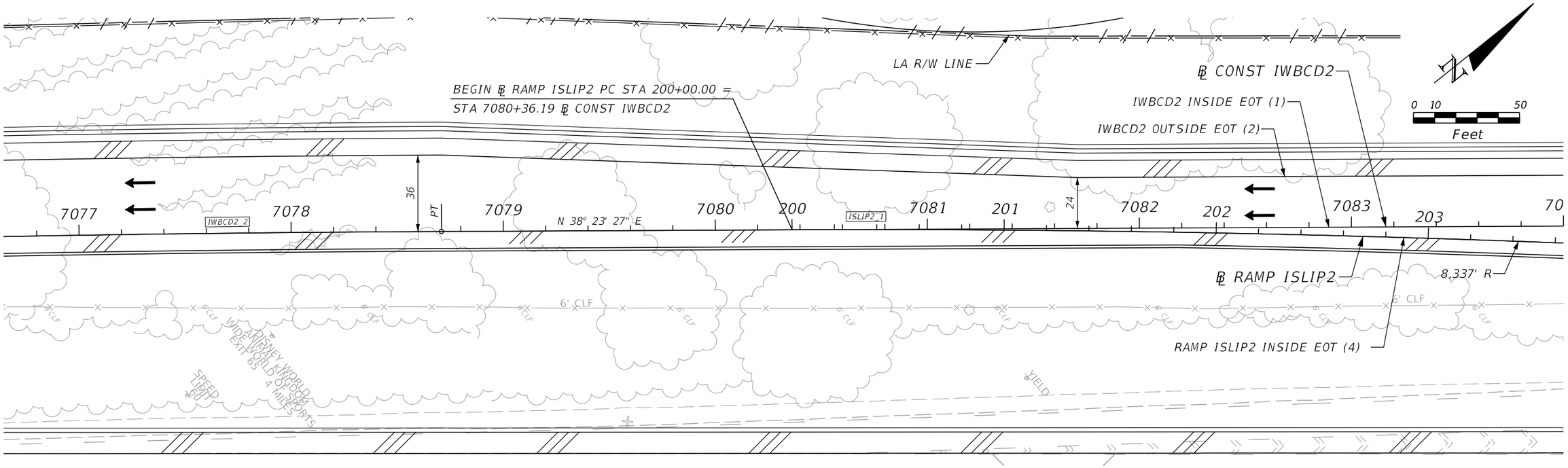
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

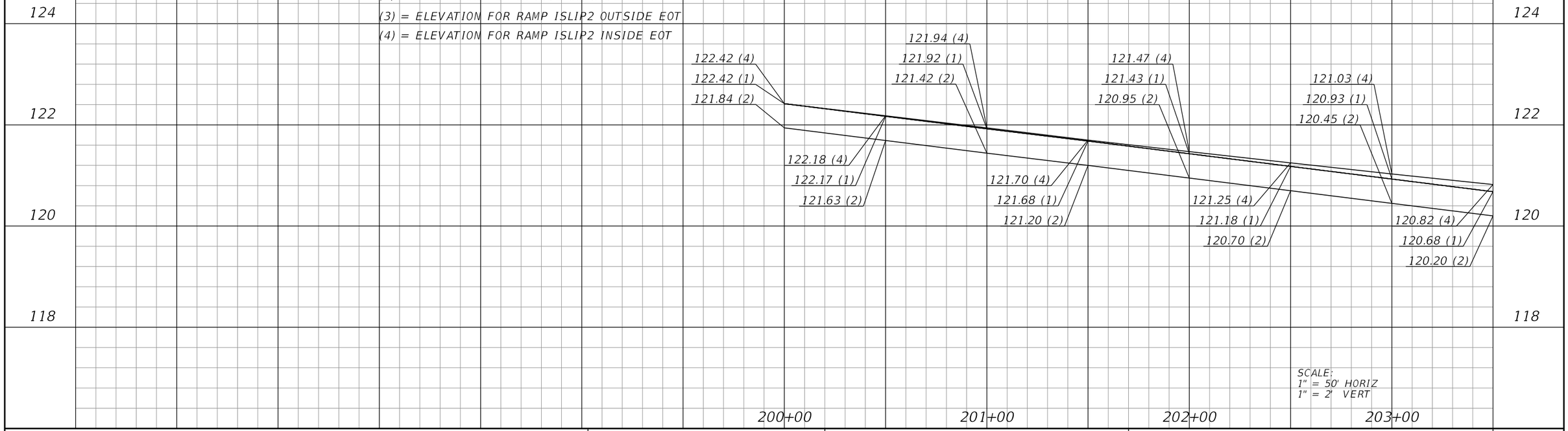
RAMP TERMINAL DETAIL
WB I-4 & RAMP ISLIP1

SHEET NO. 157

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:10:23 AM c:\pwworking\aecom_na\rmartini\d0164870\INTDRD07_ISLIP1.DGN





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

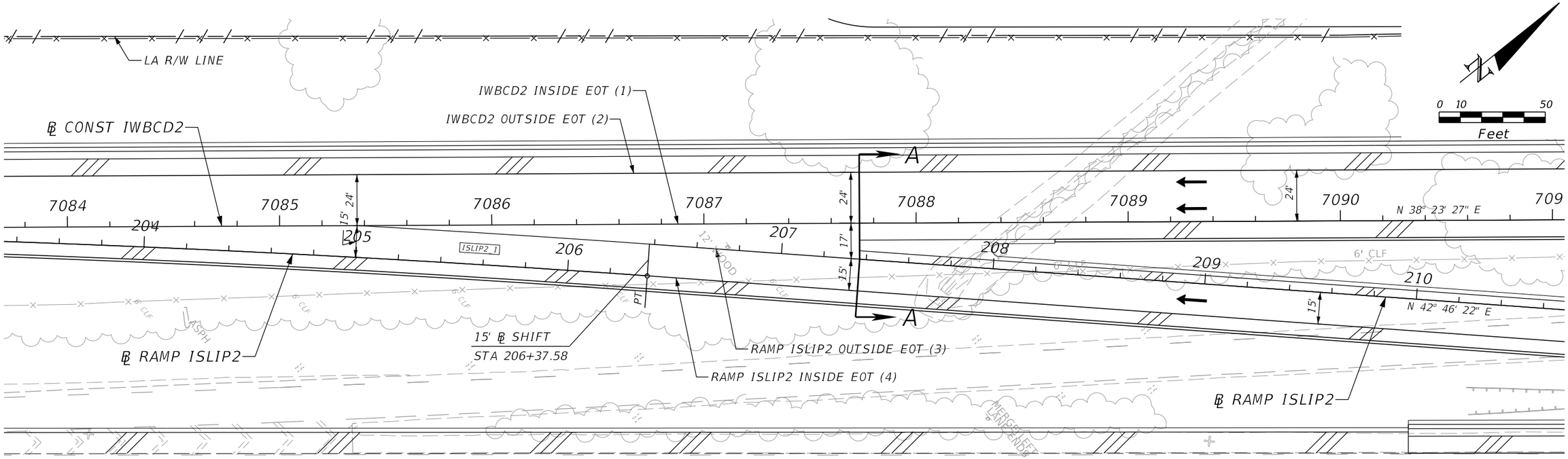
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP TERMINAL DETAIL IWBCD2 & RAMP ISLIP2 (1)

SHEET NO. 158

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:10:27 AM c:\pwworking\aecom_na\rmartini\d0164870\INTDRD08_ISLIP2_01.DGN



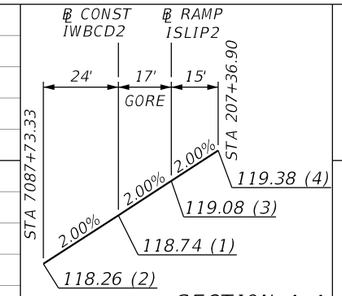
LEGEND

(1) = ELEVATION FOR IWBCD2 INSIDE EOT

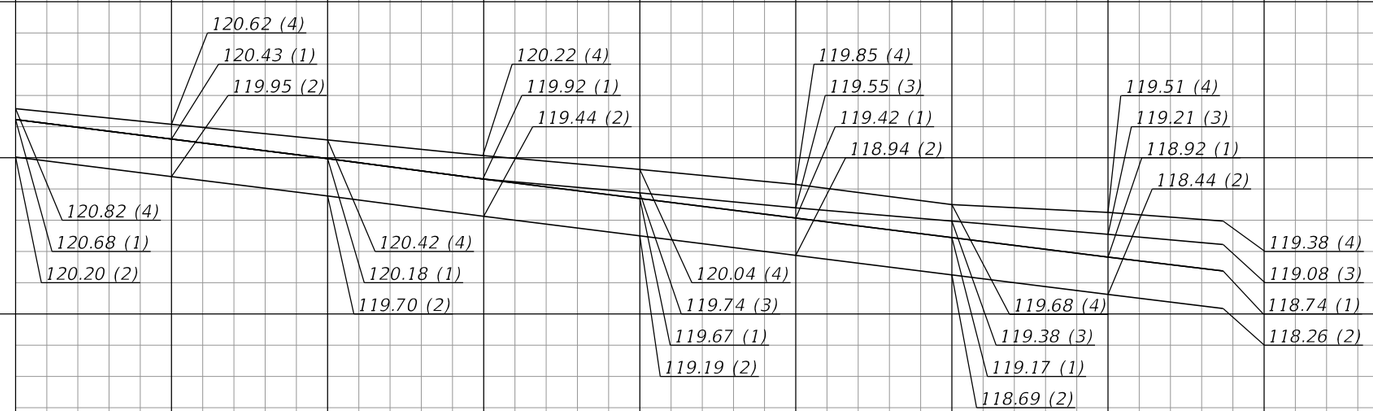
(2) = ELEVATION FOR IWBCD2 OUTSIDE EOT

(3) = ELEVATION FOR RAMP ISLIP2 OUTSIDE EOT

(4) = ELEVATION FOR RAMP ISLIP2 INSIDE EOT



SECTION A-A



124 122 120 118

204+00 205+00 206+00 207+00 208+00 209+00 210+00

SCALE:
1" = 50' HORIZ
1" = 2' VERT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

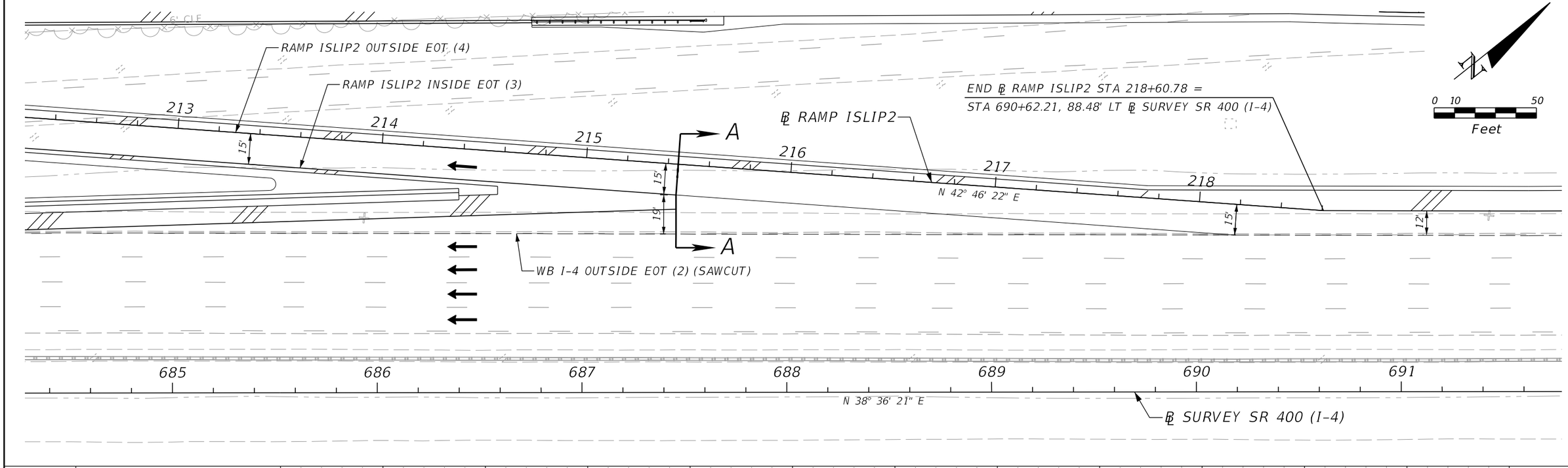
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

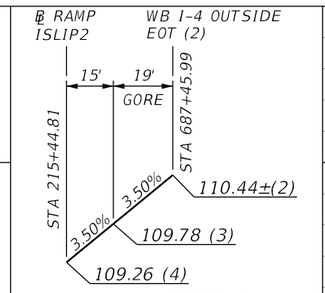
RAMP TERMINAL DETAIL IWBCD2 & RAMP ISLIP2 (2)

SHEET NO. 159

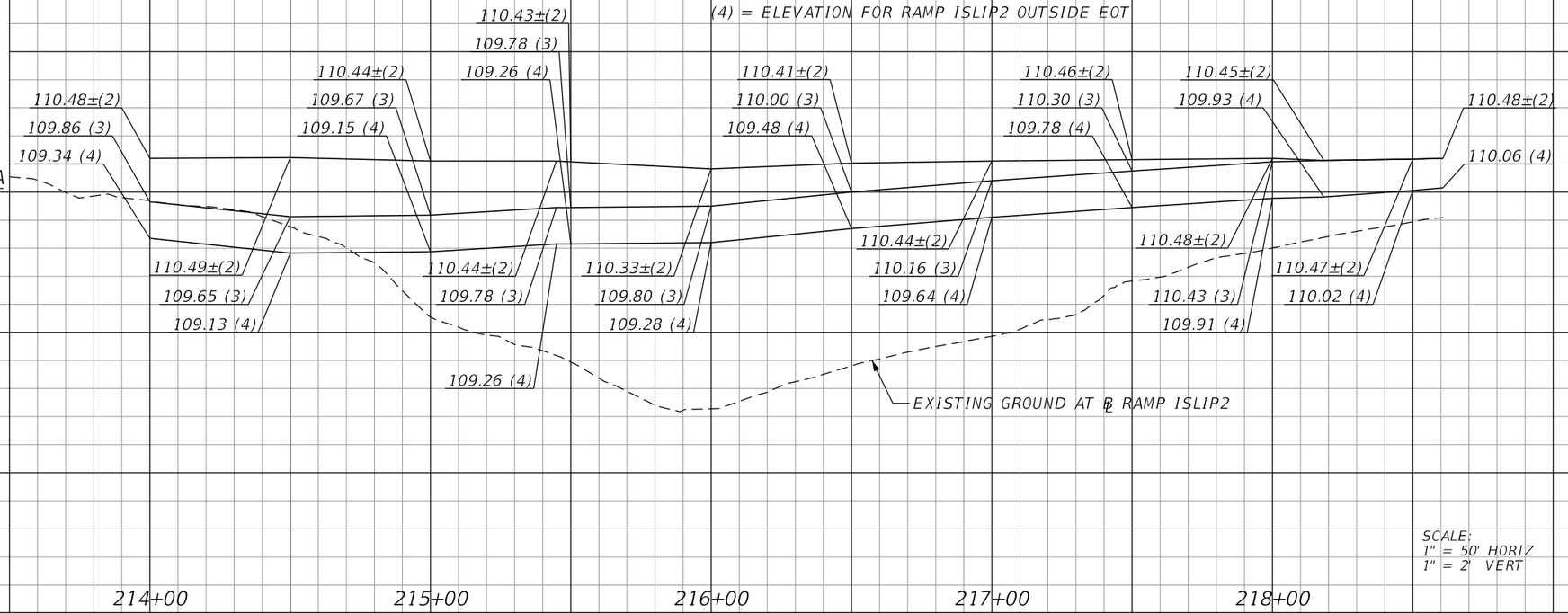
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:10:31 AM c:\pwworking\aecom_na\rmartini\d0164870\INTDRD09_ISLIP2_02.DGN





SECTION A-A



LEGEND

(2) = ELEVATION FOR WB I-4 OUTSIDE EOT

(3) = ELEVATION FOR RAMP ISLIP2 INSIDE EOT

(4) = ELEVATION FOR RAMP ISLIP2 OUTSIDE EOT

112 110 108 106

213+00 214+00 215+00 216+00 217+00 218+00

SCALE:
1" = 50' HORIZ
1" = 2' VERT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

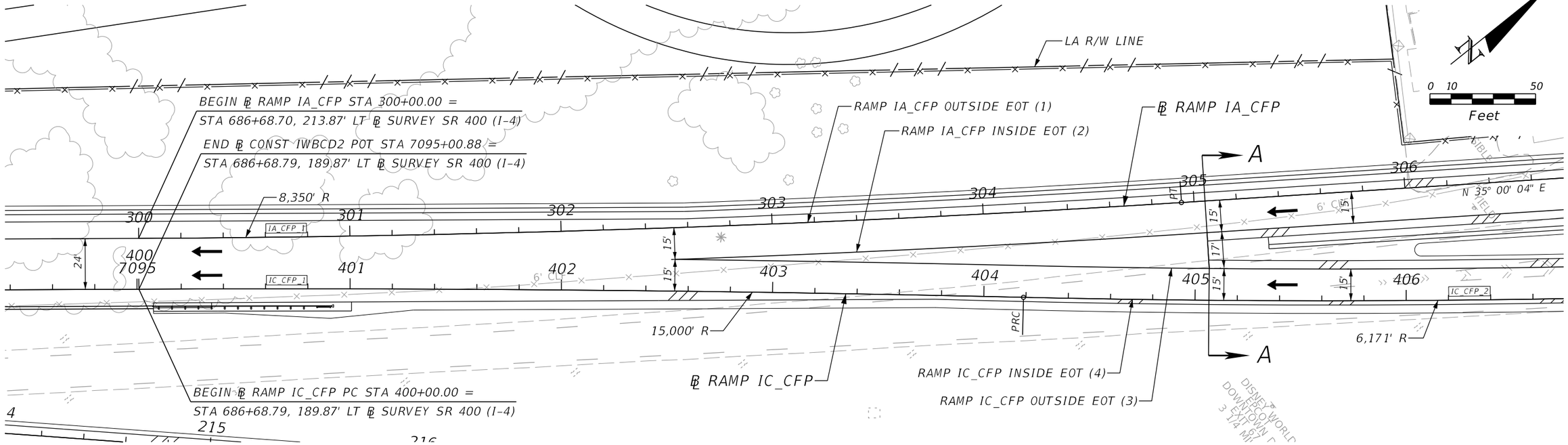
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP TERMINAL DETAIL
WB I-4 & RAMP ISLIP2

SHEET NO. 160

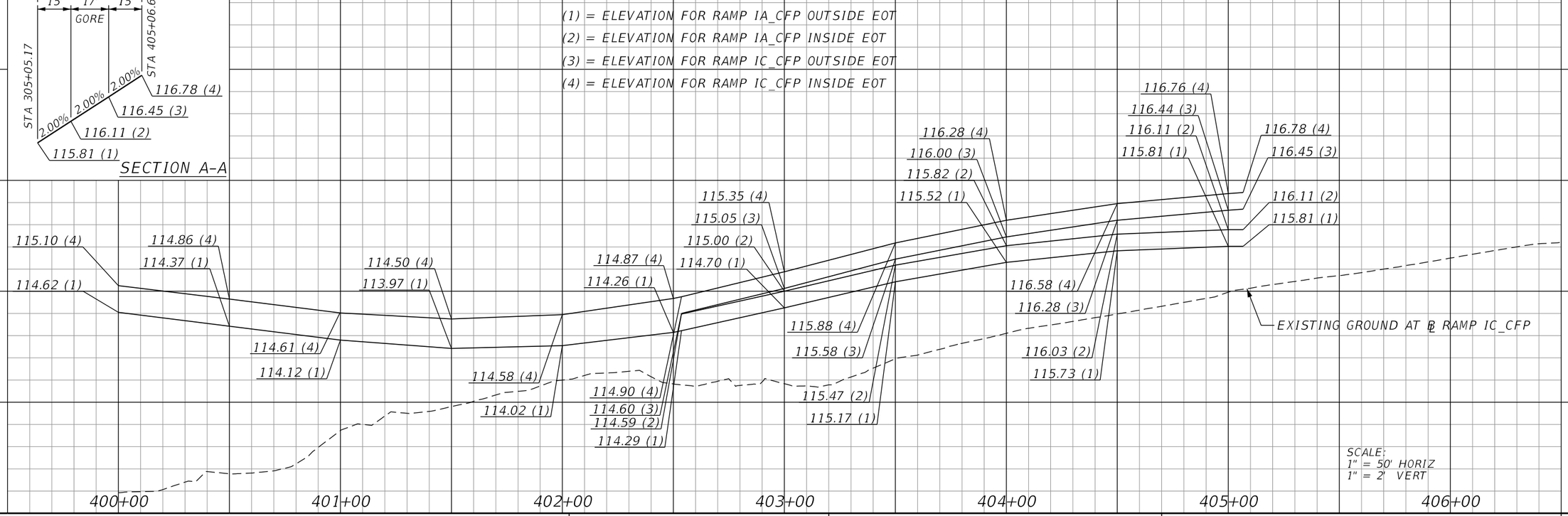
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:10:34 AM c:\pwworking\aecom_na\rmartini\d0164870\INTDRD10_ISLIP2_03.DGN



LEGEND

(1) = ELEVATION FOR RAMP IA_CFP OUTSIDE EOT
(2) = ELEVATION FOR RAMP IA_CFP INSIDE EOT
(3) = ELEVATION FOR RAMP IC_CFP OUTSIDE EOT
(4) = ELEVATION FOR RAMP IC_CFP INSIDE EOT



SCALE:
1" = 50' HORIZ
1" = 2' VERT

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

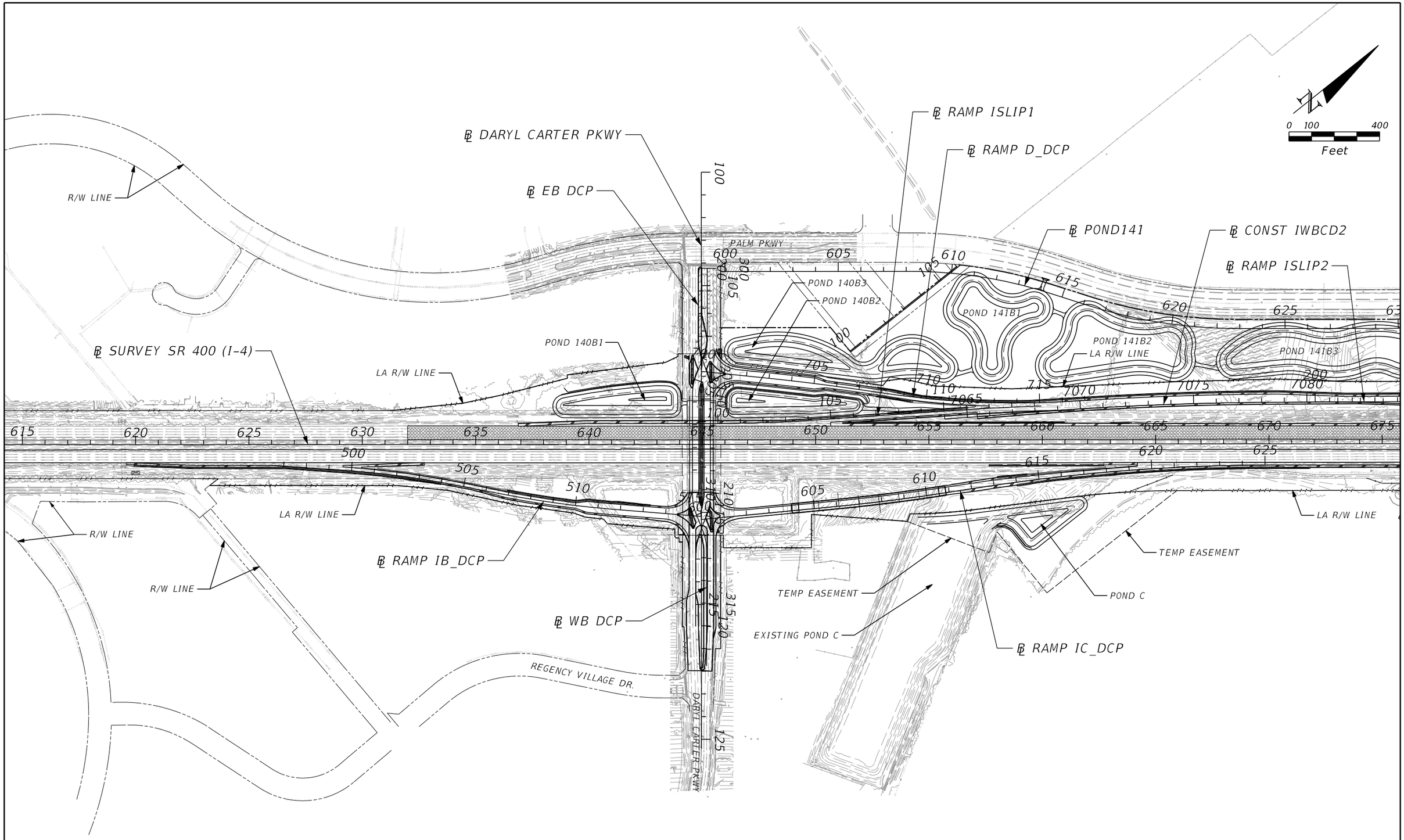
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP TERMINAL DETAIL
RAMP IA CFP & RAMP IC CFP

SHEET NO. 161



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

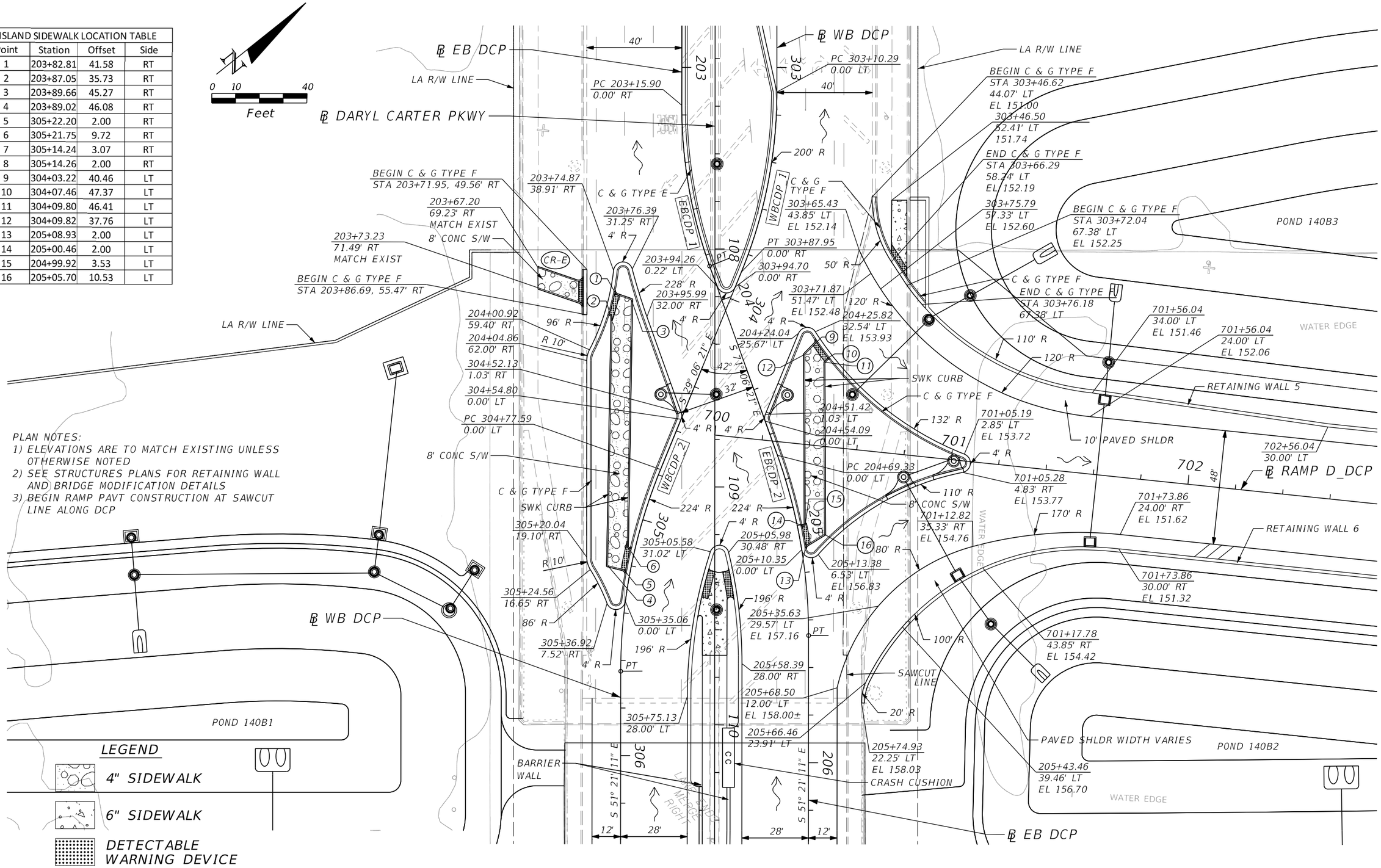
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

INTERCHANGE LAYOUT (1)

SHEET NO. 162

robert.martini 8/22/2019 11:10:43 AM c:\pwworking\aecom_na\rmartini\d0164870\INTDRD01.DGN

ISLAND SIDEWALK LOCATION TABLE			
Point	Station	Offset	Side
1	203+82.81	41.58	RT
2	203+87.05	35.73	RT
3	203+89.66	45.27	RT
4	203+89.02	46.08	RT
5	305+22.20	2.00	RT
6	305+21.75	9.72	RT
7	305+14.24	3.07	RT
8	305+14.26	2.00	RT
9	304+03.22	40.46	LT
10	304+07.46	47.37	LT
11	304+09.80	46.41	LT
12	304+09.82	37.76	LT
13	205+08.93	2.00	LT
14	205+00.46	2.00	LT
15	204+99.92	3.53	LT
16	205+05.70	10.53	LT



PLAN NOTES:
1) ELEVATIONS ARE TO MATCH EXISTING UNLESS OTHERWISE NOTED
2) SEE STRUCTURES PLANS FOR RETAINING WALL AND BRIDGE MODIFICATION DETAILS
3) BEGIN RAMP PAVT CONSTRUCTION AT SAWCUT LINE ALONG DCP

LEGEND
4" SIDEWALK
6" SIDEWALK
DETECTABLE WARNING DEVICE

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

INTERSECTION LAYOUT
RAMP D DCP & DCP

SHEET NO. 163

PLAN NOTES:
1) ELEVATIONS ARE TO MATCH EXISTING UNLESS OTHERWISE NOTED
2) SEE STRUCTURES PLANS FOR RETAINING WALL AND BRIDGE MODIFICATION DETAILS
3) BEGIN AND END RAMP PAVEMENT CONSTRUCTION AT SAWCUT LINE ALONG DCP

ISLAND SIDEWALK LOCATION TABLE			
Point	Station	Offset	Side
1	310+66.04	15.26	RT
2	310+74.08	15.45	RT
3	310+74.36	16.31	RT
4	310+69.00	23.72	RT
5	211+69.51	39.67	RT
6	211+64.79	46.17	RT
7	211+64.00	45.69	RT
8	211+64.11	36.42	RT
9	210+68.79	2.00	LT
10	210+79.52	17.89	LT
11	210+84.48	11.36	LT
12	210+78.51	2.00	LT
13	311+87.82	42.24	LT
14	311+83.23	34.72	LT
15	311+80.63	44.18	LT
16	311+81.45	45.27	LT

LEGEND
4" SIDEWALK
6" SIDEWALK
DETECTABLE WARNING DEVICE

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

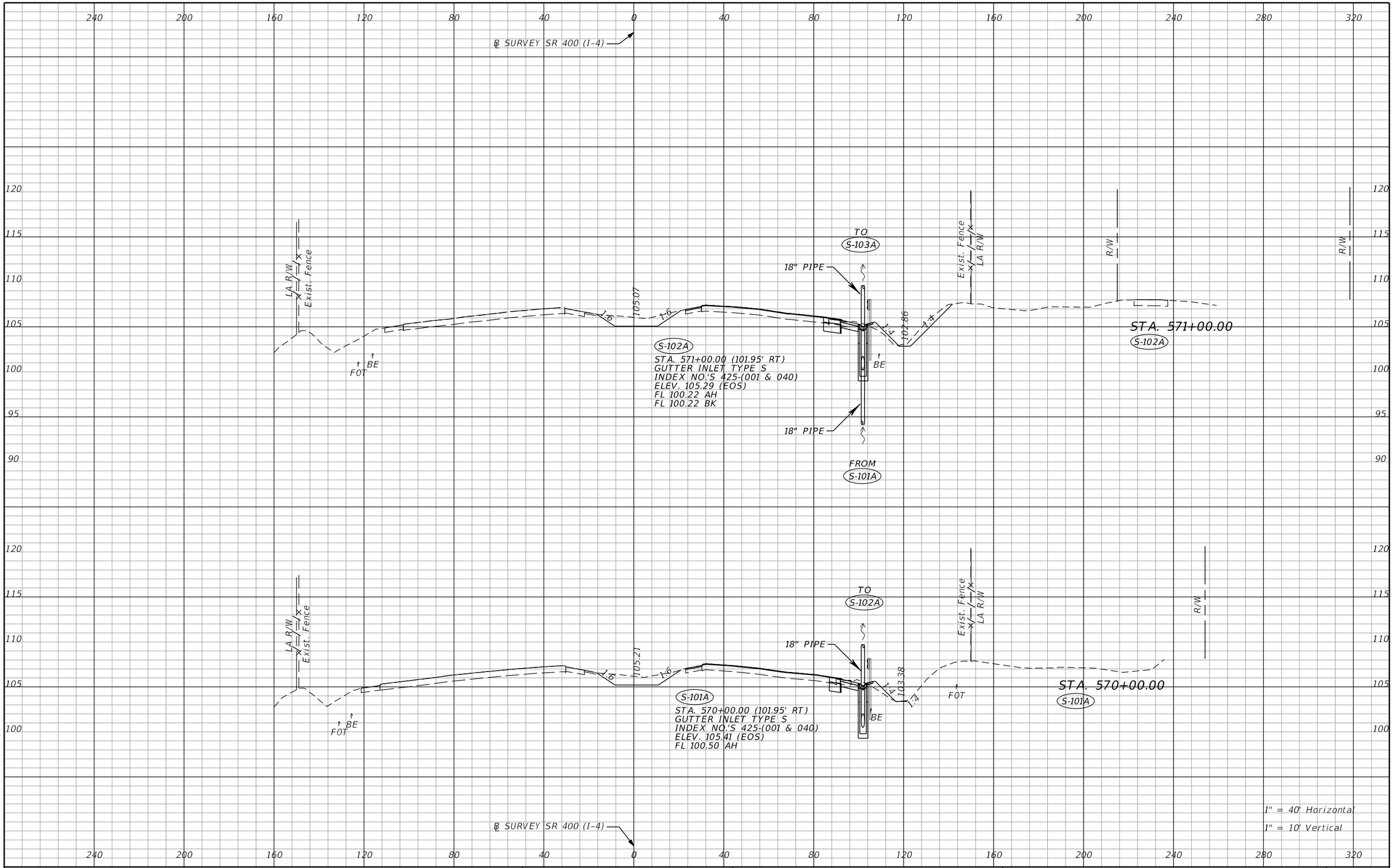
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

INTERSECTION LAYOUT
RAMPS IB_DCP/IC_DCP & DCP

SHEET NO. 164



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

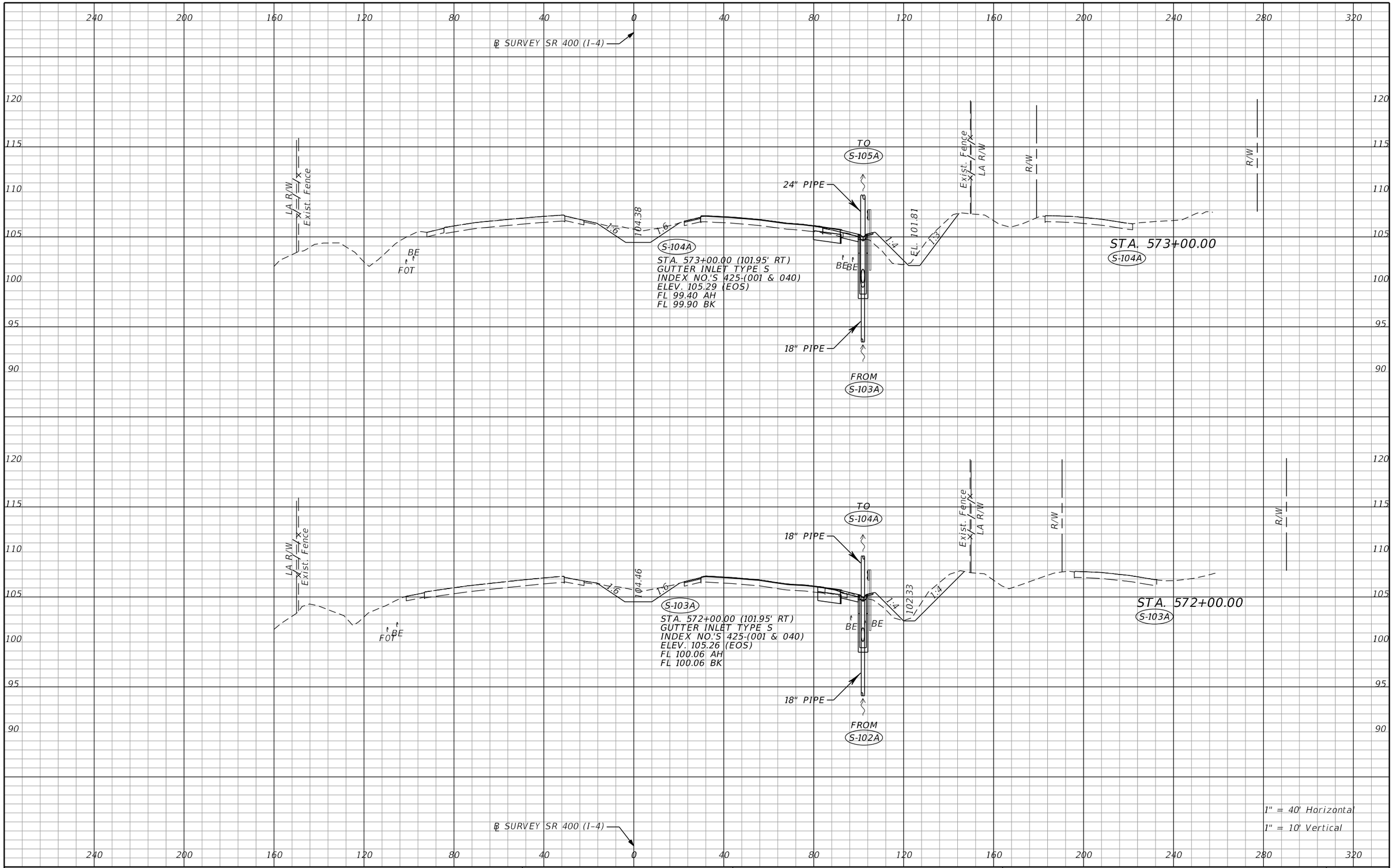
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 165

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:11:19 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

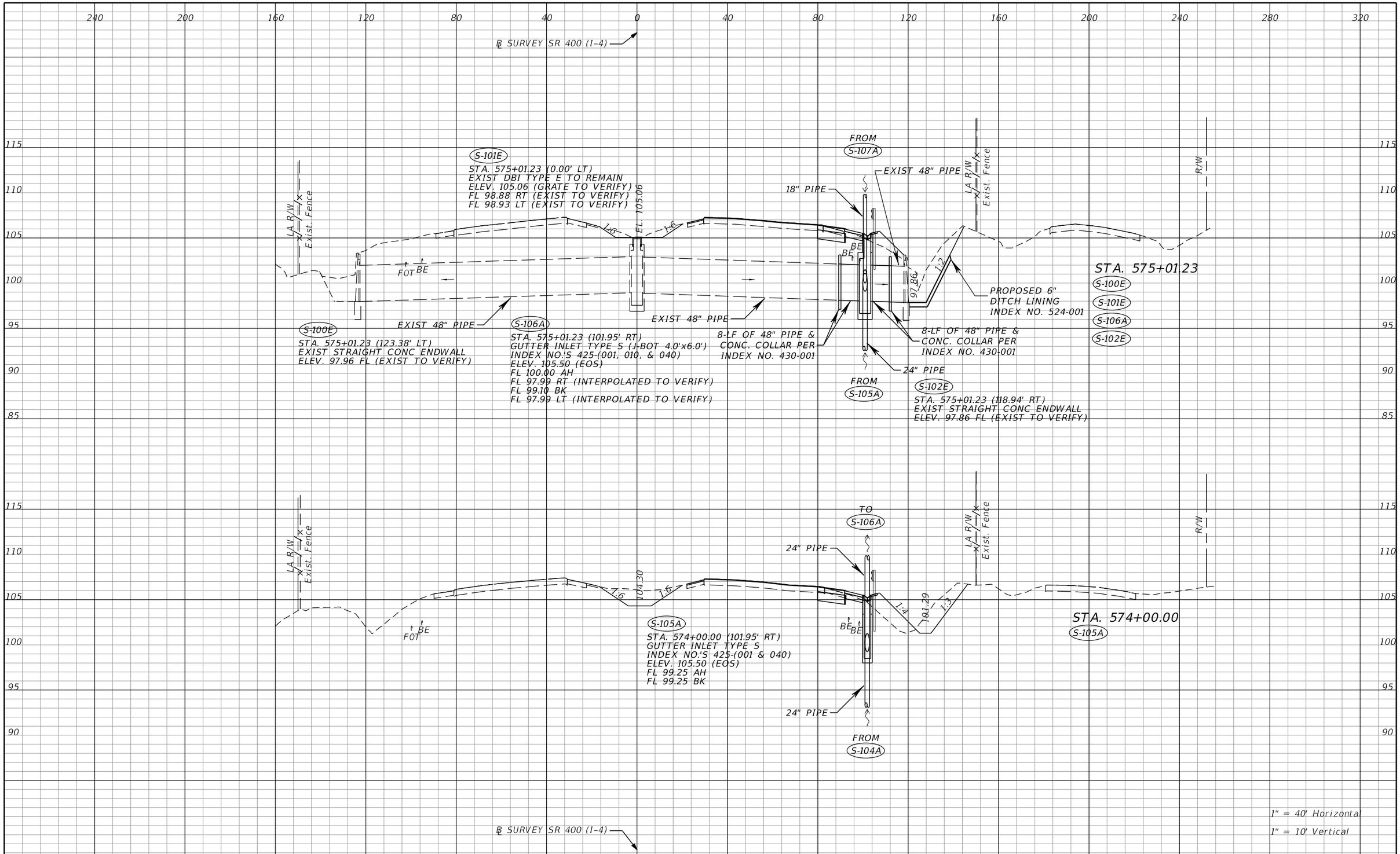
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 166

robert.martini 8/22/2019 11:11:19 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

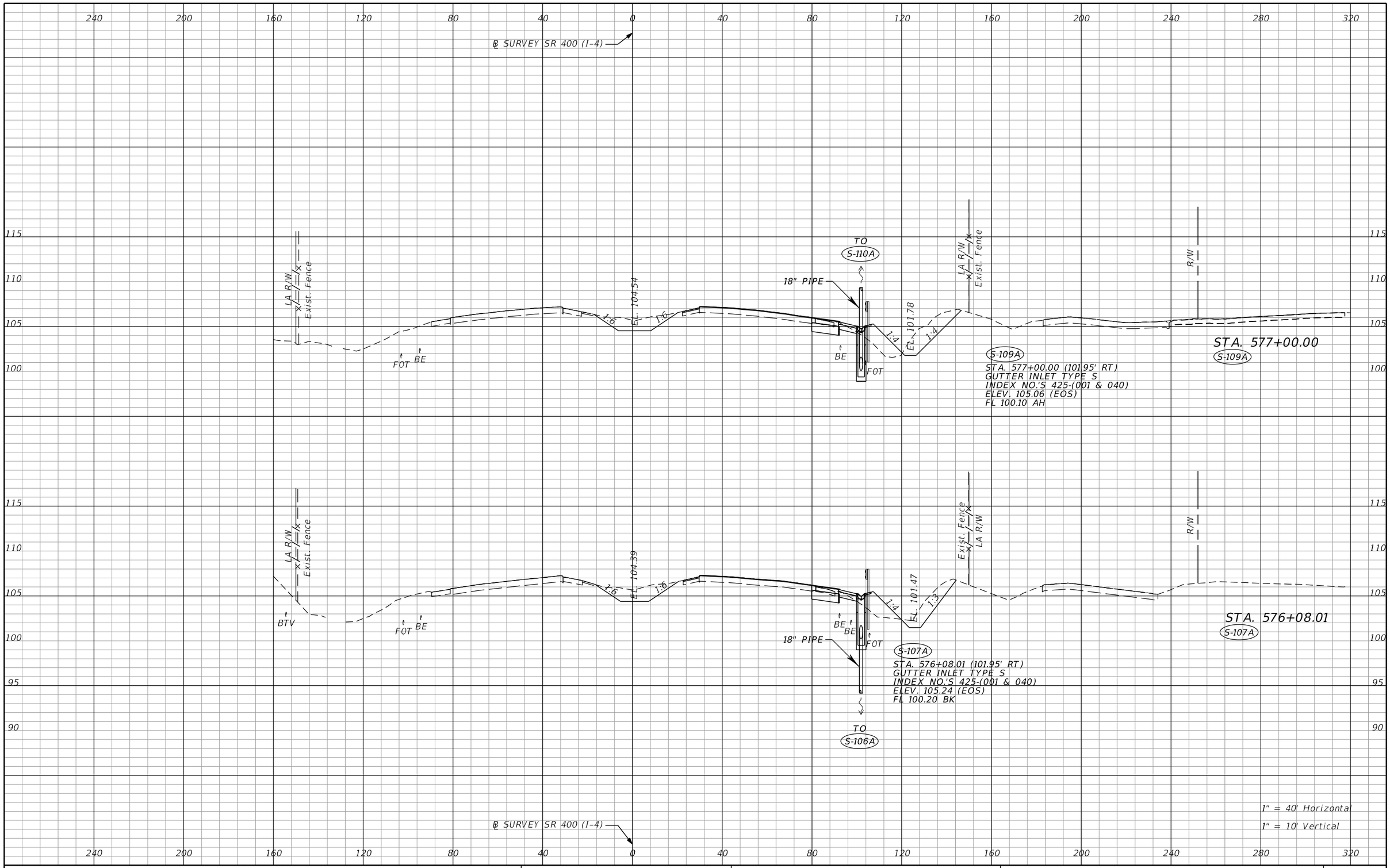
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 167

robert.martini 8/22/2019 11:11:21 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

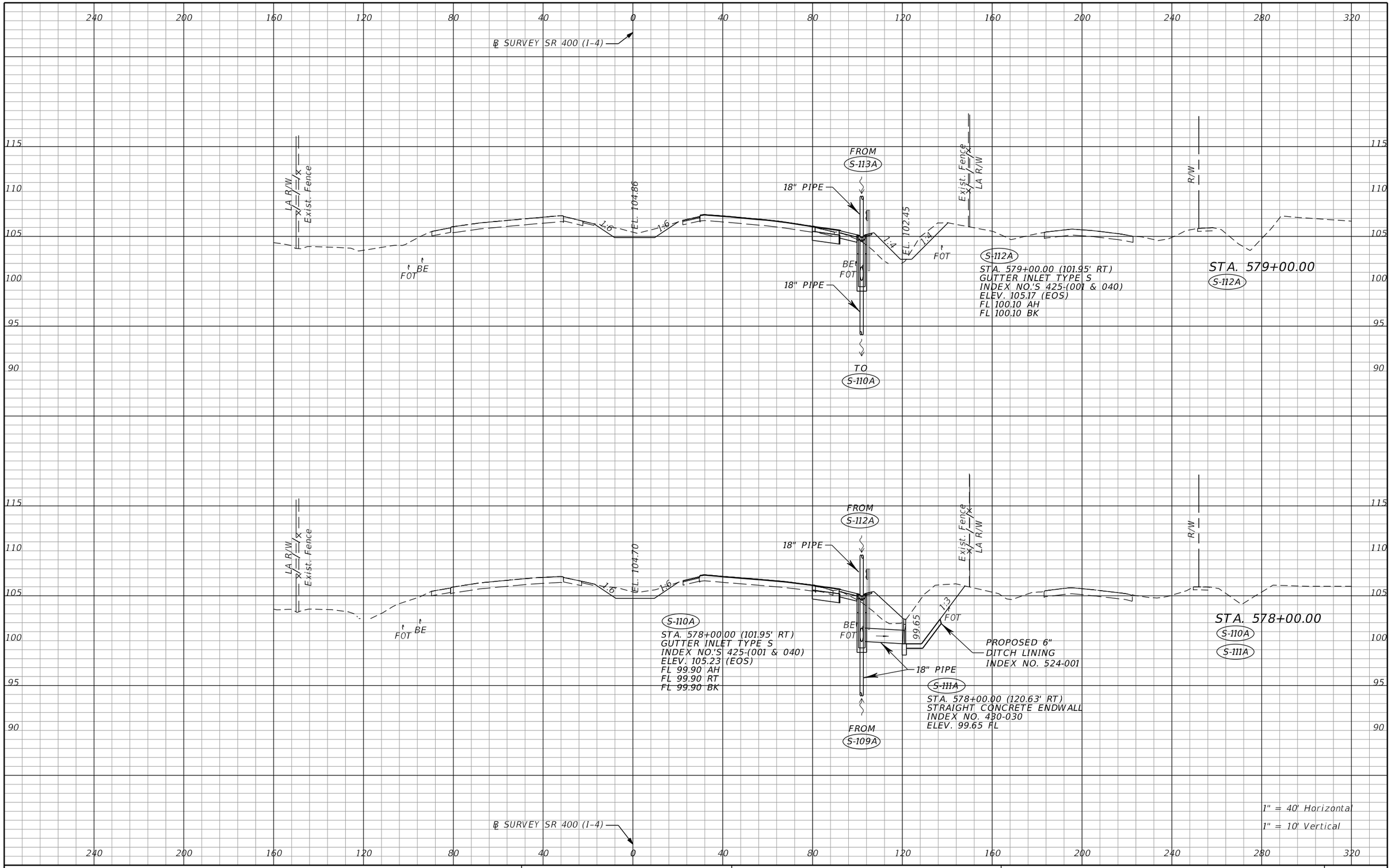
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 168

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:11:26 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

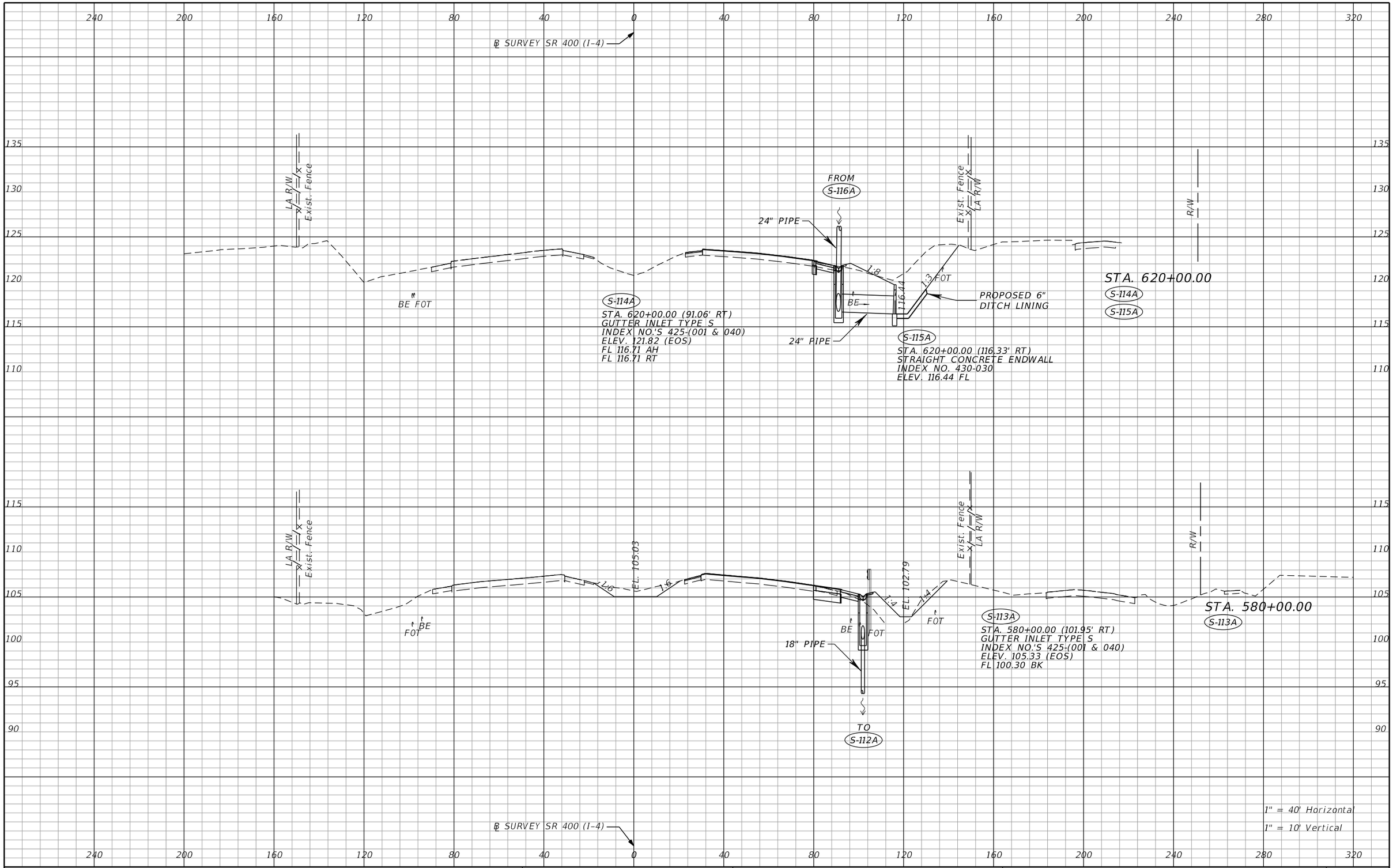
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 169

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:11:32 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

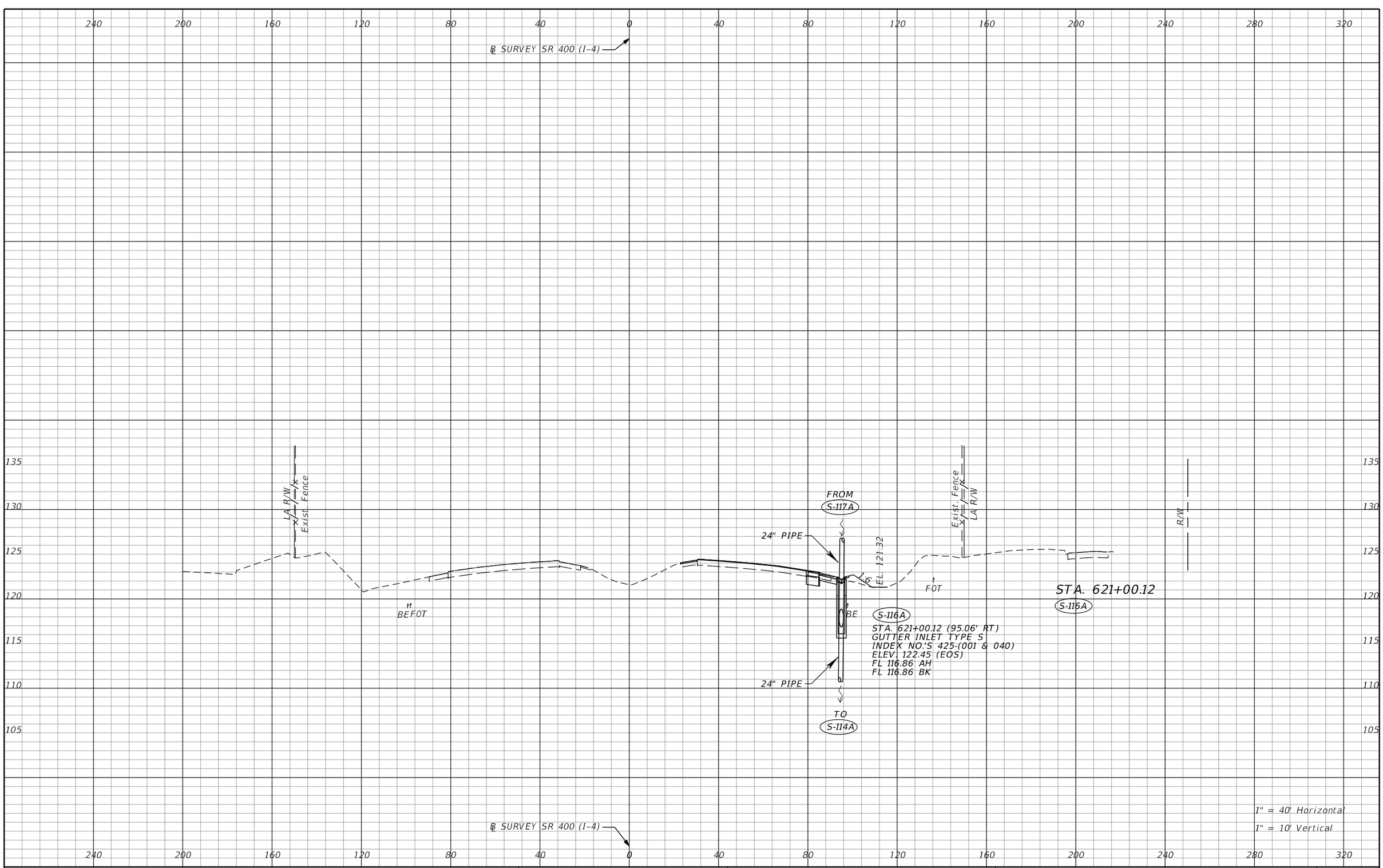
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 170

robert.martini 8/22/2019 11:11:38 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

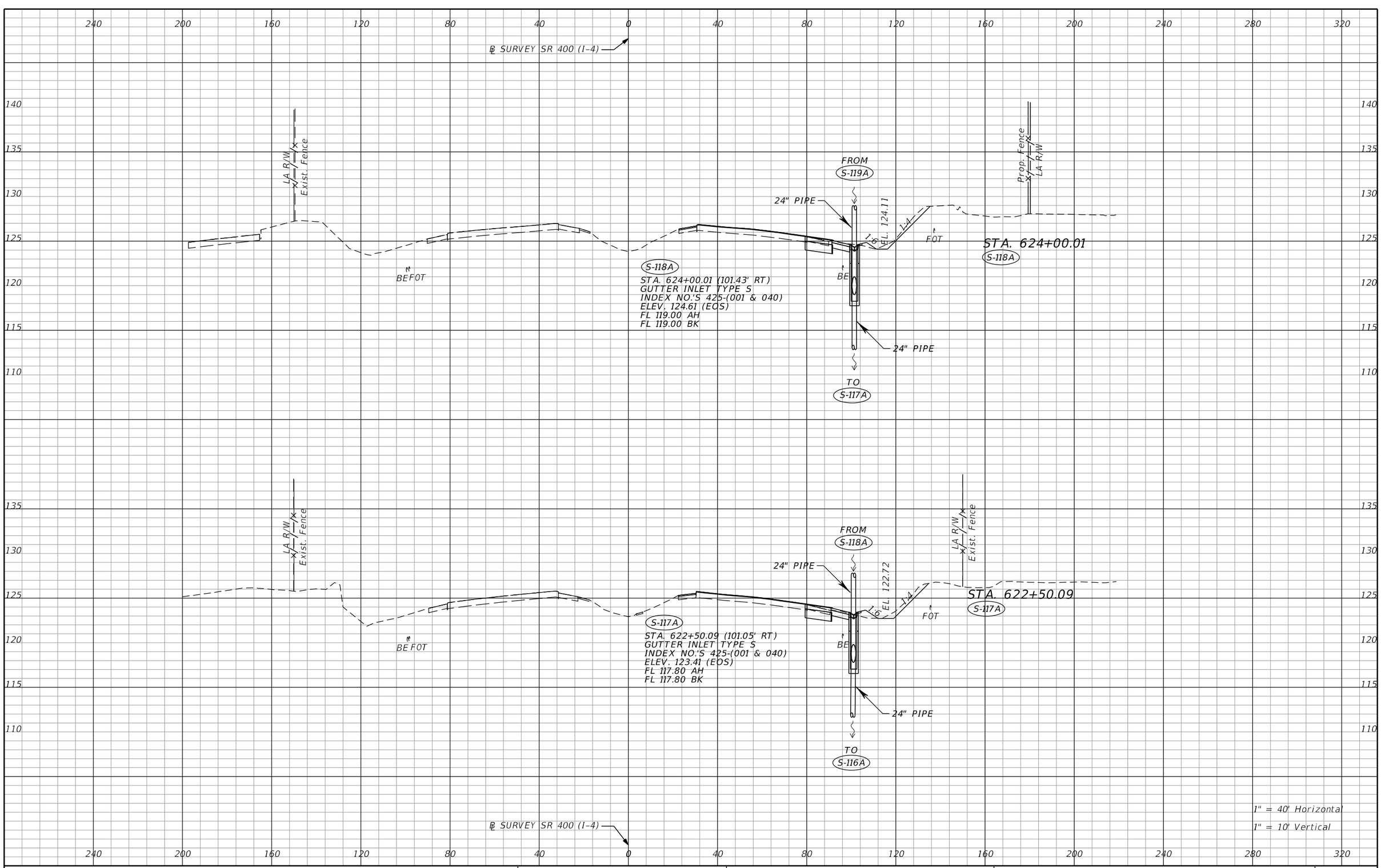
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 171

robert.martini 8/22/2019 11:11:44 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 172

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:11:50 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

240 200 160 120 80 40 0 40 80 120 160 200 240 280 320

℄ SURVEY SR 400 (I-4)

140 135 130 125 120 115 110

LA R/W
Exist. Fence

FOTBE

S-119A
STA. 625+50.00 (101.43' RT)
GUTTER INLET TYPE S
INDEX NO.'S 425-(001 & 040)
ELEV. 125.79 (EOS)
FL 120.00 AH
FL 120.00 BK

FROM
S-120A

24" PIPE

EL. 125.39

1:4

BE

FOT

Prop. Fence
LA R/W

STA. 625+50.00
S-119A

24" PIPE

TO
S-118A

1" = 40' Horizontal
1" = 10' Vertical

℄ SURVEY SR 400 (I-4)

240 200 160 120 80 40 0 40 80 120 160 200 240 280 320

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

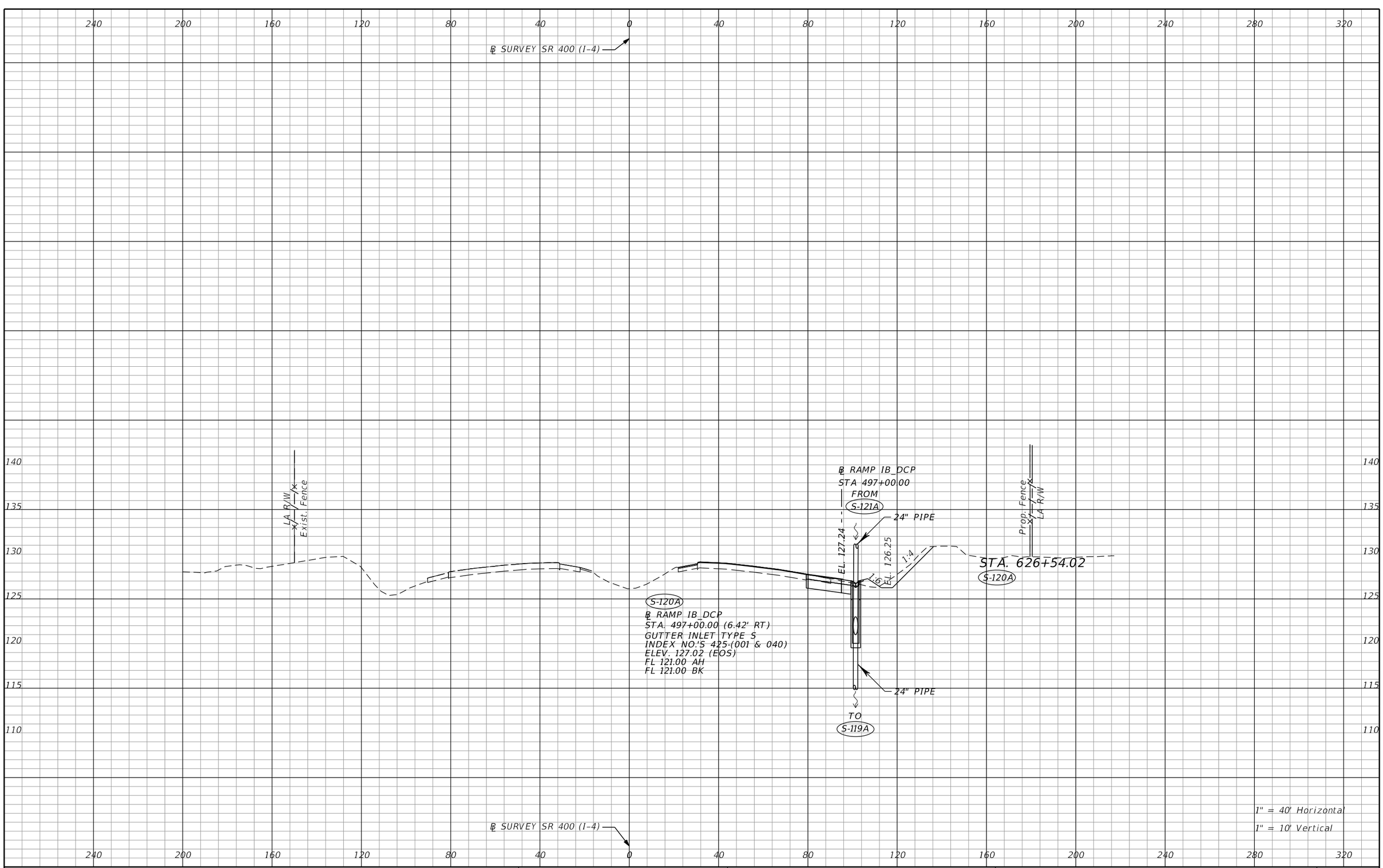
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 173

robert.martini 8/22/2019 11:11:56 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

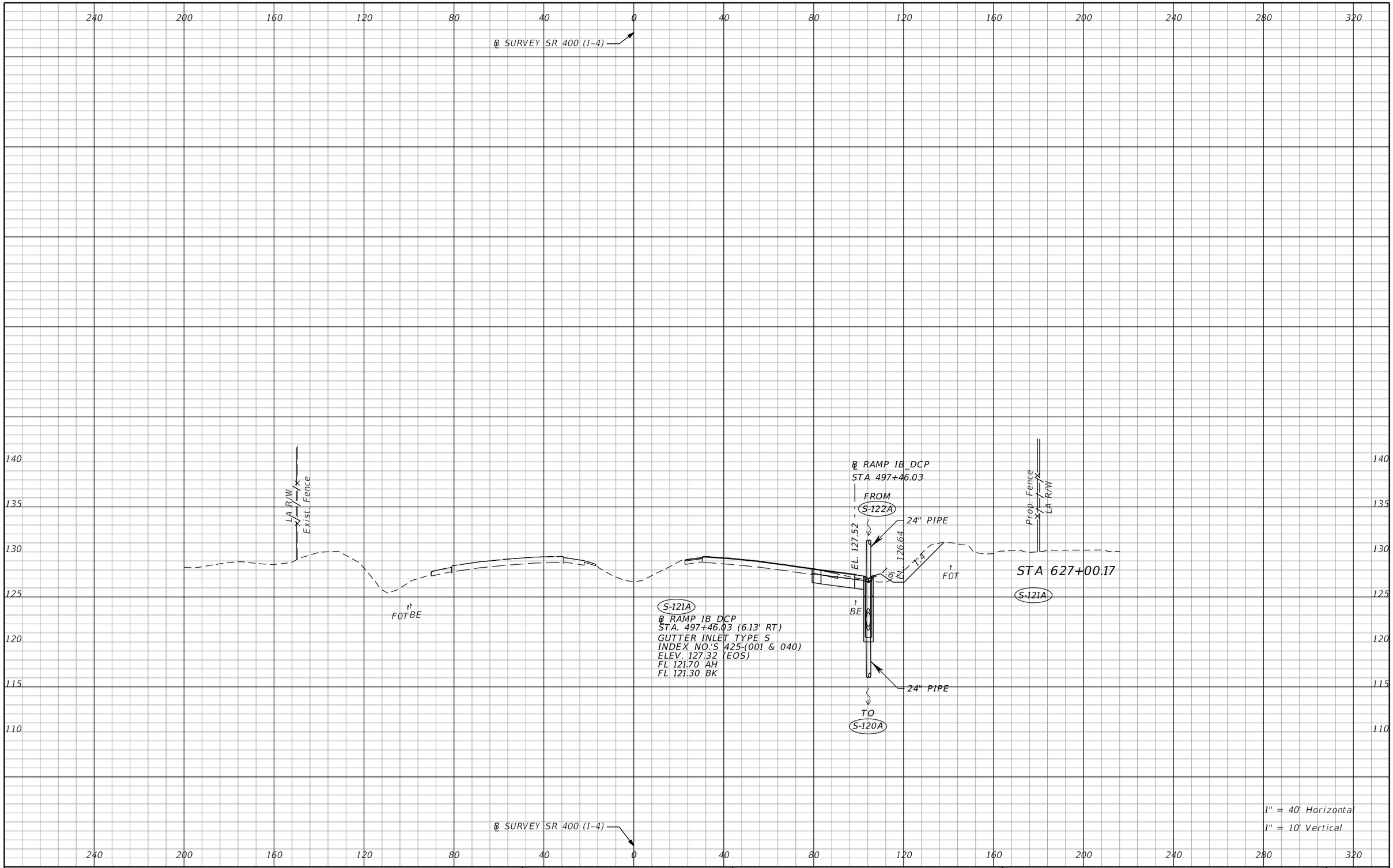
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 174

robert.martini 8/22/2019 11:12:03 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

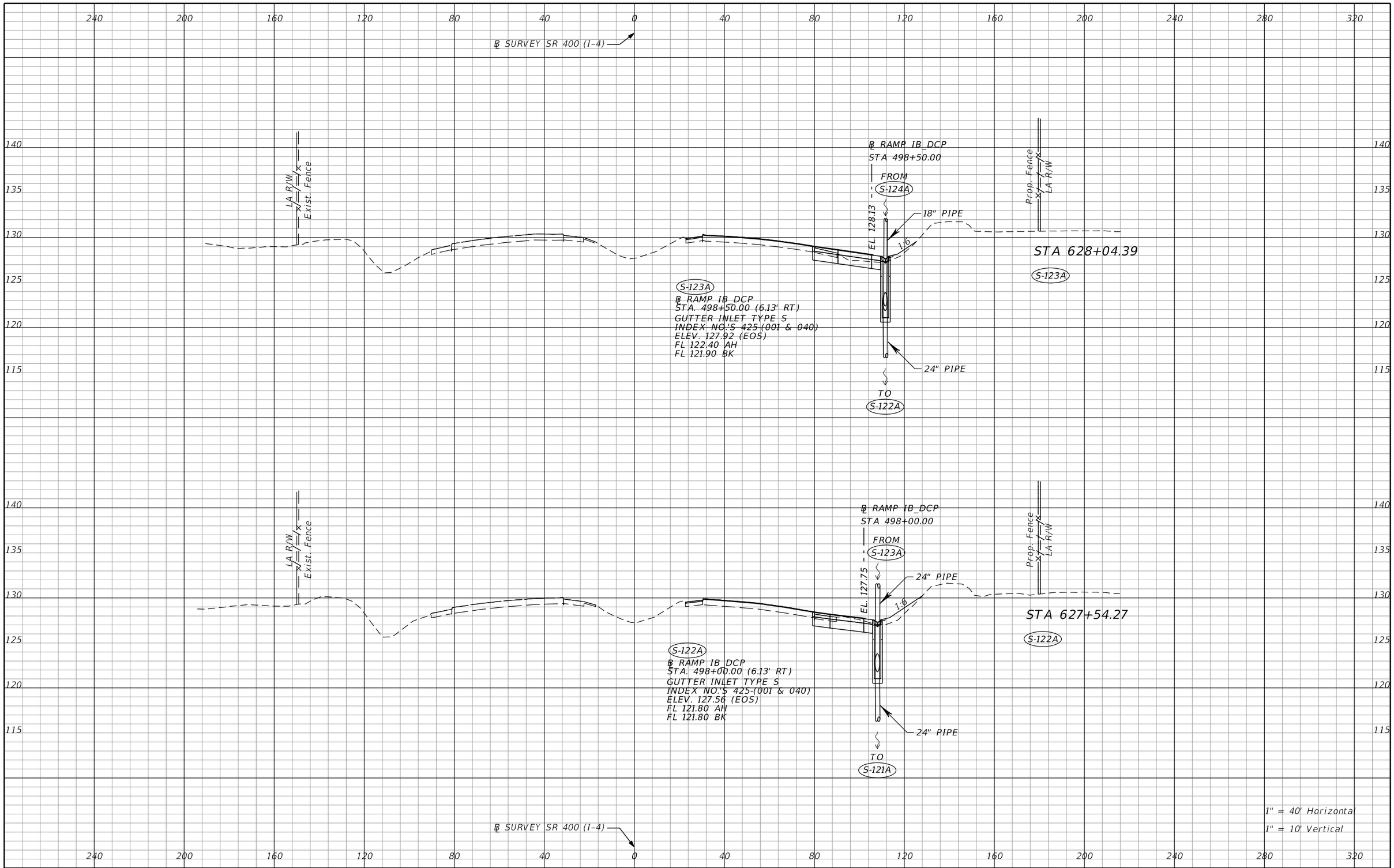
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 175

robert.martini 8/22/2019 11:12:08 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

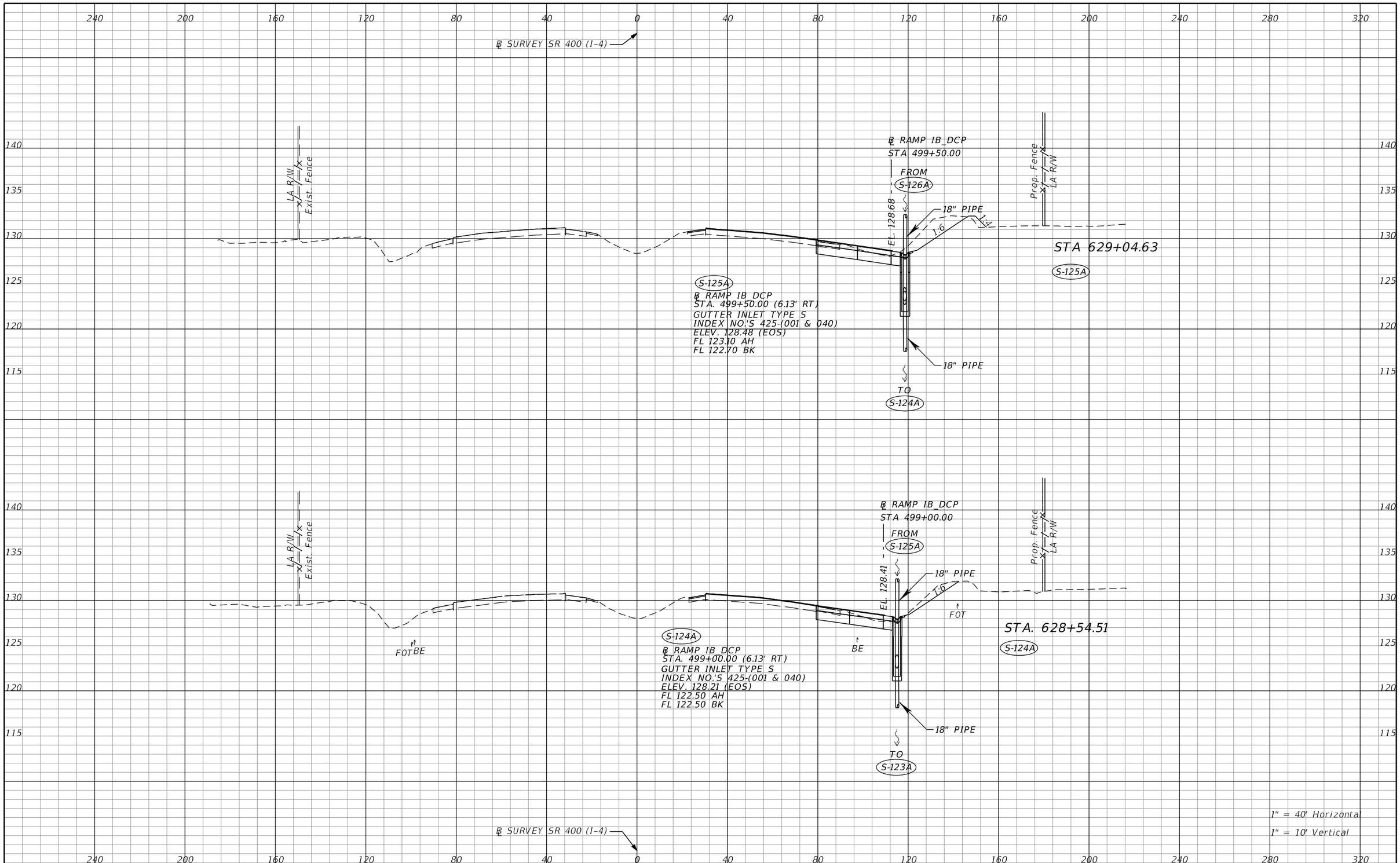
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 176

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:12:14 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

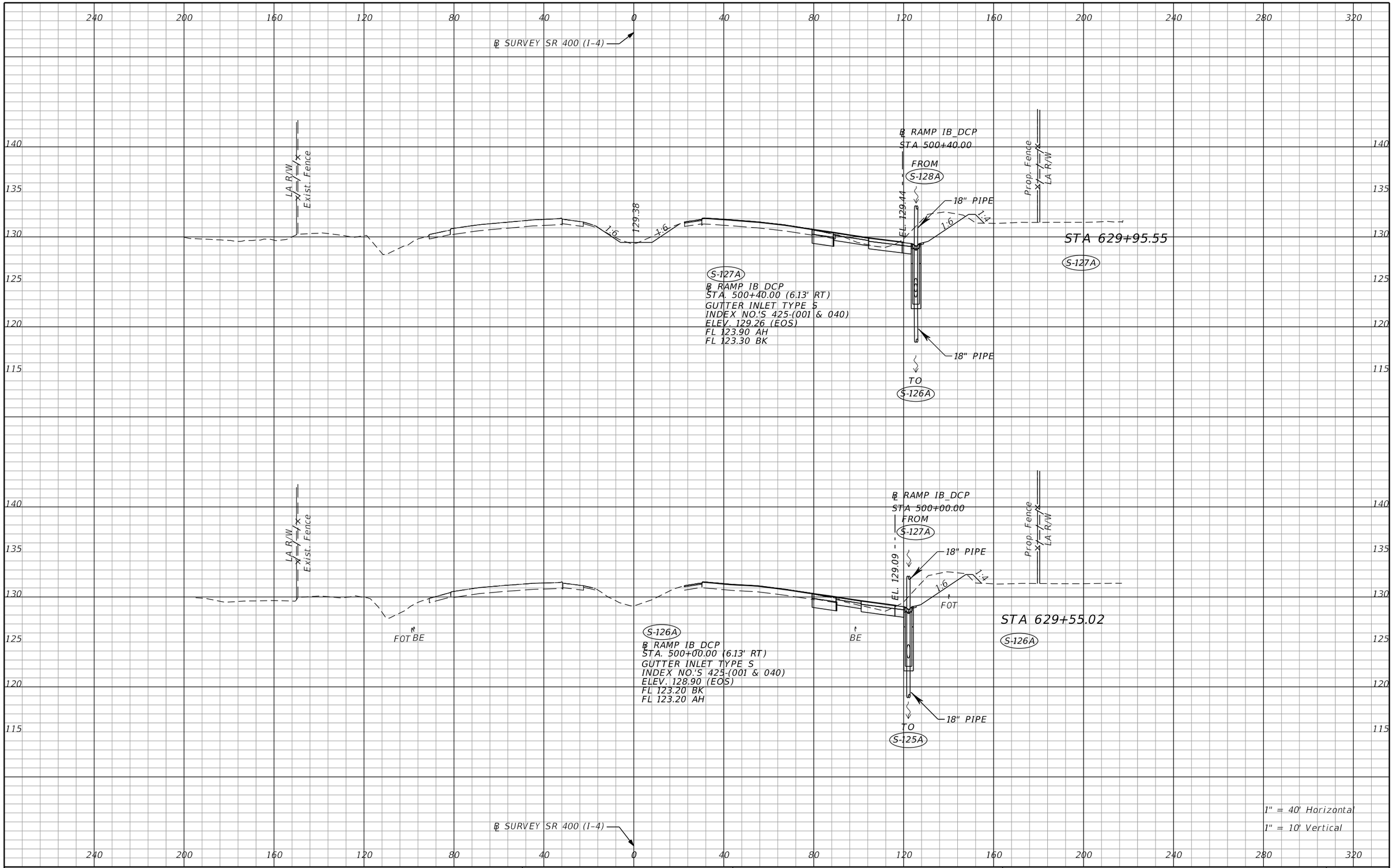
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 177

robert.martini 8/22/2019 11:12:20 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

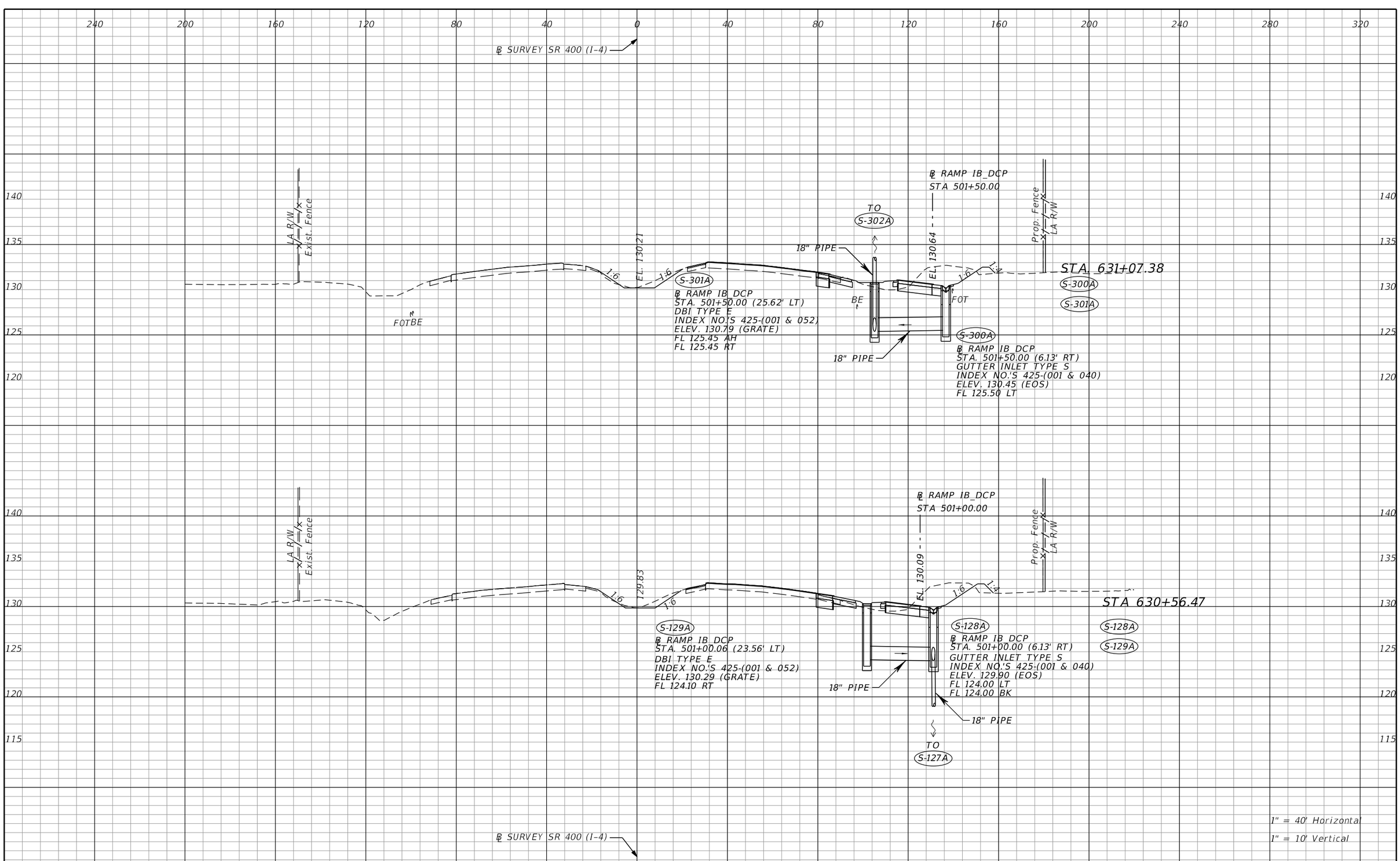
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 178

robert.martini 8/22/2019 11:12:26 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

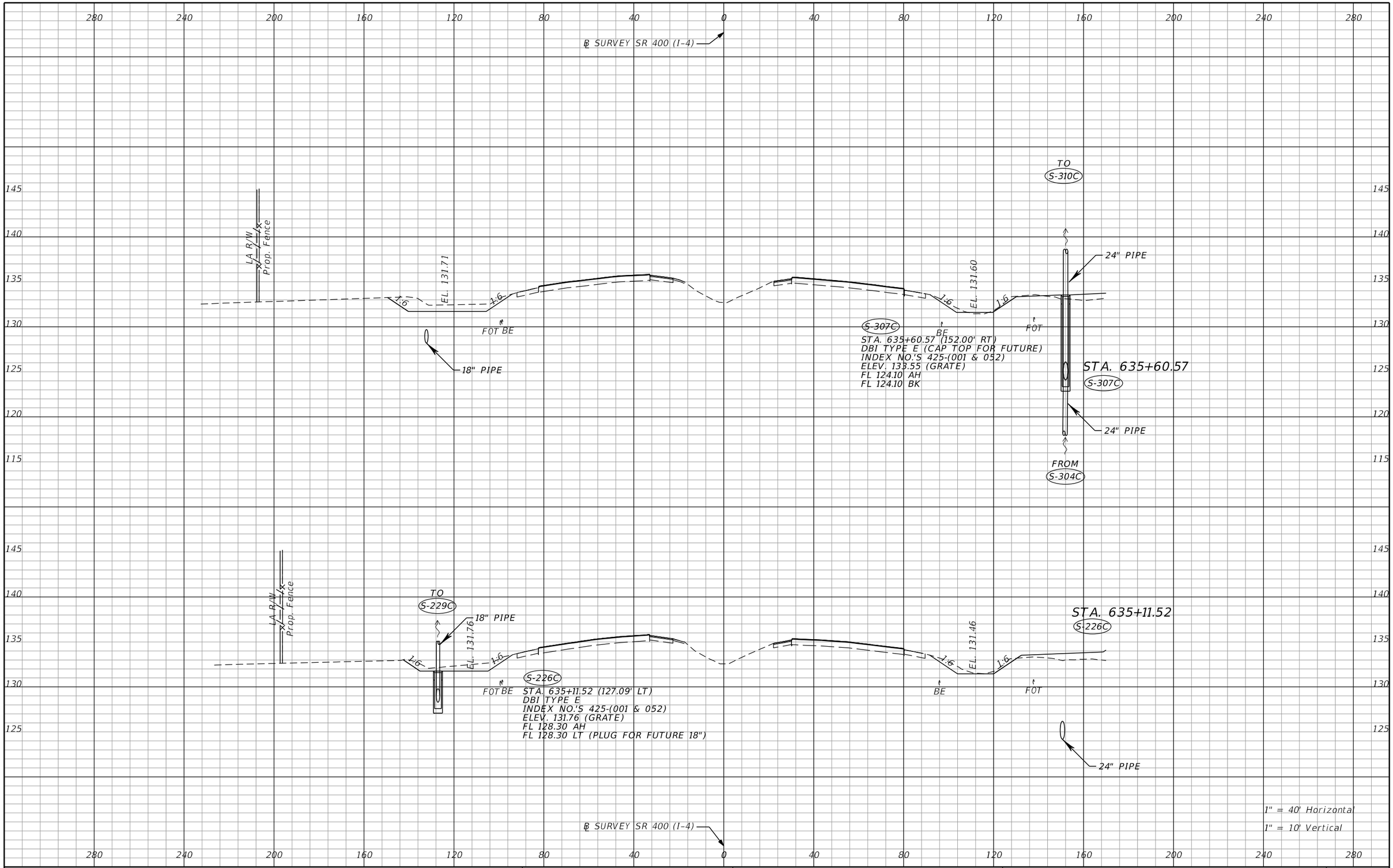
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 179

robert.martini 8/22/2019 11:12:32 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 180

robert.martini 8/22/2019 11:12:39 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

280 240 200 160 120 80 40 0 40 80 120 160 200 240 280

℄ SURVEY SR 400 (I-4)

TO S-312C

145 140 135 130 125 120 115

LA R/W
Prop. Fence
1:6
EL. 131.60
1:6
FOTBE
18" PIPE

S-304A
STA. 636+56.61 (117.00' RT)
DBI TYPE E
INDEX NO.'S 425-(001 & 052)
ELEV. 130.56 (GRATE)
FL 126.70 RT

BE
1:6
1:6
FOT

30" PIPE
FROM S-309C
18" PIPE
24" PIPE
24" PIPE

S-310C
STA. 636+56.61 (152.00' RT)
DBI TYPE E (J-BOT; ALT B 5.0'x5.0')
(CAP TOP FOR FUTURE USE)
INDEX NO.'S 425-(001, 010, & 052)
ELEV. 133.38 (GRATE)
FL 123.40 AH
FL 128.60 RT
FL 123.90 BK
FL 126.60 LT

FROM S-307C

STA. 636+56.61
S-304A
S-310C

1" = 40' Horizontal
1" = 10' Vertical

℄ SURVEY SR 400 (I-4)

280 240 200 160 120 80 40 0 40 80 120 160 200 240 280

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 181

280 240 200 160 120 80 40 0 40 80 120 160 200 240 280

℄ SURVEY SR 400 (I-4)

145 140 135 130 125 120 115

LA R/W
Prop. Fence

TO
S-232C

18" PIPE

EL. 131.54

1:6

S-229C
STA. 637+60.48 (153.38' LT)
DBI TYPE E
INDEX NO.'S 425-(001 & 052)
ELEV. 131.53 (GRATE)
FL 123.96 AH
FL 127.80 BK
FL 127.80 LT (PLUG FOR FUTURE 18")

18" PIPE

FOTBE

FROM
S-229C

S-232C
STA. 639+30.25 (178.72' LT)
CROSS DRAIN MES (1:4)
INDEX NO.'S 430-021
ELEV. 123.70 FL

18" PIPE

FROM
S-226C

1:6

EL. 130.70

BE

FOT

STA. 637+60.48
S-229C
STA. 639+30.25
S-232C

30" PIPE

1" = 40' Horizontal
1" = 10' Vertical

℄ SURVEY SR 400 (I-4)

280 240 200 160 120 80 40 0 40 80 120 160 200 240 280

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

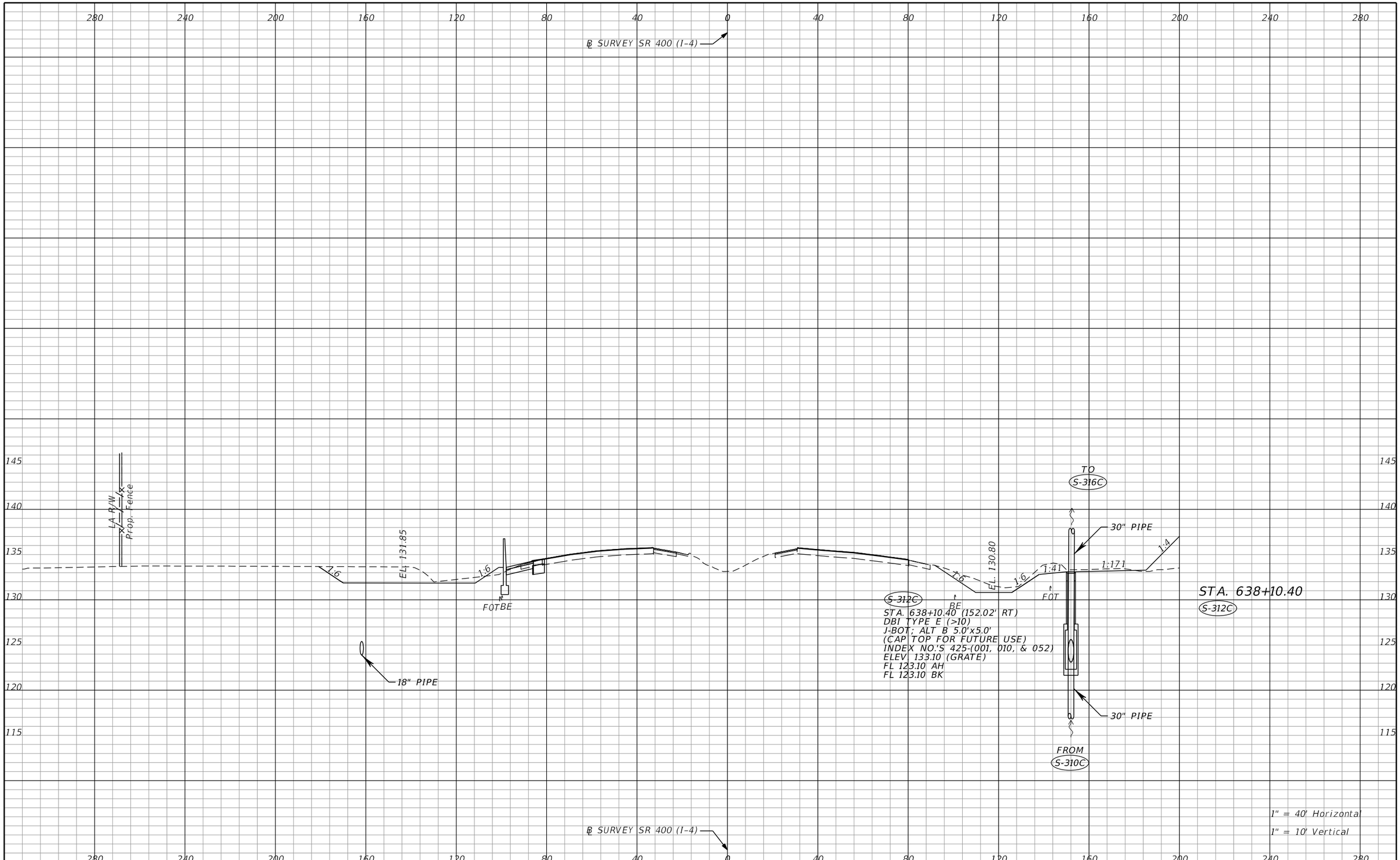
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 182



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

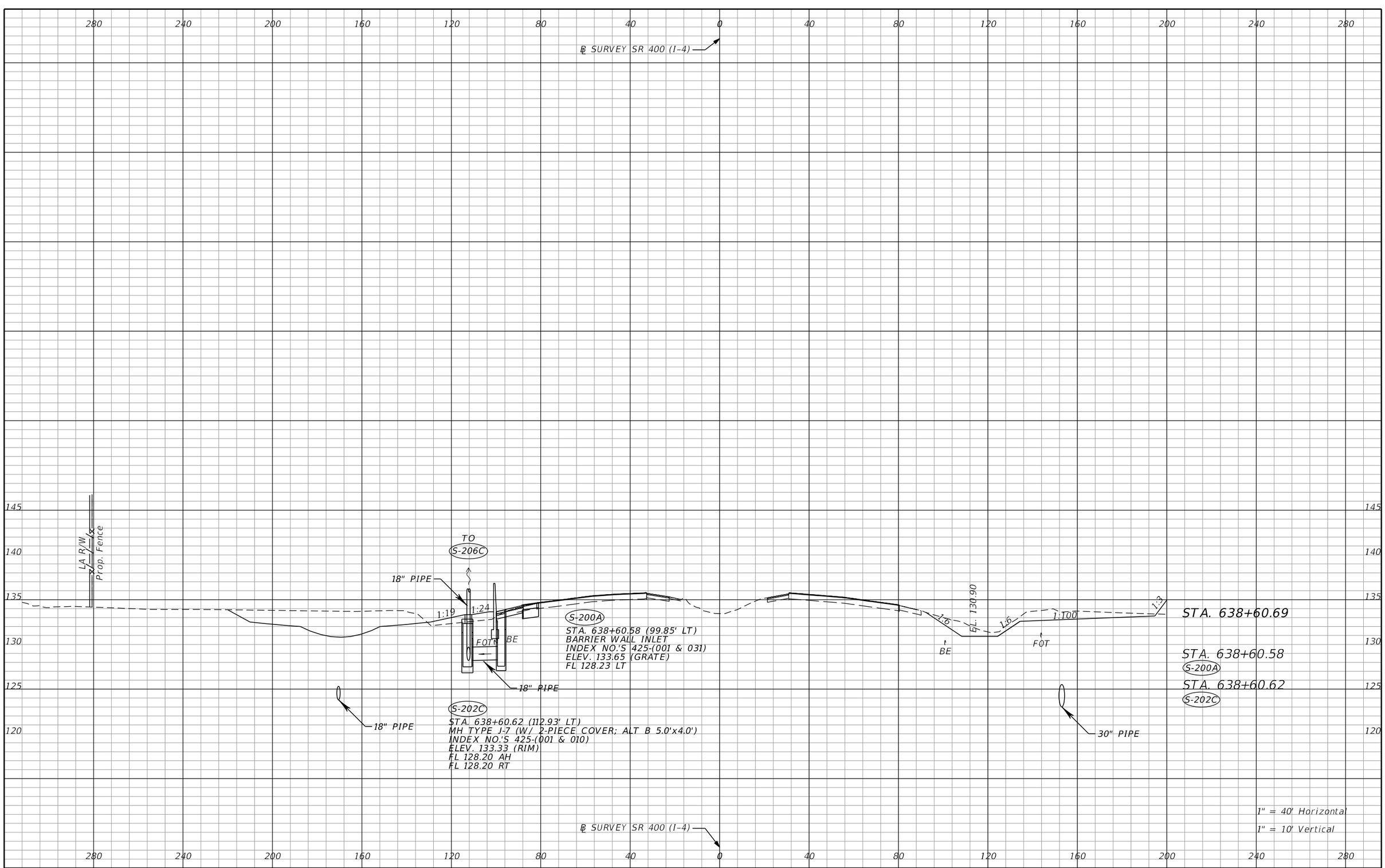
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO.
183

robert.martini 8/22/2019 11:12:58 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

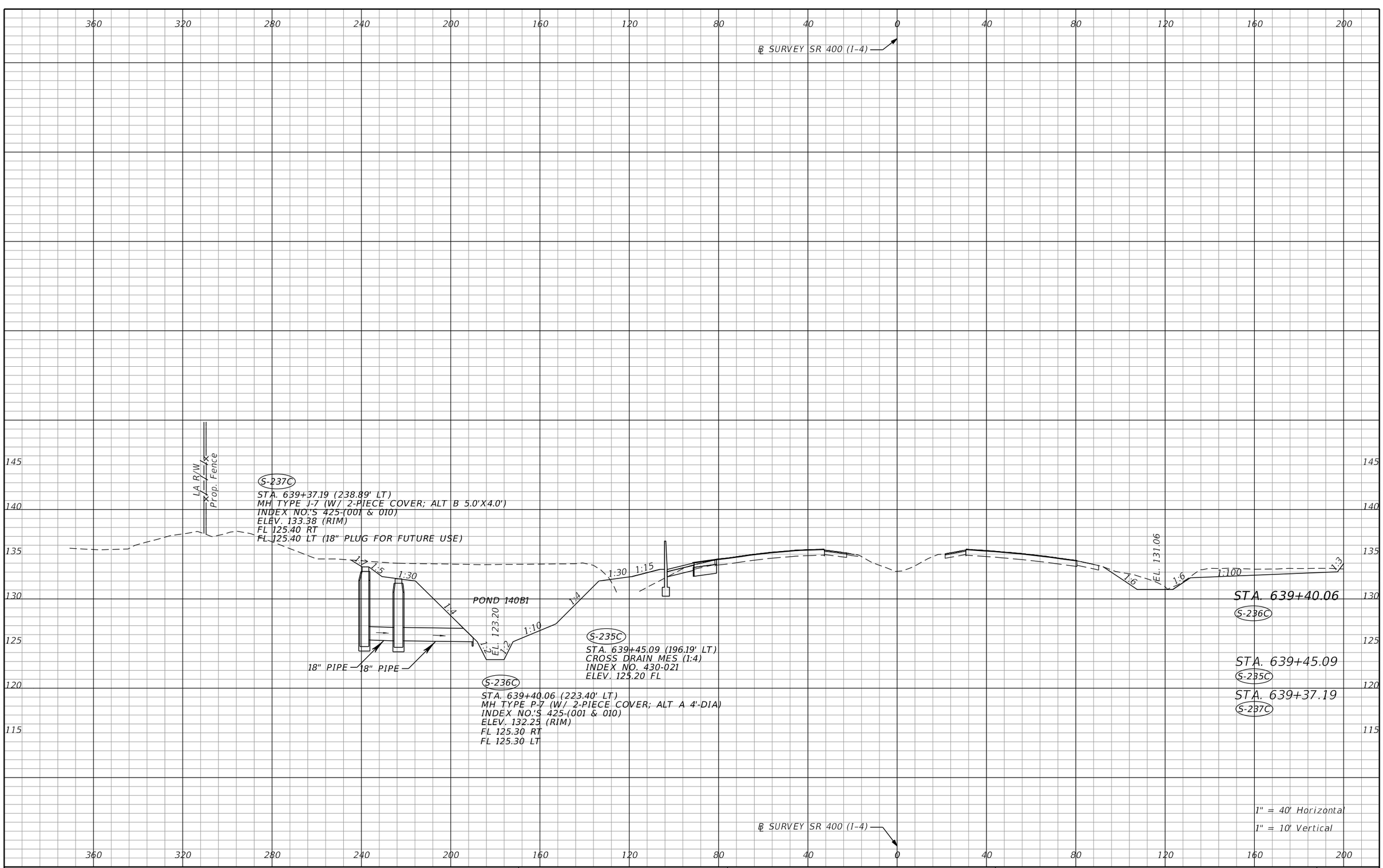
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 184



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

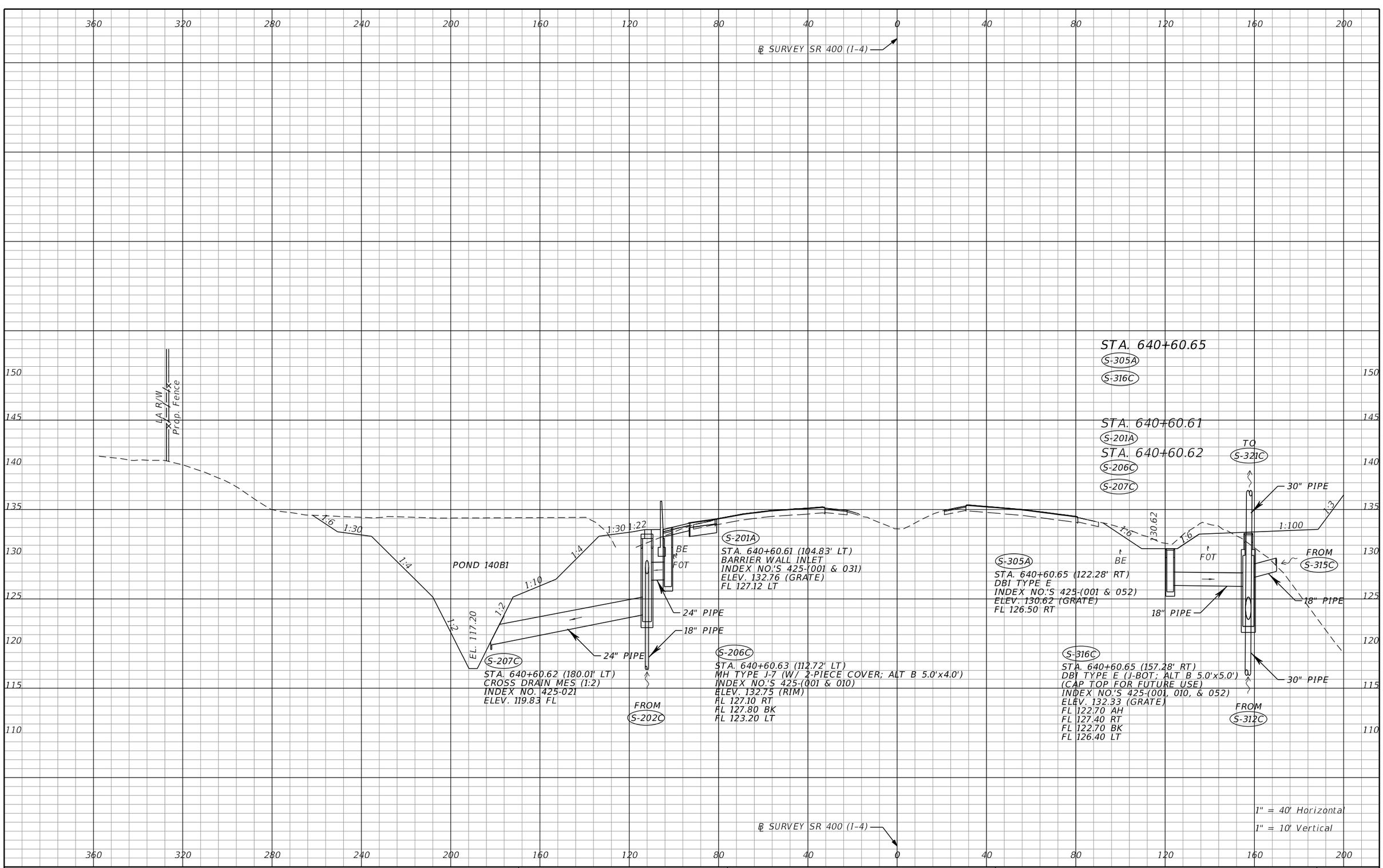
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 185

robert.martini 8/22/2019 11:13:11 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 186

360 320 280 240 200 160 120 80 40 0 40 80 120 160 200

℄ SURVEY SR 400 (I-4)

150 145 140 135 130 125 120 115 110

LA R/W

X Prop. Fence

FROM S-243C
S-246C

STA. 642+52.29 (263.43' LT)
MH TYPE P-7 (W/ 2-PIECE COVER; 4'-DIA)
INDEX NO.'S 425-(001 & 010)
ELEV. 132.25 (RIM)
FL 125.80 AH
FL 125.30 RT
FL 125.80 LT

18" PIPE

1:6 1:30 1:4 1:2 1:2 1:10 1:4 1:30 1:35 1:6 1:6 1:100 1:3

POND 140B1

FOT BE BE FOT

129.74

18" PIPE 24" PIPE

FL 114.20

S-244C

STA. 642+51.02 (279.13' LT)
MH TYPE J-7 (W/ 2-PIECE COVER; ALT B 5.0'X4.0')
INDEX NO.'S 425-(001 & 010)
ELEV. 133.38 (RIM)
FL 125.90 RT
FL 125.90 LT (18" PLUG FOR FUTURE USE)

S-242C

STA. 642+54.35 (237.84' LT)
CROSS DRAIN MES (1:4)
INDEX NO. 430-021
ELEV. 125.20 FL

STA. 642+52.29
S-243C

30" PIPE

STA. 642+54.35
S-242C

STA. 642+51.02
S-244C

1" = 40' Horizontal
1" = 10' Vertical

℄ SURVEY SR 400 (I-4)

360 320 280 240 200 160 120 80 40 0 40 80 120 160 200

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 187

robert.martini 8/22/2019 11:13:23 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

360 320 280 240 200 160 120 80 40 0 40 80 120 160 200

℄ SURVEY SR 400 (I-4)

145 140 135 130 125 120 115 110 105 100 95

LA R/W
Prop. Fence

S-212C
STA. 643+10.46 (119.54' LT)
MH TYPE J-7 (>10)
W/ 2-PIECE COVER; ALT B 18.0'x15.0'
INDEX NO.'S 425-(001 & 010)
ELEV. 132.50 (RIM)
FL 115.47 AH
FL 121.25 RT
FL 115.47 LT

1:6 1:30 1:4 1:2 EL. 114.20 1:2

POND 140B1

TO S-220C FROM S-215C

18" PIPE

48" PIPE

1:4

1:10

BE FOT

24" PIPE

24" PIPE

2-48" PIPE

S-213C
STA. 643+10.46 (183.02' LT)
CROSS DRAIN MES (1:2)
INDEX NO. 430-021
ELEV. 115.50 FL

S-211C
STA. 643+10.40 (113.12' LT)
MH TYPE J-7 (>10)
W/ 2-PIECE COVER; ALT B 5.0'x4.0
INDEX NO.'S 425-(001 & 010)
ELEV. 132.63 (RIM)
FL 126.10 AH
FL 127.00 RT
FL 121.30 LT

S-203A
STA. 643+10.39 (104.69' LT)
BARRIER WALL INLET
INDEX NO.'S 425-(001 & 031)
ELEV. 132.71 (GRATE)
FL 127.04 LT

BE

1:6 EL. 129.48 1:6 1:724 1:58

FOT

S-321C
STA. 643+10.54 (166.37' RT)
DBI TYPE E (J-BOT.; ALT B 5.0'x5.0')
(CAP TOP FOR FUTURE USE)
INDEX NO.'S 425-(001, 010, & 052)
ELEV. 131.56 (GRATE)
FL 121.80 AH
FL 126.70 RT
FL 122.30 BK

TO S-324C

36" PIPE

FROM S-320C

18" PIPE

30" PIPE

FROM S-316C

STA. 643+10.54
S-321C

STA. 643+10.39
S-203A

STA. 643+10.40
S-211C

STA. 643+10.46
S-213C
S-212C

1" = 40' Horizontal
1" = 10' Vertical

℄ SURVEY SR 400 (I-4)

360 320 280 240 200 160 120 80 40 0 40 80 120 160 200

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 188

robert.martini 8/22/2019 11:13:29 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

360 320 280 240 200 160 120 80 40 0 40 80 120 160 200

℄ SURVEY SR 400 (I-4)

145 140 135 130 125 120 115

LA R/W
Prop. Fence

FROM
S-249C

18" PIPE

S-247C
STA. 643+55.12 (280.30' LT)
MH TYPE J-7 (W/ 2-PIECE COVER; ALT B 5.0'X4.0')
INDEX NO.'S 425-(001 & 010)
ELEV. 133.55 (RIM)
FL 126.10 RT
FL 126.10 LT

1:6 1:7 1:30 1:4 1:2 1:2 1:10 1:4 1:30 1:82 1:6 1:6 1:100

POND 140B1

EL. 119.61

FOT BE

18" PIPE

18" PIPE

18" PIPE

S-248C
STA. 643+62.14 (350.30' LT)
DBI TYPE E
INDEX NO.'S 425-(001 & 052)
ELEV. 134.28 (GRATE)
FL 127.00 RT

TO
S-243C

S-246C
STA. 643+53.18 (264.71' LT)
MH TYPE P-7 (W/ 2-PIECE COVER; ALT A 4'-DIA)
INDEX NO.'S 425-(001 & 010)
ELEV. 132.25 (RIM)
FL 126.00 BK
FL 126.00 LT
FL 126.00 AH

48" PIPE

BE

129.28

TFOT

36" PIPE

STA. 643+53.18
S-246C

STA. 643+55.12
S-247C

STA. 643+62.14
S-248C

1" = 40' Horizontal
1" = 10' Vertical

℄ SURVEY SR 400 (I-4)

360 320 280 240 200 160 120 80 40 0 40 80 120 160 200

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

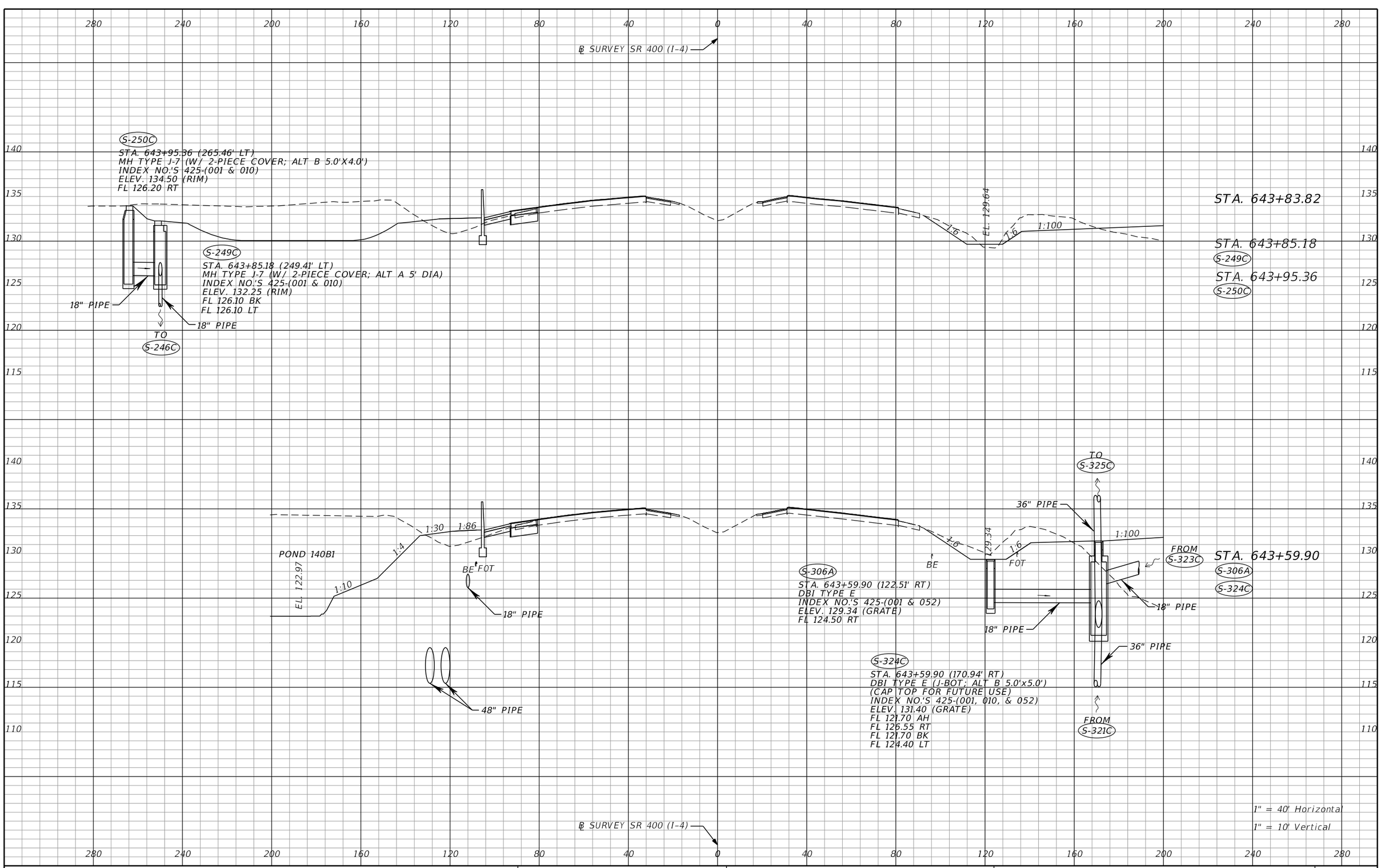
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 189

robert.martini 8/22/2019 11:13:35 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

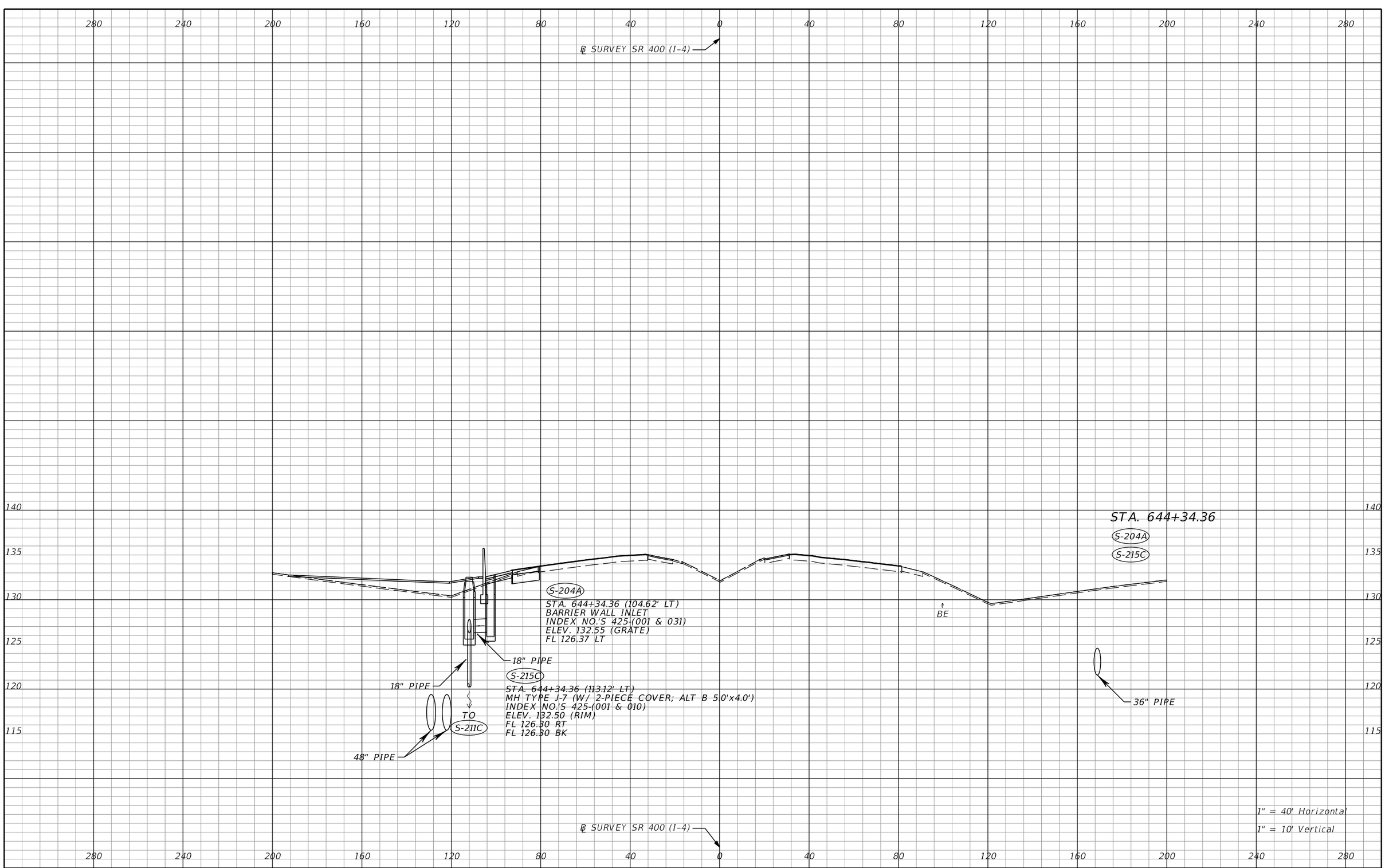
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 190

robert.martini 8/22/2019 11:13:41 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 191

robert.martini 8/22/2019 11:13:47 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

280 240 200 160 120 80 40 0 40 80 120 160 200 240 280

℄ SURVEY SR 400 (I-4)

145 140 135 130 125 120 115 110

℄ RAMP ISLIP1
STA 100+42.48

EL. 133.36

48" PIPE

S-325C
STA. 645+33.35 (166.17' RT)
MH TYPE J-7 (>10)
W/ 2-PIECE COVER; ALT B 4.0'x6.0'
INDEX NO.'S 425-(001 & 010)
ELEV. 131.76 (RIM)
FL 121.10 AH
FL 121.40 BK

BE

TO
S-330C

36" PIPE

STA. 645+33.35
S-325C

36" PIPE

FROM
S-324C

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal
1" = 10' Vertical

280 240 200 160 120 80 40 0 40 80 120 160 200 240 280

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 192

robert.martini 8/22/2019 11:13:53 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

280 240 200 160 120 80 40 0 40 80 120 160 200 240 280

℄ SURVEY SR 400 (I-4)

℄ RAMP ISLIP1
STA 100+42.48

145 140 135 130 125 120 115 110

EL 133.25

1:23

BE FOT

BE

48" PIPE

S-331C
STA. 646+10.69 (133.40' RT)
MH TYPE J-7 (>10)
W/ 2-PIECE COVER; ALT B 6.0'x7.0'
INDEX NO.'S 425-(001 & 010)
ELEV. 131.20 (RIM)
FL 120.40 AH
FL 120.40 RT

S-330C
STA. 646+02.60 (178.81' RT)
MH TYPE J-7 (>10)
W/ 2-PIECE COVER; ALT B 5.0'x7.0'
INDEX NO.'S 425-(001 & 010)
ELEV. 133.22 (RIM)
FL 122.00 AH
FL 121.00 BK
FL 120.50 LT

1:6

BE

131.20

1:6

FOT BE

42" PIPE

FROM S-338C

TO S-339C

24" PIPE

42" PIPE

36" PIPE

FROM S-325C

STA. 646+10.69
S-331C

STA. 646+02.60
S-330C

1" = 40' Horizontal
1" = 10' Vertical

280 240 200 160 120 80 40 0 40 80 120 160 200 240 280

℄ SURVEY SR 400 (I-4)

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 193

robert.martini 8/22/2019 11:13:59 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

℄ SURVEY SR 400 (I-4)

℄ RAMP ISLIP1
STA 101+92.27

EL. 132.61

POND 140B2

1:15 1:4 1:9 1:2

FOT BE BE

24" PIPE

2-48" PIPE

48" PIPE

S-221C
STA. 647+59.81 (175.65' LT)
CROSS DRAIN MES (1:2)
INDEX NO. 430-021
ELEV. 115.20 FL

FROM S-212C

S-219C
STA. 647+60.57 (113.66' LT)
MH TYPE J-7 (>10)
W/ 2-PIECE COVER, ALT B 5.0'x4.0'
INDEX NO.'S 425-(001 & 010)
ELEV. 131.45 (RIM)
FL 124.30 RT
FL 121.30 LT

S-220C
STA. 647+60.57 (119.54' LT)
MH TYPE J-7 (>10)
W/ 2-PIECE COVER; ALT B 18.0'x15.0'
INDEX NO.'S 425-(001 & 010)
ELEV. 131.03 (RIM)
FL 121.25 RT
FL 115.25 BK
FL 115.25 LT

S-205A
STA. 647+60.59 (104.44' LT)
BARRIER WALL INLET
INDEX NO.'S 425-(001 & 031)
ELEV. 132.01 (GRADE)
FL 124.32 LT

S-339C
STA. 647+60.54 (142.00' RT)
DBI TYPE E (>10)
J-BOT; ALT B 5.0'x6.0'
INDEX NO.'S 425-(001, 010, & 052)
ELEV. 130.90 (GRADE)
FL 118.70 AH
FL 120.20 BK

1:6 1B1:10 1:6

BE BE FOT

42" PIPE

42" PIPE

FROM S-331C

TO S-340C

STA. 647+60.45

STA. 647+60.59
S-205A
STA. 647+60.57
S-219C
S-220C
STA. 647+59.81
S-221C
STA. 647+60.54
S-339C

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal
1" = 10' Vertical

280 240 200 160 120 80 40 0 40 80 120 160 200 240 280

145 140 135 130 125 120 115 110 105

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 194

robert.martini 8/22/2019 11:14:04 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

280 240 200 160 120 80 40 0 40 80 120 160 200 240 280

℄ SURVEY SR 400 (I-4)

℄ RAMP ISLIP1
STA 103+42.54

EL. 131.38

S-225C
STA. 649+10.46 (174.58' LT)
CROSS DRAIN MES (1:2)
INDEX NO. 430-021
ELEV. 119.83 FL

POND 140B2

1:4 1:15 1:9 1:2

BE BEFOT

S-206A
STA. 649+10.61 (108.14' LT)
BARRIER WALL INLET
INDEX NO.'S 425-(001 & 031)
ELEV. 130.96 (GRATE)
FL 124.50 LT

S-224C
STA. 649+10.60 (116.17' LT)
MH TYPE J-7 (>10')
W/ 2-PIECE COVER; ALT B 5.0'x4.0'
INDEX NO.'S 425-(001 & 010)
ELEV. 131.33 (RIM)
FL 124.40 RT
FL 120.00 LT

24" PIPE

24" PIPE

1:6

BE

EL. 129.14

F0T

BE

42" PIPE

STA. 649+10.57

STA. 649+10.61
S-206A
STA. 649+10.60
S-224C
STA. 649+10.46
S-225C

140 135 130 125 120 115

1" = 40' Horizontal
1" = 10' Vertical

℄ SURVEY SR 400 (I-4)

280 240 200 160 120 80 40 0 40 80 120 160 200 240 280

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

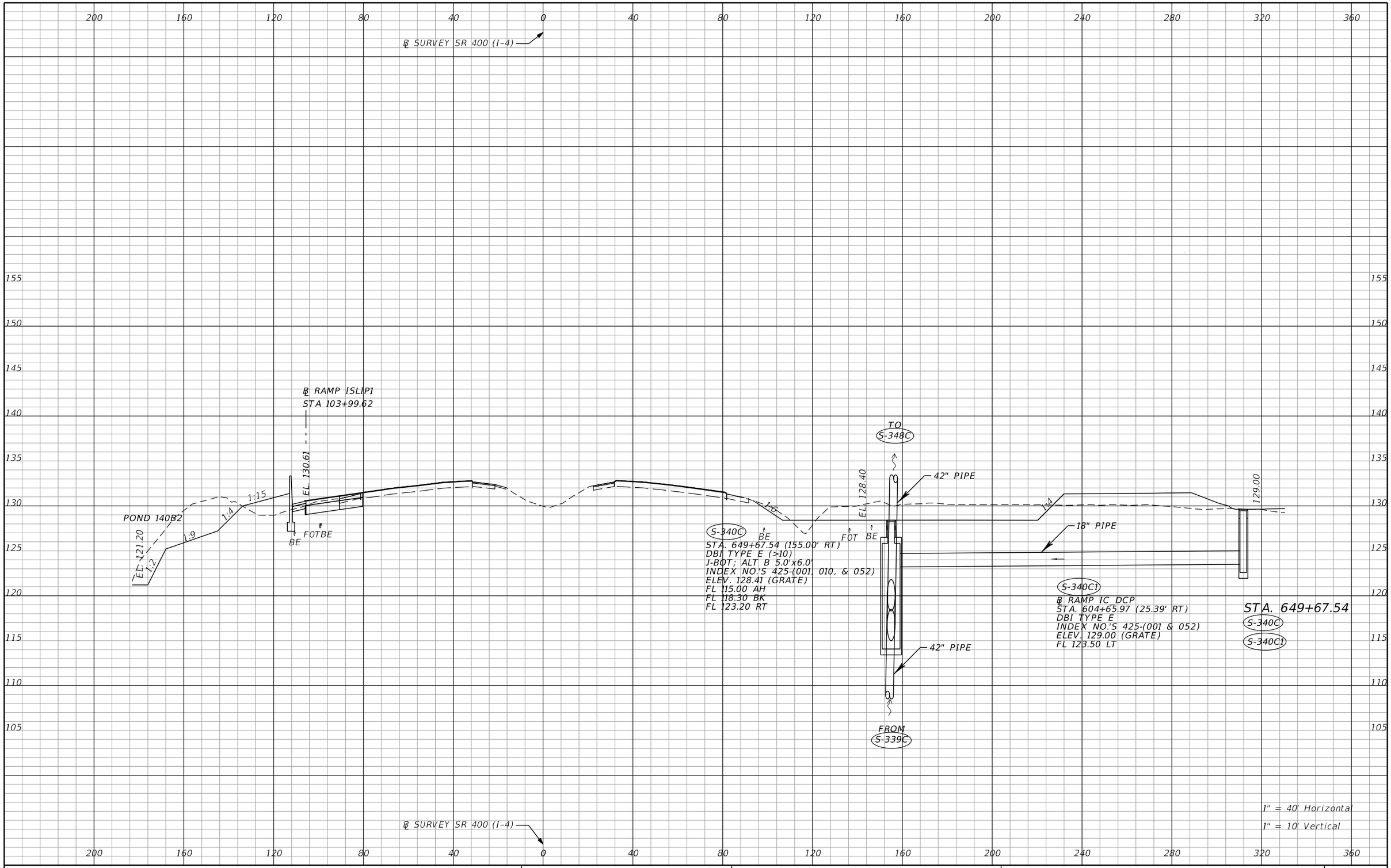
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 195

robert.martini 8/22/2019 11:14:11 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

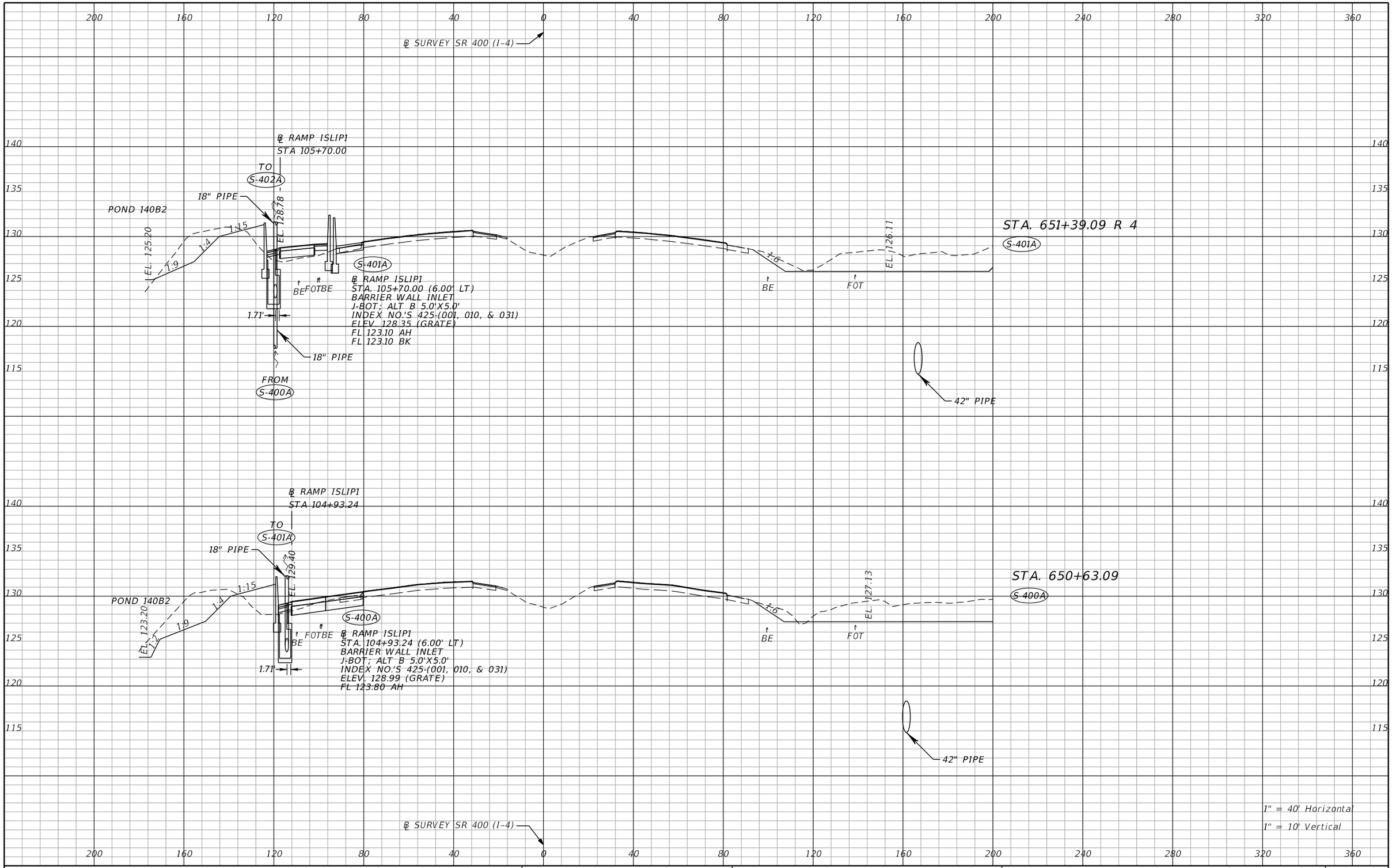
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 196

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:14:17 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

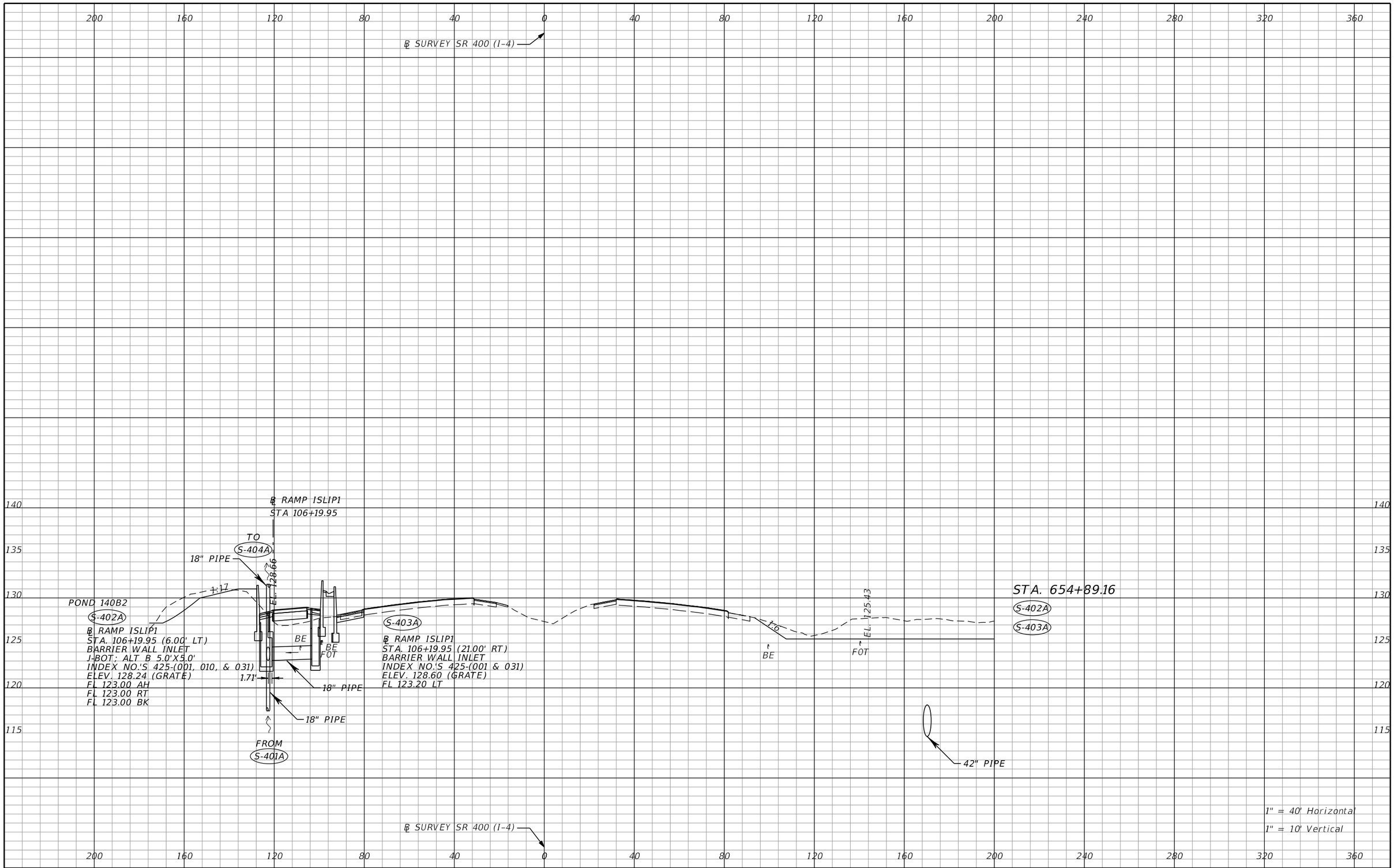
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 197

robert.martini 8/22/2019 11:14:24 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

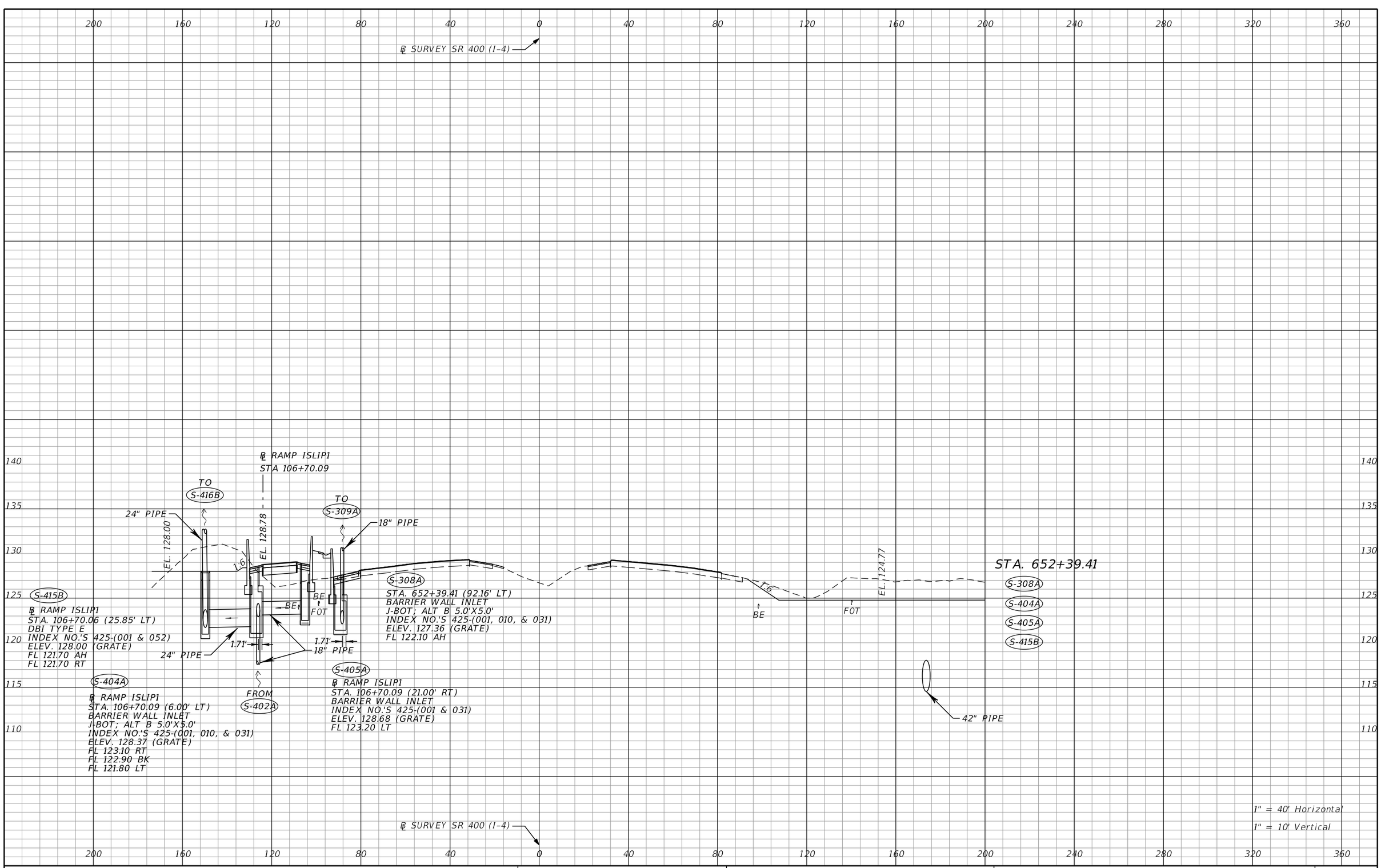
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 198

robert.martini 8/22/2019 11:14:30 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

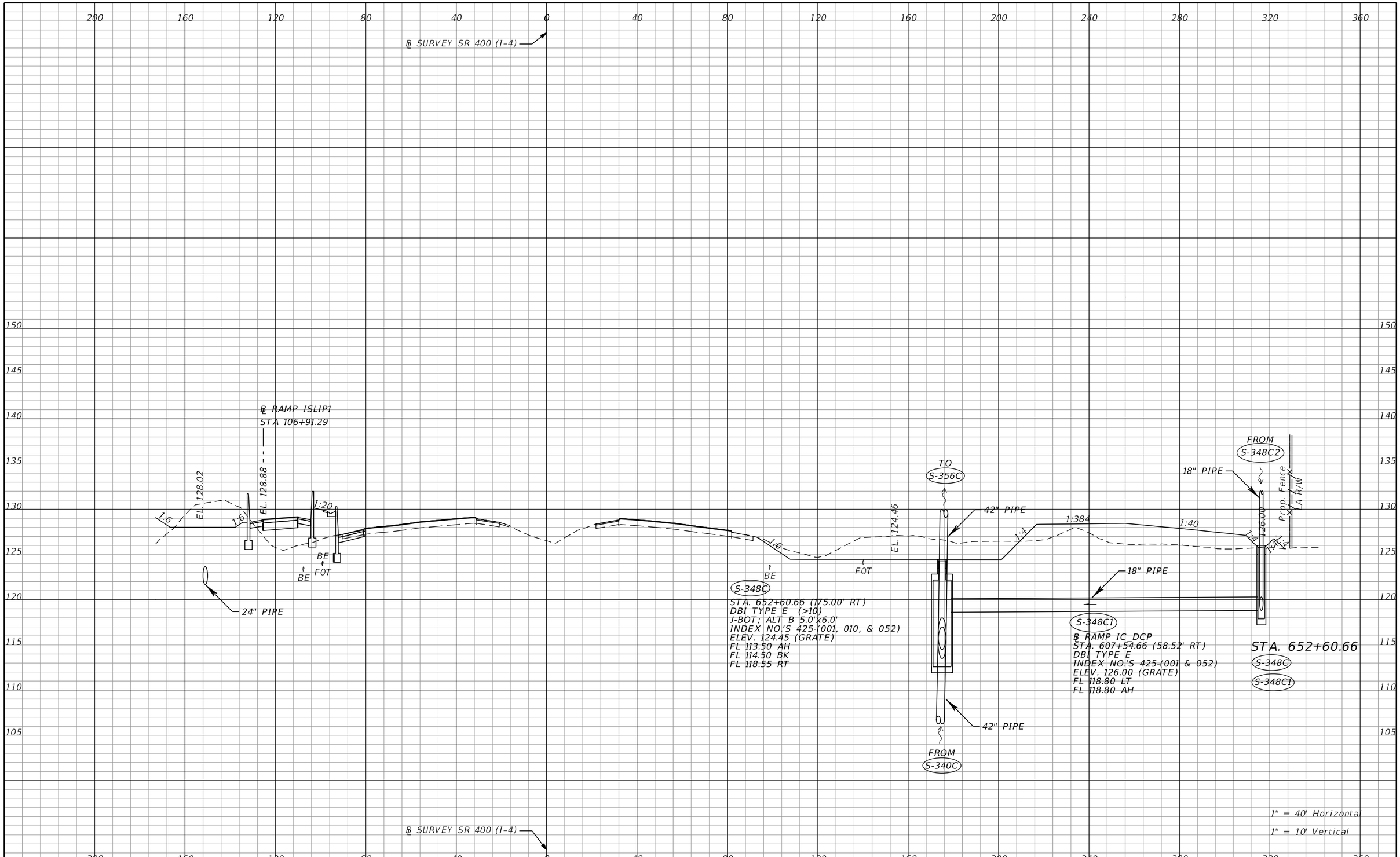
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 199



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO.
200

℄ SURVEY SR 400 (I-4)

℄ RAMP ISLIP1
STA 108+00.00
TO S-407A
FROM S-411A
18" PIPE
24" PIPE
EL. 129.43
128.47
1:6
1:6
1:11.3
S-408A
℄ RAMP ISLIP1
STA. 108+00.00 (21.00' RT)
BARRIER WALL INLET
INDEX NO.'S 425-(001 & 031)
ELEV. 129.33 (GRADE)
FL 124.50 AH
FL 124.30 LT
S-416B
℄ RAMP ISLIP1
STA. 108+00.00 (25.85' LT)
MH TYPE P-7 (ALT A 4'-DIA)
INDEX NO.'S 425-(001 & 010)
ELEV. 128.69 (RIM)
FL 121.50 RT
FL 121.50 BK
FOT
BE
BE
18" PIPE
24" PIPE
S-407A
℄ RAMP ISLIP1
STA. 108+00.00 (6.13' LT)
GUTTER INLET TYPE S (J-BOT; ALT B 4.0'X5.0')
INDEX NO.'S 425-(001, 010, & 040)
ELEV. 129.28 (EOS)
FL 121.43 AH
FL 124.20 RT
FL 121.43 LT
FROM S-415B

STA. 653+68.56
1:6
123.05
FOT
BE
1:4
S-407A
S-408A
S-416B
42" PIPE

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

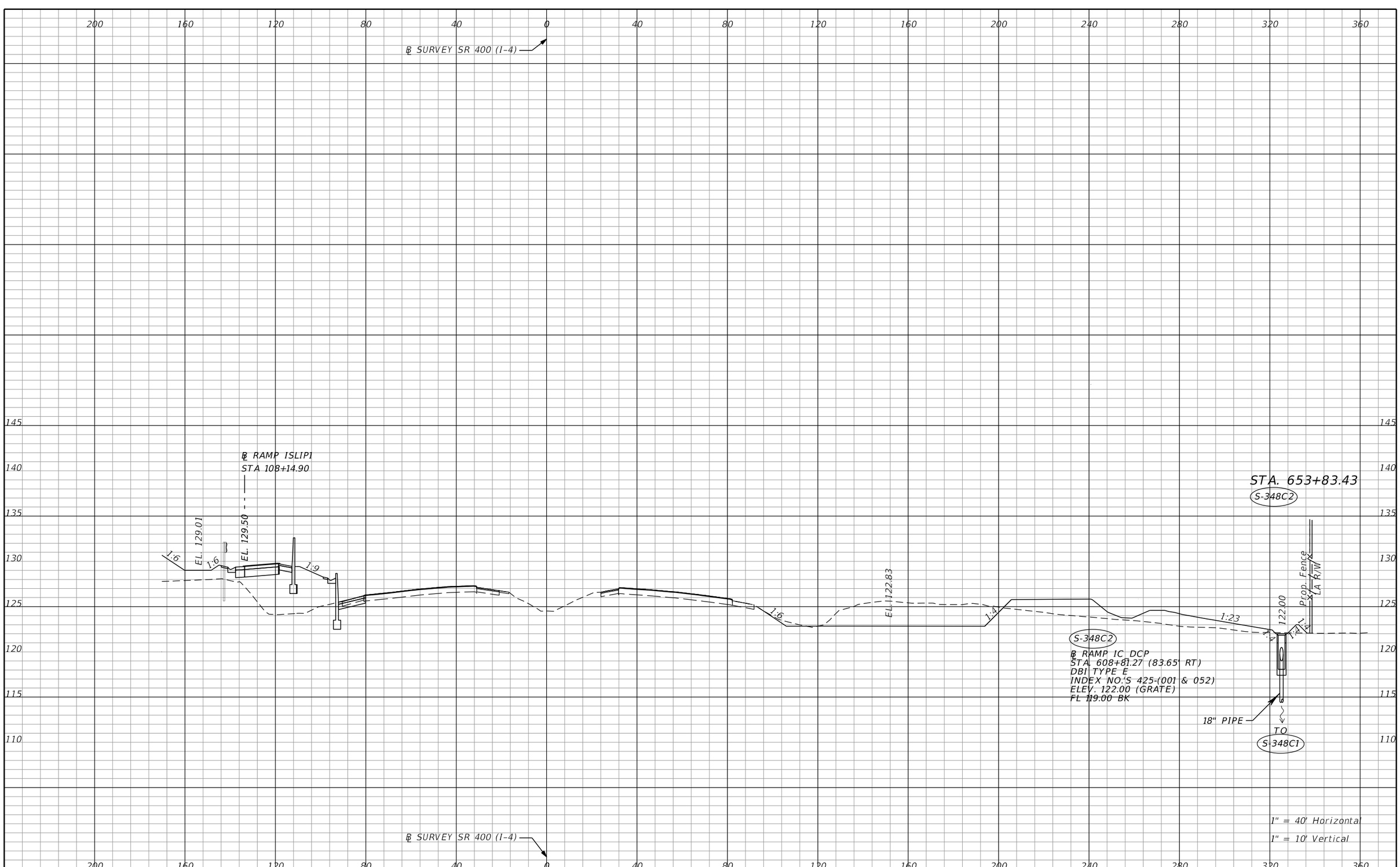
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 201

robert.martini 8/22/2019 11:14:47 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 202

robert.martini 8/22/2019 11:14:53 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

℄ SURVEY SR 400 (I-4)

S-407A1

℄ RAMP ISLIP1
STA. 108+50.00 (6.13' LT)
GUTTER INLET TYPE S (J-BOT; ALT B 4.0'X5.0')
INDEX NO.'S 425-(001, 010, & 040)
ELEV. 129.28 (EOS)
FL 121.32 AH
FL 121.32 BK

℄ RAMP ISLIP1
STA 108+42.07

TO S-410A

EL. 129.61

24" PIPE

1.6 1:100

1:8

TO S-311A

18" PIPE

18" PIPE

24" PIPE

FROM S-407A

BE FOT

1.71'

S-309A
STA. 654+10.54 (92.06' LT)
BARRIER WALL INLET
J-BOT; ALT B 5.0'X5.0'
INDEX NO.'S 425-(001, 010, & 031)
ELEV. 125.12 (GRATE)
FL 119.90 AH
FL 119.90 BK

18" PIPE

FROM S-308A

1.6

BE
S-356C
STA. 654+10.54 (180.50' RT)
DBI TYPE E (>10)
J-BOT; ALT B 7.0'x5.0'
INDEX NO.'S 425-(001, 010, & 052)
ELEV. 122.48 (GRATE)
FL 111.20 AH
FL 112.70 RT
FL 113.20 BK

FOT

EL. 122.48

TO S-357C

1:4

48" PIPE

30" PIPE

42" PIPE

FROM S-348C

STA. 654+10.54

S-309A

S-356C

FROM S-361C

30" PIPE

1:4

1:7

1:4

S-355C

S-407A1

Prop. Fence

LA R/W

TEMP. CONST. EASEMENT

S-355C
℄ RAMP IC_DCP
STA. 609+17.66 (12.99' RT)
DBI TYPE E (>10)
J-BOT; ALT B 5.0'x5.0'
INDEX NO.'S 425-(001, 010, & 052)
ELEV. 123.00 (GRATE)
FL 112.80 AH
FL 112.80 LT
FL 115.00 RT (PLUG FOR FUTURE 18")

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal
1" = 10' Vertical

200 160 120 80 40 0 40 80 120 160 200 240 280 320 360

145 140 135 130 125 120 115 110 105

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 203

℄ SURVEY SR 400 (I-4)

℄ RAMP 1SLIP1
STA 108+92.10

1:100

EL. 129.74

1:7

18" PIPE

24" PIPE

FOT

BE

BE

1:6

1:6

TO
J-1410Z

54" PIPE

J-1410I

STA. 654+60.34 (2.48' RT)
DBI TYPE E (>10)
J-BOT; ALT B 7.0'x6.0'
INDEX NO.'S 425-(001, 010, & 052)
ELEV. 123.29 (GRADE)
FL 109.20 AH
FL 109.20 RT

BE

1:6

FOT

EL. 121.81

54" PIPE (MICROTUNNELING)

FROM
S-377C

18" PIPE

STA. 654+60.45
S-357C

STA. 654+60.34
J-1410I

S-357C

STA. 654+60.45 (173.61' RT)
DBI TYPE E (>10)
J-BOT; ALT B 7.0'x8.0'
INDEX NO.'S 425-(001, 010, & 052)
ELEV. 121.84 (GRADE)
FL 113.20 AH
FL 111.10 BK
FL 109.50 LT

48" PIPE

FROM
S-356C

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

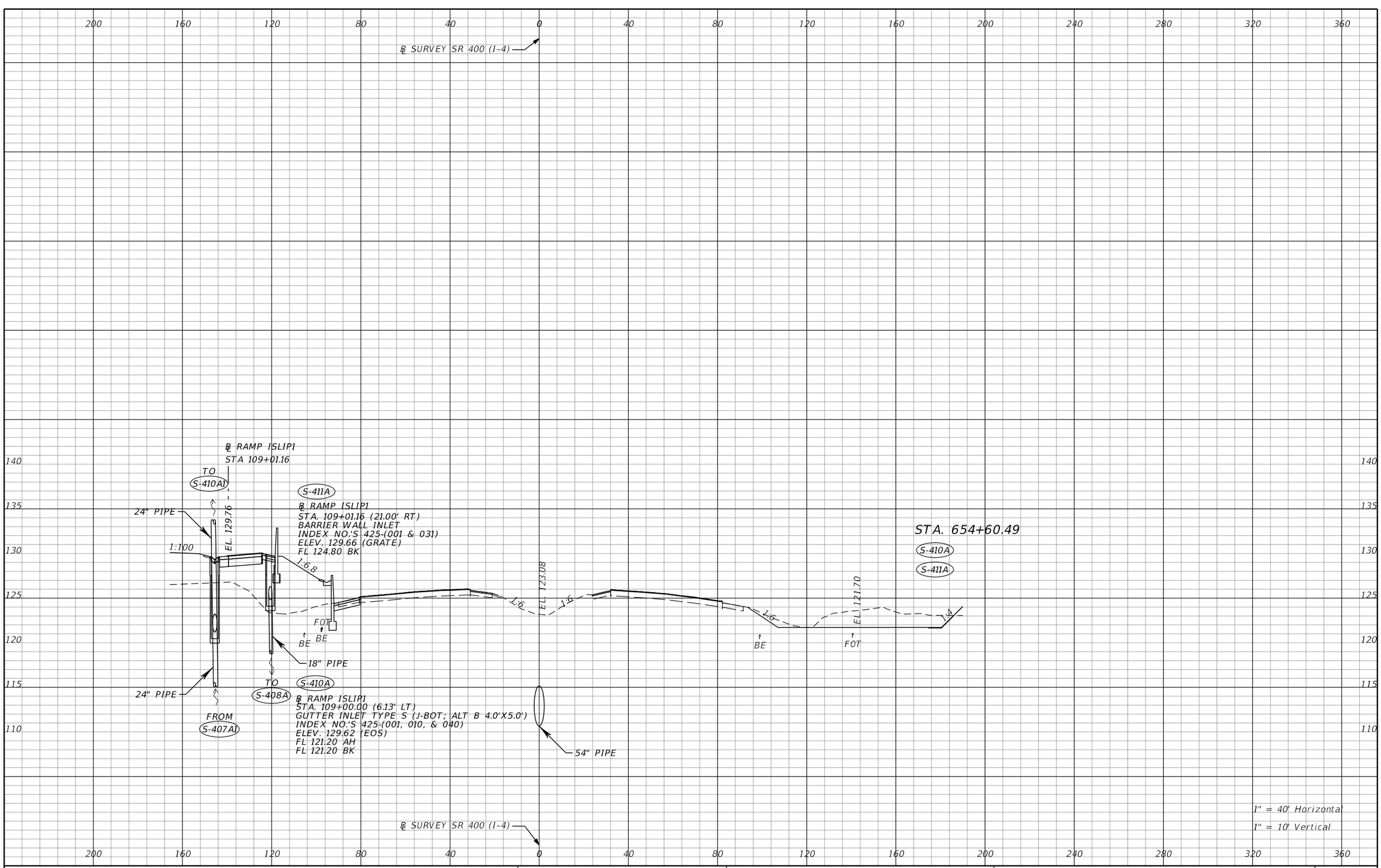
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 204

robert.martini 8/22/2019 11:15:05 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

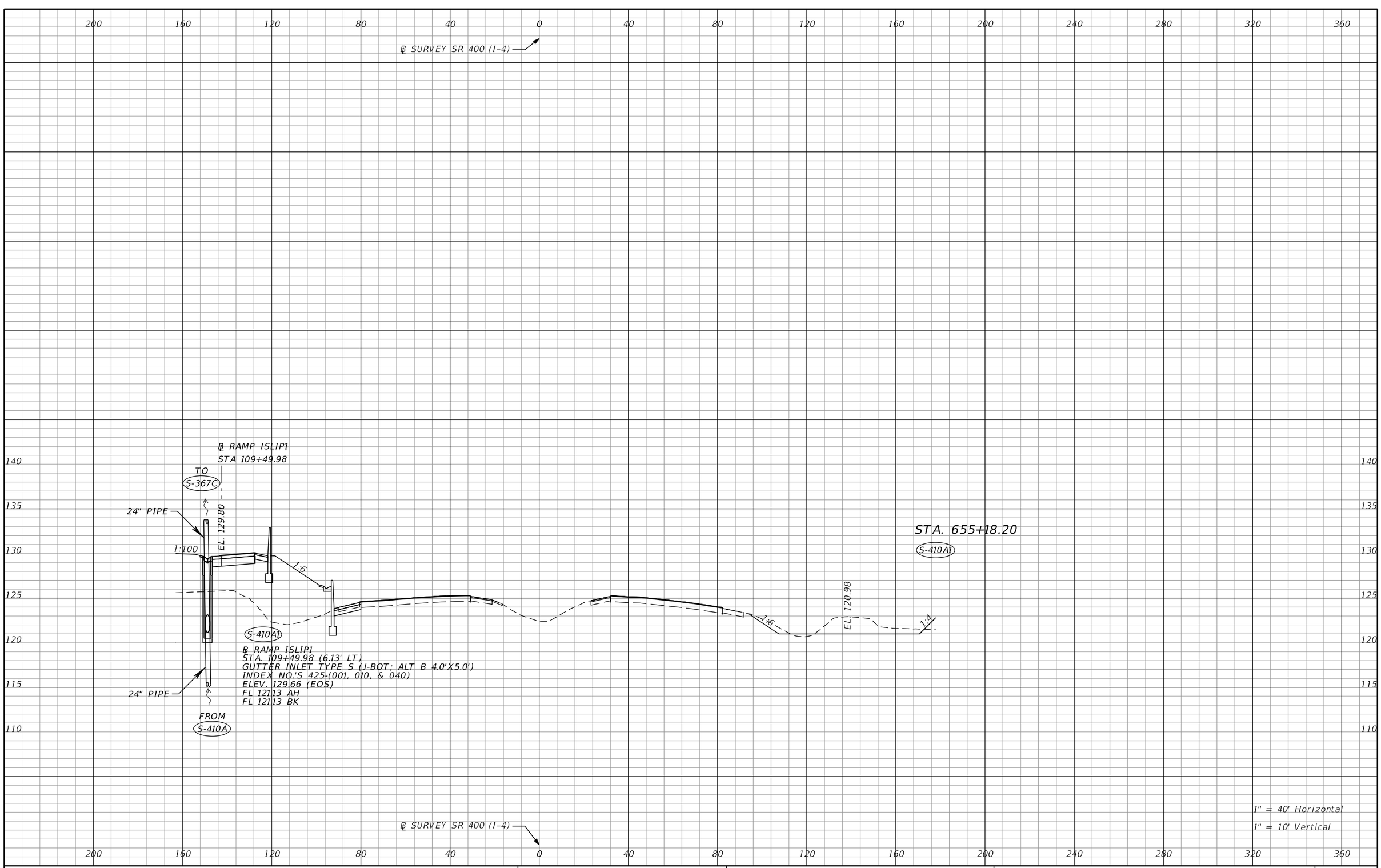
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 205

robert.martini 8/22/2019 11:15:11 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

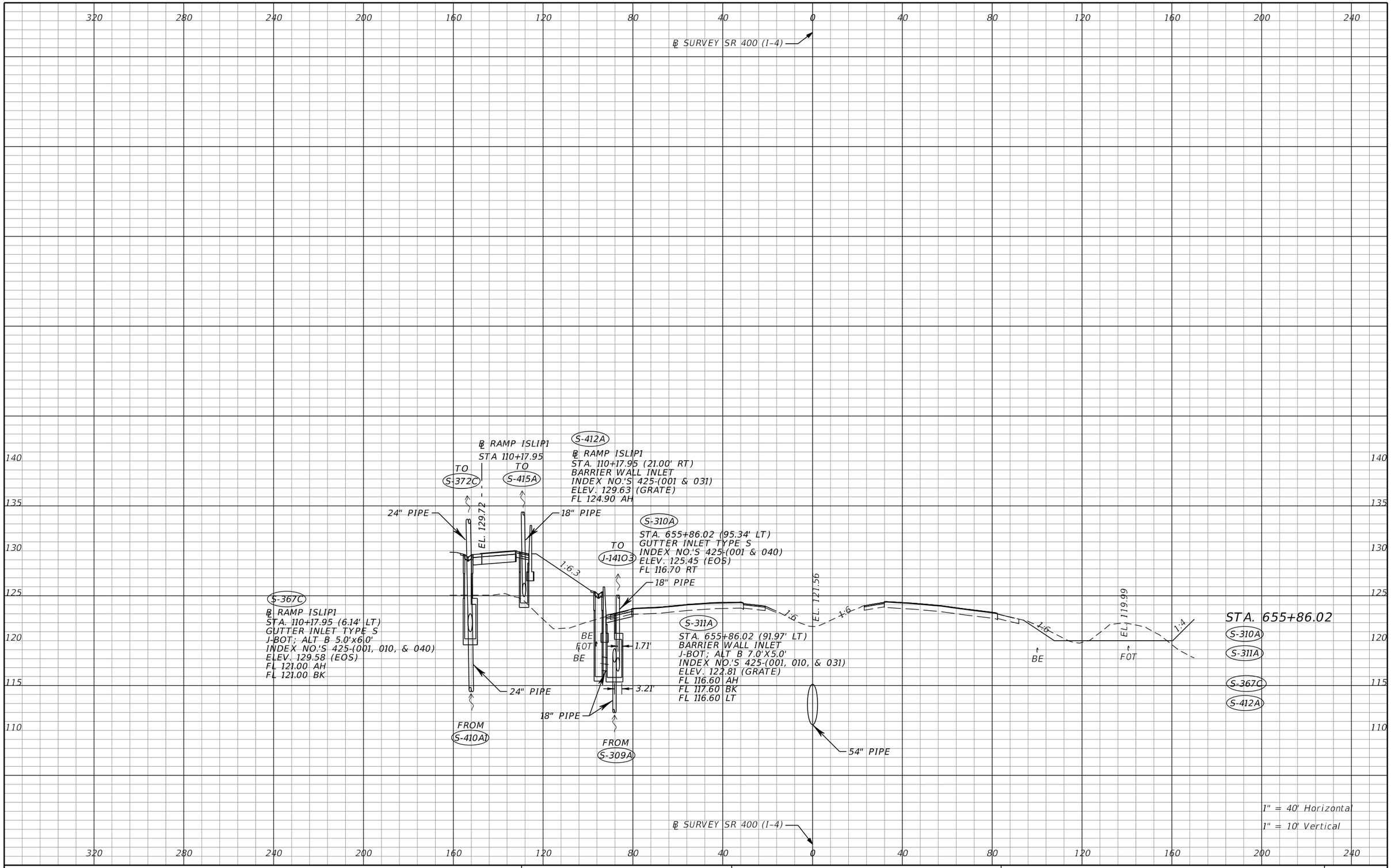
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 206

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:15:18 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 207

robert.martini 8/22/2019 11:15:24 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

℄ SURVEY SR 400 (I-4)

℄ RAMP D_DCP
STA 711+76.90

℄ RAMP ISLIP1
STA 110+98.65

TO S-373C1

EL. 128.72

EL. 129.43

S-415A

℄ RAMP ISLIP1
STA. 110+98.65 (21.00' RT)
BARRIER WALL INLET
INDEX NO.'S 425-(001, 010, & 031)
ELEV. 129.37 (GRATE)
FL 121.36 RT
FL 123.10 BK
FL 121.36 LT

S-371C

℄ CONST. IWBCD2
STA. 7064+97.40 (6.00' RT)
MH TYPE J-7 (W/ 2-PIECE COVER; ALT B 4.0'x5.0')
INDEX NO.'S 425-(001 & 010)
ELEV. 127.34 (RIM)
FL 121.40 LT

ST.A. 656+68.09

S-371C
S-372C
S-373C
S-415A

LA R/W
Prop. Fence

1:11 1:37 1:6 1:5 1:6 1:6 1:6 1:4.7

EL. 120.67

EL. 118.80

30" PIPE

18" PIPE

30" PIPE

24" PIPE

18" PIPE

54" PIPE

FOT BE BE BE FOT

FROM S-368C

FROM S-367C

FROM S-412A

S-372C

S-373C

℄ RAMP D_DCP
STA. 711+76.84 (6.12' LT)
GUTTER INLET TYPE S (J-BOT; ALT B 5.0'X6.0')
INDEX NO.'S 425-(001, 010, & 040)
ELEV. 128.54 (EOS)
FL 120.20 RT
FL 123.40 BK
FL 120.20 AH

℄ RAMP D DCP
STA. 711+77.69 (27.40' RT)
GUTTER INLET TYPE S (J-BOT; ALT B 4.0'x5.0')
INDEX NO.'S 425-(001, 010, & 040)
ELEV. 129.25 (EOS)
FL 121.30 RT
FL 120.80 BK
FL 120.30 LT

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal
1" = 10' Vertical

140 135 130 125 120 115 110 105

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

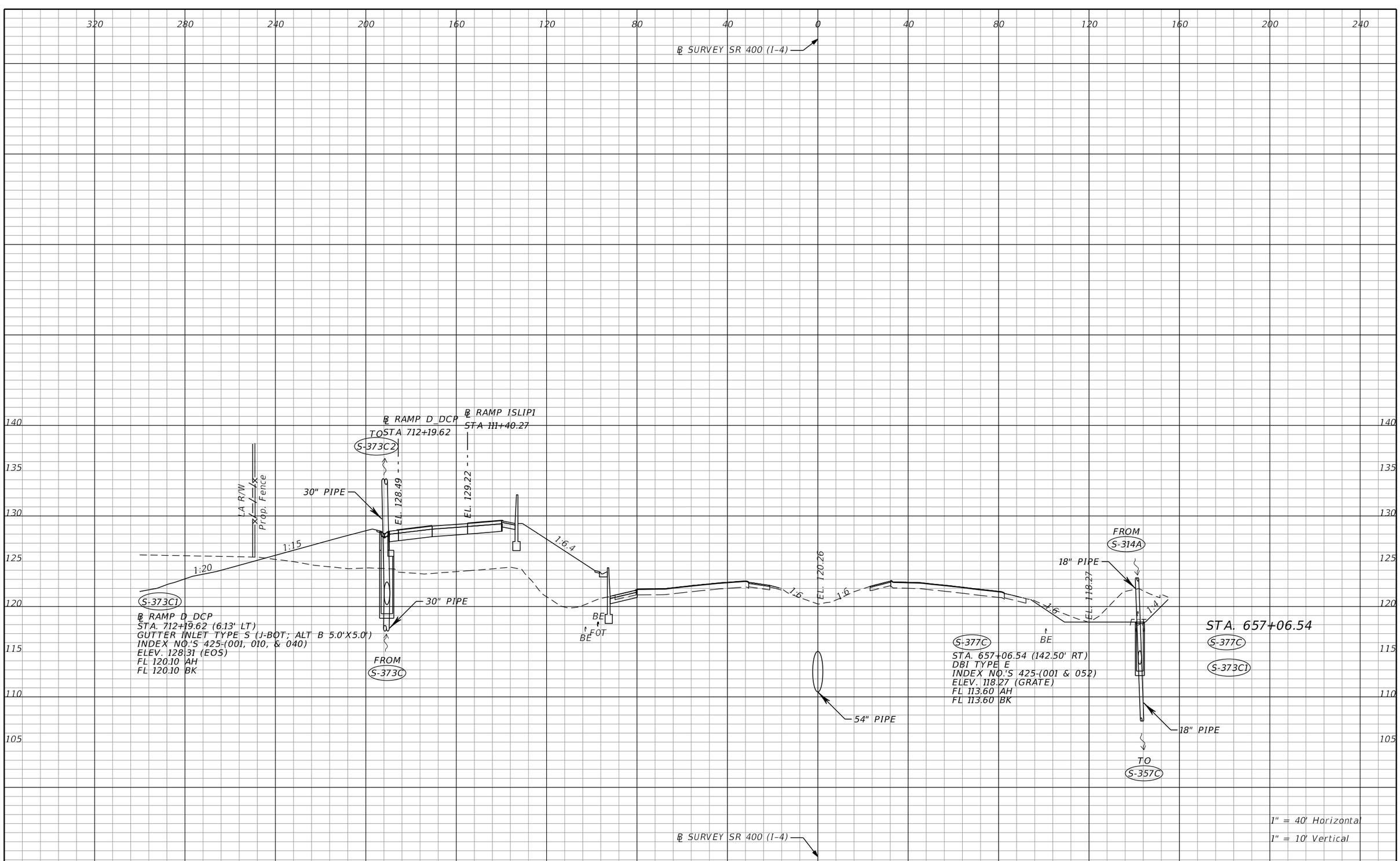
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 208

robert.martini 8/22/2019 11:15:31 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 209

robert.martini 8/22/2019 11:15:37 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

℄ SURVEY SR 400 (I-4)

℄ RAMP D_DCP
STA 712+59.01

℄ RAMP ISLIP1
STA 111+80.13

℄ CONST IWBCD2
STA 7065+76.65

TO
S-385C

EL. 128.36

EL. 129.72

30" PIPE

LA R/W
Prop. Fence

1:6

1:15

1:2

30" PIPE

FROM
S-373C1

S-373C2

℄ RAMP D_DCP
STA. 712+59.01 (6.13' LT)
GUTTER INLET TYPE S
I-BOT: ALT B 5.0'X5.0'
INDEX NO.'S 425-(001, 010, & 040)
ELEV. 128.18 (EOS)
FL 120.00 AH
FL 120.00 BK

EL. 119.00

1:6

1:4

STA. 657+46.34

S-373C2

℄ SURVEY SR 400 (I-4)

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

140 135 130 125 120 115 110

1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

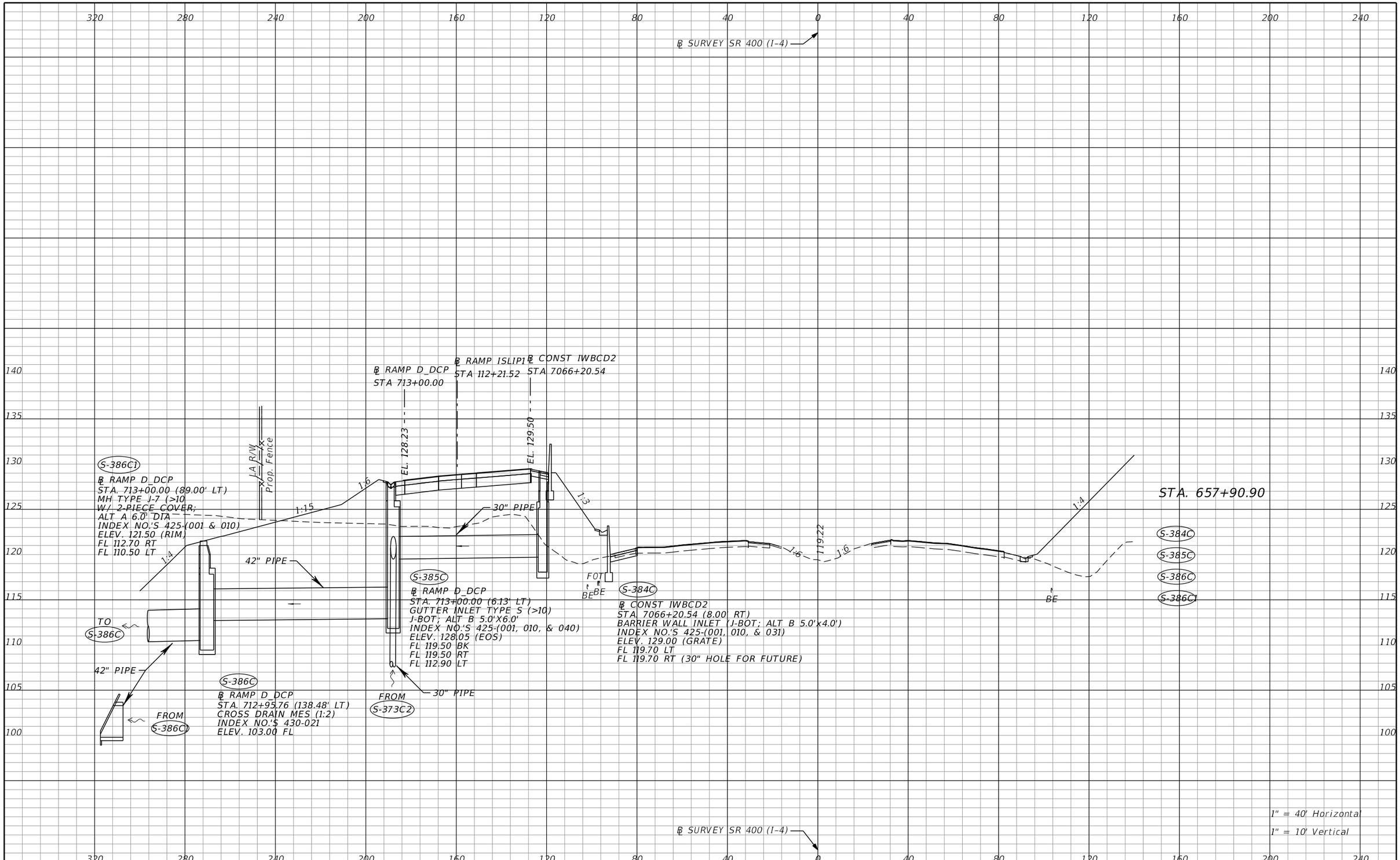
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 210

robert.martini 8/22/2019 11:15:44 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

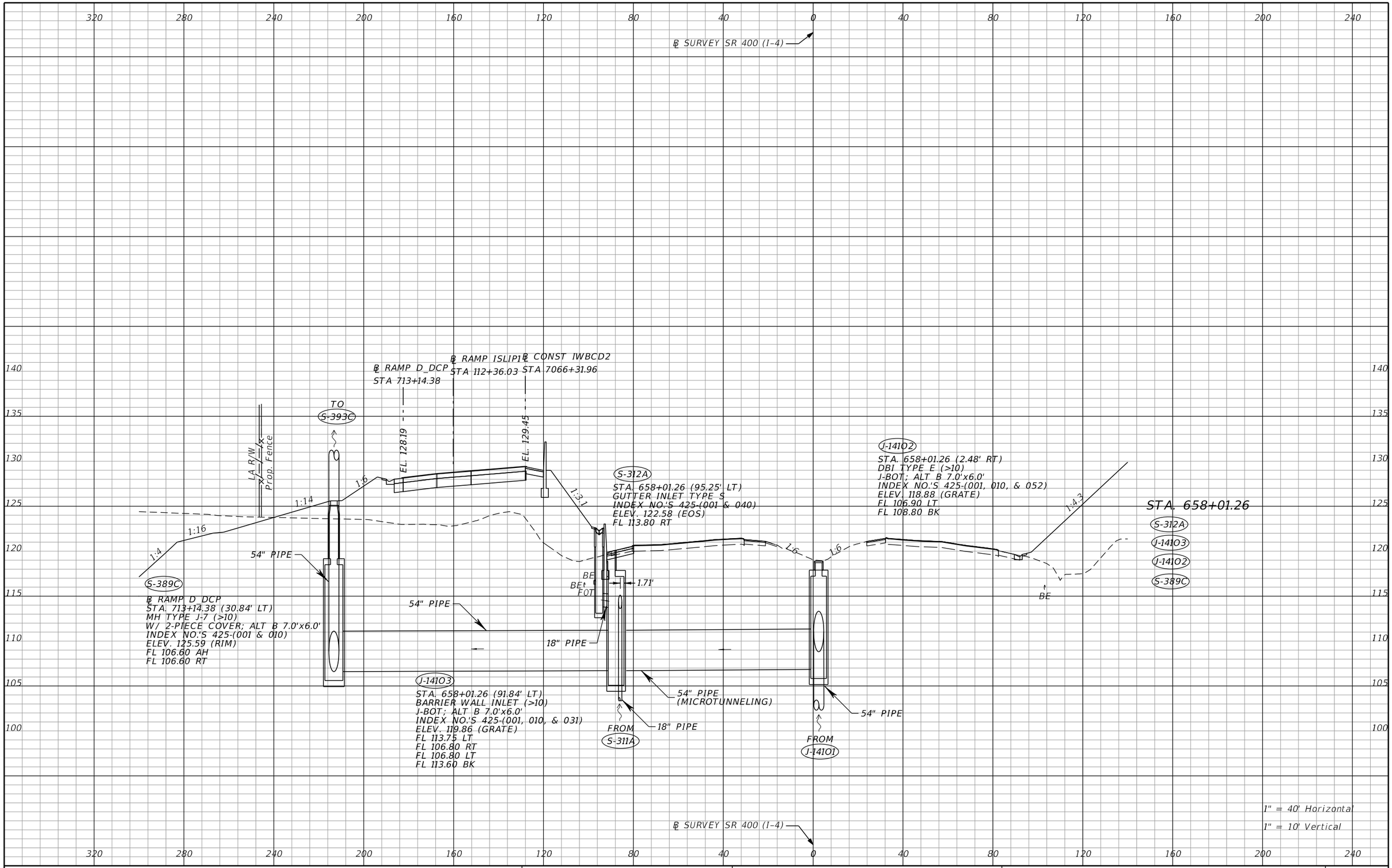
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO.
211

robert.martini 8/22/2019 11:15:50 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

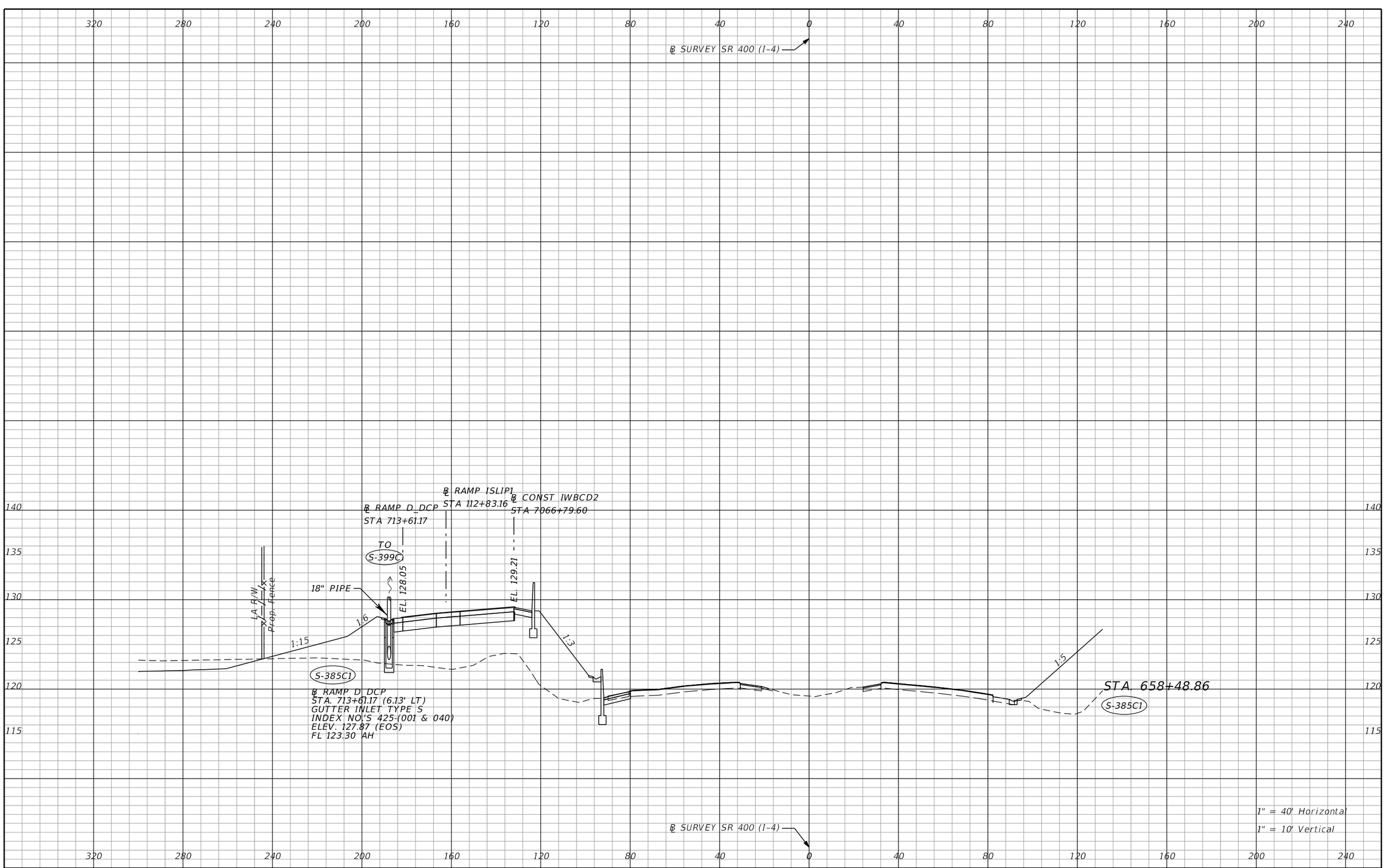
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 212

robert.martini 8/22/2019 11:15:56 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

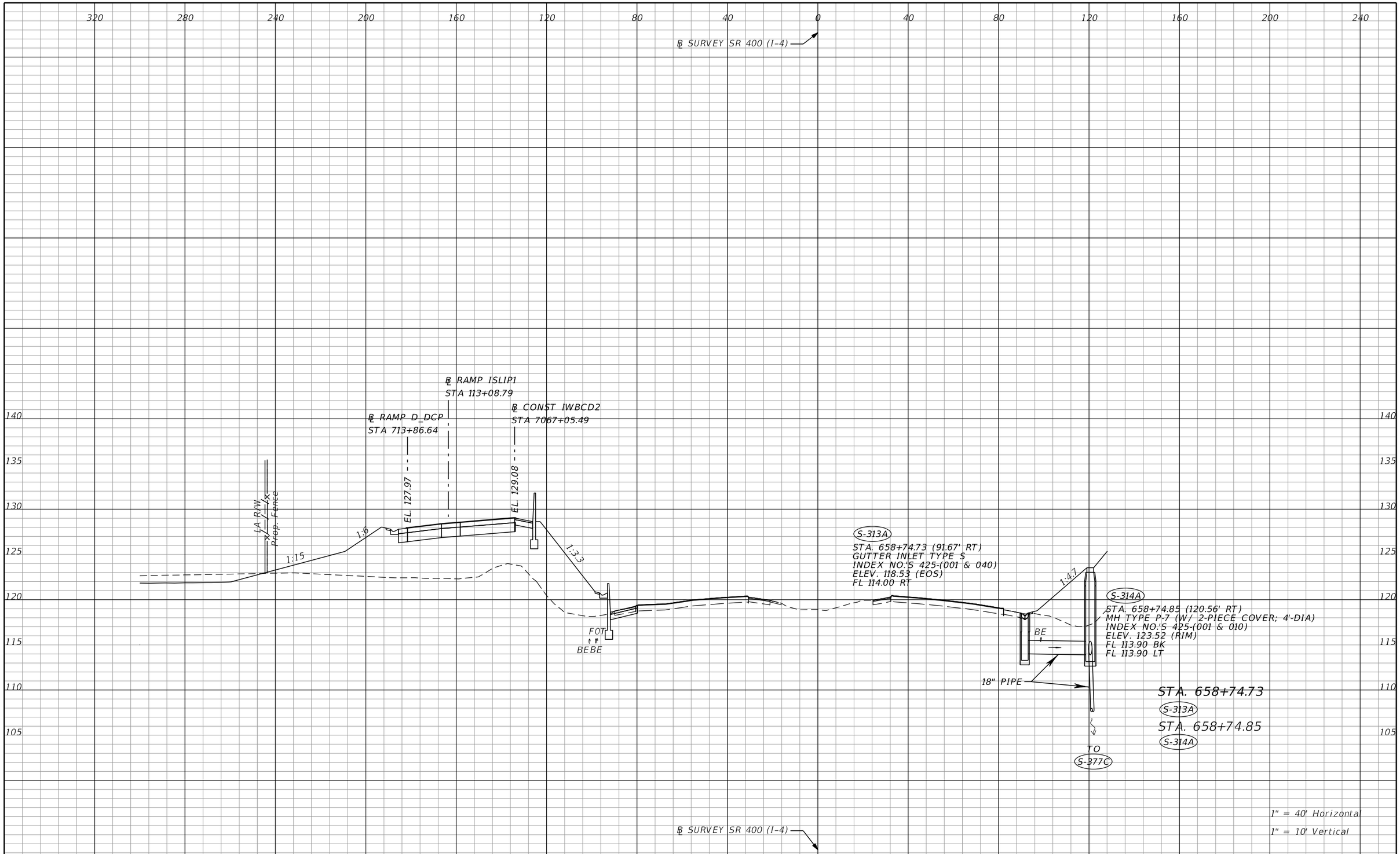
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 213

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:16:02 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 214

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:16:08 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

℄ SURVEY SR 400 (I-4)

℄ RAMP ISLIP1
STA 113+14.73

℄ CONST IWBCD2
STA 7067+11.49

℄ RAMP D_DCP
STA 713+92.55

EL. 127.95

EL. 129.05

1:6

1:3

1:14

1:5

LA R/W

Prop. Fence

S-408C

℄ RAMP D_DCP
STA. 715+49.63 (139.12' LT)
CROSS DRAIN MES (1:2)
INDEX NO.'S 430-021
ELEV. 99.70 FL

S-393C

℄ RAMP D_DCP
STA. 713+92.55 (30.84' LT)
MH TYPE J-7 (>10)
J-BOT ALT A 8.0' DIA
INDEX NO.'S 425-(001 & 010)
ELEV. 126.82 (RIM)
FL 106.50 BK
FL 106.50 LT

FROM S-393C

54" PIPE

TO S-408C

54" PIPE

FROM S-389C

STA. 658+80.72

S-393C

S-408C

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal

1" = 10' Vertical

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

140 135 130 125 120 115 110 105 100

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

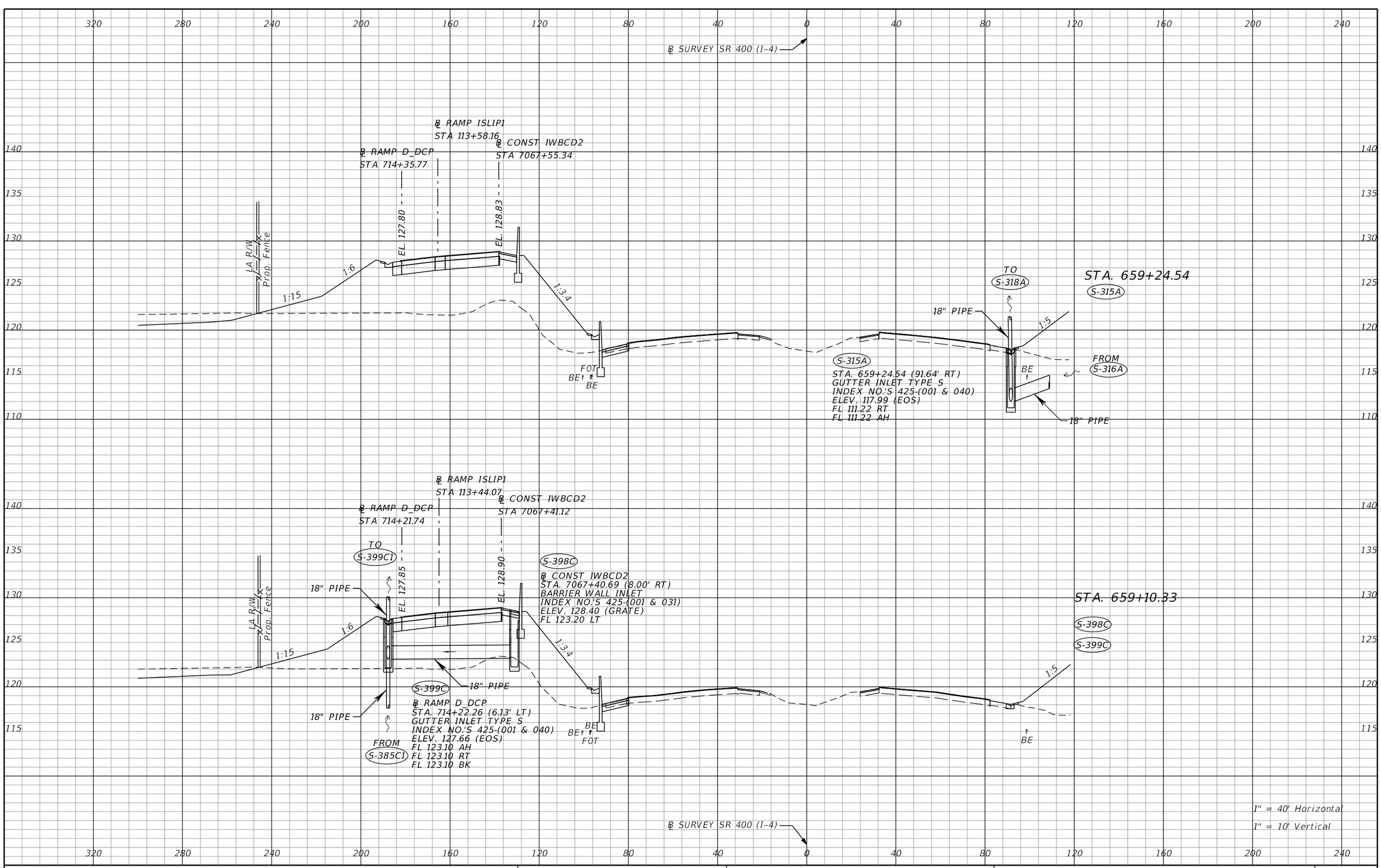
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 215



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

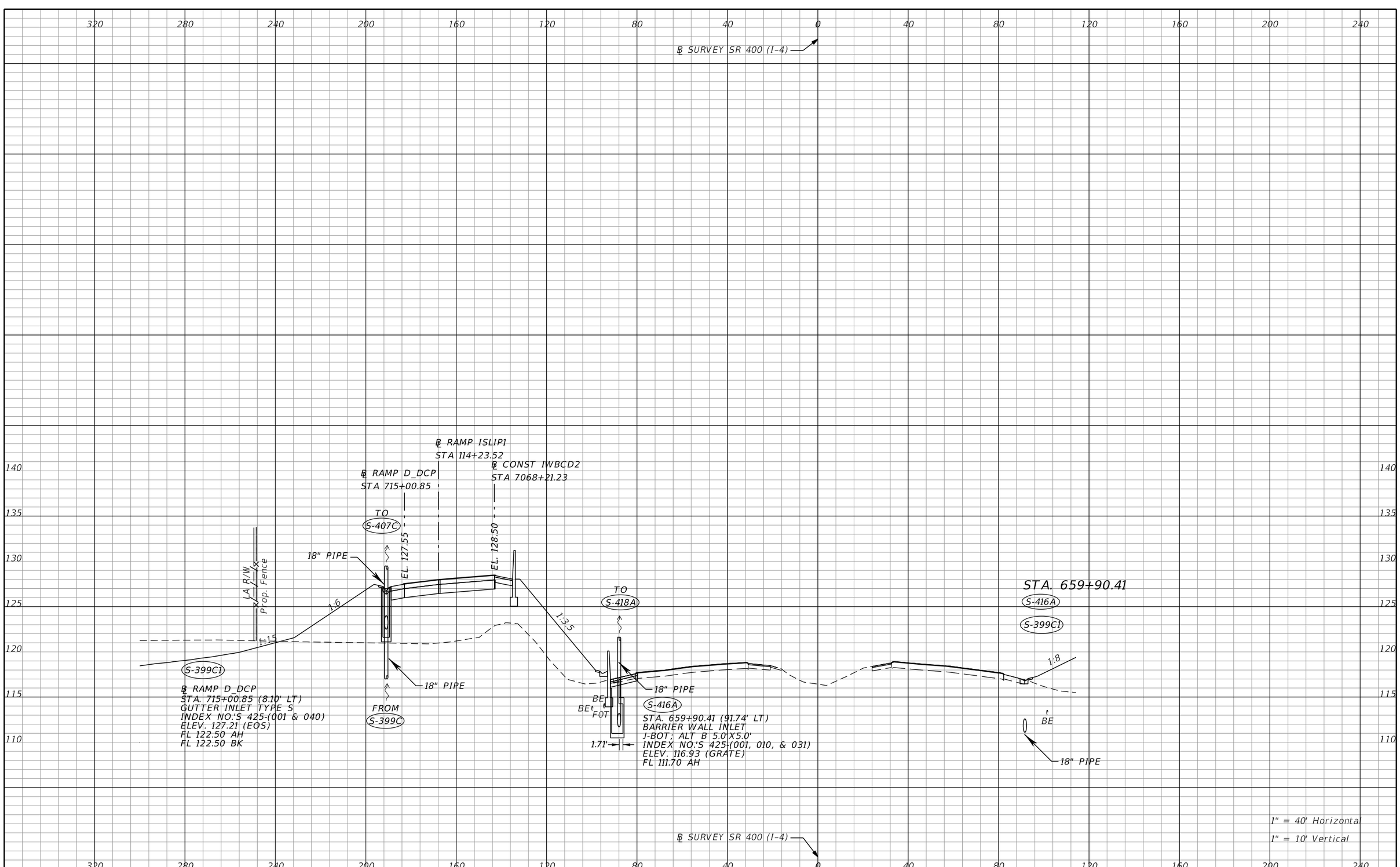
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 216

robert.martini 8/22/2019 11:16:19 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 217

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

℄ SURVEY SR 400 (I-4)

℄ RAMP D_DCP
STA 715+69.89

℄ CONST IWBCD2
STA 7068+90.99

TO
S-407C1

EL. 127.27

EL. 128.15

24" PIPE

LA R/W

Prop. Fence

1:6

1:3.5

18" PIPE

18" PIPE

FROM
S-399C1

S-406C

℄ CONST IWBCD2
STA. 7068+90.94 (8.00' RT)
BARRIER WALL INLET
INDEX NO.'S 425-(001 & 031)
ELEV. 127.65 (GRATE)
FL 122.20 LT

BE
FOTBE

S-407C

℄ RAMP D_DCP
STA. 715+69.56 (9.71' LT)
GUTTER INLET TYPE S (J-BOT; ALT B 4.0'X5.0')
INDEX NO.'S 425-(001, 010, & 040)
ELEV. 126.75 (EOS)
FL 122.10 RT
FL 122.10 BK
FL 121.60 AH

STA. 660+60.17

TO
S-320A

S-318A

S-406C

S-407C

18" PIPE

1:15

BE

18" PIPE

FROM
S-315A

S-318A

STA. 660+60.17 (91.59' RT)
GUTTER INLET TYPE S
INDEX NO.'S 425-(001 & 040)
ELEV. 116.23 (EOS)
FL 111.00 AH
FL 111.00 BK

℄ SURVEY SR 400 (I-4)

140 135 130 125 120 115 110 105 100

1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 218

robert.martini 8/22/2019 11:16:31 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

℄ SURVEY SR 400 (I-4)

℄ RAMP D_DCP
STA 716+04.37

℄ CONST IWBCD2
STA 7069+25.80

EL. 127.12

EL. 127.98

LA R/W

Prop. Fence

1:6

1:3.5

TO
S-420A

18" PIPE

FOT
BE
BE

18" PIPE

1.71'
3.29'

18" PIPE

FROM
S-416A

S-417A
STA. 660+94.99 (95.04' LT)
GUTTER INLET TYPE S
INDEX NO.'S 425-(001 & 040)
ELEV. 115.30 (EOS)
FL 109.60 RT

S-418A
STA. 660+94.99 (91.68' LT)
BARRIER WALL INLET
J-BOT; ALT B 5.0'X5.0'
INDEX NO.'S 425-(001, 010, & 031)
ELEV. 115.29 (GRATE)
FL 110.00 BK
FL 109.50 LT
FL 109.00 AH

STA. 660+94.99
S-417A
S-418A

1:25

BE

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal
1" = 10' Vertical

140 135 130 125 120 115 110 105 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 219

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:16:35 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

℄ SURVEY SR 400 (I-4)

℄ RAMP D_DCP
STA 716+78.24

℄ CONST IWBCD2
STA 7070+00.01

TO S-416C

EL. 126.76

EL. 127.61

24" PIPE

L A R/W

Prop. Fence

1:6

1:3

1:15

1:4

1:4

EL. 113.94

24" PIPE

FROM S-407C

FOT

BE

S-407C1

℄ RAMP D_DCP
STA. 716+78.24 (10.12' LT)
GUTTER INLET TYPE S (J-BOT; ALT B 4.0'X5.0')
INDEX NO.'S 425-(001, 010, & 040)
ELEV. 126.22 (EOS)
FL 121.00 AH
FL 121.00 BK

S-320A

STA. 661+71.93 (91.59' RT)
GUTTER INLET TYPE S
INDEX NO.'S 425-(001 & 040)
ELEV. 114.41 (EOS)
FL 109.00 AH
FL 109.00 BK

TO S-322A

18" PIPE

1:351

STA. 661+71.93

S-320A

S-407C1

BE

18" PIPE

FROM S-318A

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal

1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

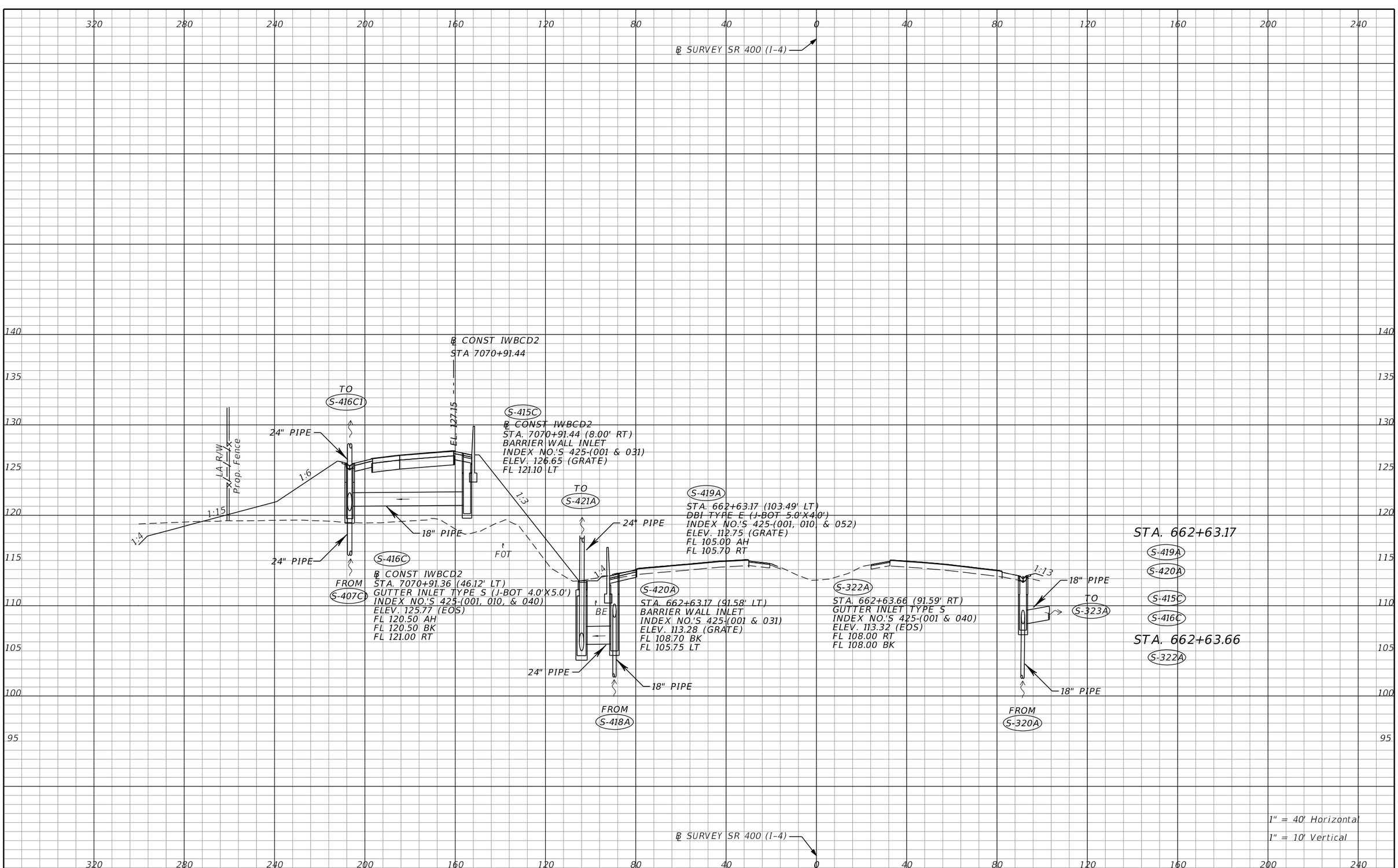
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 220

robert.martini 8/22/2019 11:16:40 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 221

robert.martini 8/22/2019 11:16:45 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

℄ SURVEY SR 400 (I-4)

℄ CONST IWBCD2
STA 7072+00.00

135 130 125 120 115 110 105

TO
S-421C

24" PIPE

EL. 126.61

LA R/W

Prop. Fence

1:6

1:15

1:3

FOT

EL. 111.27

1:6

24" PIPE

FROM
S-416C

S-416C1

℄ CONST IWBCD2
STA. 7072+00.00 (46.12' LT)
GUTTER INLET TYPE S
J-BOT; ALT B 4.0'X5.0'
INDEX NO.'S 425-(001, 010, & 040)
ELEV. 125.22 (EOS)
FL 119.90 AH
FL 119.90 BK

BE

STA. 663+71.42

S-325A

S-416C1

℄ RAMP IC_DCP
STA 618+90.82

TO
S-326A

EL. 111.25

LA R/W

18"
PIPE

1:22

FOT

S-325A

℄ RAMP IC_DCP
STA. 618+90.84 (10.13' RT)
GUTTER INLET TYPE S
INDEX NO.'S 425-(001 & 040)
ELEV. 110.71 (EOS)
FL 105.20 AH

BE

LA R/W

Prop. Fence

1" = 40' Horizontal
1" = 10' Vertical

℄ SURVEY SR 400 (I-4)

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 222

robert.martini 8/22/2019 11:16:49 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

℄ SURVEY SR 400 (I-4)

℄ CONST IWBCD2
STA 7072+91.75

TO
S-421C1

24" PIPE

1:6

1:15

LA R/W

Prop. Fence

18" PIPE

24" PIPE

FROM
S-416C1

S-421C
℄ CONST IWBCD2
STA. 7072+91.75 (46.12' LT)
GUTTER INLET TYPE S
J-BOT; ALT B 4.0'X5.0'
INDEX NO.'S 425-(001, 010, & 040)
ELEV. 124.76 (EOS)
FL 119.90 RT
FL 119.40 BK
FL 119.40 AH

FOT

1:3

TO
S-422A

24" PIPE

1:6

BE

S-421A
STA. 664+62.84 (104.00' LT)
DBI TYPE E
INDEX NO.'S 425-(001 & 052)
ELEV. 109.84 (GRATE)
FL 104.70 AH
FL 104.70 BK

24" PIPE

FROM
S-419A

S-420C
℄ CONST IWBCD2
STA. 7072+91.75 (8.00' RT)
BARRIER WALL INLET
INDEX NO.'S 425-(001 & 031)
ELEV. 125.65 (GRATE)
FL 120.00 LT

FL. 126.15

℄ RAMP IC_DCP
STA 619+81.67

TO
S-327A

18"
PIPE

FL. 110.48

1:6

BE

FOT

S-326A
℄ RAMP IC_DCP
STA. 619+81.61 (10.13' RT)
GUTTER INLET TYPE S
INDEX NO.'S 425-(001 & 040)
ELEV. 109.94 (EOS)
FL 105.00 AH
FL 105.00 BK

18" PIPE

FROM
S-325A

Prop. Fence

LA R/W

STA. 664+62.84

S-421A
S-326A
S-420C
S-421C

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal
1" = 10' Vertical

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

135 130 125 120 115 110 105 100 95

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

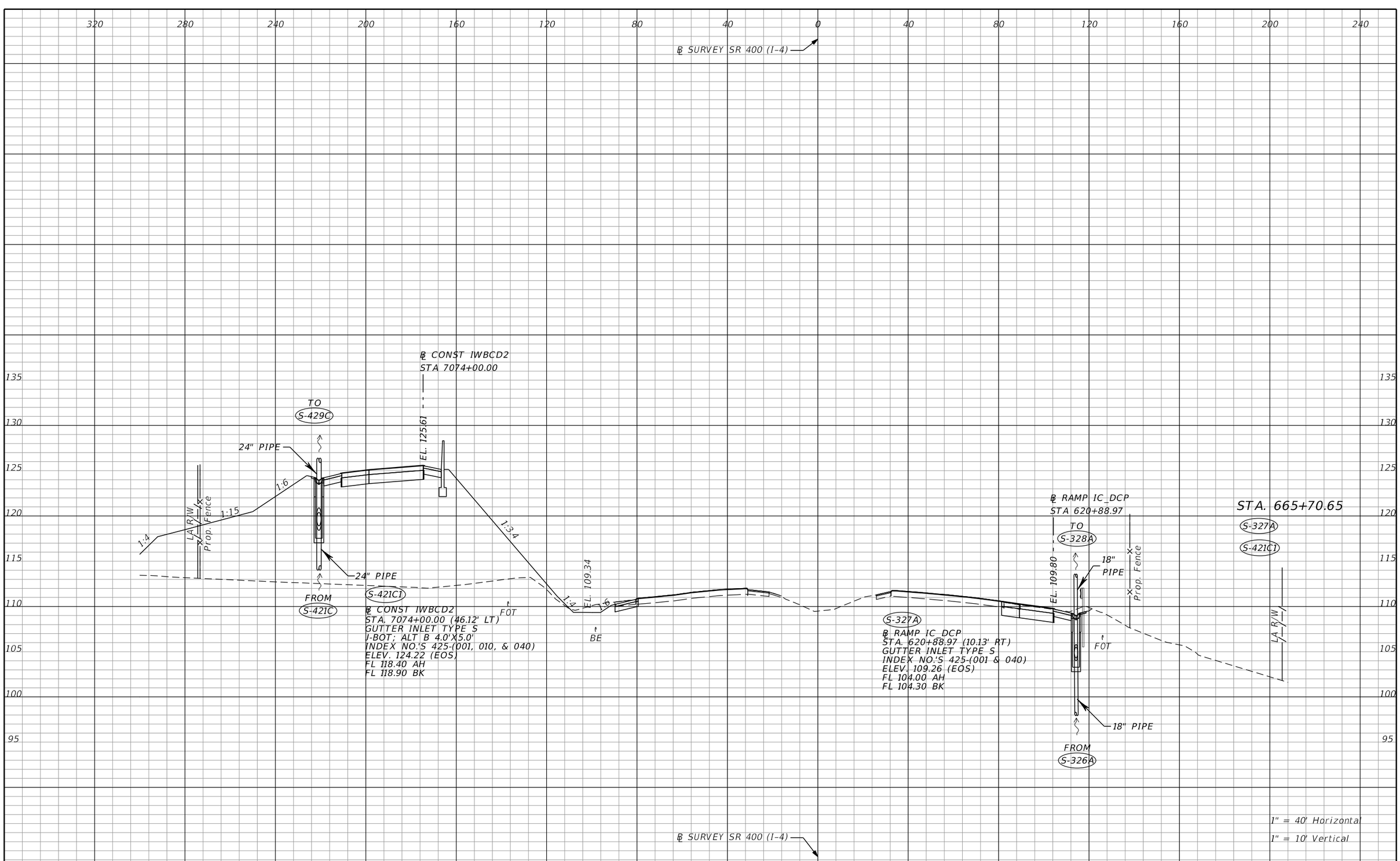
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 223

robert.martini 8/22/2019 11:16:54 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

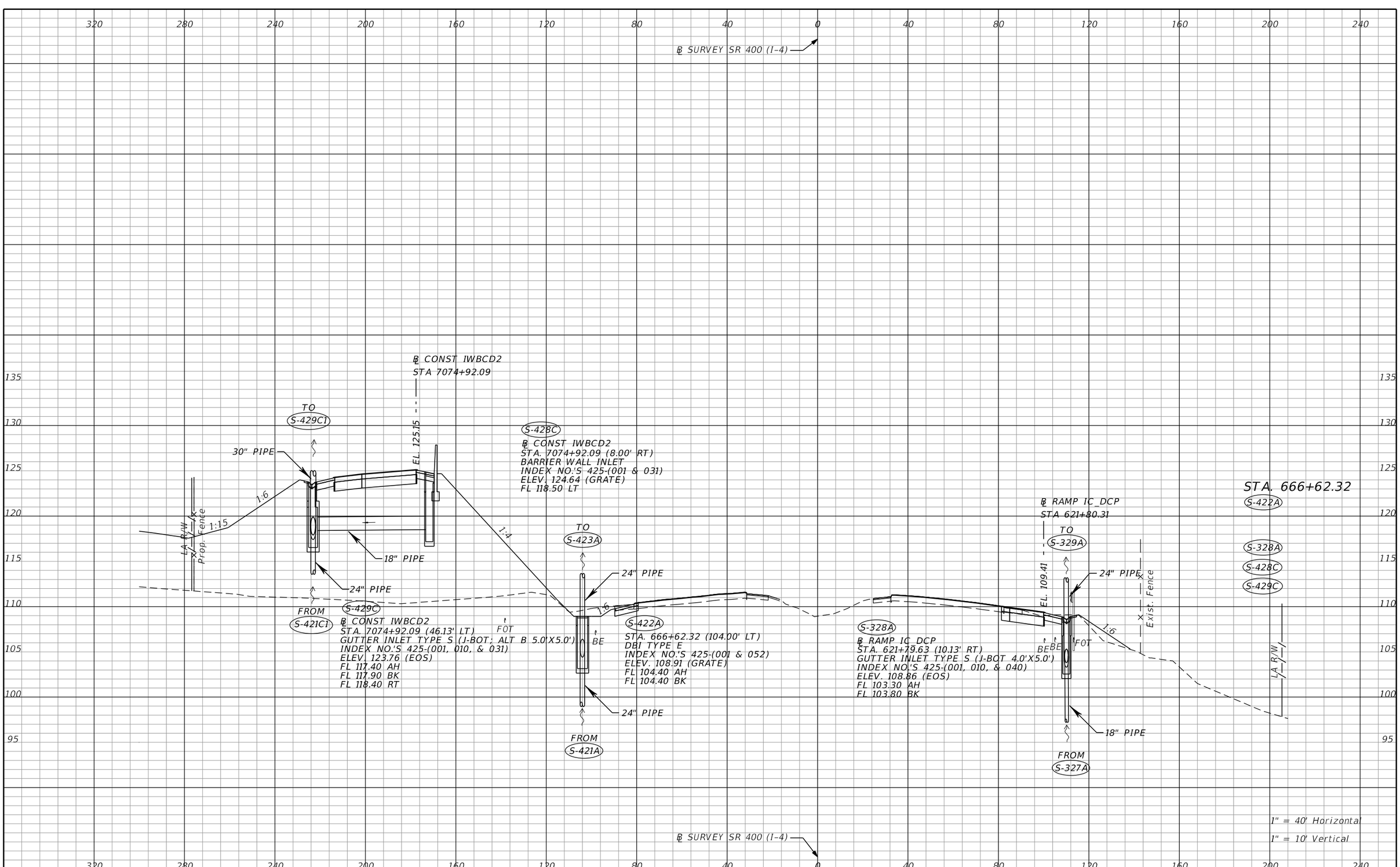
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 224



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

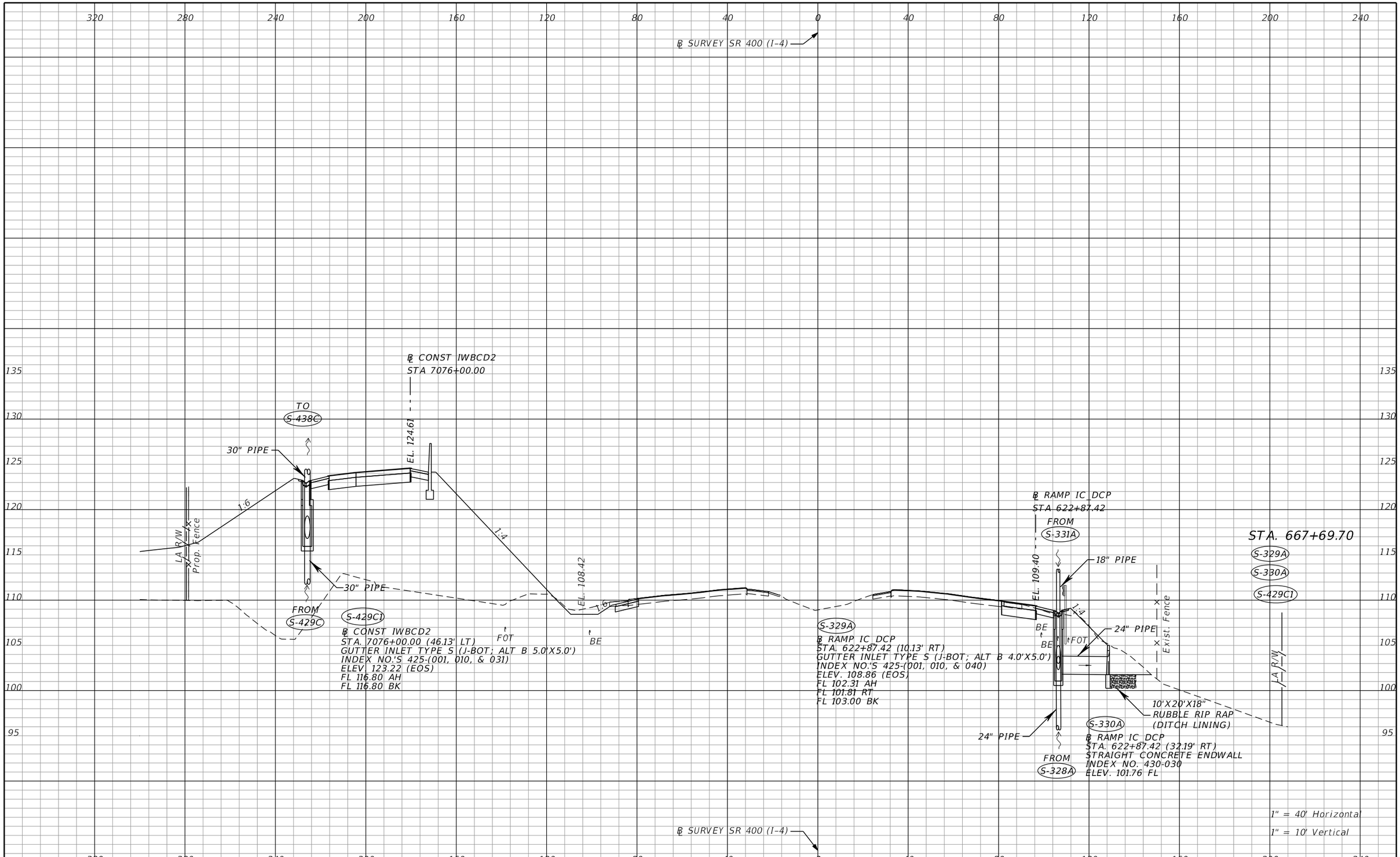
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO.
225

robert.martini 8/22/2019 11:17:03 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

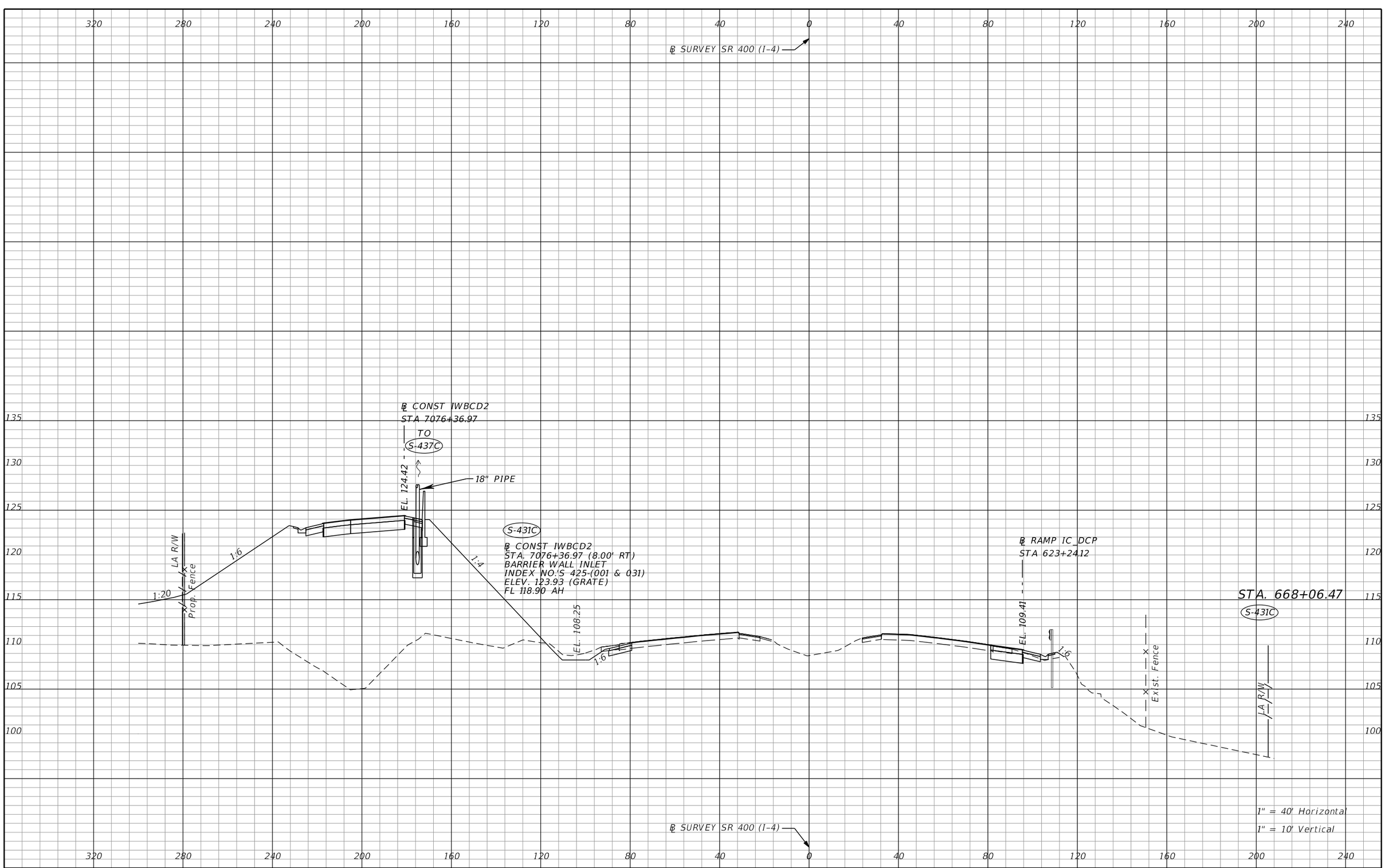
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 226

robert.martini 8/22/2019 11:17:07 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

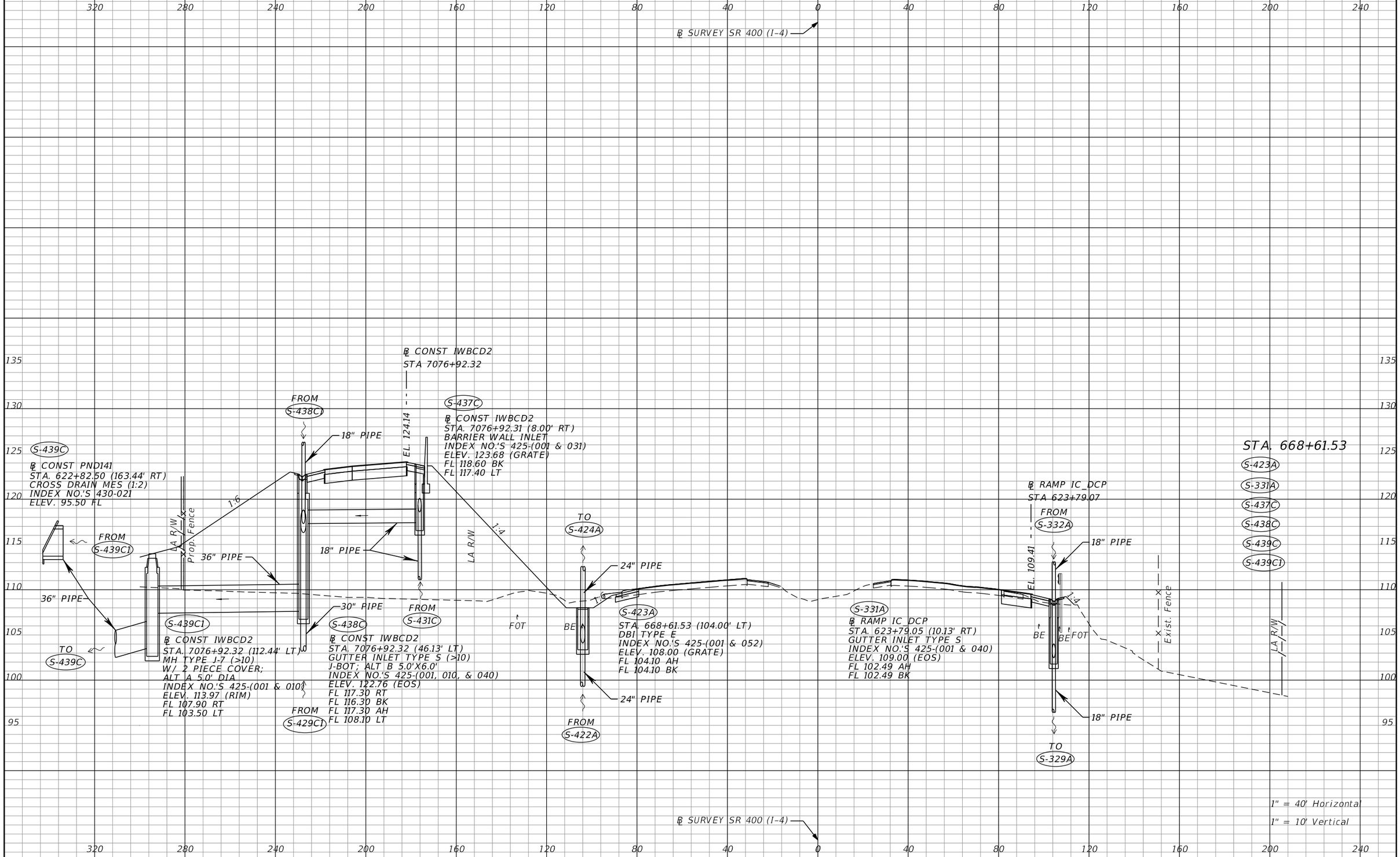
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 227



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

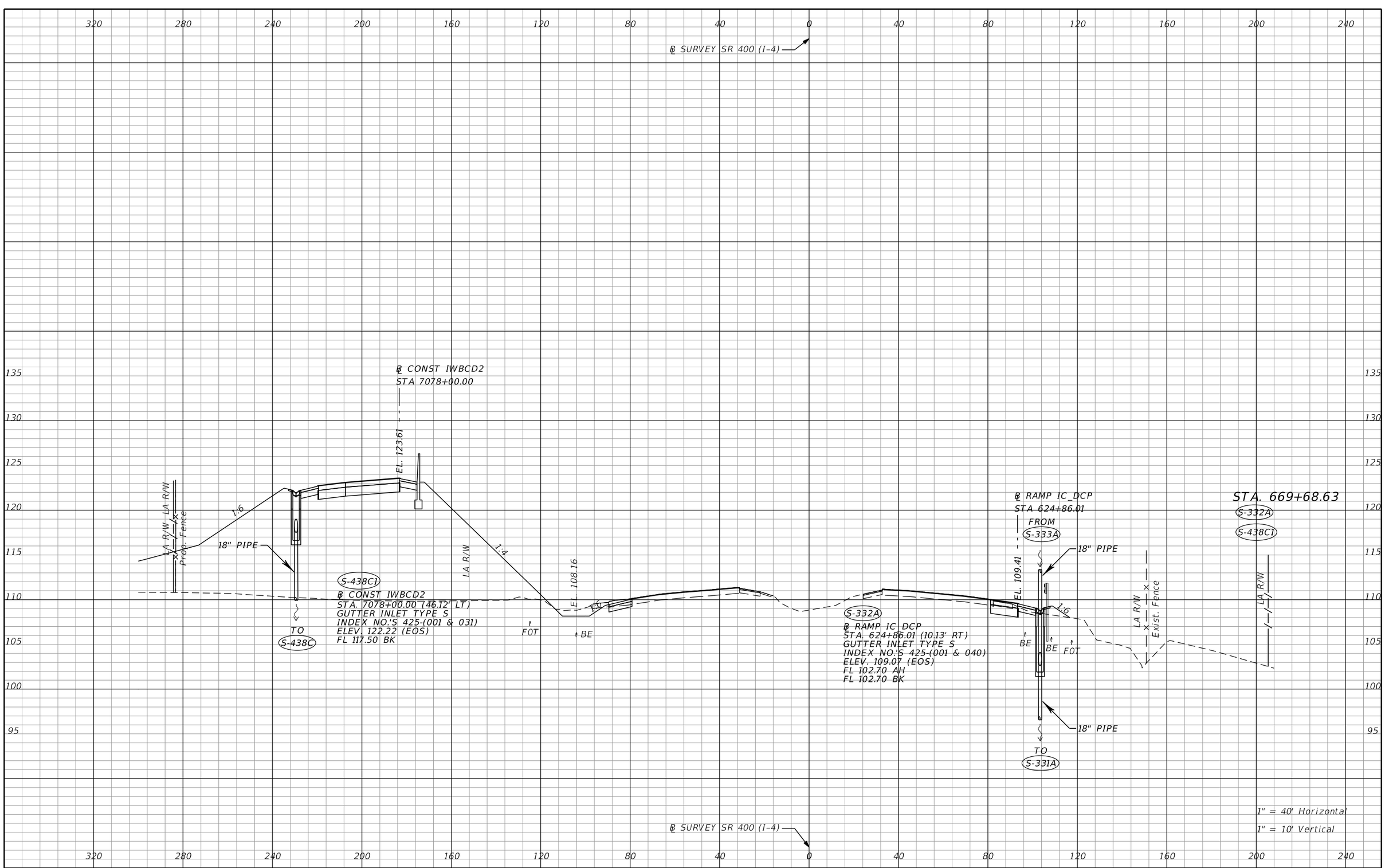
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 228

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:17:16 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

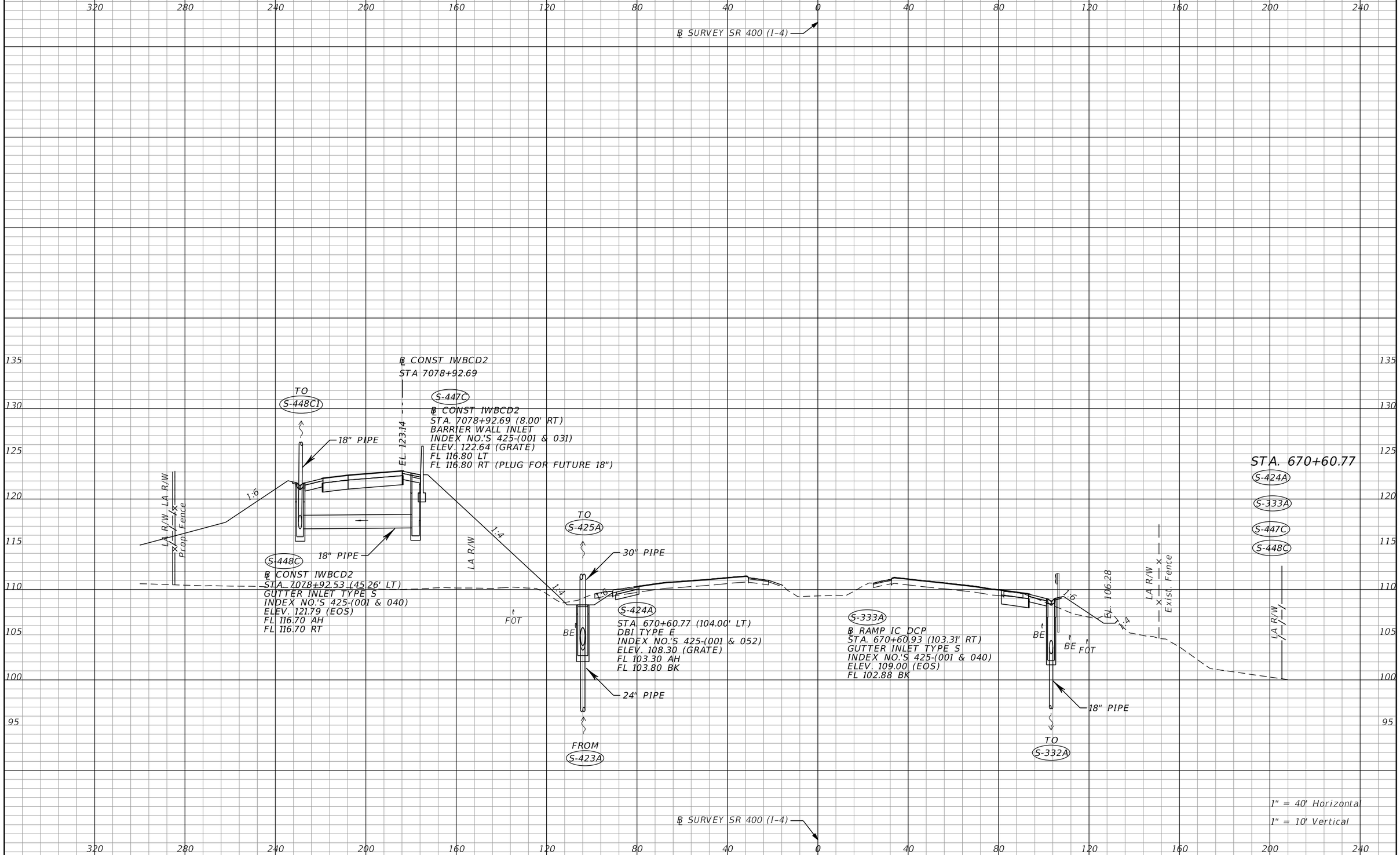
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 229

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:17:21 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

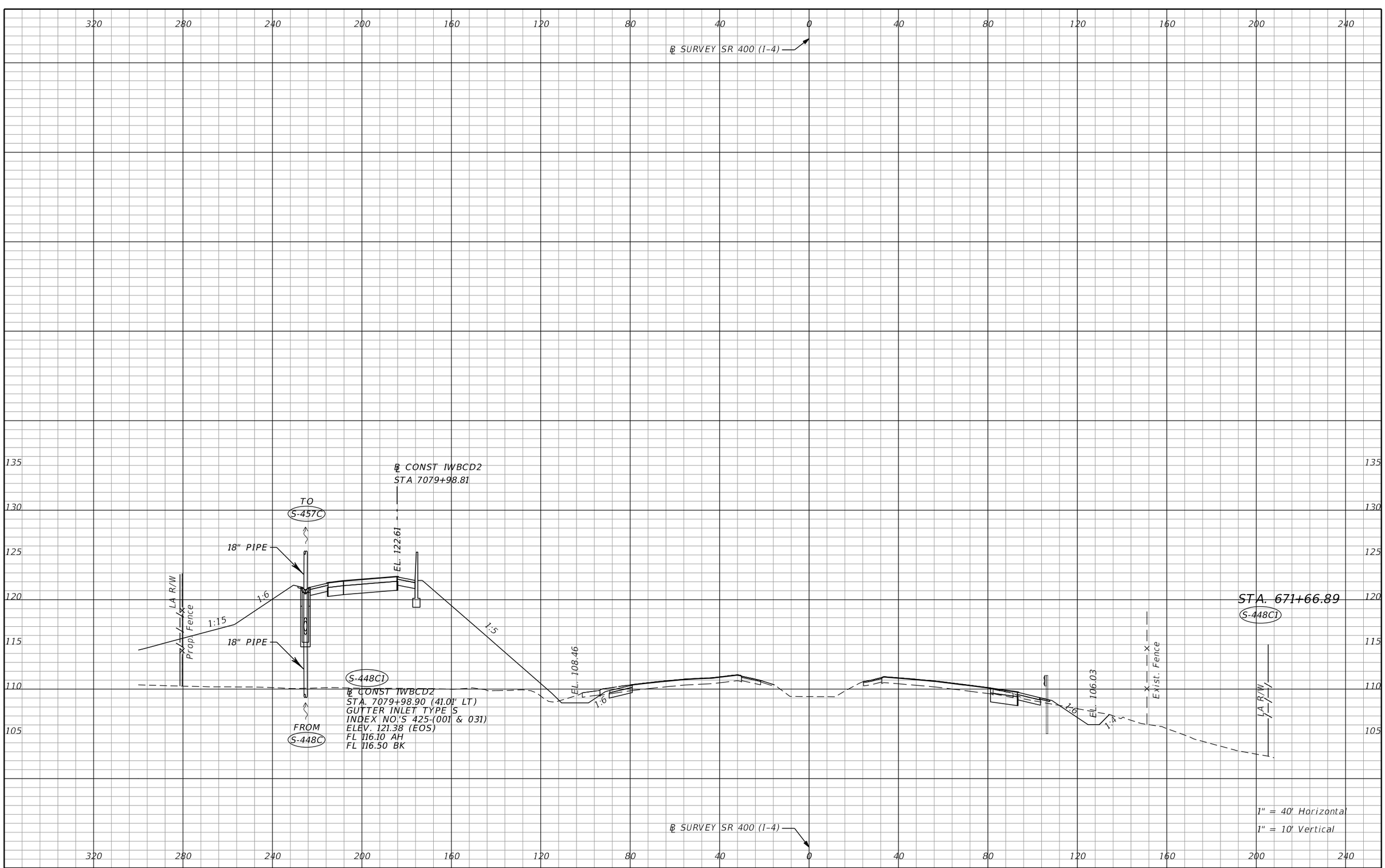
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 230

robert.martini 8/22/2019 11:17:26 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

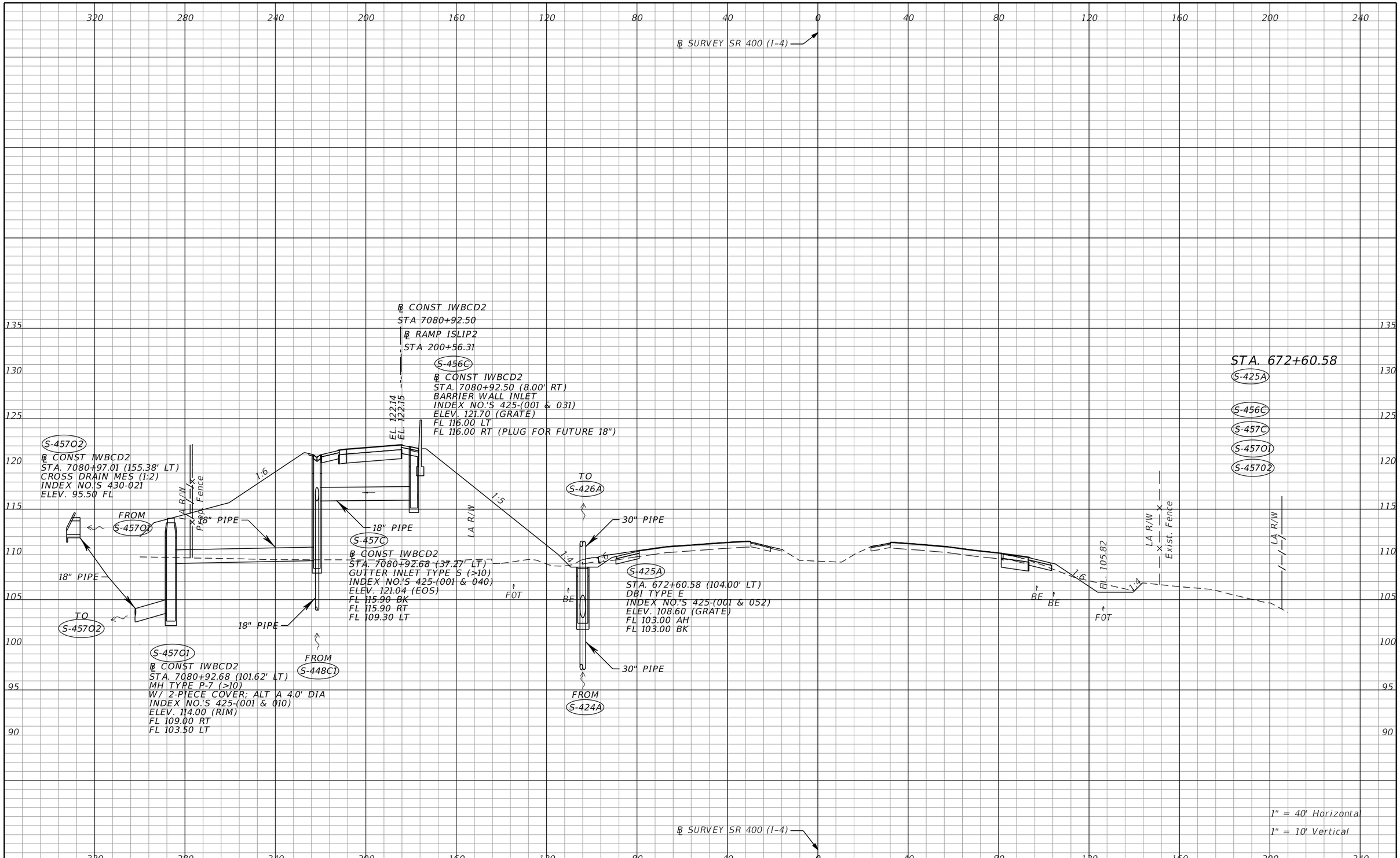
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 231

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:17:30 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO.
232

robert.martini 8/22/2019 11:17:35 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

℄ SURVEY SR 400 (I-4)

℄ CONST IWBCD2
STA 7081+98.55

℄ RAMP ISLIP2
STA 201+62.36

S-457C2

TO
S-466C

℄ CONST IWBCD2
STA. 7081+98.55 (8.00' RT)
BARRIER WALL INLET
INDEX NO.'S 425-(001 & 031)
ELEV. 121.22 (GRATE)
FL 115.70 LT

EL. 121.61
EL. 121.64

LA R/W

Prop. Fence

1:15

18" PIPE

1:6

S-457C1

18" PIPE

℄ CONST IWBCD2
STA. 7081+98.55 (34.13' LT)
GUTTER INLET TYPE S
INDEX NO.'S 425-(001 & 031)
ELEV. 120.69 (EOS)
FL 115.60 AH
FL 115.60 RT

1:5

EL. 108.76

1:4

1:6

1:6

EL. 105.57

1:4

Exist. Fence

LA R/W

STA. 672+60.58
S-457C1
S-457C2

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal
1" = 10' Vertical

135 130 125 120 115 110 105

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 233

℄ SURVEY SR 400 (I-4)

℄ CONST IWBCD2 ℄ RAMP ISLIP2
STA 7082+42.50 STA 202+06.33

TO
S-465C

EL. 121.39
EL. 121.44

18" PIPE S-458C

℄ RAMP ISLIP2
STA. 202+06.33 (3.45' RT)
MH TYPE J-7 (W/ 2-PIECE COVER; ALT B 4.0'x5.0')
INDEX NO.'S 425-(001 & 010)
ELEV. 121.08 (RIM)
FL 114.80 AH

LA R/W
Prop. Fence
1:15
1:6
1:6
LA R/W
1:4
EL. 108.82
1:6
FOT
BE
BE
1:6
EL. 105.47
1:4
LA R/W
Exist. Fence
FOT
FOT

STA. 674+10.58
S-458C
LA R/W

130
125
120
115
110
105

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

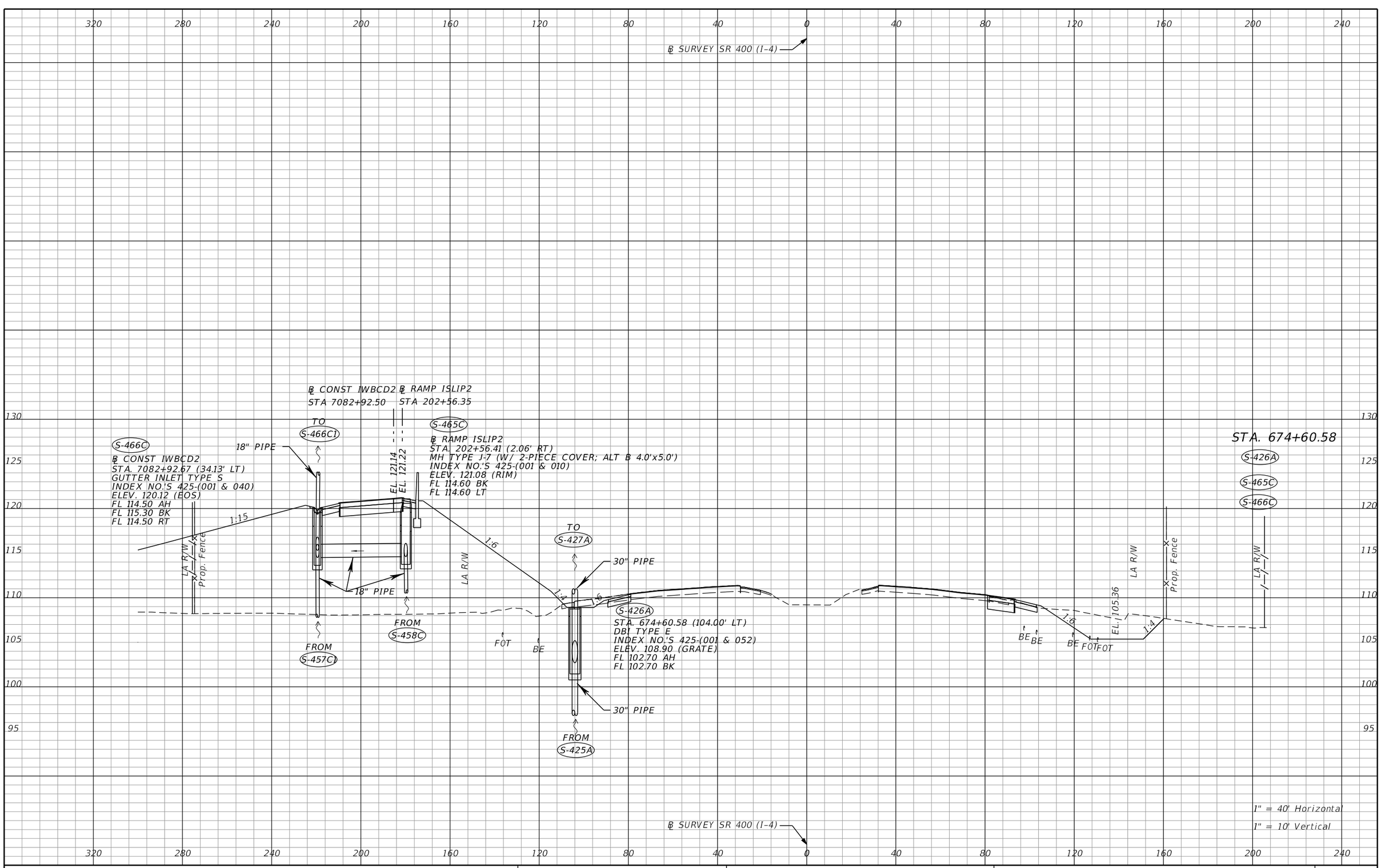
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 234



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

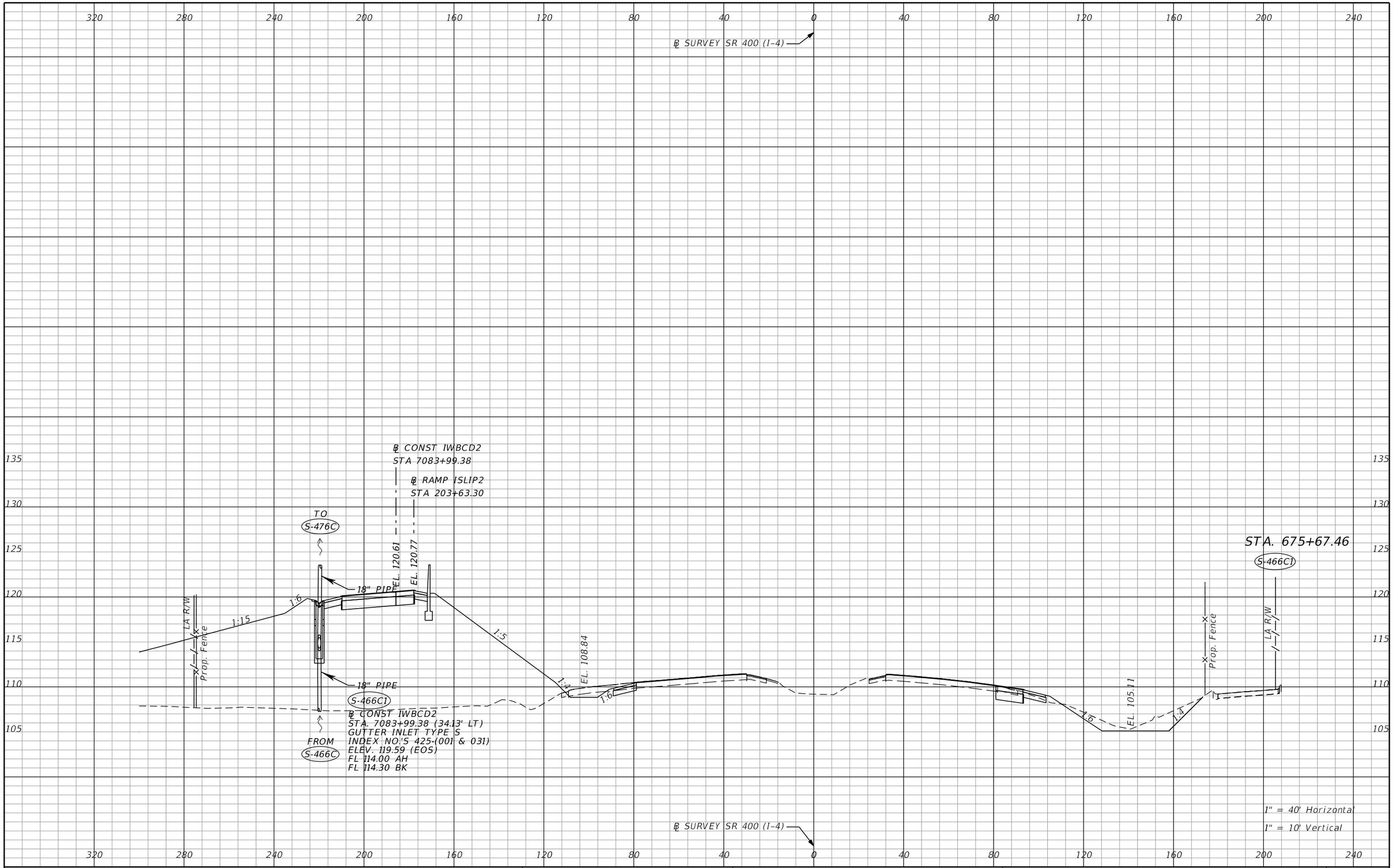
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 235



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

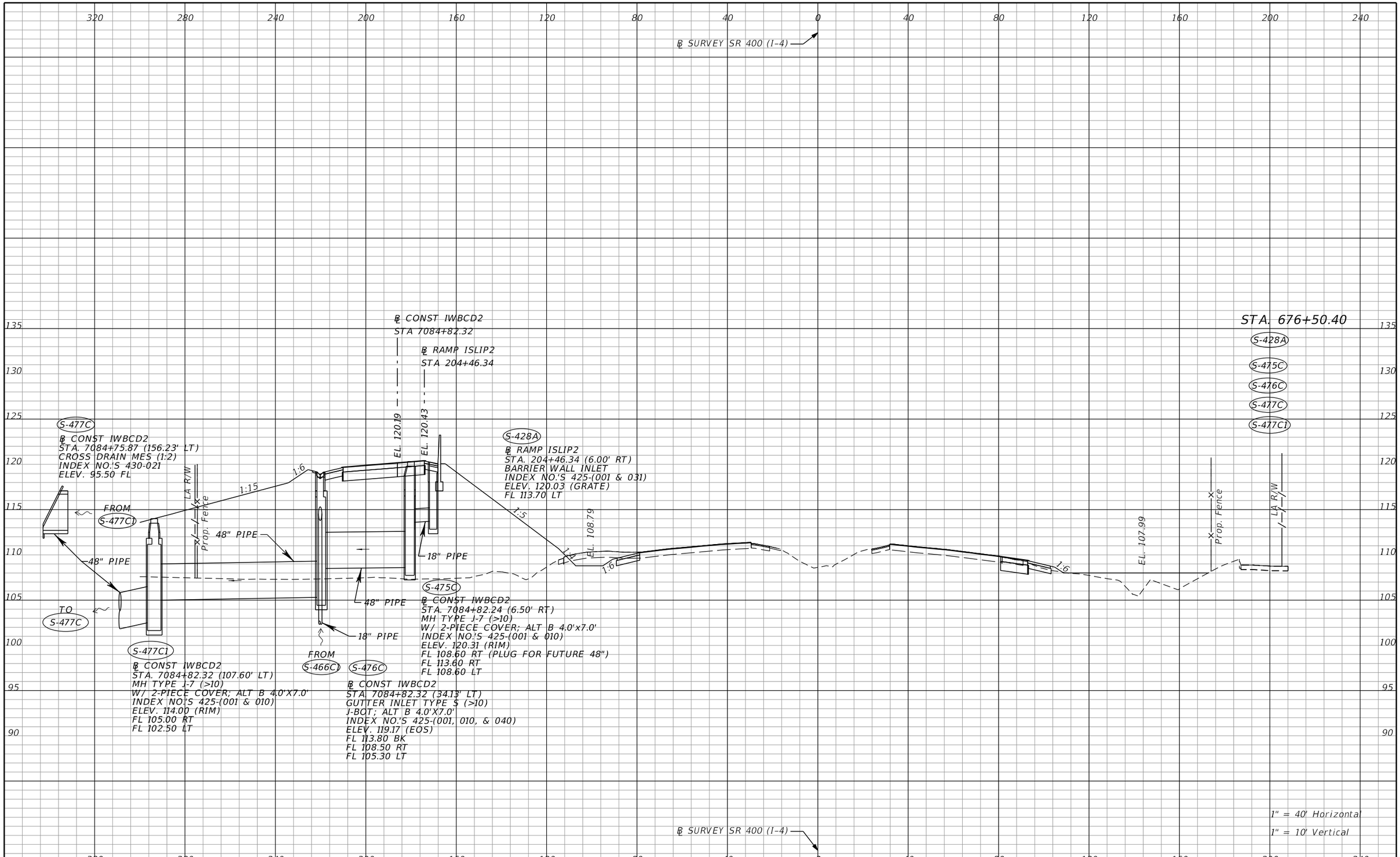
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 236



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

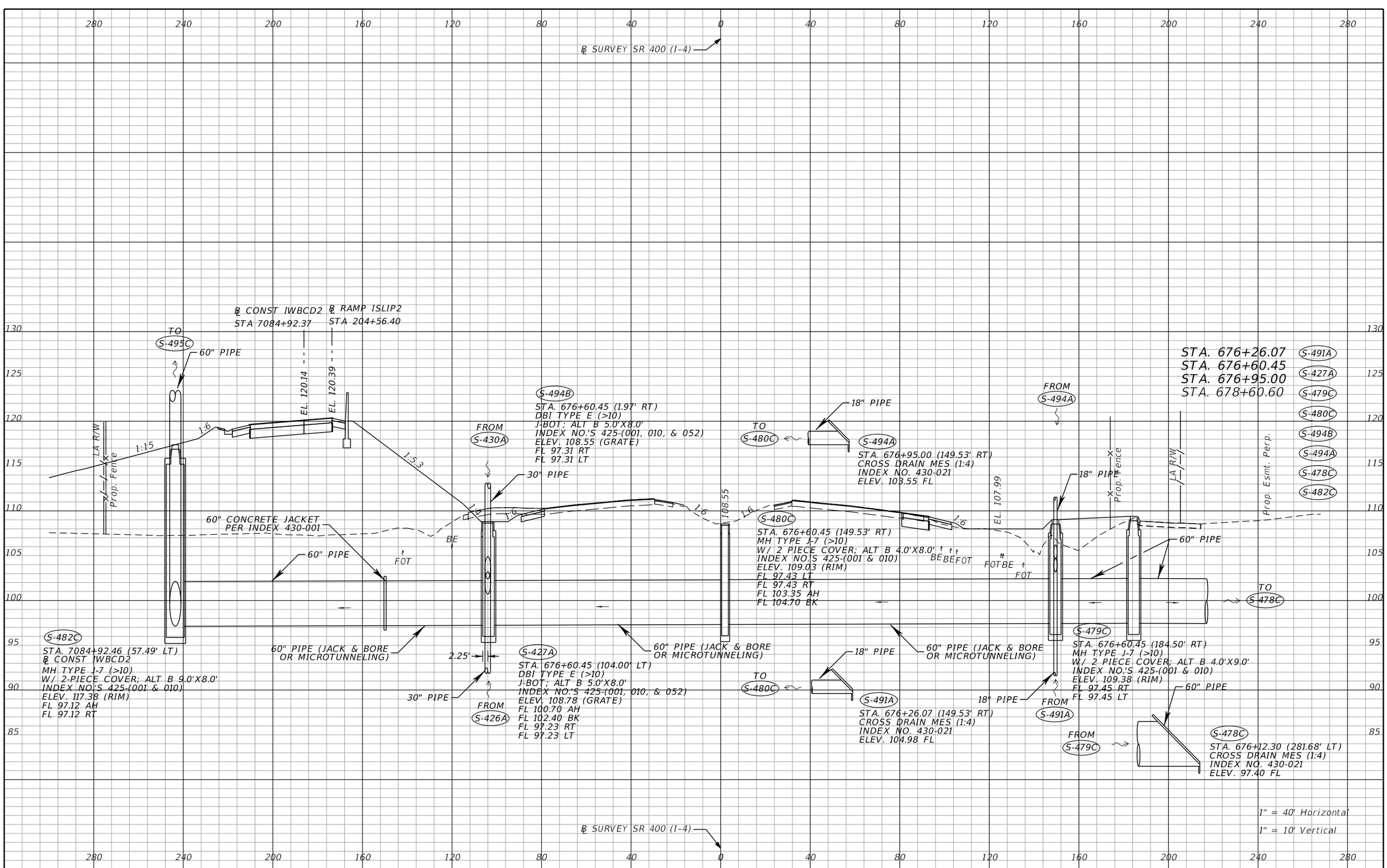
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 237

robert.martini 8/22/2019 11:18:01 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 238

robert.martini 8/22/2019 11:18:02 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

℄ SURVEY SR 400 (I-4)

℄ CONST IWBCD2
STA 7085+98.91

℄ RAMP ISLIP2
STA 205+63.14

TO S-492C

18" PIPE

EL. 119.61

EL. 119.99

LA R/W

Prop. Fence

1:15

1:6

S-476C1

℄ CONST IWBCD2
STA. 7085+98.91 (34.13' LT)
GUTTER INLET TYPE S
INDEX NO.'S 425-001 & 031)
ELEV. 118.59 (EOS)
FL 113.50 AH

1:5

1:4

EL. 108.72

1:0

EL. 104.10

1:6

1:4

Prop. Fence

LA R/W

STA. 677+66.99

S-476C1

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

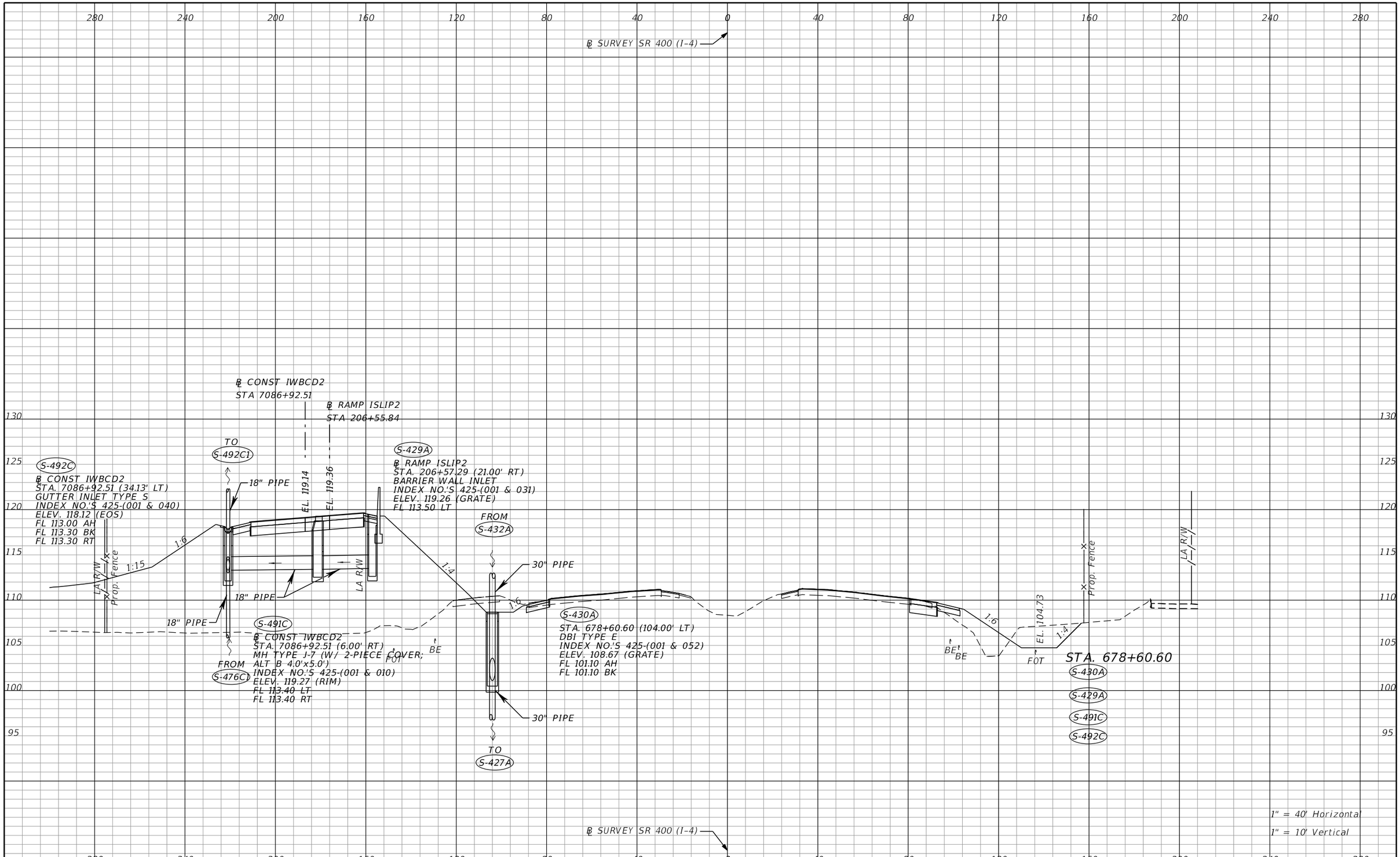
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 239

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:18:06 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

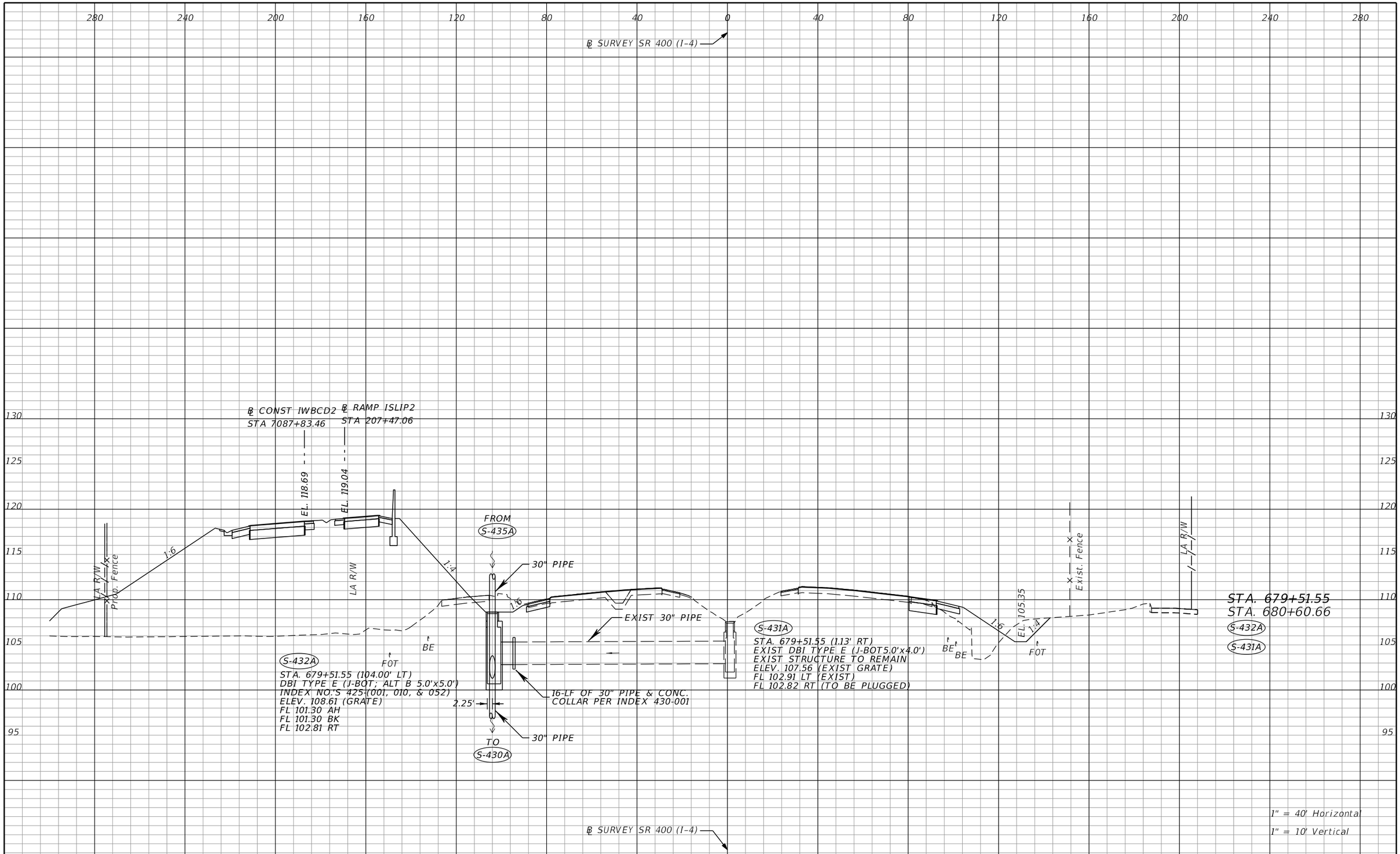
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 240

robert.martini 8/22/2019 11:18:11 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

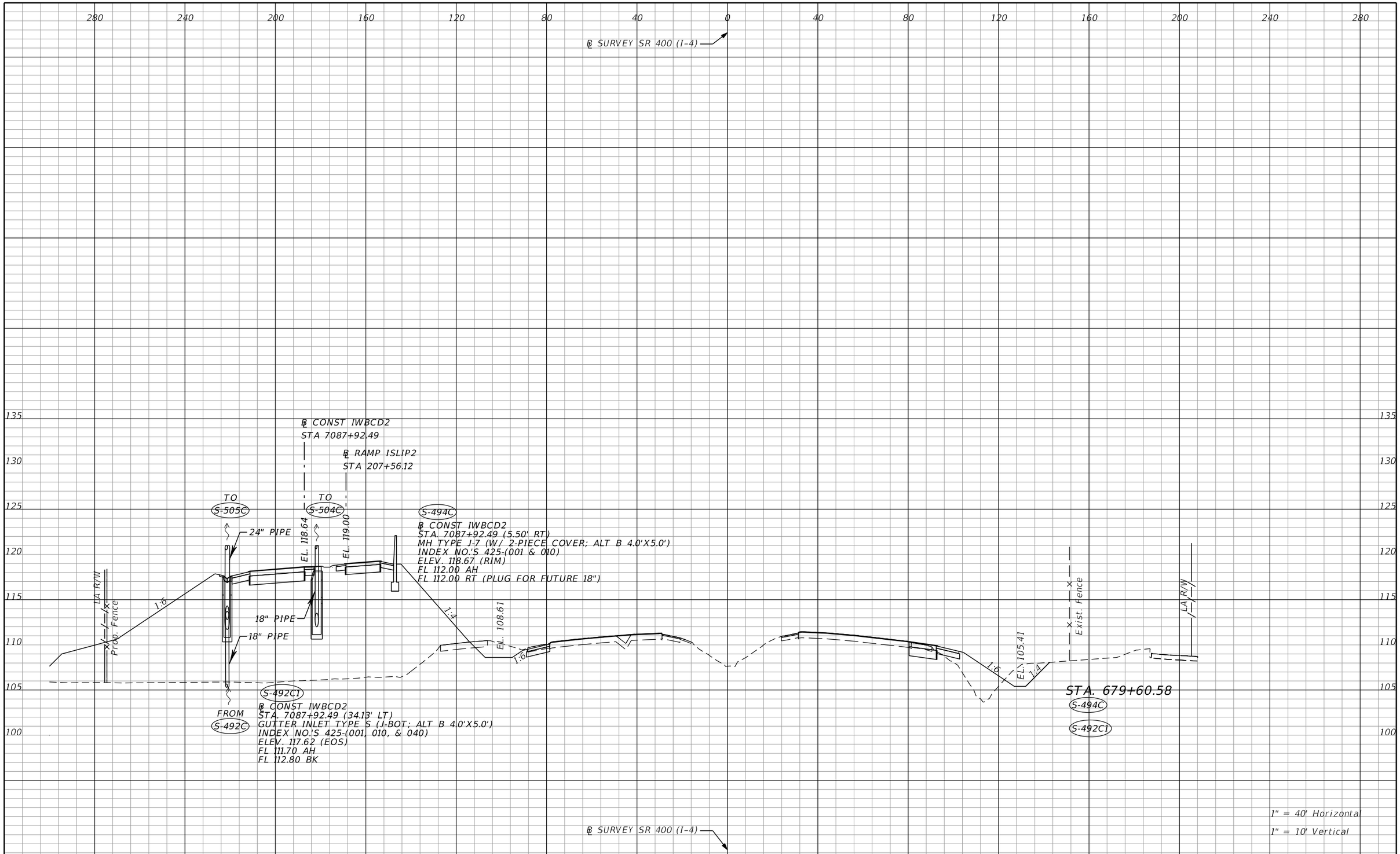
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 241

robert.martini 8/22/2019 11:18:15 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 242

℄ SURVEY SR 400 (I-4)

℄ CONST IWBCD2
STA 7088+36.93

℄ RAMP ISLIP2
STA 208+00.69

TO S-433A

18" PIPE

EL. 118.42

EL. 118.75

1:6

1:3

LA R/W

Prop. Fence

EL. 108.58

1:4

1:6

FOT

LA R/W

Exist. Fence

EL. 105.71

1:6

1:4

FOT

BE

BE

BE

LA R/W

STA. 680+05.02

S-433AI

S-495C

S-496C

S-433AI BE
℄ RAMP ISLIP2
STA. 208+00.00 (11.00' LT)
DBI TYPE E
INDEX NO.'S 425-(001 & 052)
ELEV. 118.15 (GRATE)
FL 112.85 AH

S-495C
℄ CONST IWBCD2
STA. 7088+36.93 (57.49' LT)
MH TYPE J-7 (>10)
W/ 2 PIECE COVER; 9.0'X8.0')
INDEX NO.'S 425-(001 & 010)
ELEV. 114.89 (RIM)
FL 96.78 BK
FL 91.36 LT

60" PIPE

S-496C
℄ CONST IWBCD2
STA. 7088+37.27 (146.72' LT)
CROSS DRAIN MES (1:2)
INDEX NO.'S 430-021
ELEV. 91.00 FL

FROM S-482C

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal
1" = 10' Vertical

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

130 125 120 115 110 105 100 95 90 85 80

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 243

robert.martini 8/22/2019 11:18:24 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

℄ SURVEY SR 400 (I-4)

STA. 680+60.66

S-435A
S-433A
S-434A
S-504C
S-505C

℄ CONST IWBCD2
STA 7088+92.50

℄ RAMP ISLIP2
STA 208+56.42

S-433A

℄ RAMP ISLIP2
STA. 208+55.63 (10.18' LT)
DBI TYPE E
INDEX NO.'S 425-(001 & 052)
ELEV. 117.61 (GRATE)
FL 112.75 BK
FL 111.90 LT
FL 112.60 RT

S-434A

℄ RAMP ISLIP2
STA. 208+57.87 (21.00' RT)
BARRIER WALL INLET
INDEX NO.'S 425-(001 & 031)
ELEV. 118.18 (GRATE)
FL 112.70 LT

S-505C
℄ CONST IWBCD2
STA. 7088+92.50 (34.13' LT)
GUTTER INLET TYPE S
J-BOT; ALT B 4.0'X5.0'
INDEX NO.'S 425-(001, 010, & 040)
ELEV. 117.12 (EOS)
FL 111.20 AH
FL 111.50 BK
FL 111.70 RT

TO S-505C1

EL 118.14

EL 118.29

24" PIPE

1:6

LA R/W

Prop. Fence

24" PIPE

18" PIPE

FROM S-492C1

S-504C

FROM S-494C

FROM S-433A1

18" PIPE

LA R/W

18" PIPE

BE

℄ CONST IWBCD2
STA. 7088+92.50 (8.00' RT)
BARRIER WALL INLET
INDEX NO.'S 425-(001 & 031)
ELEV. 117.64 (GRATE)
FL 111.80 BK
FL 111.80 LT
FL 111.80 RT

1:3

FROM S-436A

30" PIPE

1:4

1:6

18" PIPE

FOT

S-435A

STA. 680+60.66 (104.00' LT)
DBI TYPE E
INDEX NO.'S 425-(001 & 052)
ELEV. 108.55 (GRATE)
FL 101.50 AH
FL 101.50 BK

30" PIPE

TO S-432A

BE

EL. 106.09

1:6

1:4

FOT

BE

LA R/W

Exist. Fence

LA R/W

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal
1" = 10' Vertical

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

130 125 120 115 110 105 100 95

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

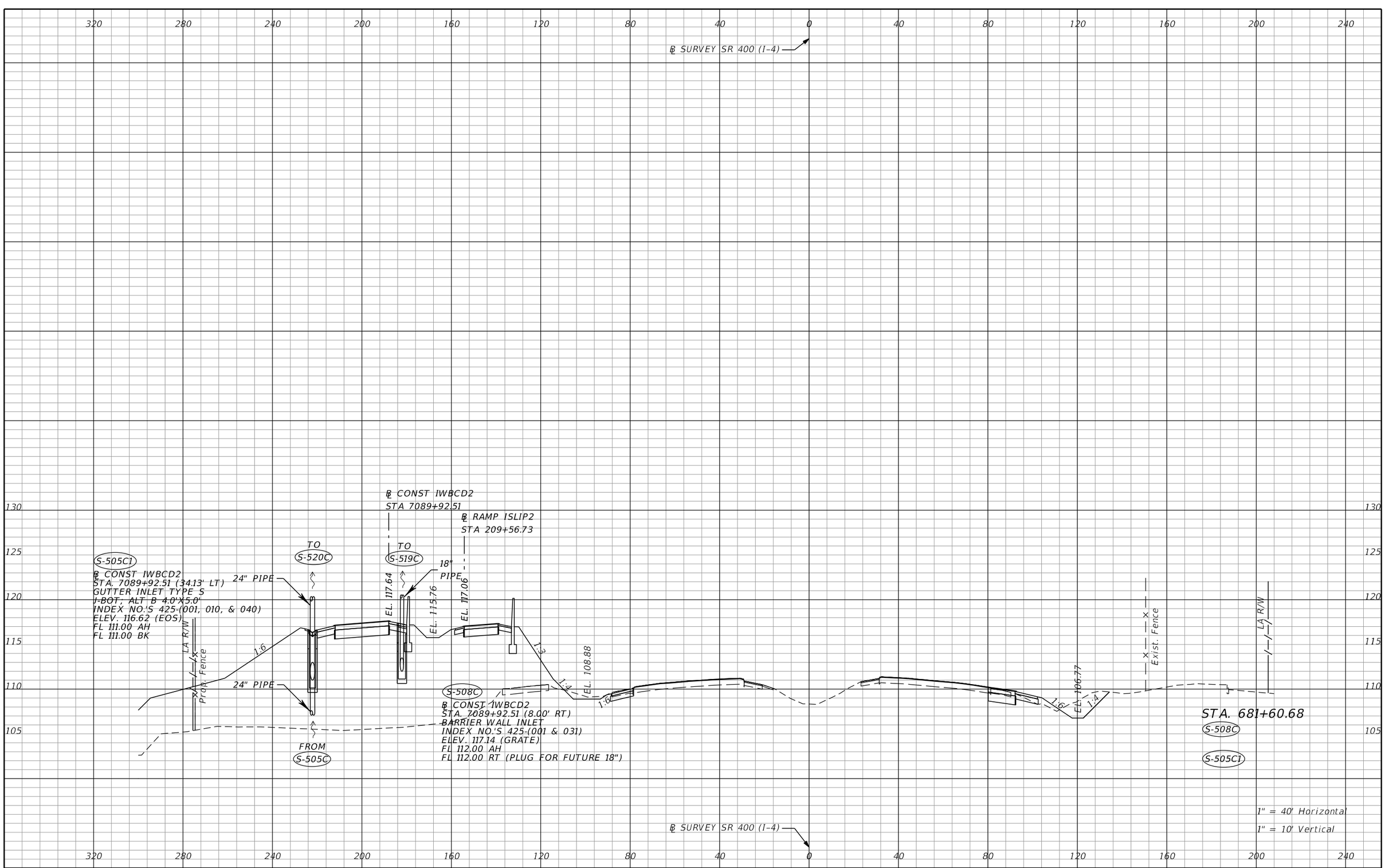
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 244

robert.martini 8/22/2019 11:18:29 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

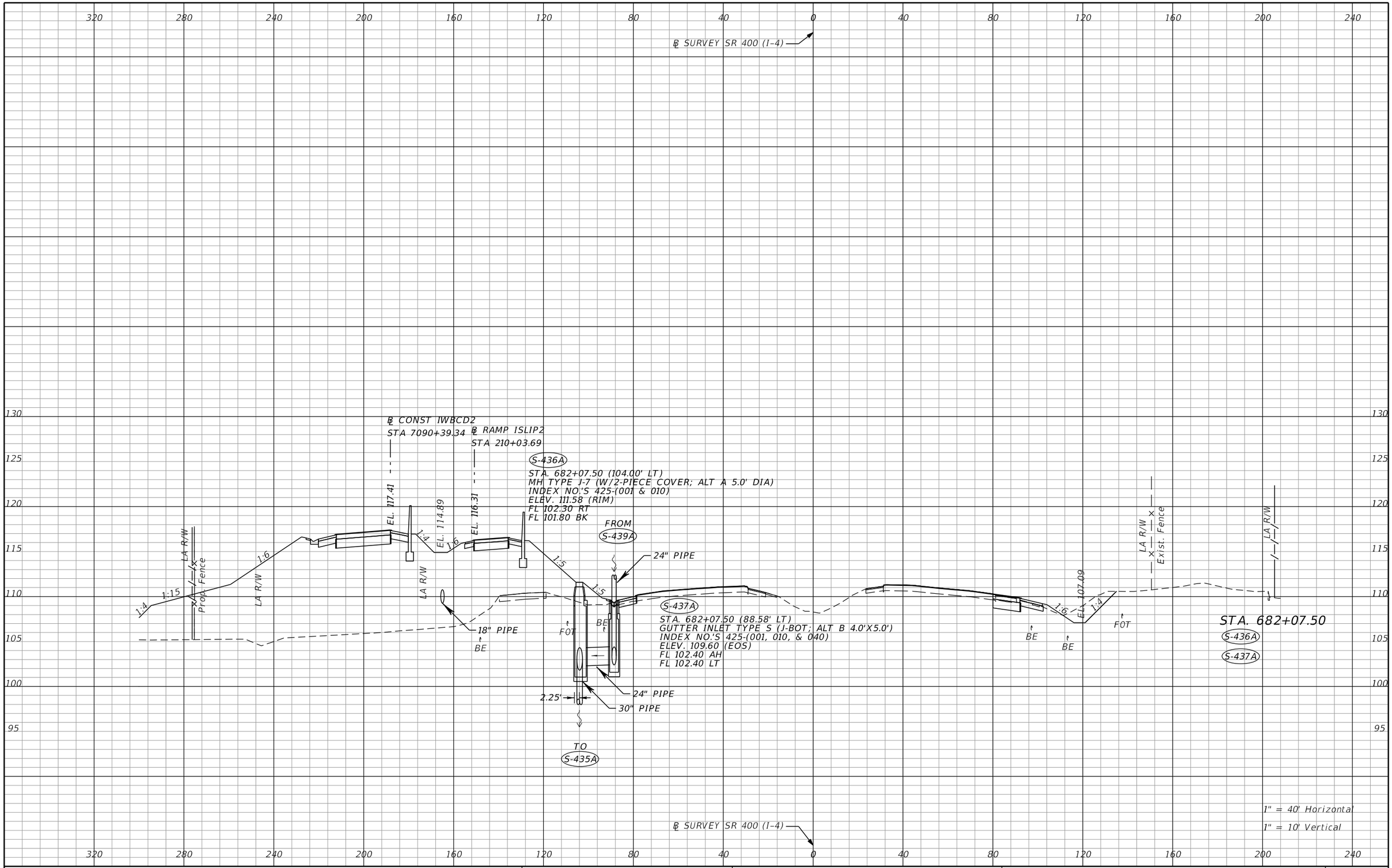
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 245

robert.martini 8/22/2019 11:18:34 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 246

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:18:38 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

℄ SURVEY SR 400 (I-4)

℄ CONST IWBCD2
STA 7090+67.94

℄ RAMP ISLIP2
STA 210+32.37

TO S-443A

TO S-520C1

S-520C

℄ CONST IWBCD2
STA. 7090+68.11 (34.13' LT)
GUTTER INLET TYPE S
J-BOT; ALT B 4.0'X5.0'
INDEX NO.'S 425-(001, 010, & 040)
ELEV. 116.24 (EOS)
FL 110.80 AH
FL 110.80 BK
FL 111.60 RT

24" PIPE

EL. 117.27

EL. 115.79

24" PIPE

S-438A

℄ RAMP ISLIP2
STA. 210+31.23 (14.90' LT)
DBI TYPE E
INDEX NO.'S 425-(001 & 052)
ELEV. 114.36 (GRATE)
FL 105.40 AH

1:4 1:6 1:15 1:6 1:4 1:5 1:6 1:4

LA R/W

Prop. Fence

LA R/W

LA R/W

EL. 107.28

LA R/W

Exist. Fence

LA R/W

24" PIPE

FROM S-505C1

18" PIPE

FROM S-508C

BE

S-519C

℄ CONST IWBCD2
STA. 7090+67.94 (8.00' RT)
BARRIER WALL INLET
INDEX NO.'S 425-(001 & 031)
ELEV. 116.77 (GRATE)
FL 111.70 BK
FL 111.70 RT (PLUG FOR FUTURE 18")
FL 111.70 LT

FOT

BE

BE

BE

FOT

STA. 682+36.10

S-438A

S-519C

S-520C

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal

1" = 10' Vertical

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

130 125 120 115 110 105 100 95

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 247

robert.martini 8/22/2019 11:18:44 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

℄ SURVEY SR 400 (I-4)

℄ CONST IWBCD2
STA 7090+91.84

℄ RAMP ISLIP2
STA 210+56.34 (S-439AI)

℄ RAMP ISLIP2
STA. 210+57.97 (21.00' RT)
BARRIER WALL INLET
INDEX NO.'S 425-(001 & 031)
ELEV. 115.23 (GRATE)
FL 105.05 RT

EL. 117.15
EL. 113.92
EL. 115.32
EL. 107.44

1:6
1:4
1:15
1:5

LA R/W
Prop. Fence
Exist. Fence

FROM
S-440A

24" PIPE
18" PIPE

S-439A
STA. 682+60.00 (88.58' LT)
GUTTER INLET TYPE S (J-BOT; ALT B 4.0'X5.0')
INDEX NO.'S 425-(001, 010, & 040)
ELEV. 109.76 (EOS)
FL 102.50 AH
FL 102.50 BK
FL 104.90 LT

FOT
BE

TO
S-437A

STA. 682+60.00
S-439A
S-439AI

1" = 40' Horizontal
1" = 10' Vertical

℄ SURVEY SR 400 (I-4)

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

130 125 120 115 110 105 100 95

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

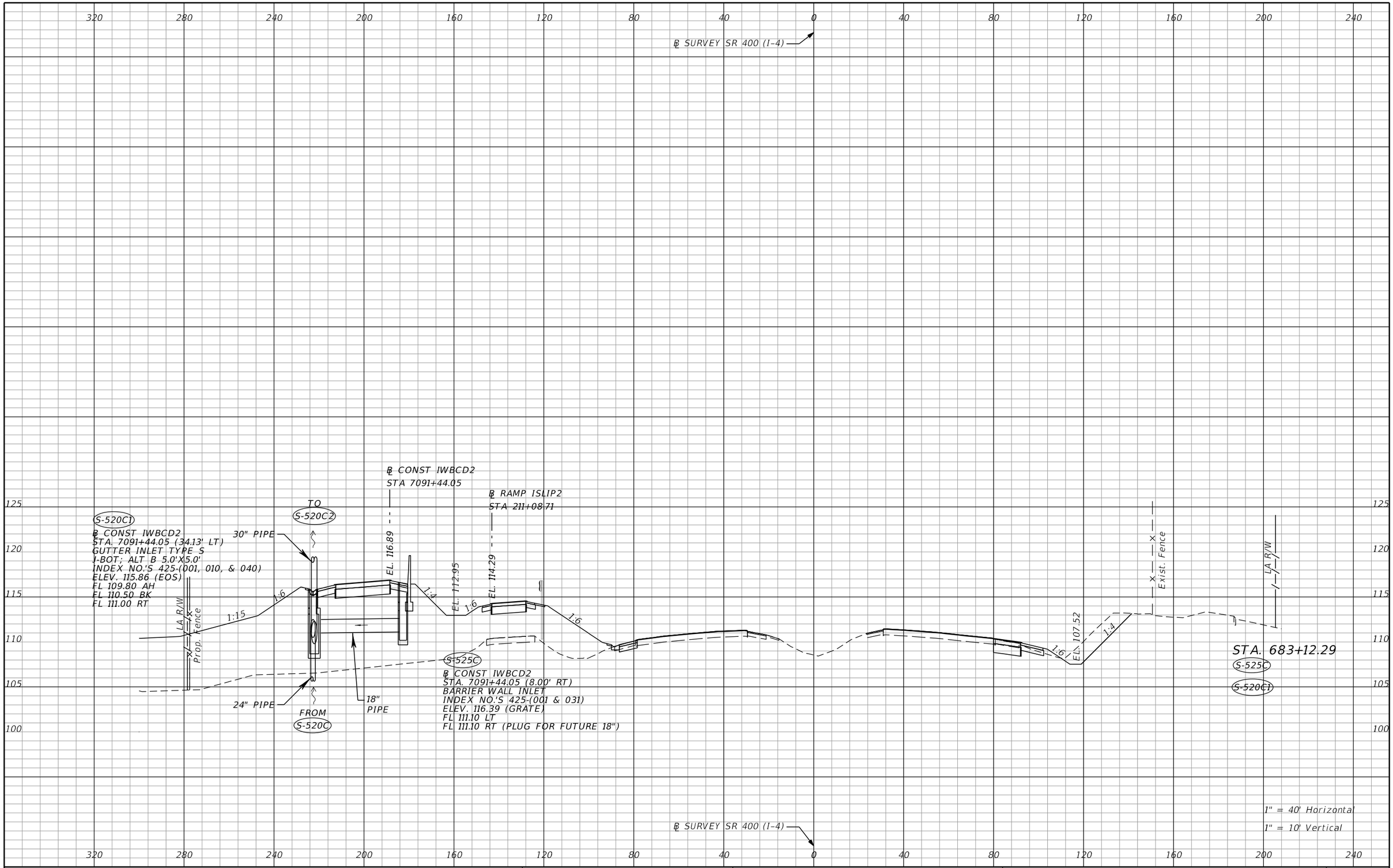
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 248

robert.martini 8/22/2019 11:18:51 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

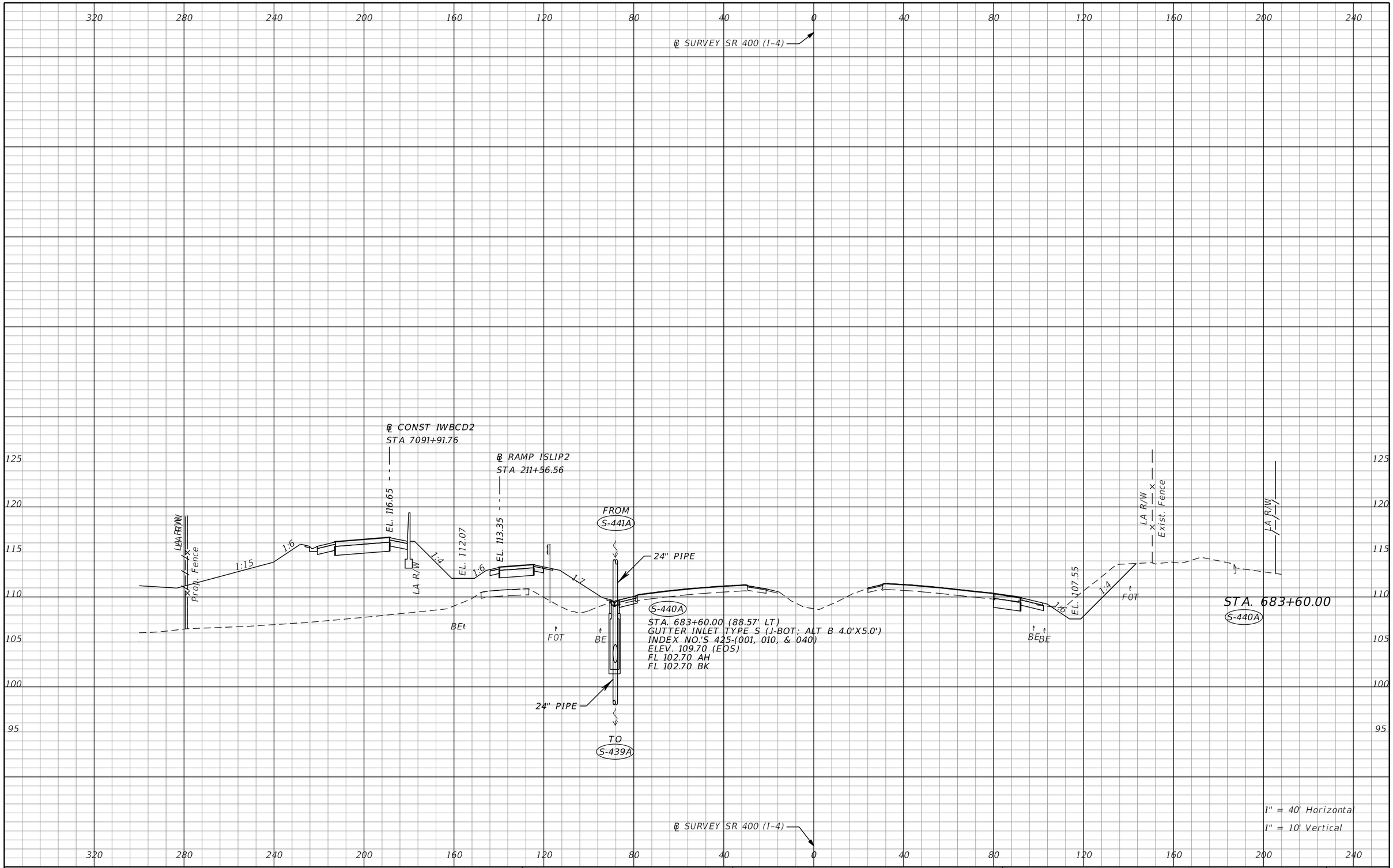
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 249

robert.martini 8/22/2019 11:18:55 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 250

robert.martini 8/22/2019 11:19:00 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

℄ SURVEY SR 400 (I-4)

125 120 115 110 105 100 95

S-520C2

℄ CONST IWBCD2
STA. 7092+20.04 (34.13' LT)
GUTTER INLET TYPE S (J-BOT; ALT B 5.0'X5.0')
INDEX NO.'S 425-(001, 010, & 040)
ELEV. 115.48 (EOS)
FL 108.60 AH
FL 109.20 BK

TO S-538C

℄ CONST IWBCD2
STA 7092+20.04

℄ RAMP ISLIP2
STA 211+84.92

LA R/W
Prop. Fence

30" PIPE

1:6 1:15 1:4 1:6 1:8 1:6 1:4

EL. 116.51
EL. 111.54
EL. 112.79
EL. 107.57

BE FOT BE BE FOT

FROM S-442A

18" PIPE

S-441A
STA. 683+88.28 (88.62' LT)
GUTTER INLET TYPE S (J-BOT; ALT B 4.0'X5.0')
INDEX NO.'S 425-(001, 010, & 040)
ELEV. 109.59 (EOS)
FL 103.30 AH
FL 102.80 BK

30" PIPE

FROM S-520C1

24" PIPE

TO S-440A

LA R/W
Exist. Fence

LA R/W

STA. 683+88.28
S-441A
S-520C2

1" = 40' Horizontal
1" = 10' Vertical

℄ SURVEY SR 400 (I-4)

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

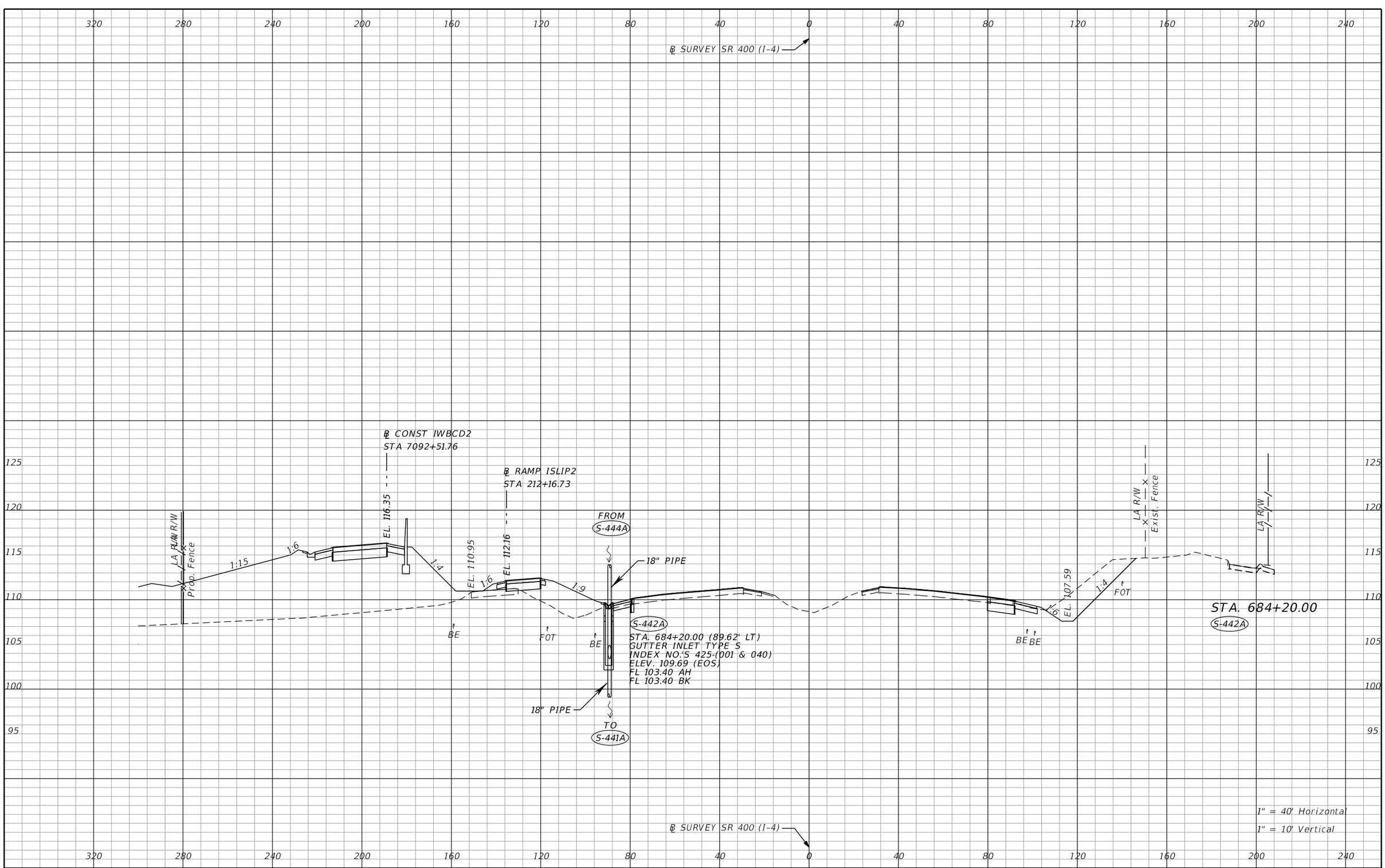
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 251



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

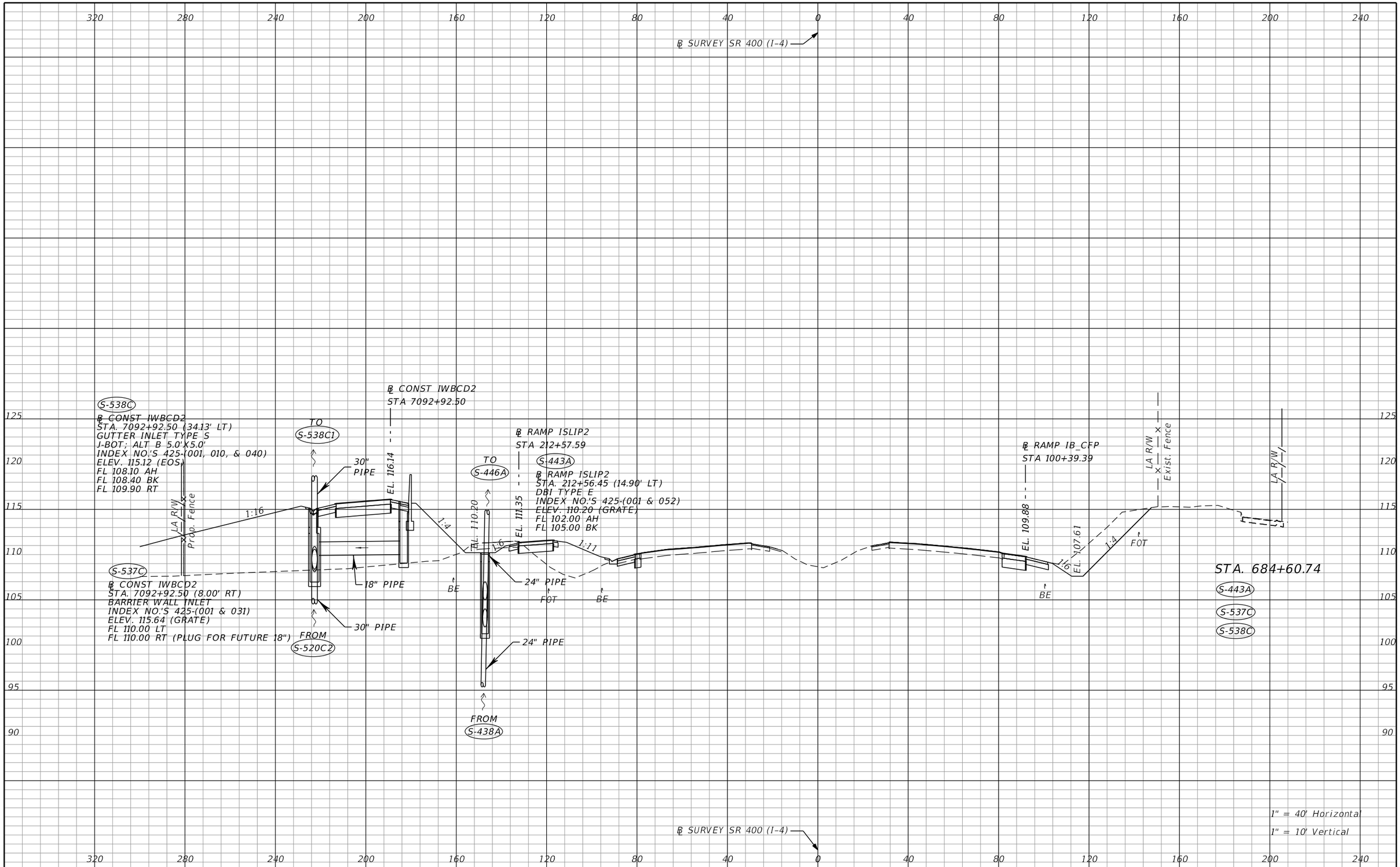
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 252



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

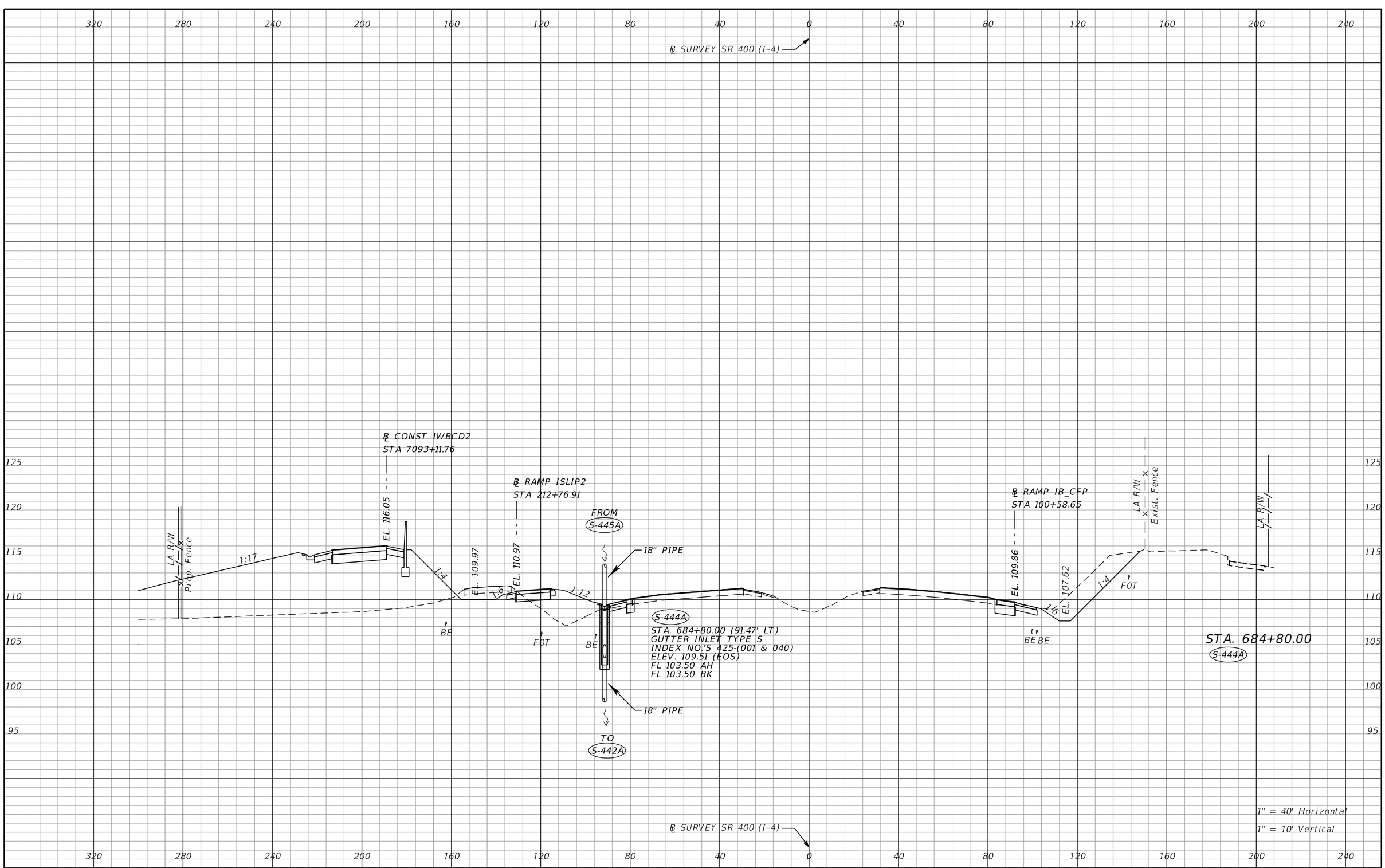
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 253

robert.martini 8/22/2019 11:19:13 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 254

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:19:18 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

℄ SURVEY SR 400 (I-4)

℄ CONST IWBCD2
STA 7093+91.76

℄ RAMP ISLIP2
STA 213+57.14

℄ RAMP IB_CFP
STA 101+38.66

TO S-548C

30" PIPE

EL. 115.62

LA R/W

Prop. Fence

1:24

1:4

EL. 109.04

1:6

EL. 109.73

BE

FOT

BE

S-445A
STA. 685+60.00 (93.91' LT)
GUTTER INLET TYPE S
INDEX NO.'S 425-(001 & 040)
ELEV. 109.63 (EOS)
FL 103.70 BK

18" PIPE

TO S-444A

30" PIPE

S-538C1
℄ CONST IWBCD2
STA. 7093+91.76 (34.13' LT)
FROM GUTTER INLET TYPE S (U-BOT; ALT B 5.0'X5.0')
S-538C INDEX NO.'S 425-(001, 010, & 040)
ELEV. 114.62 (EOS)
FL 107.60 AH
FL 107.90 BK

EL. 109.82

1:6

EL. 107.67

1:4

FOT

BE

LA R/W

Exist. Fence

LA R/W

STA. 685+60.00
S-445A
S-538C1

1" = 40' Horizontal
1" = 10' Vertical

℄ SURVEY SR 400 (I-4)

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

125 120 115 110 105 100 95

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

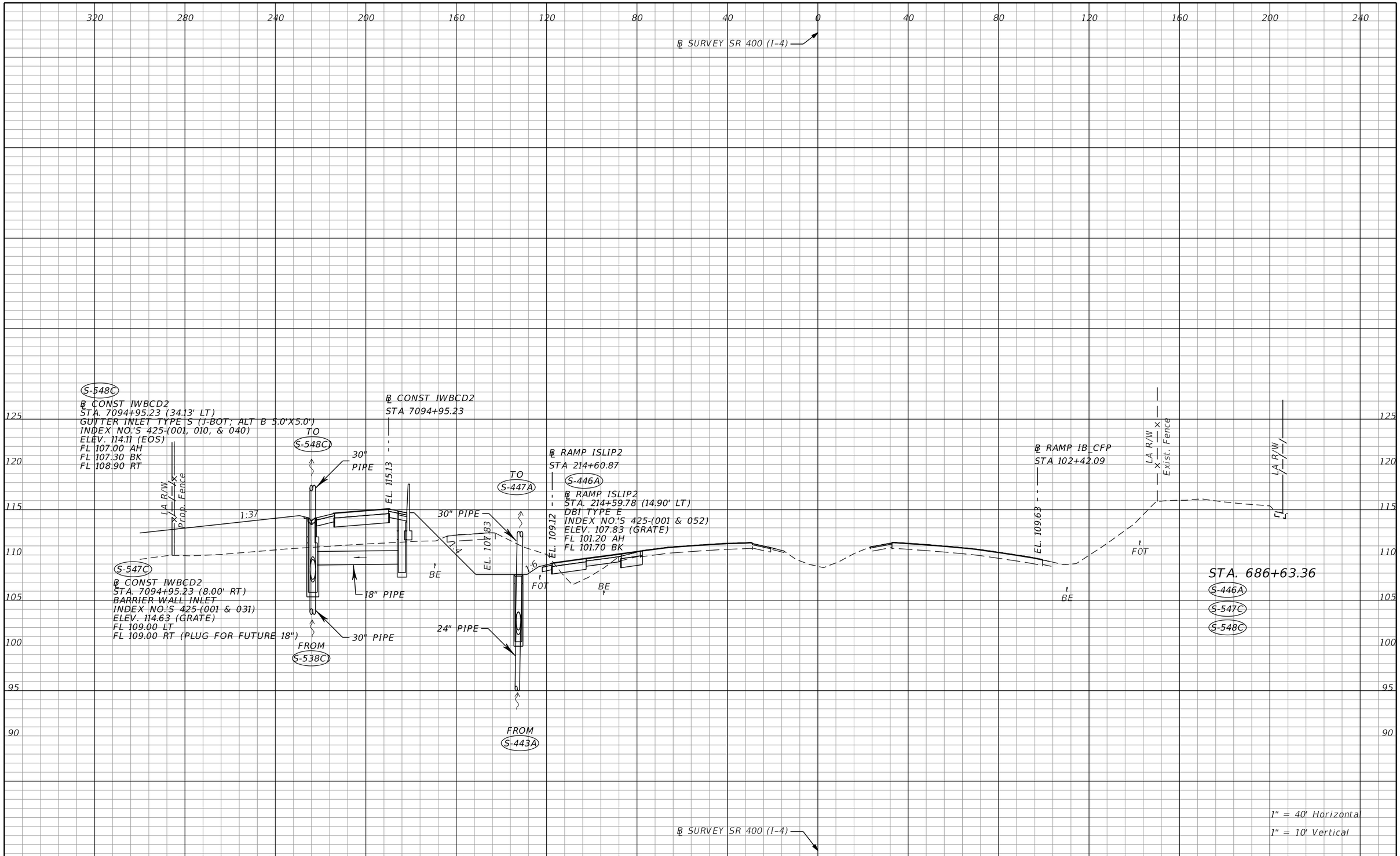
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 255

robert.martini 8/22/2019 11:19:22 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO.
256

robert.martini 8/22/2019 11:19:27 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

℄ SURVEY SR 400 (I-4)

130 125 120 115 110 105 100

℄ RAMP IA_CFP
STA 300+55.74

℄ RAMP IC_CFP
STA 400+55.90

TO S-552C

TO S-551C

30" PIPE

18" PIPE

LA R/W

Prop. Fence

EL. 114.34

EL. 114.83

1:46

1:6

EL. 107.88

1:6

℄ RAMP ISLIP2
STA 215+22.99

EL. 109.21

EL. 109.35

℄ RAMP IB_CFP
STA 103+04.14

Exist. Fence

LA R/W

STA. 687+25.32

S-550C

S-548C1

S-548C1

℄ RAMP IA CFP
STA. 300+55.76 (9.94' LT)
GUTTER INLET TYPE S
J-BOT; ALT B 5.0'X5.0'
INDEX NO.'S 425-(001, 010, & 040)
ELEV. 113.80 (EOS)
FL 106.70 AH
FL 106.70 BK

30" PIPE

FROM S-548C

S-550C

℄ RAMP IC CFP
STA. 400+55.90 (5.26' RT)
MH TYPE J-7
W/ 2-PIECE COVER; ALT B 4.0'X5.0'
INDEX NO.'S 425-(001 & 010)
ELEV. 114.50 (RIM)
FL 109.50 AH
FL 109.50 RT (PLUG FOR FUTURE 18")

1" = 40' Horizontal
1" = 10' Vertical

℄ SURVEY SR 400 (I-4)

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

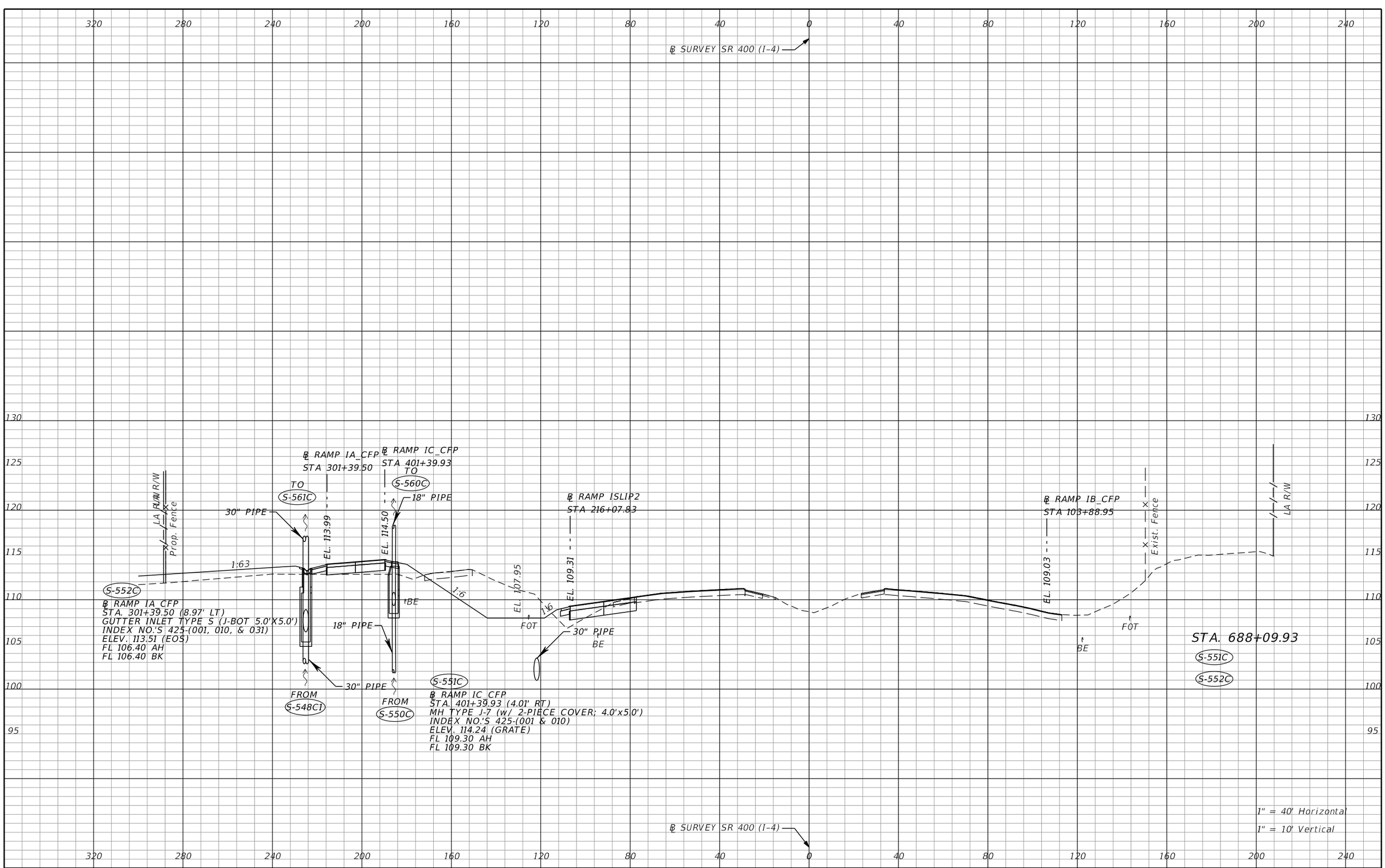
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 257

robert.martini 8/22/2019 11:19:32 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

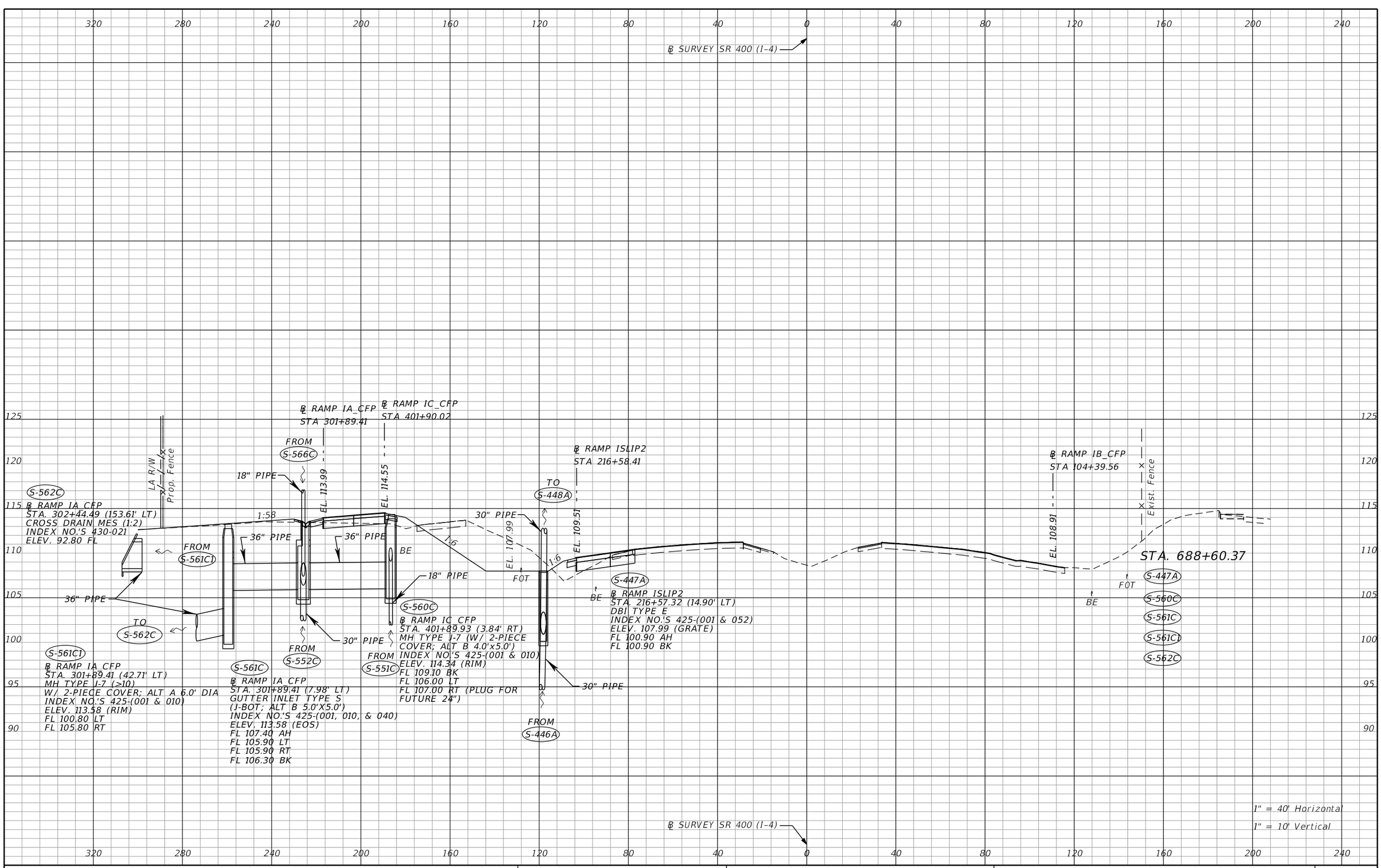
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 258



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 259

robert.martini 8/22/2019 11:19:41 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

℄ SURVEY SR 400 (I-4)

℄ RAMP IA_CFP
STA 302+39.25

℄ RAMP IC_CFP
STA 402+40.07

℄ RAMP ISLIP2
STA 217+08.92

℄ RAMP IB_CFP
STA 104+90.13

LA R/W

Prop. Fence

Exist. Fence

EL. 114.19

EL. 114.80

EL. 108.03

EL. 109.66

EL. 108.82

1:34

1:6

1:6

STA. 689+10.76

S-566C

S-566C

℄ RAMP IA_CFP
STA 302+39.25 (6.70' LT)
GUTTER INLET TYPE S
J-BOT; ALT B 6.0'X5.0'
INDEX NO.'S 425-(001, 010, & 031)
ELEV. 114.04 (EOS)
FL 107.60 BK

18" PIPE

TO
S-561C

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal

1" = 10' Vertical

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

130 125 120 115 110 105 100

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 260

robert.martini 8/22/2019 11:19:46 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

℄ SURVEY SR 400 (I-4)

S-574C1

℄ RAMP IA_CFP
STA 303+90.69 (40.71' LT)
MH TYPE J-7 (>10)
W/ 2-PIECE COVER;
ALT B 4.0'X6.0'
INDEX NO.'S 425-(001 & 010)
ELEV. 114.14 (RIM)
FL 99.80 LT
FL 103.70 RT

℄ RAMP IA_CFP
STA 303+90.66

℄ RAMP IC_CFP
STA 403+92.35

LA R/W

Prop. Fence

EL. 115.47

EL. 116.22

S-574C

℄ RAMP IA_CFP
STA. 303+64.62 (138.29' LT)
CROSS DRAIN MES (1:2)
INDEX NO.'S 430-021
ELEV. 92.80 FL

1:21

FROM S-574C1

BE

48" PIPE

TO S-574C

48" PIPE

S-573C

℄ RAMP IA_CFP
STA. 303+90.69 (6.12' LT)
GUTTER INLET TYPE S (>10)
J-BOT; ALT B 5.0'x6.0'
INDEX NO.'S 425-(001, 010, & 040)
ELEV. 115.32 (EOS)
FL 103.80 LT
FL 103.80 RT (PLUG FOR FUTURE 48")

TO S-449A

30" PIPE

1:6

EL. 108.23

FOT

1:6

S-448A

BE

STA. 690+59.74 (112.48' LT)
DBT TYPE E
INDEX NO.'S 425-(001 & 052)
ELEV. 108.23 (GRATE)
FL 100.60 AH
FL 100.60 BK

30" PIPE

FROM S-447A

Exist. Fence

BE FOT

STA. 690+62.44

S-573C

S-574C

S-574C1

STA. 690+59.74

S-448A

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal
1" = 10' Vertical

125 120 115 110 105 100 95 90

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

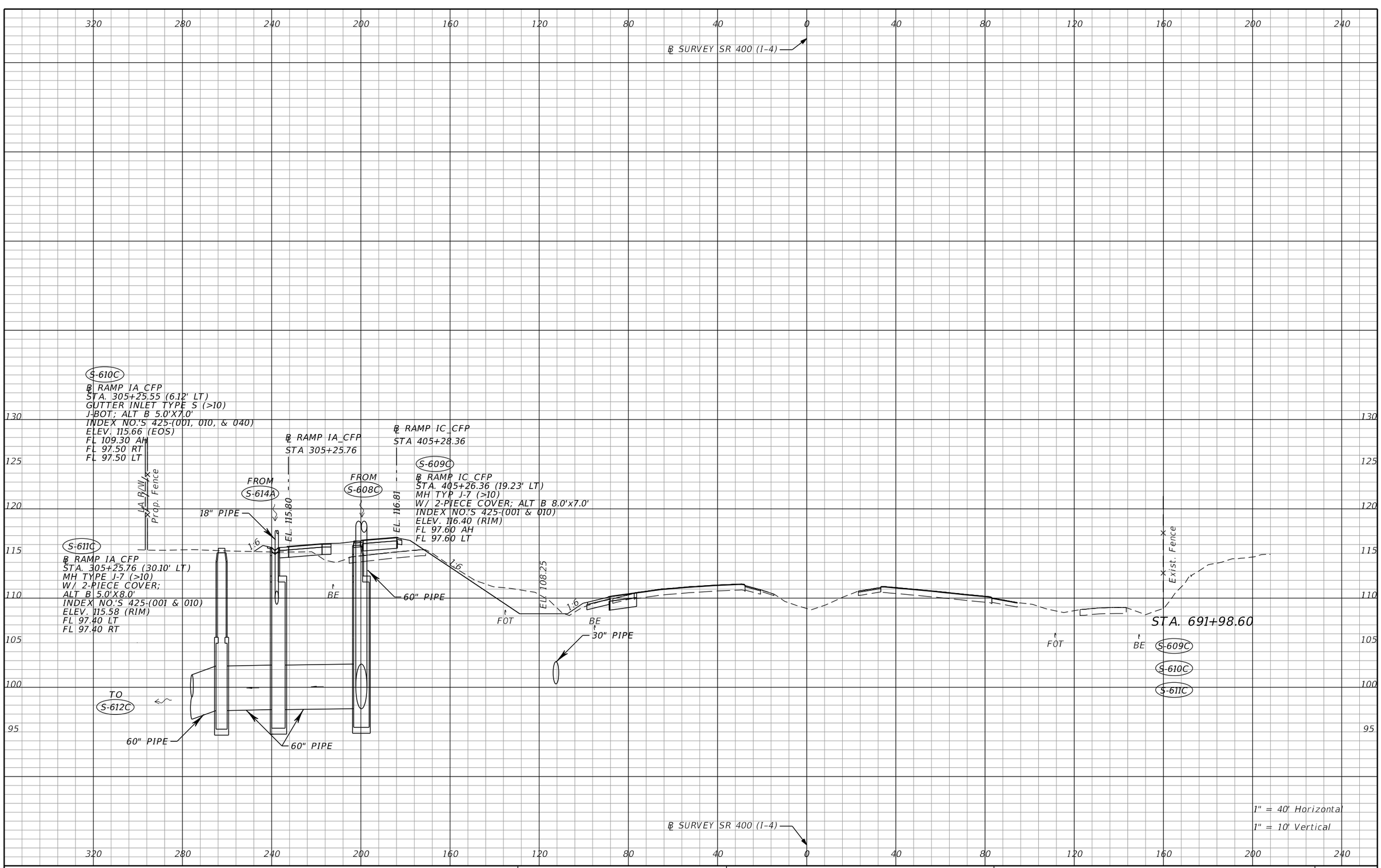
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 261



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 262

robert.martini 8/22/2019 11:19:55 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

℄ SURVEY SR 400 (I-4)

125 120 115 110 105 100 95 90 85

LA R/W

Prop. Fence

℄ RAMP IA_CFP
STA 305+77.26

EL. 115.68

℄ RAMP IC_CFP
STA 405+79.96

EL. 116.81

S-607C

℄ RAMP IC_CFP
STA. 405+81.27 (42.15' RT)
MH TYPE J-7 (>10)
W/ 2 PIECE COVER, ALT B 5.0'x7.0'
INDEX NO.'S 425-(001 & 010)
ELEV. 110.11 (RIM)
FL 98.80 RT
FL 98.30 LT

FROM S-456A

EL. 108.29

24" PIPE

S-614A

℄ RAMP IA CFP
STA. 305+77.20 (6.13' LT)
GUTTER INLET TYPE S
INDEX NO.'S 425-(001 & 040)
ELEV. 115.53 (EOS)
FL 109.50 BK

1:6 1:6 1:5 1:6 1:6

BE FOT BE BE FOT BE

18" PIPE TO S-610C

60" PIPE

54" PIPE

30" PIPE

S-449A

STA. 692+50.20 (112.48' LT)
DBI TYPE E (J-BOT; ALT B 5.0'x7.0)
INDEX NO.'S 425-(001, 010, & 052)
ELEV. 108.29 (GRATE)
FL 100.90 AH
FL 98.90 LT
FL 100.30 BK

S-608C

℄ RAMP IC CFP
STA. 405+78.27 (21.50' LT)
MH TYPE J-7 (>10)
W/ 2 PIECE COVER;
ALT B 8.0'x7.0'
INDEX NO.'S 425-(001 & 010)
ELEV. 116.26 (RIM)
FL 98.20 RT
FL 97.70 BK

60" PIPE

TO S-609C

FROM S-448A

Exist. Fence

STA. 692+50.20

S-449A
S-607C
S-608C
S-614A

1" = 40' Horizontal
1" = 10' Vertical

℄ SURVEY SR 400 (I-4)

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

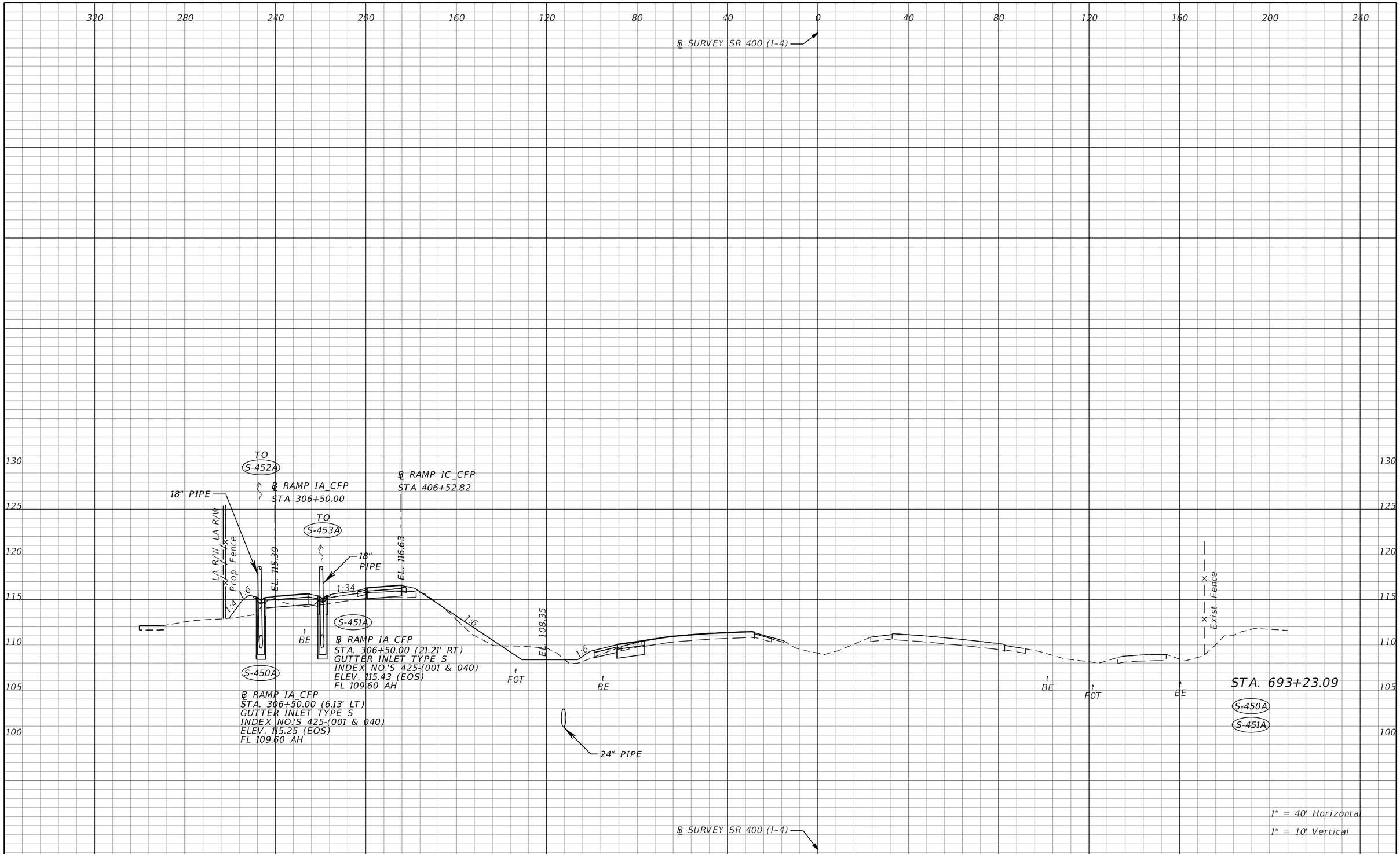
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 263

robert.martini 8/22/2019 11:20:00 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

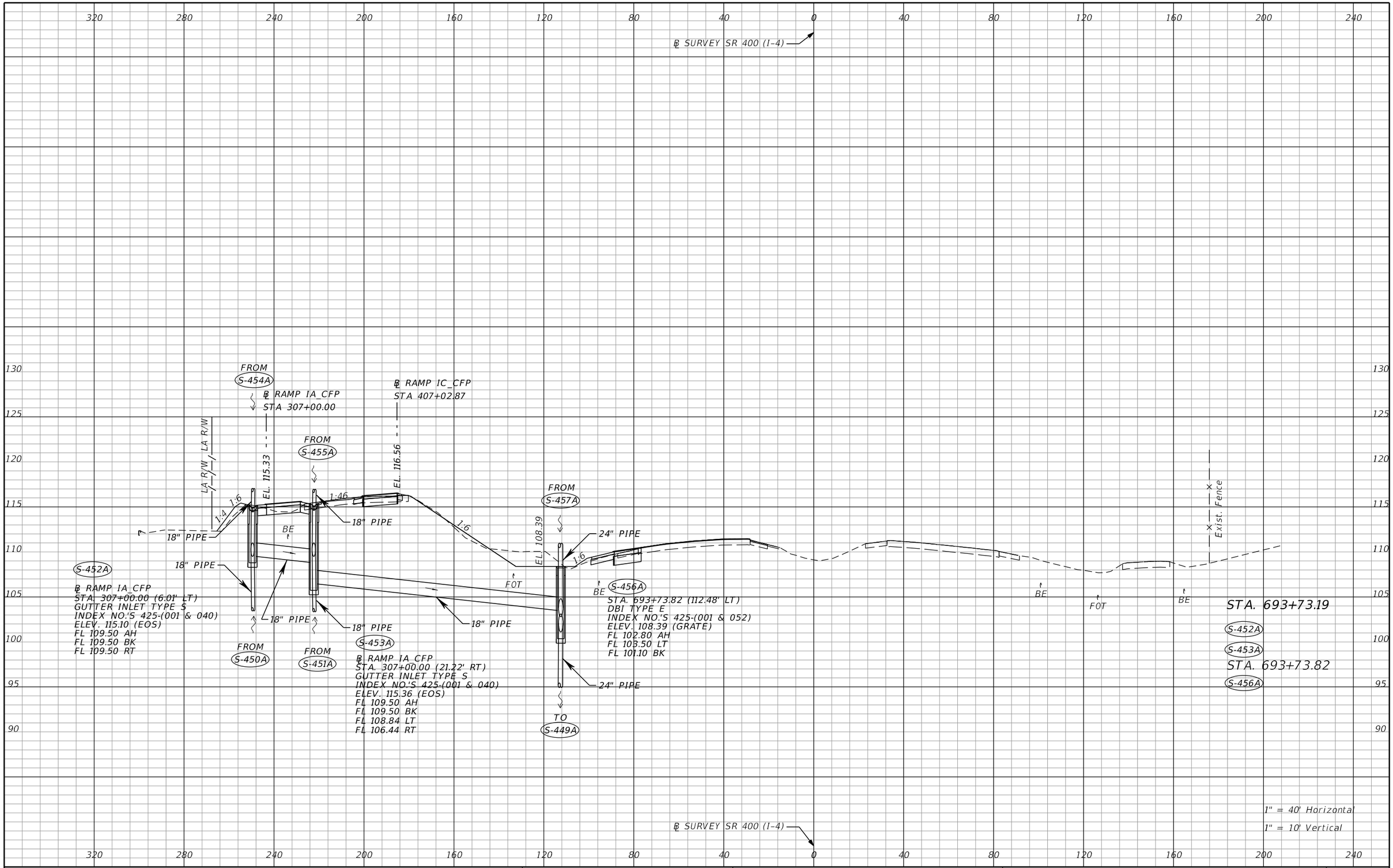
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 264



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 265

robert.martini 8/22/2019 11:20:09 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN

℄ SURVEY SR 400 (I-4)

℄ RAMP IA_CFP
STA 307+50.00

℄ RAMP IC_CFP
STA 407+52.91

LA R/W LA R/W
Prop. Fence

EL. 115.39

EL. 116.58

1:64

1:6

EL. 108.43

S-454A

℄ RAMP IA_CFP
STA. 307+50.00 (6.01' LT)
GUTTER INLET TYPE S
INDEX NO.'S 425-(001 & 040)
ELEV. 115.25 (EOS)
FL 109.60 BK

BE

S-455A

℄ RAMP IA_CFP
STA. 307+50.00 (21.13' RT)
GUTTER INLET TYPE S
INDEX NO.'S 425-(001 & 040)
ELEV. 115.43 (EOS)
FL 109.60 BK

18" PIPE

TO
S-452A

TO
S-453A

FOT

BE

24" PIPE

BE

FOT

BE

Exist. Fence

STA. 694+23.29

S-454A

S-455A

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal

1" = 10' Vertical

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

125 120 115 110 105 100

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 266

℄ SURVEY SR 400 (I-4)

℄ RAMP IA_CFP
STA 307+89.29

℄ RAMP IC_CFP
STA 407+92.22

EL. 115.52

EL. 116.67

LA R/W

Prop. Fence

1:4

1:6

S-457A1

℄ RAMP IA_CFP
STA. 307+90.00 (33.00' RT)
DBI TYPE E (>10)
INDEX NO.'S 425-(001 & 052)
ELEV. 114.85 (GRATE)
FL 103.90 RT

BE

EL. 108.46

FOT

BE S-457A

STA 694+62.66 (112.48' LT)
DBI TYPE E
INDEX NO.'S 425-(001 & 052)
ELEV. 108.46 (GRATE)
FL 103.00 BK
FL 103.50 LT

18" PIPE

24" PIPE

TO
S-456A

BE

FOT

BE

Exist. Fence

STA. 694+62.66
S-457A
S-457A1

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal
1" = 10' Vertical

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

125 120 115 110 105 100 95

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

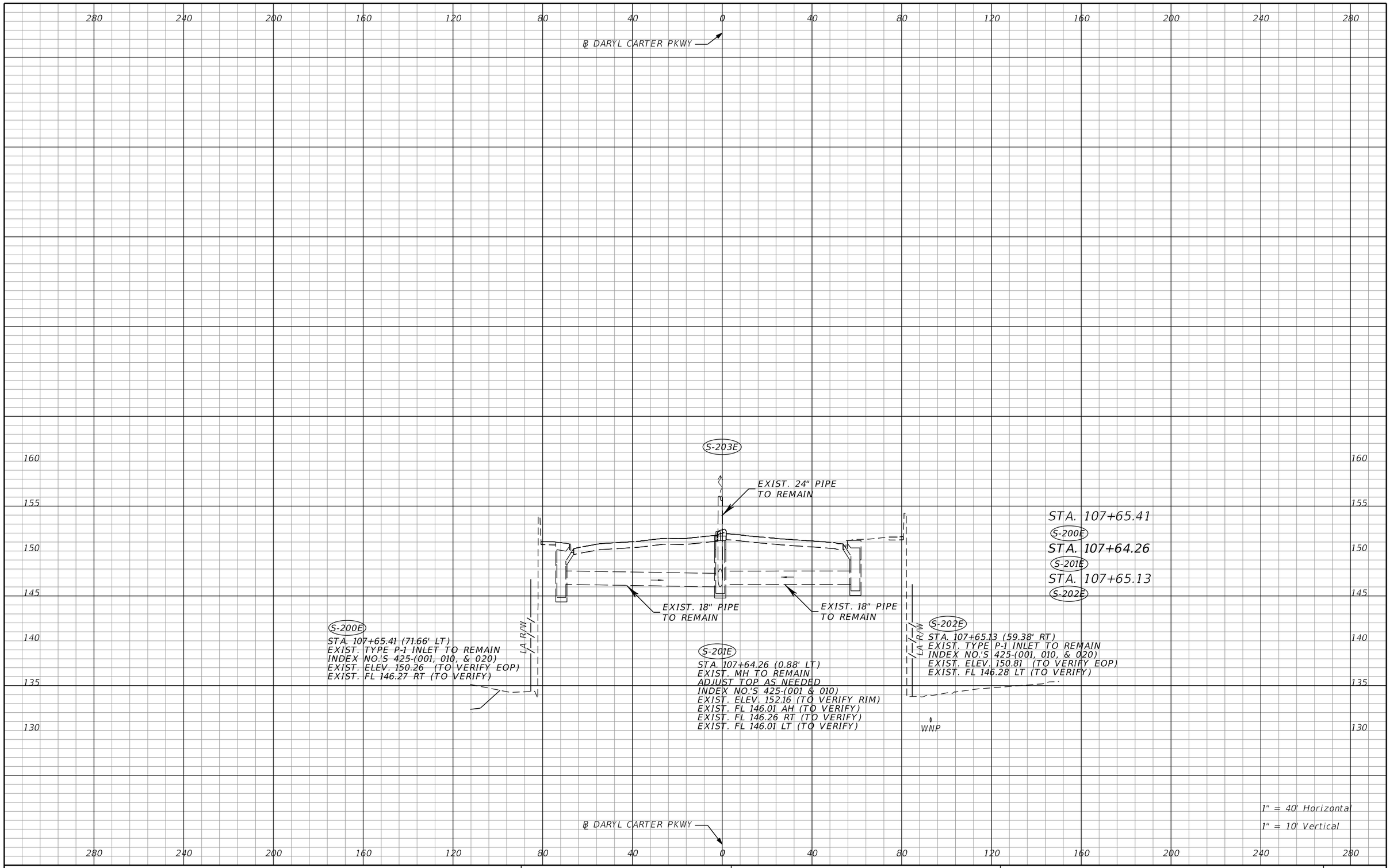
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 267

robert.martini 8/22/2019 11:20:18 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD01_SR400.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

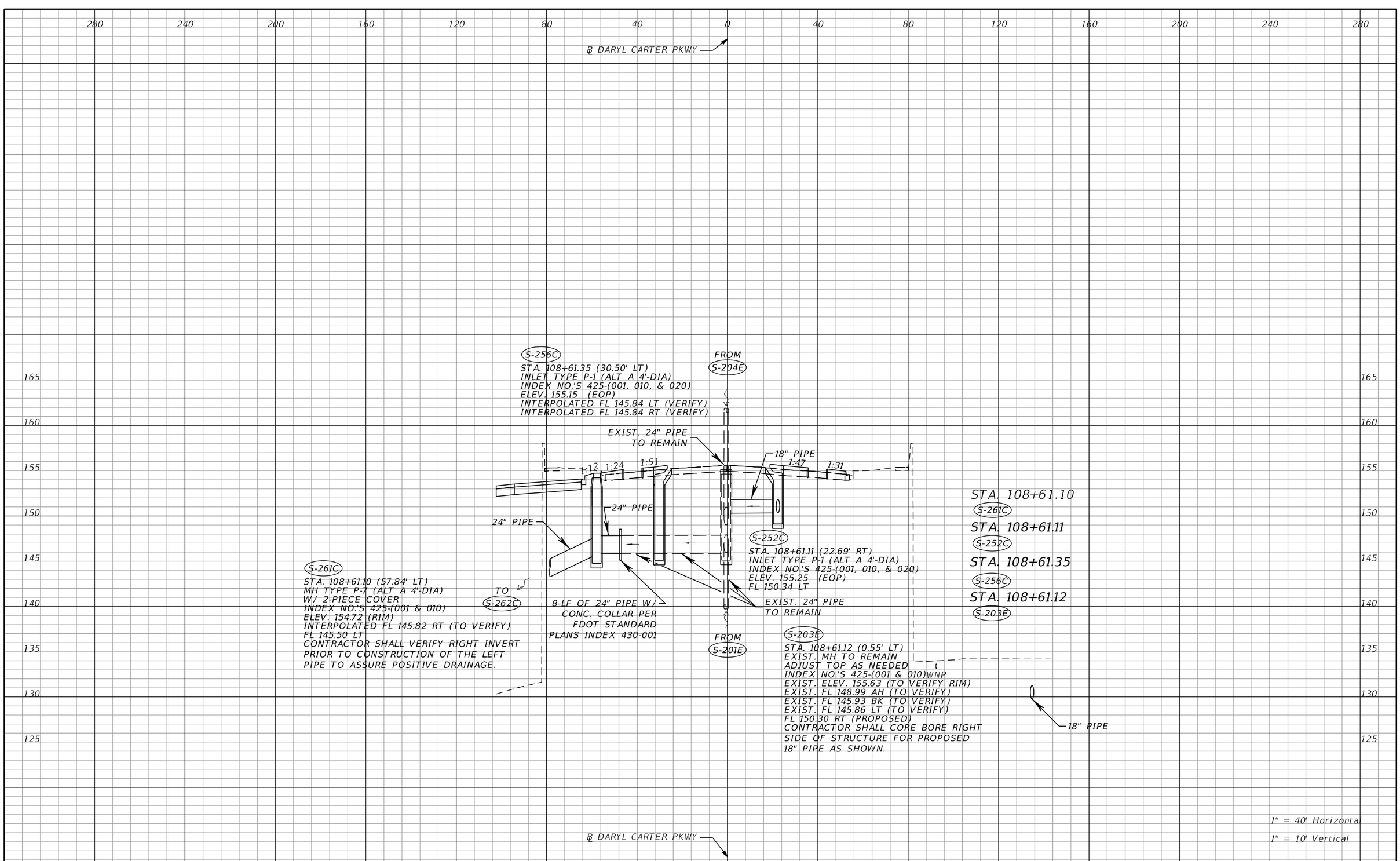
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 268



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 269

robert.martini 8/22/2019 11:20:22 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD02_DCP.DGN

280 240 200 160 120 80 40 0 40 80 120 160 200 240 280

℄ DARYL CARTER PKWY

EXIST. INLET TO BE CAPPED & ABANDONED

EXIST. 18" PIPE TO REMAIN

57-LF OF EXIST. 18" PIPE TO BE ABANDONED AND FILL W/ FLOATABLE FILL

EXIST. 24" PIPE TO REMAIN

TO S-203E

S-204E

STA. 109+51.60 (0.77' LT)
EXIST. MH TO REMAIN
INDEX NO.'S 425-(001 & 010)
ELEV. 158.30 (RIM)
EXIST. FL 151.56 RT (TO REMAIN)
EXIST. FL 151.61 LT (TO BE PLUGGED)
EXIST. FL 149.27 BK (TO REMAIN)
CONTRACTOR SHALL ADJUST MANHOLE TOP TO MATCH PROPOSED SIDEWALK AS NEEDED

WNP

STA. 109+51.47
STA. 109+50.59
S-205E
STA. 109+51.60
S-204E

S-205E

STA. 109+50.59 (59.37' RT)
EXIST. TYPE P-1 TO REMAIN
INDEX NO.'S 425-(001, 010, & 020)
EXIST. ELEV. 157.21 (TO VERIFY EOP)
EXIST. FL 151.78 LT (TO VERIFY)

165 160 155 150 145 140 135 130

℄ DARYL CARTER PKWY

1" = 40' Horizontal
1" = 10' Vertical

280 240 200 160 120 80 40 0 40 80 120 160 200 240 280

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

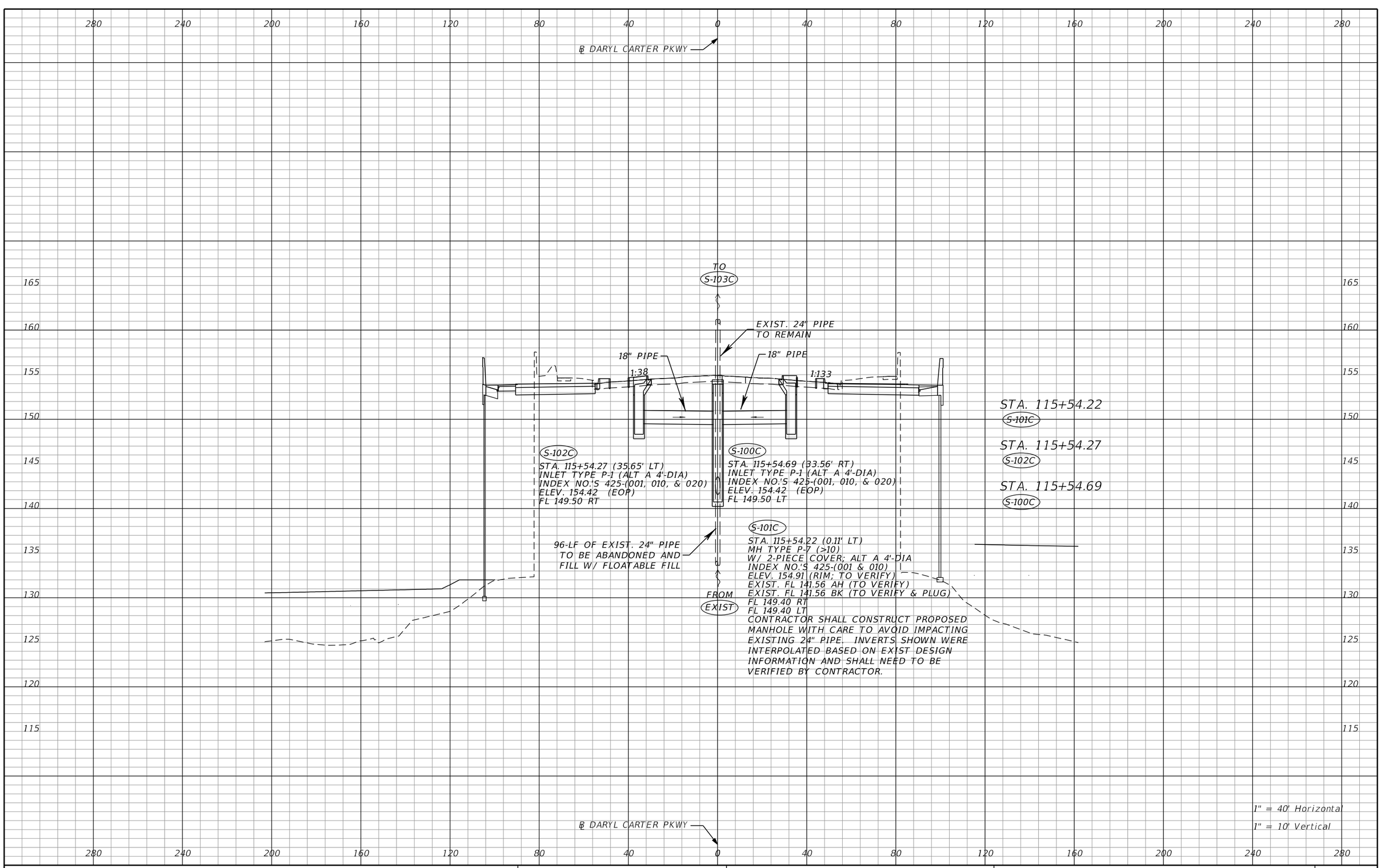
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 270

robert.martini 8/22/2019 11:20:23 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD02_DCP.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

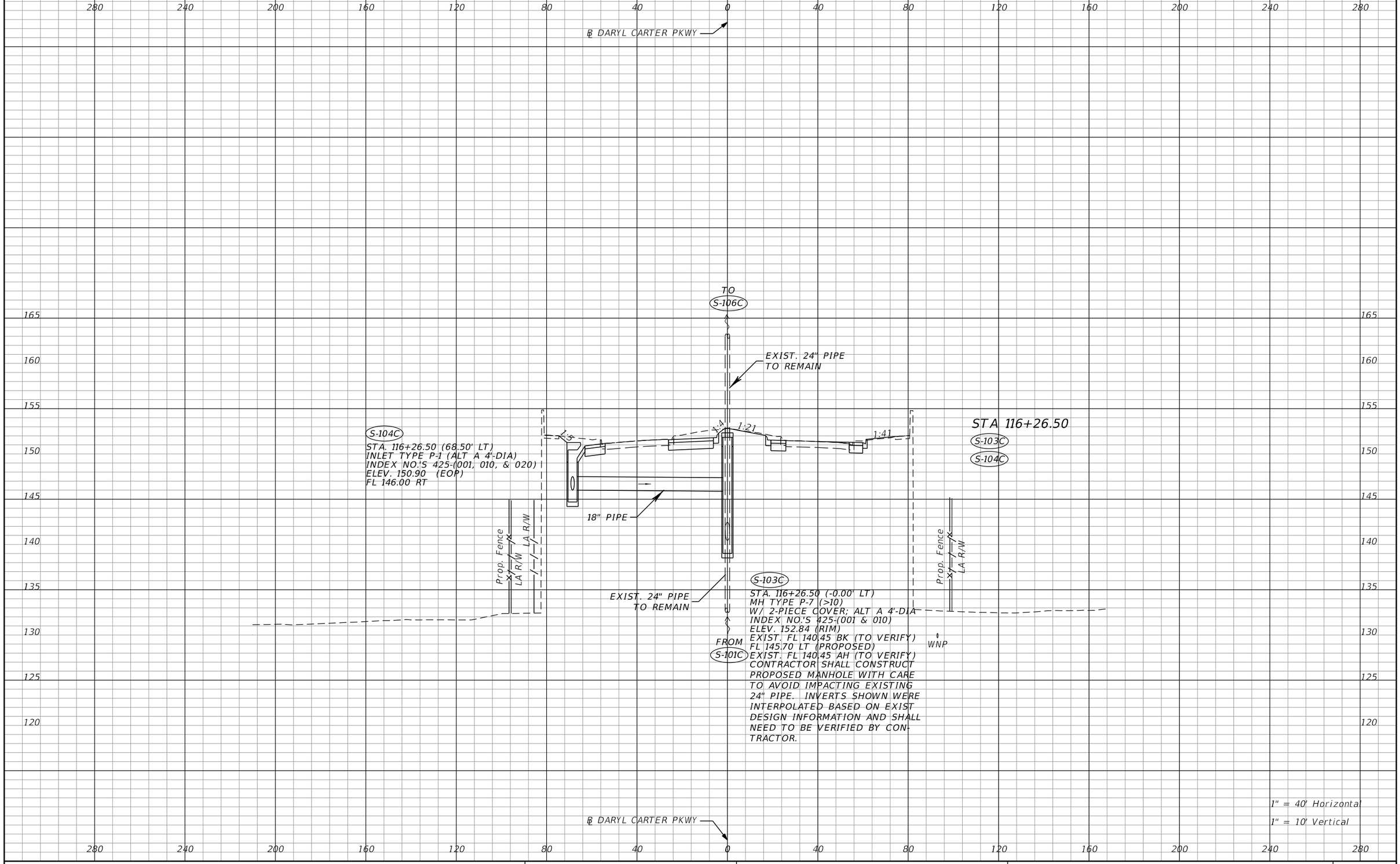
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 271

robert.martini 8/22/2019 11:20:24 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD02_DCP.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

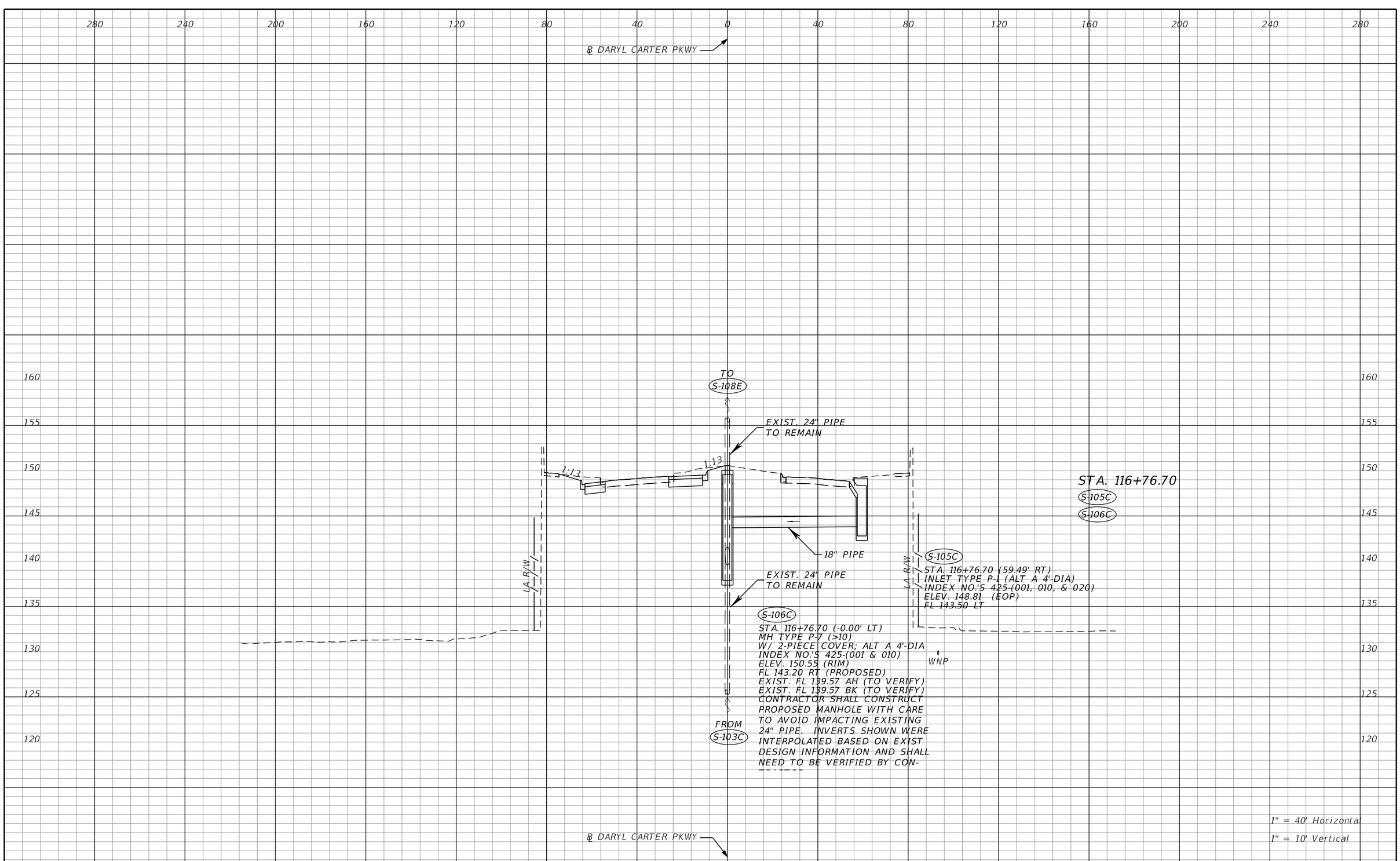
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 272



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

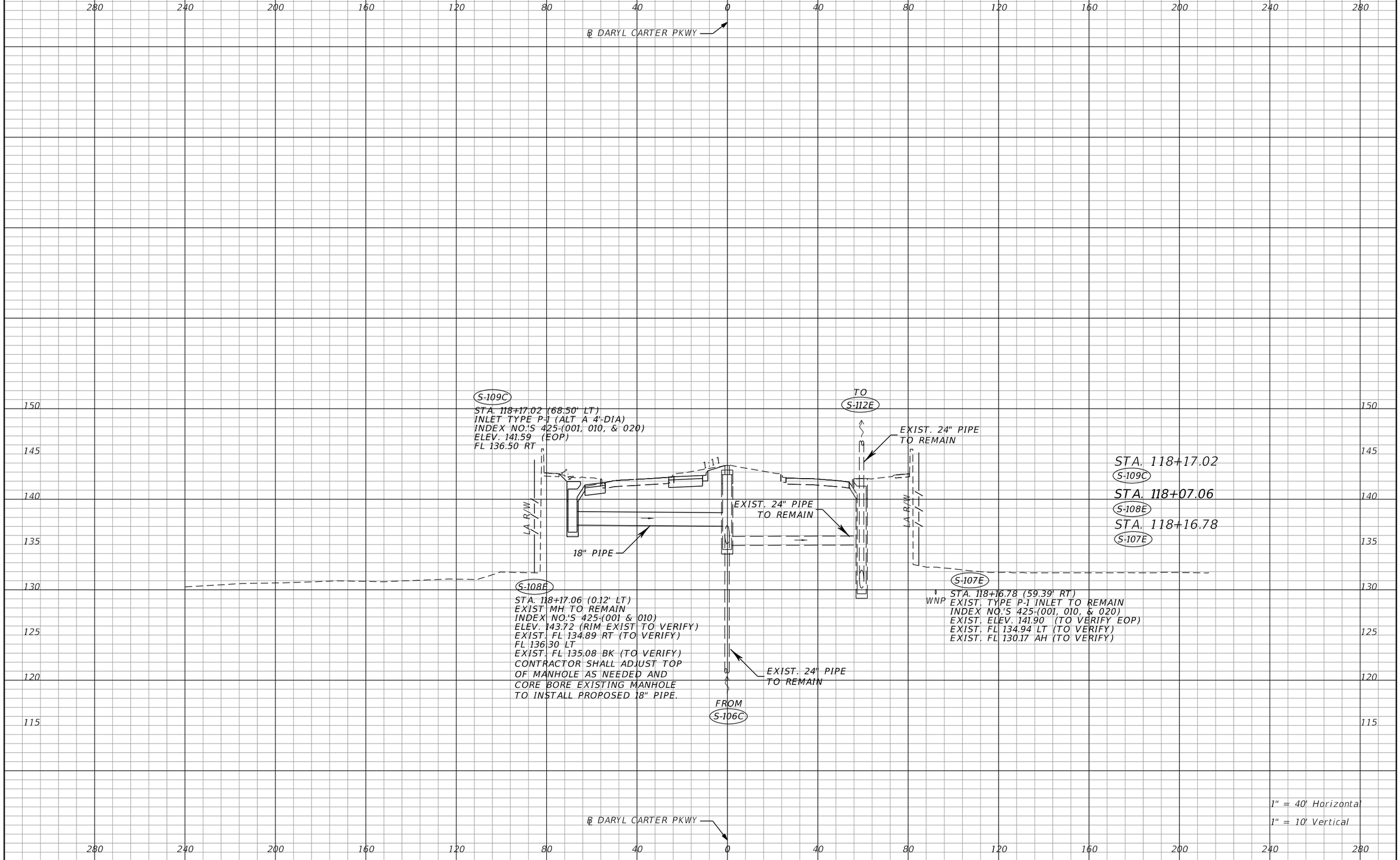
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 273

robert.martini 8/22/2019 11:20:25 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD02_DCP.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 274

280 240 200 160 120 80 40 0 40 80 120 160 200 240 280

℄ DARYL CARTER PKWY

145 140 135 130 125 120

TO S-113C

18" PIPE

LA R/W

1:27

1:3

S-110C
STA. 120+02.57 (-0.00' LT)
MH TYPE P-7 (ALT A 4'-DIA)
W/ 2-PIECE COVER
INDEX NO.'S 425-(001 & 010)
ELEV. 136.57 (RIM)
FL 129.30 LT
FL 129.30 AH

18" PIPE

24" PIPE

LA R/W

STA. 120+02.57
S-110C
S-111C

S-111C
STA. 120+02.57 (68.50' LT)
INLET TYPE P-1 (ALT A 4'-DIA)
INDEX NO.'S 425-(001, 010, & 020)
ELEV. 134.72 (EOP)
FL 129.50 RT

℄ DARYL CARTER PKWY

1" = 40' Horizontal
1" = 10' Vertical

280 240 200 160 120 80 40 0 40 80 120 160 200 240 280

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

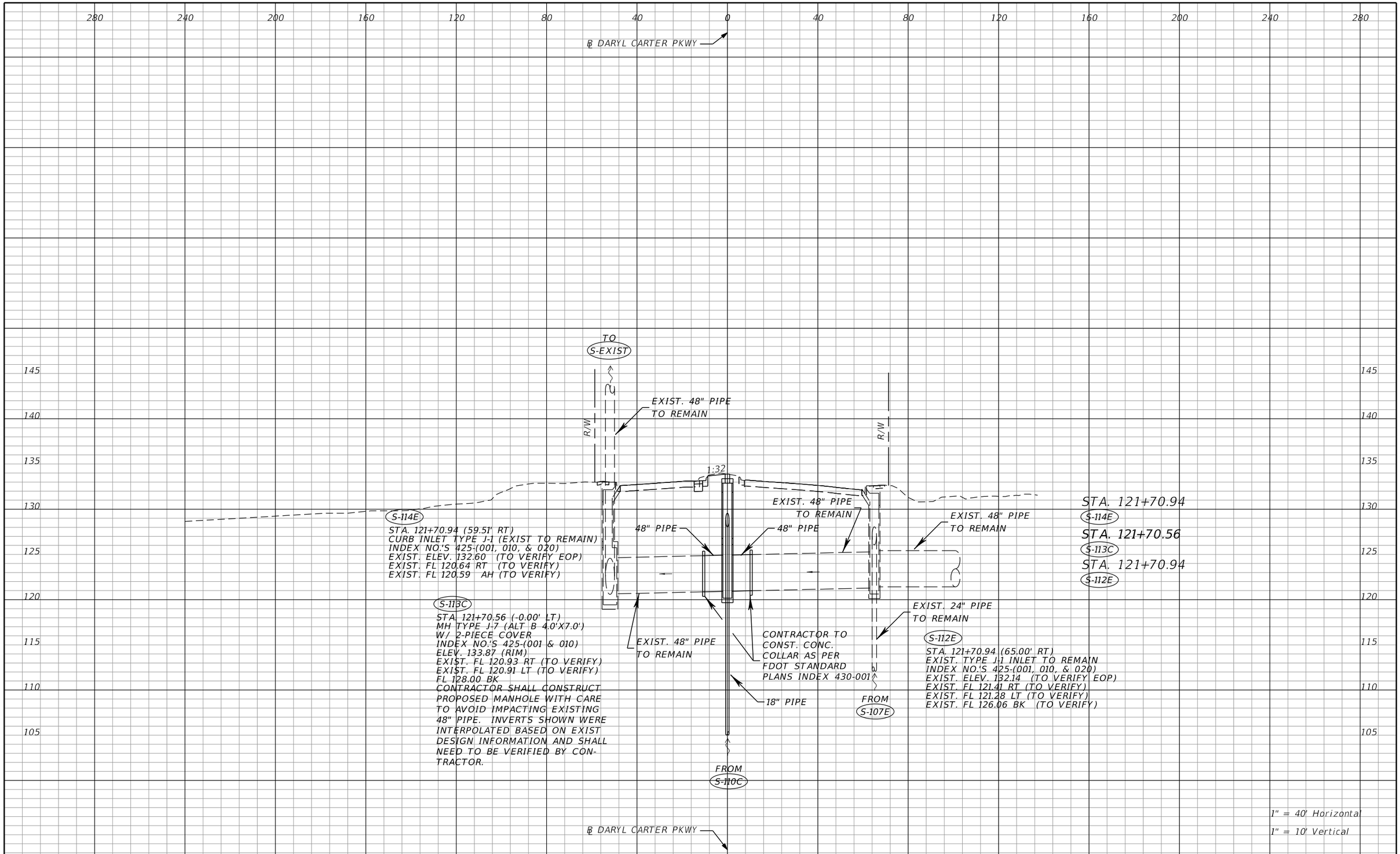
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 275



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

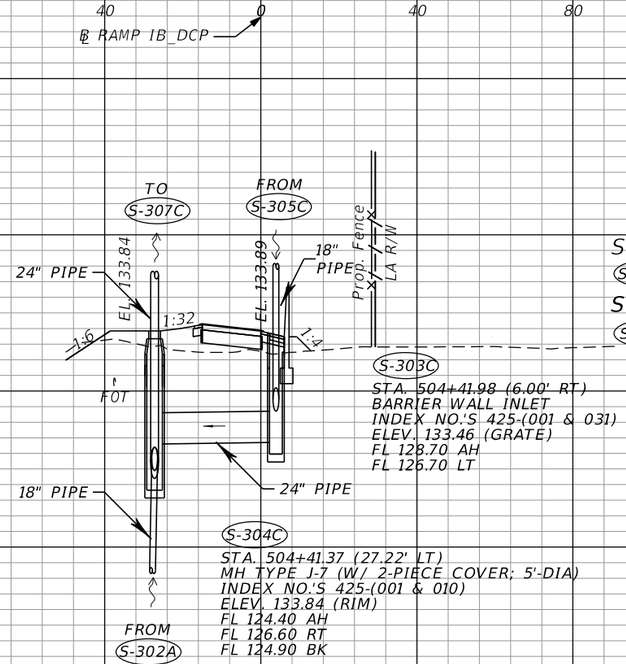
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 276

robert.martini 8/22/2019 11:20:28 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD02_DCP.DGN



STA. 504+41.37
S-304C
STA. 504+41.98
S-303C

S-303C
STA. 504+41.98 (6.00' RT)
BARRIER WALL INLET
INDEX NO.'S 425-(001 & 031)
ELEV. 133.46 (GRATE)
FL 128.70 AH
FL 126.70 LT

S-304C
STA. 504+41.37 (27.22' LT)
MH TYPE J-7 (W/ 2-PIECE COVER; 5'-DIA)
INDEX NO.'S 425-(001 & 010)
ELEV. 133.84 (RIM)
FL 124.40 AH
FL 126.60 RT
FL 124.90 BK

STA. 503+04.20
S-302A
S-303A

S-303A
STA. 503+04.20 (6.13' RT)
GUTTER INLET TYPE S
INDEX NO.'S 425-(001 & 040)
ELEV. 132.17 (EOS)
FL 125.30 LT

S-302A
STA. 503+04.20 (39.67' LT)
DBI TYPE E
INDEX NO.'S 425-(001 & 052)
ELEV. 130.72 (GRATE)
FL 125.20 AH
FL 125.20 RT
FL 125.20 BK

1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

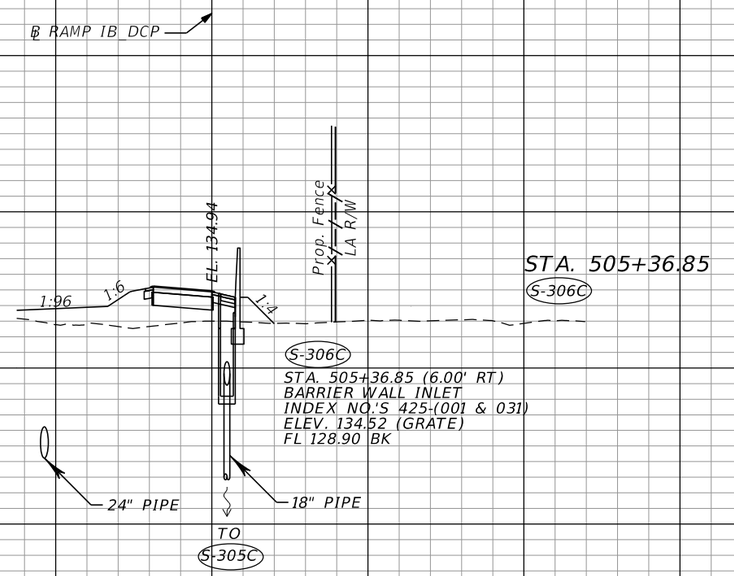
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

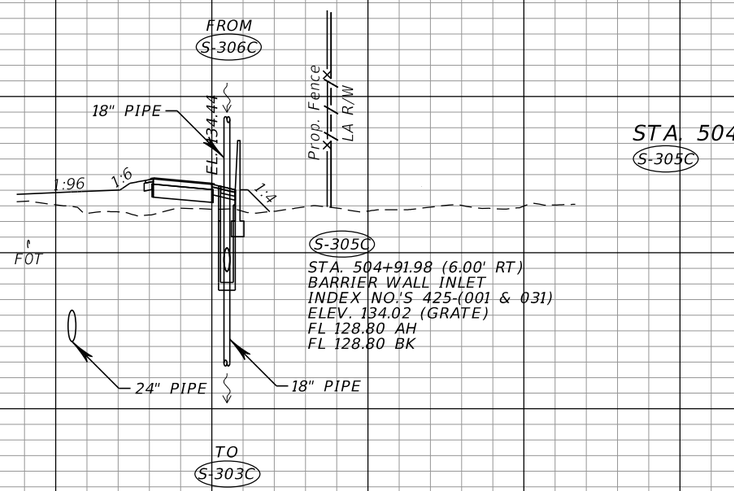
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 277

robert.martini 8/22/2019 11:20:31 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD03_1B_DCP.DGN





280 240 200 160 120 80 40 0 40 80 120 160 200 240 280

145 140 135 130 125 120 115

1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

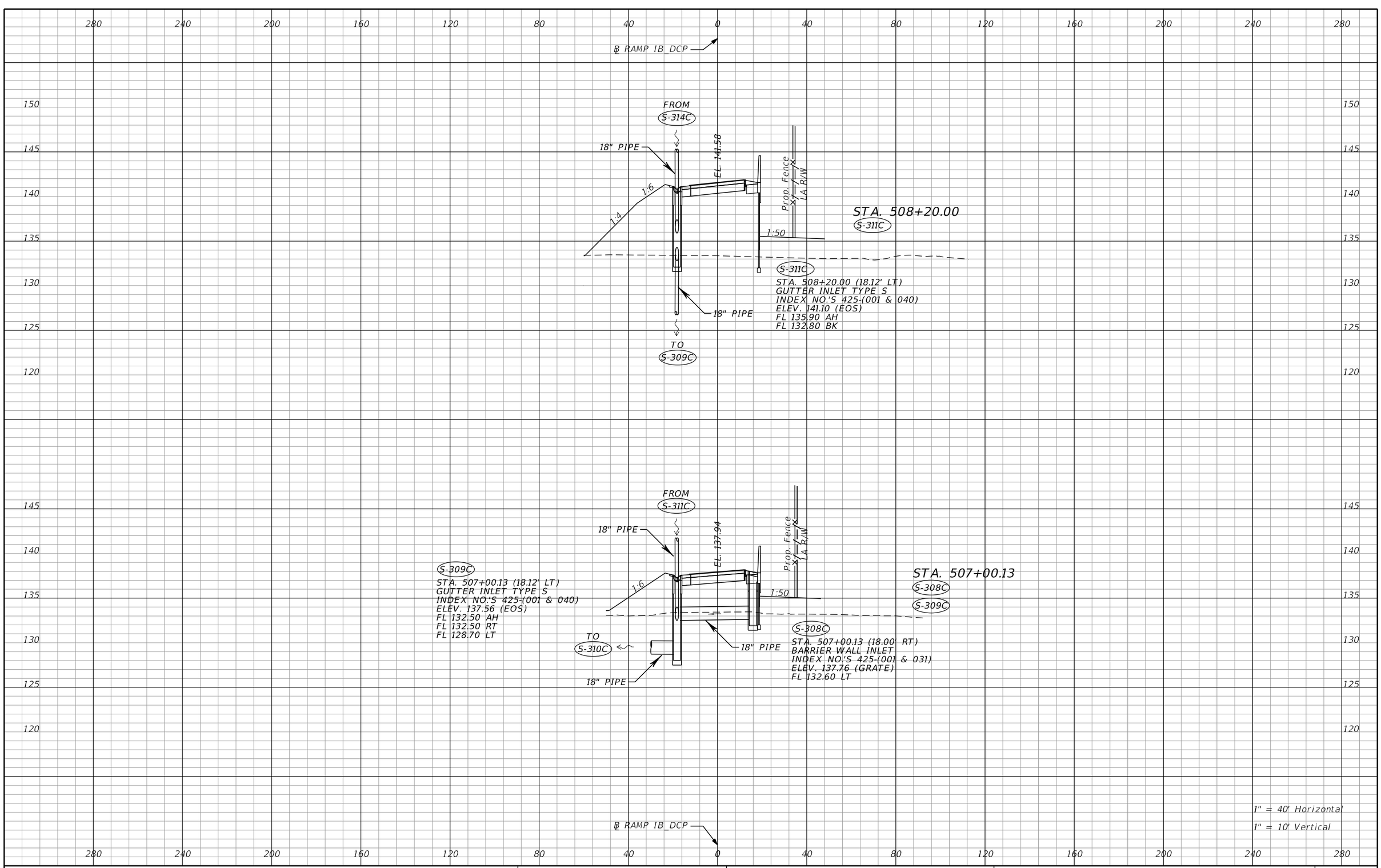
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 278

robert.martini 8/22/2019 11:20:31 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD03_IB_DCP.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

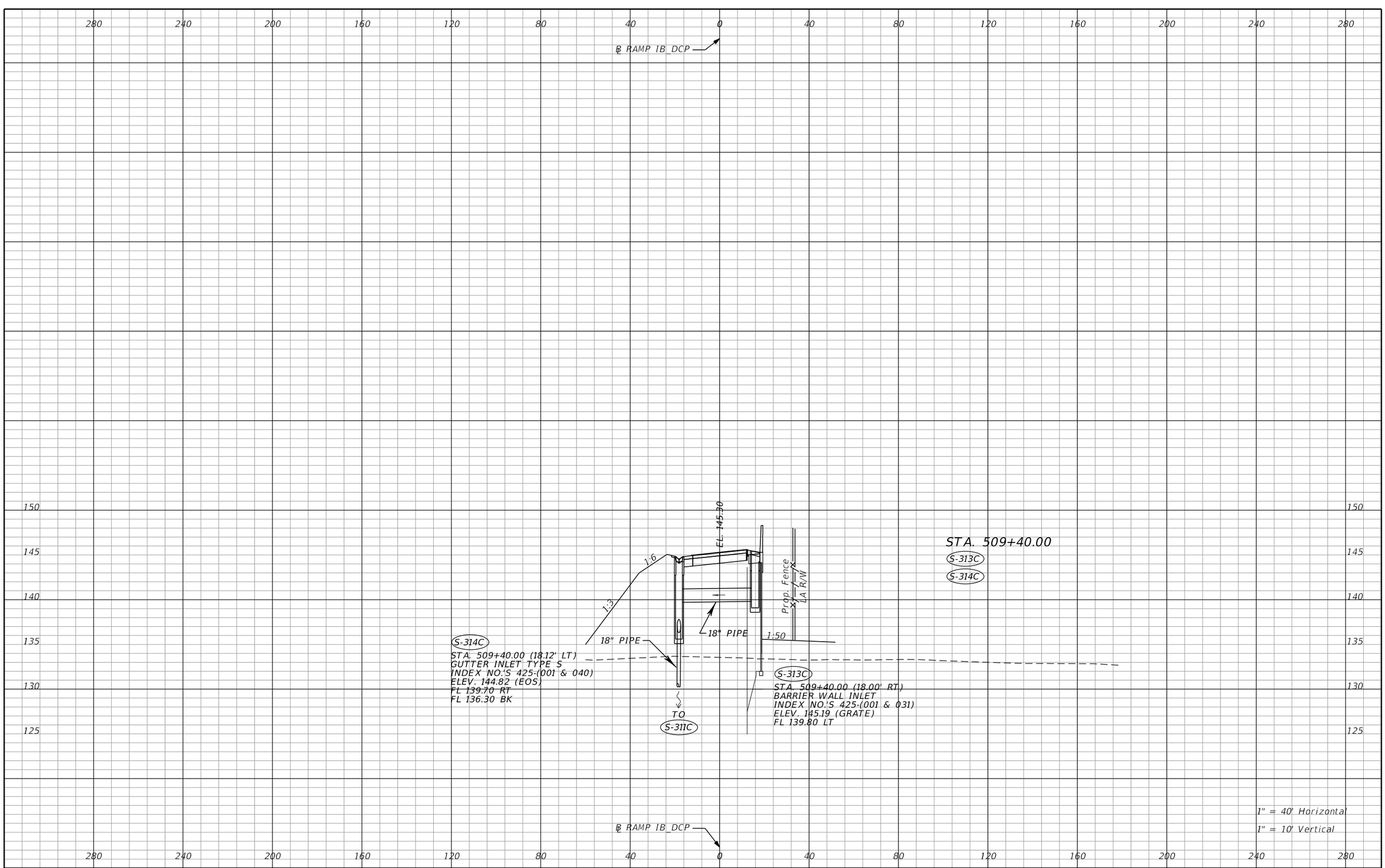
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 279

robert.martini 8/22/2019 11:20:32 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD03_IB_DCP.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

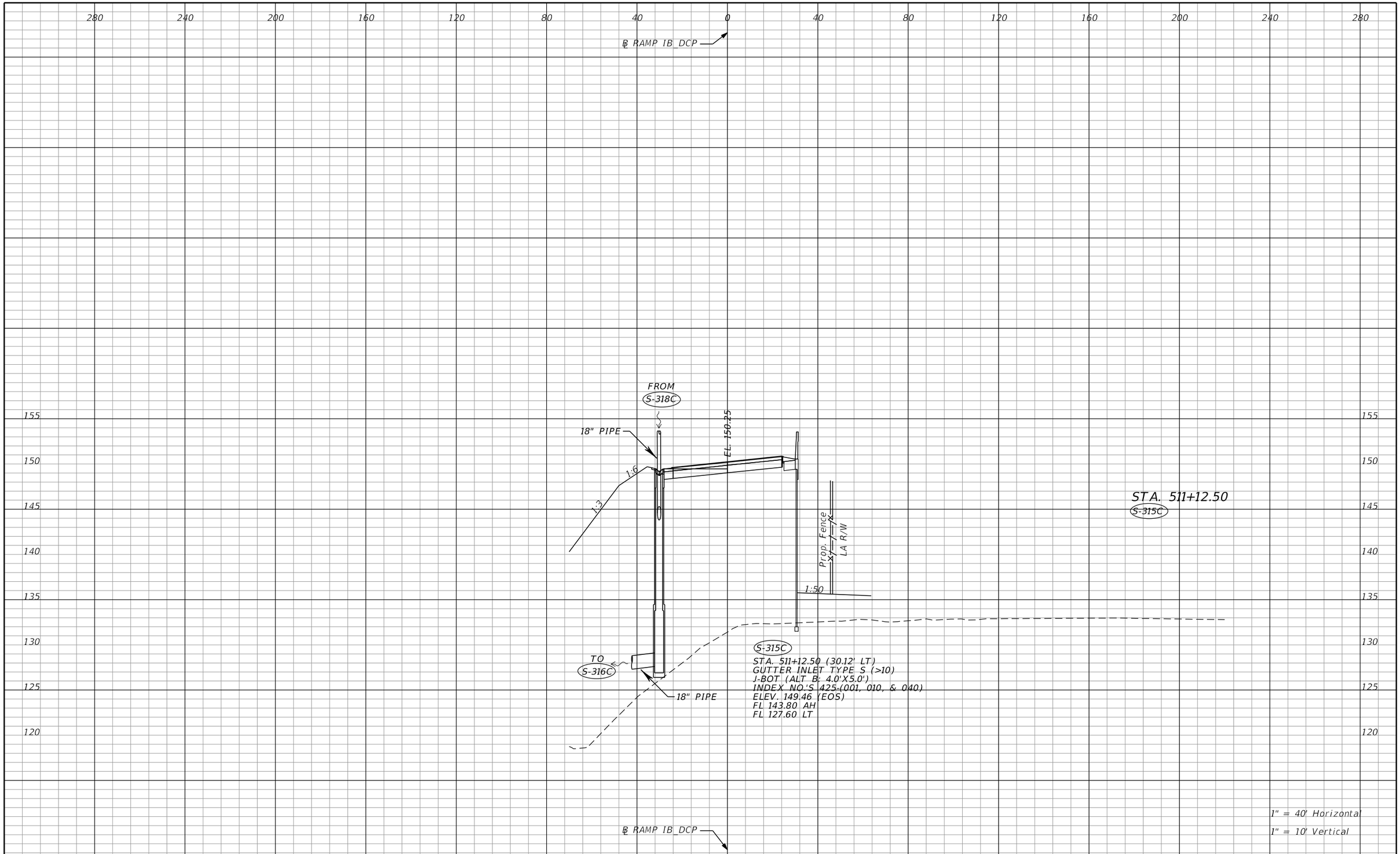
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 280

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:20:33 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD03_IB_DCP.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 281

robert.martini 8/22/2019 11:20:33 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD03_IB_DCP.DGN

280 240 200 160 120 80 40 0 40 80 120 160 200 240 280

℄ RAMP IB_DCP

155 150 145 140 135 130 125 120 115

EL. 153.22

S-317C

STA. 512+80.10 (30.00' RT)
BARRIER WALL INLET
INDEX NO.'S 425-(001 & 031)
ELEV. 152.69 (GRATE)
FL 147.40 LT

18" PIPE

1:6

1:3

18" PIPE

TO S-315C

S-318C

STA. 512+80.10 (30.12' LT)
GUTTER INLET TYPE S
INDEX NO.'S 425-(001 & 040)
ELEV. 152.59 (EOS)
FL 147.30 RT
FL 144.20 BK

Prop. Fence
LA R/W

1:50

Exist. LA R/W

ST.A. 512+80.10
S-317C
S-318C

1" = 40' Horizontal
1" = 10' Vertical

℄ RAMP IB_DCP

280 240 200 160 120 80 40 0 40 80 120 160 200 240 280

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

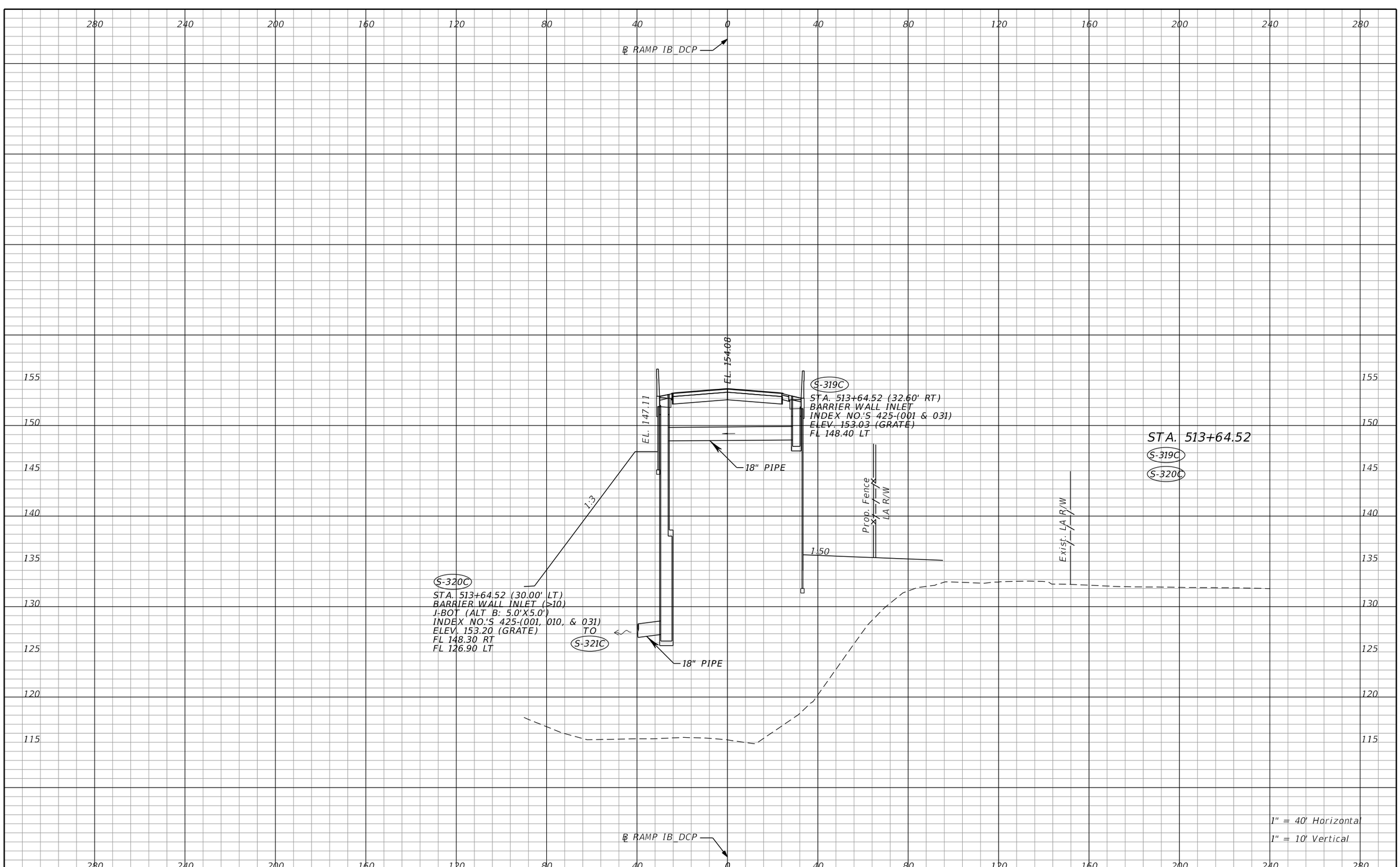
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 282

robert.martini 8/22/2019 11:20:34 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD03_IB_DCP.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

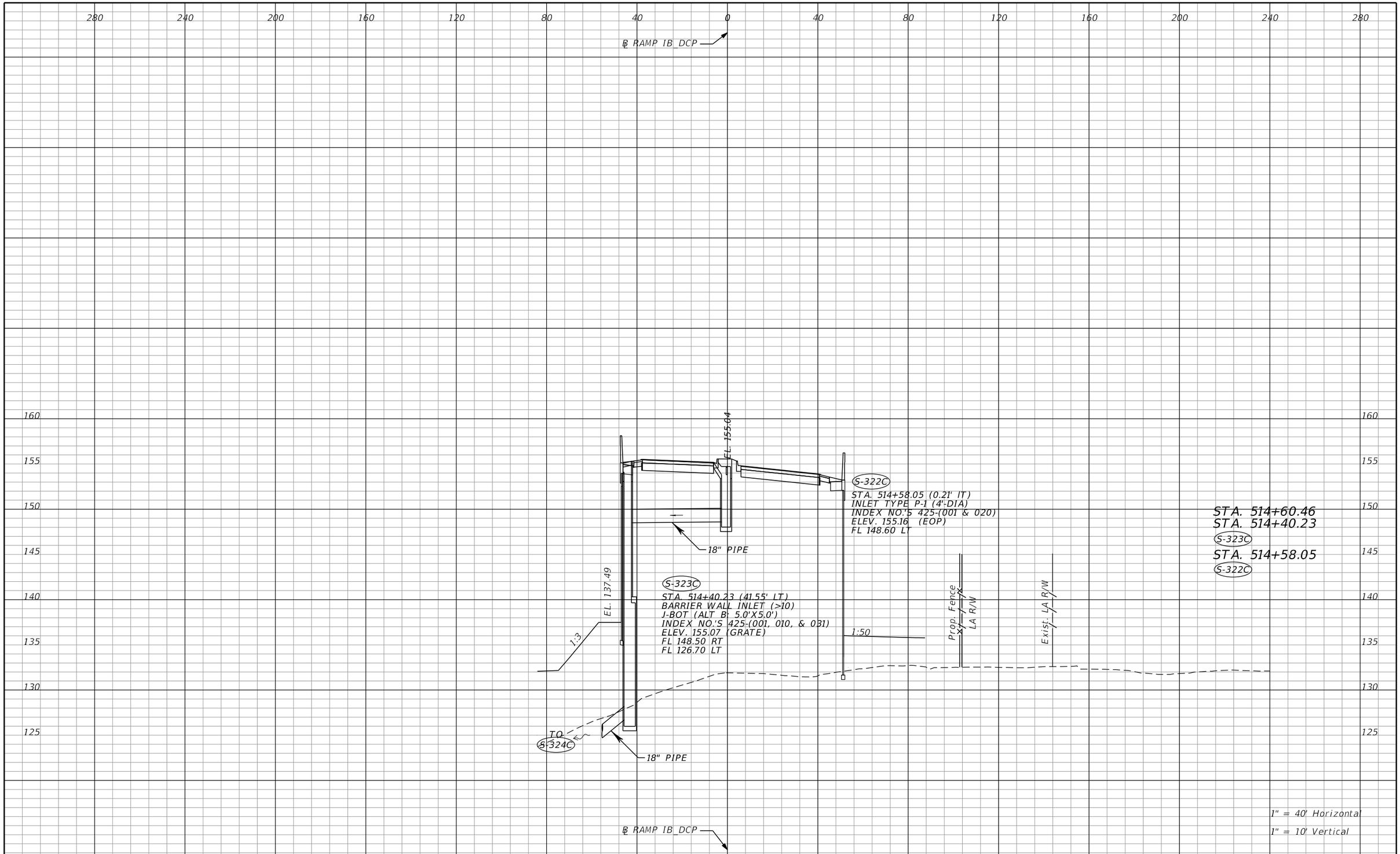
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 283

robert.martini 8/22/2019 11:20:35 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD03_IB_DCP.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

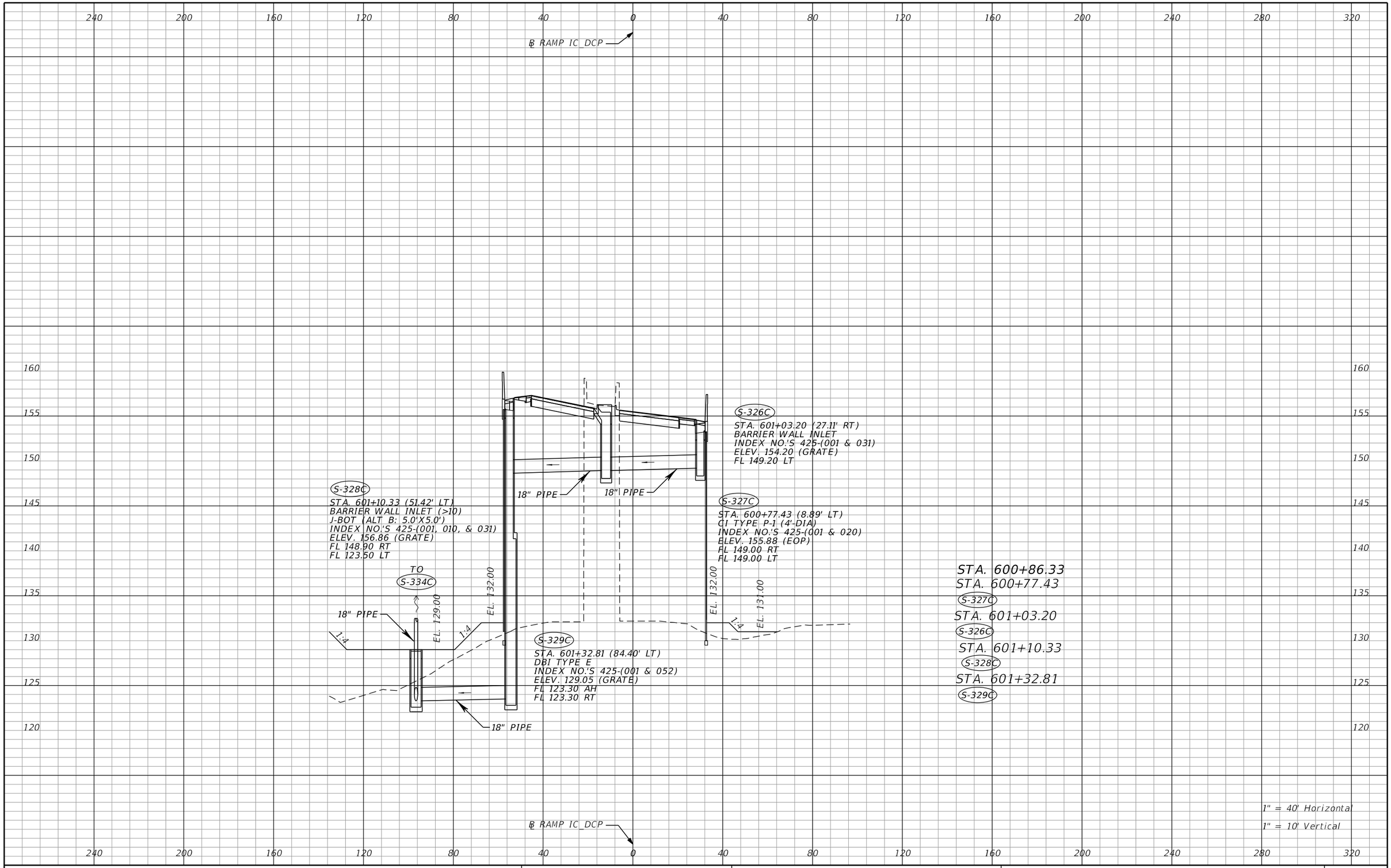
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 284

robert.martini 8/22/2019 11:20:36 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD03_IB_DCP.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

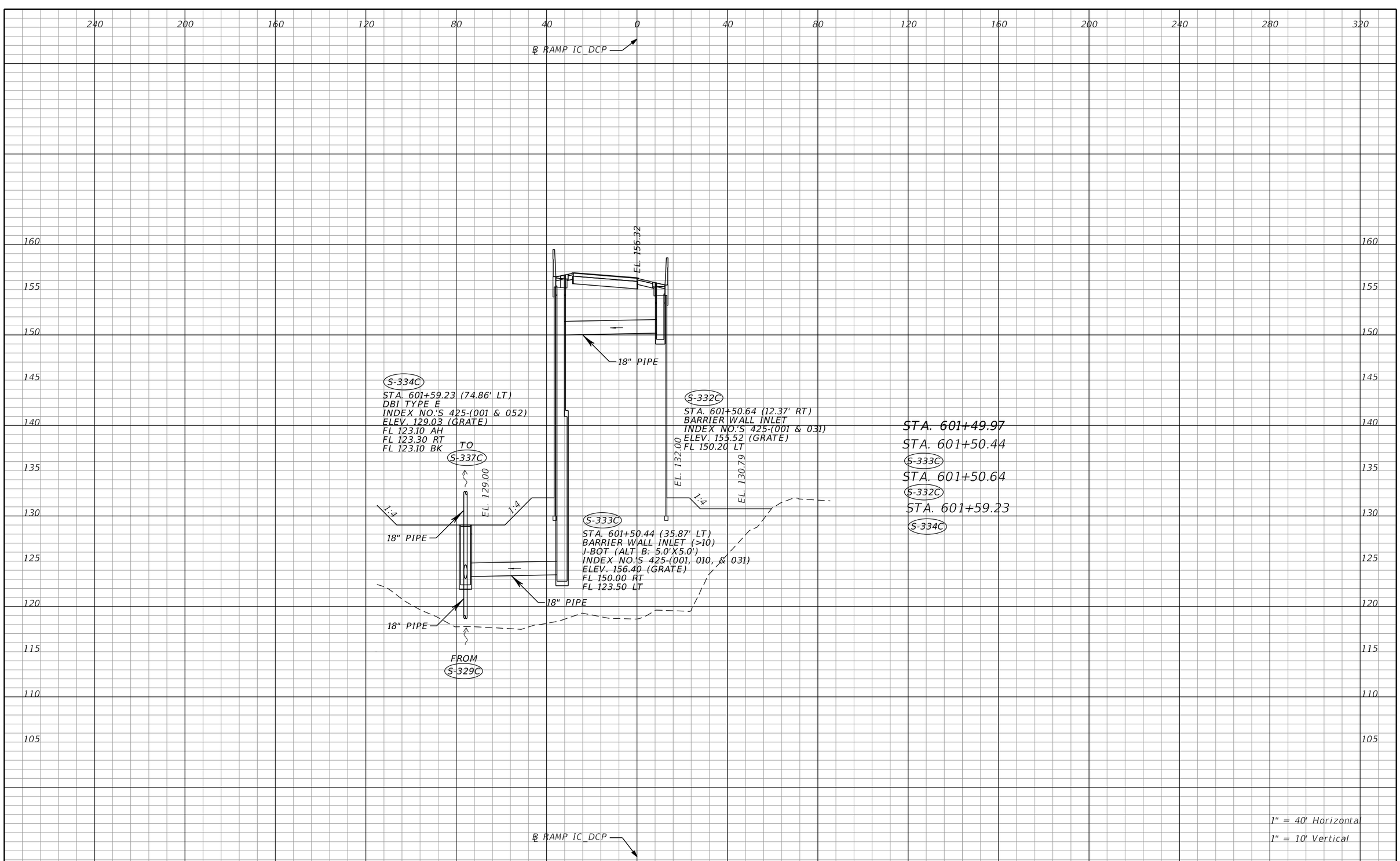
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 285

robert.martini 8/22/2019 11:20:39 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD04_IC_DCP.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

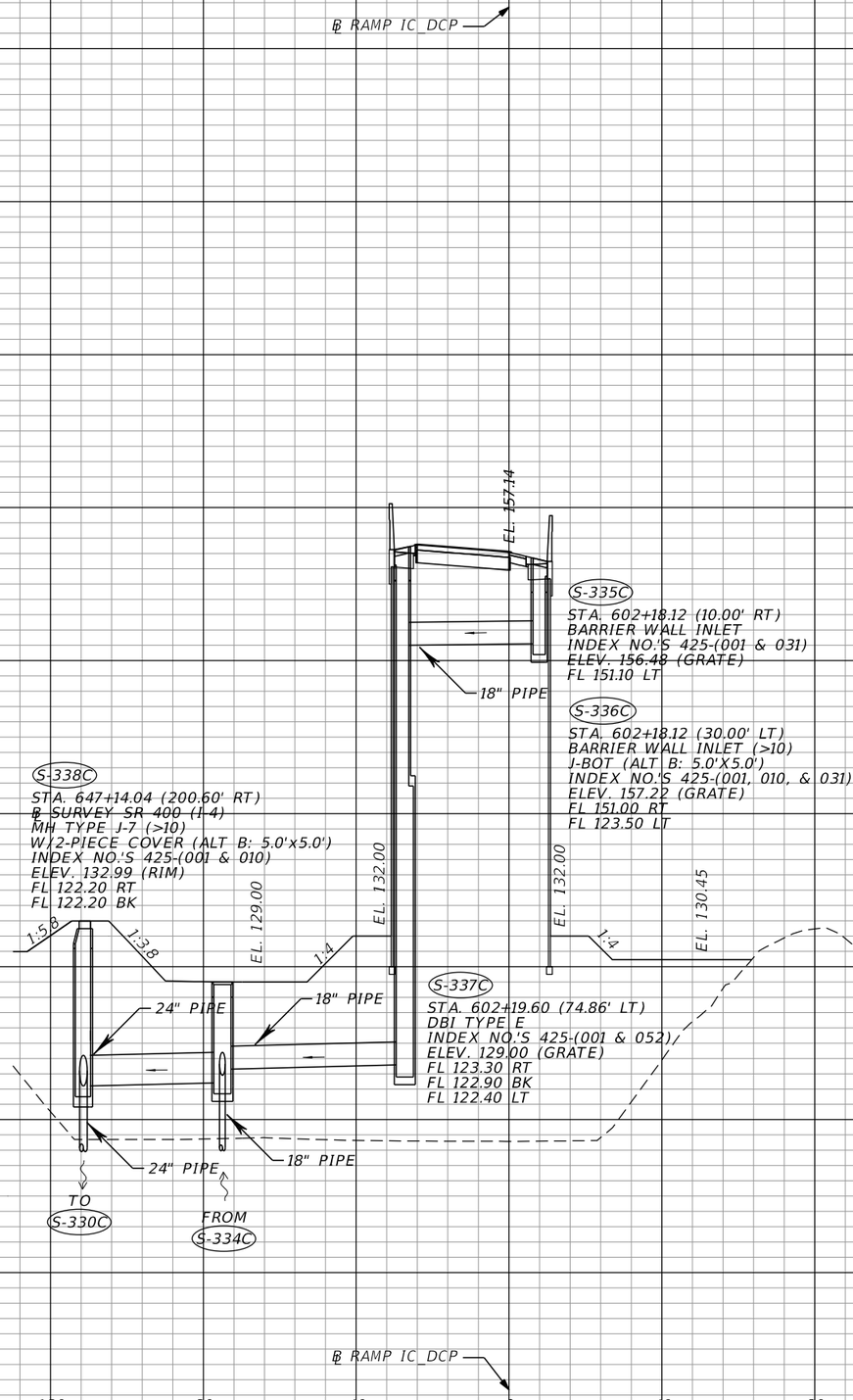
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 286

robert.martini 8/22/2019 11:20:39 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD04_IC_DCP.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

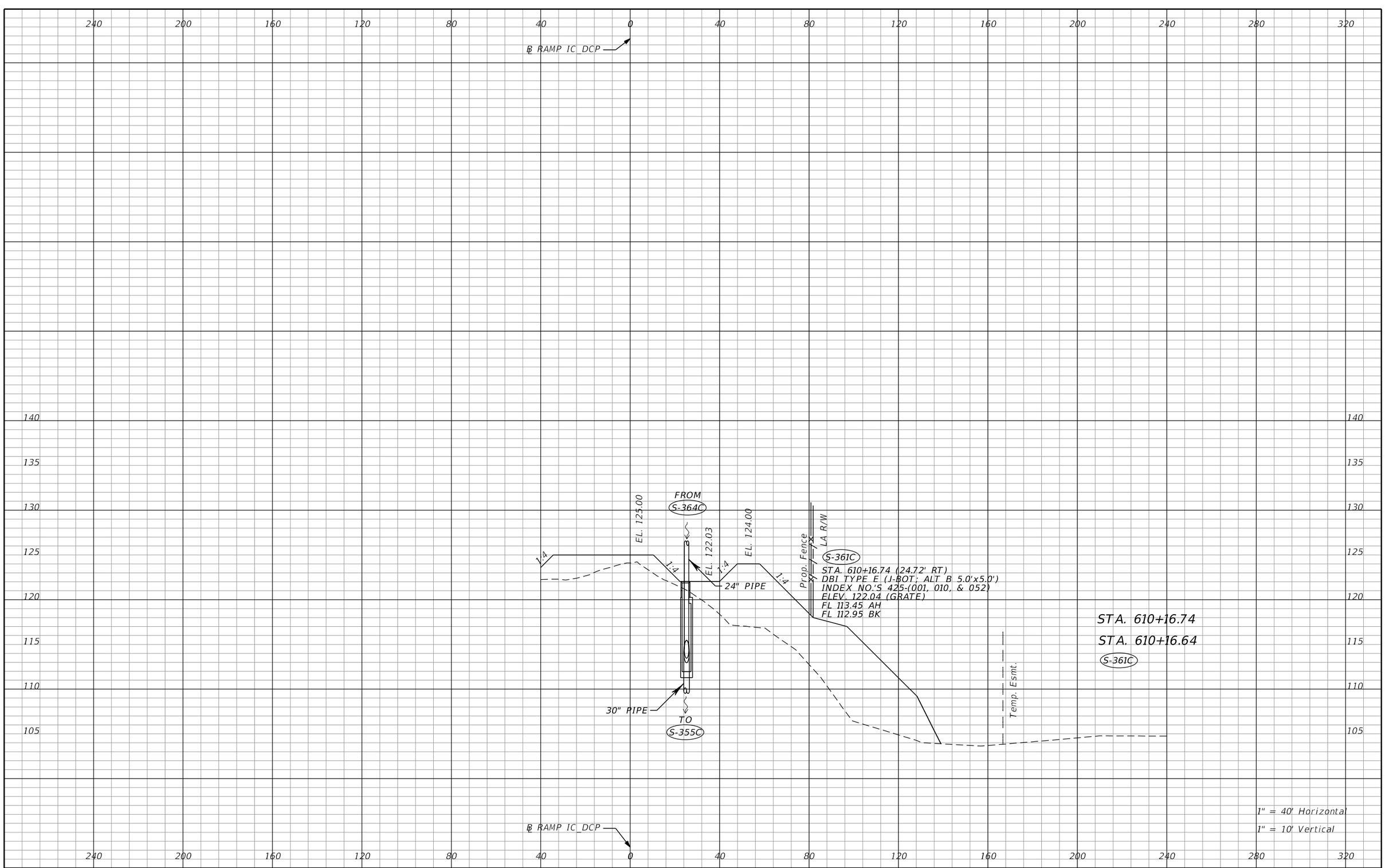
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 287



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

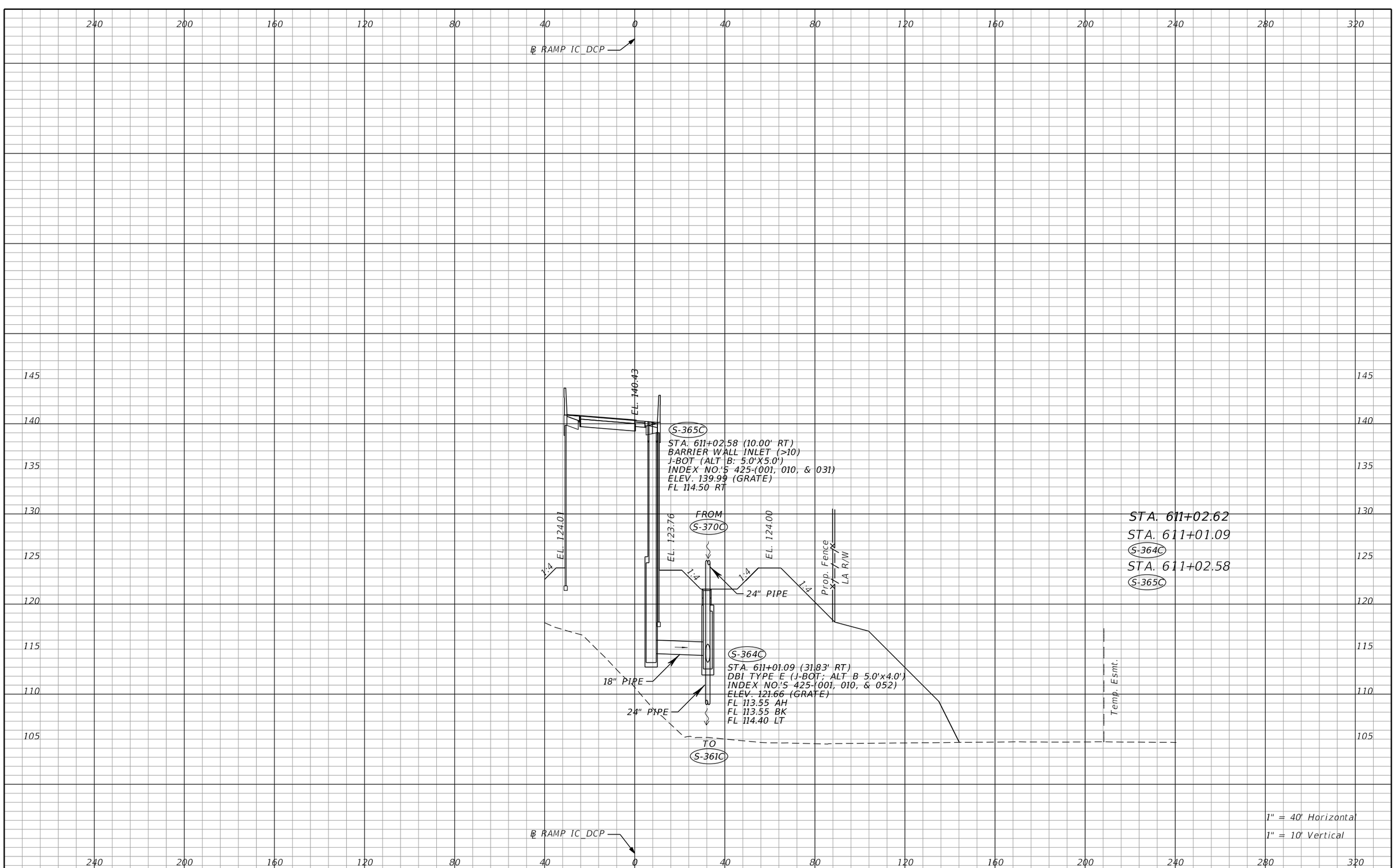
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 288



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

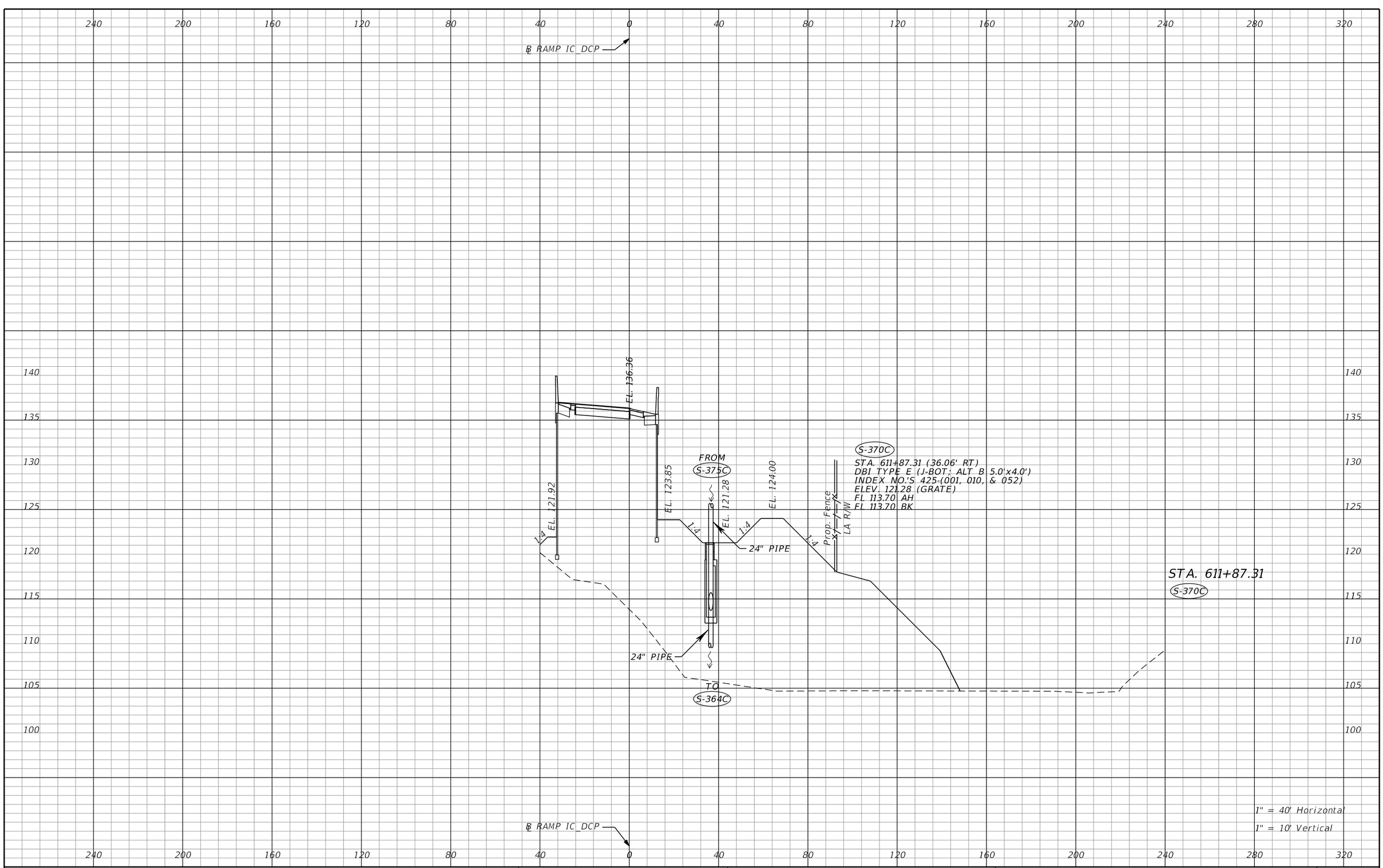
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 289

robert.martini 8/22/2019 11:20:42 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD04_IC_DCP.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

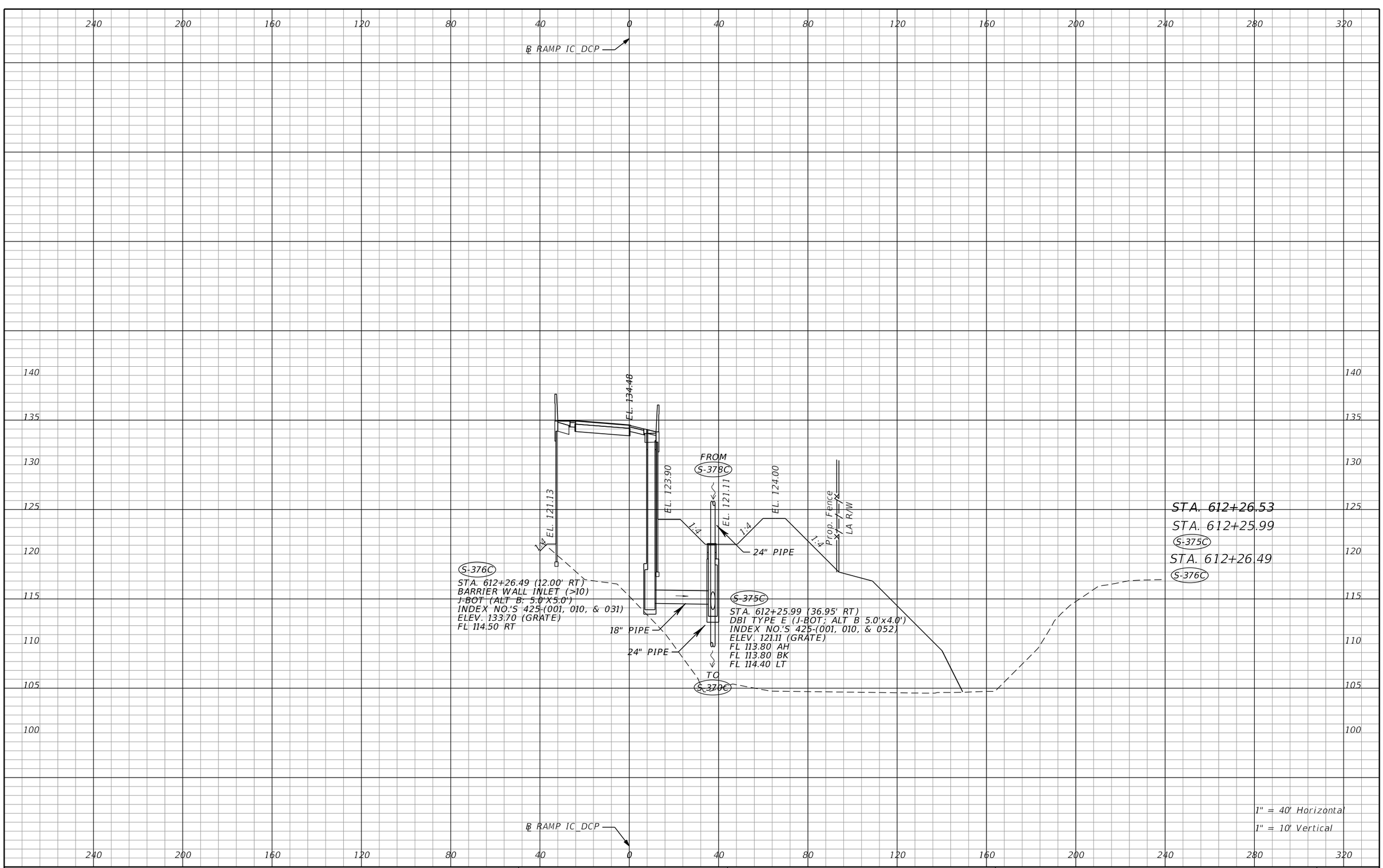
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 290

robert.martini 8/22/2019 11:20:43 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD04_IC_DCP.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

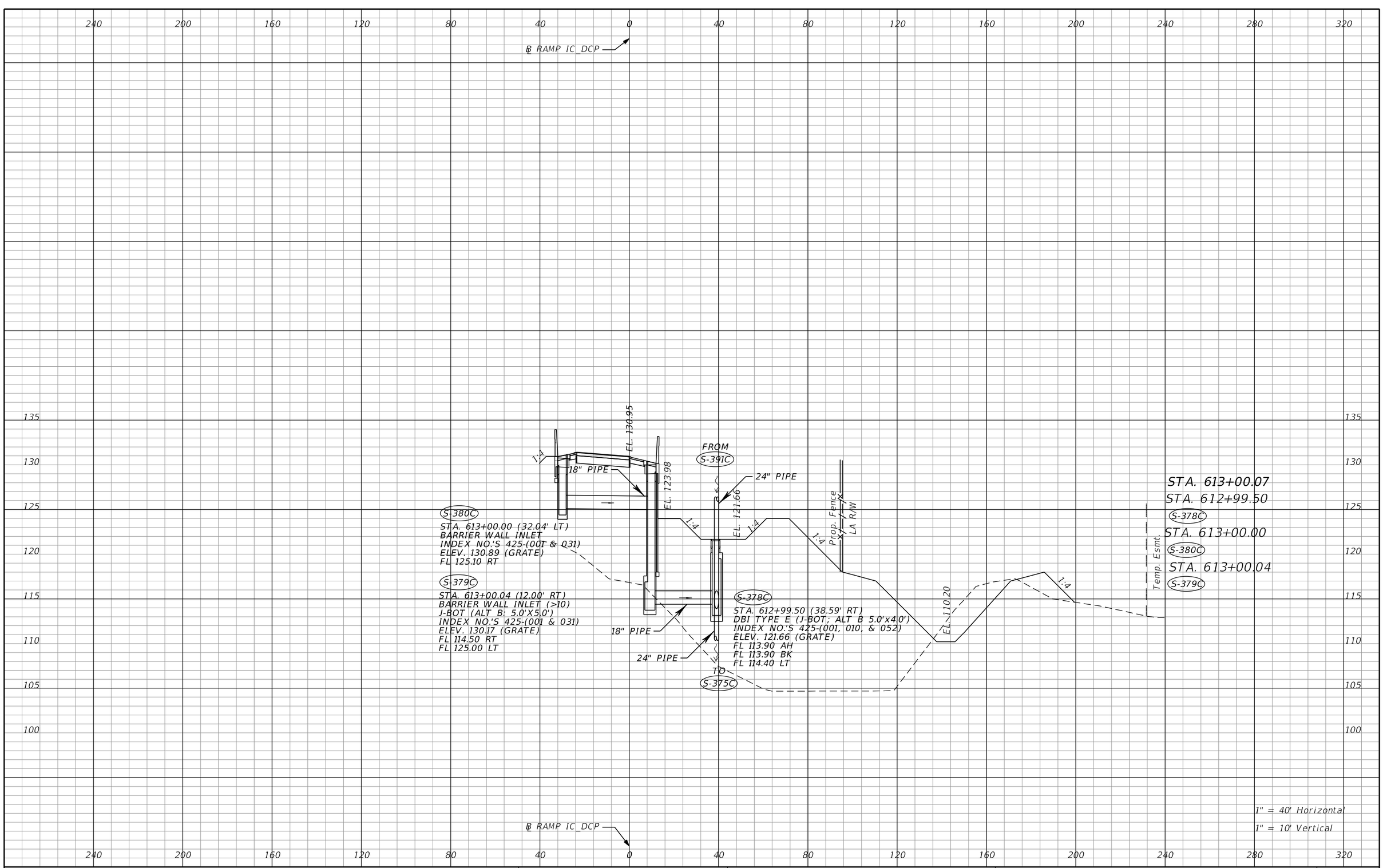
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 291

robert.martini 8/22/2019 11:20:43 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD04_IC_DCP.DGN



1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

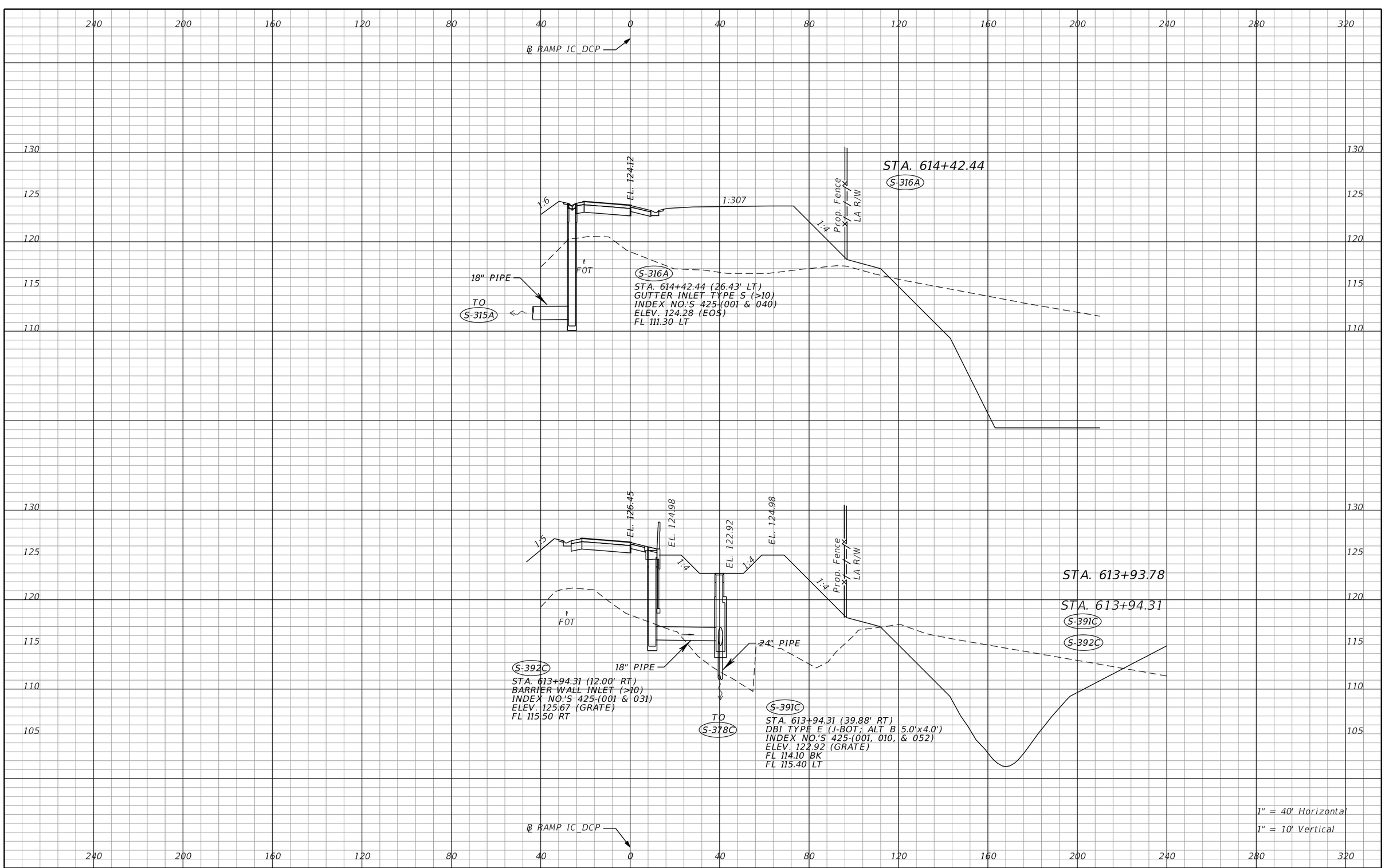
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 292

robert.martini 8/22/2019 11:20:44 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD04_IC_DCP.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

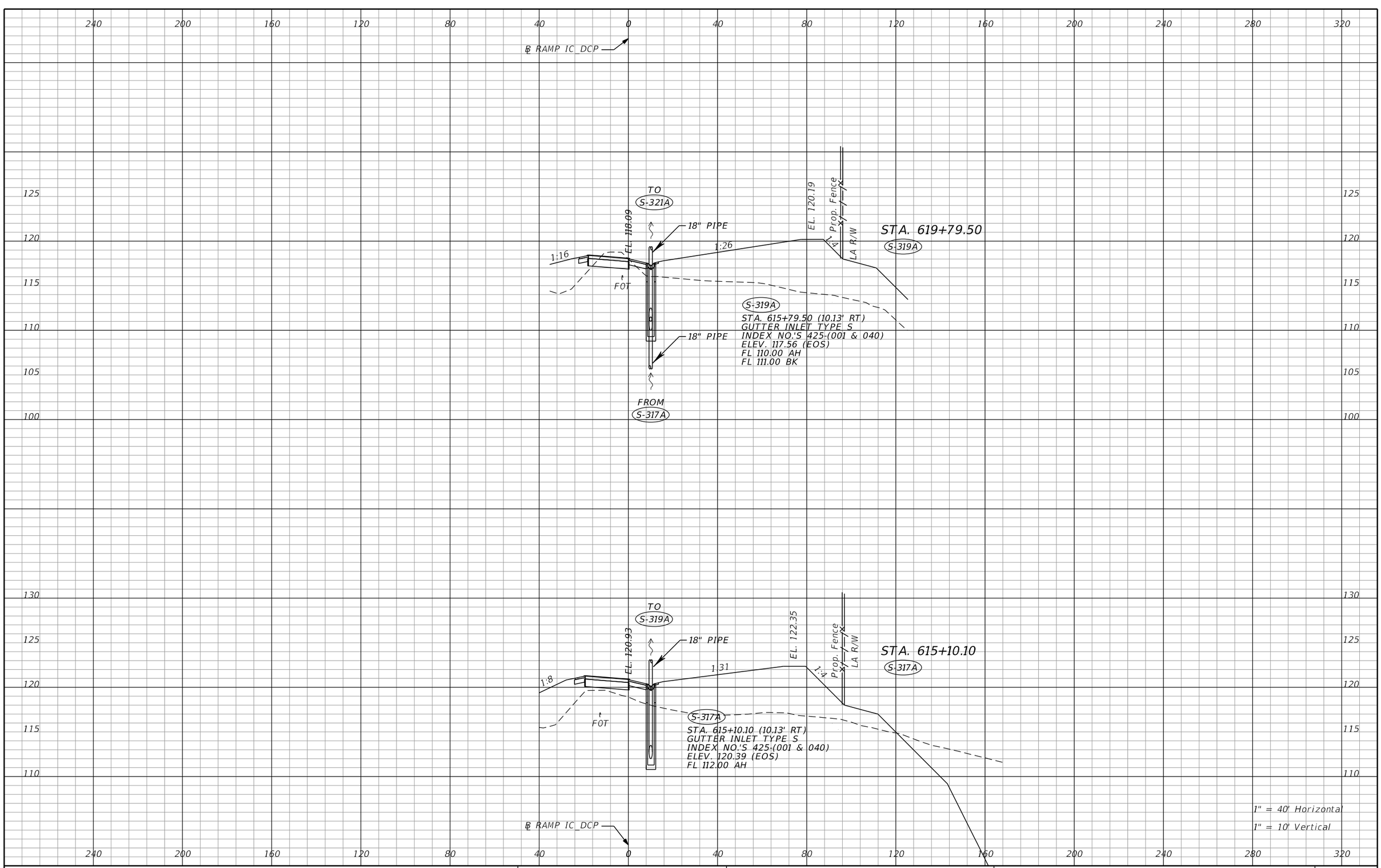
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 293



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 294

robert.martini 8/22/2019 11:20:46 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD04_IC_DCP.DGN

240 200 160 120 80 40 0 40 80 120 160 200 240 280 320

℄ RAMP IC_DCP

TO
S-323A

EL. 114.68

EL. 114.54

18" PIPE

1:24

Prop. Fence
LA R/W

STA. 616+90.80
S-321A

18" PIPE

FROM
S-319A

S-321A
STA. 616+90.80 (10.13' RT)
GUTTER INLET TYPE S
INDEX NO.'S 425-(001 & 040)
ELEV. 114.00 (EOS)
FL 108.00 AH
FL 109.00 BK

℄ RAMP IC_DCP

125 120 115 110 105 100 95 90

1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 295

robert.martini 8/22/2019 11:20:47 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD04_IC_DCP.DGN

℄ RAMP IC_DCP

S-323A
STA. 617+82.26 (10.13' RT)
GUTTER INLET TYPE S
INDEX NO.'S 425-(001 & 040)
ELEV. 112.00 (EOS)
FL 107.00 RT
FL 107.00 BK
FL 107.00 LT

EL. 112.55

1:9

1:15

Prop. Fence

LA R/W

EL. 105.26

STA. 617+82.26
S-323A
S-324A

FROM BE
S-322A

FOT

18" PIPE

18" PIPE

18" PIPE

10'X20'X18"
RUBBLE RIP RAP
(DITCH LINING)

FROM
S-321A

S-324A
STA. 617+82.26 (79.10' RT)
STRAIGHT CONCRETE ENDWALL
INDEX NO. 430-030
ELEV. 105.26 FL

℄ RAMP IC_DCP

1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

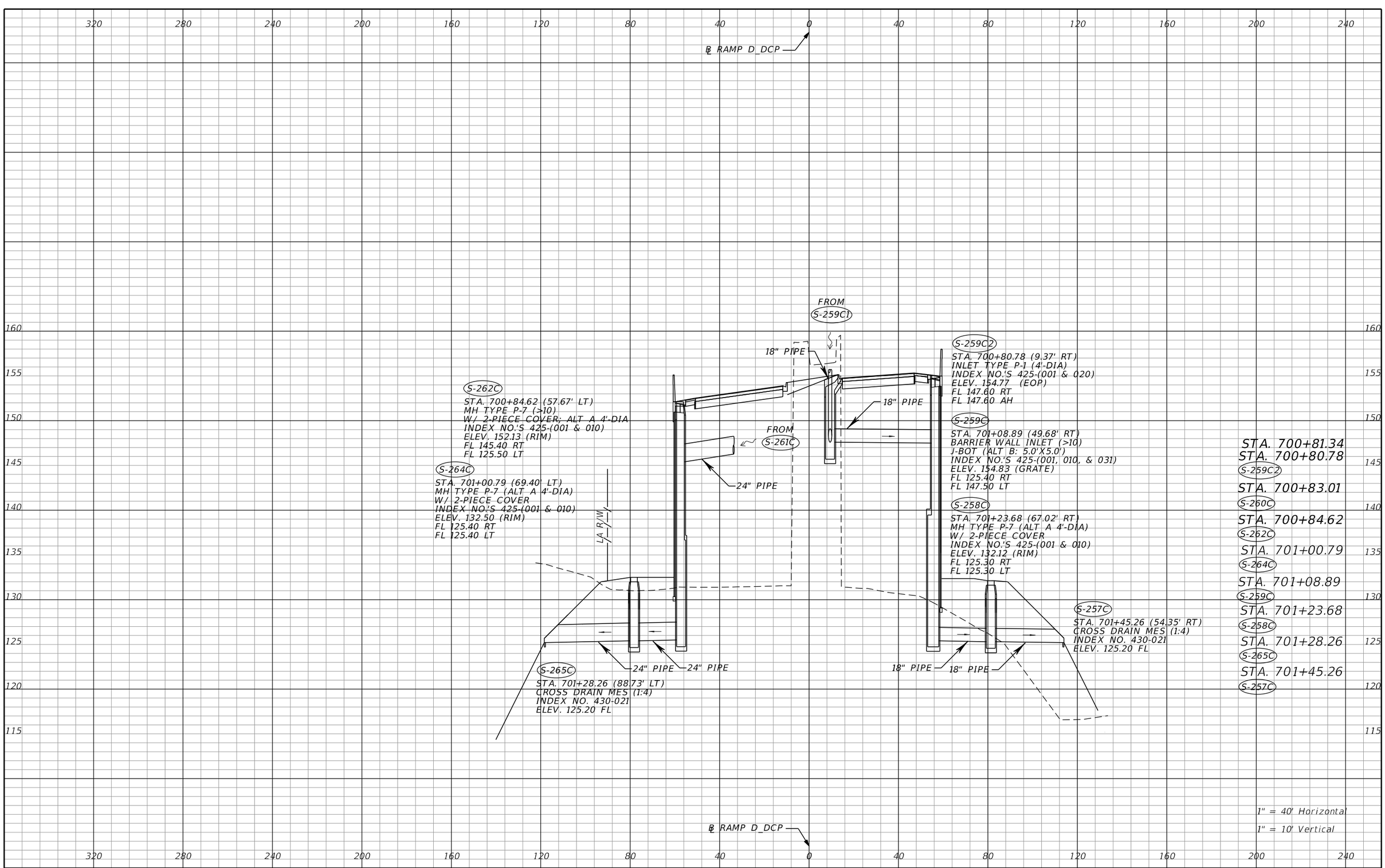
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 296



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

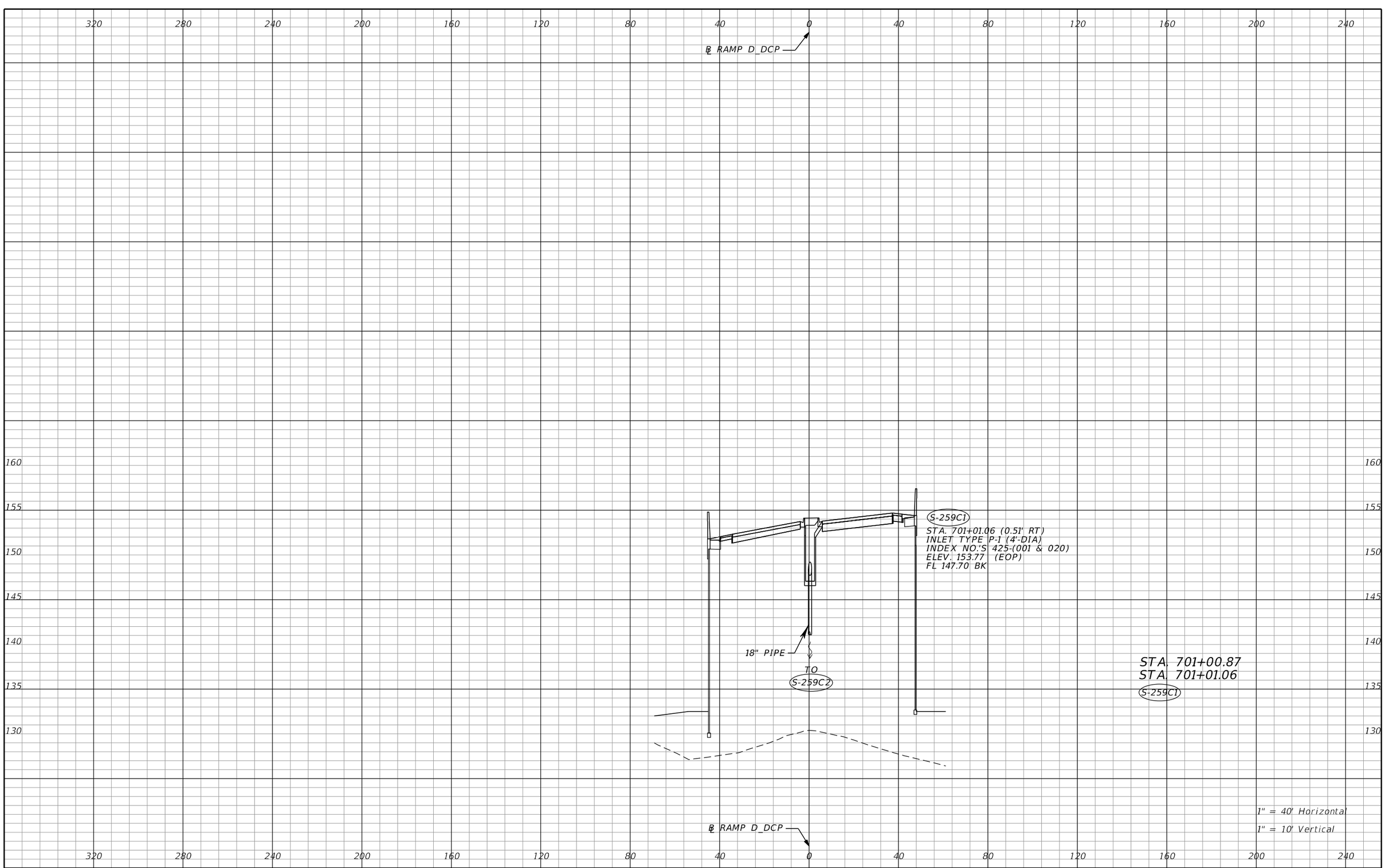
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 297

robert.martini 8/22/2019 11:20:53 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD05_D_DCP.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 298

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:20:55 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD05_D_DCP.DGN

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

℄ RAMP D_DCP

155 150 145 140 135 130 125 120 115

R/W

S-267C
STA. 701+61.62 (33.78' LT)
BARRIER WALL INLET (>10)
J-BOT (ALT B: 5.0'X5.0')
INDEX NO.'S 425-(001, 010, & 031)
ELEV. 151.28 (GRATE)
FL 146.30 RT
FL 125.40 LT

EL. 152.40

S-266C
STA. 701+61.71 (30.45' RT)
BARRIER WALL INLET
INDEX NO.'S 425-(001 & 031)
ELEV. 151.51 (GRATE)
FL 146.50 LT

18" PIPE

LA R/W

S-269C
STA. 701+61.44 (75.43' LT)
CROSS DRAIN MES (1:4)
INDEX NO. 430-021
ELEV. 125.20 FL

S-268C
STA. 701+61.53 (47.51' LT)
MH TYPE P-7 (ALT A 4'-DIA)
W/ 2-PIECE COVER
INDEX NO.'S 425-(001 & 010)
ELEV. 132.25 (RIM)
FL 125.30 RT
FL 125.30 LT

18" PIPE

STA. 701+61.53
S-268C
STA. 701+61.44
S-269C
STA. 701+61.62
S-267C
STA. 701+61.71
S-266C

1" = 40' Horizontal
1" = 10' Vertical

℄ RAMP D_DCP

320 280 240 200 160 120 80 40 0 40 80 120 160 200 240

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

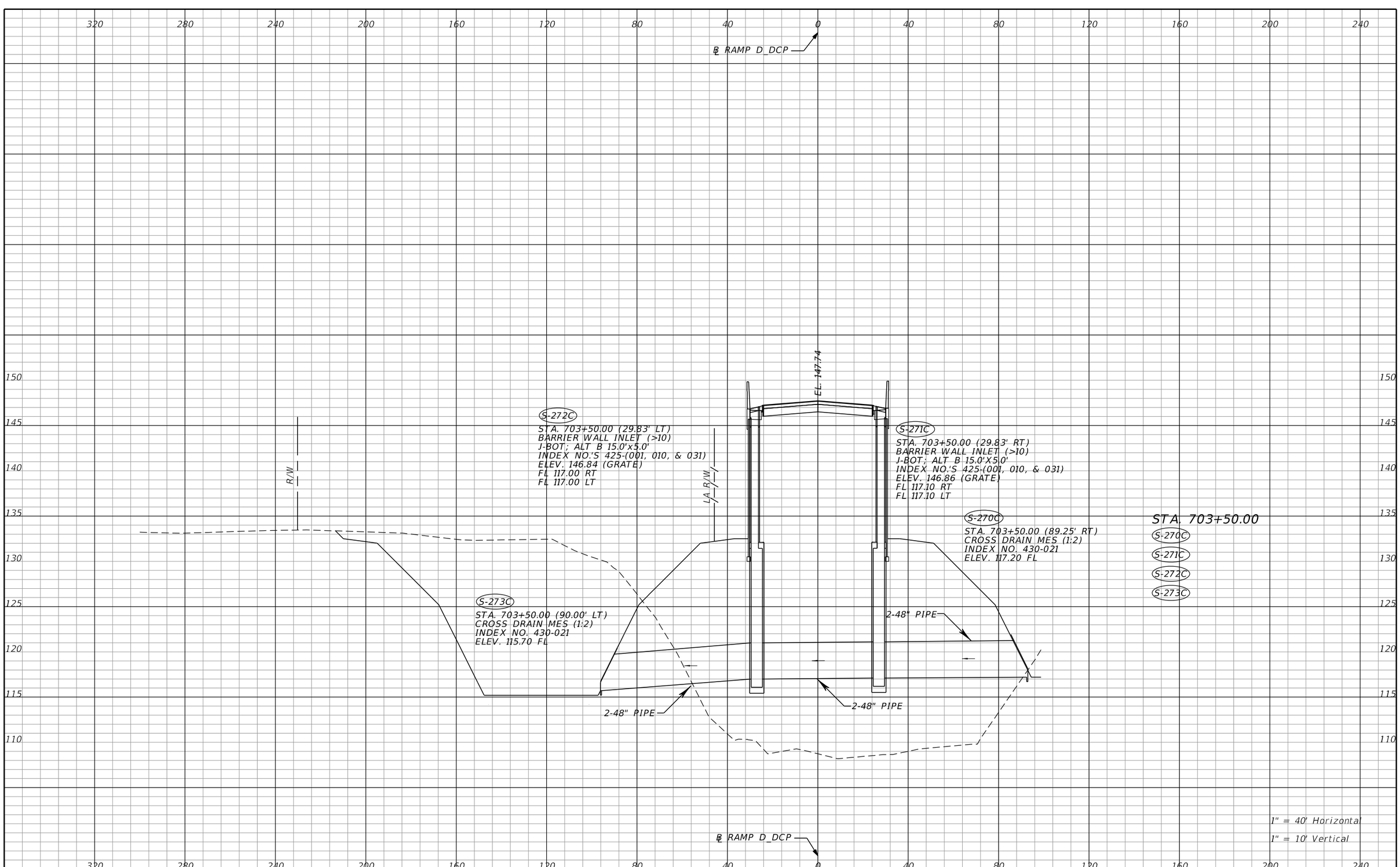
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 299

robert.martini 8/22/2019 11:20:57 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD05_D_DCP.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

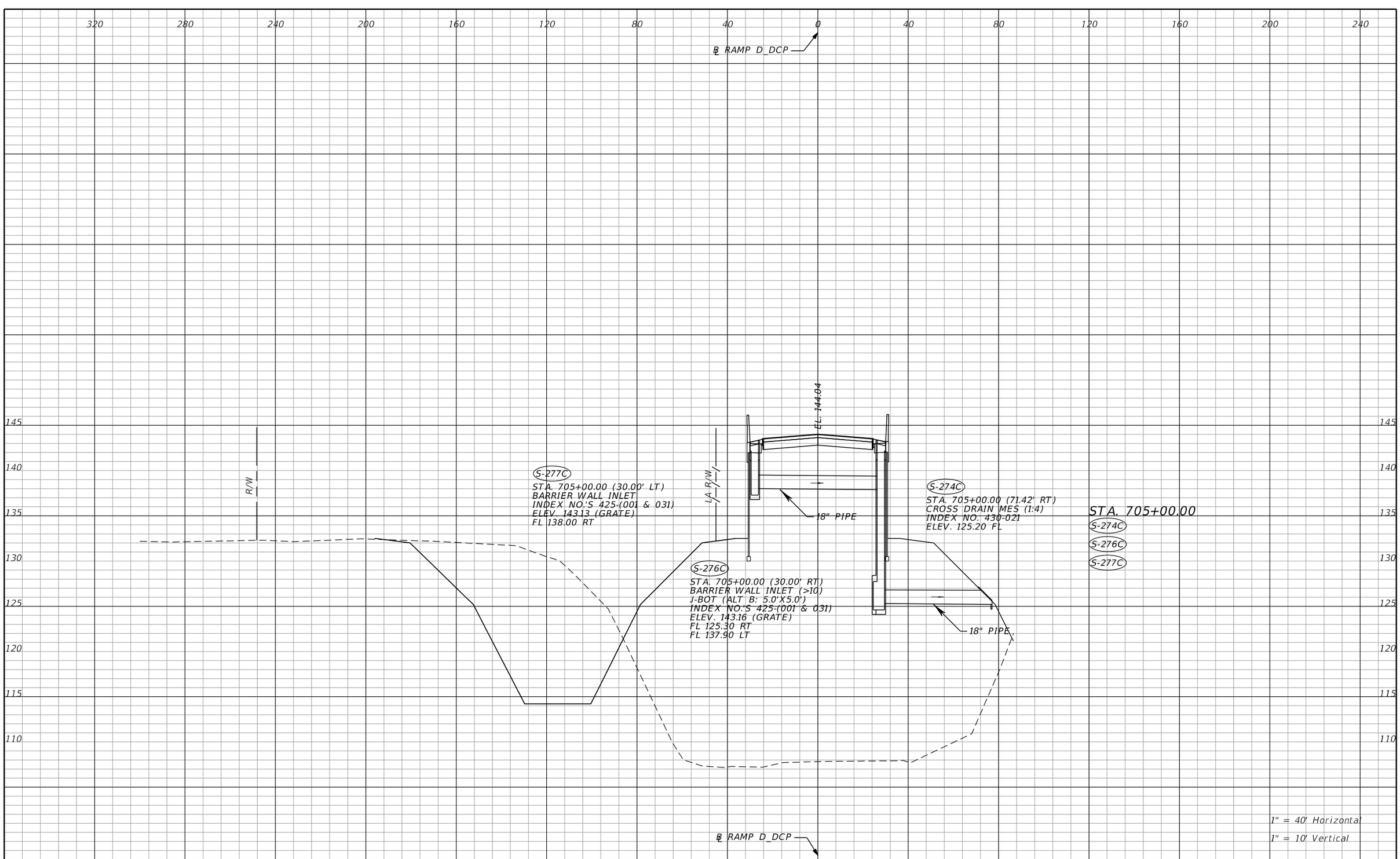
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 300

robert.martini 8/22/2019 11:20:59 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD05_D_DCP.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

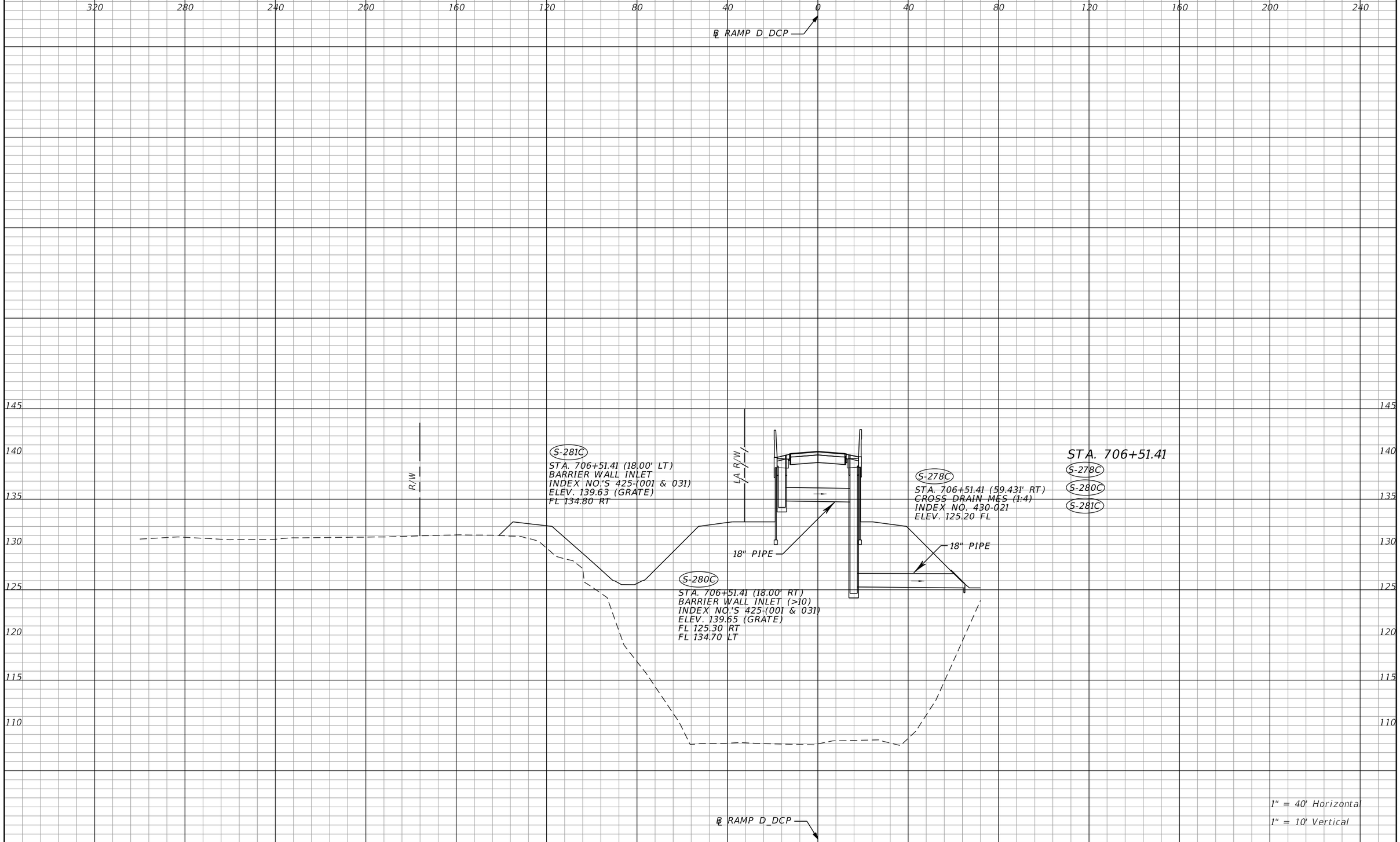
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 301

robert.martini 8/22/2019 11:21:01 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD05_D_DCP.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

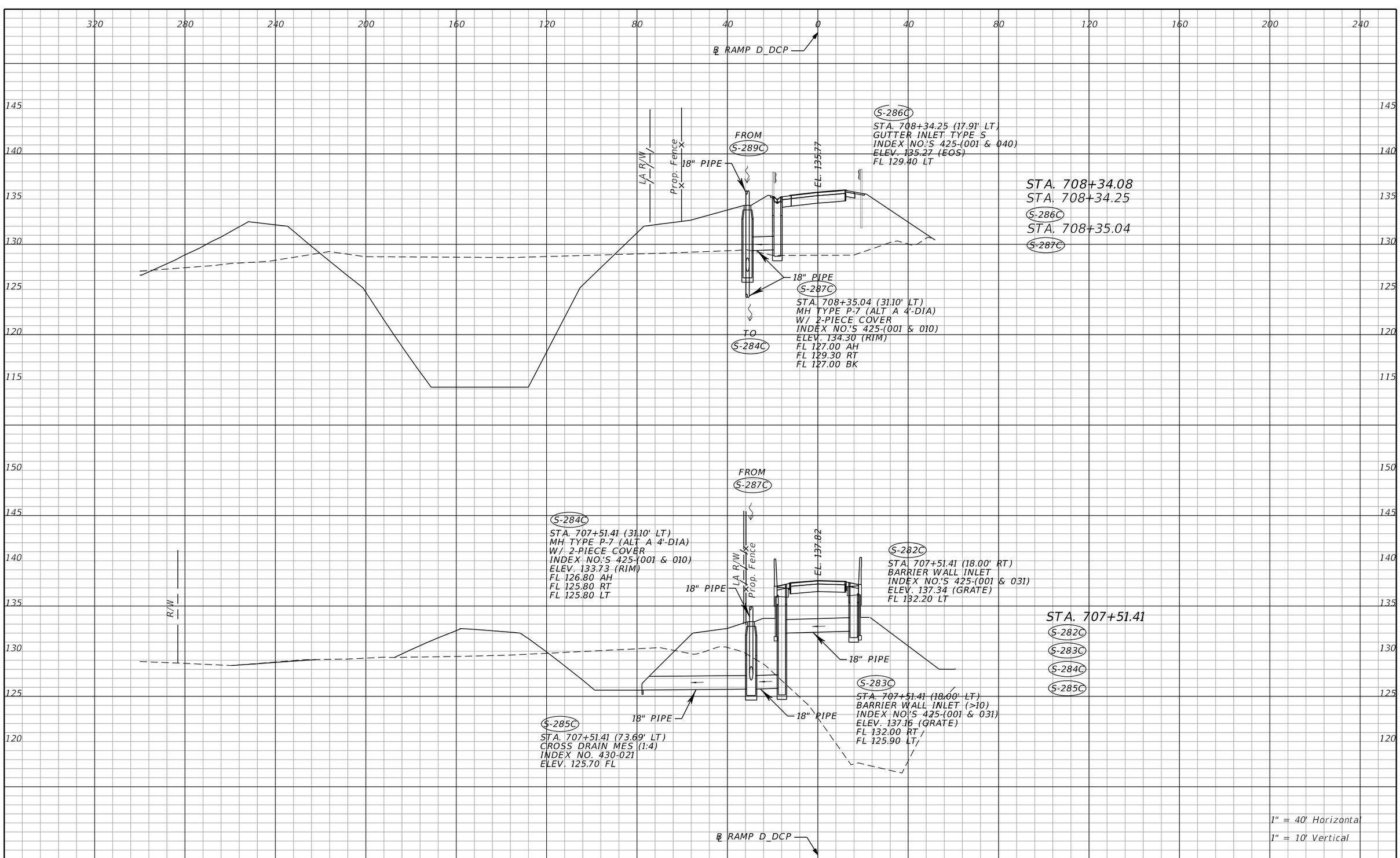
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 302

robert.martini 8/22/2019 11:21:03 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD05_D_DCP.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

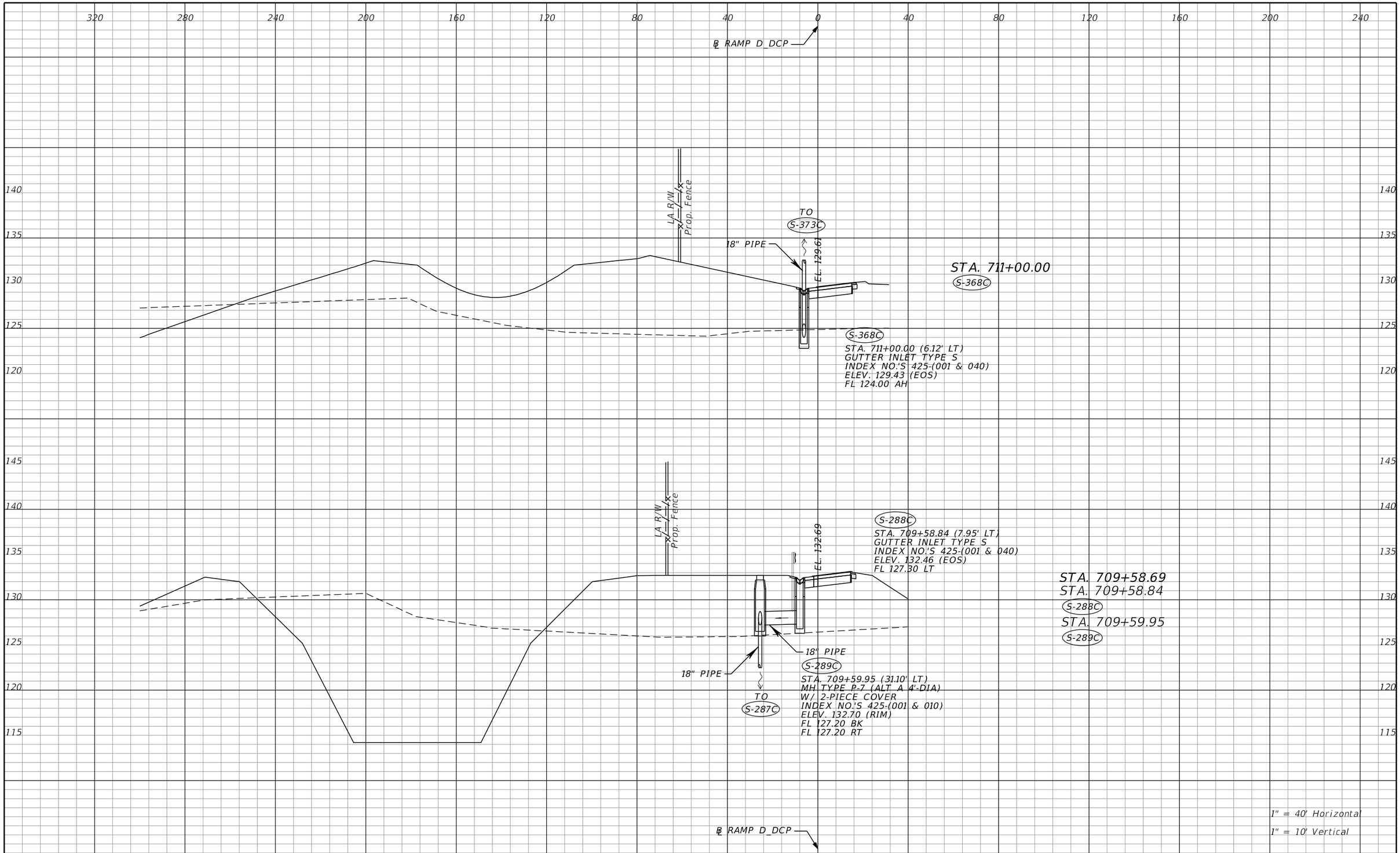
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 303

robert.martini 8/22/2019 11:21:05 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD05_D_DCP.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

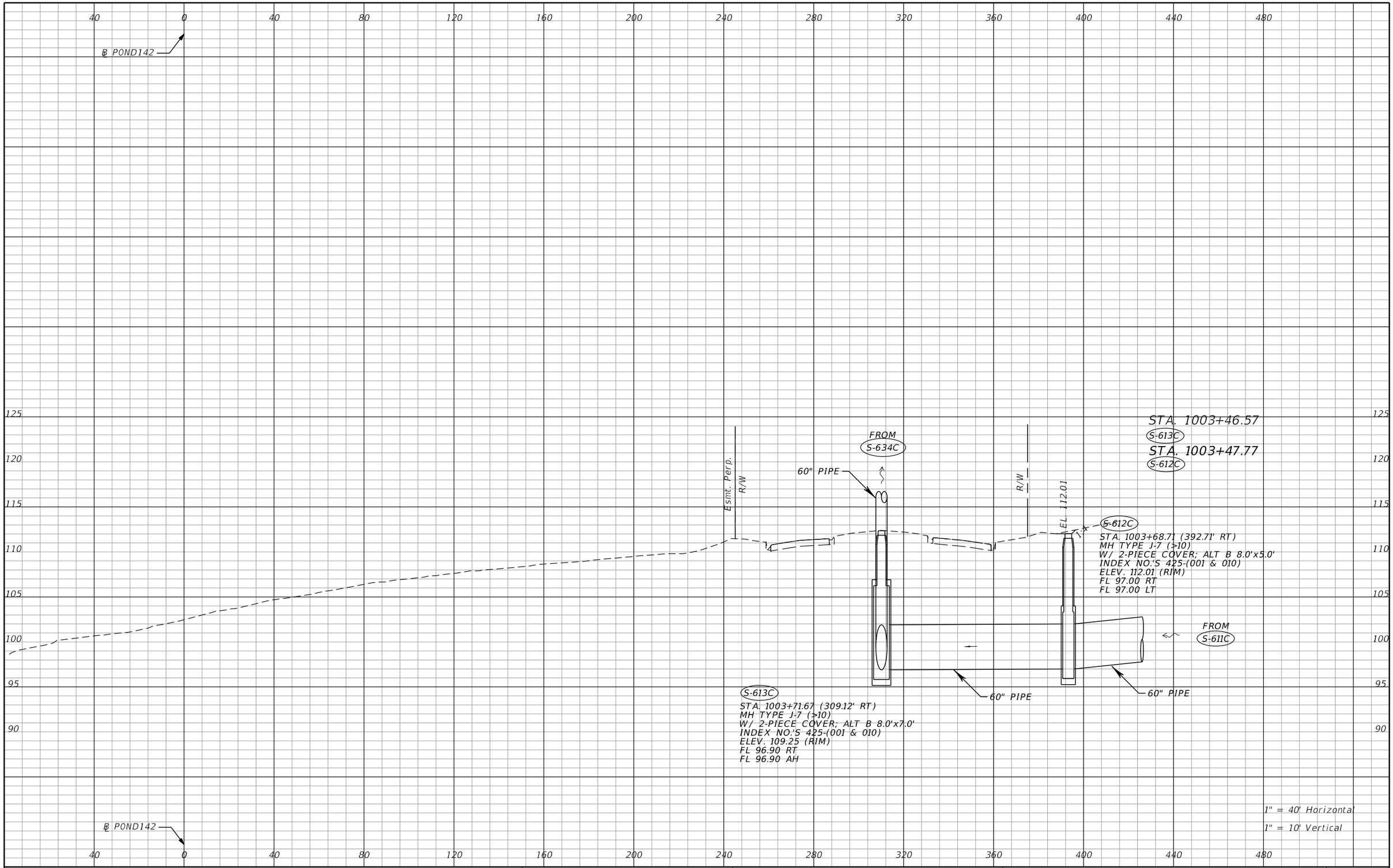
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 304

robert.martini 8/22/2019 11:21:07 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD05_D_DCP.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

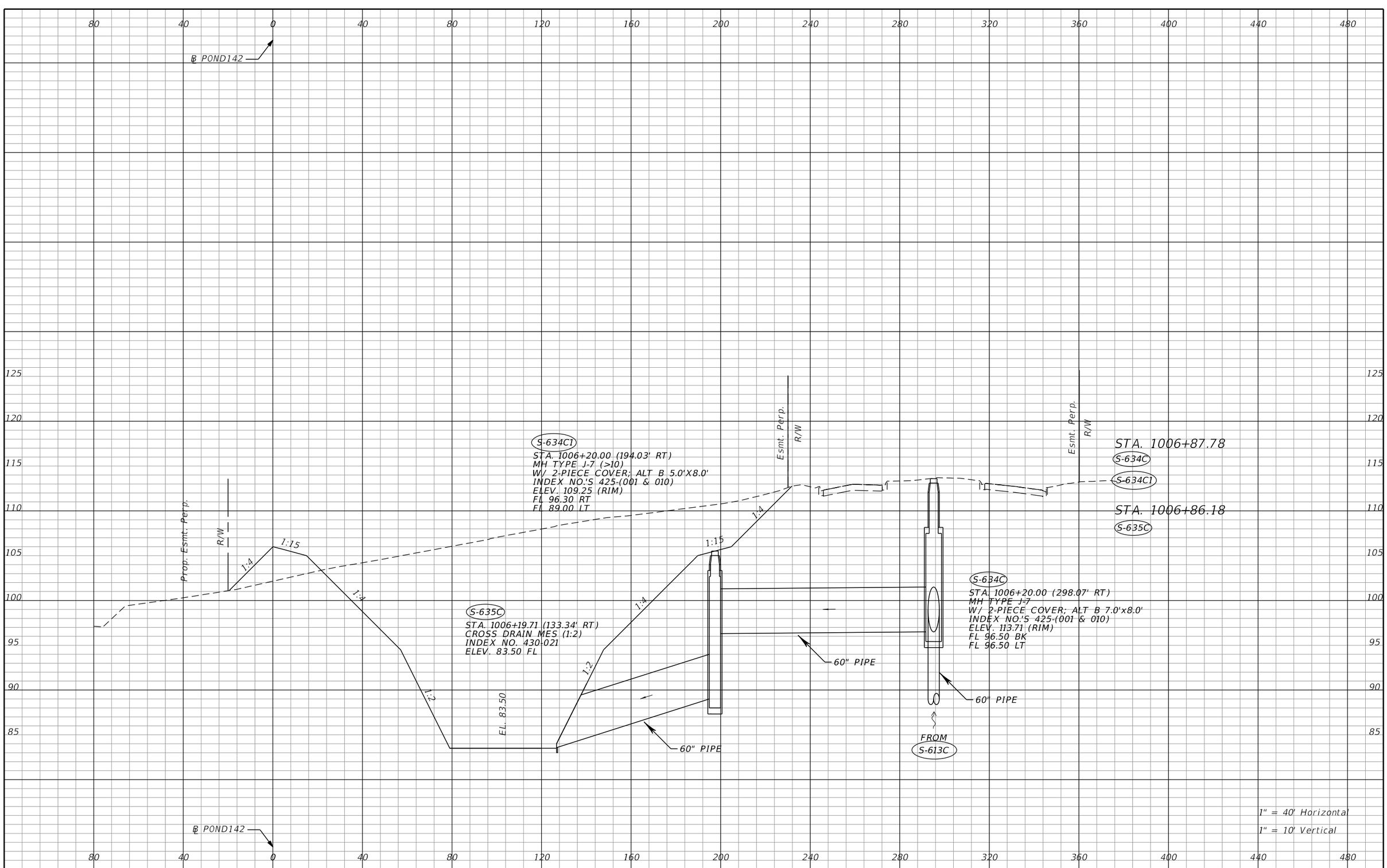
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 305

robert.martini 8/22/2019 11:21:10 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD07_POND142.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 306

robert.martini 8/22/2019 11:21:11 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD07_POND142.DGN

℄ POND142

TO
CS-142B3

18" PIPE

Esmt. Perp.

R/W

CS-142B1

STA. 1015+61.62 (22.16' RT)
MODIFIED DBI TYPE E (SEE CONTROL STRUCTURE DETAIL)
INDEX NO.'S 425-(001 & 052)
ELEV. 104.00 (GRATE)
FL 94.50 LT

1:15

1:4

1:4

18" PIPE

CS-142B2

STA. 1015+61.62 (26.19' LT)
MH TYPE P-7 (W/ 2-PIECE COVER; 4.0' DIA)
INDEX NO.'S 425-(001 & 010)
ELEV. 102.00 (RIM)
FL 93.40 AH
FL 94.40 RT

1:2

EL 83.50

1:2

FROM
CS-142B2

10'X20'X18"
RUBBLE RIP RAP
(DITCH LINING)

18" PIPE

1:4

1:15

1:4

R/W

R/W

CS-142B3

STA. 1018+30.29 (13.76' LT)
STRAIGHT CONC. EW (1:2)
INDEX NO.'S 430-030
FL 92.69 LT

STA. 1015+61.59
STA. 1015+61.62
CS-142B1
CS-142B2
STA. 1018+30.29
CS-142B3

1" = 40' Horizontal
1" = 10' Vertical

℄ POND142

80 40 0 40 80 120 160 200 240 280 320 360 400 440 480

120 115 110 105 100 95 90 85

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

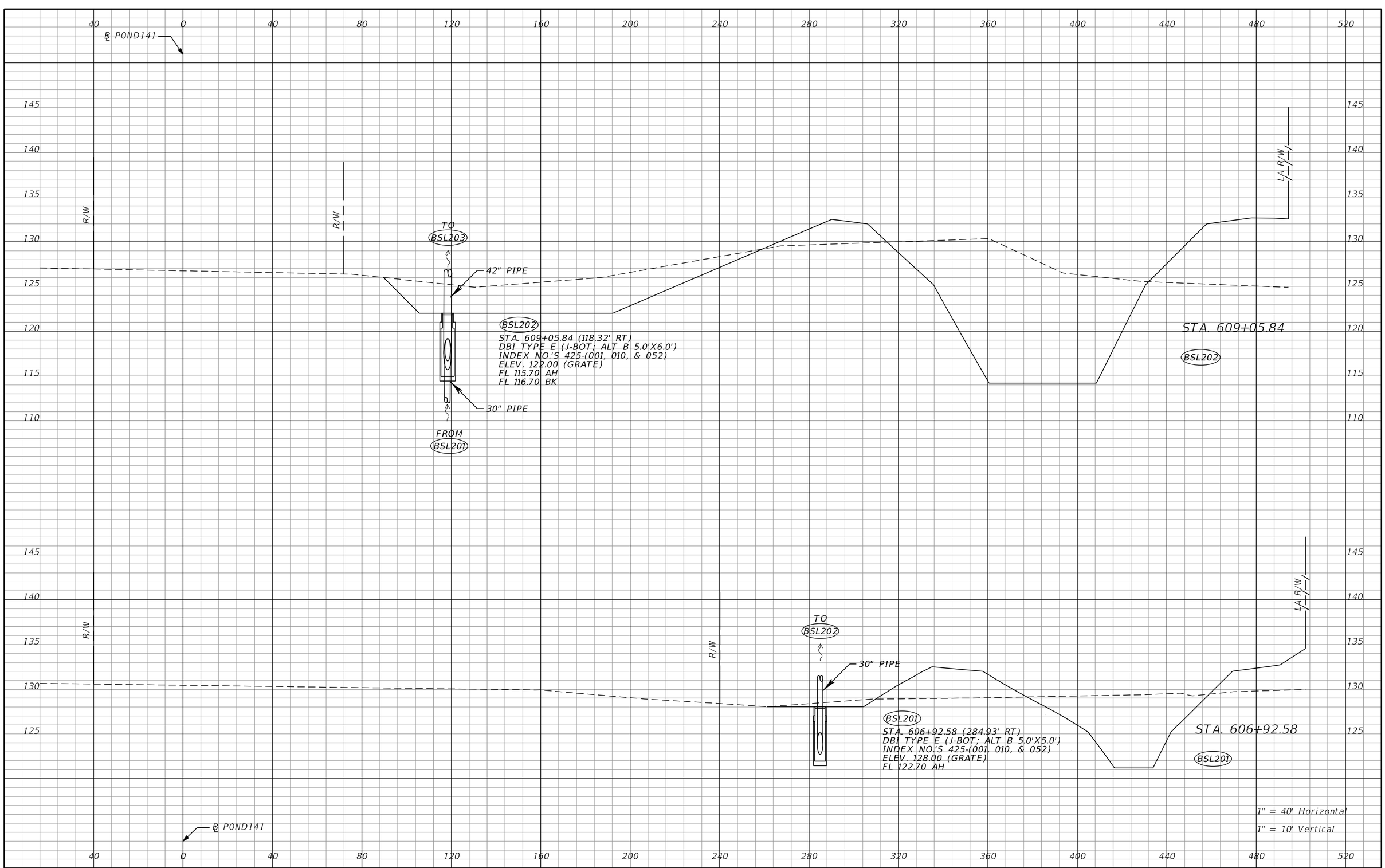
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 307

robert.martini 8/22/2019 11:21:11 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD07_POND142.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

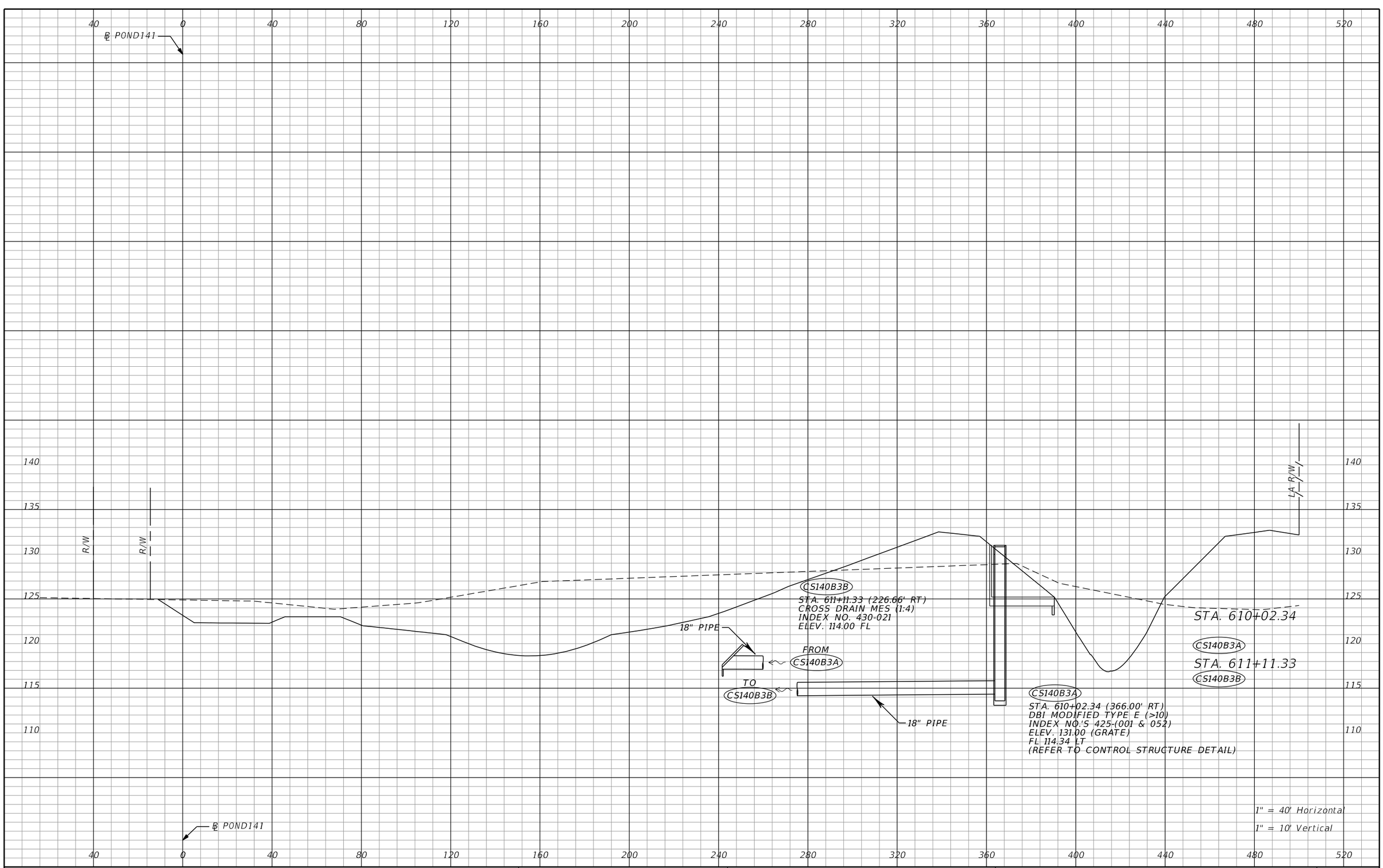
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 308



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

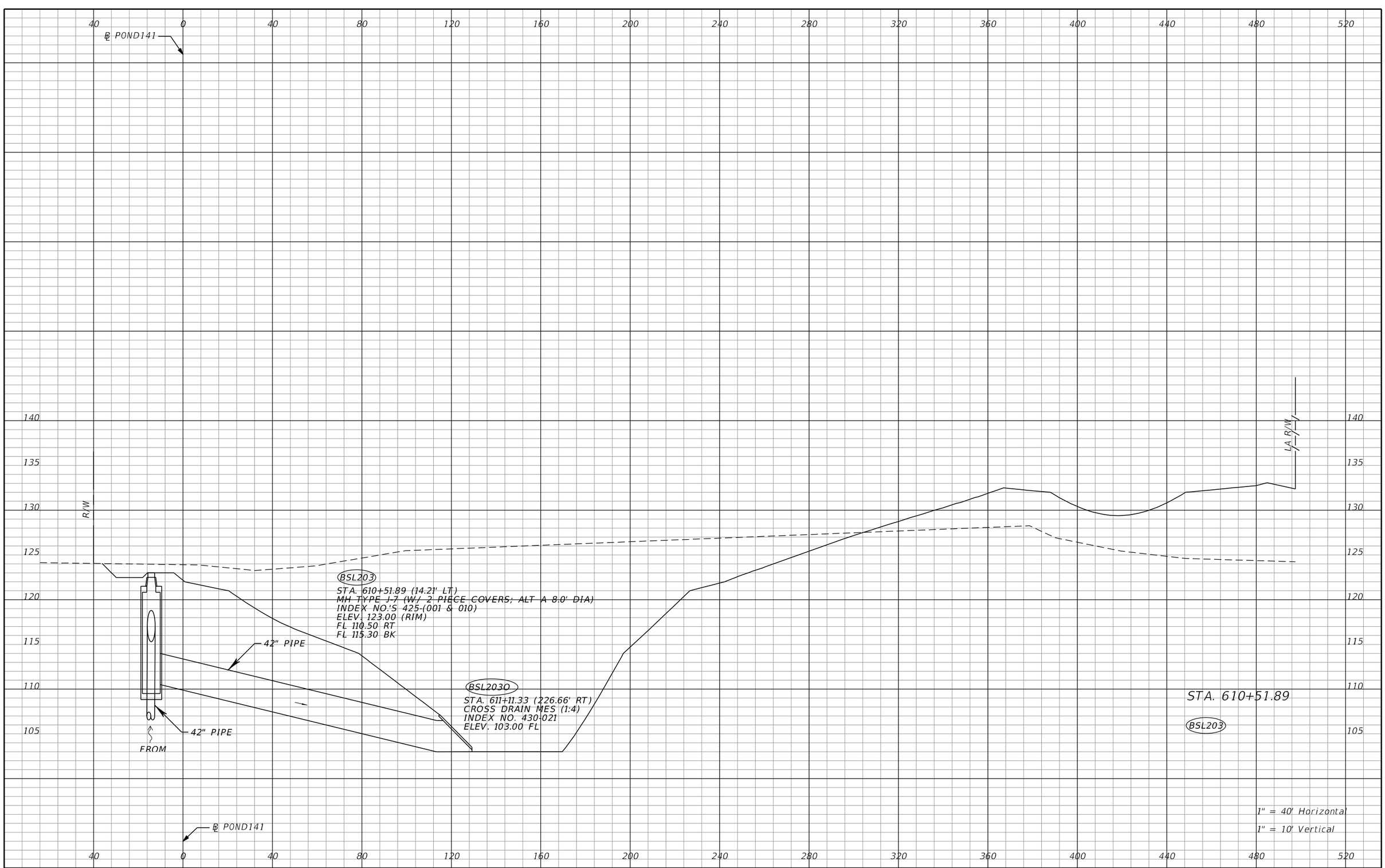
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 309



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

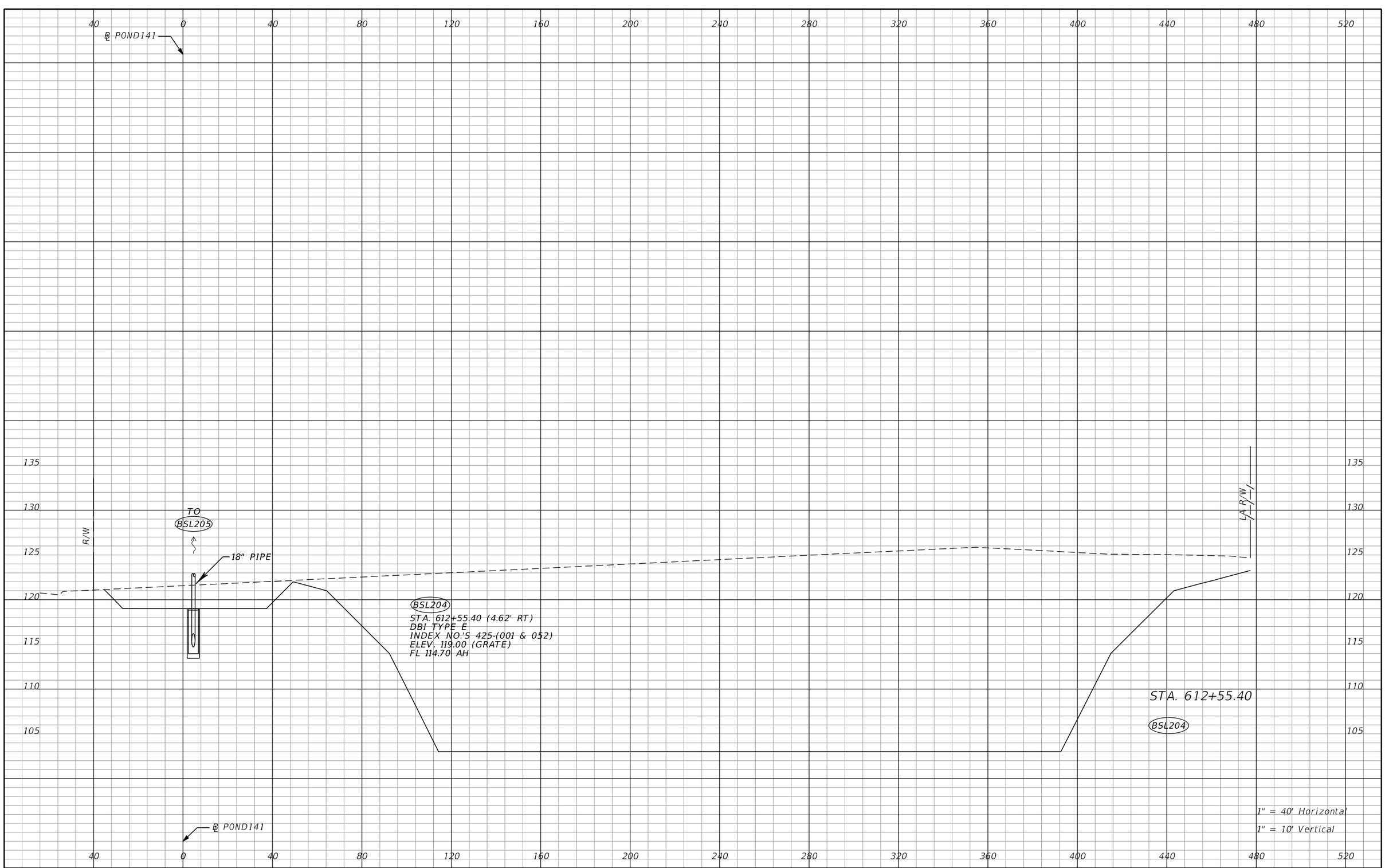
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 310

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:21:21 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD10_PALM_PARKWAY_PONDS.DGN



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

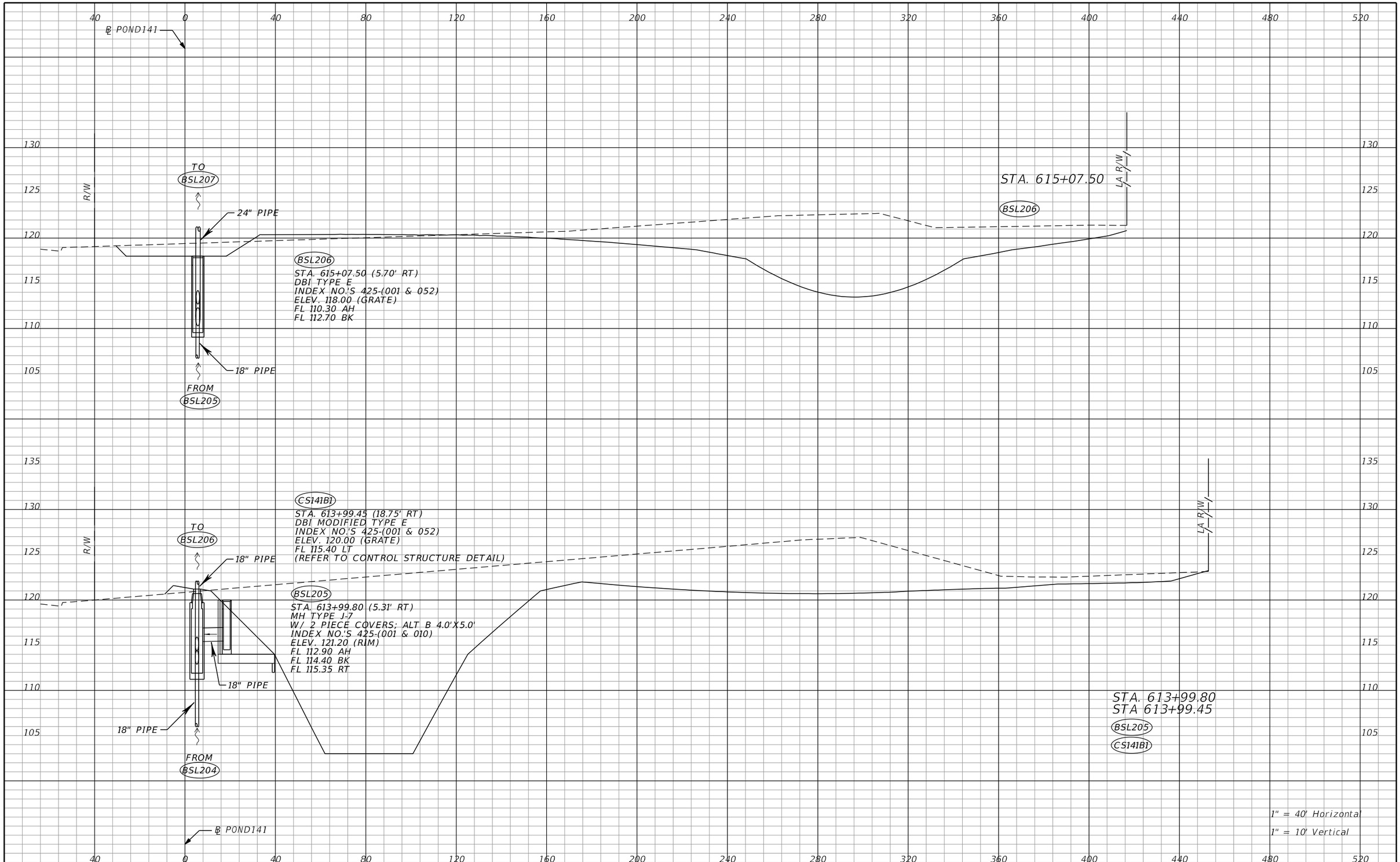
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 311



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

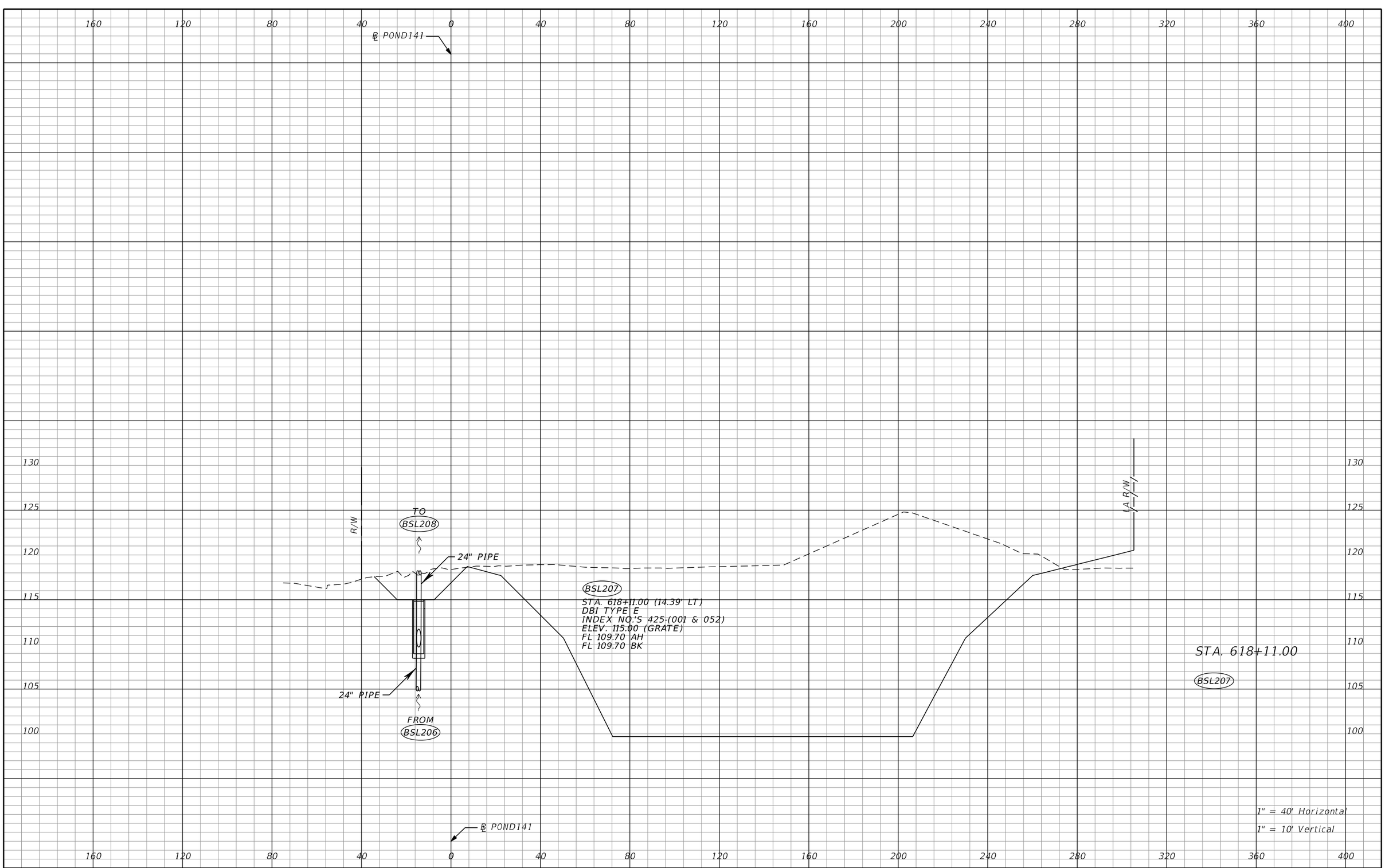
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 312

robert.martini 8/22/2019 11:21:23 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD10_PALM_PARKWAY_PONDS.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 313

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

℄ POND141

TO BSL209

R/W

30" PIPE

CS141B2
STA. 620+03.13 (7.33' LT)
DBI MODIFIED TYPE E
INDEX NO.'S 425-(001 & 052)
ELEV. 116.70 (GRATE)
FL 108.30 LT
(REFER TO CONTROL STRUCTURE DETAIL)

BSL208
STA. 620+03.20 (22.07' LT)
MH TYPE J-7 (>10)
W/ 2 PIECE COVERS; ALT B 4.0'X5.0'
INDEX NO.'S 425-(001 & 010)
ELEV. 118.15 (RIM)
FL 107.20 AH
FL 109.30 BK
FL 108.20 RT

18" PIPE

24" PIPE

FROM BSL207

℄ POND141

LA R/W

STA. 620+03.20
STA 620+03.13
BSL208
CS141B2

1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

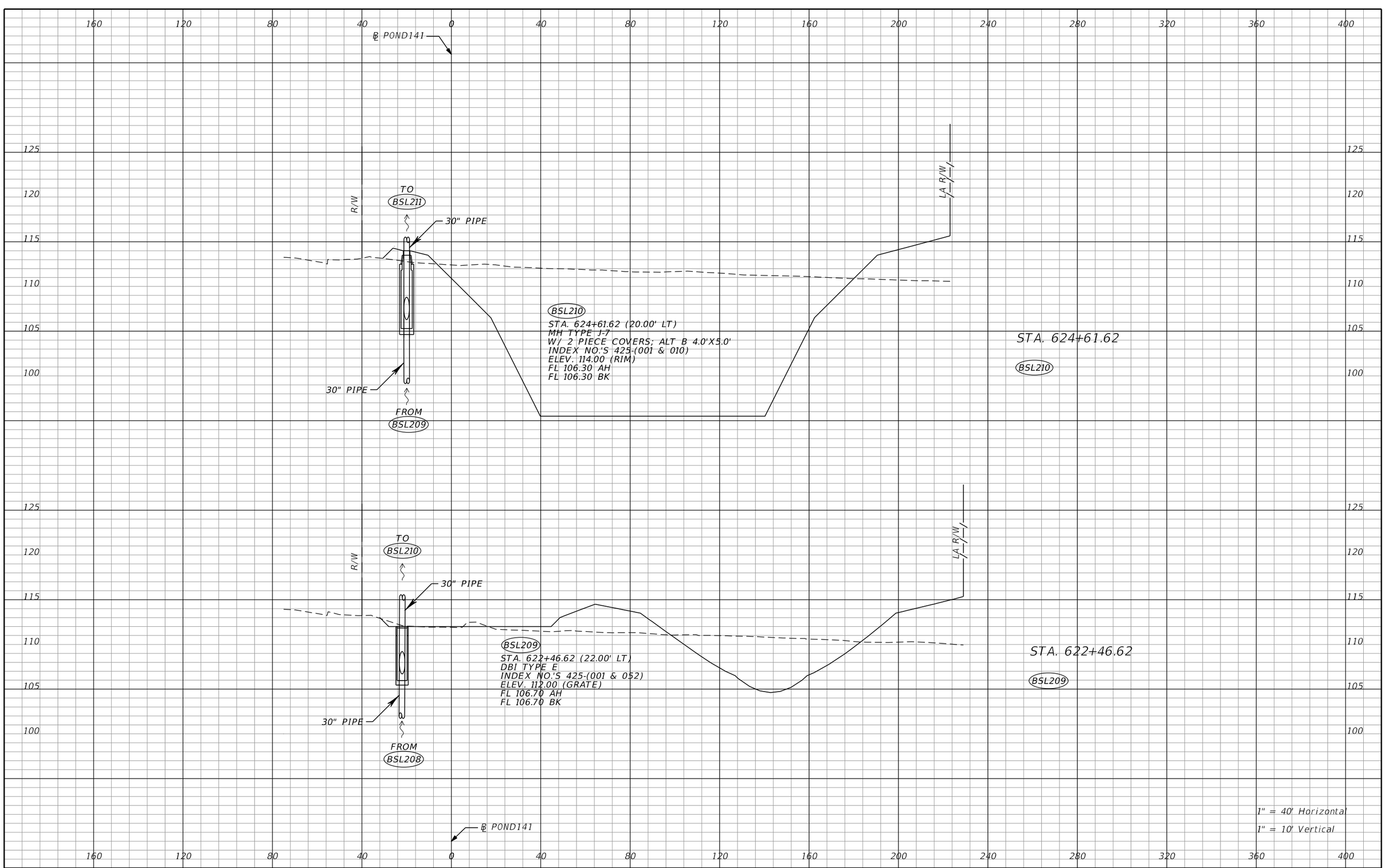
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 314



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

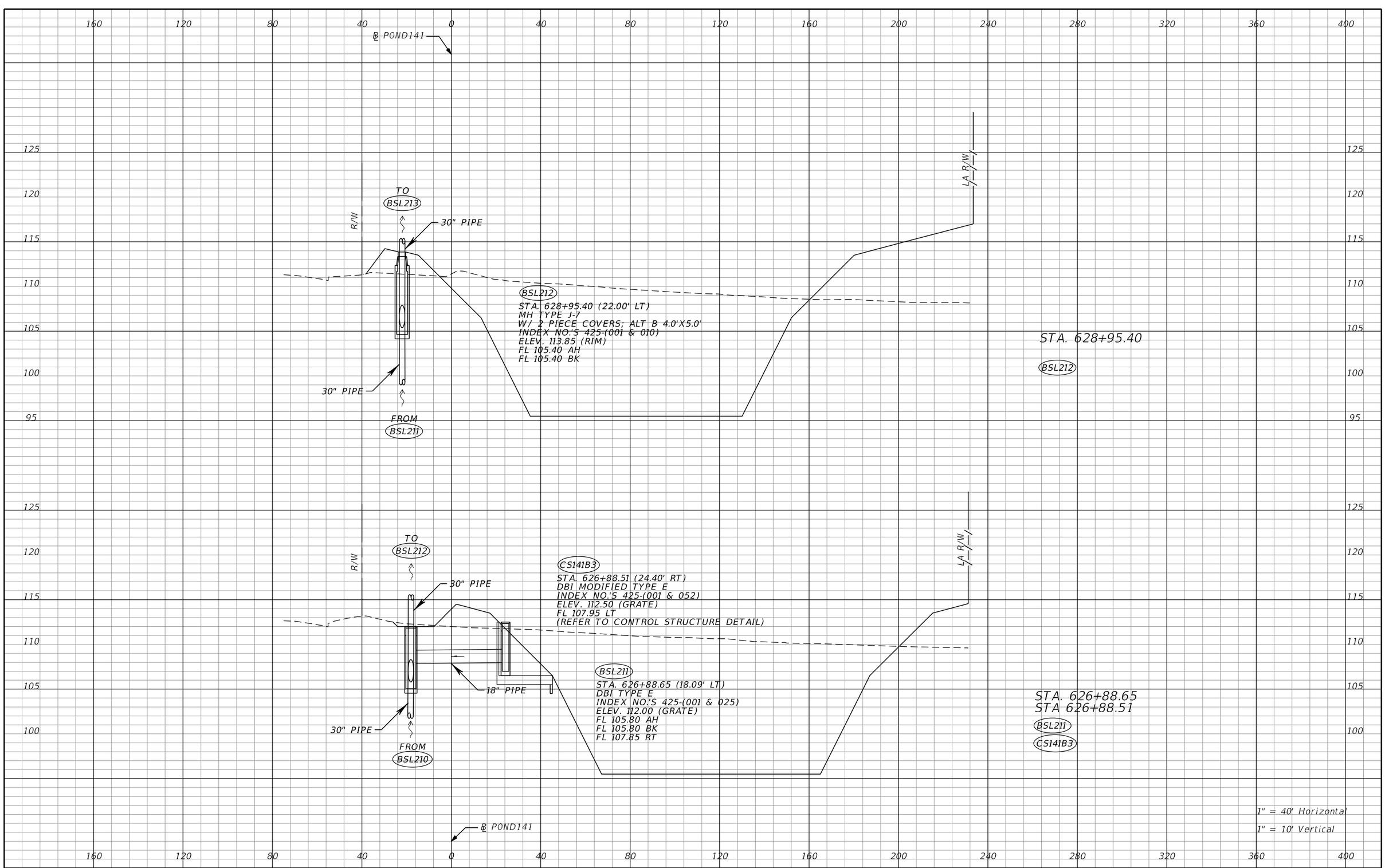
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 315



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

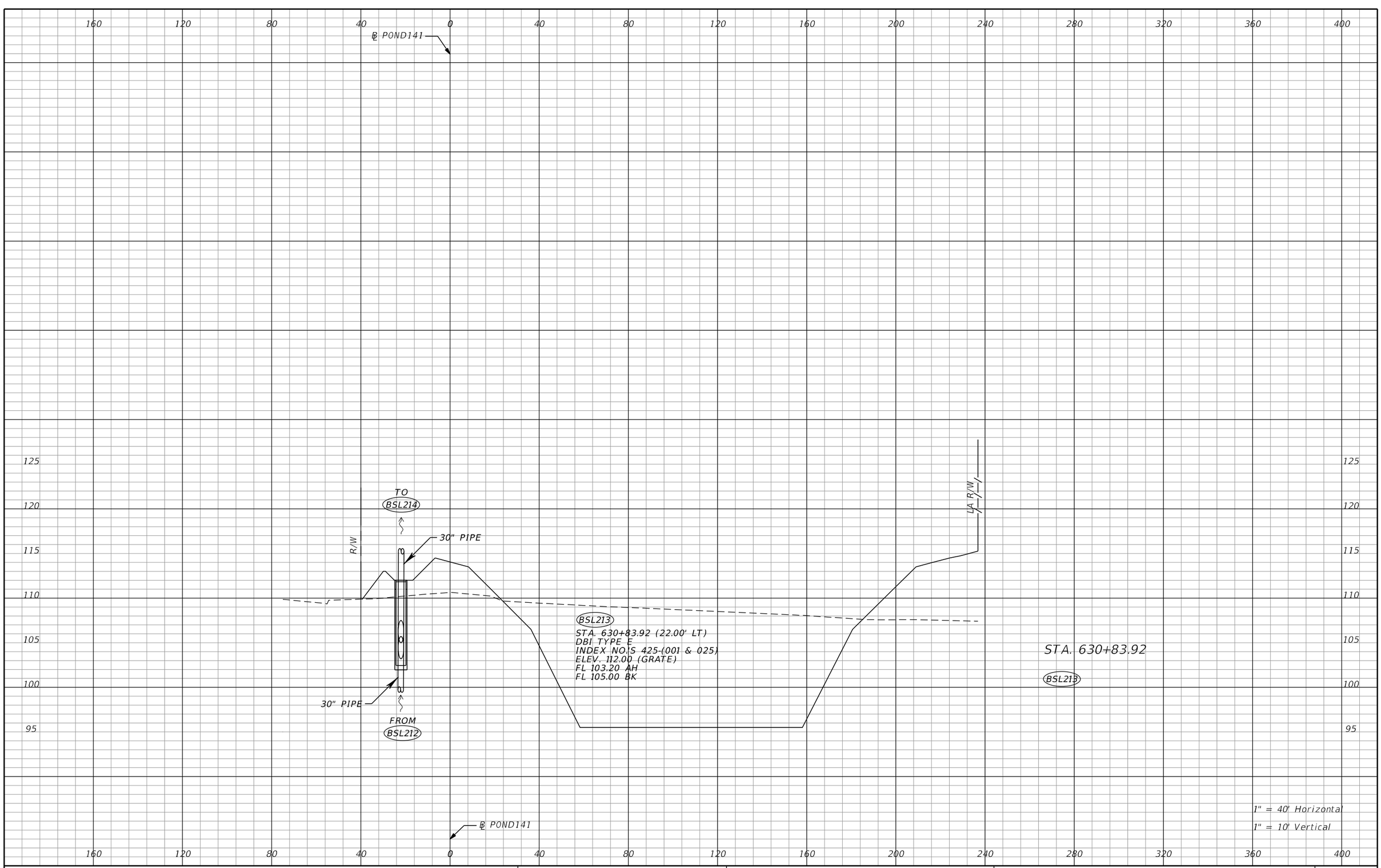
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 316



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

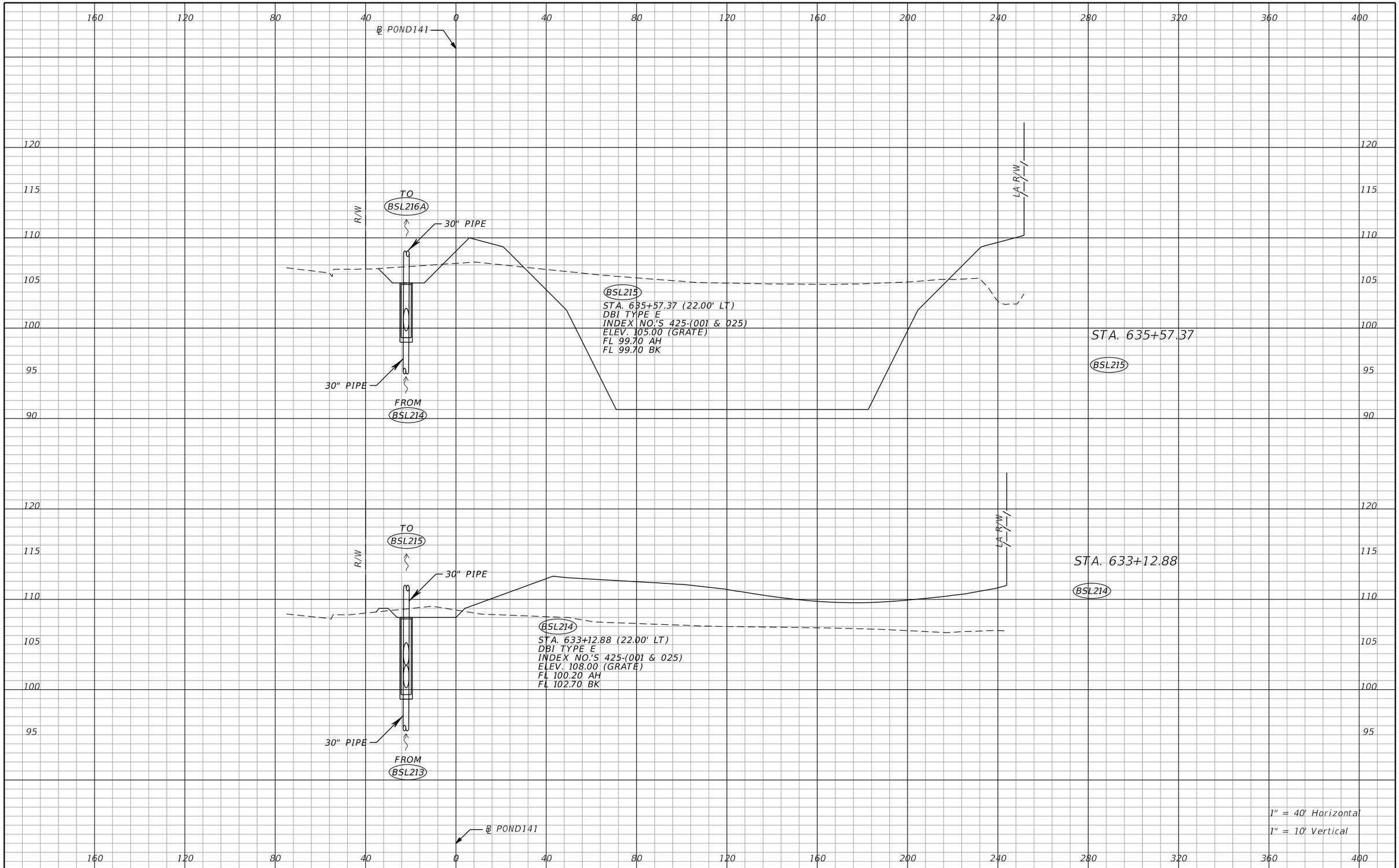
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 317



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 318

robert.martini 8/22/2019 11:21:29 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD10_PALM_PARKWAY_PONDS.DGN

℄ POND141

TO FPC141B

30" PIPE

R/W

30" PIPE

FROM ~~BSL215~~

BSL216A

STA. 636+92.80 (22.00' LT)
MH TYPE J-7 (>10)
W/ 2 PIECE COVERS; ALT A 6.0' DIA
INDEX NO.'S 425-(001 & 010)
ELEV. 109.83 (RIM)
FL 99.40 AH
FL 99.40 BK

LA R/W

STA. 636+92.80

BSL216A

℄ POND141

1" = 40' Horizontal
1" = 10' Vertical

160 120 80 40 0 40 80 120 160 200 240 280 320 360 400

120 115 110 105 100 95 90 85

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 319

℄ POND141

FROM CS141B4

18" PIPE

R/W

LA R/W

STA 637+99.98

BSL217

STA. 637+99.98 (22.94' RT)
DBI TYPE E (>10')
INDEX NO.'S 425-(001 & 025)
ELEV. 106.00 (GRATE)
FL 101.00 AH
FL 98.70 BK

18" PIPE

TO FPC141B

BSL216

STA. 637+37.89 (26.06' LT)
MH TYPE J-7 (>10')
W/ 2 PIECE COVERS; ALT B 4.0'X8.0'
INDEX NO.'S 425-(001 & 010)
ELEV. 106.00 (RIM)
FL 93.60 RT
FL 93.60 LT (NEW PIPE)

NBSL0140

STA. 637+43.48 (39.41' LT)
REMOVE & REPLACE EXISTING MH
VERIFY LOCATION, TOP & EXIST INV.
MH TYPE J-7 (>10')
W/ 2 PIECE COVERS; ALT B 4.0'X8.0'
ELEV. 106.33 (EXIST RIM)
FL 93.40 RT (SET NEW PIPE)
FL 93.40 LT (EXIST PIPE TO REMAIN)

TO NBSL0150

FROM BSL217

18" PIPE

30" PIPE

30" PIPE

38"x60" PIPE

FROM BSL216A

FPC141B

STA. 637+29.70 (6.53' LT)
MH TYPE J-7 (>10')
W/ 2 PIECE COVERS; ALT B 5.0'X8.0'
INDEX NO.'S 425-(001 & 010)
ELEV. 109.40 (RIM)
FL 98.55 AH
FL 99.30 BK
FL 93.70 LT
FL 103.39 RT

FPC141A

STA. 637+21.18 (10.00' RT)
MES (1:4)
INDEX NO.'S 425-(001 & 010)
ELEV. 103.45

STA. 637+26.96
STA. 637+21.18
STA. 637+29.70
STA 637+37.89
STA 637+43.48

BSL216
FPC141A
FPC141B
BSL0140

1" = 40' Horizontal
1" = 10' Vertical

℄ POND141

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

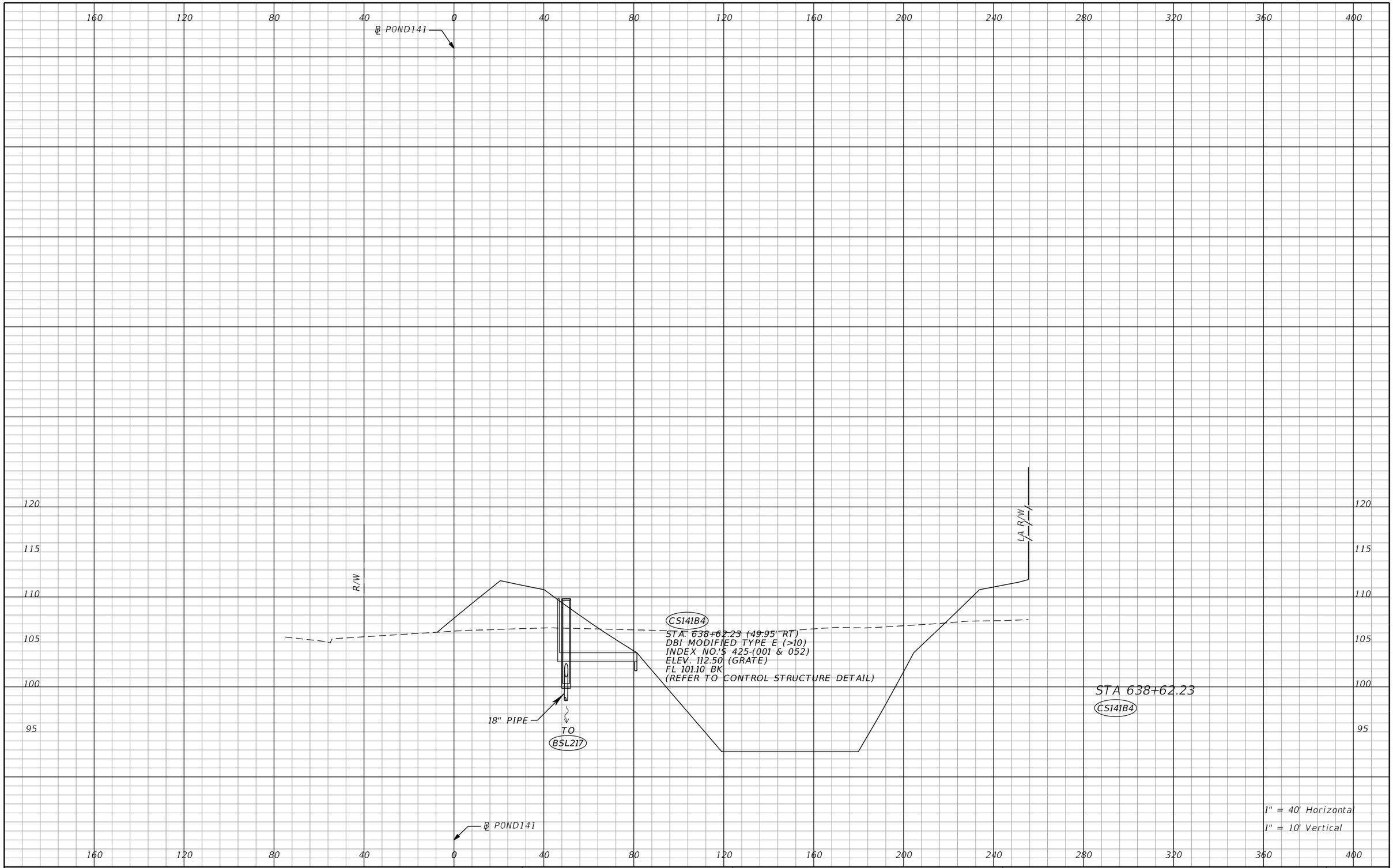
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 320



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

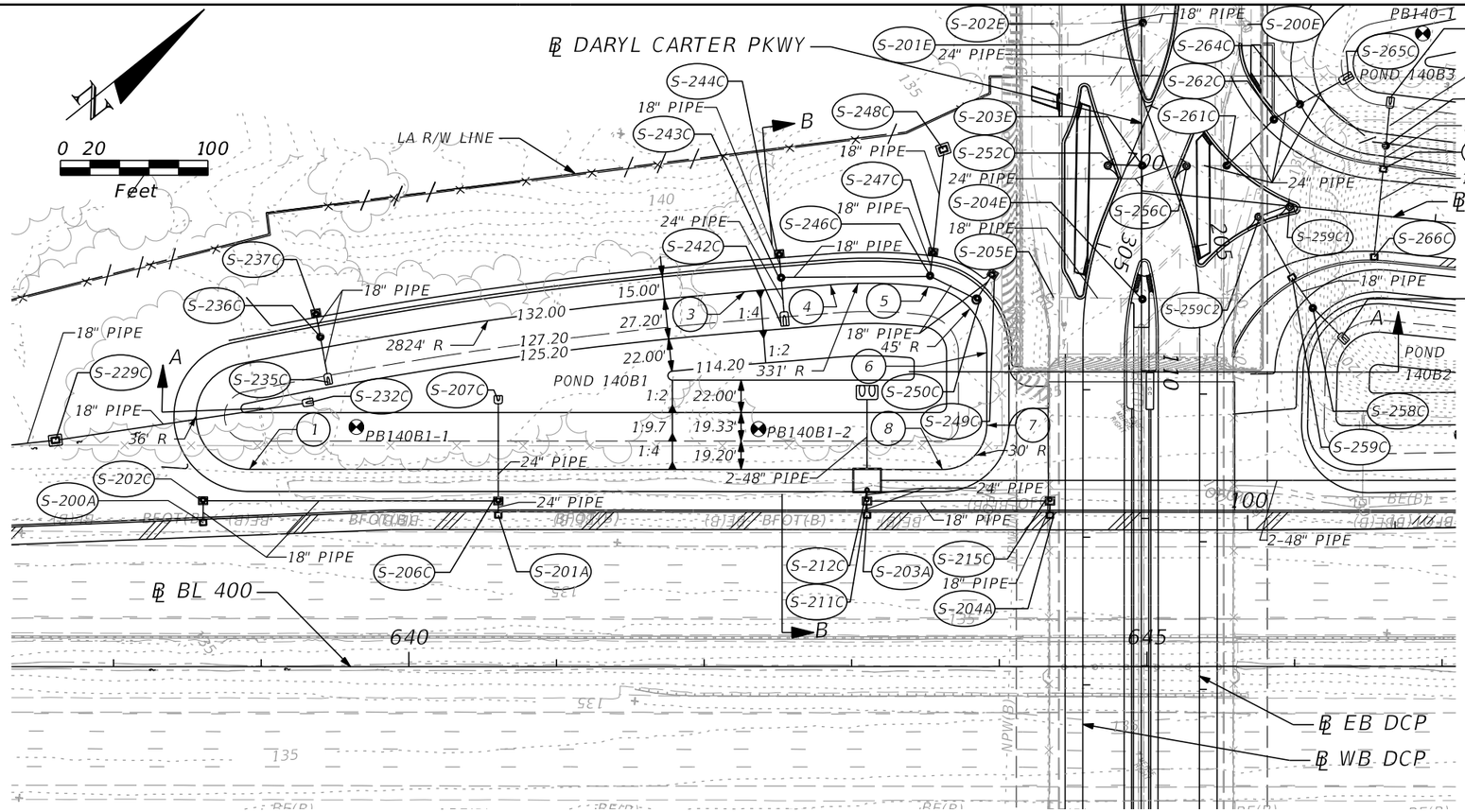
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DRAINAGE STRUCTURE SECTIONS

SHEET NO. 321

robert.martini 8/22/2019 11:21:32 AM c:\pwworking\aecom_na\rmartini\d0166356\DRXSRD10_PALM_PARKWAY_PONDS.DGN



LEGEND

NWL = NORMAL WATER LEVEL
DHW = DESIGN HIGH WATER
☢ = APPROXIMATE BORING LOCATION

NOTES:

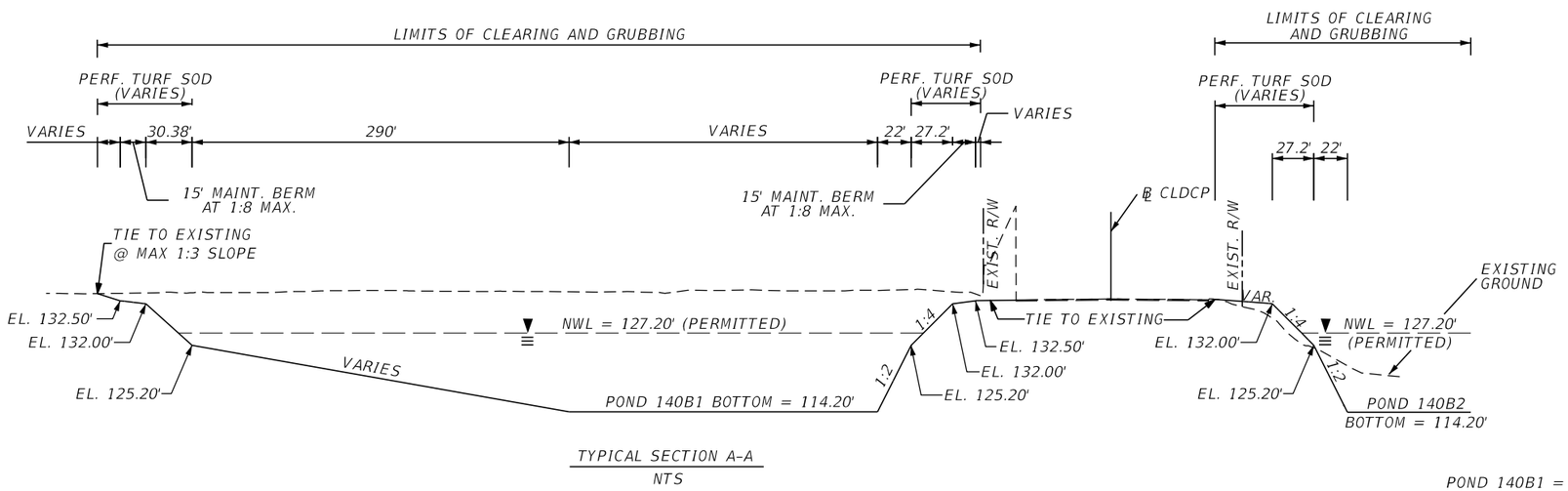
1. MAINTENANCE ACCESS AND MAINTENANCE BERM SHALL BE SOD ON 12" OF TYPE B STABILIZATION.

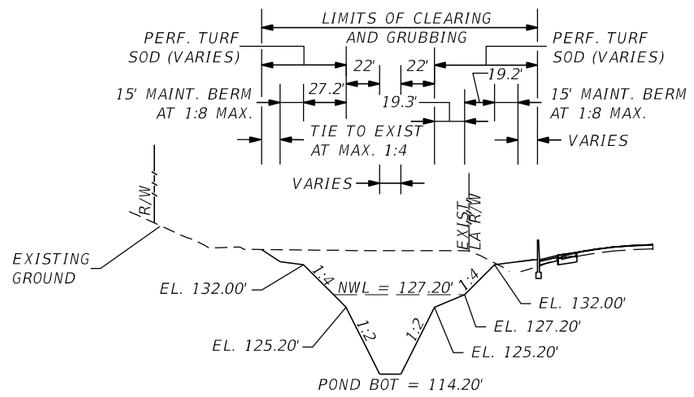
2. MINIMUM RADIUS AT INSIDE TOP OF MAINTENANCE BERM IS 30 FEET UNLESS OTHERWISE NOTED. CURVES ABOVE AND BELOW THE INSIDE TOP OF BERM ARE CONCENTRIC. MINIMUM RADIUS FOR CURVES BELOW THE INSIDE BERM IS 5 FEET.

3. REFER TO CONTROL STRUCTURE DETAIL SHEET FOR ADDITIONAL CONTROL STRUCTURE INFORMATION. USE FDOT INDEX 240 FOR SKIMMER DETAILS, UNLESS OTHERWISE NOTED ON THE CONTROL STRUCTURE DETAIL SHEET.

POND 140B1

REFERENCE POINT	℄ DARYL CARTER PKWY	OFFSET (FT)	SIDE
1	110+67.16	604.33	RT
2	109+95.91	611.63	RT
3	109+46.67	268.67	RT
4	109+41.94	210.55	RT
5	109+43.20	144.34	RT
6	109+87.88	104.70	RT
7	110+37.01	104.70	RT
8	110+67.01	134.69	RT





POND 140B1 = 1.82 AC
DHW EL. = 129.07' (025Y024HR) - INTERIM DCP
DHW EL. = 128.46' (025Y024HR) - I-4 BTU
NWL EL. = 127.20'

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

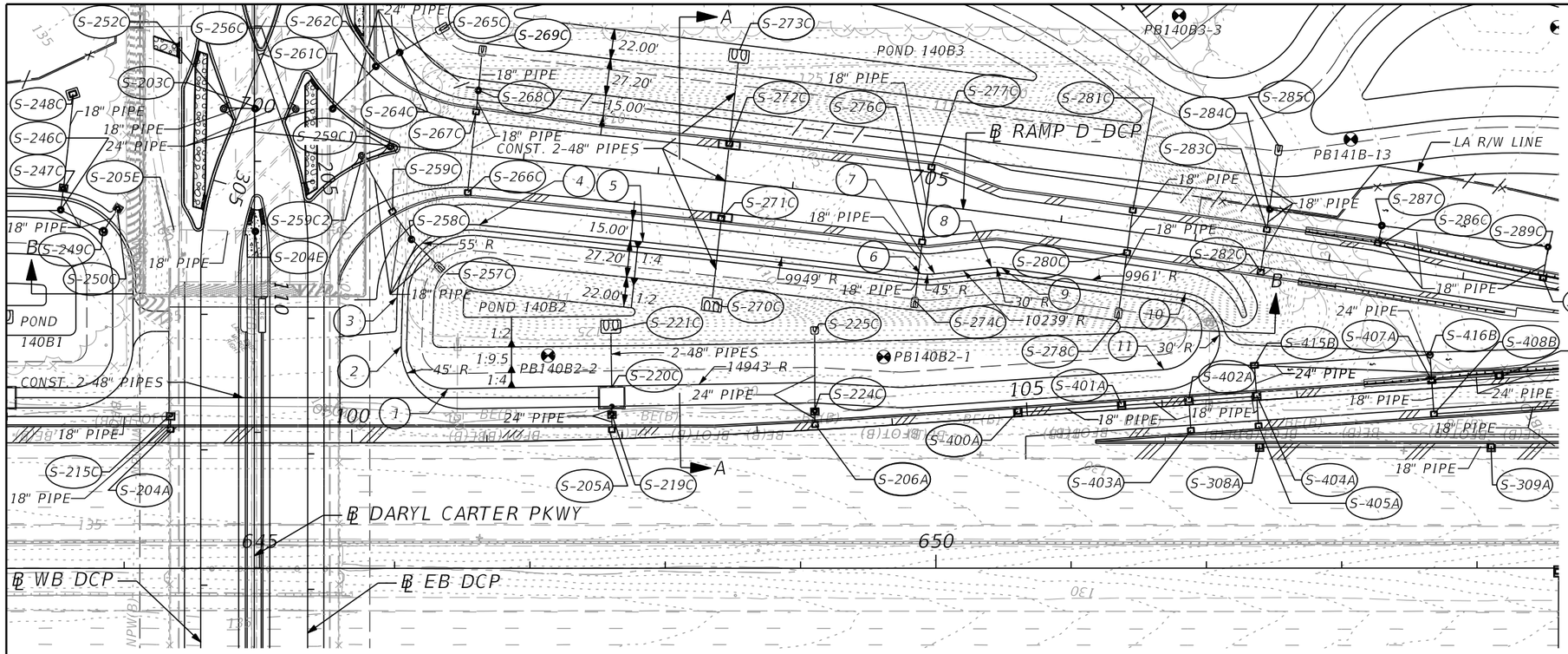
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

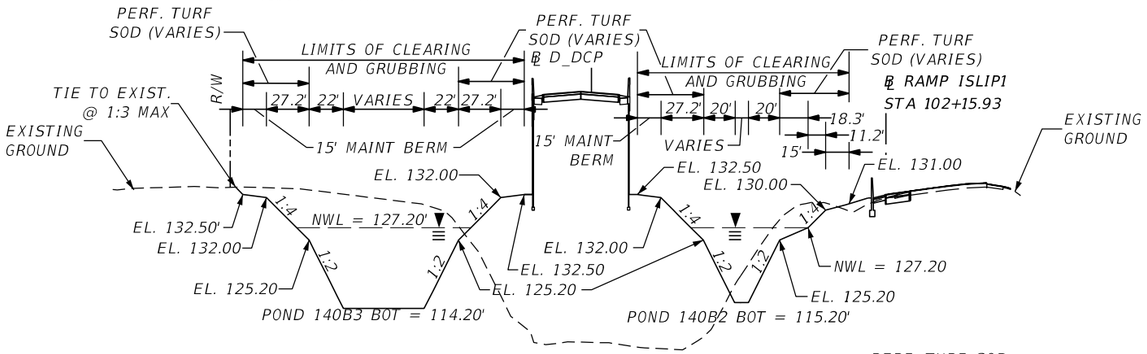
POND DETAIL
POND 140B1

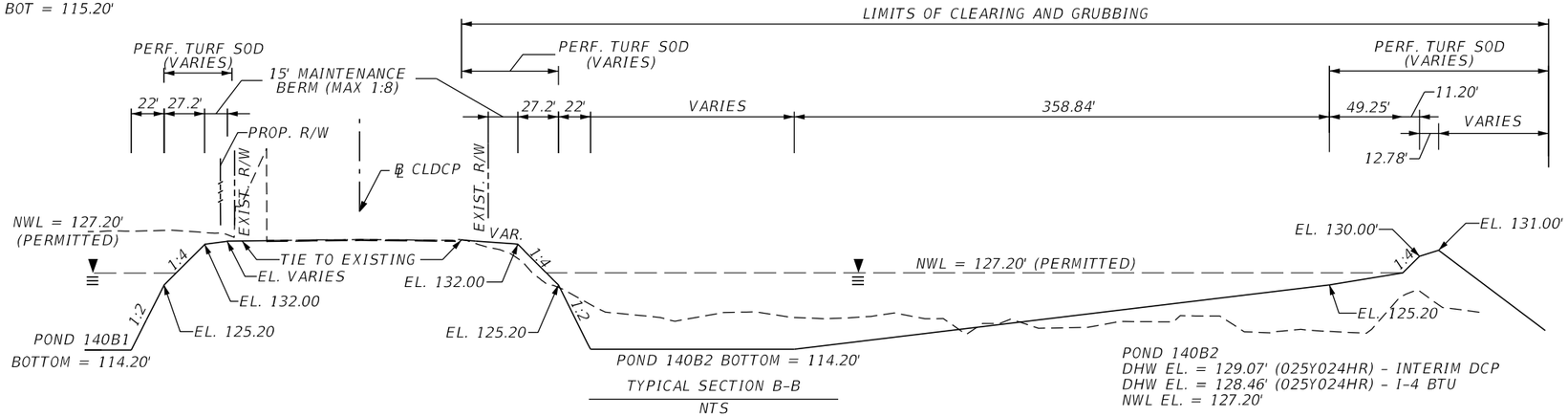
SHEET NO. 322

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:21:40 AM c:\pwworking\aecom_na\rmartini\d0164799\DRDTRD01_POND140B1_A.DGN







POND 140B2

REFERENCE POINT	℄ DARYL CARTER PKWY	OFFSET (FT)	SIDE
1	110+67.78	143.15	LT
2	110+36.49	108.64	LT
3	110+00.21	105.53	LT
4	109+46.84	166.16	LT
5	109+59.34	287.18	LT
6	109+82.69	492.48	LT
7	109+82.75	503.05	LT
8	109+78.12	545.09	LT
9	109+78.20	552.19	LT
10	109+96.91	688.47	LT
11	110+53.41	672.43	LT

0 20 100
Feet

TYPICAL SECTION A-A
NTS

TYPICAL SECTION B-B
NTS

LEGEND

NWL = NORMAL WATER LEVEL
DHW = DESIGN HIGH WATER
⊠ = APPROXIMATE BORING LOCATION

NOTES:

1. MAINTENANCE ACCESS AND MAINTENANCE BERM SHALL BE SOD ON 12" OF TYPE B STABILIZATION.

2. MINIMUM RADIUS AT INSIDE TOP OF MAINTENANCE BERM IS 30 FEET UNLESS OTHERWISE NOTED. CURVES ABOVE AND BELOW THE INSIDE TOP OF BERM ARE CONCENTRIC. MINIMUM RADIUS FOR CURVES BELOW THE INSIDE BERM IS 5 FEET.

3. REFER TO CONTROL STRUCTURE DETAIL SHEET FOR ADDITIONAL CONTROL STRUCTURE INFORMATION. USE FDOT INDEX 240 FOR SKIMMER DETAILS, UNLESS OTHERWISE NOTED ON THE CONTROL STRUCTURE DETAIL SHEET.

POND 140B2
DHW EL. = 129.07' (025Y024HR) - INTERIM DCP
DHW EL. = 128.46' (025Y024HR) - I-4 BTU
NWL EL. = 127.20'

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

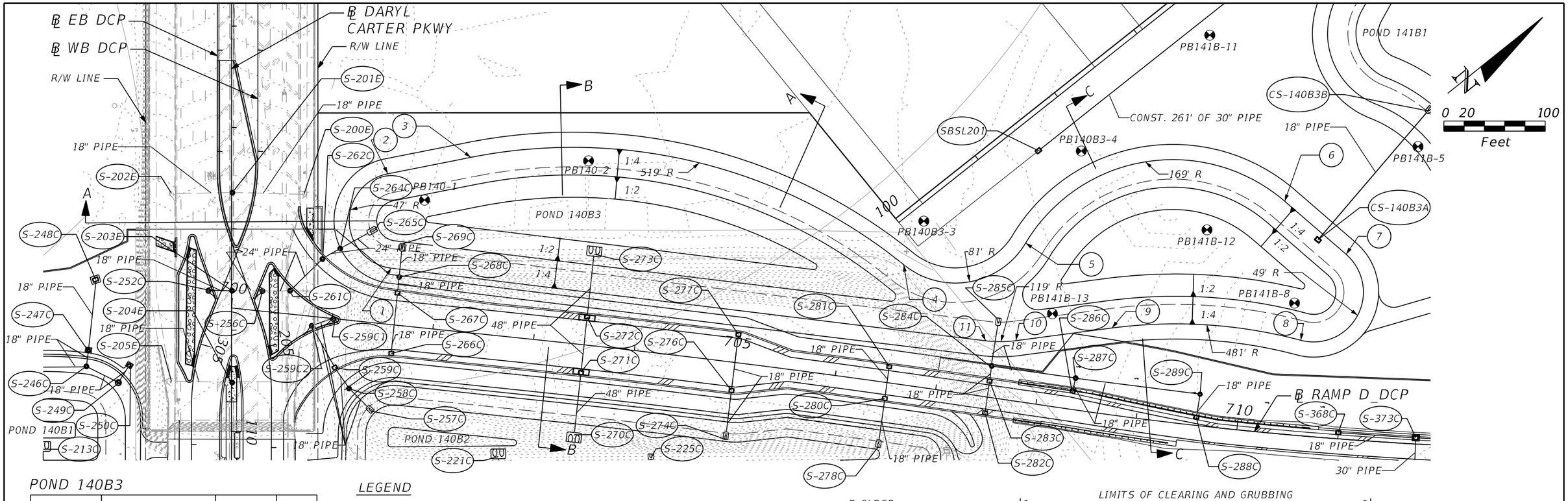
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND DETAIL
POND 140B2

SHEET NO. 323

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:21:43 AM c:\pwworking\aecom_na\rmartini\d0164799\DRDTRD01_POND140B2_A.DGN



POND 140B3

REFERENCE POINT	℄ DARYL CARTER PKWY	OFFSET (FT)	SIDE
1	108+38.75	157.75	LT
2	107+45.59	154.29	LT
3	107+29.36	236.37	LT
4	108+35.17	663.78	LT
5	108+13.77	784.00	LT
6	107+72.35	1039.80	LT
7	108+24.67	1100.46	LT
8	109+09.47	1055.68	LT
9	108+97.44	869.21	LT
10	109+09.93	774.55	LT
11	109+10.08	744.57	LT

LEGEND

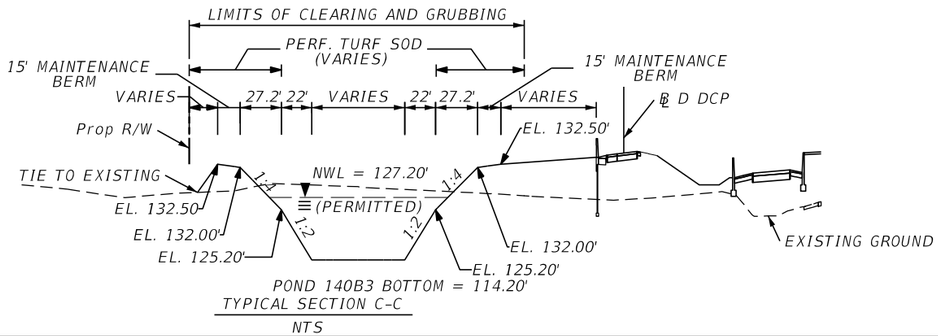
NWL = NORMAL WATER LEVEL
DHW = DESIGN HIGH WATER
⊕ = APPROXIMATE BORING LOCATION

NOTES:

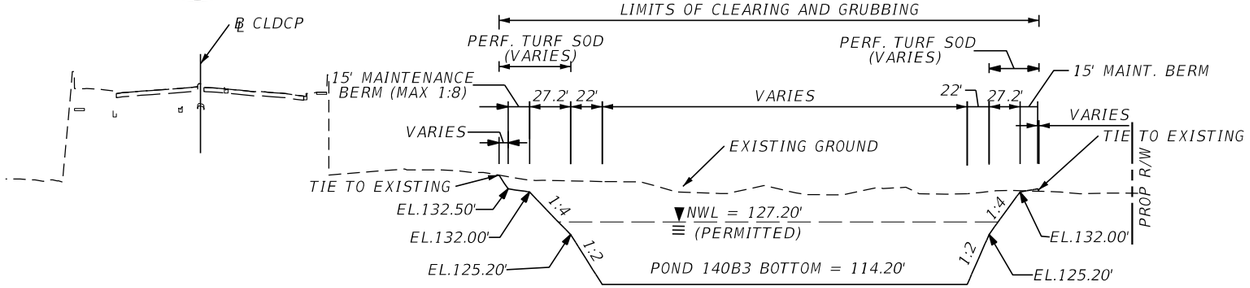
1. MAINTENANCE ACCESS AND MAINTENANCE BERM SHALL BE SOD ON 12" OF TYPE B STABILIZATION.

2. MINIMUM RADIUS AT INSIDE TOP OF MAINTENANCE BERM IS 30 FEET UNLESS OTHERWISE NOTED. CURVES ABOVE AND BELOW THE INSIDE TOP OF BERM ARE CONCENTRIC. MINIMUM RADIUS FOR CURVES BELOW THE INSIDE BERM IS 5 FEET.

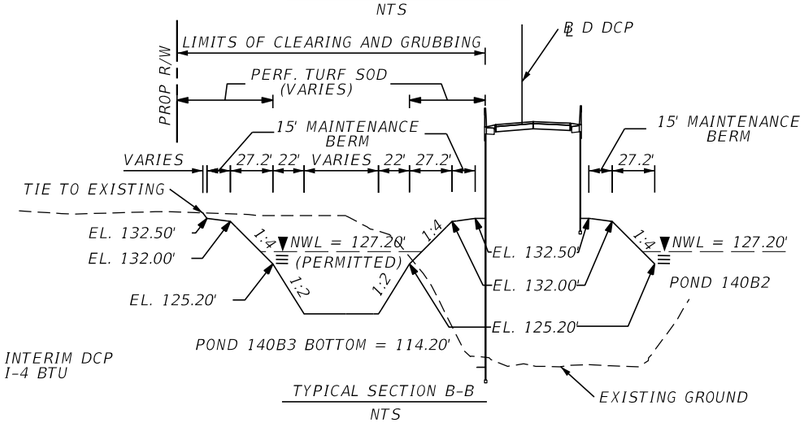
3. REFER TO CONTROL STRUCTURE DETAIL SHEET FOR ADDITIONAL CONTROL STRUCTURE INFORMATION. USE FDOT INDEX 240 FOR SKIMMER DETAILS, UNLESS OTHERWISE NOTED ON THE CONTROL STRUCTURE DETAIL SHEET.



TYPICAL SECTION C-C
NTS



TYPICAL SECTION A-A
NTS



POND 140B3
DHW EL. = 129.07' (025Y024HR) - INTERIM DCP
DHW EL. = 128.45' (025Y024HR) - I-4 BTU
NWL EL. = 127.20'

TYPICAL SECTION B-B
NTS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

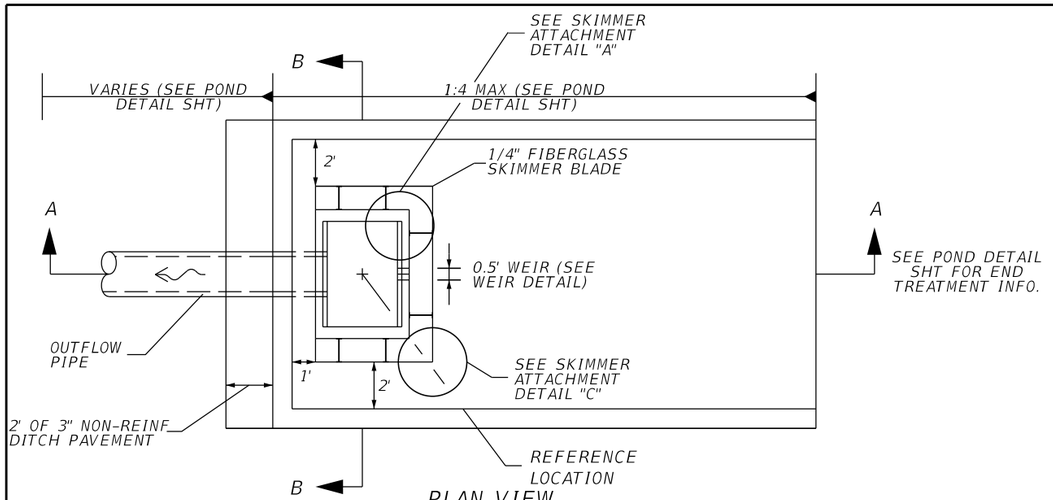
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND DETAIL
POND 140B3

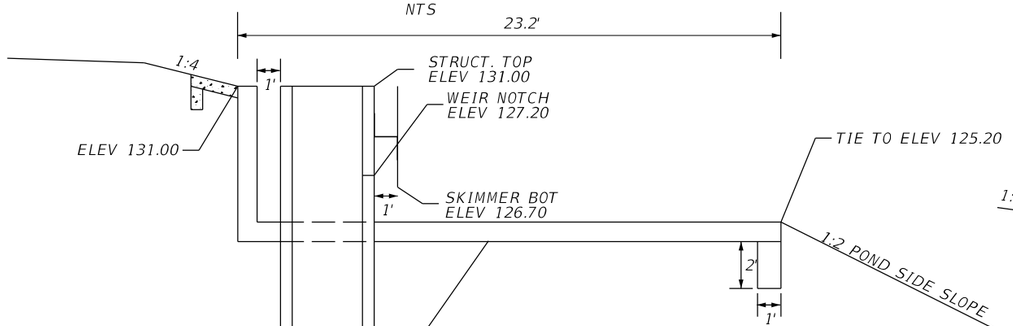
SHEET NO. 324

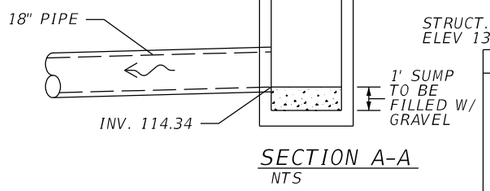
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:21:47 AM c:\pwworking\aecom_na\rmartini\d0164799\DRDTRD01_POND140B3_A.DGN

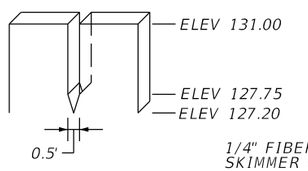


PLAN VIEW
NTS

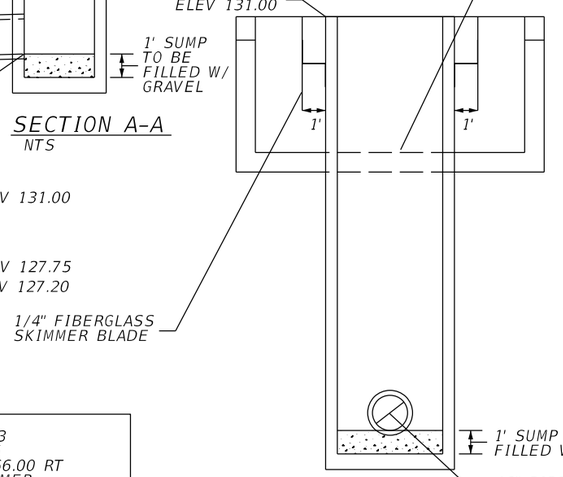




SECTION A-A
NTS



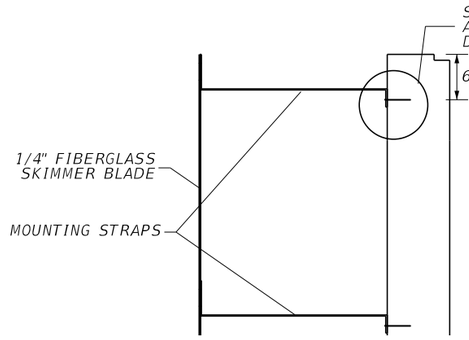
WEIR DETAIL
NTS



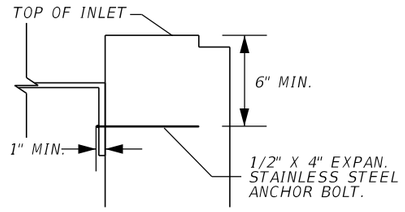
SECTION B-B
NTS

CONTROL STRUCTURE CS140B3
CONST MODIFIED TYPE E DBI
@ PND141, STA 610+02.34, 366.00 RT
SEE STRUCTURE, WEIR, SKIMMER, DITCH PAVEMENT DETAILS

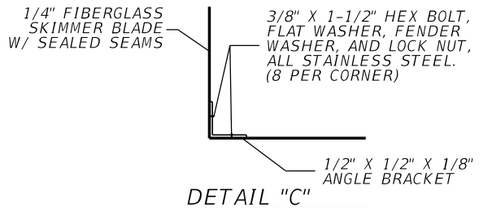
SKIMMER ATTACHMENT DETAILS



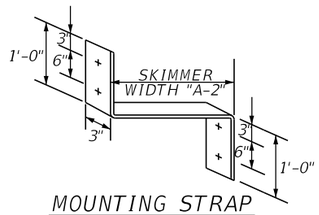
DETAIL "A"
NTS



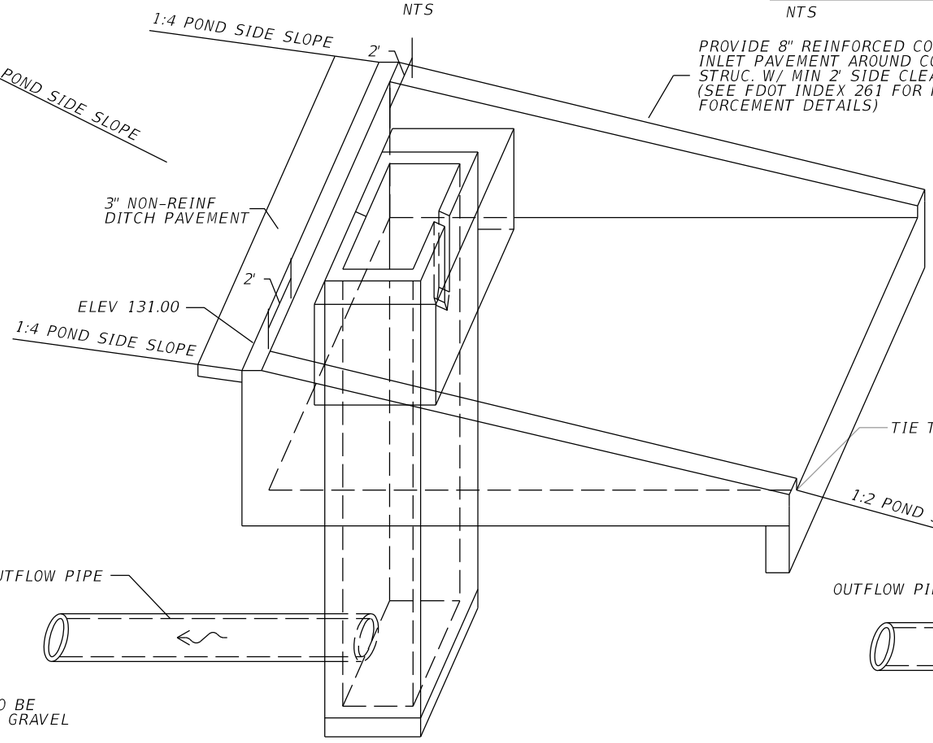
DETAIL "B"
NTS



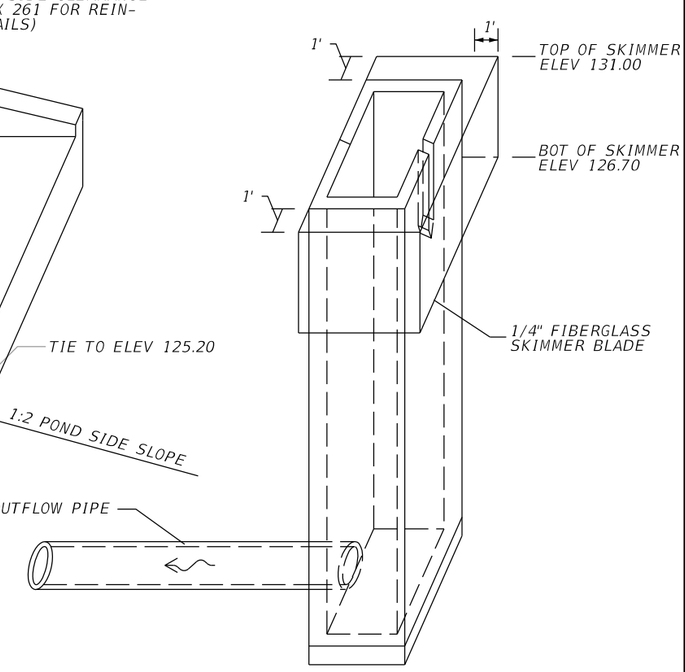
DETAIL "C"
NTS



MOUNTING STRAP
NTS



CONCRETE INLET PAVEMENT DETAIL
NTS



SKIMMER DETAIL
NTS

NOTE:
1. CONTRACTOR SHALL CUT A STAINLESS STEEL PLATE TO DIMENSION AS SHOWN ON TABLE. USE 1/2" X 4" EXPAN. STAINLESS STEEL ANCHOR BOLT.

2. THE COST OF THE FIBERGLASS SKIMMERS WITH ASSOCIATED HARDWARE, CLASS I MISC. CONCRETE, AND FITTINGS SHALL BE INCLUDED IN THE COST OF THE MODIFIED INLETS.

3. SKIMMER ATTACHMENT NOTE: SKIMMER TO BE ATTACHED TO BACK OF STRUCTURE USING 3/8" STAINLESS STEEL STUD TYPE EXPANSION ANCHOR WITH NUT AND WASHER. EMBEDDED DEPTH TO BE 2-1/2". ANCHORS TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS OR AS DIRECTED BY THE ENGINEER.

4. MOUNTING STRAPS SHALL BE 1/4" THICK BENT STAINLESS STEEL PLATES WITH DRILLED HOLES.

5. FASTEN MOUNTING STRAP IN WITH 1/2" X 4" EXPAN. STAINLESS STEEL ANCHOR BOLT.

6. ALL CONTROL STRUCTURES SHALL HAVE STEEL RECTICULAR GRATES.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

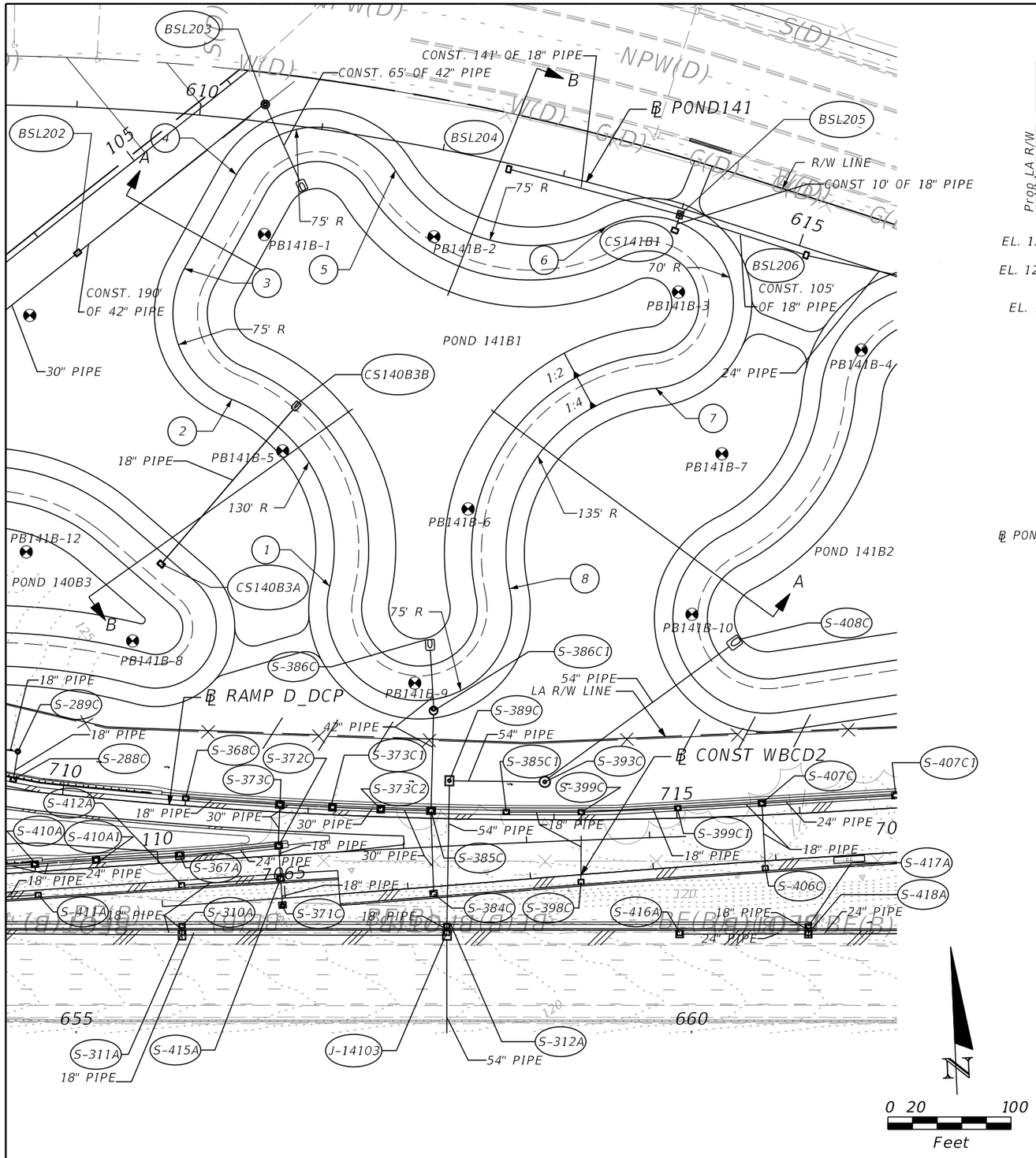
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

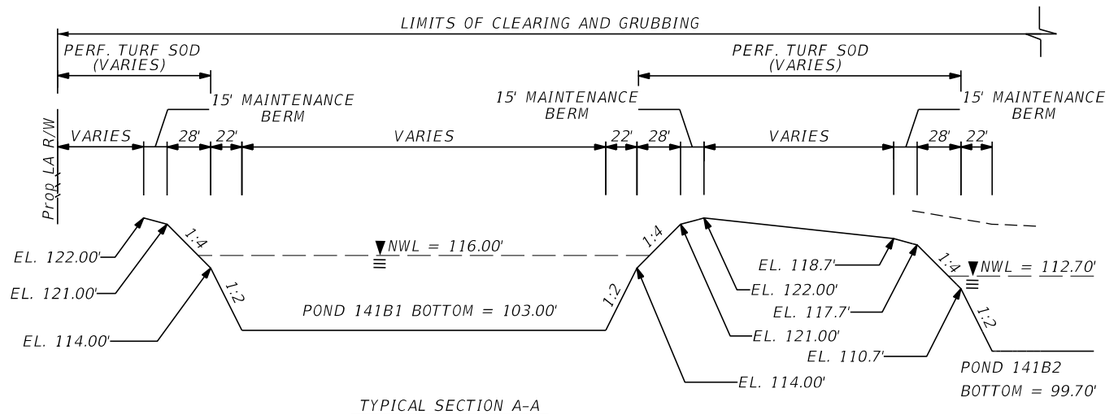
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

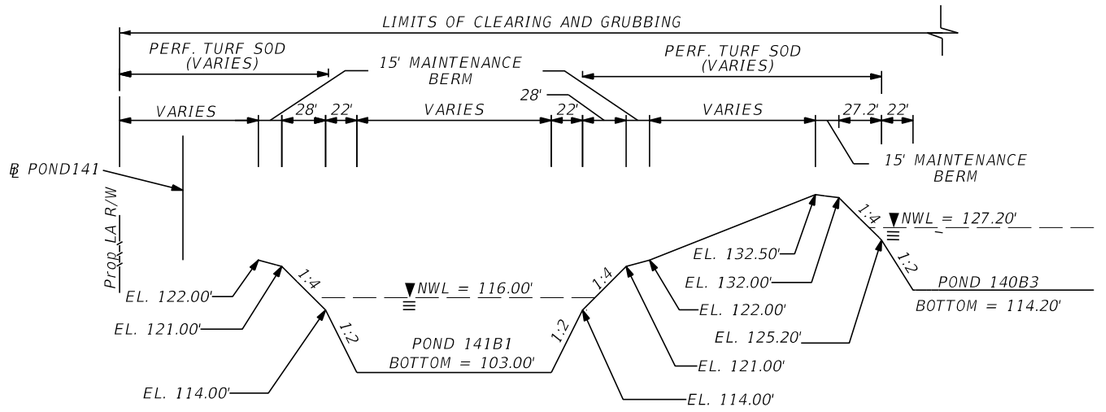
CONTROL STRUCTURE DETAIL
POND 140B1, B2, & B3

SHEET NO. 325





TYPICAL SECTION A-A
NTS



TYPICAL SECTION B-B
NTS

POND 141B1 = 3.01 ACRES
DHW EL = 117.99' (025Y024HR) - INTERIM DCP
DHW EL = 119.33' (025Y024HR) - I-4 BTU
NWL EL = 116.00'

POND 141B1

REFERENCE POINT	℄ POND141	OFFSET (FT)	SIDE
1	611+71.64	365.62	RT
2	610+53.09	226.96	RT
3	609+98.91	125.21	RT
4	610+34.92	45.13	RT
5	611+64.59	23.57	RT
6	613+44.51	30.91	RT
7	614+23.06	145.90	RT
8	613+45.26	335.44	RT

LEGEND

ESHW = ESTIMATED SEASONAL HIGH WATER
DHW = DESIGN HIGH WATER
☢ = APPROXIMATE BORING LOCATION

NOTES:

1. MAINTENANCE ACCESS AND MAINTENANCE BERM SHALL BE SOD ON 12" OF TYPE B STABILIZATION.

2. MINIMUM RADIUS AT INSIDE TOP OF MAINTENANCE BERM IS 30 FEET UNLESS OTHERWISE NOTED. CURVES ABOVE AND BELOW THE INSIDE TOP OF BERM ARE CONCENTRIC. MINIMUM RADIUS FOR CURVES BELOW THE INSIDE BERM IS 5 FEET.

3. REFER TO CONTROL STRUCTURE DETAIL SHEET FOR ADDITIONAL CONTROL STRUCTURE INFORMATION. USE FDOT INDEX 240 FOR STANDARD SKIMMER DETAILS. OTHERWISE REFER TO INFORMATION PROVIDED.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

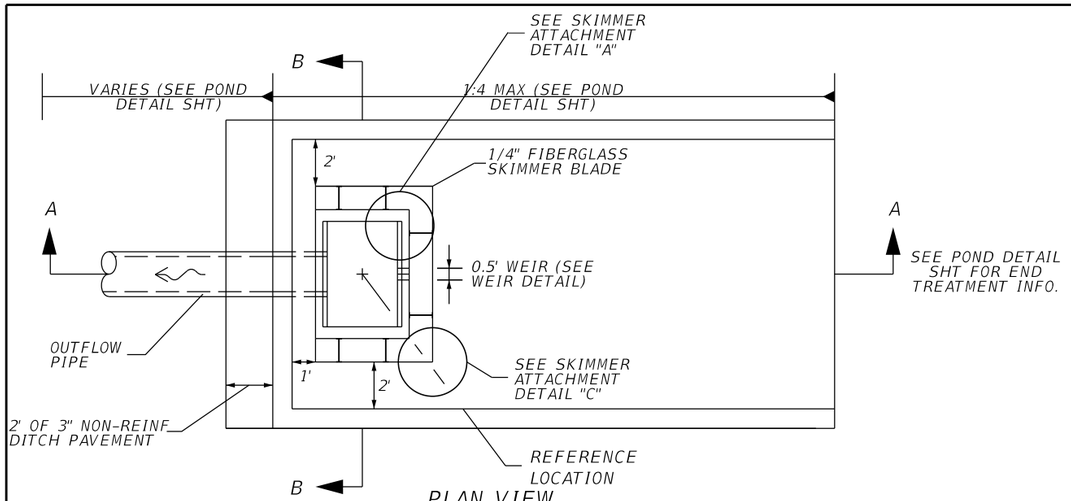
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

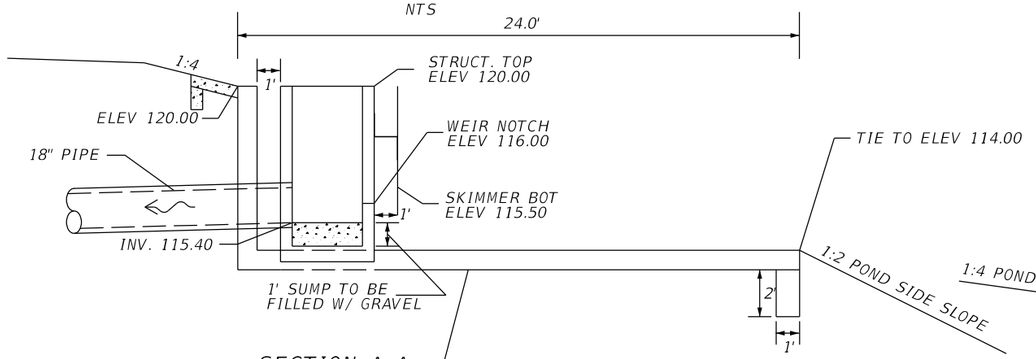
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND DETAIL
POND 141B1

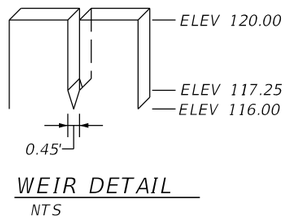
SHEET NO. 326



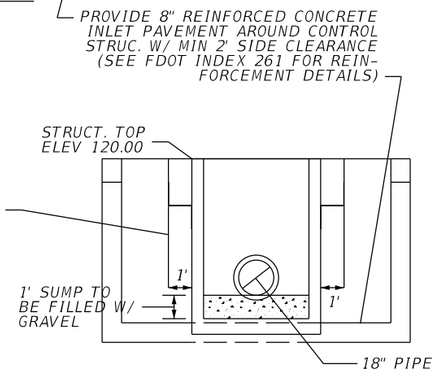
PLAN VIEW
NTS



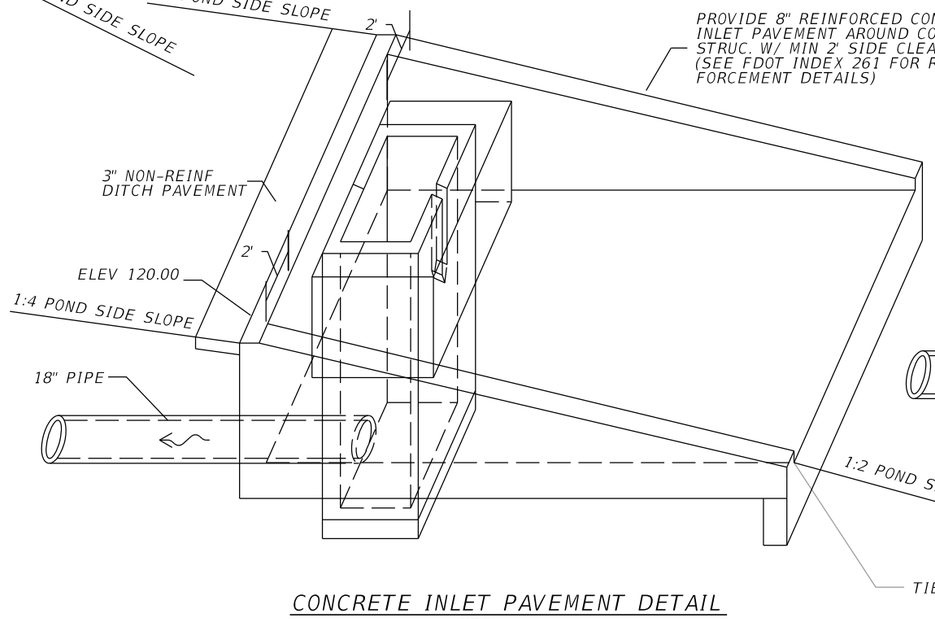
SECTION A-A
NTS



WEIR DETAIL
NTS

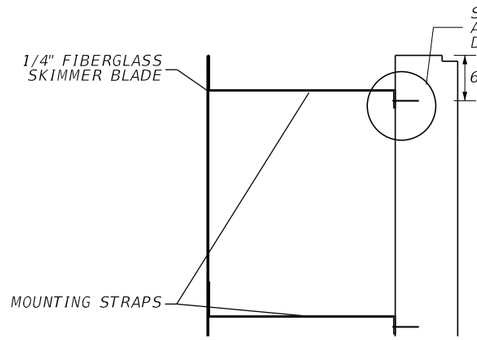


SECTION B-B
NTS

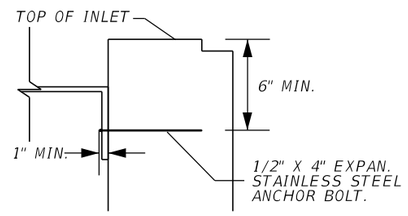


CONCRETE INLET PAVEMENT DETAIL
NTS

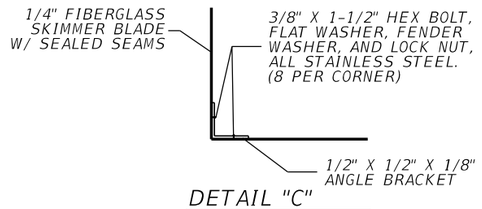
SKIMMER ATTACHMENT DETAILS



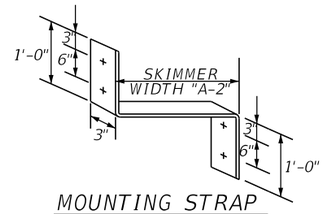
DETAIL "A"
NTS



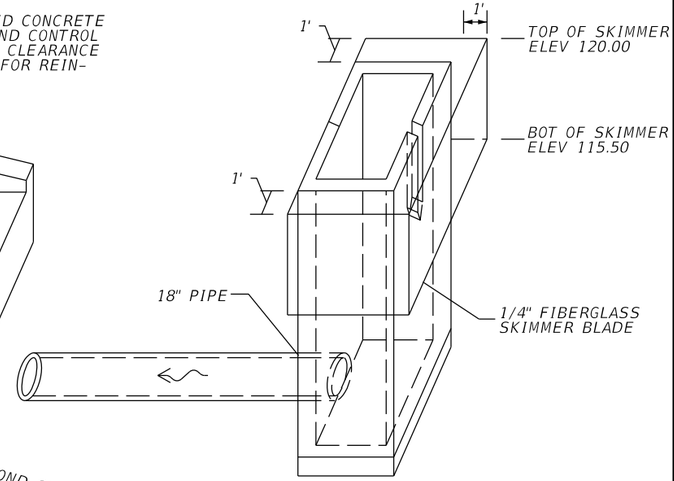
DETAIL "B"
NTS



DETAIL "C"
NTS



MOUNTING STRAP
NTS



SKIMMER DETAIL
NTS

NOTE:
1. CONTRACTOR SHALL CUT A STAINLESS STEEL PLATE TO DIMENSION AS SHOWN ON TABLE. USE 1/2" X 4" EXPAN. STAINLESS STEEL ANCHOR BOLT.

2. THE COST OF THE FIBERGLASS SKIMMERS WITH ASSOCIATED HARDWARE, CLASS I MISC. CONCRETE, AND FITTINGS SHALL BE INCLUDED IN THE COST OF THE MODIFIED INLETS.

3. SKIMMER ATTACHMENT NOTE: SKIMMER TO BE ATTACHED TO BACK OF STRUCTURE USING 3/8" STAINLESS STEEL STUD TYPE EXPANSION ANCHOR WITH NUT AND WASHER. EMBEDDED DEPTH TO BE 2-1/2". ANCHORS TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS OR AS DIRECTED BY THE ENGINEER.

4. MOUNTING STRAPS SHALL BE 1/4" THICK BENT STAINLESS STEEL PLATES WITH DRILLED HOLES.

5. FASTEN MOUNTING STRAP IN WITH 1/2" X 4" EXPAN. STAINLESS STEEL ANCHOR BOLT.

6. ALL CONTROL STRUCTURES SHALL HAVE STEEL RECTICULAR GRATES.

CONTROL STRUCTURE CS141B1
CONST MODIFIED TYPE E DBI
@ POND141, STA 613+99.45, 18.75' RT
SEE STRUCTURE, WEIR, SKIMMER, DITCH PAVEMENT DETAILS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

CONTROL STRUCTURE DETAIL POND 141B1

SHEET NO. 327

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:22:00 AM c:\pwworking\aecom_na\rmartini\d0164799\DRDTRD01_POND141B1_B.DGN

LEGEND

ESHW = ESTIMATED SEASONAL HIGH WATER
DHW = DESIGN HIGH WATER
☢ = APPROXIMATE BORING LOCATION

NOTES:

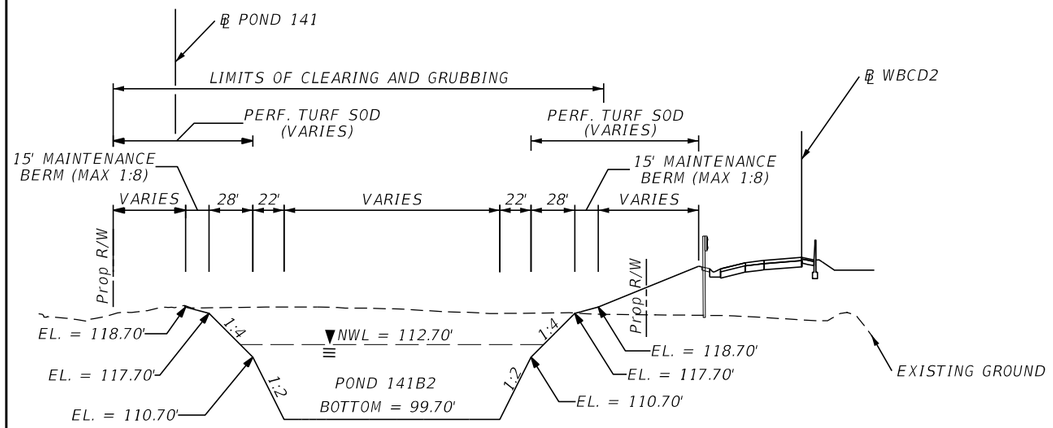
1. MAINTENANCE ACCESS AND MAINTENANCE BERM SHALL BE SOD ON 12" OF TYPE B STABILIZATION.

2. MINIMUM RADIUS AT INSIDE TOP OF MAINTENANCE BERM IS 30 FEET UNLESS OTHERWISE NOTED. CURVES ABOVE AND BELOW THE INSIDE TOP OF BERM ARE CONCENTRIC. MINIMUM RADIUS FOR CURVES BELOW THE INSIDE BERM IS 5 FEET.

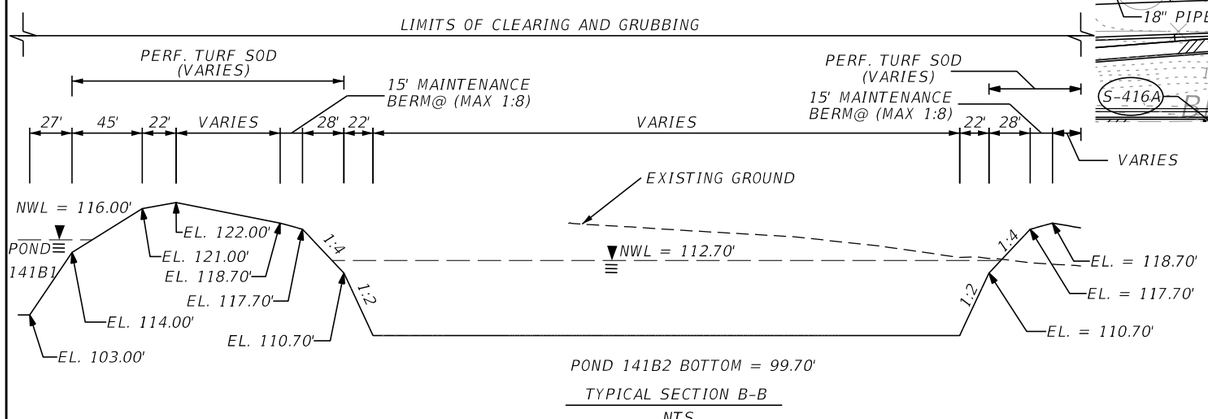
3. REFER TO CONTROL STRUCTURE DETAIL SHEET FOR ADDITIONAL CONTROL STRUCTURE INFORMATION. USE FDOT INDEX 240 FOR SKIMMER DETAILS.

POND 141B2

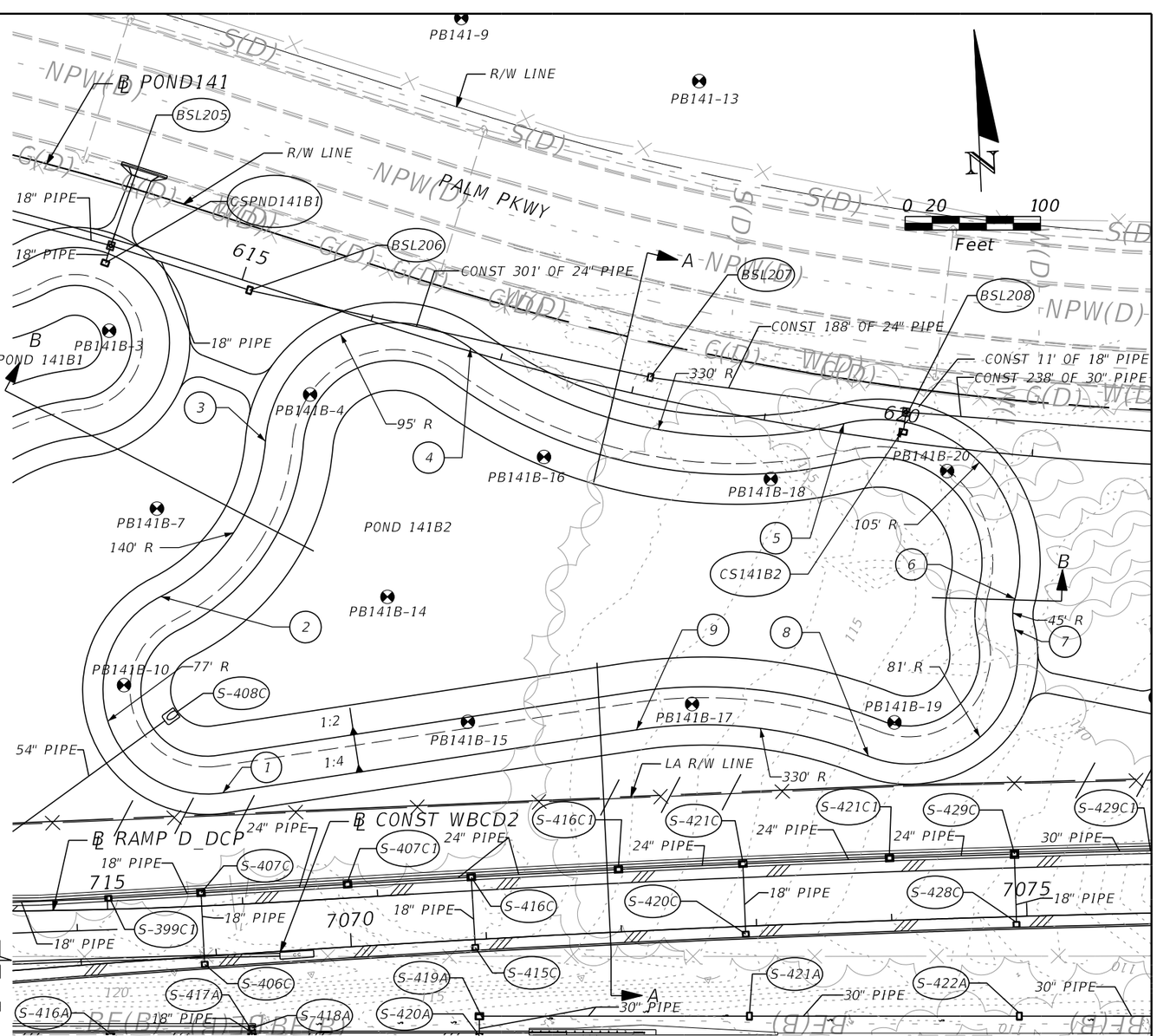
REFERENCE POINT	℄ POND141	OFFSET (FT)	SIDE
1	616+01.82	365.36	RT
2	615+14.00	241.10	RT
3	615+52.80	108.37	RT
4	616+76.18	2.39	LT
5	619+58.61	7.18	LT
6	620+96.67	106.21	RT
7	620+98.27	128.56	RT
8	620+08.55	233.57	RT
9	618+52.97	242.45	RT



TYPICAL SECTION A-A
NTS



TYPICAL SECTION B-B
NTS



POND 141B2 = 4.30 ACRES
DHW EL. = 115.65' (025Y024HR) - INTERIM DCP
DHW EL. = 115.31' (025Y024HR) - I-4 BTU
NWL EL. = 112.70'

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

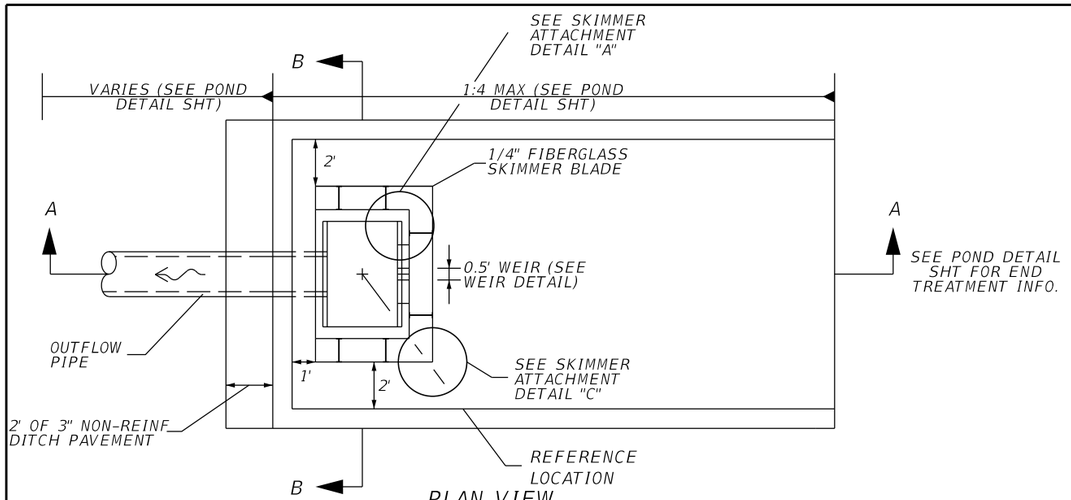
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND DETAIL
POND 141B2

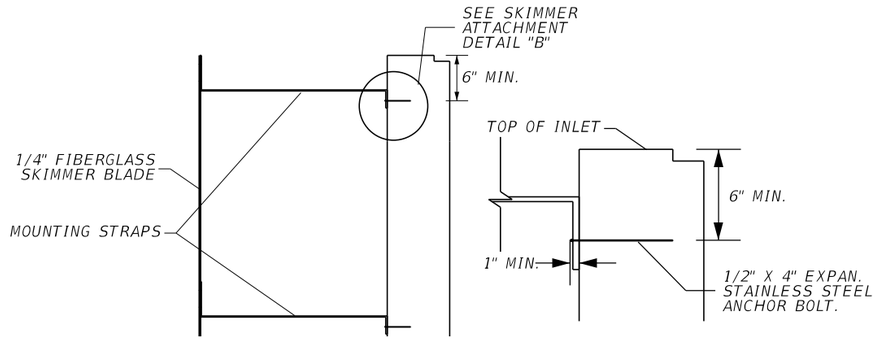
SHEET NO. 328

robert.martini 8/22/2019 11:22:06 AM c:\pwworking\aecom_na\rmartini\d0164799\DRDTRD01_POND141B2_A.DGN



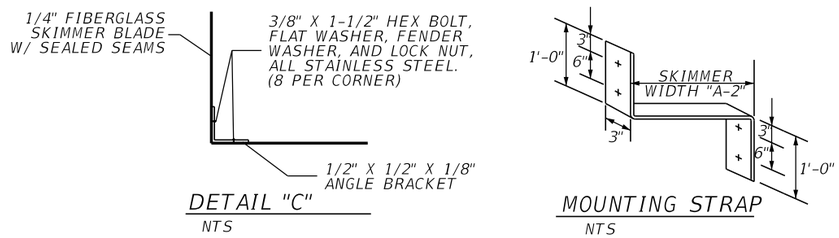
PLAN VIEW
NTS

SKIMMER ATTACHMENT DETAILS



DETAIL "A"
NTS

DETAIL "B"
NTS



DETAIL "C"
NTS

MOUNTING STRAP
NTS

NOTE:
1. CONTRACTOR SHALL CUT A STAINLESS STEEL PLATE TO DIMENSION AS SHOWN ON TABLE. USE 1/2" X 4" EXPAN. STAINLESS STEEL ANCHOR BOLT.

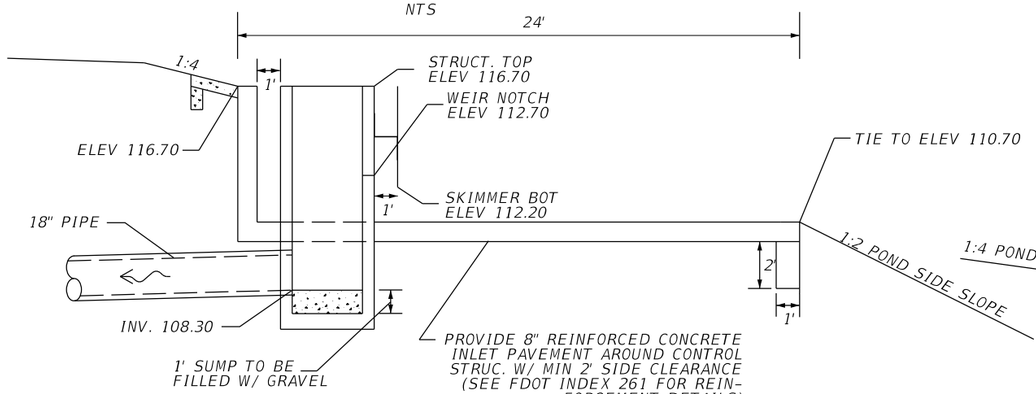
2. THE COST OF THE FIBERGLASS SKIMMERS WITH ASSOCIATED HARDWARE, CLASS I MISC. CONCRETE, AND FITTINGS SHALL BE INCLUDED IN THE COST OF THE MODIFIED INLETS.

3. SKIMMER ATTACHMENT NOTE: SKIMMER TO BE ATTACHED TO BACK OF STRUCTURE USING 3/8" STAINLESS STEEL STUD TYPE EXPANSION ANCHOR WITH NUT AND WASHER. EMBEDDED DEPTH TO BE 2-1/2". ANCHORS TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS OR AS DIRECTED BY THE ENGINEER.

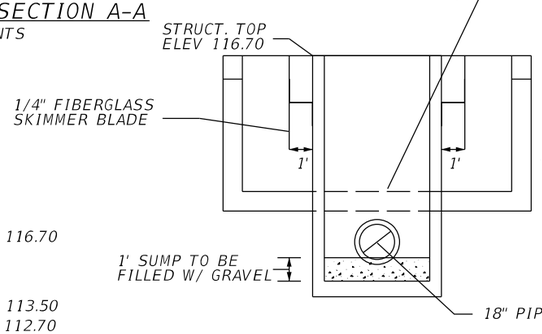
4. MOUNTING STRAPS SHALL BE 1/4" THICK BENT STAINLESS STEEL PLATES WITH DRILLED HOLES.

5. FASTEN MOUNTING STRAP IN WITH 1/2" X 4" EXPAN. STAINLESS STEEL ANCHOR BOLT.

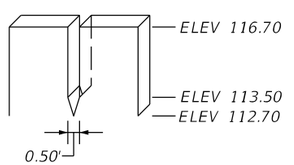
6. ALL CONTROL STRUCTURES SHALL HAVE STEEL RECTICULAR GRATES.



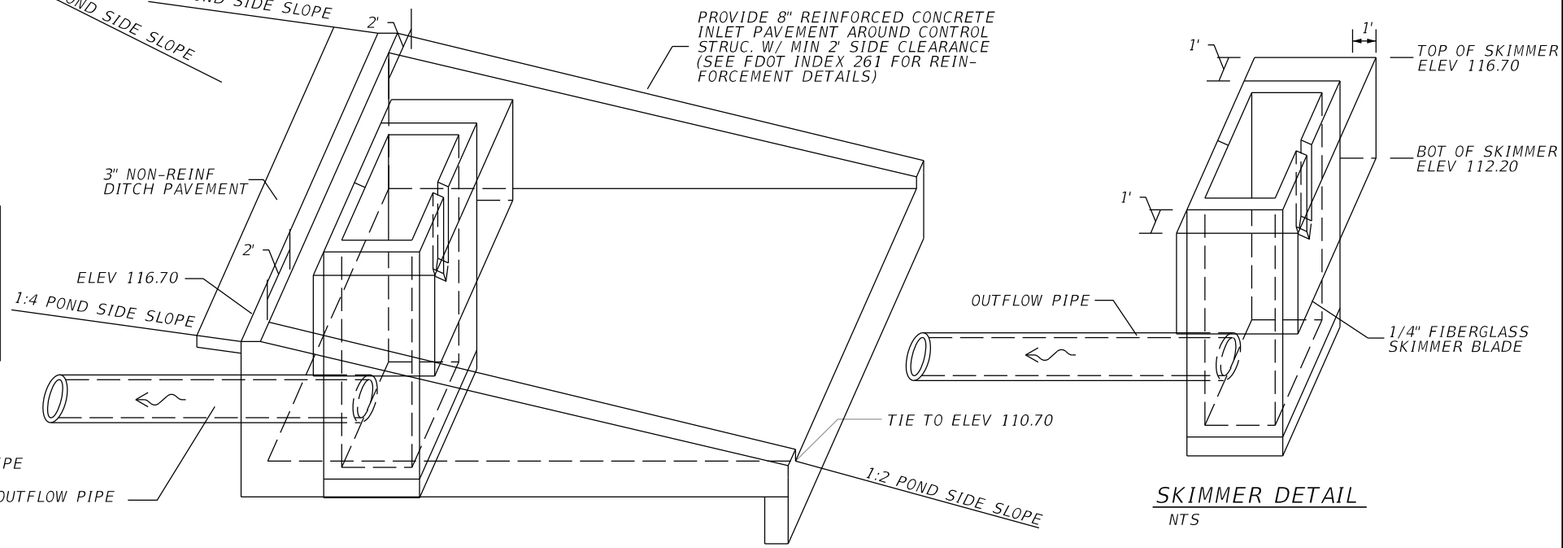
SECTION A-A
NTS



SECTION B-B
NTS



WEIR DETAIL
NTS



CONCRETE INLET PAVEMENT DETAIL
NTS

SKIMMER DETAIL
NTS

CONTROL STRUCTURE CS141B2
CONST MODIFIED TYPE E DBI
@ POND141, STA 620+03.13, 7.33' LT
SEE STRUCTURE, WEIR, SKIMMER, DITCH PAVEMENT DETAILS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

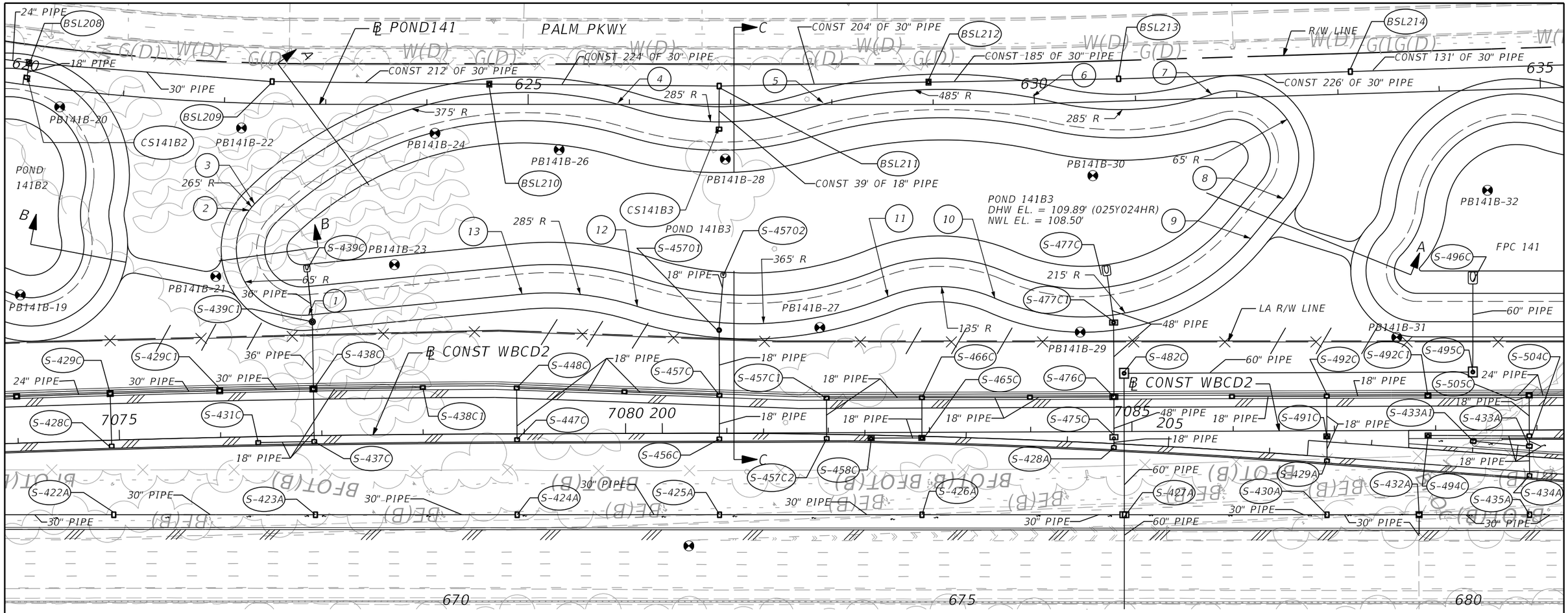
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

CONTROL STRUCTURE DETAIL
POND 141B2

SHEET NO. 329

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:22:08 AM c:\pwworking\aecom_na\rmartini\d0164799\DRDTRD01_POND141B2_B.DGN



REFERENCE POINT	℄ POND141	OFFSET (FT)	SIDE
1	622+84.01	207.94	RT
2	622+27.71	105.57	RT
3	622+32.35	98.83	RT
4	625+88.33	1.26	LT
5	627+91.35	1.65	LT
6	629+98.66	7.44	LT
7	631+75.41	3.88	LT
8	632+42.99	101.39	RT
9	632+09.24	139.51	RT
10	629+60.94	191.35	RT
11	628+55.42	189.66	RT
12	626+07.82	199.38	RT
13	624+94.08	187.39	RT

LEGEND

ESHW = ESTIMATED SEASONAL HIGH WATER
DHW = DESIGN HIGH WATER
⊠ = APPROXIMATE BORING LOCATION

NOTES:

1. MAINTENANCE ACCESS AND MAINTENANCE BERM SHALL BE SOD ON 12" OF TYPE B STABILIZATION.

2. MINIMUM RADIUS AT INSIDE TOP OF MAINTENANCE BERM IS 30 FEET UNLESS OTHERWISE NOTED. CURVES ABOVE AND BELOW THE INSIDE TOP OF BERM ARE CONCENTRIC. MINIMUM RADIUS FOR CURVES BELOW THE INSIDE BERM IS 5 FEET.

3. REFER TO CONTROL STRUCTURE DETAIL SHEET FOR ADDITIONAL CONTROL STRUCTURE INFORMATION. USE FDOT INDEX 240 FOR SKIMMER DETAILS.

N

0 20 100
Feet

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL, 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

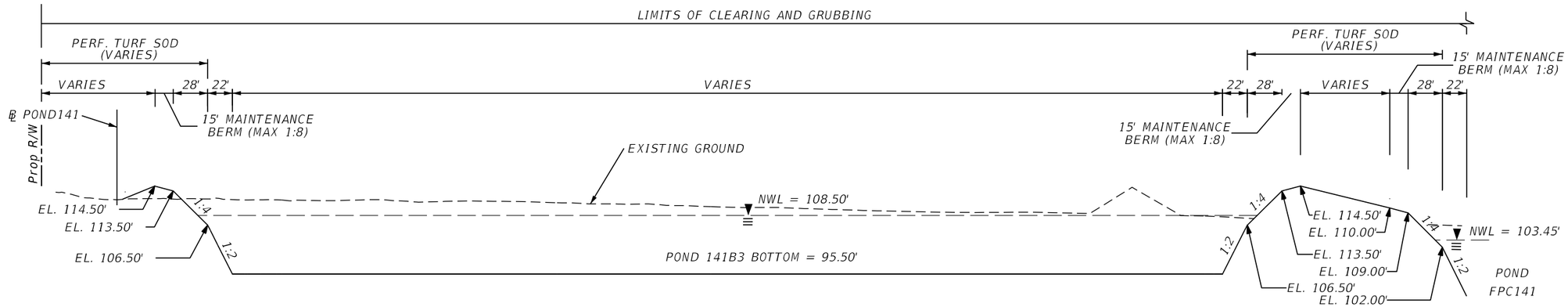
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

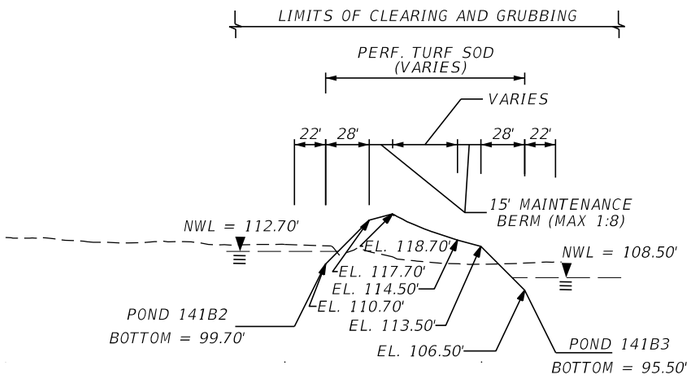
POND DETAIL
POND 141B3

SHEET NO. 330

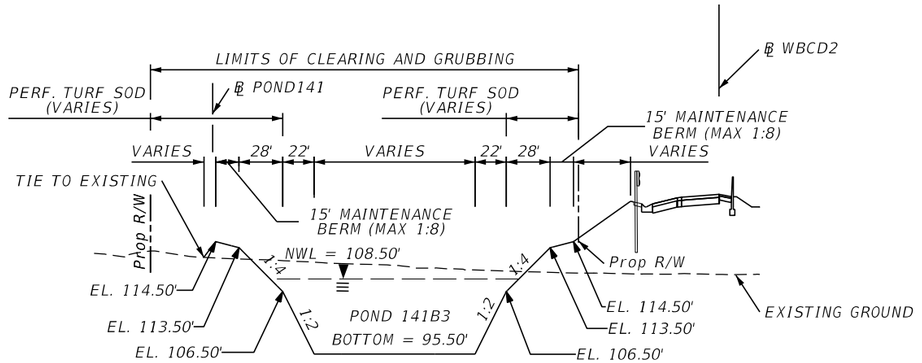
robert.martini 8/22/2019 11:22:15 AM c:\pwworking\aecom_na\rmartini\d0164799\DRDTRD01_POND141B3_A.DGN



TYPICAL SECTION A-A
NTS



TYPICAL SECTION B-B
NTS



TYPICAL SECTION C-C
NTS

POND 141B3 = 5.29 ACRES
DHW EL. = 109.89' (025Y024HR) - INTERIM DCP
DHW EL. = 111.65' (025YR024HR) - I-4 BTU
NWL EL. = 108.50'

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

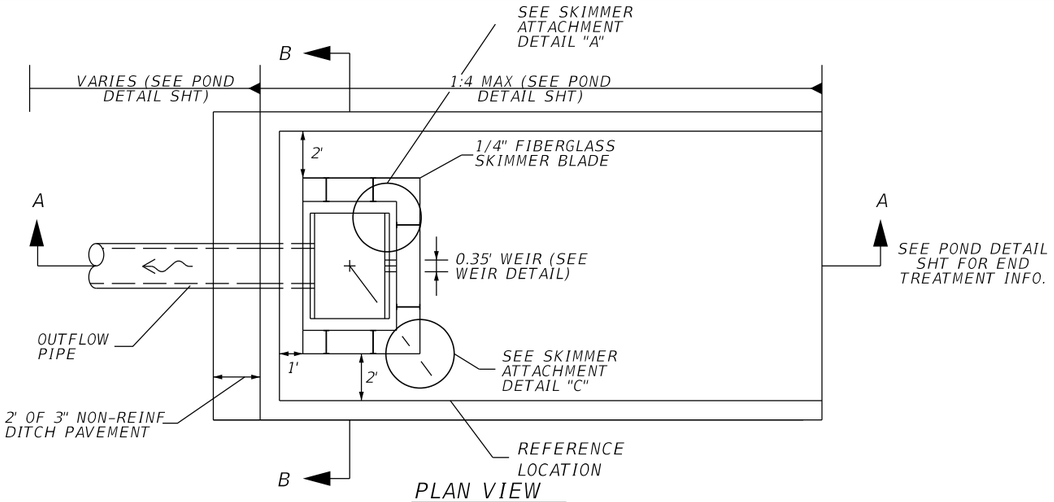
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

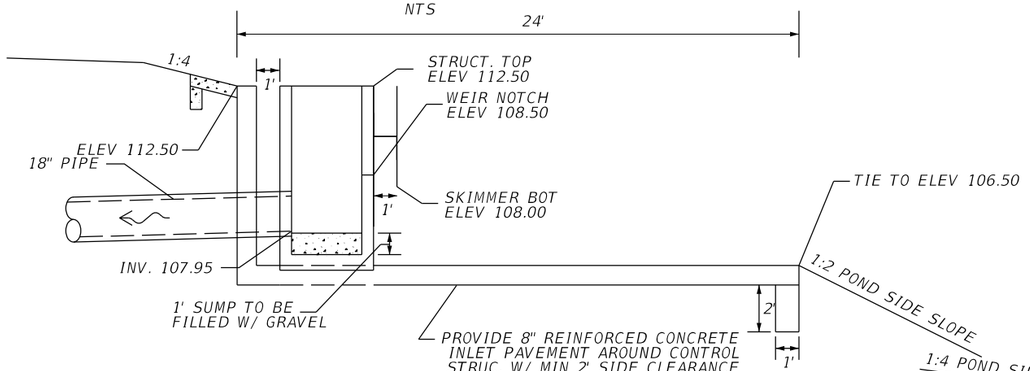
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND TYPICAL SECTIONS
POND 141B3

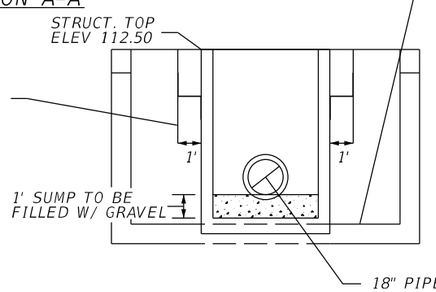
SHEET NO. 331



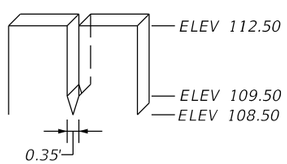
PLAN VIEW
NTS



SECTION A-A
NTS



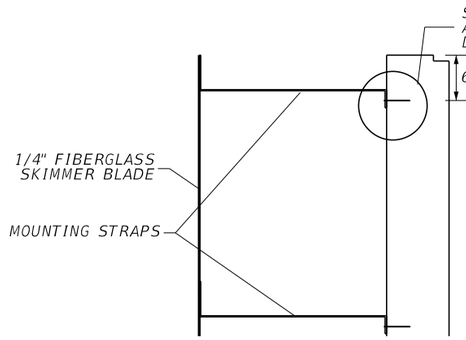
SECTION B-B
NTS



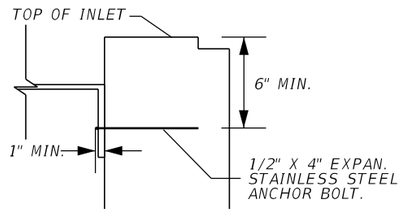
WEIR DETAIL
NTS

CONTROL STRUCTURE CS141B3
CONST MODIFIED TYPE E DBI
@ POND141, STA 626+88.51, 22.40' RT
SEE STRUCTURE, WEIR, SKIMMER, DITCH PAVEMENT DETAILS

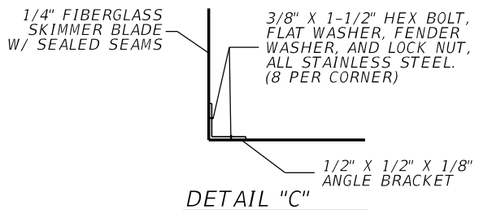
SKIMMER ATTACHMENT DETAILS



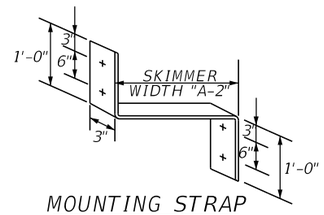
DETAIL "A"
NTS



DETAIL "B"
NTS



DETAIL "C"
NTS



MOUNTING STRAP
NTS

NOTE:
1. CONTRACTOR SHALL CUT A STAINLESS STEEL PLATE TO DIMENSION AS SHOWN ON TABLE. USE 1/2" X 4" EXPAN. STAINLESS STEEL ANCHOR BOLT.

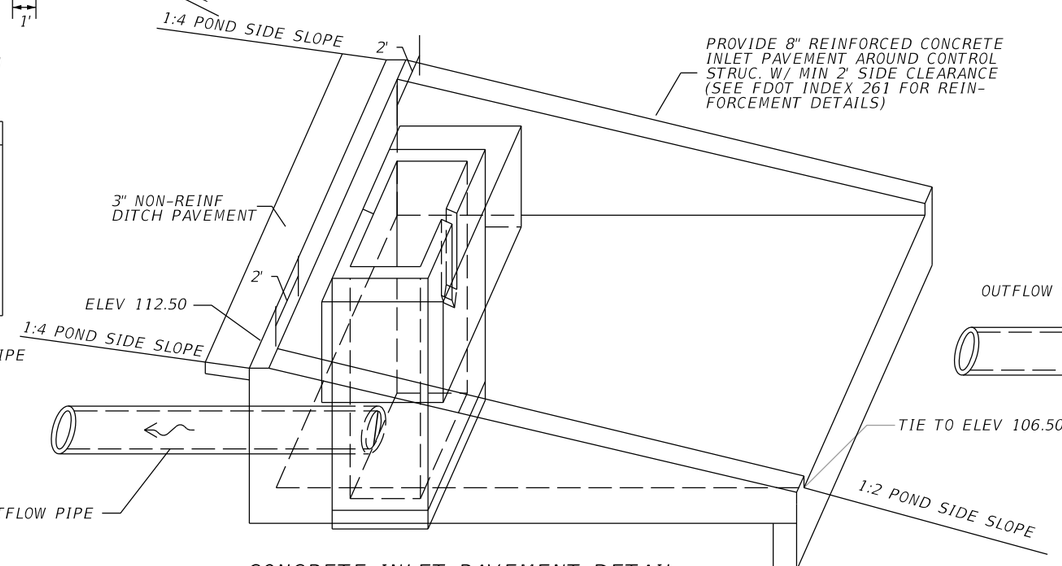
2. THE COST OF THE FIBERGLASS SKIMMERS WITH ASSOCIATED HARDWARE, CLASS I MISC. CONCRETE, AND FITTINGS SHALL BE INCLUDED IN THE COST OF THE MODIFIED INLETS.

3. SKIMMER ATTACHMENT NOTE: SKIMMER TO BE ATTACHED TO BACK OF STRUCTURE USING 3/8" STAINLESS STEEL STUD TYPE EXPANSION ANCHOR WITH NUT AND WASHER. EMBEDDED DEPTH TO BE 2-1/2". ANCHORS TO BE IN-STALLED PER MANUFACTURER'S RECOMMENDA-TIONS OR AS DIRECTED BY THE ENGINEER.

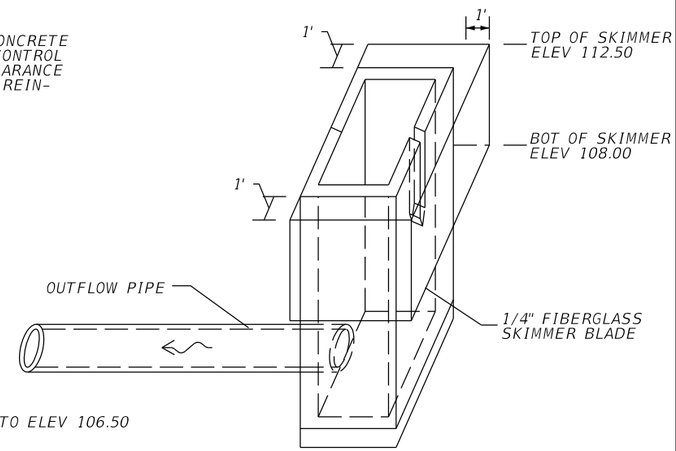
4. MOUNTING STRAPS SHALL BE 1/4" THICK BENT STAINLESS STEEL PLATES WITH DRILLED HOLES.

5. FASTEN MOUNTING STRAP IN WITH 1/2" X 4" EXPAN. STAINLESS STEEL ANCHOR BOLT.

6. ALL CONTROL STRUCTURES SHALL HAVE STEEL RECTICULAR GRATES.



CONCRETE INLET PAVEMENT DETAIL
NTS



SKIMMER DETAIL
NTS

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL, 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

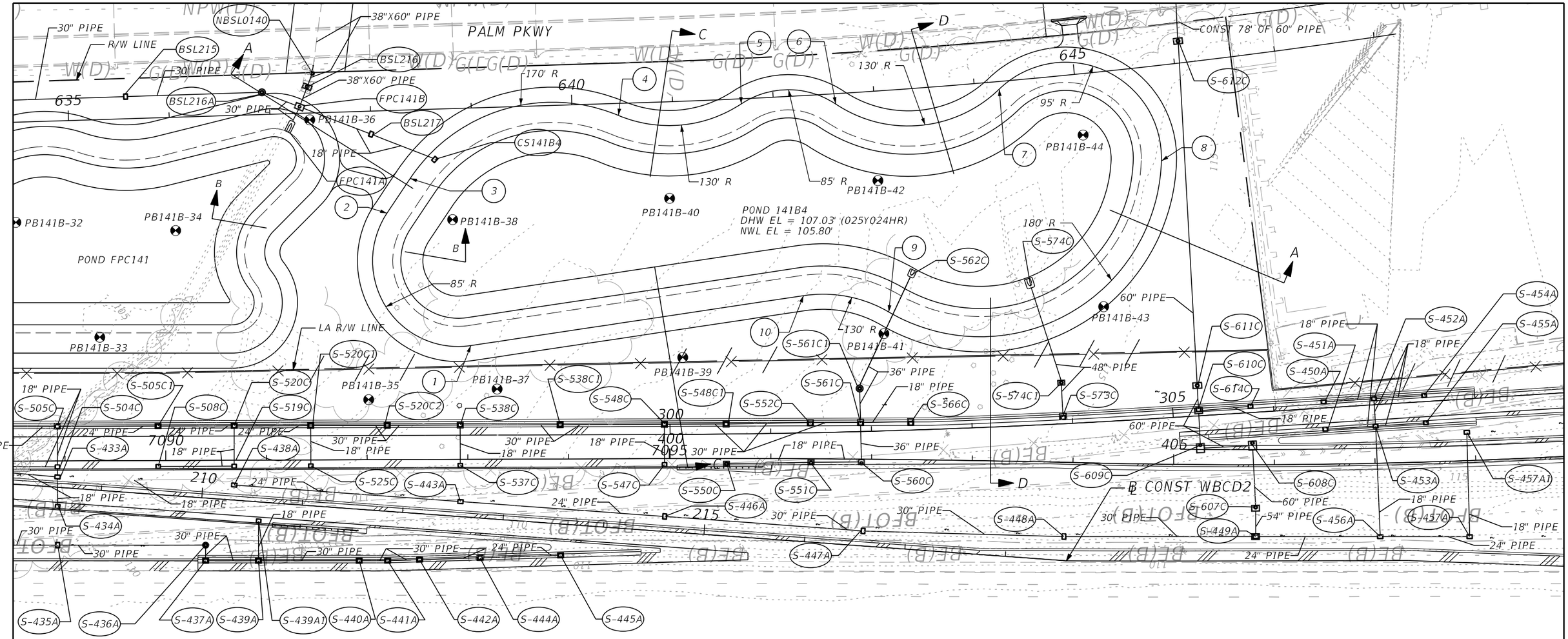
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

CONTROL STRUCTURE DETAIL POND 141B3

SHEET NO. 332

robert.martini 8/22/2019 11:22:19 AM c:\pwworking\aecom_na\rmartini\d0164799\DRDTRD01_POND141B3_C.DGN



LEGEND

ESHW = ESTIMATED SEASONAL HIGH WATER
DHW = DESIGN HIGH WATER
☢ = APPROXIMATE BORING LOCATION

NOTES:

1. MAINTENANCE ACCESS AND MAINTENANCE BERM SHALL BE SOD ON 12" OF TYPE B STABILIZATION.

2. MINIMUM RADIUS AT INSIDE TOP OF MAINTENANCE BERM IS 30 FEET UNLESS OTHERWISE NOTED. CURVES ABOVE AND BELOW THE INSIDE TOP OF BERM ARE CONCENTRIC. MINIMUM RADIUS FOR CURVES BELOW THE INSIDE BERM IS 5 FEET.

3. REFER TO CONTROL STRUCTURE DETAIL SHEET FOR ADDITIONAL CONTROL STRUCTURE INFORMATION. USE FDOT INDEX 240 FOR SKIMMER DETAILS.

POND 141B4

REFERENCE POINT	℄ POND141	OFFSET (FT)	SIDE
1	638+92.33	235.59	RT
2	638+13.18	101.78	RT
3	638+37.32	67.98	RT
4	640+46.05	12.03	RT
5	641+68.03	5.07	RT
6	642+61.71	10.29	RT
7	644+24.50	7.61	RT
8	645+76.77	70.43	RT
9	643+07.08	224.66	RT
10	642+19.39	198.15	RT

N

0 20 100
Feet

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

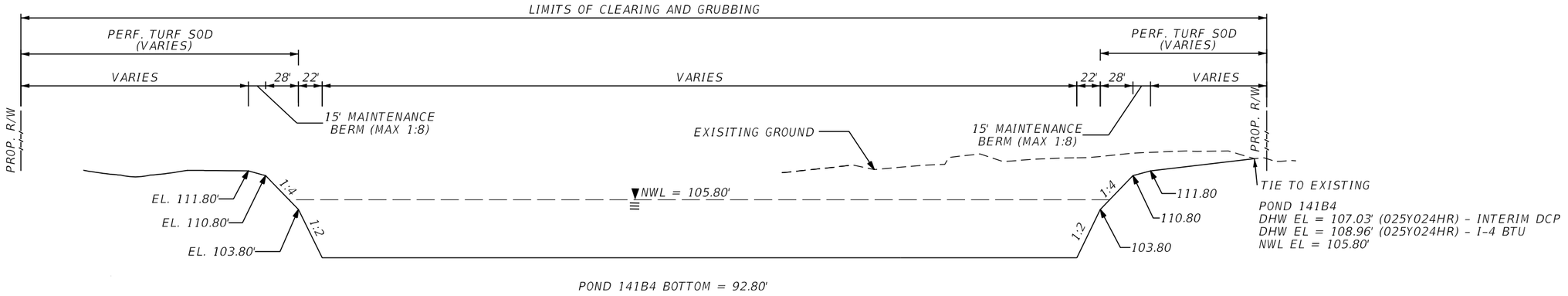
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

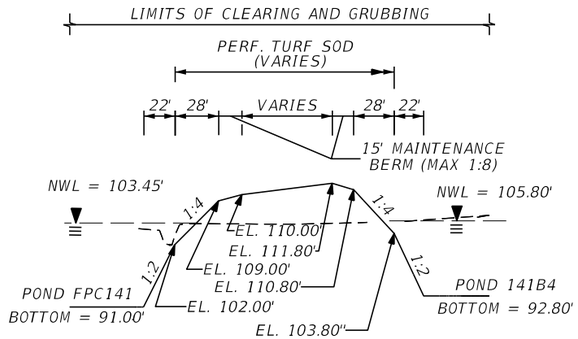
POND DETAIL
POND 141B4

SHEET NO. 333

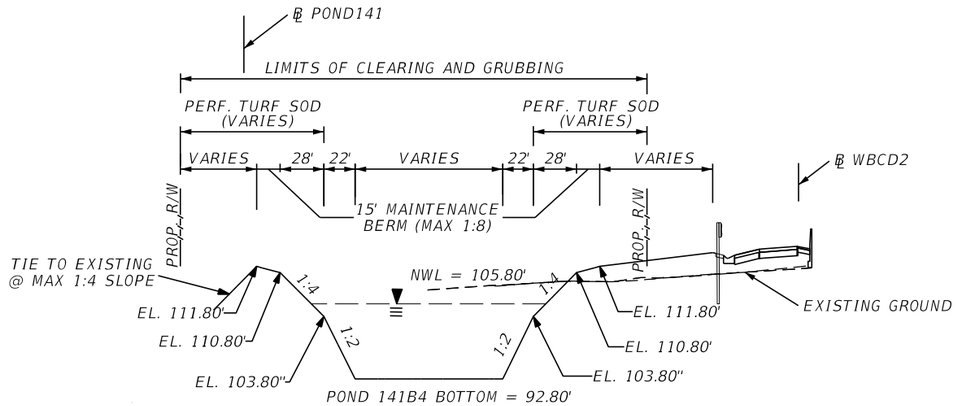
robert.martini 8/22/2019 11:22:27 AM c:\pwworking\aecom_na\rmartini\d0164799\DRDTRD01_POND141B4_A.DGN



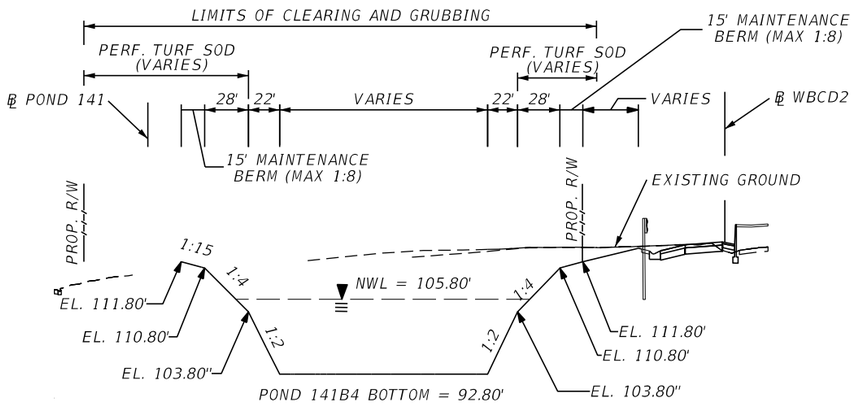
TYPICAL SECTION A-A
NTS



TYPICAL SECTION B-B
NTS



TYPICAL SECTION C-C
NTS



TYPICAL SECTION D-D
NTS

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

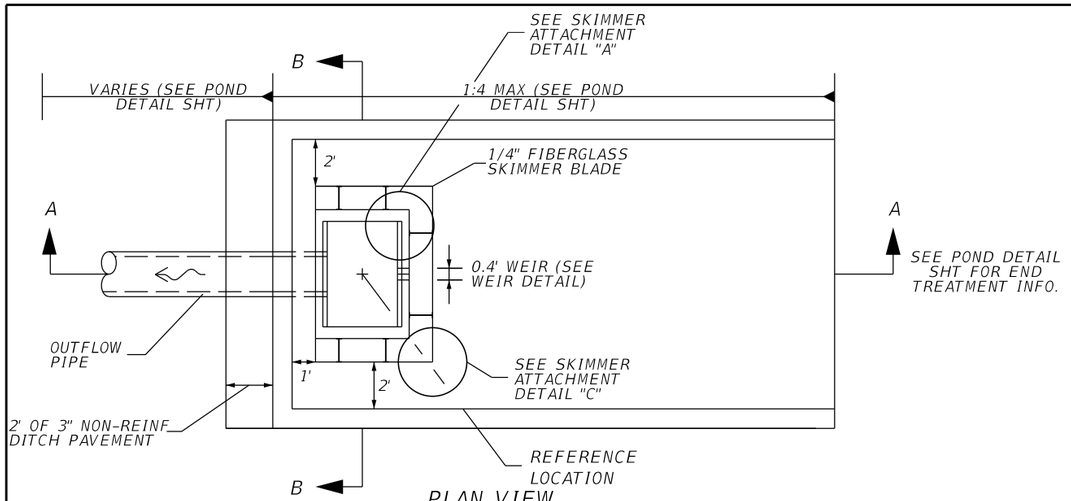
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

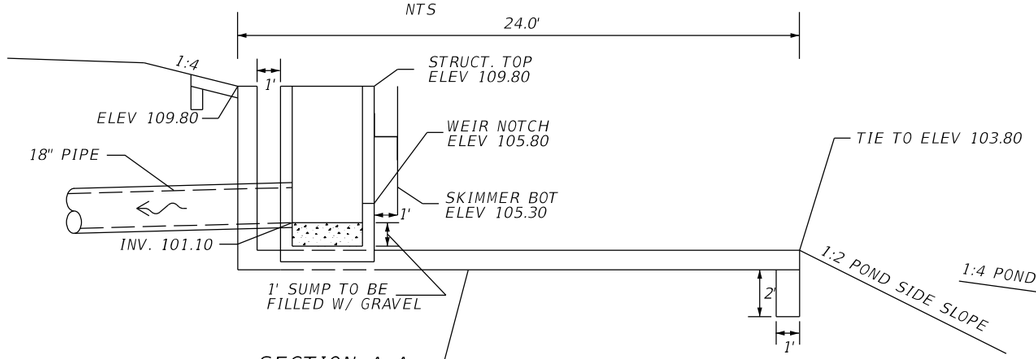
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND TYPICAL SECTIONS
POND 141 B4

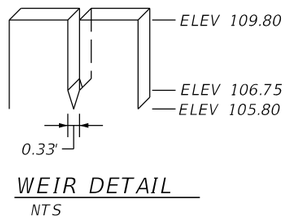
SHEET NO.
334



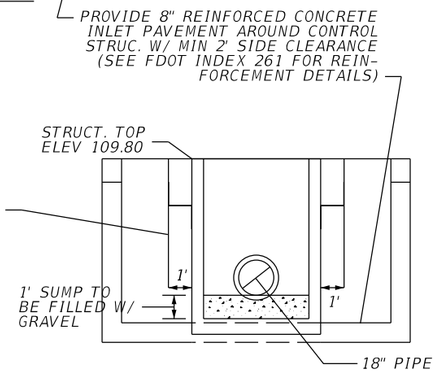
PLAN VIEW
NTS



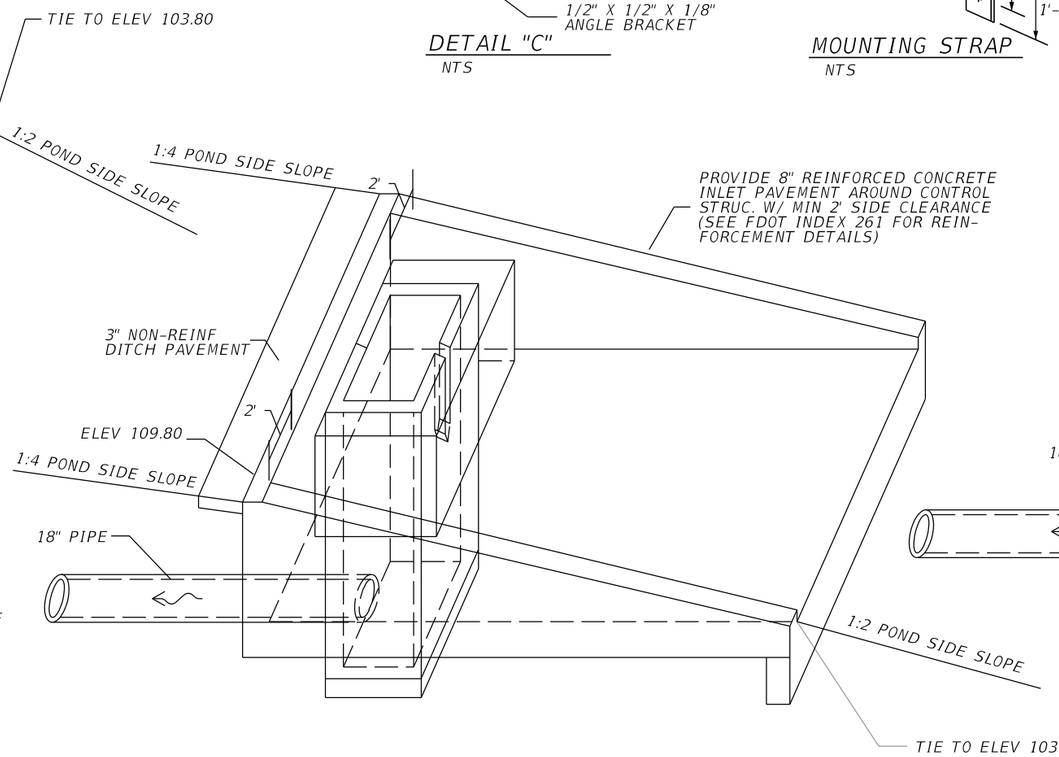
SECTION A-A
NTS



WEIR DETAIL
NTS

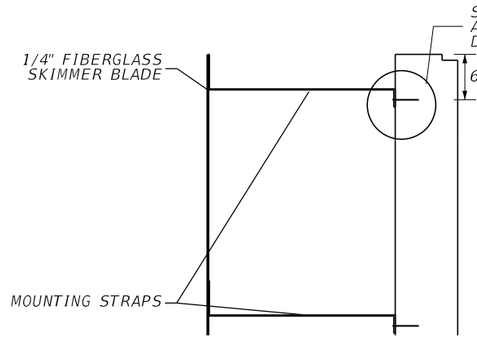


SECTION B-B
NTS

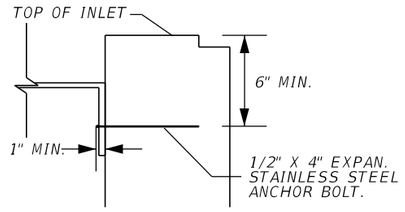


CONCRETE INLET PAVEMENT DETAIL
NTS

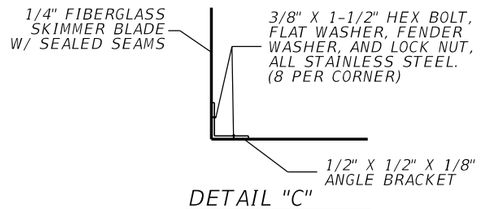
SKIMMER ATTACHMENT DETAILS



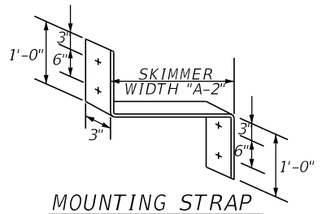
DETAIL "A"
NTS



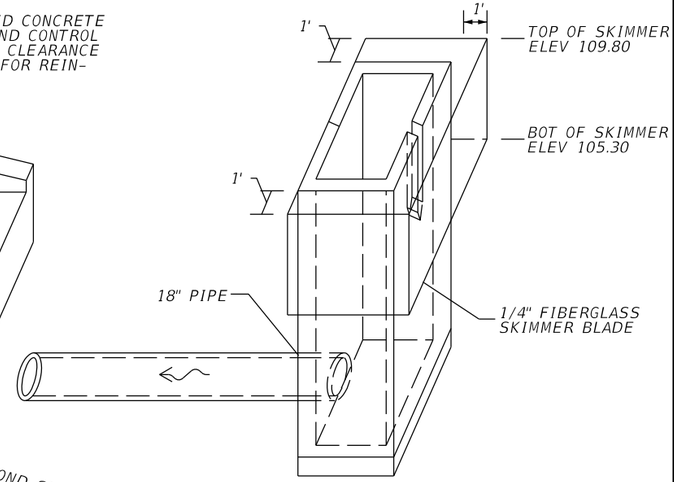
DETAIL "B"
NTS



DETAIL "C"
NTS



MOUNTING STRAP
NTS



SKIMMER DETAIL
NTS

NOTE:
1. CONTRACTOR SHALL CUT A STAINLESS STEEL PLATE TO DIMENSION AS SHOWN ON TABLE. USE 1/2" X 4" EXPAN. STAINLESS STEEL ANCHOR BOLT.

2. THE COST OF THE FIBERGLASS SKIMMERS WITH ASSOCIATED HARDWARE, CLASS I MISC. CONCRETE, AND FITTINGS SHALL BE INCLUDED IN THE COST OF THE MODIFIED INLETS.

3. SKIMMER ATTACHMENT NOTE: SKIMMER TO BE ATTACHED TO BACK OF STRUCTURE USING 3/8" STAINLESS STEEL STUD TYPE EXPANSION ANCHOR WITH NUT AND WASHER. EMBEDDED DEPTH TO BE 2-1/2". ANCHORS TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS OR AS DIRECTED BY THE ENGINEER.

4. MOUNTING STRAPS SHALL BE 1/4" THICK BENT STAINLESS STEEL PLATES WITH DRILLED HOLES.

5. FASTEN MOUNTING STRAP IN WITH 1/2" X 4" EXPAN. STAINLESS STEEL ANCHOR BOLT.

6. ALL CONTROL STRUCTURES SHALL HAVE STEEL RECTICULAR GRATES.

CONTROL STRUCTURE CS141B4
CONST MODIFIED TYPE E DBI
@ POND141, STA 638+62.23, 49.95' RT
SEE STRUCTURE, WEIR, SKIMMER, DITCH PAVEMENT DETAILS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

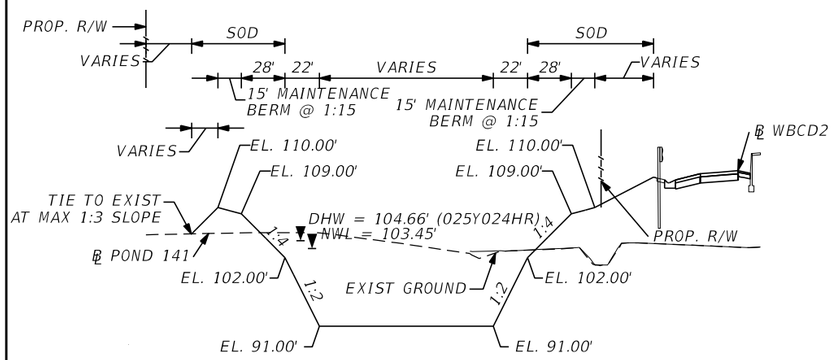
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

CONTROL STRUCTURE DETAIL POND 141B4

SHEET NO. 335

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



POND FPC141 SECTION B-B

NTS

LEGEND

DHW = DESIGN HIGH WATER
NWL = NORMAL WATER LEVEL
⊠ = APPROXIMATE BORING LOCATION

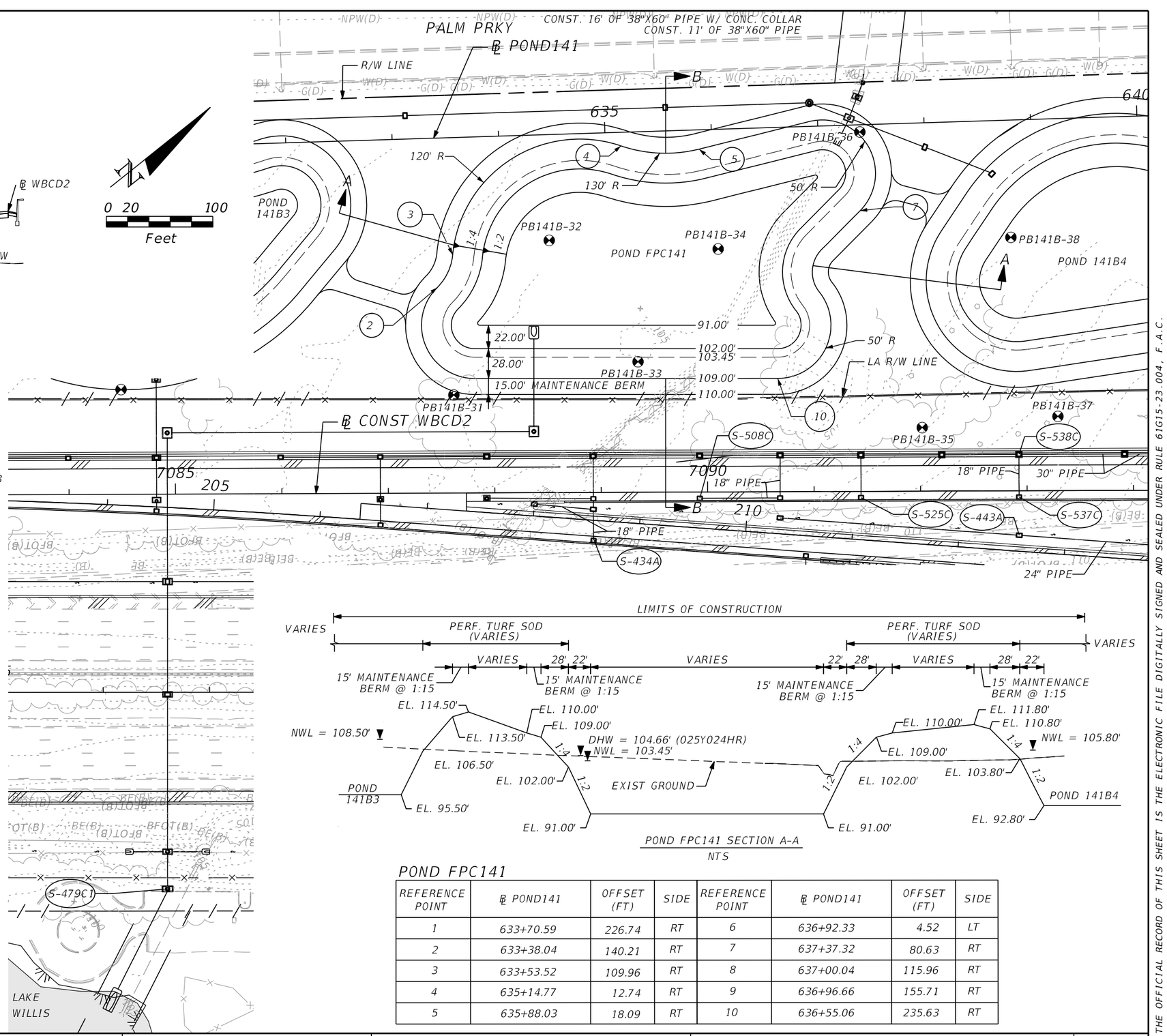
NOTES:

1. MAINTENANCE ACCESS AND MAINTENANCE BERM SHALL BE SOD ON 12" OF TYPE B STABILIZATION.

2. MINIMUM RADIUS AT INSIDE TOP OF MAINTENANCE BERM IS 30 FEET UNLESS OTHERWISE NOTED. CURVES ABOVE AND BELOW THE INSIDE TOP OF BERM ARE CONCENTRIC. MINIMUM RADIUS FOR CURVES BELOW THE INSIDE BERM IS 5 FEET.

3. REFER TO CONTROL STRUCTURE DETAIL SHEET FOR ADDITIONAL CONTROL STRUCTURE SKIMMER INFORMATION.

POND FPC141
WET DETENTION POND
NWL = 103.45' (DESIGNED SURVEY)
DHW = 104.66' (025Y024HR) - INTERIM DCP
DHW = 104.61' (025Y024HR) - I-4 BTU



POND FPC141 SECTION A-A

NTS

POND FPC141

REFERENCE POINT	℄ POND141	OFFSET (FT)	SIDE	REFERENCE POINT	℄ POND141	OFFSET (FT)	SIDE
1	633+70.59	226.74	RT	6	636+92.33	4.52	LT
2	633+38.04	140.21	RT	7	637+37.32	80.63	RT
3	633+53.52	109.96	RT	8	637+00.04	115.96	RT
4	635+14.77	12.74	RT	9	636+96.66	155.71	RT
5	635+88.03	18.09	RT	10	636+55.06	235.63	RT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

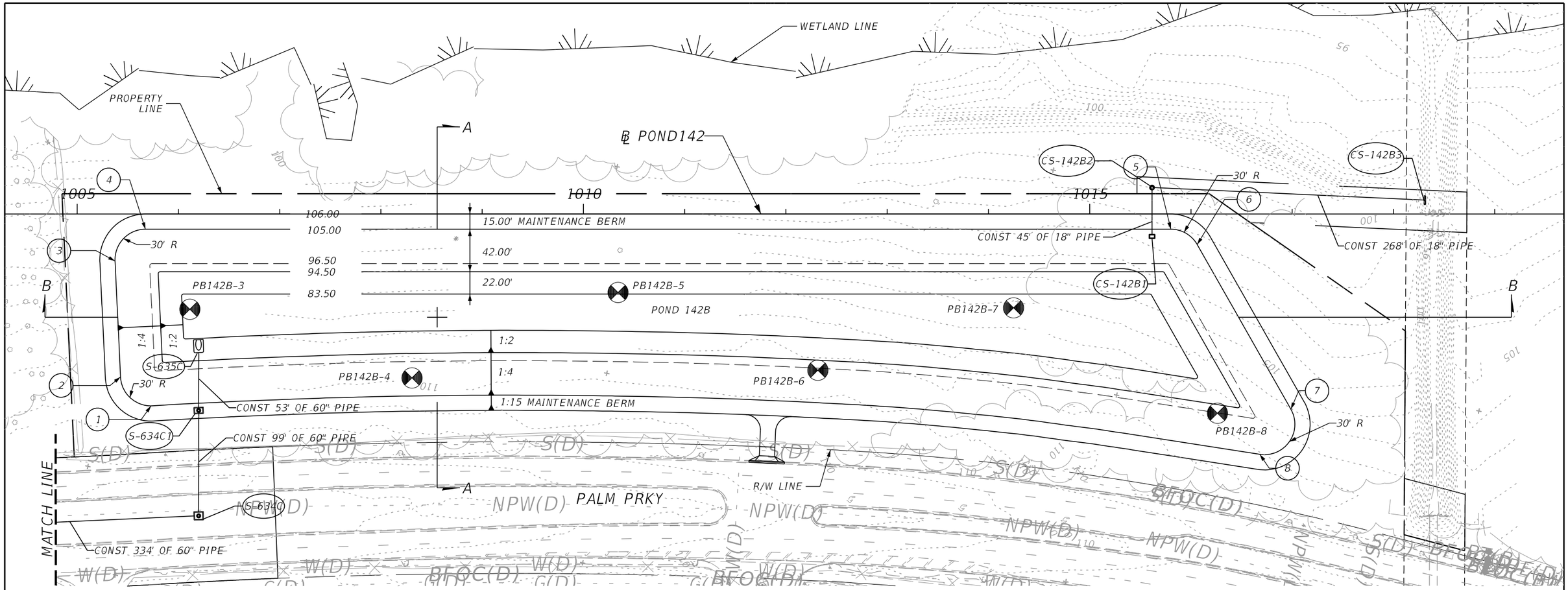
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND DETAIL
POND FPC141

SHEET NO. 336

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 11:22:46 AM c:\pwworking\aecom_na\rmartini\d0164799\DRDTRD01_POND141FPC_A.DGN



0 25 100
Feet

LEGEND

DHW = DESIGN HIGH WATER
NWL = NORMAL WATER LEVEL
☢ = APPROXIMATE BORING LOCATION

NOTES:

1. MAINTENANCE ACCESS AND MAINTENANCE BERM SHALL BE SOD ON 12" OF TYPE B STABILIZATION.

2. MINIMUM RADIUS AT INSIDE TOP OF BERM IS 30 FEET. CURVES ABOVEAND BELOW THE INSIDE TOP OF BERM ARE CONCENTRIC. MINIMUM RADIUSFOR CURVES BELOW THE INSIDE BERM IS 5 FEET.

3. REFER TO CONTROL STRUCTURE DETAIL SHEET FOR ADDITIONAL CONTROL STRUCTURE AND SKIMMER INFORMATION.

POND 142B
WET DETENTION POND
NWL = 96.50'
DHW EL = 98.93' (025Y024HR) - INTERIM DCP
DHW EL = 100.62' (025Y024HR) - I-4 BTU

POND 142B

REFERENCE POINT	℄ POND142	OFFSET (FT)	SIDE
1	1005+72.87	189.45	RT
2	1005+42.79	160.86	RT
3	1005+37.41	46.41	RT
4	1005+67.37	15.00	RT
5	1015+80.16	15.00	RT
6	1016+06.23	30.17	RT
7	1016+98.73	192.81	RT
8	1016+68.06	237.29	RT

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL, 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

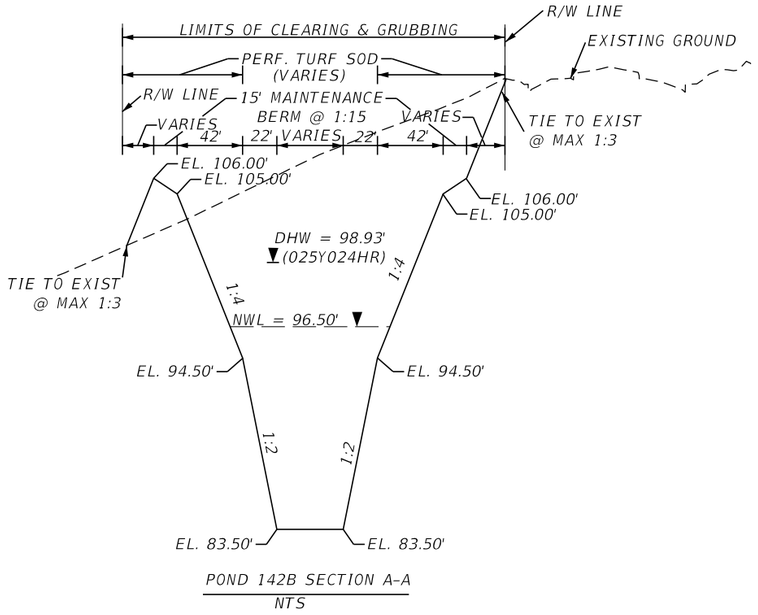
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND DETAIL
POND 142B

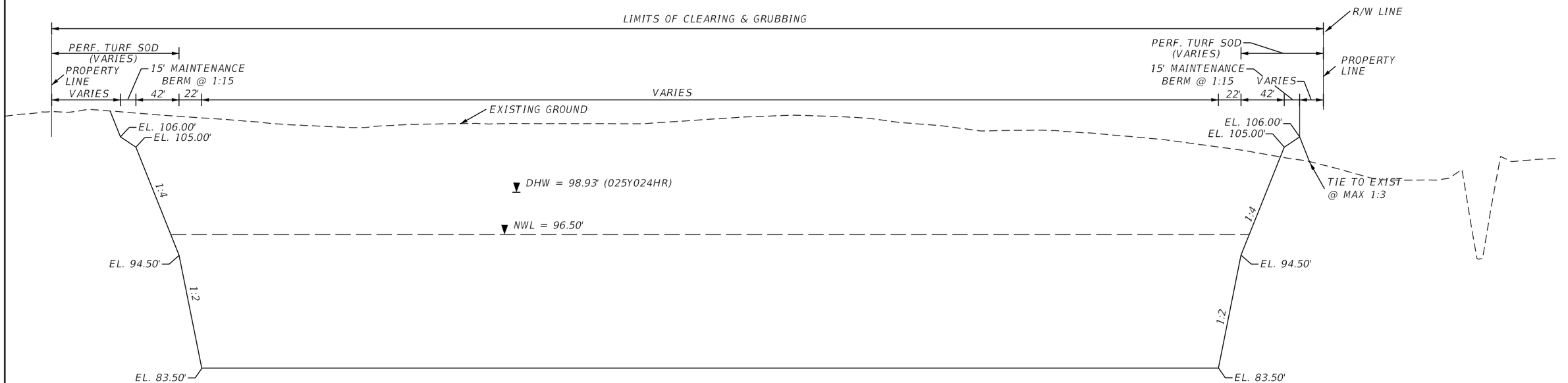
SHEET NO. 337

robert.martini 8/22/2019 11:22:48 AM c:\pwworking\aecom_na\rmartini\d0164799\DRDTRD01_POND142B_A.DGN



POND 142B SECTION A-A

NTS



POND 142B SECTION B-B

NTS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

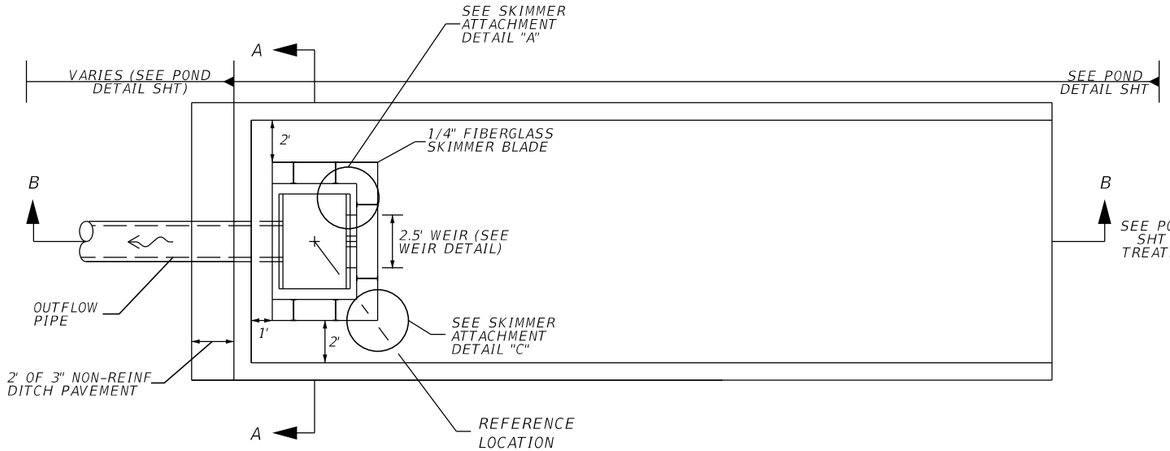
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

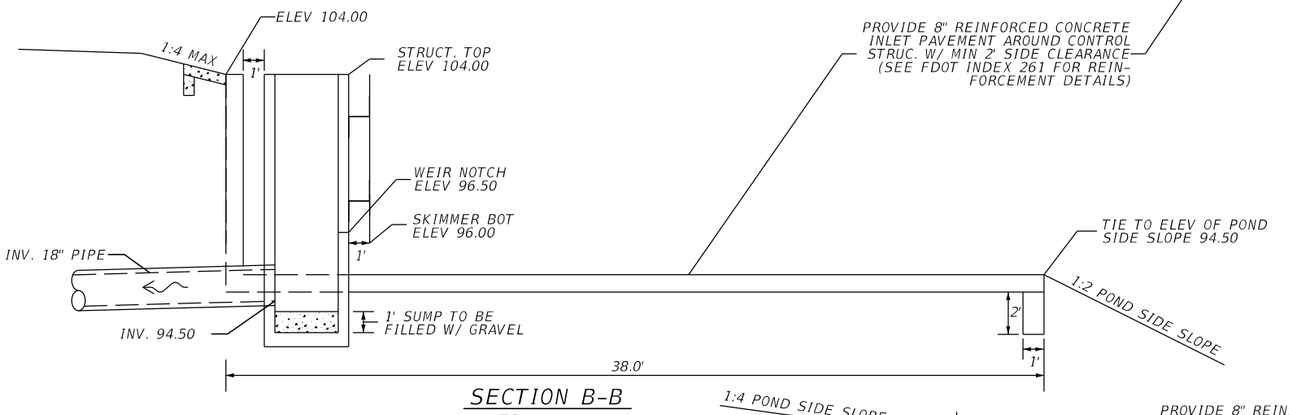
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND TYPICAL SECTIONS
POND 142B

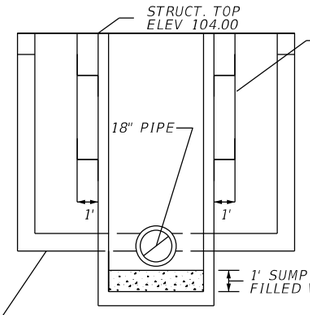
SHEET NO. 338

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

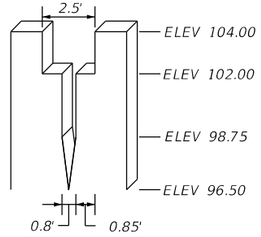




SECTION B-B
NTS

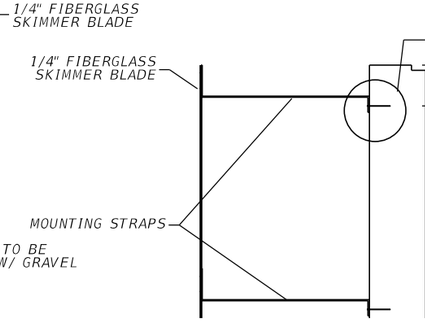


SECTION A-A
NTS

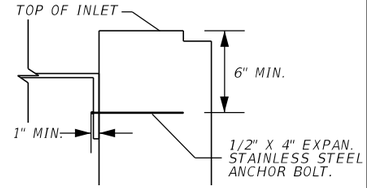


WEIR DETAIL
NTS

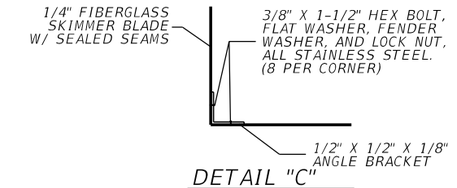
SKIMMER ATTACHMENT DETAILS



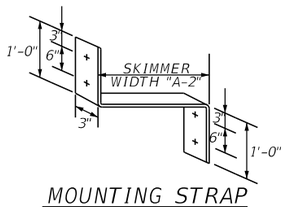
DETAIL "A"
NTS



DETAIL "B"
NTS



DETAIL "C"
NTS



MOUNTING STRAP
NTS

NOTE:
1. CONTRACTOR SHALL CUT A STAINLESS STEEL PLATE TO DIMENSION AS SHOWN ON TABLE. USE 1/2" X 4" EXPAN. STAINLESS STEEL ANCHOR BOLT.

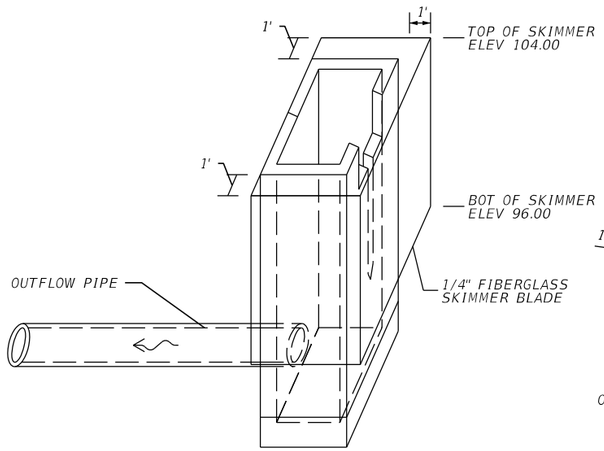
2. THE COST OF THE FIBERGLASS SKIMMERS WITH ASSOCIATED HARDWARE, CLASS I MISC. CONCRETE, AND FITTINGS SHALL BE INCLUDED IN THE COST OF THE MODIFIED INLETS.

3. SKIMMER ATTACHMENT NOTE: SKIMMER TO BE ATTACHED TO BACK OF STRUCTURE USING 3/8" STAINLESS STEEL STUD TYPE EXPANSION ANCHOR WITH NUT AND WASHER. EMBEDDED DEPTH TO BE 2-1/2". ANCHORS TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS OR AS DIRECTED BY THE ENGINEER.

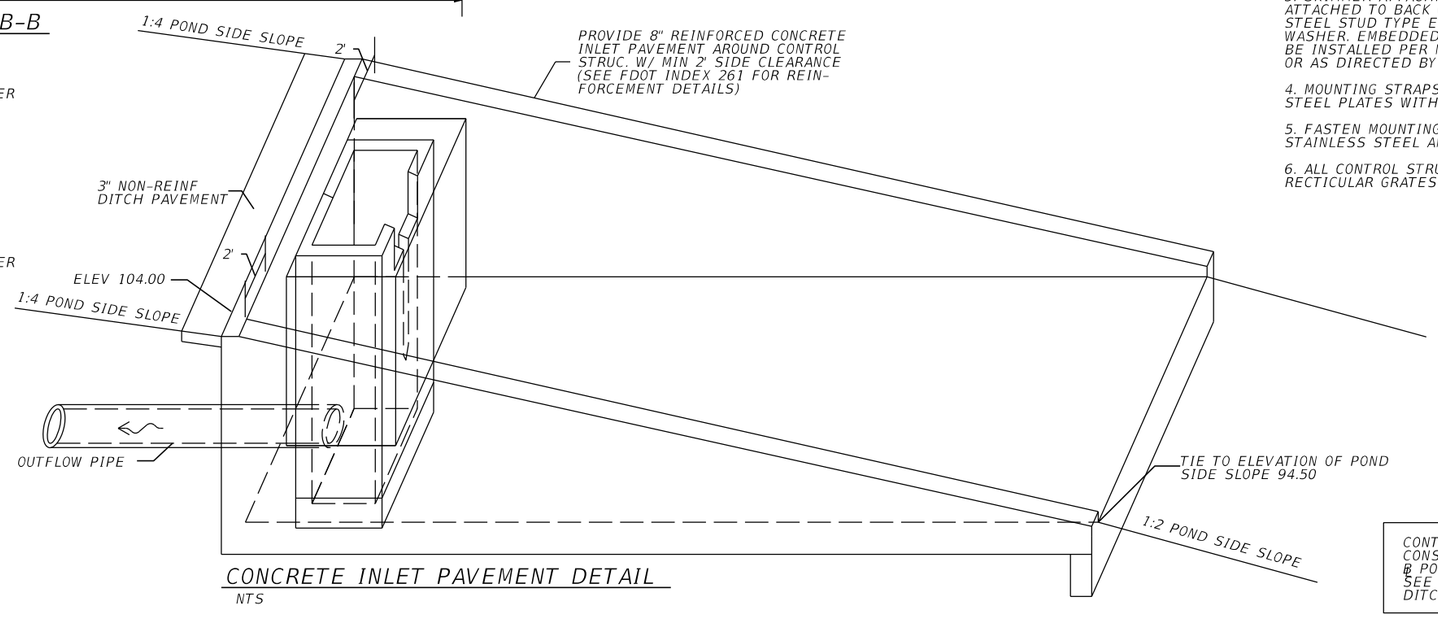
4. MOUNTING STRAPS SHALL BE 1/4" THICK BENT STAINLESS STEEL PLATES WITH DRILLED HOLES.

5. FASTEN MOUNTING STRAP IN WITH 1/2" X 4" EXPAN. STAINLESS STEEL ANCHOR BOLT.

6. ALL CONTROL STRUCTURES SHALL HAVE STEEL RECTICULAR GRATES.



SKIMMER DETAIL
NTS



CONCRETE INLET PAVEMENT DETAIL
NTS

CONTROL STRUCTURE CS142B1
CONST MODIFIED TYPE E DBI
@ POND142, STA 1015+61.62, 22.16' RT
SEE STRUCTURE, WEIR, SKIMMER, DITCH PAVEMENT DETAILS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

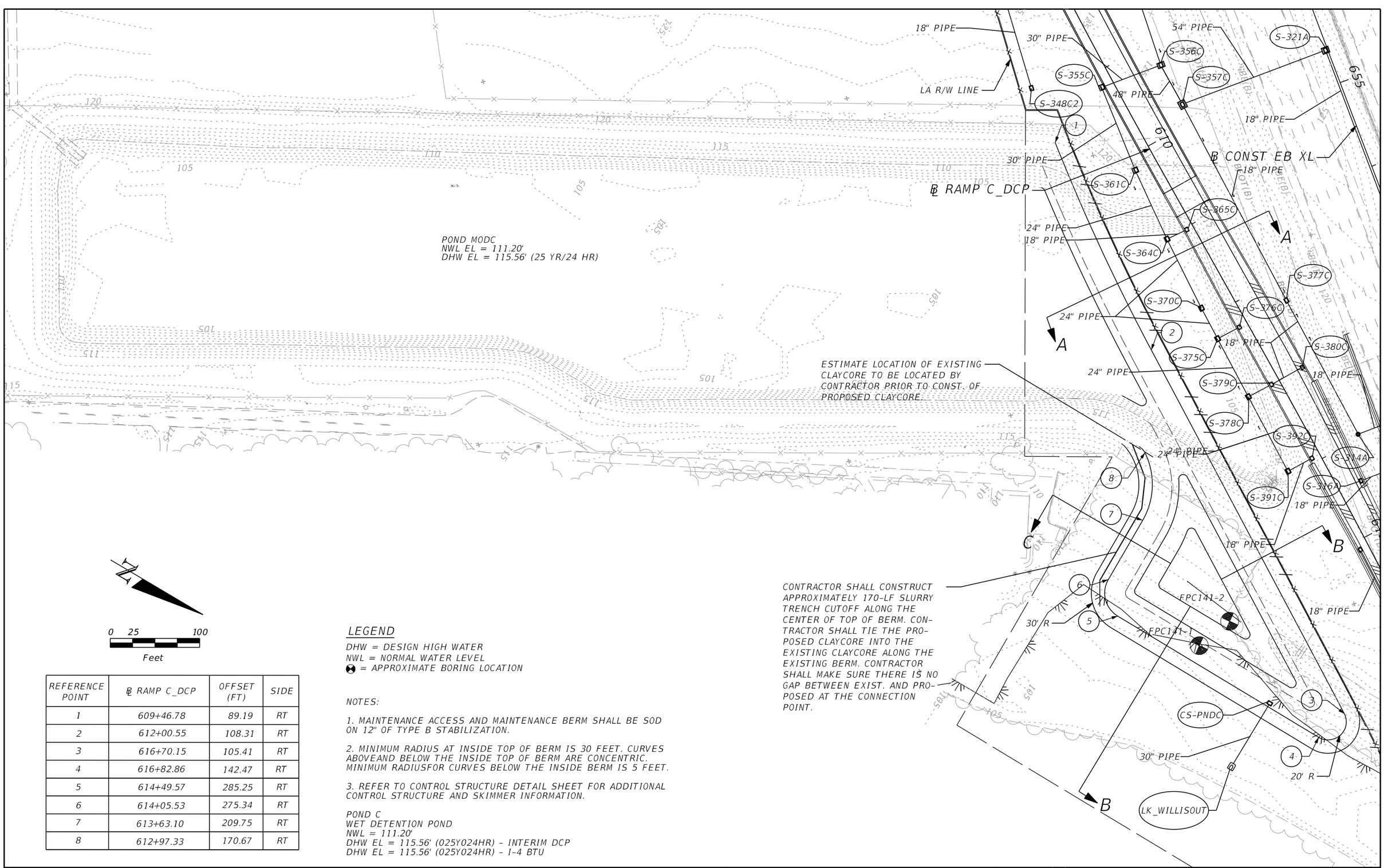
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

CONTROL STRUCTURE DETAIL POND 142B

SHEET NO. 339

robert.martini 8/22/2019 2:43:11 PM c:\pwworking\aecom_na\rmartini\d0164799\DRDTRD01_POND142B_C.DGN

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



0 25 100
Feet

REFERENCE POINT	℄ RAMP C_DCP	OFFSET (FT)	SIDE
1	609+46.78	89.19	RT
2	612+00.55	108.31	RT
3	616+70.15	105.41	RT
4	616+82.86	142.47	RT
5	614+49.57	285.25	RT
6	614+05.53	275.34	RT
7	613+63.10	209.75	RT
8	612+97.33	170.67	RT

LEGEND

DHW = DESIGN HIGH WATER
NWL = NORMAL WATER LEVEL
⊕ = APPROXIMATE BORING LOCATION

NOTES:

1. MAINTENANCE ACCESS AND MAINTENANCE BERM SHALL BE SOD ON 12" OF TYPE B STABILIZATION.

2. MINIMUM RADIUS AT INSIDE TOP OF BERM IS 30 FEET. CURVES ABOVEAND BELOW THE INSIDE TOP OF BERM ARE CONCENTRIC. MINIMUM RADIUSFOR CURVES BELOW THE INSIDE BERM IS 5 FEET.

3. REFER TO CONTROL STRUCTURE DETAIL SHEET FOR ADDITIONAL CONTROL STRUCTURE AND SKIMMER INFORMATION.

POND C
WET DETENTION POND
NWL = 111.20'
DHW EL = 115.56' (025Y024HR) - INTERIM DCP
DHW EL = 115.56' (025Y024HR) - I-4 BTU

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

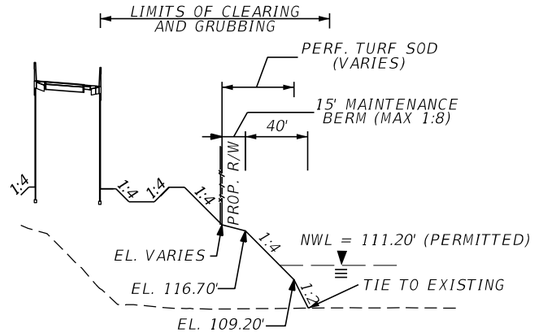
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND DETAIL
POND C

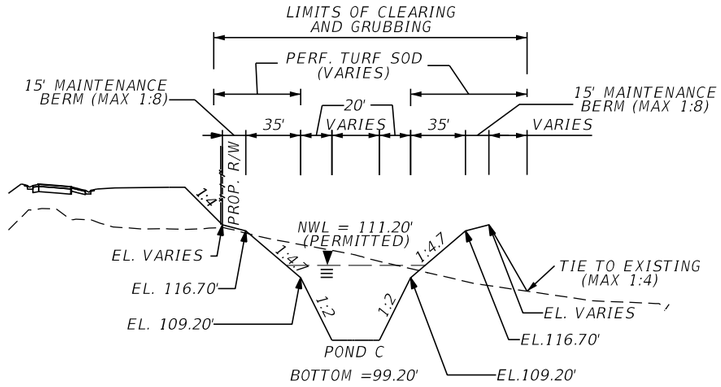
SHEET NO.
340

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

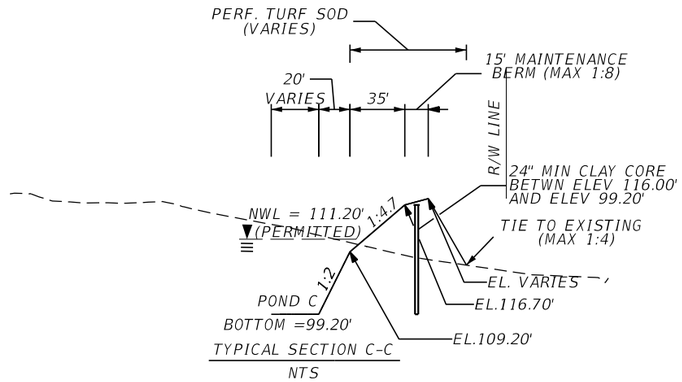
robert.martini 8/22/2019 11:22:52 AM c:\pwworking\aecom_na\rmartini\d0164799\DRDTRD01_PONDC_A.DGN



TYPICAL SECTION A-A
NTS



TYPICAL SECTION B-B
NTS



TYPICAL SECTION C-C
NTS

LEGEND

DHW = DESIGN HIGH WATER
NWL = NORMAL WATER LEVEL
⊗ = APPROXIMATE BORING LOCATION

NOTES:

1. MAINTENANCE ACCESS AND MAINTENANCE BERM SHALL BE SOD ON 12" OF TYPE B STABILIZATION.

2. MINIMUM RADIUS AT INSIDE TOP OF BERM IS 30 FEET. CURVES ABOVEAND BELOW THE INSIDE TOP OF BERM ARE CONCENTRIC. MINIMUM RADIUSFOR CURVES BELOW THE INSIDE BERM IS 5 FEET.

3. REFER TO CONTROL STRUCTURE DETAIL SHEET FOR ADDITIONAL CONTROL STRUCTURE AND SKIMMER INFORMATION.

POND C
WET DETENTION POND
NWL = 111.20'
DHW EL =
DHW EL = 115.56' (025Y024HR) - INTERIM DCP
DHW EL = 115.56' (025Y024HR) - I-4 BTU

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

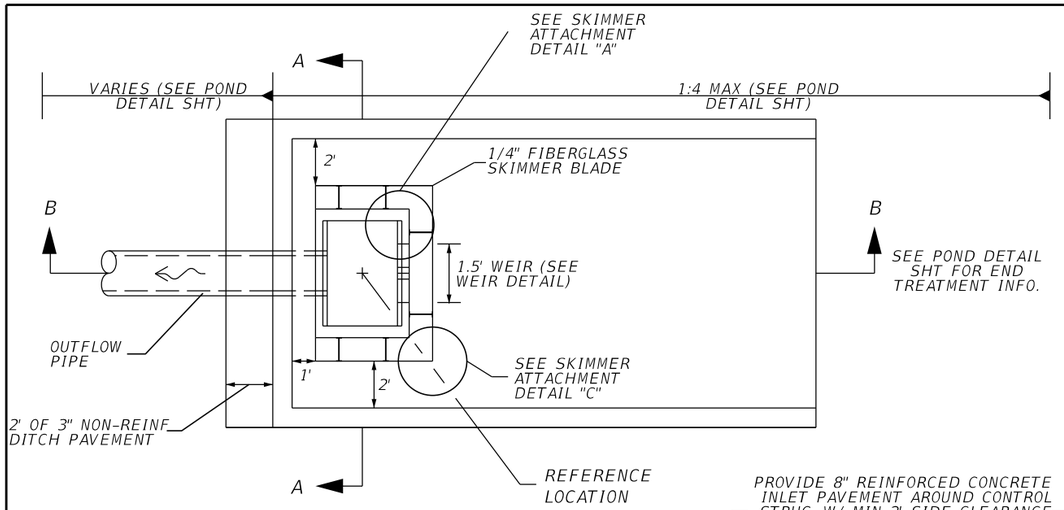
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

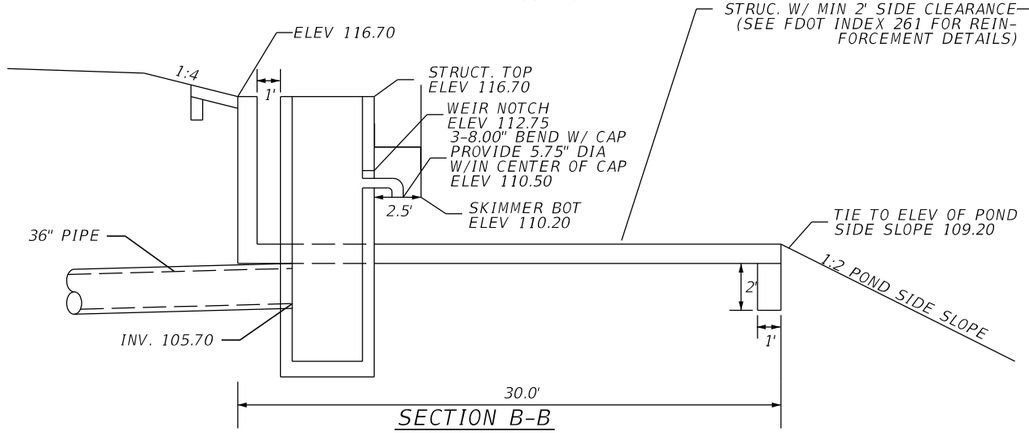
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND TYPICAL SECTIONS
POND C

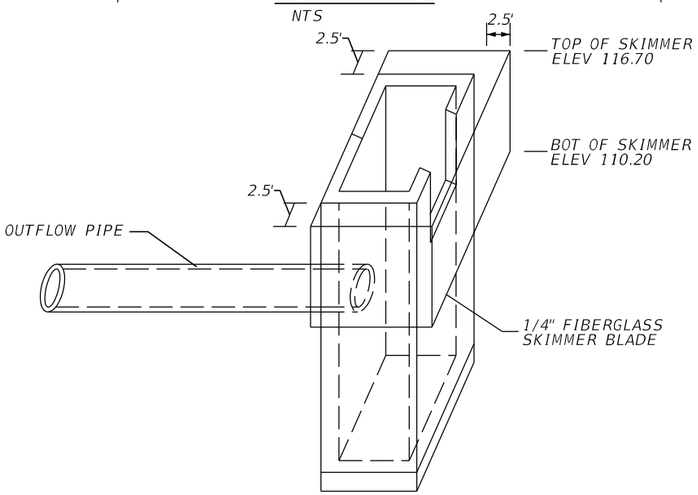
SHEET NO. 341

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

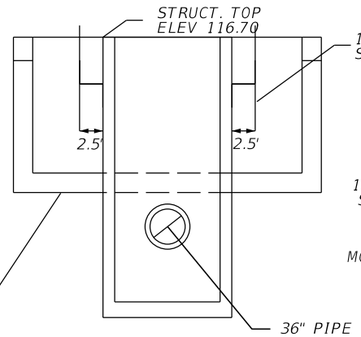




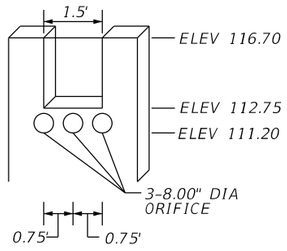
SECTION B-B
NTS



SKIMMER DETAIL
NTS

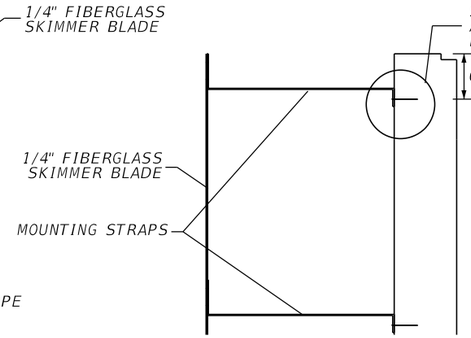


SECTION A-A
NTS

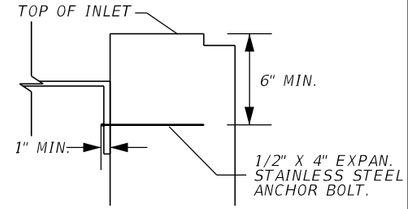


WEIR DETAIL
NTS

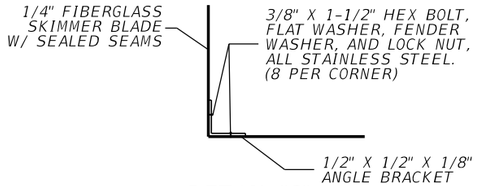
SKIMMER ATTACHMENT DETAILS



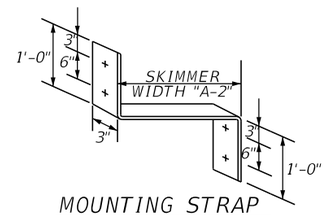
DETAIL "A"
NTS



DETAIL "B"
NTS



DETAIL "C"
NTS



MOUNTING STRAP
NTS

NOTE:
1. CONTRACTOR SHALL CUT A STAINLESS STEEL PLATE TO DIMENSION AS SHOWN ON TABLE. USE 1/2" X 4" EXPAN. STAINLESS STEEL ANCHOR BOLT.

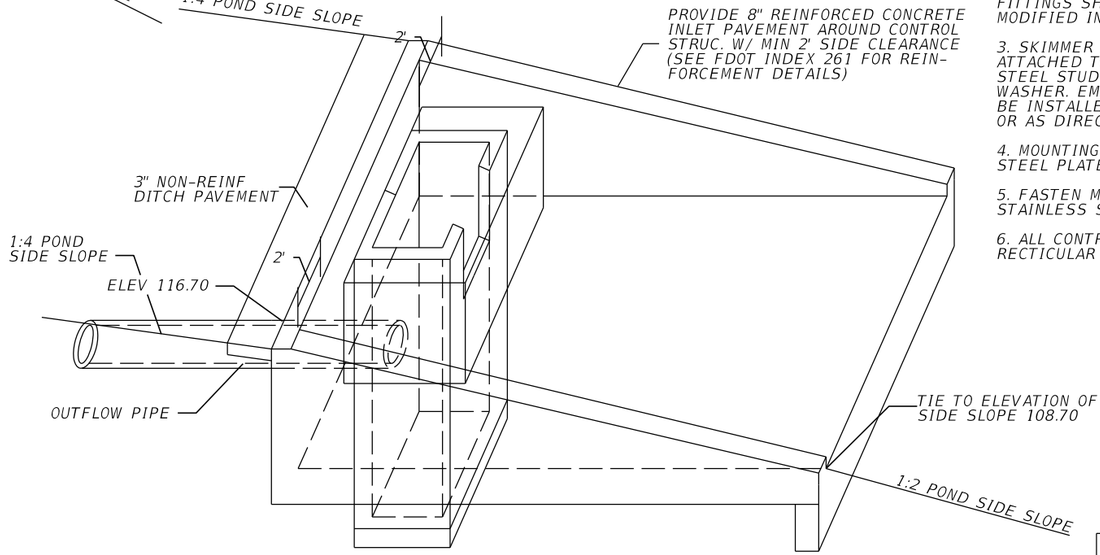
2. THE COST OF THE FIBERGLASS SKIMMERS WITH ASSOCIATED HARDWARE, CLASS I MISC. CONCRETE, AND FITTINGS SHALL BE INCLUDED IN THE COST OF THE MODIFIED INLETS.

3. SKIMMER ATTACHMENT NOTE: SKIMMER TO BE ATTACHED TO BACK OF STRUCTURE USING 3/8" STAINLESS STEEL STUD TYPE EXPANSION ANCHOR WITH NUT AND WASHER. EMBEDDED DEPTH TO BE 2-1/2". ANCHORS TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS OR AS DIRECTED BY THE ENGINEER.

4. MOUNTING STRAPS SHALL BE 1/4" THICK BENT STAINLESS STEEL PLATES WITH DRILLED HOLES.

5. FASTEN MOUNTING STRAP IN WITH 1/2" X 4" EXPAN. STAINLESS STEEL ANCHOR BOLT.

6. ALL CONTROL STRUCTURES SHALL HAVE STEEL RECTICULAR GRATES.



CONCRETE INLET PAVEMENT DETAIL
NTS

CONTROL STRUCTURE CSPNDMODC
CONST MODIFIED TYPE E DBI
@ RAMP IC DCP, STA 616+17.51, 178.97' RT
SEE STRUCTURE, WEIR, SKIMMER, DITCH PAVEMENT DETAILS

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

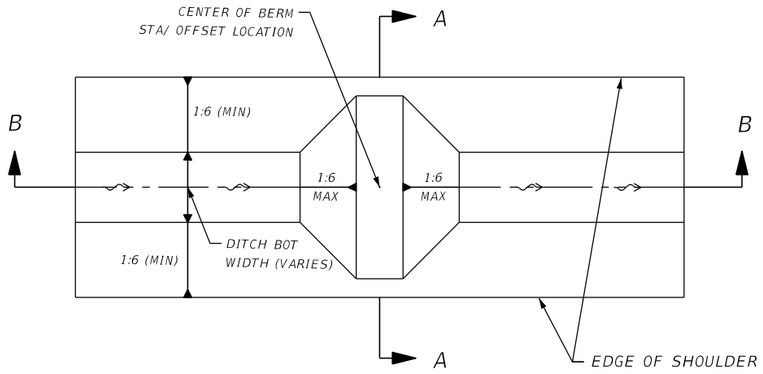
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

CONTROL STRUCTURE DETAIL POND C

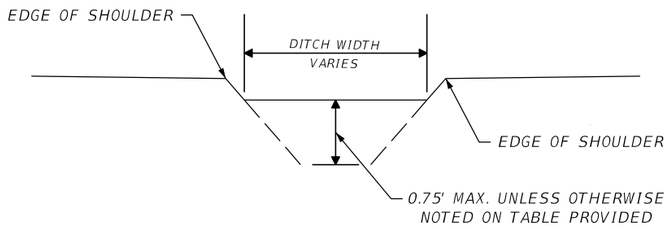
SHEET NO. 342

REFERENCE POINT	℄ CONST SR 400	OFFSET (FT)	SIDE	DEPTH
1	571+86.00 R4	2.04	RT	---
2	575+01.23 R4	0.00	RT	---
3	582+13.00 R4	0.49	RT	---
4	629+67.53 R4	0.00	RT	---
5	632+65.81 R4	0.00	RT	---
	℄ IC-DCP			
6	607+54.66	54.52	RT	1'
7	608+81.27	83.65	RT	1'



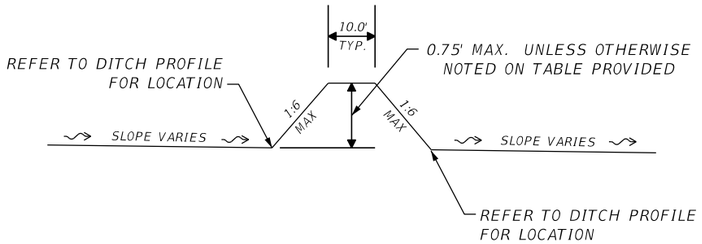
TYPICAL DITCH BLOCK DETAIL

NTS



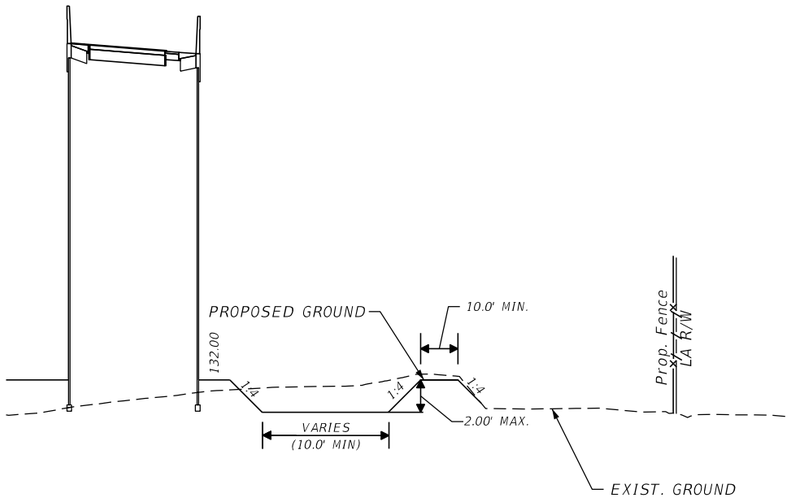
SECTION A-A DITCH BLOCK DETAIL

NTS



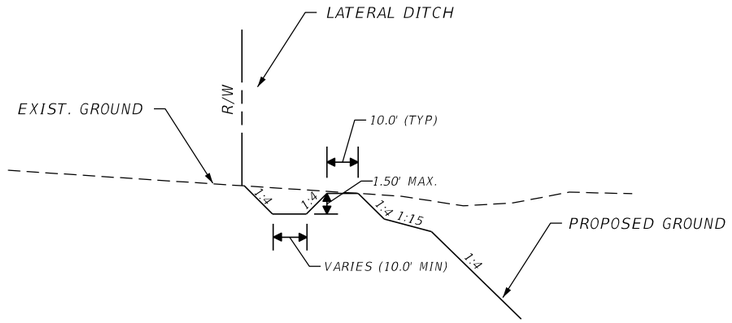
SECTION B-B DITCH BLOCK DETAIL

NTS



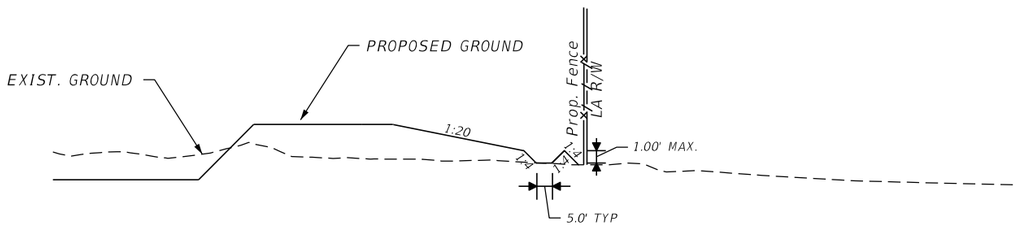
TYPICAL DITCH DETAIL SECTION B-B

NTS



TYPICAL DITCH DETAIL SECTION A-A

NTS



TYPICAL DITCH DETAIL SECTION C-C

NTS

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

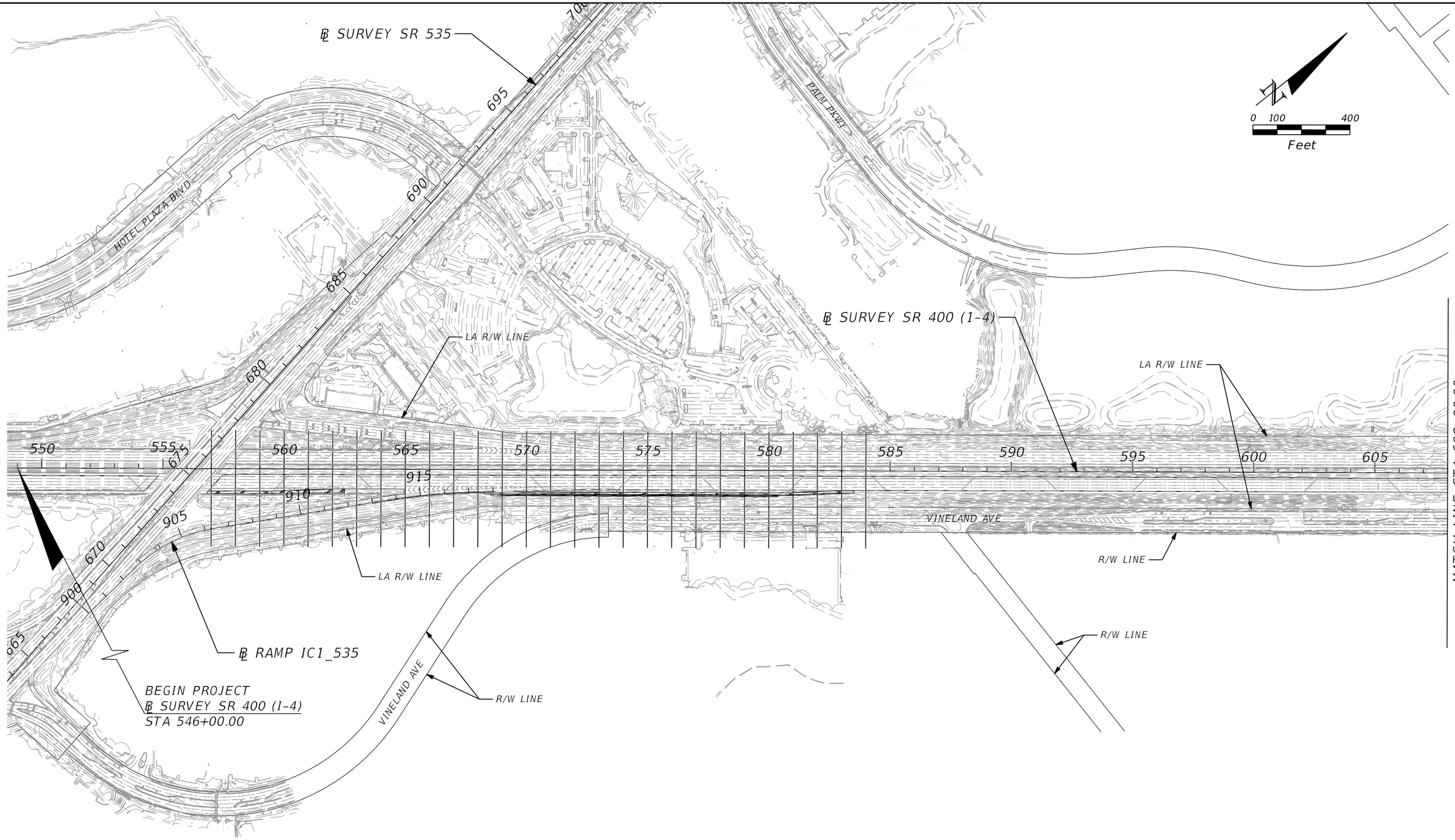
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

MISCELLANEOUS DRAINAGE DETAIL SHEET

SHEET NO. 343



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
400	ORANGE	441113-1-52-01

CROSS SECTION PATTERN (1)

SHEET NO. 344

robert.martini 8/22/2019 11:23:11 AM c:\pwworking\aecom_na\r.martini\d0166331\PLAYRDXS01.dgn

0 100 400
Feet

℄ CONST IWBCD2
℄ DARYL CARTER PKWY
℄ RAMP D_DCP
℄ CONST EBDCP
℄ RAMP ISLIP1
MATCHLINE
POND 141B1
℄ POND141
R/W LINE
POND 141B2
PALM PKWY
POND 140B3
POND 140B2
℄ SURVEY SR 400 (1-4)
LA R/W LINE
POND 140B1
MATCHLINE
LA R/W LINE
MATCH LINE STA 608+00.00
MATCH LINE STA 667+50.00
R/W LINE
LA R/W LINE
R/W LINE
MATCHLINE
℄ RAMP IB_DCP
℄ CONST WBDCP
REGENCY VILLAGE DR.
MATCHLINE
POND C
MATCHLINE
TEMP EASEMENT
℄ RAMP IC_DCP
TEMP EASEMENT
EXISTING POND C

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

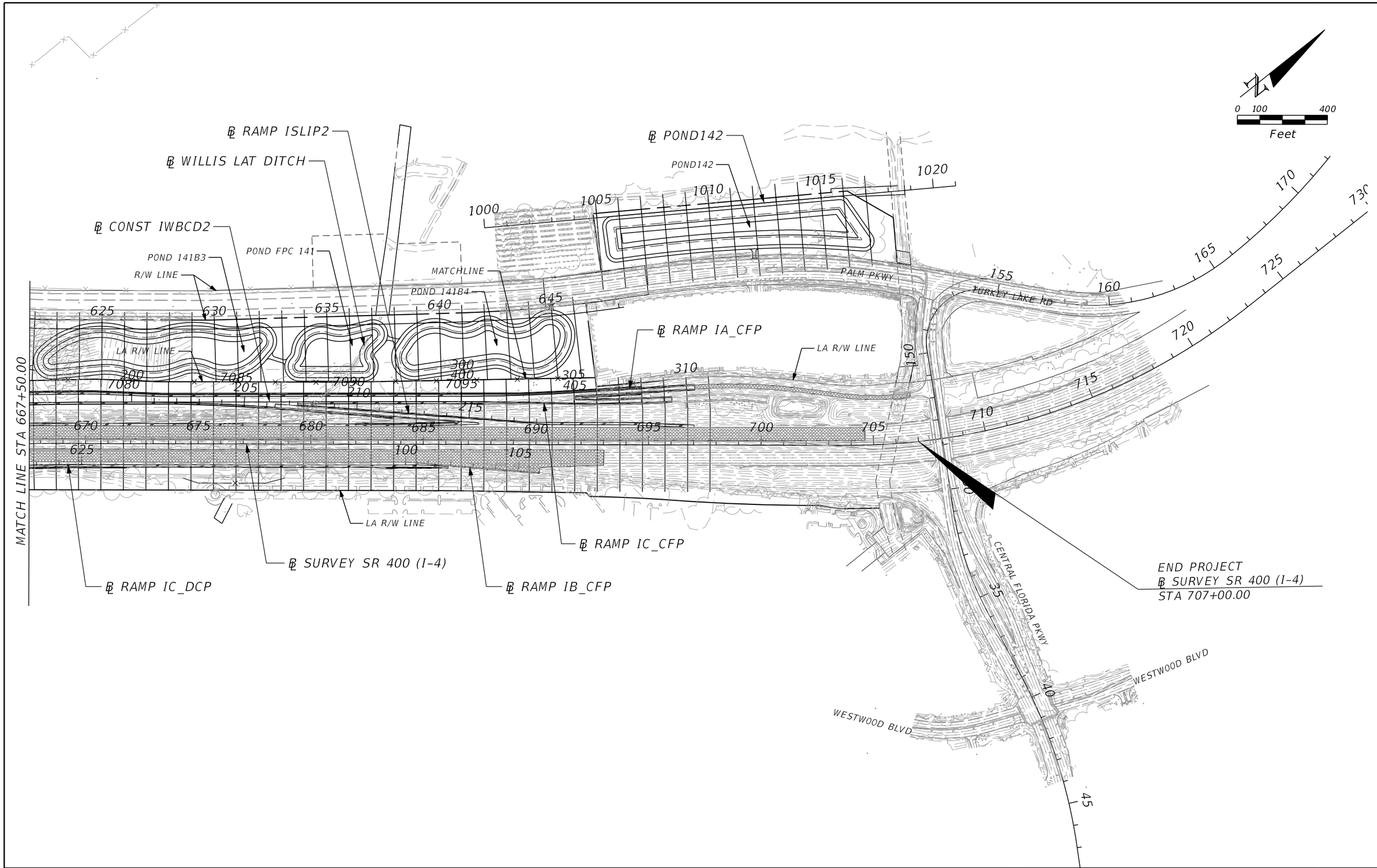
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
400	ORANGE	441113-1-52-01

CROSS SECTION PATTERN (2)

SHEET NO. 345

robert.martini 8/22/2019 11:23:13 AM c:\pwworking\aecom_na\rmartini\d0166331\PLAYRDXS02.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
400	ORANGE	441113-1-52-01

CROSS SECTION PATTERN (3)

SHEET NO. 346

robert.martini 8/22/2019 11:23:15 AM c:\pwworking\aecom_na\rmartini\d0166331\PLAYRDXS03.dgn

FIGURE 4

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
MATERIALS AND RESEARCH

FINANCIAL PROJECT ID: 441113-1-52-01
PROJECT NAME: SR 400 (I-4) AT DARYL CARTER PARKWAY
CROSS SECTION OF SOIL SURVEY

DATE OF SURVEY: 07/17 TO 11/17
SURVEY MADE BY: ROSE, TATE, BRACKINS, TILLER
SUBMITTED BY: ZAN C. BATES, P.E.

DISTRICT: FIVE
ROAD NO.: SR 400
COUNTY: ORANGE

SURVEY BEGINS STA. : 547+01.61 SURVEY ENDS STA. : 707+00.01

	ORGANIC CONTENT		MOISTURE CONTENT		SIEVE ANALYSIS RESULTS PERCENTAGE PASSING						ATTERBERG LIMITS (%)			SOIL CLASSIFICATION		CORROSION TEST RESULTS				
STRATUM NO.	NO. OF TESTS	% ORGANIC	NO. OF TESTS	% MOISTURE	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTICITY INDEX	AASHTO GROUP	DESCRIPTION	NO. OF TESTS	RESISTIVITY ohms cm	CHLORIDE ppm	SULFATES ppm	pH
1	3	1–4	3	18–43	9 (20)	76–100	68–94	43–58	8–21	2–9 (1–10)	--	--	--	A–3	LIGHT BROWN TO DARK BROWN, ORANGE BROWN OR LIGHT GRAY TO GRAY FINE SAND TO FINE SAND WITH SILT, OCCASIONAL LIMEROCK GRAVEL AND ORGANIC MATERIAL	8	6,720–21,925	BDL–15	BDL–<2.4	5.8–8.4
2	--	--	--	--	1	100	95	62	24	19	--	--	--	A–3 A–2–4	LIGHT BROWN TO DARK BROWN, GRAY BROWN, OR LIGHT GRAY TO DARK GRAY FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL LIMEROCK GRAVEL AND ORGANIC MATERIAL	1	4,300	15	90	7.4
3	--	--	2	15–18	1 (1)	100	94	73	46	31 (35)	2	19–24	6–8	A–3 A–2–4	LIGHT BROWN TO BROWN OR ORANGE BROWN FINE SAND WITH CLAY TO CLAYEY FINE SAND OR SILTY CLAYEY FINE SAND	0	--	--	--	--
4	--	--	1	13	1	100	90	62	41	35	1	29	15	A–2–6 A–6	LIGHT BROWN CLAYEY FINE SAND TO SANDY CLAY, OCCASIONAL ORGANIC MATERIAL	0	--	--	--	--
5	--	--	--	--	--	--	--	--	--	--	--	--	--	A–2–7 A–7–5 A–7–6	LIGHT BROWN TO BROWN OR LIGHT GRAY SANDY CLAY TO CLAY, OCCASIONAL ORGANIC MATERIAL	0	--	--	--	--
6	3	6–10	3	37–60	3	96–97	84–90	60–66	21–37	3–20	--	--	--	A–8	DARK BROWN TO VERY DARK BROWN MUCKY FINE SAND TO ORGANIC MUCK, OCCASIONAL WOOD FRAGMENTS	0	--	--	--	--
7	1	5	1	23	(1)	--	--	--	--	(6)	--	--	--	A–3 A–2–4	DARK REDDISH BROWN OR DARK BROWN SLIGHTLY CEMENTED TO CEMENTED FINE SAND WITH SILT TO SILTY FINE SAND INCLUDING HARDPAN–TYPE, WITH OCCASIONAL ORGANIC MATERIAL	0	--	--	--	--

EMBANKMENT AND SUBGRADE MATERIAL

STRATA BOUNDARIES ARE APPROXIMATE, MAKE FINAL CHECK AFTER GRADING

1. SOIL BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY. ANY SUBSOIL CONNECTING LINES SHOWN ARE FOR ESTIMATING EARTHWORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED AS INDICATED IN SECTION 2–4 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. FOR FURTHER DETAILS SEE SECTION 120–3.
2. WATER TABLE SHOWN AS ▼ WHERE ENCOUNTERED AT TIME OF SURVEY. ESTIMATED SEASONAL HIGH GROUNDWATER LEVELS SHOWN AS ▽ . ESTIMATED SEASONAL HIGH GROUNDWATER LEVEL AT OR ABOVE GROUND SURFACE SHOWN AS "AOGS".
3. REMOVAL OF MUCK AND PLASTIC MATERIAL OCCURRING WITHIN THE ROADWAY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH INDEX NO. 500, UNLESS OTHERWISE SHOWN ON THE PLANS. THE MATERIAL USED IN EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS INDICES 120–001 AND 120–002.
4. SOIL PARAMETER NOT TESTED DENOTED AS "--" ABOVE.
5. STRATA NOS. 1, 2, 3 AND 7 SHALL BE TREATED AS SELECT (S) MATERIAL IN ACCORDANCE WITH FDOT STANDARD PLANS INDICES 120–001 AND 120–002.
6. STRATA 2, 3 AND 7 MAY RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT.
7. STRATUM 4 SHALL BE TREATED AS PLASTIC (P) MATERIAL IN ACCORDANCE WITH FDOT STANDARD PLANS INDICES 120–001 AND 120–002.
8. STRATUM 5 SHALL BE TREATED AS HIGH PLASTIC (H) MATERIAL IN ACCORDANCE WITH FDOT STANDARD PLANS INDICES 120–001 AND 120–002.
9. STRATUM 6 SHALL BE TREATED AS MUCK (M) IN ACCORDANCE WITH FDOT STANDARD PLANS INDICES 120–001 AND 120–002.
10. 'NP' DENOTES NON–PLASTIC. () DENOTES PERCENT FINE TESTS ONLY.
11. LAYERS OF VERY HARD MATERIALS SUCH AS HARDPAN–TYPE SOILS MAY BE ENCOUNTERED IN VARIOUS AREAS OF THE PROJECT. SUCH MATERIALS WILL BE DIFFICULT TO EXCAVATE OR PENETRATE. THE CONTRACTOR SHALL EXPECT TO ENCOUNTER THESE VERY HARD MATERIALS IN ALL EXCAVATIONS AND SHALL USE SPECIALIZED EQUIPMENT AND/OR PROCEDURES AS NECESSARY TO FACILITATE PENETRATION.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Ardaman & Associates, Inc.
8008 S. Orange Avenue
Orlando, Fl. 32809
E.O.R.-Zan C. Bates, P.E. NO. 49917
Certificate of Authorization: 5950

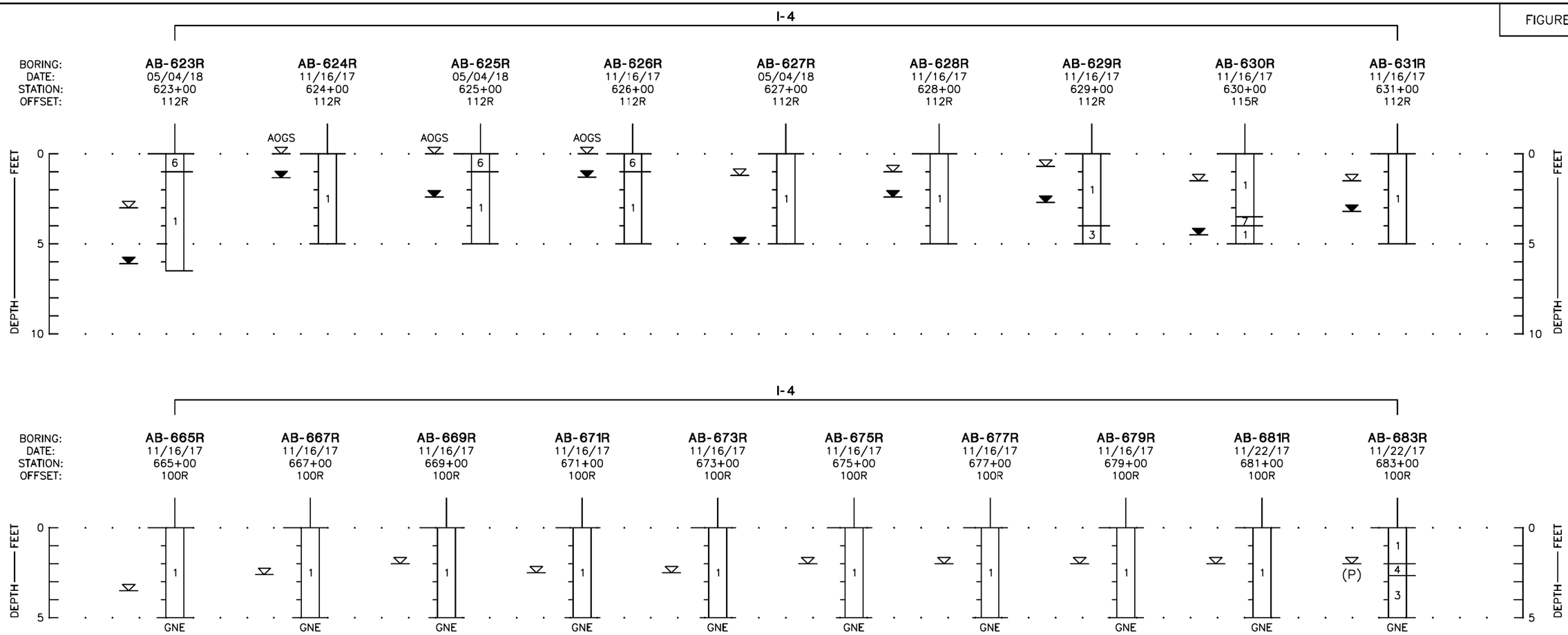
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

ROADWAY SOIL SURVEY (1)

SHEET NO. 347

FIGURE 5



STRATUM NO.	AASHTO GROUP	GENERAL DESCRIPTION
1	A-3	FINE SAND TO FINE SAND WITH SILT, OCCASIONAL LIMEROCK GRAVEL AND ORGANIC MATERIAL
2	A-3 A-2-4	FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL LIMEROCK GRAVEL AND ORGANIC MATERIAL
3	A-3 A-2-4	FINE SAND WITH CLAY TO CLAYEY FINE SAND OR SILTY CLAYEY FINE SAND
4	A-2-6 A-6	CLAYEY FINE SAND TO SANDY CLAY, OCCASIONAL ORGANIC MATERIAL
5	A-2-7 A-7-5 A-7-6	SANDY CLAY TO CLAY, OCCASIONAL ORGANIC MATERIAL
6	A-8	MUCKY FINE SAND TO ORGANIC MUCK, OCCASIONAL WOOD FRAGMENTS
7	A-3 A-2-4	SLIGHTLY CEMENTED TO CEMENTED FINE SAND WITH SILT TO SILTY FINE SAND INCLUDING HARDPAN-TYPE, WITH OCCASIONAL TRACE ORGANIC MATERIAL

LEGEND

- ▼ GROUNDWATER LEVEL MEASURED ON DATE DRILLED (FEET)
- ▽ ESTIMATED NORMAL SEASONAL HIGH GROUNDWATER TABLE (FEET)
- AOGS AT OR ABOVE GROUND SURFACE
- GNE GROUNDWATER NOT ENCOUNTERED ON DATE DRILLED
- (P) PERCHED CONDITION

BORING STATION AND OFFSET REFERENCED TO I-4 BASELINE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Ardaman & Associates, Inc.
8008 S. Orange Avenue
Orlando, Fl. 32809
E.O.R.-Zan C. Bates, P.E. NO. 49917
Certificate of Authorization: 5950

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

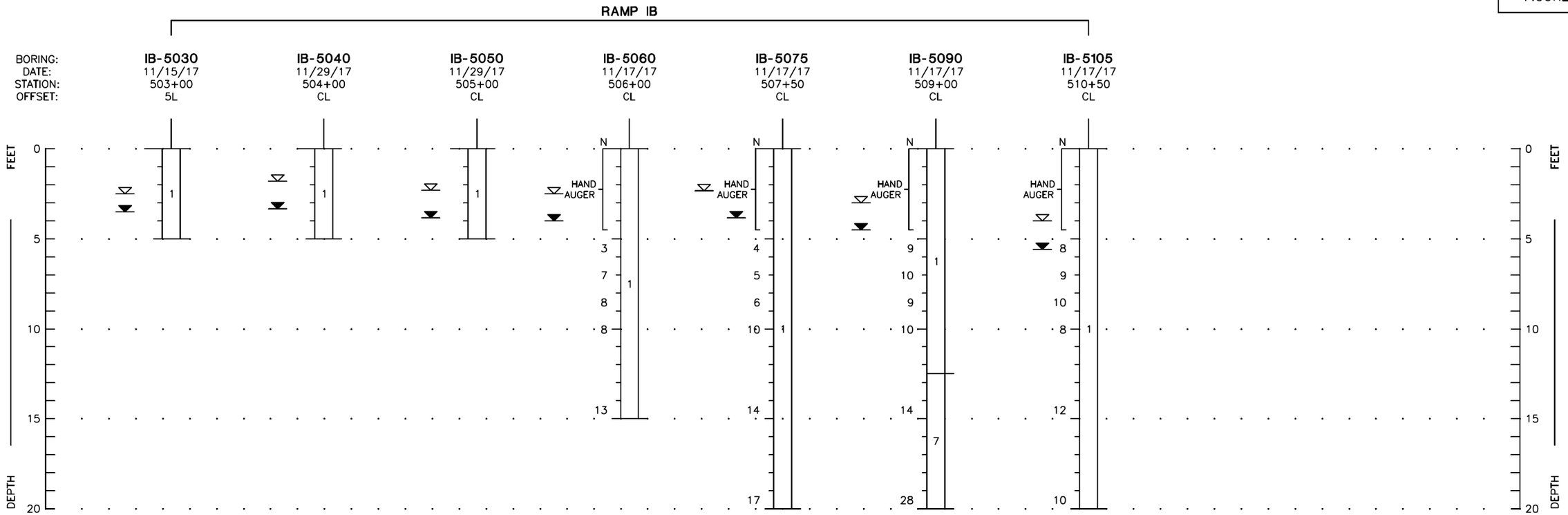
ROADWAY SOIL SURVEY (2)

SHEET NO. 348

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:00:40 PM c:\pwworking\aecom_na\rmartini\d0164805\RDSSGE003_Road.DGN

FIGURE 6



STRATUM NO.	AASHTO GROUP	GENERAL DESCRIPTION
1	A–3	FINE SAND TO FINE SAND WITH SILT, OCCASIONAL LIMEROCK GRAVEL AND ORGANIC MATERIAL
2	A–3 A–2–4	FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL LIMEROCK GRAVEL AND ORGANIC MATERIAL
3	A–3 A–2–4	FINE SAND WITH CLAY TO CLAYEY FINE SAND OR SILTY CLAYEY FINE SAND
4	A–2–6 A–6	CLAYEY FINE SAND TO SANDY CLAY, OCCASIONAL ORGANIC MATERIAL
5	A–2–7 A–7–5 A–7–6	SANDY CLAY TO CLAY, OCCASIONAL ORGANIC MATERIAL
6	A–8	MUCKY FINE SAND TO ORGANIC MUCK, OCCASIONAL WOOD FRAGMENTS
7	A–3 A–2–4	SLIGHTLY CEMENTED TO CEMENTED FINE SAND WITH SILT TO SILTY FINE SAND INCLUDING HARDPAN–TYPE, WITH OCCASIONAL TRACE ORGANIC MATERIAL

LEGEND

- ▼ GROUNDWATER LEVEL MEASURED ON DATE DRILLED (FEET)
- ▽ ESTIMATED NORMAL SEASONAL HIGH GROUNDWATER TABLE (FEET)
- N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT
- BORING STATION AND OFFSET REFERENCED TO BASELINE RAMP IB_DCP

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Ardaman & Associates, Inc.
8008 S. Orange Avenue
Orlando, Fl. 32809
E.O.R.-Zan C. Bates, P.E. NO. 49917
Certificate of Authorization: 5950

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

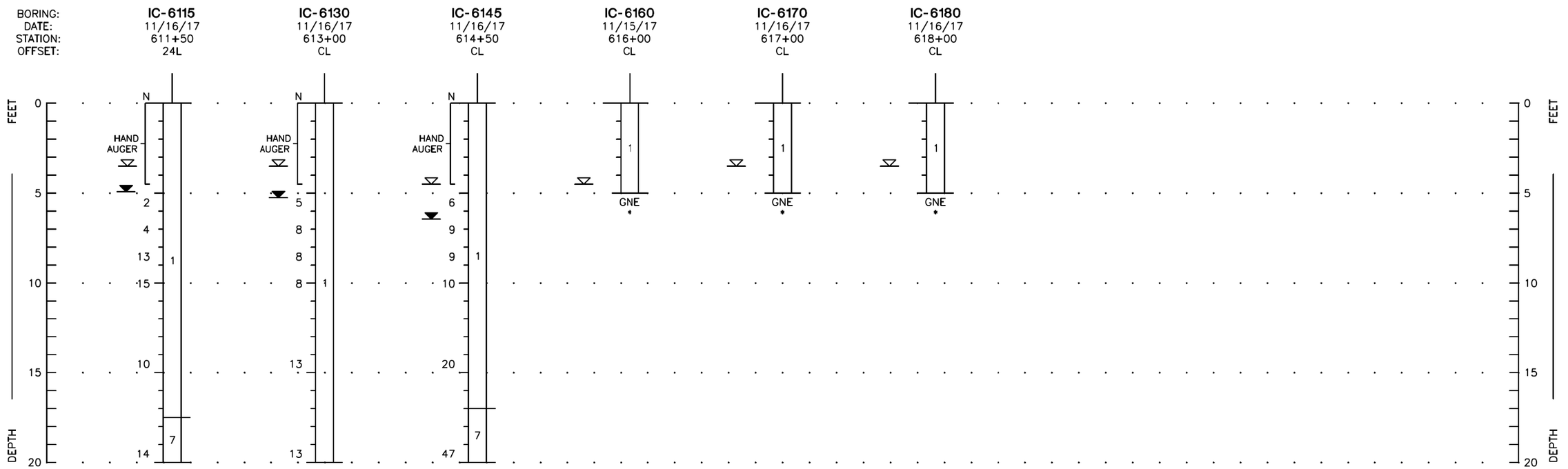
ROADWAY SOIL SURVEY (3)

SHEET NO. 349

robert.martini 8/22/2019 1:00:54 PM c:\pwworking\aecom_na\rmartini\d0164805\RDSSGE003_Road.DGN

FIGURE 7

RAMP IC



STRATUM NO.	AASHTO GROUP	GENERAL DESCRIPTION
1	A–3	FINE SAND TO FINE SAND WITH SILT, OCCASIONAL LIMEROCK GRAVEL AND ORGANIC MATERIAL
2	A–3 A–2–4	FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL LIMEROCK GRAVEL AND ORGANIC MATERIAL
3	A–3 A–2–4	FINE SAND WITH CLAY TO CLAYEY FINE SAND OR SILTY CLAYEY FINE SAND
4	A–2–6 A–6	CLAYEY FINE SAND TO SANDY CLAY, OCCASIONAL ORGANIC MATERIAL
5	A–2–7 A–7–5 A–7–6	SANDY CLAY TO CLAY, OCCASIONAL ORGANIC MATERIAL
6	A–8	MUCKY FINE SAND TO ORGANIC MUCK, OCCASIONAL WOOD FRAGMENTS
7	A–3 A–2–4	SLIGHTLY CEMENTED TO CEMENTED FINE SAND WITH SILT TO SILTY FINE SAND INCLUDING HARDPAN–TYPE, WITH OCCASIONAL TRACE ORGANIC MATERIAL

LEGEND

- ▼ GROUNDWATER LEVEL MEASURED ON DATE DRILLED (FEET)
- ▽ ESTIMATED NORMAL SEASONAL HIGH GROUNDWATER TABLE (FEET)
- GNE GROUNDWATER NOT ENCOUNTERED ON DATE DRILLED
- N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT
- * ESTIMATED NORMAL SEASONAL HIGH GROUNDWATER LEVER BELOW BOTTOM OF BORING

BORING STATION AND OFFSET REFERENCED TO BASELINE RAMP IC_DCP

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Ardaman & Associates, Inc.
8008 S. Orange Avenue
Orlando, Fl. 32809
E.O.R.-Zan C. Bates, P.E. NO. 49917
Certificate of Authorization: 5950

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

ROADWAY SOIL SURVEY (4)

SHEET NO. 350

robert.martini 8/22/2019 1:01:06 PM c:\pwworking\aecom_na\rmartini\d0164805\RDSSGE003_Road.DGN

FIGURE 8

STRATUM NO.	AASHTO GROUP	GENERAL DESCRIPTION
1	A–3	FINE SAND TO FINE SAND WITH SILT, OCCASIONAL LIMEROCK GRAVEL AND ORGANIC MATERIAL
2	A–3 A–2–4	FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL LIMEROCK GRAVEL AND ORGANIC MATERIAL
3	A–3 A–2–4	FINE SAND WITH CLAY TO CLAYEY FINE SAND OR SILTY CLAYEY FINE SAND
4	A–2–6 A–6	CLAYEY FINE SAND TO SANDY CLAY, OCCASIONAL ORGANIC MATERIAL
5	A–2–7 A–7–5 A–7–6	SANDY CLAY TO CLAY, OCCASIONAL ORGANIC MATERIAL
6	A–8	MUCKY FINE SAND TO ORGANIC MUCK, OCCASIONAL WOOD FRAGMENTS
7	A–3 A–2–4	SLIGHTLY CEMENTED TO CEMENTED FINE SAND WITH SILT TO SILTY FINE SAND INCLUDING HARDPAN–TYPE, WITH OCCASIONAL TRACE ORGANIC MATERIAL

LEGEND

- GROUNDWATER LEVEL MEASURED ON DATE DRILLED (FEET)
- ESTIMATED NORMAL SEASONAL HIGH GROUNDWATER TABLE (FEET)
- N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT
- BORING STATION AND OFFSET REFERENCED TO BASELINE RAMP D_DCP BASELINE

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Ardaman & Associates, Inc.
8008 S. Orange Avenue
Orlando, Fl. 32809
E.O.R.-Zan C. Bates, P.E. NO. 49917
Certificate of Authorization: 5950

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

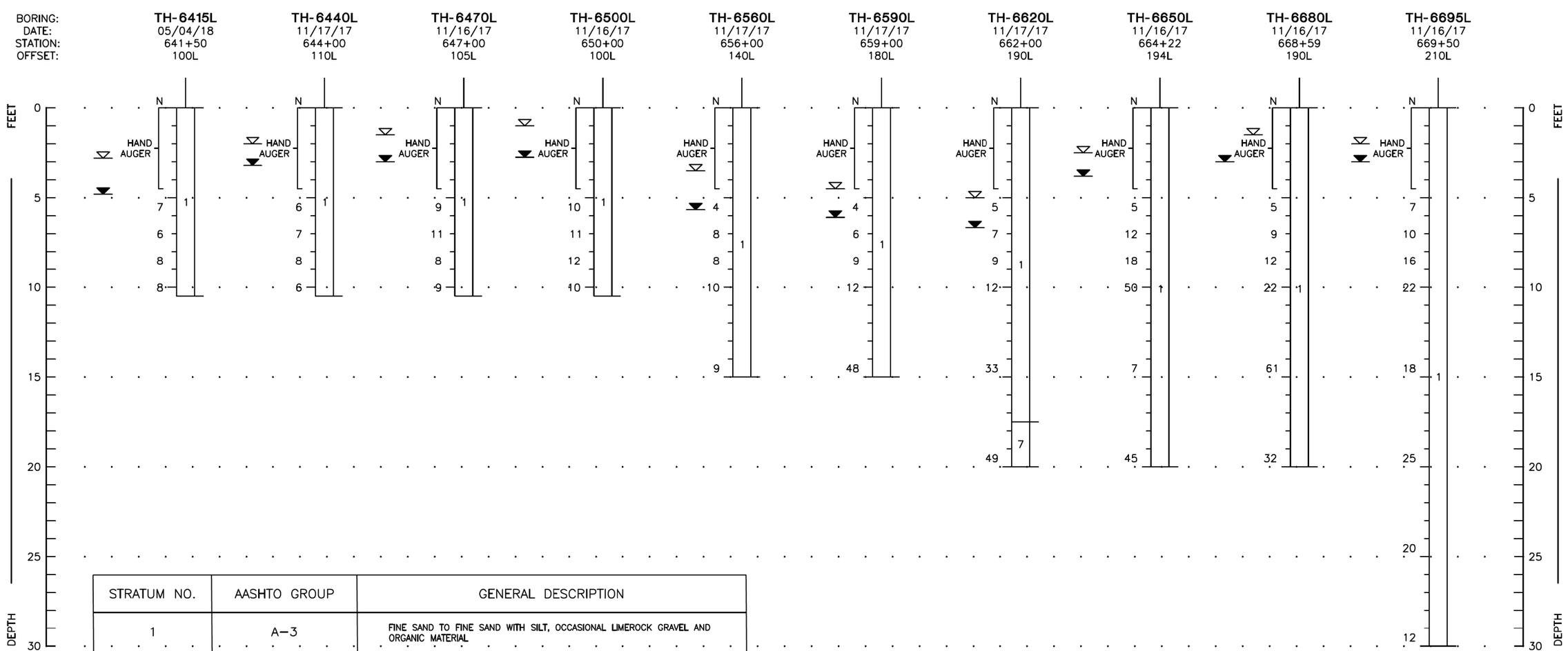
ROADWAY SOIL SURVEY (5)

SHEET NO. 351

robert.martini 8/22/2019 1:01:18 PM c:\pwworking\aecom_na\rmartini\d0164805\RDSSGE003_Road.DGN

FIGURE 9

RAMPS 1WBCD2 AND ISLIP1



STRATUM NO.	AASHTO GROUP	GENERAL DESCRIPTION
1	A–3	FINE SAND TO FINE SAND WITH SILT, OCCASIONAL LIMEROCK GRAVEL AND ORGANIC MATERIAL
2	A–3 A–2–4	FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL LIMEROCK GRAVEL AND ORGANIC MATERIAL
3	A–3 A–2–4	FINE SAND WITH CLAY TO CLAYEY FINE SAND OR SILTY CLAYEY FINE SAND
4	A–2–6 A–6	CLAYEY FINE SAND TO SANDY CLAY, OCCASIONAL ORGANIC MATERIAL
5	A–2–7 A–7–5 A–7–6	SANDY CLAY TO CLAY, OCCASIONAL ORGANIC MATERIAL
6	A–8	MUCKY FINE SAND TO ORGANIC MUCK, OCCASIONAL WOOD FRAGMENTS
7	A–3 A–2–4	SLIGHTLY CEMENTED TO CEMENTED FINE SAND WITH SILT TO SILTY FINE SAND INCLUDING HARDPAN–TYPE, WITH OCCASIONAL TRACE ORGANIC MATERIAL

LEGEND

- ▼ GROUNDWATER LEVEL MEASURED ON DATE DRILLED (FEET)
- ▽ ESTIMATED NORMAL SEASONAL HIGH GROUNDWATER TABLE (FEET)
- N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT
- AOGS AT OR ABOVE GROUND SURFACE
- BORING STATION AND OFFSET REFERENCED TO BASELINE 1–4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Ardaman & Associates, Inc.
8008 S. Orange Avenue
Orlando, Fl. 32809
E.O.R.-Zan C. Bates, P.E. NO. 49917
Certificate of Authorization: 5950

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

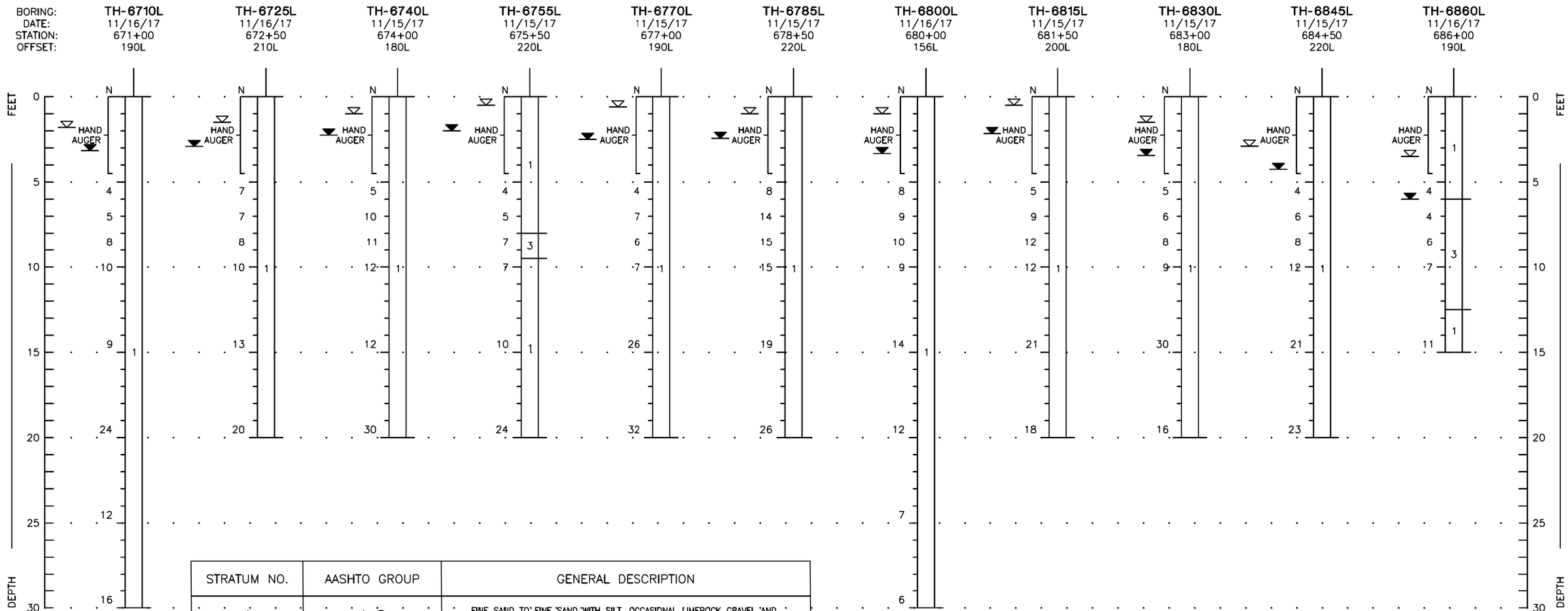
ROADWAY SOIL SURVEY (6)

SHEET NO. 352

robert.martini 8/22/2019 1:01:30 PM c:\pwworking\aecom_na\rmartini\d0164805\RDSSGE003_Road.DGN

FIGURE 10

RAMPS 1WBCD2 AND ISLIP1



STRATUM NO.	AASHTO GROUP	GENERAL DESCRIPTION
1	A–3	FINE SAND TO FINE SAND WITH SILT, OCCASIONAL LIMEROCK GRAVEL AND ORGANIC MATERIAL
2	A–3 A–2–4	FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL LIMEROCK GRAVEL AND ORGANIC MATERIAL
3	A–3 A–2–4	FINE SAND WITH CLAY TO CLAYEY FINE SAND OR SILTY CLAYEY FINE SAND
4	A–2–6 A–6	CLAYEY FINE SAND TO SANDY CLAY, OCCASIONAL ORGANIC MATERIAL
5	A–2–7 A–7–5 A–7–6	SANDY CLAY TO CLAY, OCCASIONAL ORGANIC MATERIAL
6	A–8	MUCKY FINE SAND TO ORGANIC MUCK, OCCASIONAL WOOD FRAGMENTS
7	A–3 A–2–4	SLIGHTLY CEMENTED TO CEMENTED FINE SAND WITH SILT TO SILTY FINE SAND INCLUDING HARDPAN–TYPE, WITH OCCASIONAL TRACE ORGANIC MATERIAL

LEGEND

- ▼ GROUNDWATER LEVEL MEASURED ON DATE DRILLED (FEET)
- ▽ ESTIMATED NORMAL SEASONAL HIGH GROUNDWATER TABLE (FEET)
- N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT
- AOGS AT OR ABOVE GROUND SURFACE
- GNM GROUND WATER NOT MEASURED
- BORING STATION AND OFFSET REFERENCED TO I–4 BASELINE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Ardaman & Associates, Inc.
8008 S. Orange Avenue
Orlando, Fl. 32809
E.O.R.-Zan C. Bates, P.E. NO. 49917
Certificate of Authorization: 5950

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

ROADWAY SOIL SURVEY (7)

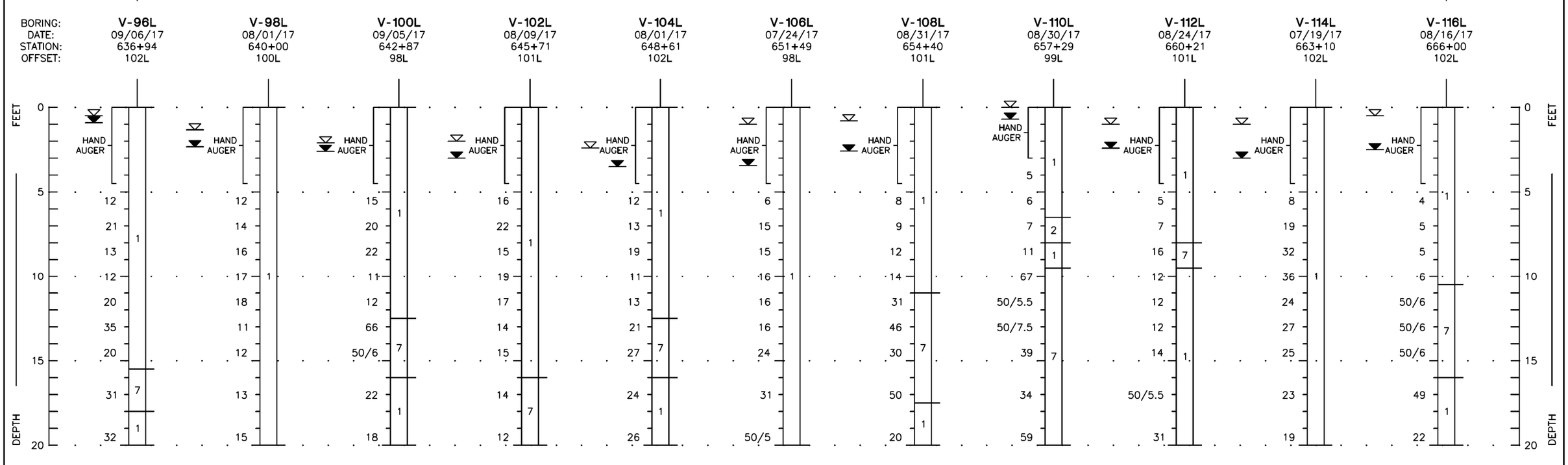
SHEET NO. 353

robert.martini 8/22/2019 1:01:44 PM c:\pwworking\aecom_na\rmartini\d0164805\RDSSGE003_Road.DGN

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

FIGURE 11

EASTBOUND VIADUCT



STRATUM NO.	AASHTO GROUP	GENERAL DESCRIPTION
1	A–3	FINE SAND TO FINE SAND WITH SILT, OCCASIONAL LIMEROCK GRAVEL AND ORGANIC MATERIAL
2	A–3 A–2–4	FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL LIMEROCK GRAVEL AND ORGANIC MATERIAL
3	A–3 A–2–4	FINE SAND WITH CLAY TO CLAYEY FINE SAND OR SILTY CLAYEY FINE SAND
4	A–2–6 A–6	CLAYEY FINE SAND TO SANDY CLAY, OCCASIONAL ORGANIC MATERIAL
5	A–2–7 A–7–5 A–7–6	SANDY CLAY TO CLAY, OCCASIONAL ORGANIC MATERIAL
6	A–8	MUCKY FINE SAND TO ORGANIC MUCK, OCCASIONAL WOOD FRAGMENTS
7	A–3 A–2–4	SLIGHTLY CEMENTED TO CEMENTED FINE SAND WITH SILT TO SILTY FINE SAND INCLUDING HARDPAN–TYPE, WITH OCCASIONAL TRACE ORGANIC MATERIAL

LEGEND

- ▼ GROUNDWATER LEVEL MEASURED ON DATE DRILLED (FEET)
- ▽ ESTIMATED NORMAL SEASONAL HIGH GROUNDWATER TABLE (FEET)
- N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT
- AOGS AT OR ABOVE GROUND SURFACE
- 50/6 50 BLOWS FOR 3–INCHES PENETRATION INTO SOIL
- BORING STATION AND OFFSET REFERENCED TO I–4 BASELINE

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Ardaman & Associates, Inc.
8008 S. Orange Avenue
Orlando, Fl. 32809
E.O.R.-Zan C. Bates, P.E. NO. 49917
Certificate of Authorization: 5950

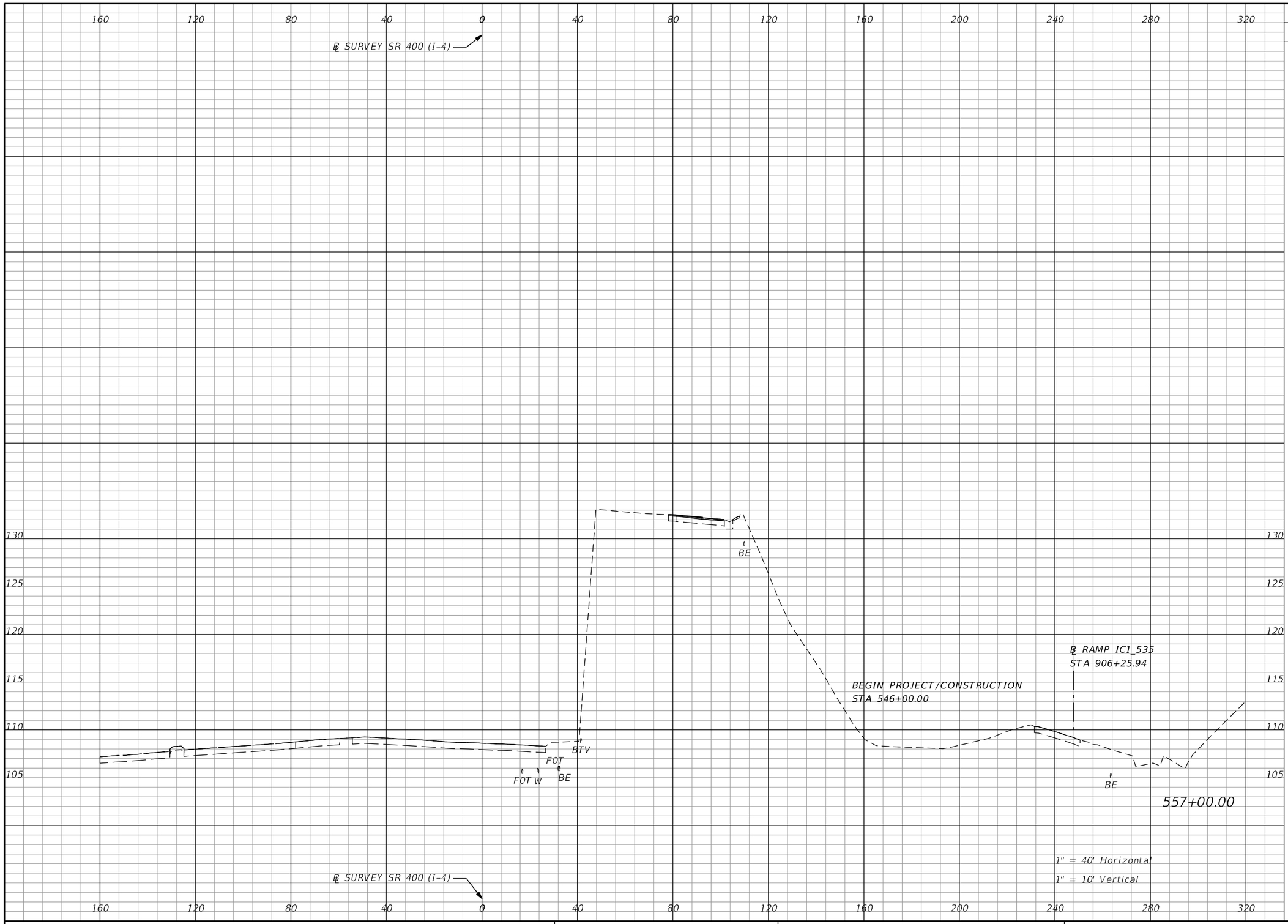
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

ROADWAY SOIL SURVEY (8)

SHEET NO. 354

robert.martini 8/22/2019 1:01:58 PM c:\pwworking\aecom_na\rmartini\d0164805\RDSSGE003_Road.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	0.0	0.0	0.0	0.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

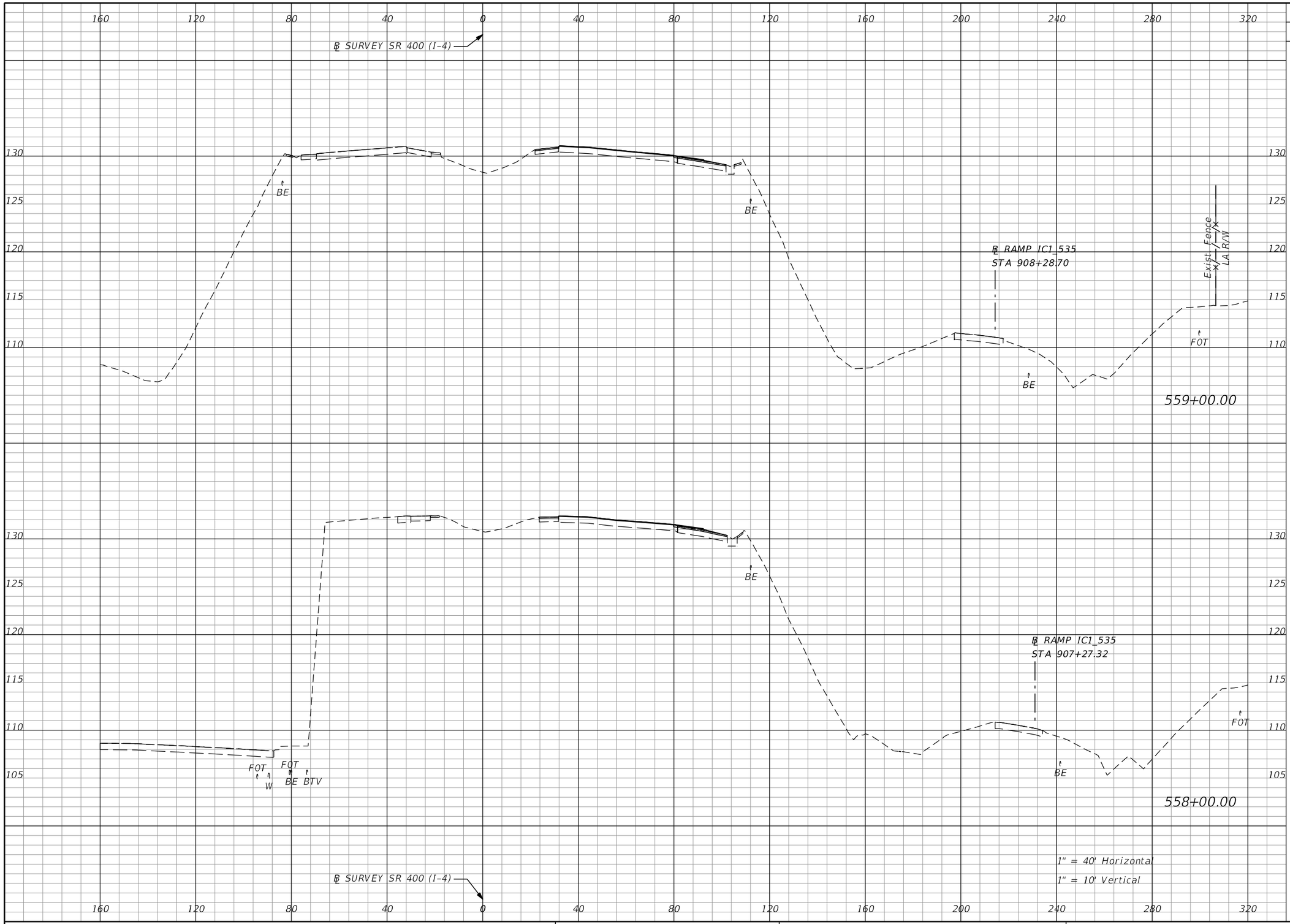
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 355



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

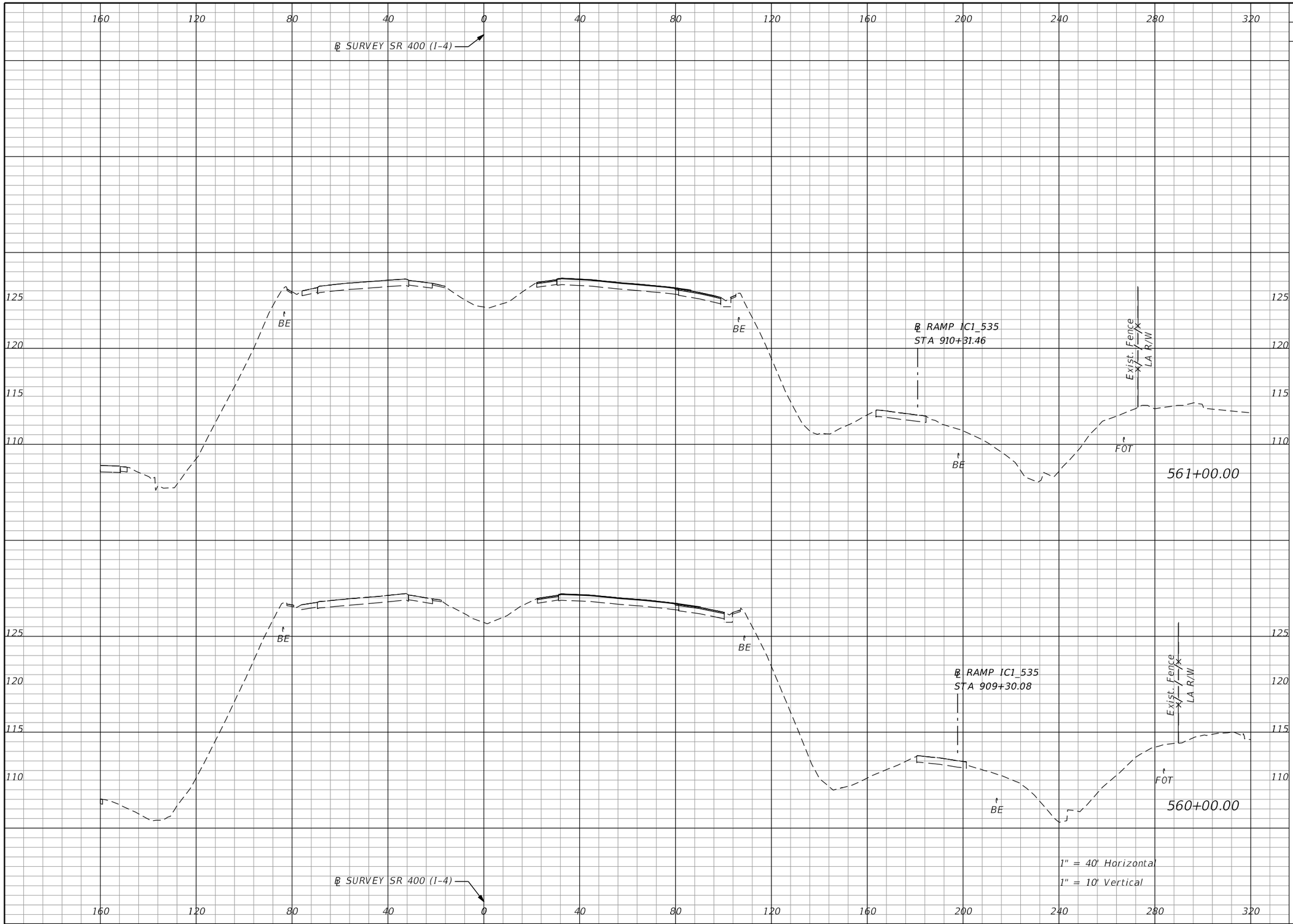
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 356



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		0.0		0.0	
	0.0		0.0		0.0
0.0		0.0		0.0	
	0.0		0.0		0.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

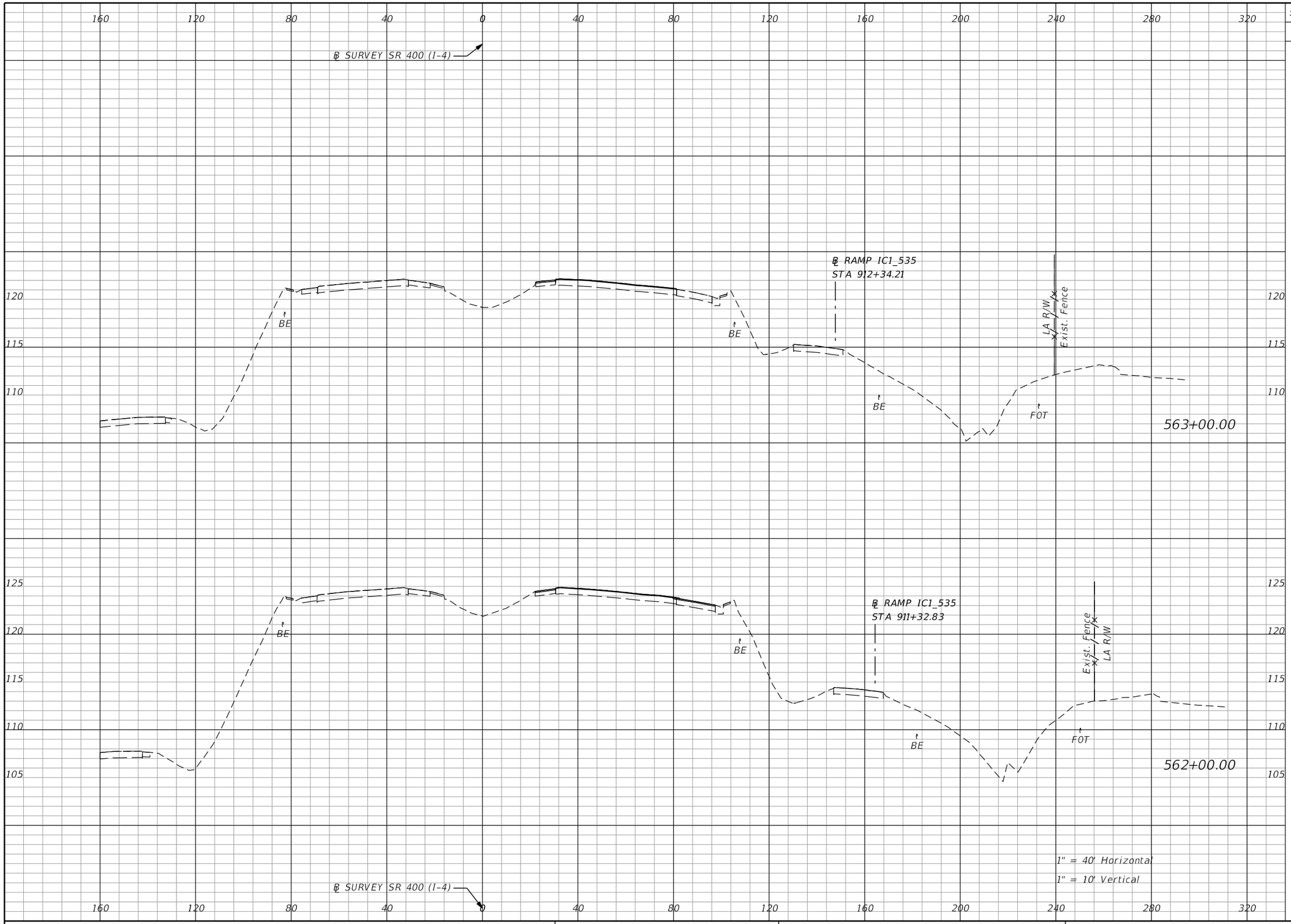
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 357



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	0.0	0.0	0.0	0.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

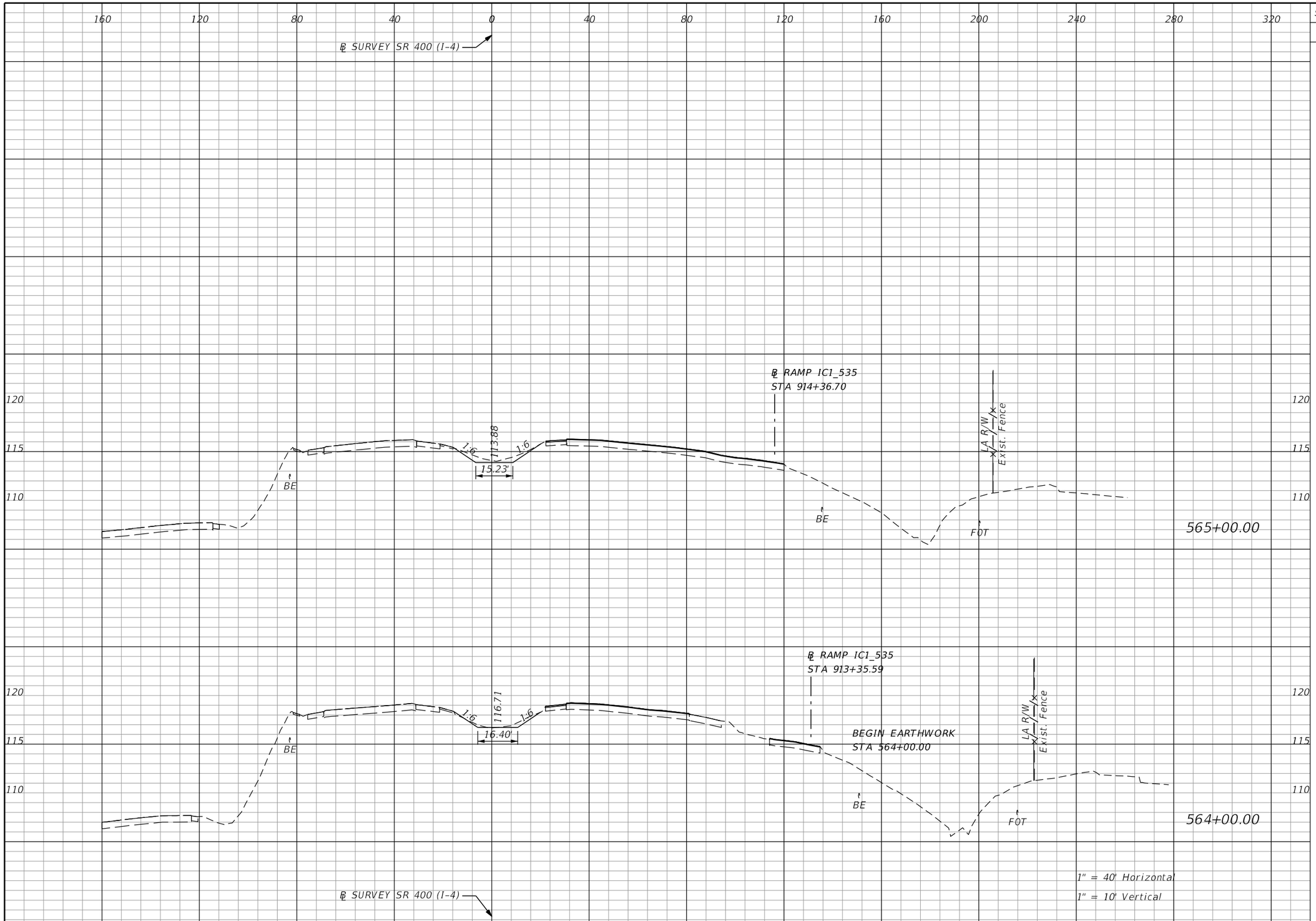
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 358

robert.martini 8/22/2019 1:59:26 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	10.7	29.6	0.0	1.1
0.0	0.0	5.3	9.8	0.6	1.1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

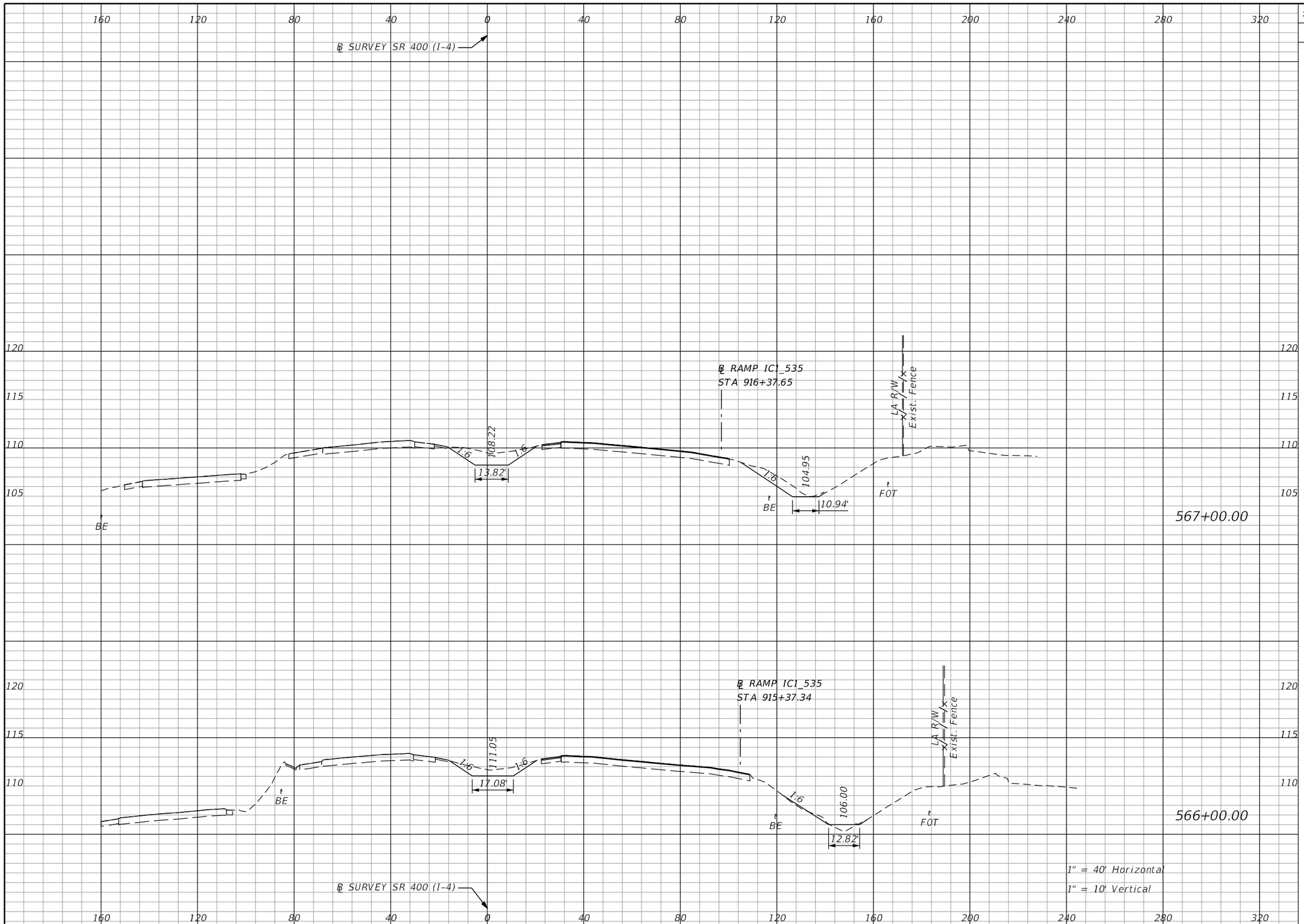
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 359

robert.martini 8/22/2019 1:59:27 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	57.3	149.3	0.0	9.4
0.0	0.0	23.4	63.2	5.1	9.4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

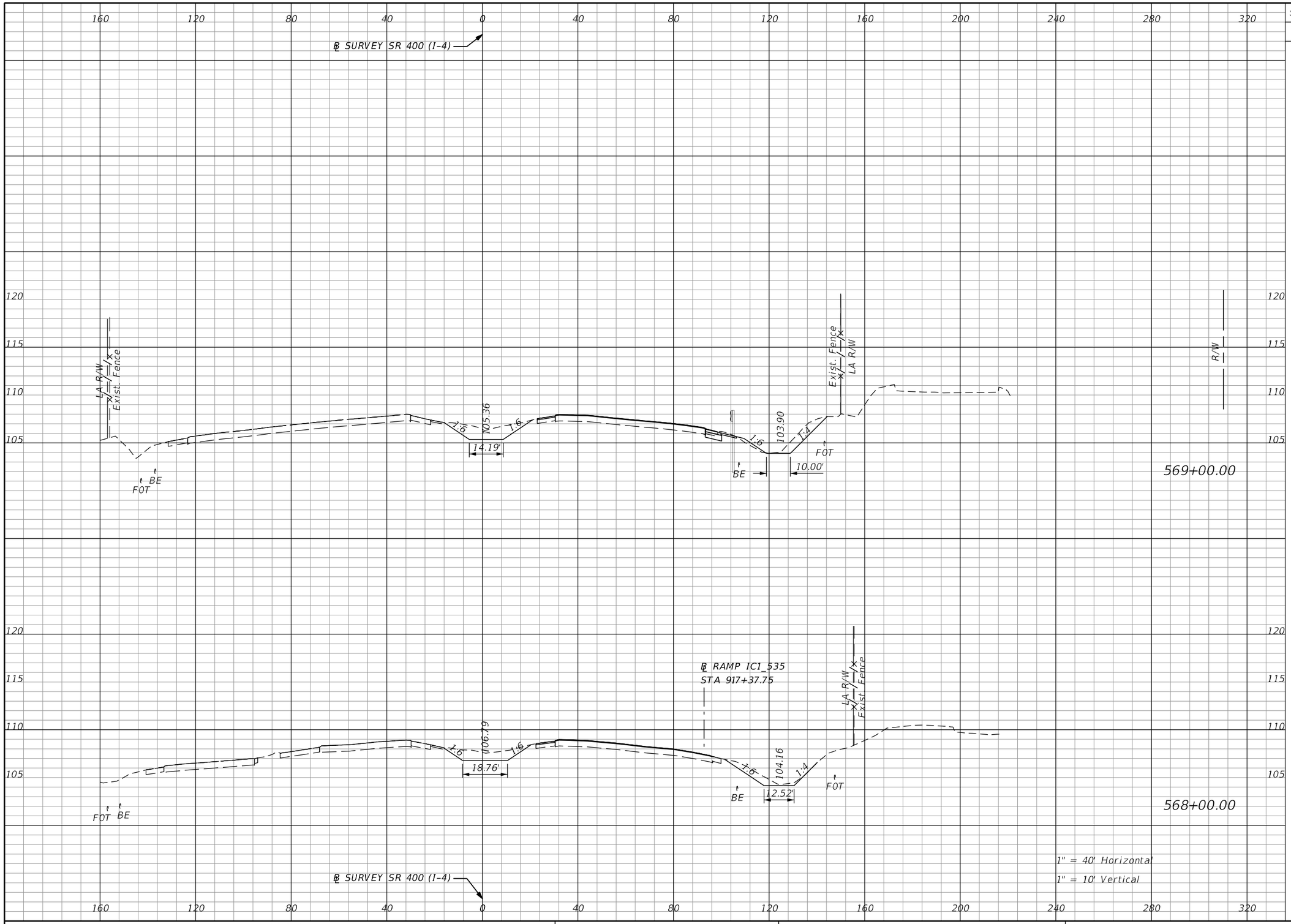
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 360

robert.martini 8/22/2019 1:59:27 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	59.4	189.5	2.8	5.4
0.0	0.0	42.9	185.4	0.1	0.2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

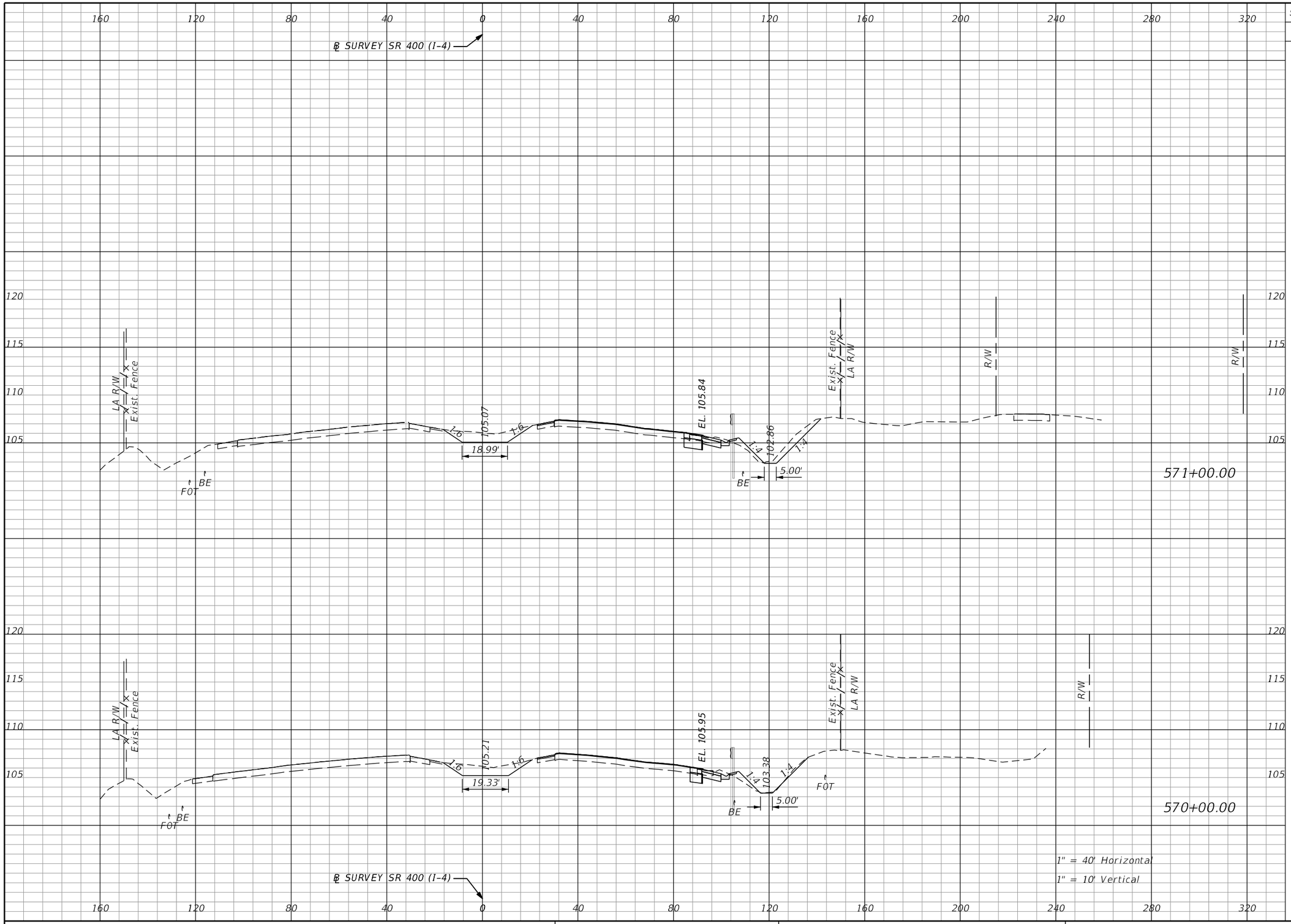
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 361



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		64.5		5.8	
	0.0		210.3		20.5
0.0		49.1		5.3	
	0.0		201.0		15.1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

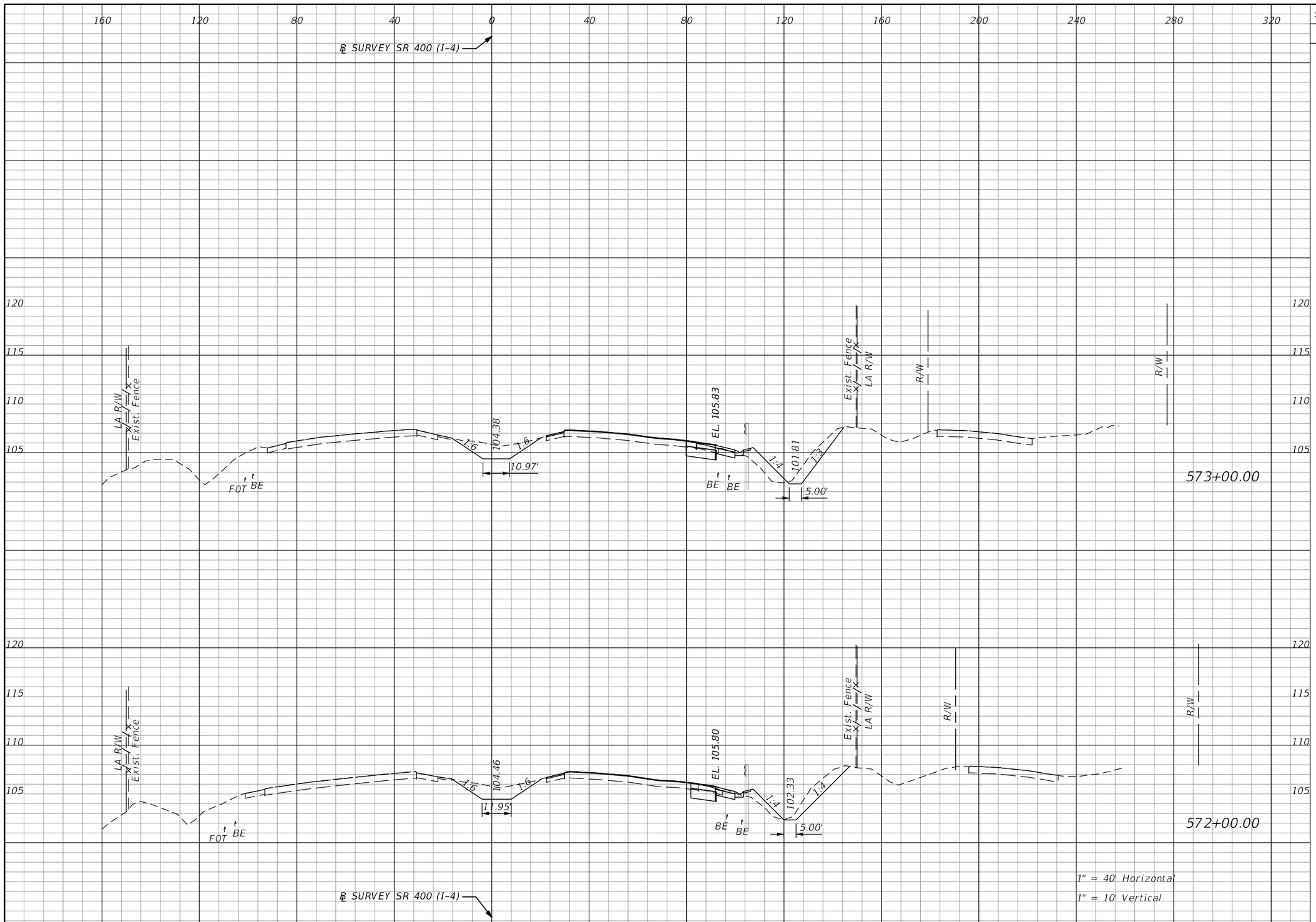
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 362

robert.martini 8/22/2019 1:59:27 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		83.3		19.3	
	0.0		307.9		55.2
0.0		83.0		10.5	
	0.0		273.1		30.1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

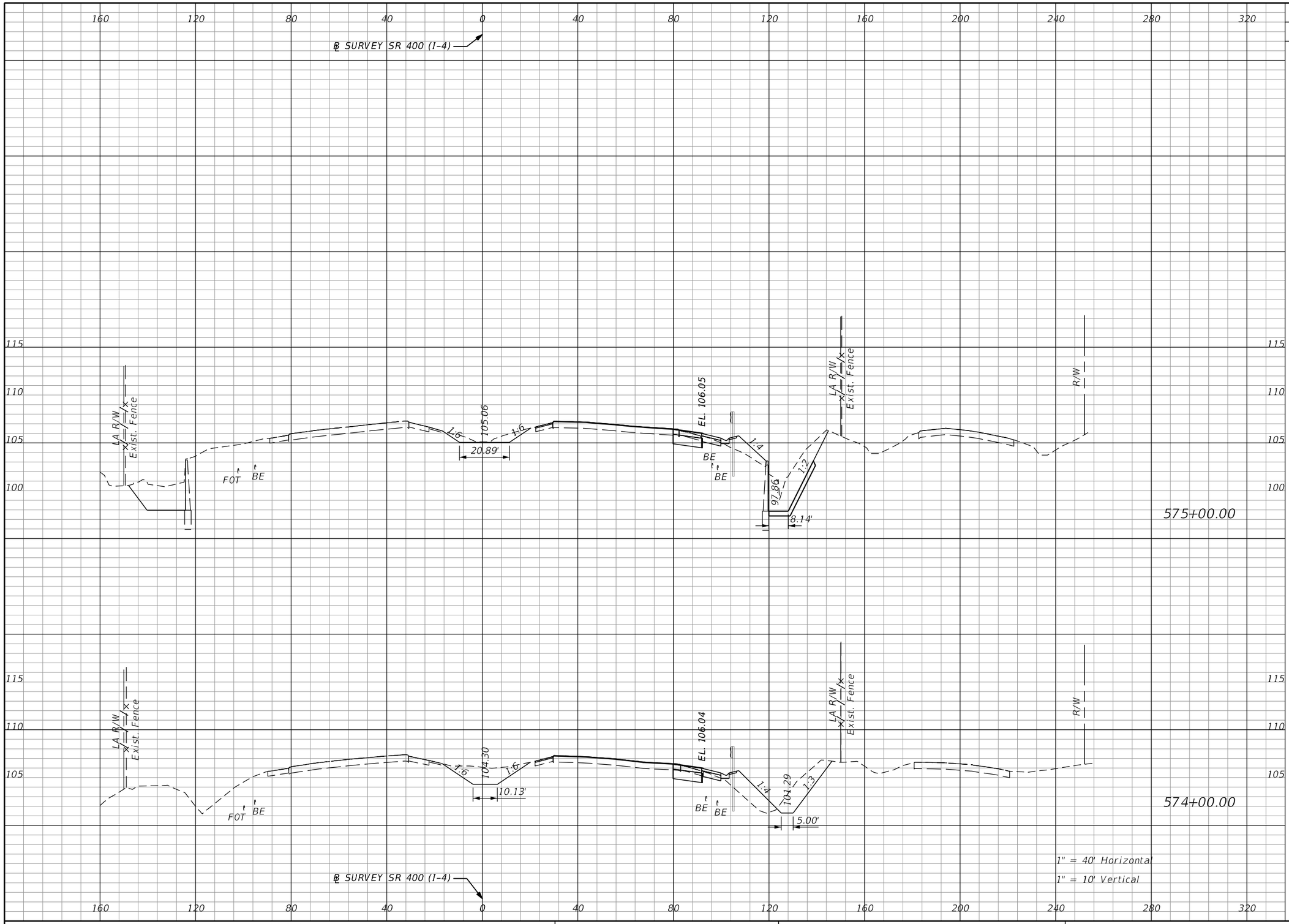
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 363

robert.martini 8/22/2019 1:59:28 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		156.2		17.1	
	0.0		479.0		95.4
0.0		102.5		34.4	
	0.0		343.9		99.5

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

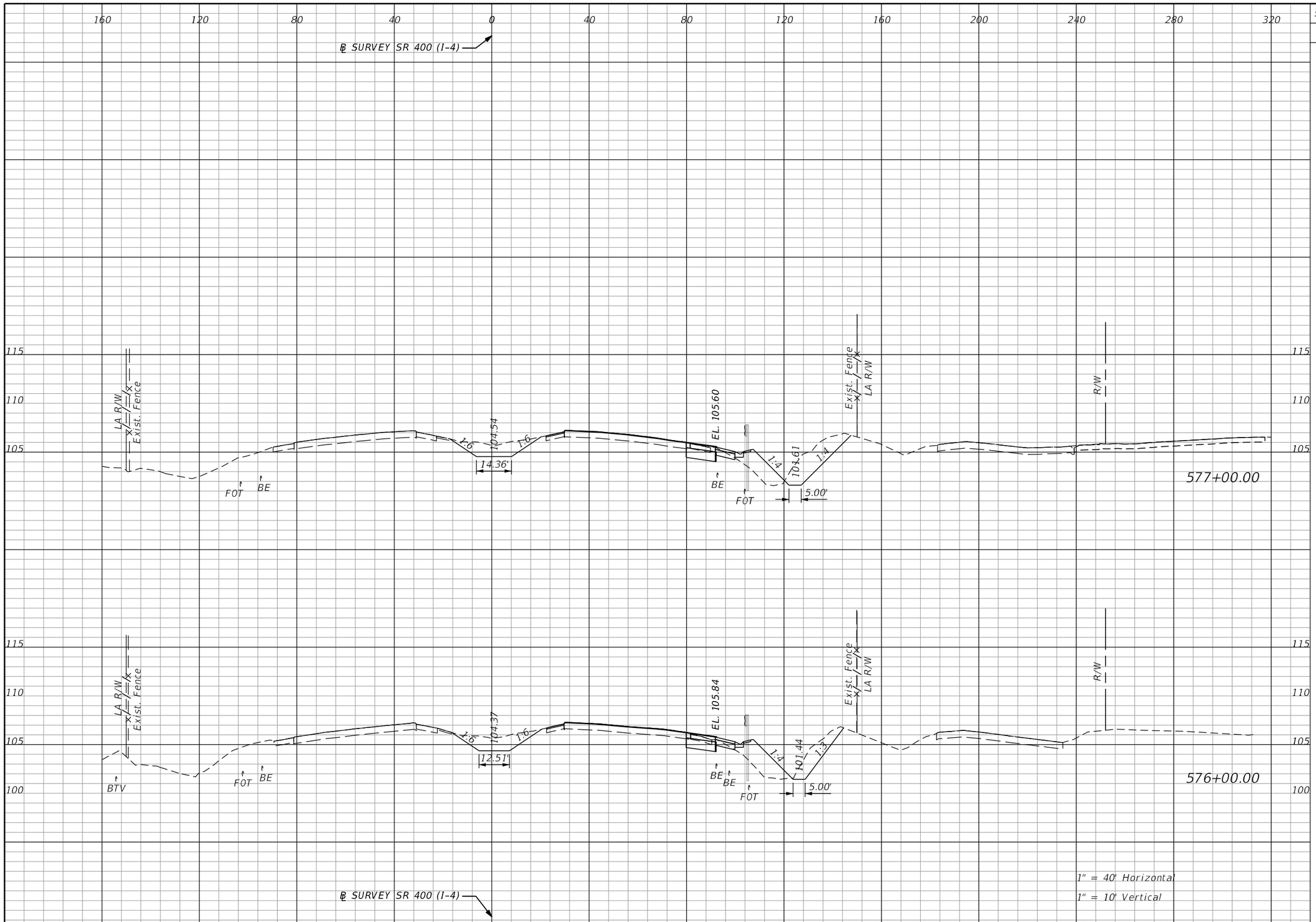
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 364

robert.martini 8/22/2019 1:59:29 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	108.0	359.2	30.6	126.7
0.0	0.0	86.0	448.5	37.8	101.7

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

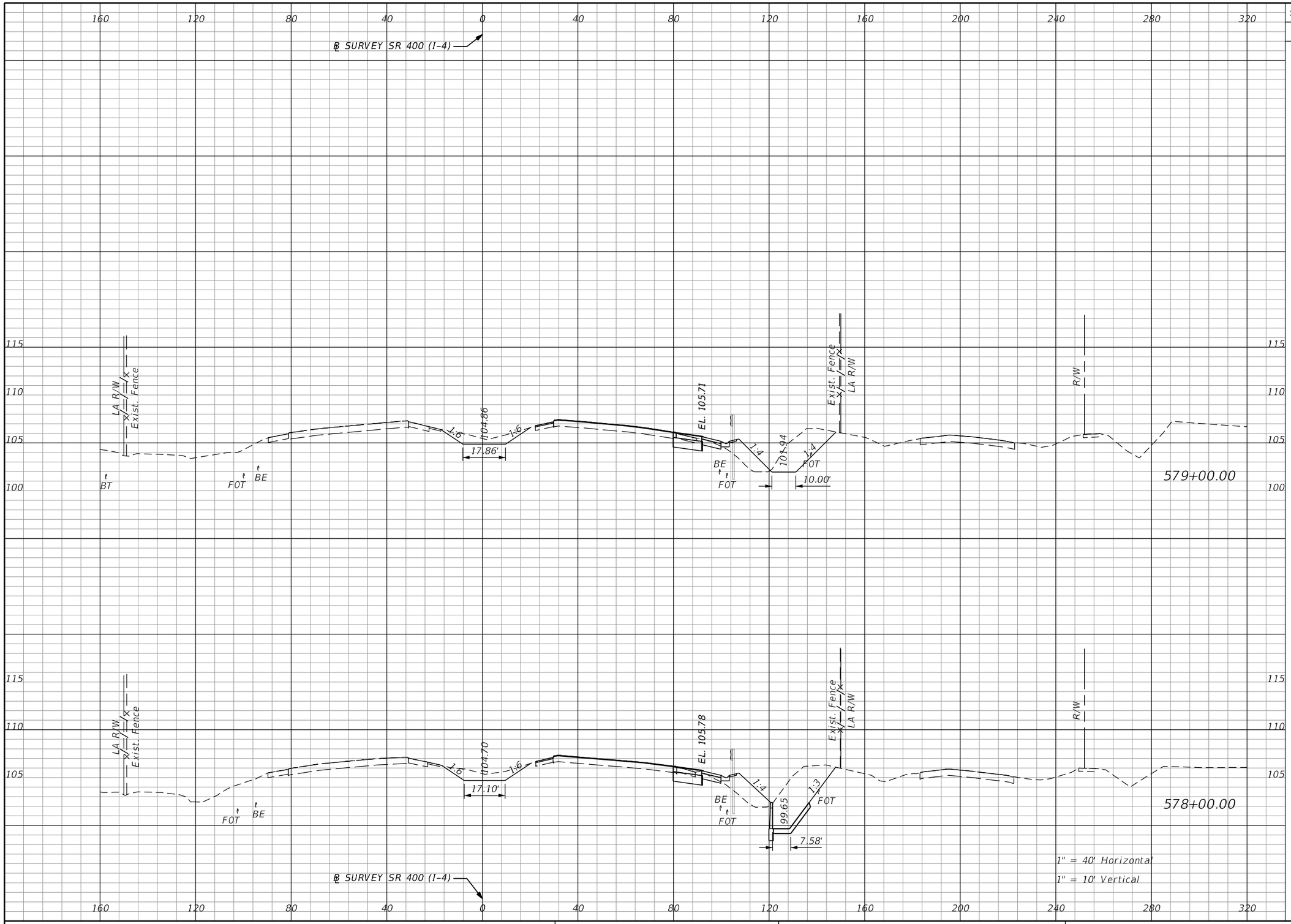
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 365

robert.martini 8/22/2019 1:59:30 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	104.4	440.5	25.6	104.4
0.0	0.0	133.5	447.1	30.7	113.6

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

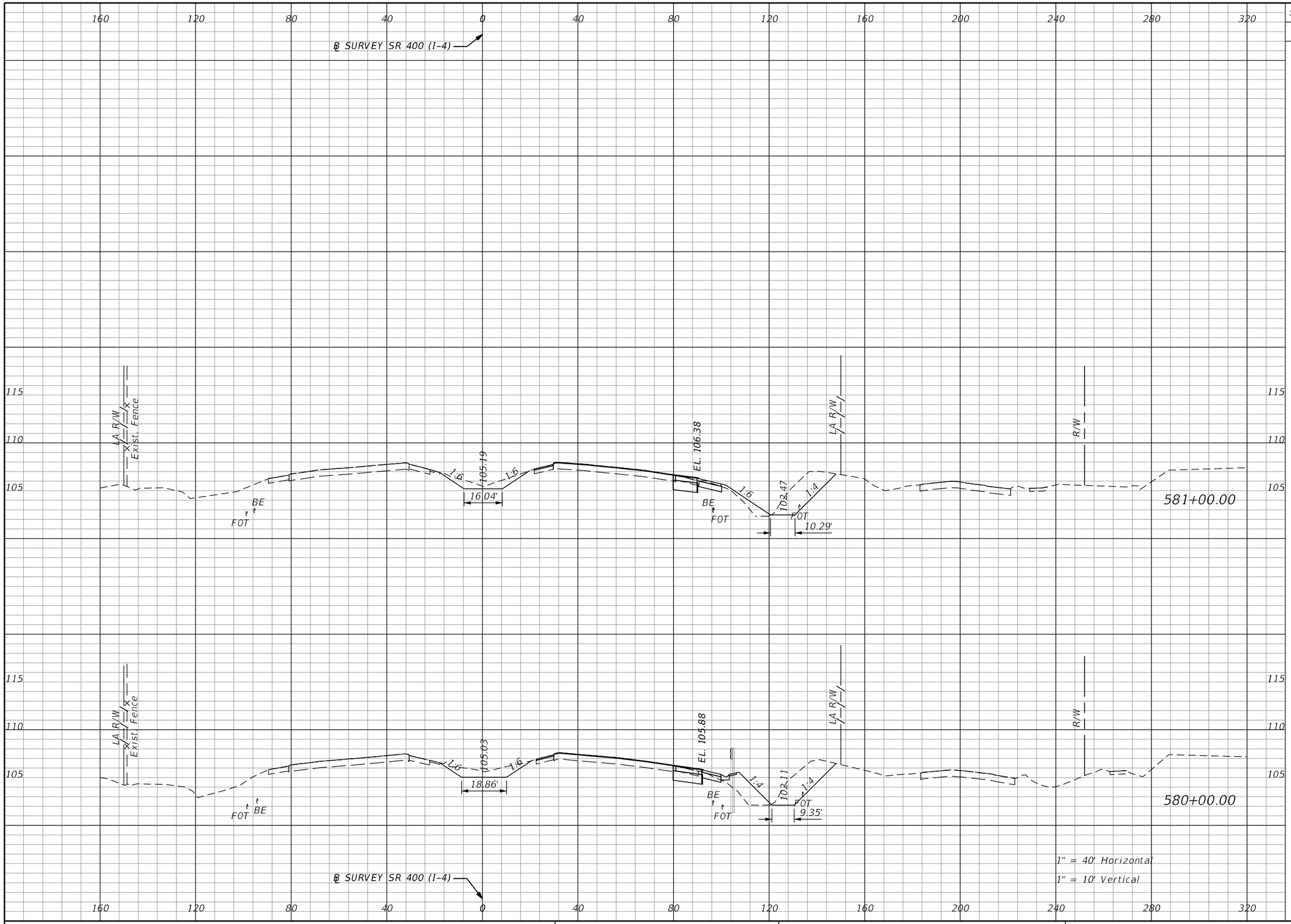
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 366



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	92.2	355.6	11.3	72.7
0.0	0.0	99.8	378.0	27.9	99.2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

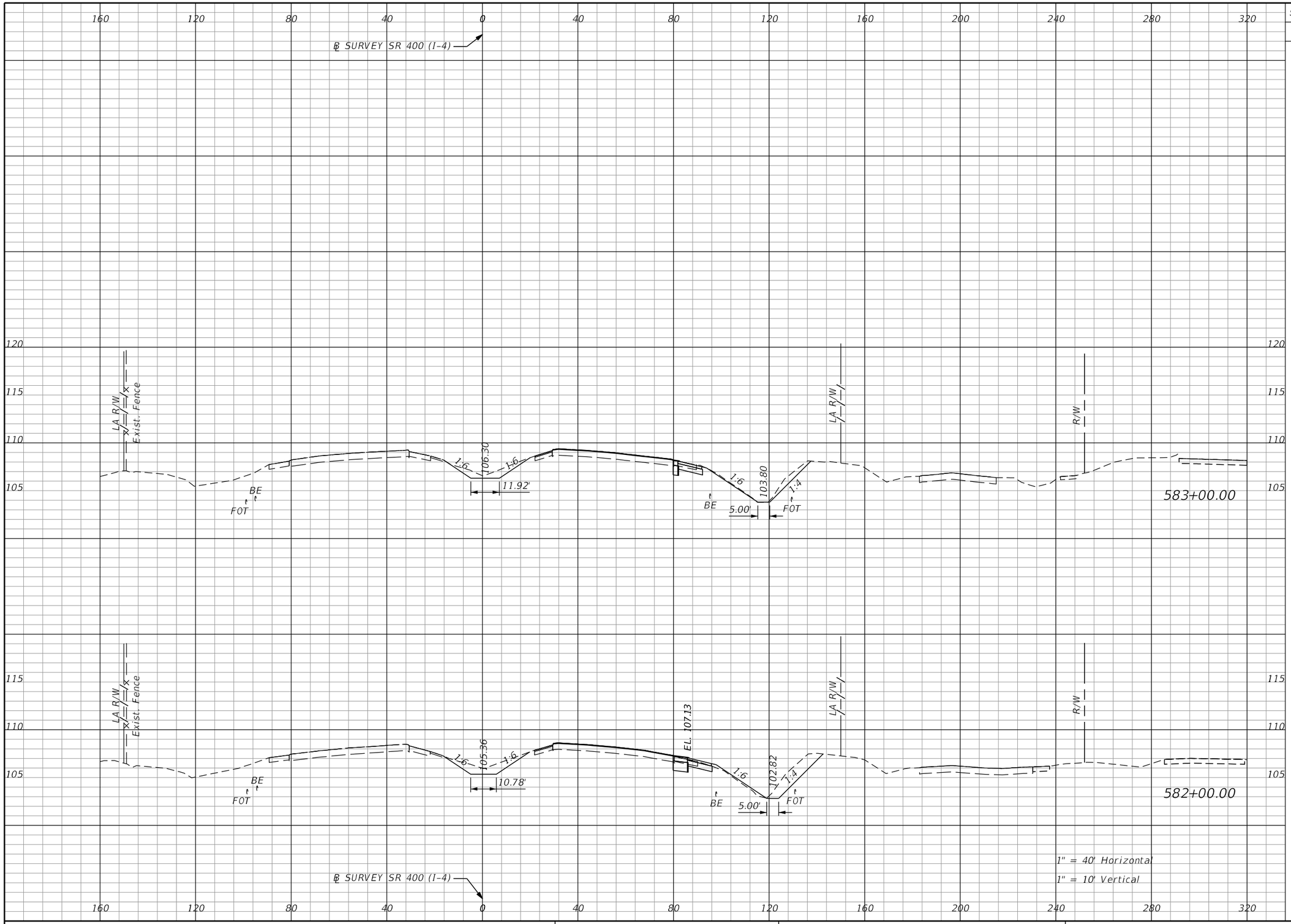
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 367



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	39.3	196.4	0.0	8.3
0.0	0.0	66.7	294.4	4.5	29.2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

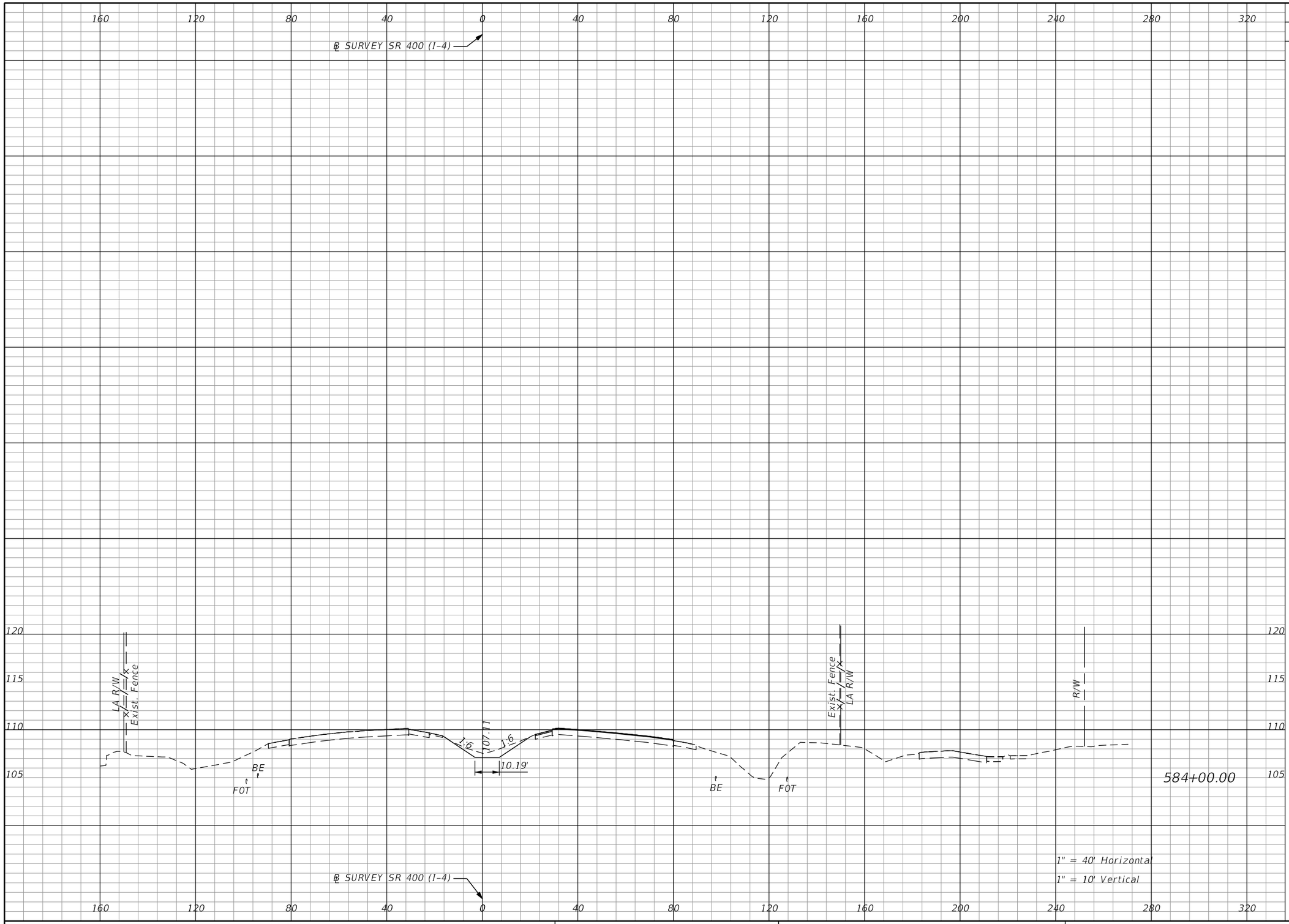
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 368



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	14.6	99.8	0.0	0.1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

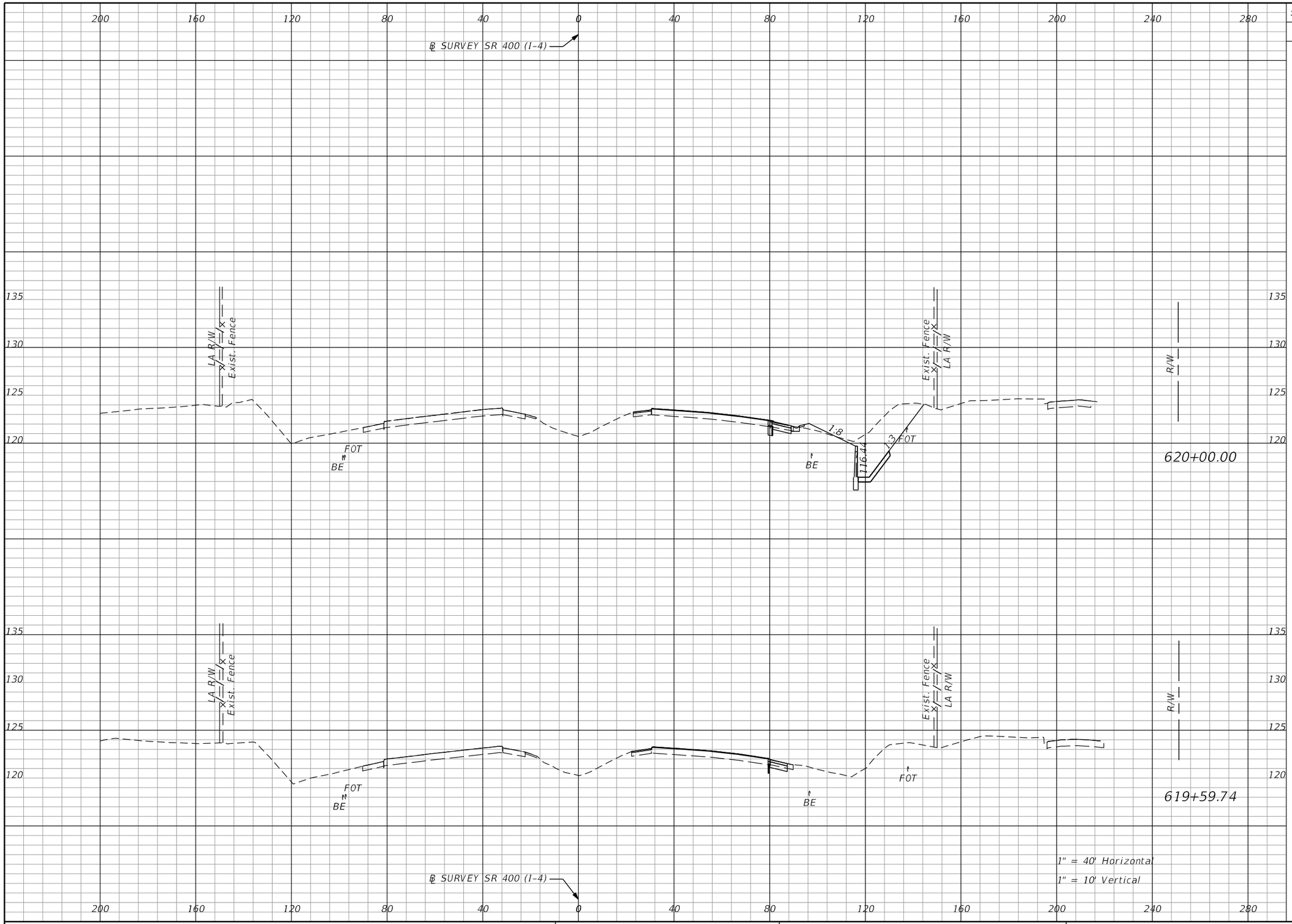
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 369



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	106.3	84.3	4.1	3.0
0.0	0.0	6.8	0.0	0.0	0.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

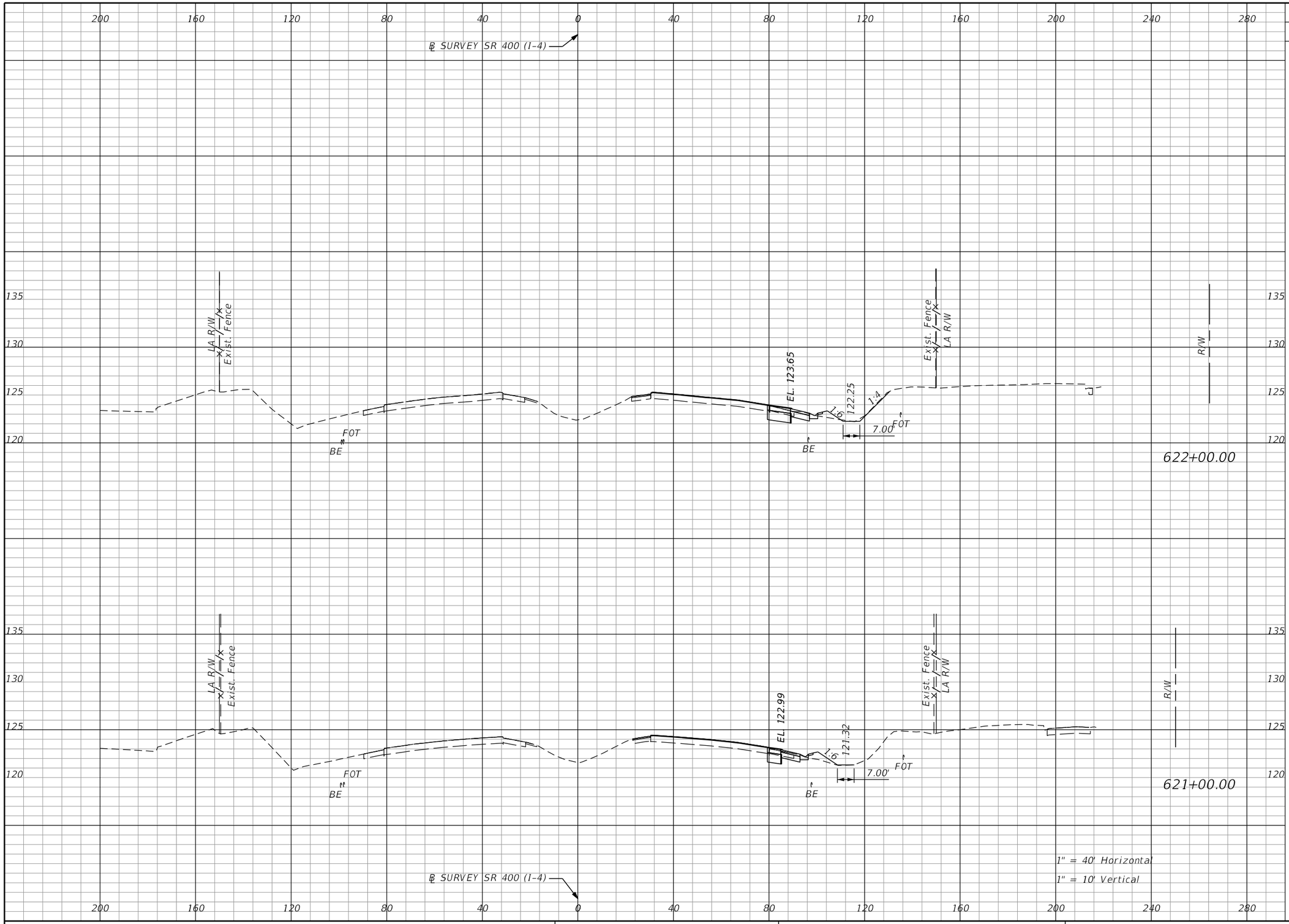
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 370



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	22.8	70.1	3.6	16.9
0.0	0.0	15.1	224.8	5.5	17.8

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

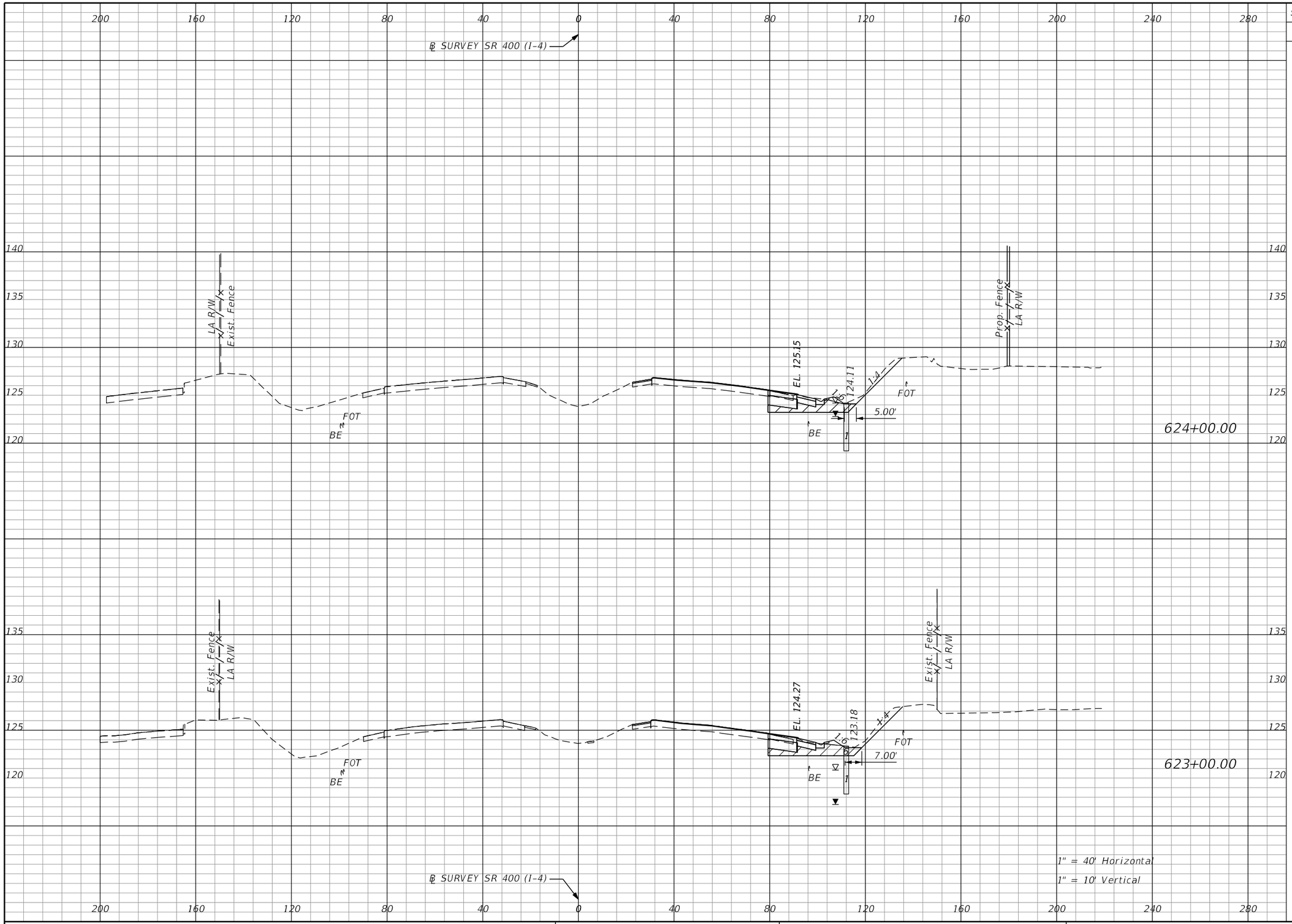
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 371



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
27.9	106.9	36.0	133.7	29.8	113.6
29.8	55.2	36.2	109.2	31.6	65.2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

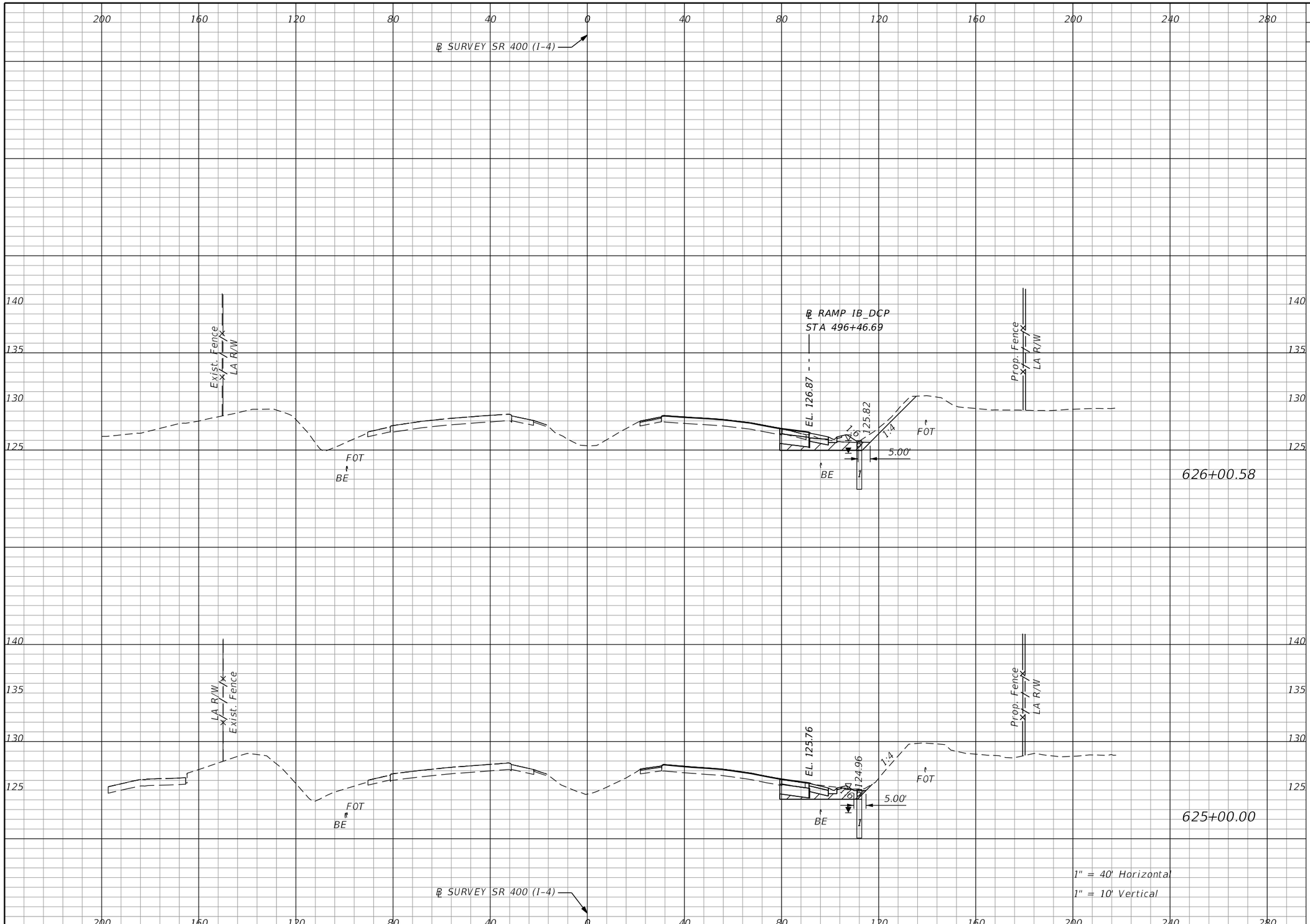
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 372

robert.martini 8/22/2019 1:59:37 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
25.3		34.1		29.3	
	85.3		119.0		94.2
20.5		29.8		21.2	
	89.7		121.9		94.4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

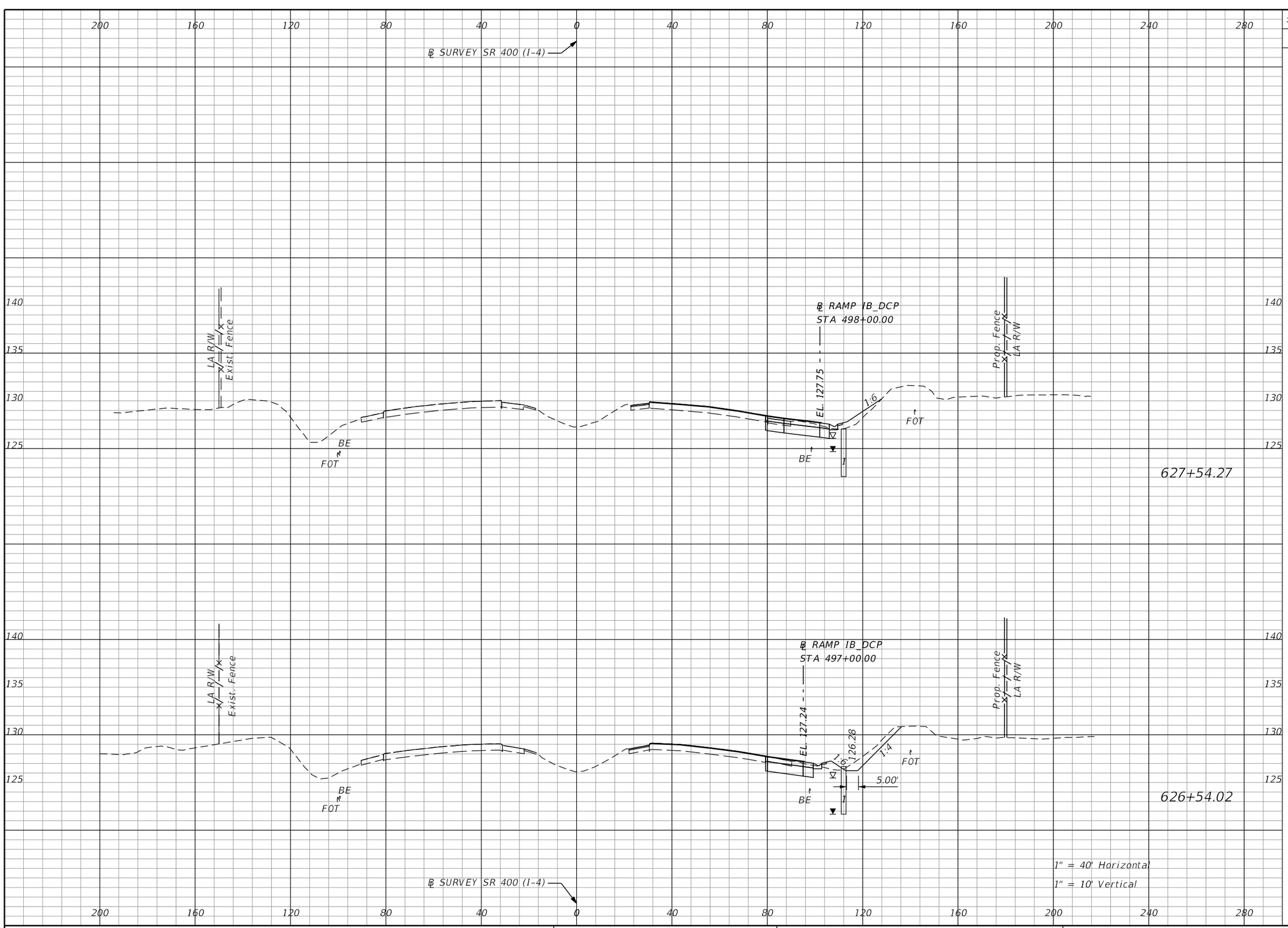
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 373

robert.martini 8/22/2019 1:59:38 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	35.6	151.2	9.8	27.0
0.0	25.0	45.9	79.2	4.7	33.7

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

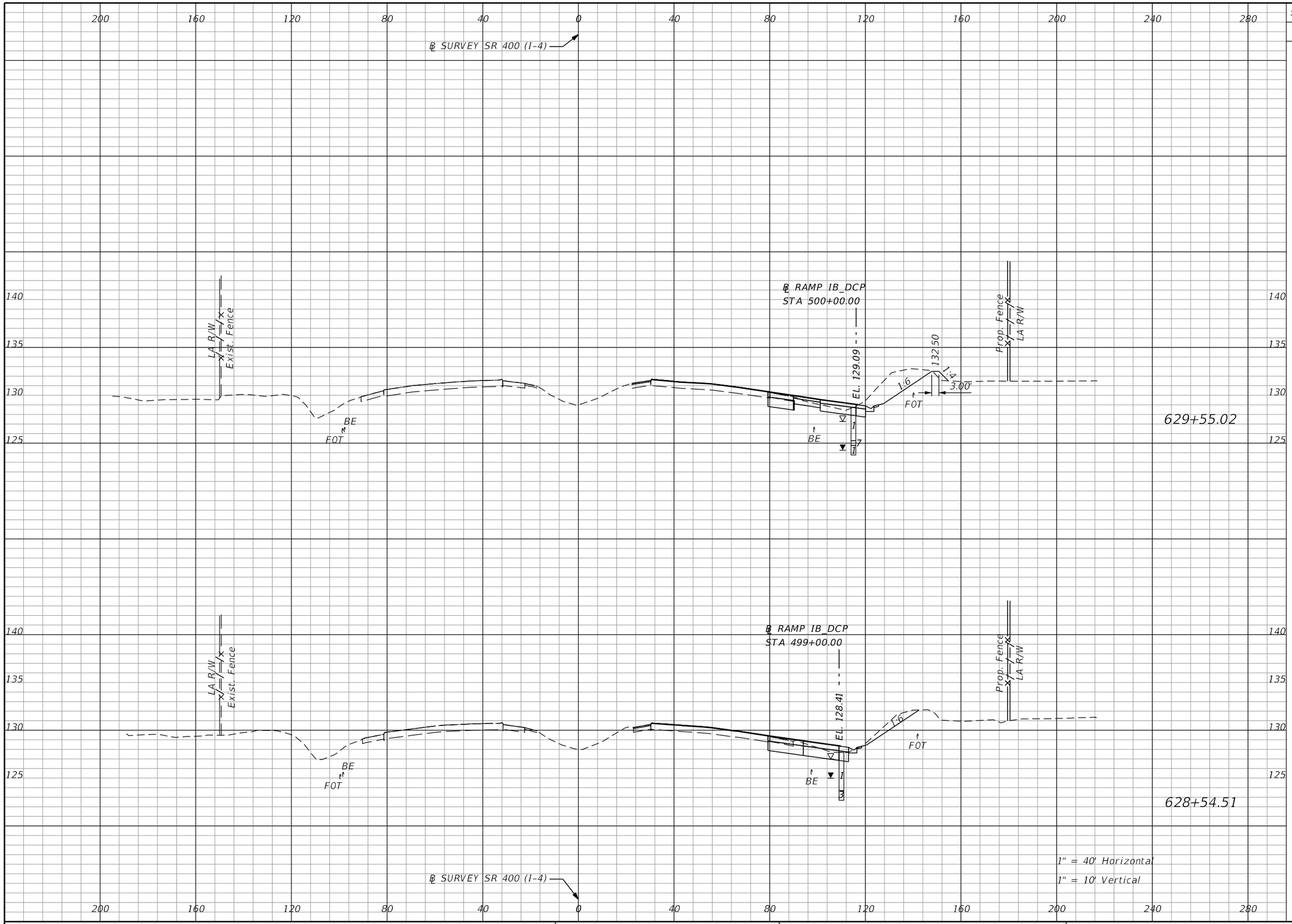
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 374



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	83.3	256.7	2.7	5.0
0.0	0.0	54.6	167.3	0.0	18.3

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

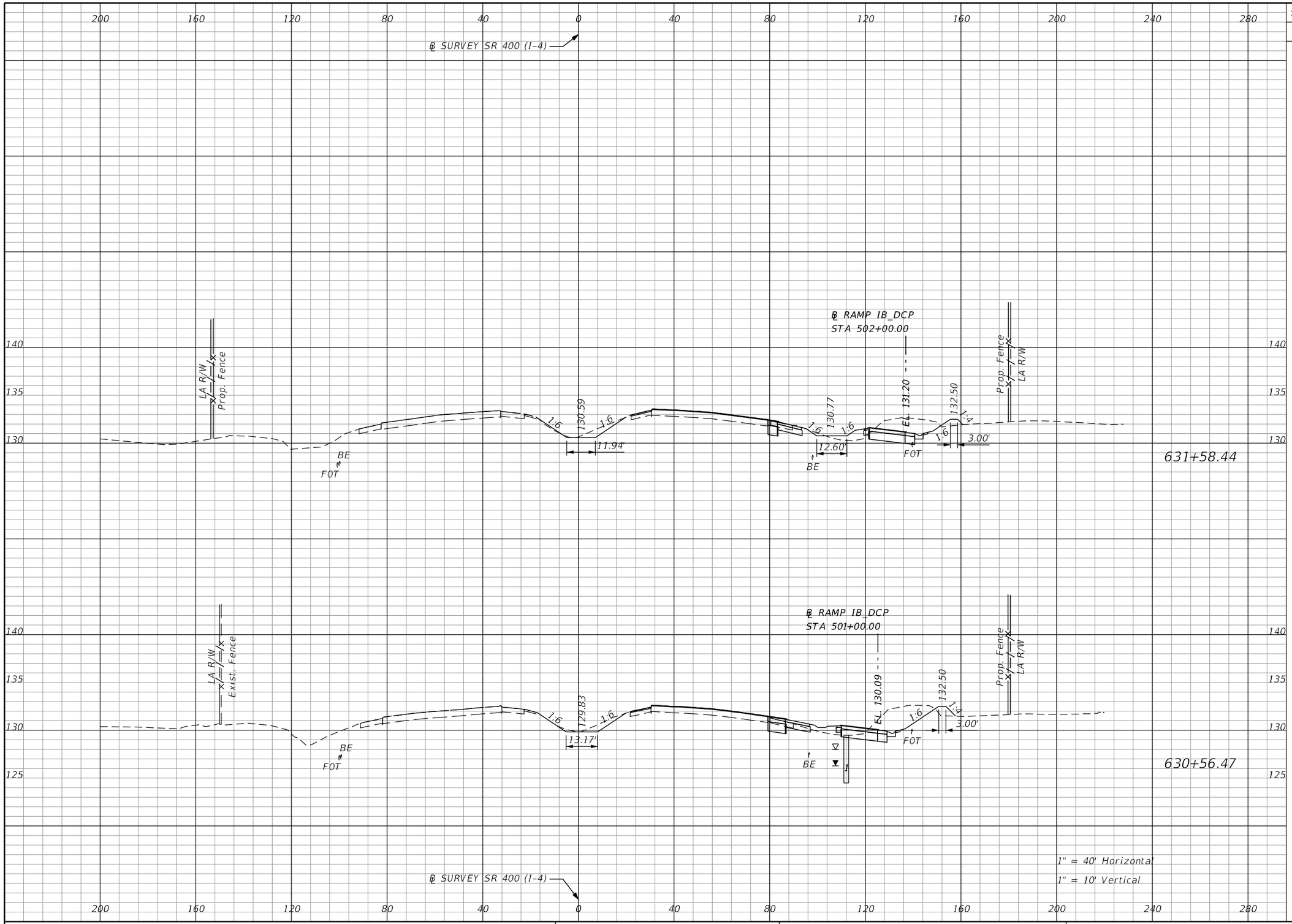
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 375



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	80.1	308.5	15.0	52.6
0.0	0.0	83.3	313.0	12.8	29.1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

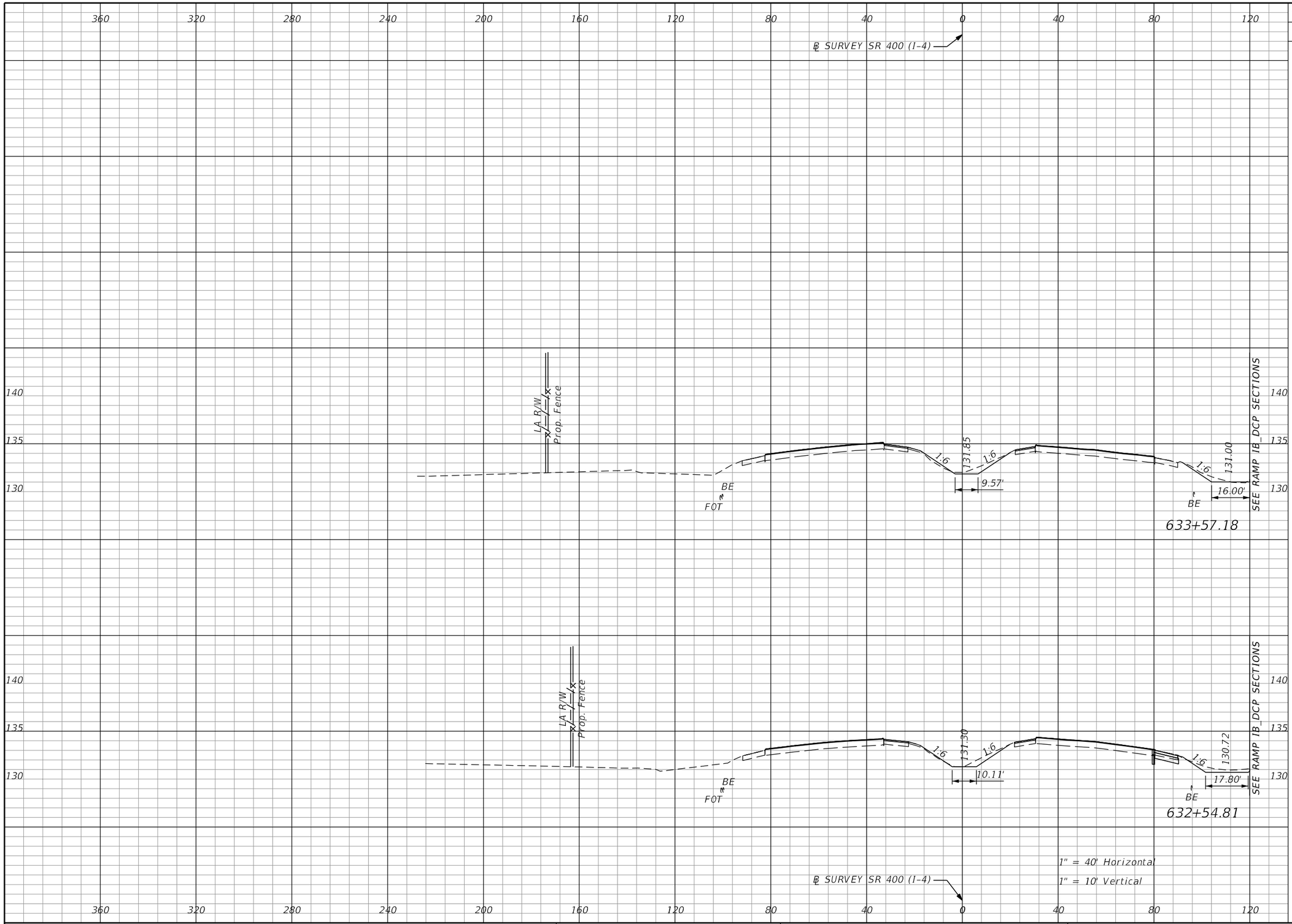
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 376

robert.martini 8/22/2019 1:59:41 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		13.0		2.6	
	0.0		71.9		7.1
0.0		24.9		1.1	
	0.0		187.4		28.8

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

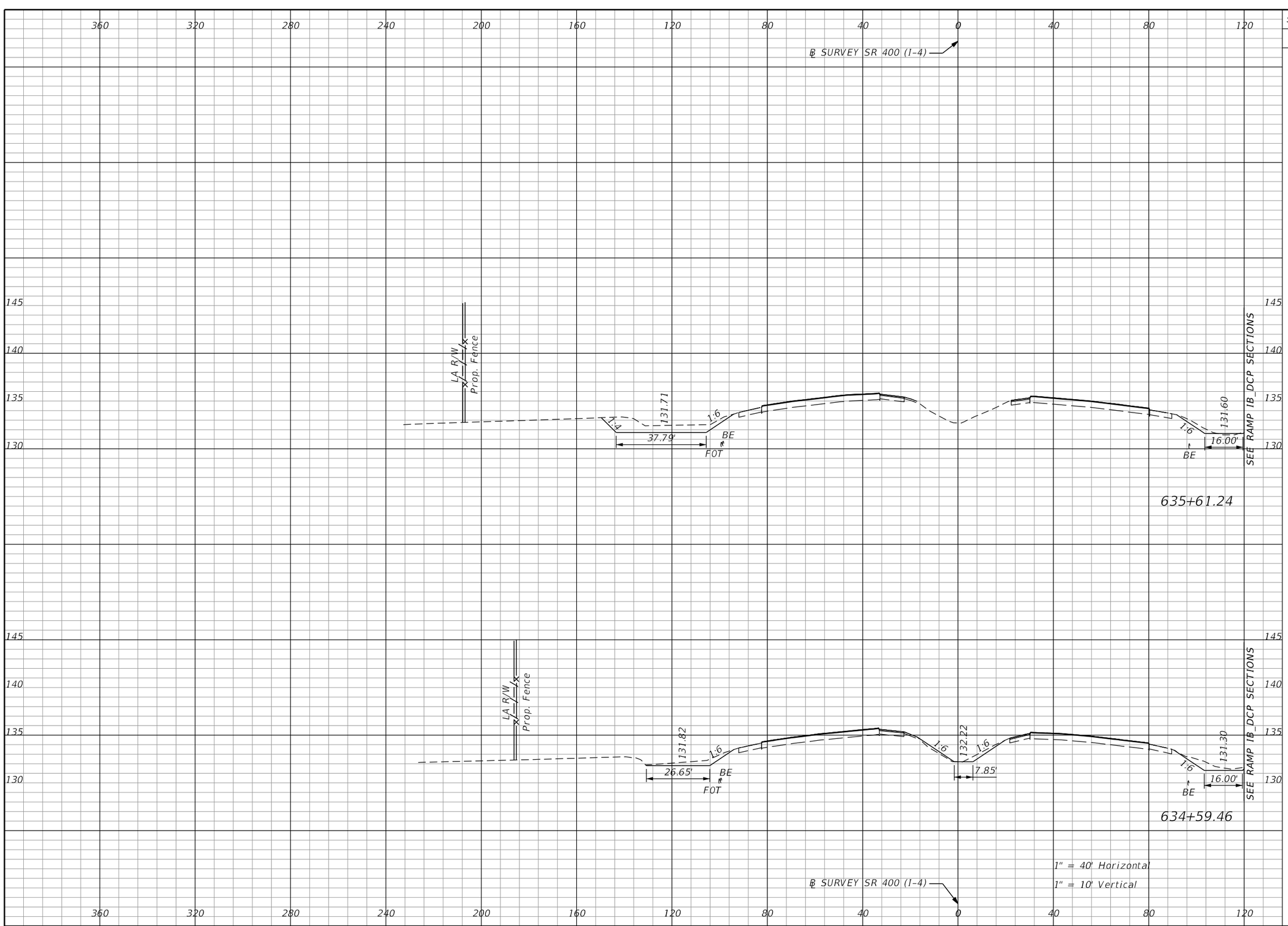
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 377

robert.martini 8/22/2019 1:59:42 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		51.0		1.0	
	0.0		149.2		7.2
0.0		28.1		2.8	
	0.0		77.9		10.4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

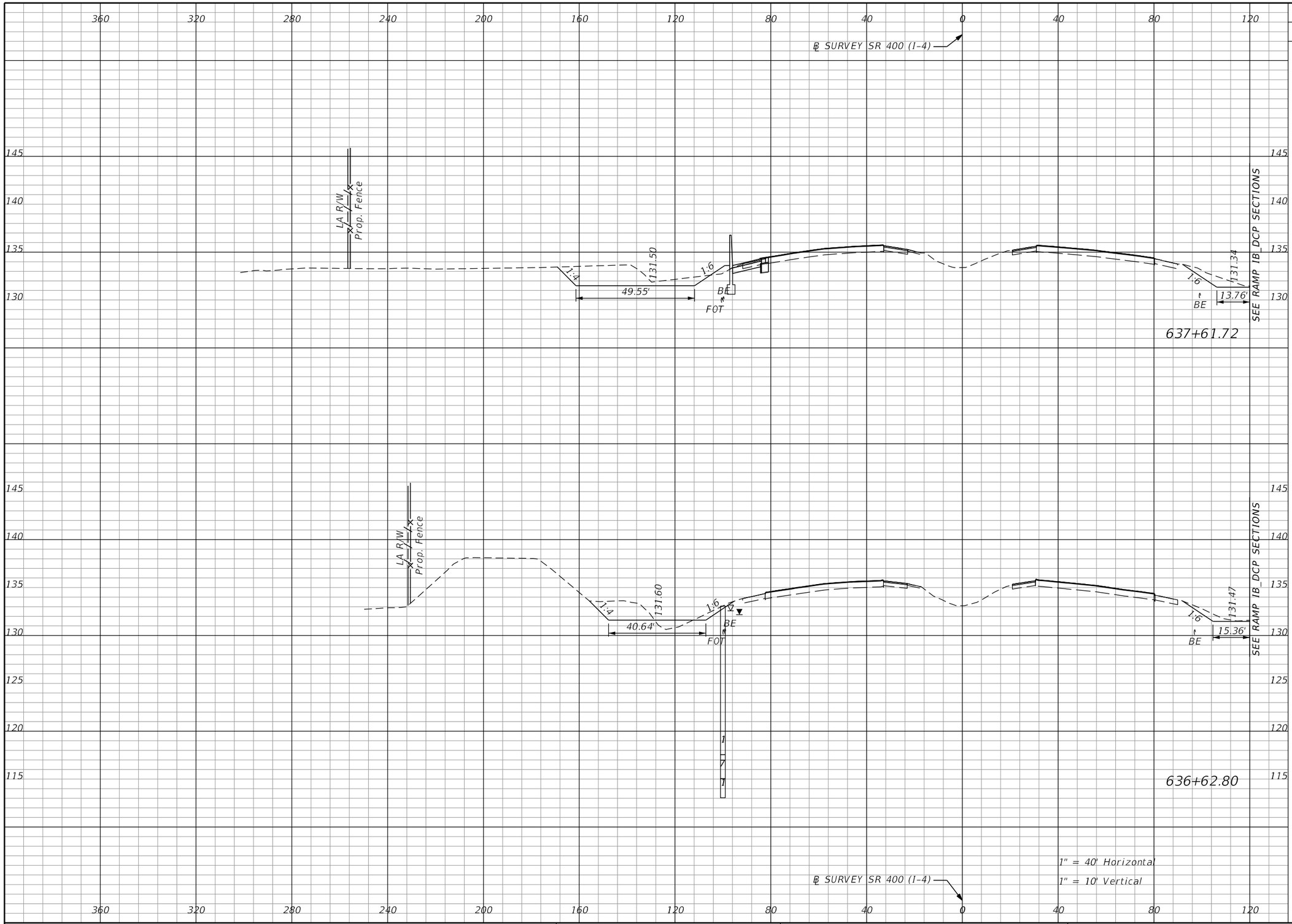
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 378

robert.martini 8/22/2019 1:59:43 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	111.3	301.1	3.5	23.8
0.0	0.0	53.0	195.6	9.5	19.7

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

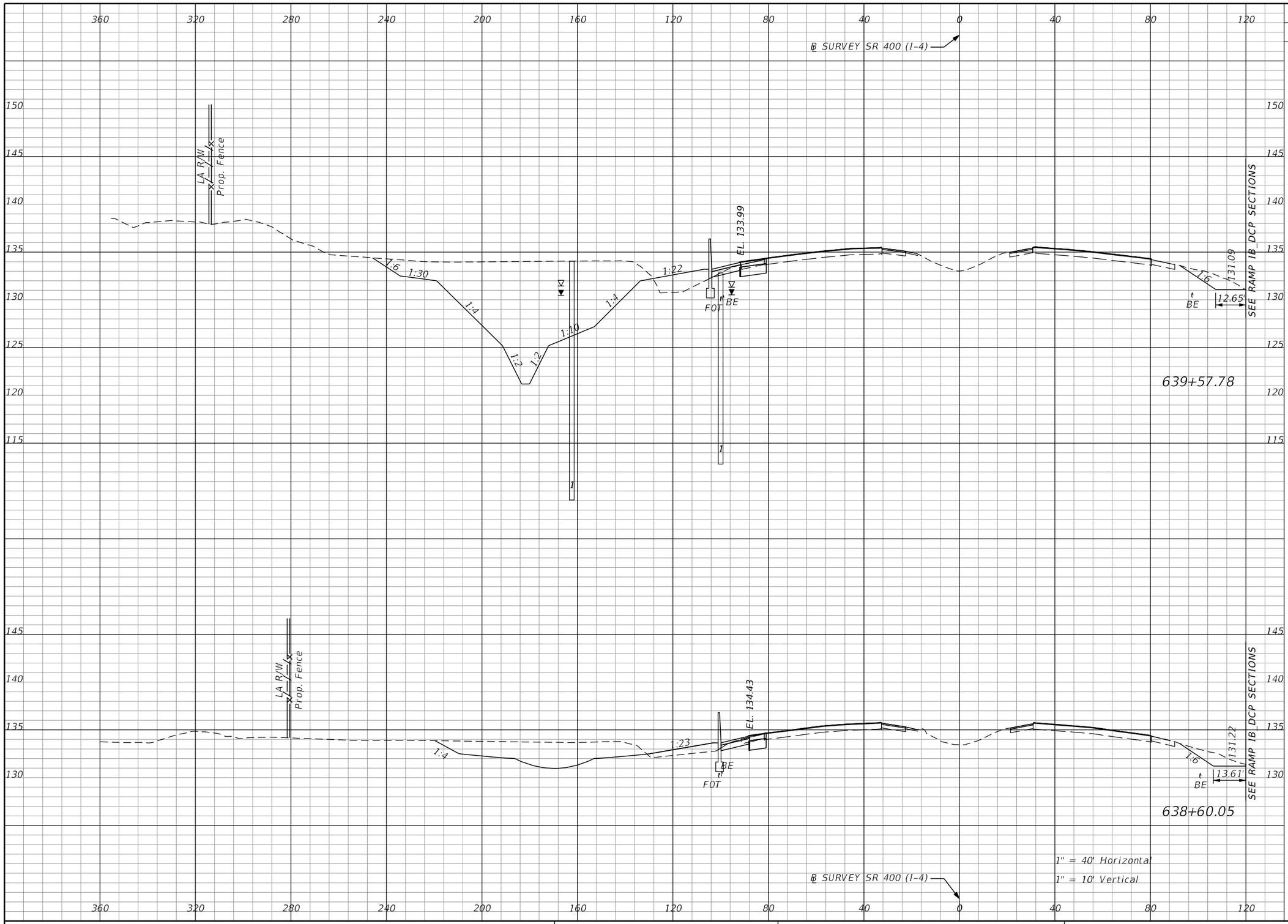
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 379

robert.martini 8/22/2019 1:59:44 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		682.3		36.2	
	0.0		1577.3		100.6
0.0		189.3		19.4	
	0.0		547.4		41.6

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

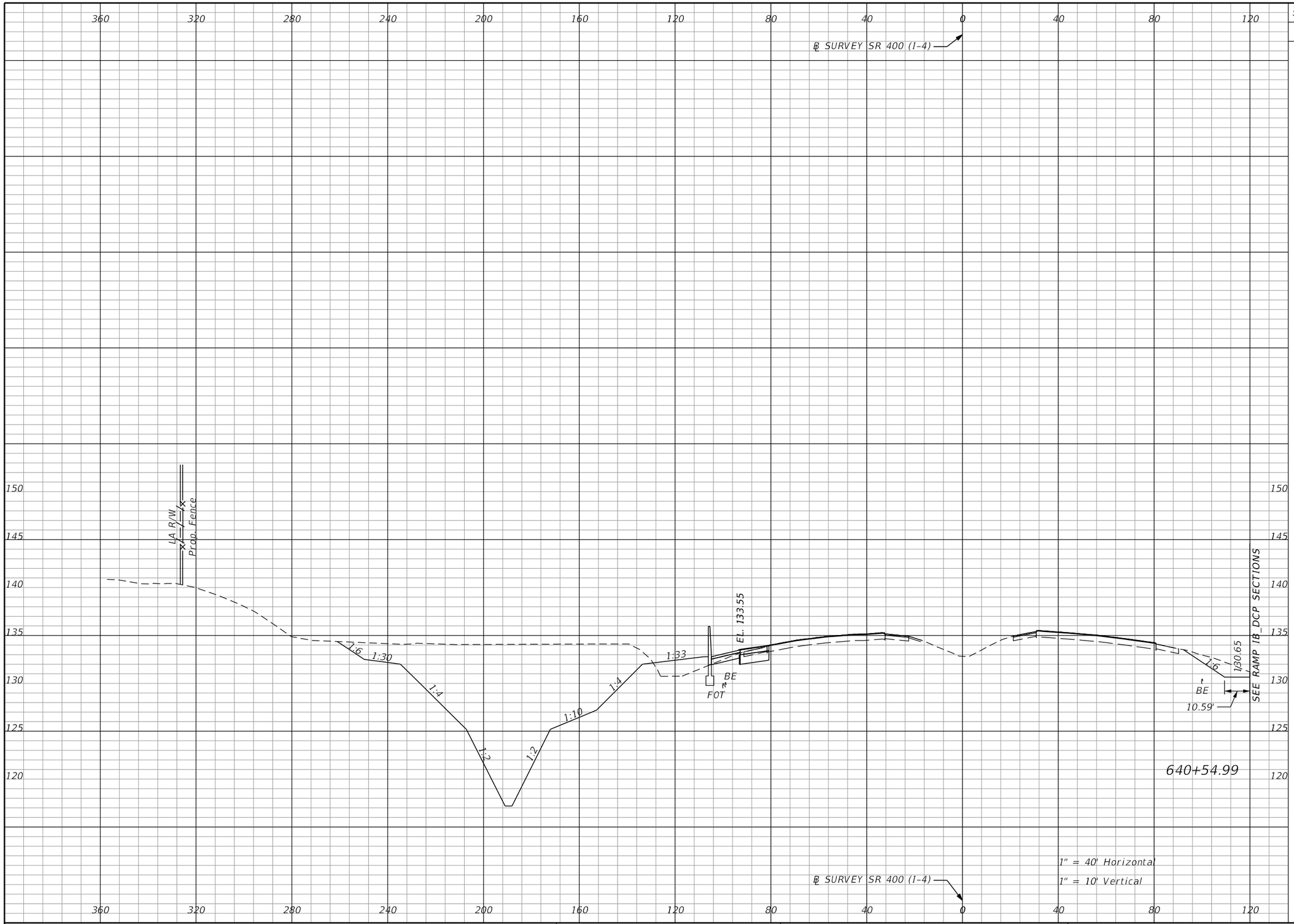
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 380



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	937.7	2916.3	31.6	122.1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

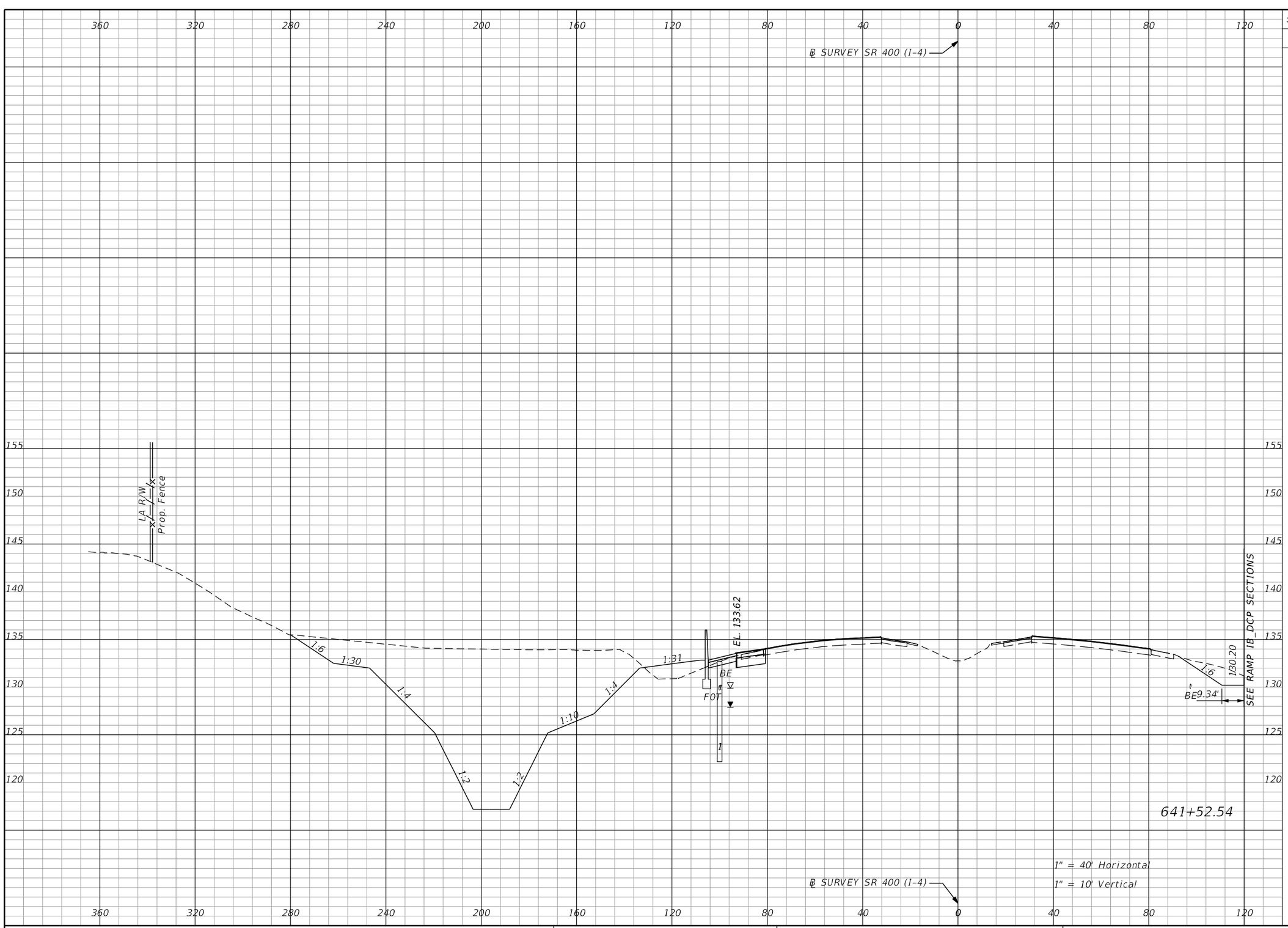
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 381

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	1164.3	3797.1	30.9	113.0



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

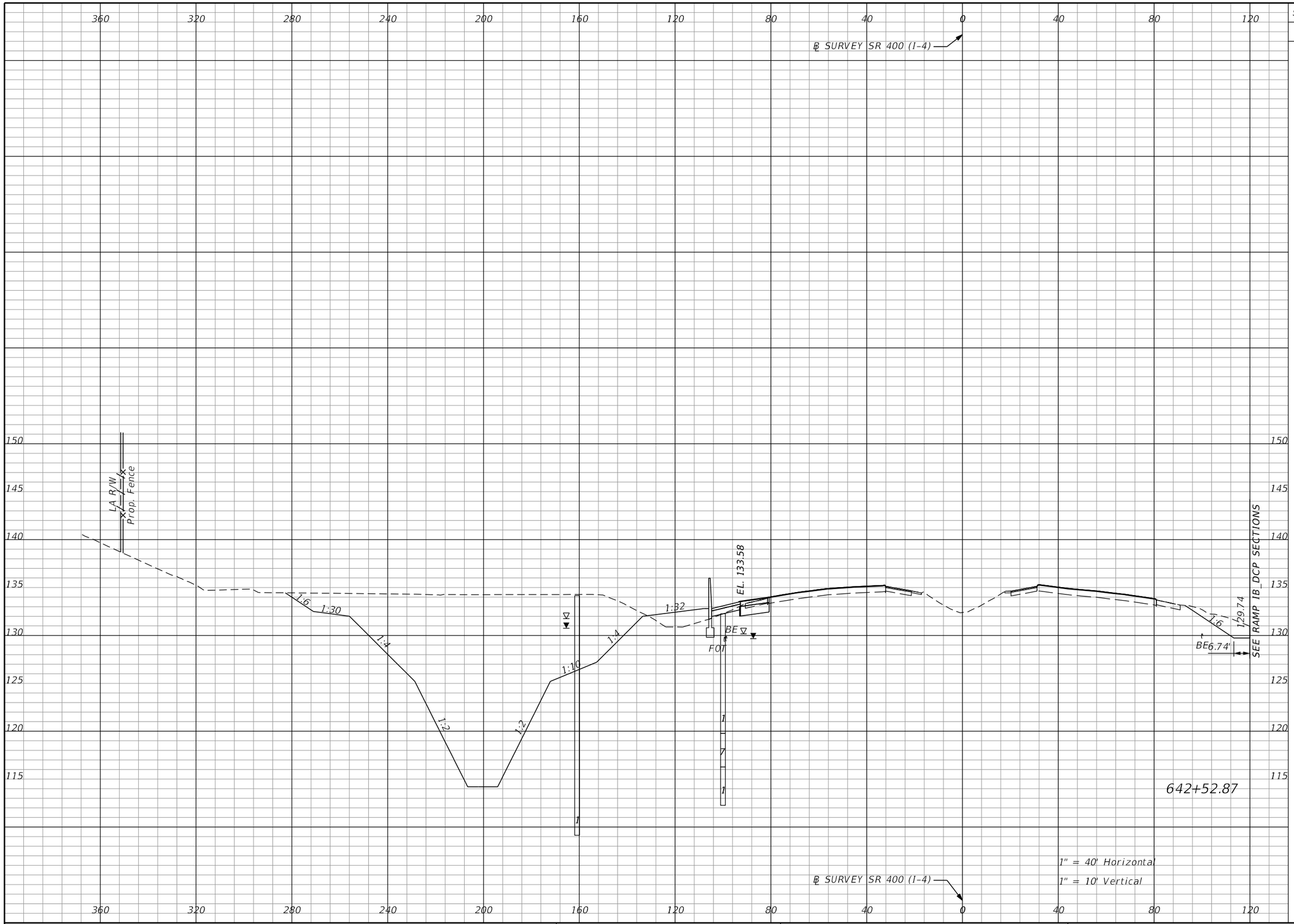
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 382

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:59:47 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	1370.6	4710.1	31.6	116.2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

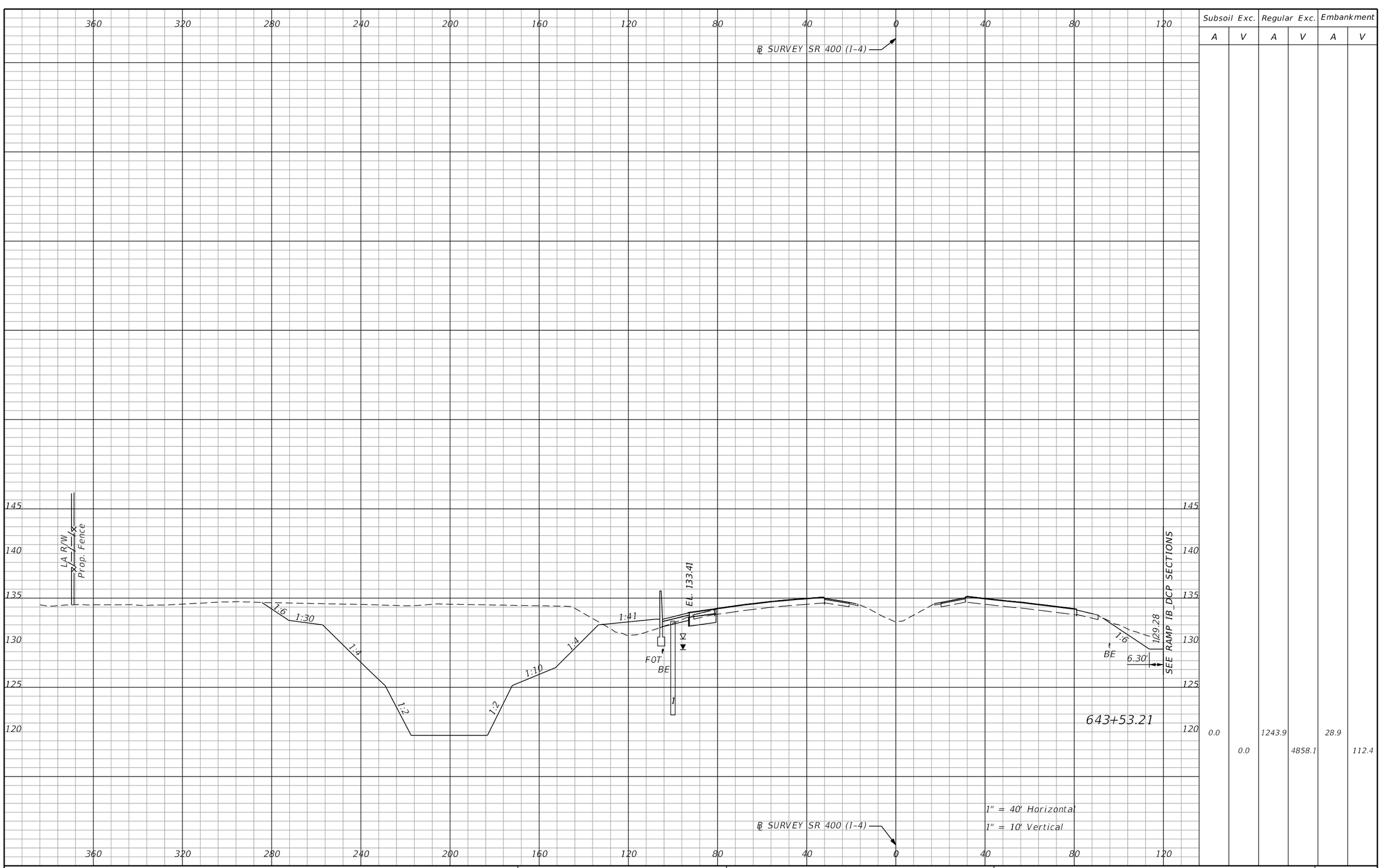
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 383



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	1243.9	4858.1	28.9	112.4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

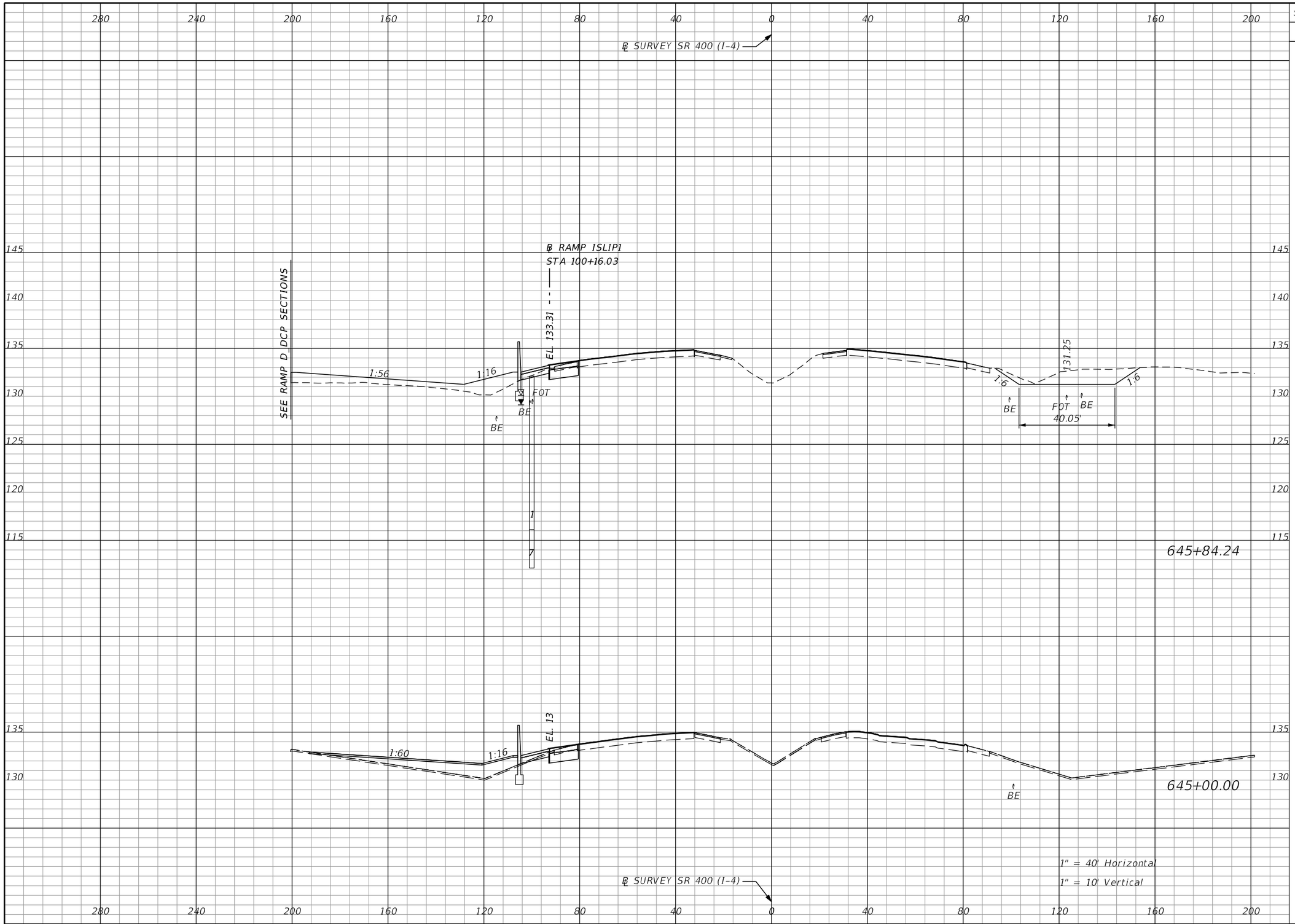
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 384



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	76.9	151.9	81.5	223.1
0.0	0.0	20.5	3437.1	61.5	245.7

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

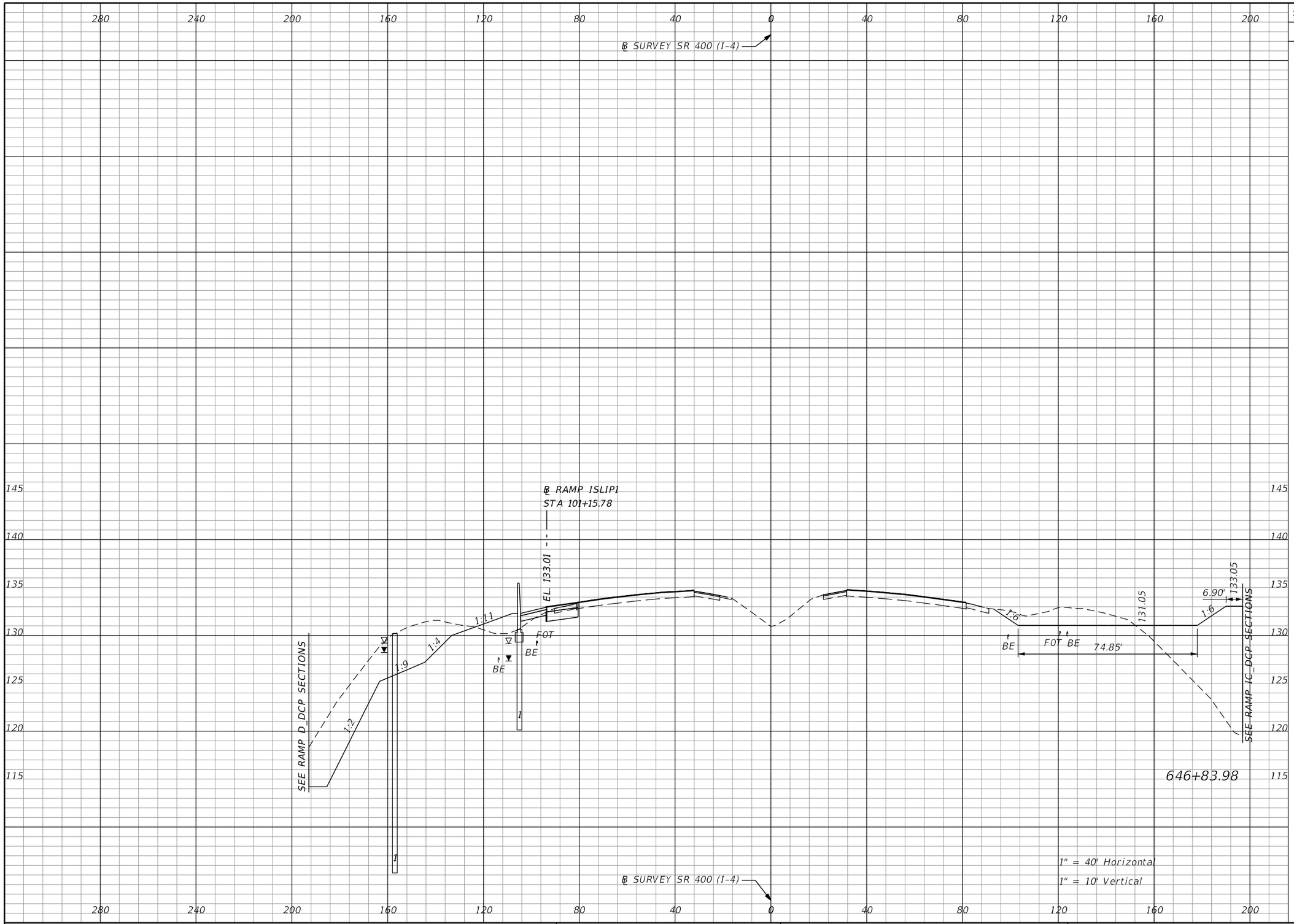
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 385



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	372.3	829.7	298.8	702.4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

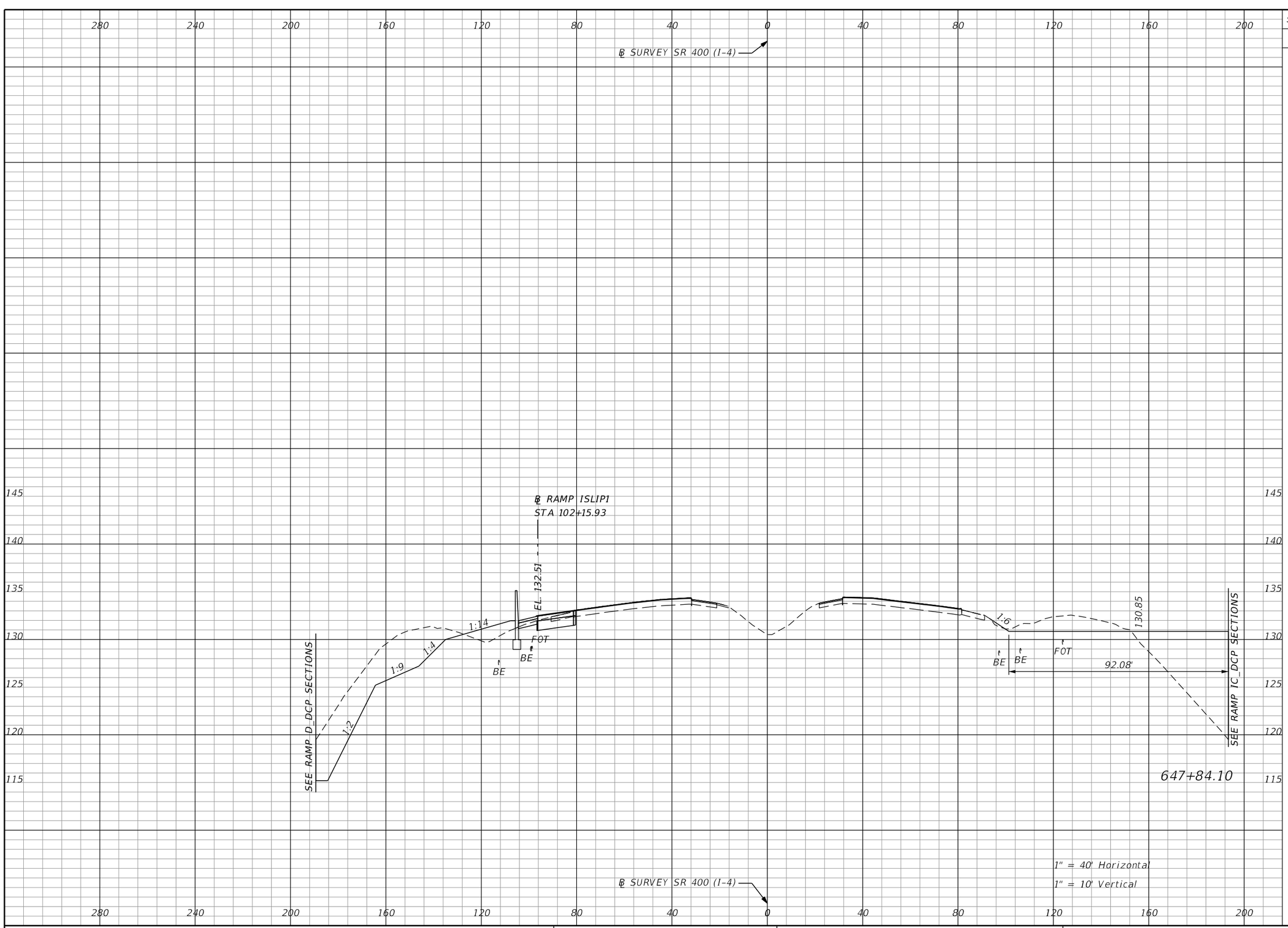
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 386

robert.martini 8/22/2019 1:59:51 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	307.0	1259.5	253.6	1024.1

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

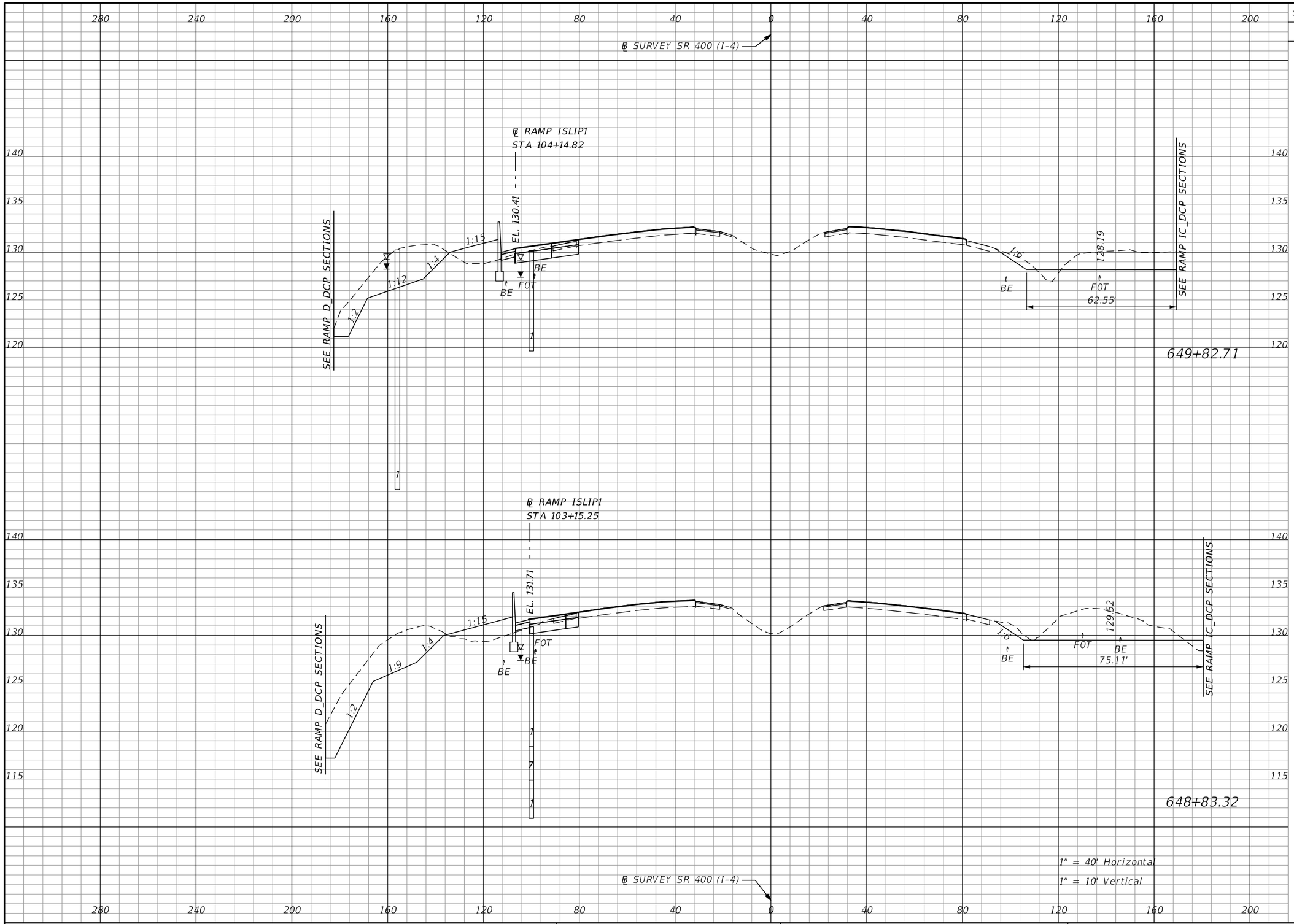
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 387

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		264.6		40.2	
	0.0		1116.0		152.2
0.0		341.7		42.5	
	0.0		1192.2		544.1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

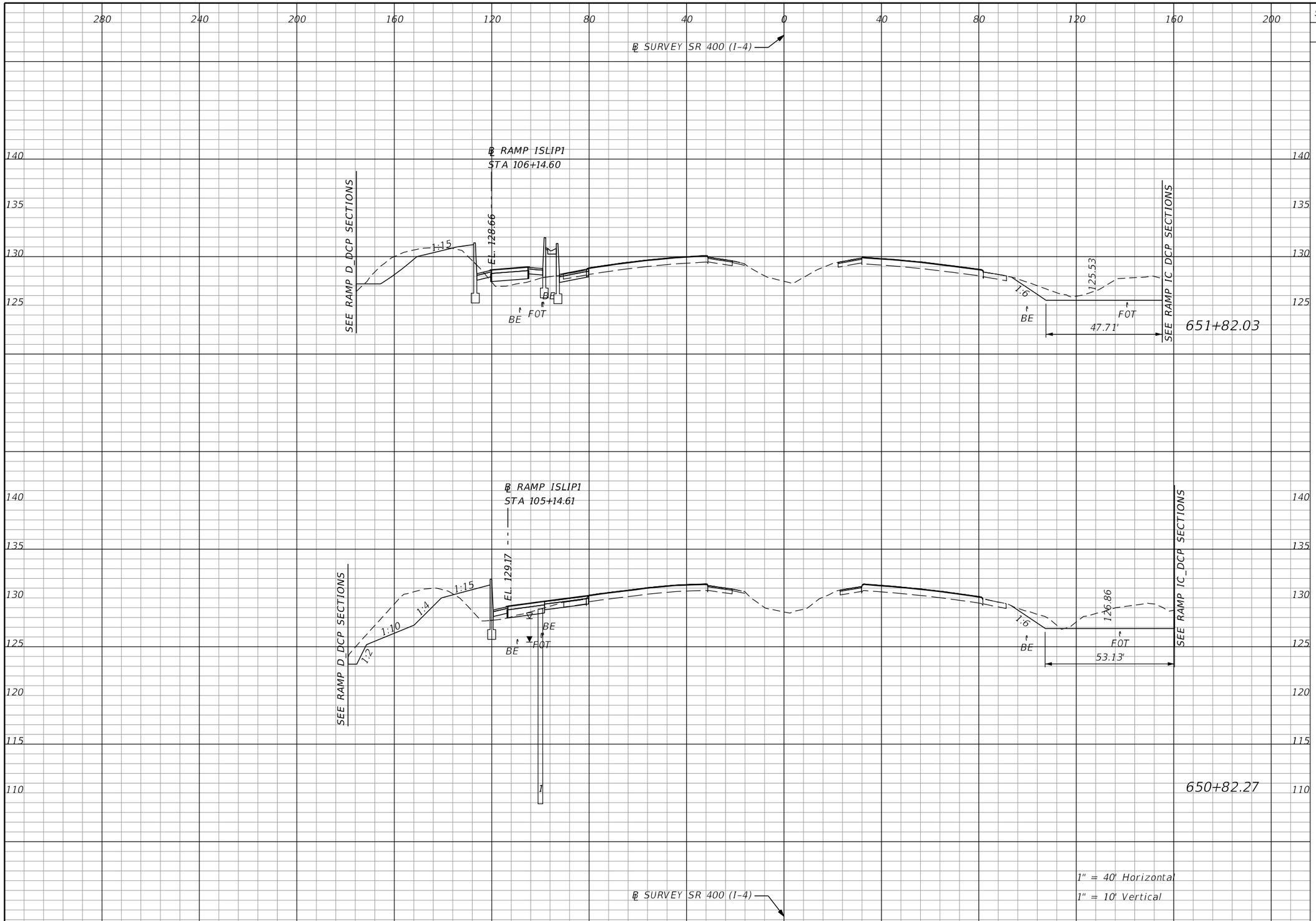
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 388

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:59:54 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	127.8	597.0	28.3	114.4
0.0	0.0	195.3	848.0	33.6	136.1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

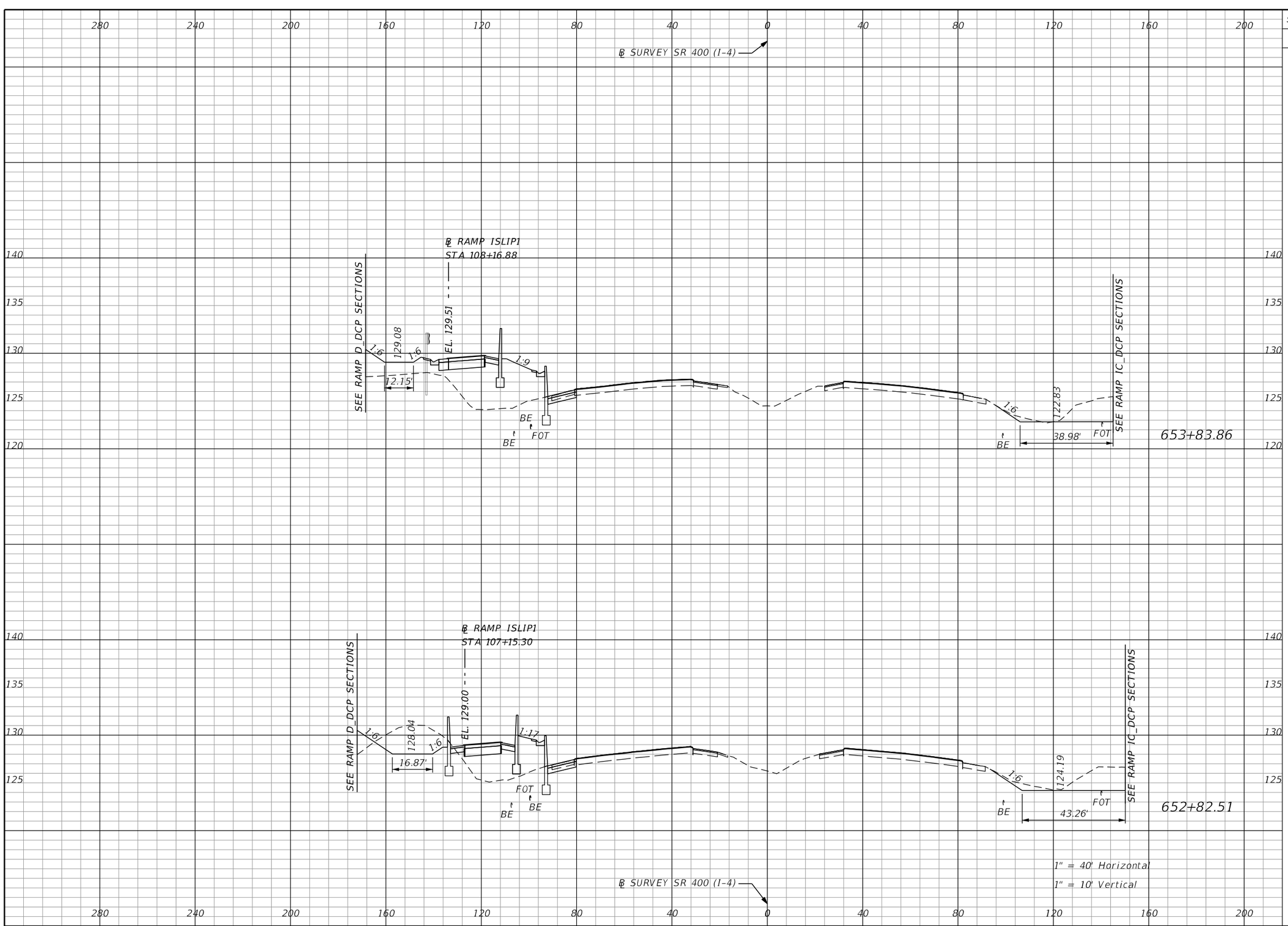
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 389

robert.martini 8/22/2019 1:59:55 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		55.6		196.3	
	0.0		359.7		554.3
0.0		136.1		99.0	
	0.0		491.1		236.9

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

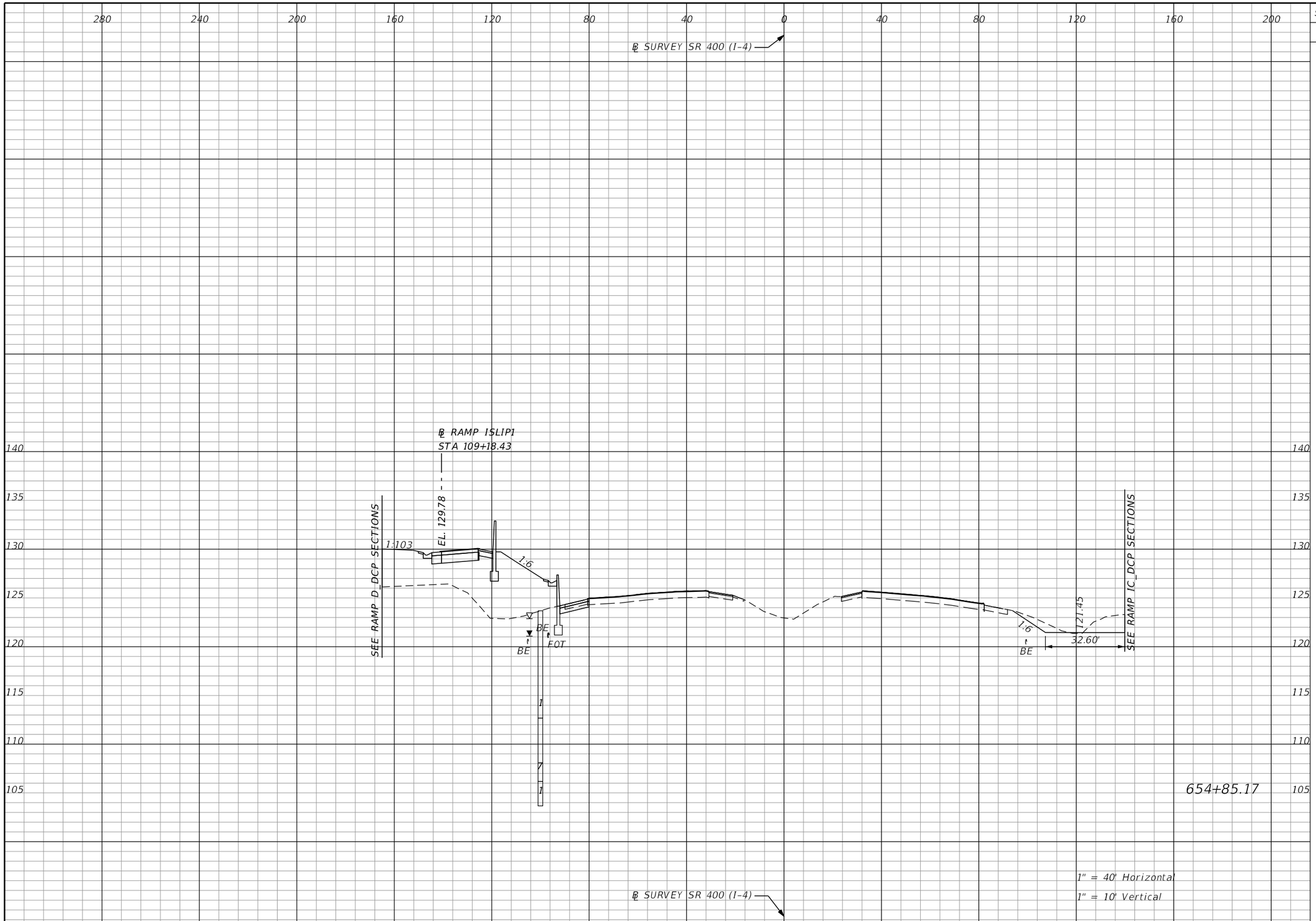
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 390



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	44.1	187.0	278.7	891.2

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

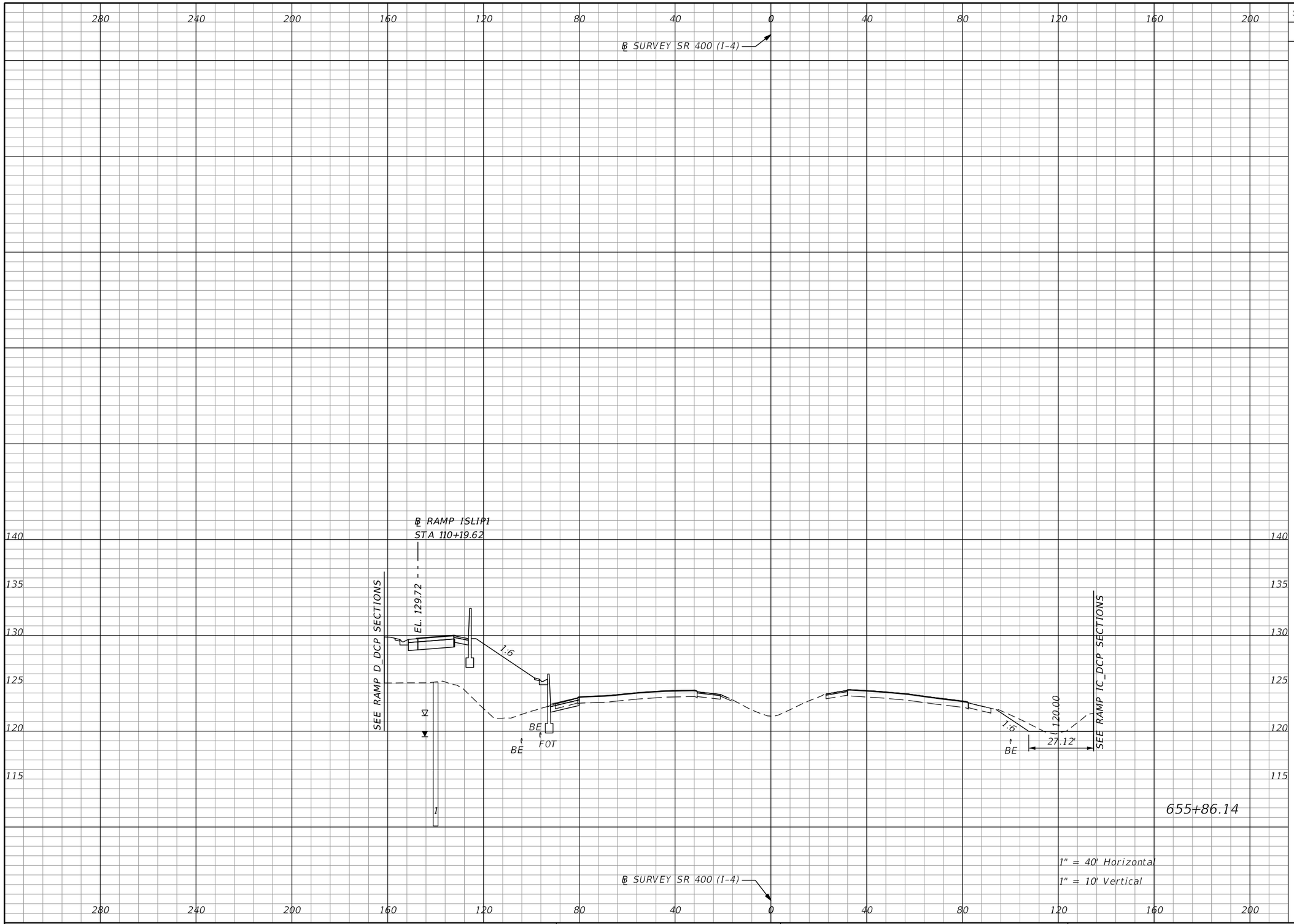
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 391

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:59:57 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	30.4	139.4	311.0	1102.6

1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

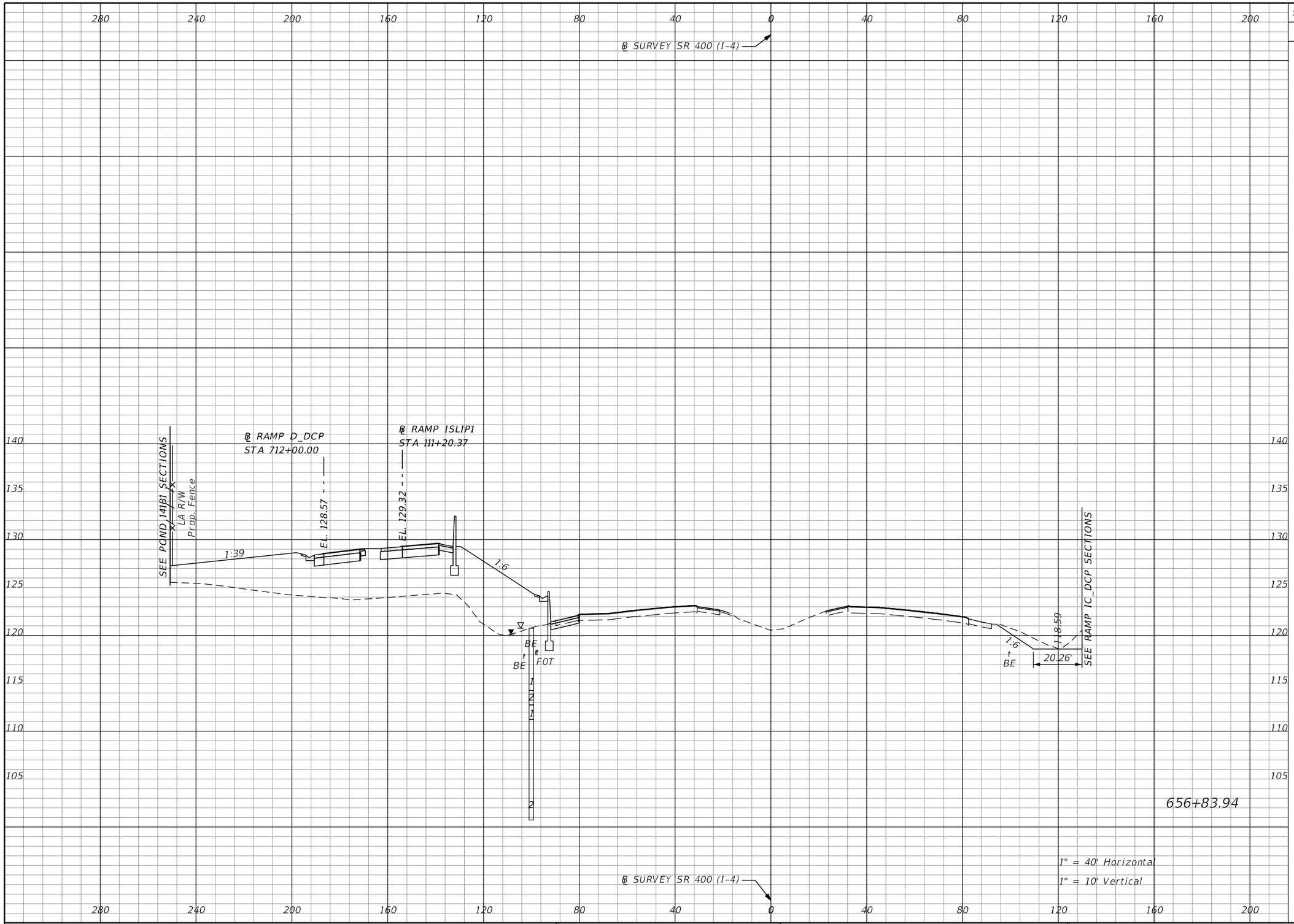
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 392



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	33.8	116.3	625.7	1696.6

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

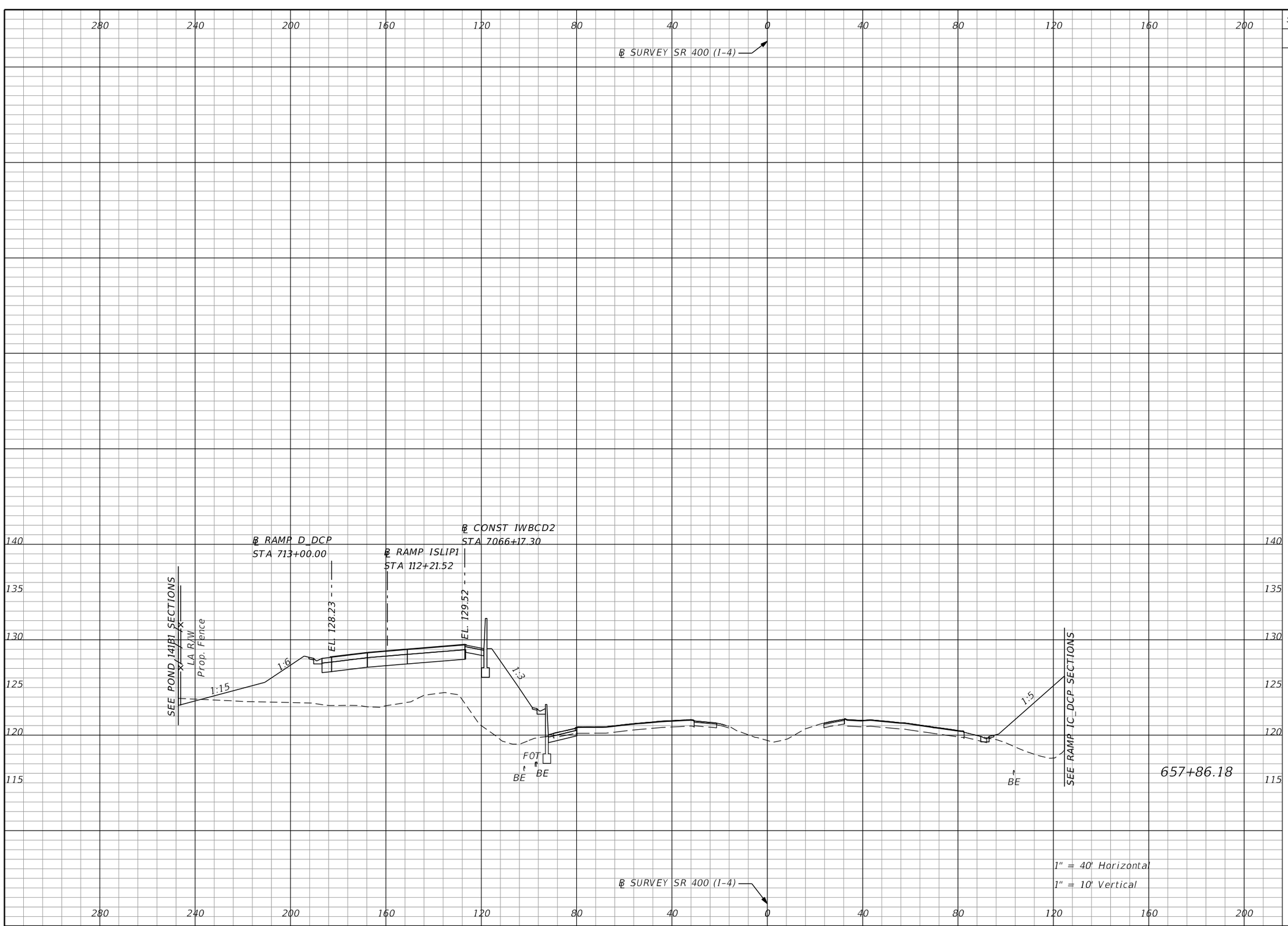
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 393

robert.martini 8/22/2019 1:59:59 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	15.1	92.5	683.4	2478.6

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

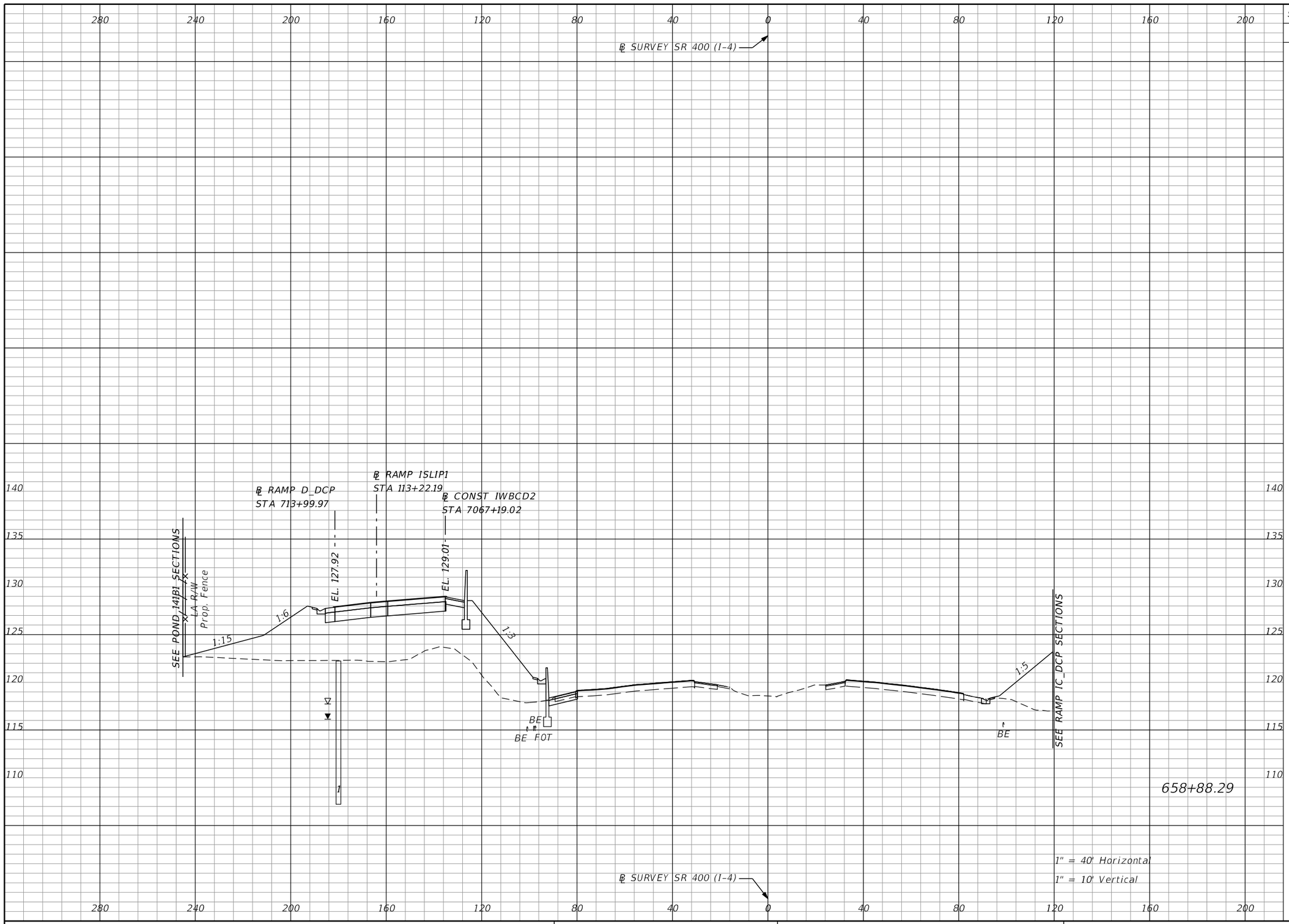
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 394



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	11.4	50.1	652.3	2525.6

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

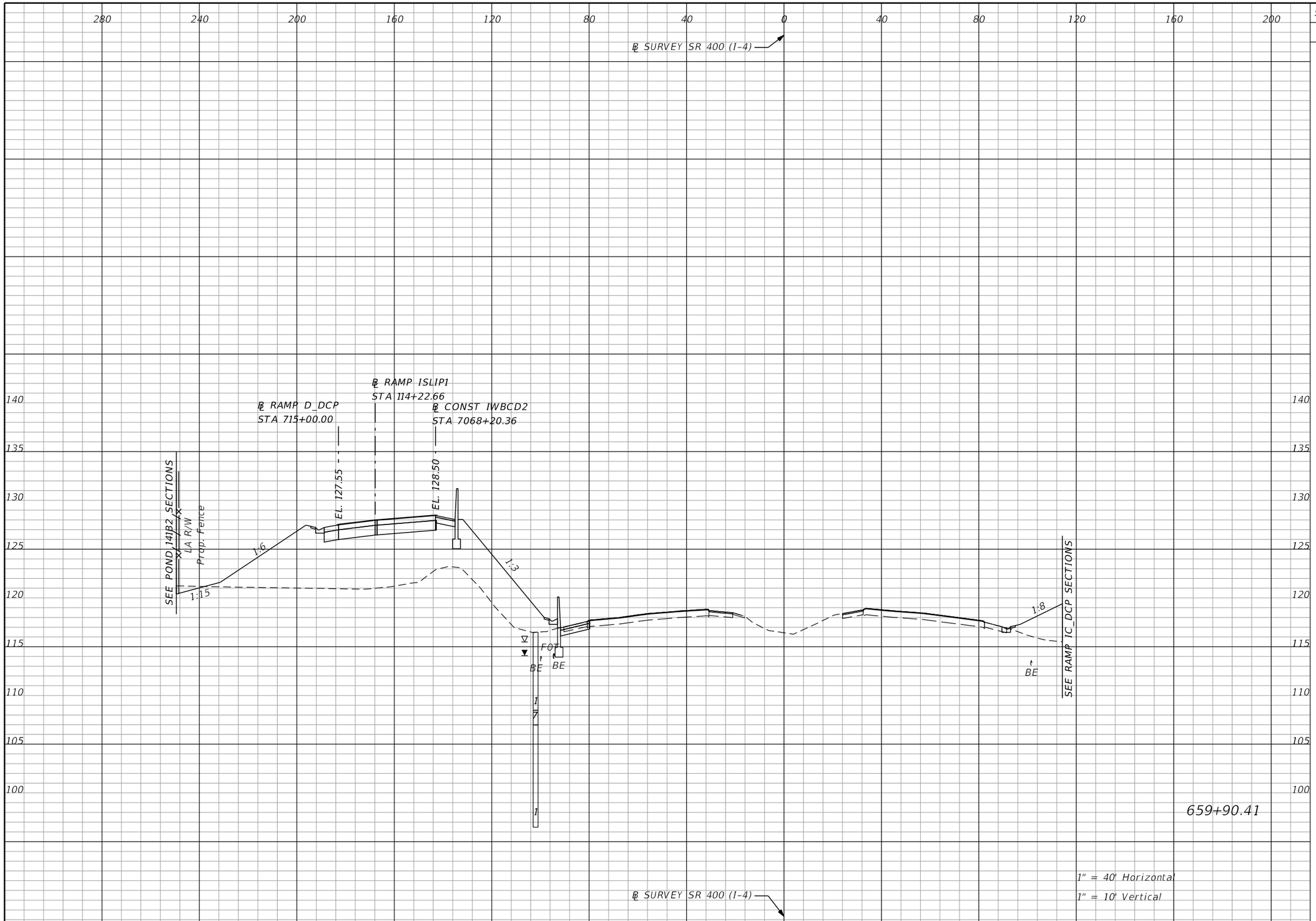
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 395



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	16.5	52.9	642.4	2448.2

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

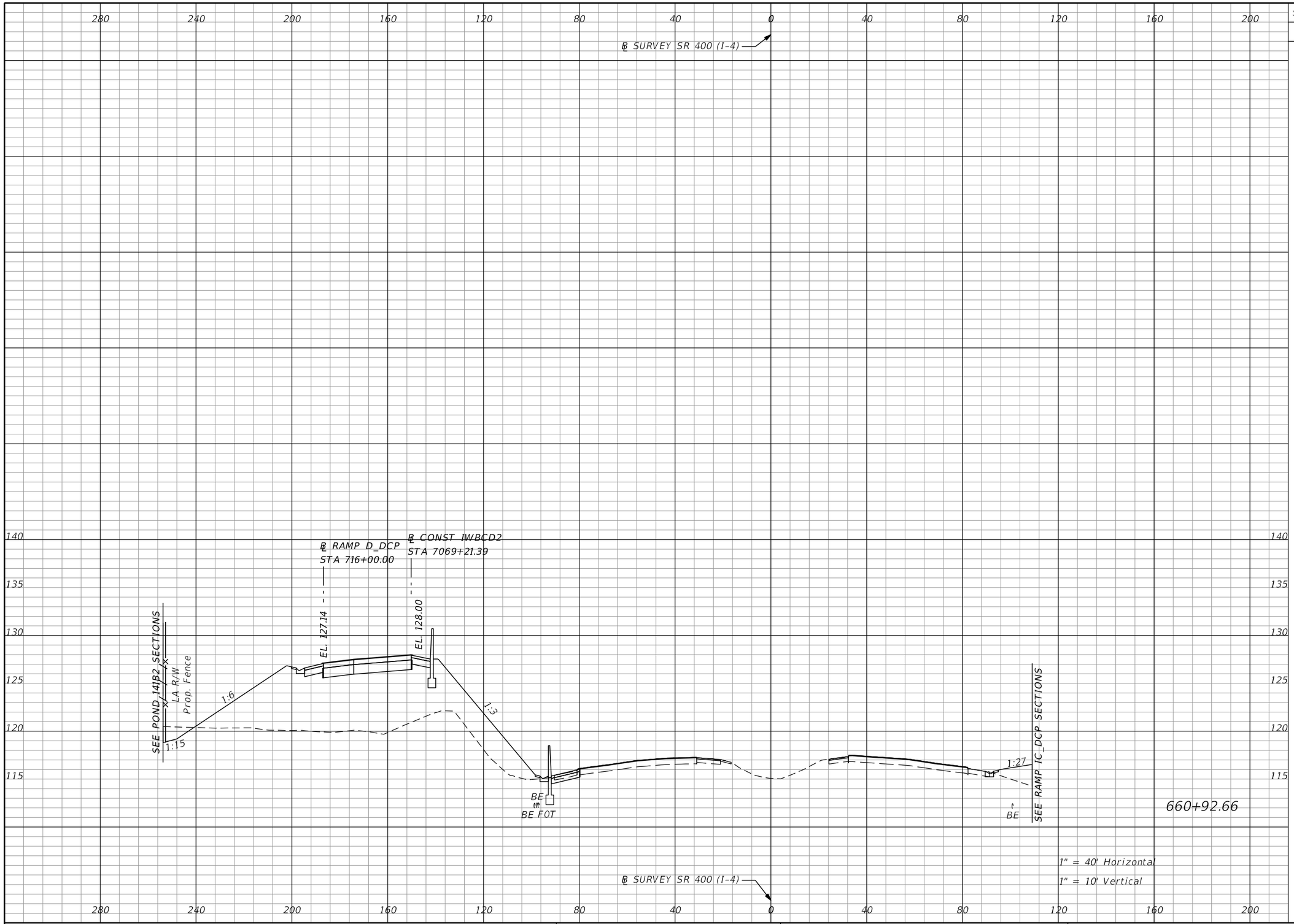
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 396

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 2:00:02 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	25.4	79.5	653.0	2453.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

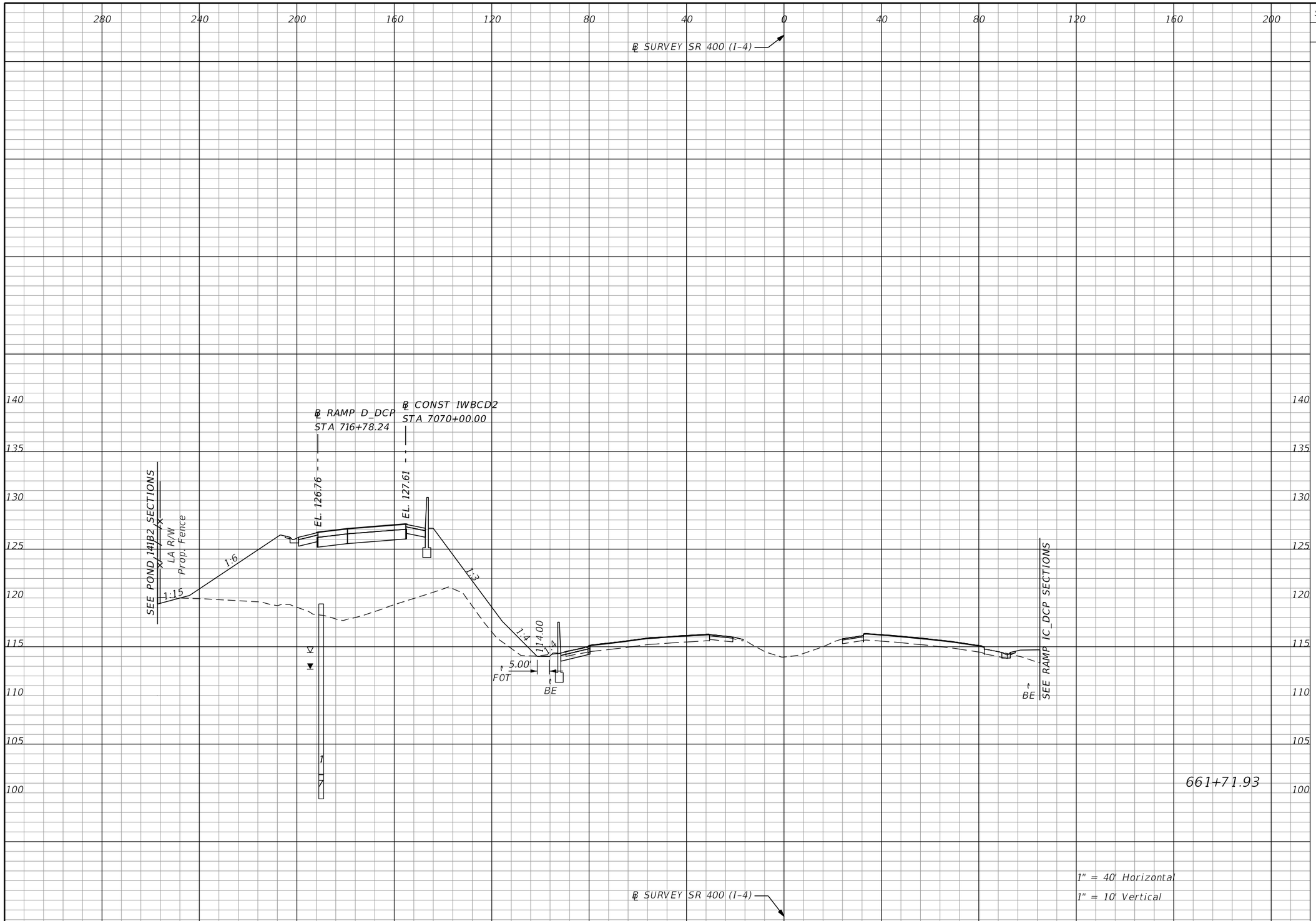
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 397



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	15.4	59.9	692.5	1975.2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

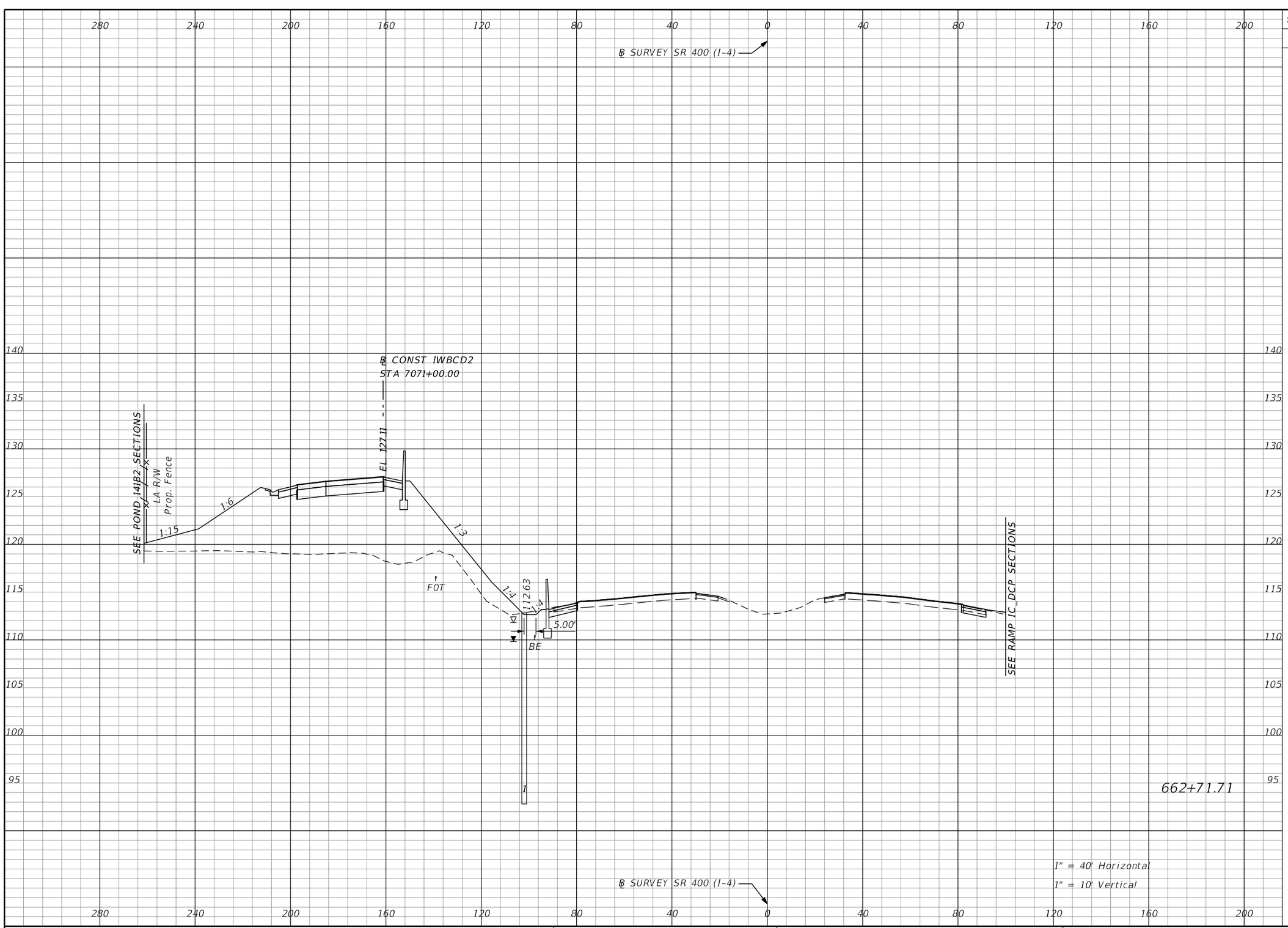
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 398

robert.martini 8/22/2019 2:00:04 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	20.1	65.6	707.0	2585.9

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

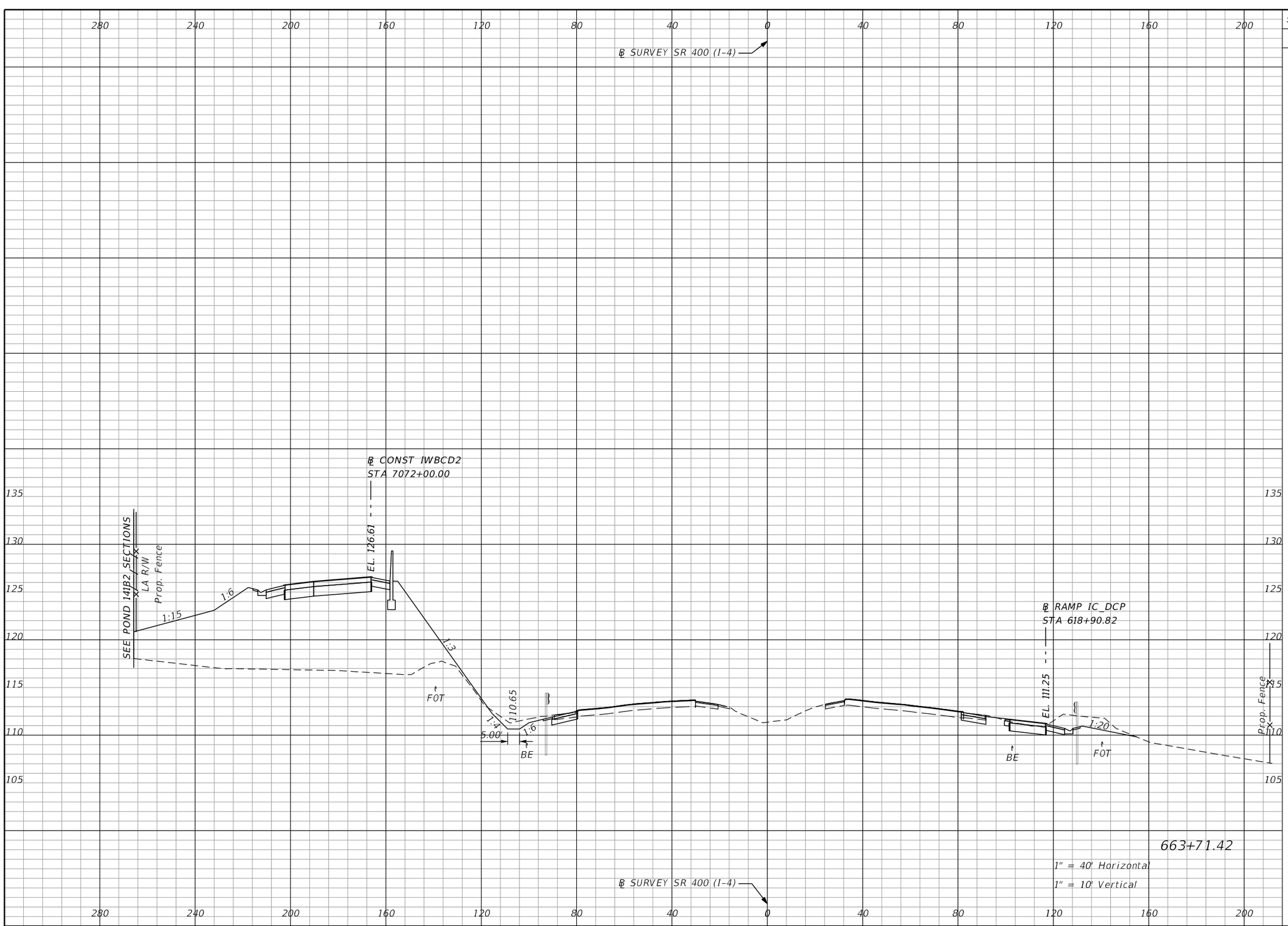
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 399



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	86.6	197.0	876.8	2924.4

663+71.42

1" = 40' Horizontal

1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 400

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 2:00:06 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN

280 240 200 160 120 80 40 0 40 80 120 160 200

℄ SURVEY SR 400 (I-4)

℄ CONST IWBCD2
STA 7073+00.00

135 130 125 120 115 110 105

SEE POND 141B2 SECTIONS

LA R/W

Prop. Fence

1:15 1:6 1:3 1:4 1:6 1:20

EL. 126.11

EL. 109.79

FOT

BE

12.00'

℄ RAMP IC_DCP
STA 619+89.85

EL. 110.41

BE

GNE

FOT

Prop. Fence

LA R/W

664+71.06

1" = 40' Horizontal
1" = 10' Vertical

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	117.3	376.3	1170.3	3777.2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

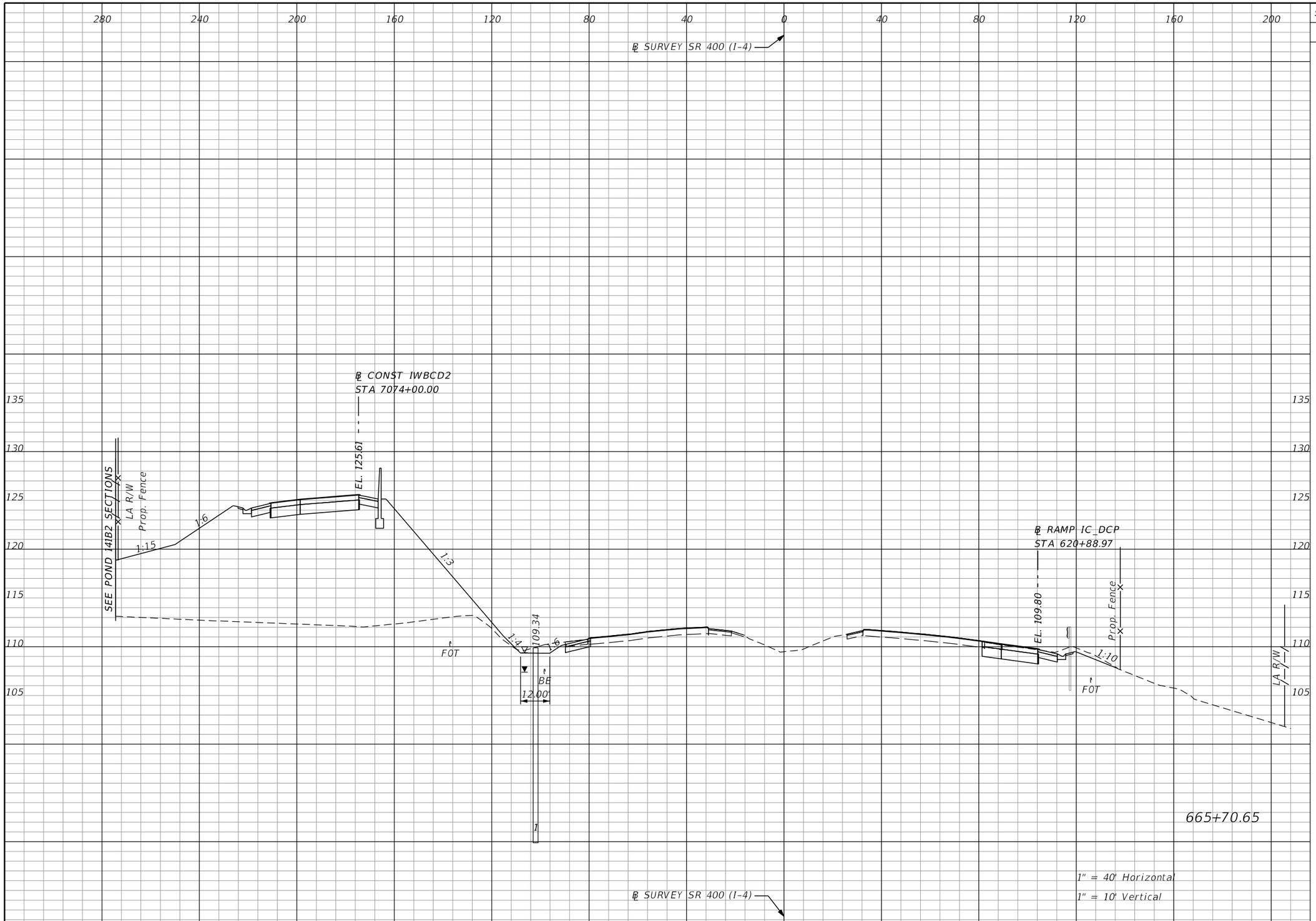
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 401

robert.martini 8/22/2019 2:00:07 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	72.5	350.0	1384.3	4711.3

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 402

robert.martini 8/22/2019 2:00:08 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	55.3	235.5	1596.8	5495.3

℄ SURVEY SR 400 (I-4)

℄ CONST IWBCD2
STA 7075+00.00

SEE POND 141B2 SECTIONS

LA R/W

Prop. Fence

EL. 125.11

1:6

1:15

1:4

V08.88

1:6

FOT

BE

12.00'

℄ RAMP IC_DCP
STA 621+88.16

EL. 109.36

BE

BE

FOT

GNE

1:6

Exist. Fence

LA R/W

666+70.19

1" = 40' Horizontal

1" = 10' Vertical

℄ SURVEY SR 400 (I-4)

280 240 200 160 120 80 40 0 40 80 120 160 200

135 130 125 120 115 110 105

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

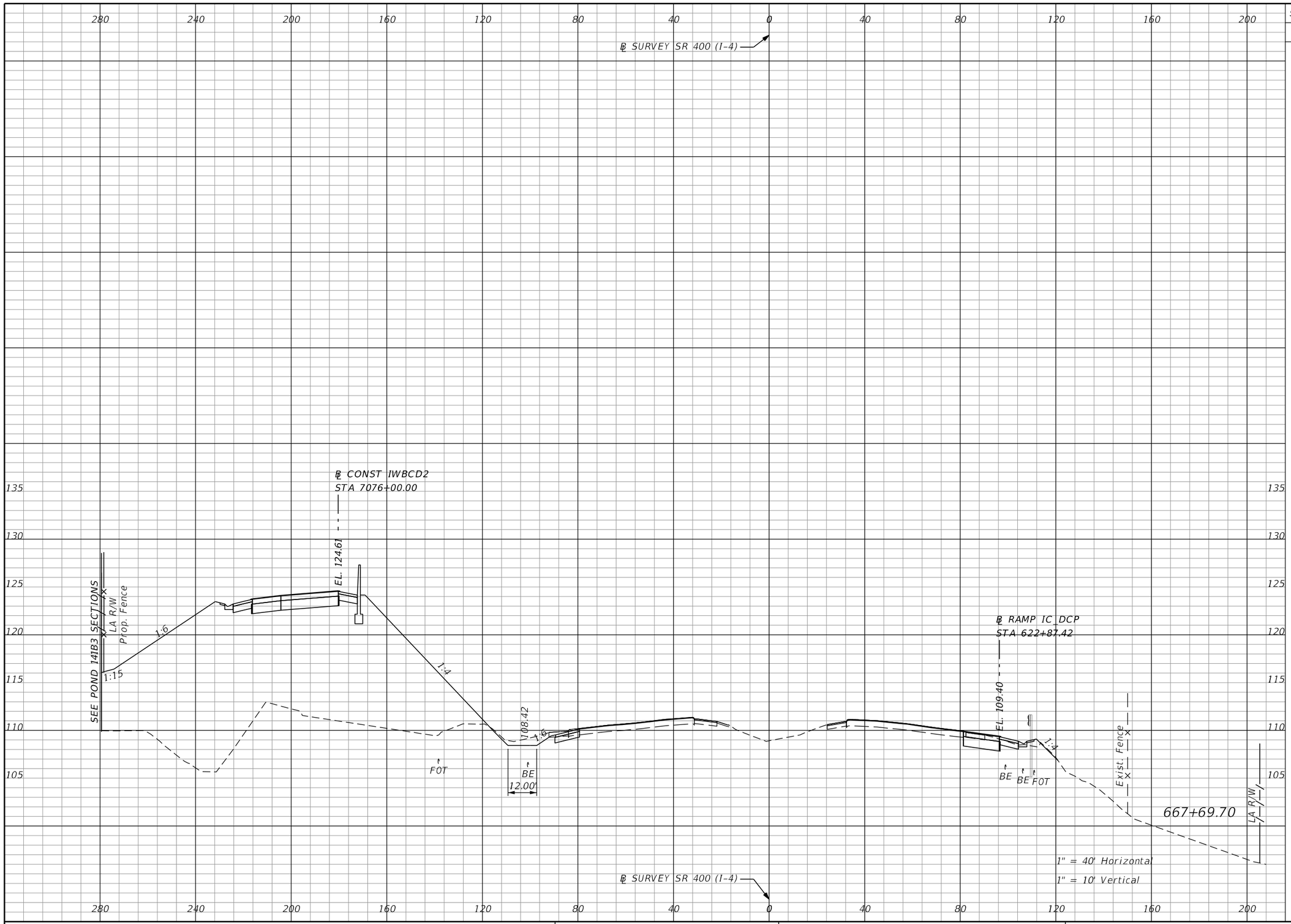
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 403

robert.martini 8/22/2019 2:00:09 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	51.3	196.5	1658.1	5998.1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

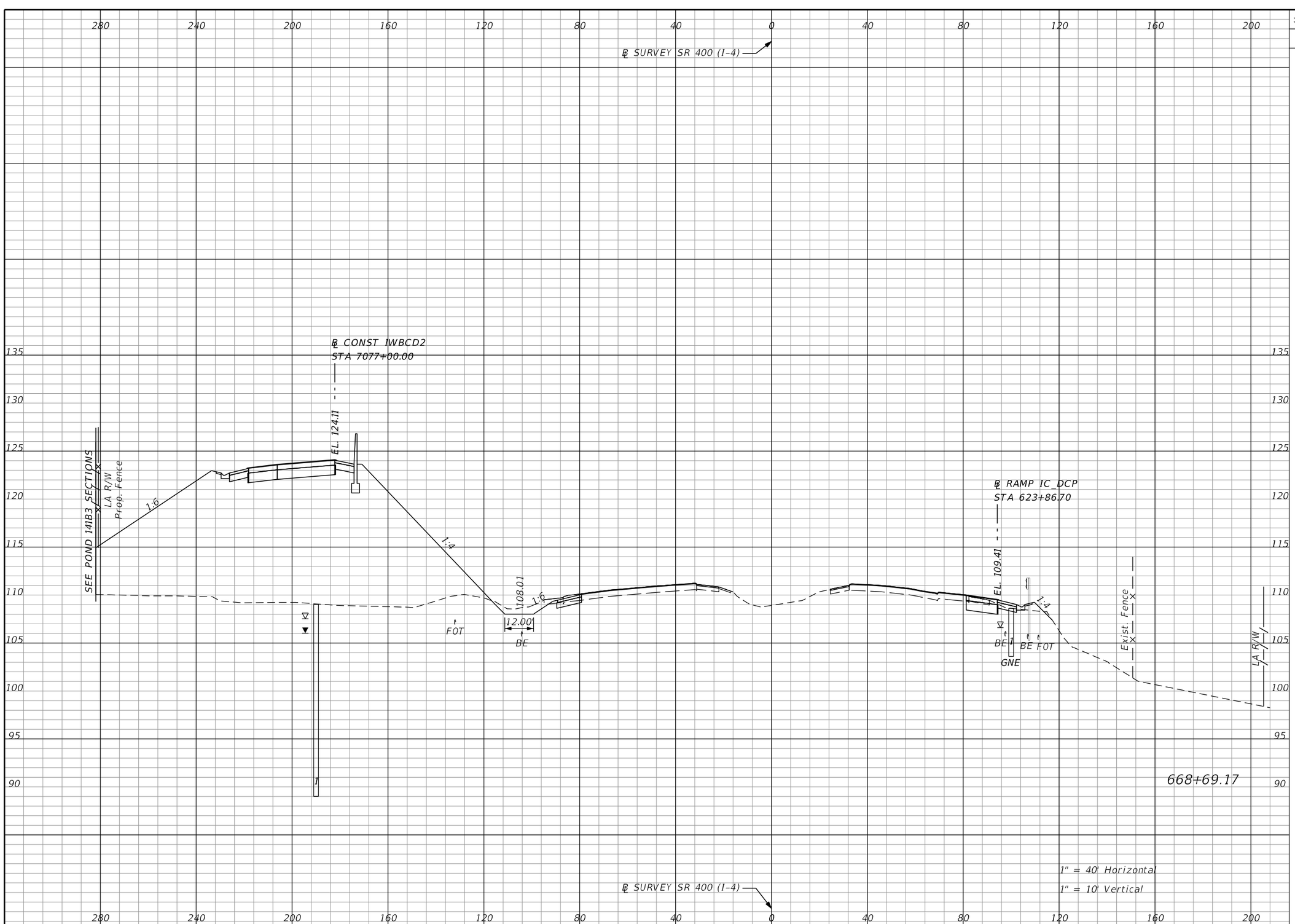
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 404



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	47.4	181.9	1654.3	6101.4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

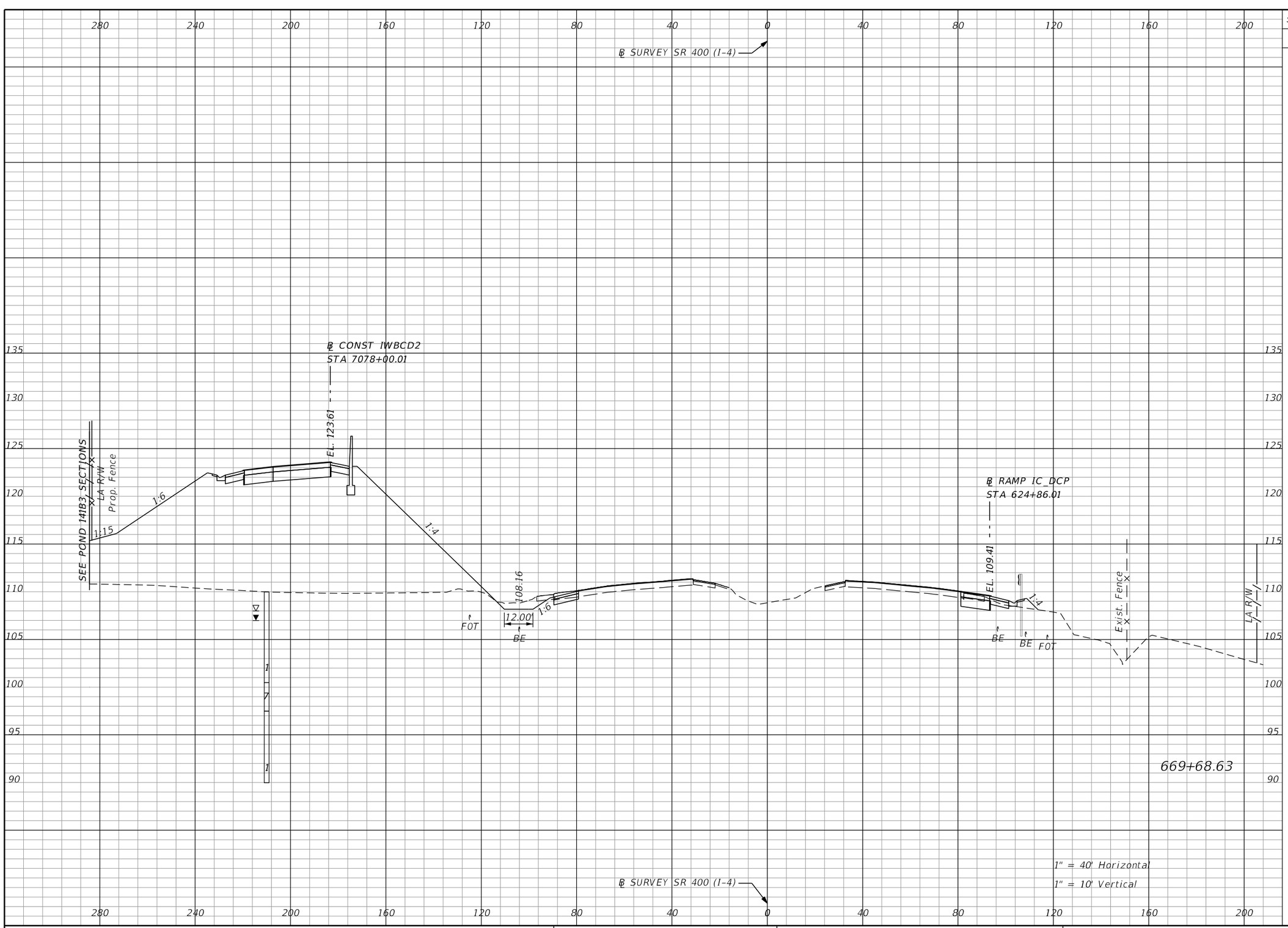
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 405

robert.martini 8/22/2019 2:00:11 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	46.7	173.3	1492.7	5796.2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

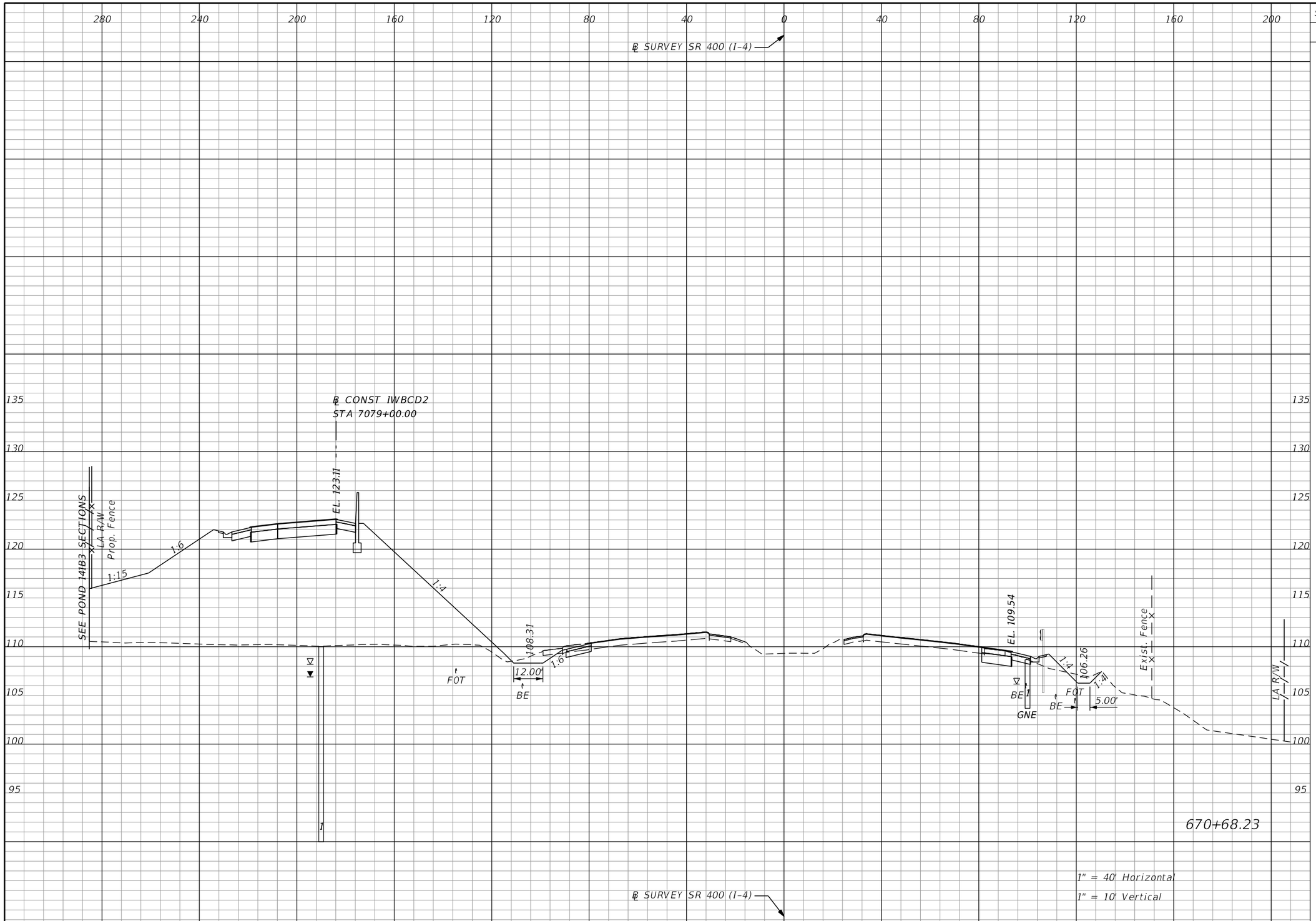
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 406



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	54.7	186.9	1444.4	5417.3

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

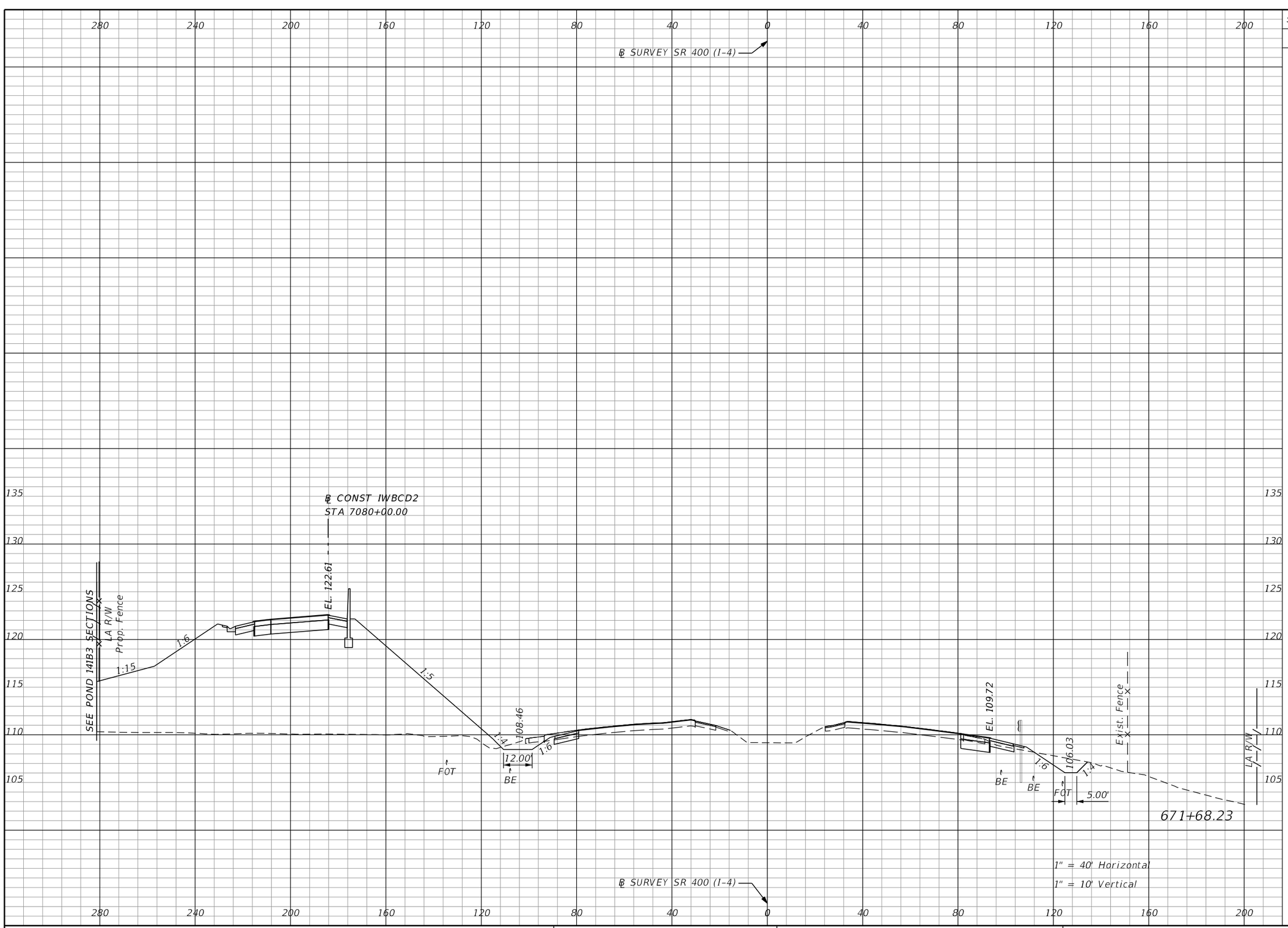
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 407

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 2:00:13 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	66.7	224.8	1364.9	5202.4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

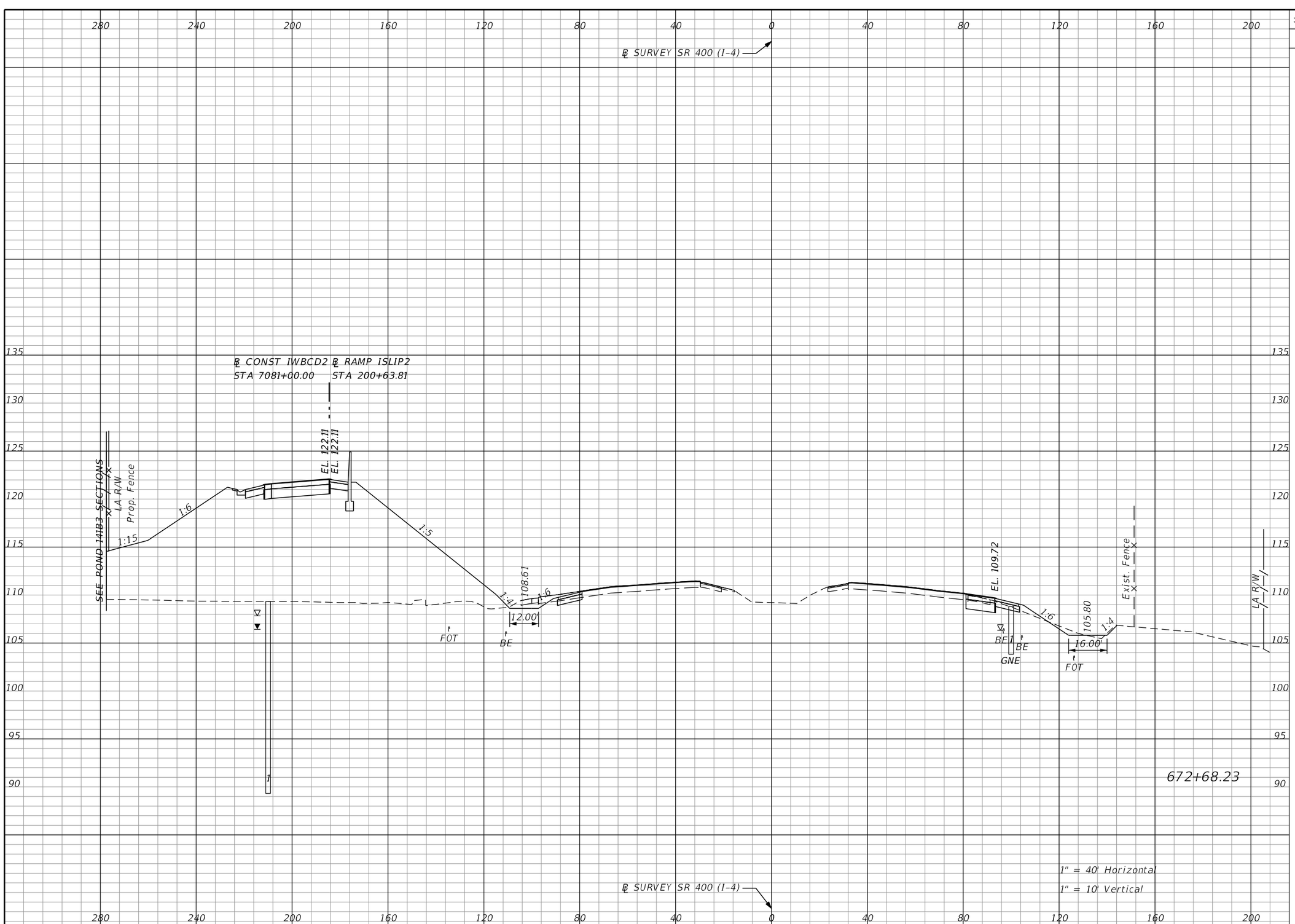
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 408

robert.martini 8/22/2019 2:00:14 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	50.7	217.5	1400.4	5121.0

1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

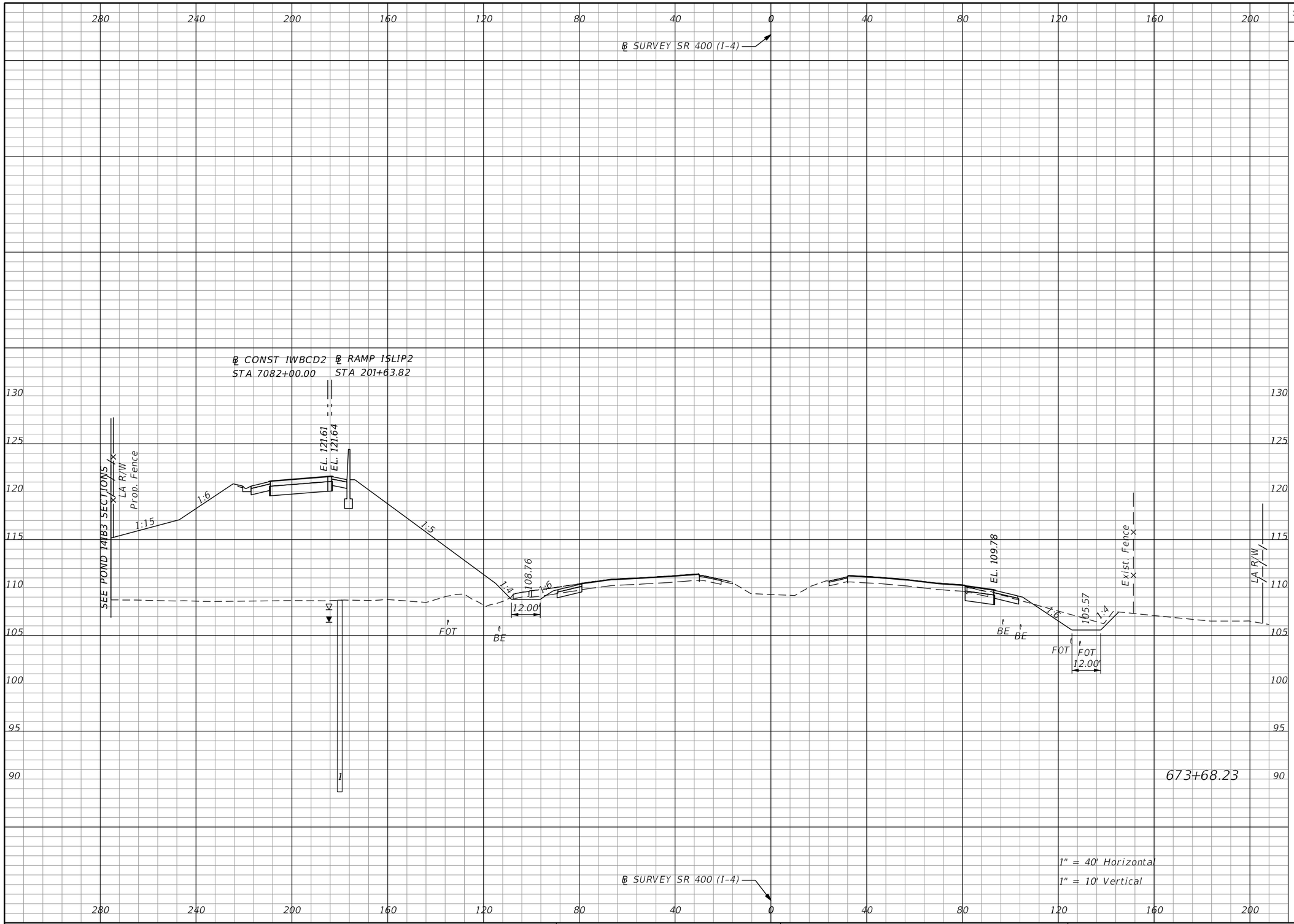
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 409

robert.martini 8/22/2019 2:00:15 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	74.9	232.6	1450.6	5279.7

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

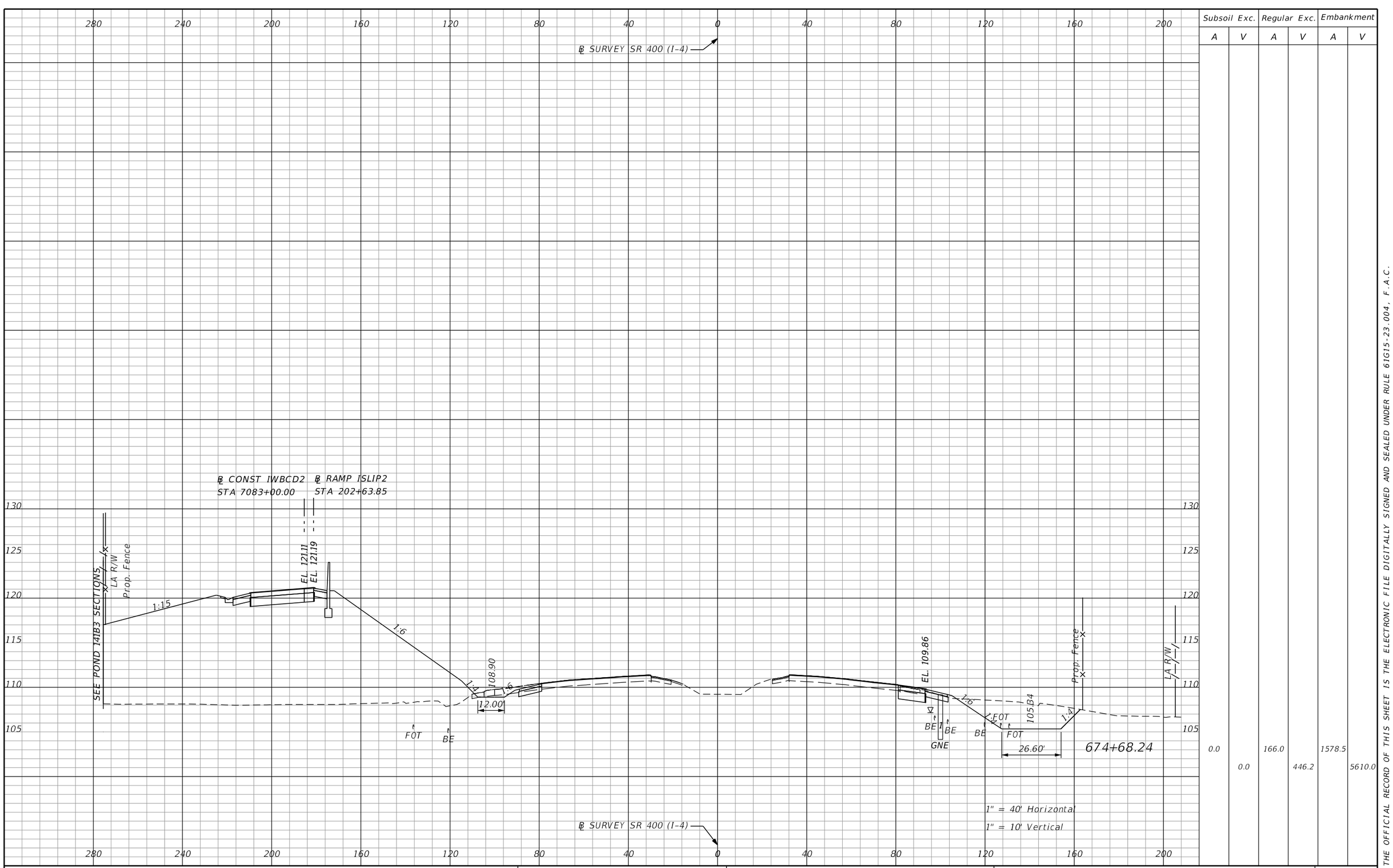
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 410

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 2:00:16 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	166.0	446.2	1578.5	5610.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

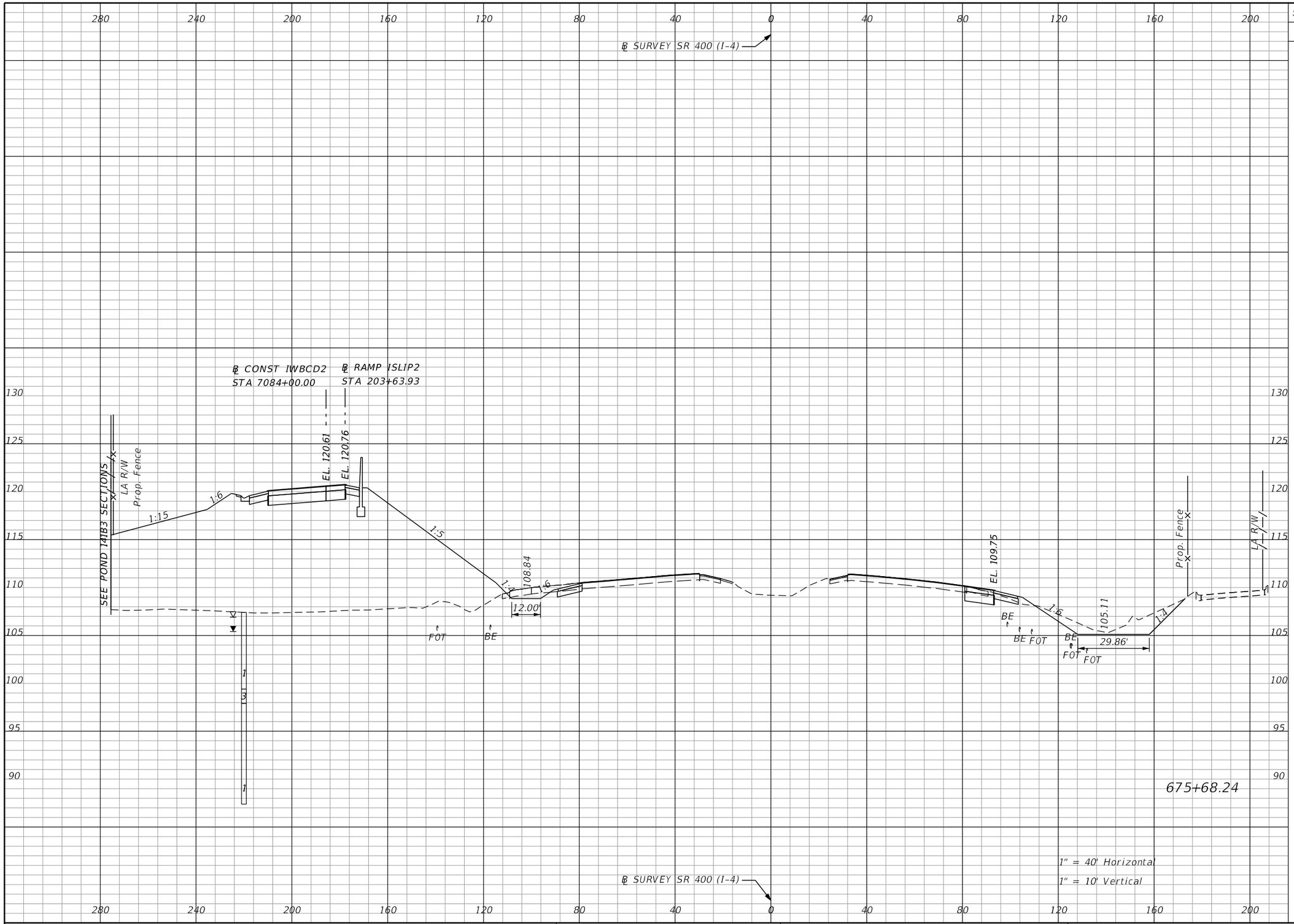
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 411



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	105.1	502.1	1544.4	5783.1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

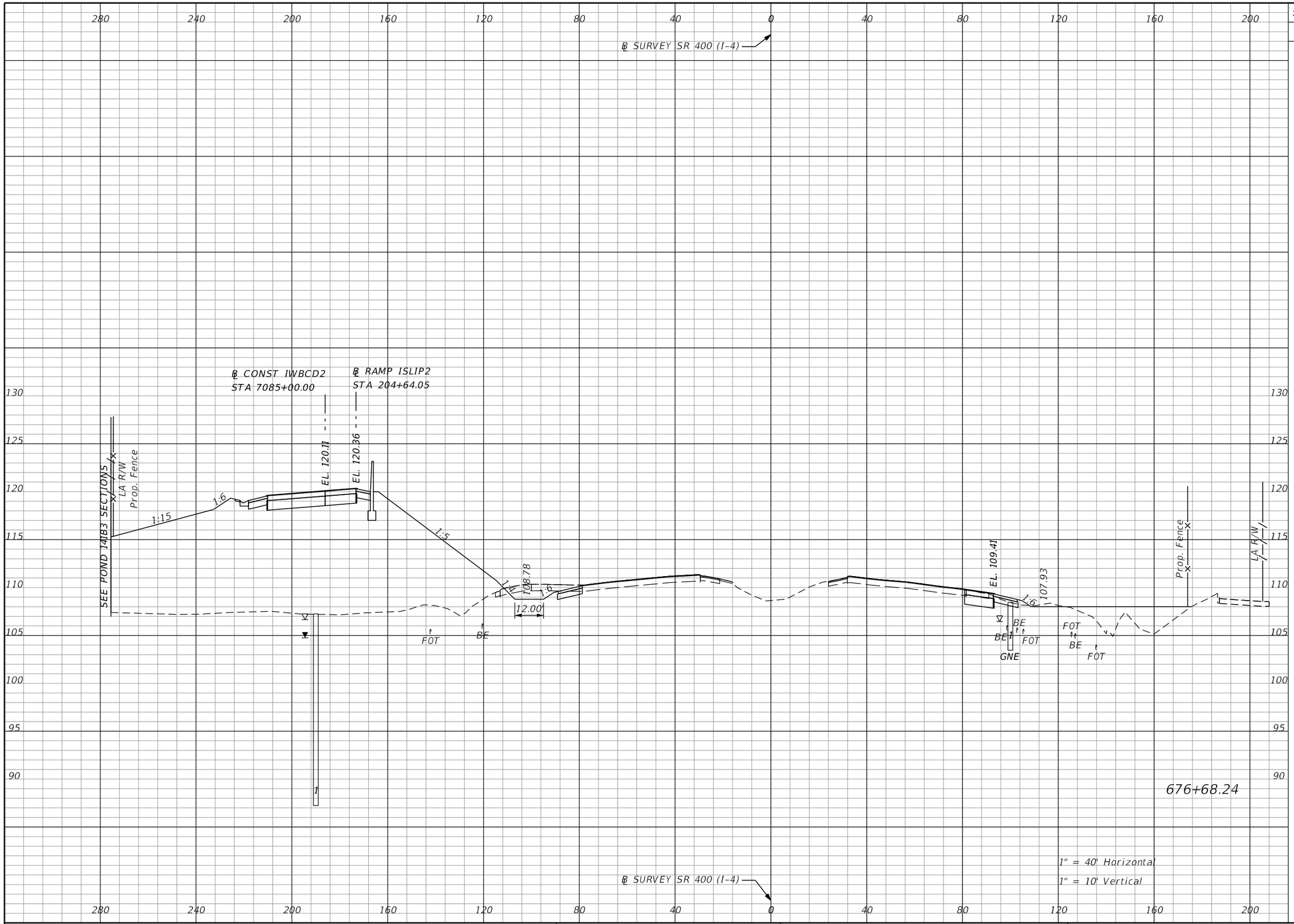
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 412

robert.martini 8/22/2019 2:00:18 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	65.1	315.2	1624.4	5868.2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 413

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	178.5	451.2	1565.5	5907.2

℄ SURVEY SR 400 (I-4)

℄ CONST IWBCD2
STA 7086+00.00

℄ RAMP ISLIP2
STA 205+64.24

EL. 119.61

EL. 119.99

EL. 109.56

SEE POND 14IB3 SECTIONS

LA R/W

Prop. Fence

1:15

1:6

1:5

1:4

108.72

12.00

104.10

28.04'

FOT

BE

677+68.24

1" = 40' Horizontal

1" = 10' Vertical

280 240 200 160 120 80 40 0 40 80 120 160 200

130 125 120 115 110 105

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

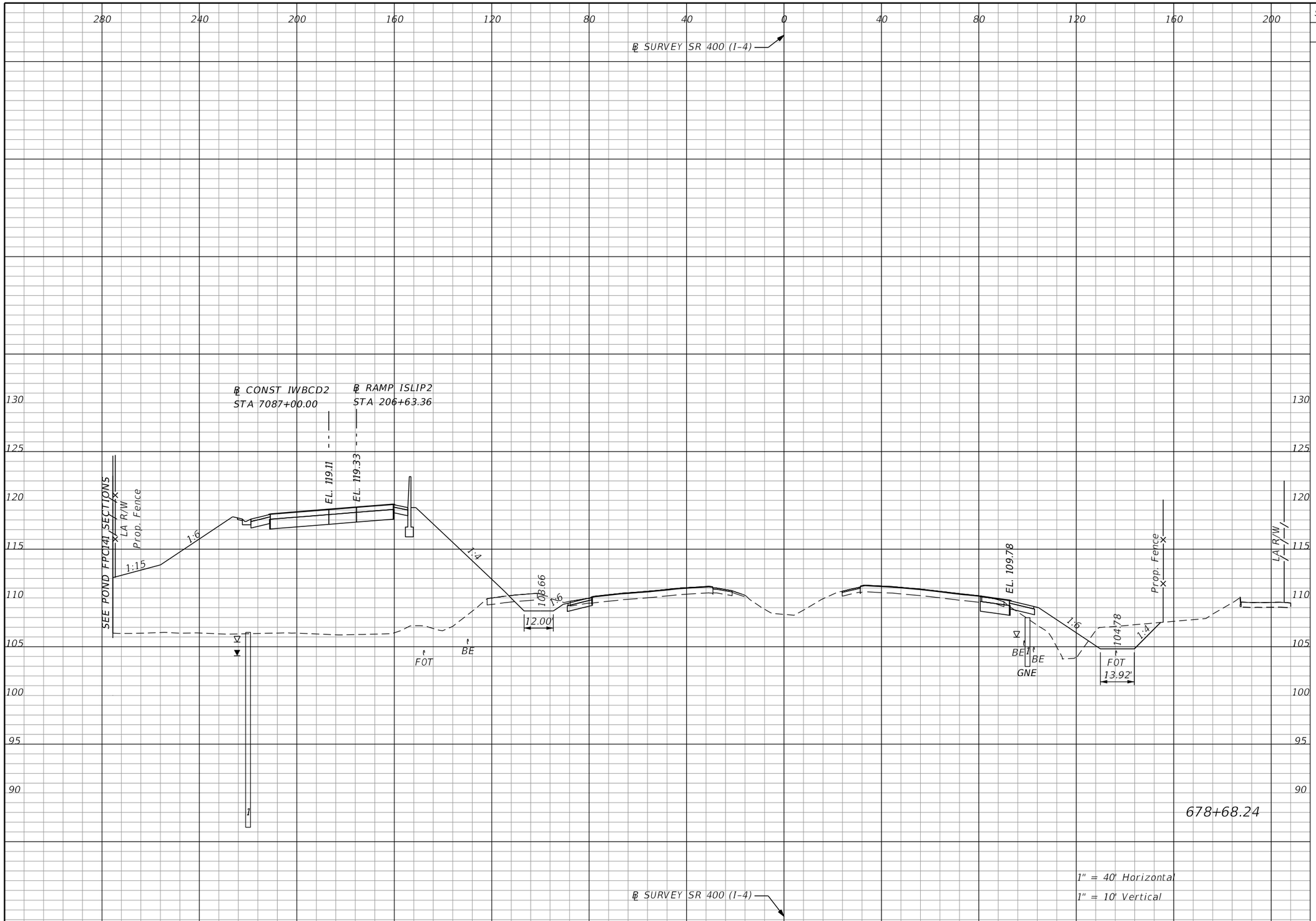
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 414

robert.martini 8/22/2019 2:00:20 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	106.1	527.1	1555.9	5780.4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

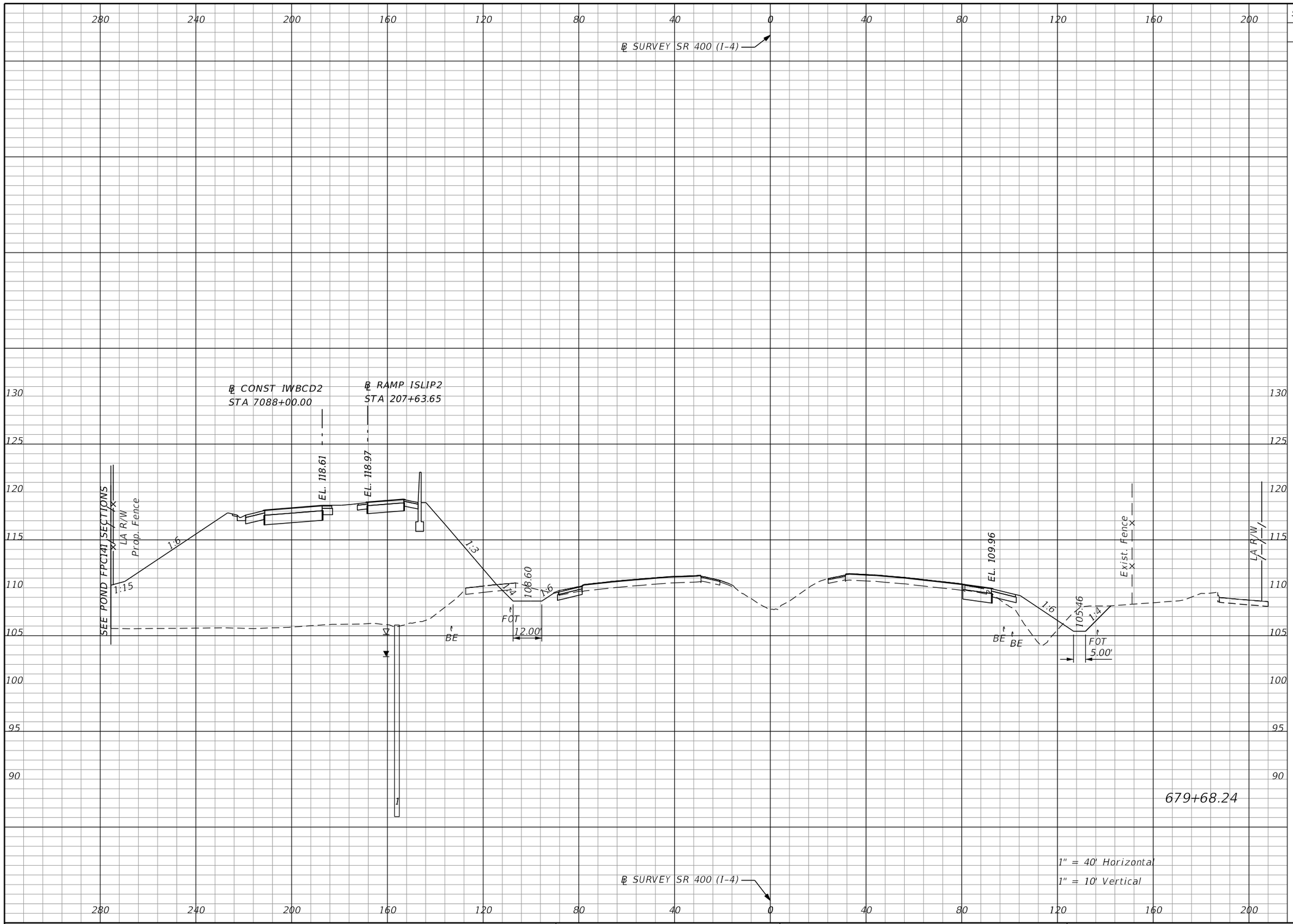
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 415

robert.martini 8/22/2019 2:00:21 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	84.6	353.2	1562.3	5774.4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

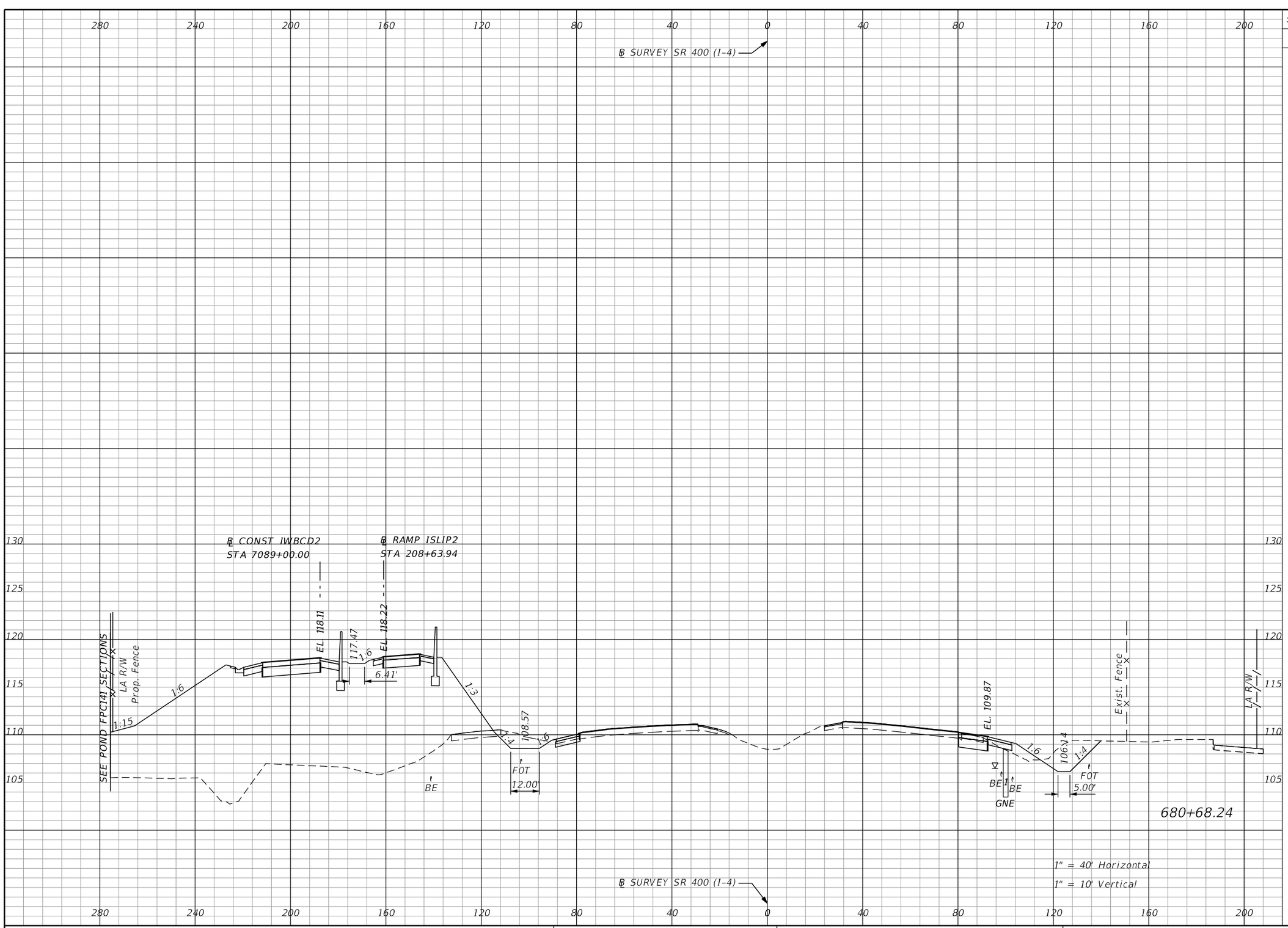
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 416



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	94.7	332.1	1448.8	5576.1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

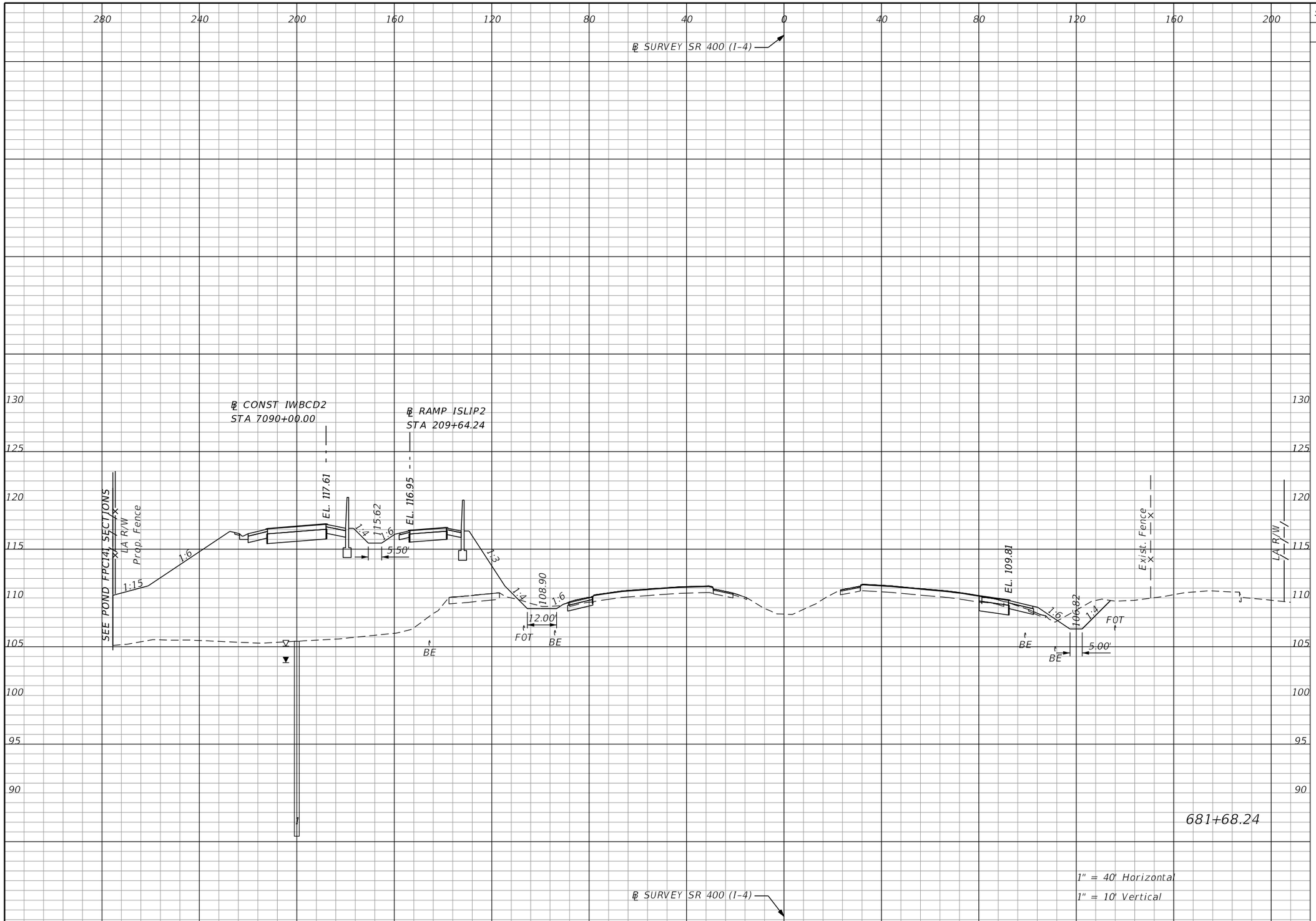
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 417

robert.martini 8/22/2019 2:00:23 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	66.2	297.9	1347.3	5177.9

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

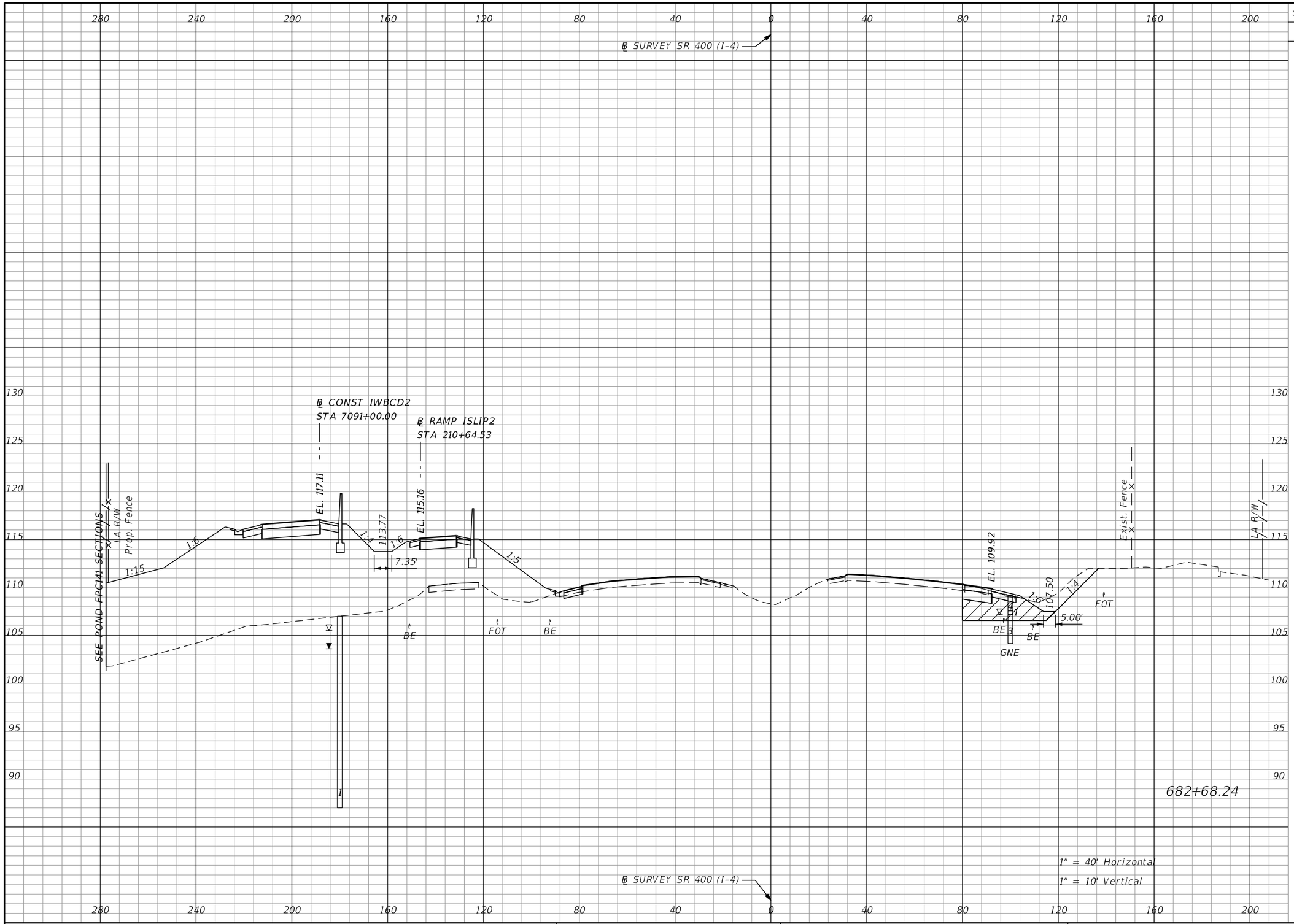
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 418

robert.martini 8/22/2019 2:00:25 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
70.1	129.9	65.1	243.1	1401.5	5090.4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

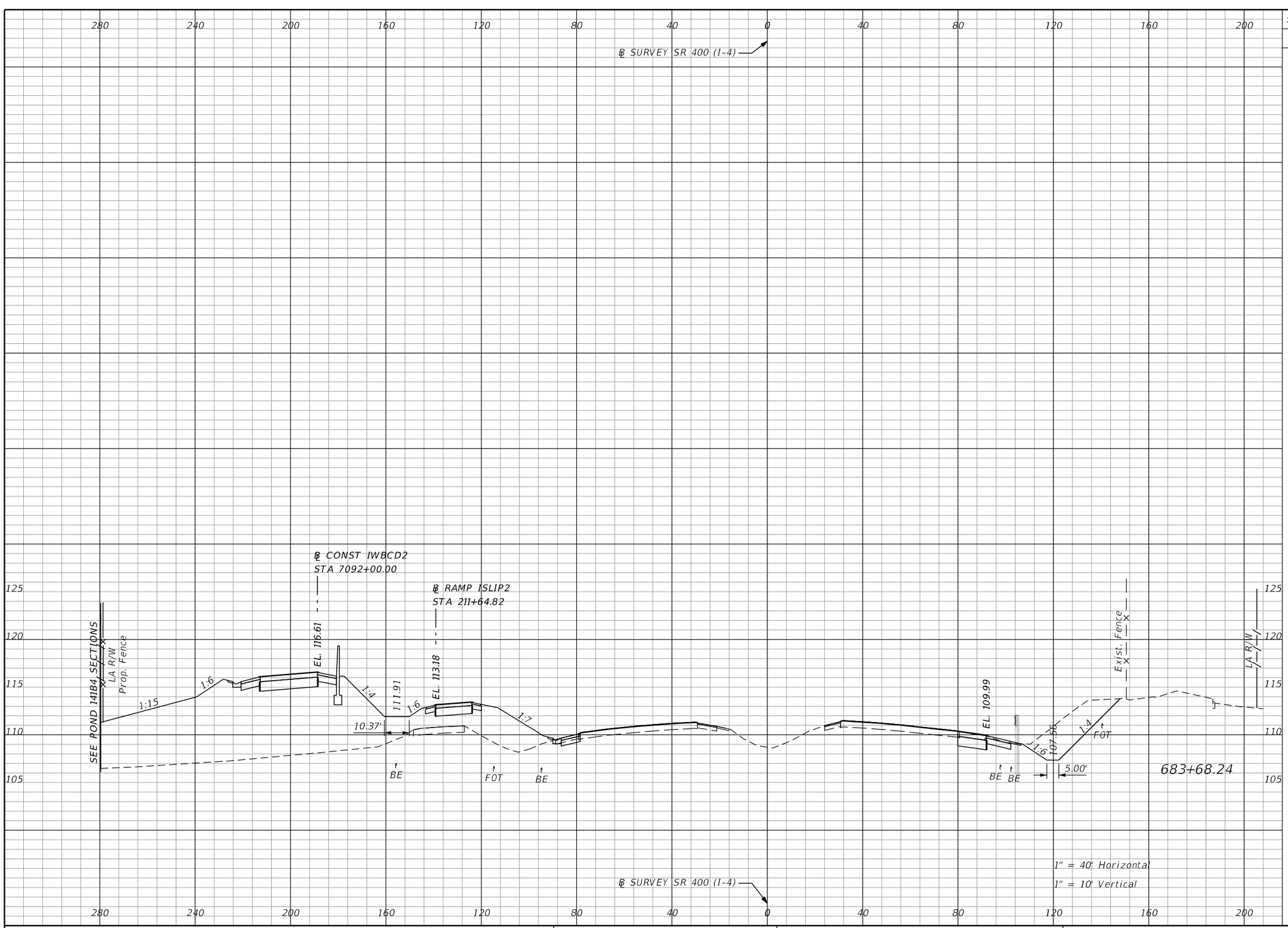
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 419

robert.martini 8/22/2019 2:00:26 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		130.4		932.1	
	129.9		362.0		4321.6

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

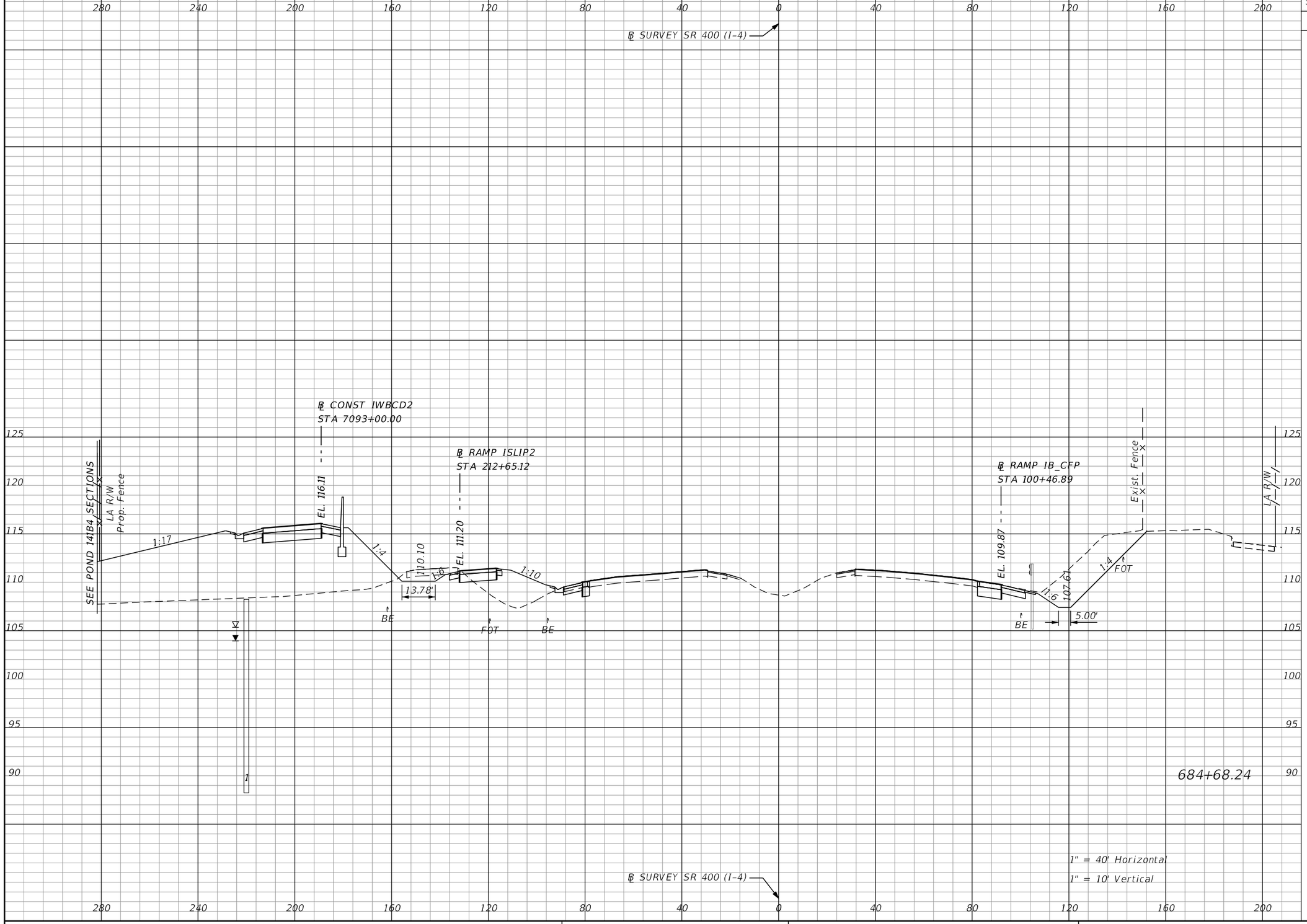
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 420

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	188.8	591.1	739.7	3095.9

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

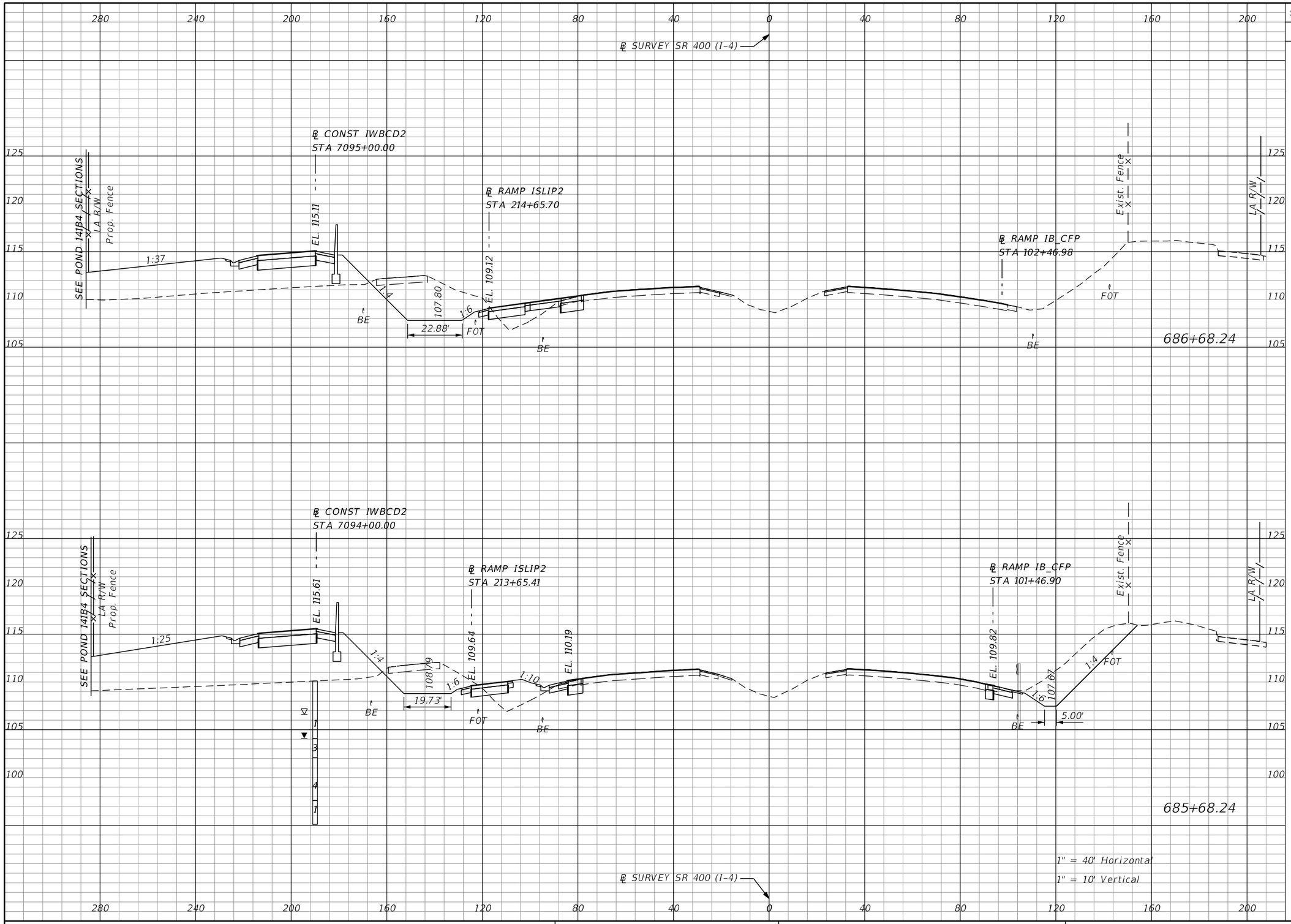
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 421



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	170.9	771.8	340.9	1603.5
0.0	0.0	245.9	805.0	525.0	2342.1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

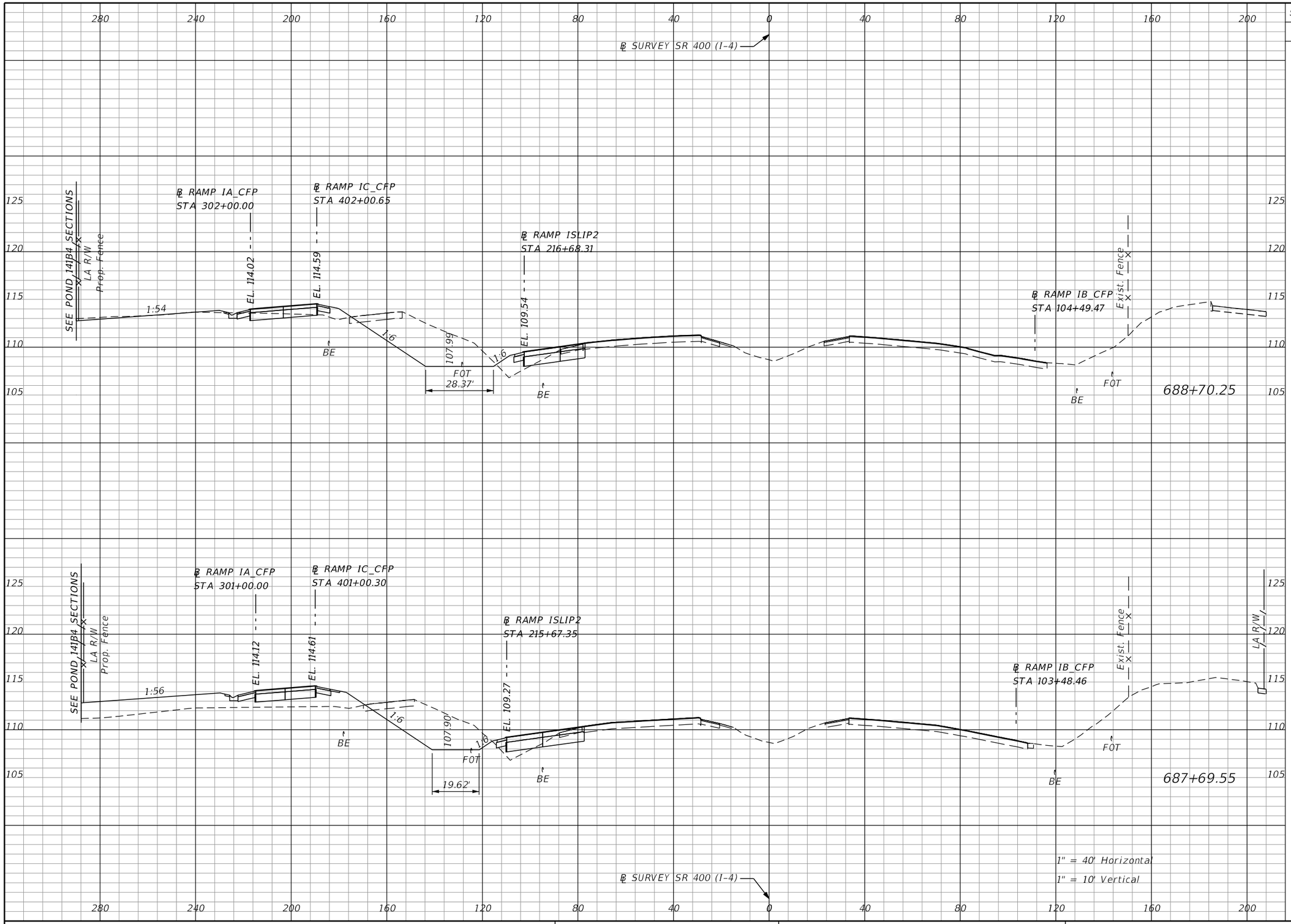
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 422



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	210.7	699.5	27.0	342.1
0.0	0.0	164.4	629.1	156.5	933.1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

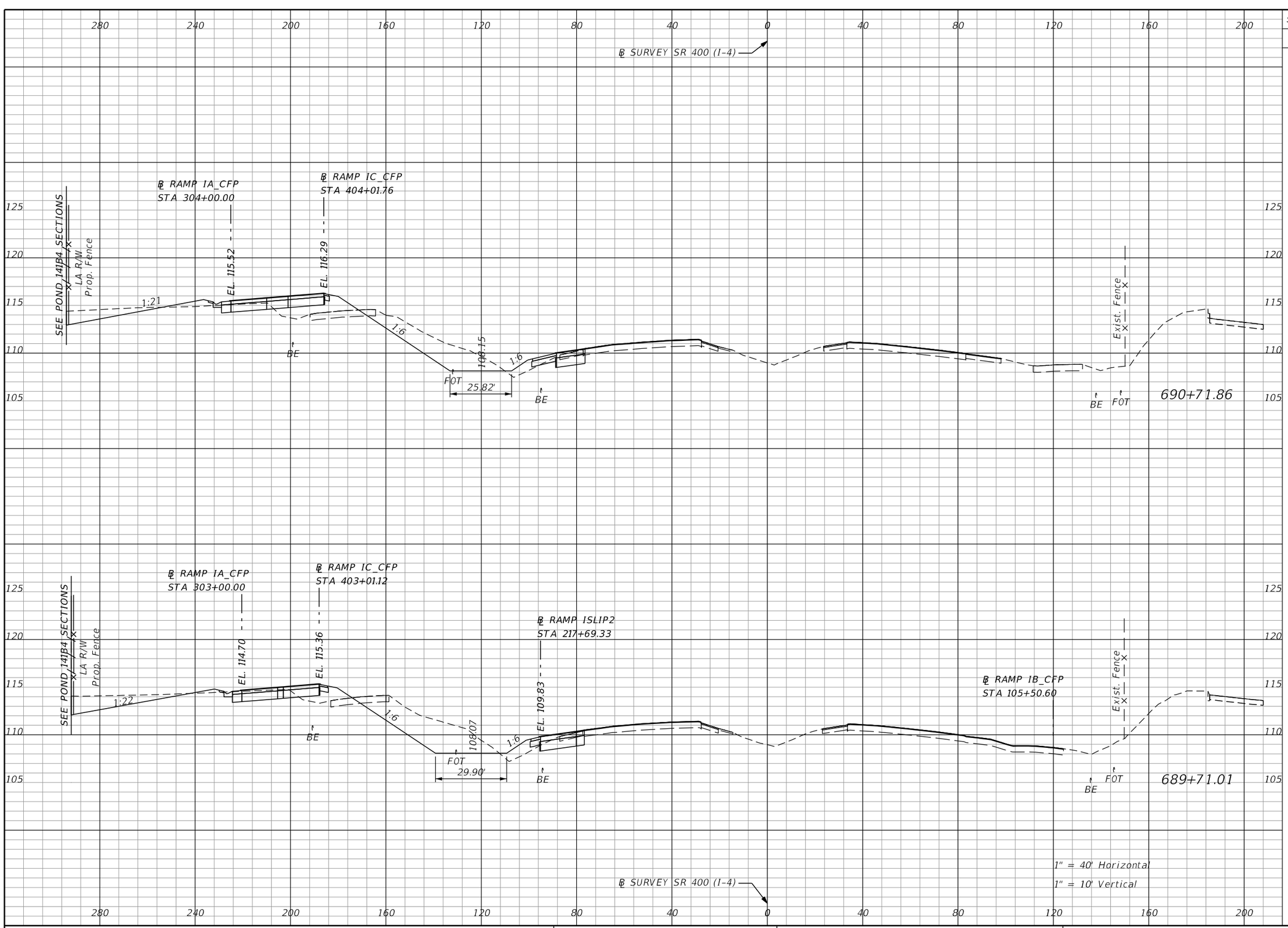
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 423

robert.martini 8/22/2019 2:00:30 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	168.7	749.9	51.9	159.8
0.0	0.0	232.8	827.7	33.7	113.2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

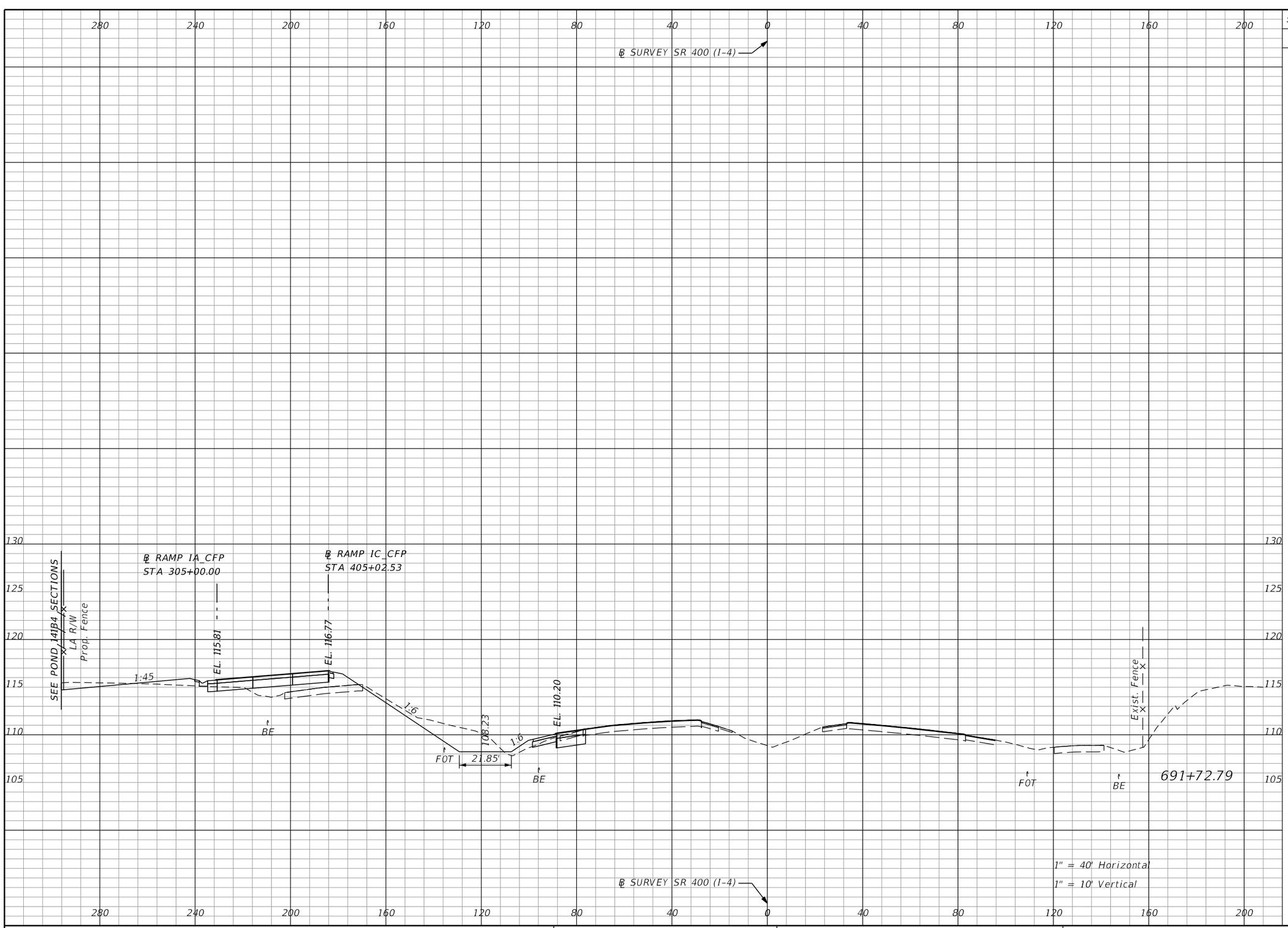
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 424



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	107.9	516.9	52.3	194.6

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

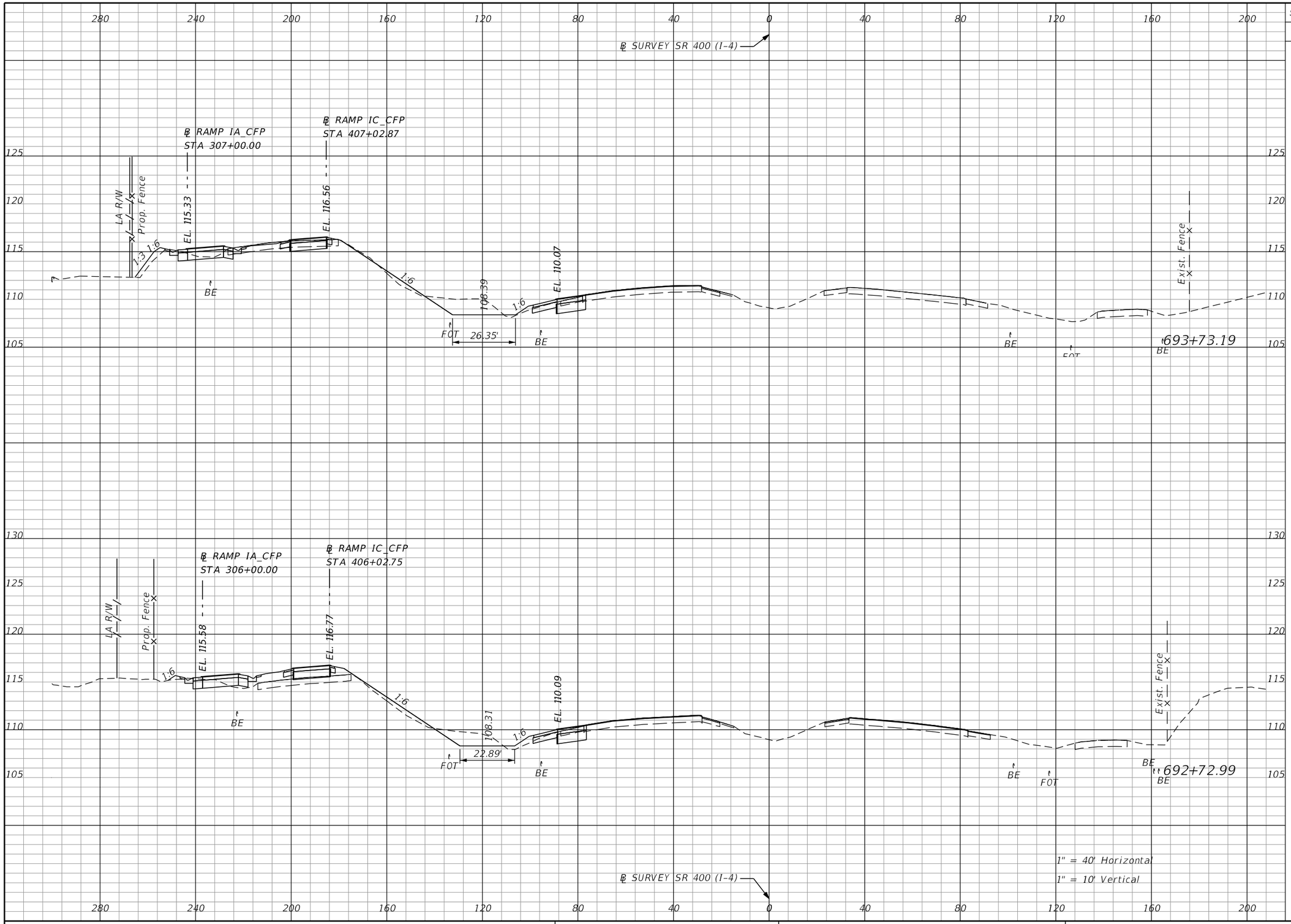
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 425



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	100.0	302.7	17.1	100.9
0.0	0.0	63.1	317.3	37.3	166.2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

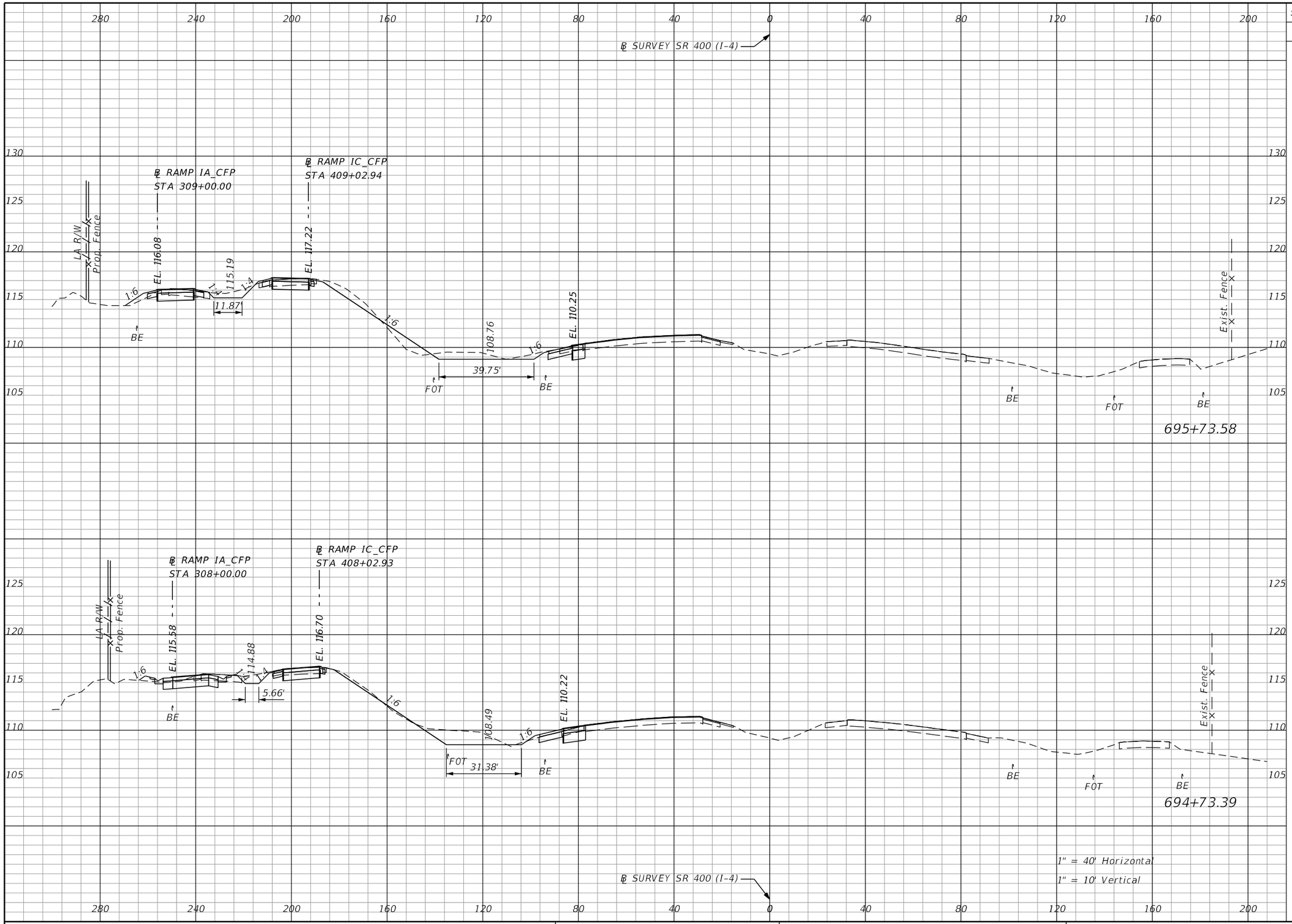
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 426

robert.martini 8/22/2019 2:00:33 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		105.5		19.1	
	0.0		415.8		45.6
0.0		118.6		5.4	
	0.0		405.7		41.8

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

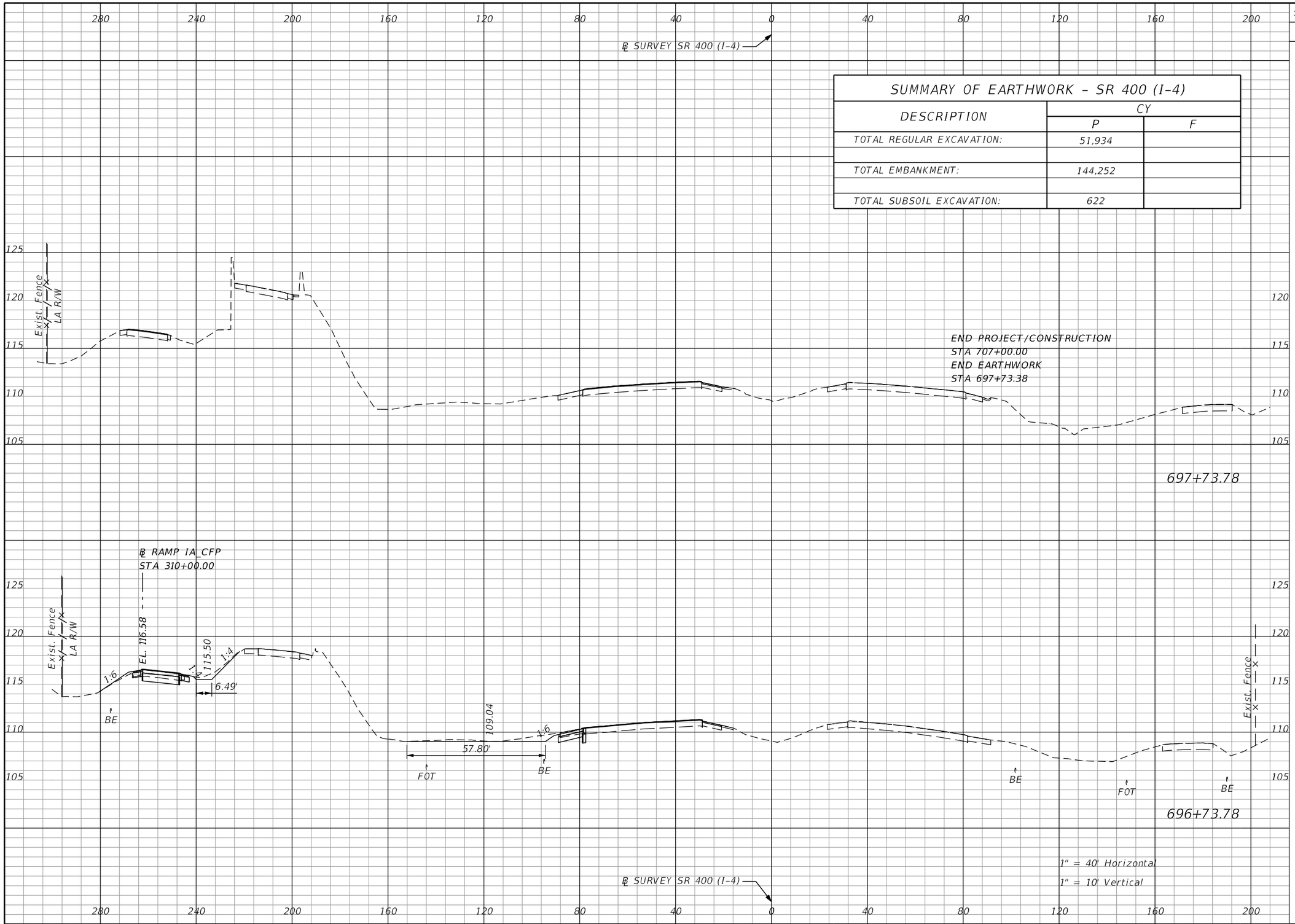
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 427



SUMMARY OF EARTHWORK – SR 400 (I-4)

DESCRIPTION	CY	
	P	F
TOTAL REGULAR EXCAVATION:	51,934	
TOTAL EMBANKMENT:	144,252	
TOTAL SUBSOIL EXCAVATION:	622	

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	0.0	95.7	0.0	3.1
0.0	0.0	51.7	291.6	1.7	38.6

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

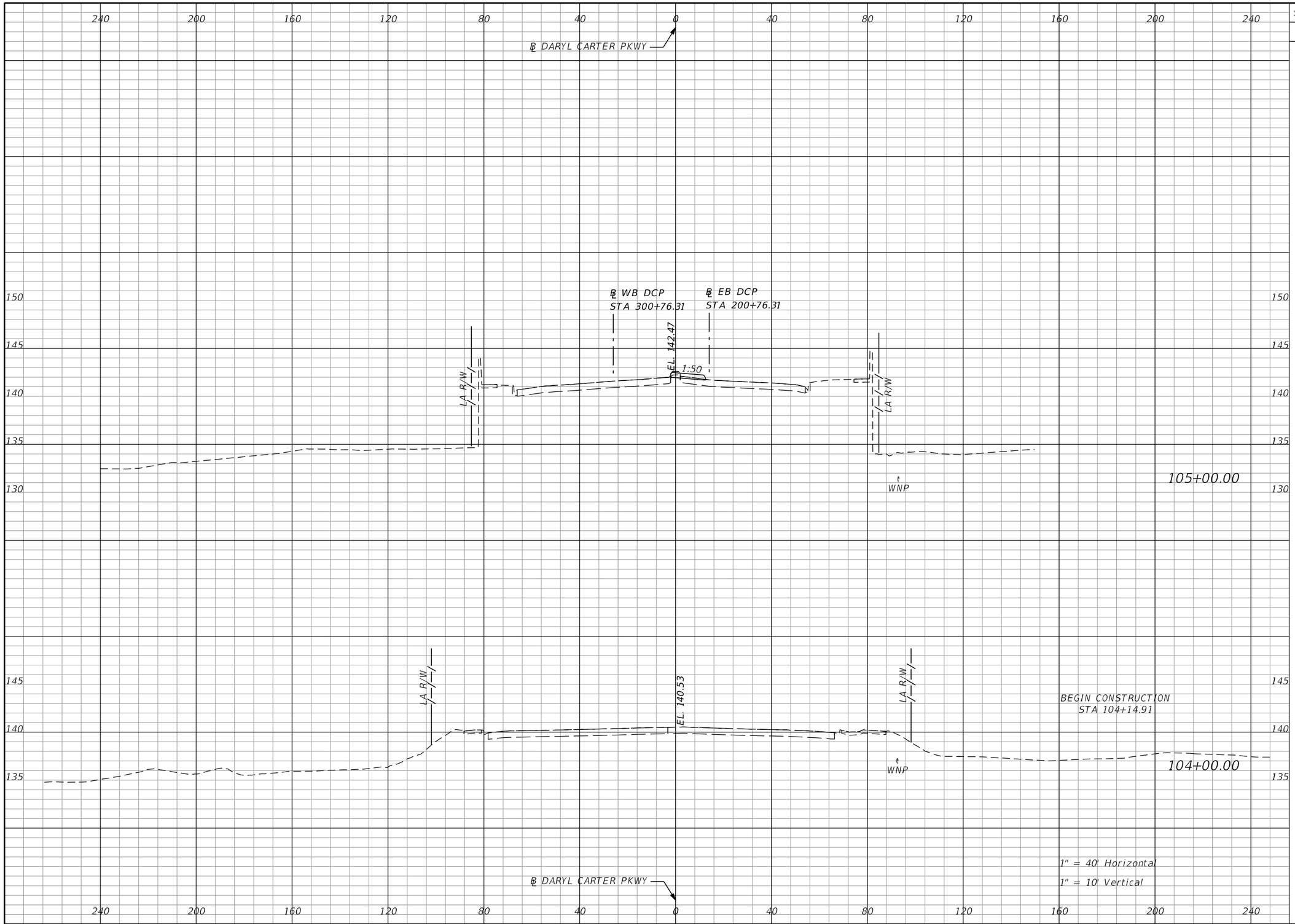
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
CROSS SECTIONS

SHEET NO. 428



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	0.0	0.0	0.0	0.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

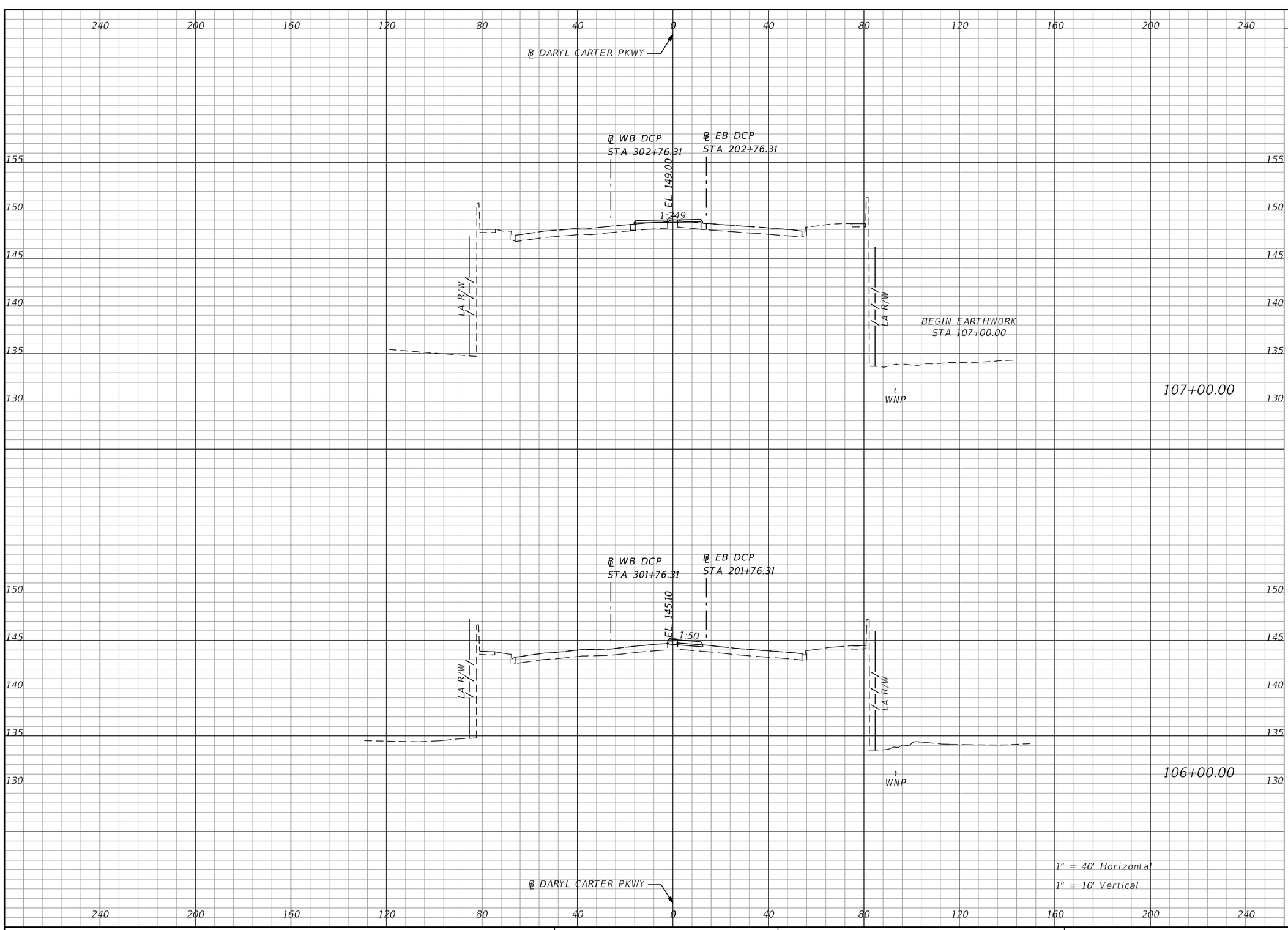
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY CROSS SECTIONS

SHEET NO. 429

robert.martini 8/22/2019 1:02:36 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	5.8	10.8	0.7	1.2
0.0	0.0	0.0	0.0	0.0	0.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

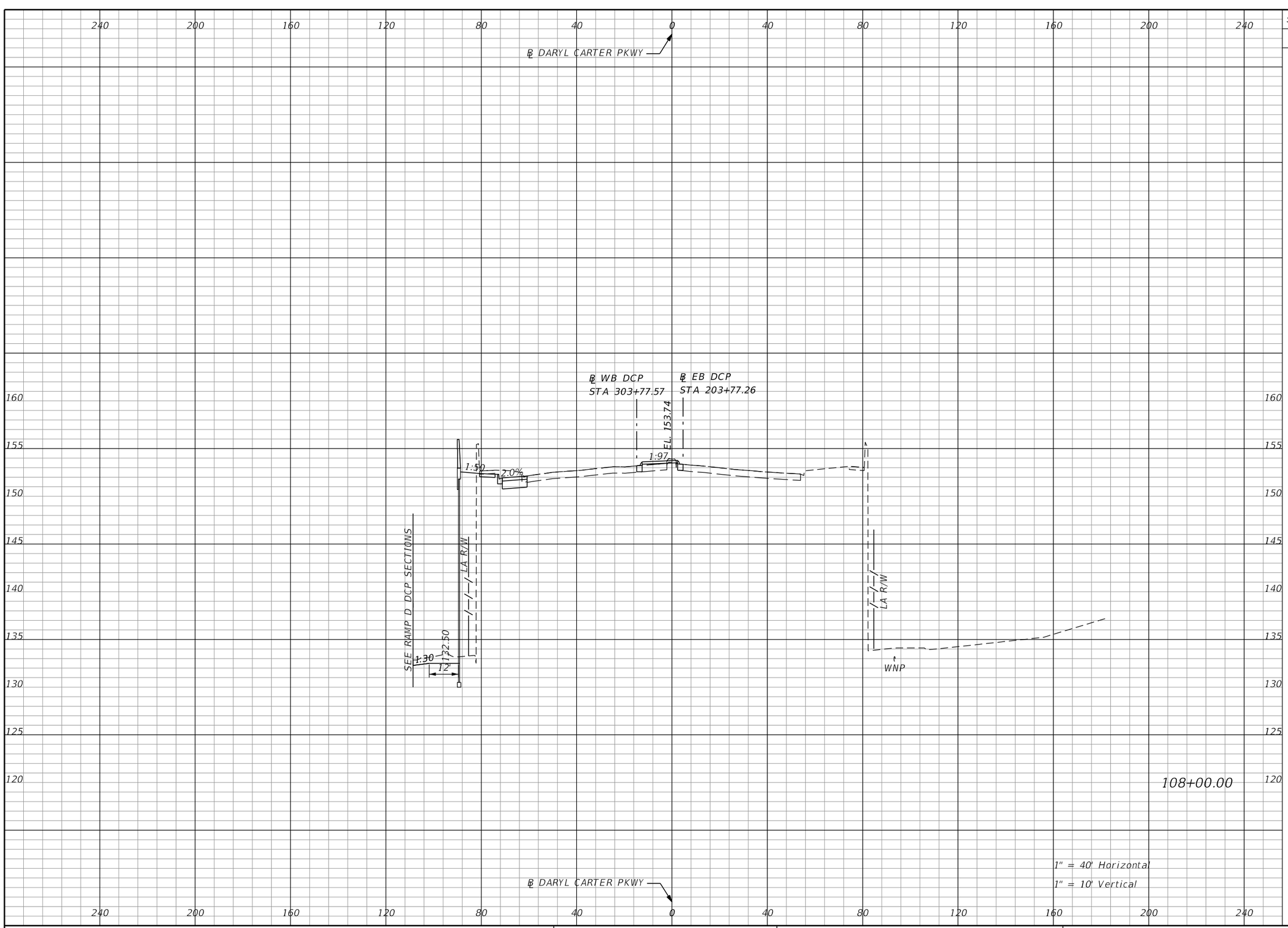
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY CROSS SECTIONS

SHEET NO. 430

robert.martini 8/22/2019 1:02:36 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		46.9		134.4	
	0.0		97.7		250.1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

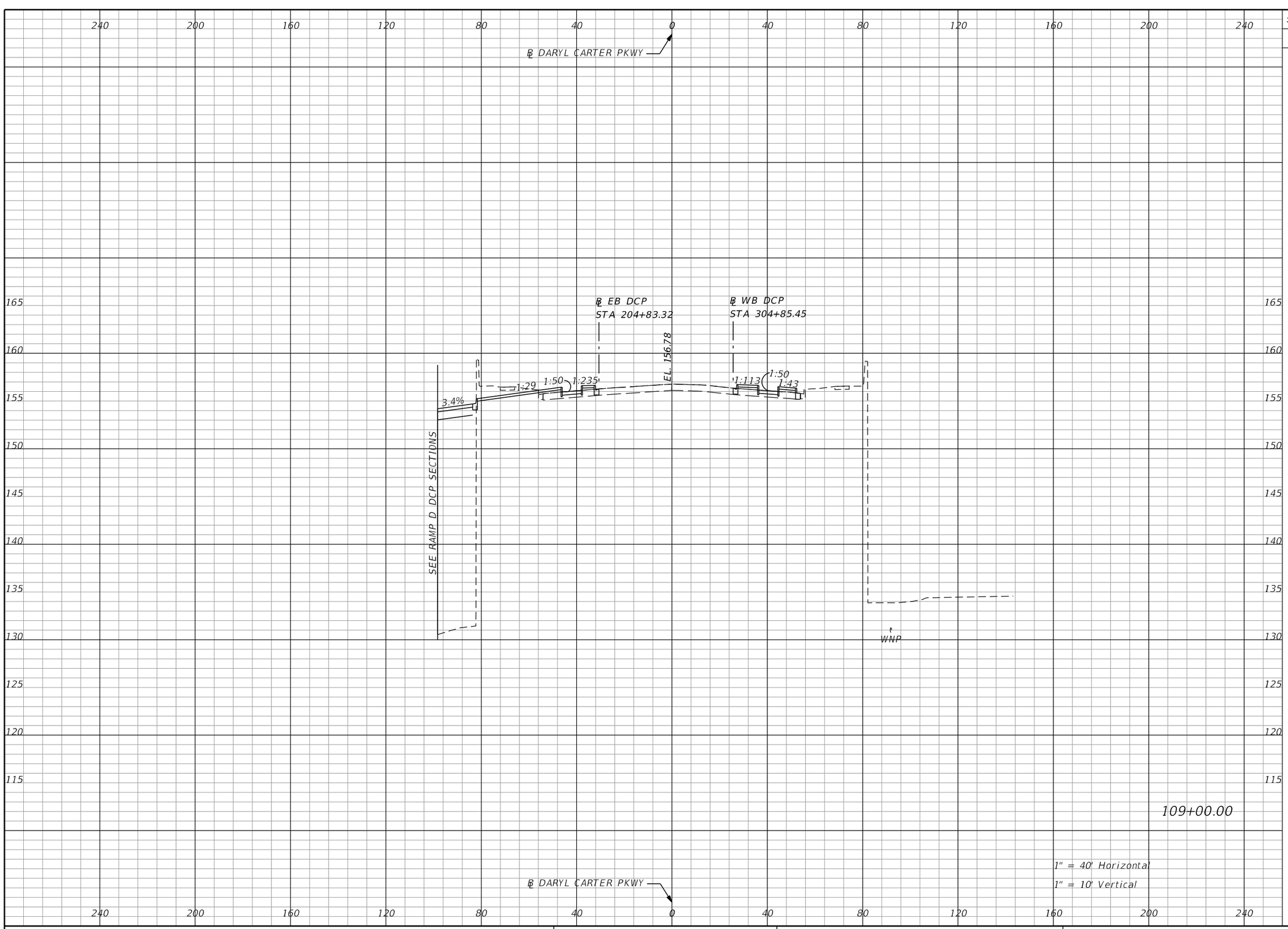
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY CROSS SECTIONS

SHEET NO.
431

robert.martini 8/22/2019 1:02:36 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	40.1	161.1	364.6	924.1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

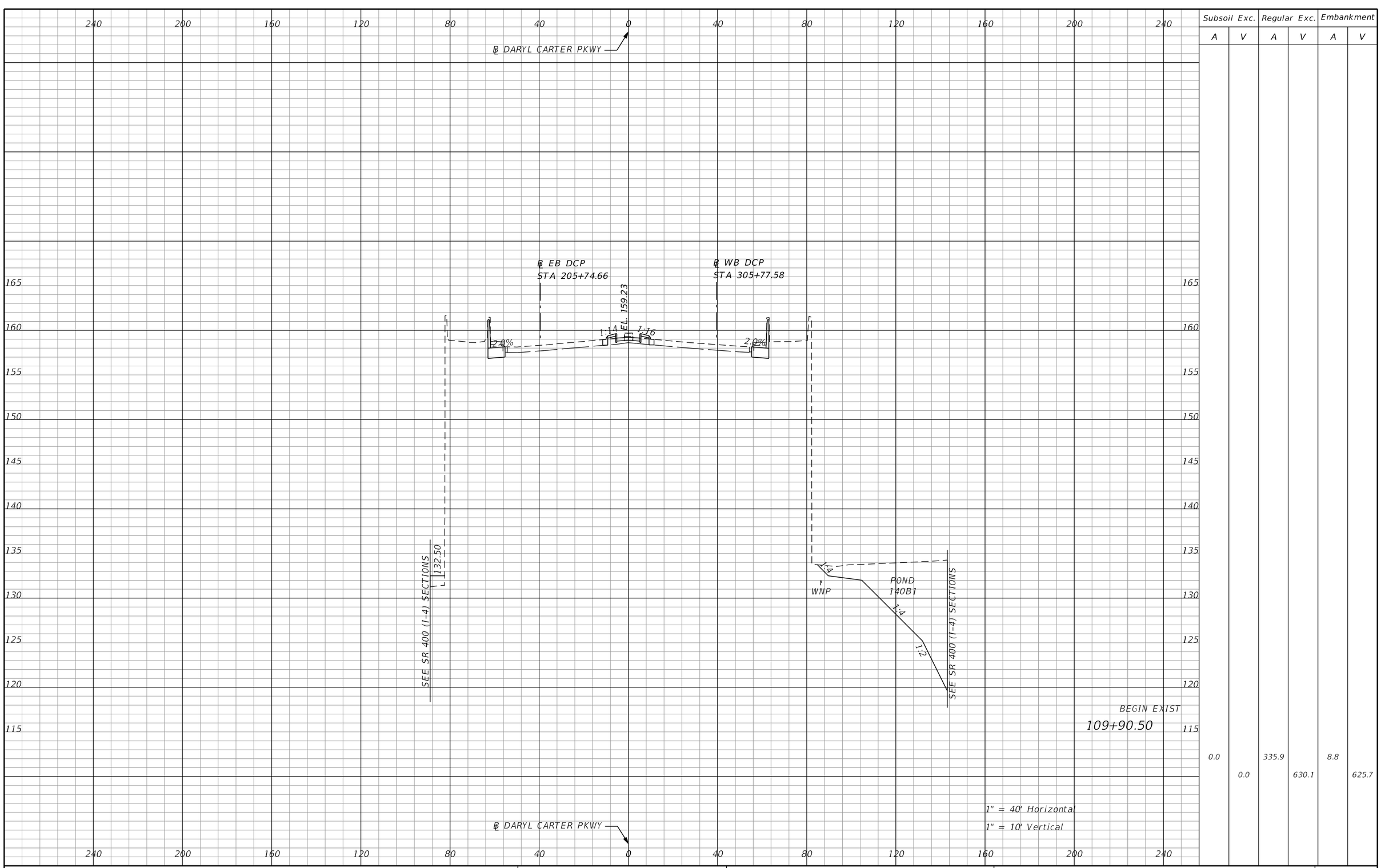
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY CROSS SECTIONS

SHEET NO. 432

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:02:36 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	335.9	630.1	8.8	625.7

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

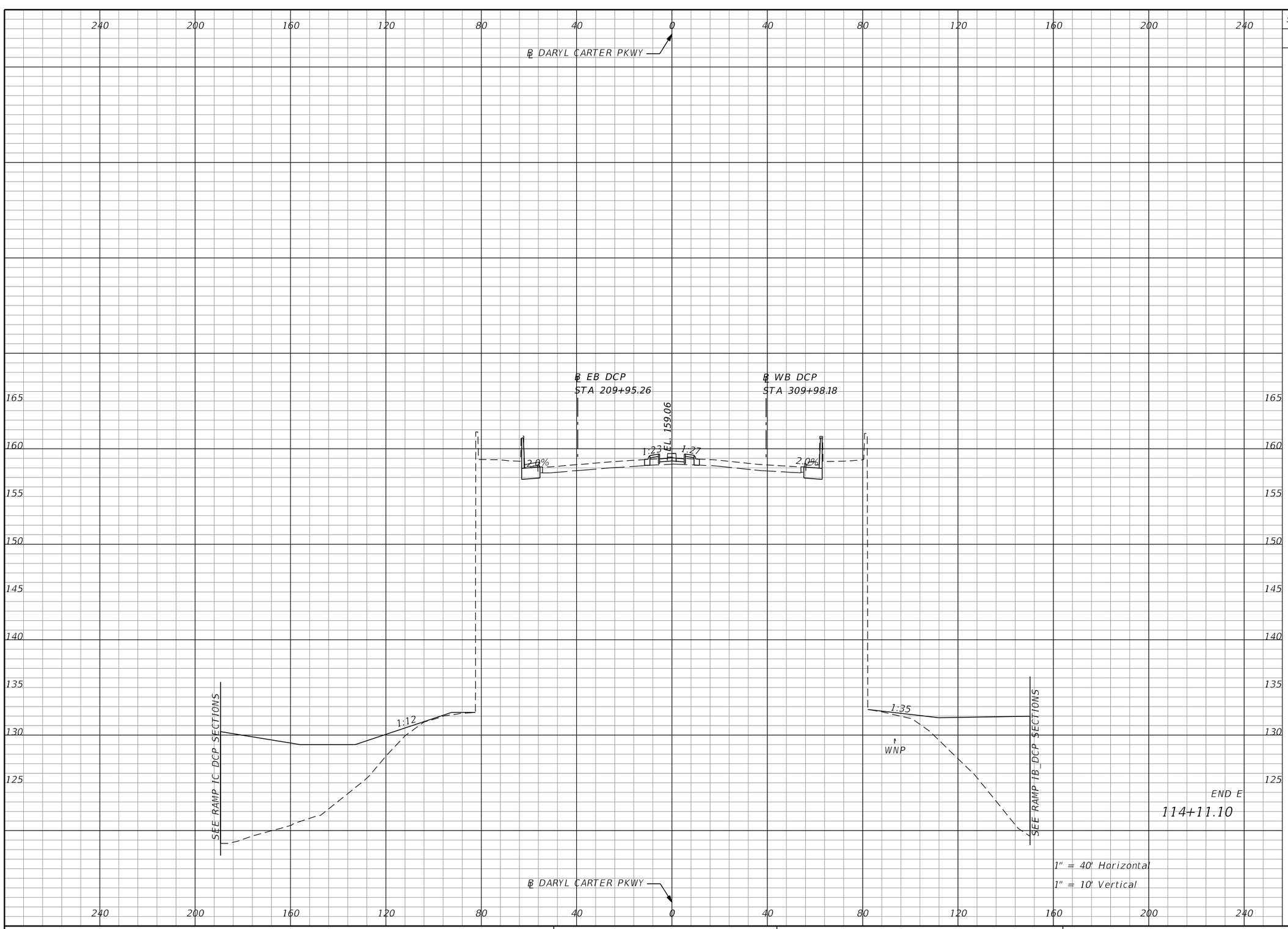
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY CROSS SECTIONS

SHEET NO. 433

robert.martini 8/22/2019 1:02:36 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	34.8	0.0	856.2	0.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

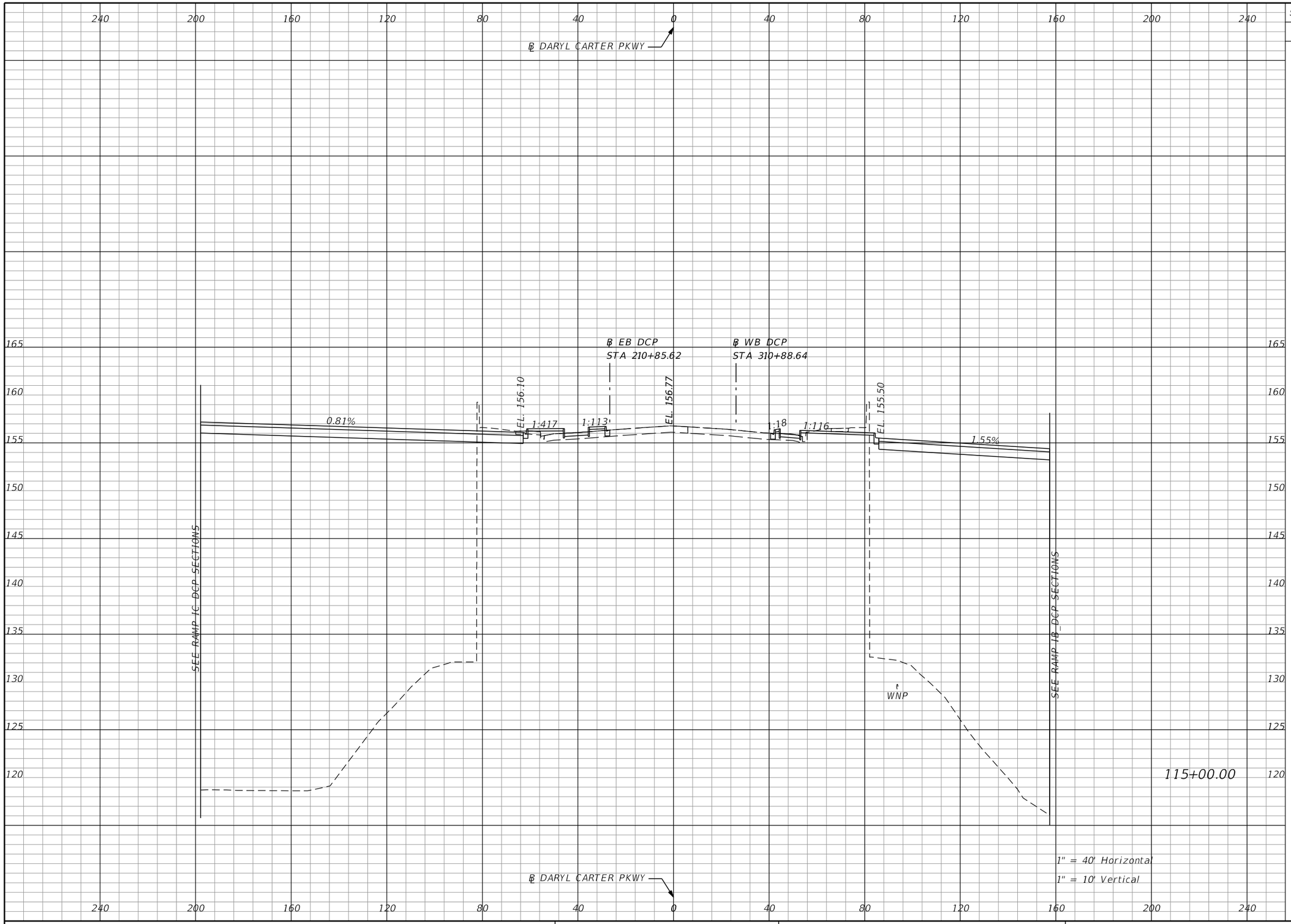
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY CROSS SECTIONS

SHEET NO. 434

robert.martini 8/22/2019 1:02:44 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	58.8	153.9	5849.8	11040.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

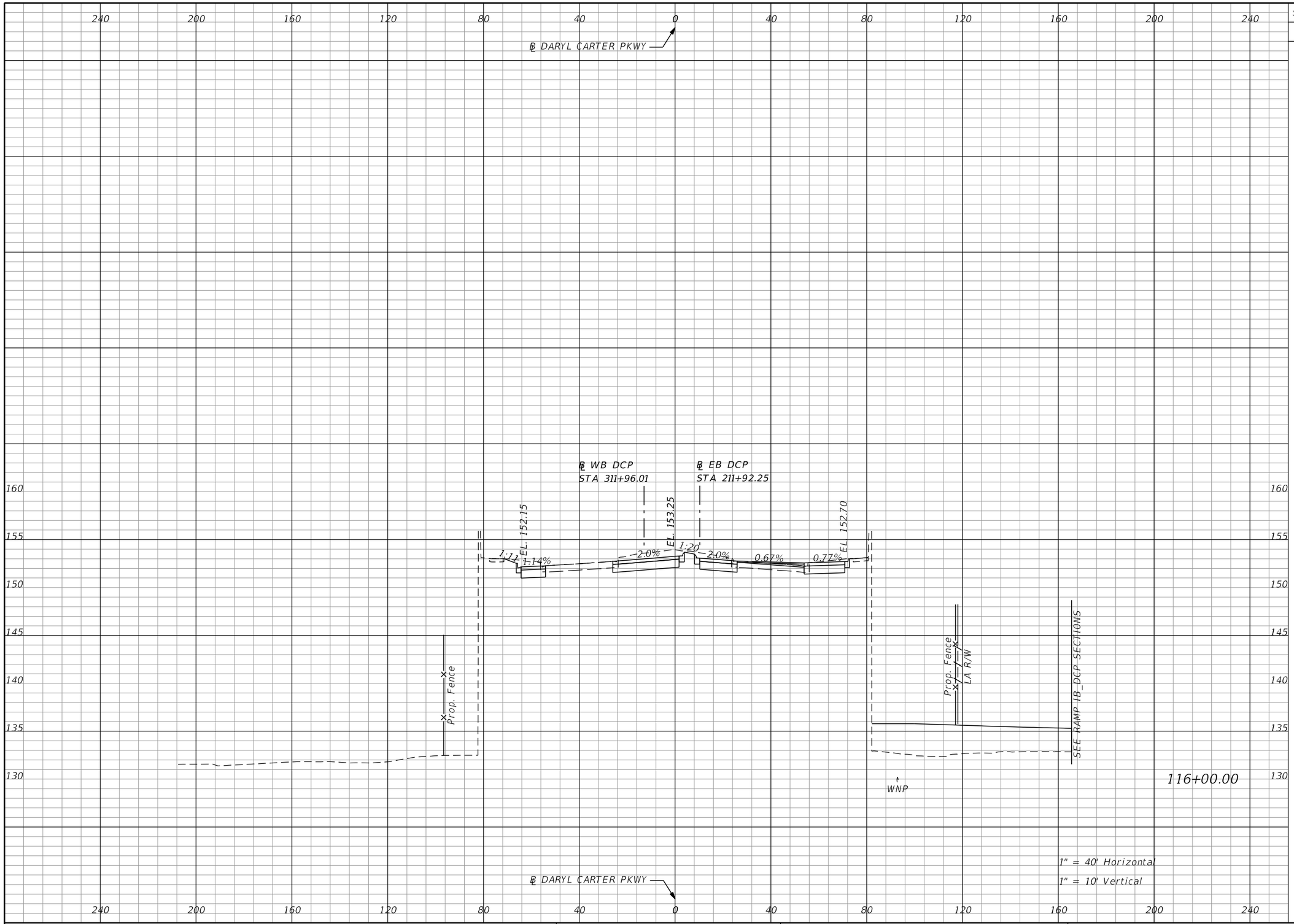
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY CROSS SECTIONS

SHEET NO. 435

robert.martini 8/22/2019 1:02:44 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	119.8	330.7	239.8	11276.9

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

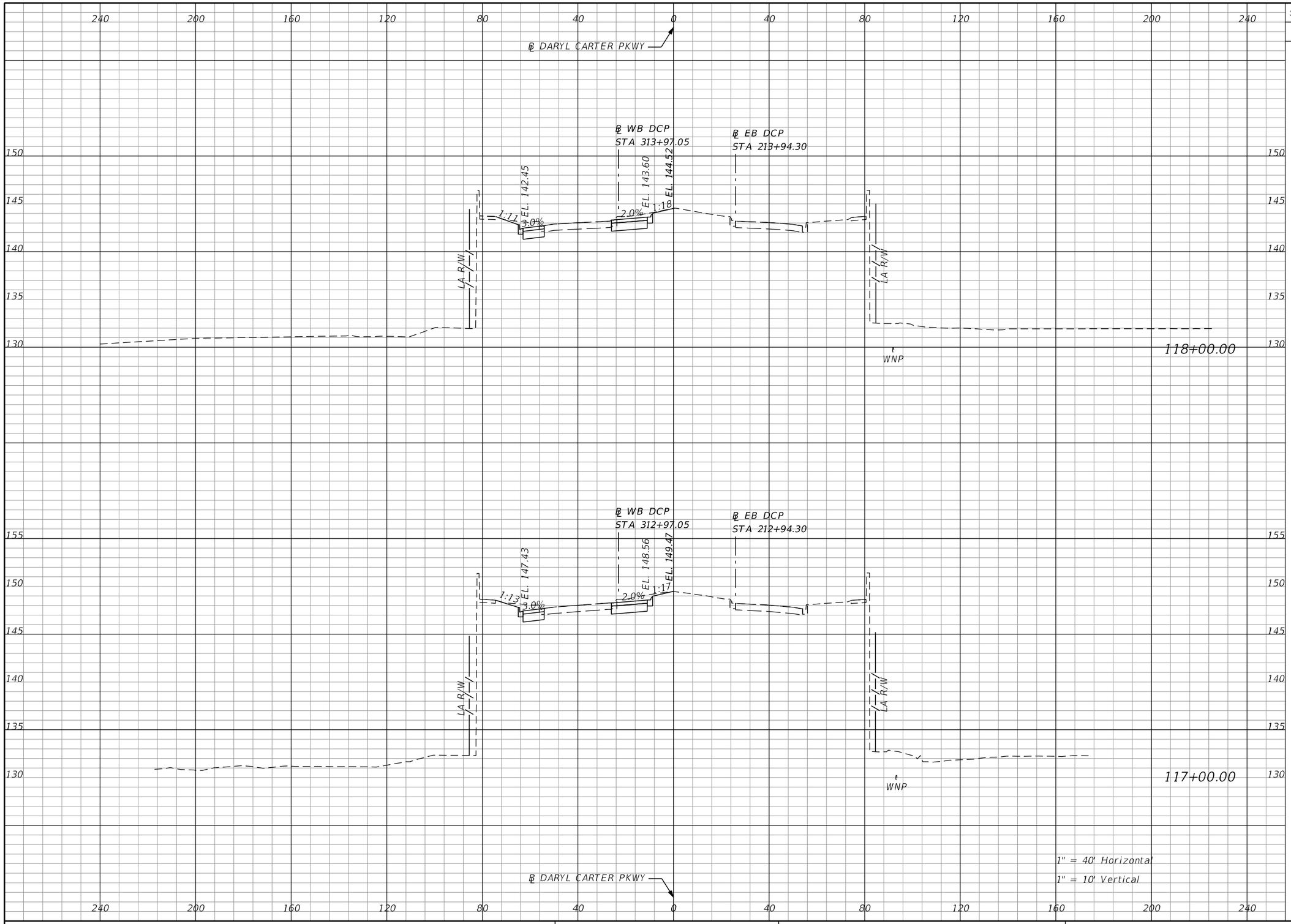
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY
CROSS SECTIONS

SHEET NO. 436

robert.martini 8/22/2019 1:02:44 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	42.0	159.6	0.0	0.0
0.0	0.0	44.2	303.7	0.0	444.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

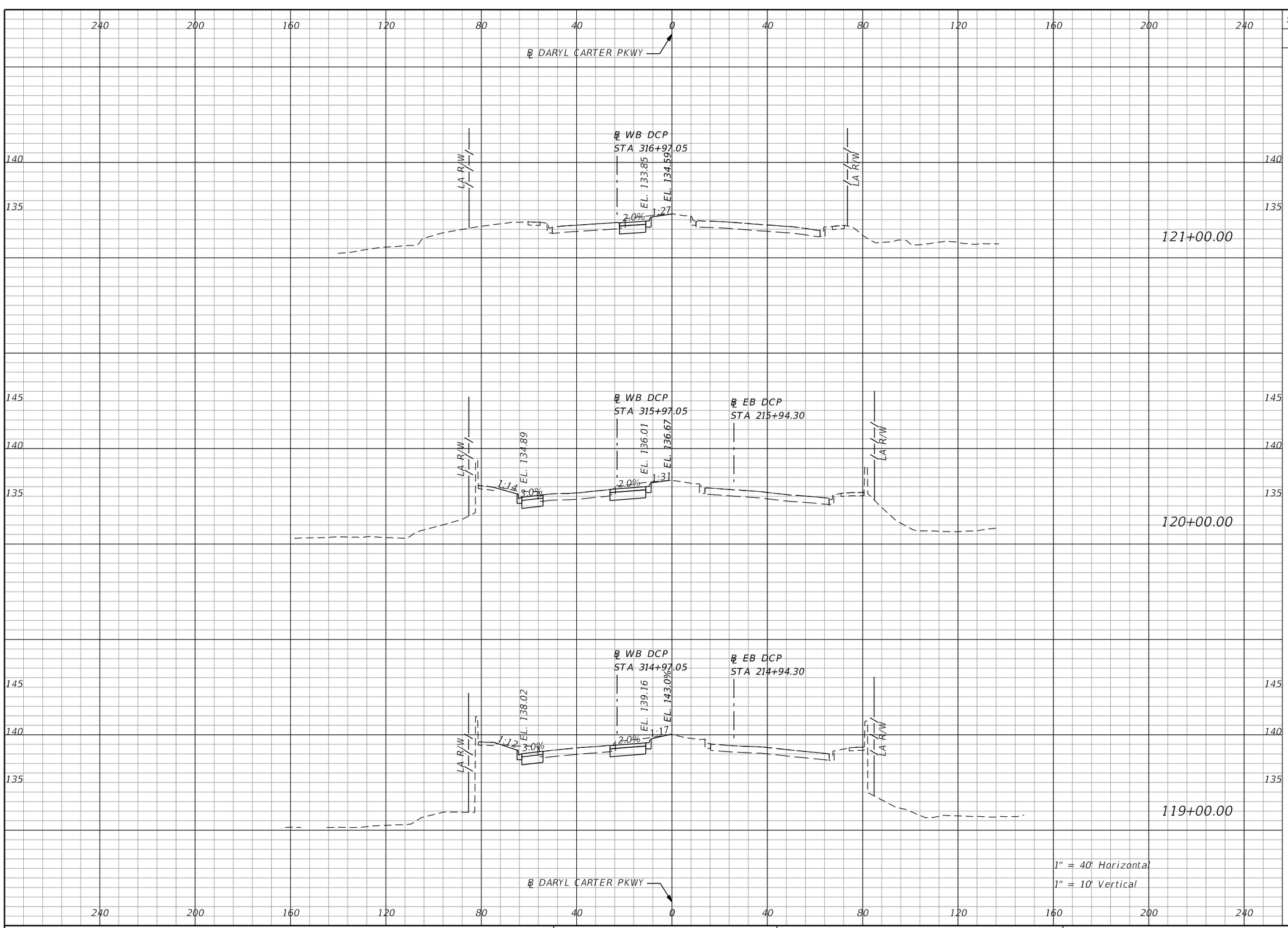
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY CROSS SECTIONS

SHEET NO. 437



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	20.4	118.3	0.0	0.0
0.0	0.0	43.5	165.4	0.0	0.1
0.0	0.0	45.8	162.6	0.1	0.2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

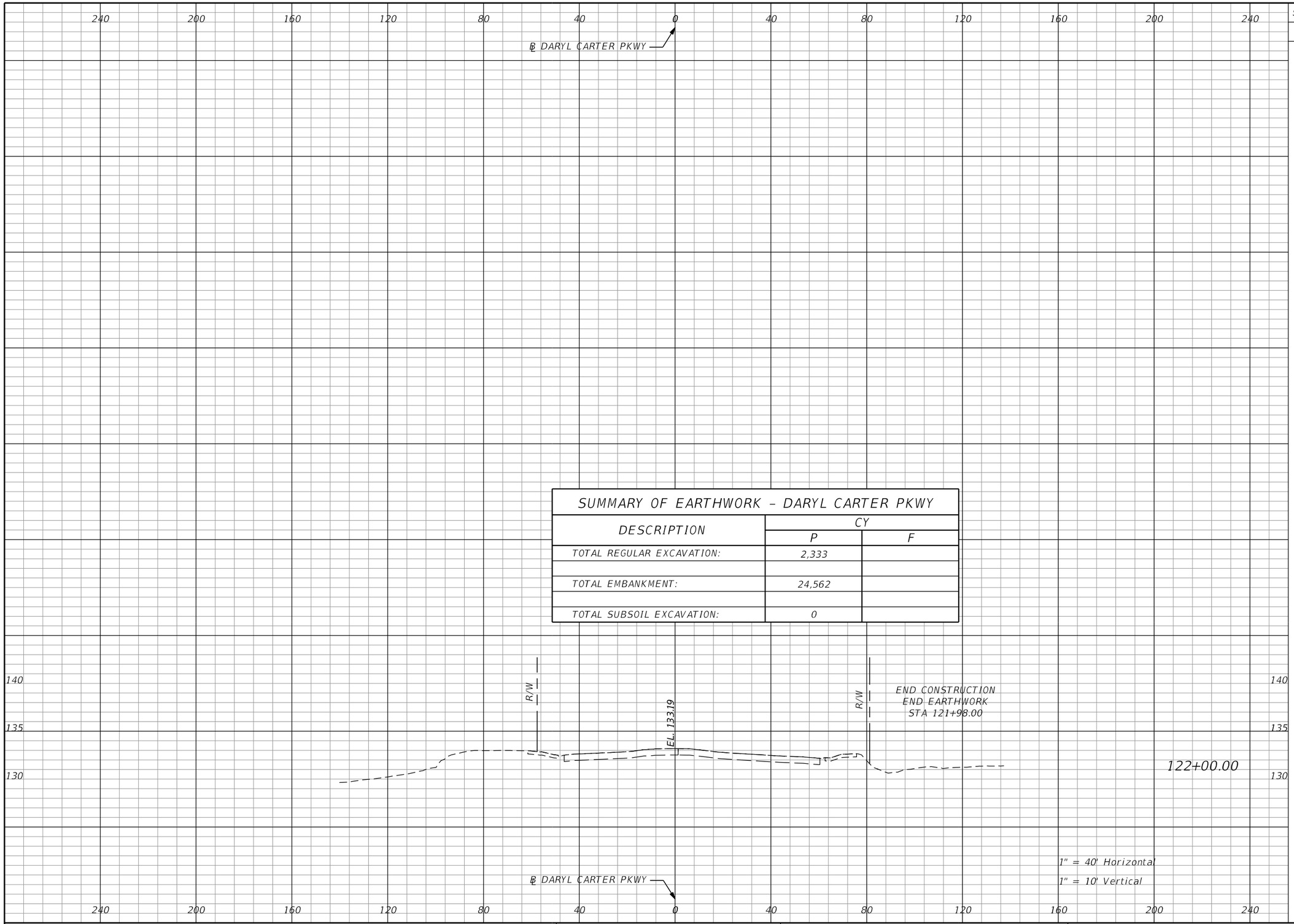
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY CROSS SECTIONS

SHEET NO. 438

robert.martini 8/22/2019 1:02:45 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_DCP.DGN



SUMMARY OF EARTHWORK – DARYL CARTER PKWY

DESCRIPTION	CY	
	P	F
TOTAL REGULAR EXCAVATION:	2,333	
TOTAL EMBANKMENT:	24,562	
TOTAL SUBSOIL EXCAVATION:	0	

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	0.0	37.7	0.0	0.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

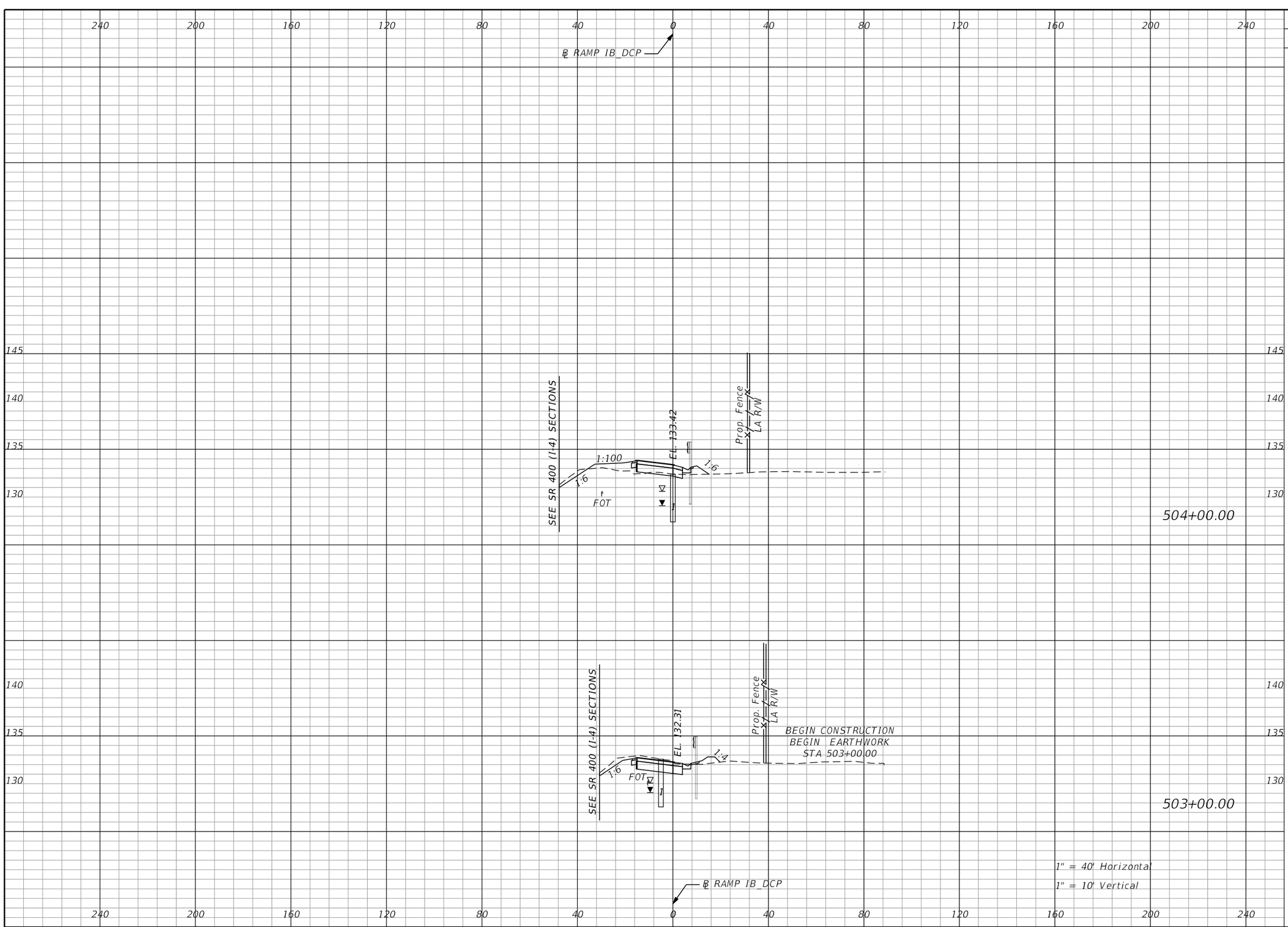
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY
CROSS SECTIONS

SHEET NO. 439

robert.martini 8/22/2019 1:02:45 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	7.5	77.8	17.6	40.9
0.0	0.0	34.5	0.0	4.4	0.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

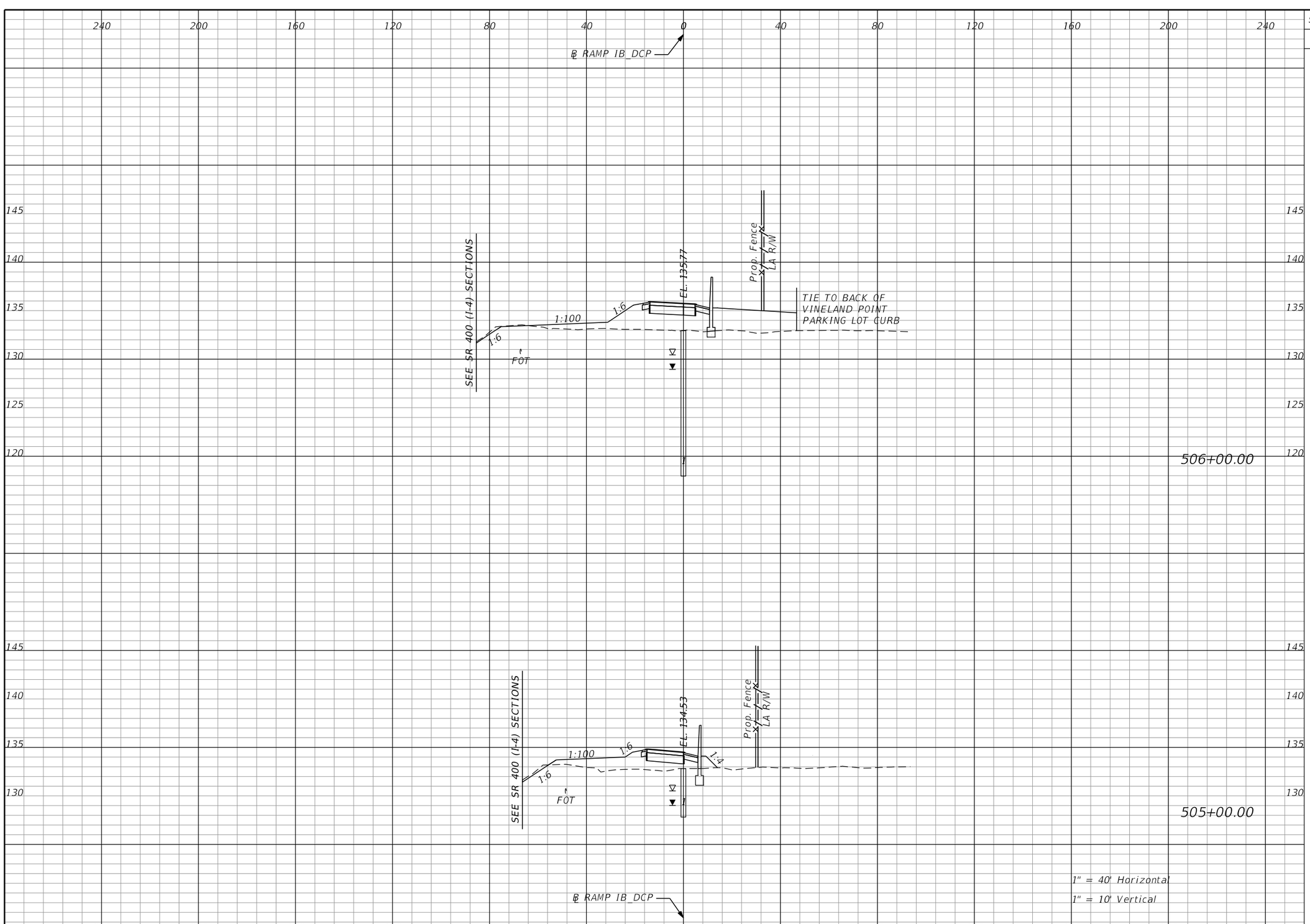
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IB_DCP
CROSS SECTIONS

SHEET NO. 440

robert.martini 8/22/2019 1:02:46 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_IB_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	2.7	9.5	164.2	423.6
0.0	0.0	2.4	18.4	64.5	152.2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

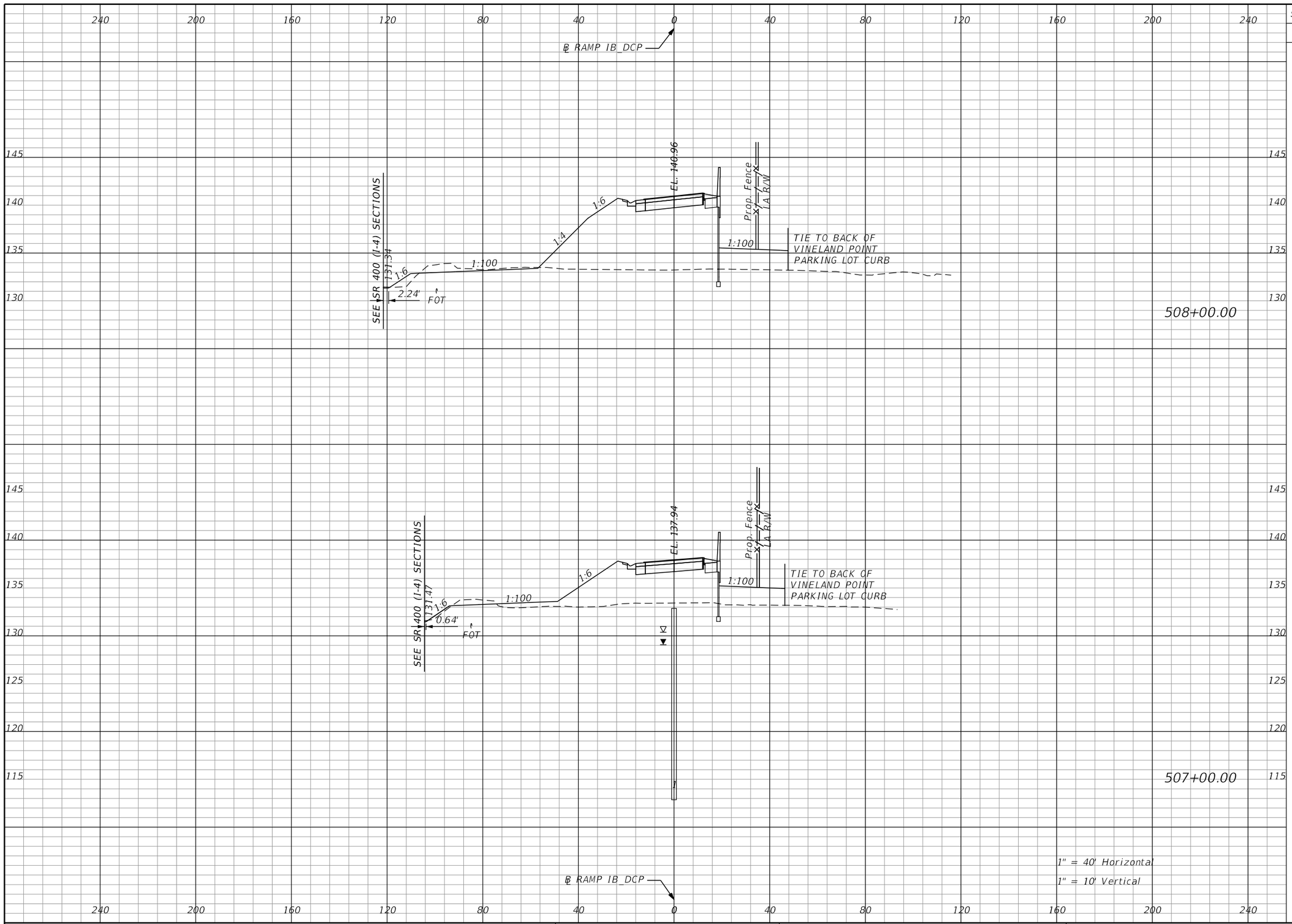
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IB_DCP
CROSS SECTIONS

SHEET NO. 441



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	17.0	46.9	477.3	1388.5
0.0	0.0	8.3	20.4	272.5	808.7

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

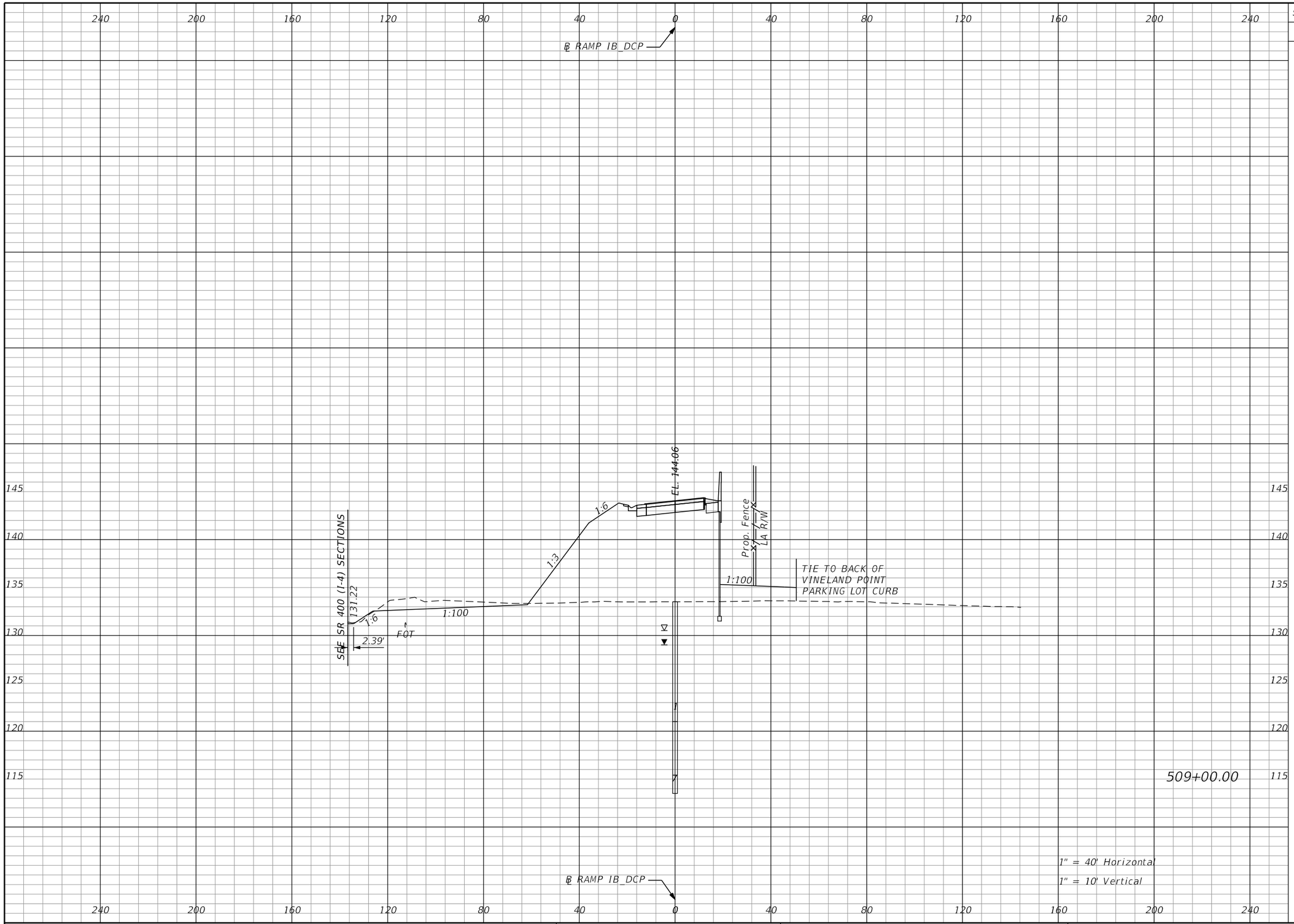
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IB_DCP
CROSS SECTIONS

SHEET NO. 442

robert.martini 8/22/2019 1:02:47 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_IB_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	41.5	108.4	664.2	2113.8

1" = 40' Horizontal

1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

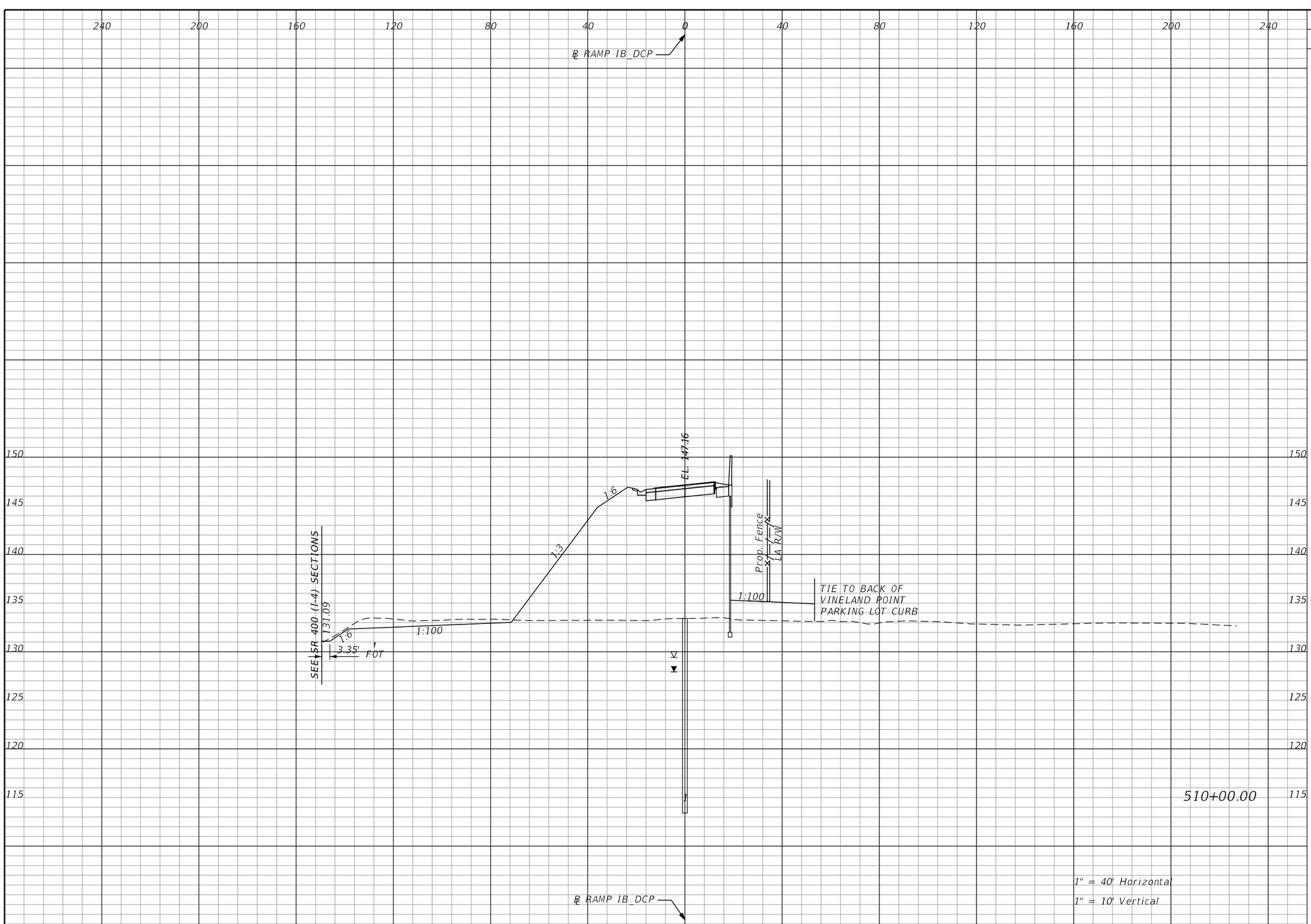
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IB_DCP
CROSS SECTIONS

SHEET NO. 443

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:02:47 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_IB_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	42.6	155.6	955.1	2998.7

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

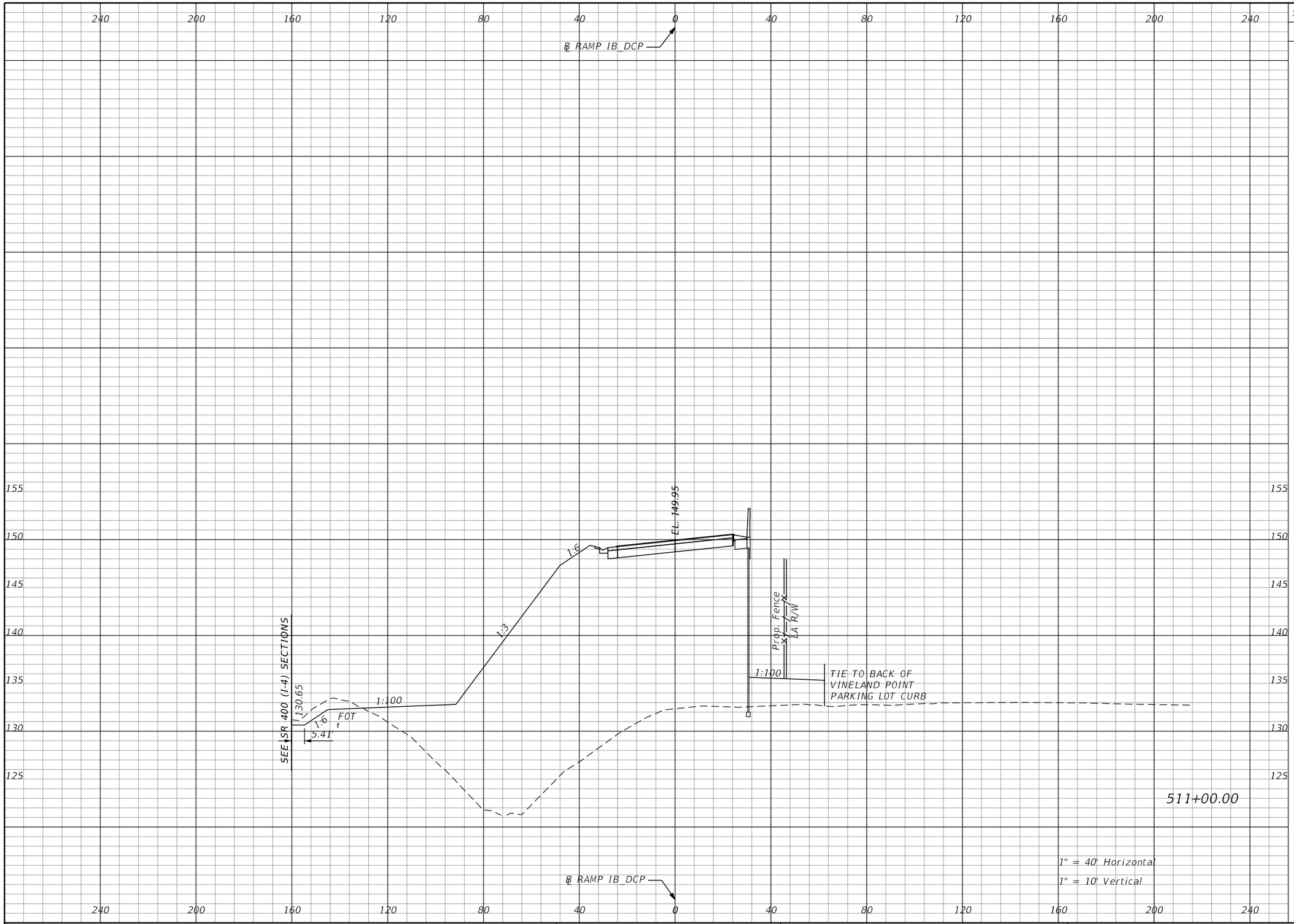
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IB_DCP
CROSS SECTIONS

SHEET NO. 444

robert.martini 8/22/2019 1:02:47 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_IB_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	24.3	123.9	2397.2	6208.1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

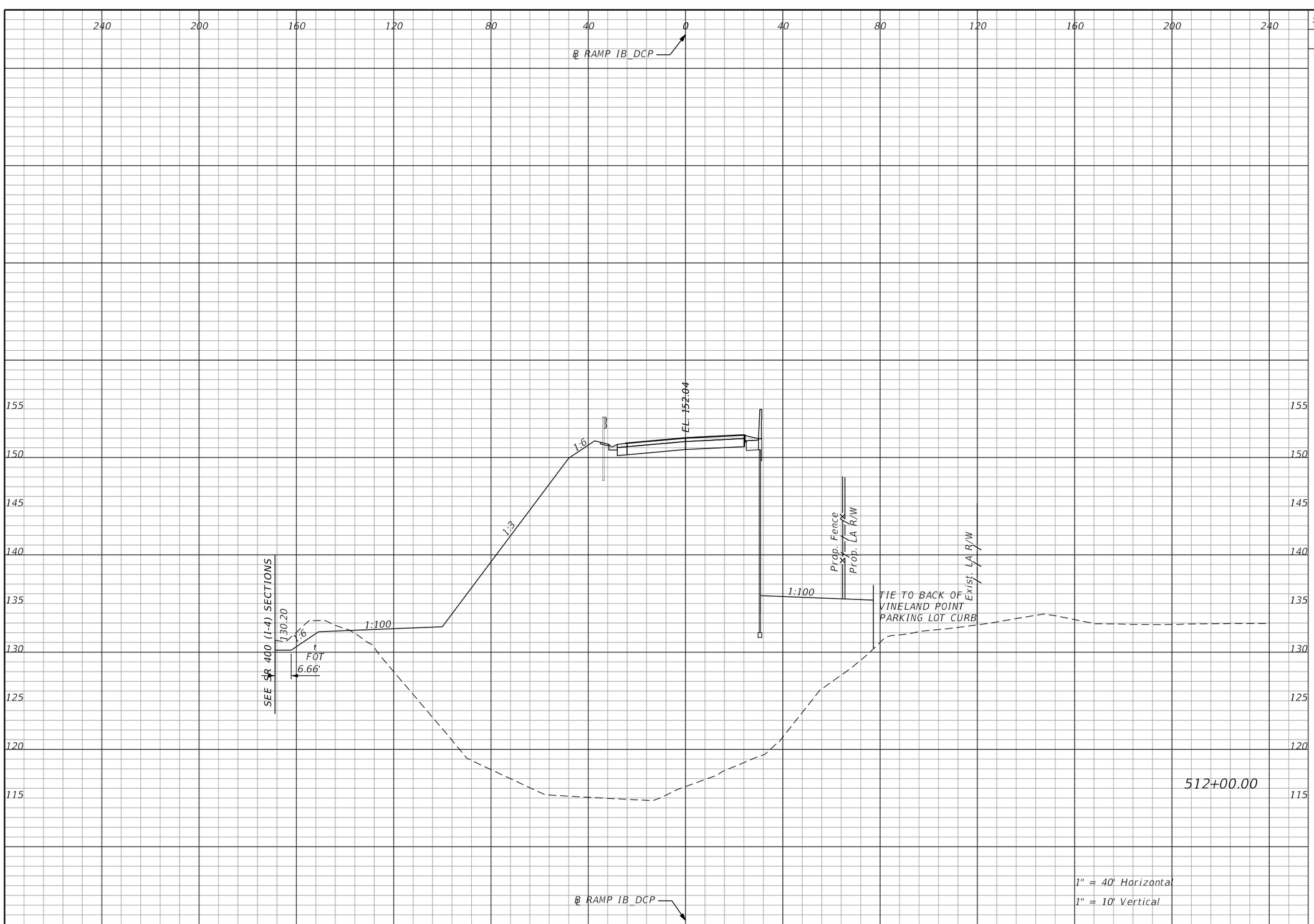
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IB_DCP
CROSS SECTIONS

SHEET NO. 445

robert.martini 8/22/2019 1:02:47 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_IB_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	32.5	105.1	4628.4	13010.4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

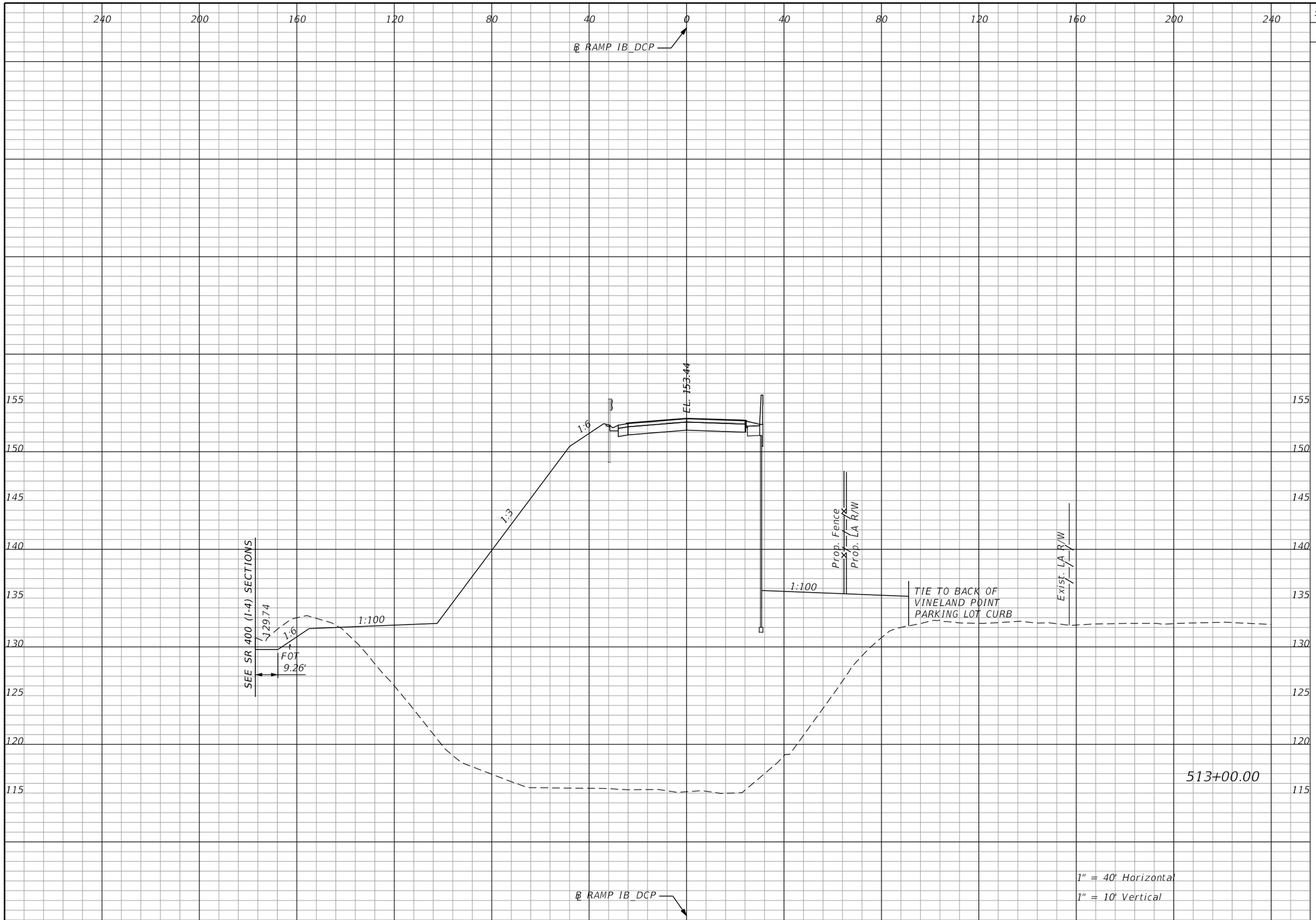
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IB_DCP
CROSS SECTIONS

SHEET NO. 446

robert.martini 8/22/2019 1:02:48 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_IB_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	45.8	145.0	5064.1	17949.1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IB_DCP
CROSS SECTIONS

SHEET NO. 447

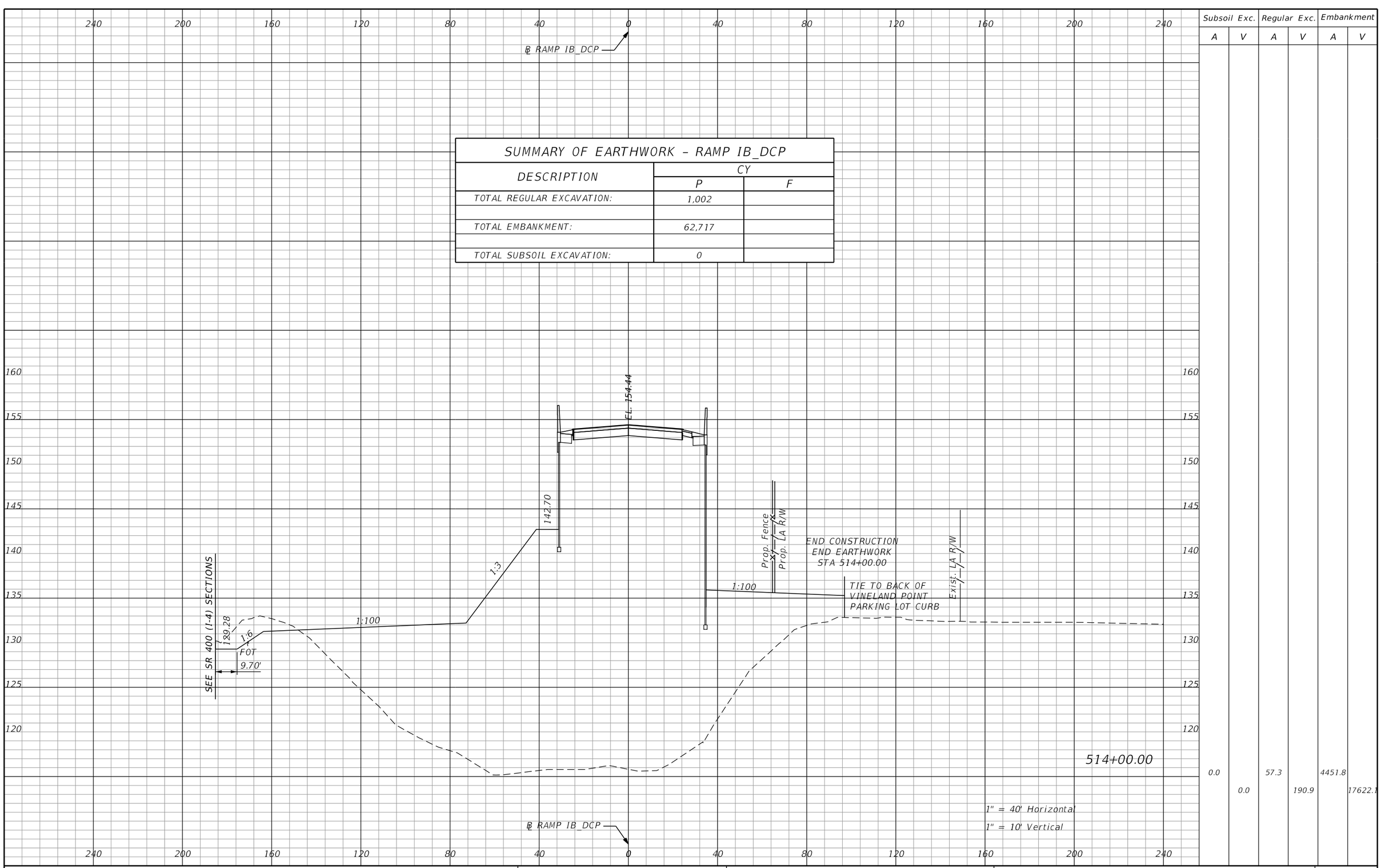
robert.martini 8/22/2019 1:02:48 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_IB_DCP.DGN

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF EARTHWORK – RAMP IB_DCP

DESCRIPTION	CY	
	P	F
TOTAL REGULAR EXCAVATION:	1,002	
TOTAL EMBANKMENT:	62,717	
TOTAL SUBSOIL EXCAVATION:	0	

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	57.3	190.9	4451.8	17622.1



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

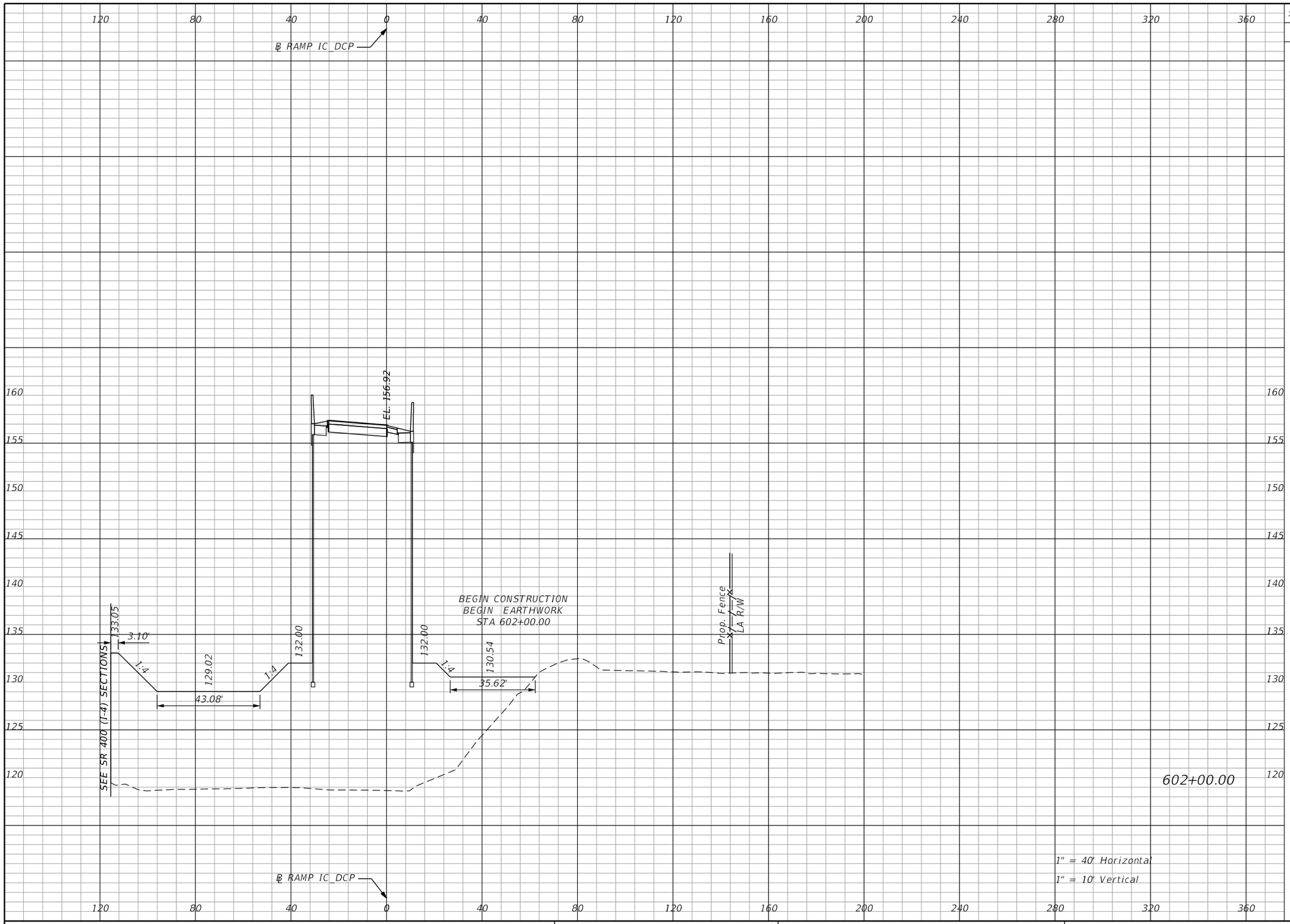
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IB_DCP
CROSS SECTIONS

SHEET NO. 448

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	0.0	0.0	2841.8	0.0

1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

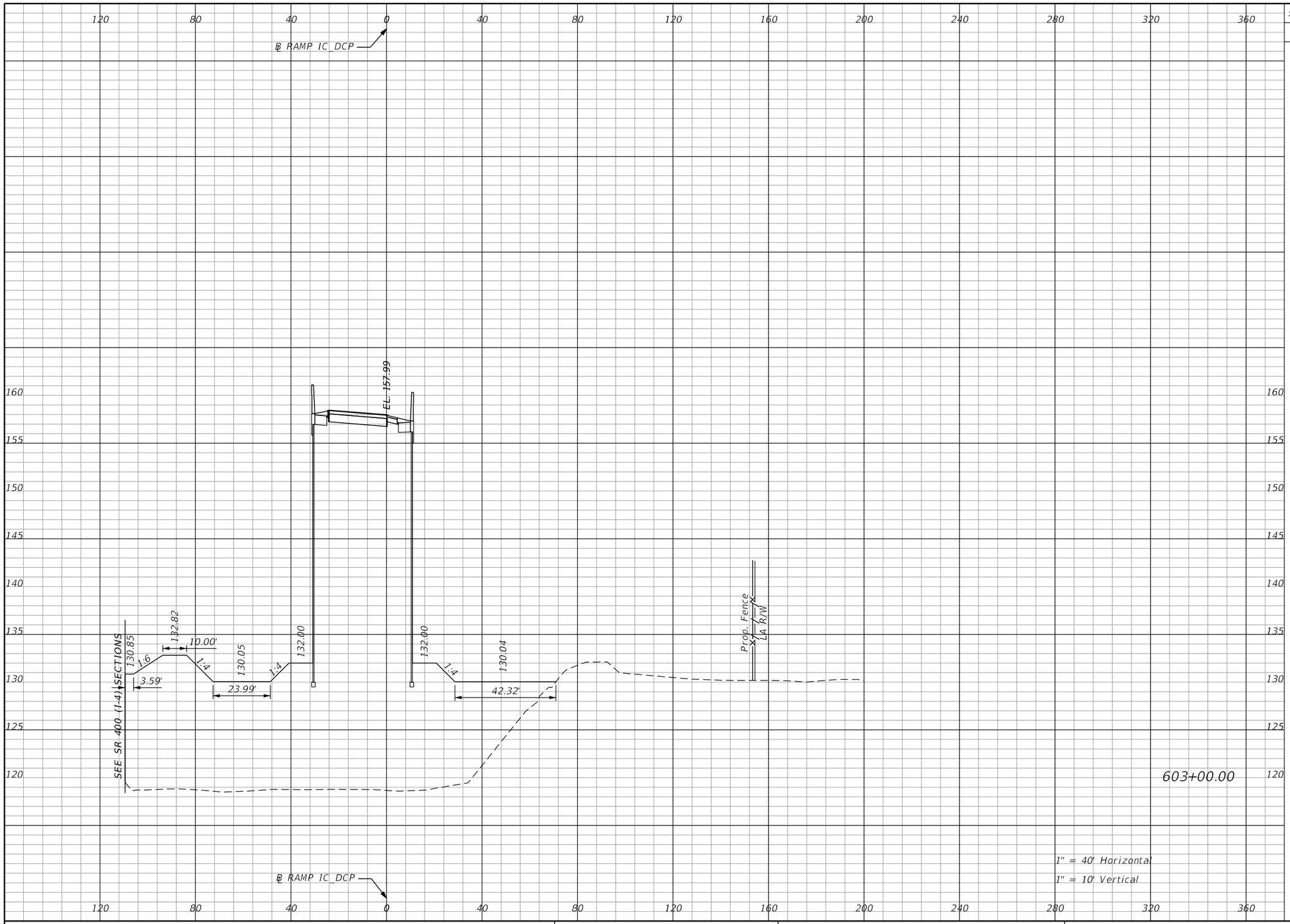
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IC_DCP CROSS SECTIONS

SHEET NO. 449

robert.martini 8/22/2019 1:02:49 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_IC_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	0.0	0.0	3018.3	10852.0

1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

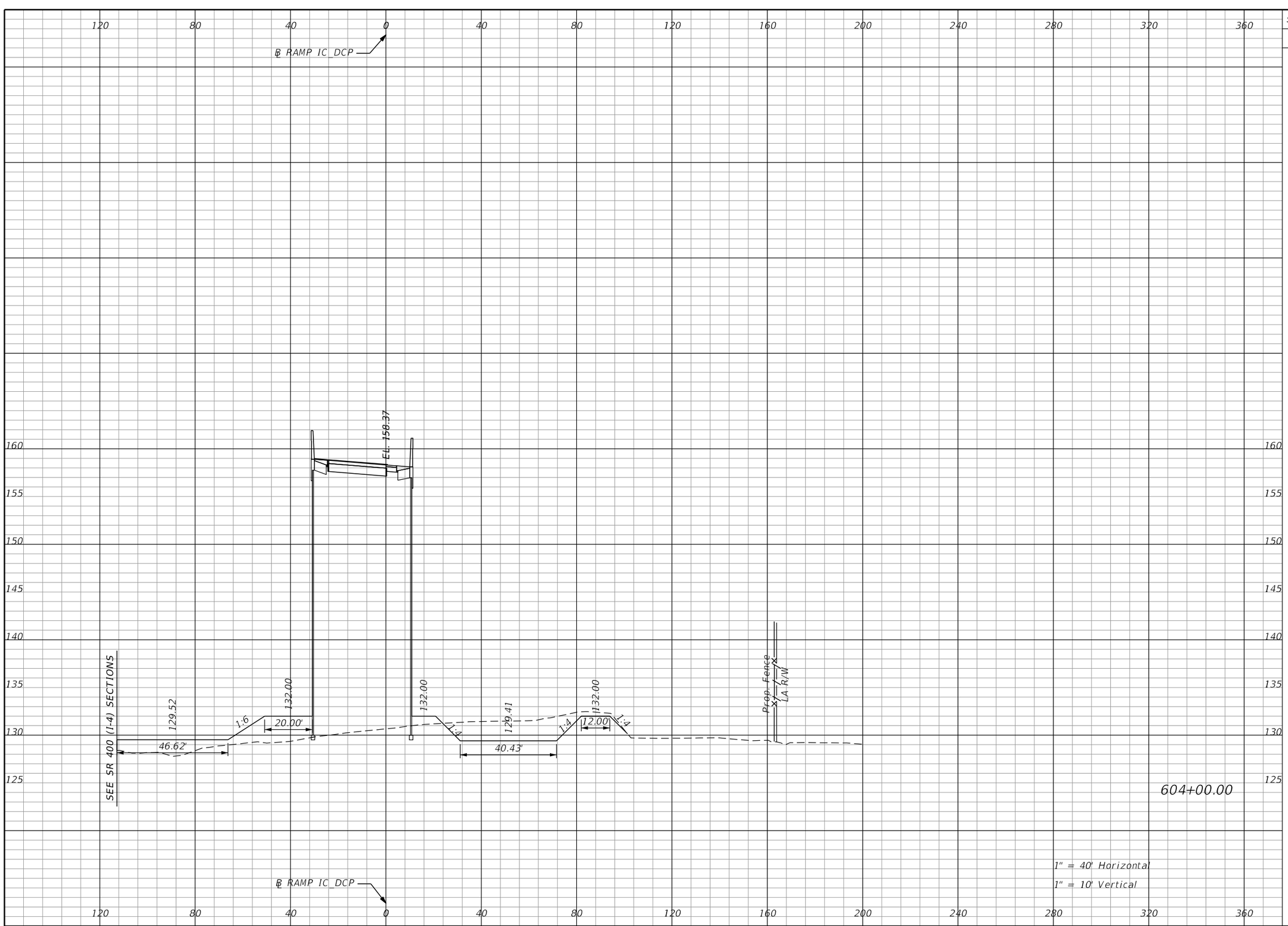
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IC_DCP CROSS SECTIONS

SHEET NO. 450

robert.martini 8/22/2019 1:02:50 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_IC_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	114.3	211.6	1240.3	7886.4

1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

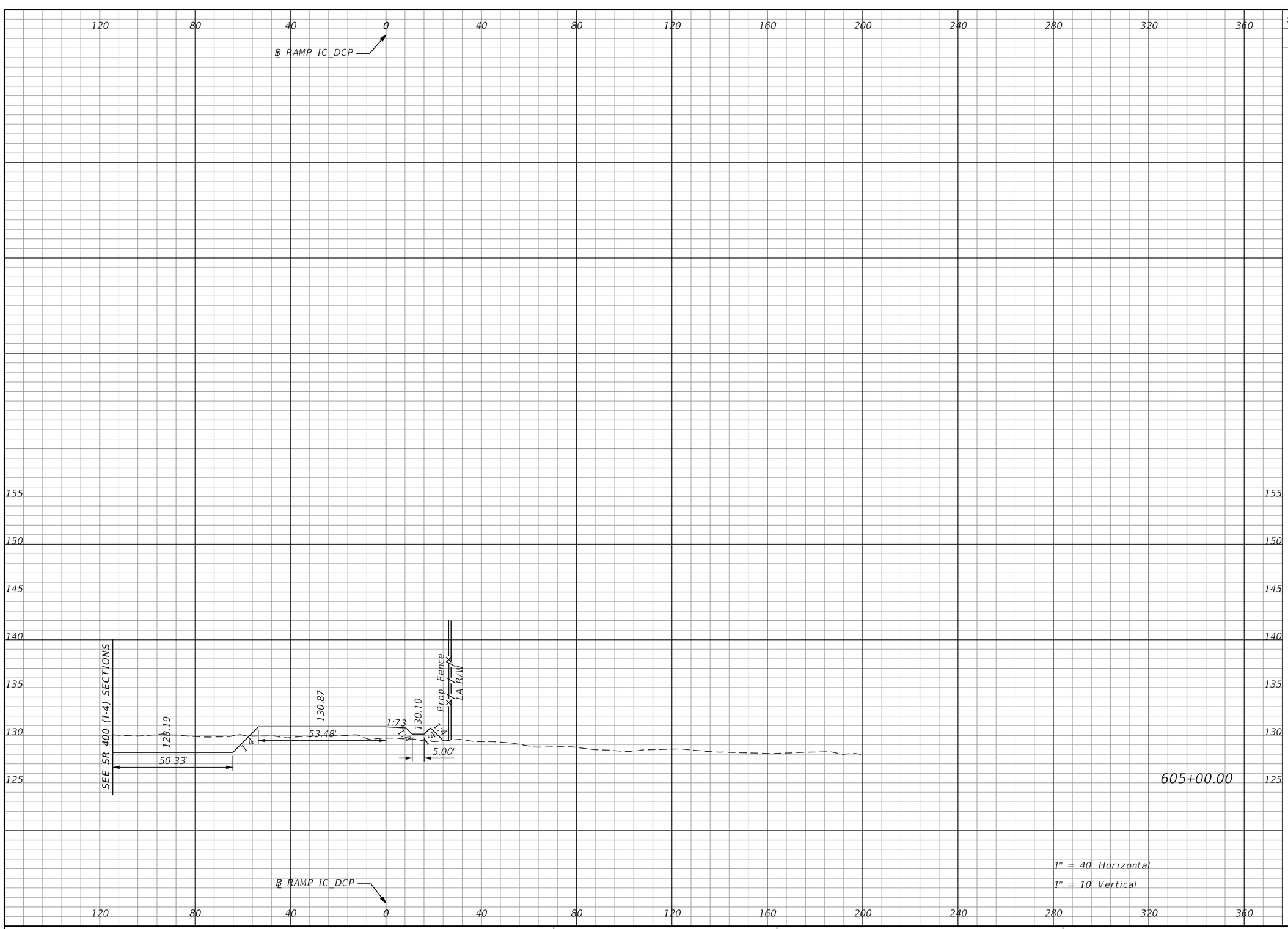
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IC_DCP CROSS SECTIONS

SHEET NO. 451



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	93.9	385.6	78.3	2441.8

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

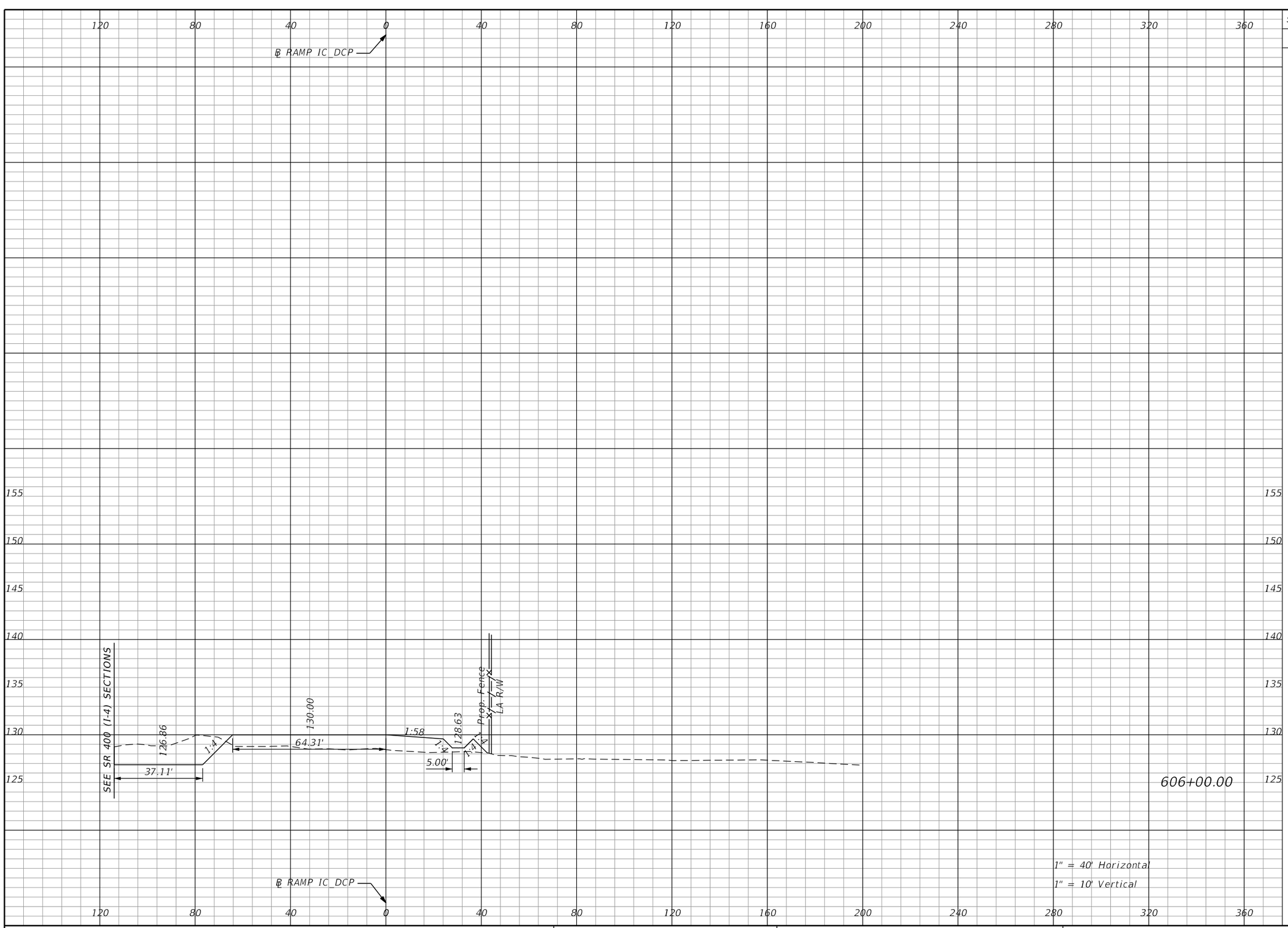
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IC_DCP CROSS SECTIONS

SHEET NO. 452

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	100.5	360.1	139.4	403.1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

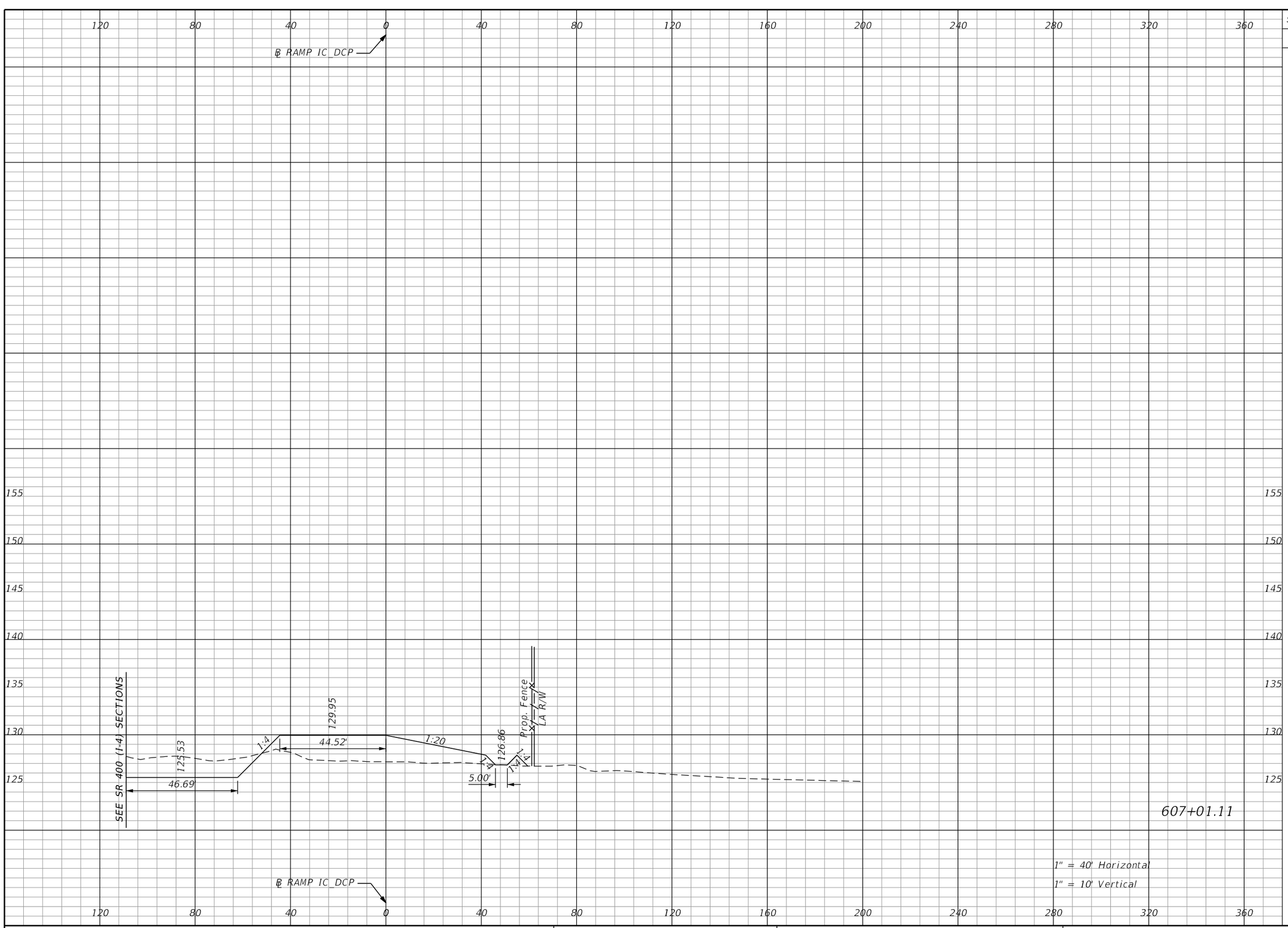
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IC_DCP CROSS SECTIONS

SHEET NO. 453

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:02:50 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_IC_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	103.5	382.0	199.6	634.8

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

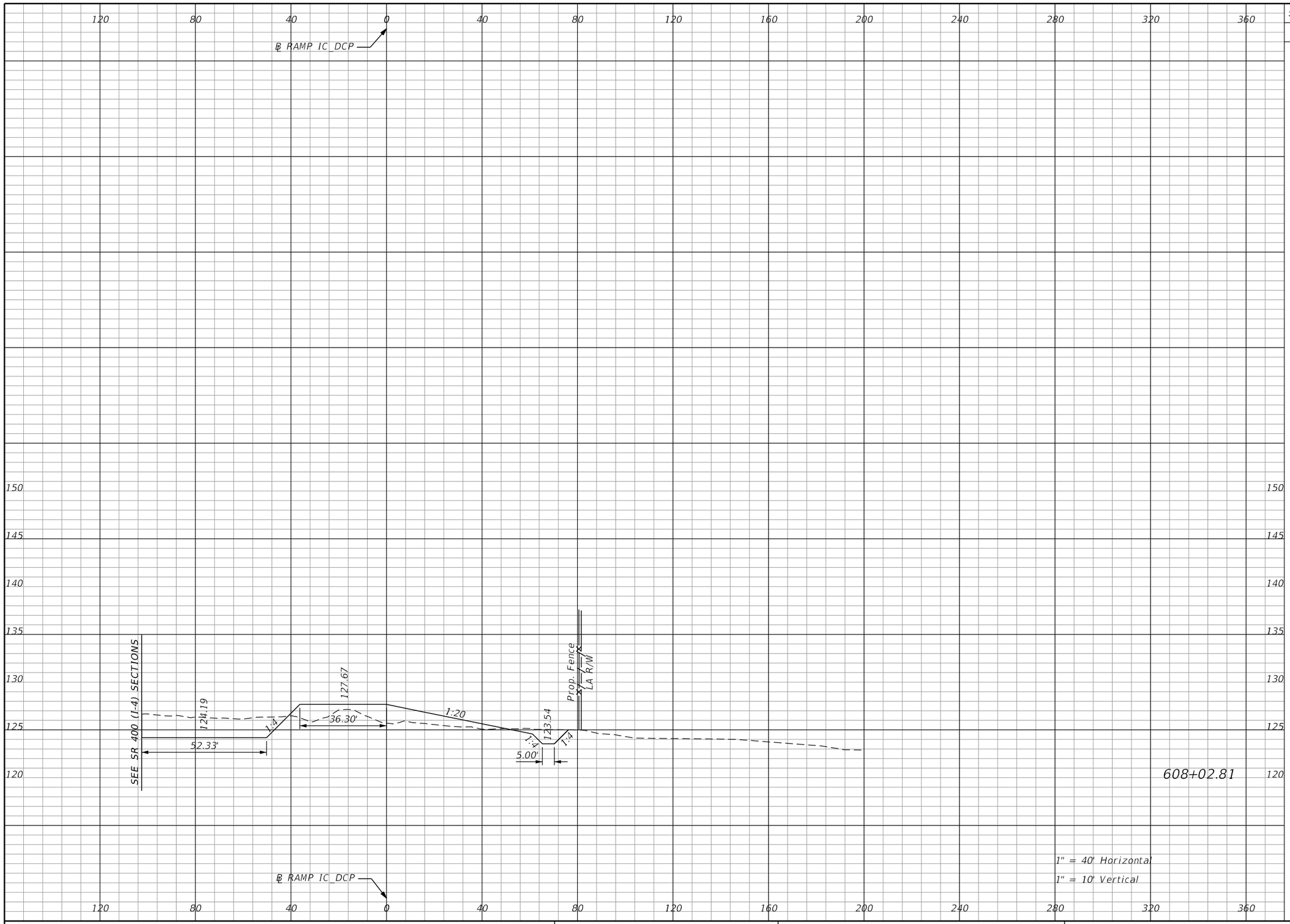
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IC_DCP CROSS SECTIONS

SHEET NO. 454



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	141.7	461.8	96.0	556.8

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

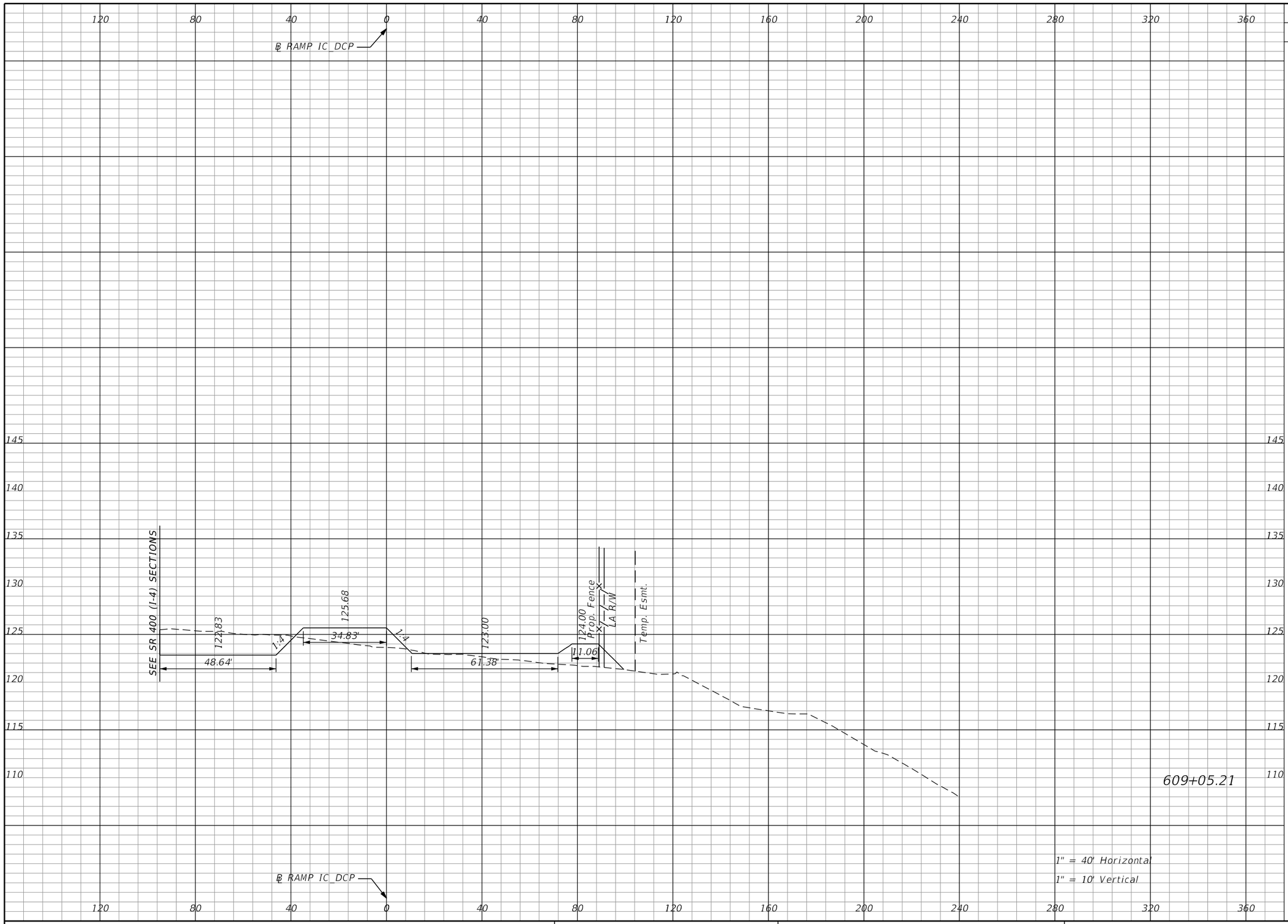
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IC_DCP CROSS SECTIONS

SHEET NO. 455

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	126.8	509.2	142.1	451.6

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

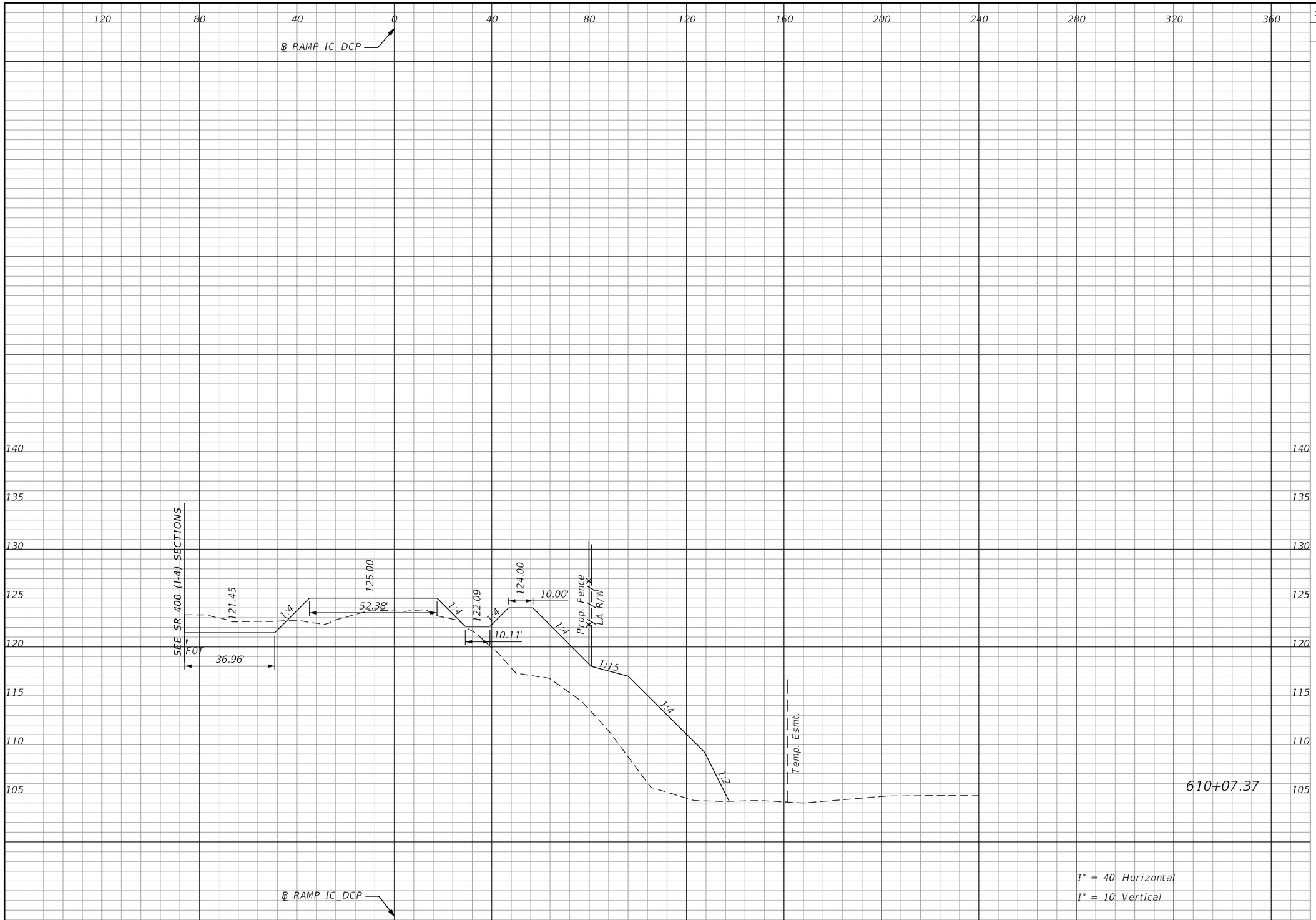
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IC_DCP CROSS SECTIONS

SHEET NO. 456



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	55.1	344.2	701.4	1595.8

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IC_DCP CROSS SECTIONS

SHEET NO. 457

robert.martini 8/22/2019 1:02:54 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_IC_DCP.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	32.0	162.9	3007.7	6935.2

1" = 40' Horizontal

1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

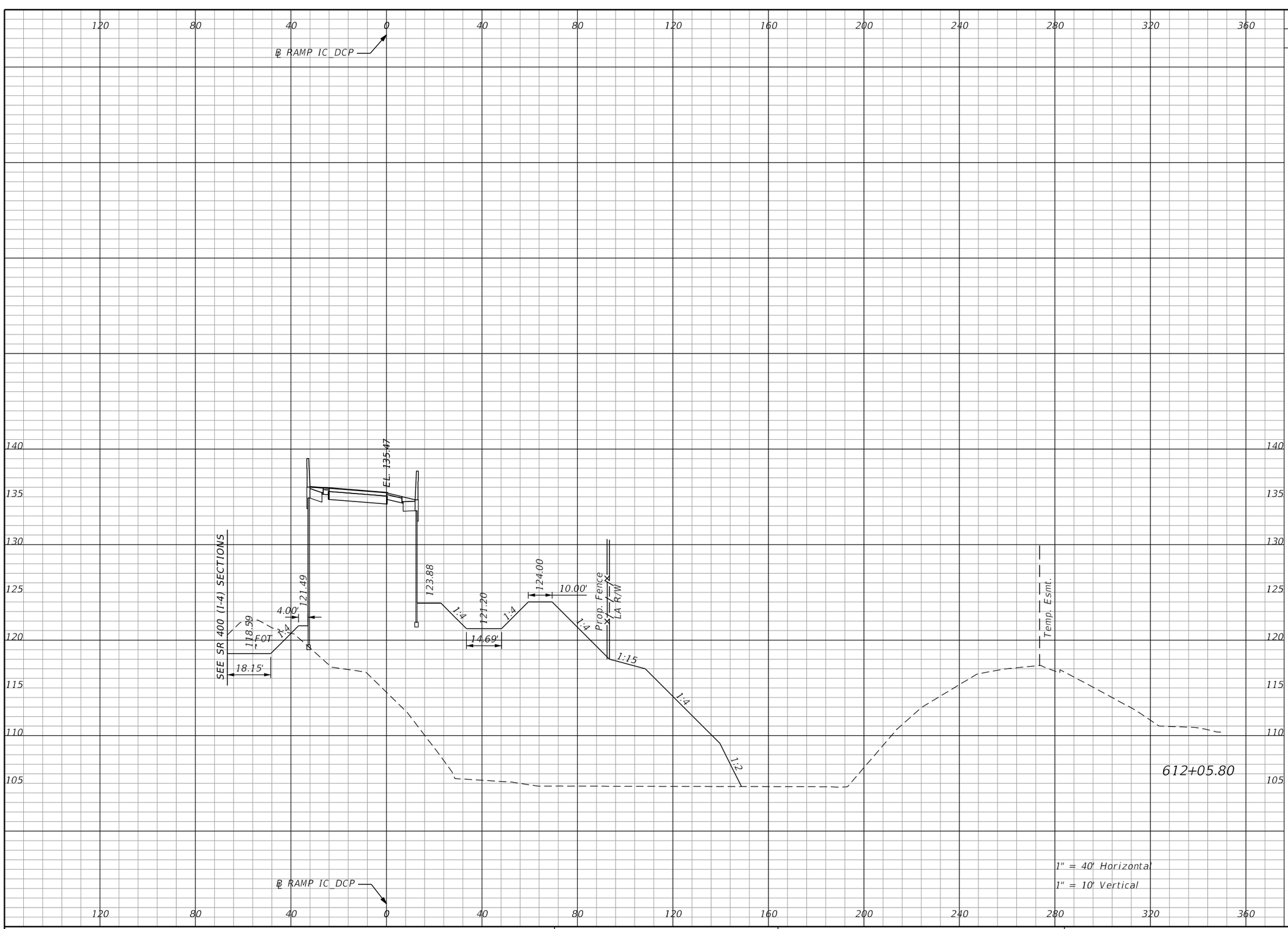
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IC_DCP
CROSS SECTIONS

SHEET NO.
458

robert.martini 8/22/2019 1:02:55 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_IC_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	67.3	179.3	2651.3	10213.5

1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

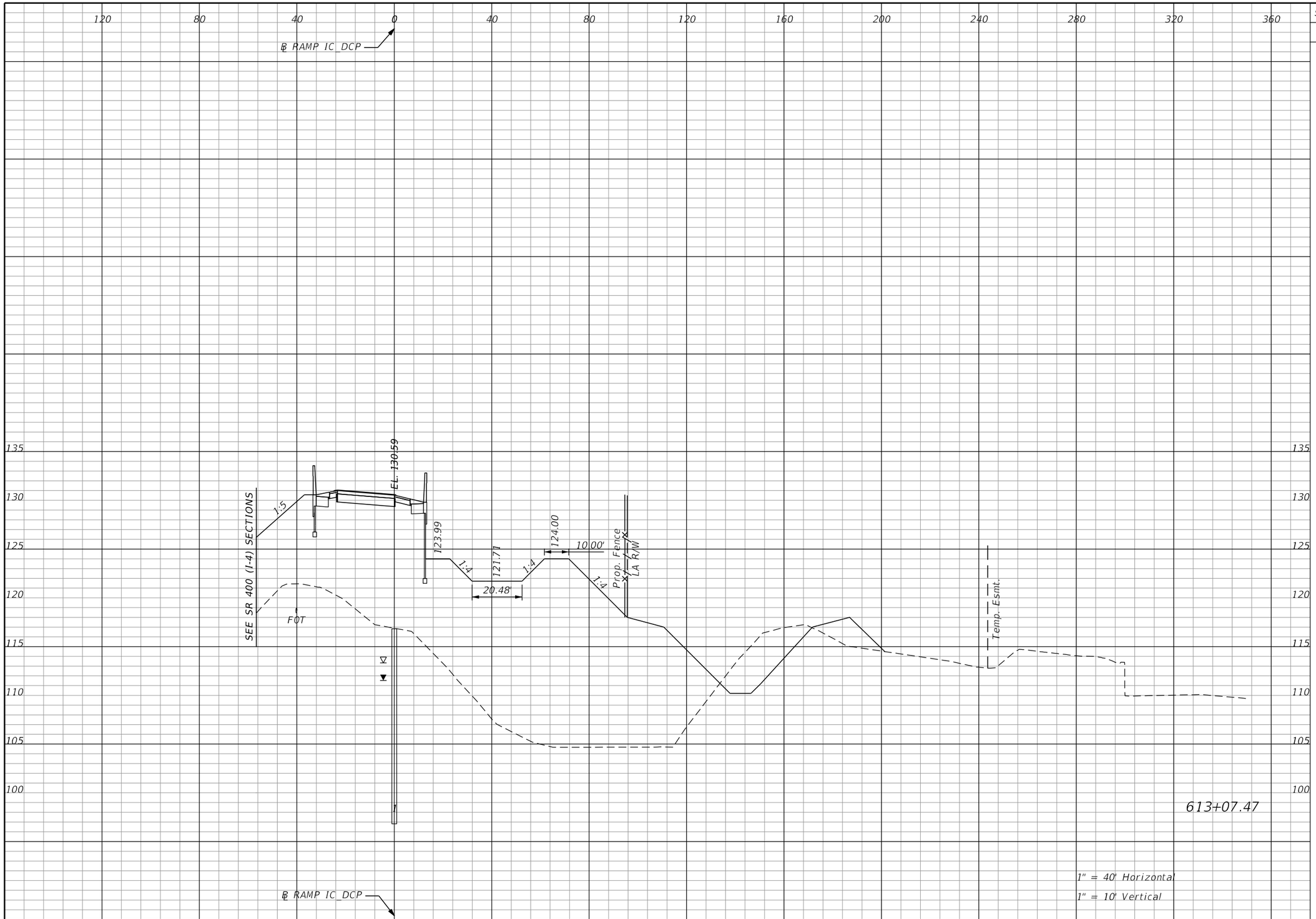
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IC_DCP CROSS SECTIONS

SHEET NO. 459



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	115.6	344.4	2337.8	9393.5

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

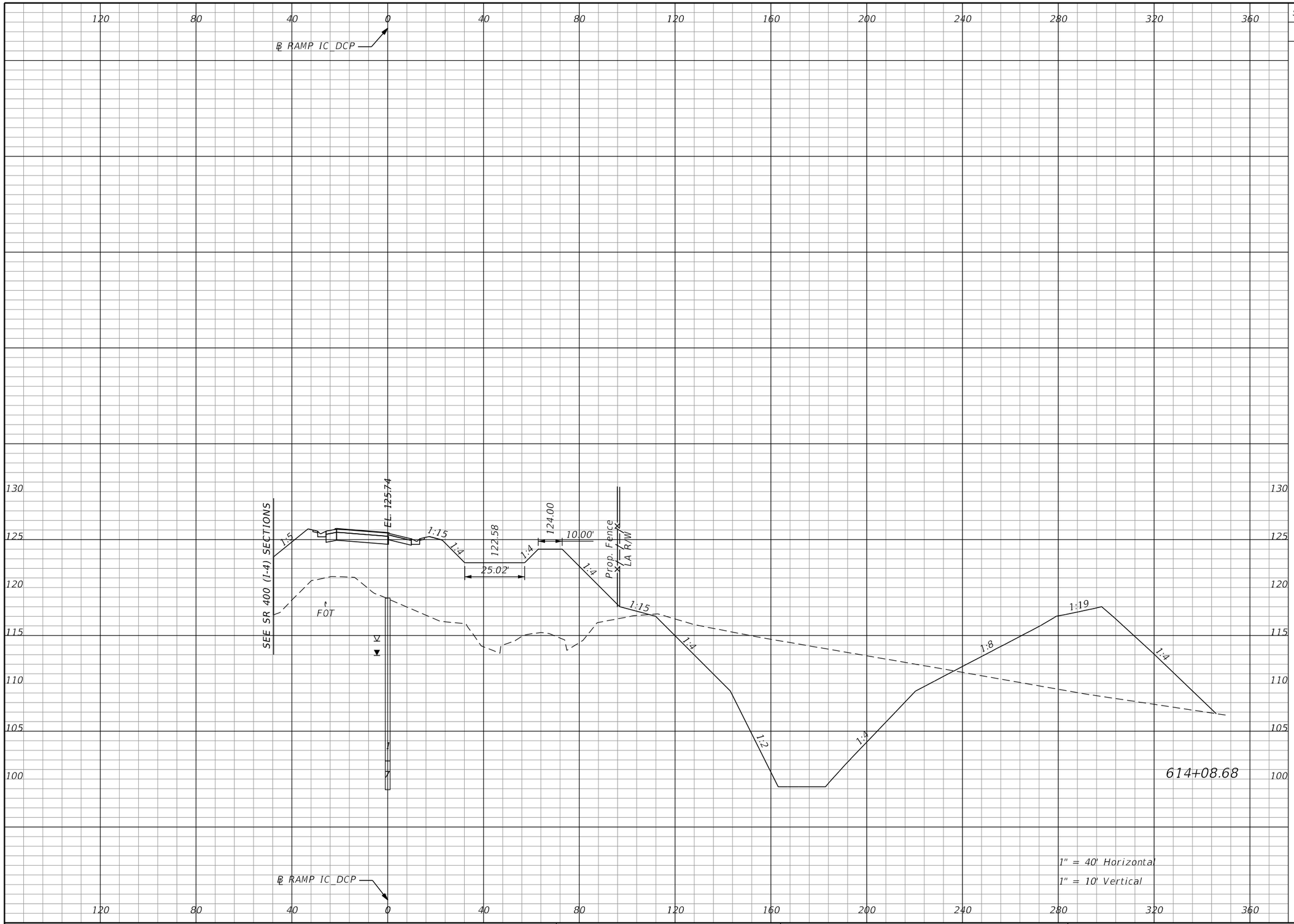
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IC_DCP
CROSS SECTIONS

SHEET NO. 460

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:02:57 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_IC_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	949.5	1996.4	1502.9	7198.4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

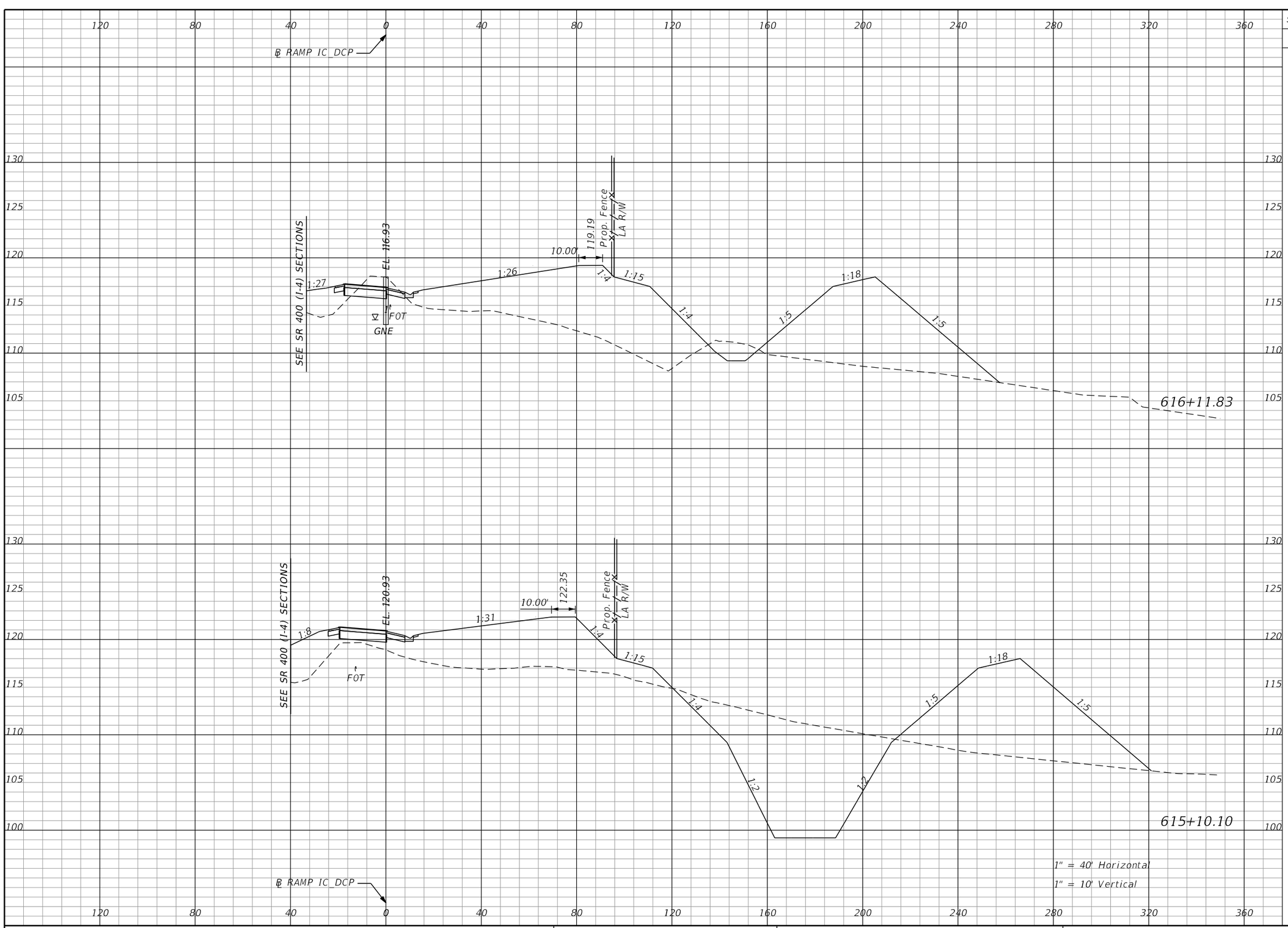
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IC_DCP
CROSS SECTIONS

SHEET NO. 461

robert.martini 8/22/2019 1:02:58 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_IC_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	61.6	1347.7	1173.1	4290.0
0.0	0.0	653.8	3011.4	1104.1	4896.3

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

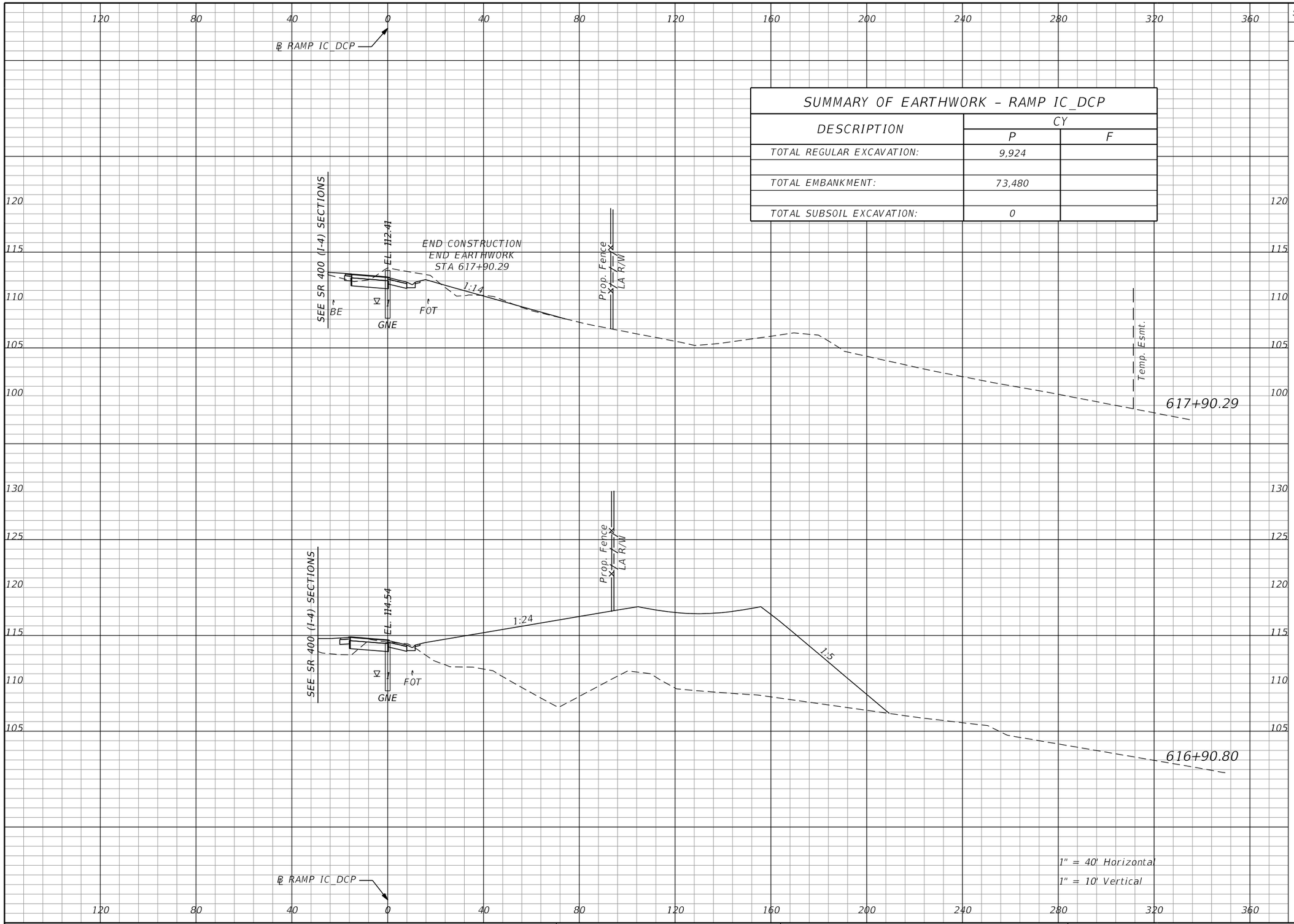
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IC_DCP
CROSS SECTIONS

SHEET NO. 462

robert.martini 8/22/2019 1:02:59 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_IC_DCP.DGN



SUMMARY OF EARTHWORK - RAMP IC_DCP

DESCRIPTION	CY	
	P	F
TOTAL REGULAR EXCAVATION:	9,924	
TOTAL EMBANKMENT:	73,480	
TOTAL SUBSOIL EXCAVATION:	0	

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		43.3		11.0	
	0.0		112.3		2247.9
0.0		17.6		1209.1	
	0.0		115.8		3483.8

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

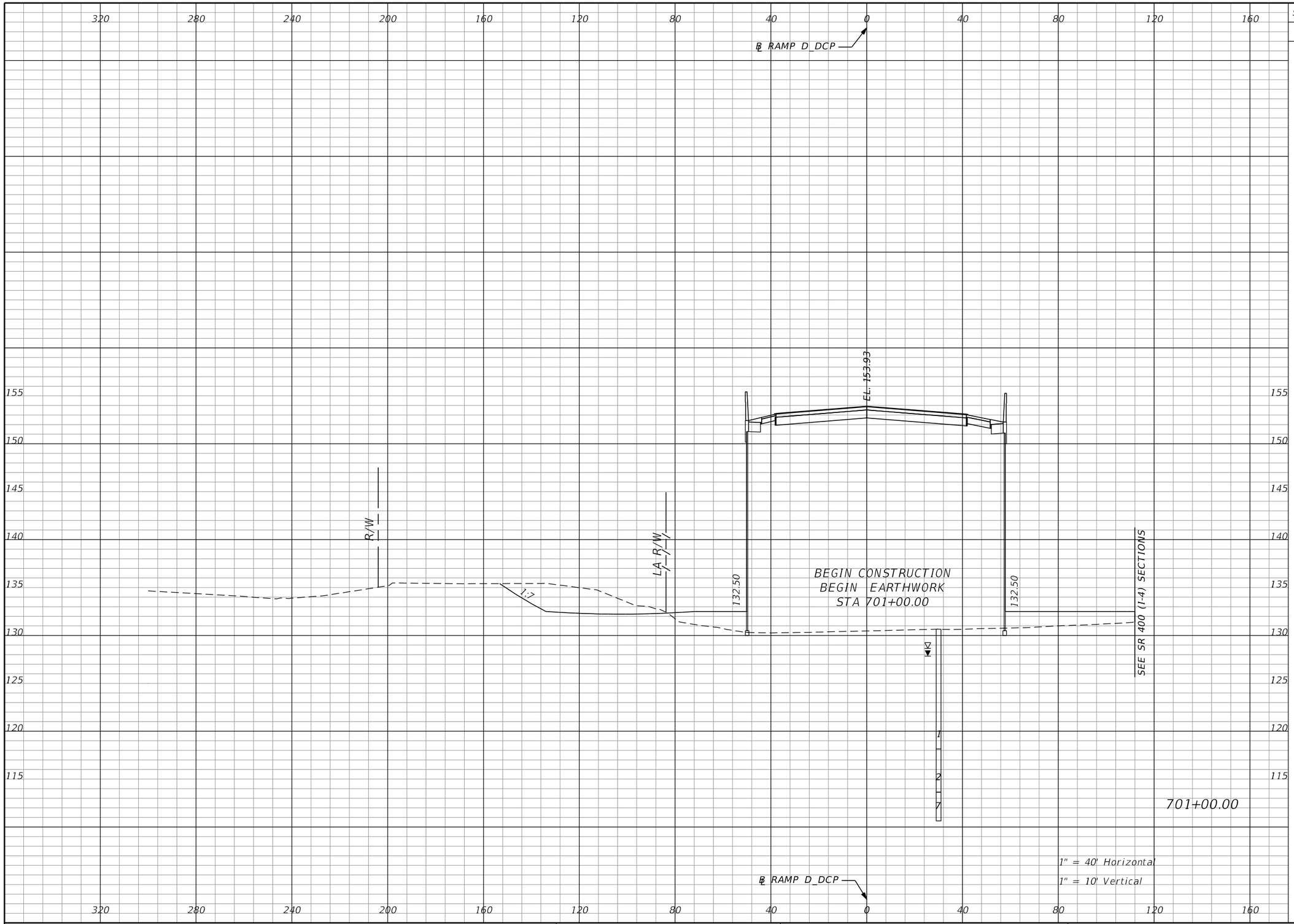
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP IC_DCP
CROSS SECTIONS

SHEET NO. 463

robert.martini 8/22/2019 1:03:00 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_IC_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	123.0	0.0	2444.1	0.0

1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

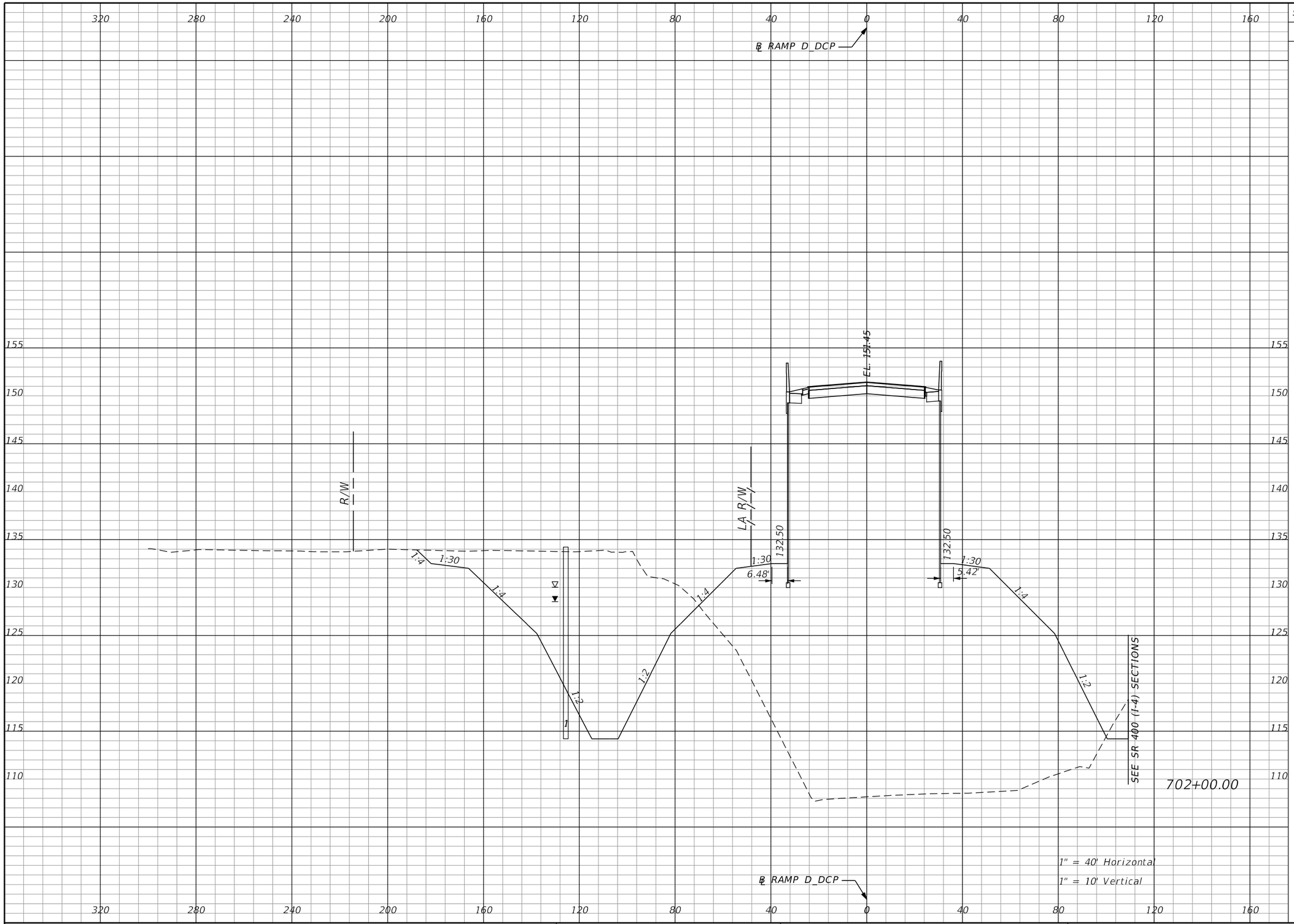
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP D_DCP
CROSS SECTIONS

SHEET NO. 464

robert.martini 8/22/2019 1:03:04 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_D_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	1044.0	2161.1	4179.5	12265.9

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

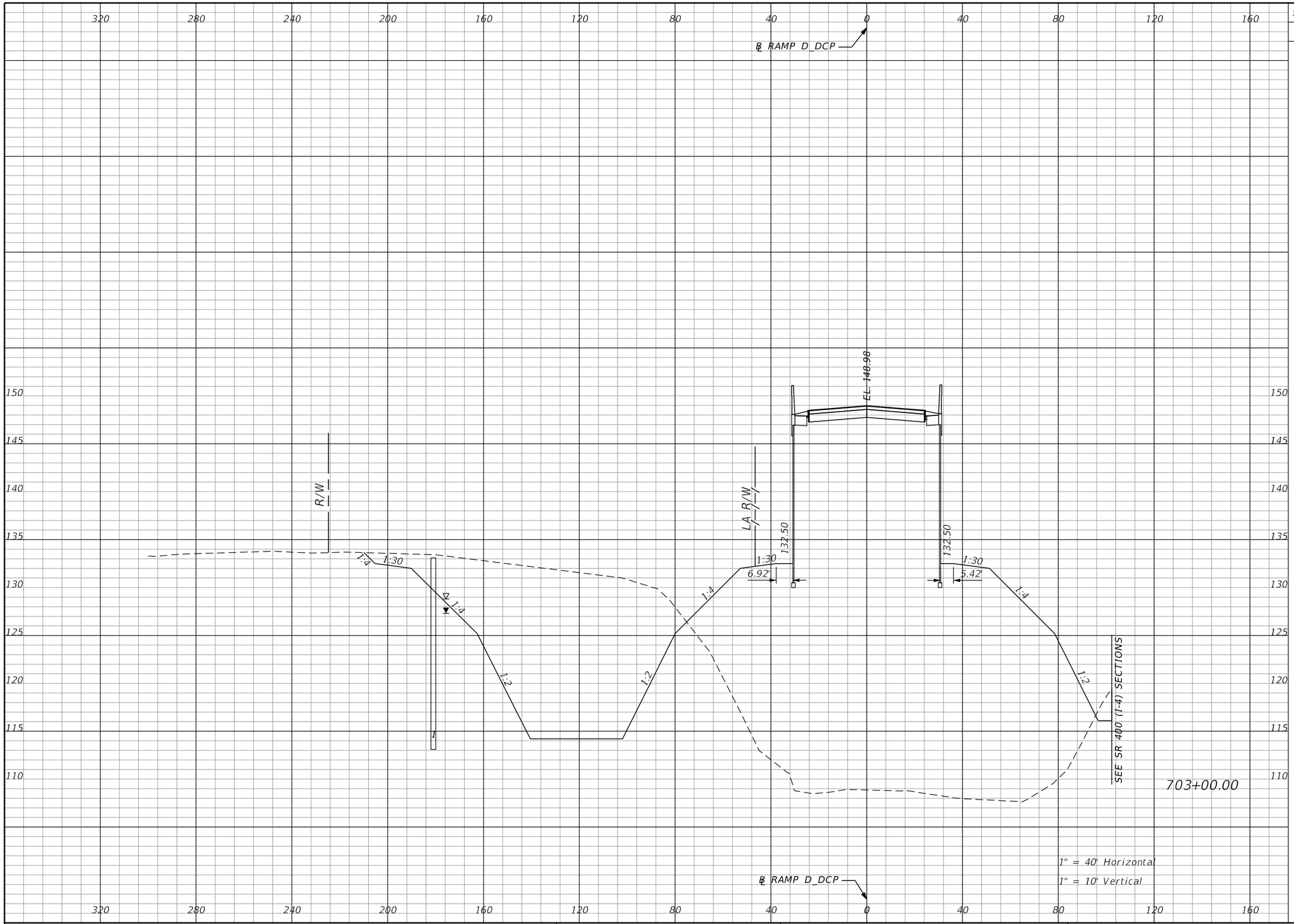
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP D_DCP CROSS SECTIONS

SHEET NO. 465



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	1349.7	4432.7	4146.9	15419.3

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

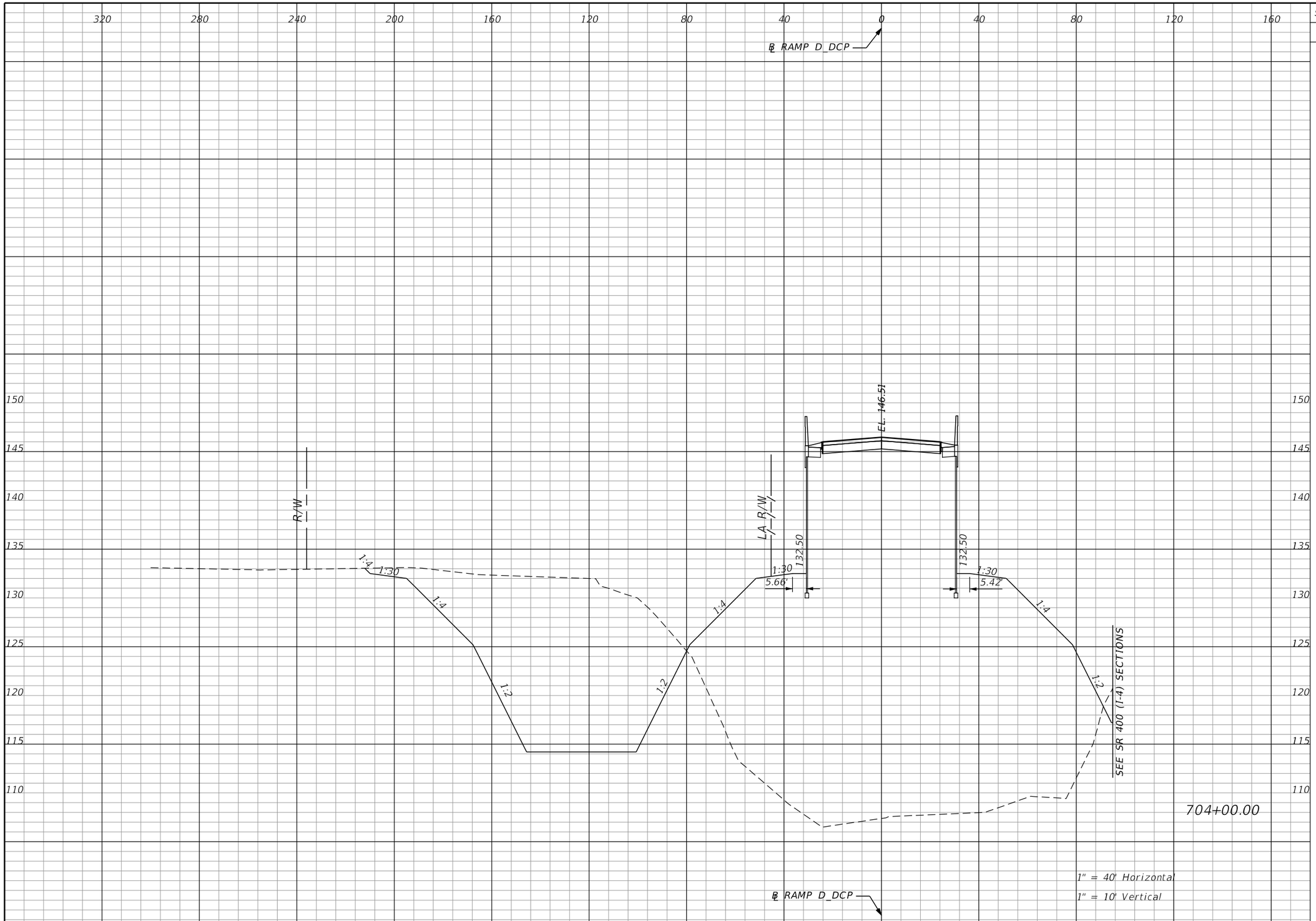
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP D_DCP CROSS SECTIONS

SHEET NO. 466

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:03:05 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_D_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		1363.1		4195.6	
	0.0		5023.7		15449.2

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

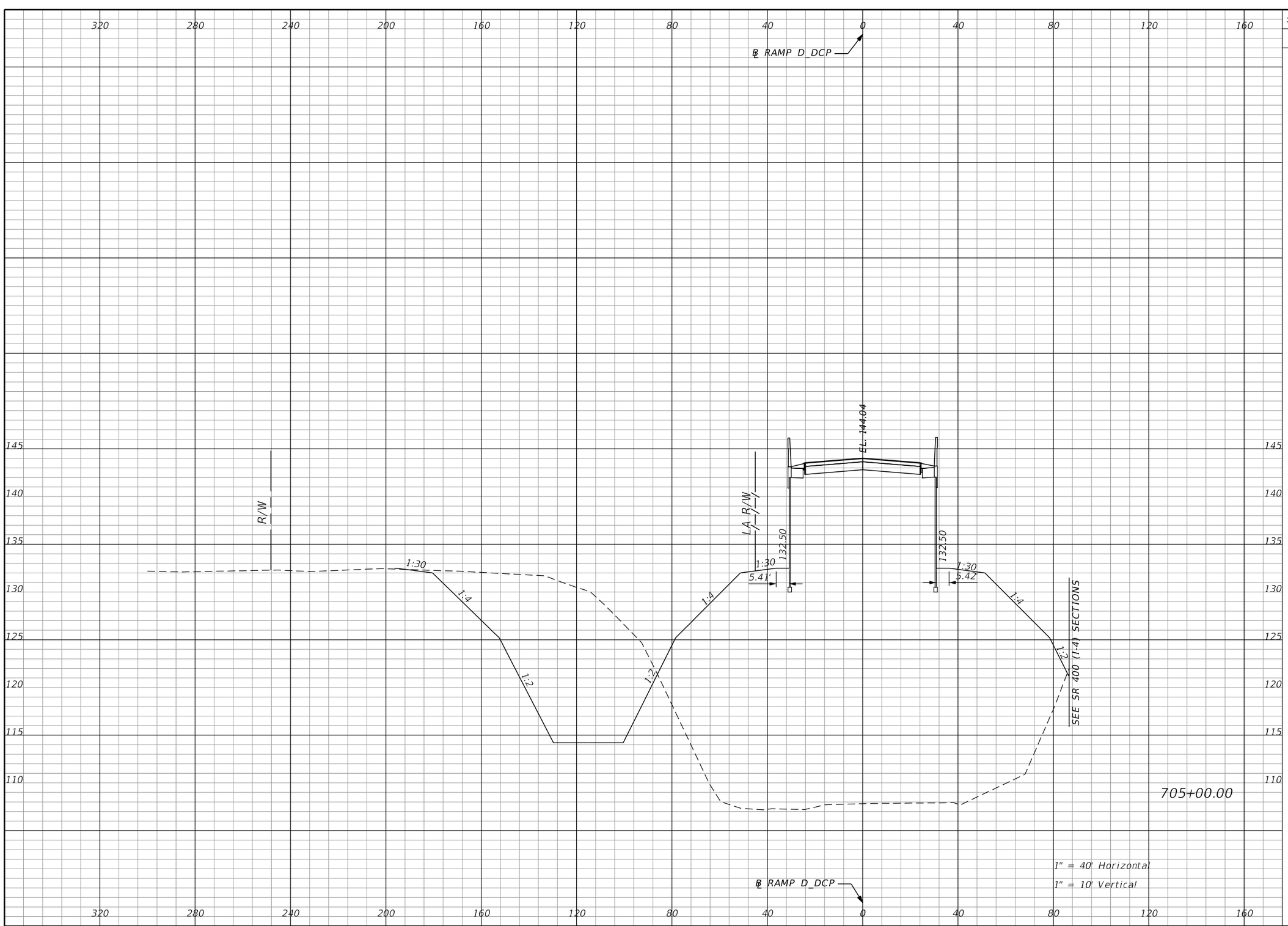
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP D_DCP
CROSS SECTIONS

SHEET NO. 467

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:03:06 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_D_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	921.7	4231.0	4142.1	15440.2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

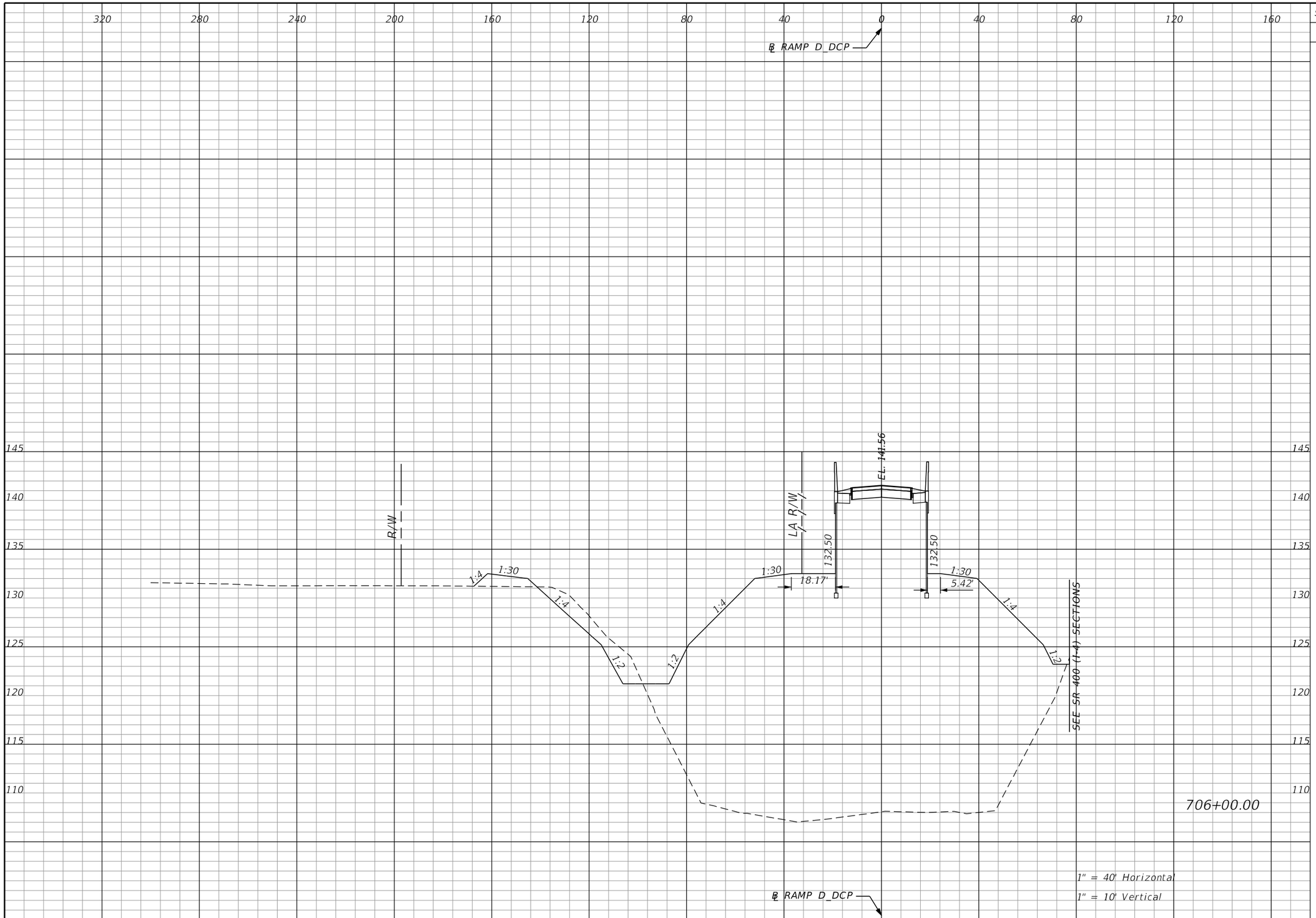
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP D_DCP CROSS SECTIONS

SHEET NO. 468

robert.martini 8/22/2019 1:03:07 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_D_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	80.1	1855.1	3701.2	14524.6

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

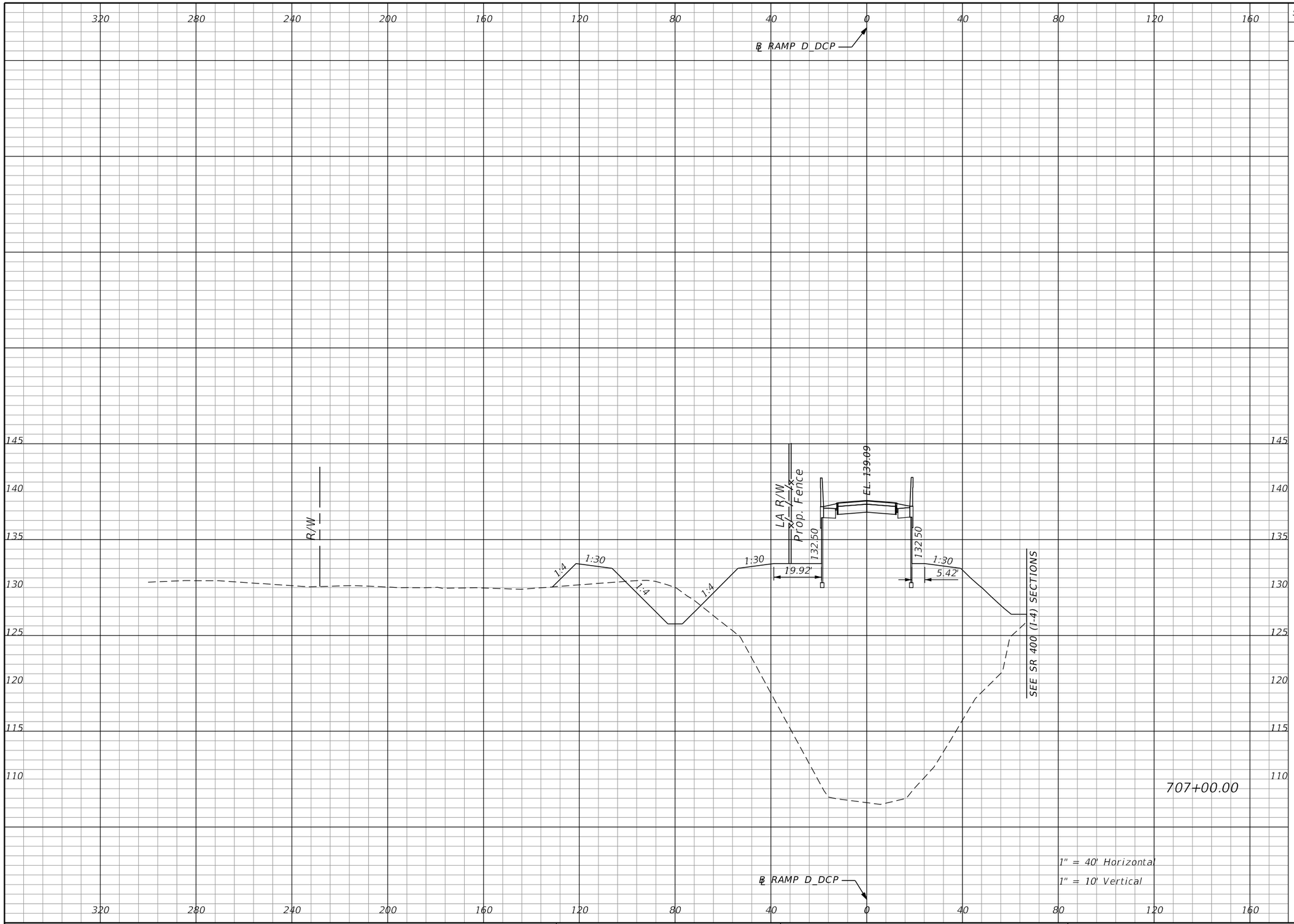
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP D_DCP
CROSS SECTIONS

SHEET NO. 469

robert.martini 8/22/2019 1:03:08 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_D_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	74.8	286.7	2374.6	11251.5

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

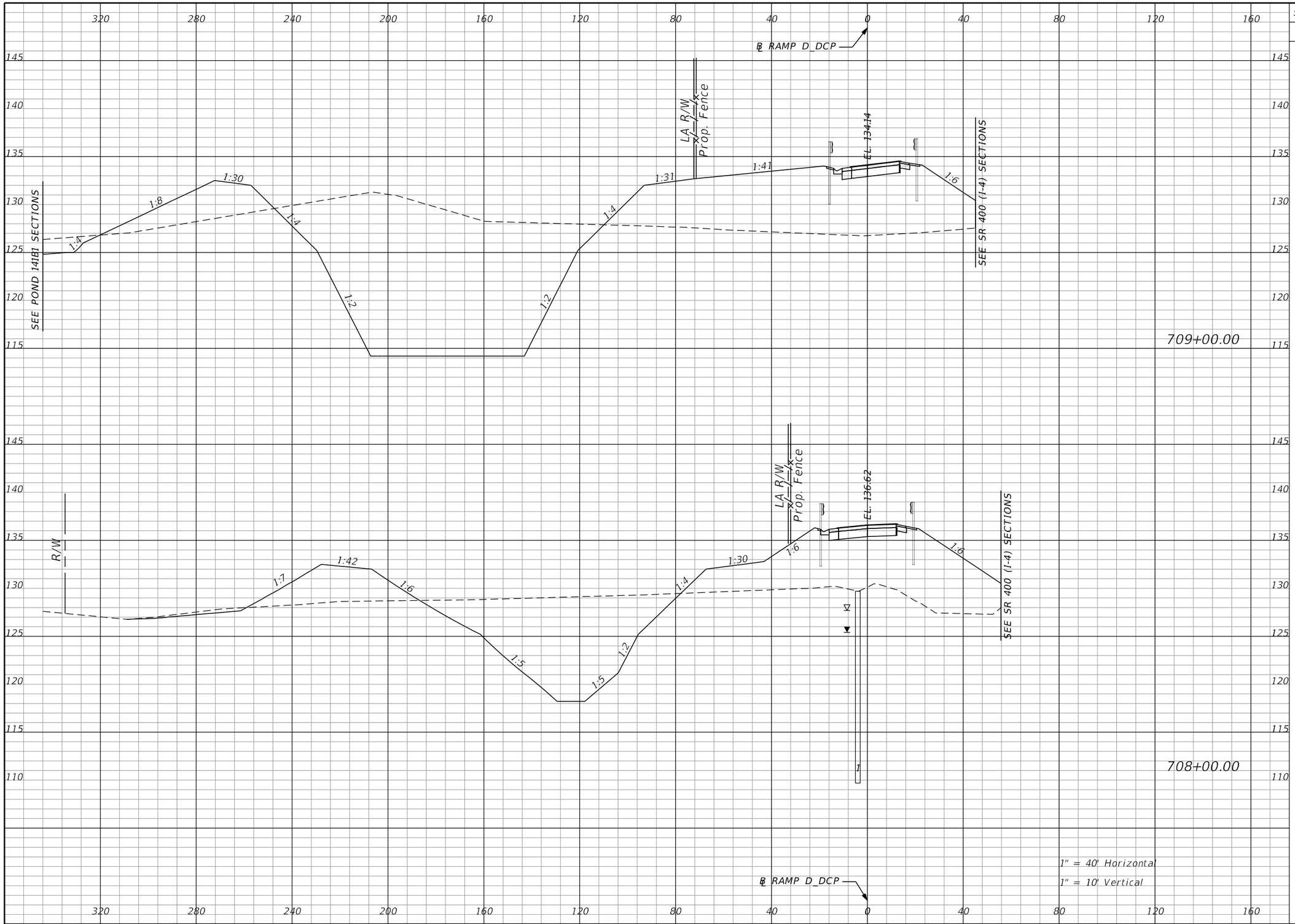
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP D_DCP CROSS SECTIONS

SHEET NO. 470

robert.martini 8/22/2019 1:03:09 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_D_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		1502.9		1002.7	
	0.0		3962.6		3324.2
0.0		636.9		792.3	
	0.0		1317.9		5864.6

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

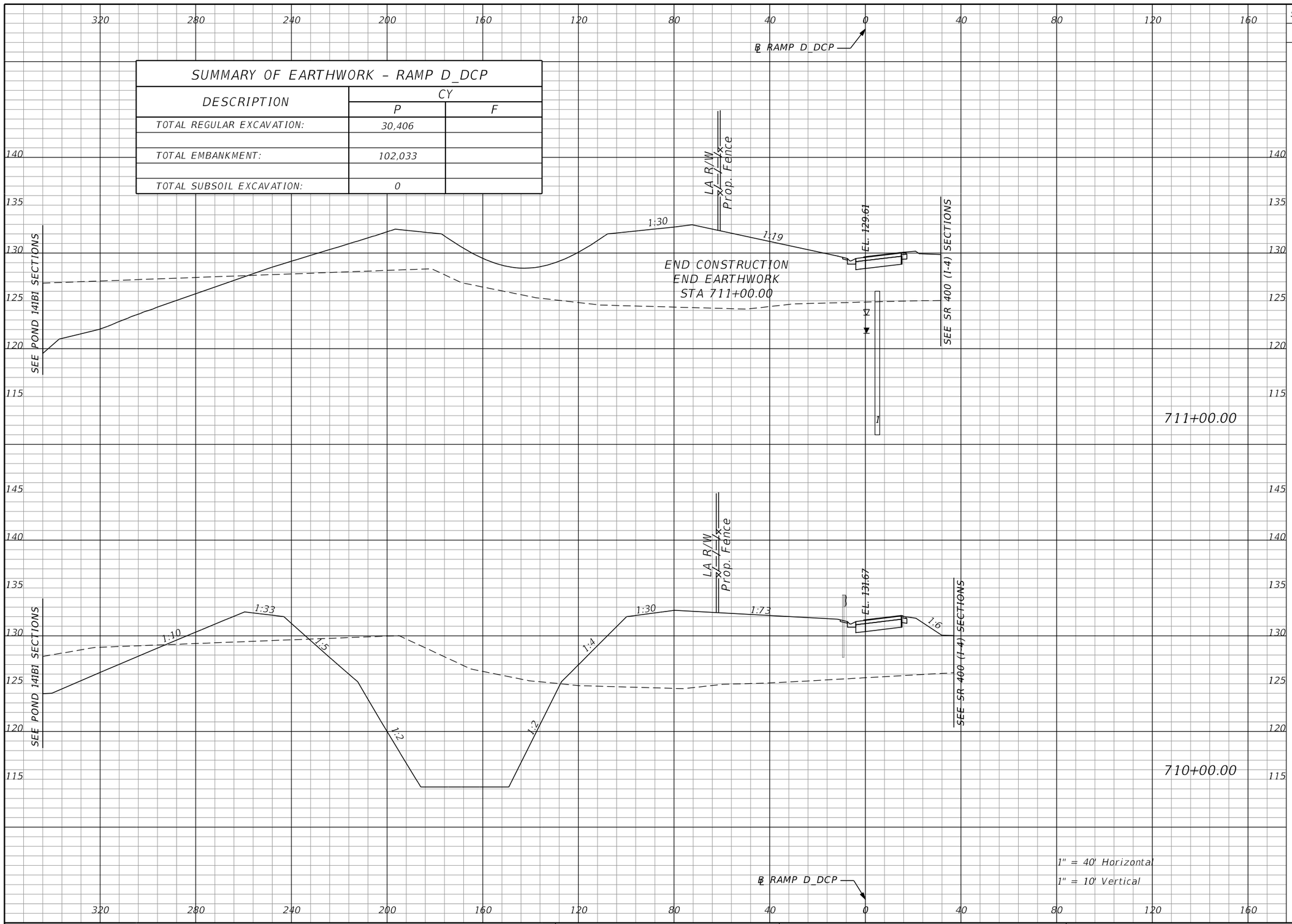
RAMP D_DCP CROSS SECTIONS

SHEET NO. 471

robert.martini 8/22/2019 1:03:09 PM c:\pwworking\aecom_na\rmartini\d0166331\RDXSRD01_D_DCP.DGN

SUMMARY OF EARTHWORK – RAMP D_DCP

DESCRIPTION	CY	
	P	F
TOTAL REGULAR EXCAVATION:	30,406	
TOTAL EMBANKMENT:	102,033	
TOTAL SUBSOIL EXCAVATION:	0	



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		290.3		1370.5	
	0.0		2444.4		4586.9
0.0		1029.7		1106.4	
	0.0		4690.0		3905.8

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

RAMP D_DCP CROSS SECTIONS

SHEET NO. 472

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:03:10 PM c:\pwworking\aecom_na\rmartini\d0166331\RDxSRD01_D_DCP.DGN

DATE OF SURVEY: 07/16 - 03/18
SURVEY MADE BY: R. ROBINSON, S. COOPER, T. GROWDEN
SUBMITTED BY: ERROL S. ABDULLA, P.E.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
MATERIALS AND RESEARCH

DISTRICT: FIVE
ROAD NO.: SR 400
COUNTY: ORANGE

FINANCIAL PROJECT ID: 242484-8-32-02

PROJECT NAME : SR 400 (I-4) FROM EAST OF SR522 (OSCEOLA PKWY)
TO WEST OF SR 528 (DARYL CARTER PARKWAY INTERCHANGE)

CROSS SECTION OF SOIL SURVEY

		ORGANIC CONTENT		MOISTURE CONTENT		SIEVE ANALYSIS RESULTS PERCENT PASS (%)						ATTERBERG LIMITS (%)					CORROSION TEST RESULTS				
STRATUM NO.	LBR VALUE	NO. OF TESTS	% ORGANIC	NO. OF TESTS	MOISTURE CONTENT	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX	AASHTO GROUP	DESCRIPTION	NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDES ppm	SULFATES ppm	pH
1	-	2	2-3	2	19-21	28	98-100	57-93	21-63	3-23	1-6	-	-	-	A-3	LIGHT BROWN TO DARK BROWN, ORANGE BROWN OR LIGHT GRAY TO GRAY FINE SAND TO FINE SAND WITH SILT, OCCASIONAL LIMEROCK GRAVEL AND ORGANIC MATERIAL	-	-	-	-	-
2	-	1	5	1	24	7	100	84-98	38-68	9-25	6-22	-	-	-	A-3 A-2-4	LIGHT BROWN TO DARK BROWN, GRAY BROWN, ORANGE BROWN OR LIGHT GRAY TO DARK GRAY FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A-3 A-2-4	LIGHT BROWN TO BROWN OR ORANGE BROWN FINE SAND WITH CLAY TO CLAYEY FINE SAND OR SILTY CLAYEY FINE SAND	-	-	-	-	-
4	-	-	-	3	9-19	3	100	95-98	79-82	60-64	40-45	3	26-32	11-17	A-2-6 A-6	LIGHT BROWN CLAYEY FINE SAND TO SANDY CLAY, OCCASIONAL ORGANIC MATERIAL	-	-	-	-	-
5	-	-	-	1	21	1	100	100	98	96	69	1	46	27	A-2-7 A-7-5 A-7-6	LIGHT BROWN TO BROWN OR LIGHT GRAY SANDY CLAY TO CLAY, OCCASIONAL ORGANIC MATERIAL	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A-8	DARK BROWN TO VERY DARK BROWN MUCKY FINE SAND TO ORGANIC MUCK, OCCASIONAL WOOD FRAGMENTS	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	LIMEROCK ROAD BASE	-	-	-	-	-

NOTES

1. THE DATA SHOWN IS FROM THE POND BORINGS ONLY. SOIL BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY. ANY SUBSOIL CONNECTING LINES THAT ARE SHOWN ARE FOR ESTIMATING EARTHWORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED AS INDICATED IN ARTICLE 2-4 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. FOR FURTHER DETAILS SEE ARTICLE 120-3.
2. WATER TABLE SHOWN AS ▼ WHERE ENCOUNTERED AT TIME OF SURVEY. GROUNDWATER NOT ENCOUNTERED SHOWN AS "GNE". ESTIMATED SEASONAL HIGH SHOWN AS ▽.
3. REMOVAL OF MUCK AND PLASTIC MATERIAL OCCURRING WITHIN ROADWAY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH INDEX NO. 500 OF THE FDOT DESIGN STANDARDS UNLESS OTHERWISE SHOWN ON PLANS. THE MATERIAL USED IN EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH INDEX NO. 505 OF THE FDOT DESIGN STANDARDS.
4. THE SYMBOL "-" REPRESENTS AN UNMEASURED PARAMETER.
5. STRATA NOS. 1, 2 AND 3 SHALL BE TREATED AS SELECT (S) MATERIAL IN ACCORDANCE WITH FDOT INDEX NO. 500 AND INDEX NO. 505.
6. STRATA 2 AND 3 MAY RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT.
7. STRATUM 4 SHALL BE TREATED AS PLASTIC (P) MATERIAL IN ACCORDANCE WITH FDOT INDEX NO. 505.
8. STRATUM 5 SHALL BE TREATED AS HIGH PLASTIC (H) MATERIAL IN ACCORDANCE WITH FDOT INDEX NO. 505.
9. STRATUM 6 SHALL BE TREATED AS MUCK (M) IN ACCORDANCE WITH FDOT INDEX NO. 505.
10. 'NP' DENOTES NON-PLASTIC.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Errol S. Abdulla, P.E.
P.E. License No. 74803
AWK Consulting Engineers, INC.
6457 Hazeltine National Dr.
Suite 150
Orlando, FL 32822
PH (407) 203-3804 FAX 888-282-9897
Certificate of Authorization No. 00029901
AWK CONSULTING ENGINEERS, INC.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

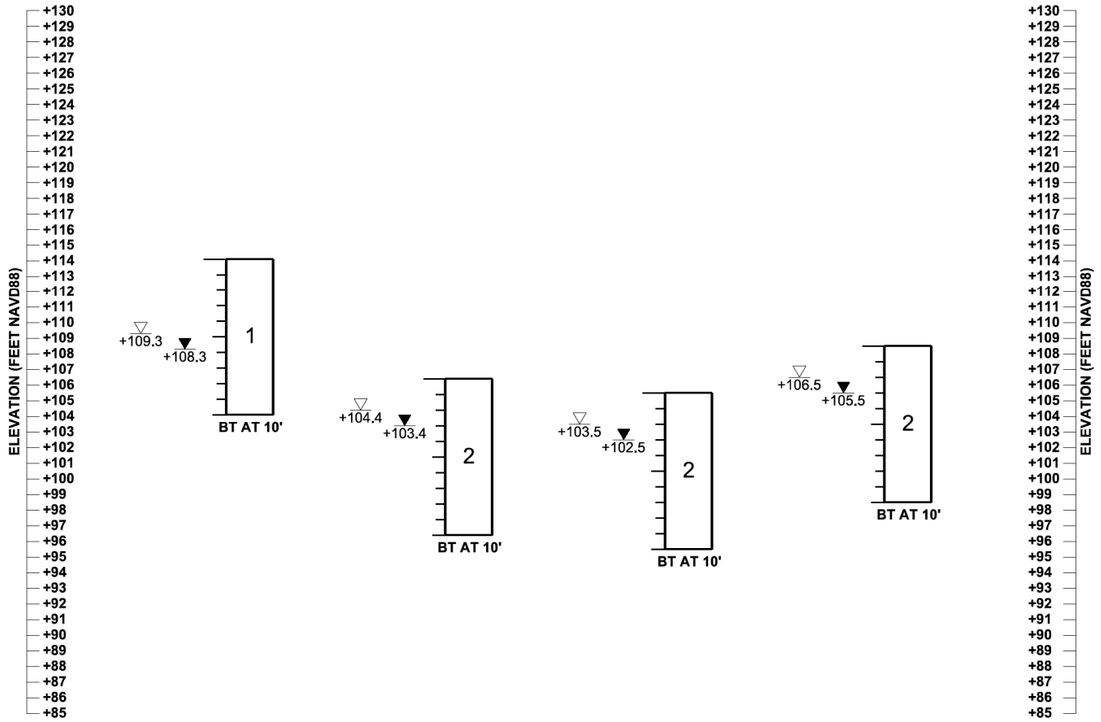
ROADWAY SOIL SURVEY - PONDS (1)

SHEET NO. 473

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SWALES SW138B1 THROUGH B3

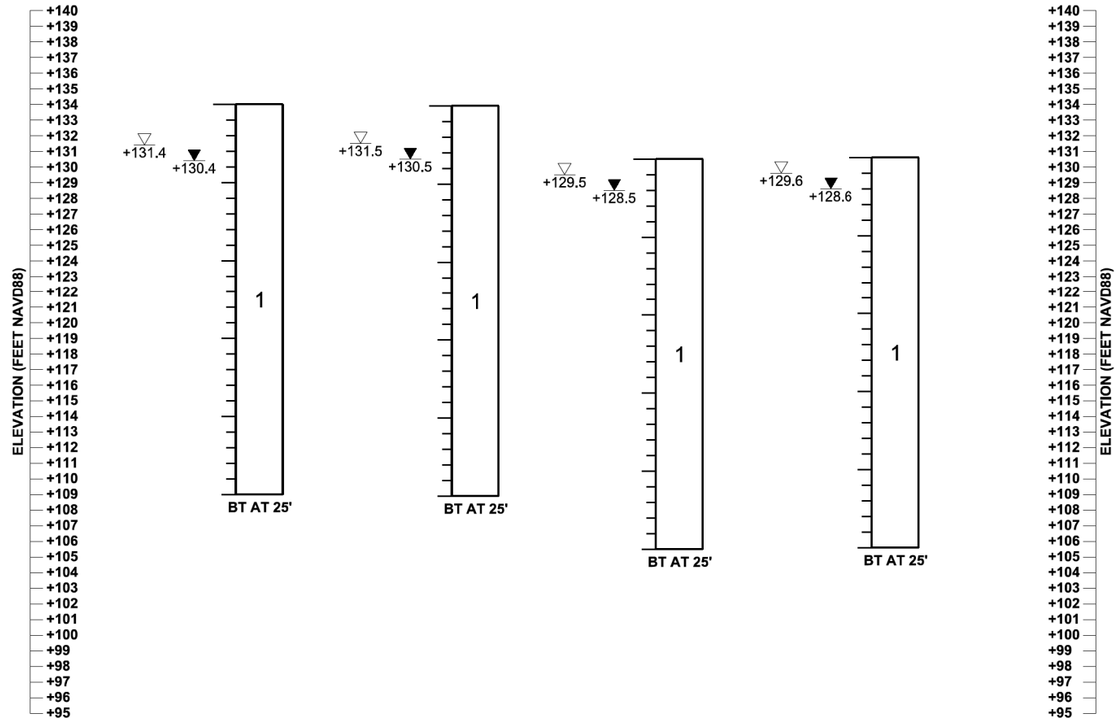
BORING ID	SW-1	SW-2	SW-3	SW-4
NORTHING	N: 1470959.1	N: 1471350.6	N: 1471967.1	N: 1472513.8
EASTING	E: 494436.0	E: 494744.5	E: 495240.5	E: 495676.8
GSE	+114.1	+106.4	+105.5	+108.5
DATE DRILLED	10-4-17	10-4-17	10-4-17	10-4-17



POND 140B1

POND 140B2

BORING ID	PB140B1-1	PB140B1-2	PB140B2-1	PB140B2-2
NORTHING	N: 1476895.7	N: 1477107.7	N: 1477670.8	N: 1477477.6
EASTING	E: 498976.9	E: 499148.0	E: 499604.0	E: 499448.4
GSE	+134.0	+133.9	+130.5	+130.6
DATE DRILLED	10-6-17	10-6-17	10-4-17	10-4-17

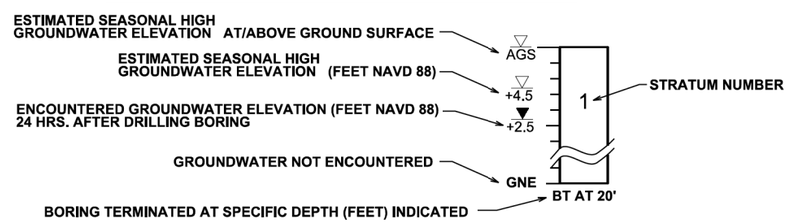


STRATUM NO.	AASHTO CLASSIFICATION	SOIL DESCRIPTION
1	A-3	LIGHT BROWN TO DARK BROWN, ORANGE BROWN OR LIGHT GRAY TO GRAY FINE SAND TO FINE SAND WITH SILT, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL
2	A-3, A-2-4	LIGHT BROWN TO DARK BROWN, GRAY BROWN, ORANGE BROWN OR LIGHT GRAY TO DARK GRAY FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL
3	A-3, A-2-4	LIGHT BROWN TO BROWN OR ORANGE BROWN FINE SAND WITH CLAY TO CLAYEY FINE SAND OR SILTY CLAYEY FINE SAND
4	A-2-6, A-6	LIGHT BROWN CLAYEY FINE SAND TO SANDY CLAY, OCCASIONAL ORGANIC MATERIAL
5	A-2-7, A-7-5, A-7-6	LIGHT BROWN TO BROWN OR LIGHT GRAY SANDY CLAY TO CLAY, OCCASIONAL ORGANIC MATERIAL
6	A-8	DARK BROWN TO VERY DARK BROWN MUCKY FINE SAND TO ORGANIC MUCK, OCCASIONAL WOOD FRAGMENTS
7	--	LIMEROCK ROAD BASE

NOTE:

BORING LOCATIONS WERE SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY GEODATA, AECOM, DEWBERRY AND CARDNO.

BORING LEGEND



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

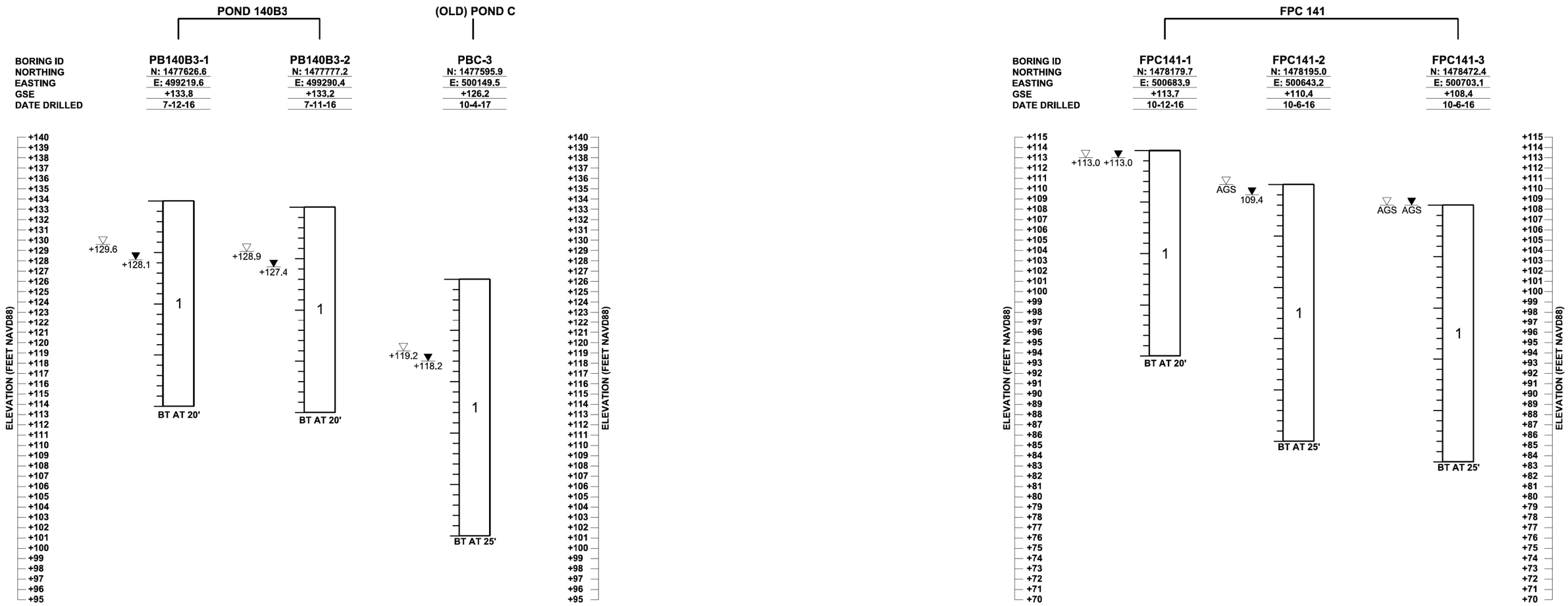
ERROL S. ABDULLA, P.E.
P.E. License No. 74803
AWK Consulting Engineers, INC.
6457 Hazeltine National Dr.
Suite 150
Orlando, FL 32822
PH (407) 203-3804 FAX 888-282-9897
Certificate of Authorization No. 00029901

AWK CONSULTING ENGINEERS, INC.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

ROADWAY SOIL SURVEY - PONDS (2)

SHEET NO. 474

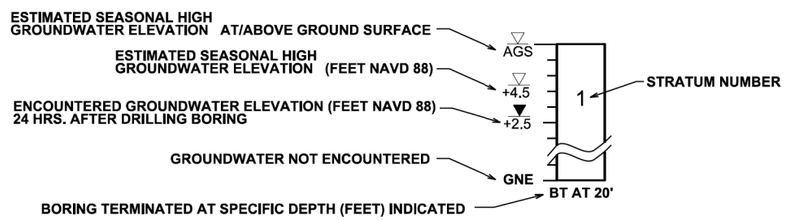


STRATUM NO.	AASHTO CLASSIFICATION	SOIL DESCRIPTION
1	A-3	LIGHT BROWN TO DARK BROWN, ORANGE BROWN OR LIGHT GRAY TO GRAY FINE SAND TO FINE SAND WITH SILT, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL
2	A-3, A-2-4	LIGHT BROWN TO DARK BROWN, GRAY BROWN, ORANGE BROWN OR LIGHT GRAY TO DARK GRAY FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL
3	A-3, A-2-4	LIGHT BROWN TO BROWN OR ORANGE BROWN FINE SAND WITH CLAY TO CLAYEY FINE SAND OR SILTY CLAYEY FINE SAND
4	A-2-6, A-6	LIGHT BROWN CLAYEY FINE SAND TO SANDY CLAY, OCCASIONAL ORGANIC MATERIAL
5	A-2-7, A-7-5, A-7-6	LIGHT BROWN TO BROWN OR LIGHT GRAY SANDY CLAY TO CLAY, OCCASIONAL ORGANIC MATERIAL
6	A-8	DARK BROWN TO VERY DARK BROWN MUCKY FINE SAND TO ORGANIC MUCK, OCCASIONAL WOOD FRAGMENTS
7	--	LIMEROCK ROAD BASE

NOTE:

POND BORING LOCATIONS WERE SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY GEODATA, AECOM, DEWBERRY AND CARDNO.

BORING LEGEND



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ERROL S. ABDULLA, P.E.
P.E. License No. 74803
AWK Consulting Engineers, INC.
6457 Hazeltine National Dr.
Suite 150
Orlando, FL 32822
PH (407) 203-3804 FAX 888-282-9897
Certificate of Authorization No. 00029901

AWK CONSULTING ENGINEERS, INC.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

ROADWAY SOIL SURVEY - PONDS (3)

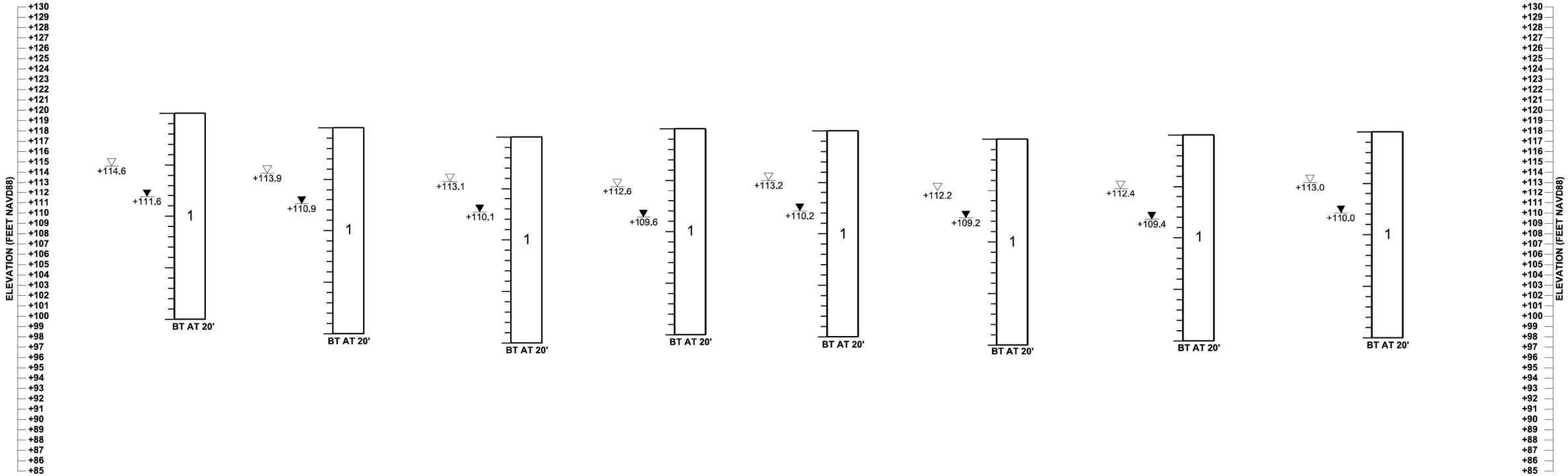
SHEET NO. 475

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:03:40 PM c:\pwworking\aecom_na\rmartini\d0164805\RDSSGE004_Pond.DGN

POND 141

BORING ID	PB141-1	PB141-2	PB141-3	PB141-4	PB141-5	PB141-6	PB141-7	PB141-8
NORTHING	N: 1478938.8	N: 1479094.7	N: 1479285.6	N: 1479433.0	N: 1479115.1	N: 1479282.2	N: 1479509.6	N: 1479582.1
EASTING	E: 499604.7	E: 499644.5	E: 499625.2	E: 499661.6	E: 499761.6	E: 499767.9	E: 499801.3	E: 499843.6
GSE	+119.7	+118.3	+117.4	+118.2	+118.0	+117.2	+117.6	+117.9
DATE DRILLED	3-8-18	3-8-18	3-8-18	3-8-18	3-8-18	3-8-18	3-8-18	3-8-18

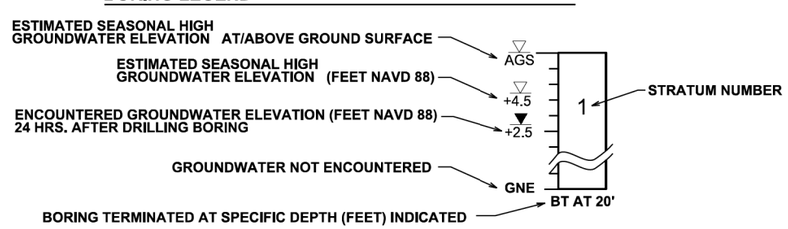


STRATUM NO.	AASHTO CLASSIFICATION	SOIL DESCRIPTION
1	A-3	LIGHT BROWN TO DARK BROWN, ORANGE BROWN OR LIGHT GRAY TO GRAY FINE SAND TO FINE SAND WITH SILT, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL
2	A-3, A-2-4	LIGHT BROWN TO DARK BROWN, GRAY BROWN, ORANGE BROWN OR LIGHT GRAY TO DARK GRAY FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL
3	A-3, A-2-4	LIGHT BROWN TO BROWN OR ORANGE BROWN FINE SAND WITH CLAY TO CLAYEY FINE SAND OR SILTY CLAYEY FINE SAND
4	A-2-6, A-6	LIGHT BROWN CLAYEY FINE SAND TO SANDY CLAY, OCCASIONAL ORGANIC MATERIAL
5	A-2-7, A-7-5, A-7-6	LIGHT BROWN TO BROWN OR LIGHT GRAY SANDY CLAY TO CLAY, OCCASIONAL ORGANIC MATERIAL
6	A-8	DARK BROWN TO VERY DARK BROWN MUCKY FINE SAND TO ORGANIC MUCK, OCCASIONAL WOOD FRAGMENTS
7	--	LIMEROCK ROAD BASE

NOTE:

POND BORING LOCATIONS WERE SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY GEODATA, AECOM, DEWBERRY AND CARDNO.

BORING LEGEND



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ERROL S. ABDULLA, P.E.
P.E. License No. 74803
AWK Consulting Engineers, INC.
6457 Hazeltine National Dr.
Suite 150
Orlando, FL 32822
PH (407) 203-3804 FAX 888-282-9897
Certificate of Authorization No. 00029901

AWK CONSULTING ENGINEERS, INC.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

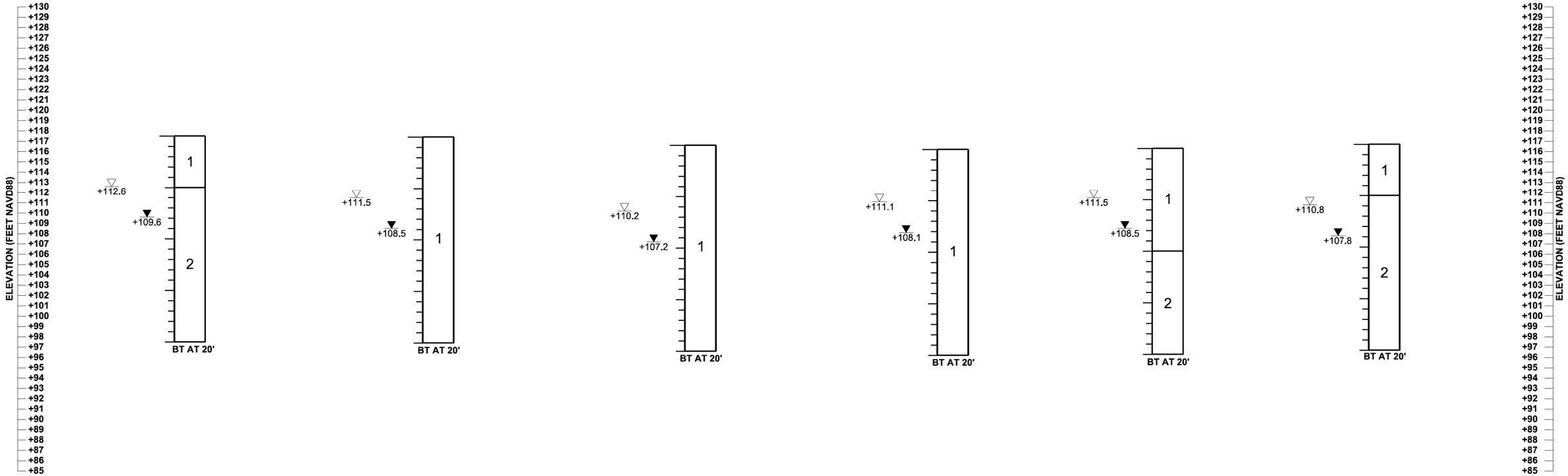
ROADWAY SOIL SURVEY - PONDS (4)

SHEET NO. 476

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

POND 141

BORING ID	PB141-9	PB141-10	PB141-11	PB141-12	PB141-13	PB141-14
NORTHING	N: 1479105.2	N: 1479329.4	N: 1479409.1	N: 1479550.0	N: 1479213.5	N: 1479356.7
EASTING	E: 499872.4	E: 499878.8	E: 499916.6	E: 499939.4	E: 500018.6	E: 500025.6
GSE	+117.5	+117.4	+116.6	+116.2	+116.3	+116.7
DATE DRILLED	3-8-18	3-8-18	3-8-18	3-8-18	3-8-18	3-8-18

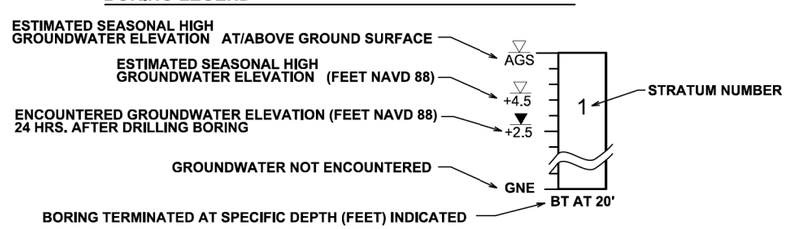


STRATUM NO.	AASHTO CLASSIFICATION	SOIL DESCRIPTION
1	A-3	LIGHT BROWN TO DARK BROWN, ORANGE BROWN OR LIGHT GRAY TO GRAY FINE SAND TO FINE SAND WITH SILT, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL
2	A-3, A-2-4	LIGHT BROWN TO DARK BROWN, GRAY BROWN, ORANGE BROWN OR LIGHT GRAY TO DARK GRAY FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL
3	A-3, A-2-4	LIGHT BROWN TO BROWN OR ORANGE BROWN FINE SAND WITH CLAY TO CLAYEY FINE SAND OR SILTY CLAYEY FINE SAND
4	A-2-6, A-6	LIGHT BROWN CLAYEY FINE SAND TO SANDY CLAY, OCCASIONAL ORGANIC MATERIAL
5	A-2-7, A-7-5, A-7-6	LIGHT BROWN TO BROWN OR LIGHT GRAY SANDY CLAY TO CLAY, OCCASIONAL ORGANIC MATERIAL
6	A-8	DARK BROWN TO VERY DARK BROWN MUCKY FINE SAND TO ORGANIC MUCK, OCCASIONAL WOOD FRAGMENTS
7	--	LIMEROCK ROAD BASE

NOTE:

POND BORING LOCATIONS WERE SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY GEODATA, AECOM, DEWBERRY AND CARDNO.

BORING LEGEND



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ERROL S. ABDULLA, P.E.
P.E. License No. 74803
AWK Consulting Engineers, INC.
6457 Hazeltine National Dr.
Suite 150
Orlando, FL 32822
PH (407) 203-3804 FAX 888-282-9897
Certificate of Authorization No. 00029901

AWK CONSULTING ENGINEERS, INC.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

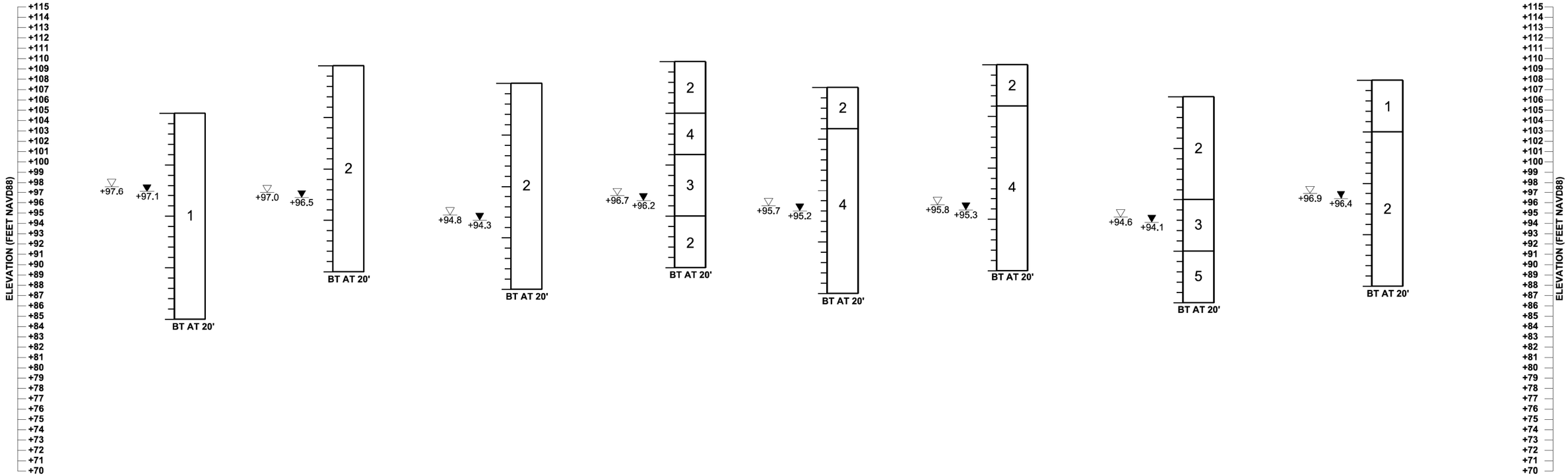
ROADWAY SOIL SURVEY - PONDS (5)

SHEET NO. 477

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

POND 142

BORING ID	P142-1	P142-2	P142-3	P142-4	P142-5	P142-6	P142-7	P142-8
NORTHING	N: 1481286.6	N: 1481404.5	N: 1481608.5	N: 1481754.4	N: 1481970.8	N: 1482093.3	N: 1482288.6	N: 1482399.5
EASTING	E: 501558.2	E: 501691.0	E: 501765.7	E: 501943.0	E: 501984.5	E: 502157.2	E: 502212.1	E: 502409.8
GSE	+104.7	+109.3	+107.6	+109.7	+107.2	+109.4	+106.3	+107.9
DATE DRILLED	9-30-16	9-30-16	9-30-16	9-30-16	9-30-16	9-30-16	10-4-16	10-4-16

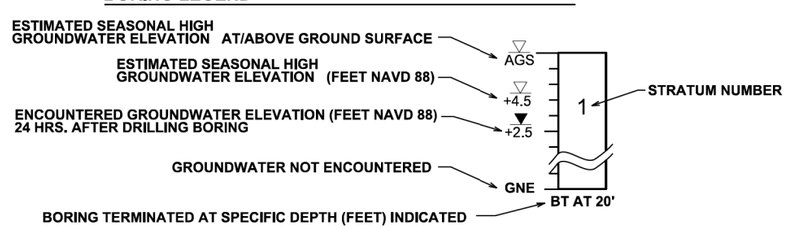


STRATUM NO.	AASHTO CLASSIFICATION	SOIL DESCRIPTION
1	A-3	LIGHT BROWN TO DARK BROWN, ORANGE BROWN OR LIGHT GRAY TO GRAY FINE SAND TO FINE SAND WITH SILT, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL
2	A-3, A-2-4	LIGHT BROWN TO DARK BROWN, GRAY BROWN, ORANGE BROWN OR LIGHT GRAY TO DARK GRAY FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL
3	A-3, A-2-4	LIGHT BROWN TO BROWN OR ORANGE BROWN FINE SAND WITH CLAY TO CLAYEY FINE SAND OR SILTY CLAYEY FINE SAND
4	A-2-6, A-6	LIGHT BROWN CLAYEY FINE SAND TO SANDY CLAY, OCCASIONAL ORGANIC MATERIAL
5	A-2-7, A-7-5, A-7-6	LIGHT BROWN TO BROWN OR LIGHT GRAY SANDY CLAY TO CLAY, OCCASIONAL ORGANIC MATERIAL
6	A-8	DARK BROWN TO VERY DARK BROWN MUCKY FINE SAND TO ORGANIC MUCK, OCCASIONAL WOOD FRAGMENTS
7	--	LIMEROCK ROAD BASE

NOTE:

POND BORING LOCATIONS WERE SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY GEODATA, AECOM, DEWBERRY AND CARDNO.

BORING LEGEND



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ERROL S. ABDULLA, P.E.
P.E. License No. 74803
AWK Consulting Engineers, INC.
6457 Hazeltine National Dr.
Suite 150
Orlando, FL 32822
PH (407) 203-3804 FAX 888-282-9897
Certificate of Authorization No. 00029901

AWK CONSULTING ENGINEERS, INC.

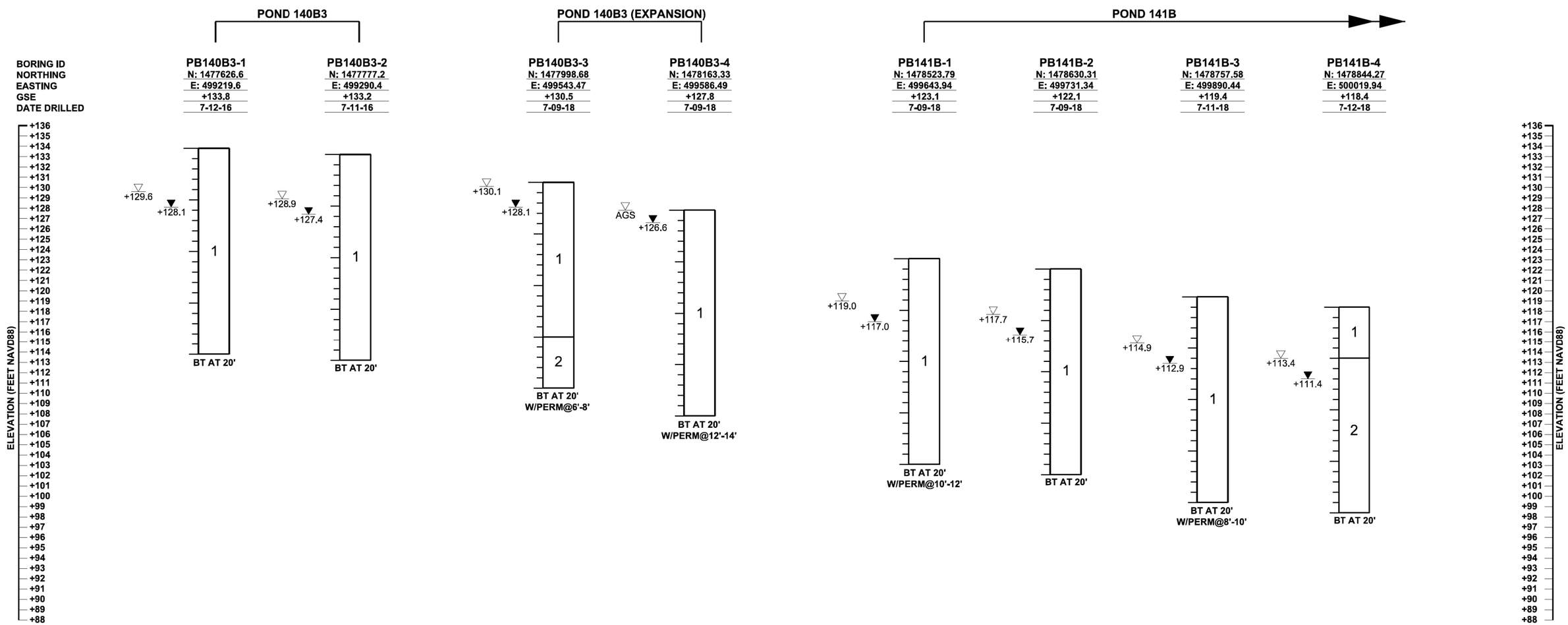
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

ROADWAY SOIL SURVEY - PONDS (6)

SHEET NO. 478

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:04:14 PM c:\pwworking\aecom_na\rmartini\d0164805\RDSSGE004_Pond.DGN

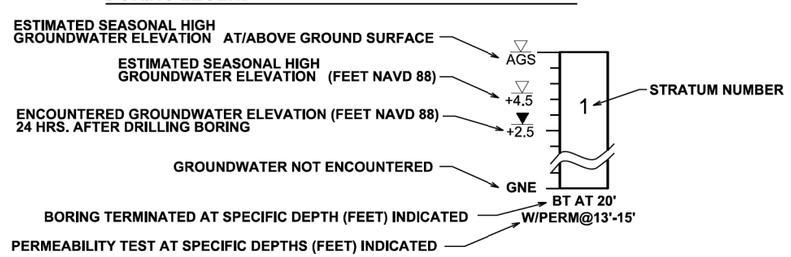


STRATUM NO.	AASHTO CLASSIFICATION	SOIL DESCRIPTION
1	A-3	LIGHT BROWN TO DARK BROWN, ORANGE BROWN OR LIGHT GRAY TO GRAY FINE SAND TO FINE SAND WITH SILT, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL
2	A-3, A-2-4	LIGHT BROWN TO DARK BROWN, GRAY BROWN, ORANGE BROWN OR LIGHT GRAY TO DARK GRAY FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL
3	A-3, A-2-4	LIGHT BROWN TO BROWN OR ORANGE BROWN FINE SAND WITH CLAY TO CLAYEY FINE SAND OR SILTY CLAYEY FINE SAND
4	A-2-6, A-6	LIGHT BROWN CLAYEY FINE SAND TO SANDY CLAY, OCCASIONAL ORGANIC MATERIAL
5	A-2-7, A-7-5, A-7-6	LIGHT BROWN TO BROWN OR LIGHT GRAY SANDY CLAY TO CLAY, OCCASIONAL ORGANIC MATERIAL
6	A-8	DARK BROWN TO VERY DARK BROWN MUCKY FINE SAND TO ORGANIC MUCK, OCCASIONAL WOOD FRAGMENTS
7	--	LIMEROCK ROAD BASE

NOTE:

POND BORING LOCATIONS WERE SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY GEODATA, AECOM, DEWBERRY AND CARDNO.

BORING LEGEND



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ERROL S. ABDULLA, P.E.
P.E. License No. 74803
AWK Consulting Engineers, INC.
6457 Hazeltine National Dr.
Suite 150
Orlando, FL 32822
PH (407) 203-3804 FAX 888-282-9897
Certificate of Authorization No. 00029901

AWK CONSULTING ENGINEERS, INC.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

ROADWAY SOIL SURVEY - PONDS (7)

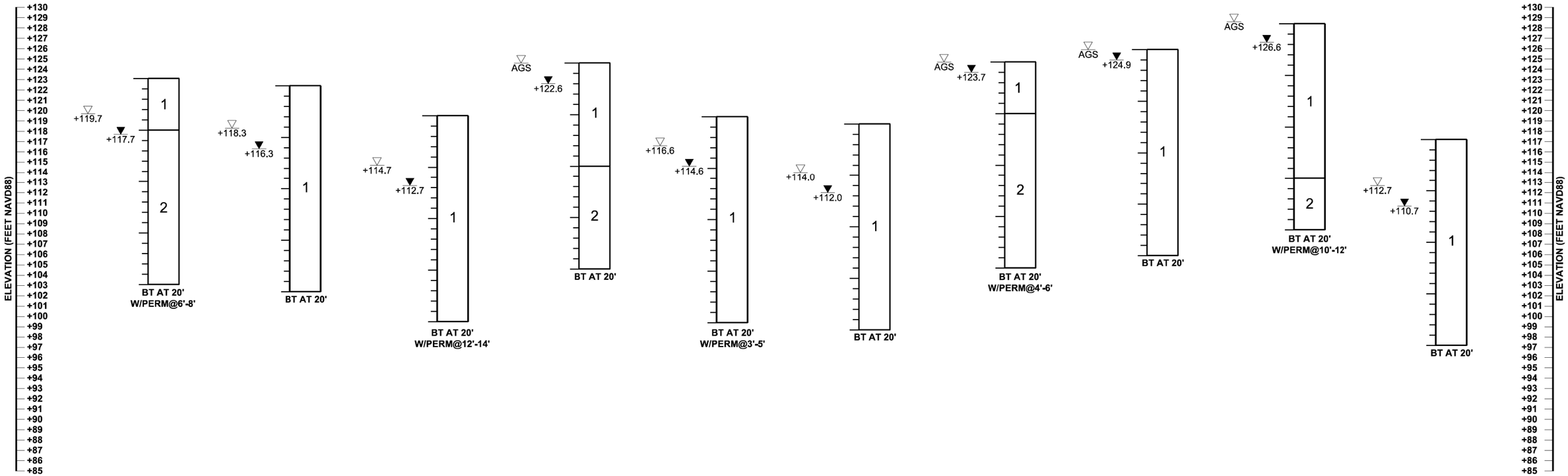
SHEET NO. 479

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:04:25 PM c:\pwworking\aecom_na\rmartini\d0164805\RDSSGE004_Pond.DGN

POND 141B

BORING ID	PB141B-5	PB141B-6	PB141B-7	PB141B-8	PB141B-9	PB141B-10	PB141B-11	PB141B-12	PB141B-13	PB141B-14
NORTHING	N: 1478425.74	N: 1478514.07	N: 1478703.21	N: 1478234.13	N: 1478391.97	N: 1478602.81	N: 1478333.78	N: 1478211.71	N: 1478040.84	N: 1478795.70
EASTING	E: 499790.58	E: 499921.48	E: 500015.14	E: 499835.10	E: 500004.95	E: 500101.84	E: 499576.33	E: 499724.70	E: 499694.05	E: 500172.42
GSE	+123.1	+122.4	+119.5	+124.6	+119.4	+118.7	+124.7	+125.9	+128.4	+117.2
DATE DRILLED	7-09-18	7-09-18	7-10-18	7-09-18	7-13-18	7-13-18	7-11-18	7-09-18	7-09-18	7-12-18

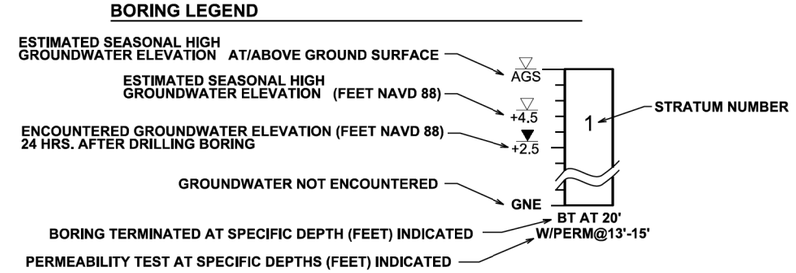


STRATUM NO.	AASHTO CLASSIFICATION	SOIL DESCRIPTION
1	A-3	LIGHT BROWN TO DARK BROWN, ORANGE BROWN OR LIGHT GRAY TO GRAY FINE SAND TO FINE SAND WITH SILT, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL
2	A-3, A-2-4	LIGHT BROWN TO DARK BROWN, GRAY BROWN, ORANGE BROWN OR LIGHT GRAY TO DARK GRAY FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL
3	A-3, A-2-4	LIGHT BROWN TO BROWN OR ORANGE BROWN FINE SAND WITH CLAY TO CLAYEY FINE SAND OR SILTY CLAYEY FINE SAND
4	A-2-6, A-6	LIGHT BROWN CLAYEY FINE SAND TO SANDY CLAY, OCCASIONAL ORGANIC MATERIAL
5	A-2-7, A-7-5, A-7-6	LIGHT BROWN TO BROWN OR LIGHT GRAY SANDY CLAY TO CLAY, OCCASIONAL ORGANIC MATERIAL
6	A-8	DARK BROWN TO VERY DARK BROWN MUCKY FINE SAND TO ORGANIC MUCK, OCCASIONAL WOOD FRAGMENTS
7	--	LIMEROCK ROAD BASE

NOTE:

POND BORING LOCATIONS WERE SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY GEODATA, AECOM, DEWBERRY AND CARDNO.

BORING LEGEND



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ERROL S. ABDULLA, P.E.
P.E. License No. 74803
AWK Consulting Engineers, INC.
6457 Hazeltine National Dr.
Suite 150
Orlando, FL 32822
PH (407) 203-3804 FAX 888-282-9897
Certificate of Authorization No. 00029901

AWK CONSULTING ENGINEERS, INC.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

ROADWAY SOIL SURVEY - PONDS (8)

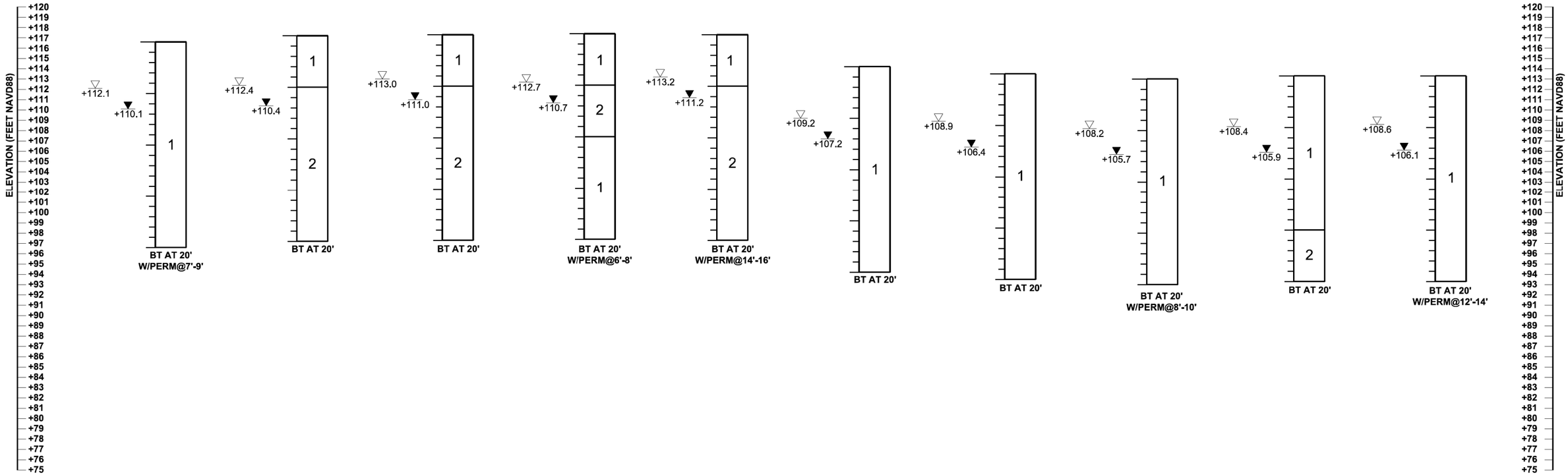
SHEET NO. 480

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:04:36 PM c:\pwworking\aecom_na\rmartini\d0164805\RDSSGE004_Pond.DGN

POND 141B

BORING ID	PB141B-15	PB141B-16	PB141B-17	PB141B-18	PB141B-19	PB141B-20	PB141B-21	PB141B-22	PB141B-23	PB141B-24
NORTHING	N: 1478784.62	N: 1478950.62	N: 1478922.29	N: 1479071.50	N: 1479030.74	N: 1479177.01	N: 1479193.12	N: 1479304.30	N: 1479338.17	N: 1479450.33
EASTING	E: 500281.62	E: 500163.87	E: 500374.73	E: 500281.21	E: 500478.75	E: 500357.97	E: 500584.90	E: 500486.28	E: 500685.95	E: 500609.62
GSE	+116.6	+117.2	+117.3	+117.4	+117.3	+114.2	+113.5	+113.0	+113.3	+113.3
DATE DRILLED	7-13-18	7-12-18	7-13-18	7-11-18	7-12-18	7-11-18	7-06-18	7-06-18	7-06-18	7-06-18

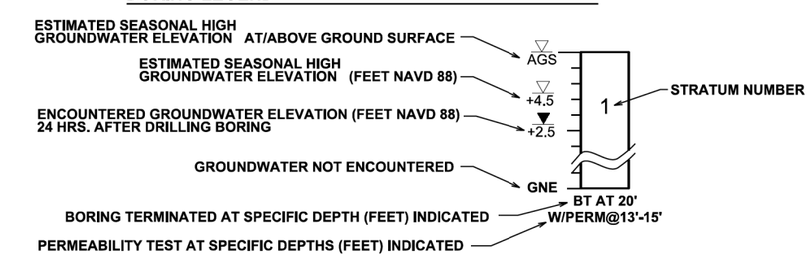


STRATUM NO.	AASHTO CLASSIFICATION	SOIL DESCRIPTION
1	A-3	LIGHT BROWN TO DARK BROWN, ORANGE BROWN OR LIGHT GRAY TO GRAY FINE SAND TO FINE SAND WITH SILT, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL
2	A-3, A-2-4	LIGHT BROWN TO DARK BROWN, GRAY BROWN, ORANGE BROWN OR LIGHT GRAY TO DARK GRAY FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL
3	A-3, A-2-4	LIGHT BROWN TO BROWN OR ORANGE BROWN FINE SAND WITH CLAY TO CLAYEY FINE SAND OR SILTY CLAYEY FINE SAND
4	A-2-6, A-6	LIGHT BROWN CLAYEY FINE SAND TO SANDY CLAY, OCCASIONAL ORGANIC MATERIAL
5	A-2-7, A-7-5, A-7-6	LIGHT BROWN TO BROWN OR LIGHT GRAY SANDY CLAY TO CLAY, OCCASIONAL ORGANIC MATERIAL
6	A-8	DARK BROWN TO VERY DARK BROWN MUCKY FINE SAND TO ORGANIC MUCK, OCCASIONAL WOOD FRAGMENTS
7	--	LIMEROCK ROAD BASE

NOTE:

POND BORING LOCATIONS WERE SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY GEODATA, AECOM, DEWBERRY AND CARDNO.

BORING LEGEND



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ERROL S. ABDULLA, P.E.
P.E. License No. 74803
AWK Consulting Engineers, INC.
6457 Hazeltine National Dr.
Suite 150
Orlando, FL 32822
PH (407) 203-3804 FAX 888-282-9897
Certificate of Authorization No. 00029901

AWK CONSULTING ENGINEERS, INC.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

ROADWAY SOIL SURVEY - PONDS (9)

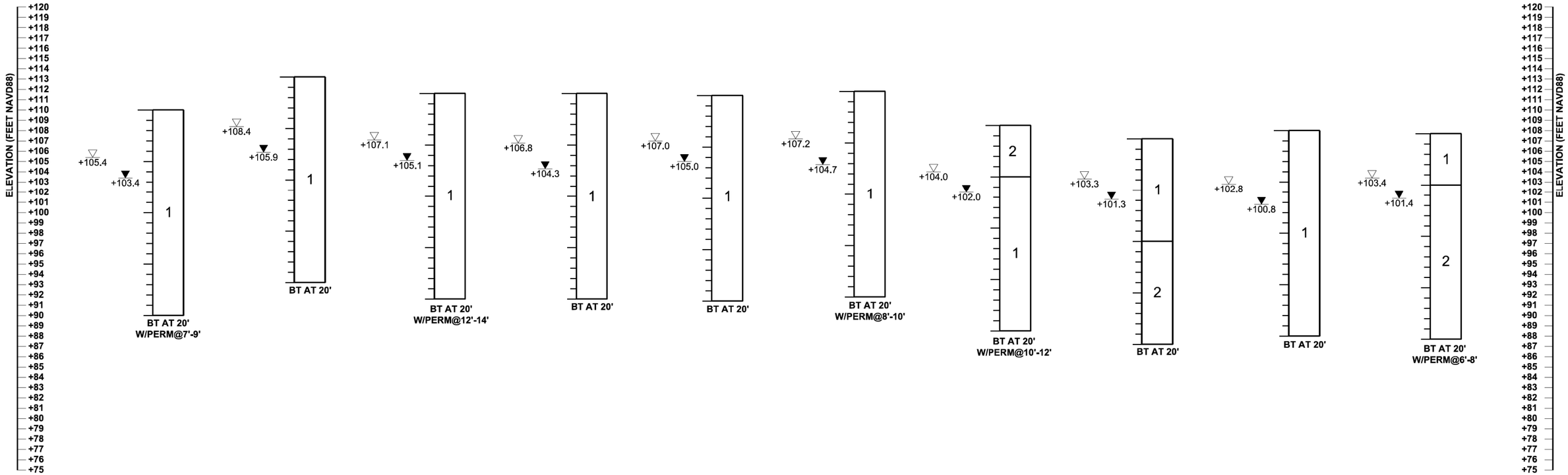
SHEET NO. 481

robert.martini 8/22/2019 1:04:48 PM c:\pwworking\aecom_na\rmartini\d0164805\RDSSGE004_Pond.DGN

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

POND 141B

BORING ID	PB141B-25	PB141B-26	PB141B-27	PB141B-28	PB141B-29	PB141B-30	PB141B-31	PB141B-32	PB141B-33	PB141B-34
NORTHING	N: 1479452.50	N: 1479536.18	N: 1479627.78	N: 1479658.55	N: 1479825.89	N: 1479932.04	N: 1480067.00	N: 1480227.61	N: 1480221.68	N: 1480346.55
EASTING	E: 500841.30	E: 500698.72	E: 500996.65	E: 500808.43	E: 501160.58	E: 501047.64	E: 501359.64	E: 501302.21	E: 501443.23	E: 501407.52
GSE	+110.0	+113.2	+111.6	+111.6	+111.4	+111.8	+108.5	+107.2	+108.0	+107.7
DATE DRILLED	7-09-18	7-06-18	7-19-18	7-06-18	7-19-18	7-06-18	7-19-18	7-09-18	7-17-18	7-17-18

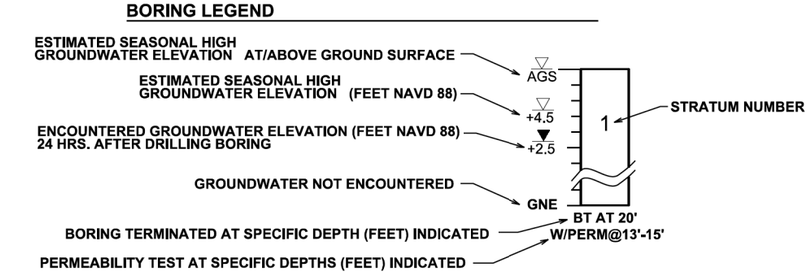


STRATUM NO.	AASHTO CLASSIFICATION	SOIL DESCRIPTION
1	A-3	LIGHT BROWN TO DARK BROWN, ORANGE BROWN OR LIGHT GRAY TO GRAY FINE SAND TO FINE SAND WITH SILT, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL
2	A-3, A-2-4	LIGHT BROWN TO DARK BROWN, GRAY BROWN, ORANGE BROWN OR LIGHT GRAY TO DARK GRAY FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL
3	A-3, A-2-4	LIGHT BROWN TO BROWN OR ORANGE BROWN FINE SAND WITH CLAY TO CLAYEY FINE SAND OR SILTY CLAYEY FINE SAND
4	A-2-6, A-6	LIGHT BROWN CLAYEY FINE SAND TO SANDY CLAY, OCCASIONAL ORGANIC MATERIAL
5	A-2-7, A-7-5, A-7-6	LIGHT BROWN TO BROWN OR LIGHT GRAY SANDY CLAY TO CLAY, OCCASIONAL ORGANIC MATERIAL
6	A-8	DARK BROWN TO VERY DARK BROWN MUCKY FINE SAND TO ORGANIC MUCK, OCCASIONAL WOOD FRAGMENTS
7	--	LIMEROCK ROAD BASE

NOTE:

POND BORING LOCATIONS WERE SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY GEODATA, AECOM, DEWBERRY AND CARDNO.

BORING LEGEND



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ERROL S. ABDULLA, P.E.
P.E. License No. 74803
AWK Consulting Engineers, INC.
6457 Hazeltine National Dr.
Suite 150
Orlando, FL 32822
PH (407) 203-3804 FAX 888-282-9897
Certificate of Authorization No. 00029901

AWK CONSULTING ENGINEERS, INC.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

ROADWAY SOIL SURVEY - PONDS (10)

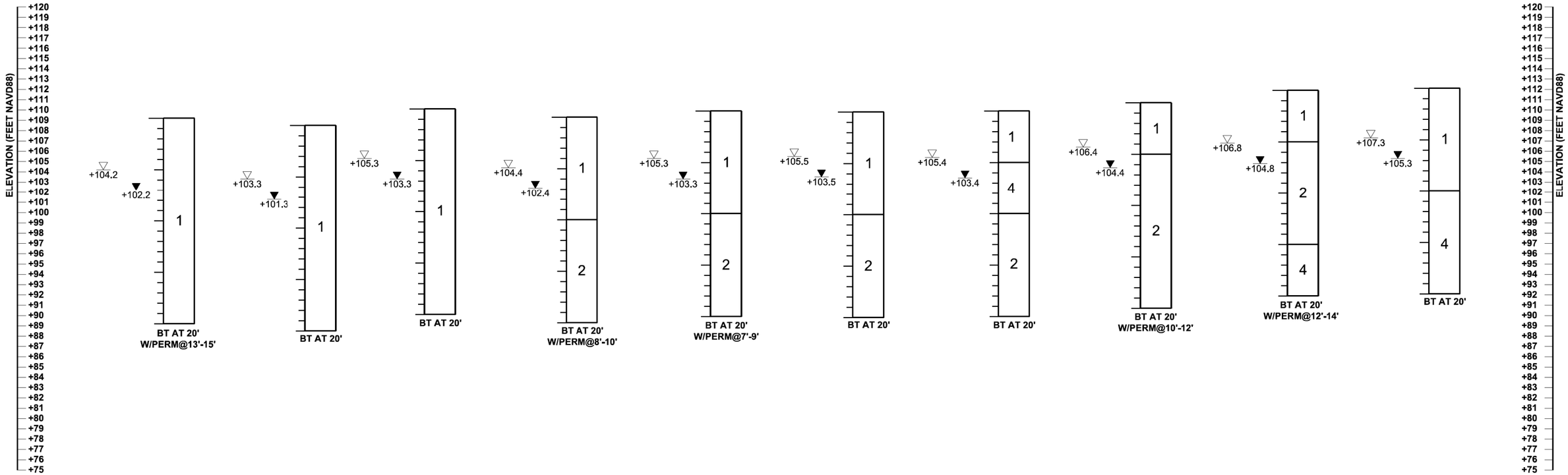
SHEET NO. 482

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:04:59 PM c:\pwworking\aecom_na\rmartini\d0164805\RDSSGE004_Pond.DGN

POND 141B

BORING ID	PB141B-35	PB141B-36	PB141B-37	PB141B-38	PB141B-39	PB141B-40	PB141B-41	PB141B-42	PB141B-43	PB141B-44
NORTHING	N: 1480391.66	N: 1480519.10	N: 1480497.85	N: 1480568.23	N: 1480661.47	N: 1480749.73	N: 1480832.26	N: 1480922.38	N: 1481019.47	N: 1481109.79
EASTING	E: 501658.18	E: 501404.80	E: 501729.54	E: 501570.66	E: 501820.08	E: 501688.59	E: 501926.25	E: 501803.91	E: 502041.49	E: 501895.71
GSE	+109.2	+108.5	+110.1	+109.3	+109.9	+109.8	+109.9	+110.7	+111.9	+112.1
DATE DRILLED	7-17-18	7-17-18	7-17-18	7-17-18	7-16-18	7-16-18	7-16-18	7-16-18	7-16-18	7-16-18

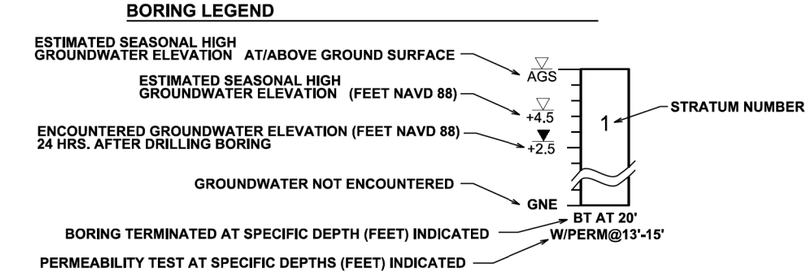


STRATUM NO.	AASHTO CLASSIFICATION	SOIL DESCRIPTION
1	A-3	LIGHT BROWN TO DARK BROWN, ORANGE BROWN OR LIGHT GRAY TO GRAY FINE SAND TO FINE SAND WITH SILT, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL
2	A-3, A-2-4	LIGHT BROWN TO DARK BROWN, GRAY BROWN, ORANGE BROWN OR LIGHT GRAY TO DARK GRAY FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL LIMEROCK GRAVEL AND TRACE ORGANIC MATERIAL
3	A-3, A-2-4	LIGHT BROWN TO BROWN OR ORANGE BROWN FINE SAND WITH CLAY TO CLAYEY FINE SAND OR SILTY CLAYEY FINE SAND
4	A-2-6, A-6	LIGHT BROWN CLAYEY FINE SAND TO SANDY CLAY, OCCASIONAL ORGANIC MATERIAL
5	A-2-7, A-7-5, A-7-6	LIGHT BROWN TO BROWN OR LIGHT GRAY SANDY CLAY TO CLAY, OCCASIONAL ORGANIC MATERIAL
6	A-8	DARK BROWN TO VERY DARK BROWN MUCKY FINE SAND TO ORGANIC MUCK, OCCASIONAL WOOD FRAGMENTS
7	--	LIMEROCK ROAD BASE

NOTE:

POND BORING LOCATIONS WERE SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY GEODATA, AECOM, DEWBERRY AND CARDNO.

BORING LEGEND



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ERROL S. ABDULLA, P.E.
P.E. License No. 74803
AWK Consulting Engineers, INC.
6457 Hazeltine National Dr.
Suite 150
Orlando, FL 32822
PH (407) 203-3804 FAX 888-282-9897
Certificate of Authorization No. 00029901

AWK CONSULTING ENGINEERS, INC.

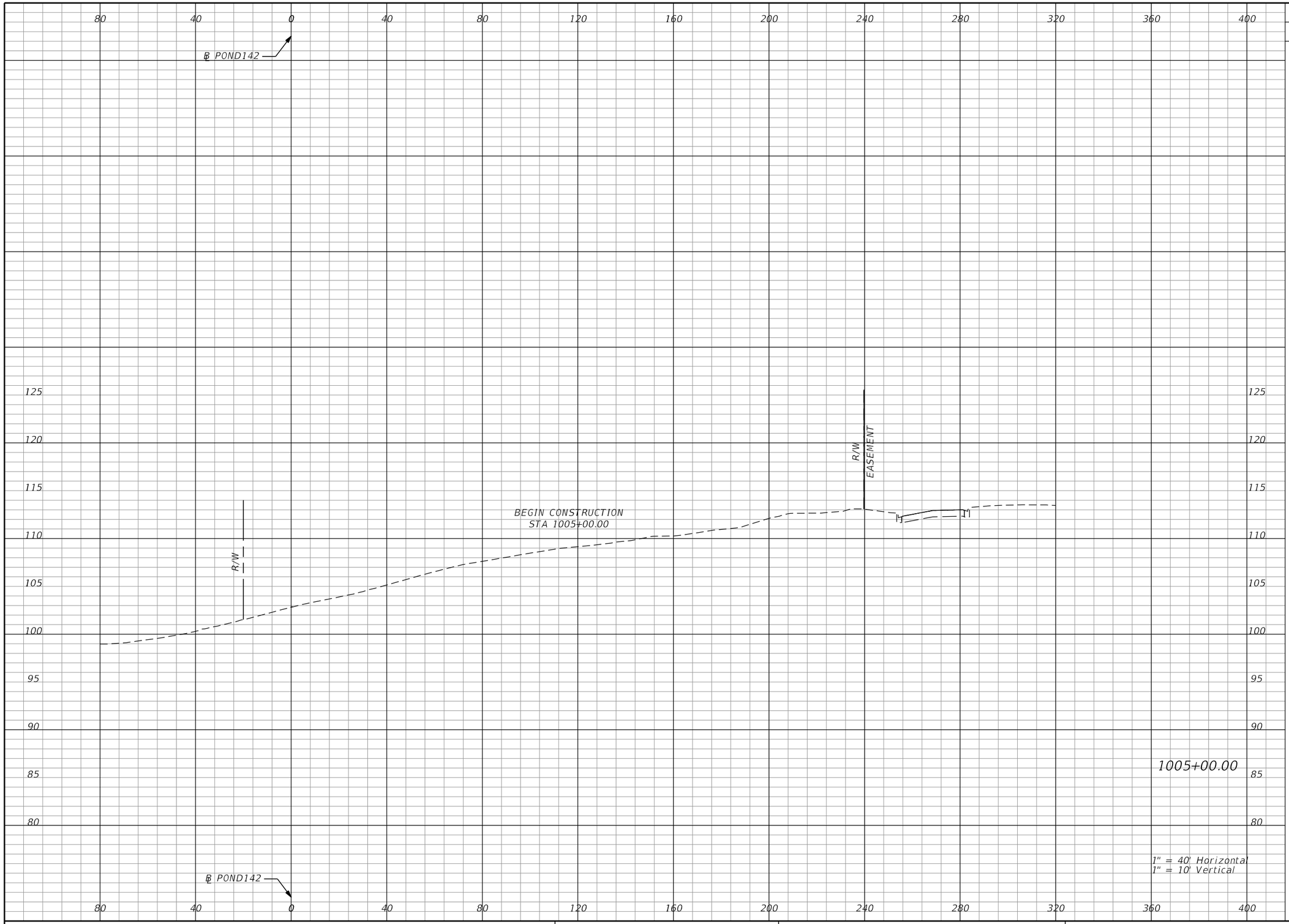
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

ROADWAY SOIL SURVEY - PONDS (11)

SHEET NO. 483

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:05:11 PM c:\pwworking\aecom_na\rmartini\d0164805\RDSSGE004_Pond.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	0.0	0.0	0.0	0.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

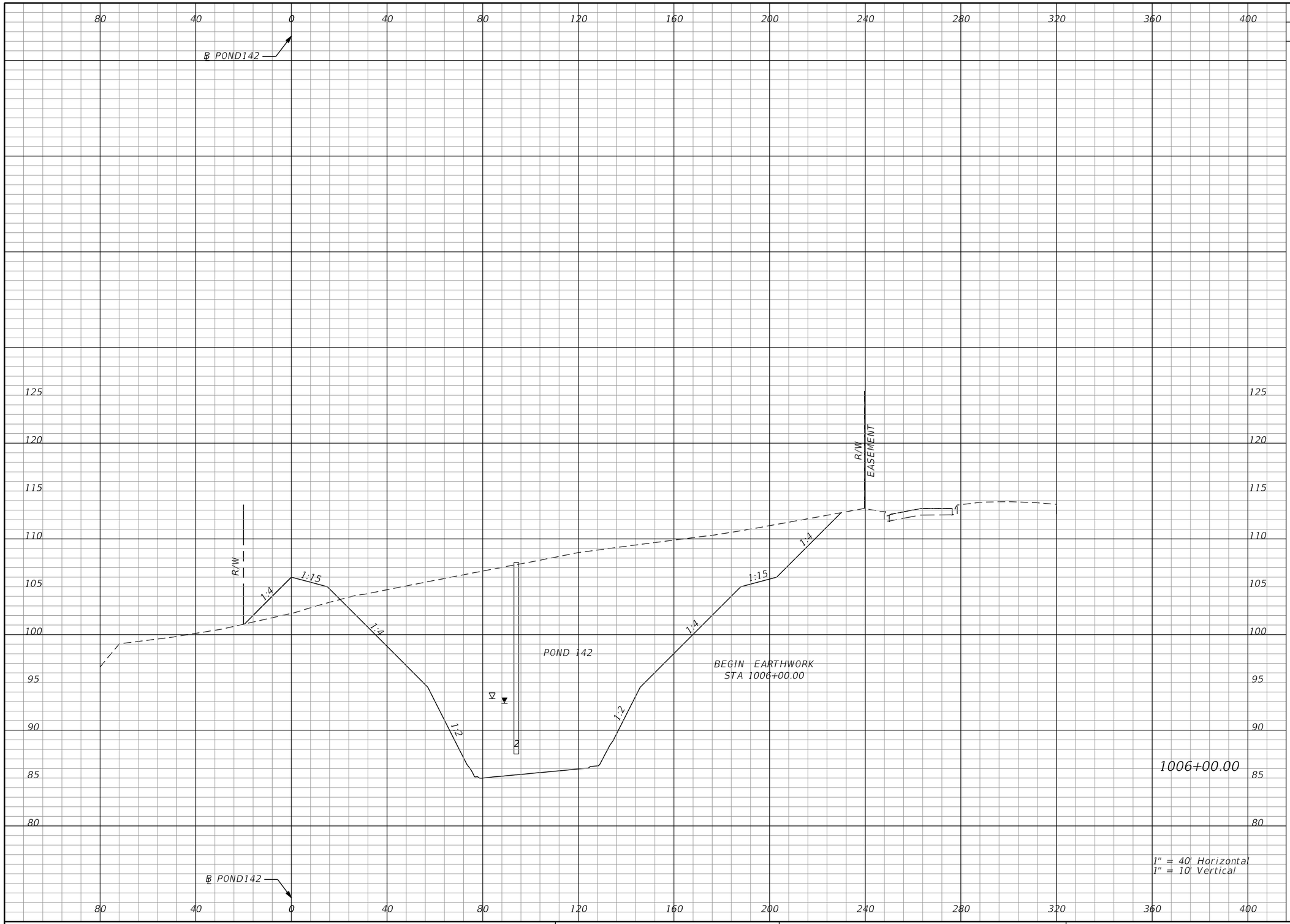
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND 142
CROSS SECTIONS

SHEET NO. 484

robert.martini 8/22/2019 2:11:24 PM c:\pwworking\aecom_na\rmartini\d0166356\PDXSRD01_POND142.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	2593.1	4802.1	82.9	153.5

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

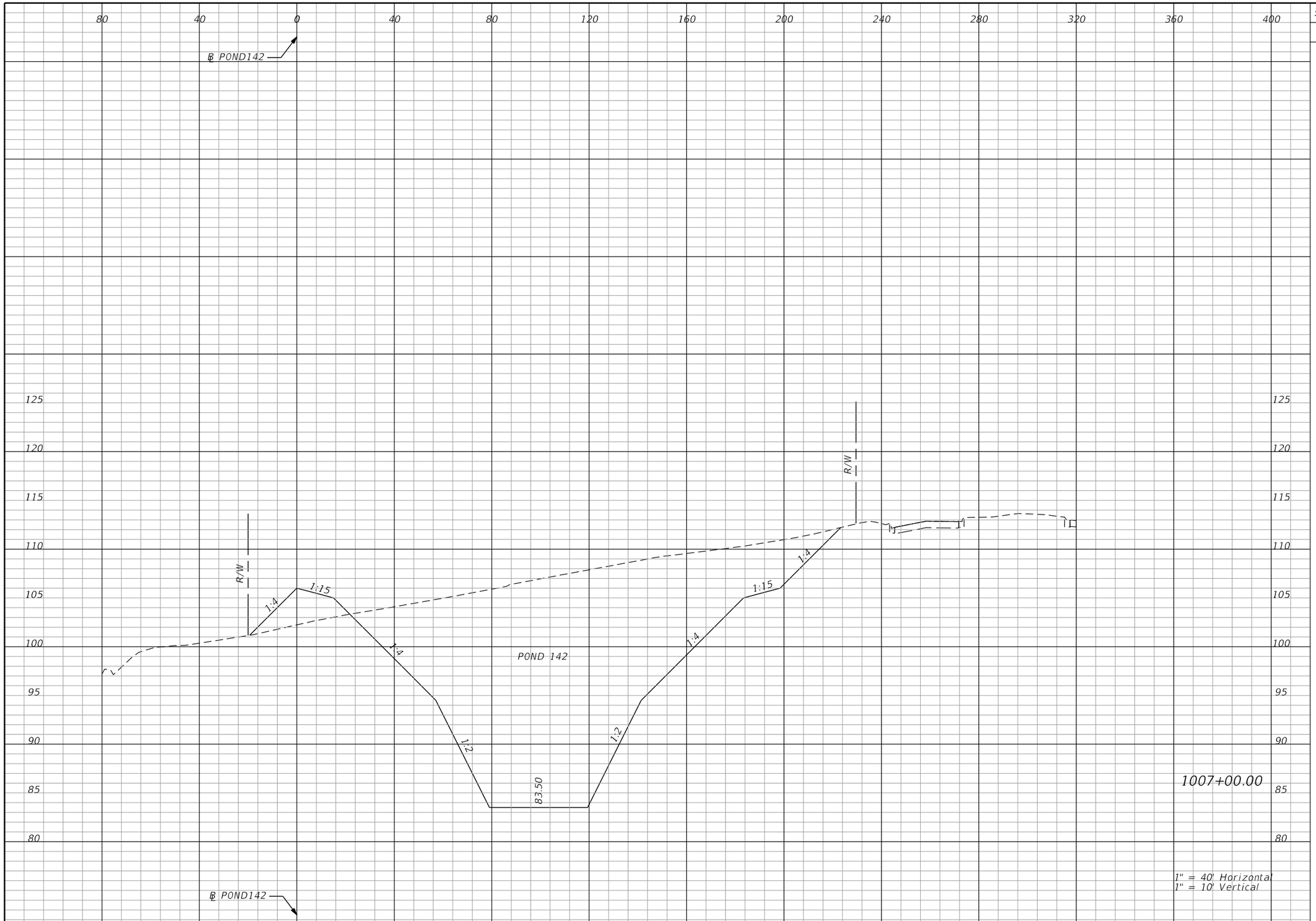
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND 142
CROSS SECTIONS

SHEET NO. 485



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	2461.6	9360.6	86.4	313.4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

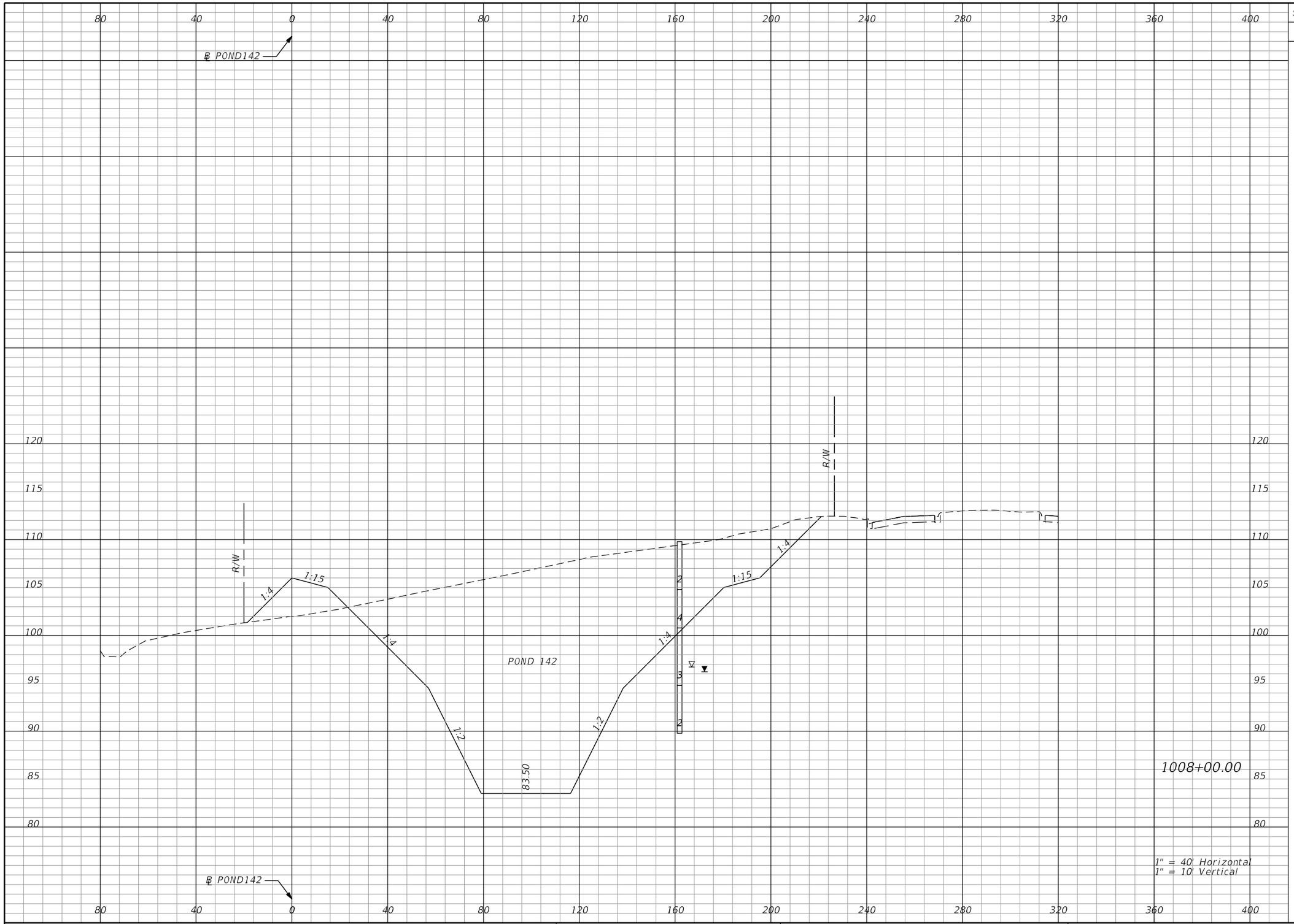
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND 142
CROSS SECTIONS

SHEET NO. 486

robert.martini 8/22/2019 2:11:25 PM c:\pwworking\aecom_na\rmartini\d0166356\PDxSRD01_POND142.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	2362.8	8934.0	96.6	338.9

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

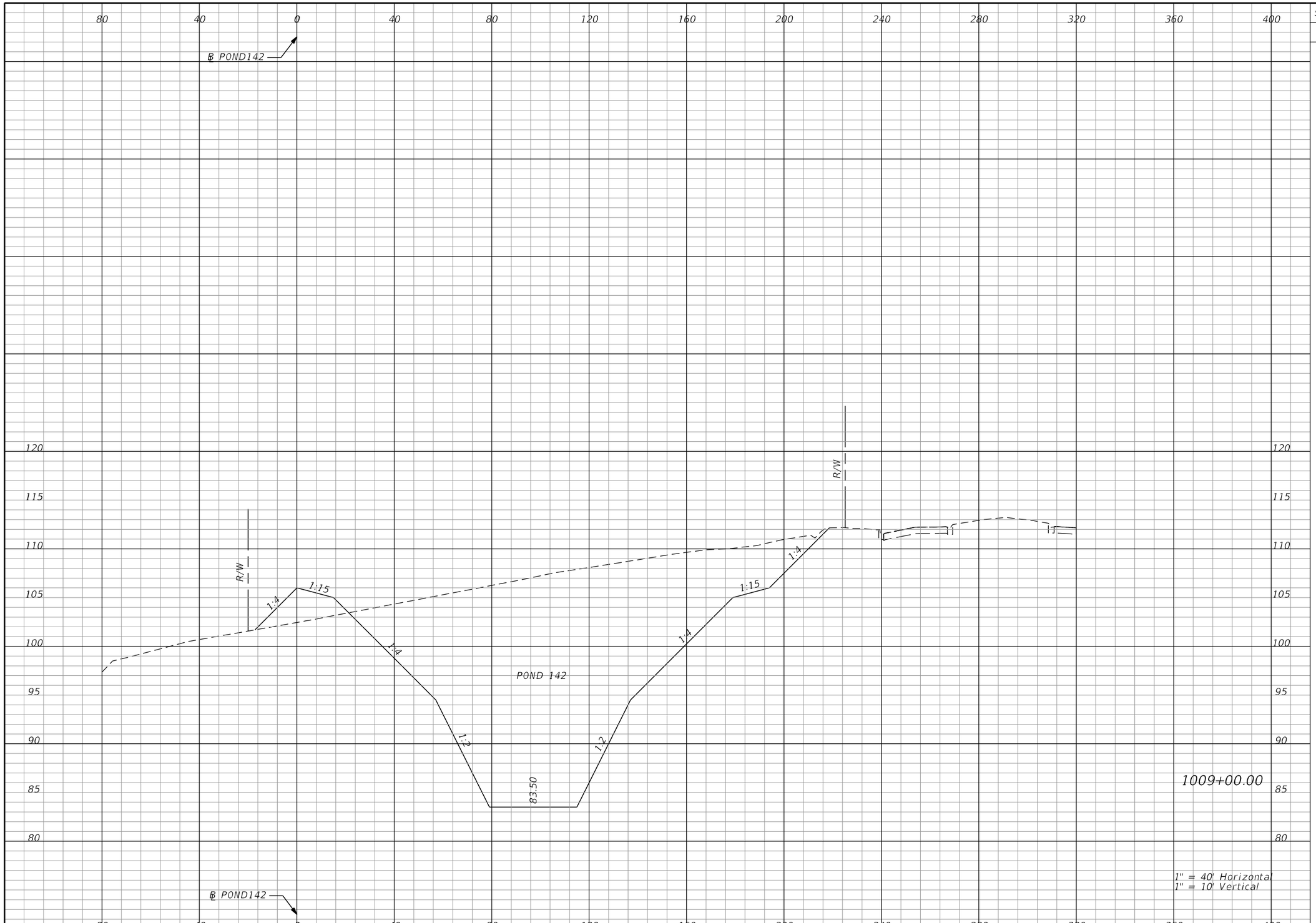
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND 142
CROSS SECTIONS

SHEET NO.
487

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 2:11:25 PM c:\pwworking\aecom_na\rmartini\d0166356\PDxSRD01_POND142.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	2364.5	8754.1	77.1	321.7

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

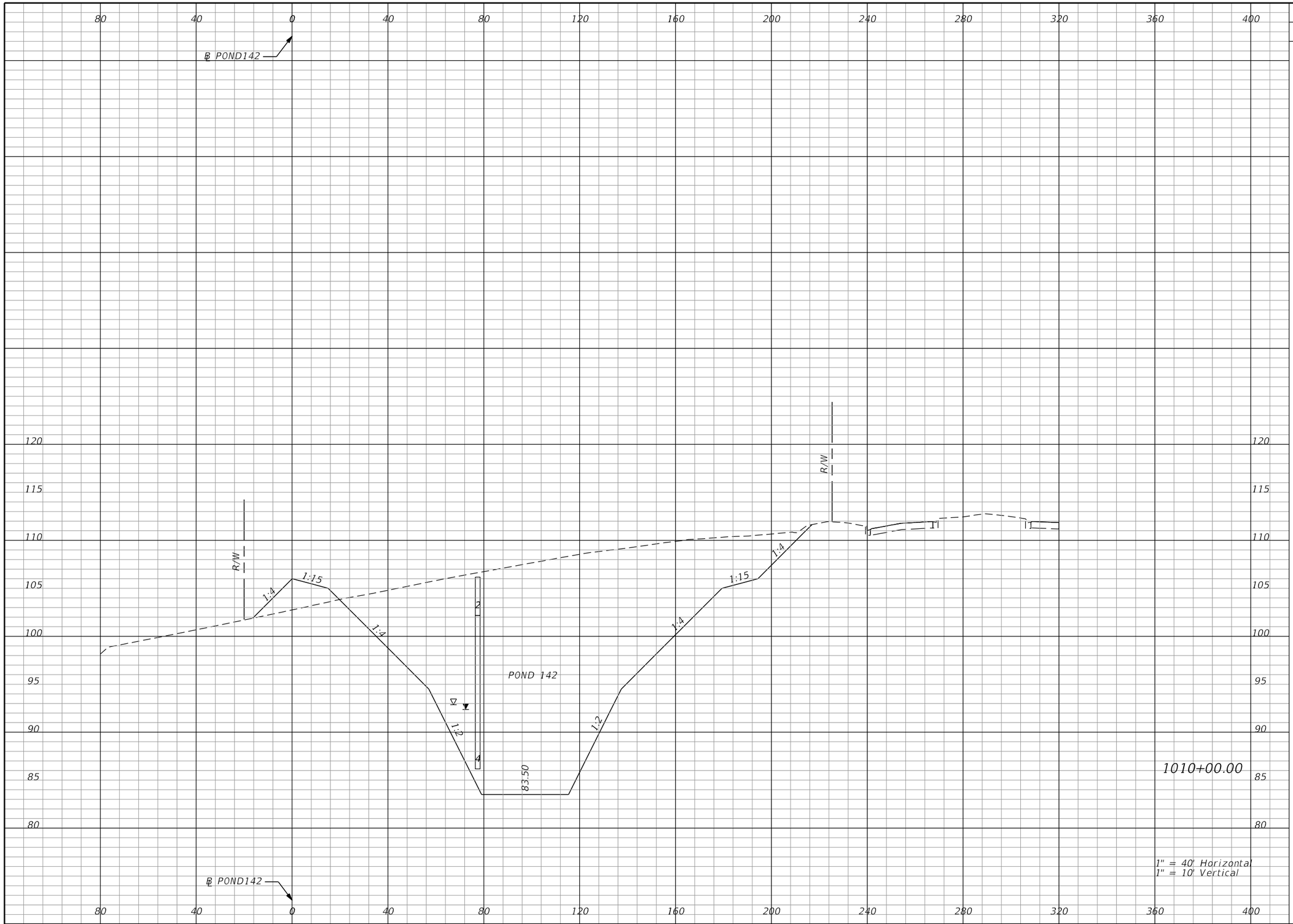
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND 142
CROSS SECTIONS

SHEET NO. 488

robert.martini 8/22/2019 2:11:25 PM c:\pwworking\aecom_na\rmartini\d0166356\PDxSRD01_POND142.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	2433.7	8885.6	65.4	264.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

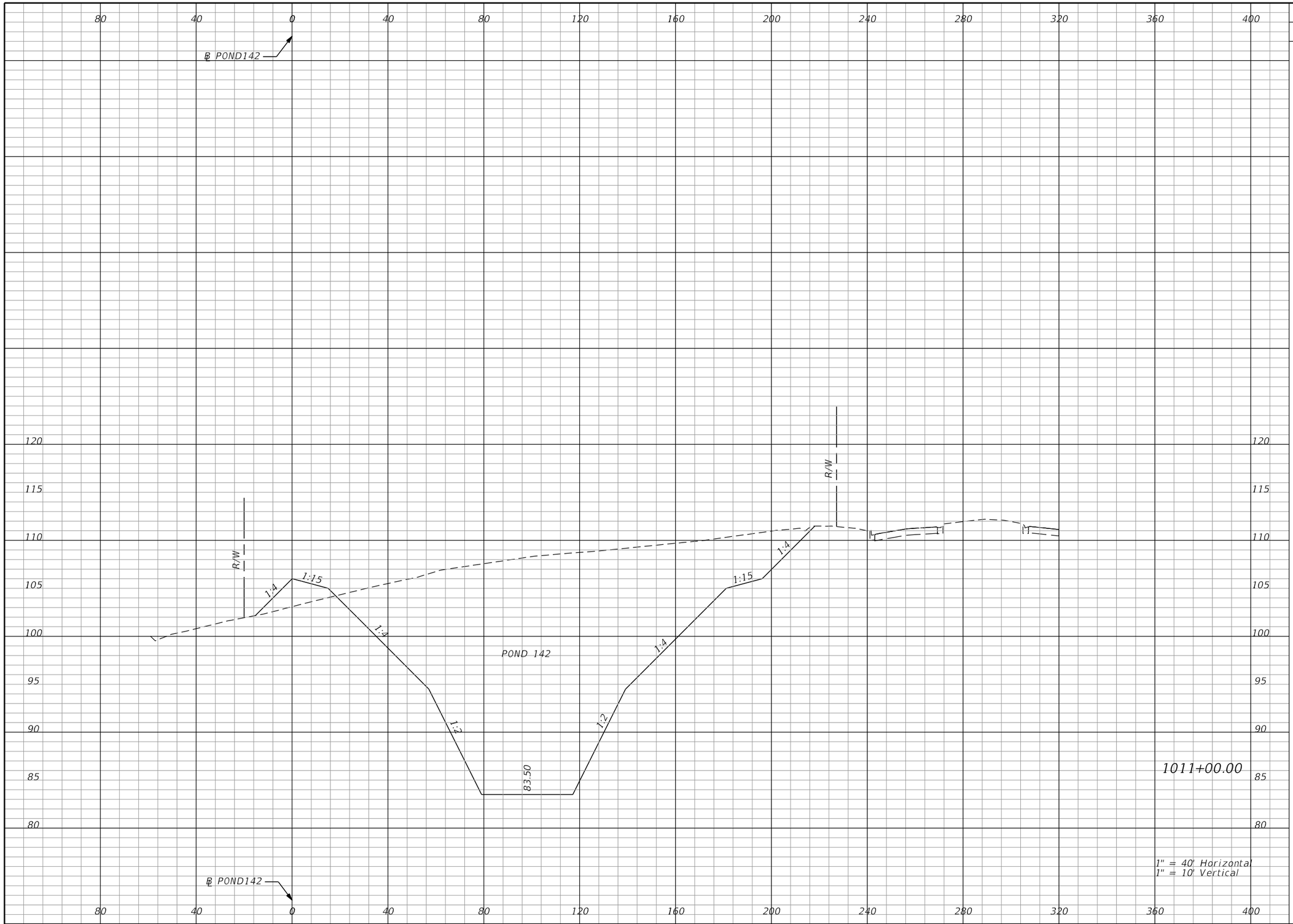
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND 142
CROSS SECTIONS

SHEET NO. 489

robert.martini 8/22/2019 2:11:26 PM c:\pwworking\aecom_na\rmartini\d0166356\PDXSRD01_POND142.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	2555.6	9239.4	53.4	220.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

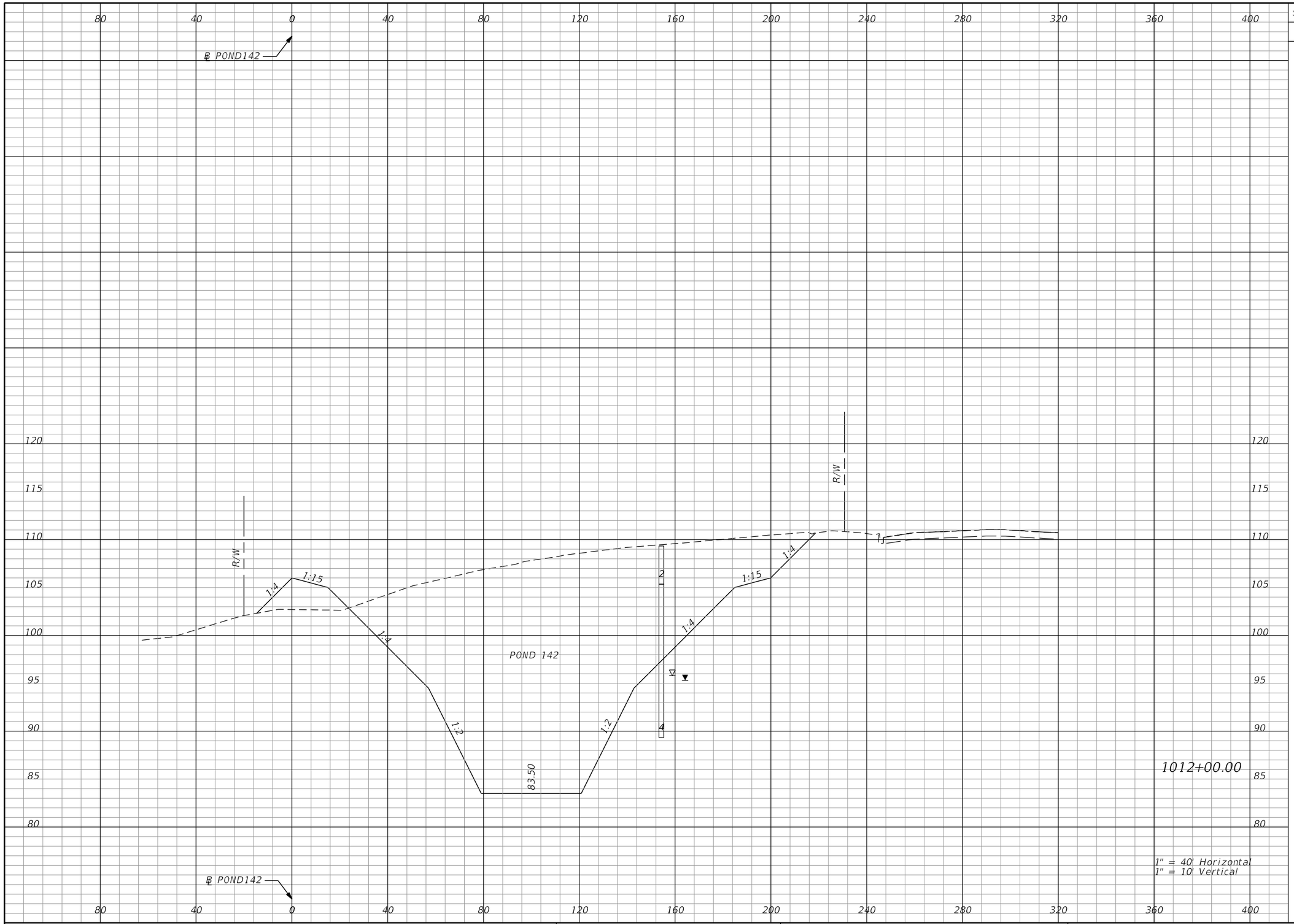
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND 142
CROSS SECTIONS

SHEET NO. 490

robert.martini 8/22/2019 2:11:27 PM c:\pwworking\aecom_na\rmartini\d0166356\PDXSRD01_POND142.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	2548.8	9452.5	76.3	240.1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

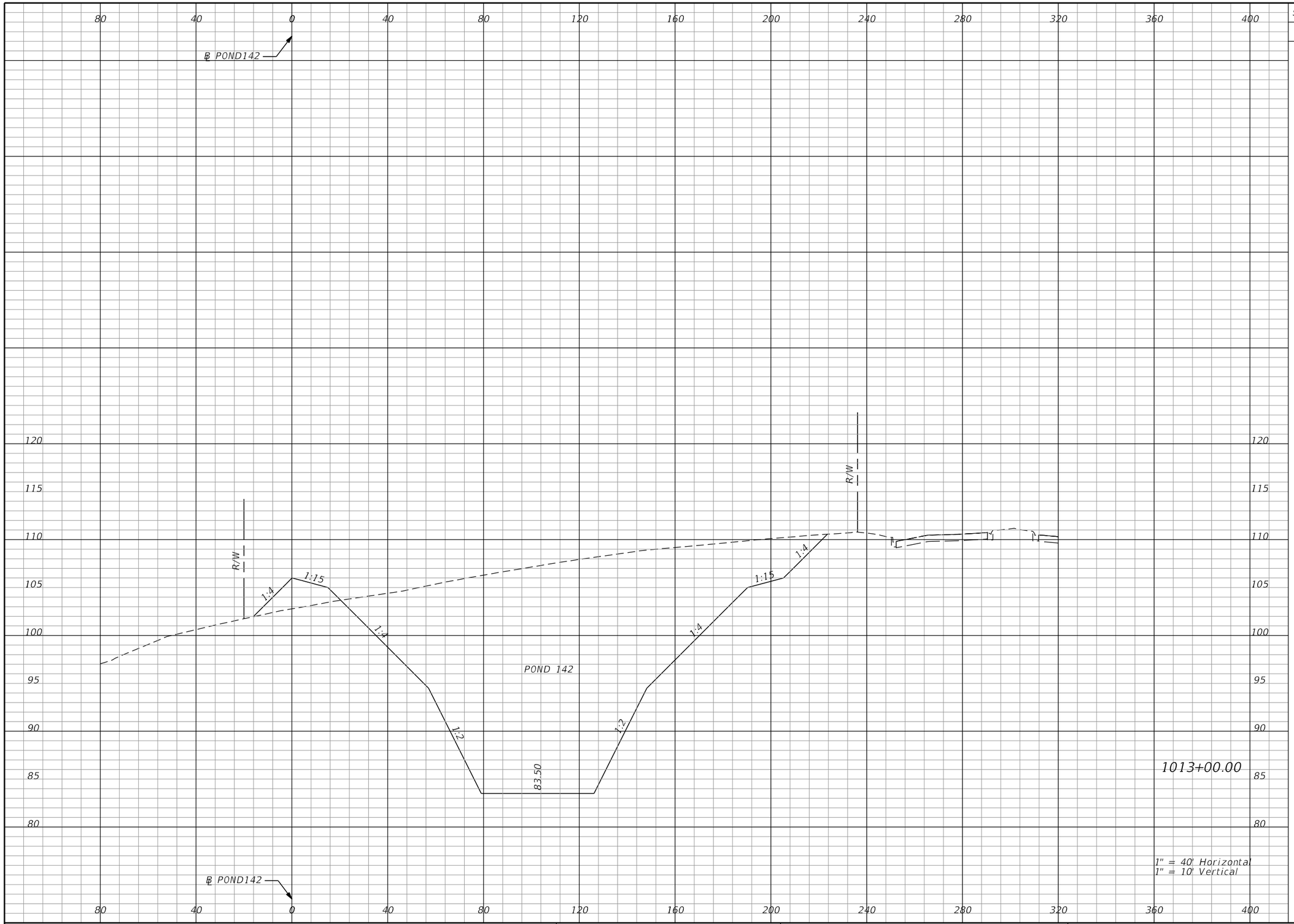
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND 142
CROSS SECTIONS

SHEET NO.
491

robert.martini 8/22/2019 2:11:29 PM c:\pwworking\aecom_na\rmartini\d0166356\PDxSRD01_POND142.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	2622.7	9576.8	65.9	263.4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

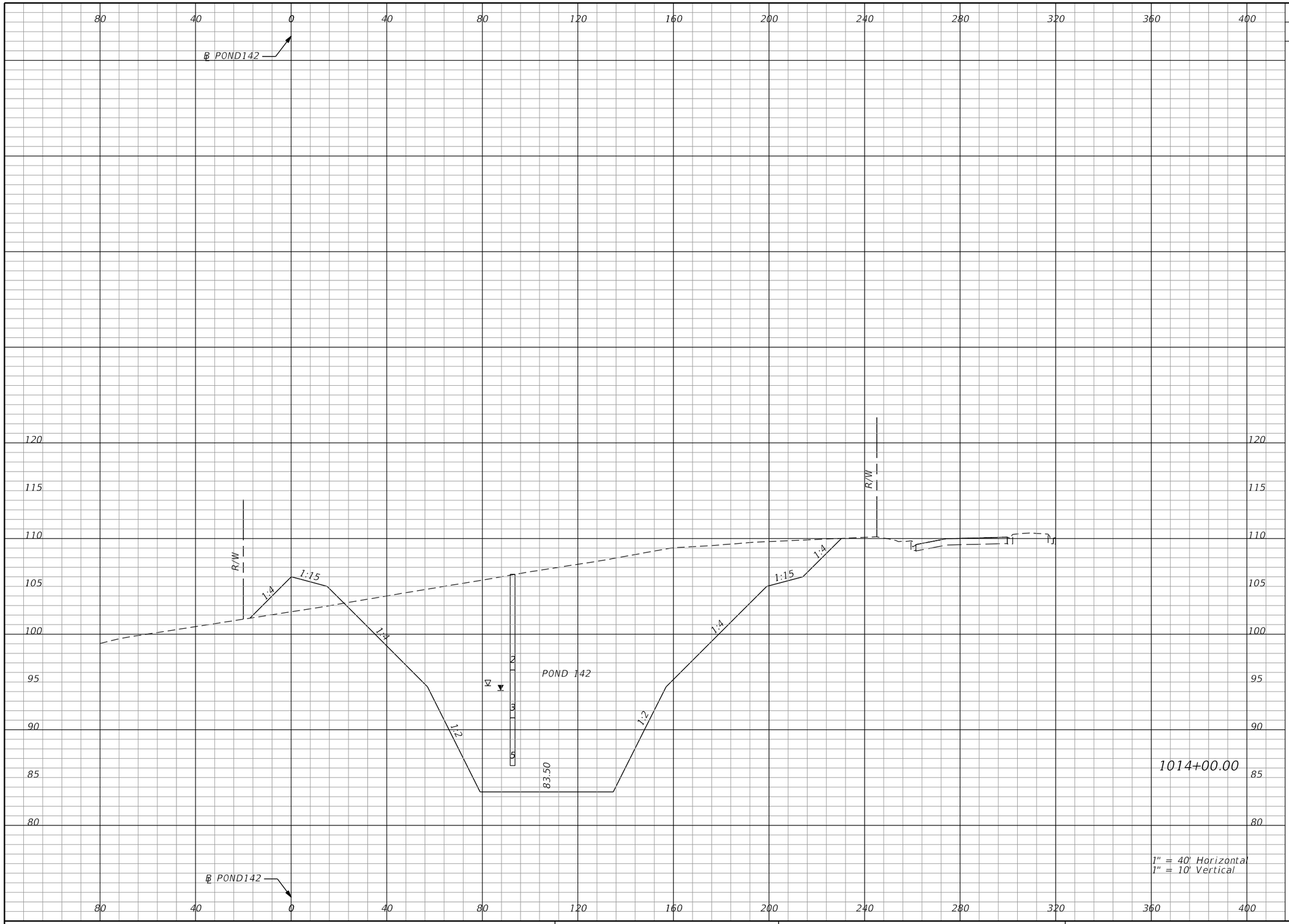
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND 142
CROSS SECTIONS

SHEET NO. 492

robert.martini 8/22/2019 2:11:30 PM c:\pwworking\aecom_na\rmartini\d0166356\PDxSRD01_POND142.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	2759.1	9966.3	82.0	273.8

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

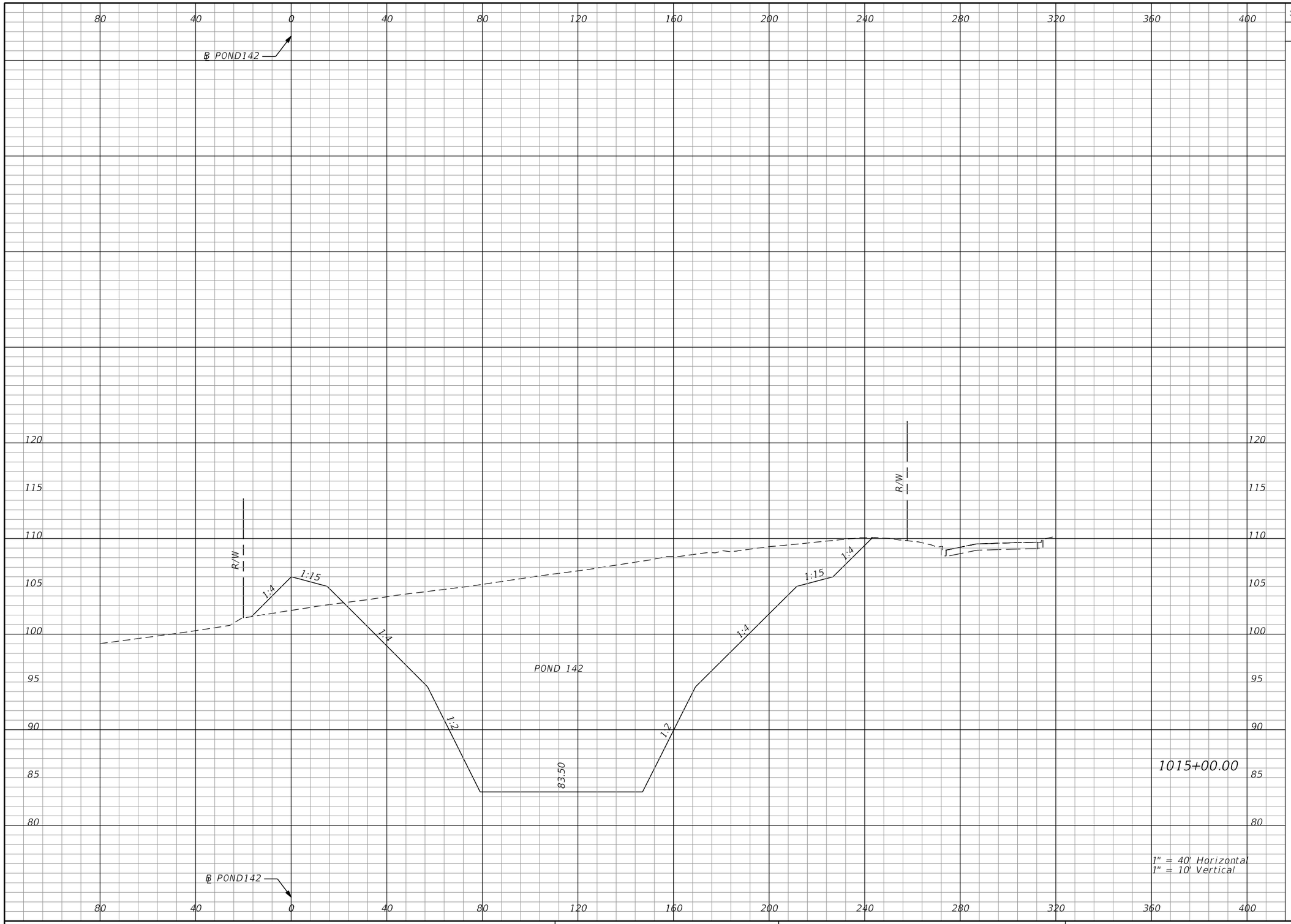
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND 142
CROSS SECTIONS

SHEET NO. 493

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 2:11:32 PM c:\pwworking\aecom_na\rmartini\d0166356\PDXSRD01_POND142.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	2982.4	10632.4	76.7	293.8

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

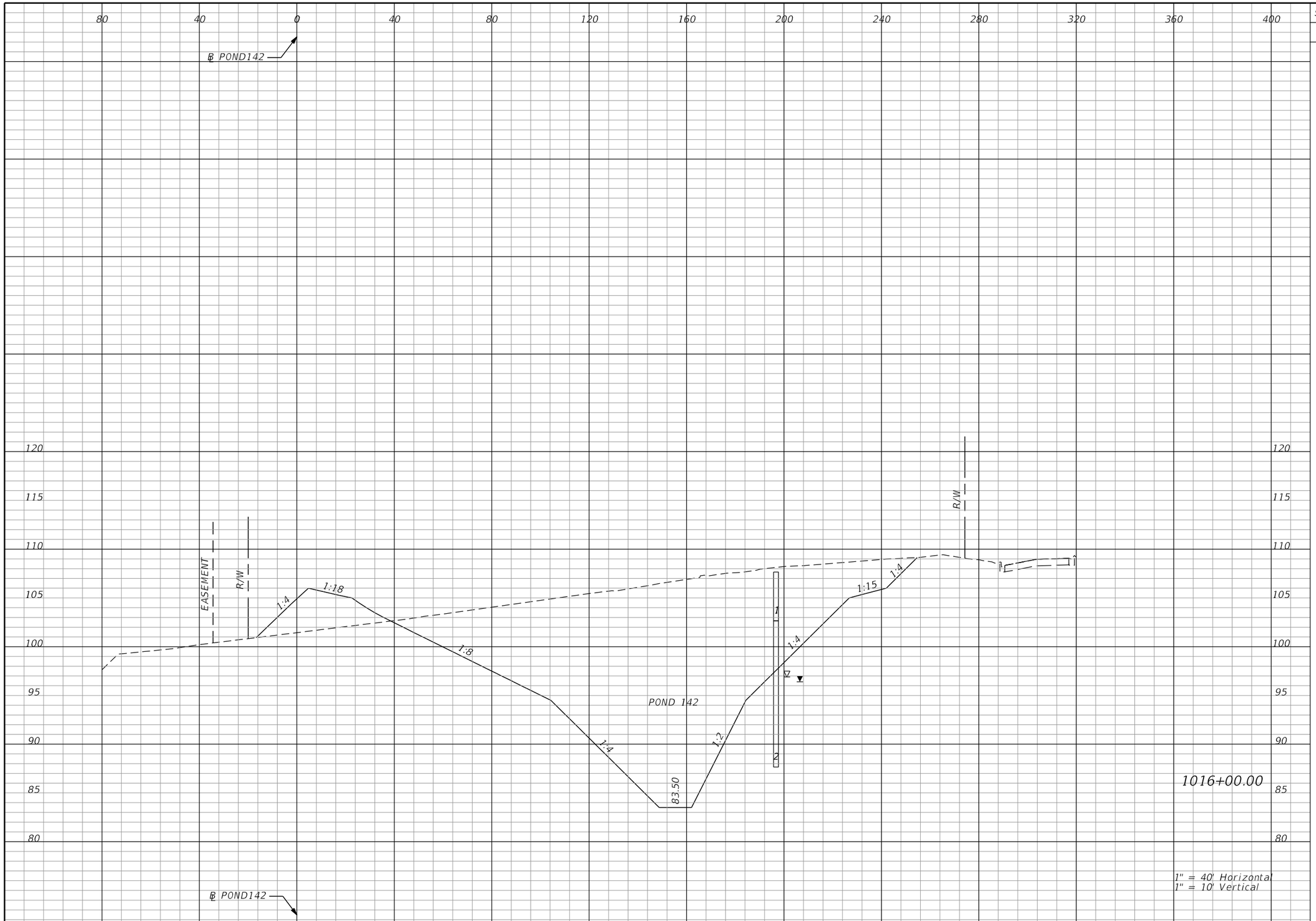
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND 142
CROSS SECTIONS

SHEET NO. 494

robert.martini 8/22/2019 2:11:34 PM c:\pwworking\aecom_na\rmartini\d0166356\PDXSRD01_POND142.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	2230.5	9653.5	134.2	390.5

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

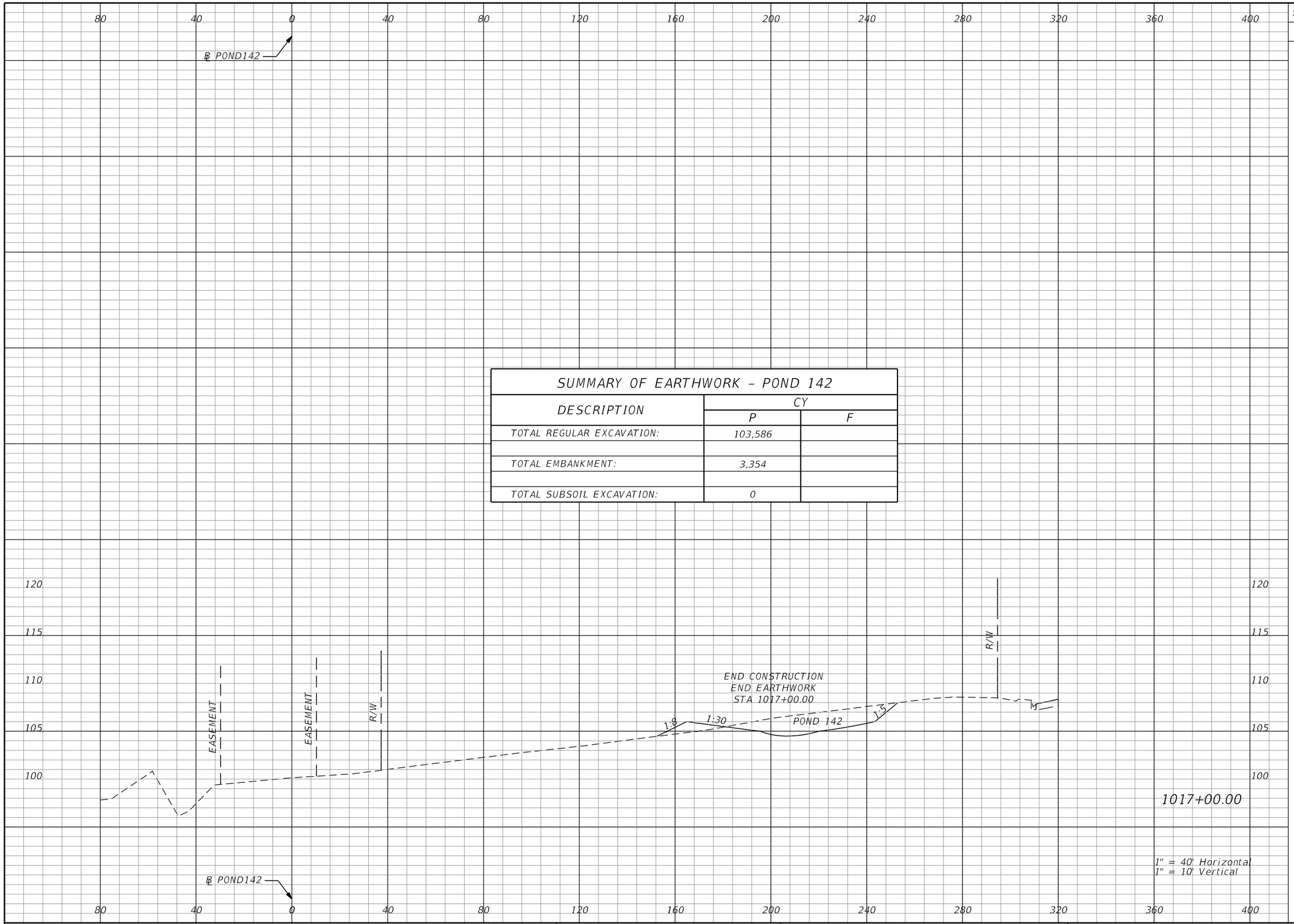
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND 142
CROSS SECTIONS

SHEET NO. 495

robert.martini 8/22/2019 2:11:35 PM c:\pwworking\aecom_na\rmartini\d0166356\PDXSRD01_POND142.DGN



SUMMARY OF EARTHWORK - POND 142

DESCRIPTION	CY	
	P	F
TOTAL REGULAR EXCAVATION:	103,586	
TOTAL EMBANKMENT:	3,354	
TOTAL SUBSOIL EXCAVATION:	0	

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	106.9	4328.5	16.8	279.5

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

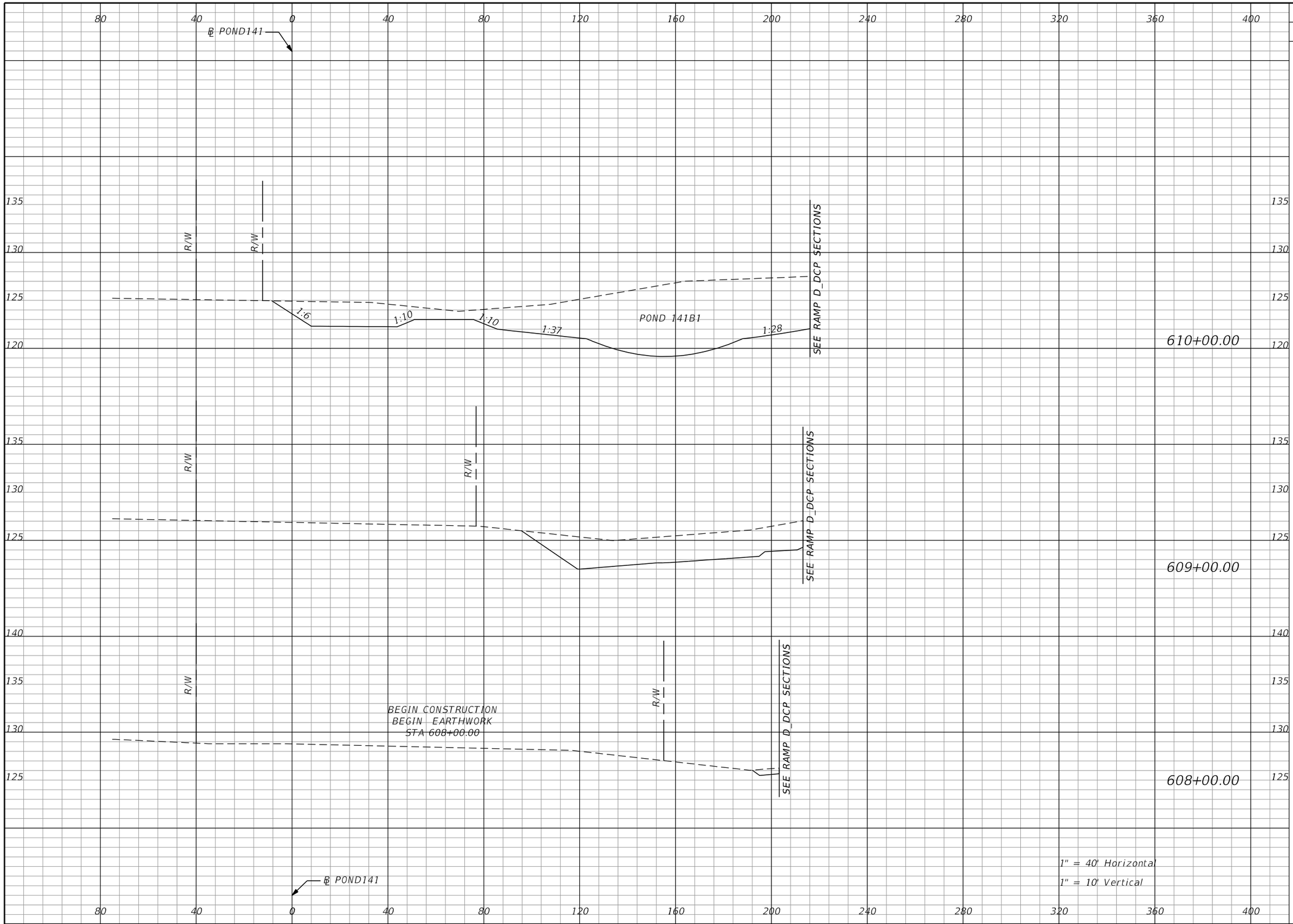
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

POND 142
CROSS SECTIONS

SHEET NO. 496

robert.martini 8/22/2019 2:11:37 PM c:\pwworking\aecom_na\rmartini\d0166356\PDxSRD01_POND142.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	882.5	2194.0	0.0	0.0
0.0	0.0	302.3	570.9	0.0	0.0
0.0	0.0	6.0	0.0	0.0	0.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

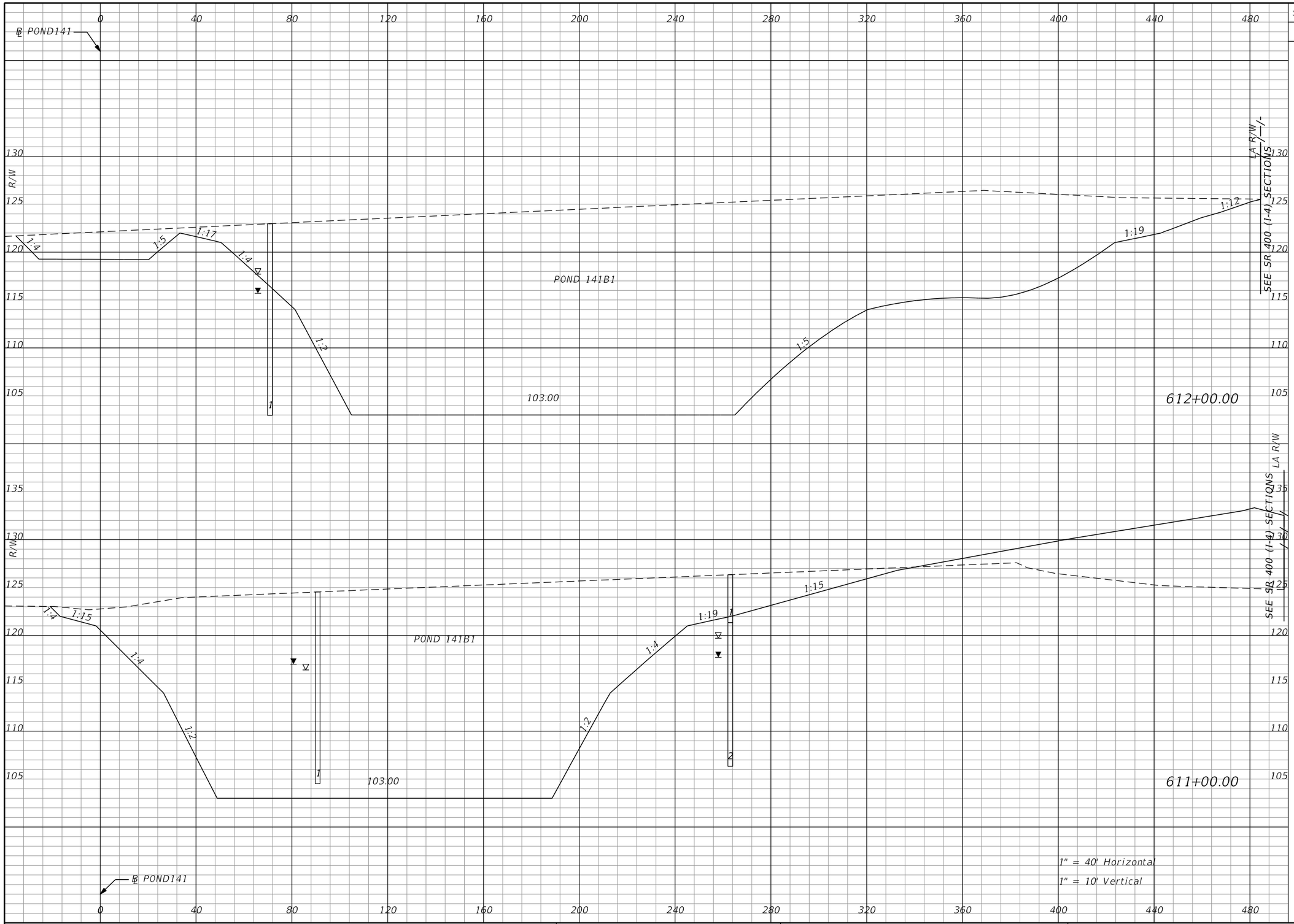
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B1 CROSS SECTIONS

SHEET NO. 497

robert.martini 8/22/2019 1:05:27 PM c:\pwworking\aecom_na\rmartini\d0166356\PDXSRD01_PALM_PARKWAY_PONDS.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	6198.0	19838.4	0.0	1250.3
0.0	0.0	4514.7	9994.8	675.2	1250.3

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

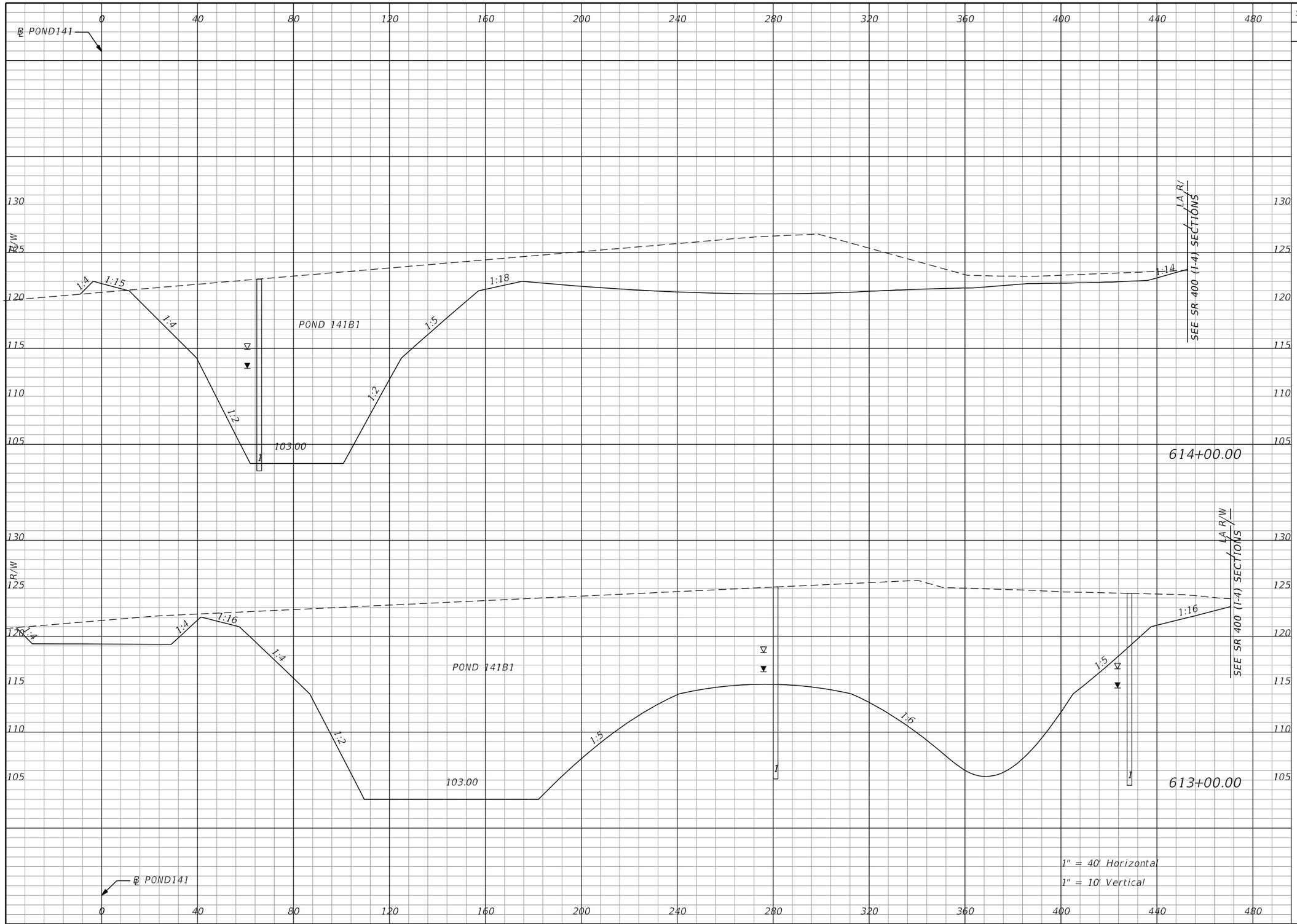
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B1 CROSS SECTIONS

SHEET NO. 498

robert.martini 8/22/2019 1:05:28 PM c:\pwworking\aecom_na\rmartini\d0166356\PDxSRD01_PALM_PARKWAY_PONDS.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		2675.3		12.1	
	0.0		15271.6		22.4
0.0		5571.3		0.0	
	0.0		21795.1		0.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

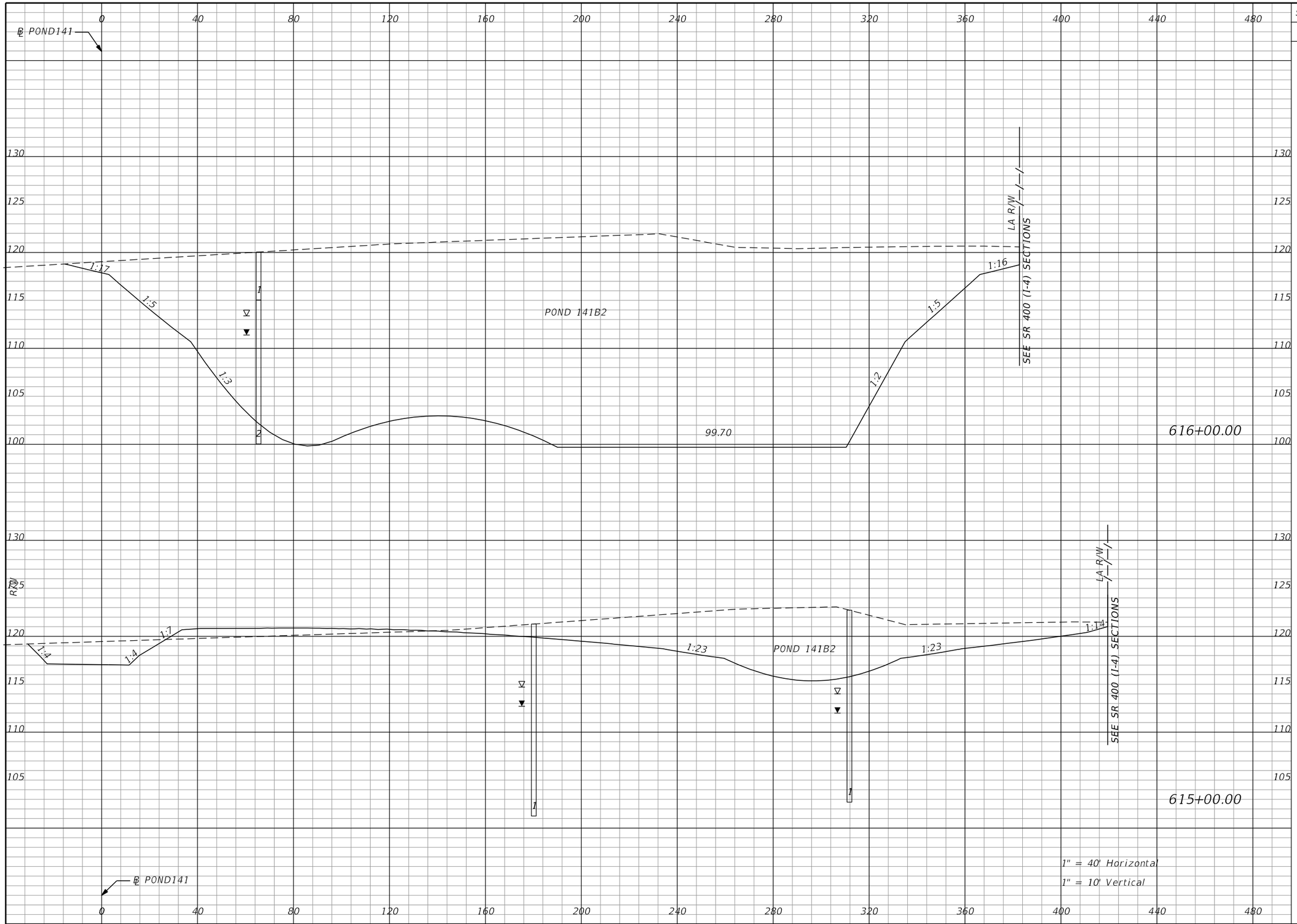
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B1 & B2 CROSS SECTIONS

SHEET NO. 499



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	6181.2	13370.8	0.0	129.2
0.0	0.0	1039.0	6878.4	69.8	151.6

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

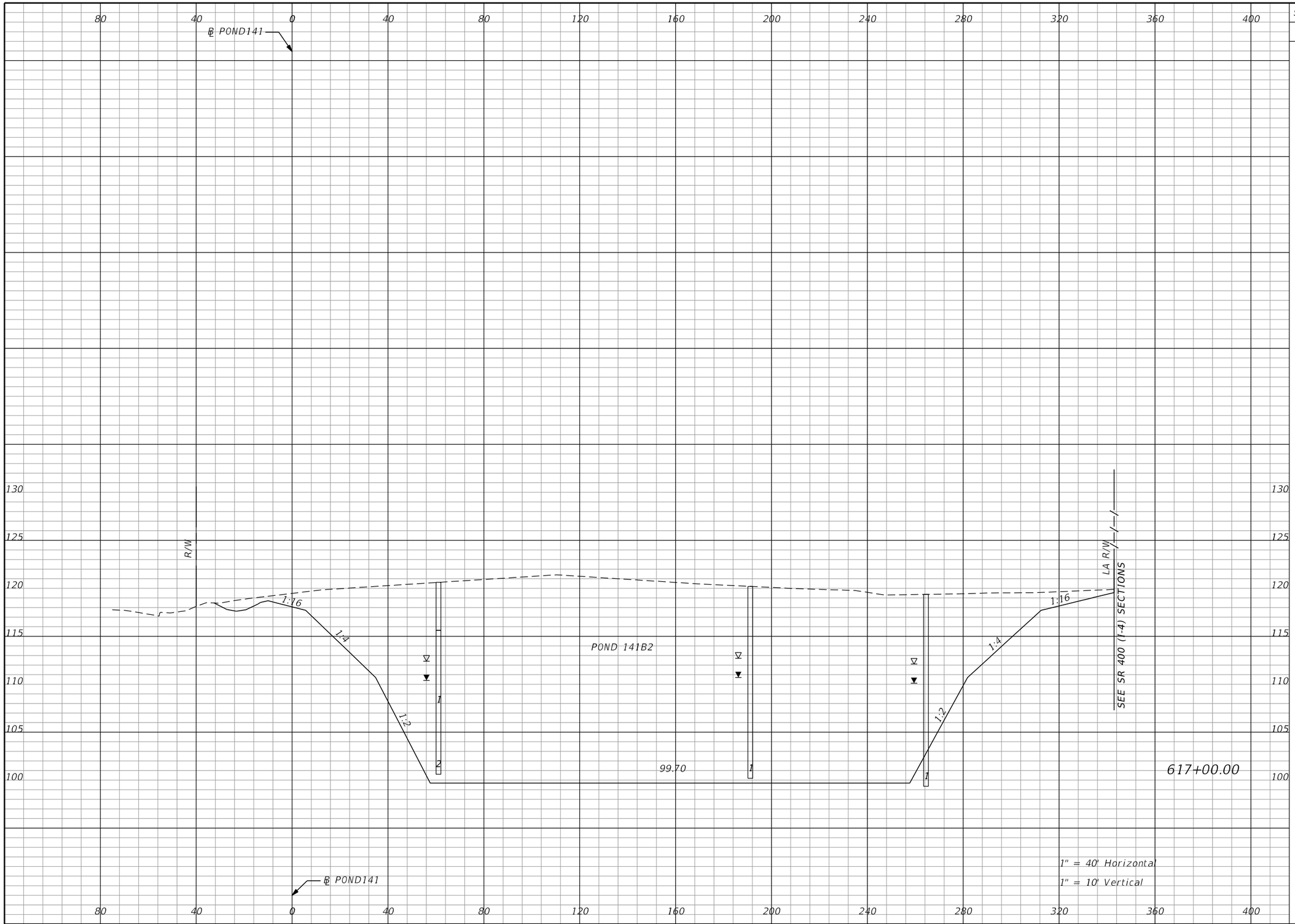
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B2 CROSS SECTIONS

SHEET NO. 500



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	5248.2	21165.5	0.0	0.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

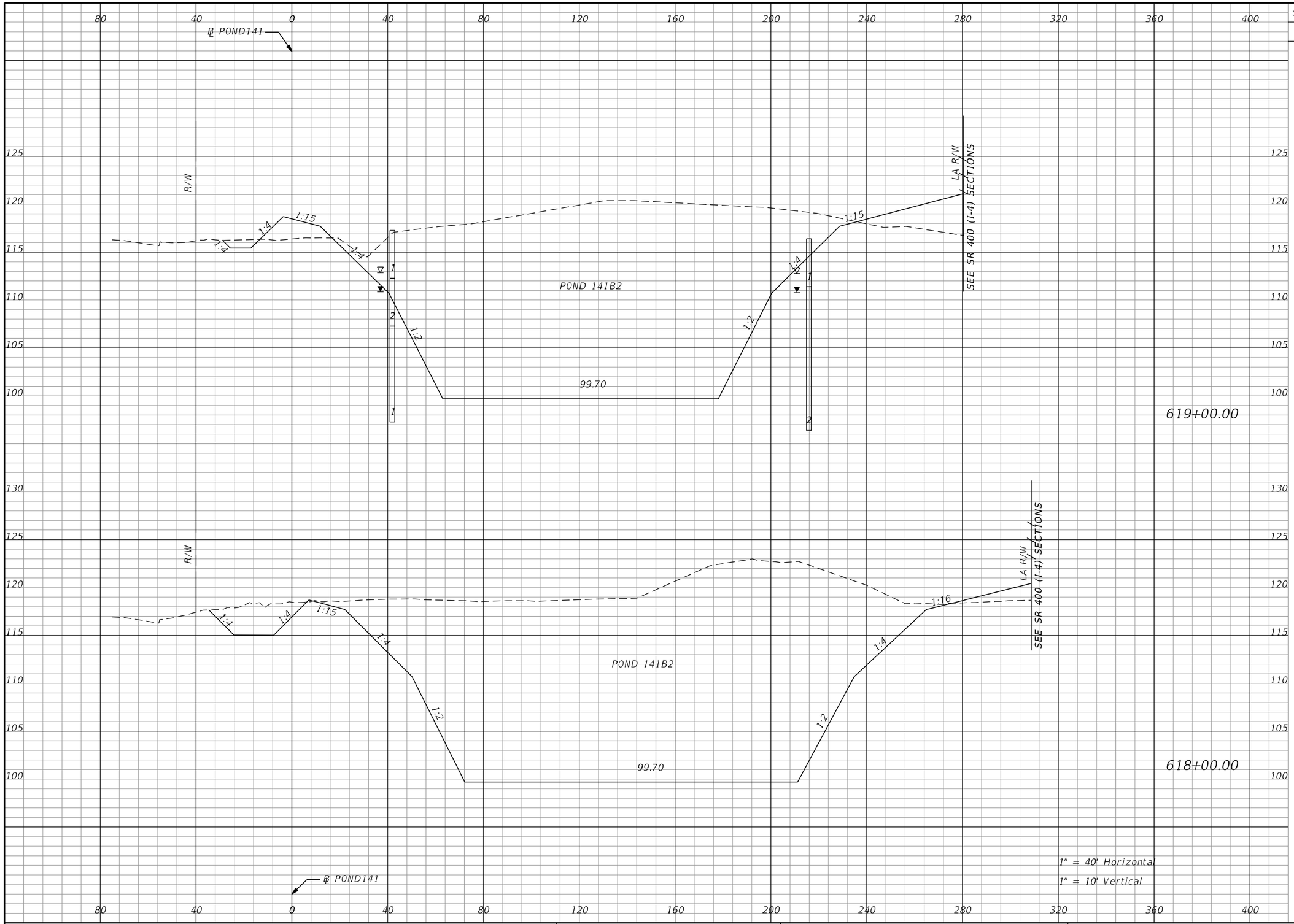
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B2 CROSS SECTIONS

SHEET NO. 501

robert.martini 8/22/2019 1:05:28 PM c:\pwworking\aecom_na\rmartini\d0166356\PDXSRD01_PALM_PARKWAY_PONDS.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		3069.7		139.0	
	0.0		12918.3		311.4
0.0		3906.2		29.1	
	0.0		16952.4		53.9

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

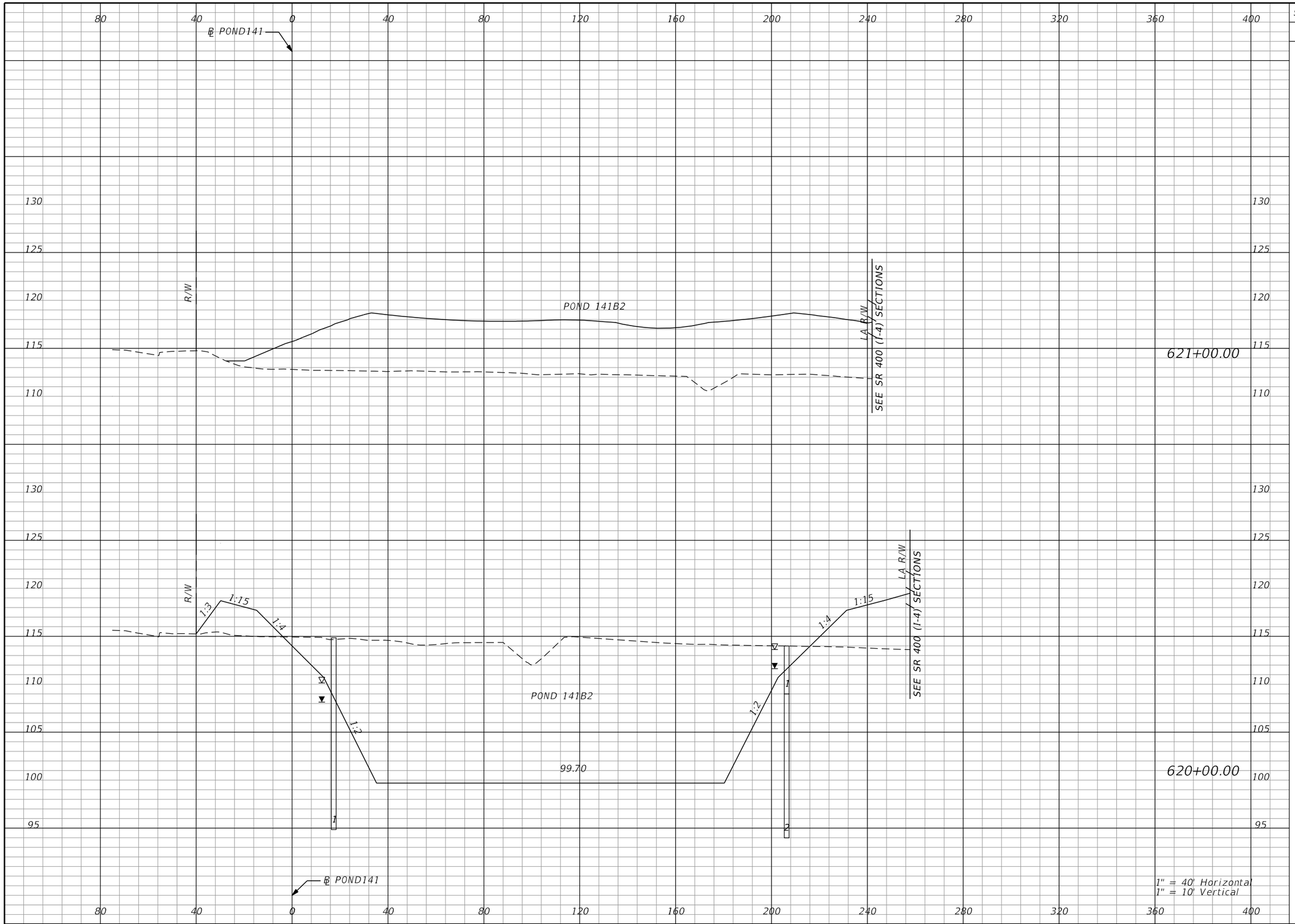
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B2 CROSS SECTIONS

SHEET NO. 502

robert.martini 8/22/2019 1:05:28 PM c:\pwworking\aecom_na\rmartini\d0166356\PDxSRD01_PALM_PARKWAY_PONDS.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	0.0	4754.5	1382.3	2995.8
0.0	0.0	2567.4	10439.2	235.4	693.4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

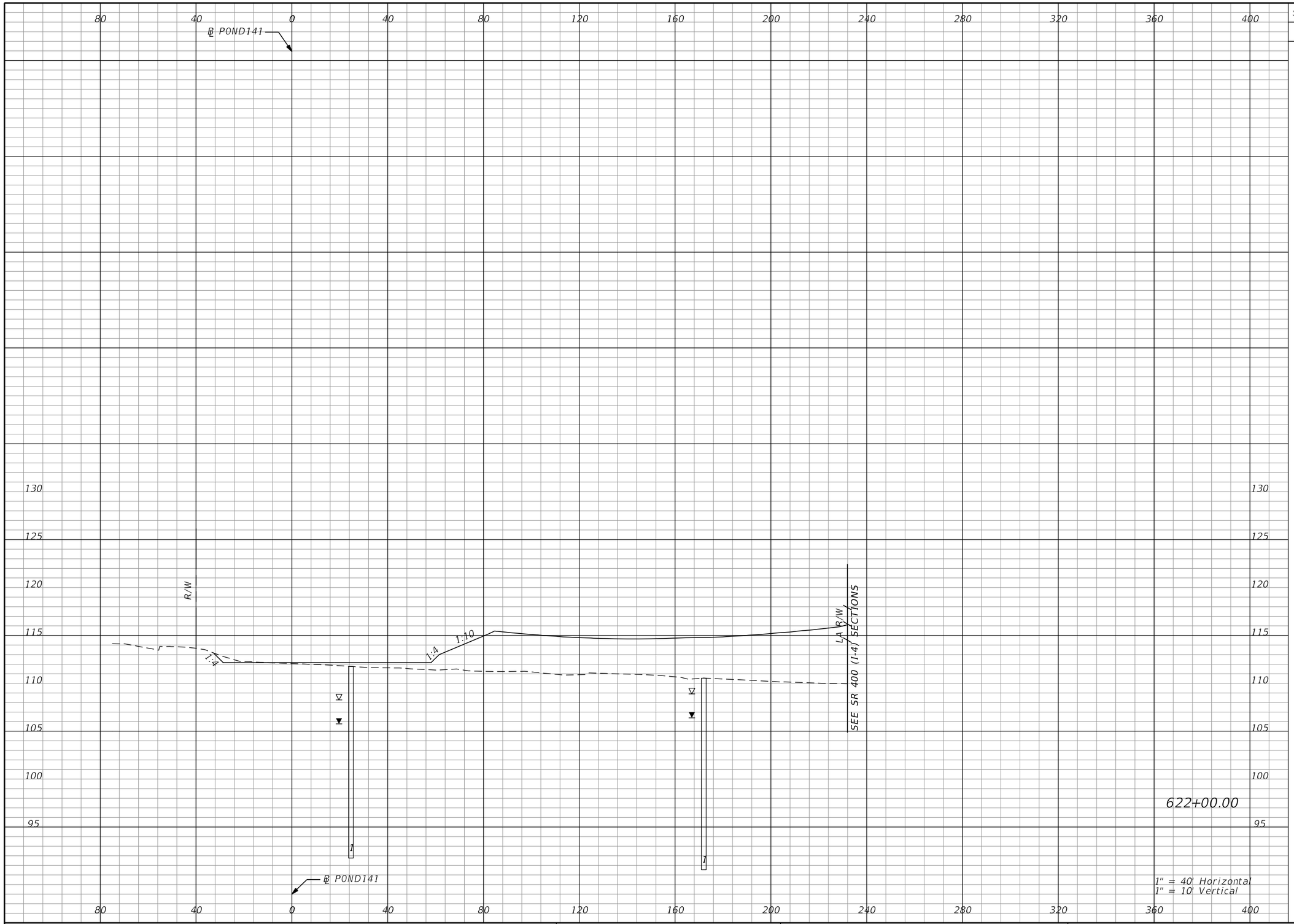
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B2 CROSS SECTIONS

SHEET NO. 503



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	4.8	8.8	741.1	3932.3

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

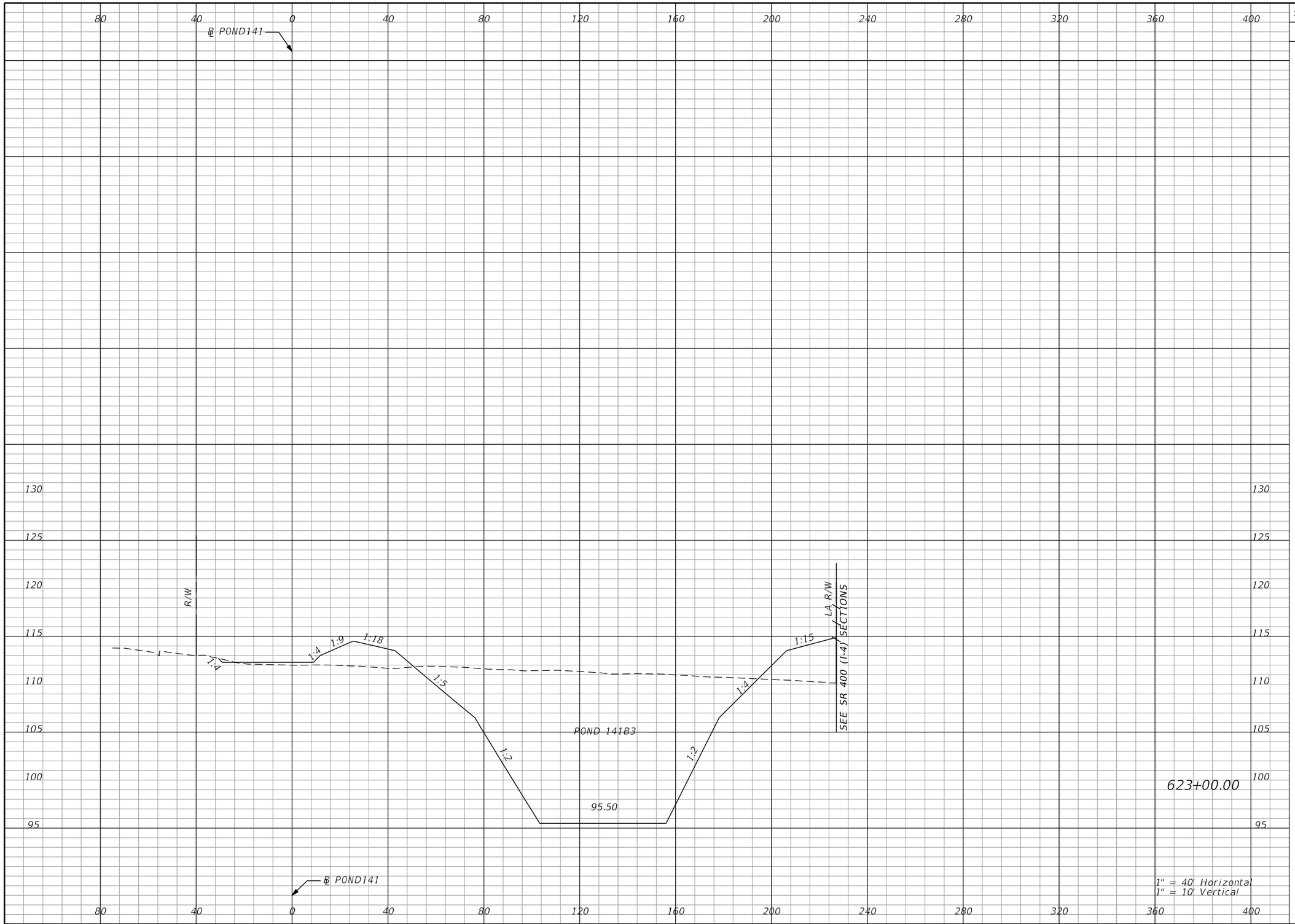
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B3 CROSS SECTIONS

SHEET NO. 504



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	1435.2	2666.6	179.9	1705.7

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

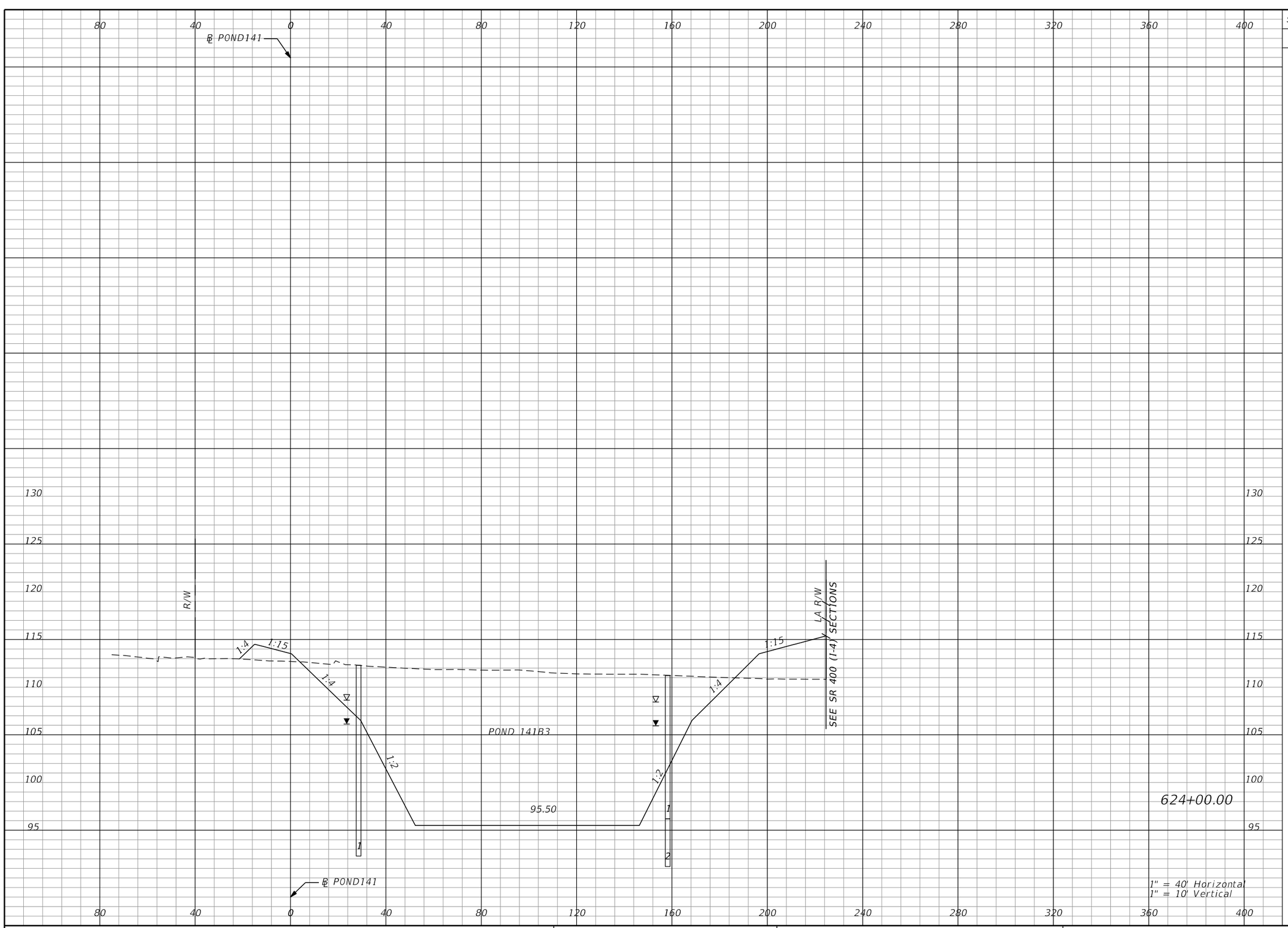
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B3 CROSS SECTIONS

SHEET NO. 505



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	2111.5	6567.9	139.9	592.4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

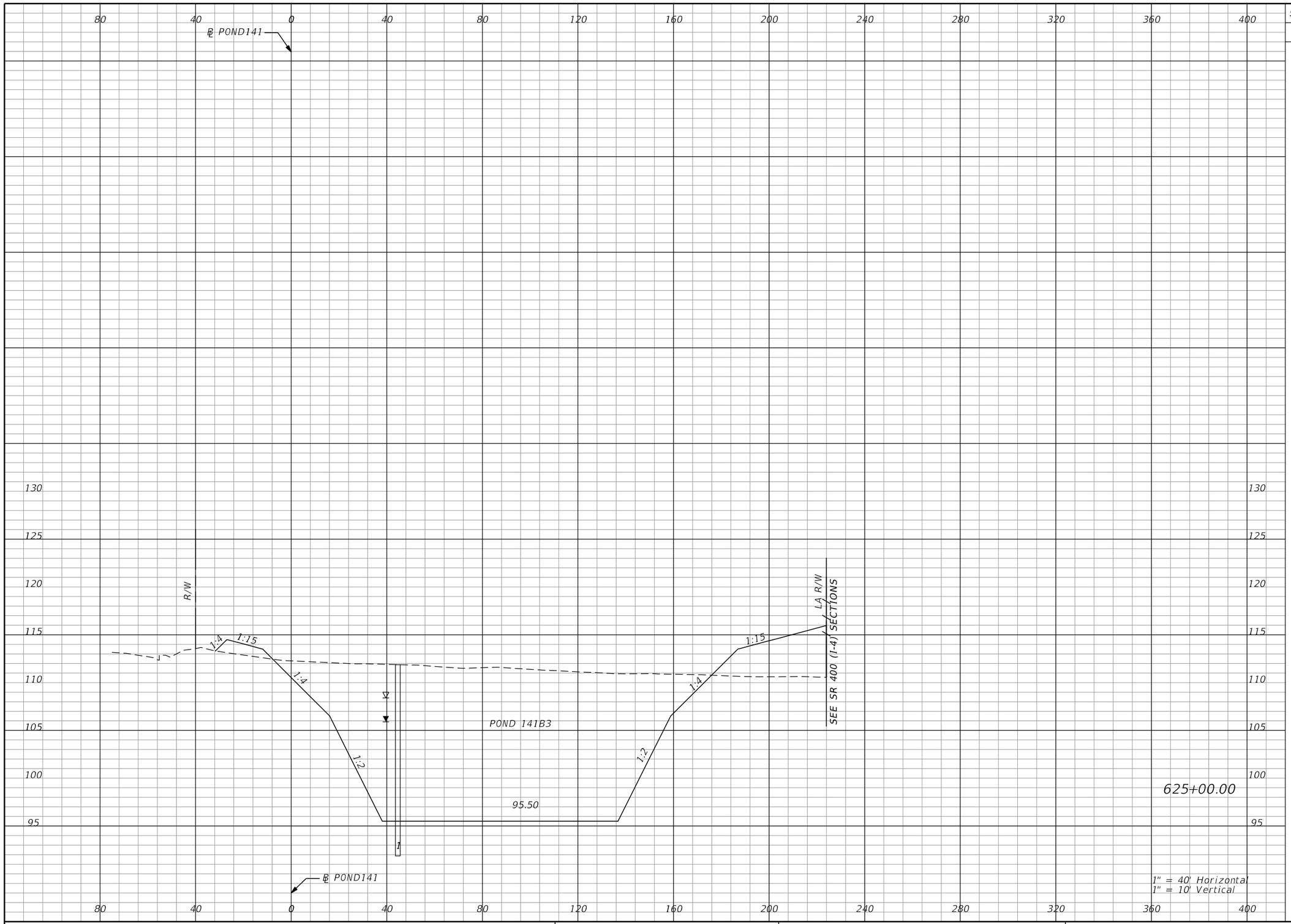
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B3 CROSS SECTIONS

SHEET NO. 506

robert.martini 8/22/2019 1:05:29 PM c:\pwworking\aecom_na\rmartini\d0166356\PDXSRD01_PALM_PARKWAY_PONDS.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	2137.8	7869.1	190.8	612.5

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

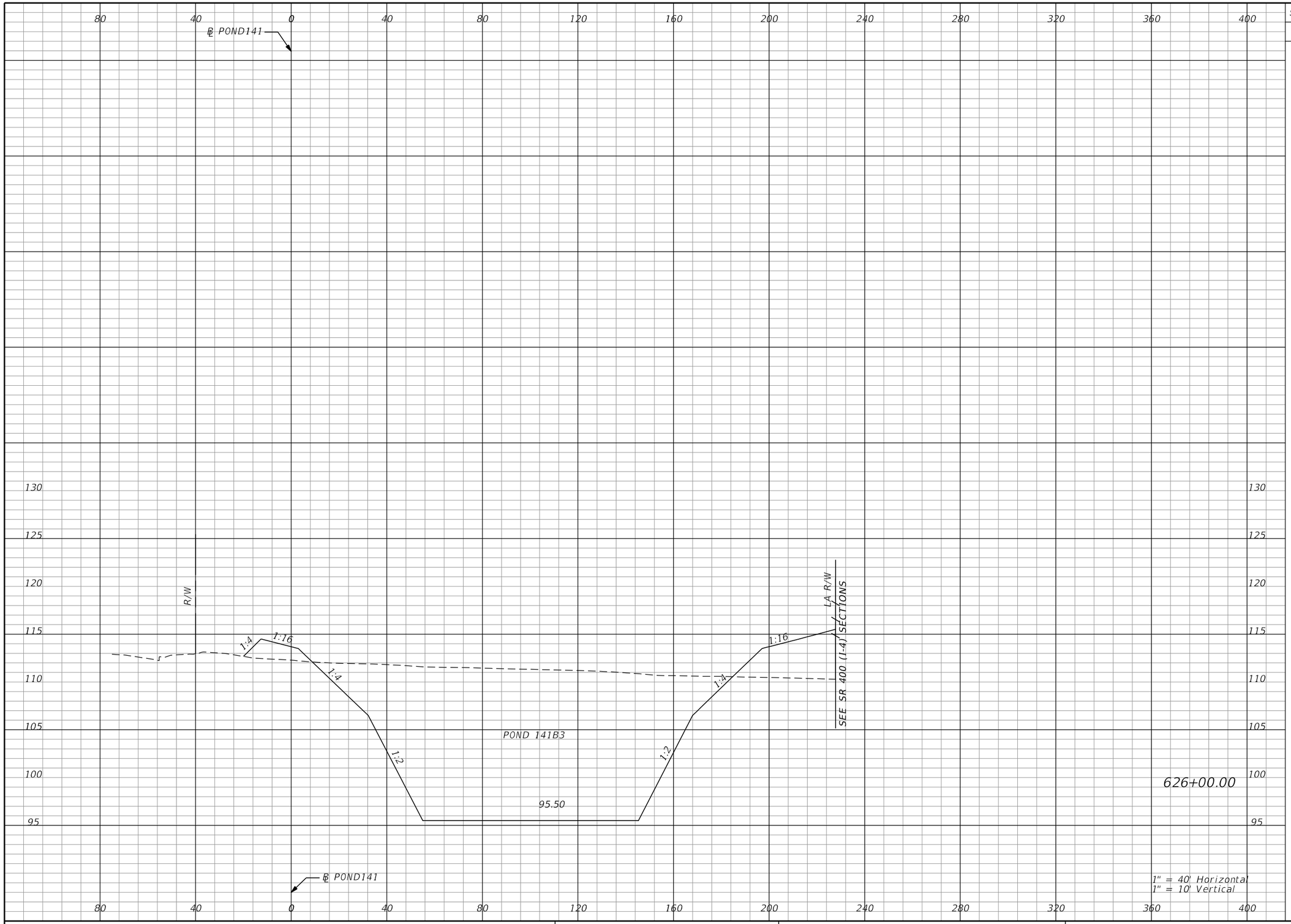
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B3 CROSS SECTIONS

SHEET NO. 507



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	1988.7	7641.6	182.3	691.1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

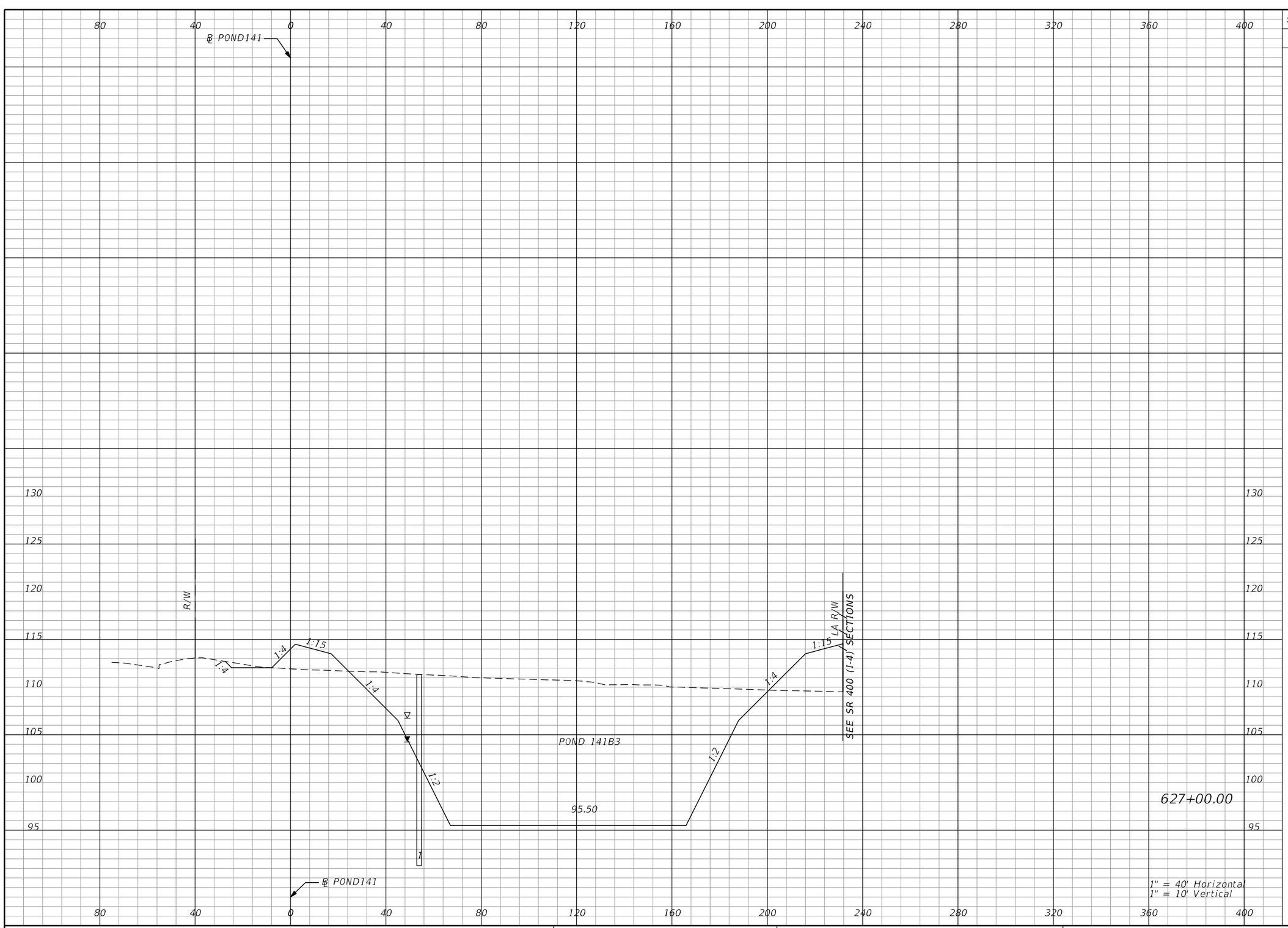
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B3 CROSS SECTIONS

SHEET NO. 508

robert.martini 8/22/2019 1:05:30 PM c:\pwworking\aecom_na\rmartini\d0166356\PDXSRD01_PALM_PARKWAY_PONDS.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	1993.1	7373.6	152.1	619.3

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

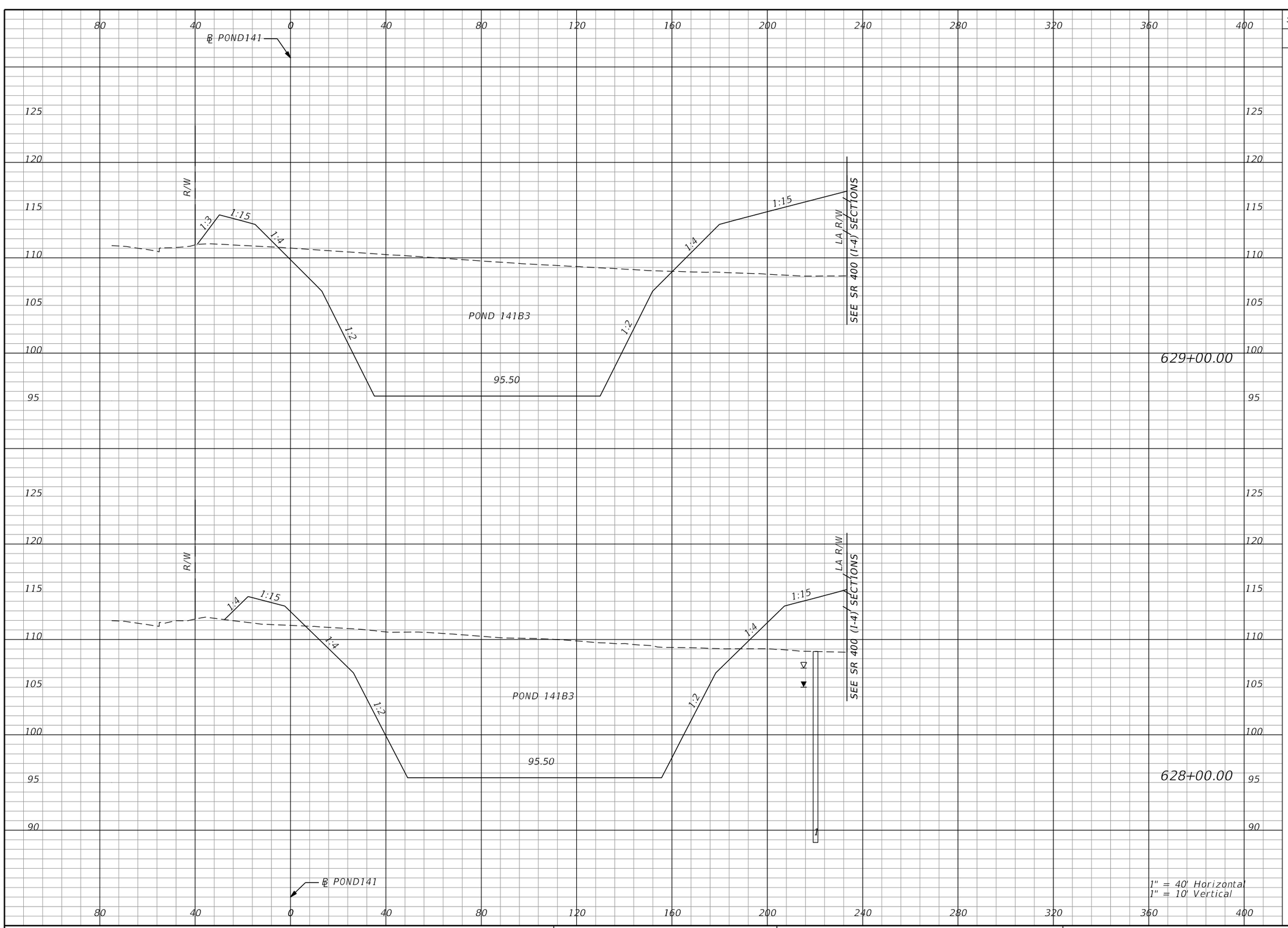
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B3 CROSS SECTIONS

SHEET NO. 509



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		1771.3		491.0	
	0.0		7019.9		1368.5
0.0		2019.4		248.0	
	0.0		7430.6		740.9

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

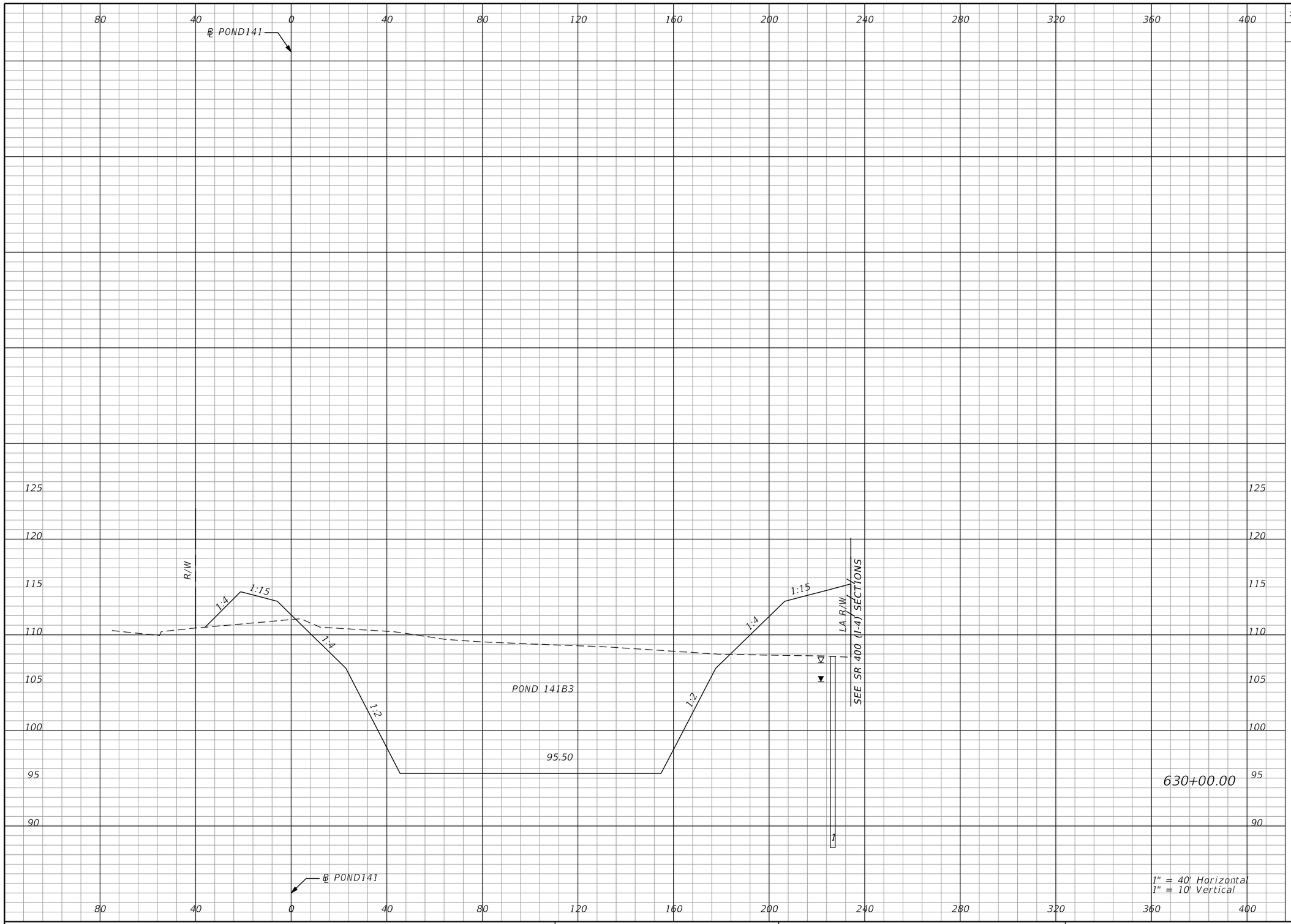
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B3 CROSS SECTIONS

SHEET NO. 510

robert.martini 8/22/2019 1:05:30 PM c:\pwworking\aecom_na\rmartini\d0166356\PDXSRD01_PALM_PARKWAY_PONDS.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	1909.6	6816.5	322.6	1506.6

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

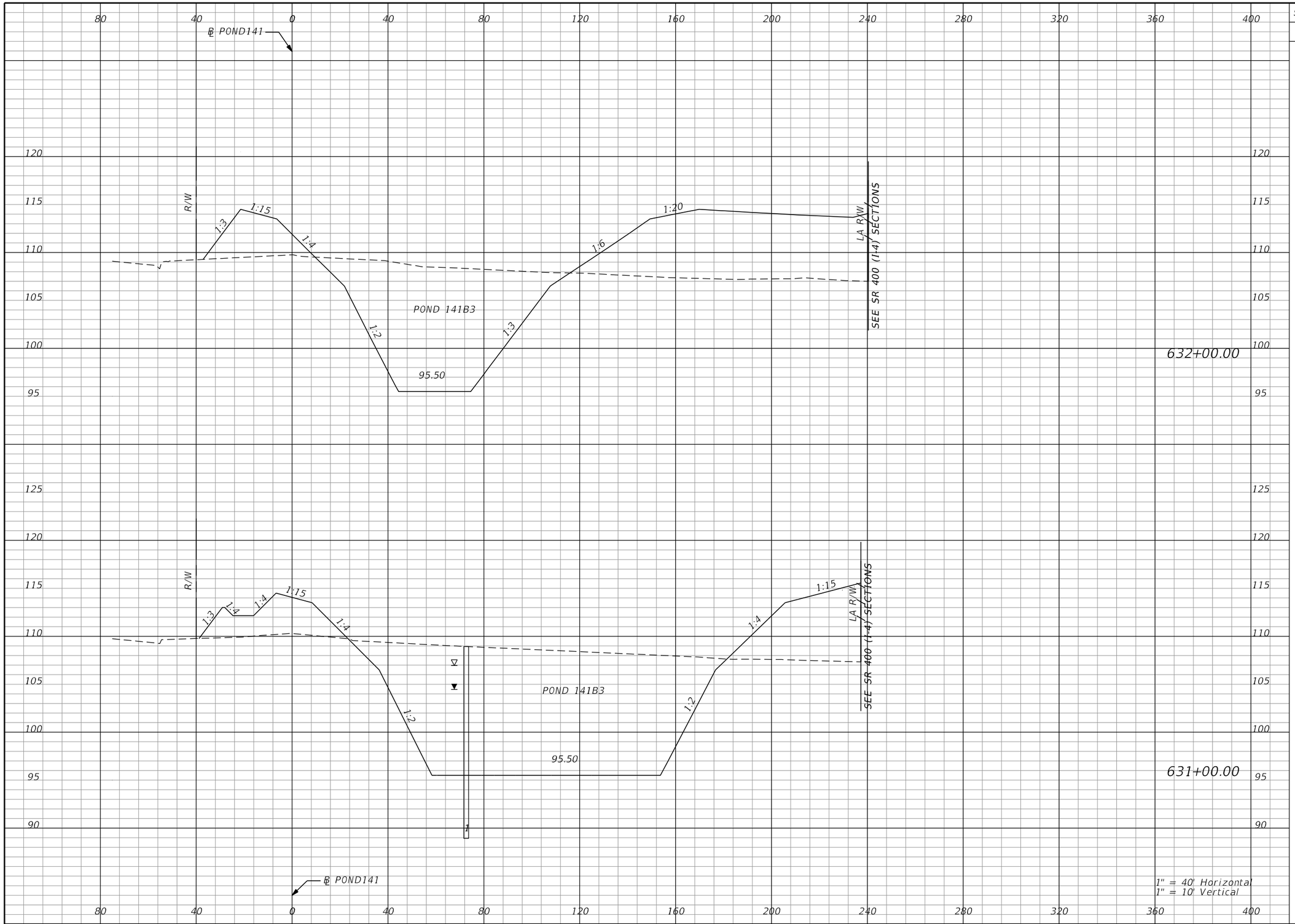
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B3 CROSS SECTIONS

SHEET NO. 511

robert.martini 8/22/2019 1:05:30 PM c:\pwworking\aecom_na\rmartini\d0166356\PDXSRD01_PALM_PARKWAY_PONDS.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		837.0		852.0	
	0.0		4523.0		2420.9
0.0		1605.4		455.3	
	0.0		6509.3		1440.5

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

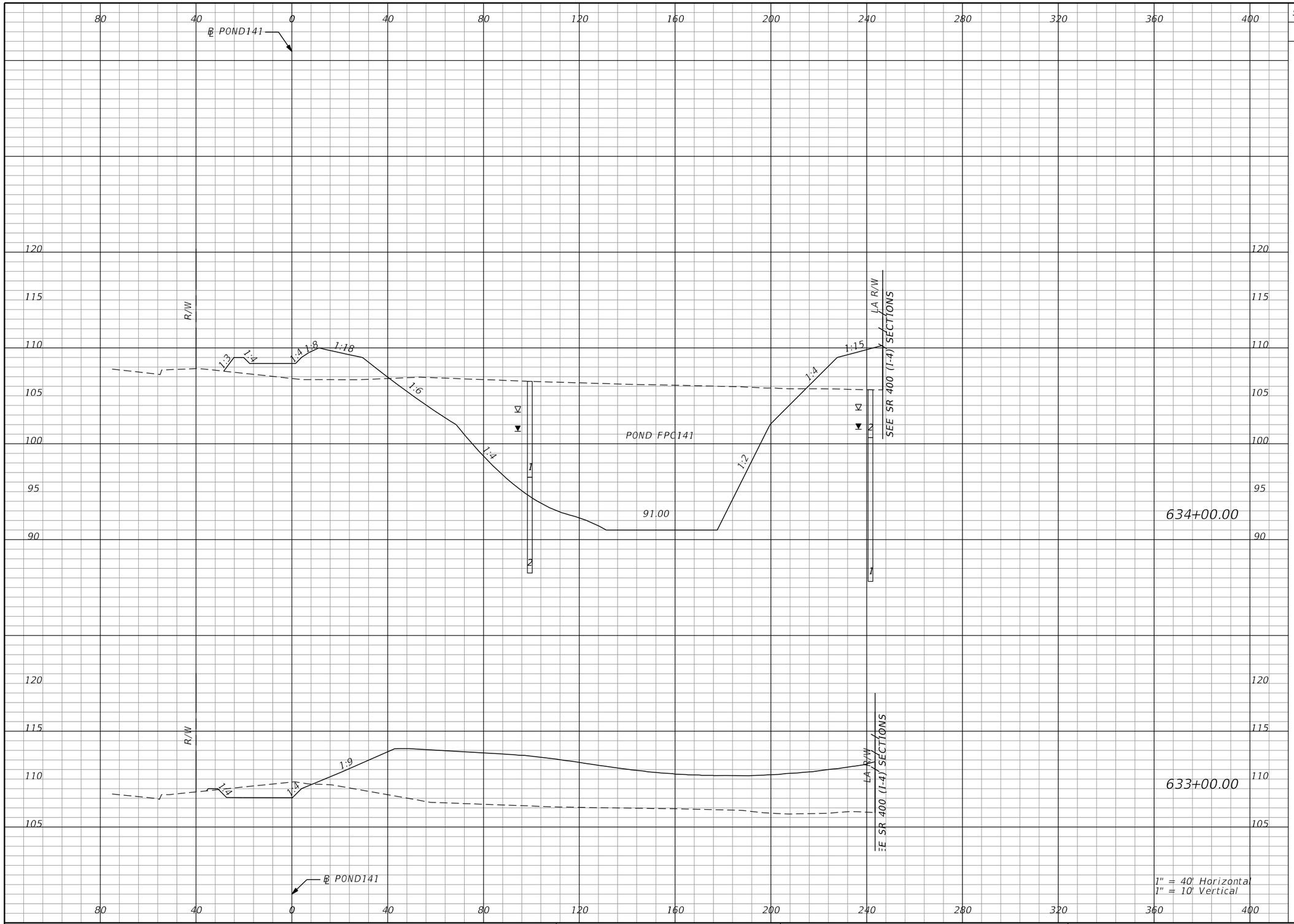
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B3 CROSS SECTIONS

SHEET NO. 512



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	1716.6	3257.7	225.3	2252.0
0.0	0.0	42.5	1628.7	990.8	3412.7

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

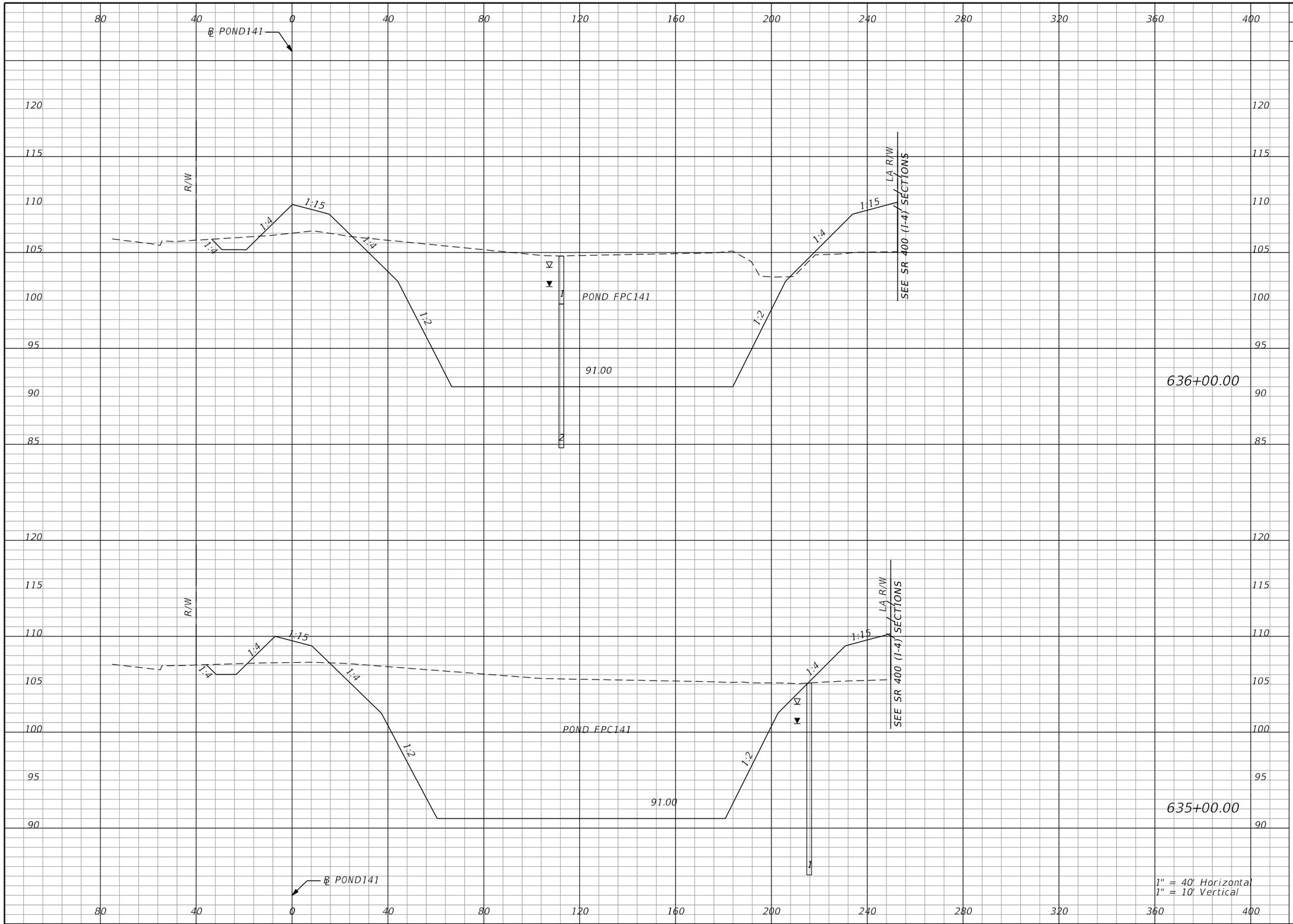
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND FPC141
CROSS SECTIONS

SHEET NO. 513



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		2052.7		190.6	
	0.0		8010.8		659.2
0.0		2273.1		165.3	
	0.0		7388.4		723.3

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

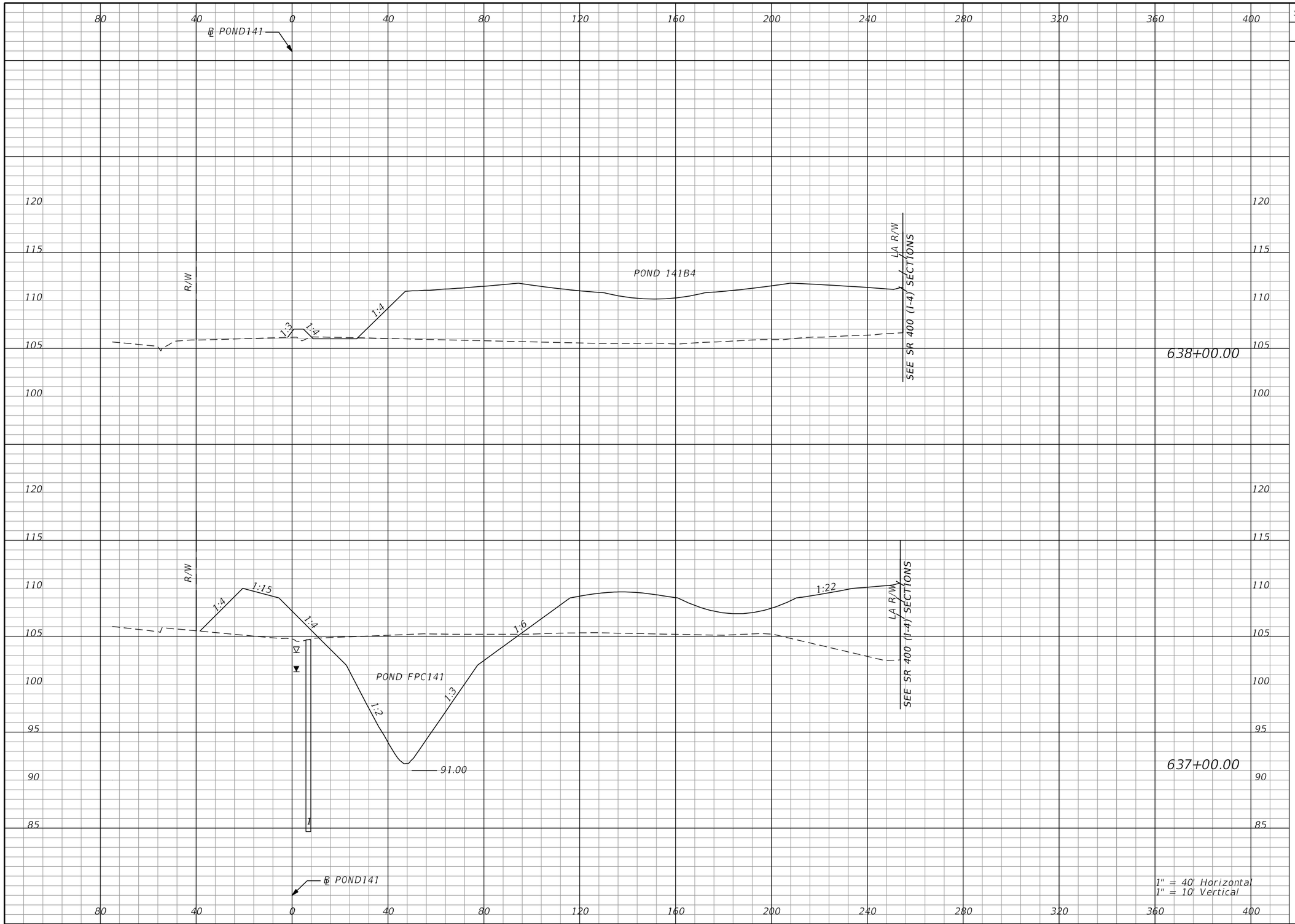
Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND FPC141 CROSS SECTIONS

SHEET NO. 514



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0		2.9		1154.9	
	0.0		971.3		3595.8
0.0		521.5		786.9	
	0.0		4767.2		1810.2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

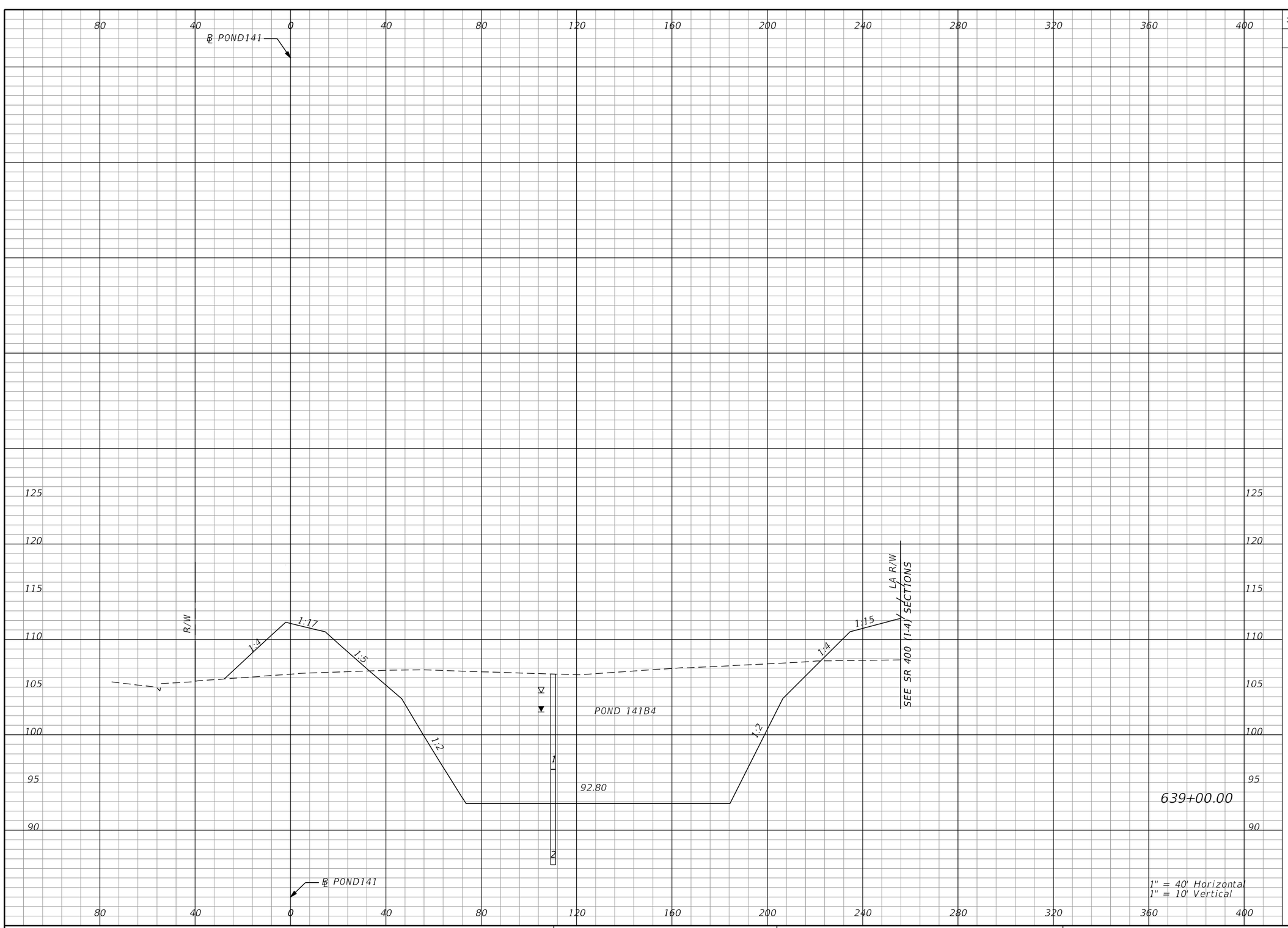
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND FPC141 & POND 141B4 CROSS SECTIONS

SHEET NO. 515

robert.martini 8/22/2019 1:05:31 PM c:\pwworking\aecom_na\rmartini\d0166356\PDXSRD01_PALM_PARKWAY_PONDS.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	2016.6	3739.9	287.3	2670.6

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

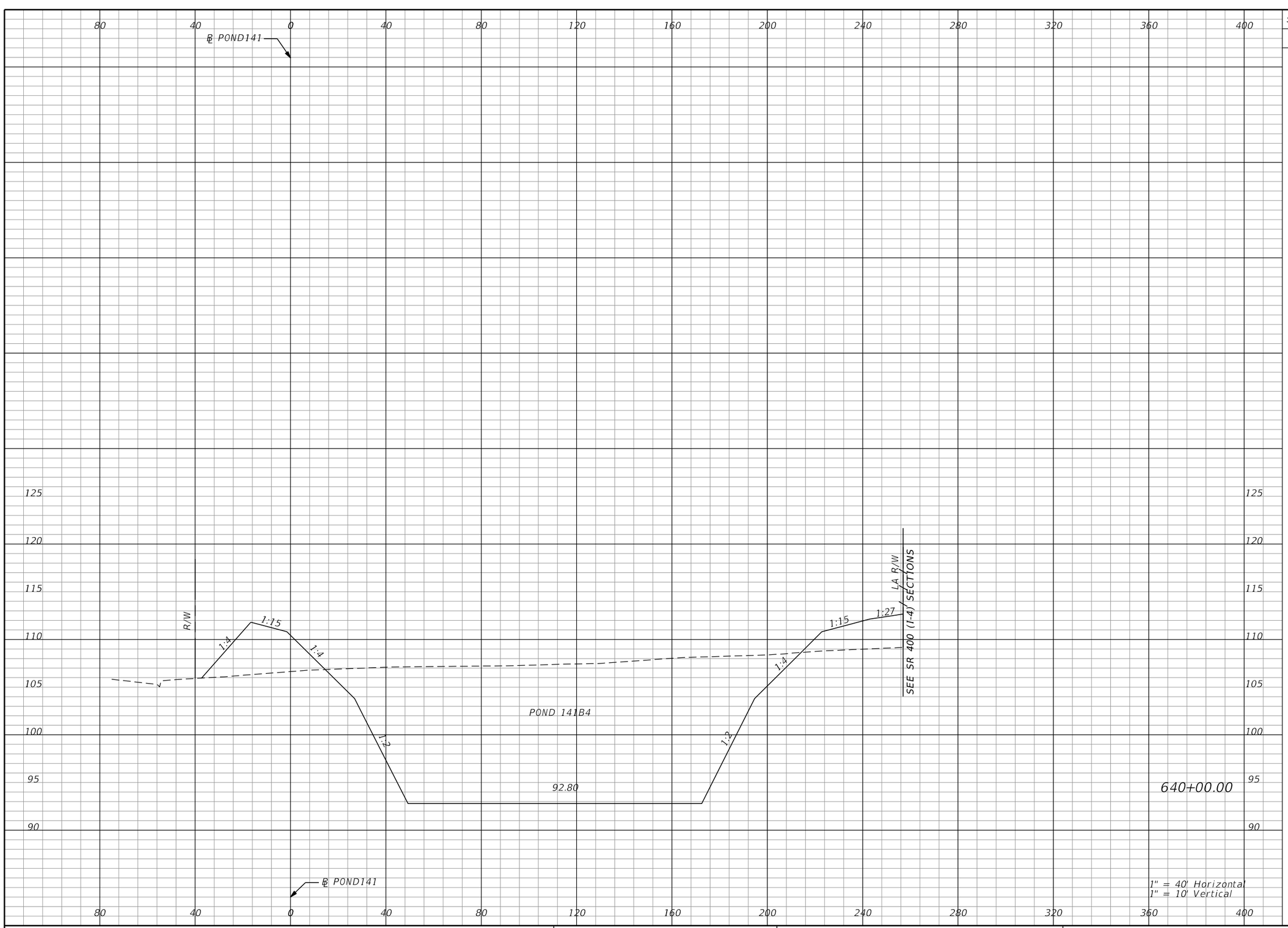
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B4 CROSS SECTIONS

SHEET NO. 516

robert.martini 8/22/2019 1:05:31 PM c:\pwworking\aecom_na\rmartini\d0166356\PDXSRD01_PALM_PARKWAY_PONDS.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	2288.2	7971.8	270.7	1033.3

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

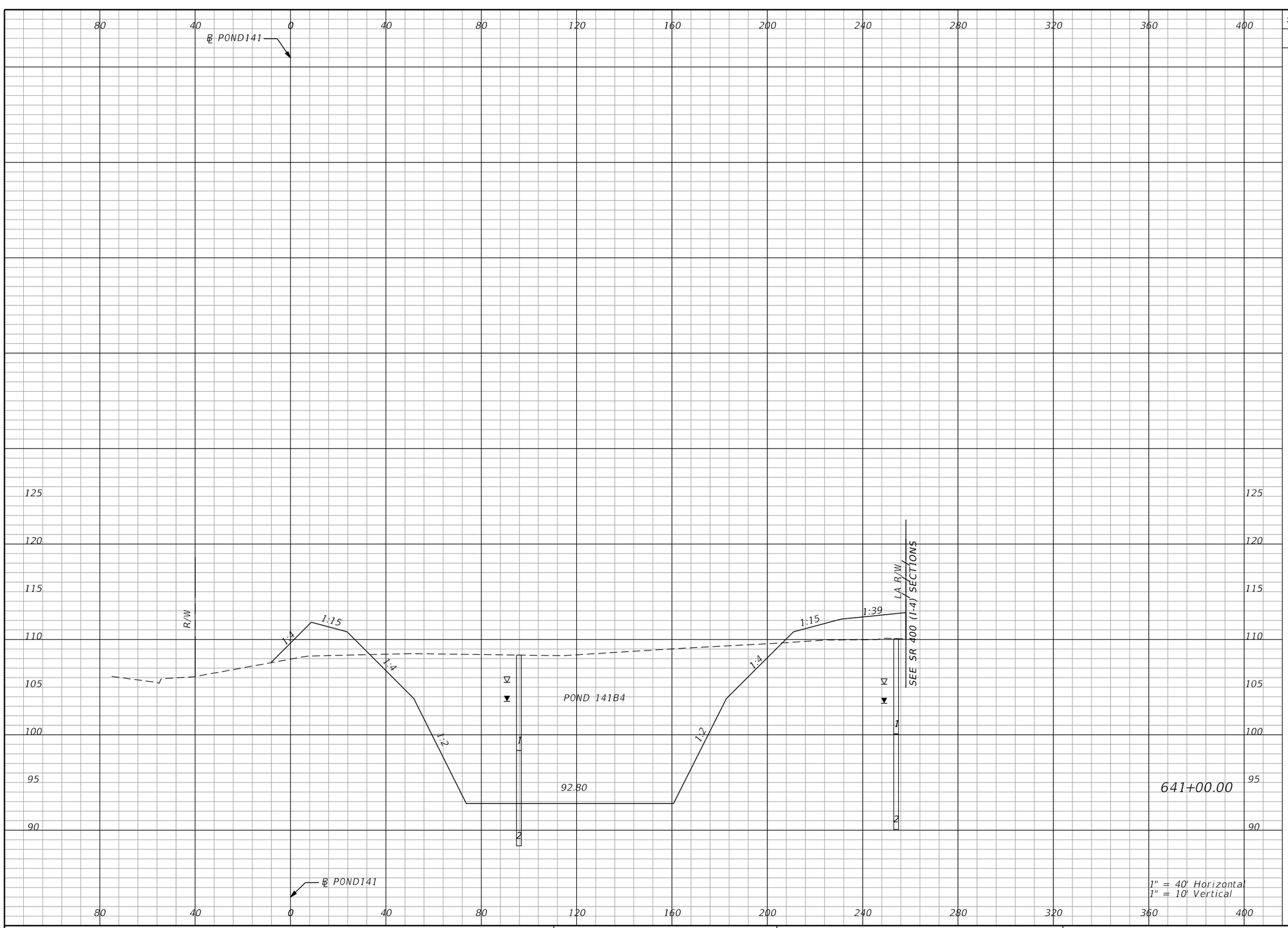
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B4 CROSS SECTIONS

SHEET NO. 517

robert.martini 8/22/2019 1:05:31 PM c:\pwworking\aecom_na\rmartini\d0166356\PDXSRD01_PALM_PARKWAY_PONDS.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	1939.4	7828.9	187.3	848.1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

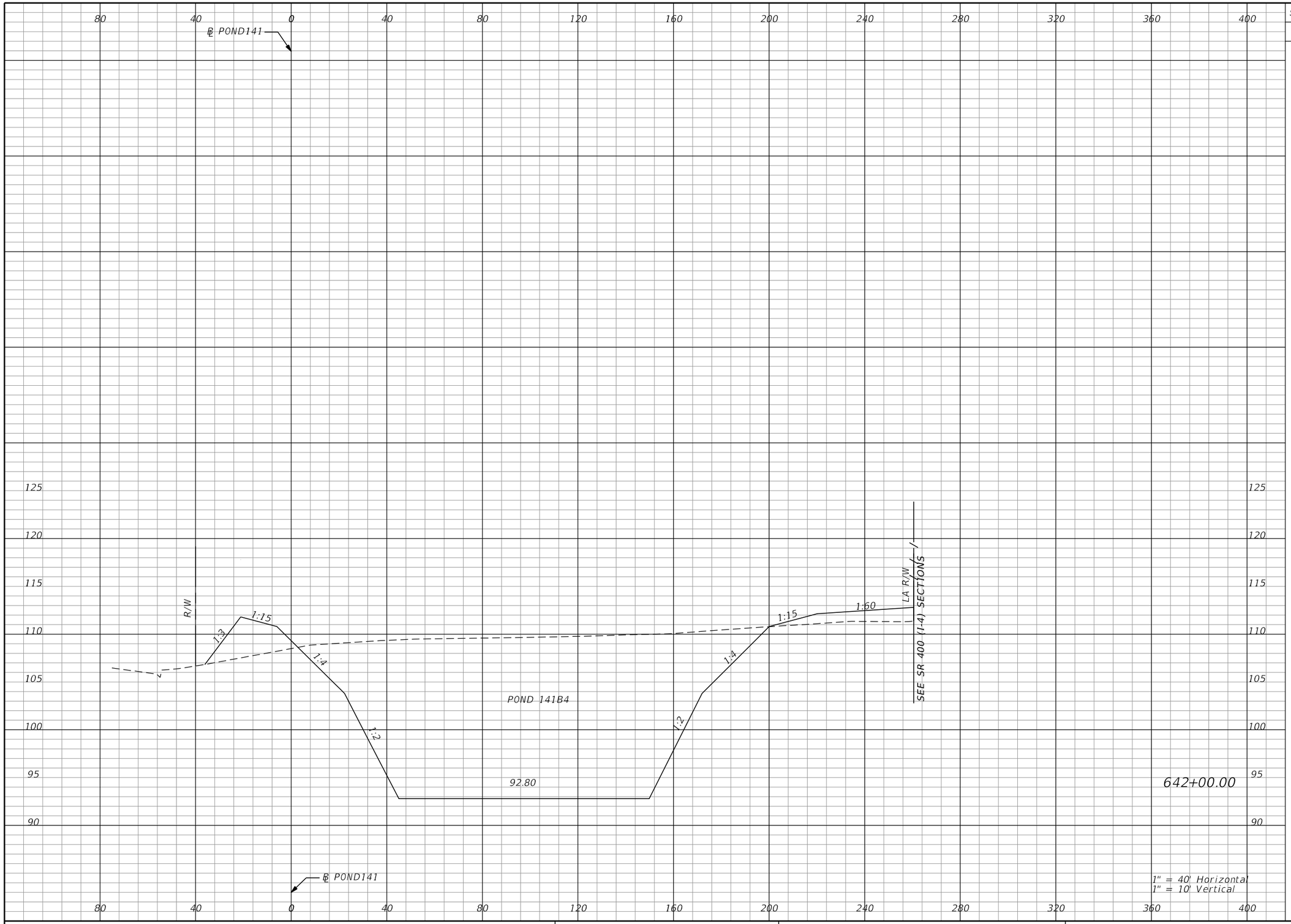
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B4 CROSS SECTIONS

SHEET NO. 518

robert.martini 8/22/2019 1:05:32 PM c:\pwworking\aecom_na\rmartini\d0166356\PDXSRD01_PALM_PARKWAY_PONDS.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	2422.8	8078.2	153.9	631.8

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

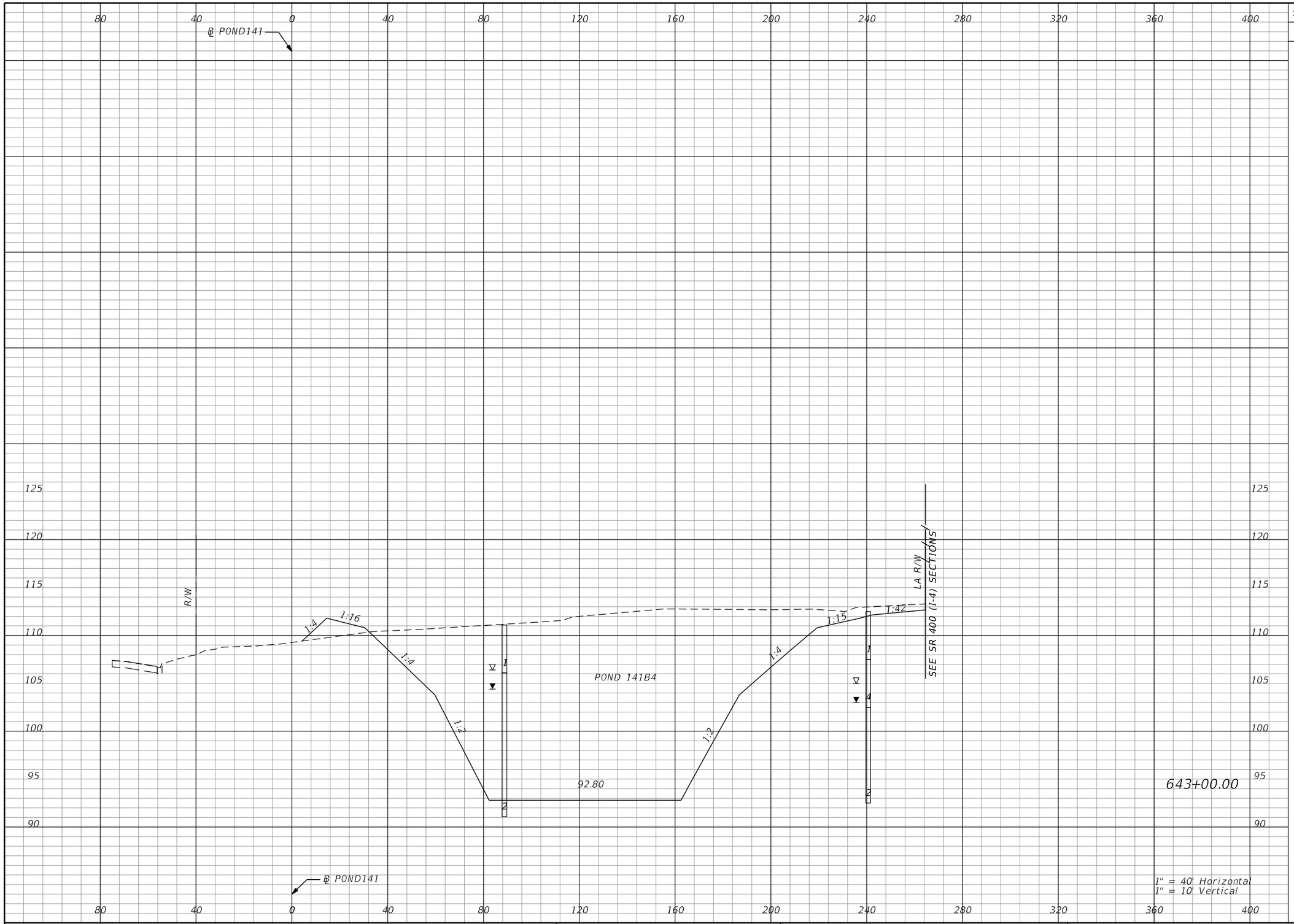
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B4 CROSS SECTIONS

SHEET NO. 519

robert.martini 8/22/2019 1:05:32 PM c:\pwworking\aecom_na\rmartini\d0166356\PDXSRD01_PALM_PARKWAY_PONDS.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	2486.4	9091.1	31.3	343.0

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

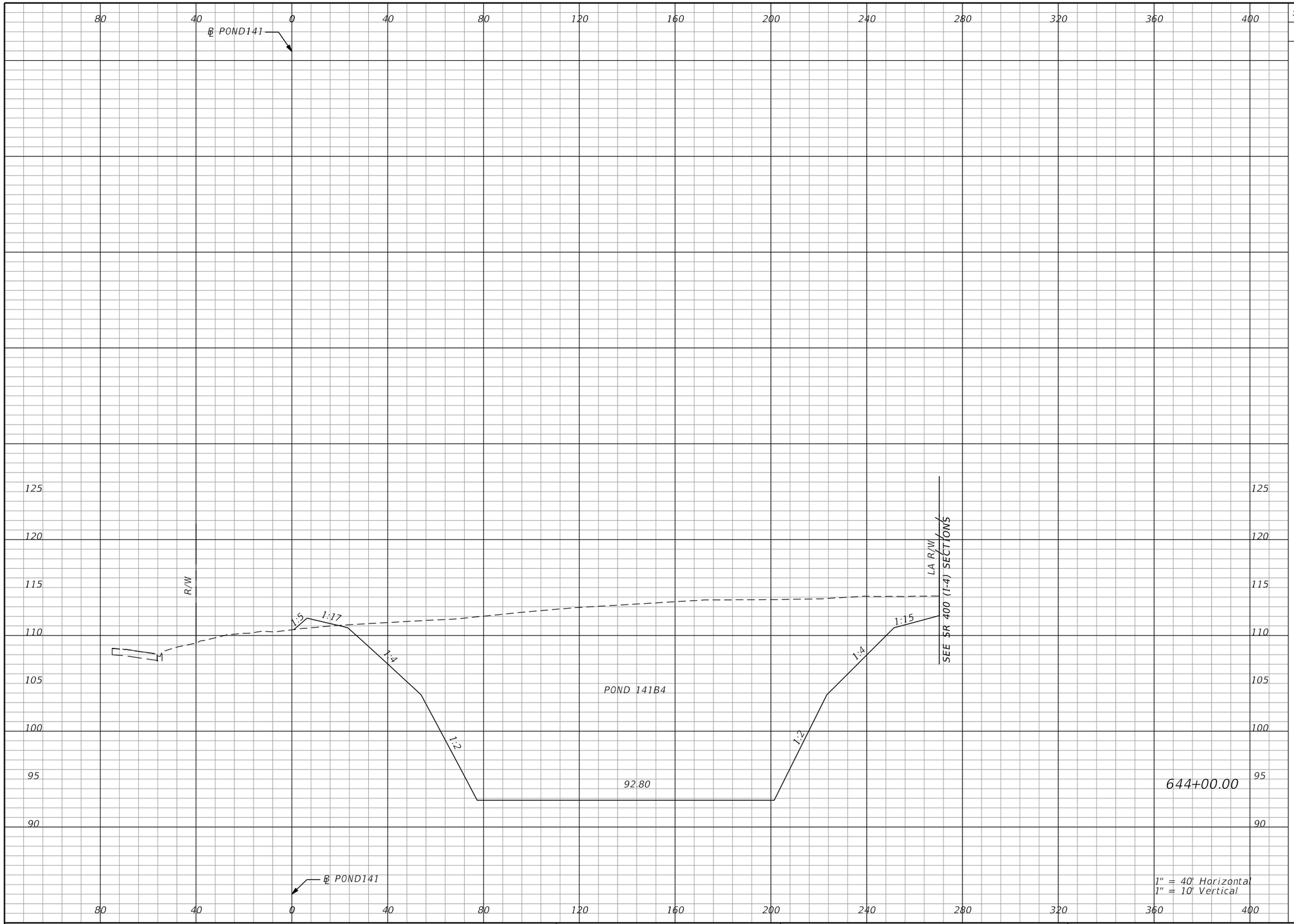
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B4 CROSS SECTIONS

SHEET NO. 520

robert.martini 8/22/2019 1:05:32 PM c:\pwworking\aecom_na\rmartini\d0166356\PDxSRD01_PALM_PARKWAY_PONDS.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	3533.9	11148.7	9.5	75.5

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

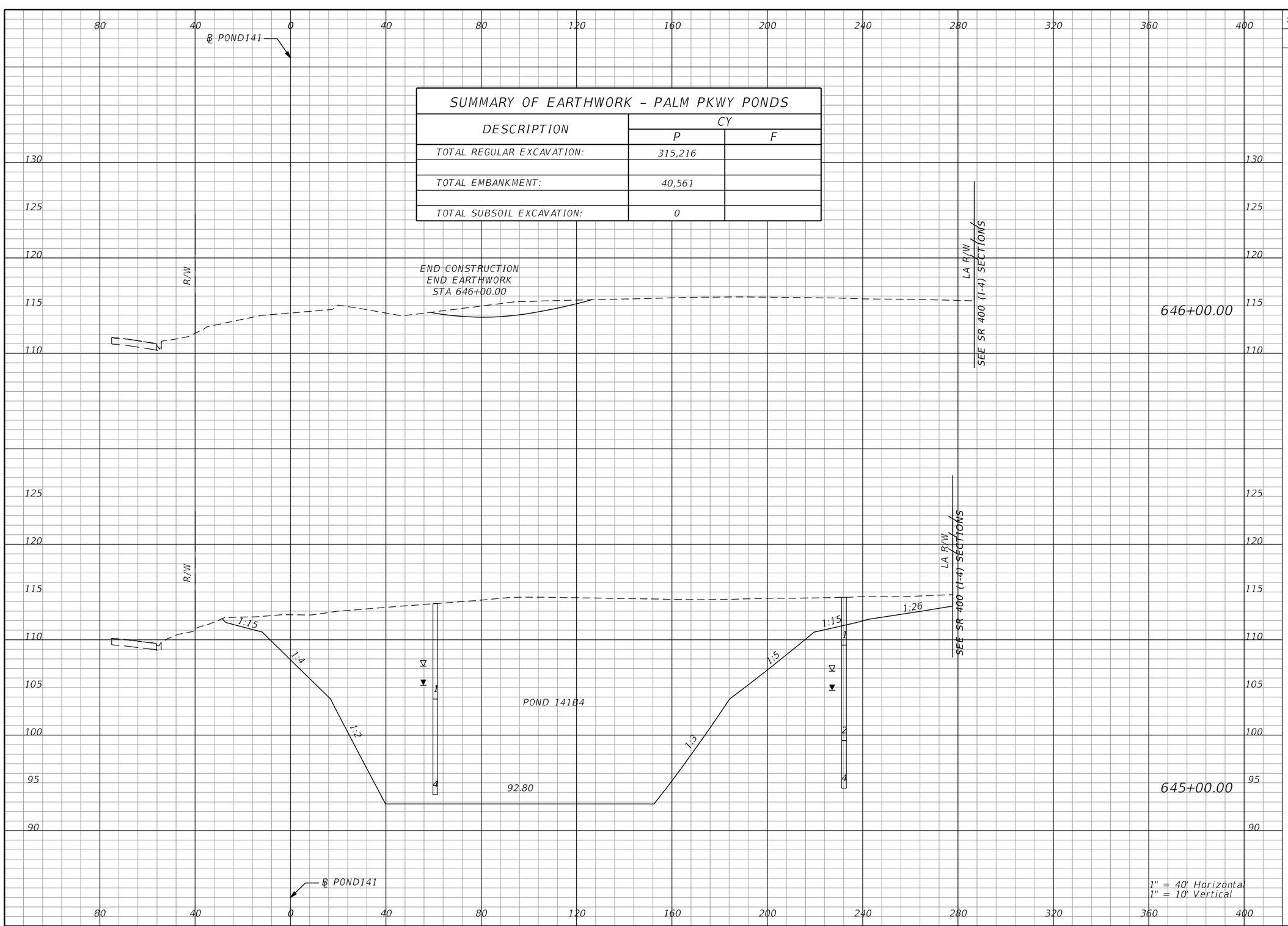
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B4 CROSS SECTIONS

SHEET NO. 521

robert.martini 8/22/2019 1:05:32 PM c:\pwworking\aecom_na\rmartini\d0166356\PDXSRD01_PALM_PARKWAY_PONDS.DGN



SUMMARY OF EARTHWORK – PALM PKWY PONDS

DESCRIPTION	CY	
	P	F
TOTAL REGULAR EXCAVATION:	315,216	
TOTAL EMBANKMENT:	40,561	
TOTAL SUBSOIL EXCAVATION:	0	

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0.0	59.2	7163.3	0.0	0.0
0.0	0.0	3809.0	13598.0	0.0	17.6

1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

PALM PKWY POND 141B4 CROSS SECTIONS

SHEET NO. 522

THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE FIRST SHEET OF THE CONSTRUCTION PLANS (CALLED THE KEY SHEET) CONTAINS AN INDEX TO THE OTHER SHEETS. THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN INCLUDES SEVERAL ITEMS: THIS NARRATIVE DESCRIPTION, THE DOCUMENTS REFERENCED IN THIS NARRATIVE, THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN REQUIRED BY SPECIFICATION SECTION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

I. SITE DESCRIPTION:

(1) NATURE OF CONSTRUCTION ACTIVITY:

(a) THE PROJECT IS LOCATED ALONG A 5.650-MILE SEGMENT OF SR 400 (I-4), WHICH EXTENDS FROM MILEPOST 2.479 TO MILEPOST 5.650. SR 400 IS CLASSIFIED AS A MAJOR ARTERIAL ROAD AND IS A HURRICANE EVACUATION ROUTE. THE PROPOSED IMPROVEMENTS TO SR 400 INCLUDE WIDENING THE EXISTING SIX (6) LANE DIVIDED URBAN HIGHWAY TO A TEN (10) LANE DIVIDED URBAN HIGHWAY.
THIS INVOLVES CONSTRUCTING ROADWAY SURFACE, UNDERGROUND STORM DRAIN SYSTEMS, OPEN DITCHES & STORMWATER MANAGEMENT FACILITIES.

(2) SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.
FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

1. INSTALLATION OF SEDIMENT BARRIERS, CLEARING AND GRUBBING, EARTHWORK, AND STORM DRAIN CONSTRUCTION FOR THE OUTFALL FROM THE PONDS.

2. CLEARING AND GRUBBING, EARTHWORK FOR POND CONSTRUCTION.

3. STORM DRAIN CONSTRUCTION. CONSTRUCT STORM DRAIN PIPES IN THE UPSTREAM DIRECTION.

4. EARTHWORK ASSOCIATED WITH THE CONSTRUCTION OF ROADWAY, GRAVITY WALL, CURB, SUBGRADE, BASE, PAVEMENT, AND SIDEWALK.

5. FINAL SOD AND LANDSCAPING.

(3) GENERAL NOTES:

(a) ALL EROSION AND SEDIMENT CONTROL DEVICES FOR EACH PHASE OF WORK ARE TO BE INSTALLED PRIOR TO BEGINNING WORK ON THAT PHASE.
(b) INSTALL EROSION AND SEDIMENT CONTROL DEVICES WHERE LISTED IN THE CONTRACTOR'S APPROVED EROSION AND SEDIMENT CONTROL PLAN FOR PERIMETER CONTROLS BEFORE THE LAND IS DISTURBED.
(c) PROVIDE SEDIMENT BARRIERS WHERE LISTED IN THE CONTRACTOR'S APPROVED EROSION AND SEDIMENT CONTROL PLAN FOR DITCH/SWALE CHECK DAMS DURING CONSTRUCTION.
(d) PROVIDE INLET PROTECTION SYSTEMS AT INLET OPENINGS.
(e) COVER OR STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE.
(f) DO NOT DISTURB AN AREA UNTIL IT IS NECESSARY FOR CONSTRUCTION TO PROCEED.
(g) TIME CONSTRUCTION ACTIVITIES TO LIMIT IMPACT FROM SEASONAL CLIMATE CHANGES OR WEATHER EVENTS.
(h) DO NOT REMOVE PERIMETER CONTROLS UNTIL ALL UPSTREAM AREAS ARE FULLY STABILIZED AND PERMANENT VEGETATION IS ESTABLISHED.

(4) PROJECT AREAS:

TOTAL SITE AREA: 196.54 ACRES.
TOTAL AREA TO BE DISTURBED: 110.54 ACRES

(5) ESTIMATED RUNOFF COEFFICIENTS, EXISTING SOIL DATA:

ESTIMATED RUNOFF COEFFICIENTS:
BEFORE CONSTRUCTION: 0.45
DURING CONSTRUCTION: VARIES FROM 0.45 TO 0.61
AFTER CONSTRUCTION: 0.61
SOILS DATA: THE RESULTS OF THE SOIL BORINGS ALONG THE ROADWAY ARE SHOWN IN THE ROADWAY SOIL SURVEY SHEET(S). THE RESULTS OF SOIL BORINGS DONE IN THE PONDS ARE SHOWN ON THE POND DETAIL SHEETS. THE NUMBERS FOR THESE ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS. IN GENERAL, THE SOILS ARE FINE SANDS.

(6) DESCRIPTION OF SOIL OR QUALITY OF DISCHARGE:

SOIL TYPE	HYDROLOGIC GROUP	DEPTH TO SHWE (FT)
ARENTS, NEARLY LEVEL	A	
ARCHBOLD FINE SAND, 0 TO 5 PERCENT SLOPES	A	5
BASINGER FINE SAND, DEPRESSIONAL, 0-1 PERCENT SLOPES	A/D	2
CANDLER FINE SAND, 0-5 PERCENT SLOPES	A	
IMMOKALEE FINE SAND	B/D	1.5
ONA FINE SAND	B/D	1.5
ONA-URBAN LAND COMPLEX	B/D	
PITS		
POMELLO FINE SAND, 0 TO 5 PERCENT SLOPES	A	5
ST. JOHNS FINE SAND	B/D	3.5
ST. LUCIE FINE SAND 0 TO 5 PERCENT SLOPES	A	
SAMSULA-HONTOON-BASINGER ASSOCIATION, DEPRESSIONAL	A/D	1
SANIBEL MUCK	A/D	2
SEFFNER FINE SAND, 0 TO 2 PERCENT SLOPES	A/D	
SMYRNA-SMYRNA, WET, FINE SAND, 0 TO 2 PERCENT SLOPES	A/D	3.5
SMYRNA-URBAN LAND COMPLEX	A/D	
TAVARES FINE SAND, 0 TO 5 PERCENT SLOPES	A	6
TAVARES-MILLHOPPER FINE SANDS, 0 TO 5 PERCENT SLOPES	A	5.5
URBAN LAND		
ZOLFO FINE SAND, 0 TO 2 PERCENT SLOPES	A	3.5
ZOLFO-URBAN LAND COMPLEX	A	
WATER		

(7) ESTIMATED DRAINAGE FLOW DIRECTION AND AVERAGE SLOPE OF DRAINAGE AREA FOR EACH OUTFALL:

(a) SITE MAP: INCLUDED WITH THE PROJECT PLAN SET.
(b) DRAINAGE MAPS OR MAPS WITH APPROPRIATE CONTOURS: INCLUDED WITH THE PROJECT PLAN SET. EXISTING DRAINAGE PATTERNS WILL BE MAINTAINED TO BEST POSSIBLE EXTENT. STORMWATER WILL BE CONVEYED BY CLOSED SYSTEMS AND OPEN DITCHES. ALL ROADWAY STORMWATER WILL BE ROUTED TO STORMWATER PONDS BEFORE DISCHARGING TO RECEIVING WATERS.

(8) RECEIVING WATERS / WETLAND AREAS:

OUTFALL ID	RECEIVING WATER	DA (AC)	LAT	LONG	OFW
BLACK LAKE (RCID)	REEDY CREEK	82.17	28°22'49" N	81°30'9" W	NO
RUBY LAKE	RUBY LAKE	0.55	28°23'41" N	81°29'23" W	NO
LAKE WILLIS	LAKE WILLIS	15.73	28°24'5" N	81°28'55" W	NO
BIG SAND LAKE 1	SANDLAKE	78.20	28°24'29"N	81°28'59"W	NO
BIG SAND LAKE 2	SANDLAKE	5.01	28°24'37"N	81°28'35"W	NO
VALENCIA WATER CONTROL DISTRIT	VWCD	14.88	28°24'33" N	81°28'31" W	NO

(9) WETLAND AND/OR SURFACE WATER IMPACTS:
ESTIMATED TOTAL WETLAND IMPACTS = *** AC.
WETLAND IMPACTS ARE DESCRIBED IN THE APPROVED PERMITS OF THE PROJECT.

REFERENCE: NRCS WEB SOIL SURVEY ORANGE COUNTY FLORIDA

(10) DESCRIPTION OF STORMWATER MANAGEMENT (EXISTING / PROPOSED):

(a) EXISTING AND PROPOSED DRAINAGE FLOWS ARE TYPICALLY CONVEYED THROUGH STORM SEWER INLETS AND PIPES, ROADSIDE DITCHES, SIDEDRAINS AND CROSSDRAINS ALONG THE PROJECT.
(b) OFF-SITE RUNOFF SHOULD BE DIVERTED AWAY OR THROUGH THE CONSTRUCTION AREA, IF POSSIBLE. THIS ADDITIONAL FLOW, IF NOT DIVERTED, CAN ADD VOLUME AND SIZE TO STRUCTURAL PRACTICES, REQUIRING MORE FREQUENT MAINTENANCE AND LIMITING EFFECTIVENESS OF EROSION AND SEDIMENT CONTROLS.
(c) THE CONTRACTOR WILL PROVIDE POLLUTION CONTROL BY IMPLEMENTING DUST CONTROL DURING ALL PHASES OF CONSTRUCTION. SEDIMENT CONTROL WILL BE ACCOMPLISHED BY USING STREET OR VACUUM SWEEPERS.
(d) STORMWATER RUNOFF SHALL BE CONVEYED TO EITHER TEMPORARY SEDIMENT BASINS, CONTAINMENT SYSTEMS AND/OR TO PERMANENT STORMWATER MANAGEMENT FACILITIES (TREATMENT AND ATTENUATION PONDS). THE PROPOSED SEDIMENT BASINS, CONTAINMENT SYSTEMS AND/OR STORMWATER MANAGEMENT FACILITIES SHALL BE CONSTRUCTED DURING THE INITIAL PHASE OF CONSTRUCTION AND USED DURING CONSTRUCTION OF THE ROADWAY. THE OUTFALL STRUCTURES ARE TO BE PLUGGED WHEN TEMPORARY SEDIMENT BASINS, CONTAINMENT SYSTEMS OR PERMANENT STORMWATER MANAGEMENT FACILITIES ARE USED FOR EROSION AND SEDIMENT CONTROL.
(e) THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO PREVENT UNAUTHORIZED MATERIALS FROM ENTERING WETLANDS, WATERWAYS, OTHER SURFACE WATERS OR WATERS OF THE U.S.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

STORMWATER POLLUTION PREVENTION PLAN

SHEET NO. 523

II. CONTROLS

SEDIMENT AND EROSION CONTROLS

(1) WATER QUALITY MONITORING:

(a) WATER QUALITY MONITORING SHALL BE CONDUCTED IN ACCORDANCE WITH THE SPECIAL CONDITIONS OF ANY ENVIRONMENTAL PERMIT OR BY THE CONTRACTOR UPON THE OBSERVATION THAT WATER QUALITY STANDARDS MAY BE VIOLATED BY THE CONTRACTOR'S ACTIVITIES. MONITORING LOCATIONS MAY BE SPECIFIED IN THE ENVIRONMENTAL PERMIT OR MAY BE DESIGNATED BY THE CONTRACTOR AND APPROVED BY THE PROJECT ADMINISTRATOR.

(b) THE PROJECT ADMINISTRATOR WILL BE RESPONSIBLE FOR MONITORING ANY ACTIVITIES FOR VIOLATION OF WATER QUALITY STANDARDS AS THEY RELATE TO TURBIDITY (NO GREATER THAN 29 NEPHELOMETRIC TURBIDITY UNITS (NTU) ABOVE BACKGROUND OR GREATER THAN 0 NTU ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OFW'S).

(c) IF WATER QUALITY STANDARDS ARE VIOLATED, CONSTRUCTION SHALL BE STOPPED IMMEDIATELY, THE ENVIRONMENTAL PERMIT CONDITIONS FOLLOWED AND EROSION AND SEDIMENT CONTROL DEVICES REEVALUATED AND APPROVED BY THE ENGINEER PRIOR TO ANY CONTINUATION OF ACTIVITY. MONITORING ACTIVITIES AND TURBIDITY READINGS SHALL BE RECORDED ON THE CONSTRUCTION INSPECTION REPORT AND CONTINUED UNTIL TURBIDITY READINGS FALL BELOW AN ACCEPTABLE LEVEL (LESS THAN 29 NTU ABOVE BACKGROUND OR LESS THAN 0 NTU ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OFW'S).

(d) WATER QUALITY MONITORING MAY BE CONDUCTED DURING ANY PHASE OF CONSTRUCTION AS DIRECTED BY THE PROJECT ENGINEER.

(2) STABILIZATION PRACTICES:

(a) STABILIZATION MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO MAINTAINING, ESTABLISHING AND USING VEGETATION, APPLYING MULCHES, SODDING, SEEDING, BEST MANAGEMENT PRACTICES (BMP) AND THE USE OF ROLLED EROSION CONTROL PRODUCTS. WHEN CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, SIDE SLOPES SHALL BE STABILIZED WITH PERFORMANCE SODDING OR SEEDING OR ANY OTHER APPROVED METHOD OF STABILIZATION INCLUDED IN THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEW MANUAL (E&SC MANUAL).

(b) STABILIZATION SHALL TAKE PLACE AS SOON AS PRACTICAL IN PORTIONS OF THE PROJECT WHERE CONSTRUCTION ACTIVITIES HAVE CEASED, BUT NO LATER THAN 7 DAYS AFTER ANY CONSTRUCTION ACTIVITY CEASES EITHER TEMPORARILY OR PERMANENTLY.

(c) ALL EROSION CONTROL DEVICES SHALL BE INSTALLED ACCORDING TO THE CONTRACT DOCUMENTS AND THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN.

(d) ANY TEMPORARY MATERIAL USED FOR POLLUTION OR EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT AND FINAL STABILIZATION OF THE PROJECT HAS BEEN ACHIEVED.

(e) SEDIMENT BARRIERS SHOULD BE USED ALONG THE LENGTH OF THE PROJECT WHERE THE GROUND SLOPES AWAY FROM THE RIGHT OF WAY OR WHERE THERE IS POTENTIAL FOR SEDIMENT TO BE DIRECTED OFF-SITE. PARTICULAR CARE SHOULD BE USED WHEN THERE IS POTENTIAL FOR SEDIMENT TO BE DIRECTED OFF-SITE. PARTICULAR CARE SHOULD BE USED WHEN THERE ARE WETLANDS OR WATERS OF THE U.S. ARE INVOLVED. SEDIMENT BARRIERS SHOULD BE USED AROUND THE PERIMETER OF STOCKPILE AREAS.

(f) SPACING OF SEDIMENT BARRIERS USED AS DITCH OR SWALE CHECKS/DAMS SHOULD BE BASED UPON THE HEIGHT OF THE BARRIER AND THE SLOPE OF THE DITCH OR SWALE.

(g) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING SOIL TRACKING PREVENTION SYSTEMS OR PROCEDURES AS NEEDED.

(3) STRUCTURAL PRACTICES FOR EROSION AND SEDIMENT CONTROL

(a) ROLLED EROSION CONTROL PRODUCTS (ARTIFICIAL COVERINGS)

PURPOSE: TO PROTECT DISTURBED SLOPE SURFACES AGAINST EROSION DUE TO RAINFALL OR FLOWING WATER.

(1) USED FOR PAUSES IN CONSTRUCTION DUE TO INCLEMENT WEATHER OR OTHER CIRCUMSTANCES.

(2) USED FOR EROSION CONTROL THAT FACILITATES PLANT GROWTH WHILE PERMANENT GRASS IS ESTABLISHED. COULD INCLUDE BIODEGRADABLE EROSION CONTROL BLANKETS INSTALLED ON A SEEDED AREA, ON FILL SLOPES OR DITCHES.

(3) USED TO STABILIZE DRAINAGE CHANNELS. CONSULT E&SC MANUAL TO DETERMINE CORRECT PRODUCT TYPE FOR CHANNEL STABILIZATION.

(b) RUNOFF CONTROL STRUCTURE (TEMPORARY SLOPE DRAIN)

PURPOSE: TO PROTECT HILLSIDE SURFACES AGAINST EROSION DUE TO CONCENTRATED FLOW OF RUNOFF WATER.

(1) USED ON FILL SLOPES AND CUT SLOPES TO REDUCE SEDIMENT TRANSPORT AND COULD INCLUDE TEMPORARY SLOPE DRAINS, GRASS-LINED CHANNELS, ROCK-LINED CHANNELS AND CHECK DAMS.

(2) RUNOFF CONTROL STRUCTURES TYPICALLY DISCHARGE TO A SEDIMENT BASIN.

(c) SEDIMENT BASIN (CONTAINMENT SYSTEM)

PURPOSE: A CONTAINMENT SYSTEM IS DESIGNED TO DETAIN AN ADEQUATE VOLUME OF RUNOFF, REDUCE THE VELOCITY OF FLOW THROUGH THE SYSTEM, ALLOW FOR SETTLEMENT OF SUSPENDED SOLIDS AND REGULATE THE DISCHARGE RATE FROM THE SEDIMENT BASIN.

(1) SEDIMENT BASINS MUST BE PLACED IN STRATEGIC LOCATIONS WITHIN THE ACTIVE AREAS OF CONSTRUCTION. CONTRIBUTING AREA AND SIZE OF TARGET SOIL PARTICLE WILL DICTATE WHETHER THE SEDIMENT BASIN WILL BE TYPE 1, TYPE 2 OR TYPE 3 SYSTEM.

(2) THE USE OF SMALLER PRE-SEDIMENTATION BASINS USED IN CONJUNCTION WITH LARGER PERMANENT RETENTION/DETENTION PONDS ARE EFFECTIVE IN CAPTURING LARGER VOLUMES OF SEDIMENTS. THIS TECHNIQUE REQUIRES PERIODICALLY SCHEDULED REMOVAL OF THE ACCUMULATED SEDIMENTS.

(d) SEDIMENT BARRIERS (TEMPORARY CONSTRUCTION SITE BMP)

PURPOSE: SEDIMENT BARRIERS EITHER OBSTRUCT FLOW OR PREVENT THE PASSAGE OF WATER WHILE CONSTRUCTION ACTIVITIES OCCUR. SMALLER SEDIMENT BARRIERS MAY FUNCTION AS A SMALL SEDIMENT CONTAINMENT SYSTEM OR AS A METHOD TO REDUCE FLOW VELOCITY.

(1) THESE CONSTRUCTION BMP'S CAN INCLUDE SYNTHETIC BALES, STAKED SILT FENCE, TURBIDITY BARRIER, STORM SEWER INLET BARRIERS, ROCK BARRIERS, GEOSYNTHETIC BARRIERS, ETC.

(2) APPROPRIATE LOCATIONS INCLUDE SITE PERIMETER, BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION, BELOW THE TOE OF EXPOSED AND ERODIBLE SLOPES, ALONG THE TOE OF STREAM AND CHANNEL BANKS, AROUND DRAINS AND INLETS LOCATED IN LOW POINTS OR THE DOWNSTREAM EDGE OF AREAS UNDERGOING VERTICAL OR BOX CULVERT CONSTRUCTION ACTIVITIES.

(3) INAPPROPRIATE LOCATIONS FOR THESE SAME MEASURES INCLUDE PARALLEL TO A HILLSIDE CONTOUR, IN CHANNELS WITH CONCENTRATED FLOW (UNLESS PROPERLY REINFORCED), UPSTREAM OR DOWNSTREAM OF CULVERTS WITH CONCENTRATED FLOW, IN FRONT OF OR AROUND INLETS ON A GRADE WITH CONCENTRATED FLOW OR IN FLOWING STREAMS.

(e) FLOATING TURBIDITY BARRIER

PURPOSE: USED IN PERMANENT BODIES OF WATER TO RETAIN SEDIMENT AND FLOATING DEBRIS FROM A CONSTRUCTION AREA SO THAT REMOVAL OR CONTAINMENT OF THE MATERIAL IS POSSIBLE. THEY ARE ALSO USED TO CONTROL MIGRATION OF SUSPENDED SEDIMENTS.

(1) TYPE I, LIGHT DUTY, IS USED WHERE THERE IS LITTLE OR NO CURRENT, NO WIND AND NO WAVE ACTION.

(2) TYPE II, MODERATE DUTY IS USED WITH SOME CURRENT (<3.5 FT. PER SECOND) AND SOME EXPOSURE TO WIND.

(3) TYPE III, HEAVY DUTY, IS USED WITH GREATER CURRENT (3.5-5.0 FT. PER SECOND), MODERATE WIND AND WAVE ACTION.

(4) BARRIER MUST BE ATTACHED AT BOTH ENDS AND WEIGHTED ON THE BOTTOM.

(5) MULTIPLE LINES OF BARRIER MAY BE USED IN SOME CIRCUMSTANCES FOR ADDITIONAL PROTECTION.

(6) STANDARD PANELS FOR WATER DEPTHS ARE 5.0'. ADDITIONAL PANELS CAN BE USED FOR WATER DEPTHS > 5.0'.

(f) STAKED TURBIDITY BARRIER

PURPOSE: THIS ITEM IS COMMONLY USED IN AREAS WHERE CONTINUOUS CONSTRUCTION ACTIVITIES CHANGE THE NATURAL CONTOURS AND DRAINAGE RUNOFF PATTERNS.

(1) COMMONLY USED IN LAKES AND STREAMS AS A SEDIMENT CONTAINMENT SYSTEM. SHOULD NOT BE USED WHERE WATER CURRENTS MOVE THE CURTAIN AND DISLODGE COLLECTED SEDIMENTS.

(2) MAXIMUM DEPTH OF PANEL IS 3'-8".

(3) POST MUST BE A MINIMUM LENGTH OF 5.0' AND A MINIMUM OF 10" OF FABRIC MUST BE IMBEDDED IN THE GROUND.

(g) INLET PROTECTION SYSTEM

PURPOSE: ANY OF A NUMBER OF SEDIMENT BARRIERS THAT EITHER PREVENT SEDIMENT FROM ENTERING AN INLET OR TRAP THE SEDIMENTS ONCE THEY ENTER THE INLET.

(1) TYPICAL APPLICATIONS INCLUDE ROCK BARRIERS, FRAME AND FILTER BARRIERS, CURB INLET "SUMP" BARRIER, CURB INLET DIVERSION BERM, CURB AND GUTTER SEDIMENT CONTAINMENT SYSTEM OR CURB INLET SUMP.

(2) SHOULD BE INSTALLED ONLY WHEN CONSTRUCTION ACTIVITIES ARE ON-GOING AND ONLY WHERE SUMP CONDITIONS EXIST.

(3) SHOULD NOT BE USED WHEN CONSTRUCTION IS COMPLETE AND SHOULD NOT BE USED IN AREAS WHERE FLOODING COULD ENCROACH INTO THE TRAVEL LANES.

(h) SOIL TRACKING PREVENTION DEVICE

PURPOSE: TEMPORARY STRUCTURES TO ASSIST WITH THE REMOVAL OF SOIL MATERIAL CAPTURED ON VEHICLE TIRES BEFORE THE VEHICLES ENTER THE ROADWAY.

(1) USE ONE DEVICE PER MILE WITH A MINIMUM OF TWO PER PROJECT.

(2) USE ADDITIONAL DEVICES FOR CONSTRUCTION AREAS THAT ARE NOT ADJACENT TO THE ROAD RIGHT OF WAY AND NO ACCESS IS PROVIDED THROUGH A SOIL TRACKING PREVENTION DEVICE.

(4) CHEMICAL TREATMENTS FOR EROSION AND SEDIMENT CONTROL

(a) CHEMICAL TREATMENT - POLYACRYLAMIDES (PAM AND PAM BLENDS)

PURPOSE: REDUCE SOIL EROSION THROUGH SOIL BINDING, USED AS A WATER TREATMENT ADDITIVE TO REMOVE SUSPENDED SOLIDS FROM RUNOFF, PROVIDES APPROPRIATE MEDIUM FOR GROWTH OF VEGETATION FOR STABILIZATION AND INCREASES INFILTRATION BY INCREASING SIZE OF SOIL PARTICLE.

(1) CAN BE USED ON DISTURBED SOILS. CAN BE USED IN CONJUNCTION WITH OTHER BMP'S TO ENHANCE PERFORMANCE. CAN BE APPLIED IN DISSOLVED FORM WITH WATER, CAN BE USED AS A DRY POWDER, CAN BE USED IN GRANULAR FORM OR MAY BE USED IN THE FORM OF FLOC LOGS.

(2) HIGHER CONCENTRATION OF PAM DOES NOT INCREASE THE EFFECTIVENESS OF THE PRODUCT.

(3) ACTIVELY WORKED AREAS WILL REQUIRE REAPPLICATION TO REMAIN EFFECTIVE.

(4) PAM SHOULD NOT BE USED WHERE THERE IS A POTENTIAL FOR EQUIPMENT CLOGGING OR TOXICITY IS A CONCERN.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

STORMWATER POLLUTION PREVENTION PLAN

SHEET NO. 524

(b) CHEMICAL TREATMENT – ALUM

PURPOSE: REMOVE SUSPENDED SOLIDS AND POLLUTANTS BY ENMESHMENT AND ABSORPTION INTO ALUM. COLLECT FLOCS OF SUSPENDED SEDIMENTS IN RUNOFF AND STORE THEM IN SEDIMENT BASINS OR STORMWATER MANAGEMENT FACILITIES.

(1) ALUM IS INJECTED INTO THE FLOW STREAM CONTAINING TURBID WATER. INJECTION IS CONTROLLED BY VARIABLE SPEED CHEMICAL PUMP TO FEED ALUM AT MULTIPLE TREATMENT POINTS. ALUM TREATMENT IS EFFECTIVE IN TREATMENT OF RUNOFF THAT CONTAINS LIMEROCK FROM UNPAVED SURFACES.
(2) ALUM TREATMENT REQUIRES CLOSE MONITORING OF DOSAGE. COMBINATION WITH OTHER COMPOUNDS MAY VIOLATE TOXICITY REQUIREMENTS AND THE USE OF ALUM MAY LOWER Ph LEVELS.

(5) DEWATERING OPERATION (OPTIONAL – BASED ON PROJECT APPLICABILITY)

DESCRIPTION: DEWATERING OPERATIONS ARE PRACTICES THAT MANAGE THE DISCHARGE OF TURBID WATER WHEN WATERS OTHER THAN STORMWATER AND ACCUMULATED SURFACE WATERS MUST BE REMOVED FROM A LOCATION SO THAT CONSTRUCTION WORK MAY BE ACCOMPLISHED. THESE WATERS CAN INCLUDE GROUNDWATER, WATER FROM COFFERDAMS, WATER DIVERSIONS AND WATER USED DURING CONSTRUCTION THAT MUST BE REMOVED FROM A WORK AREA.

(a) ENVIRONMENTAL AGENCIES ARE ESPECIALLY CONCERNED WITH THE PROTECTION OF WETLANDS FROM DRAWDOWN EFFECTS, PROTECTING RECEIVING BODIES FROM SEDIMENTATION AND POSSIBLE CAPACITY LIMITATIONS.
(b) THREE PRIMARY METHODS OF DEWATERING COMMONLY USED IN FLORIDA ARE RIM–DITCHING, SOCK/PIPE/HORIZONTAL WELLS AND WELL–POINT SYSTEMS.
(c) METHODS FOR CONTAINING SEDIMENTATION CAN INCLUDE A COMBINATION OF BMP'S AND SEDIMENT TRAPS, SEDIMENT BASINS, GRAVITY BAG FILTERS, WEIR TANKS, DEWATERING TANKS, SAND MEDIA/PRESSURIZED BAGS AND CHEMICAL TREATMENTS.

III. OTHER CONTROLS:

(1) WASTE DISPOSAL

(a) THE CONTRACTOR WILL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES.
(b) ALL FERTILIZER AND CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.
(c) NO SOLID MATERIALS, INCLUDING BUILDING AND CONSTRUCTION MATERIALS, SHALL BE DISCHARGED TO WETLANDS OR BURIED ON SITE.
(d) ALL SANITARY WASTE WILL BE COLLECTED FROM PORTABLE UNITS BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY STATE REGULATIONS.

(2) OFF–SITE VEHICLE TRACKING – WILL BE CONTROLLED BY THE FOLLOWING METHODS:

(a) LOADED HAUL TRUCKS ARE TO BE COVERED BY A TARPAULIN AT ALL TIMES.
(b) EXCESS DIRT ON ROAD WILL BE REMOVED DAILY.

(3) STATE AND FEDERAL REGULATIONS: PERMITS WILL BE REQUIRED FROM THE FOLLOWING AGENCIES:

SFWMD ERP, NPDES, U.S.ACOE

(4) NON–STORMWATER (INCLUDING SPILL REPORTING)

THE CONTRACTOR WILL PROVIDE THE FDOT WITH AN EROSION AND SEDIMENT CONTROL PLAN THAT WILL INCLUDE SPILL CONTAINMENT, REPORTING, AND RESPONSES. THE PLAN SHALL SPECIFY WHAT MANAGEMENT PRACTICES AND CONTAINMENT METHODS WILL BE USED TO PREVENT POTENTIAL POLLUTANTS (FUEL, LUBRICANTS, HERBICIDES, ETC.) FROM SPILLING ONTO THE SOIL OR INTO THE SURFACE WATERS. IF A SPILL DOES OCCUR, OR IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT THE DISTRICT CONTAMINATION IMPACT COORDINATOR, RANDY STAFFORD, AT (386) 943–5395.

IV. MAINTENANCE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REPAIRS OF ALL EROSION AND SEDIMENT CONTROL DEVICES AND REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES WHEN NOTICE OF TERMINATION IS MAILED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL OF SEDIMENT BUILDUP THROUGH THE LIFE OF THE INSTALLED EROSION AND SEDIMENT CONTROL DEVICES.

(1) ALL CONTROL MEASURES WILL BE MAINTAINED DAILY BY THE CONTRACTOR AND ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED IMMEDIATELY.
(2) SODDING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
(3) SYNTHETIC BALES SHALL BE MAINTAINED TO ENSURE THEIR USEFULNESS AND NOT BLOCK OR IMPEDE STORMWATER FLOW OR DRAINAGE.
(4) STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE.

V. INSPECTION

(1) THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD DAILY RAINFALL IN ACCORDANCE WITH THE NPDES PERMIT.
(2) ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED AT LEAST EVERY 7 CALENDAR DAYS BY CONTRACTOR'S PERSONNEL WHO ARE FDEP CERTIFIED STORMWATER MANAGEMENT INSPECTORS.
(3) THE CONTRACTOR SHALL COMPLETE ALL SWPPP INSPECTION REPORT FORMS REQUIRED FOR THE NPDES PERMIT.
(4) ALL EROSION AND CONTROL DEVICES WILL BE INSPECTED WITHIN 24 HOURS OF A RAINFALL EVENT THAT IS 0.5 INCHES OR GREATER.

VI. TRACKING AND REPORTING:

(1) THE CONTRACTOR SHALL SUBMIT A WEEKLY REPORT TO THE DEPARTMENT DOCUMENTING THE DAILY INSPECTIONS AND MAINTENANCE OR REPAIRS TO THE EROSION AND SEDIMENT CONTROL DEVICES. THE CONTRACTOR SHALL MAINTAIN ALL REQUIRED REPORTS AND COMPLETE ALL SWPPP INSPECTION FORMS.
(2) PREPARATION OF ALL THE CONTRACTOR'S REPORTS OF INSPECTION, MAINTENANCE AND REPAIRS REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE INDIVIDUAL COSTS OF THE EROSION AND SEDIMENT CONTROL DEVICES OR LUMP SUM COST OF THE PROJECT.
(3) THE CONTRACTOR SHALL USE THE SWPPP CONSTRUCTION INSPECTION REPORT FORM # 650-040-03 FOR DAILY INPSECTIONS.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Tuy Duong, P.E.
P.E. License No. 66461
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

STORMWATER POLLUTION PREVENTION PLAN

SHEET NO. 525

TEMPORARY TRAFFIC CONTROL GENERAL NOTES

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH FDOT DESIGN STANDARDS INDEX 600 SERIES, THE FDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, THE FHWA "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND AS SHOWN IN THE PLANS.

2. LANES SHALL BE PROPERLY DELINEATED DURING ALL PHASES OF CONSTRUCTION.

3. TEMPORARY LANE CLOSURES WILL NOT BE PERMITTED DURING THE FOLLOWING PEAK HOURS:

ROAD	SINGLE LANE CLOSURE	DUAL LANE CLOSURE
EB SR 400 (I-4)	7:30 AM TO 8:00 PM	6:30 AM TO 11:30 PM
WB SR 400 (I-4)	7:30 AM TO 10:30 PM	6:30 AM TO 11:30 PM
EB DARYL CARTER PKWY	6:00 AM TO 9:00 AM 4:00 PM TO 7:00 PM	N/A
WB DARYL CARTER PKWY	6:00 AM TO 9:00 AM 4:00 PM TO 7:00 PM	N/A

   COMPLETE AND SUBMIT THE ANTICIPATED LANE CLOSURE FORM TO THE ENGINEER 14 DAYS PRIOR TO PROPOSED LANE CLOSURES. ALLOWABLE LANE CLOSURE TIMES SHALL INCLUDE THE TIME FOR LANCE CLOSURE SET UPS AND REMOVAL TIME.

4. PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT FOR THE DURATION OF CONSTRUCTION, IN A LOCATION APPROVED BY THE ENGINEER.

   THE DISPLAYS ARE AS FOLLOWS:

   I-4:
   DISPLAY 1 – ROAD WORK AHEAD
   DISPLAY 2 – MM/DD TO MM/DD

   DARYL CARTER PARKWAY:
   DISPLAY 1 – ROAD WORK AHEAD
   DISPLAY 2 – MM/DD TO MM/DD

5. PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE USED DURING LANE CLOSURES. THE PCMS SHALL BE PLACED APPROXIMATELY 1/2 MILE IN ADVANCE OF THE FIRST WORK ZONE SIGNS, IN A LOCATION APPROVED BY THE ENGINEER.

   THE DISPLAYS ARE AS FOLLOWS:

   I-4:
   DISPLAY 1 – LANE CLOSED AHEAD
   DISPLAY 2 – MERGE LT/RT

   DARYL CARTER PARKWAY:
   DISPLAY 1 – LANE CLOSED AHEAD
   DISPLAY 2 – MERGE LT/RT

6. HEAVY TRAFFIC CONDITIONS, ACCIDENTS, AND ANY OTHER UNFORESEEN EMERGENCY MAY REQUIRE REMOVAL OR RESTRICTION OF ANY LANE CLOSURE. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS WITHOUT DELAY AT THE DIRECTION OF THE ENGINEER.

7. A UNIFORMED OFF-DUTY LAW ENFORCEMENT OFFICER WITH MARKED VEHICLE SHALL BE PROVIDED DURING THE SETUP AND REMOVAL OF ALL LANE CLOSURE OPERATIONS.

8. ORANGE COUNTY APPROVED TTCP PLANS ARE REQUIRED FOR ANY CONSTRUCTION OR WORK WITHIN ORANGE COUNTY RIGHT-OF-WAY, EASEMENTS OR PROPERTY, INCLUDING BUT NOT LIMITED TO, THE INSTALLATION OR MAINTENANCE OF ANY PUBLIC OR PRIVATE UTILITY, STRUCTURE, DRIVEWAY, CULVERT, PAVEMENT, ETC.

9. INSTALL TRAFFIC CONTROL DEVICES AND SIGNING PRIOR TO COMMENCEMENT OF THE APPLICABLE PHASE OF CONSTRUCTION OPERATION.

10. MAINTAIN EXISTING REGULATORY SIGNS AND PAVEMENT MARKINGS AT ALL TIMES WHERE APPLICABLE. CONFLICTING REGULATORY SIGNS ARE TO BE REMOVED OR COVERED. CONFLICTING PAVEMENT MARKINGS ARE TO BE REMOVED AND REPLACED.

11. RESTRICT THE HOURS OF CONSTRUCTION ACTIVITIES CREATING LOUD NOISES (I.E. PILE DRIVING, ETC.) TO BETWEEN 8:00 AM AND 9:00 PM OR AS DIRECTED BY THE ENGINEER.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP GENERAL NOTES

SHEET NO. 526

PHASE 1

PHASE 1-STAGE 1
SR 400 (I-4)
- SHIFT WB I-4 TRAFFIC TOWARD THE MEDIAN.
- SHIFT RAMP IA_CFP TRAFFIC TO THE OUTSIDE.
- CONSTRUCT PONDS C (ONLY PORTION AS SHOWN), 140B3 (EXCEPT THE PORTION OF THE MAINTENANCE BERM ADJACENT TO THE RETAINING WALL ALONG RAMP D_DCP), 141B1, 141B2, 141B3,141B4, FPC 141, 142B AND ASSOCIATED OUTFALL STRUCTURES/ PIPE.
- UTILIZE PHASE 1- STAGES A, B, & C TO INSTALL POND 142B OUTFALL STRUCTURES/ PIPE ACROSS PALM PKWY AND IN ITS MEDIAN.
- CONSTRUCT CROSS DRAIN AT STA 676+60.
- CONSTRUCT DIVERSIONS 1 AND 2 AND ASSOCIATED TEMPORARY DRAINAGE STRUCTURES.
- CONTRACTOR TO REESTABLISH EXISTING DRAINAGE PATTERNS TO AVOID TRAPPING WATER ALONG WB I-4 AS IT IS AN EXISTING POND OUTFALL (WEST OF BL SURVEY SR 400 (I-4) 655+00).

DARYL CARTER PKWY (DCP)
- SHIFT EB AND WB DCP TRAFFIC TOWARDS THE OUTSIDE.
- REMOVE EXISTING TRAFFIC SEPARATOR AND CONNECT BRIDGE DECKS.
- CONSTRUCT MEDIAN BARRIERS/SIDEWALK.
- CONSTRUCT APPROACH MEDIANS.
- UTILIZE LANE CLOSURES FOR ALL BRIDGE WORK OVER I-4 TRAVEL LANES.

PHASE 1-STAGE 2
SR 400 (I-4)
- OPEN DIVERSION 2.
- CONSTRUCT RAMP D_DCP FROM DCP TIE-IN TO END.
- CONSTRUCT IWBCD2 FROM RAMP D_DCP GORE TO END.
- CONSTRUCT RAMP ISLIP1 AND ASSOCIATED AUXILIARY LANE.
- CONSTRUCT ISLIP2 FROM IWBCD2 GORE TO STA 208+65.
- CONSTRUCT WB I-4 OUTSIDE SHOULDER FROM THE ISLIP1 GORE TO STA 664+84.
- CONSTRUCT PONDS 140B1, 140B2, AND THE REMAINDER OF POND 140B3.

DARYL CARTER PARKWAY (DCP)
- SHIFT WB DCP TRAFFIC TOWARDS THE MEDIAN.
- EB DCP TRAFFIC TO REMAIN AS IN PHASE 1-STAGE 1.
- CLOSE EXISTING SIDEWALK ON NORTH SIDE OF DCP BETWEEN REGENCY VILLAGE DRIVE AND PALM PARKWAY.
- DETOUR PEDESTRIAN TRAFFIC TO EXISTING SIDEWALK ON SOUTH SIDE OF DCP BETWEEN REGENCY VILLAGE DR. AND PALM PKWY.
- REMOVE EXISTING WB BRIDGE SIDEWALK/RAILING (NORTH SIDE).
- CONSTRUCT PROPOSED EB DCP SHOULDER AND BRIDGE RAILING (NORTH SIDE).
- WIDEN NORTH SIDE OF WB DCP.
- CONSTRUCT MAST ARMS AT THE DCP/RAMP D_DCP INTERSECTION.
- UTILIZE LANE CLOSURES FOR ALL BRIDGE WORK OVER I-4 TRAVEL LANES.

PHASE 1-STAGE 3
- REMOVE EXISTING TRAFFIC SEPARATOR ON CENTRAL FLORIDA PARKWAY (CFP) AND INSTALL SIGNAGE, TEMPORARY SIGNALS, AND TEMPORARY PAVEMENT MESSAGES TO DIVERT WB CFP TRAFFIC FROM THE EXISTING FLYOVER TO DIVERSION 1.
- CONSTRUCT RAMPS IA_CFP AND IC_CFP.
- REMOVE DIVERSION 2 AND TEMPORARY DRAINAGE STRUCTURES.
- EB AND WB DCP TRAFFIC TO REMAIN AS IN PHASE 1-STAGE 2.

PHASE 1-STAGE 4
- REPLACE TRAFFIC SEPARATOR ON CFP.
- REOPEN THE EXISTING FLYOVER AND REROUTE TRAFFIC ONTO RAMPS IA_CFP AND IC_CFP.
- CONSTRUCT THE WB I-4 OUTSIDE SHOULDER FROM STA 664+84 TO STA 682+00.
- CONSTRUCT THE REMAINDER OF ISLIP2 AND ASSOCIATED AUXILIARY LANE.
- REMOVE DIVERSION 1 AND TEMPORARY DRAINAGE STRUCTURES.
- EB AND WB DCP TRAFFIC TO REMAIN AS IN PHASE 1- STAGE 2.

PHASE 2

PHASE 2-STAGE 1
SR 400 (I-4)
- SHIFT EB I-4 TRAFFIC TOWARD THE MEDIAN.
- CONSTRUCT REMAINDER OF POND C.
- CONSTRUCT RAMPS IB_DCP AND IC_DCP AND ASSOCIATED AUXILIARY LANES.
- CONSTRUCT AUXILIARY LANE ON EB I-4 BETWEEN SR 535 AND THE RAMP IC1_535/EB I-4 GORE.
- CONSTRUCT AUXILIARY LANE ON EB I-4 FOR RAMPS IC1_535 AND IB_CFP.

DARYL CARTER PKWY (DCP)
- SHIFT EB DCP TRAFFIC TOWARDS THE MEDIAN.
- WB DCP TRAFFIC TO REMAIN AS IN PHASE 1-STAGE 2.
- CLOSE EXISTING SIDEWALK ON SOUTH SIDE OF DCP BETWEEN REGENCY VILLAGE DR. AND PALM PARKWAY.
- DETOUR PEDESTRIAN TRAFFIC TO EXISTING SIDEWALK ON NORTH SIDE OF DCP AND THE EXISTING OUTSIDE WB LANE BETWEEN REGENCY VILLAGE DR. AND PALM PKWY.
- REMOVE EXISTING EB BRIDGE SIDEWALK/RAILING (SOUTH SIDE).
- CONSTRUCT PROPOSED WB DCP SHOULDER AND BRIDGE RAILING (SOUTH SIDE).
- CONSTRUCT MAST ARMS AT THE DCP/RAMP IB_DCP INTERSECTION.
- UTILIZE LANE CLOSURES FOR ALL BRIDGE WORK OVER I-4 TRAVEL LANES.

PHASE 2-STAGE 2
- REVISE PEDESTRIAN DETOUR ON NORTH SIDE OF DCP.
- SHIFT EB AND WB DCP TRAFFIC TO FINAL CONFIGURATION UTILIZING SIGNALIZATION.
- CONSTRUCT MEDIAN ISLAND AND SIDEWALK FROM STA 108+00 TO STA 109+60 (RT).
- CONSTRUCT THE REMAINDER OF THE MEDIAN ISLAND AND SIDEWALK AT THE DCP/RAMP IB_DCP INTERSECTION.

PHASE 2-STAGE 3
- EB AND WB DCP TRAFFIC TO REMAIN AS IN PHASE 2-STAGE 2.
- DETOUR PEDESTRIAN TRAFFIC UTILIZING THE EXISTING SIDEWALK ON SOUTH SIDE OF DCP, MEDIAN ISLAND SIDEWALKS, MEDIAN SIDEWALK, AND TEMPORARY CROSSWALKS.
- CONSTRUCT REMAINDER OF THE MEDIAN ISLAND AND SIDEWALK AT THE DCP/RAMP D_DCP AND DCP/RAMP IC_DCP INTERSECTIONS.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

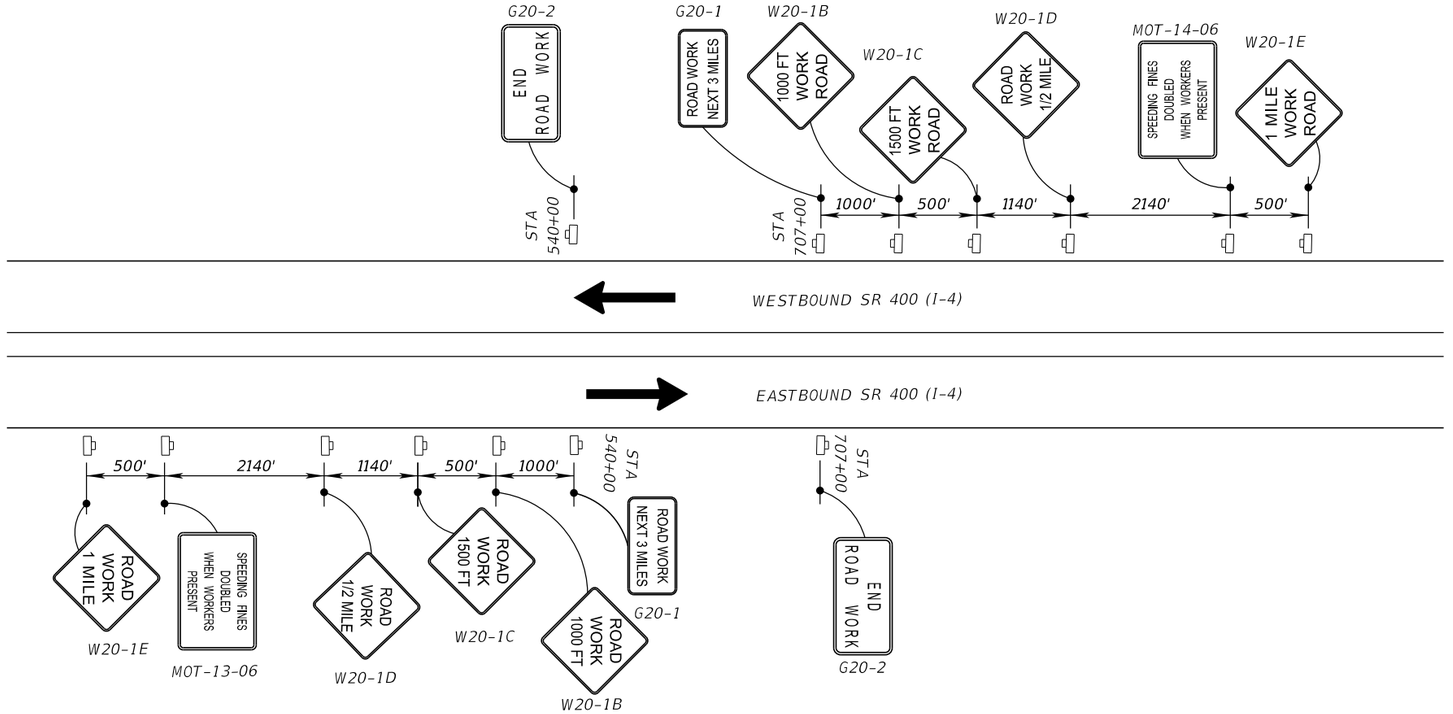
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

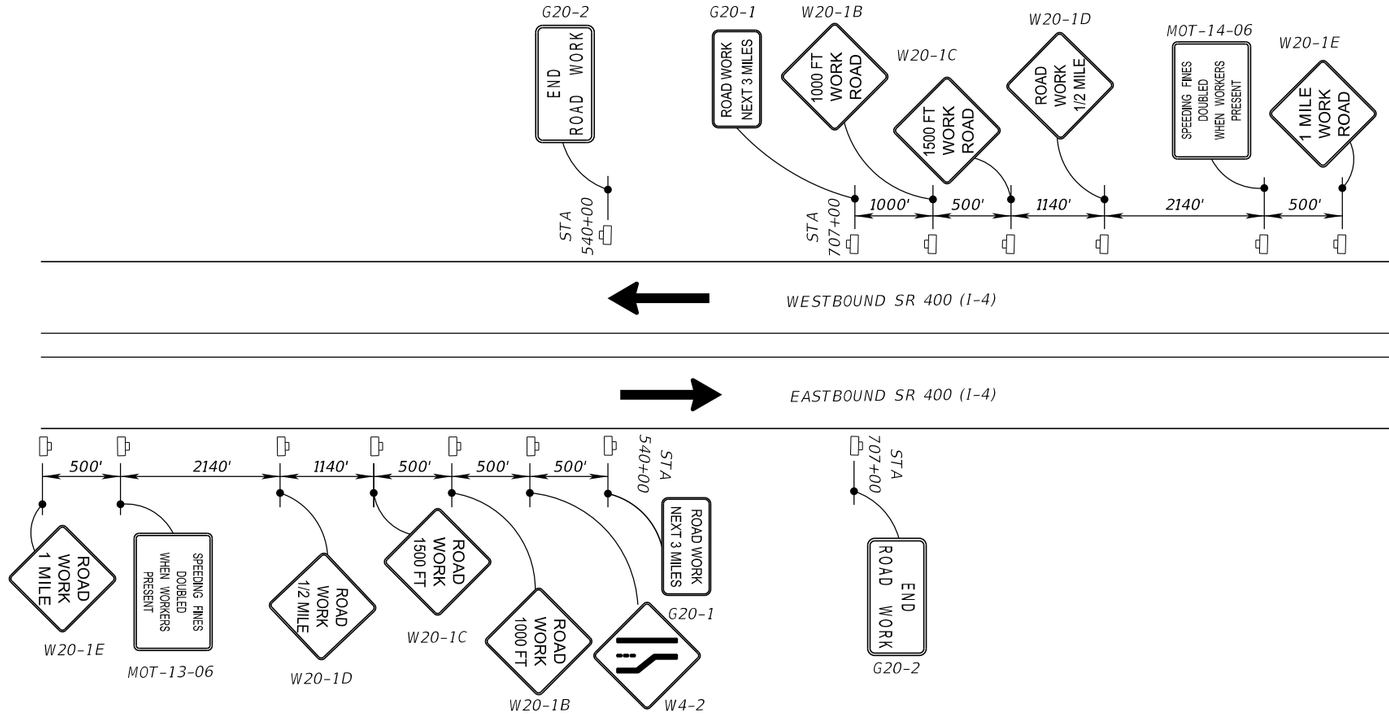
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP PHASE NOTES

SHEET NO. 527



ADVANCED WARNING SIGN DETAIL FOR PHASE 1 - STAGES 1 THRU 4



ADVANCED WARNING SIGN DETAIL FOR PHASE 2 - STAGE 1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

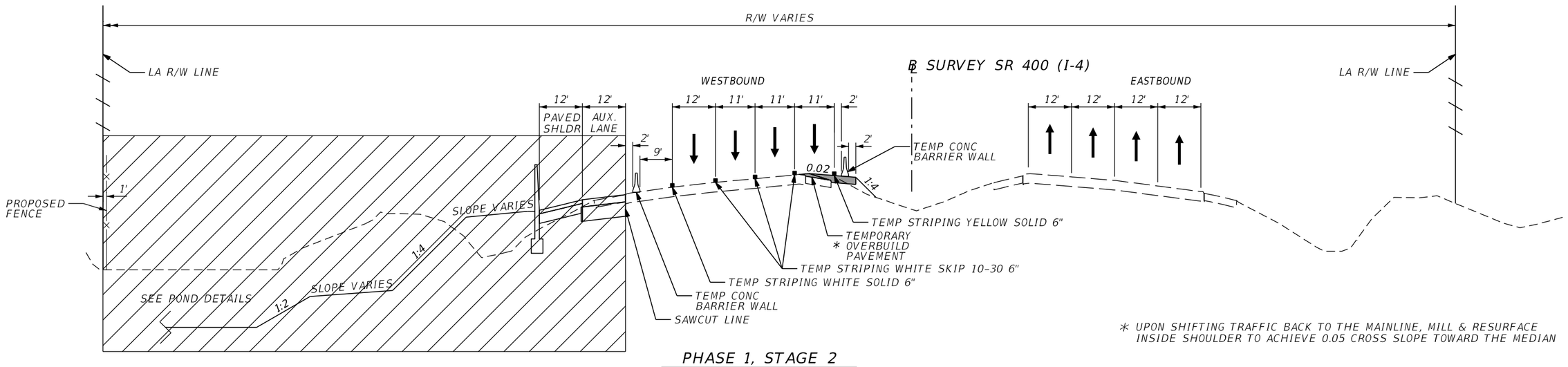
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP DETAILS

SHEET NO. 528

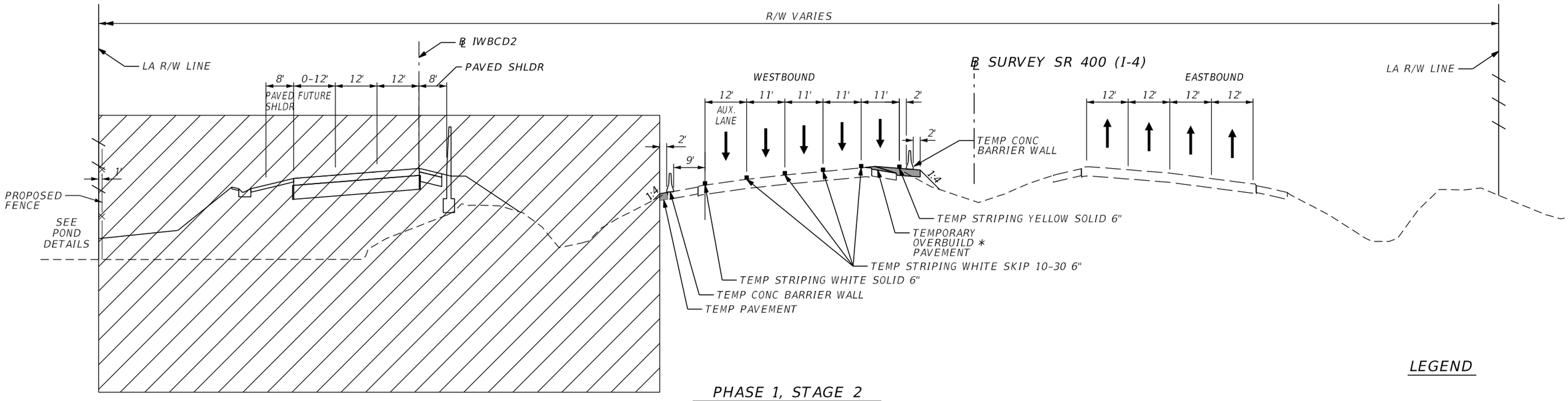
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



* UPON SHIFTING TRAFFIC BACK TO THE MAINLINE, MILL & RESURFACE INSIDE SHOULDER TO ACHIEVE 0.05 CROSS SLOPE TOWARD THE MEDIAN

PHASE 1, STAGE 2

℄ SURVEY SR 400 (I-4) STA. 637+00.00 to STA. 664+84.00 (LT)



PHASE 1, STAGE 2

℄ SURVEY SR 400 (I-4) STA. 664+84.00 to STA. 687+00.00 (LT)

LEGEND

WORK ZONE

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

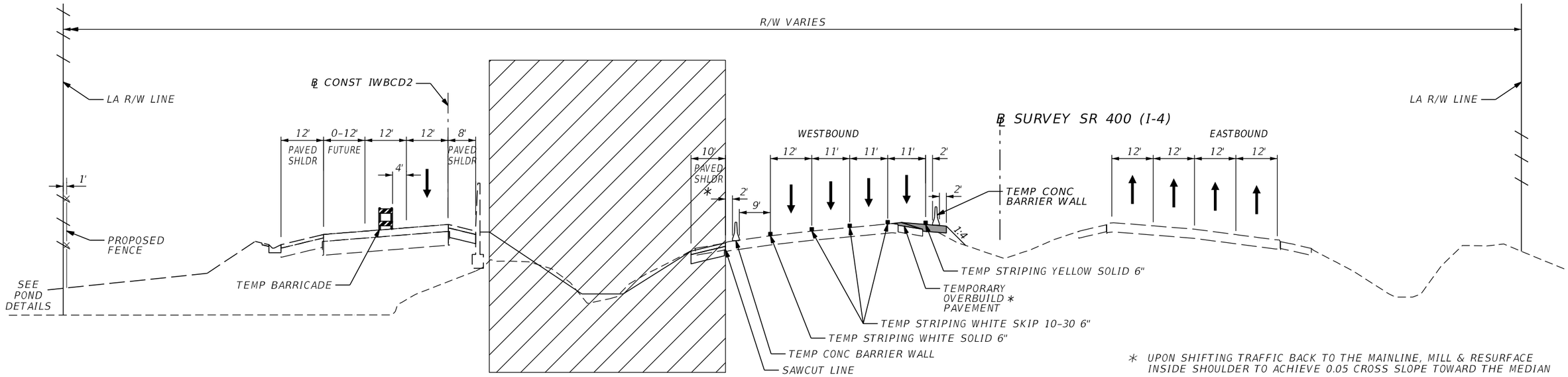
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
TTCP TYPICAL SECTION

SHEET NO. 529



PHASE 1, STAGE 4

℄ SURVEY SR 400 (I-4) STA. 664+84.00 to STA. 697+00.00 (LT)

LEGEND

WORK ZONE

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

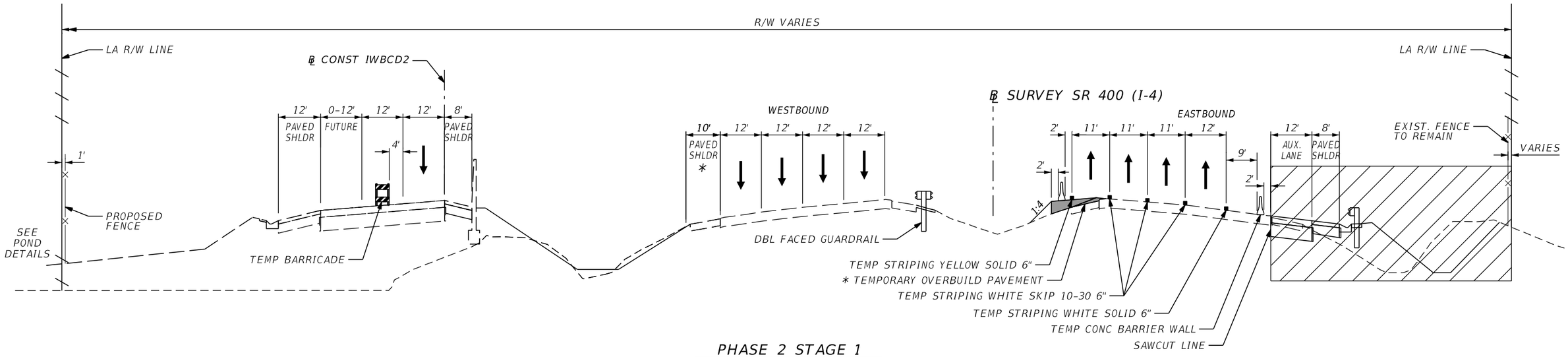
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
TTCP TYPICAL SECTION

SHEET NO. 530

robert.martini 8/22/2019 1:05:41 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD02.DGN

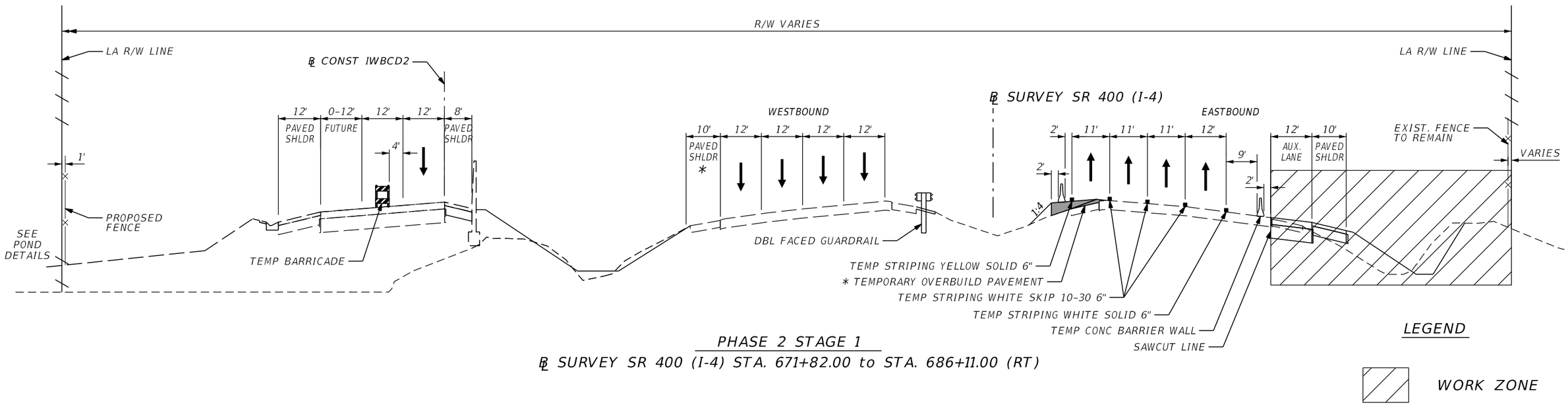


PHASE 2 STAGE 1

℄ SURVEY SR 400 (I-4) STA. 557+00.00 to STA. 562+50.00 (RT) **
℄ SURVEY SR 400 (I-4) STA. 568+26.00 to STA. 583+50.00 (RT)
℄ SURVEY SR 400 (I-4) STA. 619+60.00 to STA. 632+75.00 (RT)
℄ SURVEY SR 400 (I-4) STA. 657+65.00 to STA. 671+82.00 (RT)

* UPON SHIFTING TRAFFIC BACK TO THE MAINLINE, MILL & RESURFACE INSIDE SHOULDER TO ACHIEVE 0.05 CROSS SLOPE TOWARD THE MEDIAN

** ONLY MILL, RESURFACE, AND OVERBUILD EXISTING OUTSIDE SHOULDER PER TYPICAL SECTION #1



PHASE 2 STAGE 1

℄ SURVEY SR 400 (I-4) STA. 671+82.00 to STA. 686+11.00 (RT)

LEGEND

WORK ZONE

PRELIMINARY; NOT FOR CONSTRUCTION
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

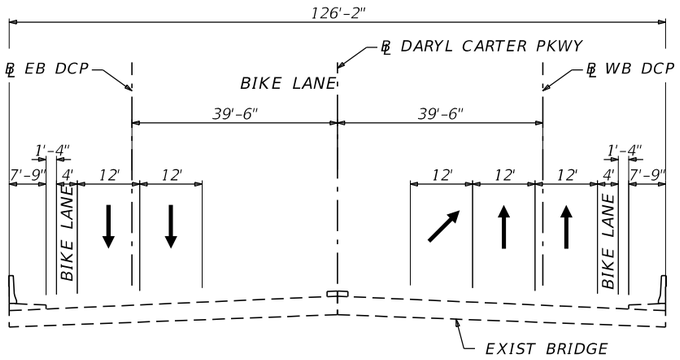
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
TTCP TYPICAL SECTION

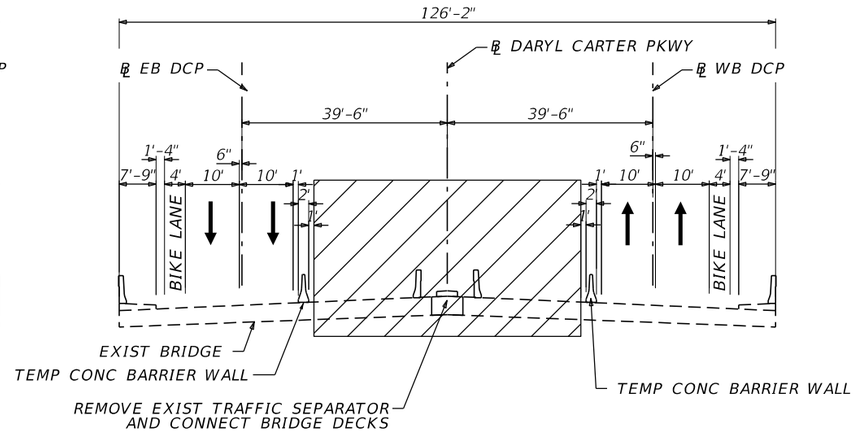
SHEET NO. 531

robert.martini 8/22/2019 3:00:15 PM c:\pwworking\aecom_na\r.martini\d0177900\TCTYRD03.DGN



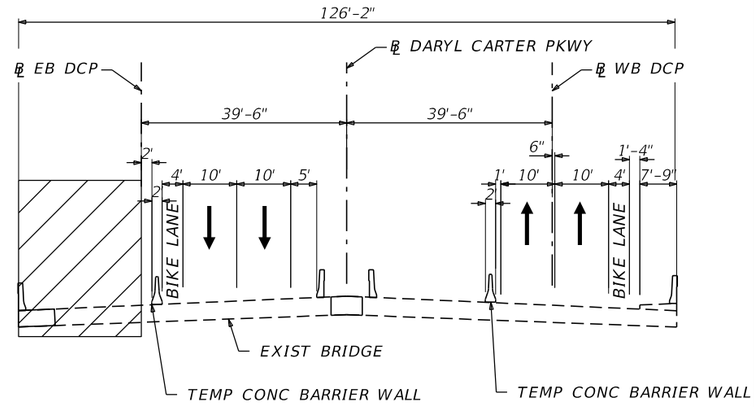
EXISTING LANE CONFIGURATION

℄ DARYL CARTER PKWY STA. 109+71.00 to STA. 114+31.00



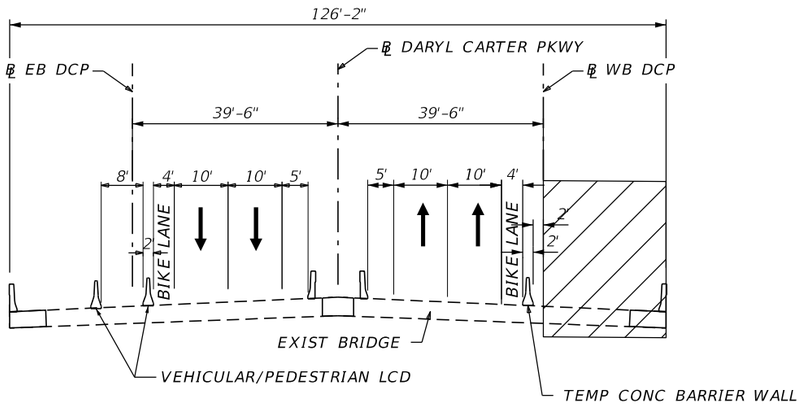
PHASE 1 STAGE 1

℄ DARYL CARTER PKWY STA. 109+71.00 to STA. 114+31.00



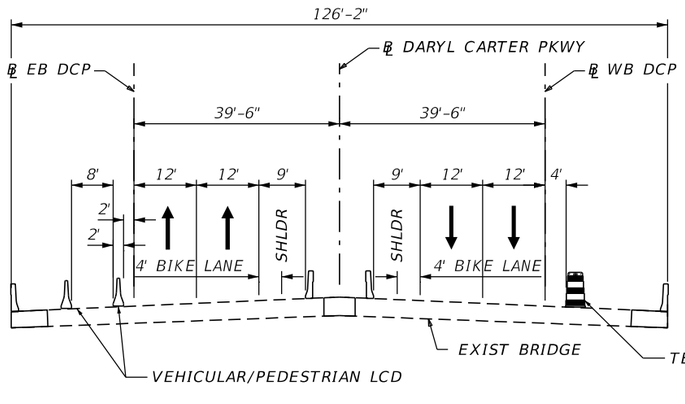
PHASE 1 STAGE 2

℄ DARYL CARTER PKWY STA. 109+71.00 to STA. 114+31.00



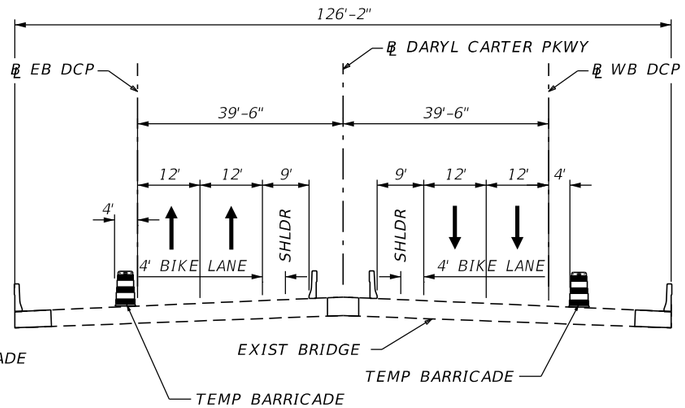
PHASE 2 STAGE 1

℄ DARYL CARTER PKWY STA. 109+71.00 to STA. 114+31.00



PHASE 2 STAGE 2

℄ DARYL CARTER PKWY STA. 109+71.00 to STA. 114+31.00



PHASE 2 STAGE 3

℄ DARYL CARTER PKWY STA. 109+71.00 to STA. 114+31.00

LEGEND

WORK ZONE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

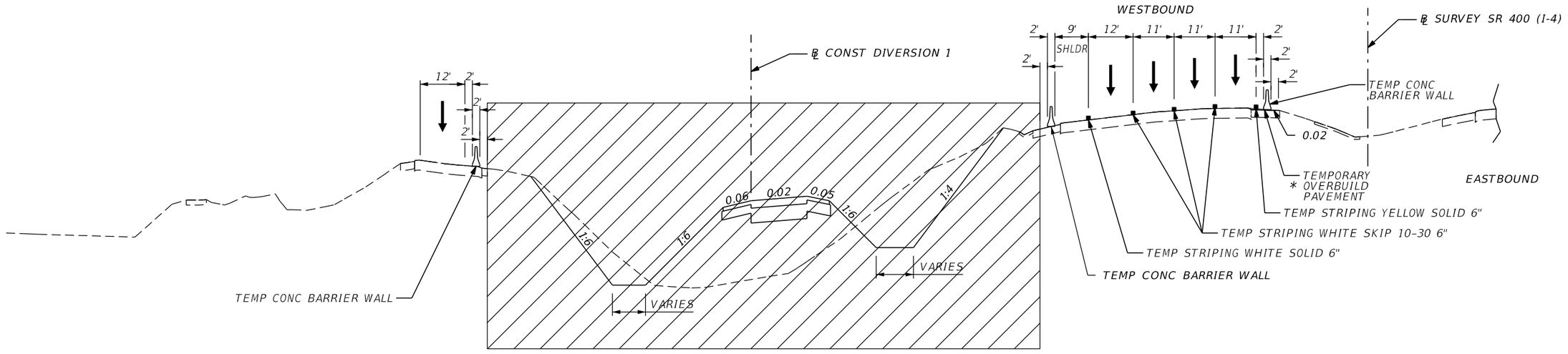
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY TTCP TYPICAL SECTION

SHEET NO. 532

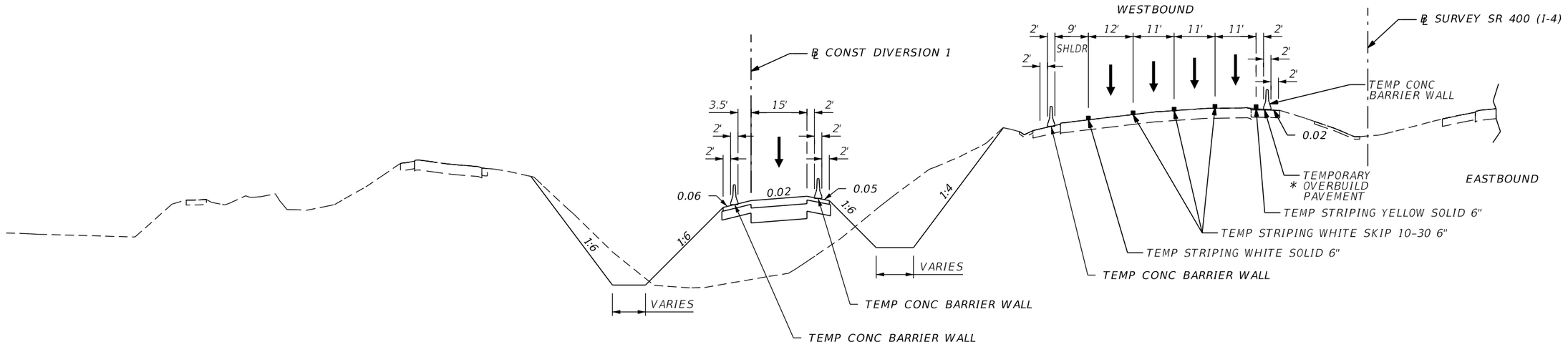
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:05:43 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD04.DGN



PHASE 1 STAGE 1

℄ CONST DIVERSION 1 STA. 104+00.00 to STA. 109+00.00



PHASE 1 STAGE 3

℄ CONST DIVERSION 1 STA. 104+00.00 to STA. 109+00.00

LEGEND

WORK ZONE

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

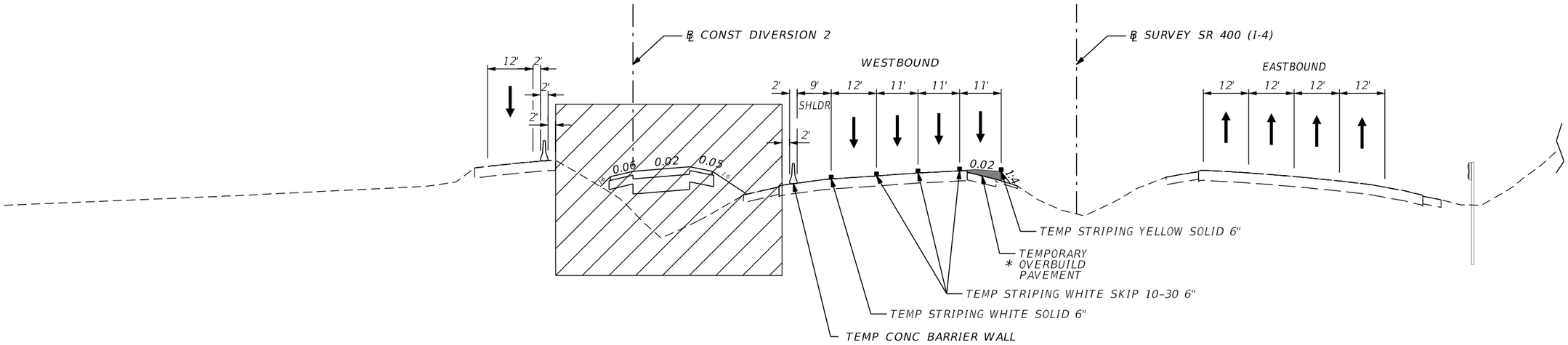
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

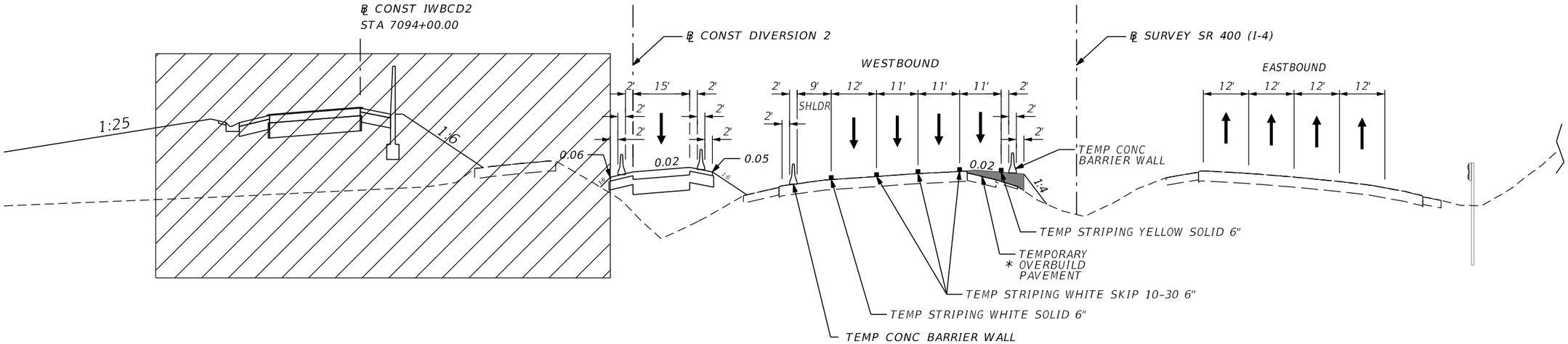
DIVERSION 1
TTCP TYPICAL SECTION

SHEET NO. 533



PHASE 1 STAGE 1

℄ CONST DIVERSION 2 STA. 203+00.00 to STA. 206+00.00



PHASE 1 STAGE 2

℄ CONST DIVERSION 2 STA. 203+00.00 to STA. 206+00.00

LEGEND

WORK ZONE

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DIVERSION 2
TTCP TYPICAL SECTION

SHEET NO. 534

robert.martini 8/22/2019 1:05:53 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD06.DGN

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

0 20 100
Feet

MATCH LINE SR 400 (I-4) STA 548+00.00

MATCH LINE SR 400 (I-4) STA 562+00.00

℄ SURVEY SR 400 (I-4)

℄ SURVEY SR 535

SB SR 535

NB SR 535

LA R/W LINE

TEMP CONC BARRIER WALL

BEGIN TEMP CONC BARRIER WALL
STA 557+70.79

℄ RAMP IC1_535

550 555 560 670 675 680 905 910

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

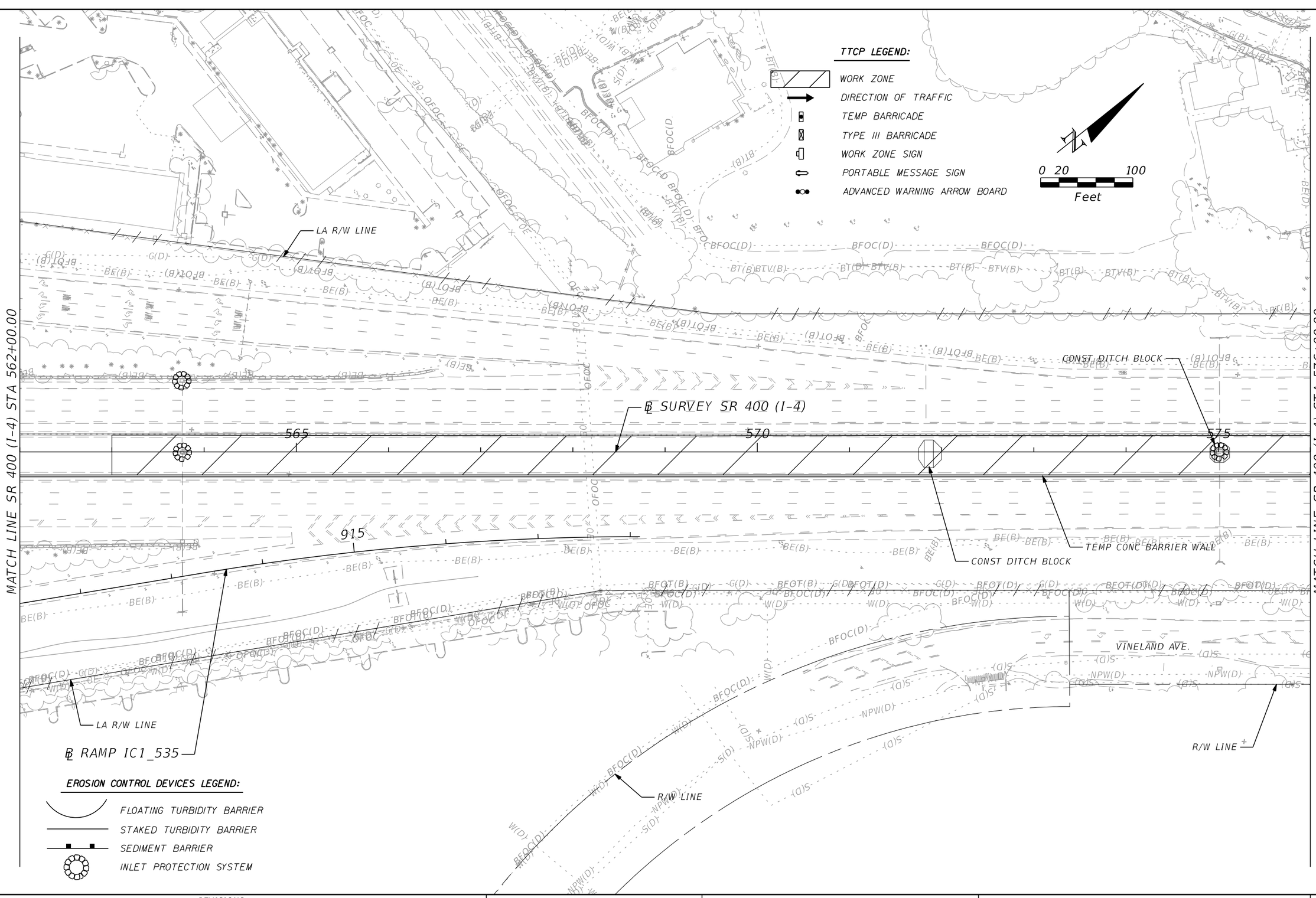
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 2
PHASE 1 - STAGE 1

SHEET NO. 535

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:05:56 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD02_P1S1.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

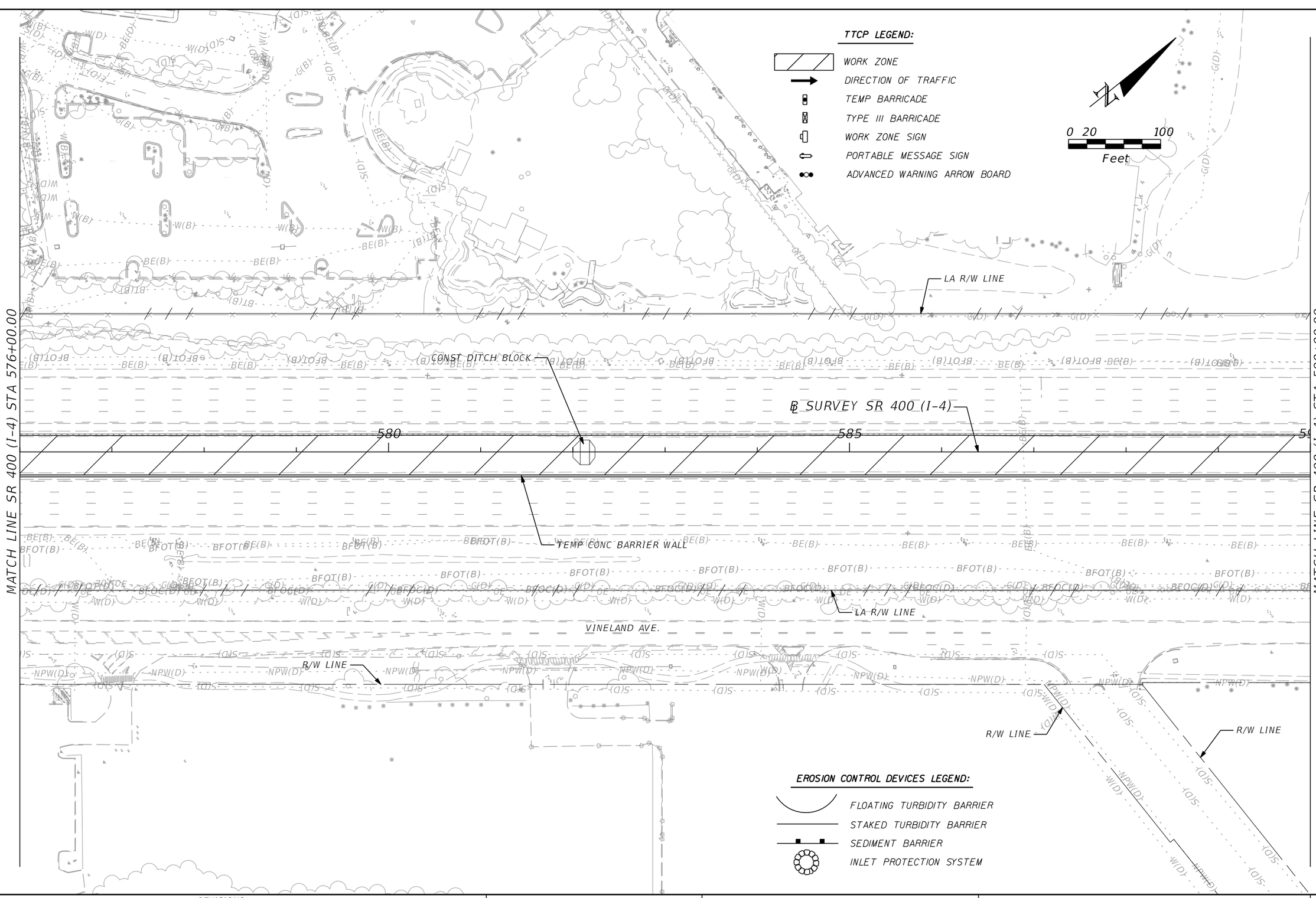
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 3
PHASE 1 - STAGE 1

SHEET NO. 536

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:05:58 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD03_P1S1.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

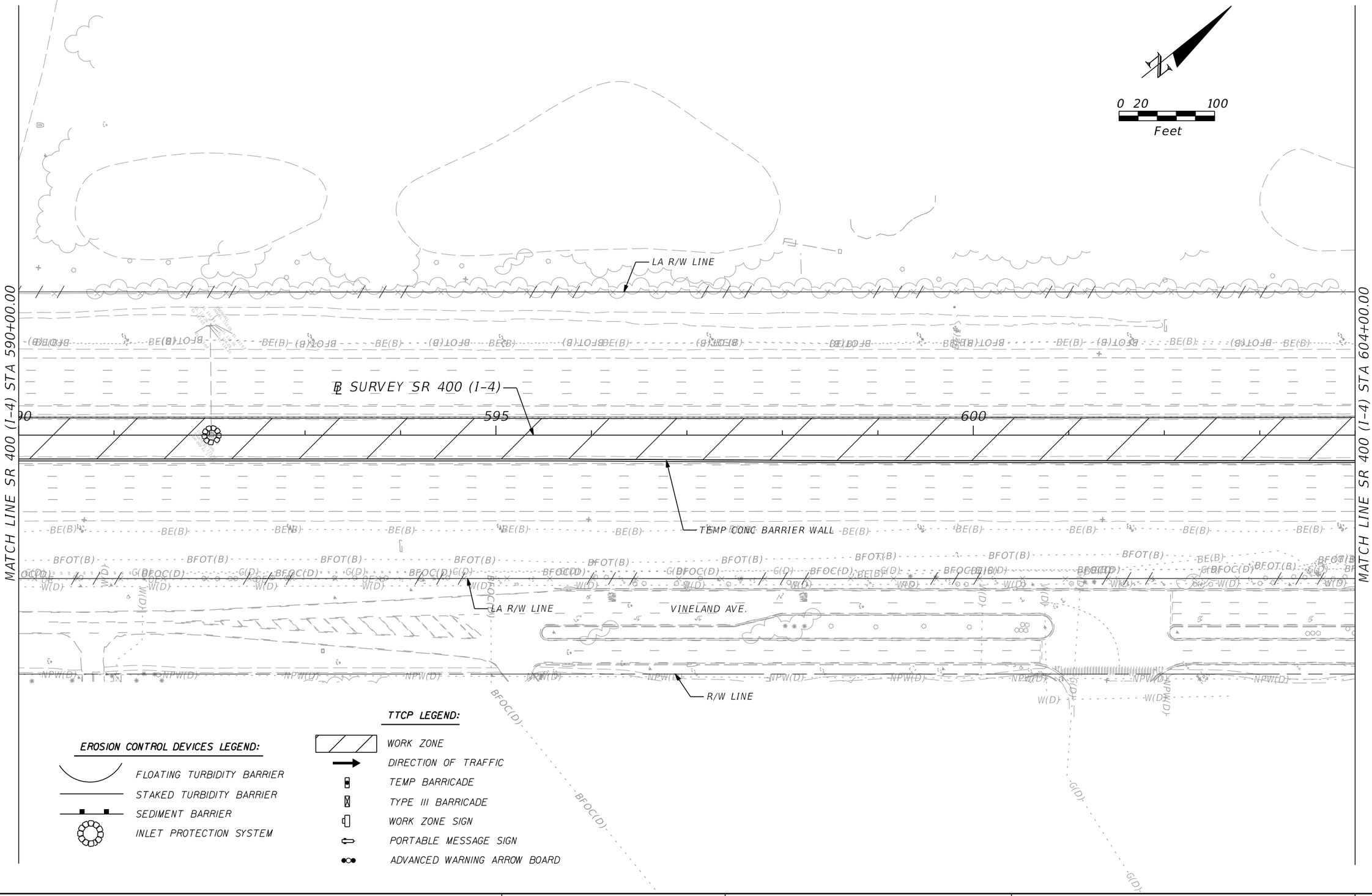
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 4
PHASE 1 - STAGE 1

SHEET NO. 537

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:06:00 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD04_P1S1.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

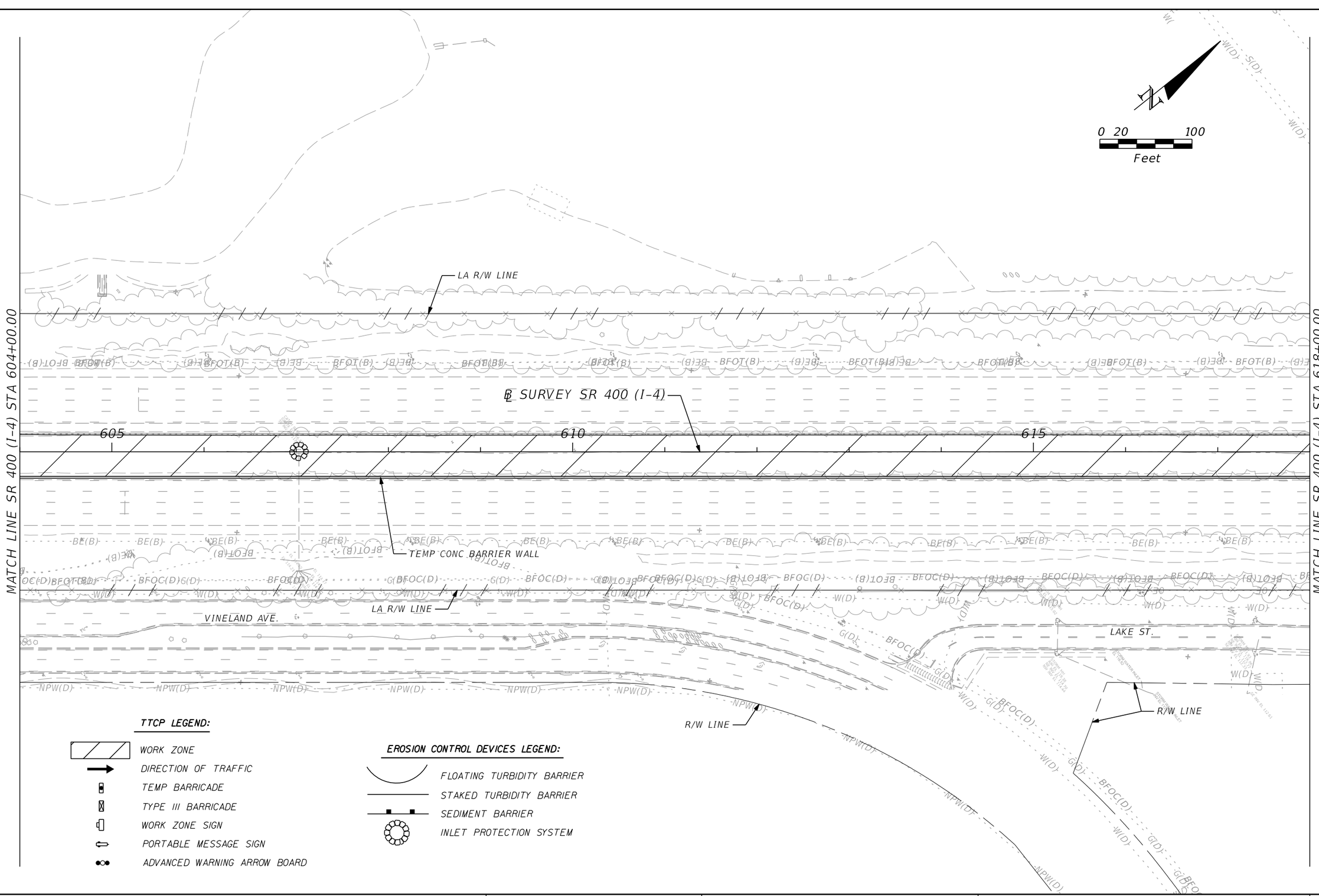
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 5
PHASE 1 - STAGE 1

SHEET NO. 538

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:06:02 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD05_P1S1.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

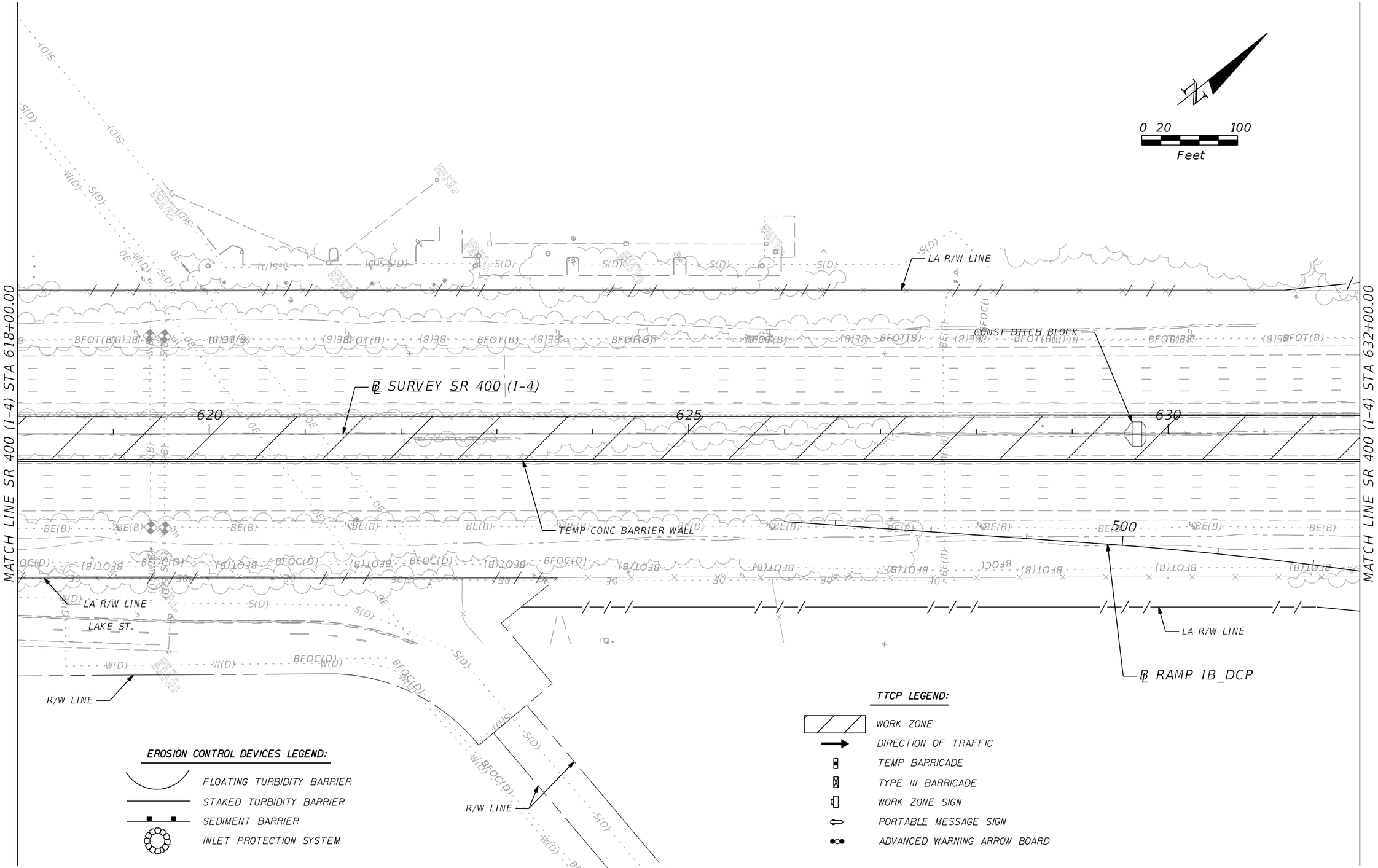
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 6
PHASE 1 - STAGE 1

SHEET NO. 539

robert.martini 8/22/2019 1:06:04 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD06_P1S1.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 7
PHASE 1 - STAGE 1

SHEET NO. 540

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:06:07 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD07_P1S1.dgn

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

0 20 100
Feet

℄ EB DCP

℄ DARYL CARTER PKWY

LA R/W LINE

TEMP CONC BARRIER WALL

POND 140B1

CONST DITCH BLOCK

EDGE OF TEMP PAVEMENT

TEMP CONC BARRIER WALL

℄ SURVEY SR 400 (I-4)

635

640

505

510

515

℄ RAMP IB_DCP

TEMP TOP

LA R/W LINE

NIGHT WORK WITH LANE CLOSURES

MATCH LINE SR 400 (I-4) STA 645+00.00

305

310

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 8
PHASE 1 - STAGE 1

SHEET NO. 541

SEE TTCP PALM PKWY - PLAN 1 & 2
PHASE 1 - STAGE 1A, 1B, 1C

0 20 100
Feet

MATCH LINE SR 400 (I-4) STA 645+00.00

MATCH LINE SR 400 (I-4) STA 660+00.00

R/W LINE

POND 140B3

℄ WB DCP

705

℄ RAMP D_DCP

710

℄ CONST IWBCD2

715

STA 706+37.61, 161.42' LT
℄ RAMP D_DCP

POND 140B2

℄ RAMP ISLIP1

110

105

7065

100

54" PIPE
JACK AND BORE

650

655

℄ SURVEY SR 400 (I-4)

TEMP CONC BARRIER WALL

EDGE OF TEMP PAVEMENT

54" PIPE
JACK AND BORE

℄ EB DCP

TEMP CONC
BARRIER WALL

STA 610+34.32, 70.40' RT
℄ RAMP IC_DCP

STA 611+19.96, 57.58' RT
℄ RAMP IC_DCP

STA 610+08.79, 30.25' RT
℄ RAMP IC_DCP

610

615

STA 608+61.40, 6.28' RT
℄ RAMP IC_DCP

605

STA 609+87.67, 11.03' RT
℄ RAMP IC_DCP

℄ RAMP IC_DCP

LA R/W LINE

TEMP TOP

NIGHT WORK WITH
LANE CLOSURES

TTCP LEGEND:

WORK ZONE
DIRECTION OF TRAFFIC
TEMP BARRICADE
TYPE III BARRICADE
WORK ZONE SIGN
PORTABLE MESSAGE SIGN
ADVANCED WARNING ARROW BOARD

EROSION CONTROL DEVICES LEGEND:

FLOATING TURBIDITY BARRIER
STAKED TURBIDITY BARRIER
SEDIMENT BARRIER
INLET PROTECTION SYSTEM

STA 612+83.74, 204.87' RT
℄ RAMP IC_DCP

EXISTING POND C

STA 612+35.10, 290.10' RT
℄ RAMP IC_DCP

POND C

TEMPORARY EASEMENT

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 9
PHASE 1 - STAGE 1

SHEET NO. 542

robert.martini 8/22/2019 1:06:14 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD09_P1S1.dgn

SEE TTCP PALM PKWY – PLAN 2 & 3
PHASE 1 – STAGE 1A, 1B, 1C

POND 141B2

POND 141B3

0 20 100
Feet

LA R/W LINE

℄ CONST IWBCD2

℄ RAMP ISLIP2

7070 7075 7080 200

℄ RAMP D_DCP

MATCH LINE SR 400 (I-4) STA 660+00.00

650 665 670

TEMP CONC BARRIER WALL

EDGE OF TEMP PAVEMENT

℄ SURVEY SR 400 (I-4)

℄ RAMP IC_DCP

620 625

MATCH LINE SR 400 (I-4) STA 674+00.00

LA R/W LINE

POND C

TEMPORARY EASEMENT

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 10
PHASE 1 - STAGE 1

SHEET NO. 543

robert.martini 8/22/2019 1:06:18 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD10_P1S1.dgn

SEE TTCP PALM PKWY – PLAN 3 & 4
PHASE 1 – STAGE 1A, 1B, 1C

POND 141B3

POND FPC 141

POND 141B4

0 20 100
Feet

LA R/W LINE

℄ CONST IWBCD2

℄ RAMP ISLIP2

℄ RAMP IA_CFP

℄ RAMP IC_CFP

℄ CONST DIVERSION 2

STA 7089+49.38, 91.75' RT
℄ CONST IWBCD2

STA 7088+05.91, 19.50' RT
℄ CONST IWBCD2

BEGIN TEMP CONC BARRIER WALL
BEGIN LANE SHIFT
STA 678+50.00

TEMP CONC BARRIER WALL

60" PIPE
JACK AND BORE

BEGIN LANE SHIFT
STA 677+00.00

END TEMP CONC
BARRIER WALL
STA 677+60.00

END LANE SHIFT
STA 683+08.00

TEMP CONC BARRIER WALL

CONST 254' OF 18" PIPE

℄ SURVEY SR 400 (I-4)

EDGE OF TEMP PAVEMENT

℄ RAMP IB_CFP

W1-4d

T-100

T-101

T-102

7085 7090 7095

675 680 685

205 210 215 200 300 400 100

12' 12' 12' 12'

12' 11' 11' 11'

MATCH LINE SR 400 (I-4) STA 674+00.00

MATCH LINE SR 400 (I-4) STA 688+00.00

STA 658+01.04, 205.34' RT
℄ SURVEY SR 400 (I-4)

STA 676+34.28, 205.34' RT
℄ SURVEY SR 400 (I-4)

STA 676+03.51, 265.85' RT
℄ SURVEY SR 400 (I-4)

STA 675+99.67, 296.52' RT
℄ SURVEY SR 400 (I-4)

STA 676+44.91, 277.71' RT
℄ SURVEY SR 400 (I-4)

STA 676+07.68, 300.61' RT
℄ SURVEY SR 400 (I-4)

STA 676+81.73, 205.34' RT
℄ SURVEY SR 400 (I-4)

STA 678+00.03, 205.34' RT
℄ SURVEY SR 400 (I-4)

LA R/W LINE

EASEMENT

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

T-100
CONST CONCRETE COLLAR
CONNECT TO EXIST 18" PIPE

T-102
CONST 18" MES
FL 106.89

T-101
CONST TEMP DBI
TOP EL 107.49
FL 103.64
CONTRACTOR TO VERIFY INVERT/TOP ELEV BEFORE INSTALLATION, MODIFY IF NECESSARY

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

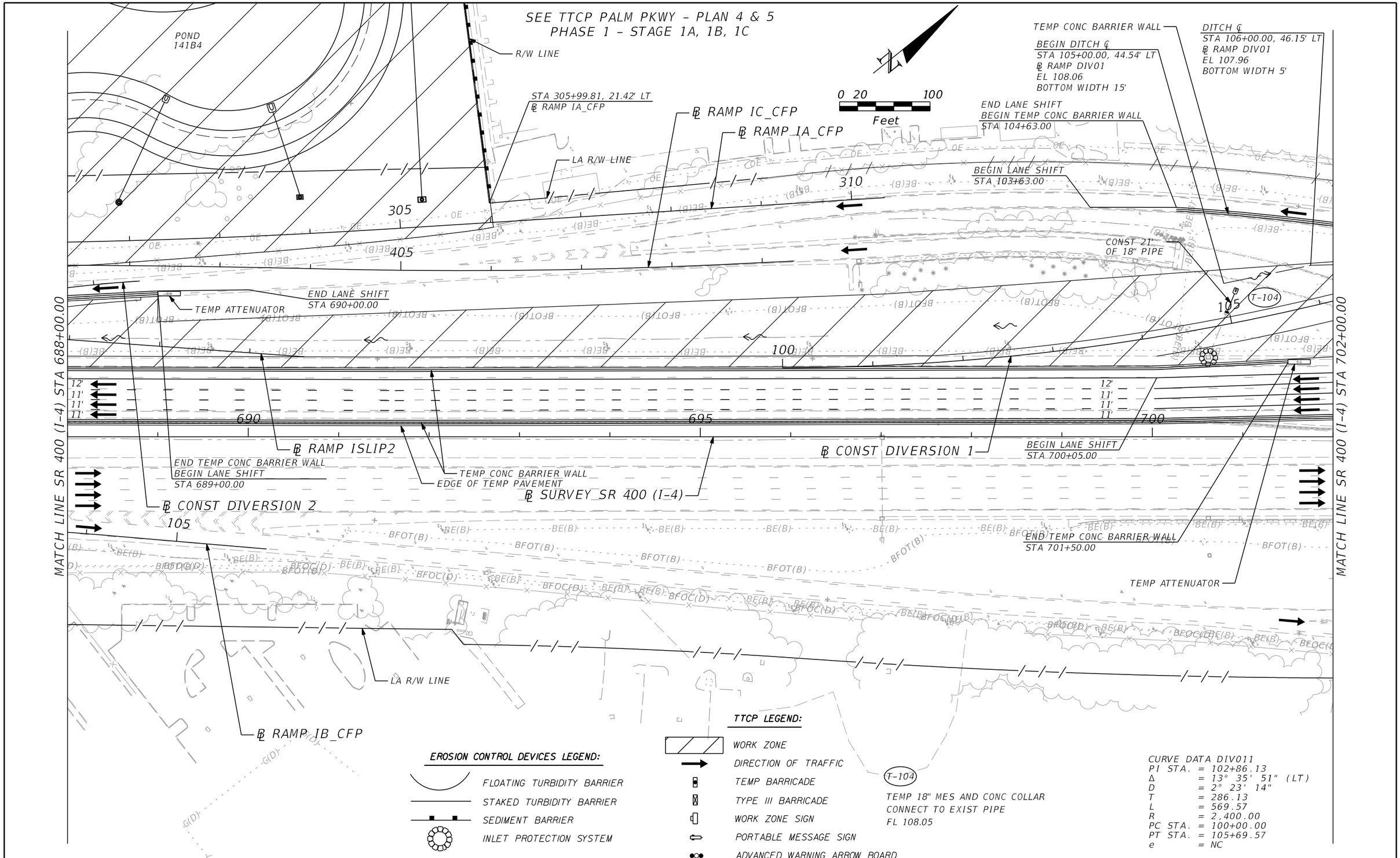
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 11
PHASE 1 - STAGE 1

SHEET NO. 544

robert.martini 8/22/2019 1:06:23 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD11_P1S1.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 12
PHASE 1 - STAGE 1

SHEET NO.
545

SEE TTCP PALM PKWY – PLAN 5
PHASE 1 – STAGE 1A, 1B, 1C

℄ CONST DIVERSION 1

TEMP CONC BARRIER WALL

END DITCH ℄
STA 108+00.00, 23.28' RT
℄ RAMP DIV01
EL 112.41
BOTTOM WIDTH 5'

EASEMENT

R/W LINE

LA R/W LINE

TEMPORARY EASEMENT

TEMP ATTENUATOR

END TEMP CONC BARRIER WALL
STA 110+75.00

LA R/W LINE

STA 109+91.71, 21.56' RT
℄ RAMP DIV01

MATCH LINE SR 400 (I-4) STA 702+00.00

705

110

150

WB CENTRAL FLORIDA PKWY

EB CENTRAL FLORIDA PKWY

R/W LINE

CURVE DATA DIV011
PI STA. = 102+86.13
Δ = 13° 35' 51" (LT)
D = 2° 23' 14"
T = 286.13
L = 569.57
R = 2,400.00
PC STA. = 100+00.00
PT STA. = 105+69.57
e = NC

CURVE DATA DIV012
PI STA. = 107+72.70
Δ = 6° 50' 17" (RT)
D = 1° 41' 07"
T = 203.13
L = 405.78
R = 3,400.00
PC STA. = 105+69.57
PT STA. = 109+75.35
e = NC

0 20 100
Feet

℄ SURVEY TURKEY LAKE ROAD

R/W LINE

LA R/W LINE

STA 110+55.51, 27.77' RT
℄ RAMP DIV01

END DITCH ℄
STA 110+00.00, 70.60' RT
℄ RAMP DIV01
EL 99.11
BOTTOM WIDTH 5'

STA 110+44.37, 94.68' RT
℄ RAMP DIV01

℄ SURVEY SR 400 (I-4)

715

710

DITCH ℄
STA 109+00.00, 56.45' RT
℄ RAMP DIV01
EL 105.88
BOTTOM WIDTH 15'

TEMP CONC BARRIER WALL

END LANE SHIFT
STA 704+62.00

STA 109+76.59, 82.04' RT
℄ RAMP DIV01

℄ SURVEY CENTRAL FLORIDA PKWY

EDGE OF TEMP PAVEMENT

BEGIN DITCH ℄
STA 108+00.00, 55.01' RT
℄ RAMP DIV01
EL 108.50
BOTTOM WIDTH 5'

W1-4d

EXTEND GUTTER AND CONNECT TO EXISTING SYSTEM

END TEMP CONC BARRIER WALL
STA 704+62.00

LA R/W LINE

30

LA R/W LINE

EASEMENT

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 13
PHASE 1 - STAGE 1

SHEET NO. 546

robert.martini 8/22/2019 1:06:35 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD13_P1S1.dgn

0 20 100
Feet

R/W LINE
ROAD WORK AHEAD
W20-1F
SPEEDING FINES DOUBLED WHEN WORKERS PRESENT
MOT-14-06
W21-1
175'
175'
200'
PALM PKWY
℄ POND141
℄ RAMP D_DCP
R/W LINE
600
℄ DARYL CARTER PKWY
BEGIN TEMP BARRICADES
STA 104+25.00
TEMP ATTENUATOR
300
200
END LANE SHIFT
STA 107+34.00
STA 106+85.61, 85.28' LT
℄ DARYL CARTER PKWY
LA R/W LINE
℄ WB DCP
END TEMP BARRICADES
BEGIN LANE SHIFT
STA 106+34.00
20' (TYP)
12'
10'
105
℄ EB DCP
LA R/W LINE
BEGIN LANE TAPER
STA 106+60.00
BEGIN TEMP CONC BARRIER WALL
STA 104+45.00
TEMP CONC BARRIER WALL
T-100A
T-101A
TEMP TOP
205
110
305
END LANE TAPER
STA 109+80.00
POND 140B3
POND 140B2
℄ RAMP ISLIP1
℄ EB DCP
℄ WB DCP
MATCH LINE DARYL CARTER PKWY STA 114+00.00
T-100A
CONST TEMP TOP
T-101A
CONST TEMP TOP
℄ SURVEY SR 400 (I-4)
LA R/W LINE
POND 140B1
W21-1
SPEEDING FINES DOUBLED WHEN WORKERS PRESENT
MOT-14-06
R/W LINE
ROAD WORK AHEAD
W20-1F

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

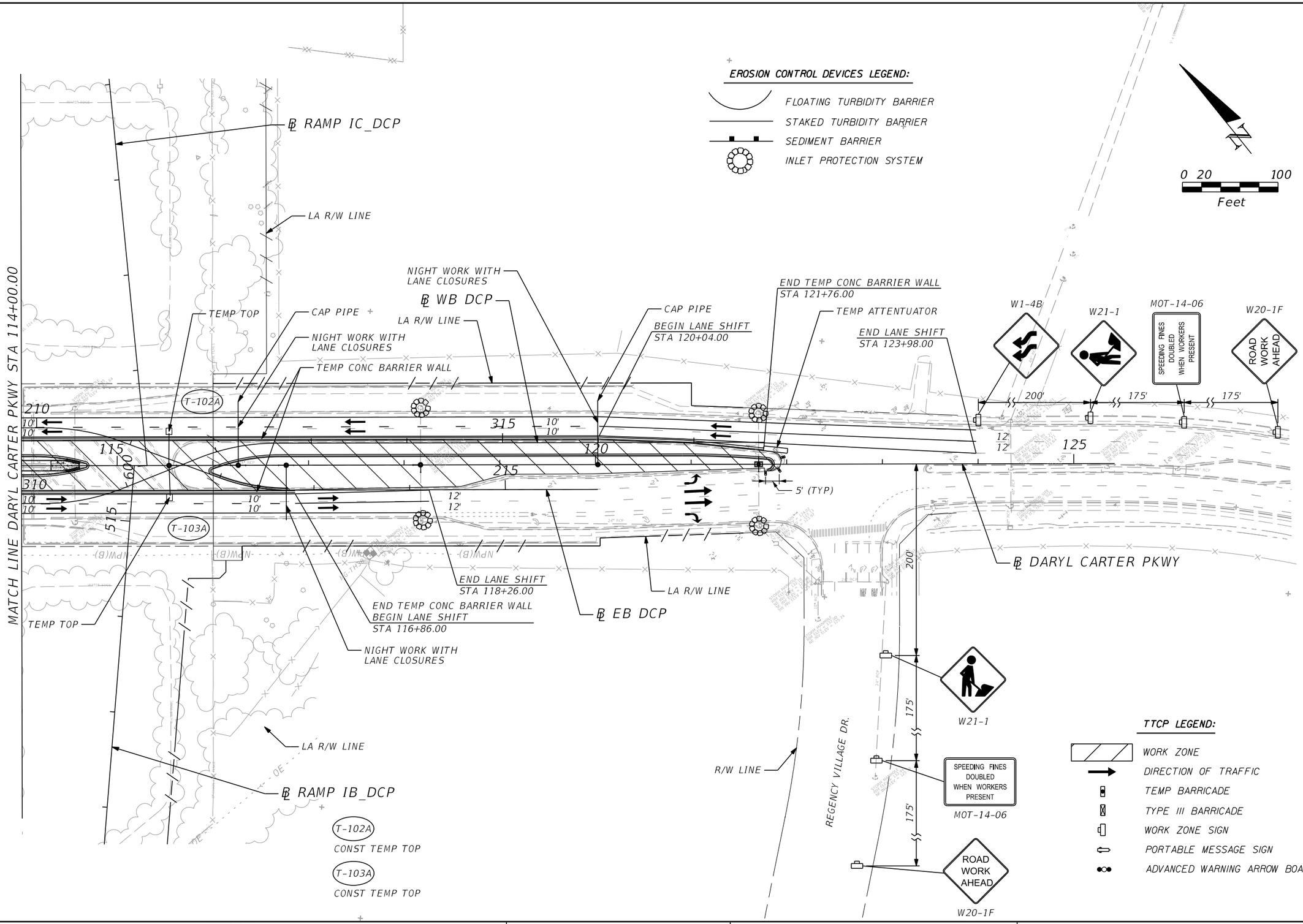
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP DARYL CARTER PKWY - PLAN 1 PHASE 1 - STAGE 1

SHEET NO. 547

robert.martini 8/22/2019 1:06:40 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD14_P1S1.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP DARYL CARTER PKWY - PLAN 2 PHASE 1 - STAGE 1

SHEET NO. 548

robert.martini 8/22/2019 1:06:44 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD15_P1S1.dgn

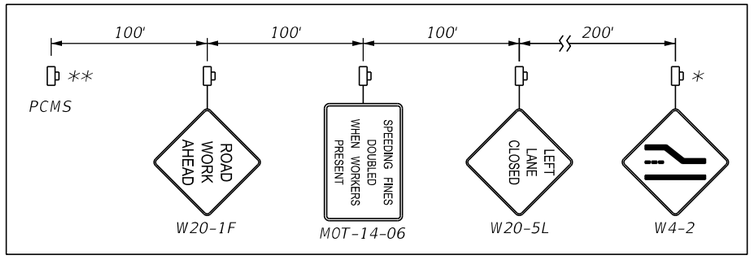
TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

EROSION CONTROL DEVICES LEGEND:

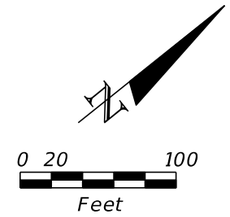
- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

ADVANCED WARNING SIGN DETAIL



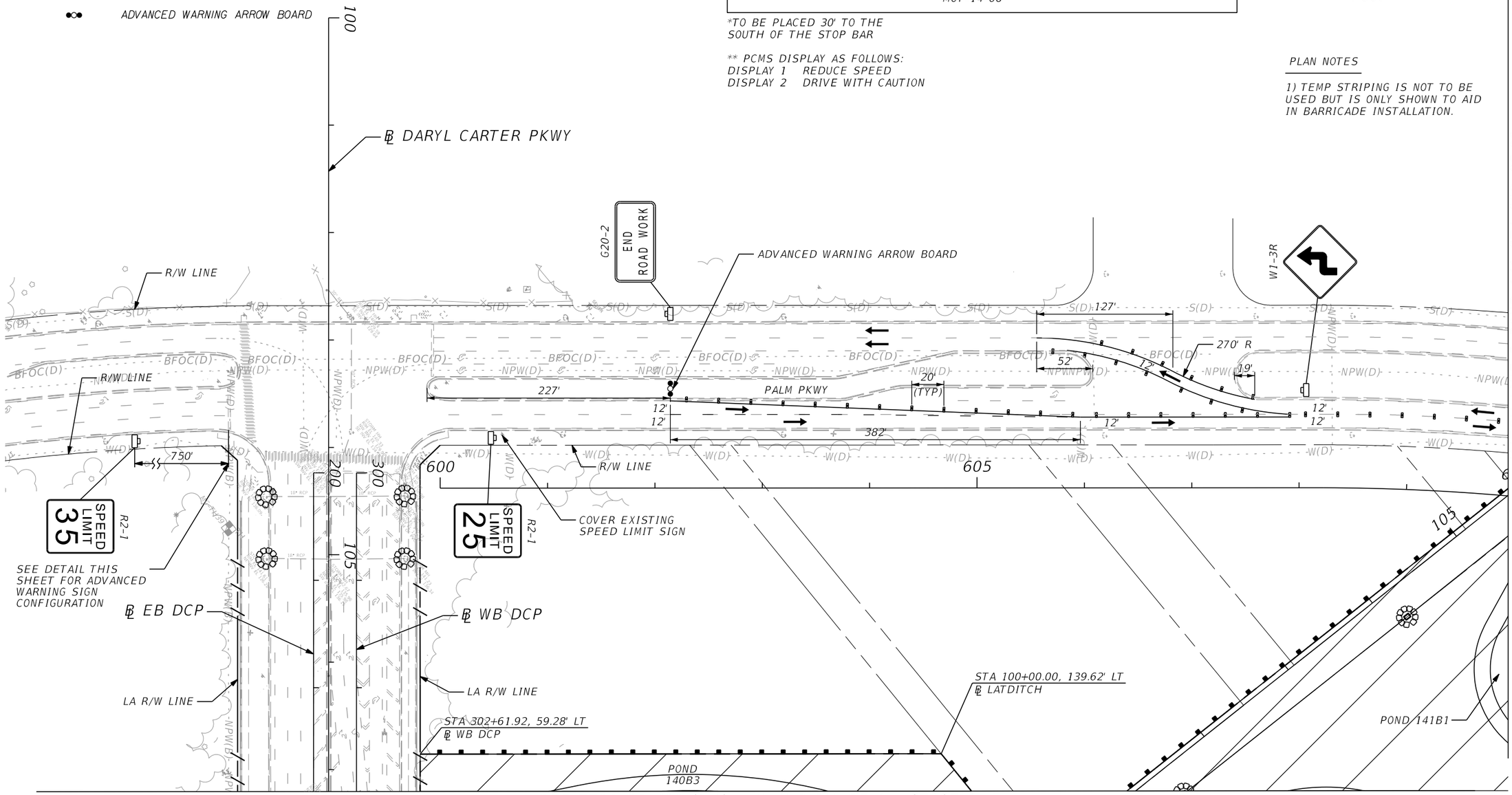
*TO BE PLACED 30' TO THE SOUTH OF THE STOP BAR

** PCMS DISPLAY AS FOLLOWS:
DISPLAY 1 REDUCE SPEED
DISPLAY 2 DRIVE WITH CAUTION



PLAN NOTES

1) TEMP STRIPING IS NOT TO BE USED BUT IS ONLY SHOWN TO AID IN BARRICADE INSTALLATION.



SEE TTCP SR 400 (I-4) - PLAN 9 PHASE 1 - STAGE 1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP PALM PKWY - PLAN 1 PHASE 1 - STAGE 1A

SHEET NO. 549

robert.martini 8/22/2019 1:06:50 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD16_P1S1_A.dgn

TTCP LEGEND:

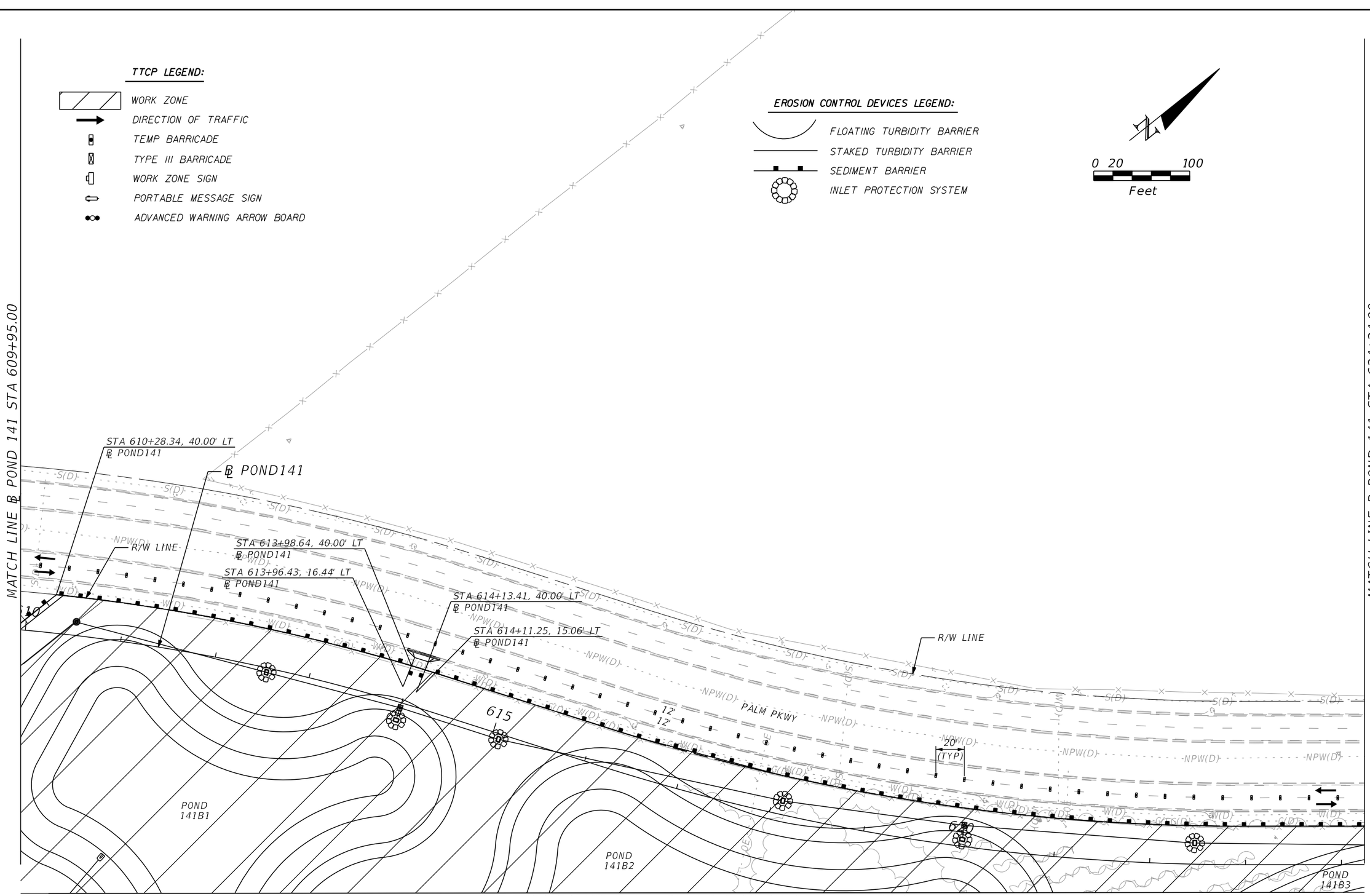
- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

0 20 100
Feet

MATCH LINE ℄ POND 141 STA 609+95.00



MATCH LINE ℄ POND 141 STA 624+24.00

SEE TTCP SR 400 (I-4) - PLAN 9 & 10 PHASE 1 - STAGE 1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP PALM PKWY - PLAN 2
PHASE 1 - STAGE 1A

SHEET NO. 550

robert.martini 8/22/2019 1:06:55 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD17_P1S1_A.dgn

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

0 20 100
Feet

MATCH LINE ℄ POND 141 STA 624+24.00

MATCH LINE ℄ POND 141 STA 638+24.00

R/W LINE

R/W LINE

PALM PKWY

℄ POND141

20' (TYP)

12'
12'

STA 637+63.25, 49.19' LT
℄ POND141

STA 637+62.89, 40.00' LT
℄ POND141

STA 637+19.66, 49.23' LT
℄ POND141

STA 637+19.38, 40.00' LT
℄ POND141

625

630

635

POND
141B3

POND FPC 141

SEE TTCP SR 400 (I-4) - PLAN 10 & 11 PHASE 1 - STAGE 1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

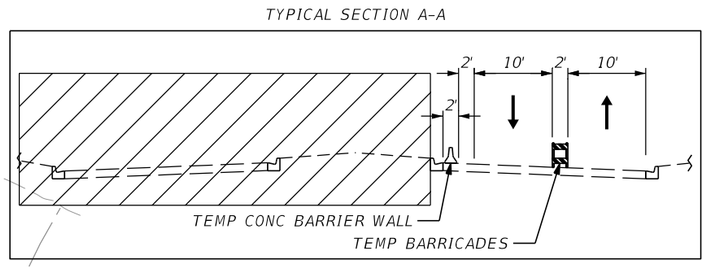
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP PALM PKWY - PLAN 3
PHASE 1 - STAGE 1A

SHEET NO. 551



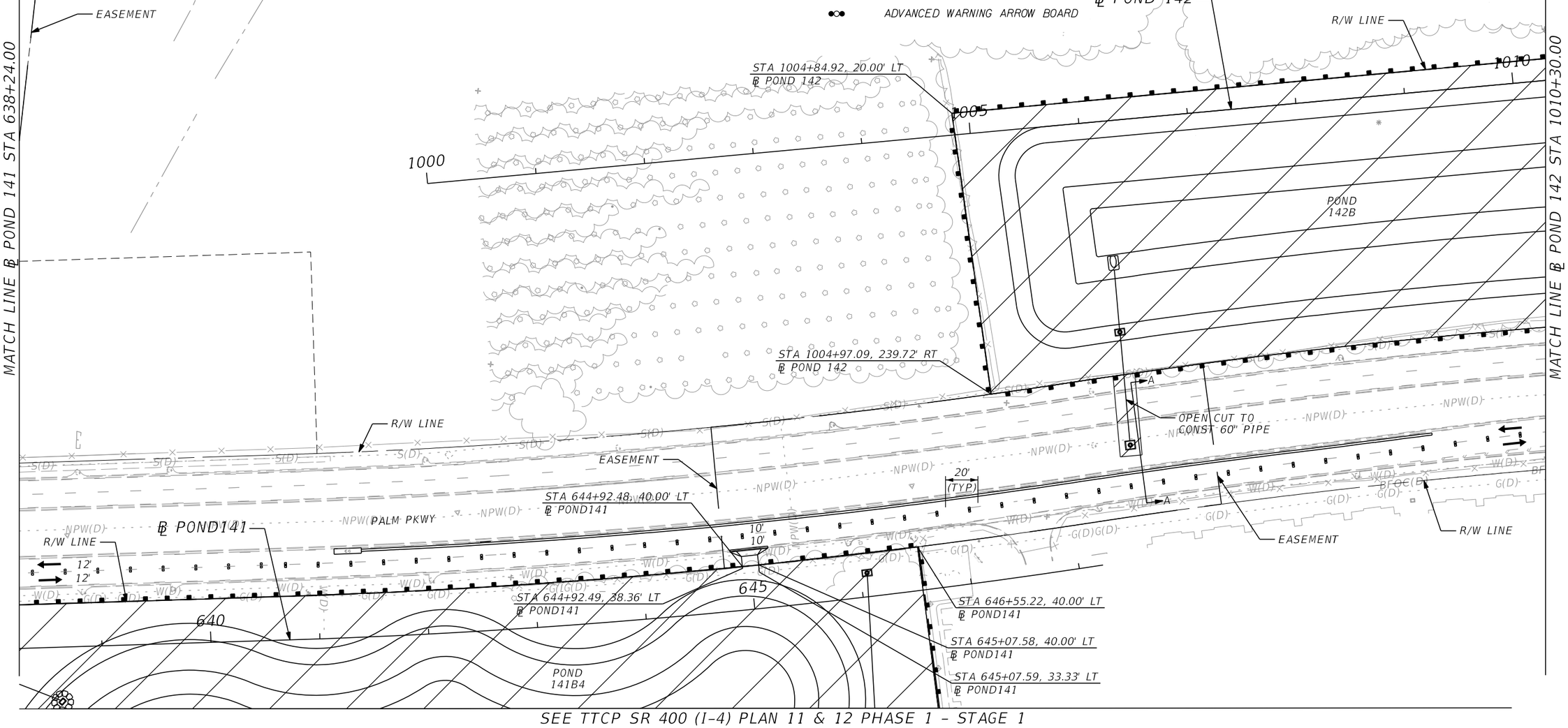
EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

0 20 100
Feet



SEE TTCP SR 400 (I-4) PLAN 11 & 12 PHASE 1 - STAGE 1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

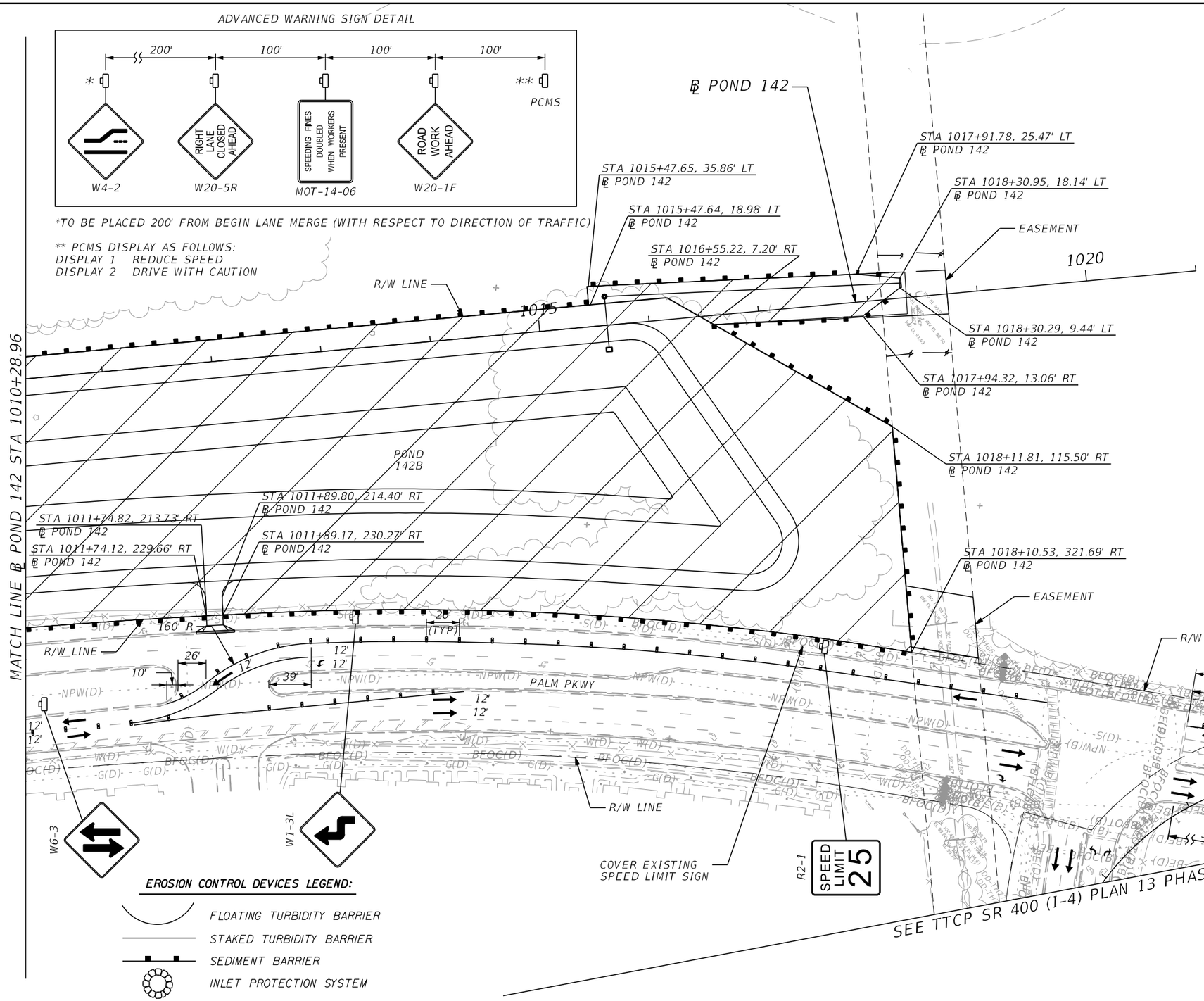
TTCP PALM PKWY - PLAN 4 PHASE 1 - STAGE 1A

SHEET NO. 552

ADVANCED WARNING SIGN DETAIL

*TO BE PLACED 200' FROM BEGIN LANE MERGE (WITH RESPECT TO DIRECTION OF TRAFFIC)

** PCMS DISPLAY AS FOLLOWS:
DISPLAY 1 REDUCE SPEED
DISPLAY 2 DRIVE WITH CAUTION



0 20 100
Feet

PLAN NOTES

1) TEMP STRIPING IS NOT TO BE USED BUT IS ONLY SHOWN TO AID IN BARRICADE INSTALLATION.

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

SEE DETAIL THIS SHEET FOR ADVANCED WARNING SIGN CONFIGURATION

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP PALM PKWY - PLAN 5 PHASE 1 - STAGE 1A

SHEET NO. 553

TYPICAL SECTION A-A

ADVANCED WARNING SIGN DETAIL

*TO BE PLACED 200 FT TO THE SOUTH OF BEGIN TEMP CONC BARRIER WALL

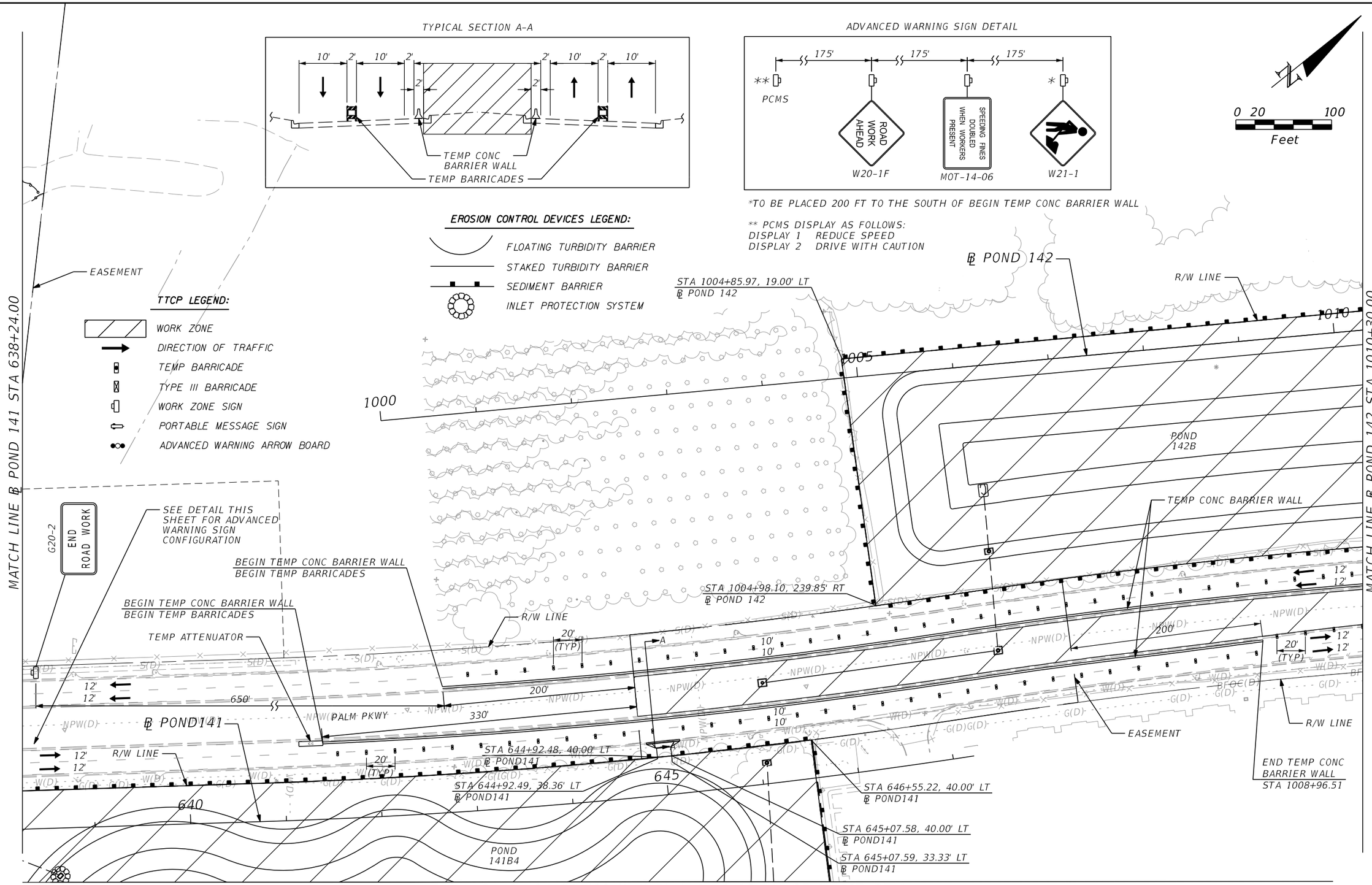
** PCMS DISPLAY AS FOLLOWS:
DISPLAY 1 REDUCE SPEED
DISPLAY 2 DRIVE WITH CAUTION

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD



SEE TTCP SR 400 (I-4) PLAN 11 & 12 PHASE 1 - STAGE 1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP PALM PKWY - PLAN 4
PHASE 1 - STAGE 1B

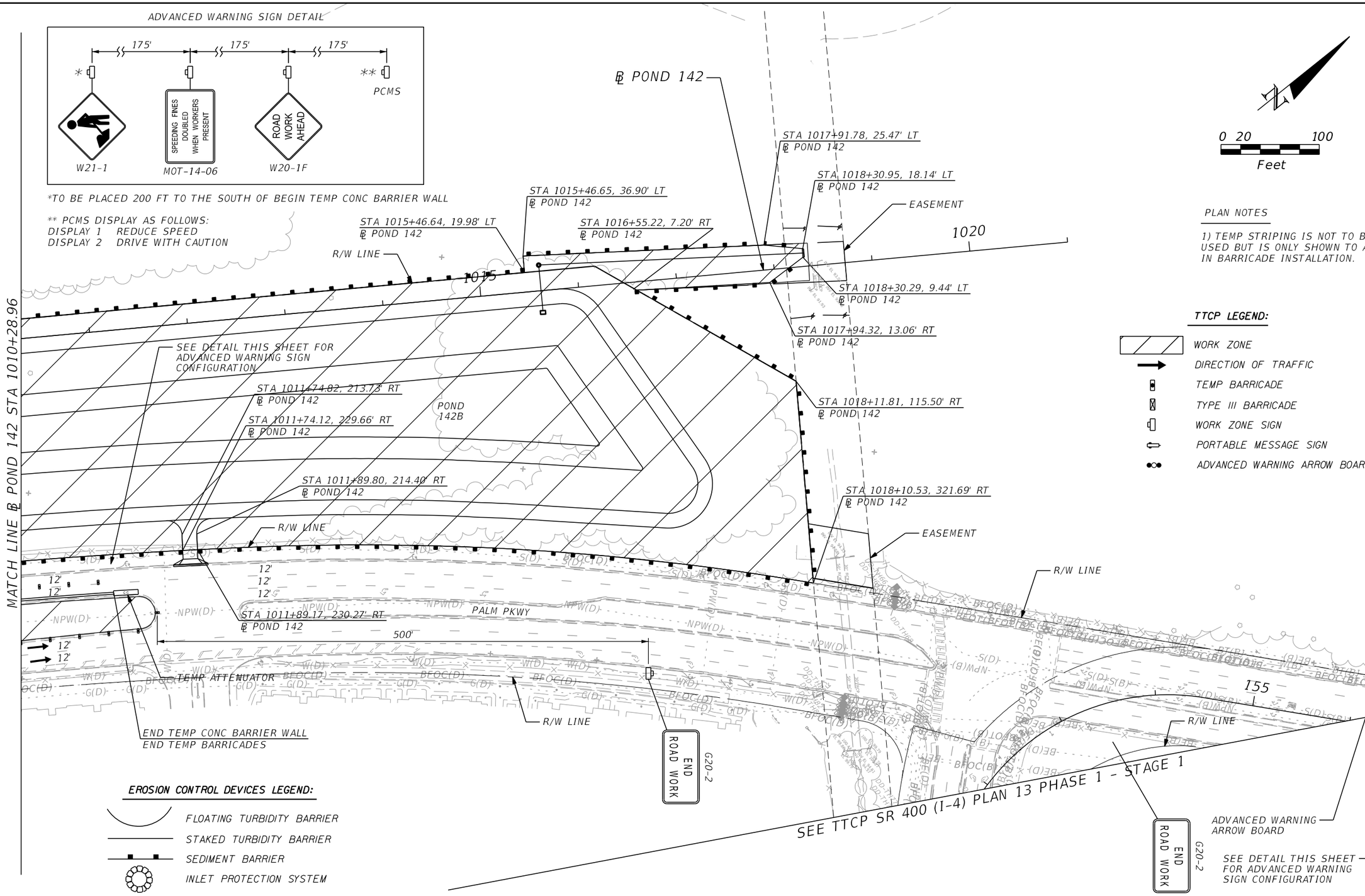
SHEET NO. 554

robert.martini 8/22/2019 1:07:17 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD19_P1S1_B.dgn

ADVANCED WARNING SIGN DETAIL

*TO BE PLACED 200 FT TO THE SOUTH OF BEGIN TEMP CONC BARRIER WALL

** PCMS DISPLAY AS FOLLOWS:
DISPLAY 1 REDUCE SPEED
DISPLAY 2 DRIVE WITH CAUTION



0 20 100
Feet

PLAN NOTES

1) TEMP STRIPING IS NOT TO BE USED BUT IS ONLY SHOWN TO AID IN BARRICADE INSTALLATION.

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP PALM PKWY - PLAN 5 PHASE 1 - STAGE 1B

SHEET NO. 555

robert.martini 8/22/2019 1:07:23 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD20_P151_B.dgn

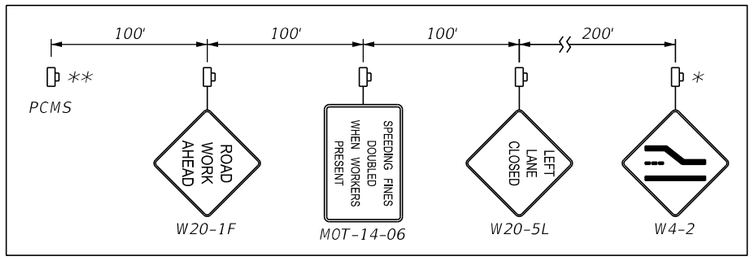
TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

ADVANCED WARNING SIGN DETAIL



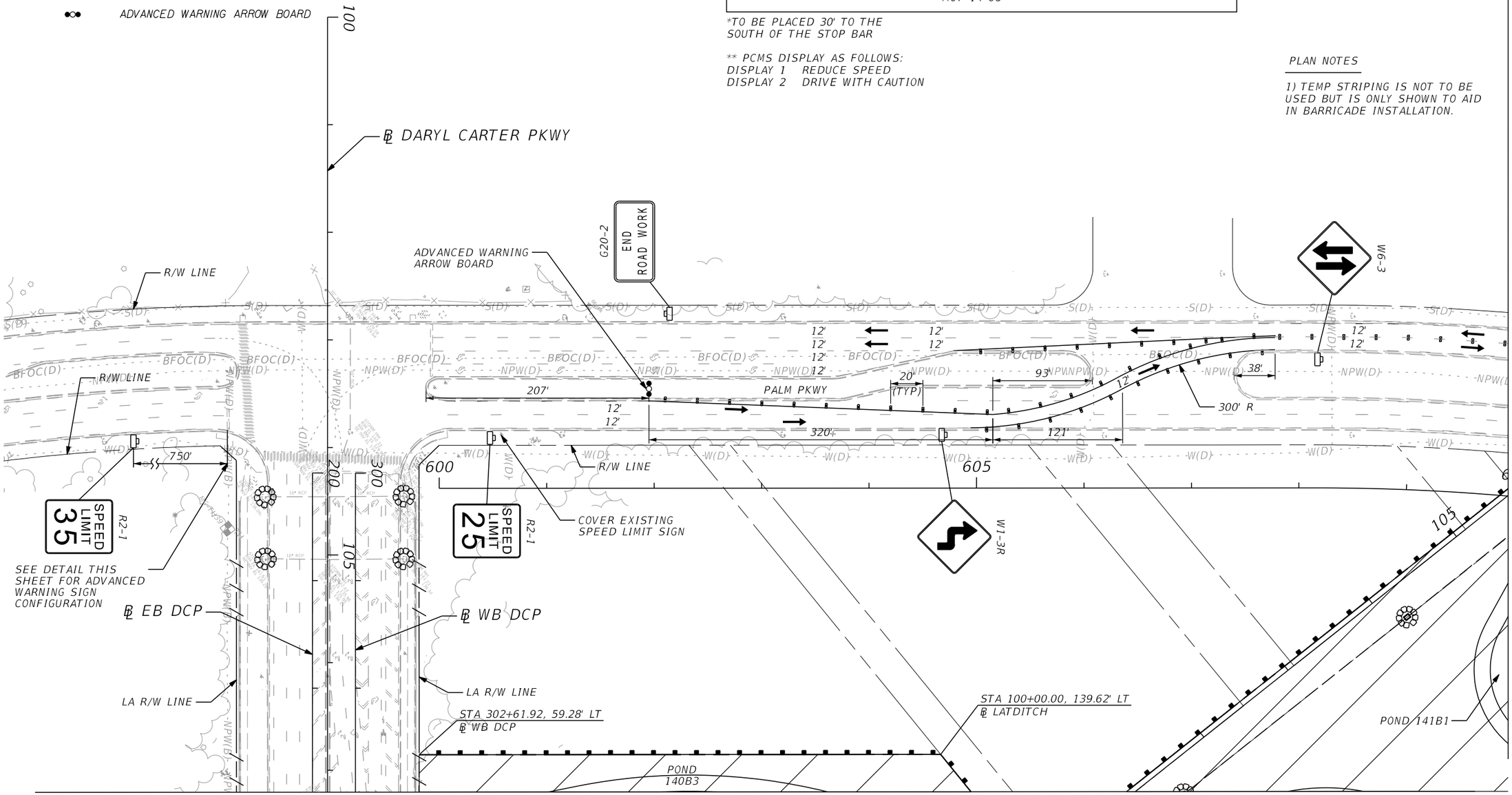
*TO BE PLACED 30' TO THE SOUTH OF THE STOP BAR

** PCMS DISPLAY AS FOLLOWS:
DISPLAY 1 REDUCE SPEED
DISPLAY 2 DRIVE WITH CAUTION

0 20 100
Feet

PLAN NOTES

1) TEMP STRIPING IS NOT TO BE USED BUT IS ONLY SHOWN TO AID IN BARRICADE INSTALLATION.



MATCH LINE ℄ POND 141 STA 609+95.00

SEE TTCP SR 400 (I-4) - PLAN 9 PHASE 1 - STAGE 1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP PALM PKWY - PLAN 1 PHASE 1 - STAGE 1C

SHEET NO. 556

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

0 20 100
Feet

MATCH LINE ℄ POND 141 STA 609+95.00

STA 610+28.34, 40.00' LT
℄ POND141

℄ POND141

R/W LINE

STA 613+98.64, 40.00' LT
℄ POND141

STA 613+96.43, 16.44' LT
℄ POND141

STA 614+13.41, 40.00' LT
℄ POND141

STA 614+11.25, 15.06' LT
℄ POND141

10

615

620

12'
12'

PALM PKWY

R/W LINE

20'
(TYP)

POND
141B1

POND
141B2

POND
141B3

MATCH LINE ℄ POND 141 STA 624+24.00

SEE TTCP SR 400 (I-4) - PLAN 9 & 10 PHASE 1 - STAGE 1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP PALM PKWY - PLAN 2
PHASE 1 - STAGE 1C

SHEET NO. 557

robert.martini 8/22/2019 1:07:34 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD17_P1S1_C.dgn

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

0 20 100
Feet

MATCH LINE ℄ POND 141 STA 624+24.00

MATCH LINE ℄ POND 141 STA 638+24.00

R/W LINE

12'
12'

20'
(TYP)

PALM PKWY

℄ POND141

R/W LINE

STA 637+62.89, 40.00' LT
℄ POND141
STA 637+63.25, 49.19' LT
℄ POND141
STA 637+19.66, 49.23' LT
℄ POND141
STA 637+19.38, 40.00' LT
℄ POND141

625
630
635

POND
141B3

POND FPC 141

SEE TTCP SR 400 (I-4) - PLAN 10 & 11 PHASE 1 - STAGE 1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

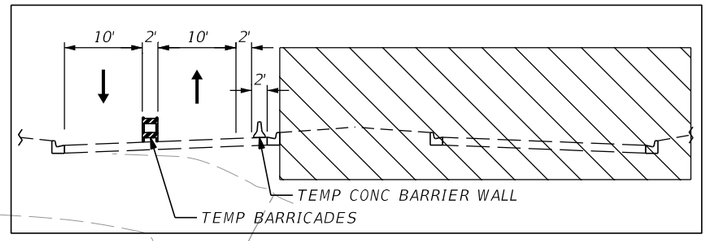
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP PALM PKWY - PLAN 3 PHASE 1 - STAGE 1C

SHEET NO. 558

TYPICAL SECTION A-A



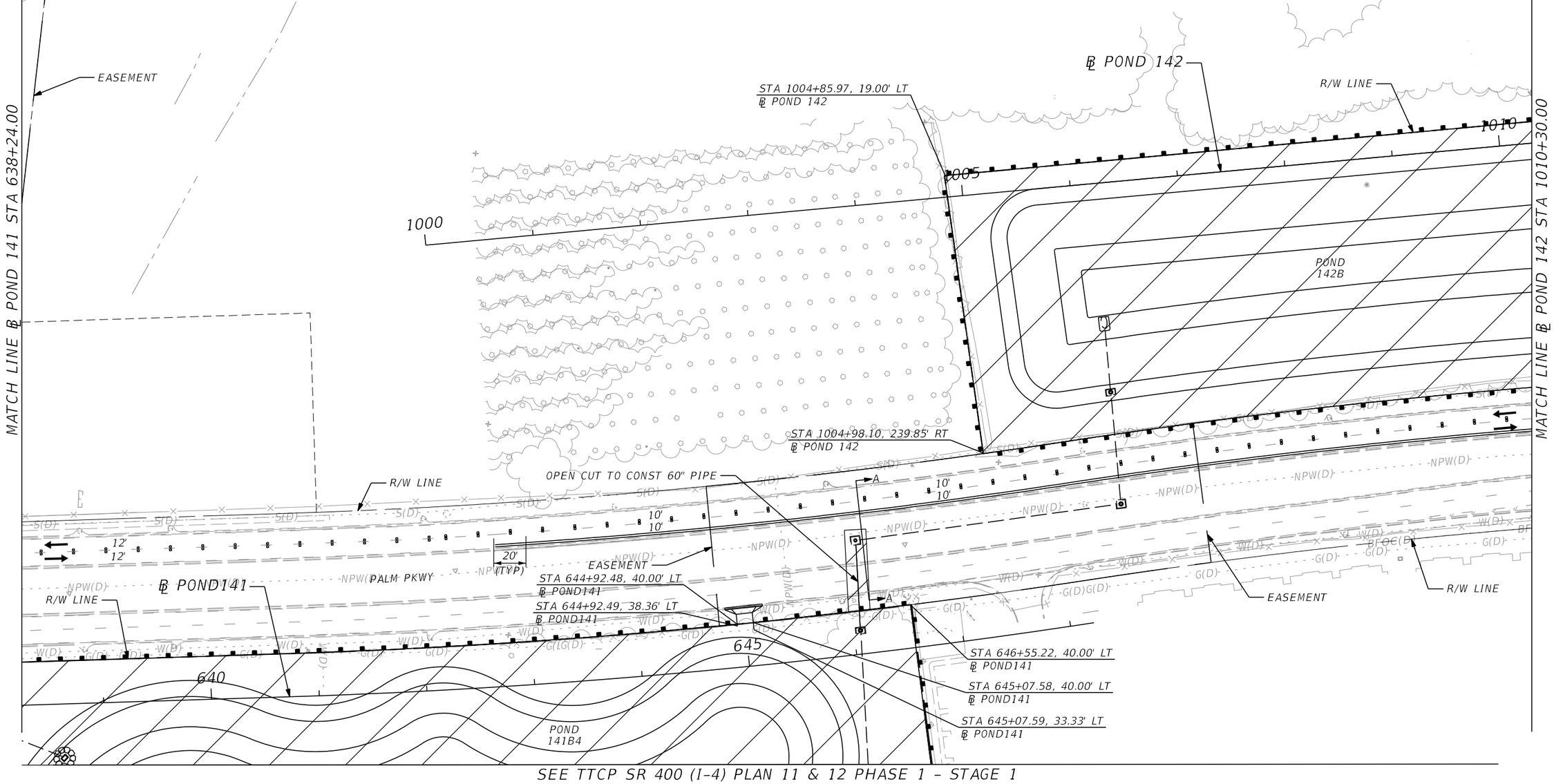
TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

0 20 100
Feet



SEE TTCP SR 400 (I-4) PLAN 11 & 12 PHASE 1 - STAGE 1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

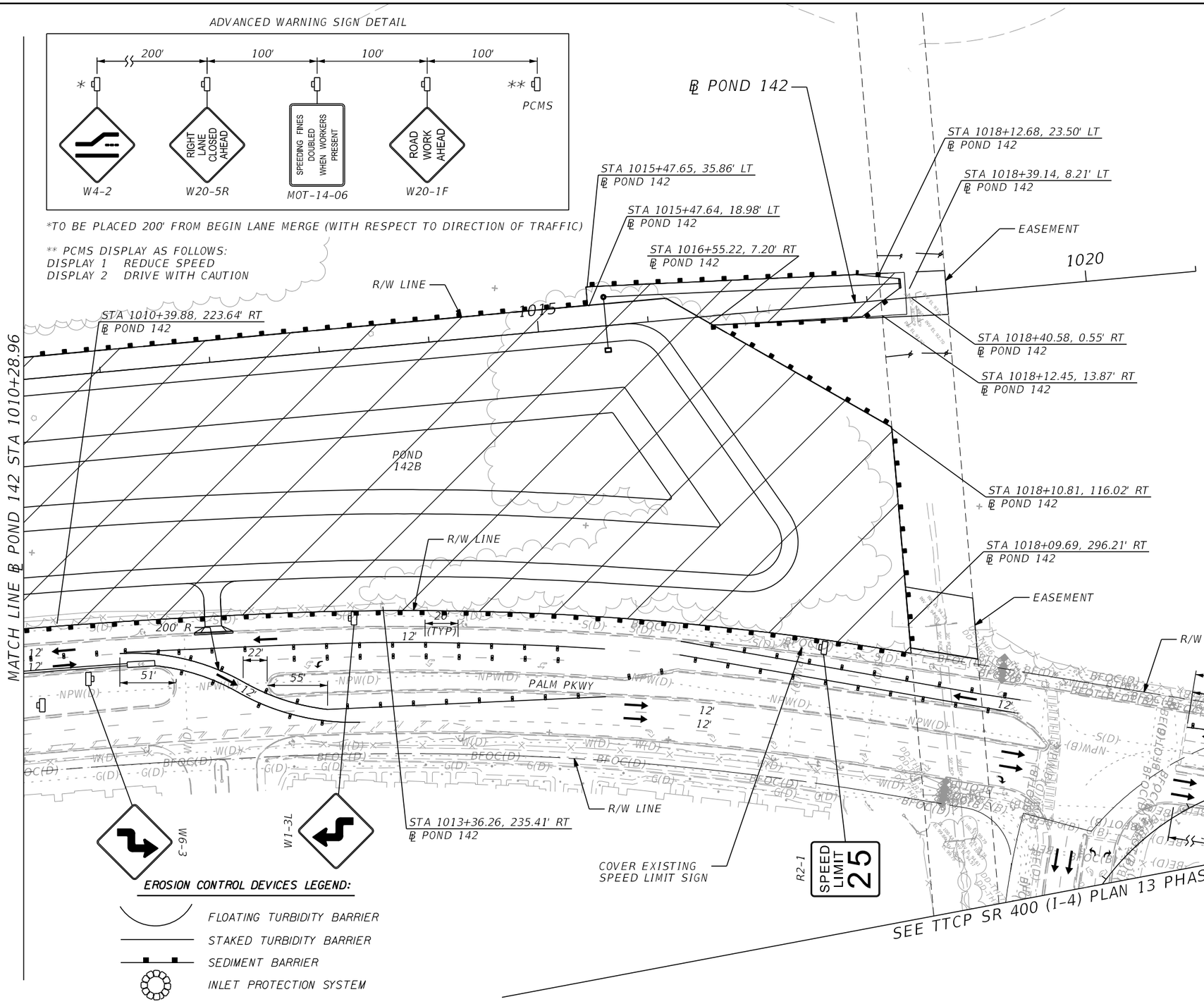
TTCP PALM PKWY - PLAN 4 PHASE 1 - STAGE 1C

SHEET NO. 559

ADVANCED WARNING SIGN DETAIL

*TO BE PLACED 200' FROM BEGIN LANE MERGE (WITH RESPECT TO DIRECTION OF TRAFFIC)

** PCMS DISPLAY AS FOLLOWS:
DISPLAY 1 REDUCE SPEED
DISPLAY 2 DRIVE WITH CAUTION



0 20 100
Feet

PLAN NOTES

1) TEMP STRIPING IS NOT TO BE USED BUT IS ONLY SHOWN TO AID IN BARRICADE INSTALLATION.

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP PALM PKWY - PLAN 5 PHASE 1 - STAGE 1C

SHEET NO. 560

robert.martini 8/22/2019 1:07:51 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD20_P151_C.dgn

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

0 20 100
Feet

W1-4d

STA 639+04.52, 303.66' LT
℄ SURVEY SR 400 (I-4)

LA R/W LINE

STA 639+06.31, 292.25' LT
℄ SURVEY SR 400 (I-4)

STA 636+10.76, 217.22' LT
℄ SURVEY SR 400 (I-4)

℄ EB DCP

STA 203+57.54, 94.54' LT
℄ EB DCP

STA 203+65.52, 97.27' RT
℄ EB DCP

STA 304+79.05, 146.49' RT
℄ WB DCP

BEGIN MEDIAN
BEGIN TEMP CONC BARRIER WALL
STA 632+30.00

BEGIN LANE SHIFT
STA 632+30.00

POND
140B1

12'
12'
12'
12'

12'
11'
11'
11'

635

640

END LANE SHIFT
STA 636+88.00

TEMP CONC BARRIER WALL

EDGE OF TEMP PAVEMENT

℄ SURVEY SR 400 (I-4)

MATCH LINE SR 400 (I-4) STA 645+00.00

℄ DARYL CARTER PKWY

505

510

515

℄ RAMP IB_DCP

℄ WB DCP

TEMP CONC
BARRIER WALL

LA R/W LINE

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

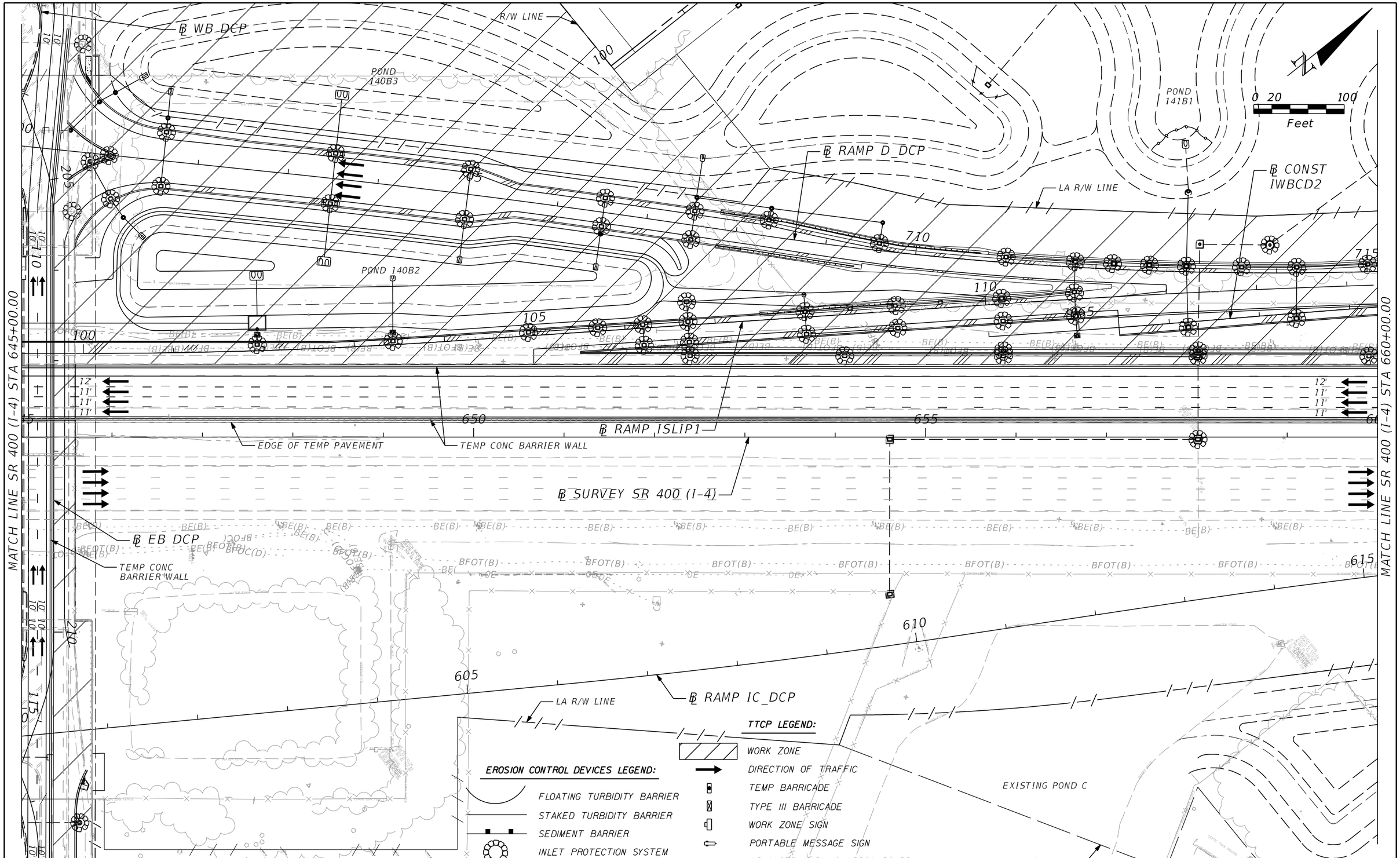
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 8
PHASE 1 - STAGE 2

SHEET NO. 561

robert.martini 8/22/2019 1:07:58 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD08_P1S2.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

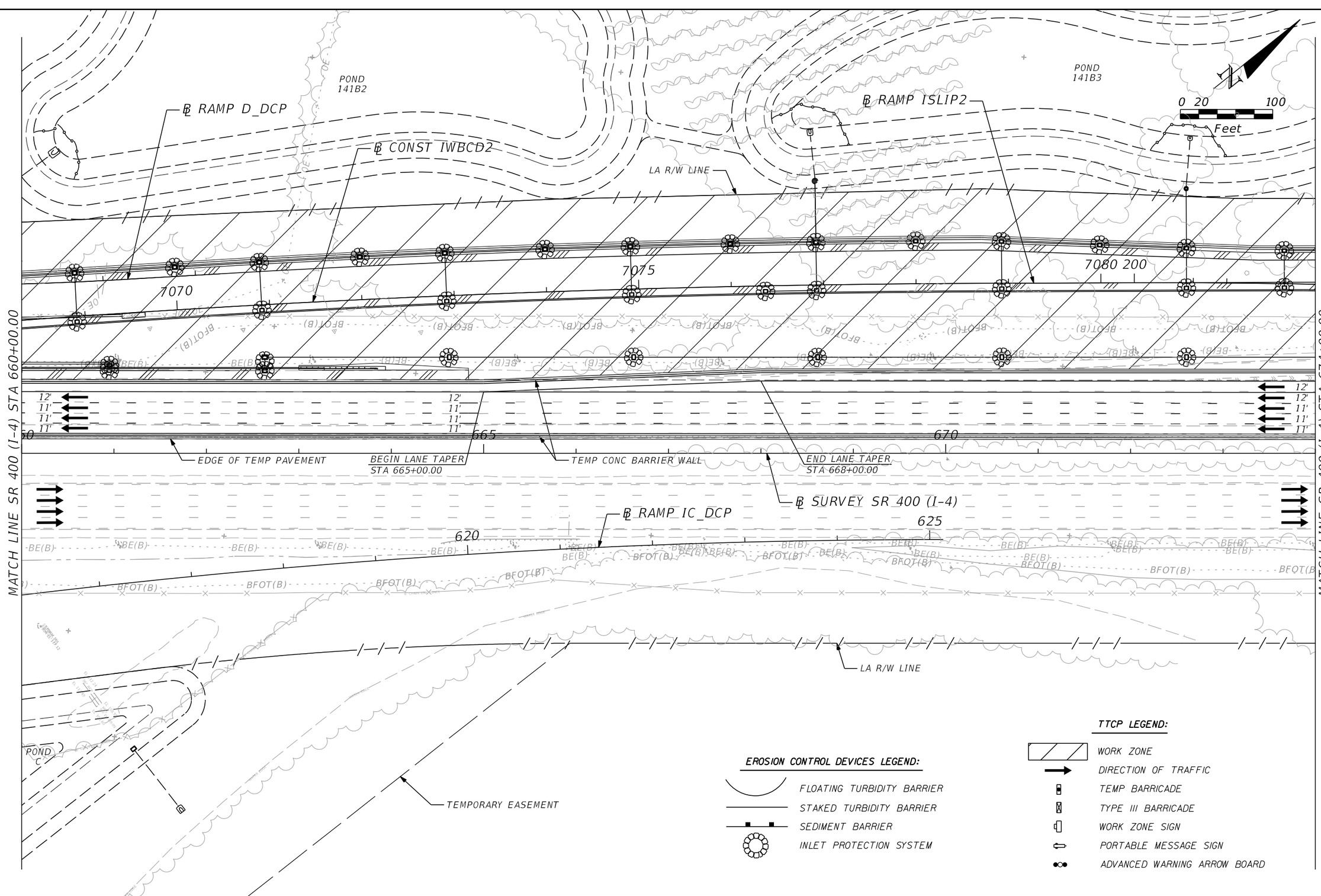
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 9
PHASE 1 - STAGE 2

SHEET NO.
562



EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL, 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

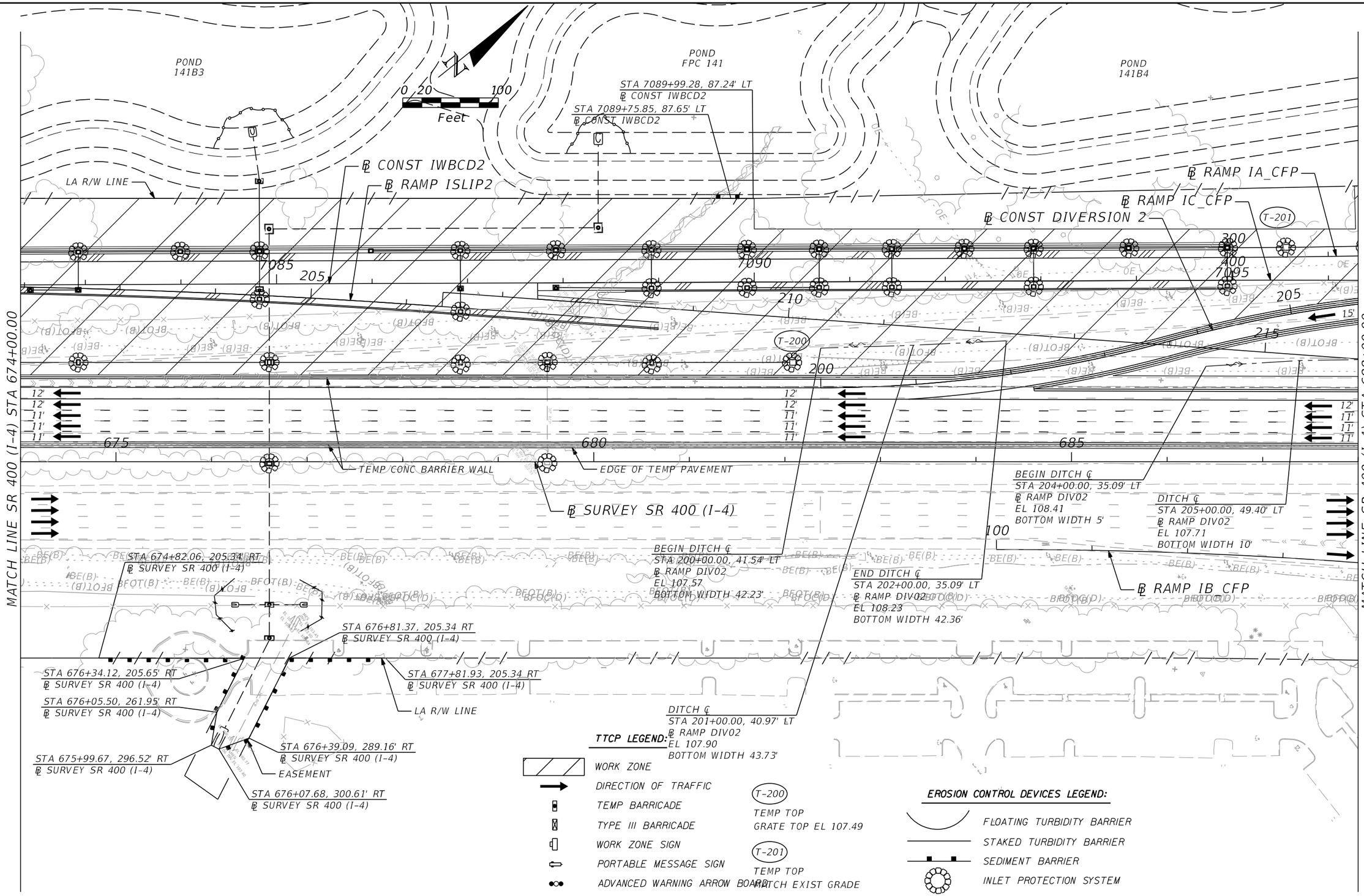
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 10
PHASE 1 - STAGE 2

SHEET NO. 563

robert.martini 8/22/2019 1:08:09 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD10_P1S2.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 11
PHASE 1 - STAGE 2

SHEET NO.
564

robert.martini 8/22/2019 1:08:15 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD11_P1S2.dgn

℄ RAMP IA_CFP
POND
141B4
R/W LINE
STA 305+99.87, 20.46' LT
℄ CONST IWBCD2
STA 310+36.97, 32.77' LT
℄ CONST IWBCD2
TEMP CONC BARRIER WALL
END LANE SHIFT
BEGIN TEMP CONC BARRIER WALL
STA 104+63.00
BEGIN LANE SHIFT
STA 103+63.00
0 20 100
Feet
LA R/W LINE
JACK AND BORE
UNDER RAMP DIV02
T-202
℄ CONST DIVERSION 2
℄ RAMP IC_CFP
305
310
405
15'
TEMP ATTENUATOR
CONST 103' OF 30" PIPE
T-203
105
DIV011
100
12'
11'
11'
11'
690
695
700
℄ RAMP ISLIP2
TEMP CONC BARRIER WALL
EDGE OF TEMP PAVEMENT
℄ CONST DIVERSION 1
END DITCH ℄
STA 206+00.00, 60.96' LT
℄ RAMP DIV02
EL 107.01
BOTTOM WIDTH 5'
105
℄ SURVEY SR 400 (I-4)
BEGIN LANE SHIFT
STA 700+05.00
END TEMP CONC BARRIER WALL
STA 701+50.00
TEMP ATTENUATOR
MATCH LINE SR 400 (I-4) STA 688+00.00
MATCH LINE SR 400 (I-4) STA 702+00.00
℄ RAMP IB_CFP
LA R/W LINE

T-202
CONST GUTTER INLET TYPE S
FL 101.00
LOWER PROP STRUCT BOT FOR TEMP PIPE CONNECTION

T-203
CONST TEMP DBI
TOP EL 106.88
FL 101.99

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 12
PHASE 1 - STAGE 2

SHEET NO. 565

robert.martini 8/22/2019 1:08:20 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD12_P1S2.dgn

℄ CONST DIVERSION 1
EASEMENT
R/W LINE
LA R/W LINE
TEMPORARY EASEMENT
END ℄ CONST DIVERSION 1 STA 110+87.79
℄ SURVEY TURKEY LAKE ROAD STA 148+34.04, 100.00' LT
TEMP CONC BARRIER WALL
LA R/W LINE
TEMP ATTENUATOR
END TEMP CONC BARRIER WALL
STA 110+75.00
MATCH LINE SR 400 (I-4) STA 702+00.00
END LANE SHIFT
STA 704+62.00
12'
12'
12'
12'
TEMP CONC
BARRIER WALL
EDGE OF TEMP
PAVEMENT
W1-4d
END TEMP CONC
BARRIER WALL
STA 704+62.00
EASEMENT
LA R/W LINE
WB CENTRAL FLORIDA PKWY
EB CENTRAL FLORIDA PKWY
R/W LINE
R/W LINE
LA R/W LINE
0 20 100
Feet
℄ SURVEY SR 400 (I-4)
℄ SURVEY TURKEY LAKE ROAD
℄ SURVEY CENTRAL FLORIDA PKWY
LA R/W LINE
150
110
705
710
715
30

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

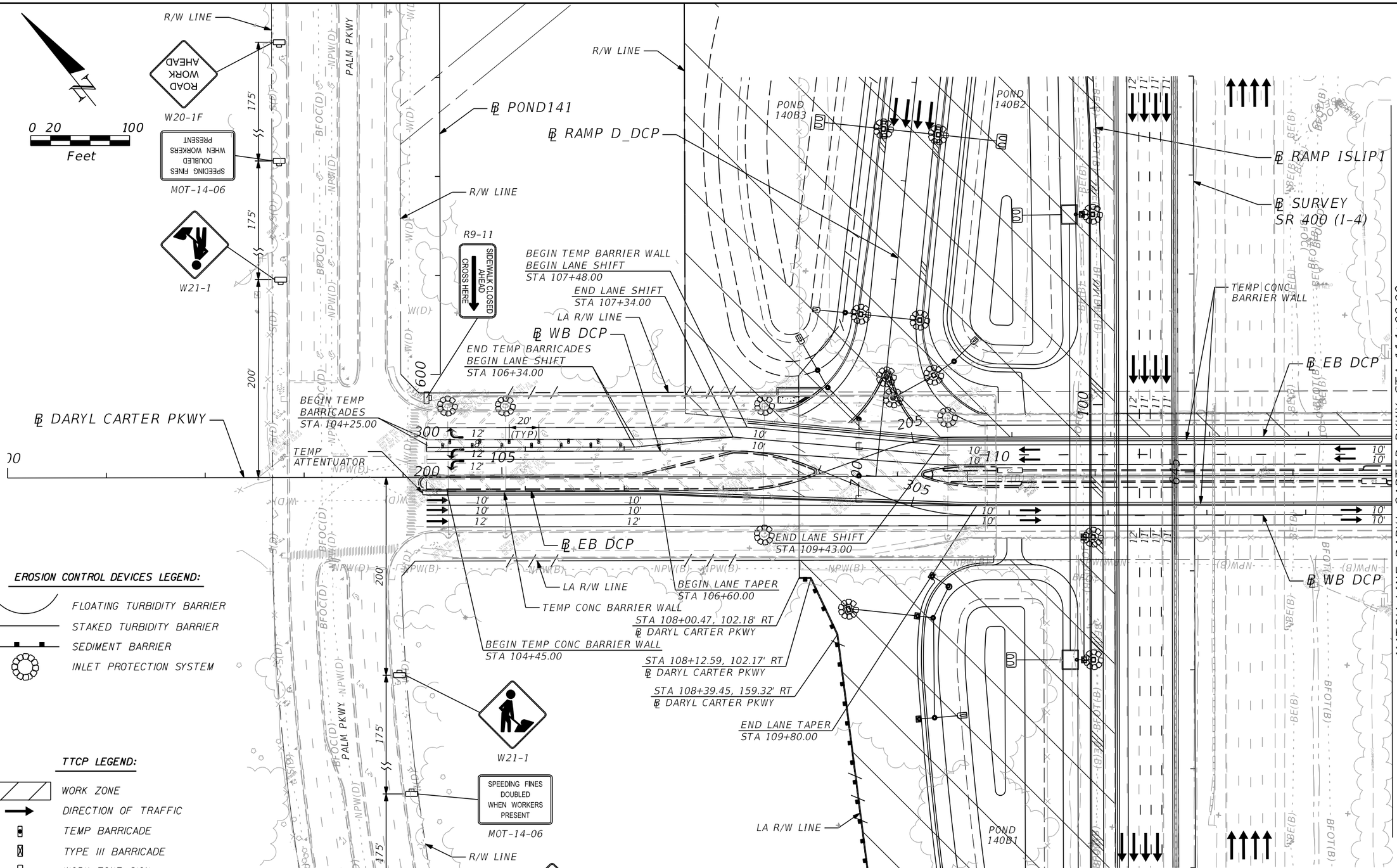
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 13
PHASE 1 - STAGE 2

SHEET NO. 566



EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

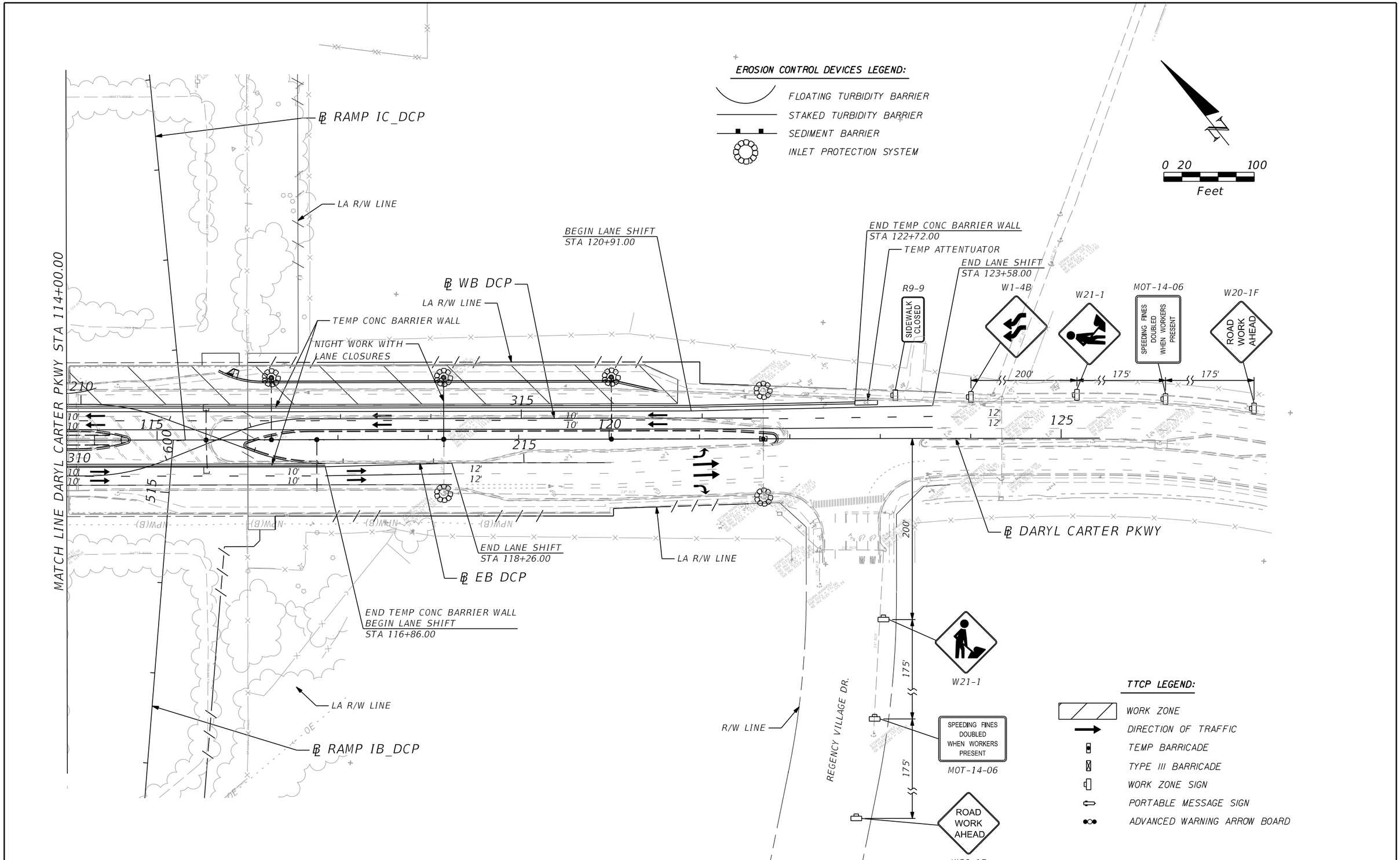
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP DARYL CARTER PKWY - PLAN 1 PHASE 1 - STAGE 2

SHEET NO. 567

robert.martini 8/22/2019 1:08:34 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD14_P1S2.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

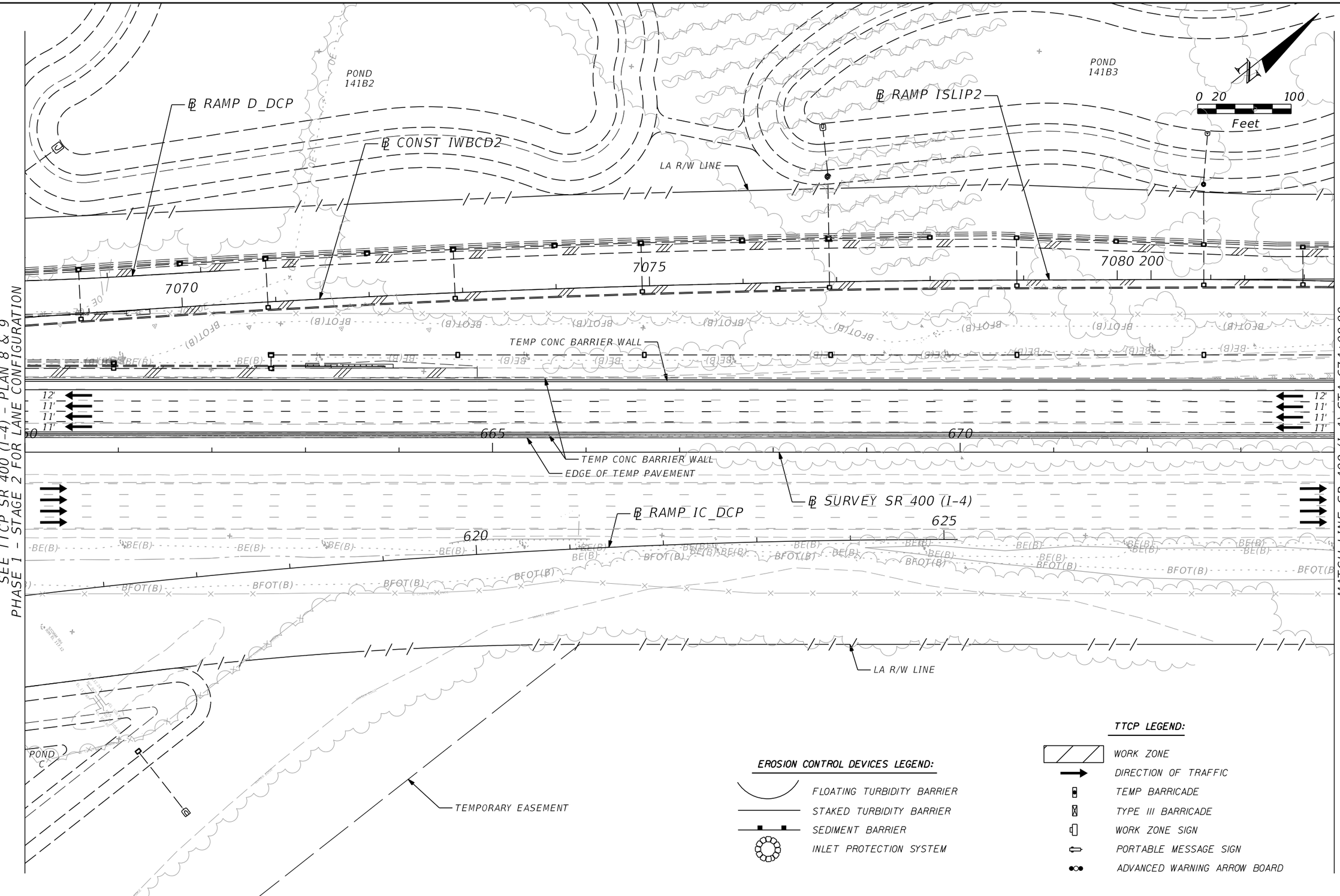
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP DARYL CARTER PKWY - PLAN 2 PHASE 1 - STAGE 2

SHEET NO. 568



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

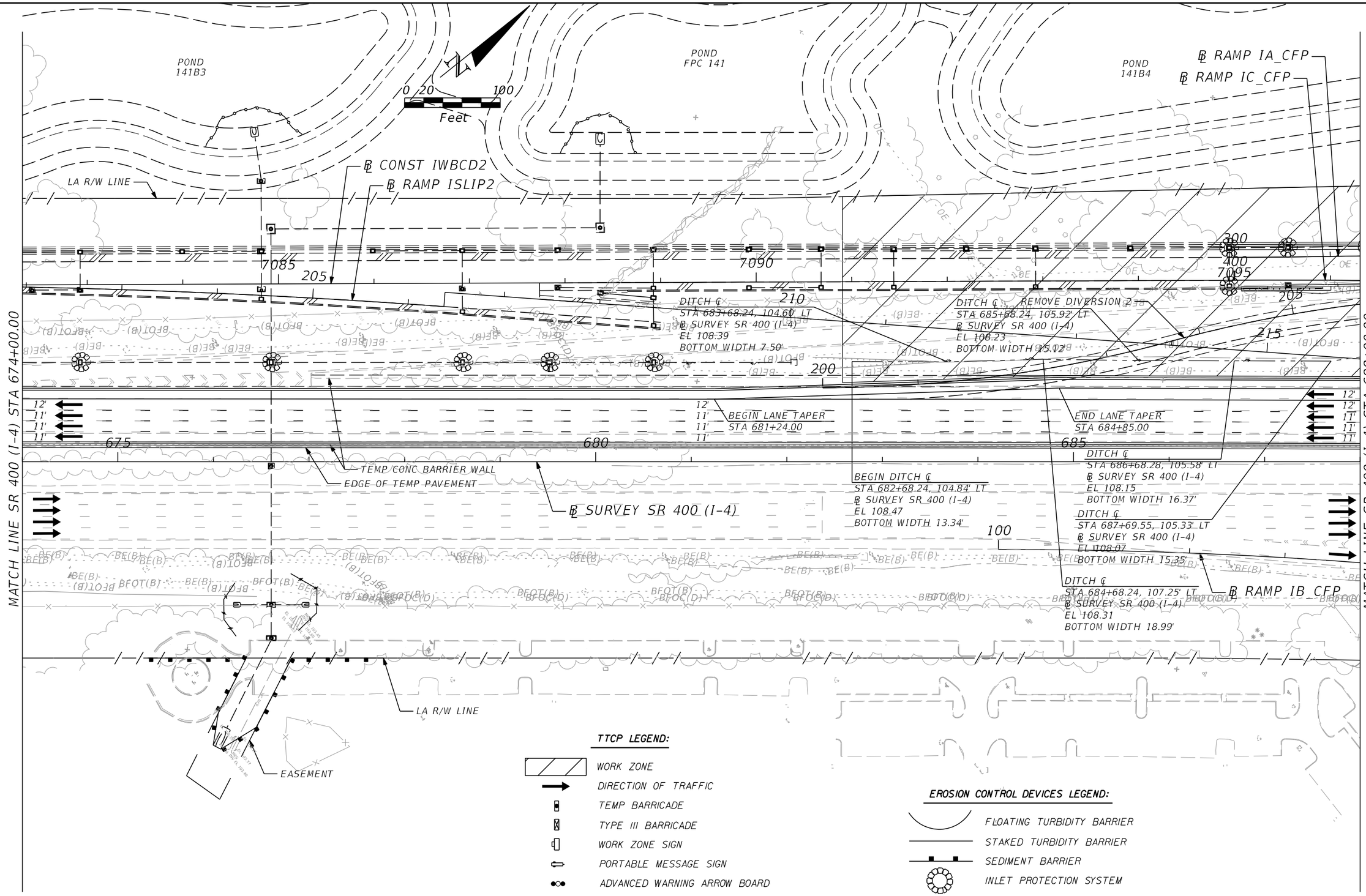
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 10
PHASE 1 - STAGE 3

SHEET NO. 569

robert.martini 8/22/2019 1:08:47 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD10_P1S3.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL, 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

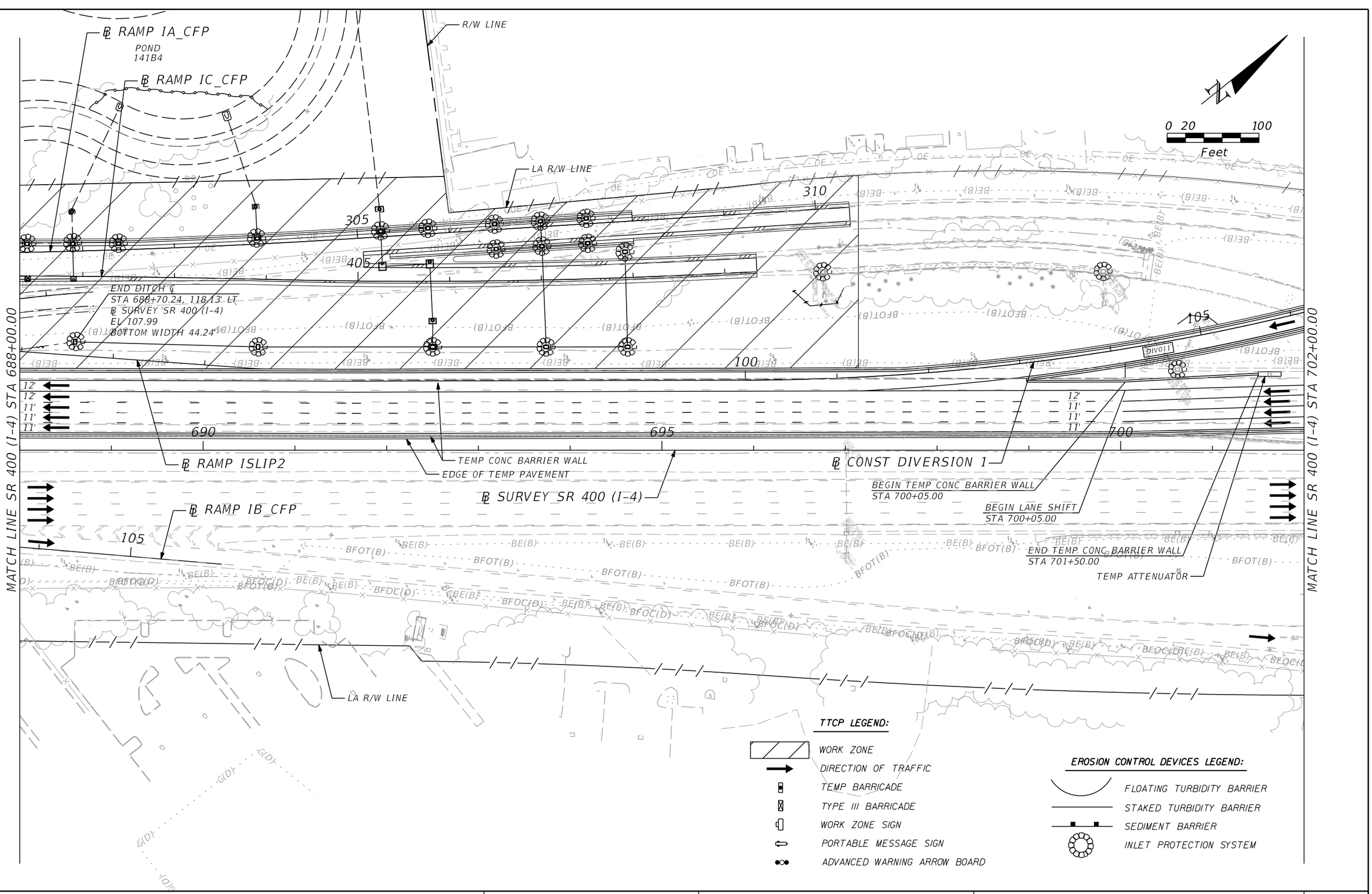
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 11
PHASE 1 - STAGE 3

SHEET NO. 570

robert.martini 8/22/2019 1:08:53 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD11_P1S3.dgn



TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

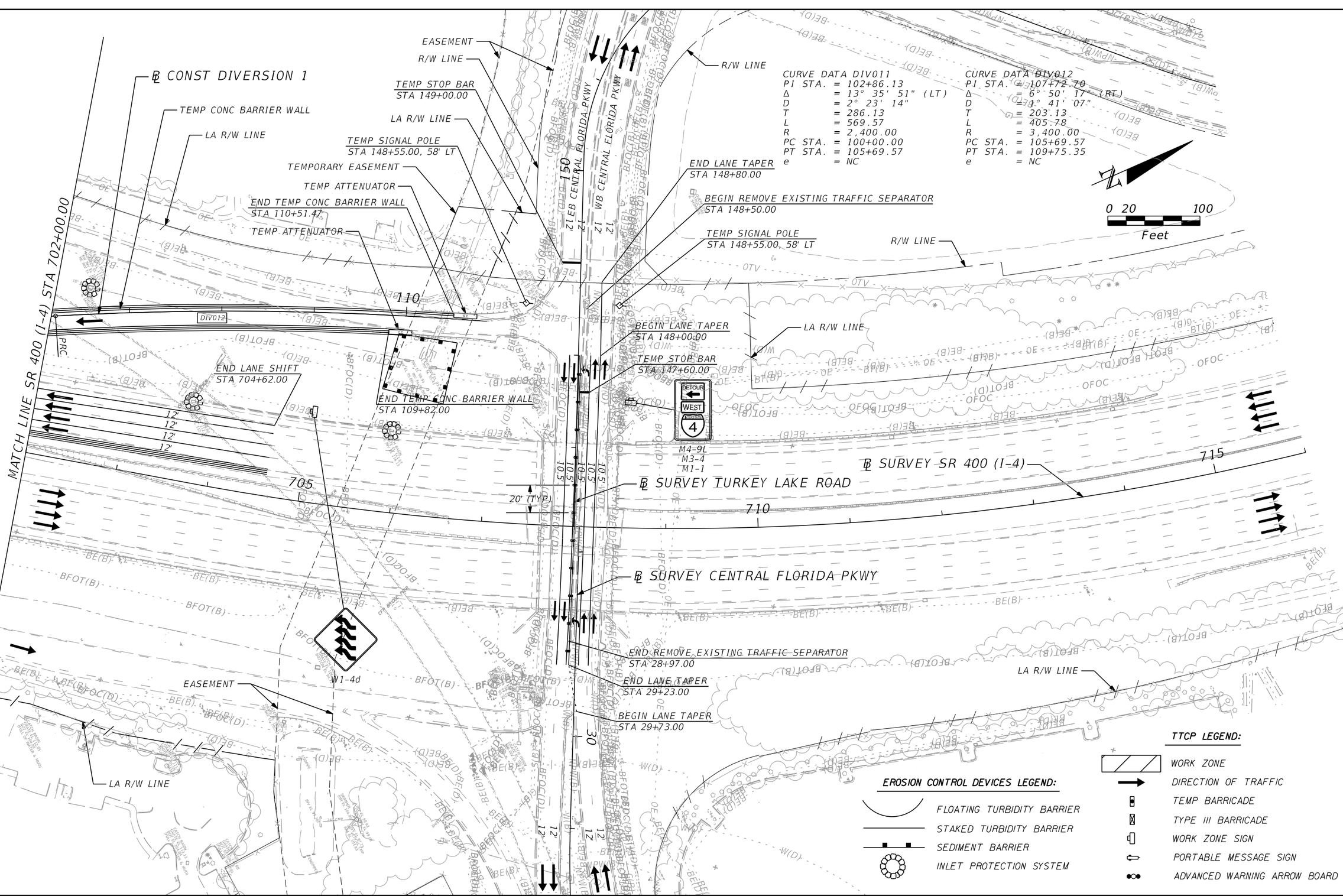
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 12
PHASE 1 - STAGE 3

SHEET NO. 571

robert.martini 8/22/2019 1:08:59 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD12_P1S3.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

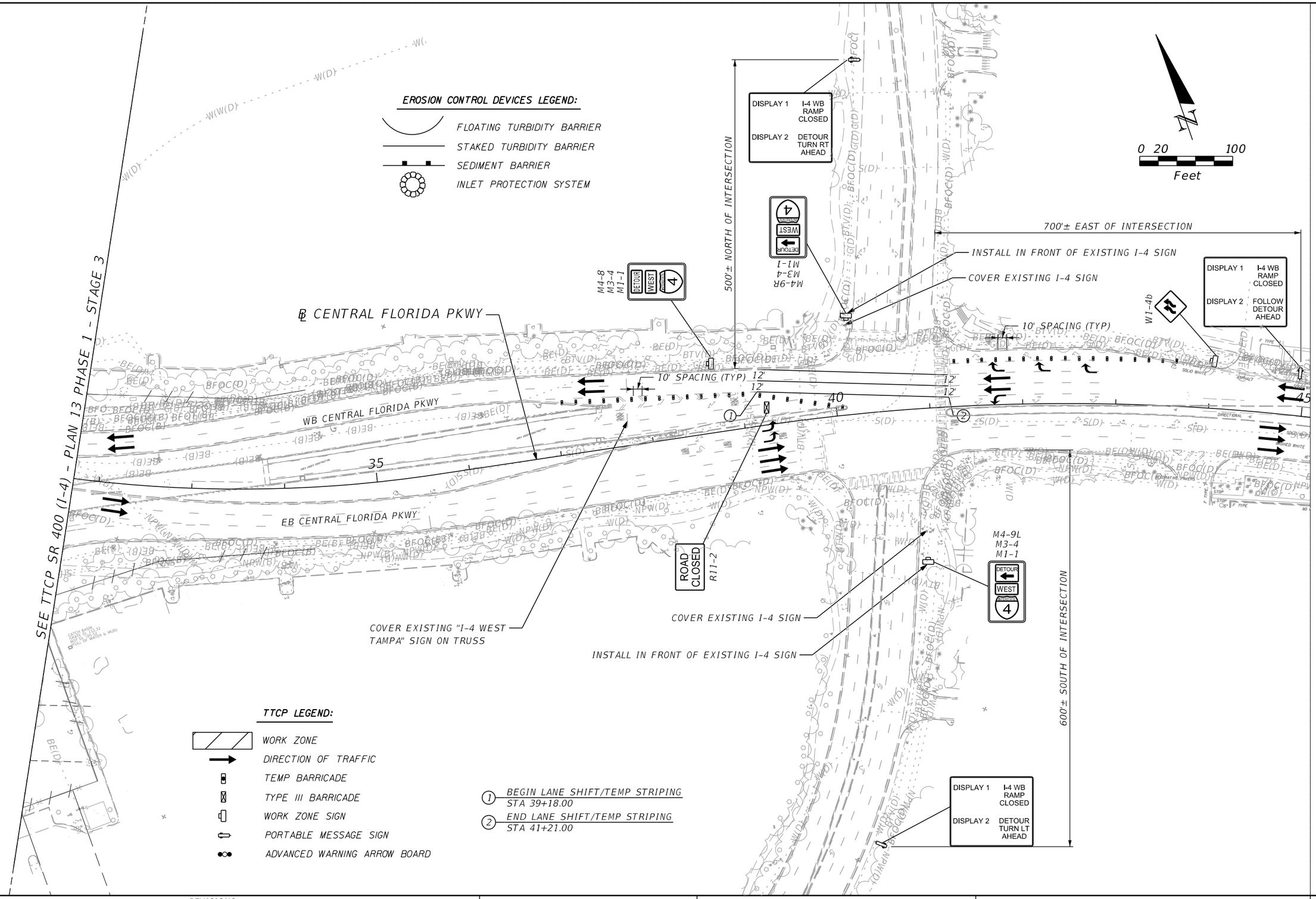
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 13
PHASE 1 - STAGE 3

SHEET NO. 572

robert.martini 8/22/2019 1:09:05 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD13_P1S3.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Thomas J. Barry, P.S.M.
Florida Certificate No. 4695
Surveyor Business LB 7860
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

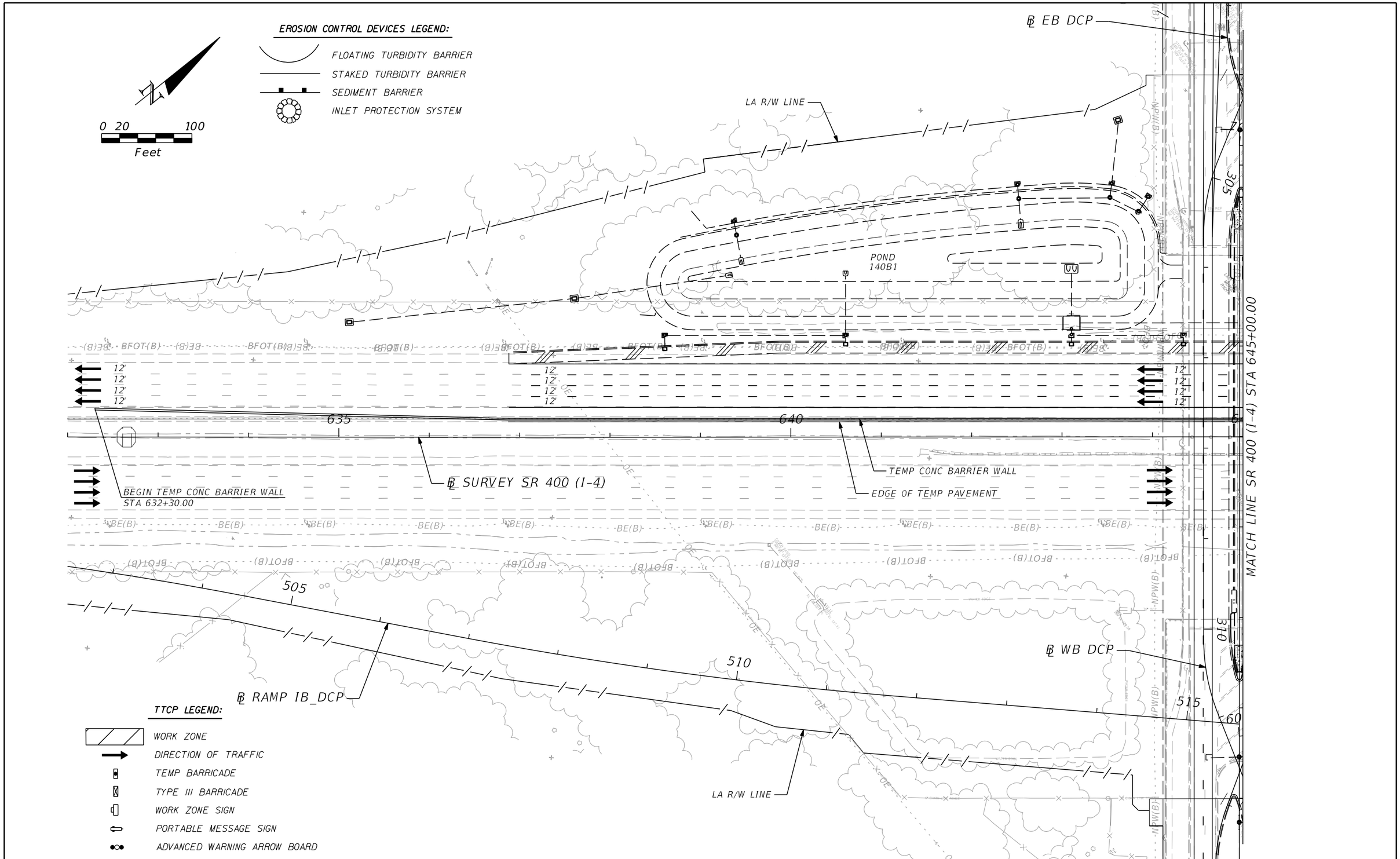
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP CENTRAL FL PKWY - PLAN 1 PHASE 1 - STAGE 3

SHEET NO. 573

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:09:13 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD21_P1S3.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 8
PHASE 1 - STAGE 4

SHEET NO.
574

robert.martini 8/22/2019 1:09:21 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD08_P1S4.dgn

MATCH LINE SR 400 (I-4) STA 645+00.00

MATCH LINE SR 400 (I-4) STA 660+00.00

℄ WB DCP

R/W LINE

POND 140B3

POND 140B2

POND 141B1

0 20 100 Feet

℄ RAMP D_DCP

℄ CONST IWBCD2

LA R/W LINE

100' (TYP)

℄ RAMP ISLIP1

12'
11'
11'
11'

12'
12'
12'
12'

℄ EB DCP

TEMP CONC BARRIER WALL

EDGE OF TEMP PAVEMENT

℄ SURVEY SR 400 (I-4)

BEGIN LANE SHIFT
STA 658+42.73

℄ RAMP IC_DCP

LA R/W LINE

LA R/W LINE

EXISTING POND C

POND C

TEMPORARY EASEMENT

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 9
PHASE 1 - STAGE 4

SHEET NO. 575

robert.martini 8/22/2019 1:09:30 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD09_P1S4.dgn

POND 141B2

℄ RAMP D_DCP

℄ CONST IWBCD2

POND 141B3

℄ RAMP ISLIP2

0 20 100
Feet

LA R/W LINE

TEMP BARRICADE (TYP)

100' (TYP)

7070

7075

7080.200

12'

BEGIN TEMP CONC BARRIER WALL
STA 663+00.00

12'
12'
12'
12'

665

670

12'
11'
11'
11'

END LANE SHIFT
STA 663+00.74

TEMP CONC BARRIER WALL

EDGE OF TEMP PAVEMENT

℄ SURVEY SR 400 (I-4)

MATCH LINE SR 400 (I-4) STA 660+00.00

MATCH LINE SR 400 (I-4) STA 674+00.00

620

625

℄ RAMP IC_DCP

LA R/W LINE

POND C

TEMPORARY EASEMENT

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 10
PHASE 1 - STAGE 4

SHEET NO. 576

robert.martini 8/22/2019 1:09:38 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD10_P1S4.dgn

POND 141B3

POND FPC 141

POND 141B4

0 20 100
Feet

℄ CONST IWBCD2

℄ RAMP ISLIP2

℄ RAMP IA_CFP

℄ RAMP IC_CFP

LA R/W LINE

TEMP BARRICADE (TYP)
50' (TYP)

7085
205
7090
210
300
400
7095
215

12'
12'
11'
11'
11'

675
680
685

TEMP CONC BARRIER WALL

EDGE OF TEMP PAVEMENT

℄ SURVEY SR 400 (I-4)

100

℄ RAMP IB_CFP

LA R/W LINE

EASEMENT

MATCH LINE SR 400 (I-4) STA 674+00.00

MATCH LINE SR 400 (I-4) STA 688+00.00

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

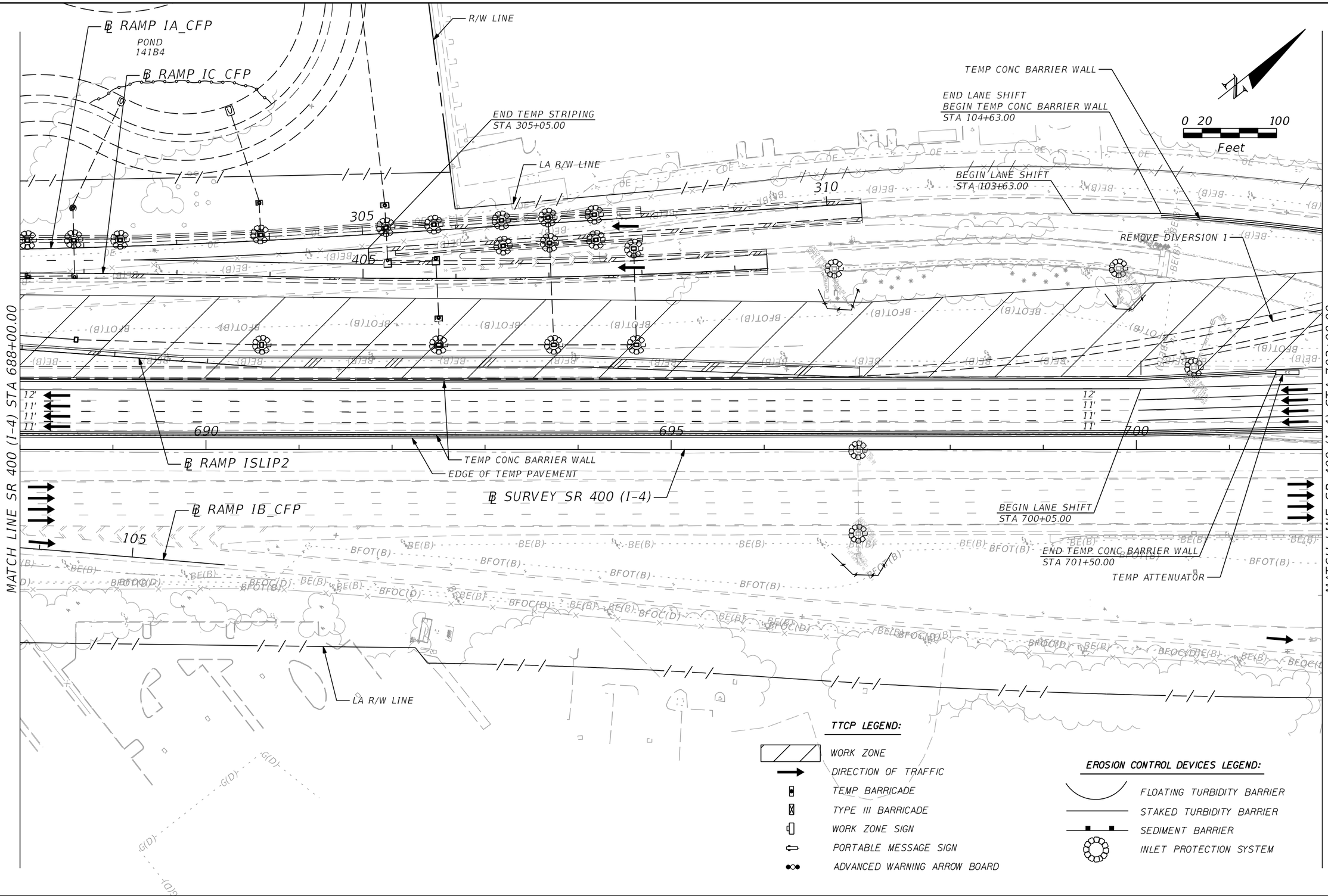
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 11
PHASE 1 - STAGE 4

SHEET NO. 577

robert.martini 8/22/2019 1:09:45 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD11_P1S4.dgn



TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

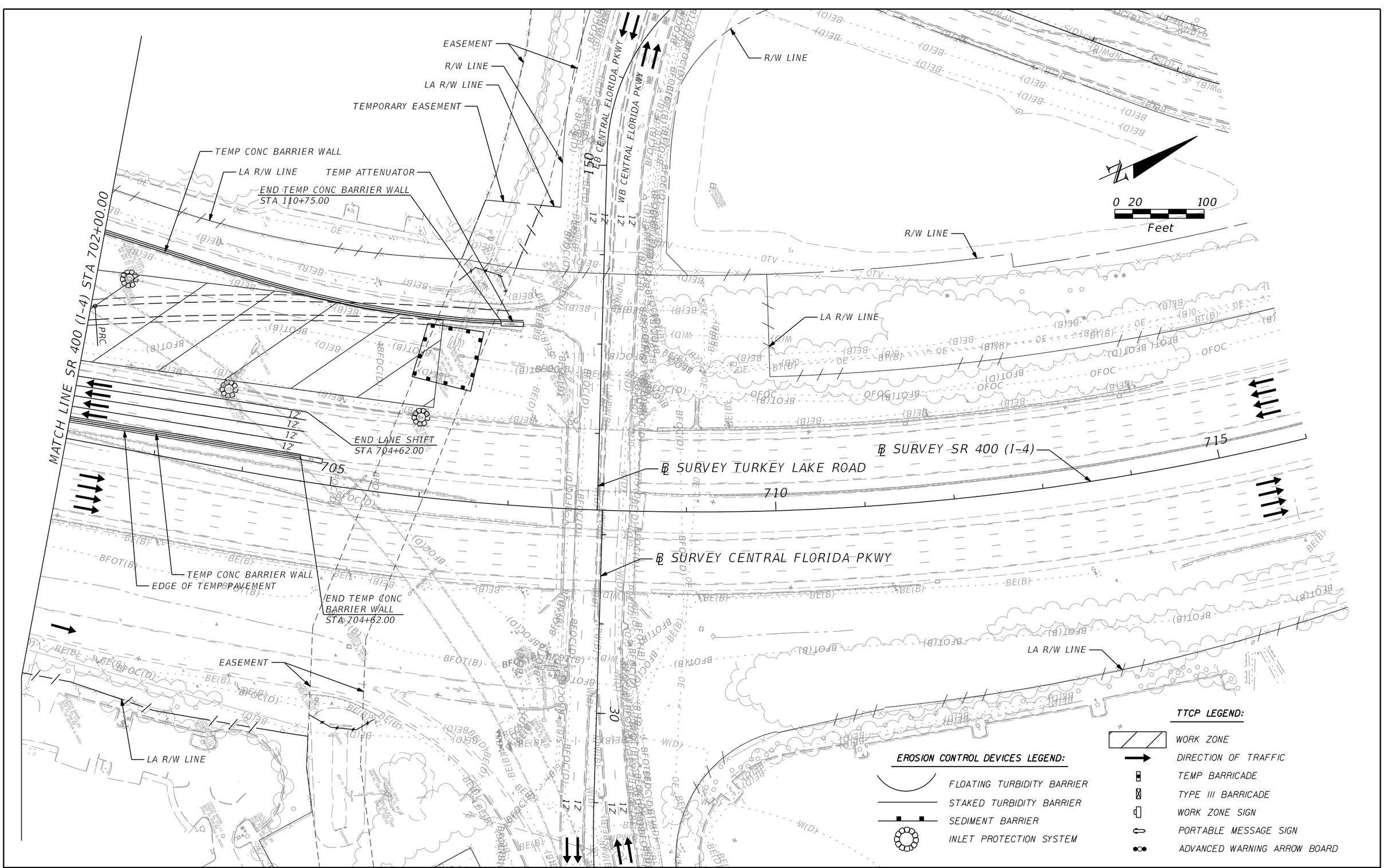
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 12
PHASE 1 - STAGE 4

SHEET NO. 578

robert.martini 8/22/2019 1:09:53 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD12_P1S4.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 13
PHASE 1 - STAGE 4

SHEET NO. 579

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

0 20 100
Feet

535 540 545

12'
12'
12'
12'
12'

BEGIN LANE TAPER
BEGIN TEMP STRIPING
STA 546+40.00

ADVANCE WARNING ARROW BOARD

MATCH LINE SR 400 (I-4) STA 548+00.00

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 1
PHASE 2 - STAGE 1

SHEET NO. 580

robert.martini 8/22/2019 2:37:24 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD01_P2S1.dgn

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

0 20 100
Feet

MATCH LINE SR 400 (I-4) STA 548+00.00

MATCH LINE SR 400 (I-4) STA 562+00.00

℄ SURVEY SR 400 (I-4)

550 555 560

675 680

12' 12' 12' 12'

11' 11' 11' 12'

11' 11' 11'

LA R/W LINE

END LANE TAPER
BEGIN LANE SHIFT
STA 554+40.00

END LANE SHIFT
BEGIN LANE TAPER
STA 558+18.00

TEMP CONC BARRIER WALL

TEMP ATTENUATOR

BEGIN TEMP CONC BARRIER WALL
STA 552+78.98

W1-4d

℄ SURVEY SR 535

SB SR 535

NB SR 535

670

905

910

50' (TYP)

SEE DETAIL THIS SHEET FOR ADVANCED WARNING SIGN CONFIGURATION

TEMP BARRICADES (TYP)

℄ RAMP IC1_535

BEGIN TEMP BARRICADES
STA 906+50.00

LA R/W LINE

ADVANCED WARNING SIGN DETAIL

250' 250'

ROAD WORK AHEAD
W20-1F

SPEEDING FINES DOUBLED WHEN WORKERS PRESENT
MOT-14-06

W21-1 *

*TO BE PLACED AT STA 910+00

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

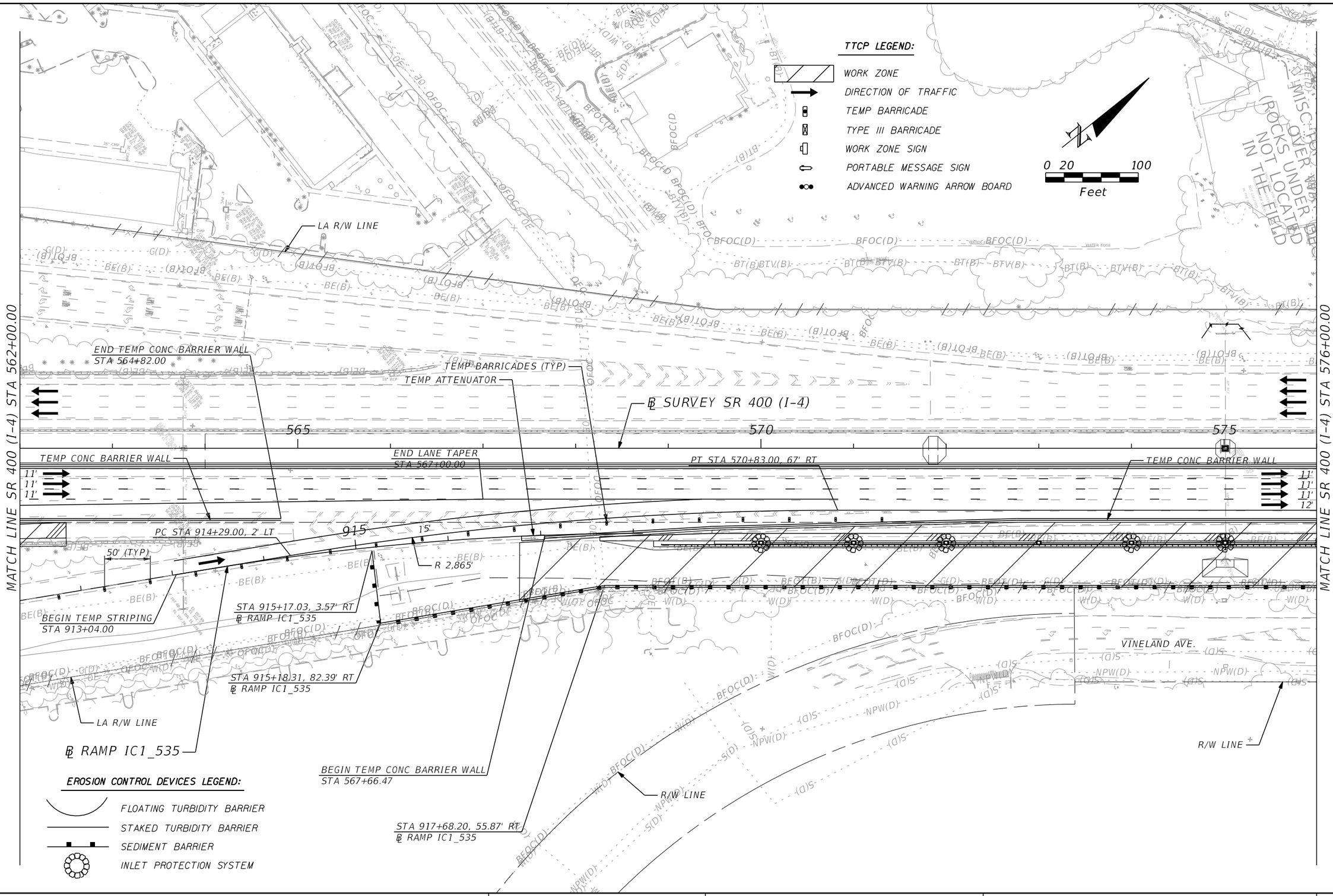
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 2
PHASE 2 - STAGE 1

SHEET NO. 581

robert.martini 8/22/2019 1:10:09 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD02_P251.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

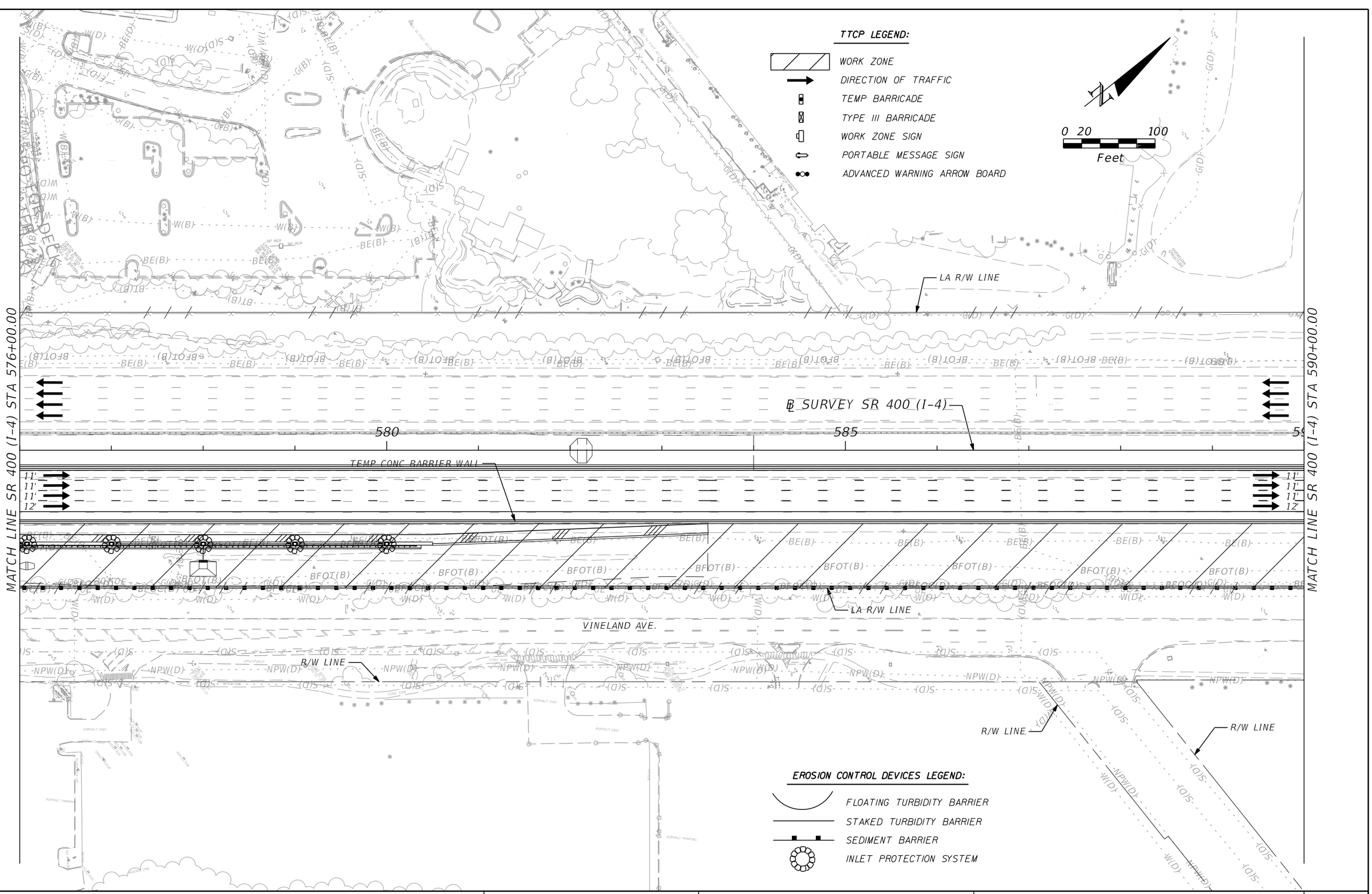
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 3
PHASE 2 - STAGE 1

SHEET NO. 582

robert.martini 8/22/2019 1:10:17 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD03_P2S1.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

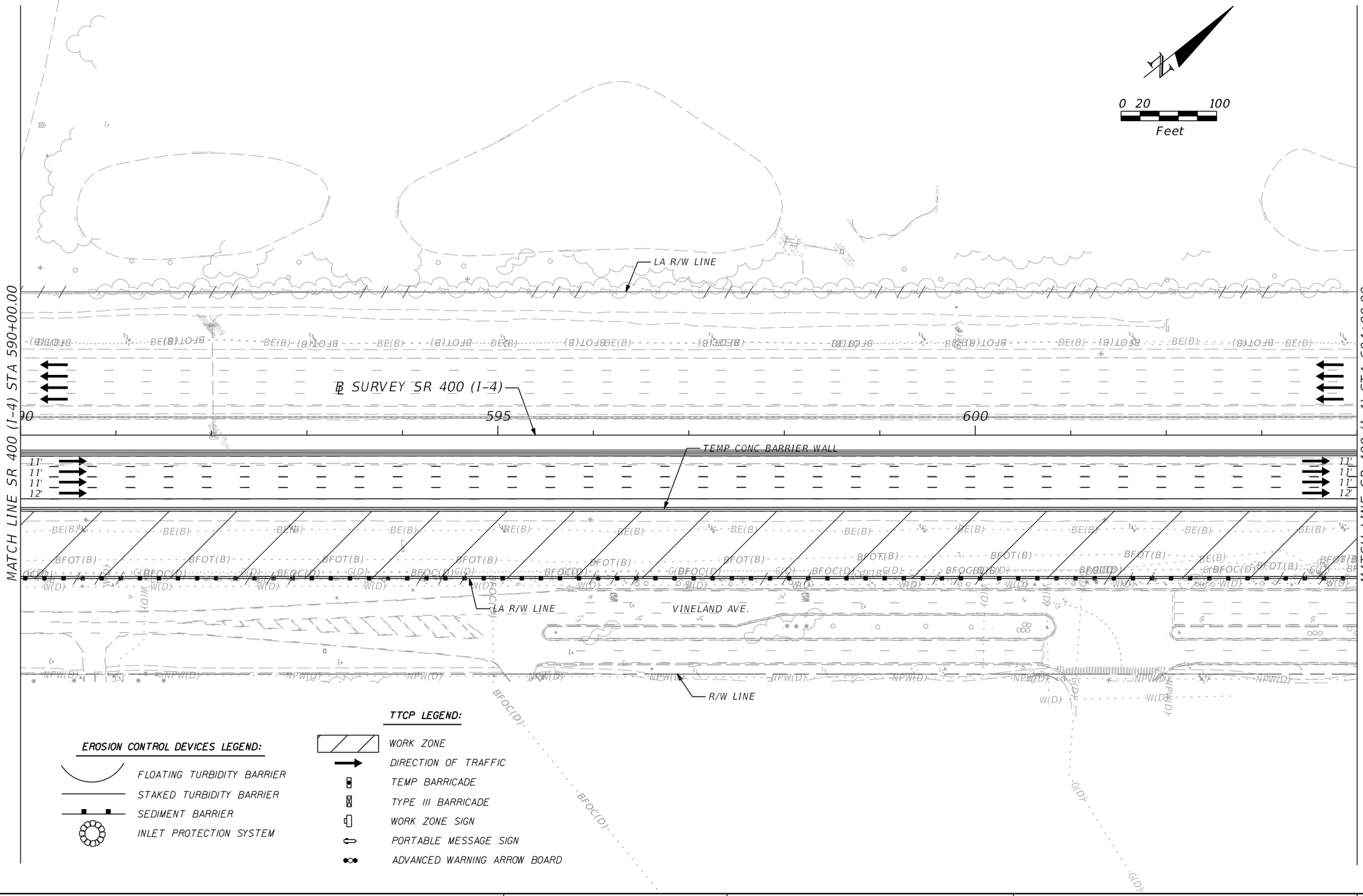
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 4
PHASE 2 - STAGE 1

SHEET NO. 583

robert.martini 8/22/2019 1:10:24 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD04_P2S1.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

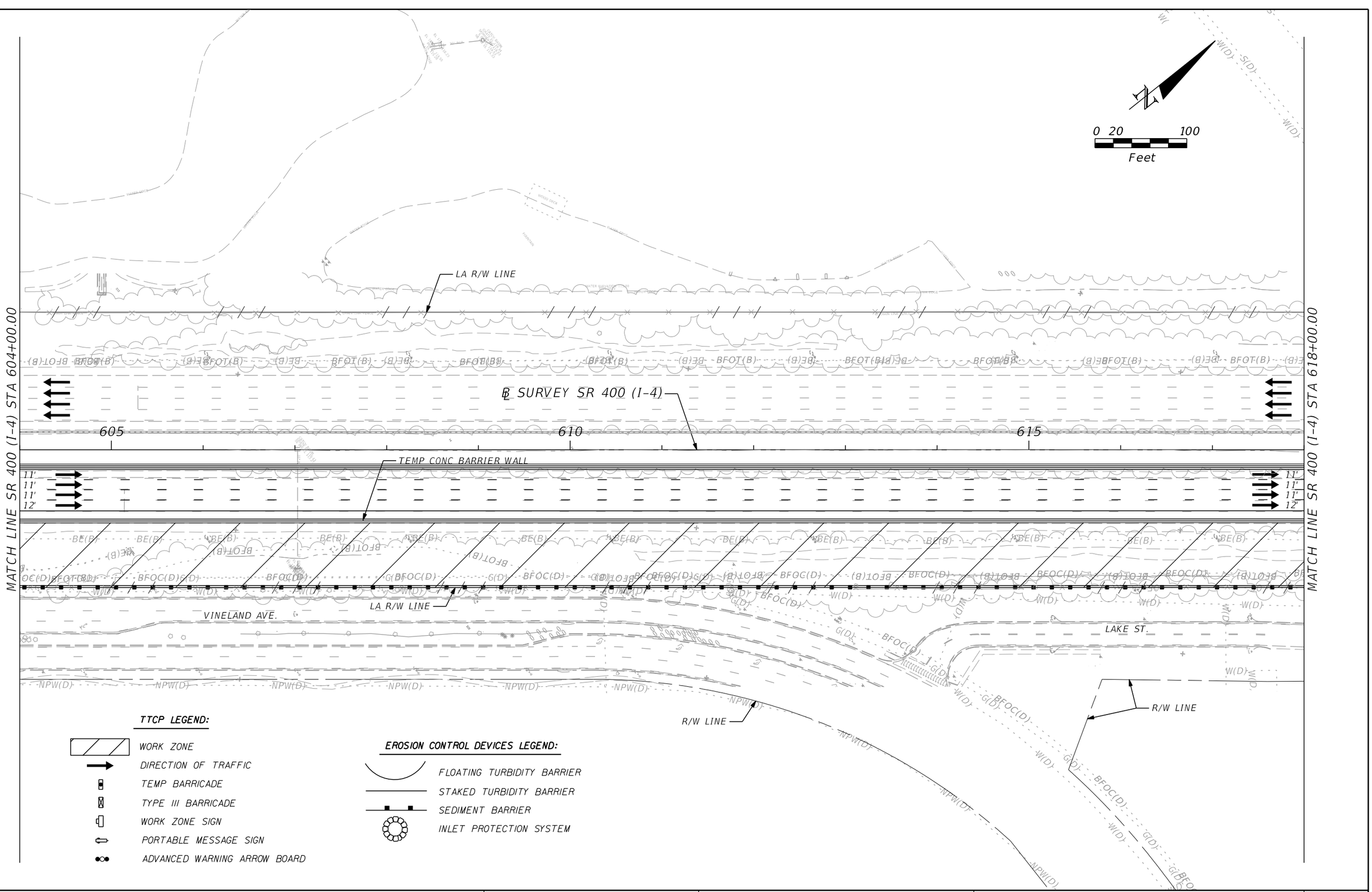
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 5
PHASE 2 - STAGE 1

SHEET NO. 584

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:10:33 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD05_P2S1.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

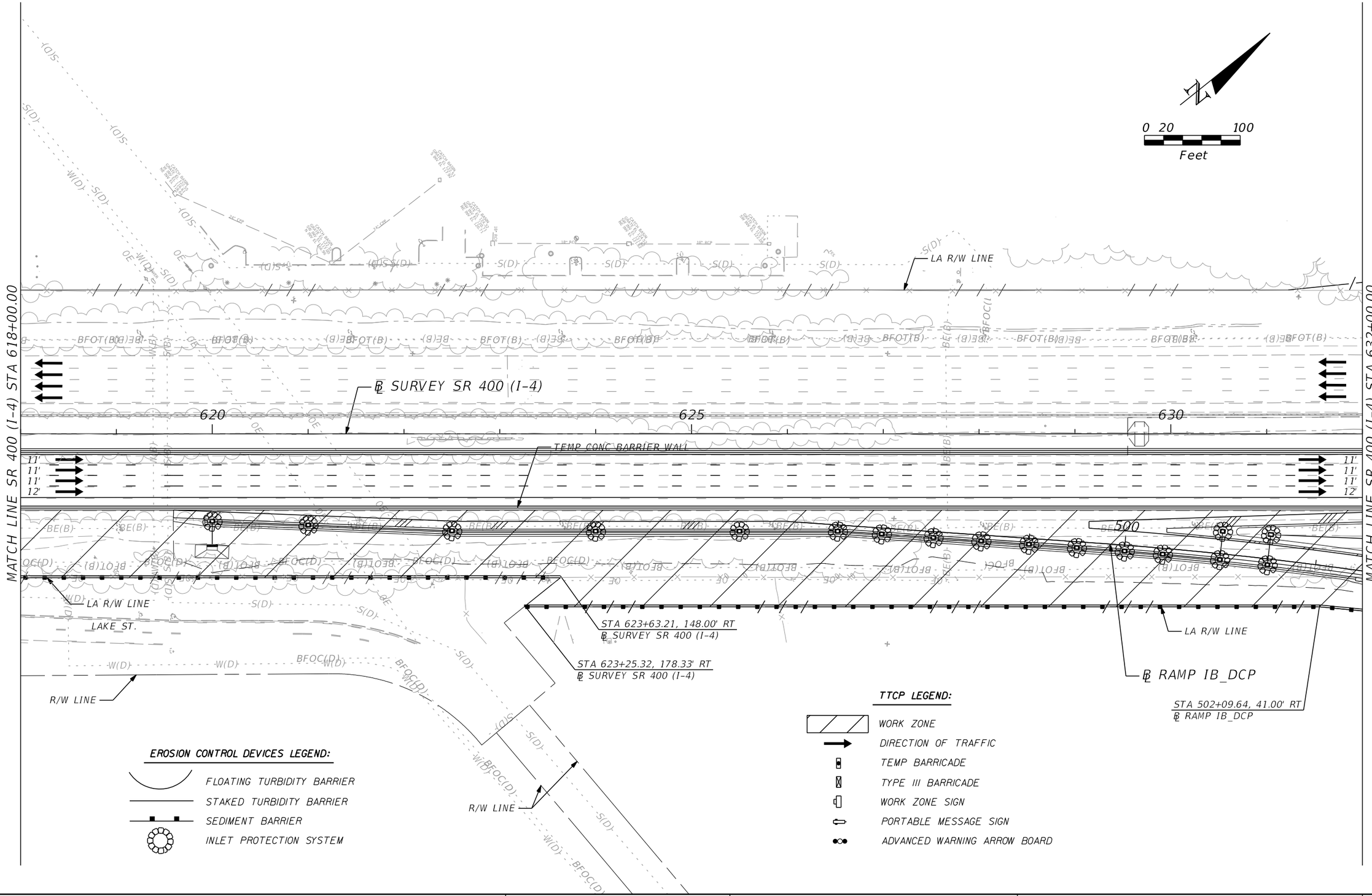
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 6
PHASE 2 - STAGE 1

SHEET NO. 585

robert.martini 8/22/2019 1:10:41 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD06_P2S1.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

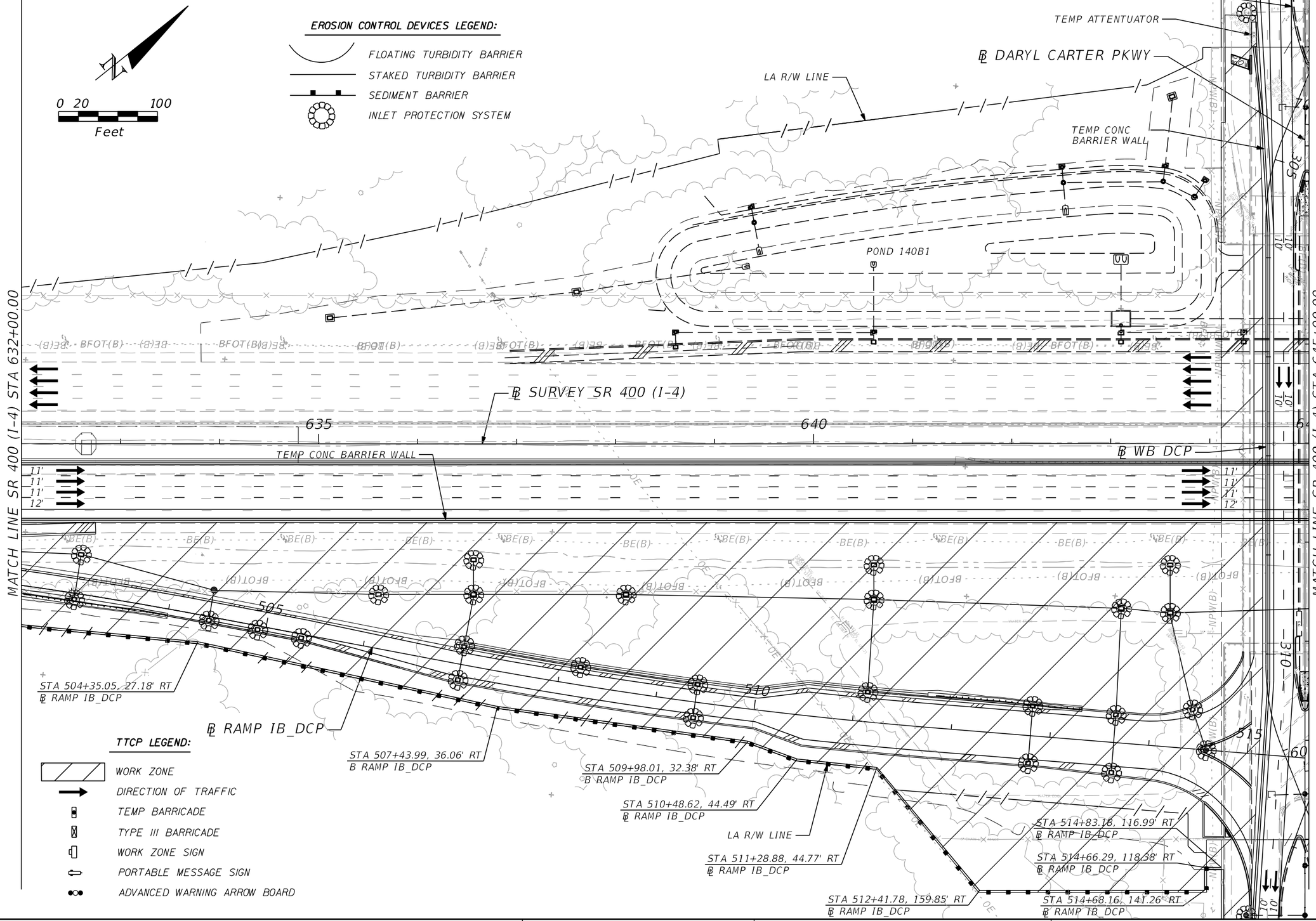
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 7
PHASE 2 - STAGE 1

SHEET NO. 586



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 8
PHASE 2 - STAGE 1

SHEET NO. 587

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:10:54 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD08_P2S1.dgn

℄ WB DCP
R/W LINE
POND 140B3
POND 140B2
POND 141B1
℄ RAMP D_DCP
℄ CONST IWBCD2
LA R/W LINE
BEGIN TEMP BARRICADES
STA 7065+00.00
100' (TYP)
TEMP BARRICADES (TYP)
TEMP CONC BARRIER WALL
℄ RAMP ISLIP1
℄ EB DCP
BEGIN TEMP CONC BARRIER WALL
STA 646+00.00
℄ SURVEY SR 400 (I-4)
STA 609+00.60, 99.42' RT
℄ RAMP IC_DCP
BEGIN BRIDGE
STA 604+32.00
STA 604+86.12, 24.00' RT
℄ RAMP IC_DCP
℄ RAMP IC_DCP
MICROTUNNEL 54" PIPE
END BRIDGE
STA 610+55.00
TEMP CONC BARRIER WALL
STA 600+78.79, 74.92' RT
℄ RAMP IC_DCP
STA 604+71.18, 169.71' RT
℄ RAMP IC_DCP
STA 600+90.73, 76.06' RT
℄ RAMP IC_DCP
STA 600+85.38, 131.80' RT
℄ RAMP IC_DCP
LA R/W LINE
STA 609+54.07, 129.01' RT
℄ RAMP IC_DCP
EXISTING POND C
POND C
TEMPORARY EASEMENT
MATCH LINE SR 400 (I-4) STA 645+00.00
MATCH LINE SR 400 (I-4) STA 660+00.00
0 20 100
Feet

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL, 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 9
PHASE 2 - STAGE 1

SHEET NO. 588

robert.martini 8/22/2019 1:10:58 PM c:\pwworking\aecom_na\r.martini\d0177900\TCPLRD09_P2S1.dgn

POND 141B2

℄ RAMP D_DCP

℄ CONST IWBCD2

POND 141B3

℄ RAMP ISLIP2

0 20 100
Feet

LA R/W LINE

TEMP BARRICADE (TYP)

7070

7075

7080.200

12'

100' (TYP)

BEGIN LANE MERGE
BEGIN TEMP STRIPING
STA 7081+71.00

TEMP BARRICADE (TYP)

100' (TYP)

℄ SURVEY SR 400 (I-4)

MATCH LINE SR 400 (I-4) STA 660+00.00

650

665

670

MATCH LINE SR 400 (I-4) STA 674+00.00

TEMP CONC BARRIER WALL

℄ RAMP IC DCP

11'
11'
11'
12'

620

625

15'

BE(B)

BFOT(B)

POND C

LA R/W LINE

STA 672+74.64, 203.34' RT
℄ SURVEY SR 400 (I-4)

TEMPORARY EASEMENT

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 10
PHASE 2 - STAGE 1

SHEET NO. 589

robert.martini 8/22/2019 1:11:04 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD10_P2S1.dgn

POND 141B3

POND FPC 141

POND 141B4

0 20 100 Feet

END LANE MERGE
END TEMP BARRICADES
STA 7087+73.00

ADVANCE WARNING ARROW BOARD

℄ CONST IWBCD2

℄ RAMP ISLIP2

℄ RAMP IA_CFP

℄ RAMP IC_CFP

LA R/W LINE

TEMP BARRICADE (TYP)
50' (TYP)

7085
205
7090
210
300
400
7095
215

12'
12'
12'
12'

100' (TYP)

℄ SURVEY SR 400 (I-4)

TEMP BARRICADE (TYP)

675
680
685

END TEMP CONC BARRIER WALL
STA 687+11.00

TEMP CONC BARRIER WALL

℄ RAMP IB_CFP

11'
11'
11'
12'
100

MATCH LINE SR 400 (I-4) STA 674+00.00

MATCH LINE SR 400 (I-4) STA 688+00.00

STA 676+35.30, 203.34' RT
℄ SURVEY SR 400 (I-4)

LA R/W LINE

STA 676+82.75, 203.34' RT
℄ SURVEY SR 400 (I-4)

STA 675+95.62, 281.38' RT
℄ SURVEY SR 400 (I-4)

EASEMENT

STA 676+33.68, 299.79' RT
℄ SURVEY SR 400 (I-4)

STA 675+99.67, 296.52' RT
℄ SURVEY SR 400 (I-4)

STA 676+07.68, 300.61' RT
℄ SURVEY SR 400 (I-4)

W1-4d

STA 687+12.90, 102.75' RT
℄ SURVEY SR 400 (I-4)

BEGIN LANE SHIFT
STA 684+39.00

STA 687+12.06, 204.38' RT
℄ SURVEY SR 400 (I-4)

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

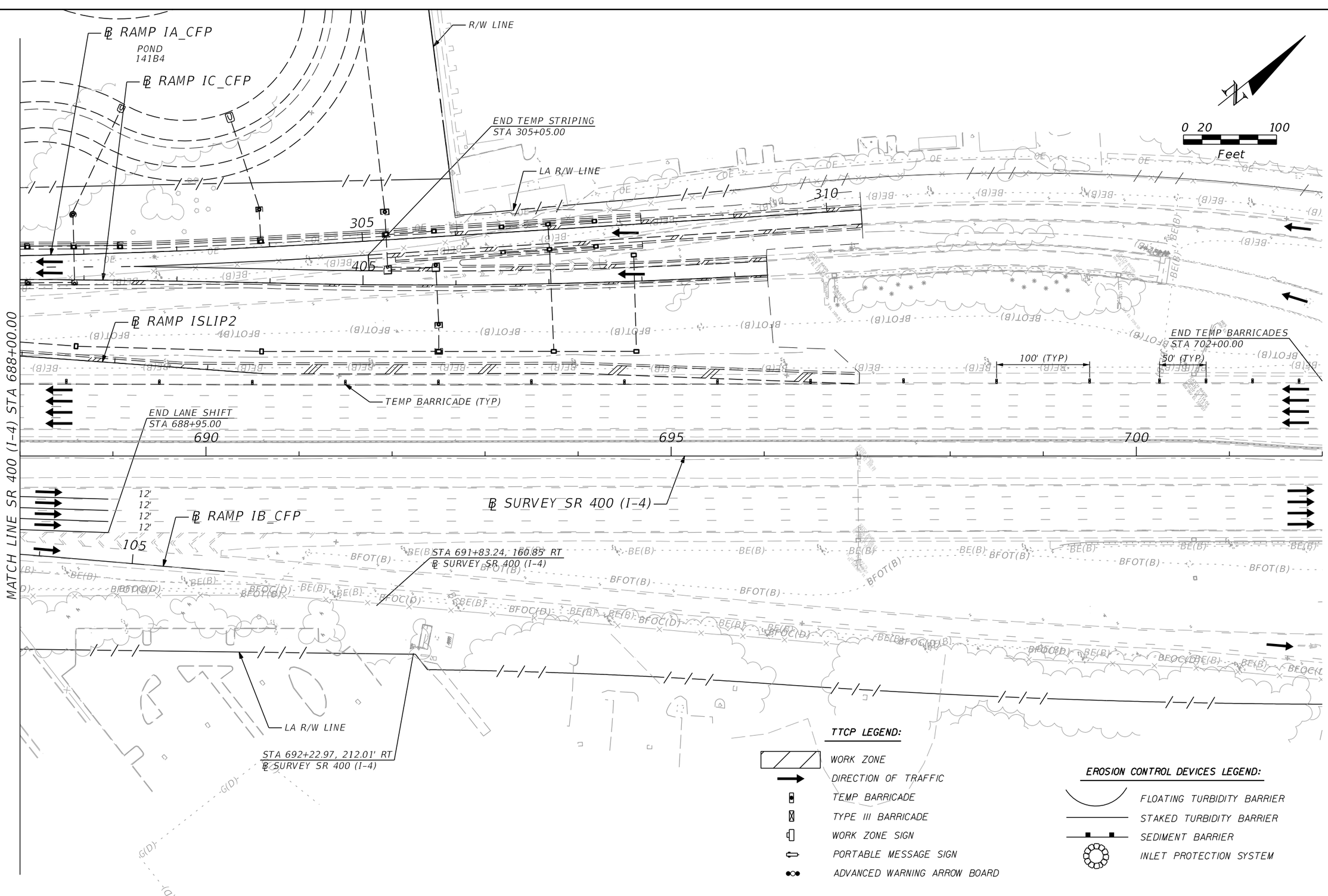
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 11
PHASE 2 - STAGE 1

SHEET NO. 590

robert.martini 8/22/2019 1:11:09 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD11_P251.dgn



TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

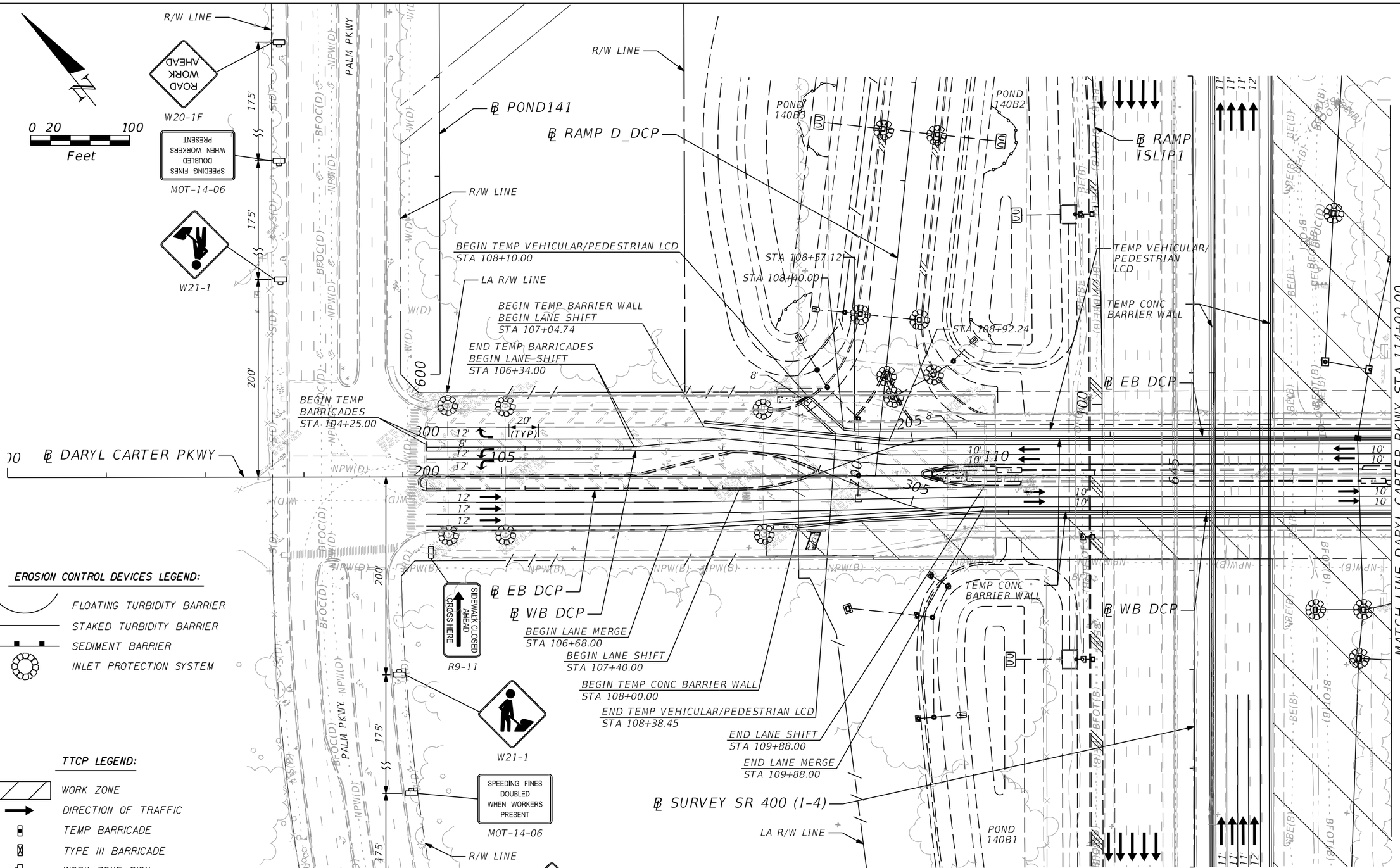
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP SR 400 (I-4) - PLAN 12 PHASE 2 - STAGE 1

SHEET NO. 591

robert.martini 8/22/2019 1:11:14 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD12_P2S1.dgn



EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

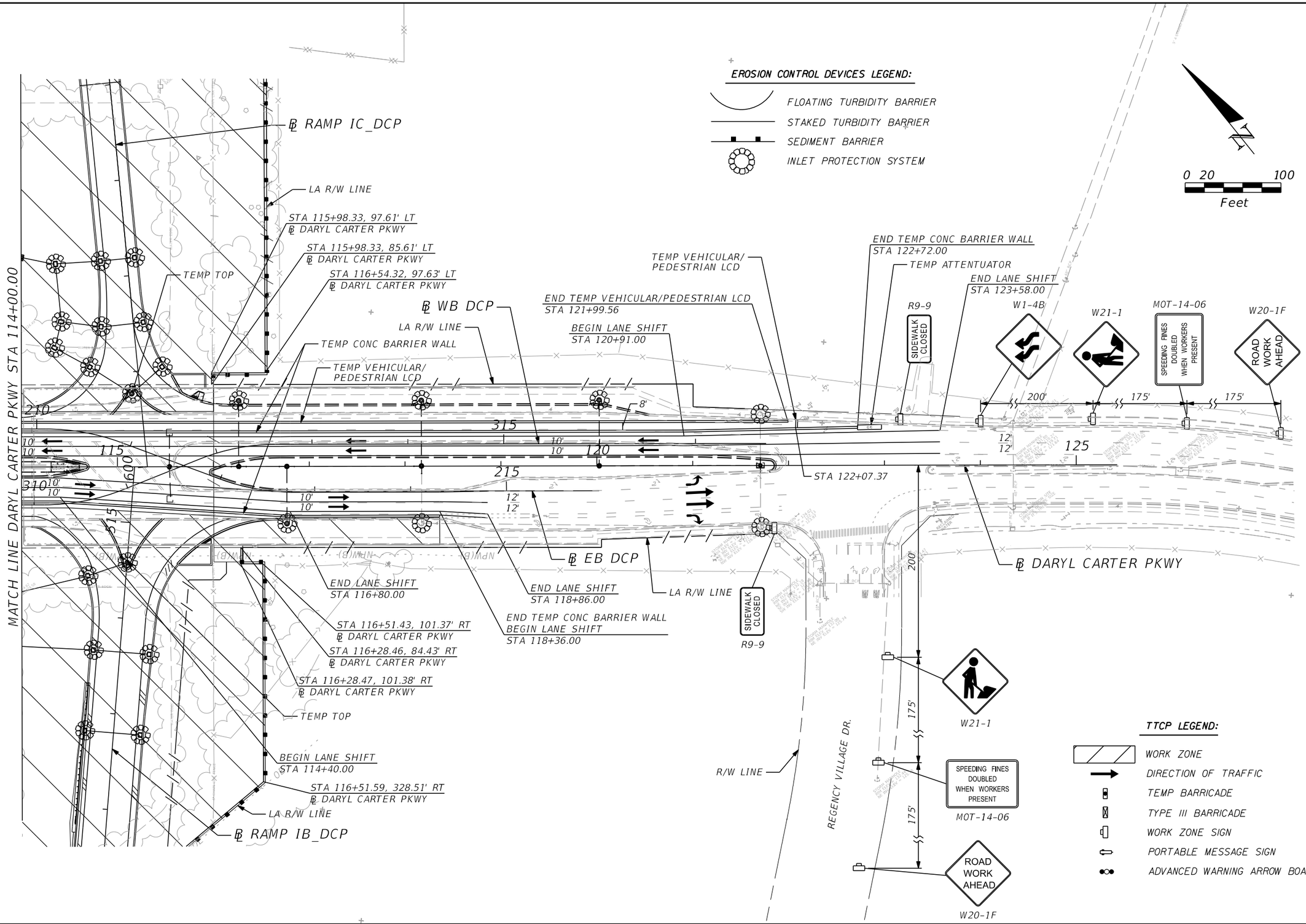
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP DARYL CARTER PKWY - PLAN 1 PHASE 2 - STAGE 1

SHEET NO. 592

robert.martini 8/22/2019 1:11:20 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD14_P2S1.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP DARYL CARTER PKWY - PLAN 2 PHASE 2 - STAGE 1

SHEET NO. 593

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:11:25 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD15_P2S1.dgn

0 20 100
Feet

R/W LINE
ROAD WORK AHEAD
W20-1F
SPEEDING FINES DOUBLED WHEN WORKERS PRESENT
MOT-14-06
W21-1
175'
175'
200'
PALM PKWY
℄ POND141
℄ RAMP D_DCP
R/W LINE
BEGIN TEMP VEHICULAR/PEDESTRIAN LCD
STA 108+10.00
℄ WB DCP
LA R/W LINE
END TEMP BARRICADES
STA 106+10.00
600
20' (TYP)
BEGIN TEMP BARRICADES
STA 104+25.00
℄ DARYL CARTER PKWY
300
200
105
12'
STA 108+42.61
STA 108+56.73
℄ EB DCP
SIDEWALK CLOSED AHEAD CROSS HERE
R9-11
W21-1
SPEEDING FINES DOUBLED WHEN WORKERS PRESENT
MOT-14-06
R/W LINE
ROAD WORK AHEAD
W20-1F
POND 140B3
POND 140B2
STA 108+57.12
STA 108+40.00
STA 109+11.09
STA 109+61.47
TEMP VEHICULAR/ PEDESTRIAN LCD
℄ RAMP 1SLIP1
℄ EB DCP
TEMP CONC BARRIER WALL
8'
205
100
110
305
10' (TYP)
℄ WB DCP
℄ SURVEY SR 400 (I-4)
LA R/W LINE
POND 140B1
MATCH LINE DARYL CARTER PKWY STA 114+00.00

EROSION CONTROL DEVICES LEGEND:

- FLOATING TURBIDITY BARRIER
- STAKED TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM

TTCP LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TEMP BARRICADE
- TYPE III BARRICADE
- WORK ZONE SIGN
- PORTABLE MESSAGE SIGN
- ADVANCED WARNING ARROW BOARD

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

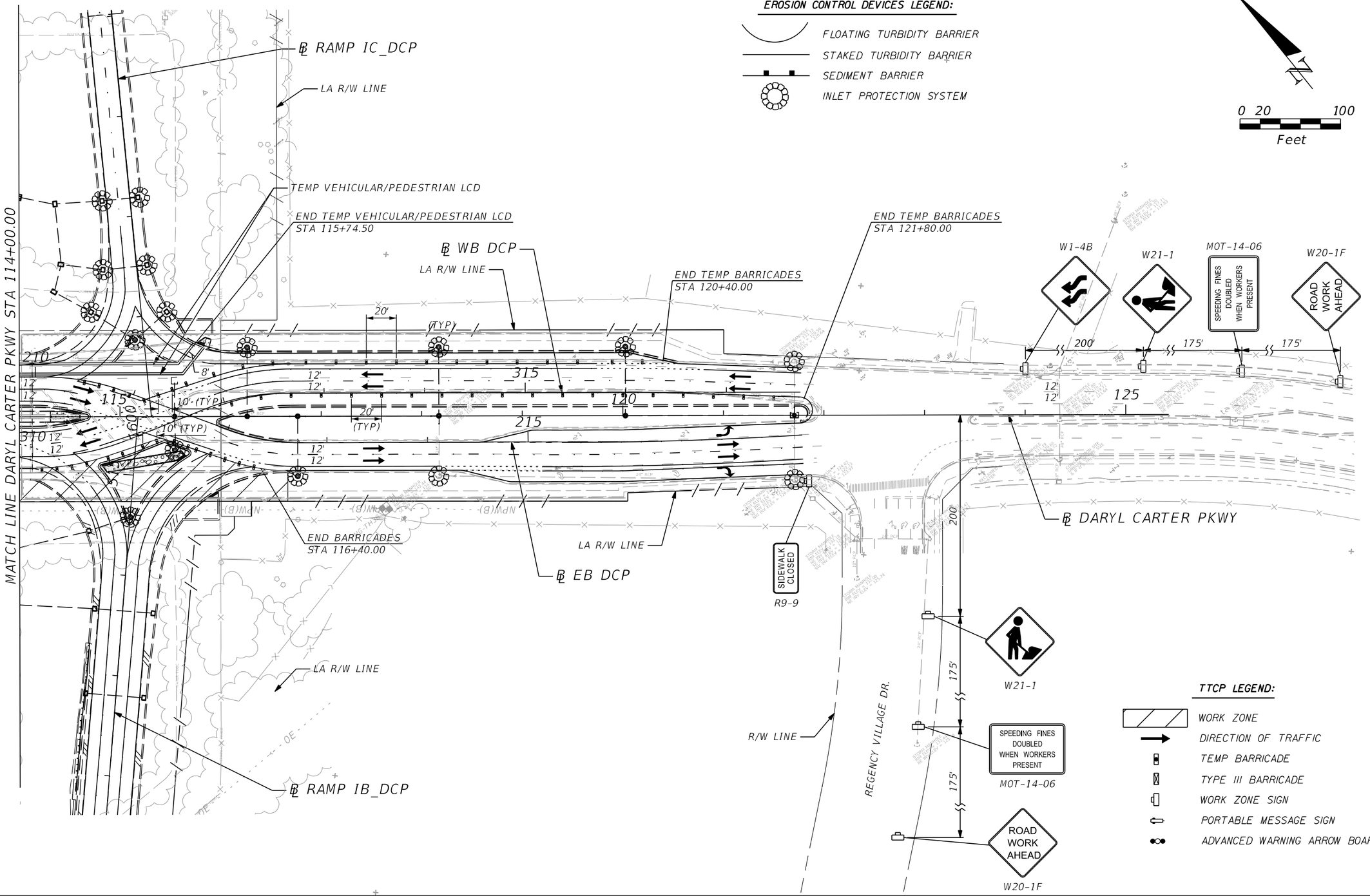
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP DARYL CARTER PKWY - PLAN 1 PHASE 2 - STAGE 2

SHEET NO. 594

robert.martini 8/22/2019 1:11:30 PM c:\pwworking\aecom_na\r.martini\d0177900\TCPLRD14_P2S2.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

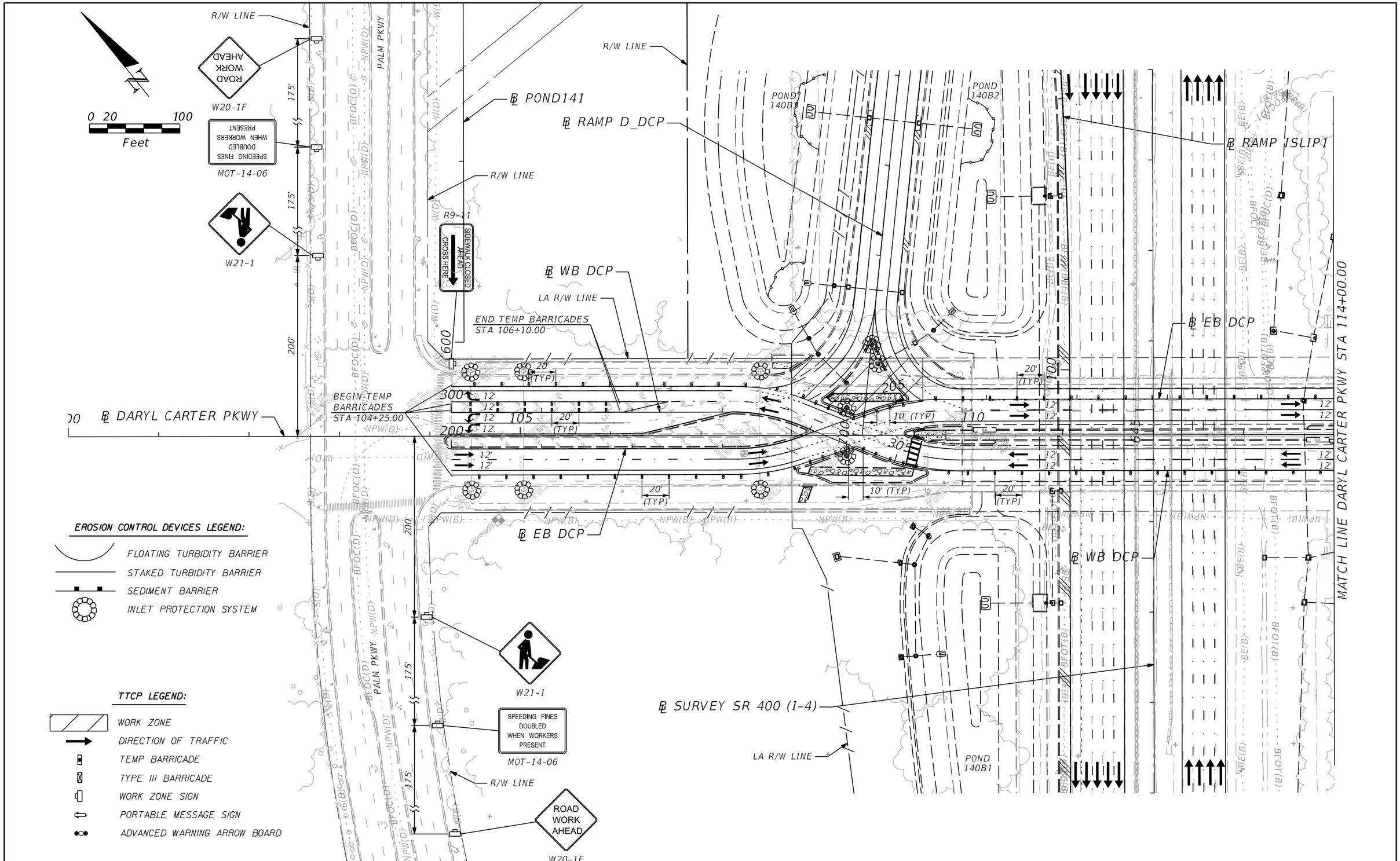
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP DARYL CARTER PKWY - PLAN 2 PHASE 2 - STAGE 2

SHEET NO. 595

robert.martini 8/22/2019 1:11:37 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD15_P2S2.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

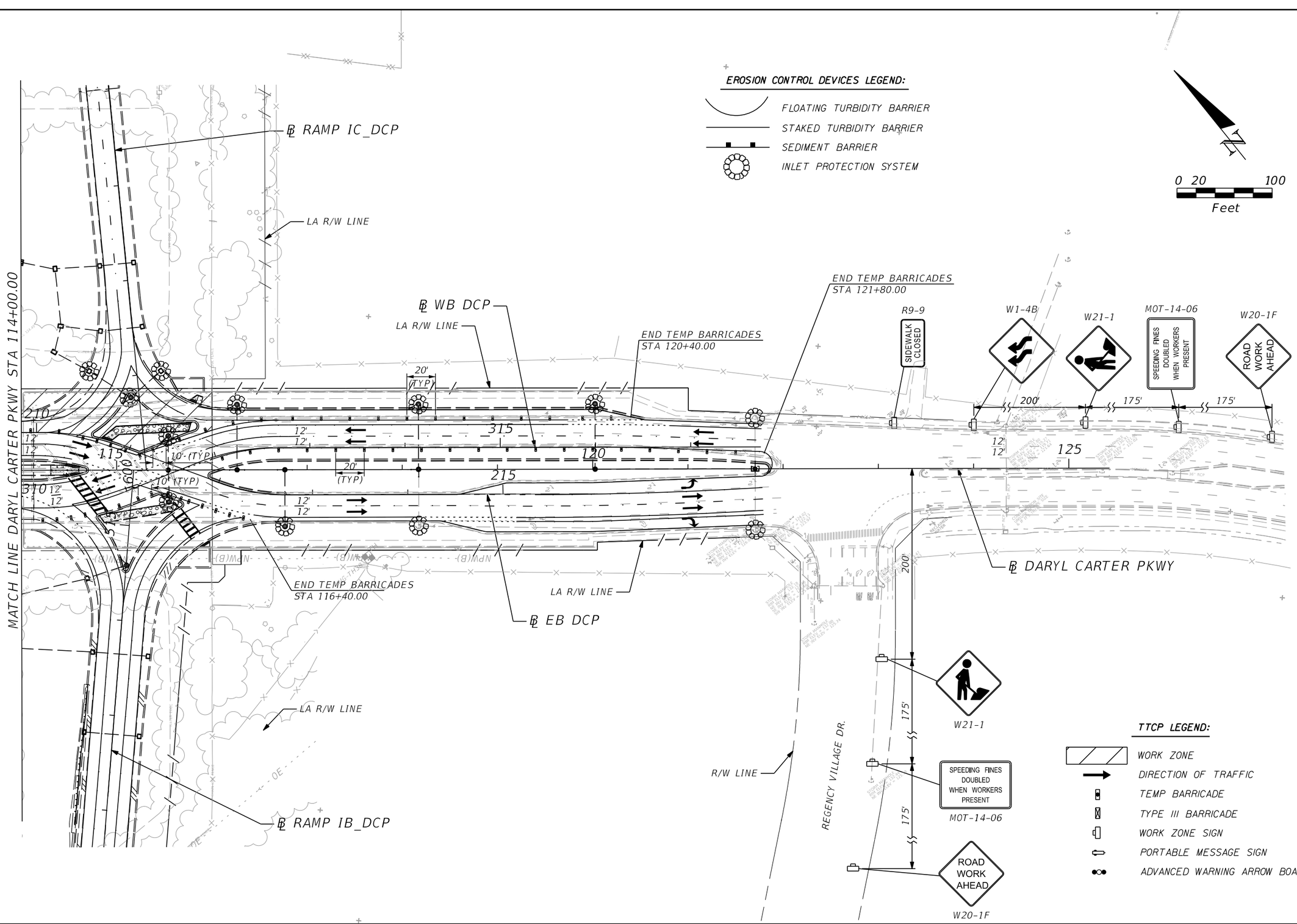
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP DARYL CARTER PKWY - PLAN 1 PHASE 2 - STAGE 3

SHEET NO. 596



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

TTCP DARYL CARTER PKWY - PLAN 2 PHASE 2 - STAGE 3

SHEET NO. 597

robert.martini 8/22/2019 1:11:50 PM c:\pwworking\aecom_na\rmartini\d0177900\TCPLRD15_P2S3.dgn

150
140
130
120
110
100
90
80
70
60

100' SE TRANS
e = (+) 0.035
TO e = (+) 0.02
+20.00
+20.00

100' SE TRANS
INSIDE SHLDR (RT)
e = (+) 0.02
TO e = (-) 0.05
+00.00
+00.00

BEGIN PROFILE
℄ CONST. DIVERSION 1
STA. 100+72.11
EL. 110.47'

℄ CONST. DIVERSION 1 PGL

PI +00.00 EL. 110.45
PI +50.00 EL. 110.49
PI +00.00 EL. 110.62
PI +50.00 EL. 110.72
PI +87.76 EL. 110.88
PI +13.49 EL. 112.15
PI +42.44 EL. 115.43
PI +85.64 EL. 111.63

(-) 0.072% (+) 0.080% (+) 0.260% (+) 0.200% (+) 0.424% (+) 0.940% (+) 1.119% (+) 0.998% (+) 0.998% (-) 3.354% (-) 3.354% (-) 3.954%

(+) 0.735%
(+) 1.115%

110.47

PI +00.00 EL. 110.97
PI +50.00 EL. 111.44
PI +00.00 EL. 112.00
EL. 114.41
114.63
113.29
EL. 112.00

+40.15 EL. 114
+44.73 EL. 112

205' V.C.
K = 47

EXISTING GROUND AT ℄ CONST. DIVERSION 1

END PROFILE
CONST. DIVERSION 1
STA. 108+96.37
EL. 110.21'

100+00.00 105+00.00 110+00.00

SCALE: 1" = 100' HORIZ.
1" = 10' VERT.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

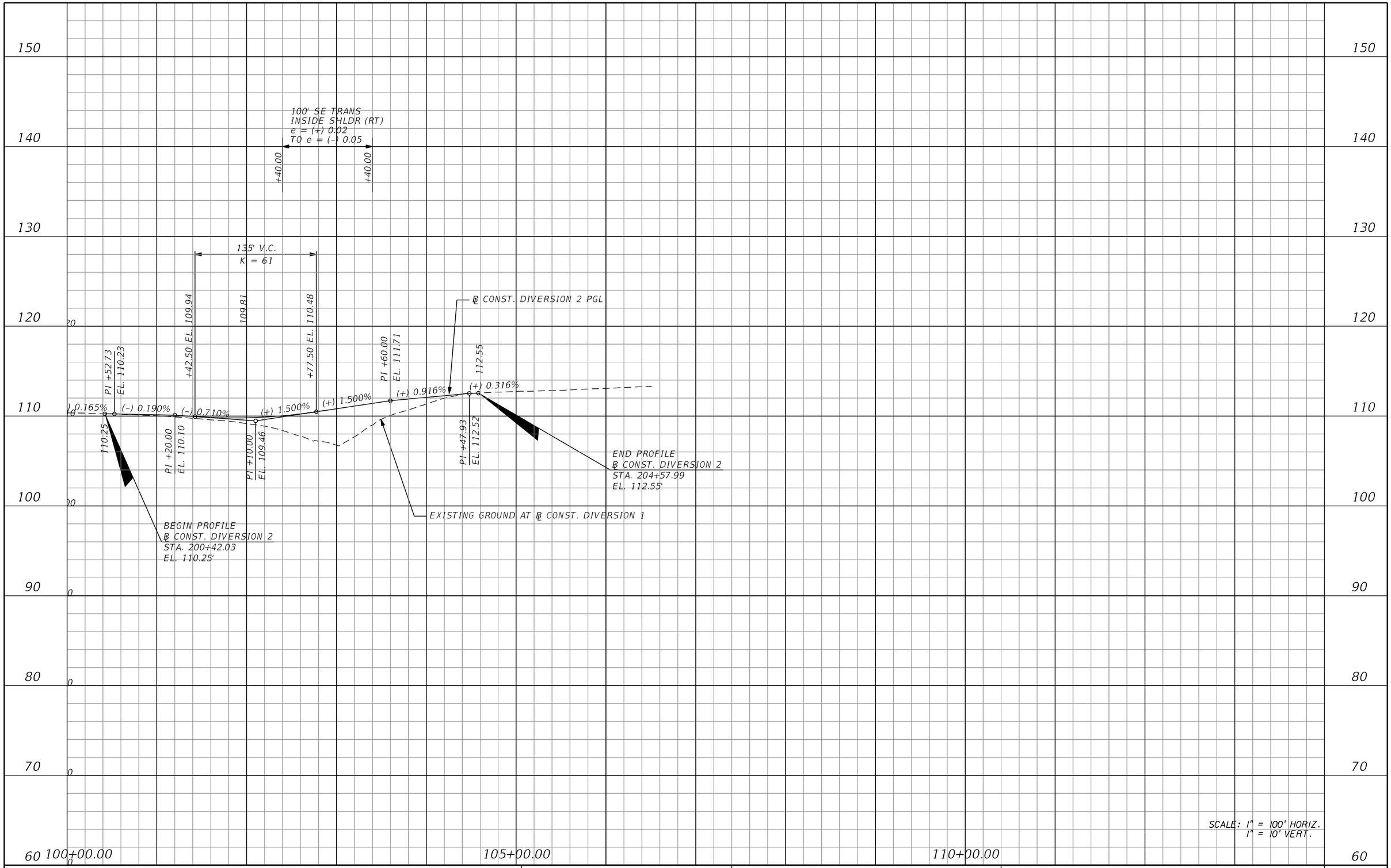
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DIVERSION 1 PROFILE

SHEET NO. 598



SCALE: 1" = 100' HORIZ.
1" = 10' VERT.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

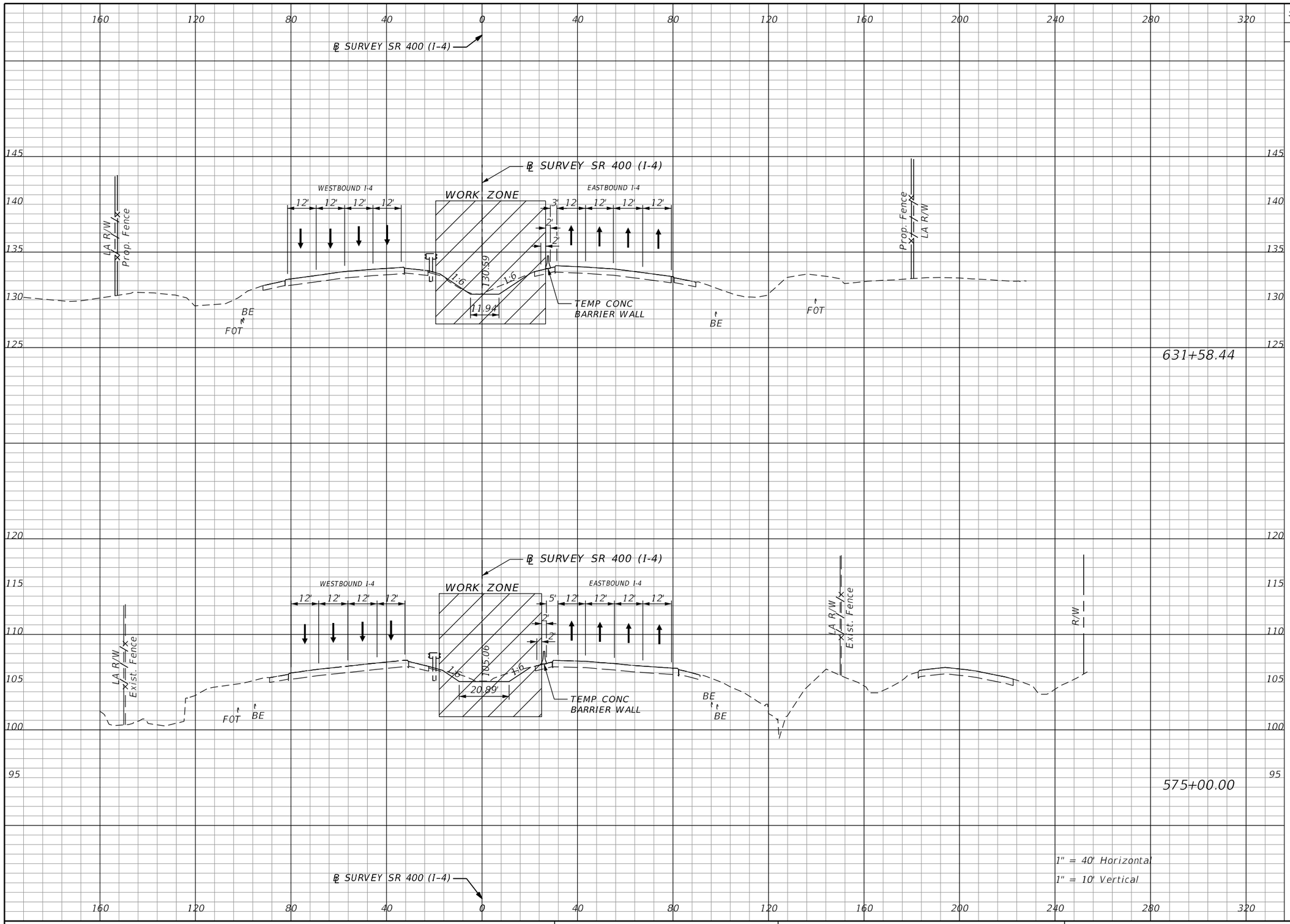
Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DIVERSION 2 PROFILE

SHEET NO. 599



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
PHASE 1 - STAGE 1
CROSS SECTIONS

SHEET NO. 600

robert.martini 8/22/2019 2:26:07 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_SR400.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V

℄ SURVEY SR 400 (I-4)

LA R/W

Prop. Fence

WORK ZONE

WESTBOUND I-4

9' 12' 11' 11' 11' 2'

SHLDR

2' 2' 2' 2'

EASTBOUND I-4

12' 12' 12' 12'

1:6 1:30 1:4 1:2 1:2 1:10 1:4 1:32

TEMP CONC BARRIER WALL

TEMP CONC BARRIER WALL

TEMPORARY OVERBUILD PAVEMENT

BE

FOT

BE

642+52.87

℄ SURVEY SR 400 (I-4)

1" = 40' Horizontal

1" = 10' Vertical

360 320 280 240 200 160 120 80 40 0 40 80 120

155 150 145 140 135 130 125 120 115 110

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

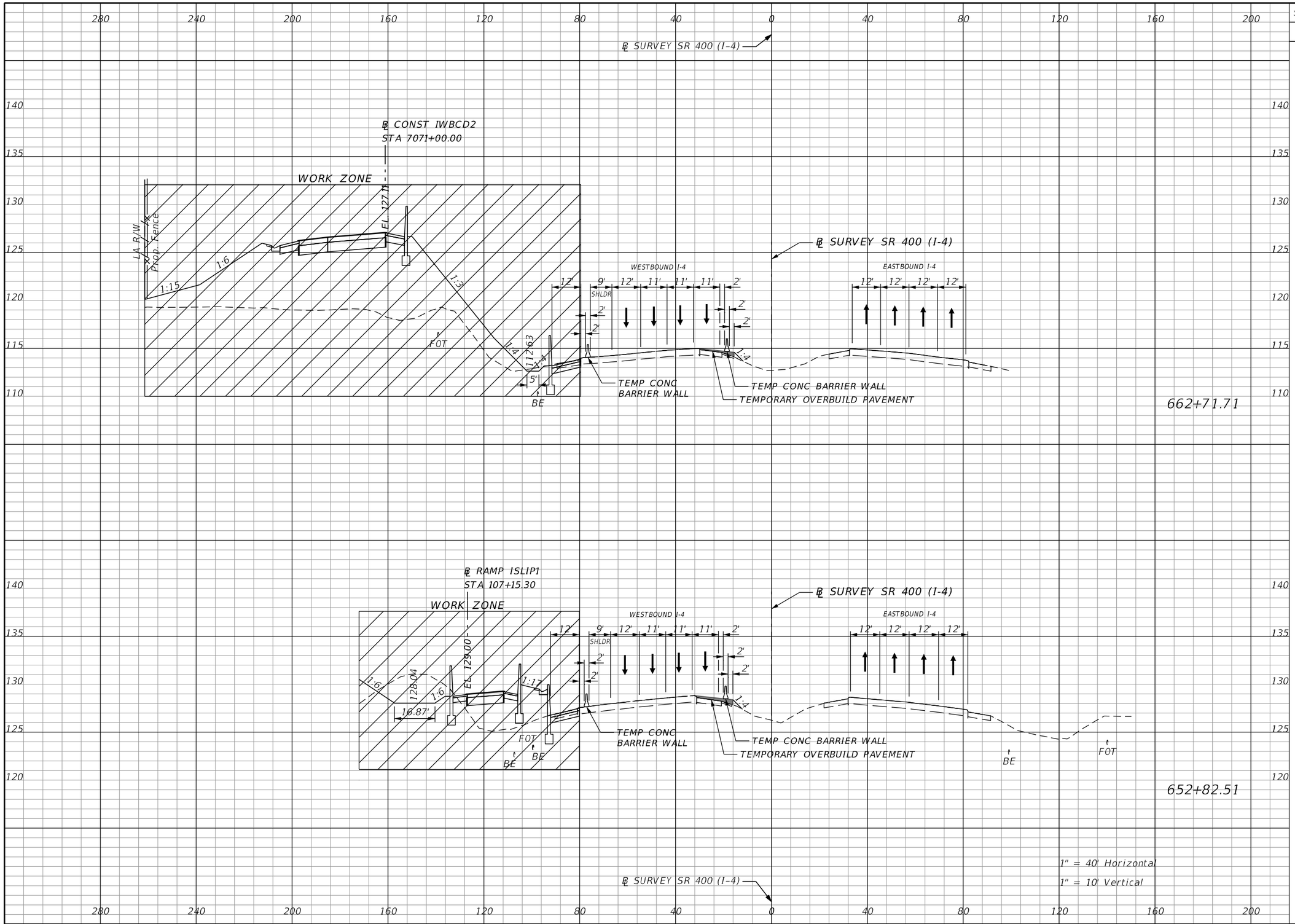
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
PHASE 1 - STAGE 2
CROSS SECTIONS

SHEET NO. 601

robert.martini 8/22/2019 2:26:08 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

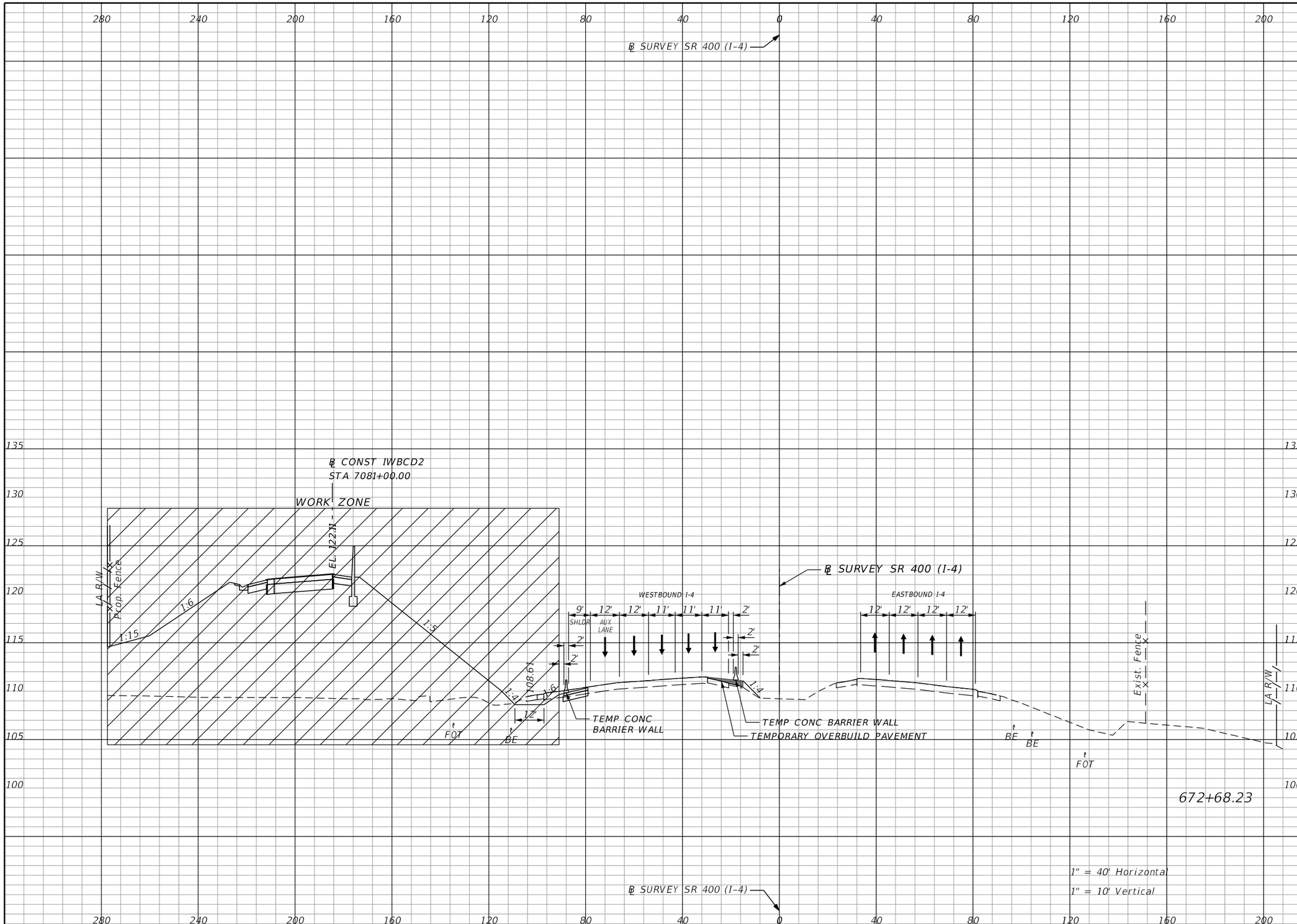
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
PHASE 1 - STAGE 2
CROSS SECTIONS

SHEET NO. 602

robert.martini 8/22/2019 2:26:10 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

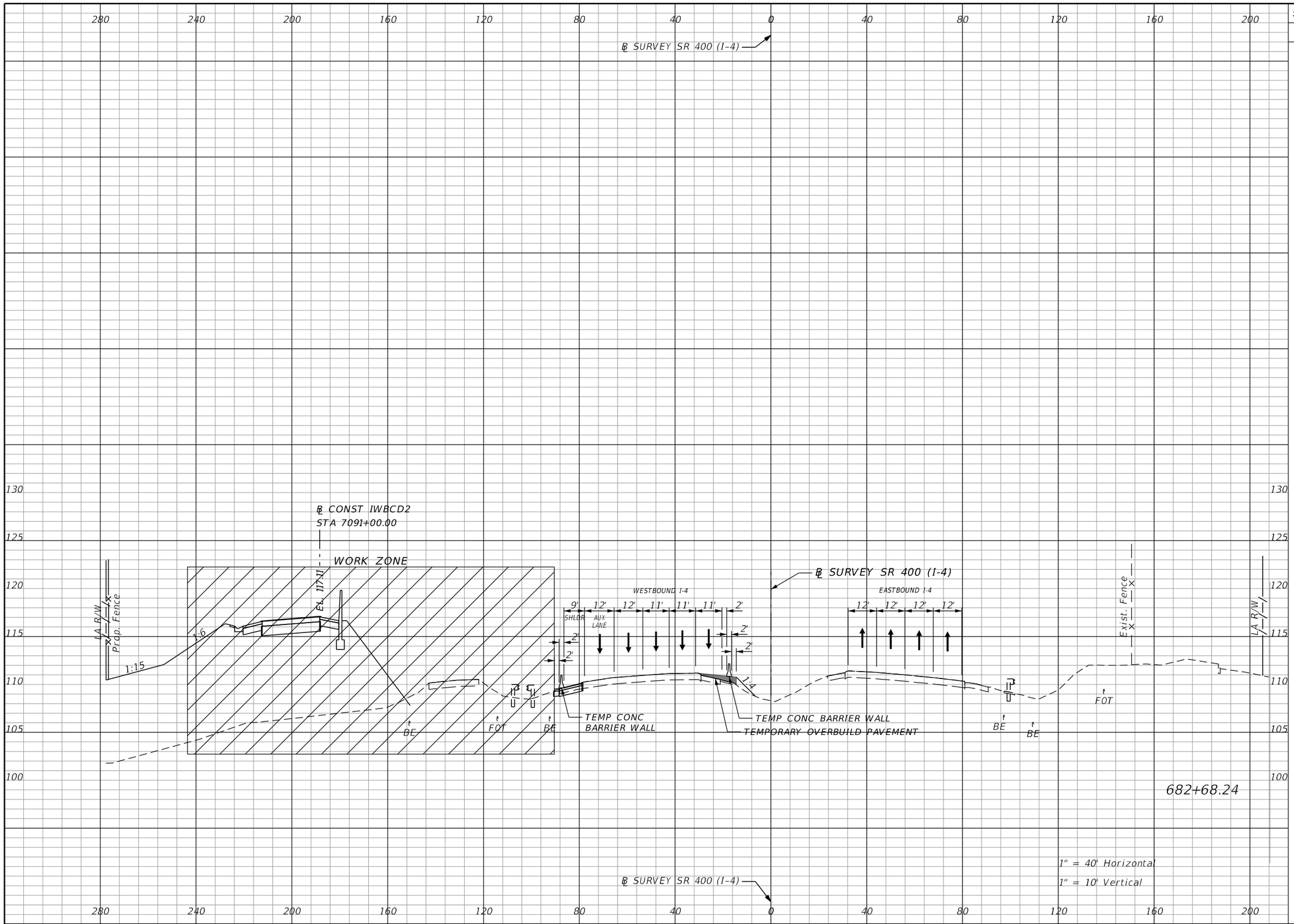
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
PHASE 1 - STAGE 2
CROSS SECTIONS

SHEET NO.
603

robert.martini 8/22/2019 2:26:11 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_SR400.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

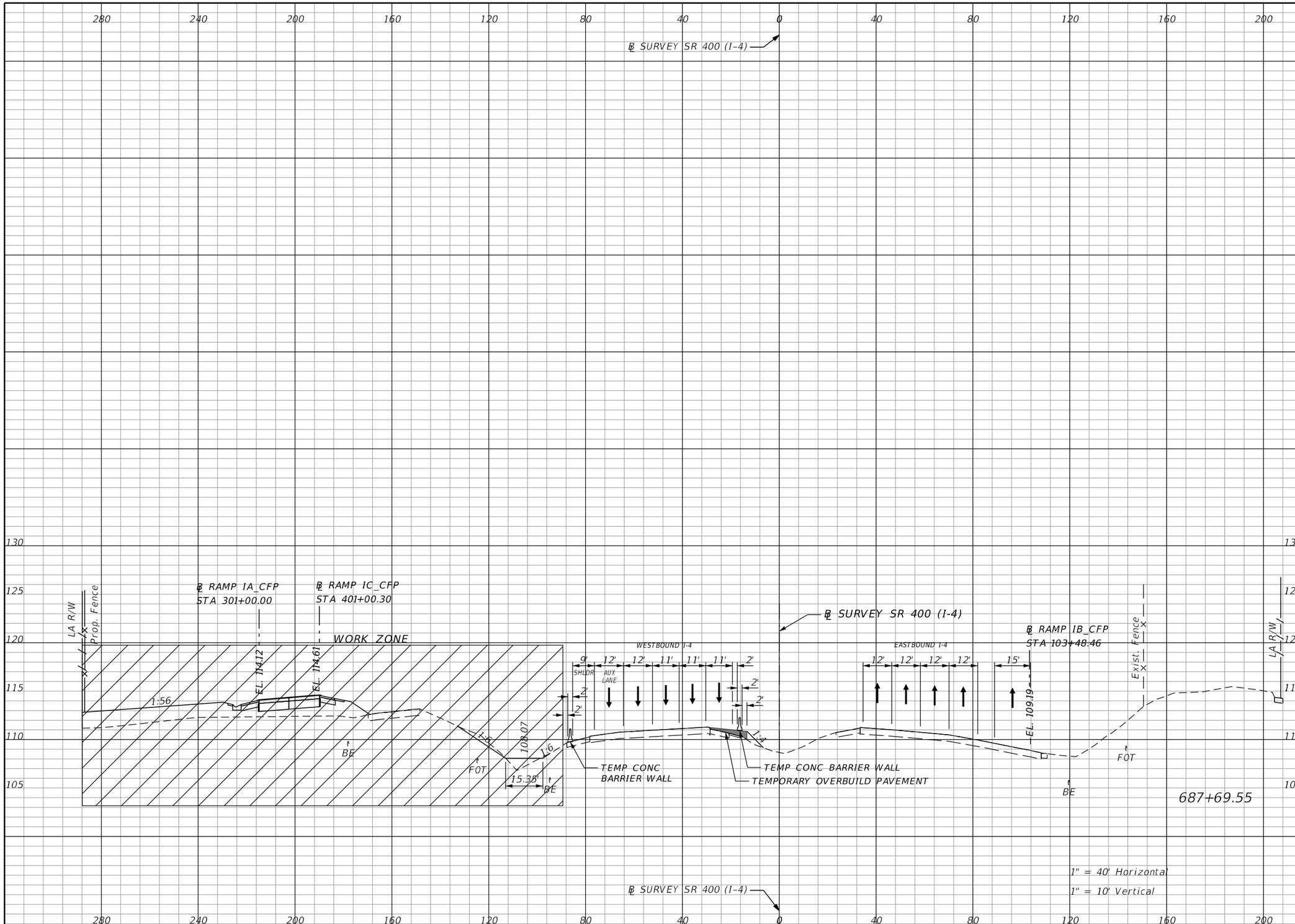
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
PHASE 1 - STAGE 2
CROSS SECTIONS

SHEET NO. 604

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 2:26:13 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_SR400.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
PHASE 1 - STAGE 3
CROSS SECTIONS

SHEET NO.
605

robert.martini 8/22/2019 2:26:14 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_SR400.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V

℄ SURVEY SR 400 (I-4)

℄ RAMP IA_CFP
STA 307+00.00

℄ RAMP IC_CFP
STA 407+02.87

LA R/W

Prop. Fence

EL. 115.33

EL. 116.56

WORK ZONE

1:3

1:6

BE

FOT

27.03'

108.39'

WESTBOUND I-4

9' SHLDR | 12' | 12' | 11' AUX LANE | 11' | 11' | 2'

2'

2'

2'

2'

1:4

TEMP CONC BARRIER WALL

TEMP CONC BARRIER WALL

TEMPORARY OVERBUILD PAVEMENT

EASTBOUND I-4

12' | 12' | 12' | 12'

Exist. Fence

693+73.19

1" = 40' Horizontal

1" = 10' Vertical

280 240 200 160 120 80 40 0 40 80 120 160 200

130 125 120 115 110 105

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

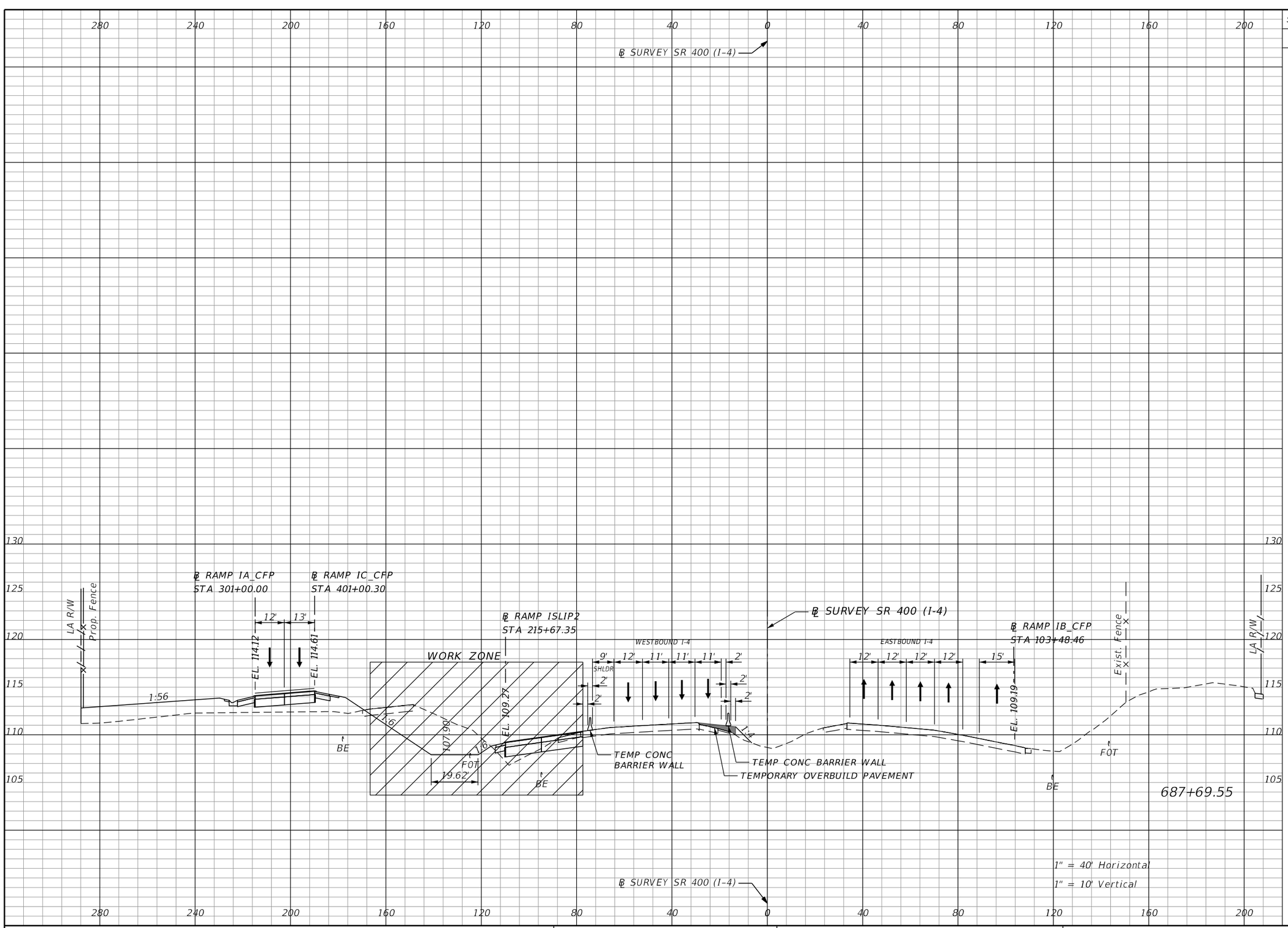
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
PHASE 1 - STAGE 3
CROSS SECTIONS

SHEET NO. 606

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

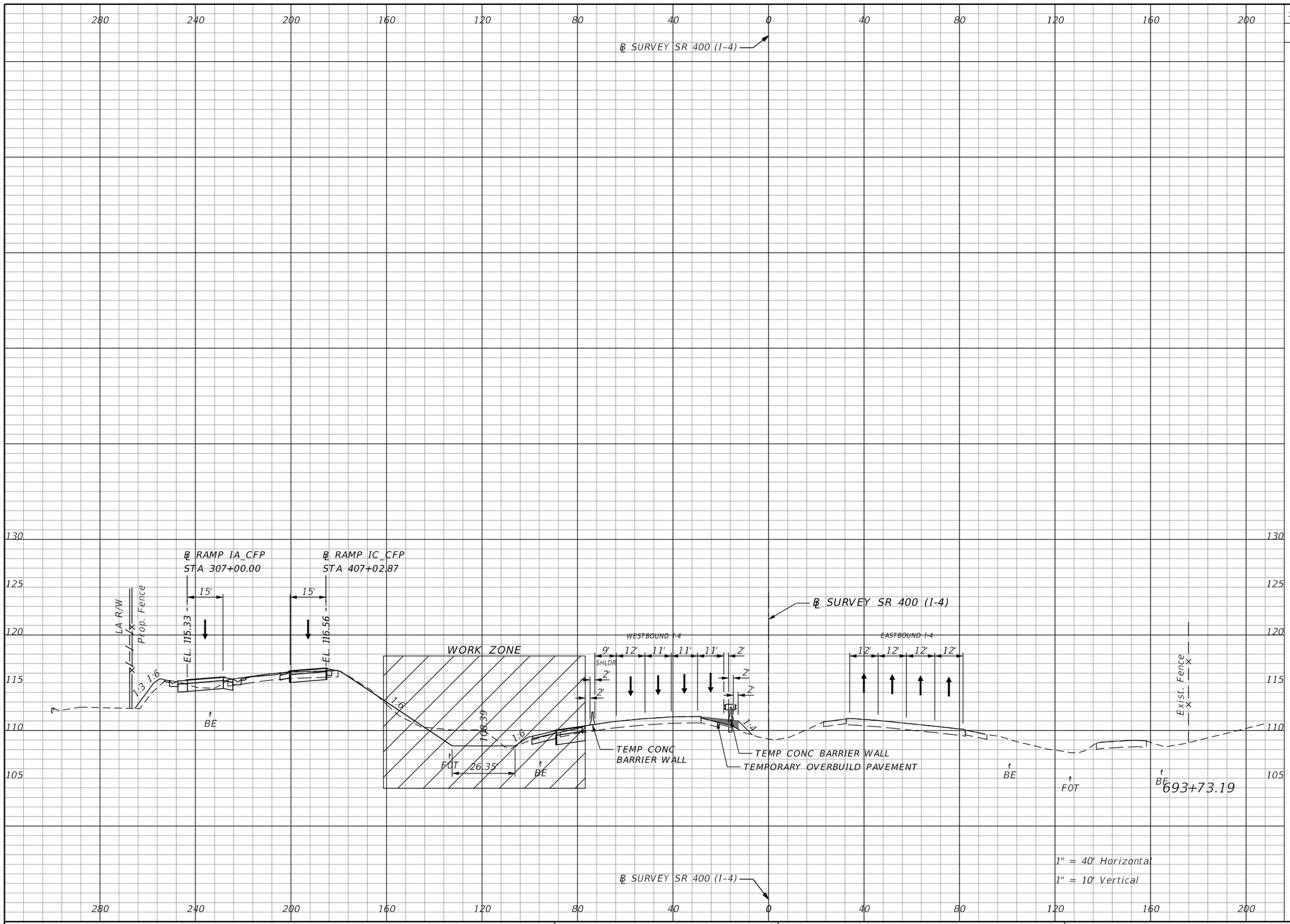
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
PHASE 1 - STAGE 4
CROSS SECTIONS

SHEET NO. 607

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

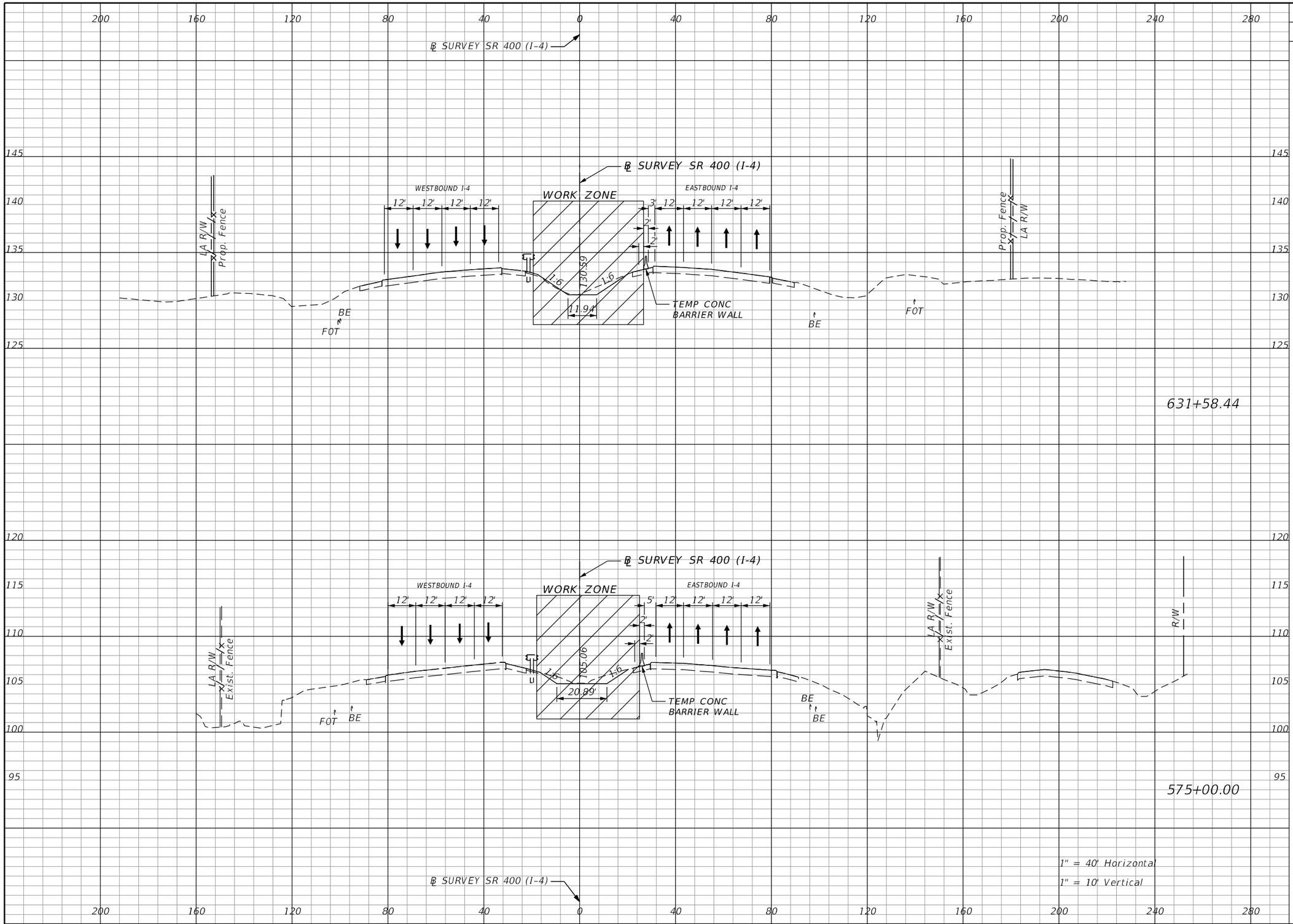
SR 400 (I-4)
PHASE 1 - STAGE 4
CROSS SECTIONS

SHEET NO. 608

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 2:26:19 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_SR400.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
PHASE 2 - STAGE 1
CROSS SECTIONS

SHEET NO. 609

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 2:26:20 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_SR400.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V

℄ SURVEY SR 400 (I-4)

℄ CONST IWBCD2
STA 708+00.00

WORK ZONE

EL 122.71

LA R/W

Prop. Fence

1:6

1:15

1:5

108.61

1:4

1:6

12'

FOT

BE

TEMP CONC BARRIER WALL

WESTBOUND I-4

9' SHLDR | 12' | 12' | 11' | 11' | 11' | 2'

AUX LANE

2'

2'

2'

2'

TEMP CONC BARRIER WALL

TEMPORARY OVERBUILD PAVEMENT

℄ SURVEY SR 400 (I-4)

EASTBOUND I-4

12' | 12' | 12' | 12'

1:4

Exist. Fence

LA R/W

BE

BE

FOT

672+68.23

1" = 40' Horizontal

1" = 10' Vertical

℄ SURVEY SR 400 (I-4)

280 240 200 160 120 80 40 0 40 80 120 160 200

135 130 125 120 115 110 105 100

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
PHASE 2 - STAGE 1
CROSS SECTIONS

SHEET NO. 610

robert.martini 8/22/2019 2:26:21 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_SR400.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V

℄ SURVEY SR 400 (I-4)

℄ CONST IWBCD2
STA 7091+00.00

WORK ZONE

EL. 117.11

LA R/W

Prop. Fence

1:6

1:15

WESTBOUND I-4

9' SHLDR | 12' | 12' | 11' AUX LANE | 11' | 11' | 2'

2' | 2' | 2' | 2'

1:4

EASTBOUND I-4

12' | 12' | 12' | 12'

Exist. Fence

LA R/W

TEMP CONC BARRIER WALL

TEMPORARY OVERBUILD PAVEMENT

TEMP CONC BARRIER WALL

BE | FOT | BE | BE | BE | FOT

682+68.24

1" = 40' Horizontal
1" = 10' Vertical

280 240 200 160 120 80 40 0 40 80 120 160 200

130 125 120 115 110 105 100

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL, 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

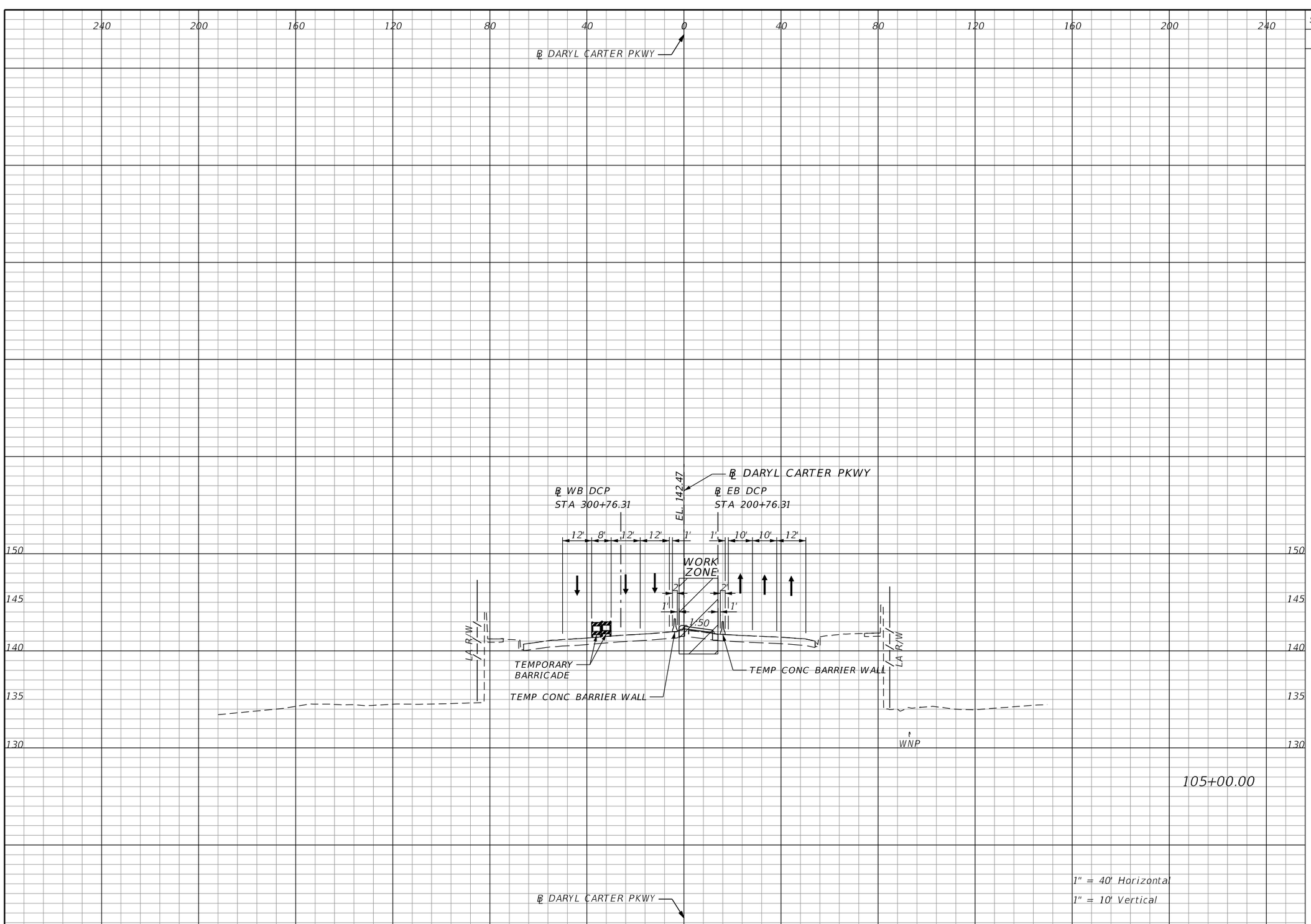
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
PHASE 2 - STAGE 1
CROSS SECTIONS

SHEET NO. 611

robert.martini 8/22/2019 2:26:23 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_SR400.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



1" = 40' Horizontal
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

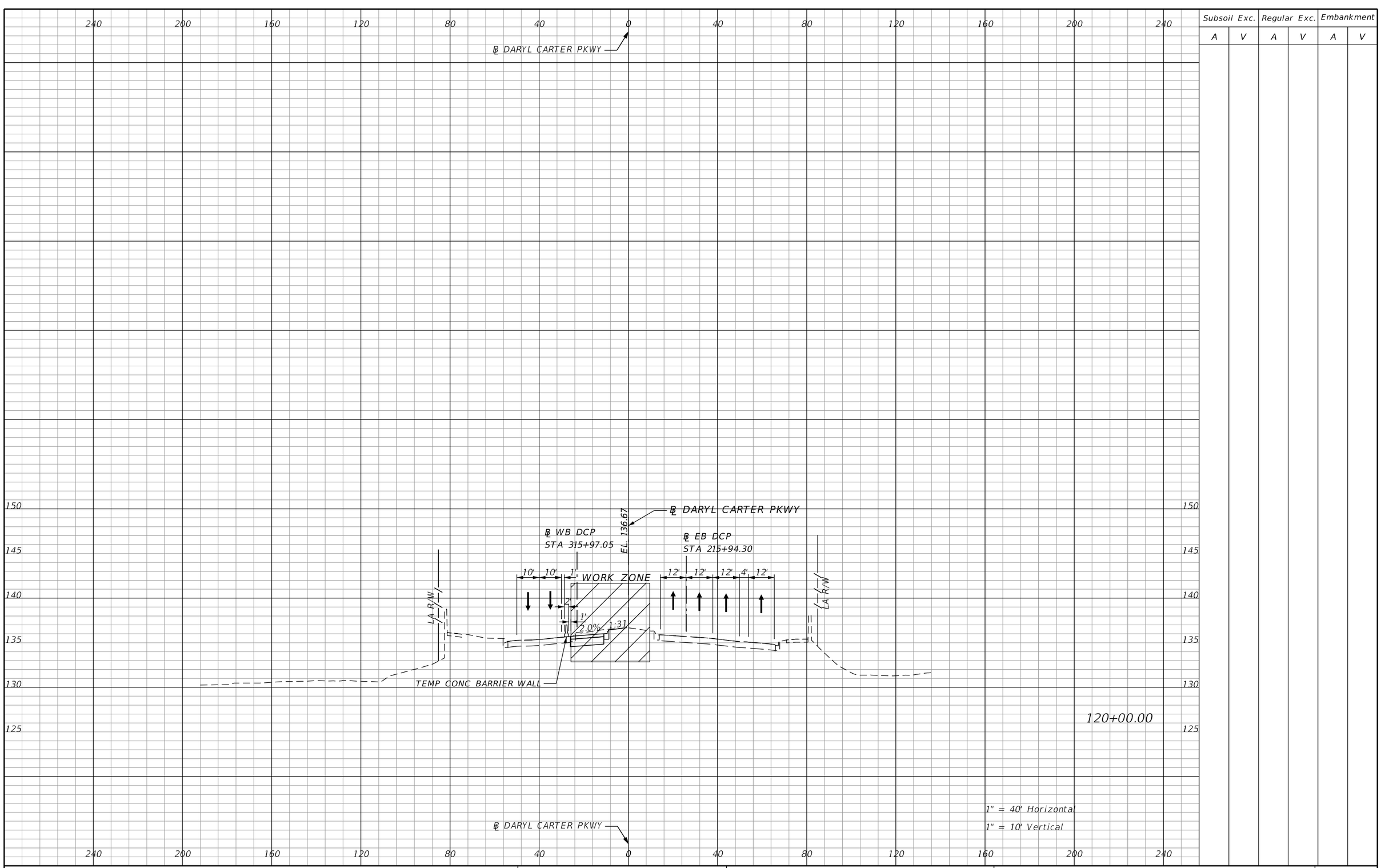
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY
PHASE 1 - STAGE 1
CROSS SECTIONS

SHEET NO. 612

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 2:26:27 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

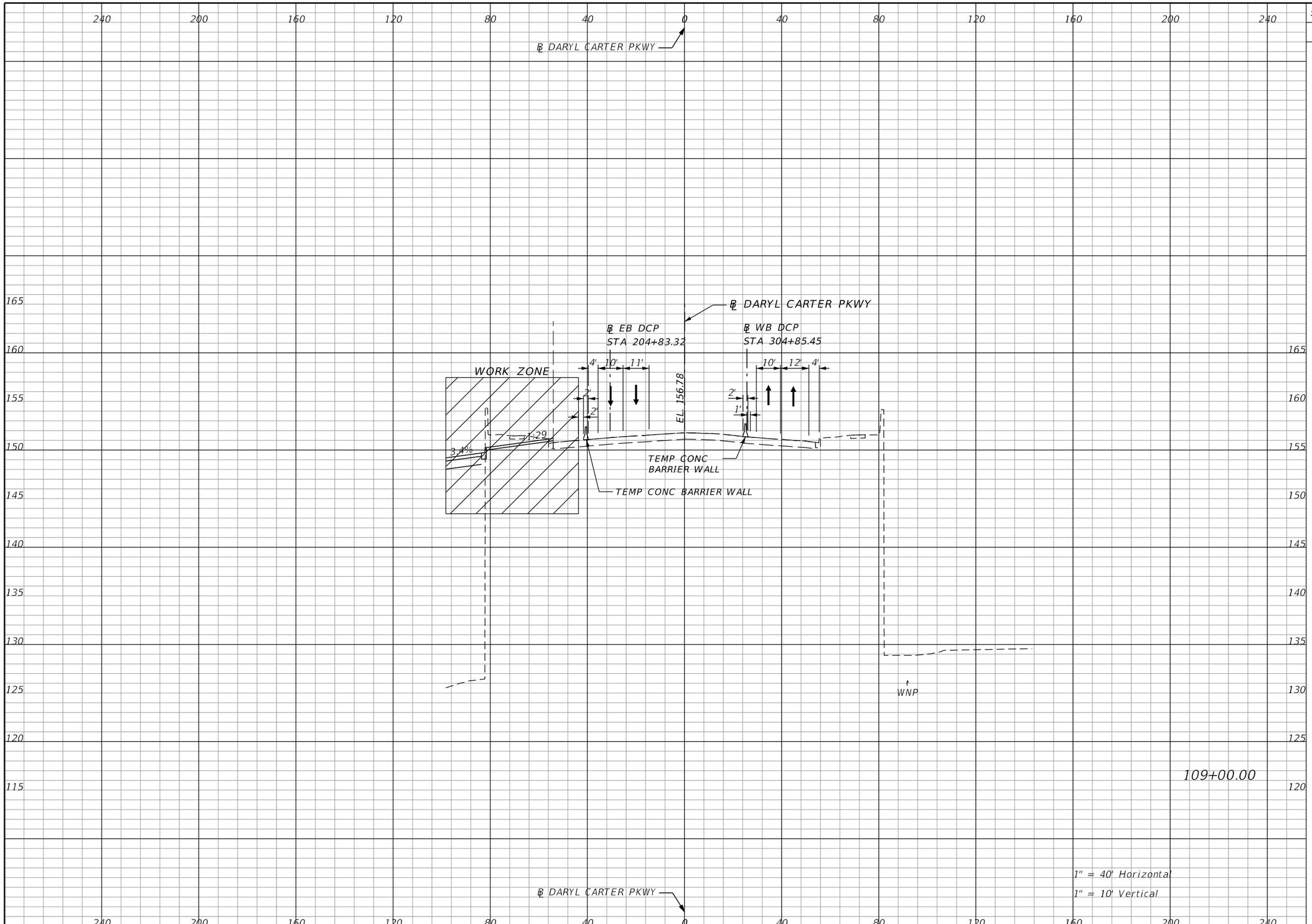
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY PHASE 1 - STAGE 1 CROSS SECTIONS

SHEET NO. 613

robert.martini 8/22/2019 2:26:28 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

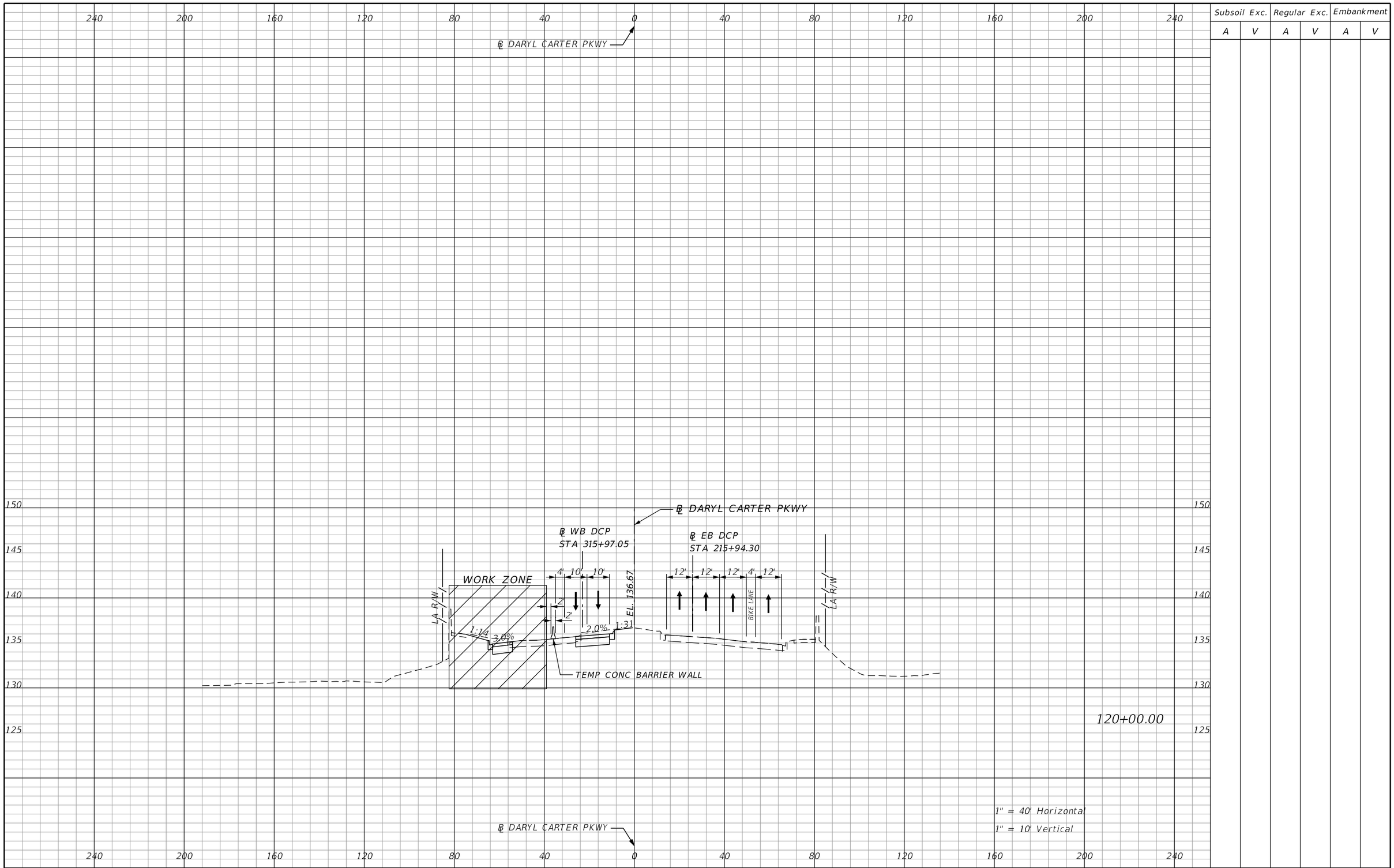
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY
PHASE 1 - STAGE 2
CROSS SECTIONS

SHEET NO. 614

robert.martini 8/22/2019 2:26:29 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DCP.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

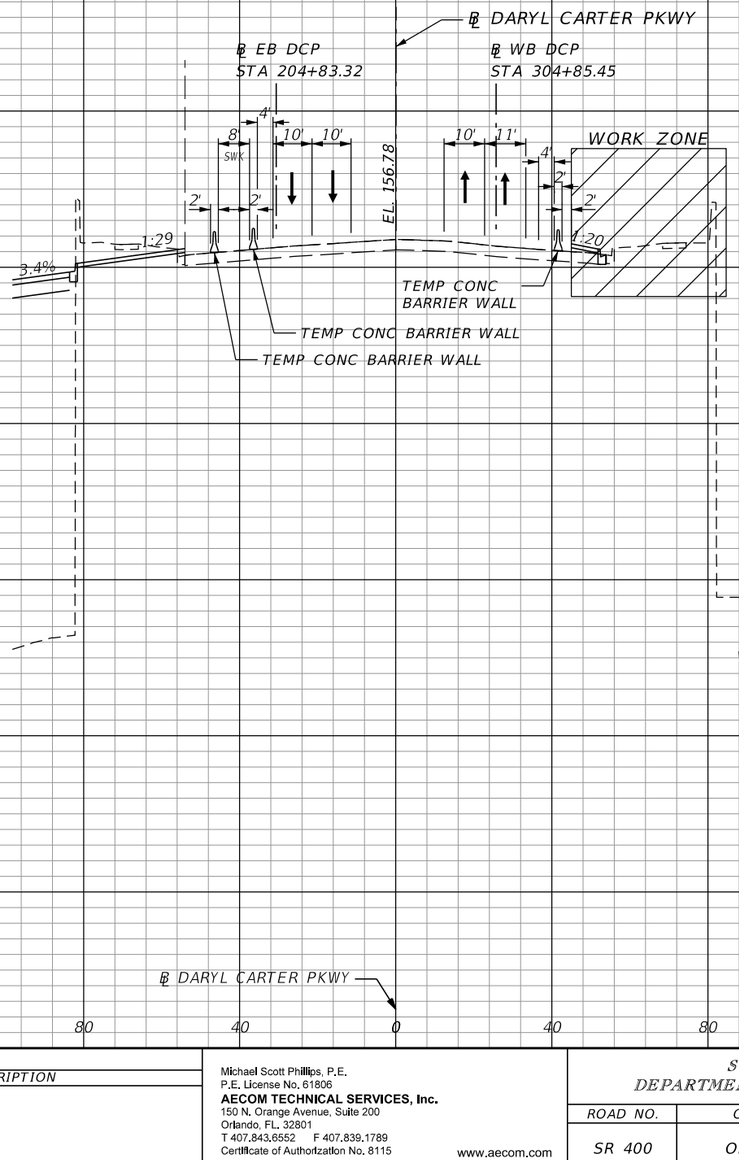
DARYL CARTER PKWY PHASE 1 - STAGE 2 CROSS SECTIONS

SHEET NO. 615

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 2:26:30 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DCP.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



109+00.00

1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

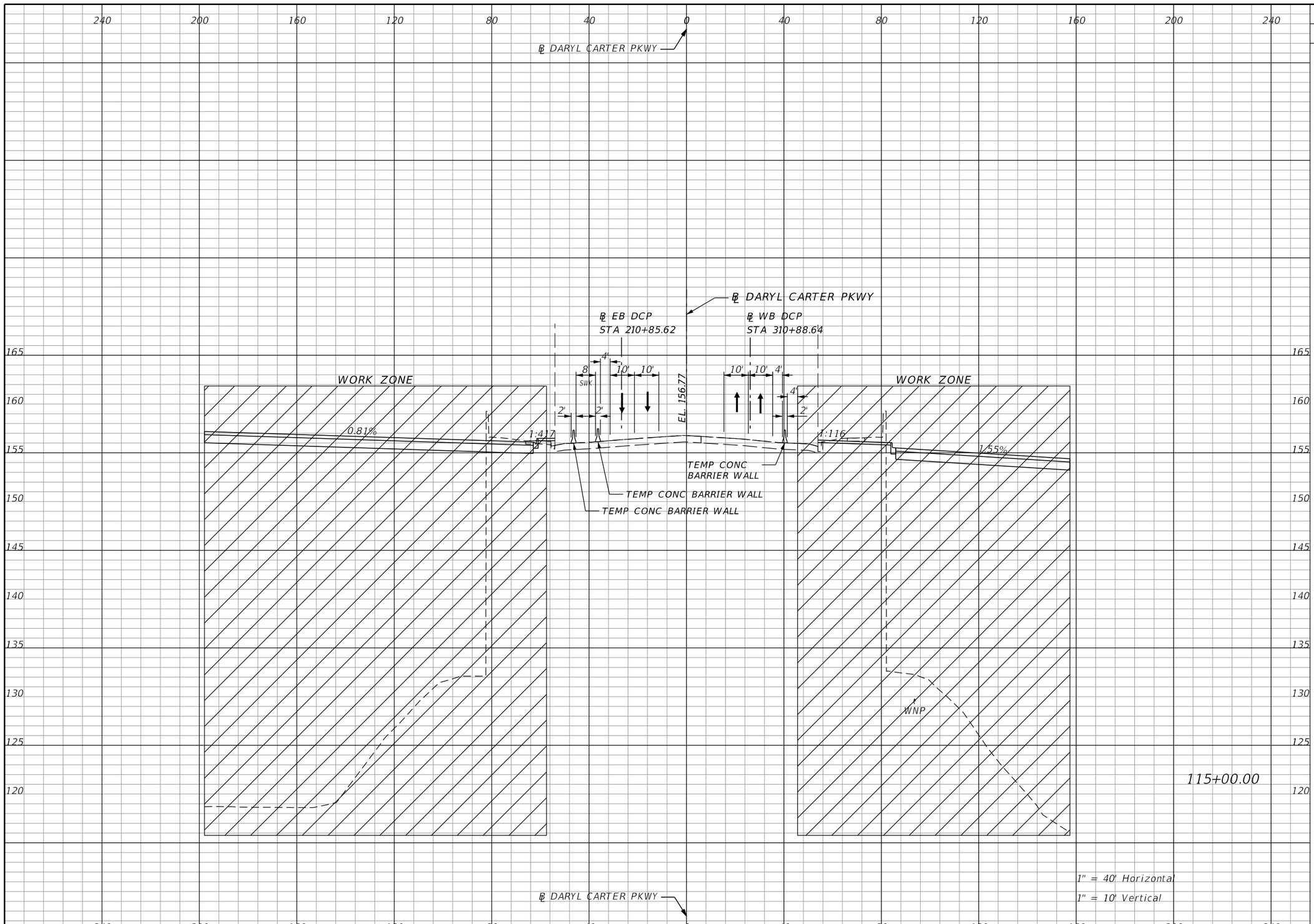
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY
PHASE 2 - STAGE 1
CROSS SECTIONS

SHEET NO. 616

robert.martini 8/22/2019 2:26:32 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DCP.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



1" = 40' Horizontal
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

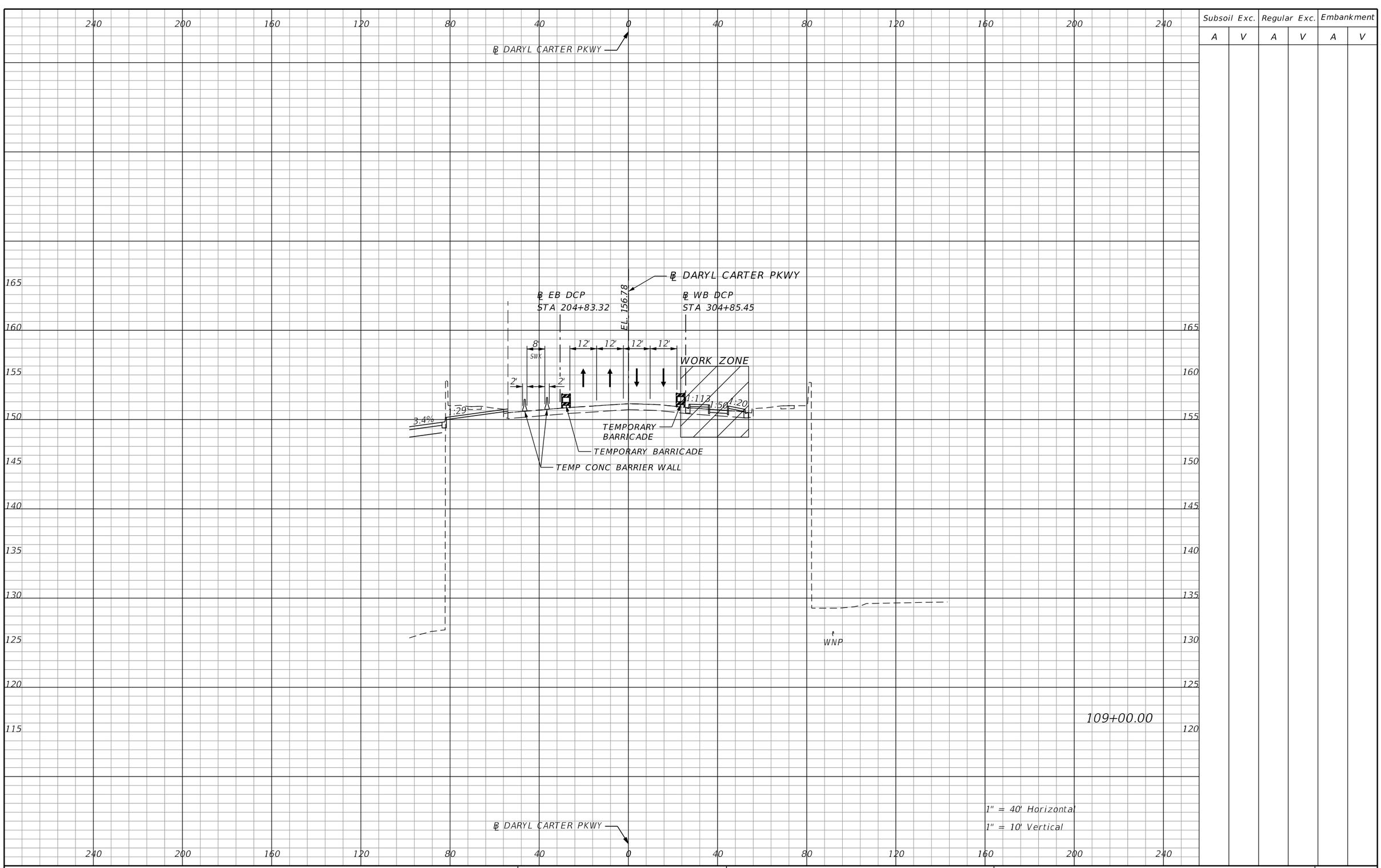
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY
PHASE 2 - STAGE 1
CROSS SECTIONS

SHEET NO. 617

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 2:26:33 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

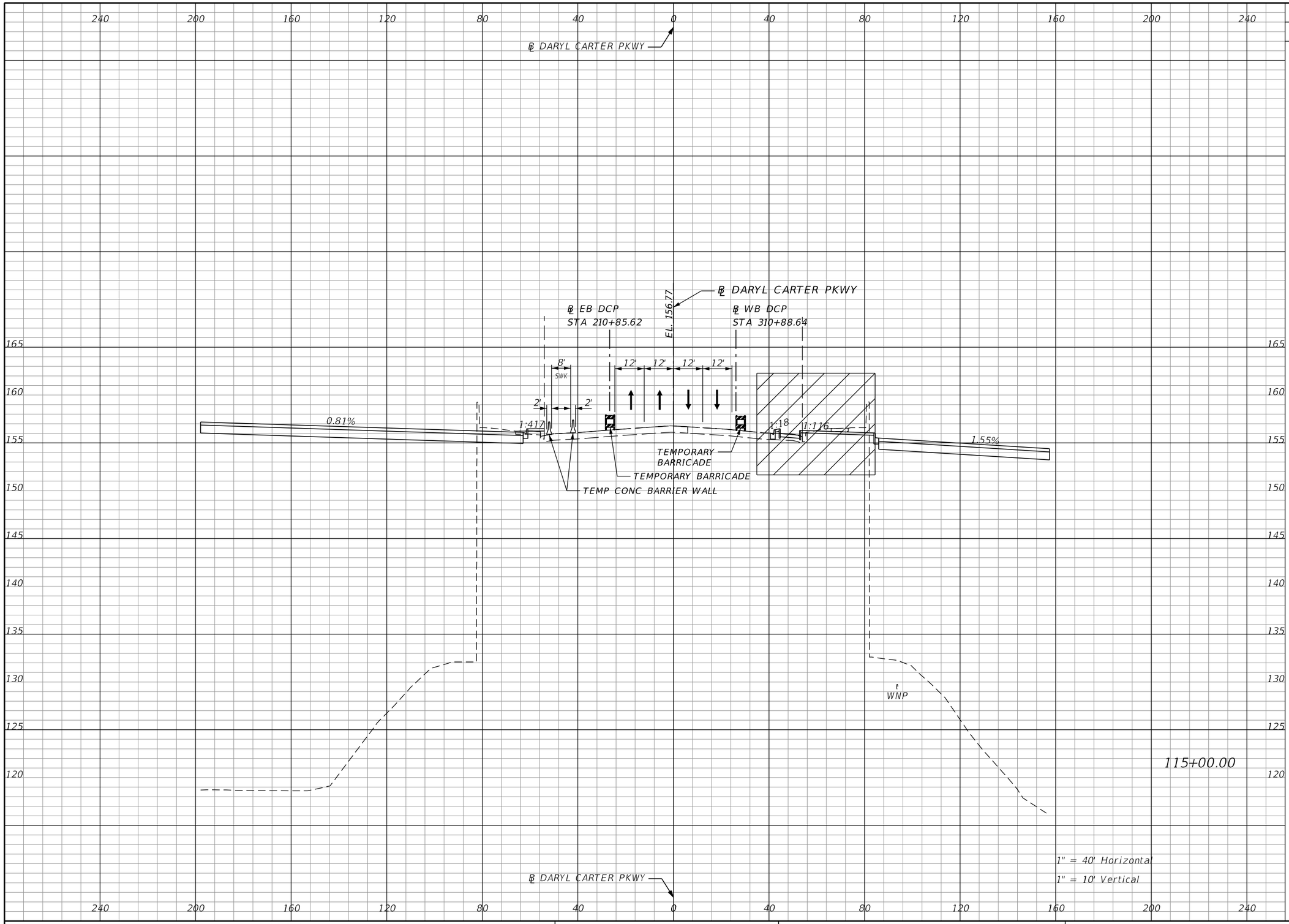
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY PHASE 2 - STAGE 2 CROSS SECTIONS

SHEET NO. 618

robert.martini 8/22/2019 2:26:35 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DCP.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

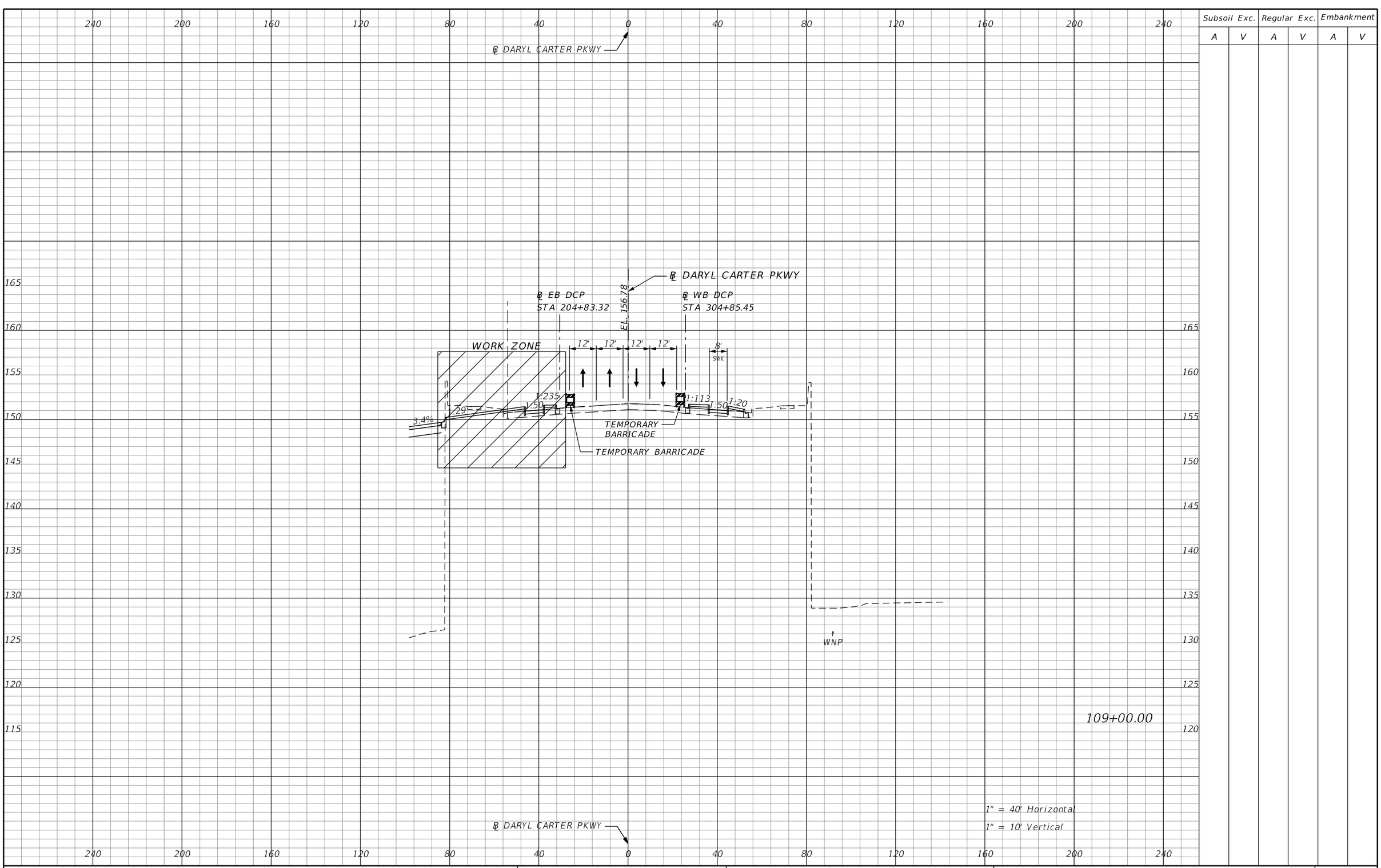
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY PHASE 2 - STAGE 2 CROSS SECTIONS

SHEET NO. 619

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 2:26:36 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

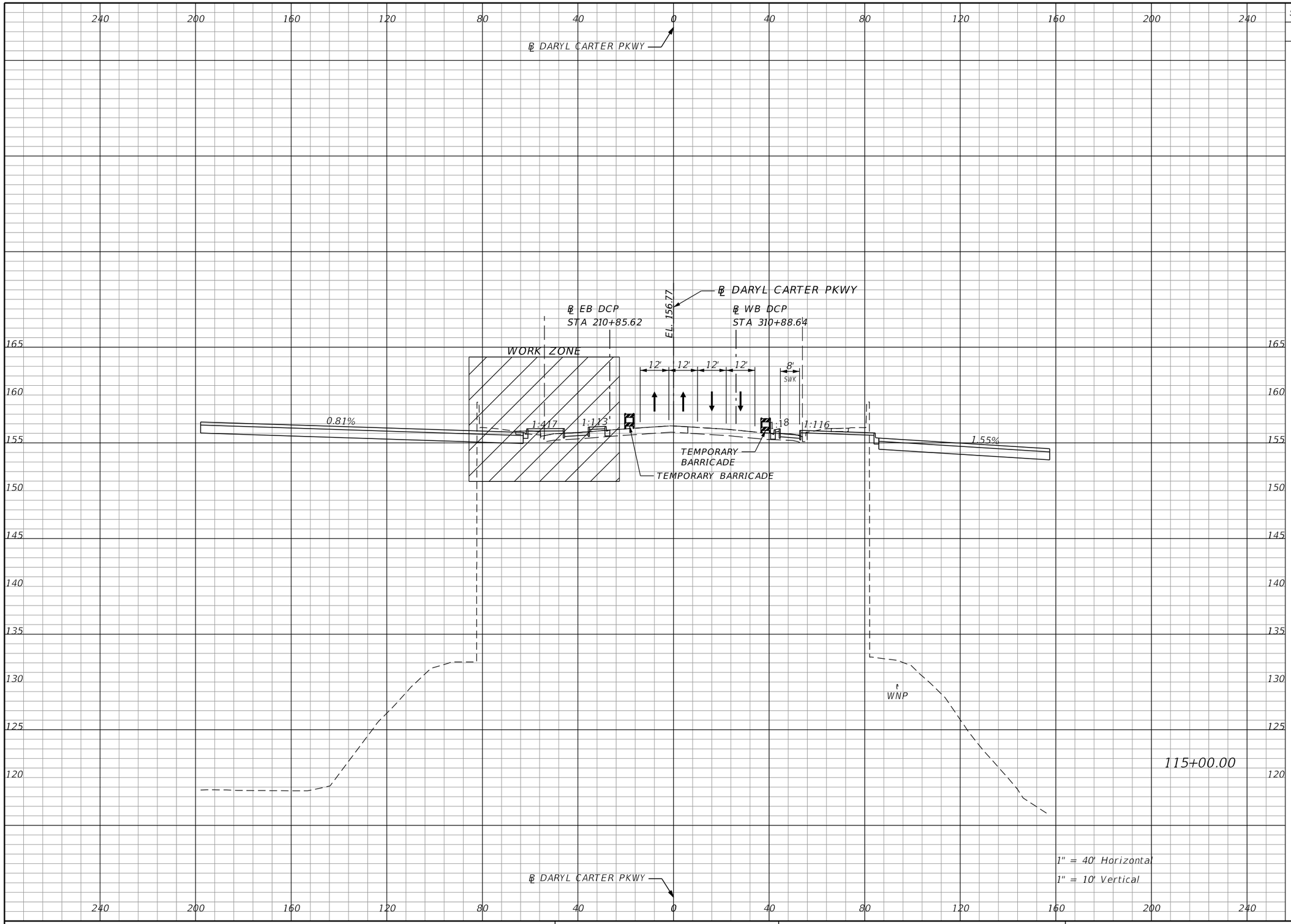
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY
PHASE 2 - STAGE 3
CROSS SECTIONS

SHEET NO. 620

robert.martini 8/22/2019 2:26:37 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DCP.DGN



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

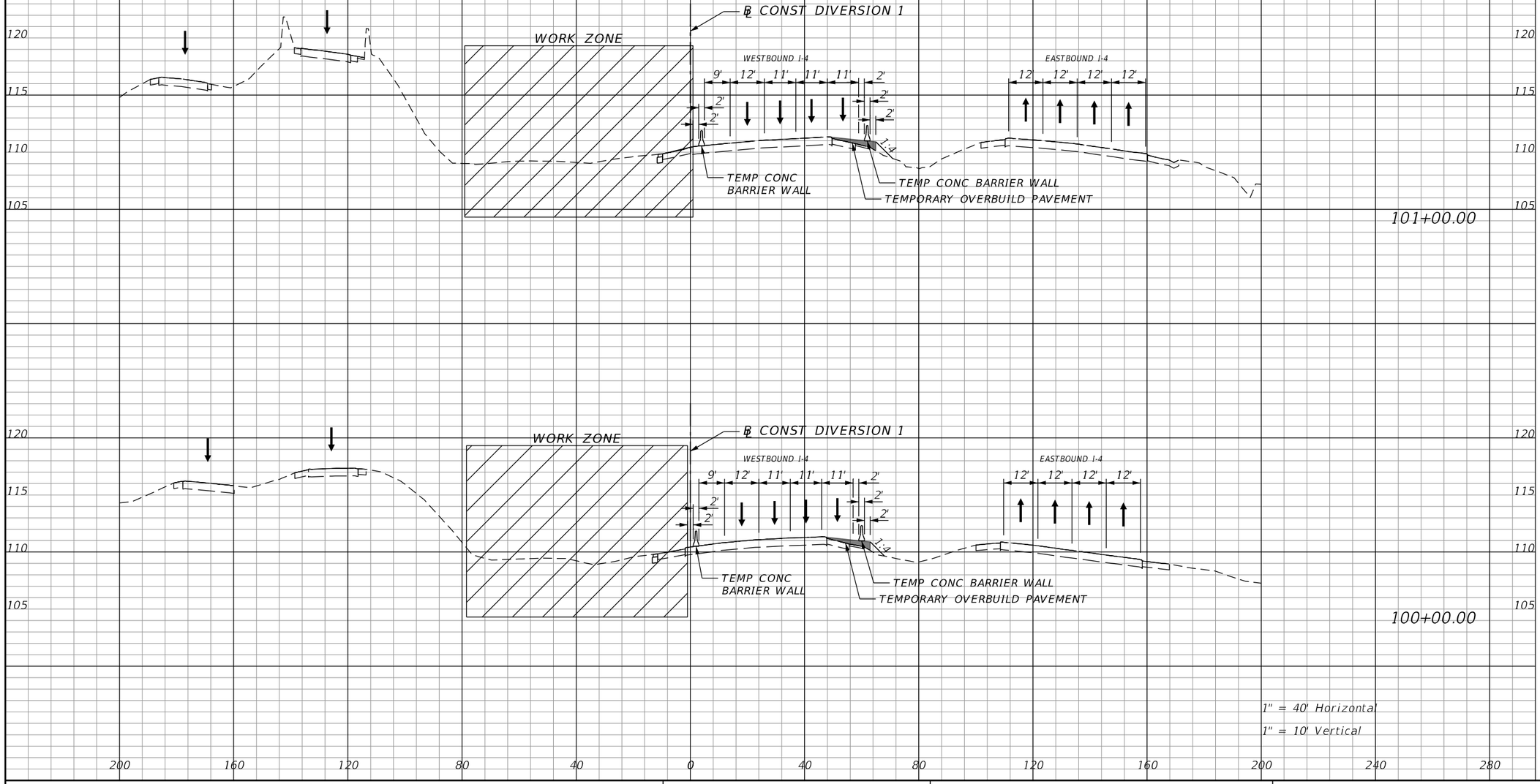
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY
PHASE 2 - STAGE 3
CROSS SECTIONS

SHEET NO. 621

robert.martini 8/22/2019 2:26:39 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DCP.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

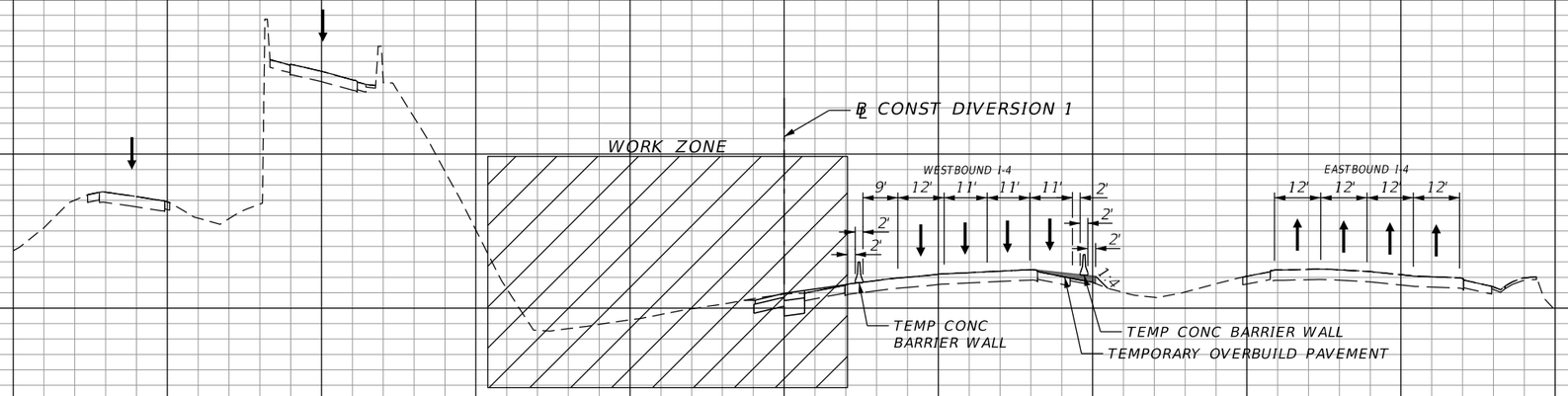
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

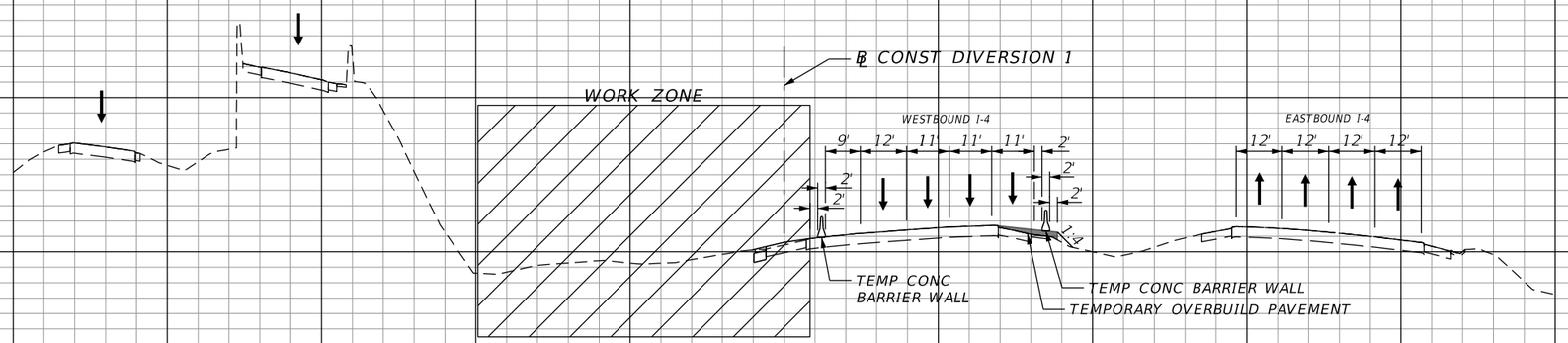
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DIVERSION 1
PHASE 1 - STAGE 1
CROSS SECTIONS

SHEET NO. 622

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V





200 160 120 80 40 0 40 80 120 160 200 240 280

130 125 120 115 110 105

1" = 40' Horizontal

1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

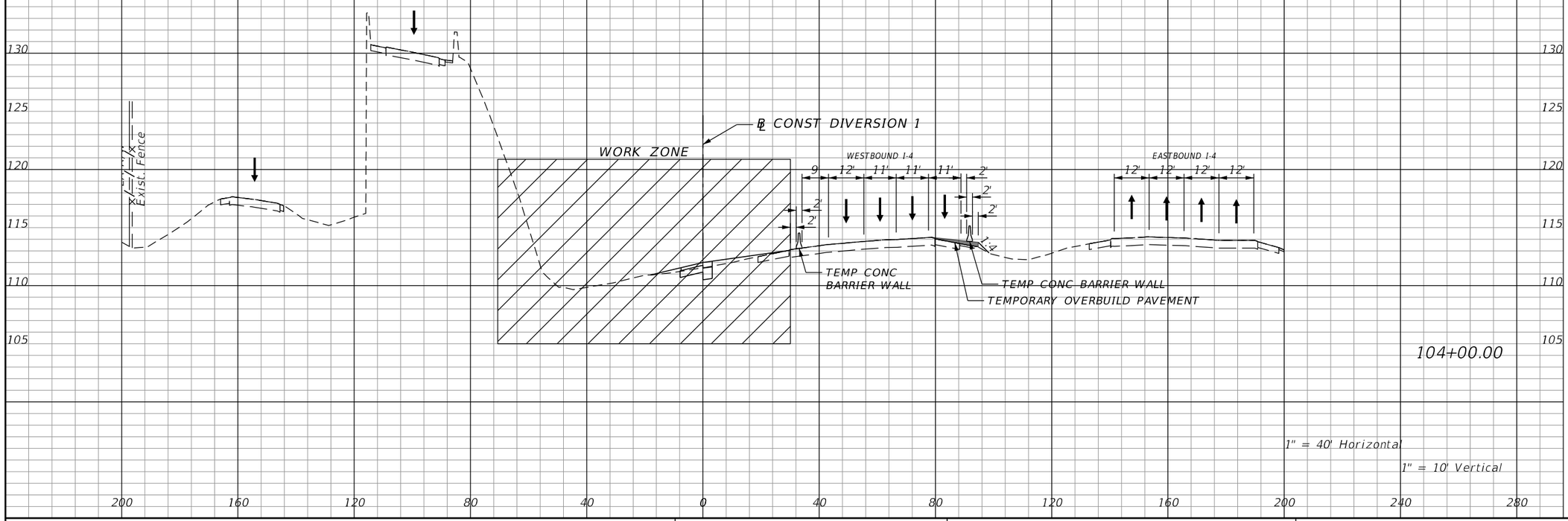
DIVERSION 1 PHASE 1 - STAGE 1 CROSS SECTIONS

SHEET NO. 623

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:13:50 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DIV01.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

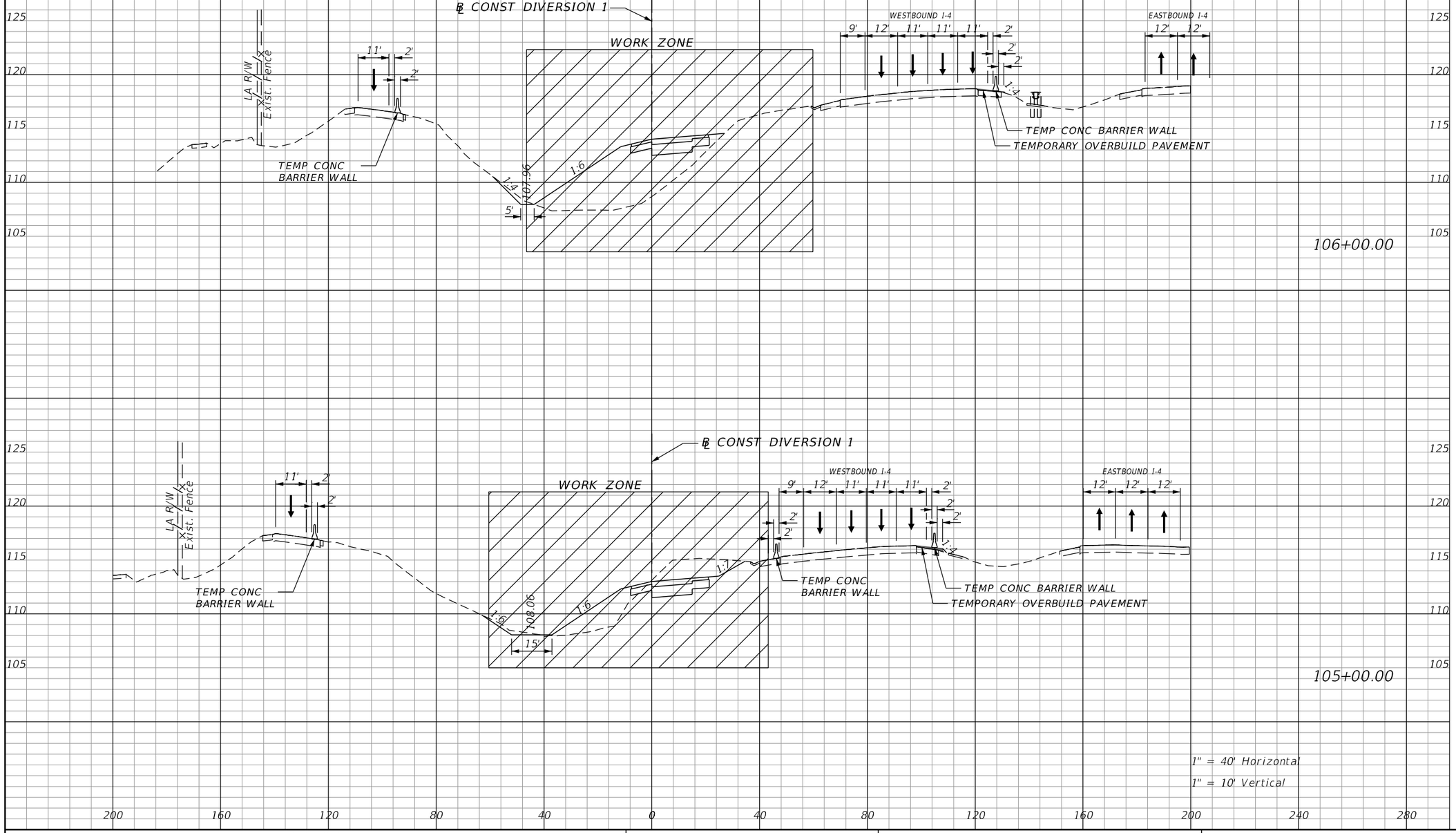
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DIVERSION 1
PHASE 1 - STAGE 1
CROSS SECTIONS

SHEET NO. 624

robert.martini 8/22/2019 1:13:55 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DIV01.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

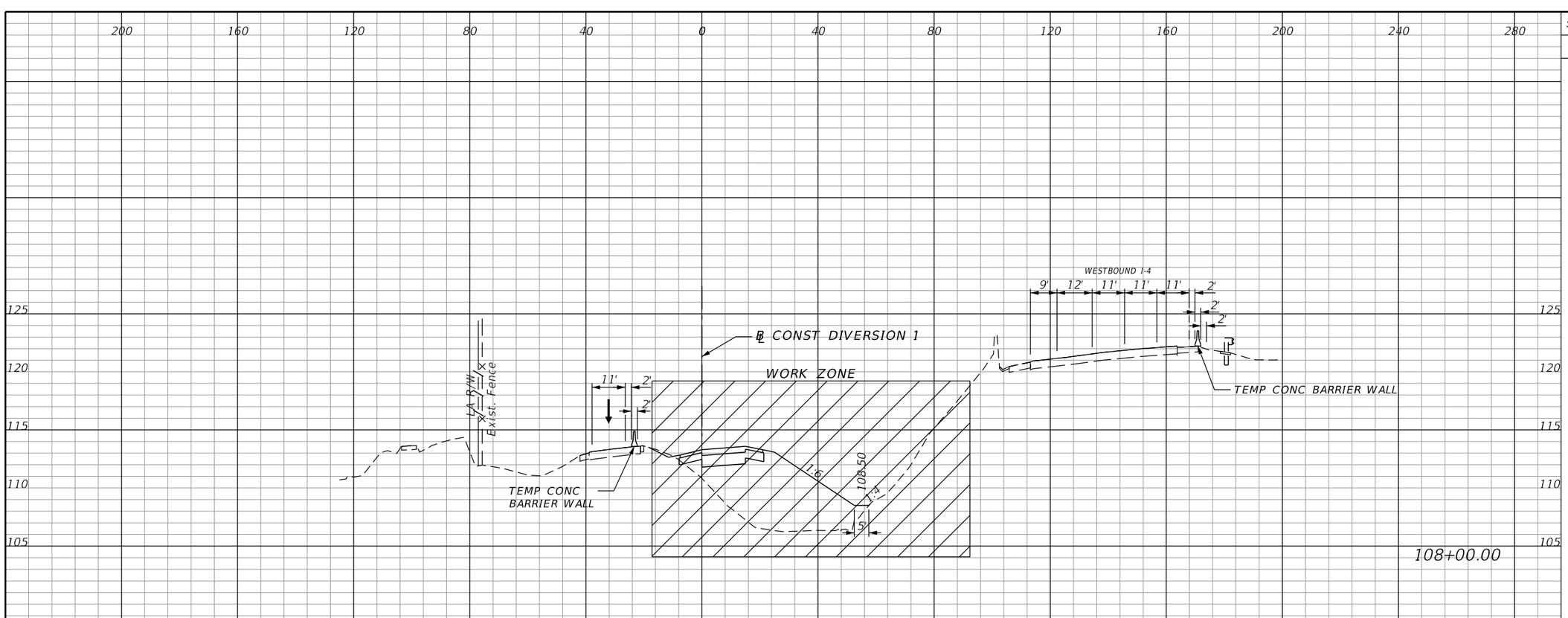
DIVERSION 1
PHASE 1 - STAGE 1
CROSS SECTIONS

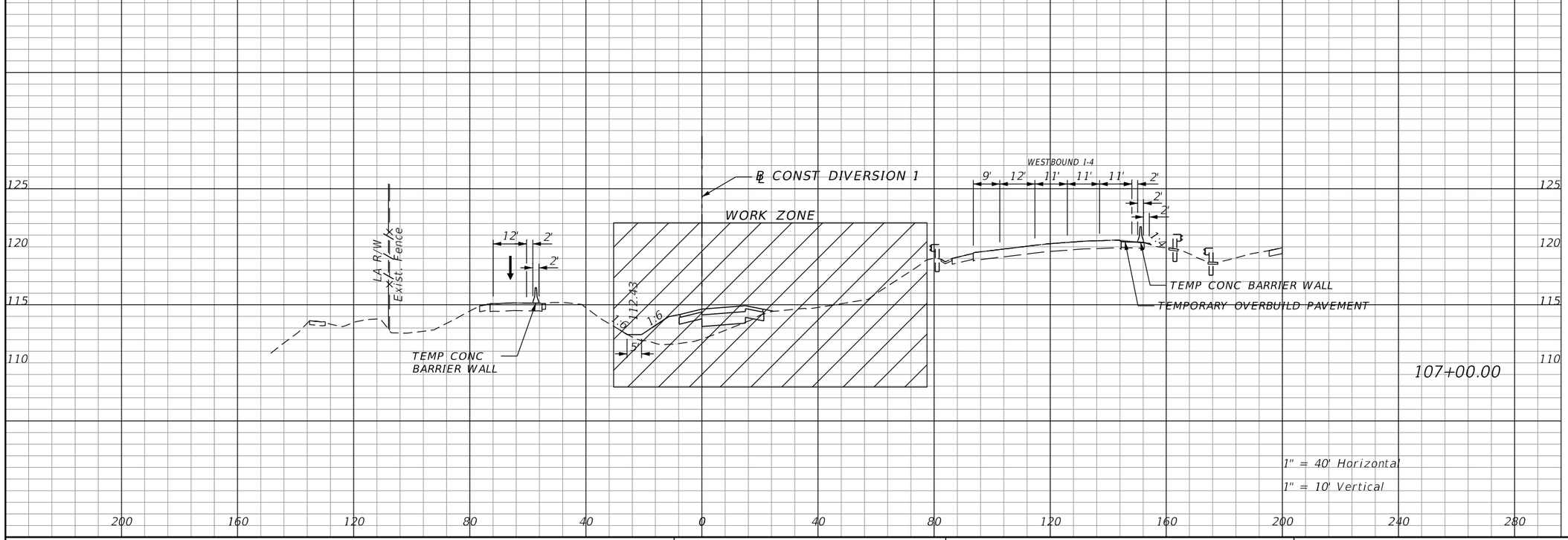
SHEET NO. 625

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:14:01 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DIV01.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

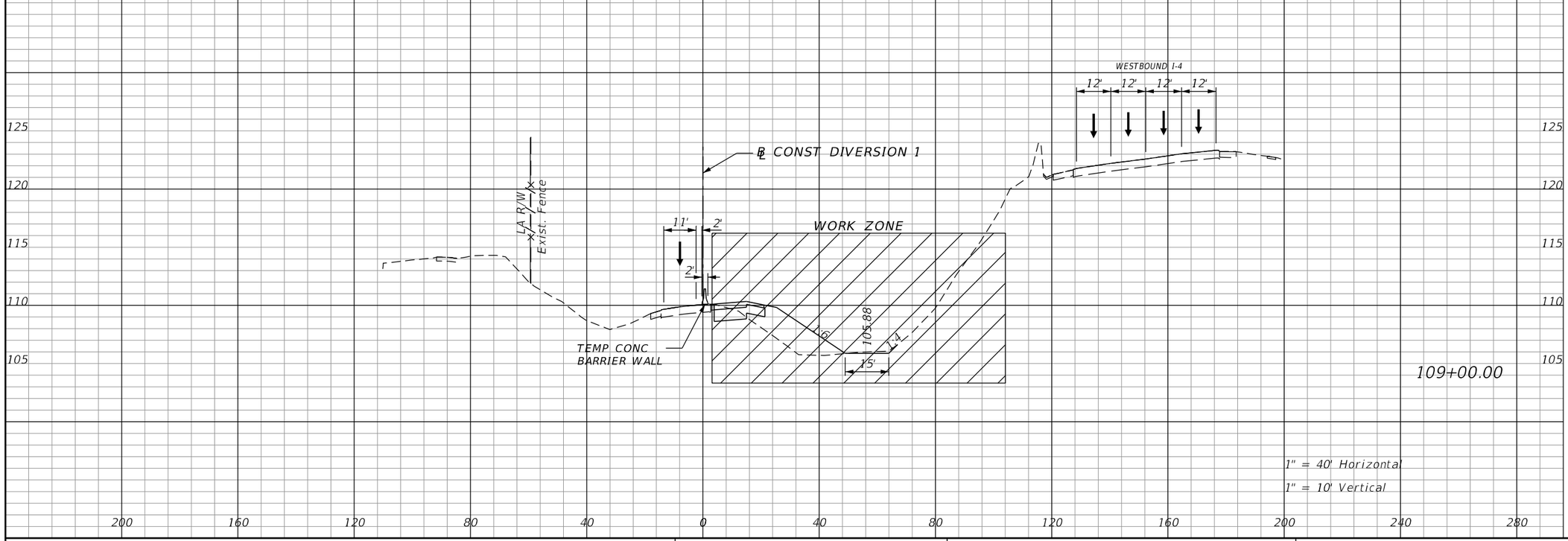
DIVERSION 1
PHASE 1 - STAGE 1
CROSS SECTIONS

SHEET NO. 626

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:14:07 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DIV01.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

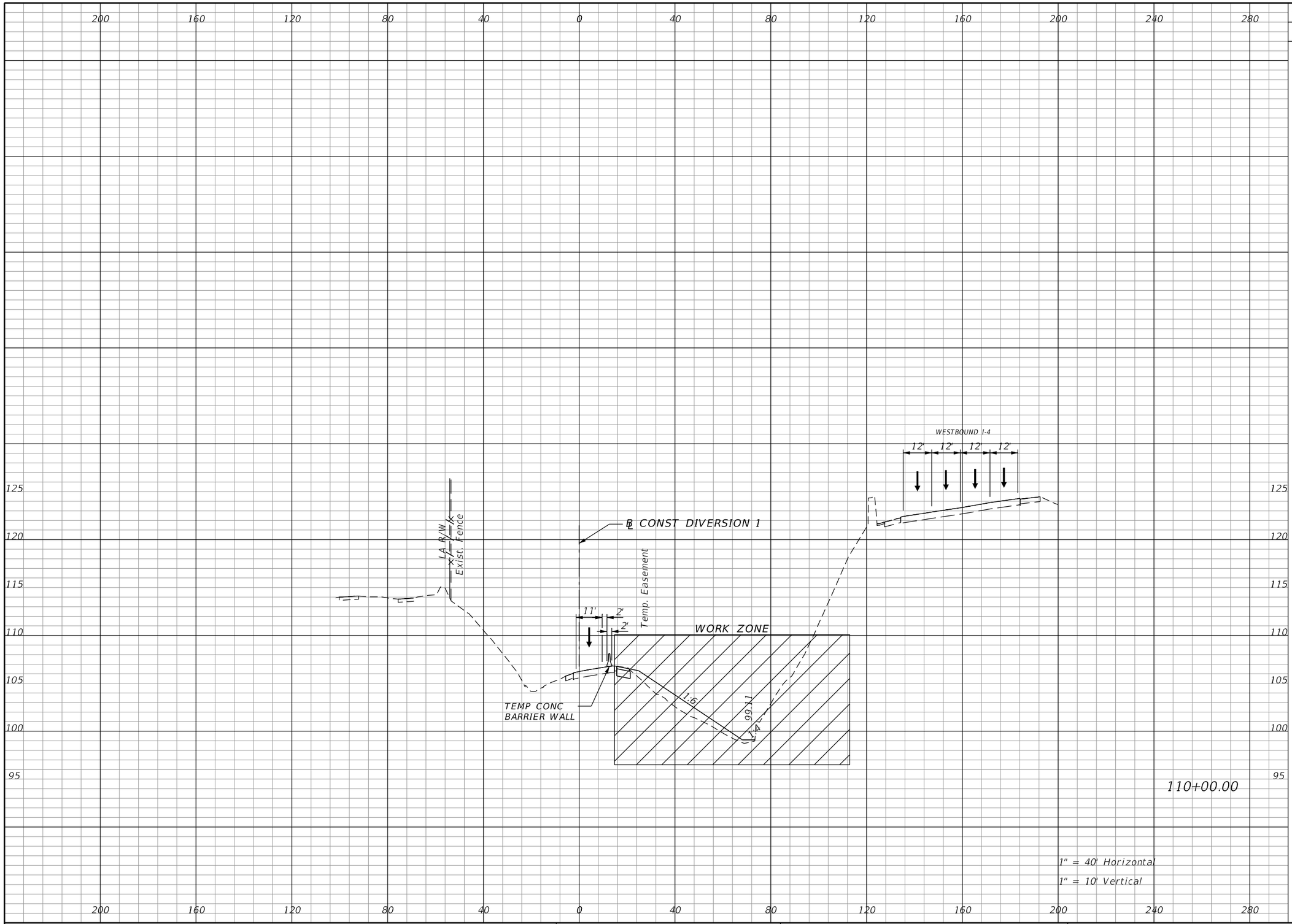
DIVERSION 1
PHASE 1 - STAGE 1
CROSS SECTIONS

SHEET NO. 627

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:14:12 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DIV01.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

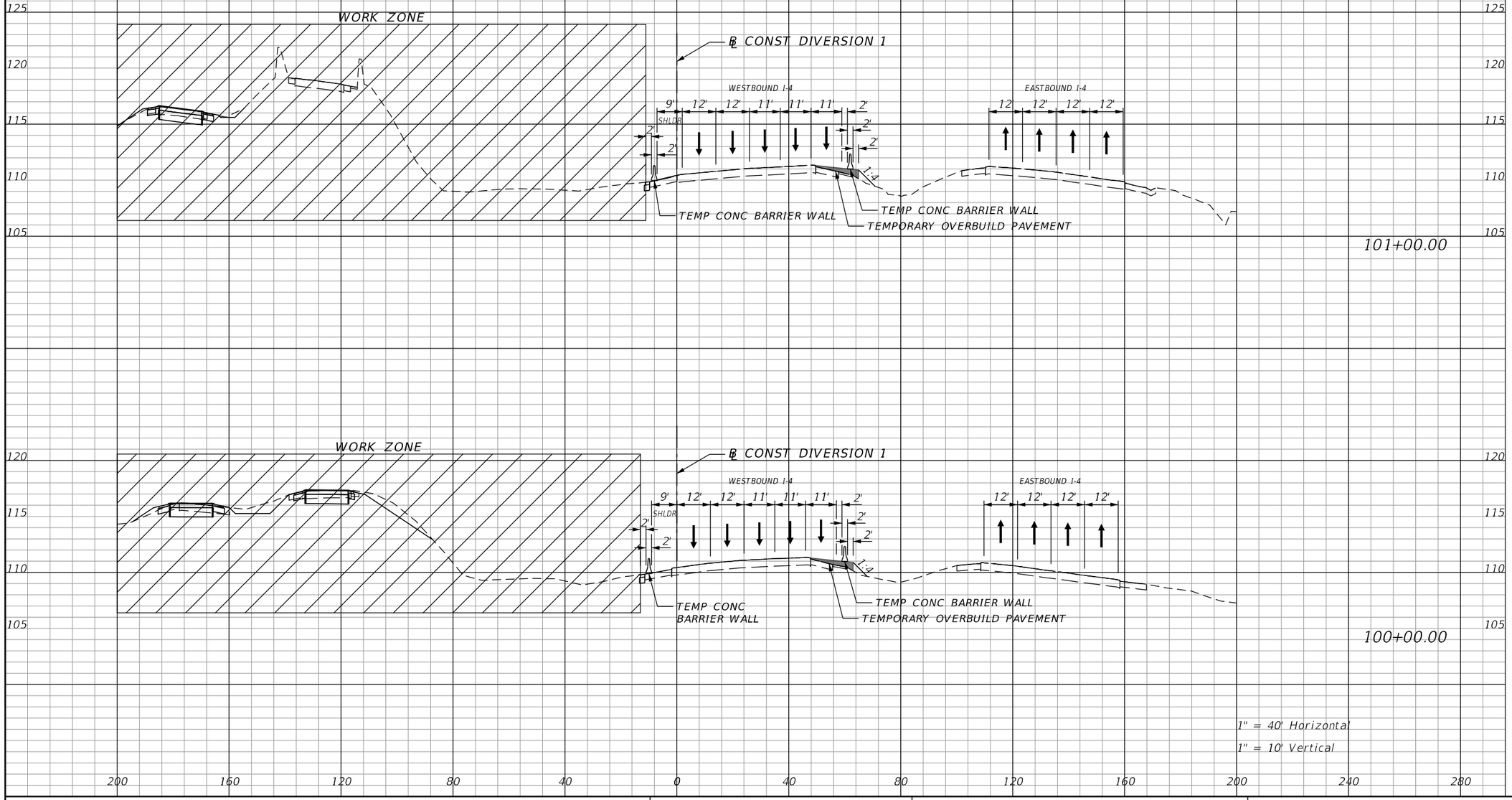
DIVERSION 1
PHASE 1 - STAGE 1
CROSS SECTIONS

SHEET NO. 628

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:14:18 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DIV01.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

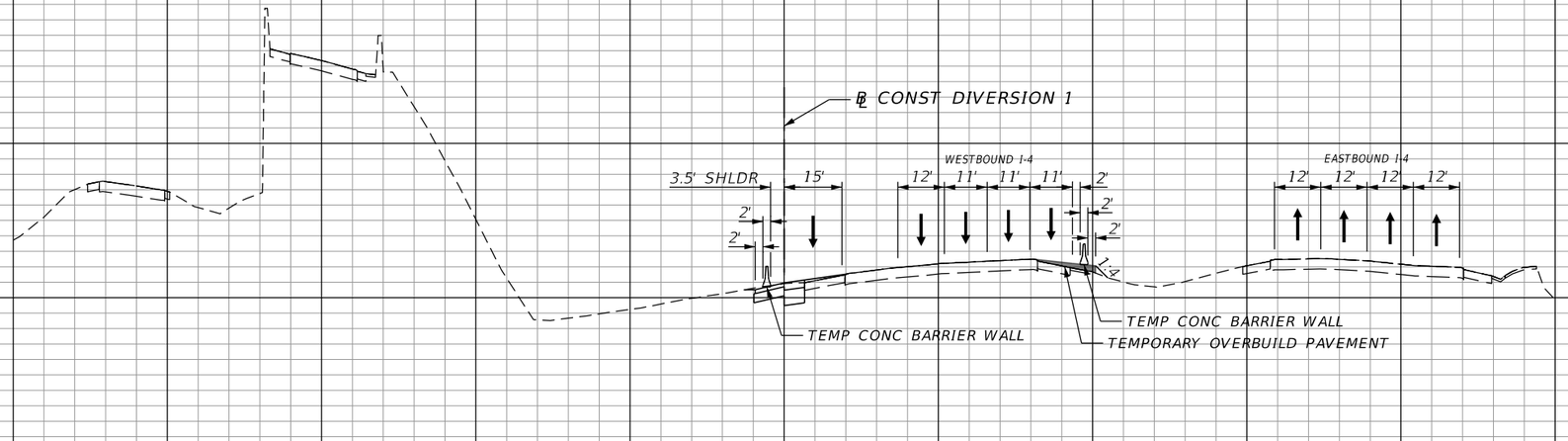
DIVERSION 1
PHASE 1 - STAGE 3
CROSS SECTIONS

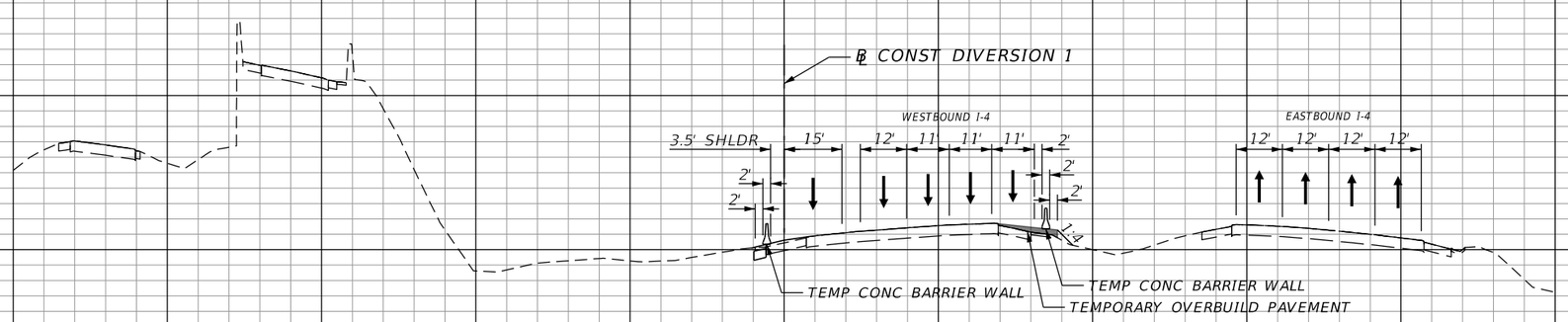
SHEET NO. 629

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:14:23 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DIV01.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V





1" = 40' Horizontal

1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

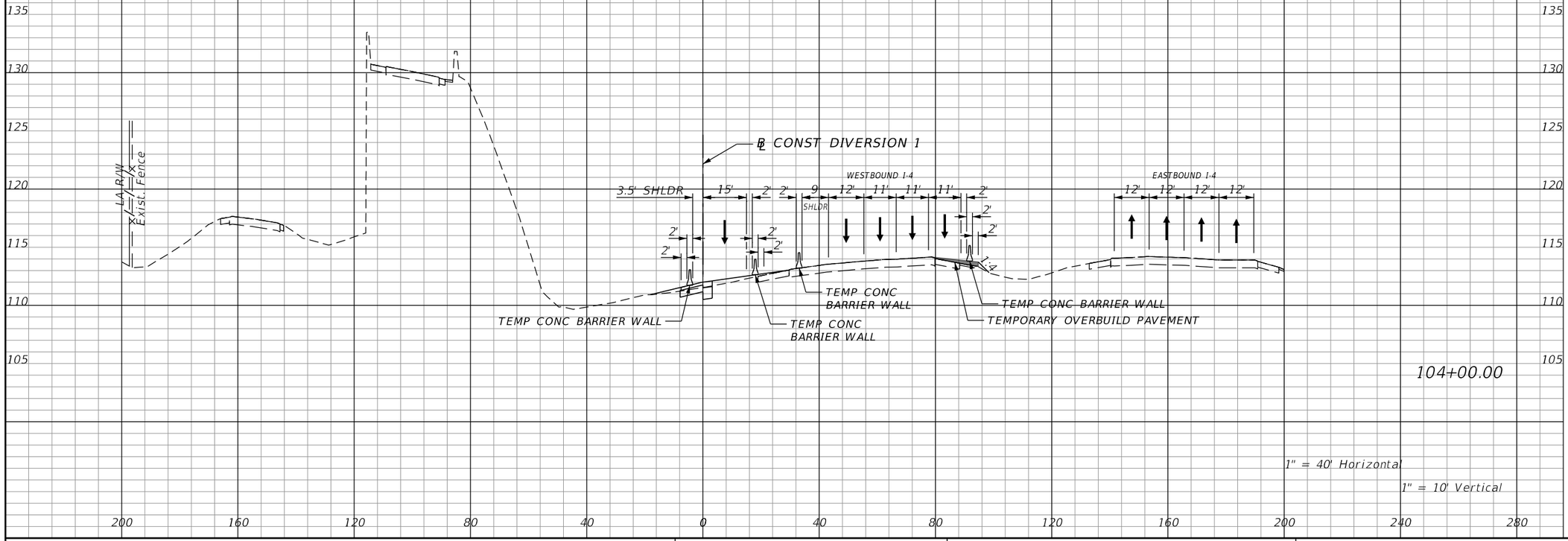
DIVERSION 1
PHASE 1 - STAGE 3
CROSS SECTIONS

SHEET NO. 630

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:14:28 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DIV01.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

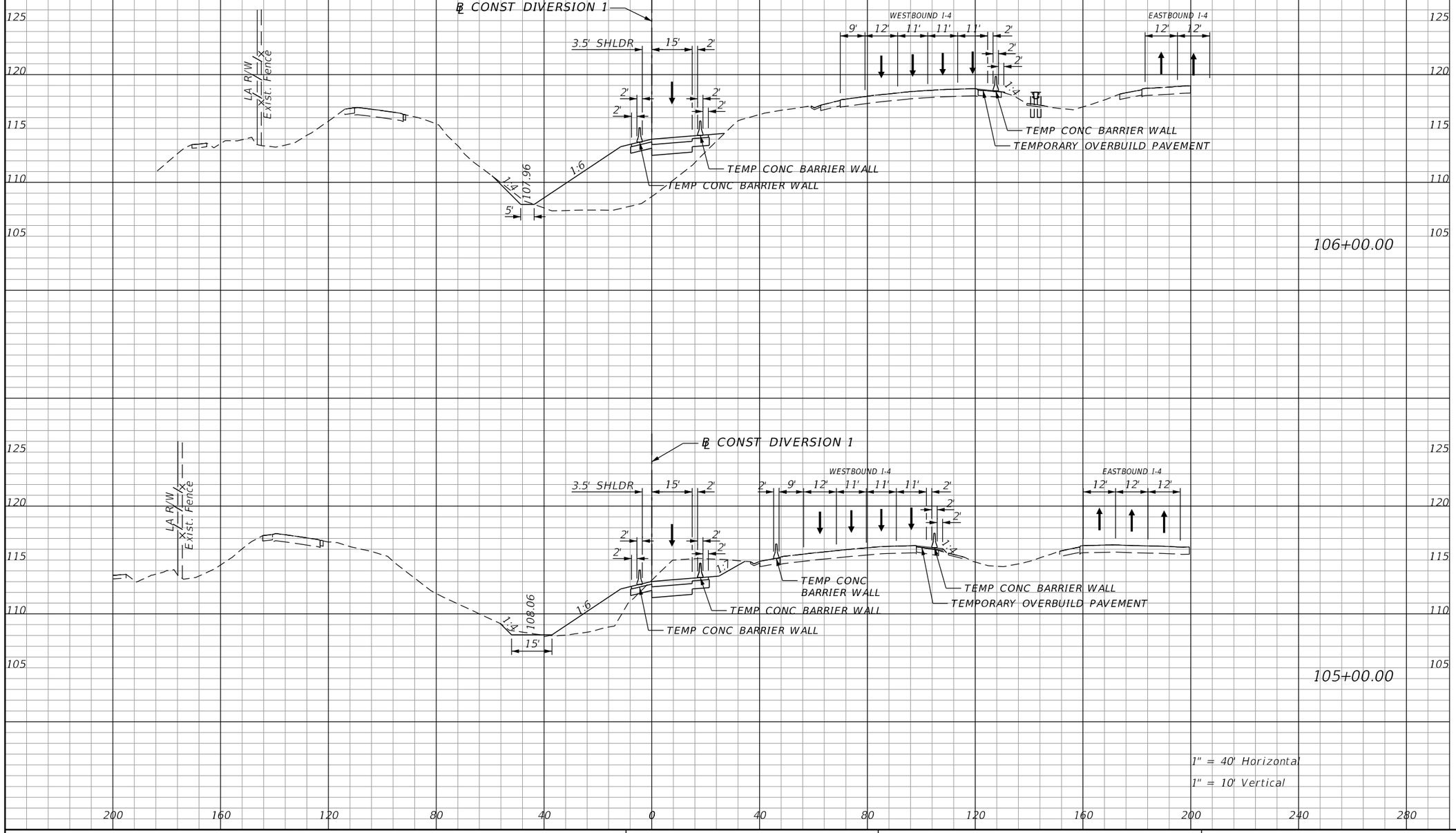
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DIVERSION 1 PHASE 1 - STAGE 3 CROSS SECTIONS

SHEET NO. 631

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

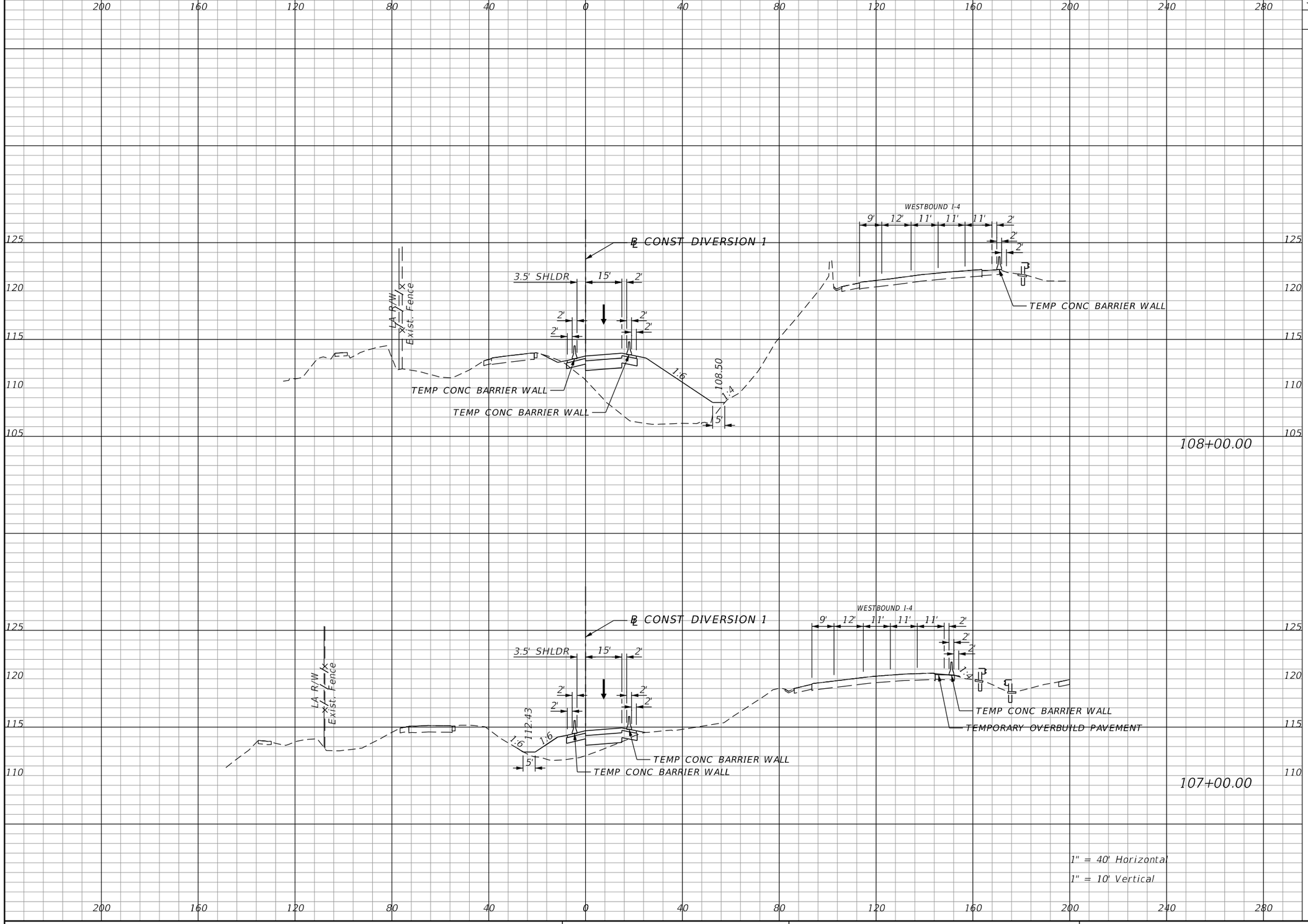
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DIVERSION 1
PHASE 1 - STAGE 3
CROSS SECTIONS

SHEET NO. 632

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

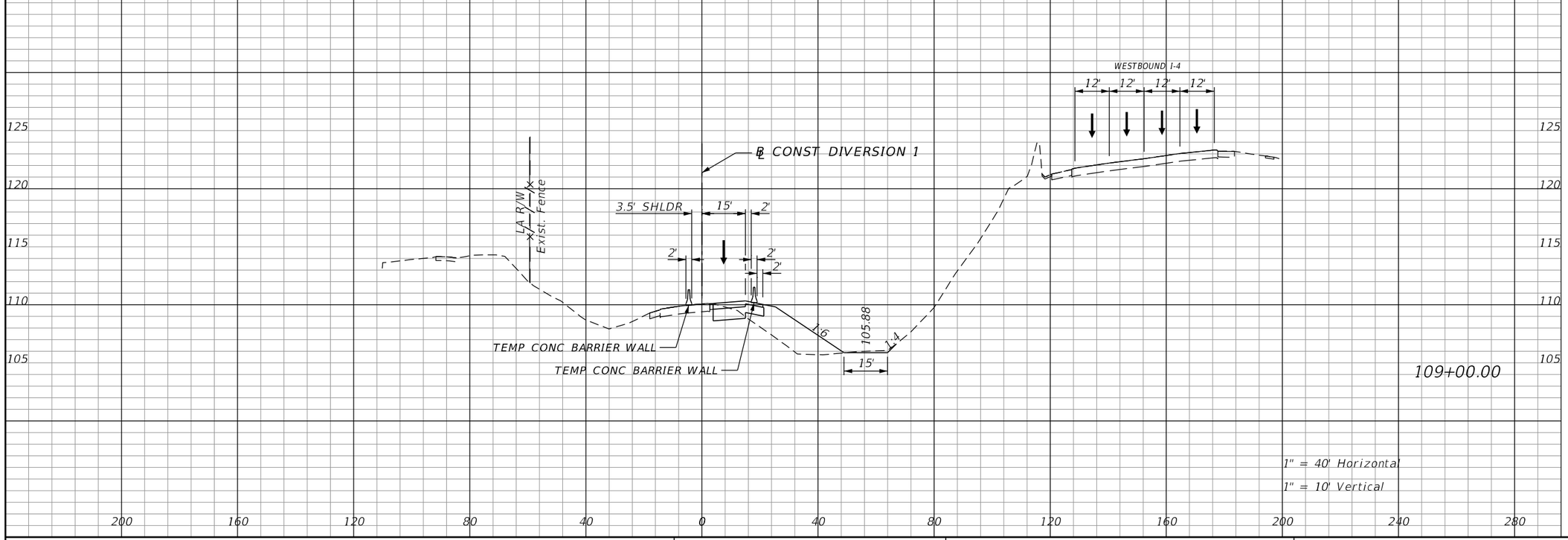
DIVERSION 1
PHASE 1 - STAGE 3
CROSS SECTIONS

SHEET NO. 633

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:14:44 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DIV01.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

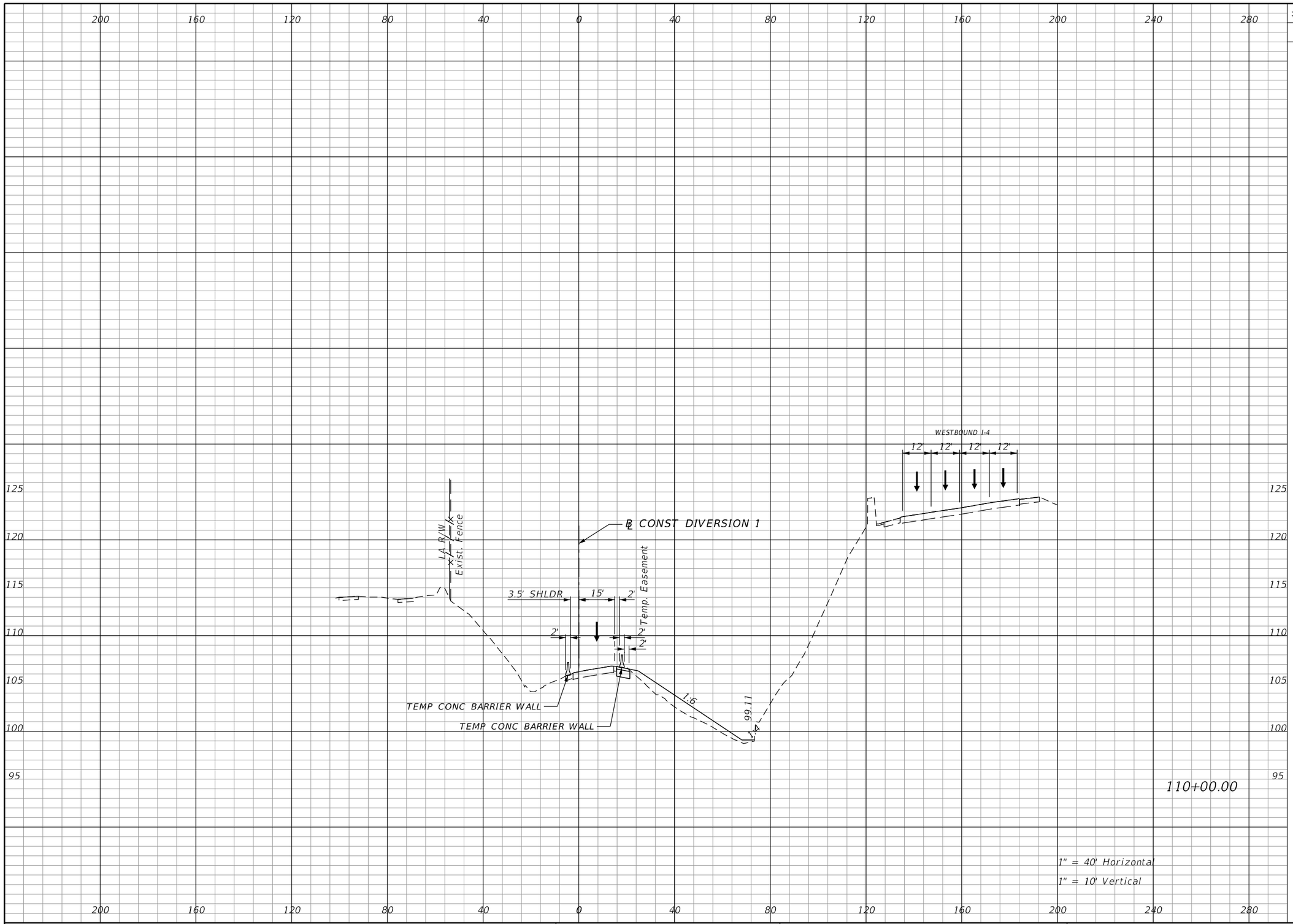
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DIVERSION 1
PHASE 1 - STAGE 3
CROSS SECTIONS

SHEET NO. 634

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

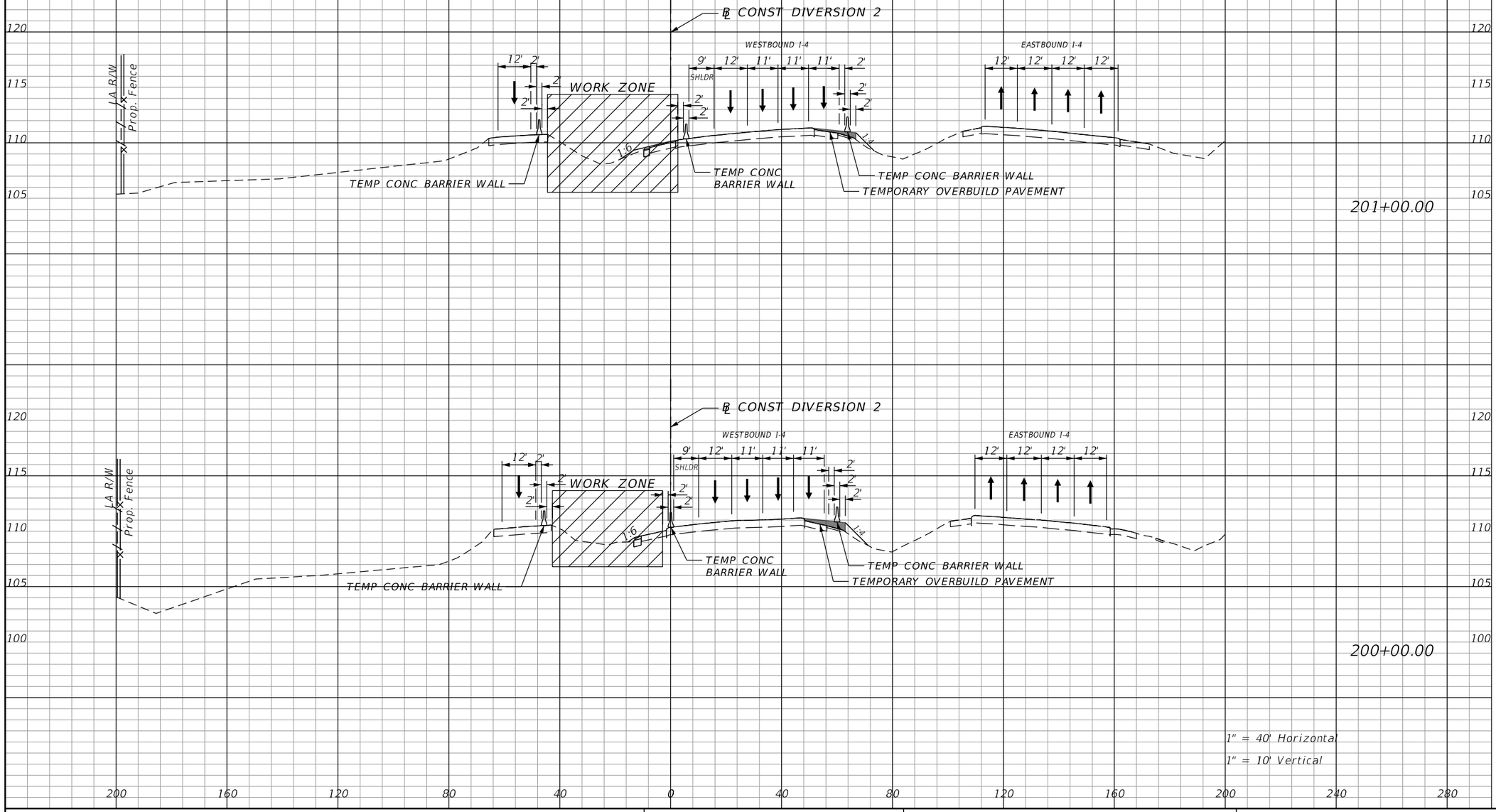
DIVERSION 1
PHASE 1 - STAGE 3
CROSS SECTIONS

SHEET NO. 635

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:15:02 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DIV01.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

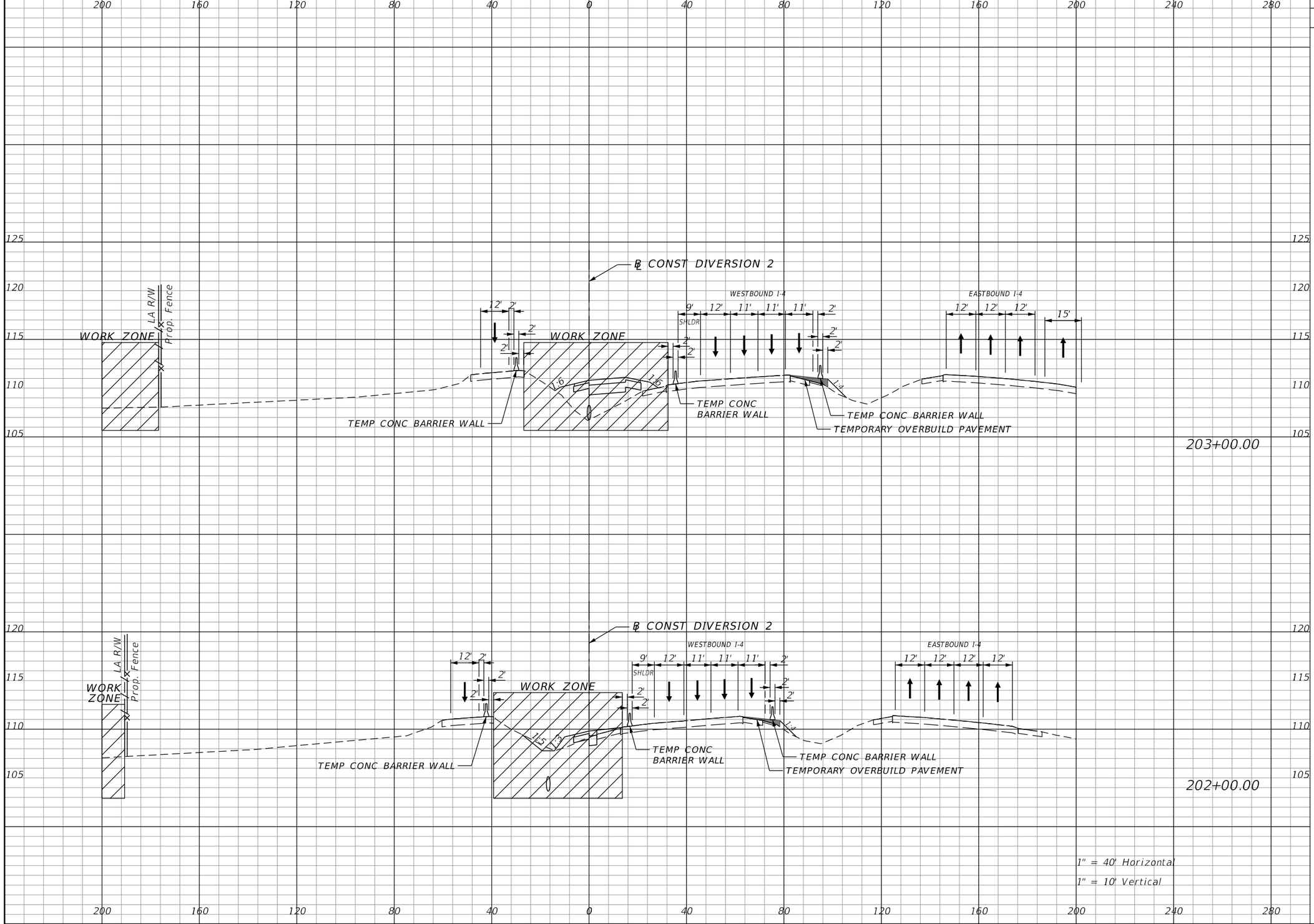
DIVERSION 2 PHASE 1 - STAGE 1 CROSS SECTIONS

SHEET NO. 636

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:15:05 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DIV02.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

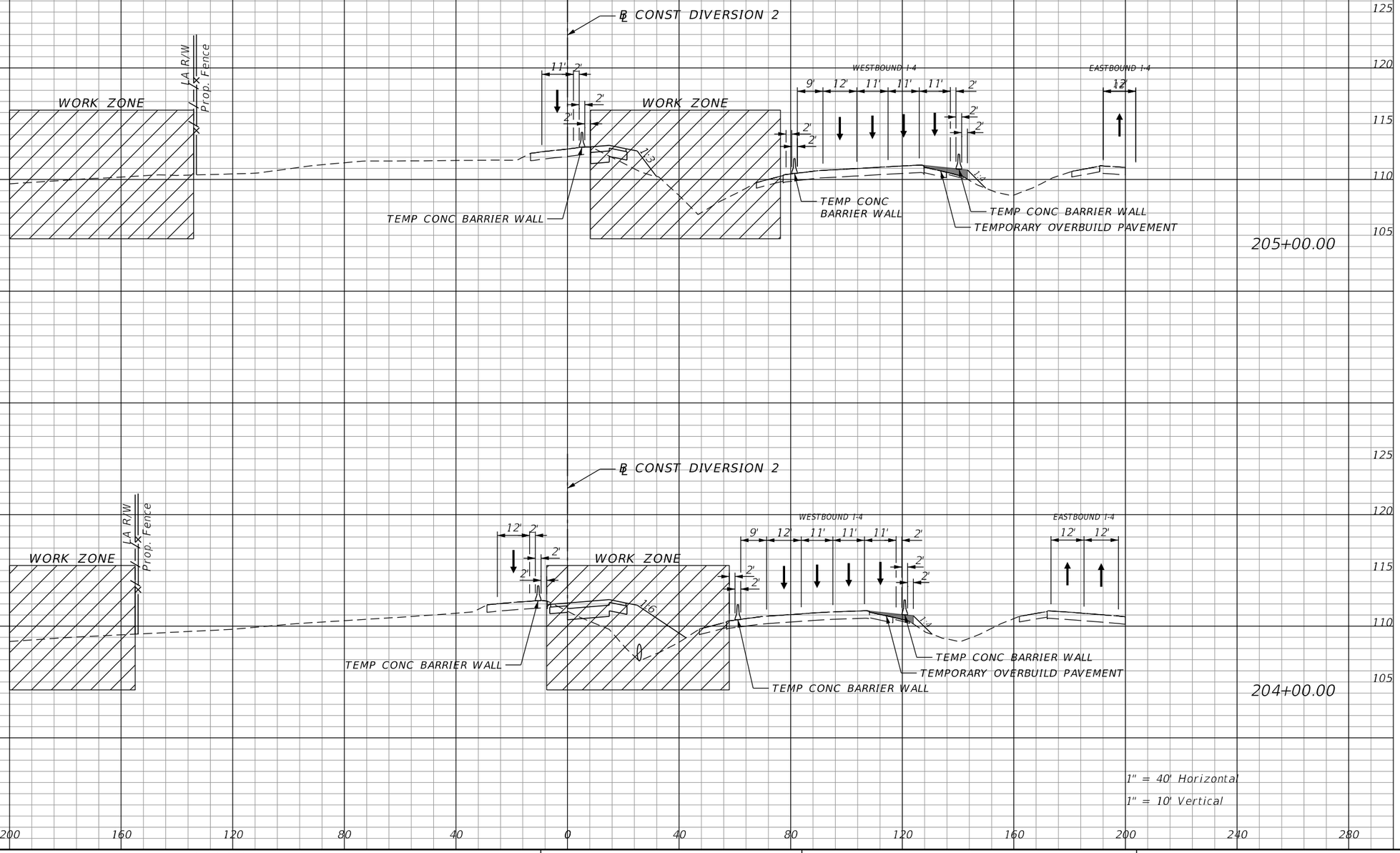
DIVERSION 2 PHASE 1 - STAGE 1 CROSS SECTIONS

SHEET NO. 637

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:15:08 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DIV02.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

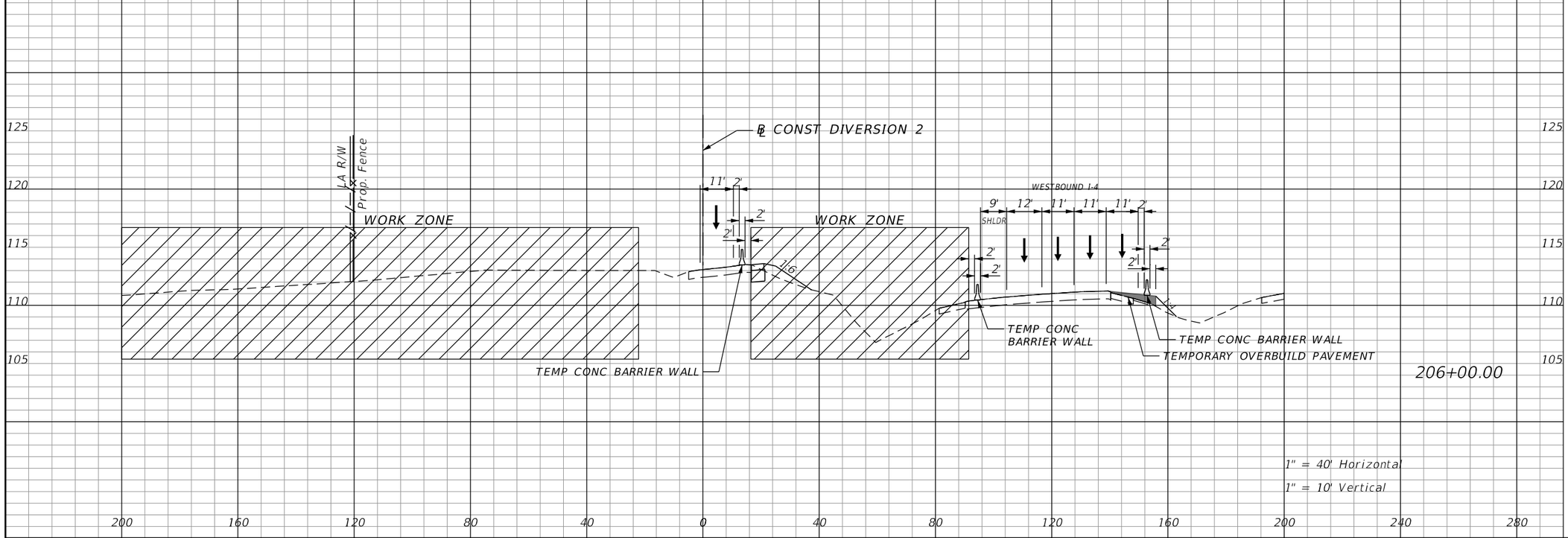
DIVERSION 2 PHASE 1 - STAGE 1 CROSS SECTIONS

SHEET NO. 638

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:15:12 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DIV02.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

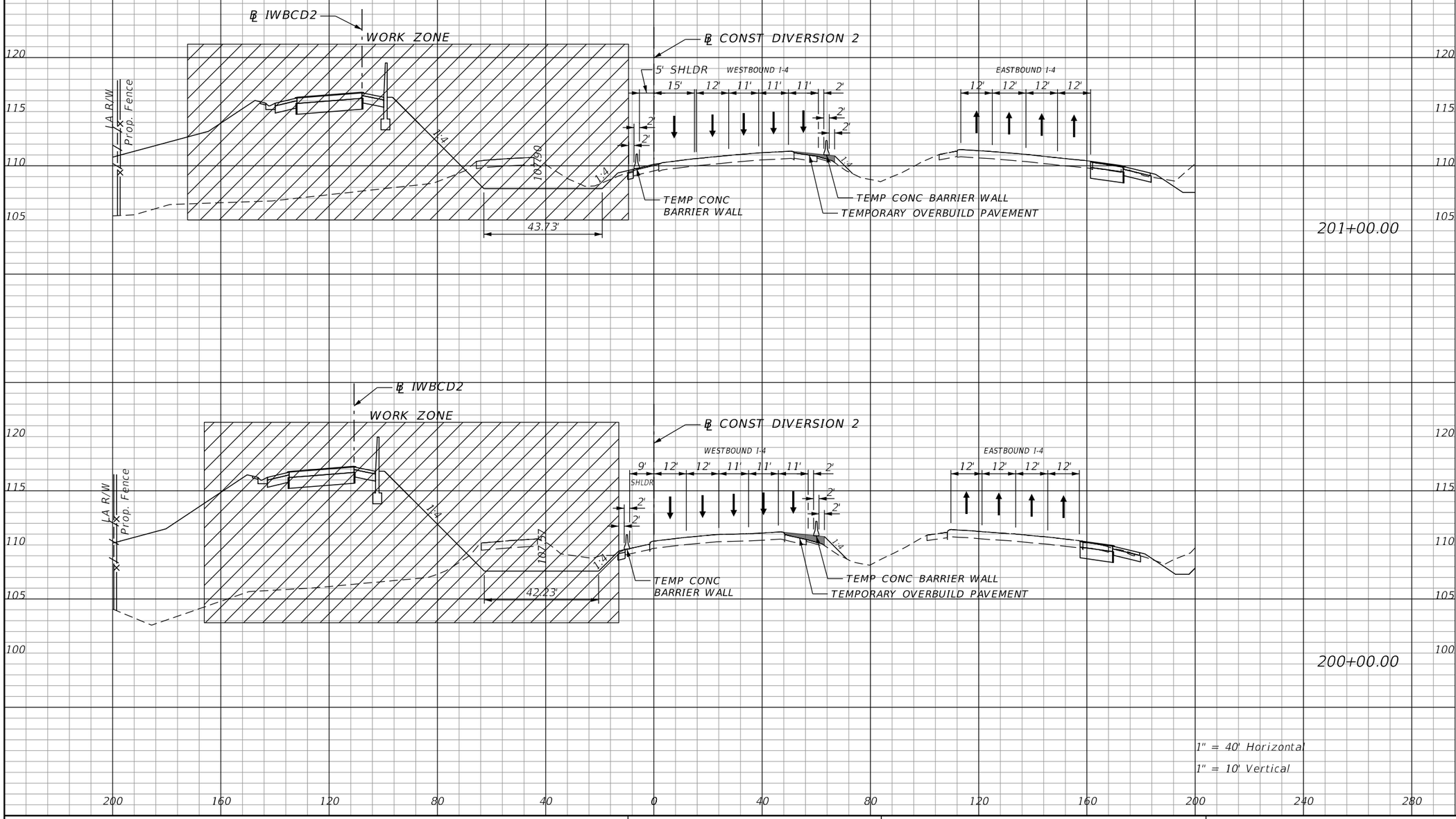
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DIVERSION 2 PHASE 1 - STAGE 1 CROSS SECTIONS

SHEET NO. 639

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

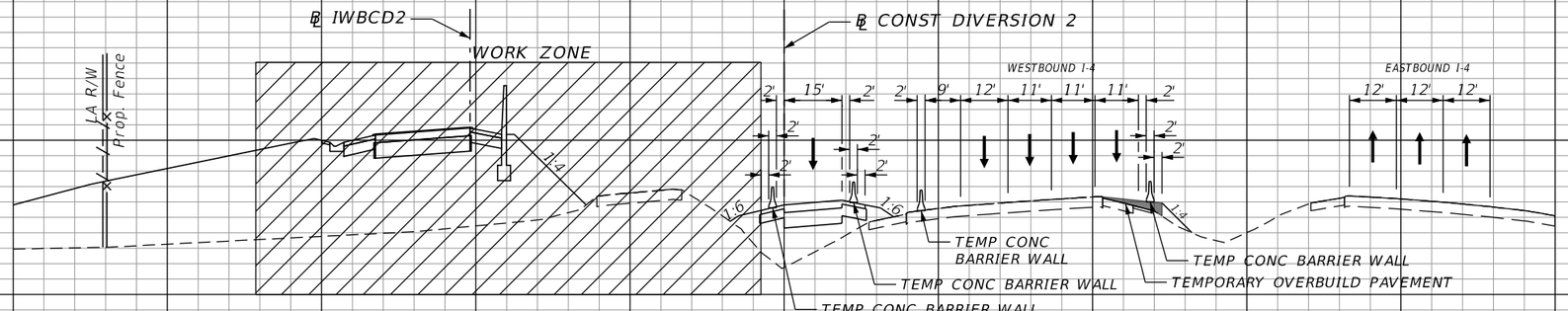
DIVERSION 2 PHASE 1 - STAGE 2 CROSS SECTIONS

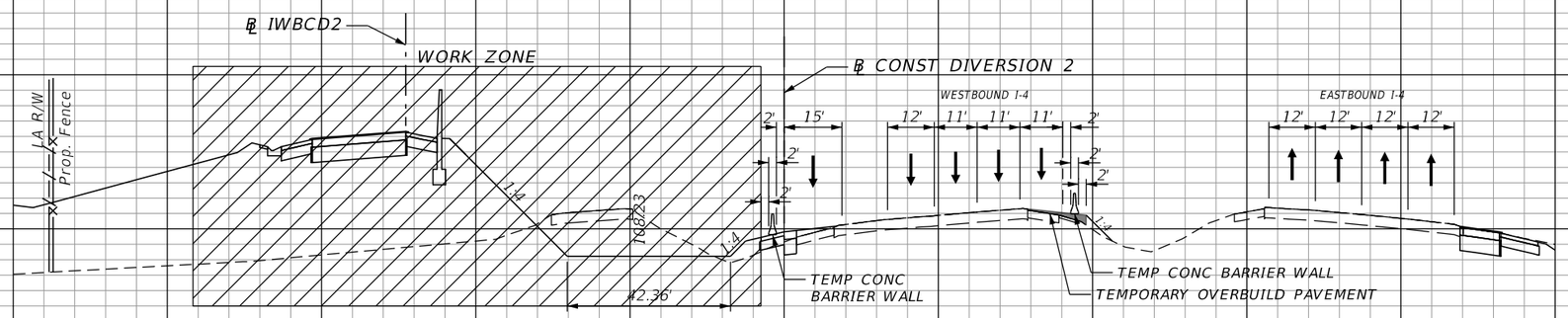
SHEET NO. 640

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:15:19 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DIV02.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V





1" = 40' Horizontal
1" = 10' Vertical

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

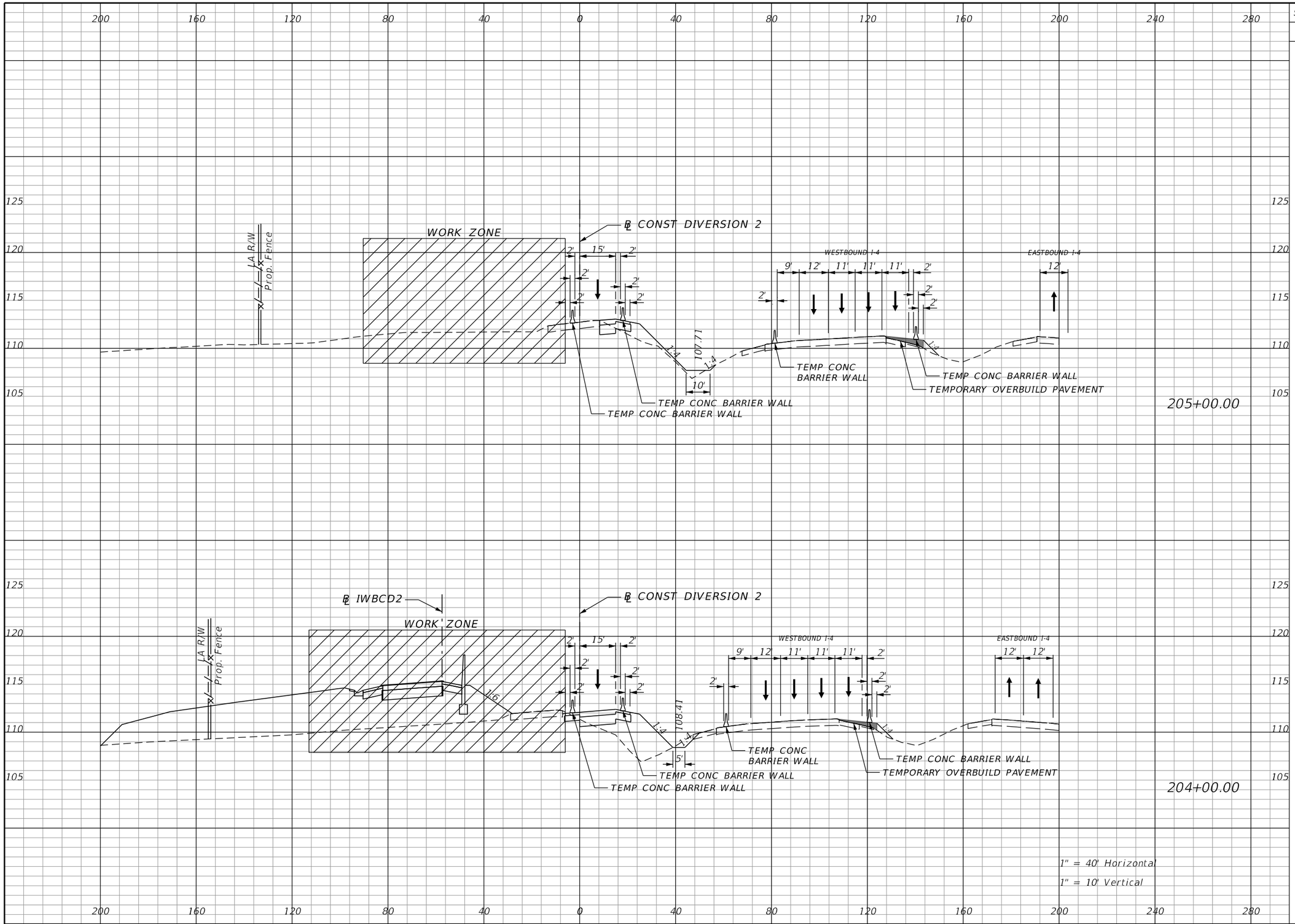
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DIVERSION 2 PHASE 1 - STAGE 2 CROSS SECTIONS

SHEET NO. 641

robert.martini 8/22/2019 1:15:23 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DIV02.DGN

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

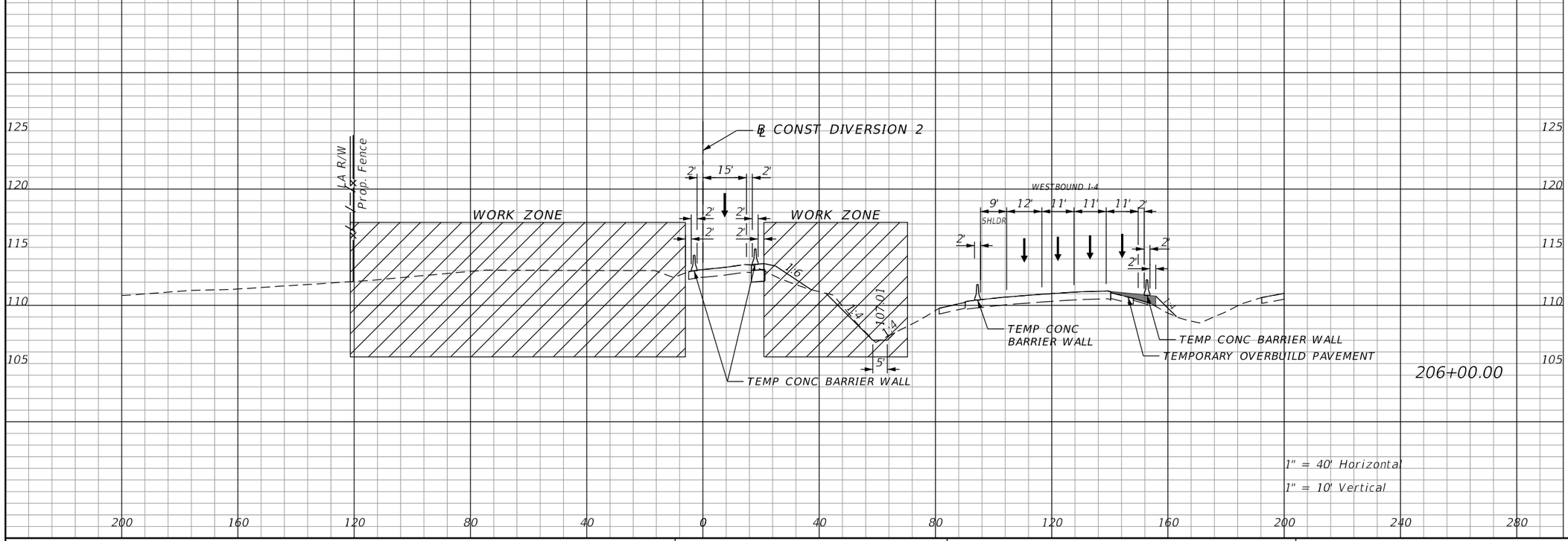
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DIVERSION 2 PHASE 1 - STAGE 2 CROSS SECTIONS

SHEET NO. 642

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DIVERSION 2 PHASE 1 - STAGE 2 CROSS SECTIONS

SHEET NO. 643

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

robert.martini 8/22/2019 1:15:31 PM c:\pwworking\aecom_na\rmartini\d0177900\TCTYRD00_DIV02.DGN

NOTES:

1. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.

2. UTILITY/AGENCY OWNERS:

COMPANIES	CONTACT PERSONS	TELEPHONE NUMBERS
AT&T DISTRIBUTION	ALAN REYNOLDS	(407) 351-8180
CHARTER COMMUNICATIONS	MARVIN USRY, JR.	(407) 532-8509
CENTURYLINK	MARLON N. BROWN	(863) 452-3132
COMCAST COMMUNICATIONS	CESAR RIVERA	(352) 315-8528
DUKE ENERGY DISTRIBUTION	ROBB BROWN	(352) 459-4671
DUKE ENERGY TRANSMISSION	JENNIFER WILLIAMS	(813) 909-1210
DUKE ENERGY FIBER	MARK HURST	(727) 820-5208
CENTURYLINK FKA LEVEL 3 COMMUNICATIONS	DEREK BROEKER	(636) 887-4747
ORANGE COUNTY PUBLIC WORKS	CATHY EVANGELO	(407) 836-8034
ORANGE COUNTY UTILITIES	JOSE HERNANDEZ	(407) 254-9718
ORLANDO TELEPHONE D/B/A SUMMIT BROADBAND	AARON PICKLE	(321) 356-2995
SMART CITY TELECOM	DAVID CAWLEY	(407) 828-6648
TECO	SHAWN WINSOR	(407) 232-5257
VERIZON/MCI	TIM COLE	(407) 618-2078
FLORIDA GAS TRANSMISSION	JOE SANCHEZ	(407) 838-7171
REEDY CREEK	PEGGY KNOWLES	(407) 560-6539

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Thomas M. Pridgen, P.E.
P.E. License No. 18495
CARDNO, INC.
402 SOUTH NORTHLAKE BLVD.,
SUITE 1004
ALTAMONTE SPRINGS, FL 32701
CERTIFICATE OF AUTHORIZATION
NO. 3843

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

UTILITY GENERAL NOTES

SHEET NO. 644

SUMMARY OF VERIFIED UTILITIES

TEST HOLE (V_{th} #)	UTILITY DESCRIPTION	UTILITY SIZE (INCHES)	UTILITY MATERIAL	B/L or C/L STATION	OFFSET	LT/RT	EXISTING GROUND ELEVATION (FEET	TOP ELEVATION (FEET)	COMMENTS
1-8	OCU, FM	UNK	UNK	619+53.30	101.96	LT	120.22	115.73	Unable to visually verify the size and material of utility
1-9	OCU, WM	UNK	UNK	619+37.85	102.11	LT	119.58	113.23	Unable to visually verify the size and material of utility
1-13	OCU, WM	UNK	UNK	619+38.94	97.46	RT	120.60	115.00	Unable to visually verify the size and material of utility
1-14	OCU, FM	UNK	UNK	619+53.91	97.99	RT	120.59	114.99	Unable to visually verify the size and material of utility
DD-TH69	UNK, FOC	2	PVC	708+79.72	526.31	LT	107.28	104.12	
DD-TH70	FDOT, SL	2 X (0.5)	DBC	708+80.65	526.25	LT	107.23	104.69	
DD-TH71	FDOT, BE	2 X (6)	PVC	708+85.02	525.50	LT	107.18	103.72	
DD-TH72	TECO, GM	6	STEEL	708+99.43	522.23	LT	106.37	103.31	
DD-TH73	FDOT, FOC/TS	2	PVC	708+90.24	524.36	LT	107.02	104.51	
DD-TH74	FDOT, FOC/TS	3 X (1.5)	PE	708+90.72	524.24	LT	107.05	104.85	
DD-TH75	FDOT, SL	3 X (2.5)	DBC	707+82.64	542.86	LT	107.16	104.52	
DD-TH76	OCU, RW	16	PVC	707+82.81	542.45	LT	107.21	103.16	
DD-TH77	OCU, WM	20	PVC	707+76.62	542.10	LT	107.50	103.72	
DD-TH78	COMCAST, FOC/CATV	2 X (1.5)	PE	707+71.12	543.58	LT	108.04	104.88	
DD-TH84	UNK, FOC	2	PVC	708+56.53	399.99	RT	109.82	106.09	
DD-TH85	UNK, UNK	2 X (1.75)	PVC	708+59.63	399.02	RT	110.30	107.28	
DD-TH86	UNK, FOC/CATV	UNK	CC	708+61.74	398.77	RT	110.61	108.23	Unable to visually verify due to conc cap, possibly 4" PVC
DD-TH87	UNK, FOC	2	PVC	708+62.60	398.53	RT	110.67	108.35	
DD-TH88	ADELPHIA, FOC/TV	4	PVC	708+65.01	397.68	RT	110.97	108.01	
DD-TH89	UNK, BT	0.75	DBC	708+77.64	395.50	RT	112.80	110.55	
DD-TH90	TECO, GM	4	STEEL	708+70.08	397.00	RT	111.45	107.93	
DD-TH97	OCU, WM	UNK	PVC	708+16.83	406.43	RT	108.26	103.46	Unable to visually verify due to groundwater, possibly 20"
DD-TH98	FDOT, BE	2	PVC	708+12.19	408.19	RT	107.92	104.14	
DD-TH99	FDOT, SL	2 X (0.5)	DBC	708+27.24	404.93	RT	109.35	107.47	
DD-TH100	FDOT, BE	2 & 4 & 6	PVC	707+62.22	373.88	RT	108.04	104.58	East edge of conduits
DD-TH100A	UNK, BE	1.75	PE	708+27.05	404.85	RT	109.33	107.65	
DD-TH101	UNK, BE	2 & 4 & 6	PVC	707+61.47	370.72	RT	107.97	103.57	West edge of conduits
DD-TH102	VERIZON/MCI, FOC	2 X (2)	PVC	707+23.55	404.79	RT	109.12	106.68	
DD-TH103	FDOT, BE	2	PVC	707+30.70	402.07	RT	109.07	107.43	
DD-TH104	FDOT, SL	1 X (2) 1 X (2.5) 2 X (0.50) 3 X (0.75)	PVC/DBC	707+31.62	402.03	RT	108.95	106.69	
DD-TH105	FDOT, BE	UNK	PVC	708+38.45	134.13	LT	102.55	97.25	Unable to visually verify due to groundwater and cave in
DD-TH106	CHARTER, CATV	2 X (1.75)	PE	708+53.78	132.53	LT	104.96	101.10	
DD-TH107	FDOT, SL	2 X (2)	PE	708+38.45	151.11	LT	102.42	100.23	
DD-TH108	UNK, FOC	2 X (1)	DBC	708+37.17	144.85	LT	102.38	98.64	
DD-TH109	COMCAST, FOC	2	PVC	708+40.36	173.26	LT	102.64	99.23	
DD-TH110	FDOT, TS	2	PVC	708+40.65	173.98	LT	102.60	100.08	
DD-TH111	OCU, RAW	UNK	UNK	708+22.42	404.36	RT	108.81	103.33	Unable to visually verify due to groundwater and cave in
DD-TH112	FDOT, SL	2 X (2)	PVC	707+71.51	259.66	RT	104.87	103.05	
DD-TH113	UNK, FOC	4	PE	708+48.18	400.33	LT	104.60	102.60	
DD-TH117	SUMMIT, FOC	3 X (1.75)	PE	708+75.97	395.65	RT	112.55	102.16	
DD-TH118	OCU, FM	4	STEEL	707+47.54	325.80	RT	107.35	104.89	
DD-TH119	UNK, BT	0.75	DBC	708+57.47	132.17	LT	105.61	103.81	
DD-TH120	TECO, GM	UNK	UNK	708+39.90	121.11	LT	102.90	96.00	Unable to visually verify due to groundwater and cave in
DD-TH121	UNK, GM	6	STEEL	707+22.23	404.14	RT	109.29	106.19	
DD-TH122	OCU, RCW	2	PVC	708+61.43	363.15	RT	110.01	109.01	
DD-TH123	UNK, GM	UNK	UNK	707+45.19	322.24	RT	107.35	99.83	Unable to visually verify due to groundwater and cave in
DD-TH124	VERIZON/MCI, FOC	UNK	UNK	707+44.96	321.61	RT	107.31	100.41	Unable to visually verify due to groundwater and cave in
DD-TH125	CHARTER, CATV	0.5	DBC	560+86.78	359.51	LT	108.31	105.17	
DD-TH126	UNK, UNK	3	PVC	560+79.46	364.60	LT	107.86	105.83	
DD-TH127	FDOT, TS	2 X (2)	PVC	560+79.11	365.02	LT	107.80	104.53	
DD-TH128	FDOT, SL	1	PVC	560+78.78	365.27	LT	107.88	104.06	
DD-TH129	UNK, FOC	3 X (1.5)	PE	560+72.81	369.15	LT	107.86	105.02	
DD-TH131	UNK, FOC	3 X (2)	PE	560+67.28	373.36	LT	107.49	103.91	
DD-TH152	CHARTER, FOC	UNK	UNK	555+84.24	191.15	RT	109.32	105.16	Unable to visually verify due to groundwater and cave in
DD-TH153	UNK, FOC	2	PVC	556+09.05	207.86	RT	109.11	106.96	
DD-TH154	FDOT, SL	2	PC	556+46.93	232.81	RT	109.85	107.29	
DD-TH155	AT&T, FOC	4	PVC	555+95.59	200.04	RT	109.22	106.42	
DD-TH156	AT&T, FOC	UNK	UNK	556+01.42	208.76	RT	109.09	102.03	Unable to visually verify due to groundwater and cave in
DD-TH203	UNK, FOC	5 X (4)	PVC	560+83.12	361.89	LT	107.88	104.23	West edge of conduits
DD-TH204	UNK, FOC	5 X (4)	PVC	560+84.89	360.80	LT	108.15	104.30	East edge of conduits
DD-TH205	UNK, FOC	2 X (1.5)	PE	560+88.21	357.56	LT	108.92	105.72	
DD-TH206	UNK, BT	0.75	DBC	560+88.82	357.05	LT	108.96	105.42	
DD-TH207	UNK, BT	0.75	DBC	560+90.98	352.86	LT	109.53	106.47	
JKP-TH27	FGT, GM	UNK	UNK	556+78.33	159.64	LT	107.14	102.94	Unable to visually verify due to groundwater
JKP-TH28	FGT, GM	UNK	UNK	552+43.73	337.76	RT	112.82	106.12	Unable to visually verify due to groundwater
MG-TH38	OCU, RCW	24	DIP	644+3.60	563.73	RT	132.72	126.90	
MG-TH39	OCU, RCW	UNK	UNK	644+3.70	724.89	LT	134.49	128.58	Unable to visually verify, possibly 24" DIP

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

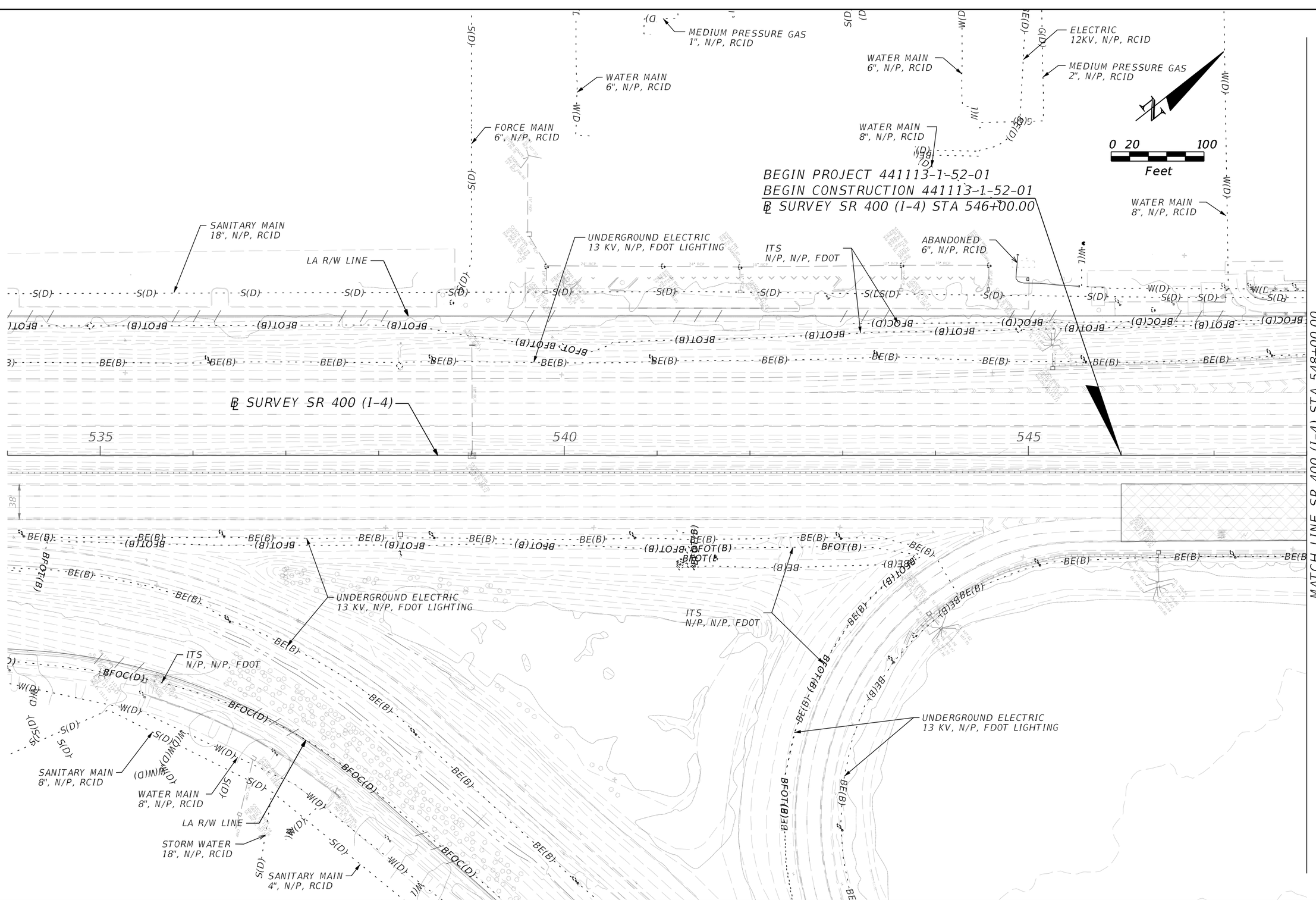
Thomas M. Pridgen, P.E.
P.E. License No. 18495
CARDNO, INC.
402 SOUTH NORTHLAKE BLVD,.
SUITE 1004
ALTAMONTE SPRINGS, FL 32701
CERTIFICATE OF AUTHORIZATION
NO. 3843

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

UTILITY VERIFICATION

SHEET NO. 645



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Thomas M. Pridgen, P.E.
P.E. License No. 18495
CARDNO, INC.
402 SOUTH NORTHLAKE BLVD.,
SUITE 1004
ALTAMONTE SPRINGS, FL 32701
CERTIFICATE OF AUTHORIZATION
NO. 3843

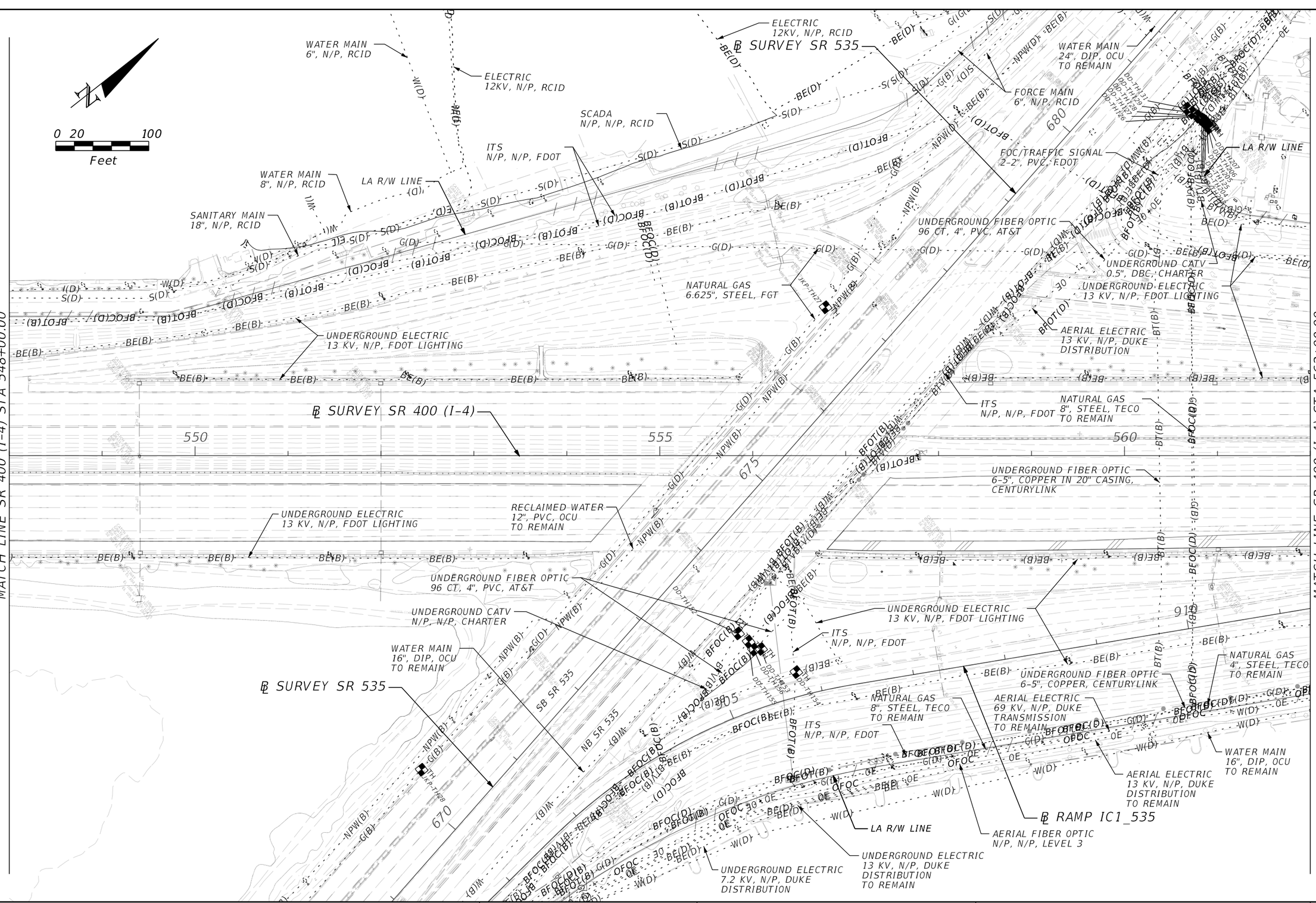
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
UTILITY ADJUSTMENT PLAN 1

SHEET NO.
646

robert.martini 8/22/2019 1:15:54 PM c:\pwworking\aecom_na\rmartini\d0164843\PLANUT01.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Thomas M. Pridgen, P.E.
P.E. License No. 18495
CARDNO, INC.,
402 SOUTH NORTHLAKE BLVD.,
SUITE 1004
ALTAMONTE SPRINGS, FL 32701
CERTIFICATE OF AUTHORIZATION
NO. 3843

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
UTILITY ADJUSTMENT PLAN 2

SHEET NO. 647

robert.martini 8/22/2019 1:16:02 PM c:\pwworking\aecom_na\rmartini\d0164843\PLANUT02.dgn

MATCH LINE SR 400 (I-4) STA 562+00.00

MATCH LINE SR 400 (I-4) STA 576+00.00

AERIAL ELECTRIC
13 KV, N/P, DUKE
DISTRIBUTION
TO REMAIN

AERIAL FIBER OPTIC
N/P, N/P, LEVEL3

AERIAL ELECTRIC
69 KV, N/P, DUKE
TRANSMISSION
TO REMAIN

ELECTRIC
N/P, N/P, RCID

UNDERGROUND ELECTRIC
13 KV, N/P, DUKE
DISTRIBUTION
TO REMAIN

UNDERGROUND ELECTRIC
13 KV, N/P, DUKE
DISTRIBUTION
TO REMAIN

0 20 100
Feet

NATURAL GAS
6.625", STEEL, FGT

LA R/W LINE

ITS
N/P, N/P, FDOT

COMMUNICATION
N/P, N/P, RCID

UNDERGROUND CATV
N/P, N/P, CHARTER

UNDERGROUND ELECTRIC
13 KV, N/P, FDOT LIGHTING

℄ SURVEY SR 400 (I-4)

565 570 575

915

UNDERGROUND ELECTRIC
13 KV, N/P, FDOT LIGHTING

AERIAL ELECTRIC
69 KV, N/P, DUKE
TRANSMISSION
TO REMAIN

AERIAL ELECTRIC
13 KV, N/P, DUKE
DISTRIBUTION
TO REMAIN

℄ RAMP IC1_535

ITS
N/P, N/P, FDOT

UNDERGROUND FIBER OPTIC
N/P, COPPER, CENTURYLINK

AERIAL ELECTRIC
13 KV, N/P, DUKE
DISTRIBUTION
TO REMAIN

UNDERGROUND FIBER OPTIC
12 PR, N/P, CENTURYLINK
RETIRED

UNDERGROUND FIBER OPTIC
96 PR, N/P, CENTURYLINK
RETIRED

UNDERGROUND FIBER OPTIC
120 PR, N/P, CENTURYLINK

WATER MAIN
16", DIP, OCU
TO REMAIN

WATER MAIN
12", PVC, OCU
TO REMAIN

LA R/W LINE

FORCE MAIN
10", PVC, OCU
TO REMAIN.

SANITARY MAIN
15", PVC, OCU
TO REMAIN

VINELAND AVE.

FORCE MAIN
10", PVC, OCU
TO REMAIN

NATURAL GAS
4", STEEL, TECO
TO REMAIN

AERIAL FIBER OPTIC
N/P, N/P, LEVEL3

UNDERGROUND FIBER OPTIC
N/P, COPPER, CENTURYLINK

R/W LINE

SANITARY MAIN
10", PVC, OCU
TO REMAIN

R/W LINE

RECLAIM WATER
10", PVC, OCU
TO REMAIN

WATER MAIN
8", PVC, OCU
TO REMAIN

SANITARY MAIN
12", PVC, OCU
TO REMAIN

RECLAIM WATER
10", PVC, OCU
TO REMAIN

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Thomas M. Pridgen, P.E.
P.E. License No. 18495
CARDNO, INC.
402 SOUTH NORTHLAKE BLVD,.
SUITE 1004
ALTAMONTE SPRINGS, FL 32701
CERTIFICATE OF AUTHORIZATION
NO. 3843

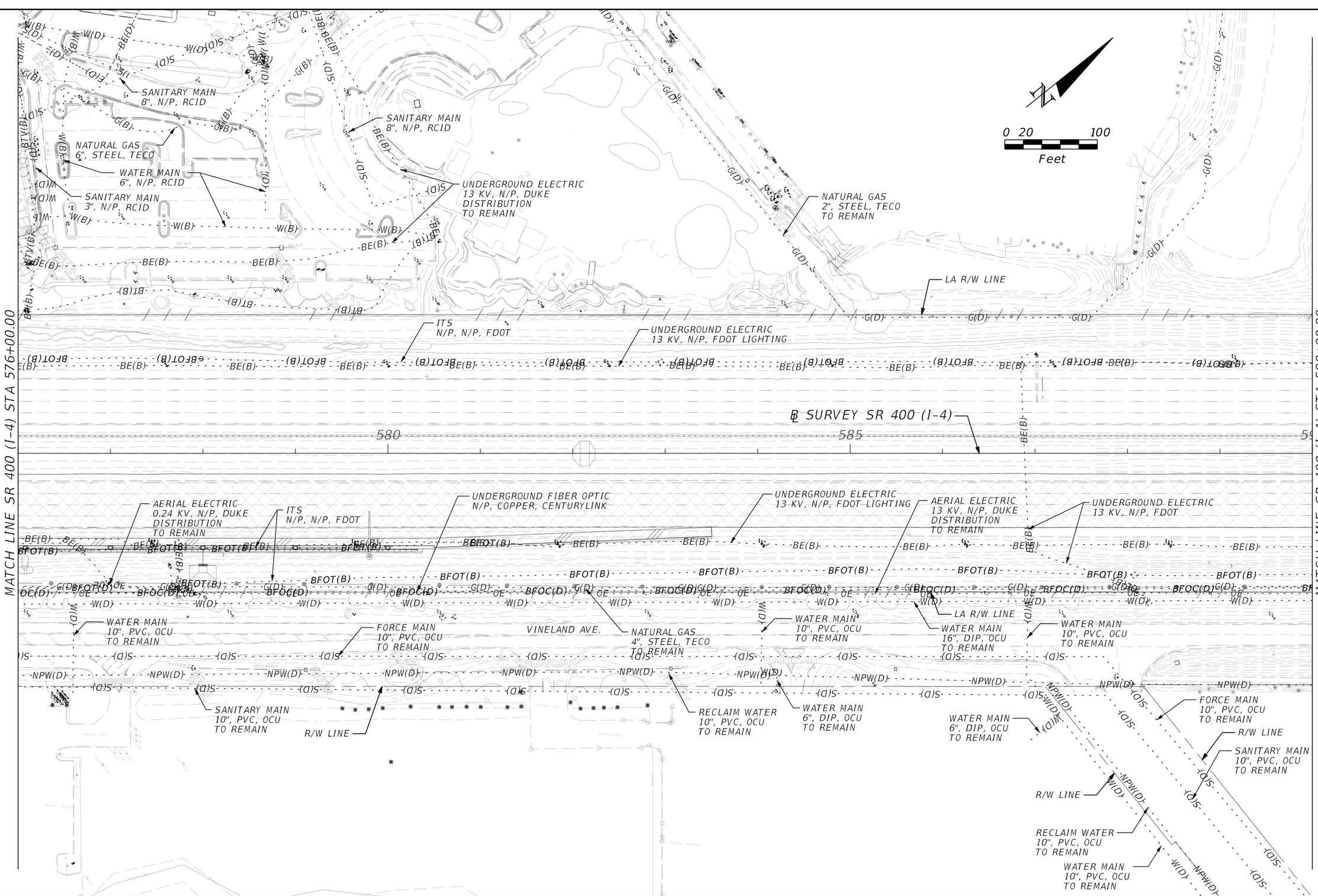
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
UTILITY ADJUSTMENT PLAN 3

SHEET NO. 648

robert.martini 8/22/2019 1:16:11 PM c:\pwworking\aecom_na\rmartini\d0164843\PLANUT03.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Thomas M. Pridgen, P.E.
P.E. License No. 18495
CARDNO, INC.
402 SOUTH NORTHLAKE BLVD.,
SUITE 1004
ALTAMONTE SPRINGS, FL 32701
CERTIFICATE OF AUTHORIZATION
NO. 3843

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
UTILITY ADJUSTMENT PLAN 4

SHEET NO. 649

robert.martini 8/22/2019 1:16:20 PM c:\pwworking\aecom_na\r.martini\d0164843\PLANUT04.dgn

0 20 100
Feet

MATCH LINE SR 400 (I-4) STA 590+00.00

MATCH LINE SR 400 (I-4) STA 604+00.00

℄ SURVEY SR 400 (I-4)

595

600

LA R/W LINE

ITS
N/P, N/P, FDOT

UNDERGROUND ELECTRIC
13 KV, N/P, FDOT LIGHTING

WATER MAIN
6", DIP, OCU
TO REMAIN

AERIAL ELECTRIC
13 KV, N/P, DUKE
DISTRIBUTION
TO REMAIN

ITS
N/P, N/P, FDOT

UNDERGROUND FIBER OPTIC
120 PR, N/P, CENTURYLINK

UNDERGROUND FIBER OPTIC
300 PR, COPPER, CENTURYLINK

UNDERGROUND ELECTRIC
13 KV, N/P, FDOT LIGHTING

UNDERGROUND ELECTRIC
0.24 KV, N/P, DUKE
DISTRIBUTION
TO REMAIN

LA R/W LINE

NATURAL GAS
4", STEEL, TECO
TO REMAIN

VINELAND AVE.

WATER MAIN
6", PVC, OCU
TO REMAIN

WATER MAIN
16", DIP, OCU
TO REMAIN

WATER MAIN
10", PVC, OCU
TO REMAIN

RECLAIM WATER
10", PVC, OCU
TO REMAIN

R/W LINE

UNDERGROUND FIBER OPTIC
96 PR, N/P, CENTURYLINK
RETIRED

UNDERGROUND FIBER OPTIC
12 PR, N/P, CENTURYLINK
RETIRED

NATURAL GAS
4", STEEL, TECO
TO REMAIN

RECLAIM WATER
6", PVC, OCU
TO REMAIN

WATER MAIN
16", DIP, OCU
TO REMAIN

UNDERGROUND FIBER OPTIC
24 PR, N/P, CENTURYLINK

UNDERGROUND FIBER OPTIC
100 PR, COPPER, CENTURYLINK

UNDERGROUND FIBER OPTIC
1500 PR, COPPER, CENTURYLINK

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Thomas M. Pridgen, P.E.
P.E. License No. 18495
CARDNO, INC.
402 SOUTH NORTHLAKE BLVD.,
SUITE 1004
ALTAMONTE SPRINGS, FL 32701
CERTIFICATE OF AUTHORIZATION
NO. 3843

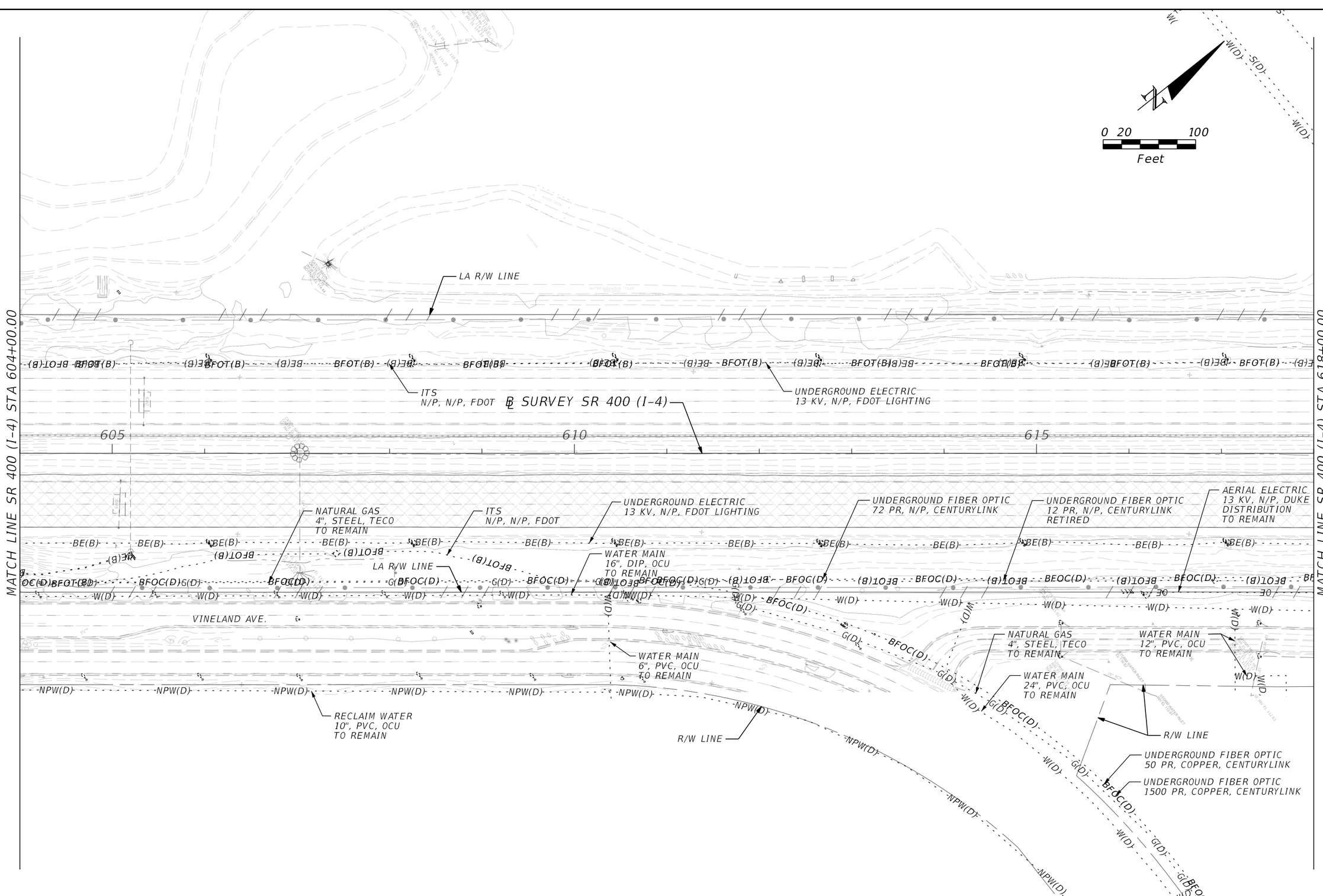
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
UTILITY ADJUSTMENT PLAN 5

SHEET NO.
650

robert.martini 8/22/2019 1:16:33 PM c:\pwworking\aecom_na\rmartini\d0164843\PLANUT05.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Thomas M. Pridgen, P.E.
P.E. License No. 18495
CARDNO, INC.
402 SOUTH NORTHLAKE BLVD.,
SUITE 1004
ALTAMONTE SPRINGS, FL 32701
CERTIFICATE OF AUTHORIZATION
NO. 3843

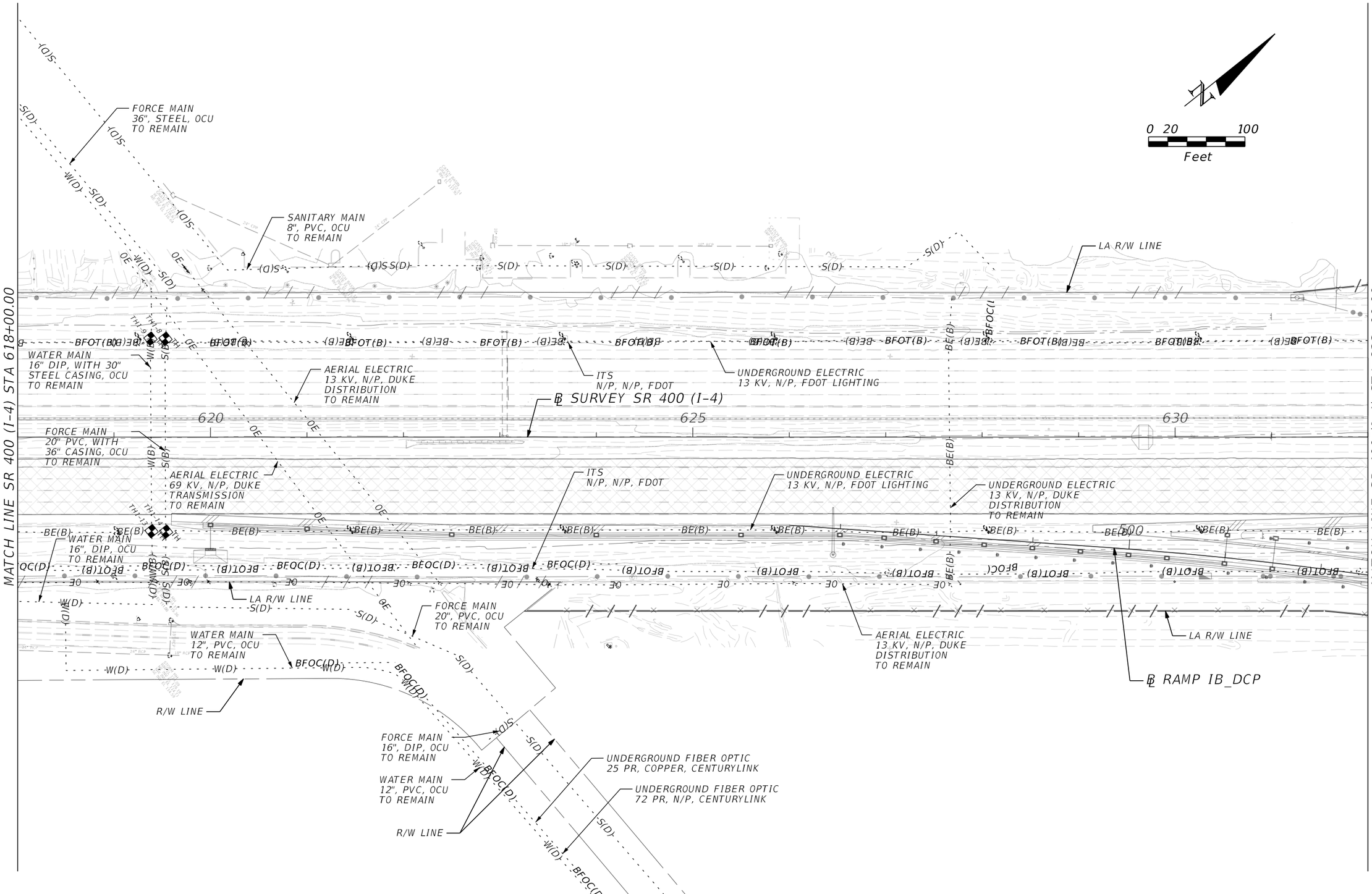
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
UTILITY ADJUSTMENT PLAN 6

SHEET NO. 651

robert.martini 8/22/2019 1:16:42 PM c:\pwworking\aecom_na\rmartini\d0164843\PLANUT06.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Thomas M. Pridgen, P.E.
P.E. License No. 18495
CARDNO, INC.
402 SOUTH NORTHLAKE BLVD.,
SUITE 1004
ALTAMONTE SPRINGS, FL 32701
CERTIFICATE OF AUTHORIZATION
NO. 3843

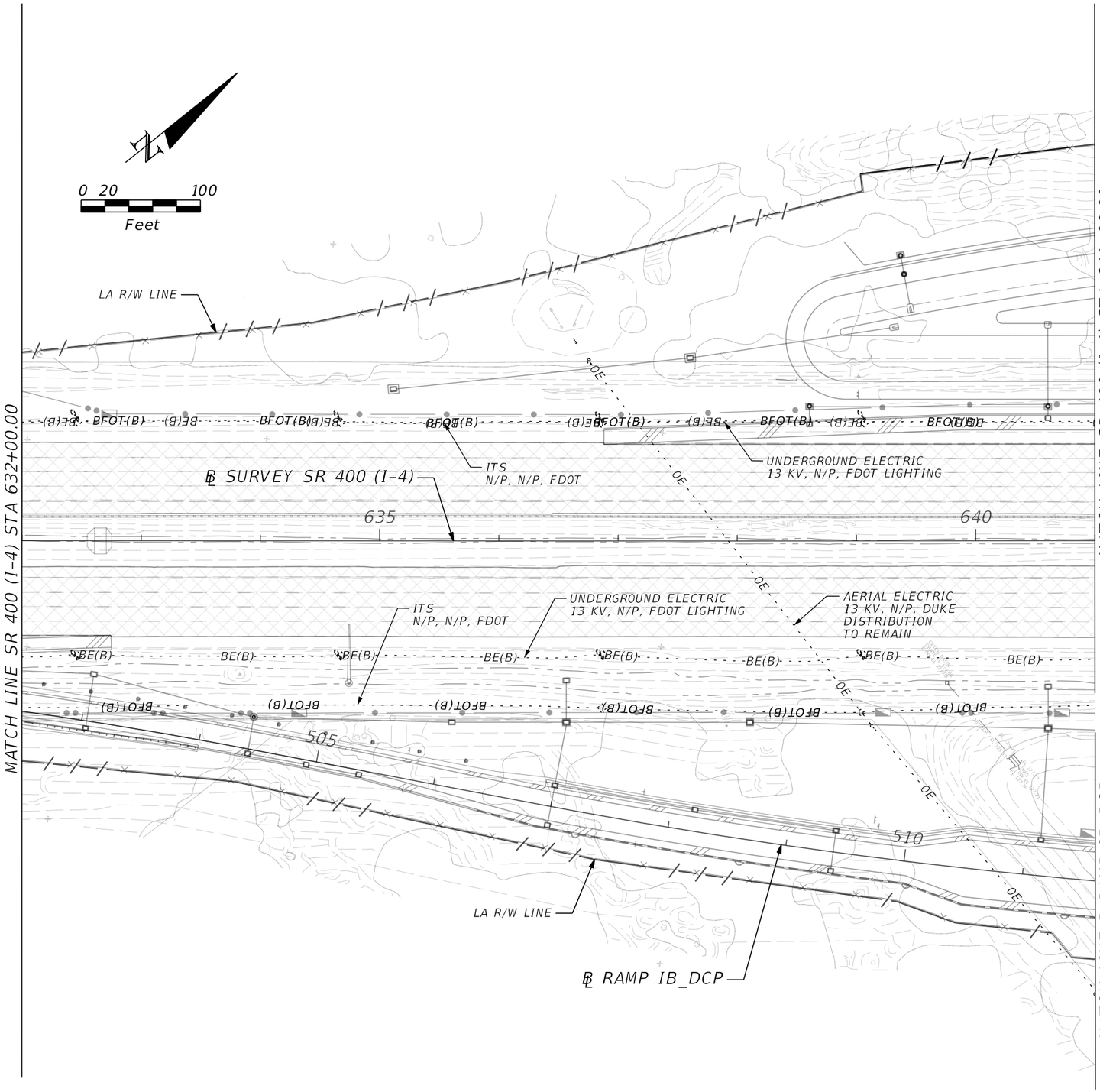
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
UTILITY ADJUSTMENT PLAN 7

SHEET NO. 652

robert.martini 8/22/2019 1:16:51 PM c:\pwworking\aecom_na\r.martini\d0164843\PLANUT07.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Thomas M. Pridgen, P.E.
P.E. License No. 18495
CARDNO, INC.
402 SOUTH NORTHLAKE BLVD.,
SUITE 1004
ALTAMONTE SPRINGS, FL 32701
CERTIFICATE OF AUTHORIZATION
NO. 3843

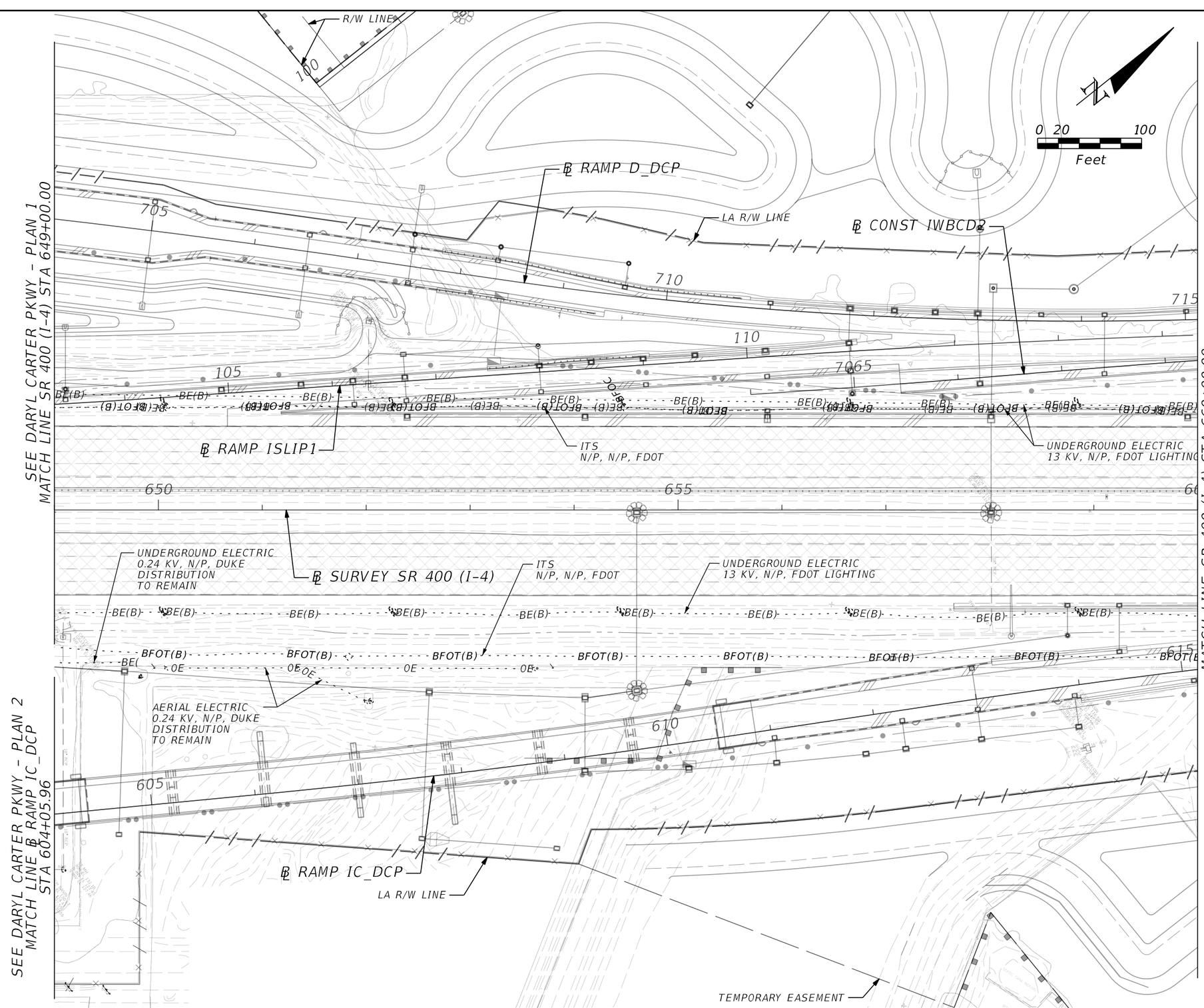
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
UTILITY ADJUSTMENT PLAN 8

SHEET NO. 653

robert.martini 8/22/2019 1:17:01 PM c:\pwworking\aecom_na\rmartini\d0164843\PLANUT08.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Thomas M. Pridgen, P.E.
P.E. License No. 18495
CARDNO, INC.
402 SOUTH NORTHLAKE BLVD.,
SUITE 1004
ALTAMONTE SPRINGS, FL 32701
CERTIFICATE OF AUTHORIZATION
NO. 3843

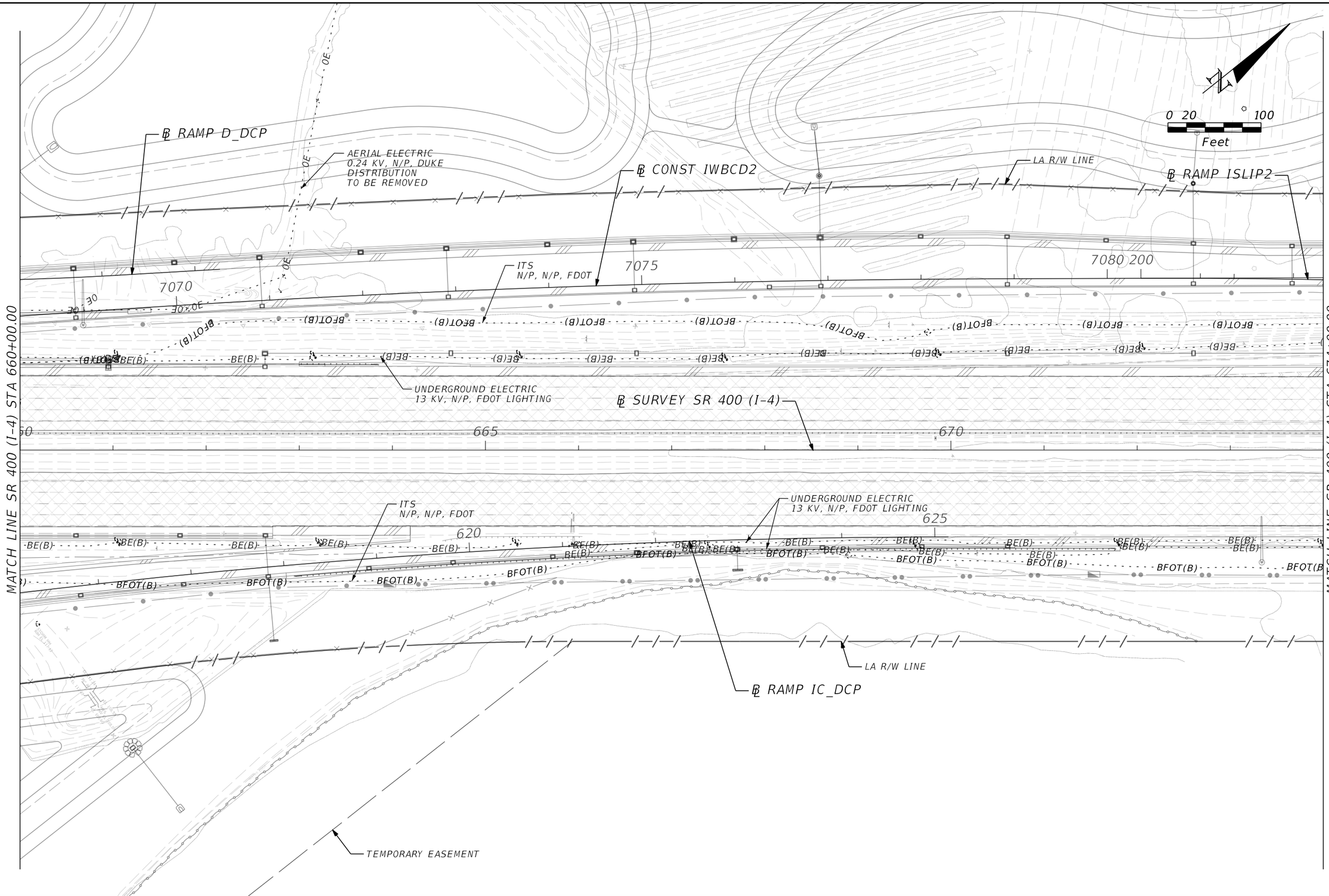
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
UTILITY ADJUSTMENT PLAN 9

SHEET NO. 654

robert.martini 8/22/2019 1:17:10 PM c:\pwworking\aecom_na\r.martini\d0164843\PLANUT09.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Thomas M. Pridgen, P.E.
P.E. License No. 18495
CARDNO, INC.
402 SOUTH NORTHLAKE BLVD.,
SUITE 1004
ALTAMONTE SPRINGS, FL 32701
CERTIFICATE OF AUTHORIZATION
NO. 3843

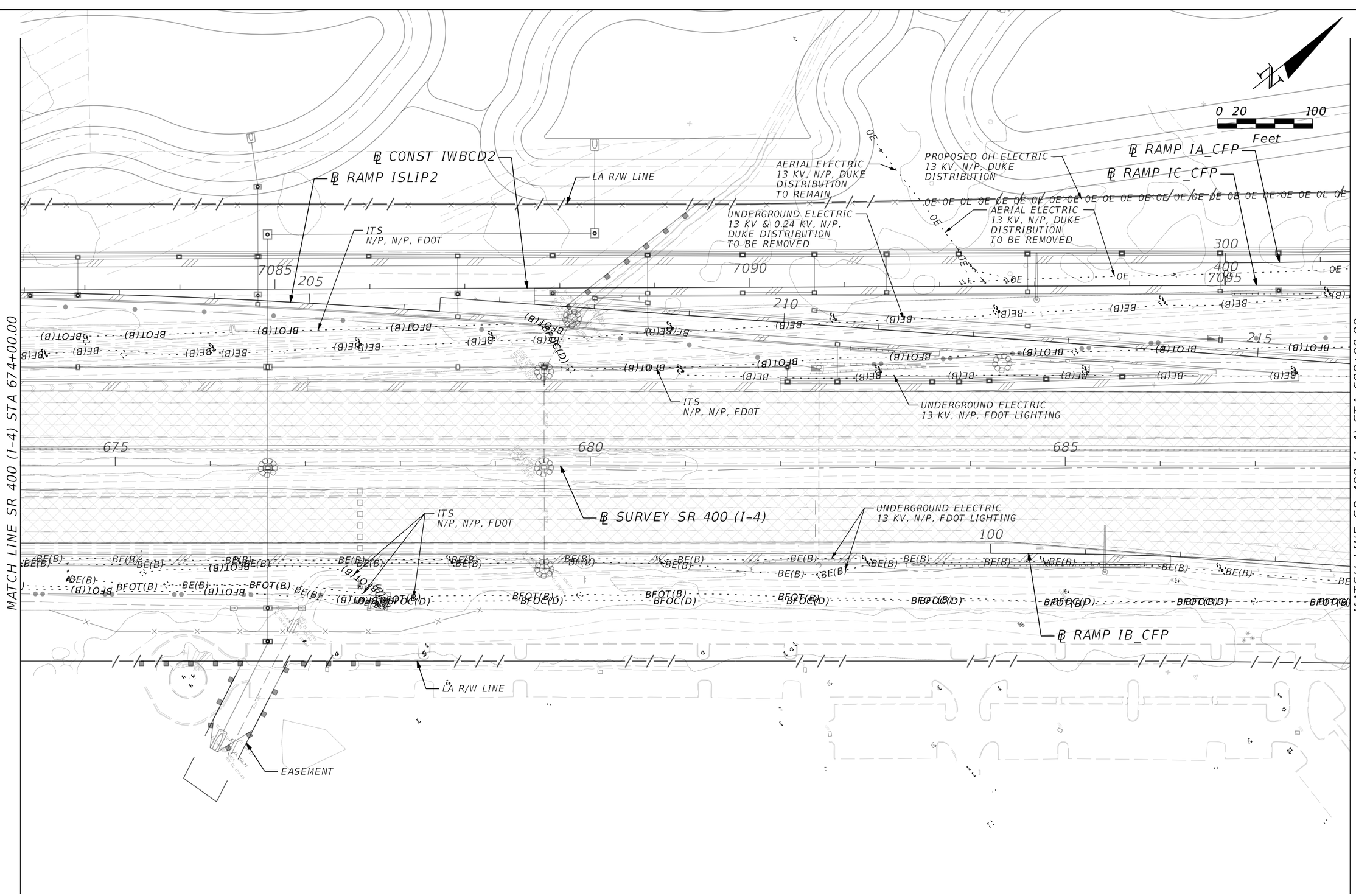
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
UTILITY ADJUSTMENT PLAN 10

SHEET NO. 655

robert.martini 8/22/2019 1:17:20 PM c:\pwworking\aecom_na\r.martini\d0164843\PLANUT10.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Thomas M. Pridgen, P.E.
P.E. License No. 18495
CARDNO, INC.
402 SOUTH NORTHLAKE BLVD.,
SUITE 1004
ALTAMONTE SPRINGS, FL 32701
CERTIFICATE OF AUTHORIZATION
NO. 3843

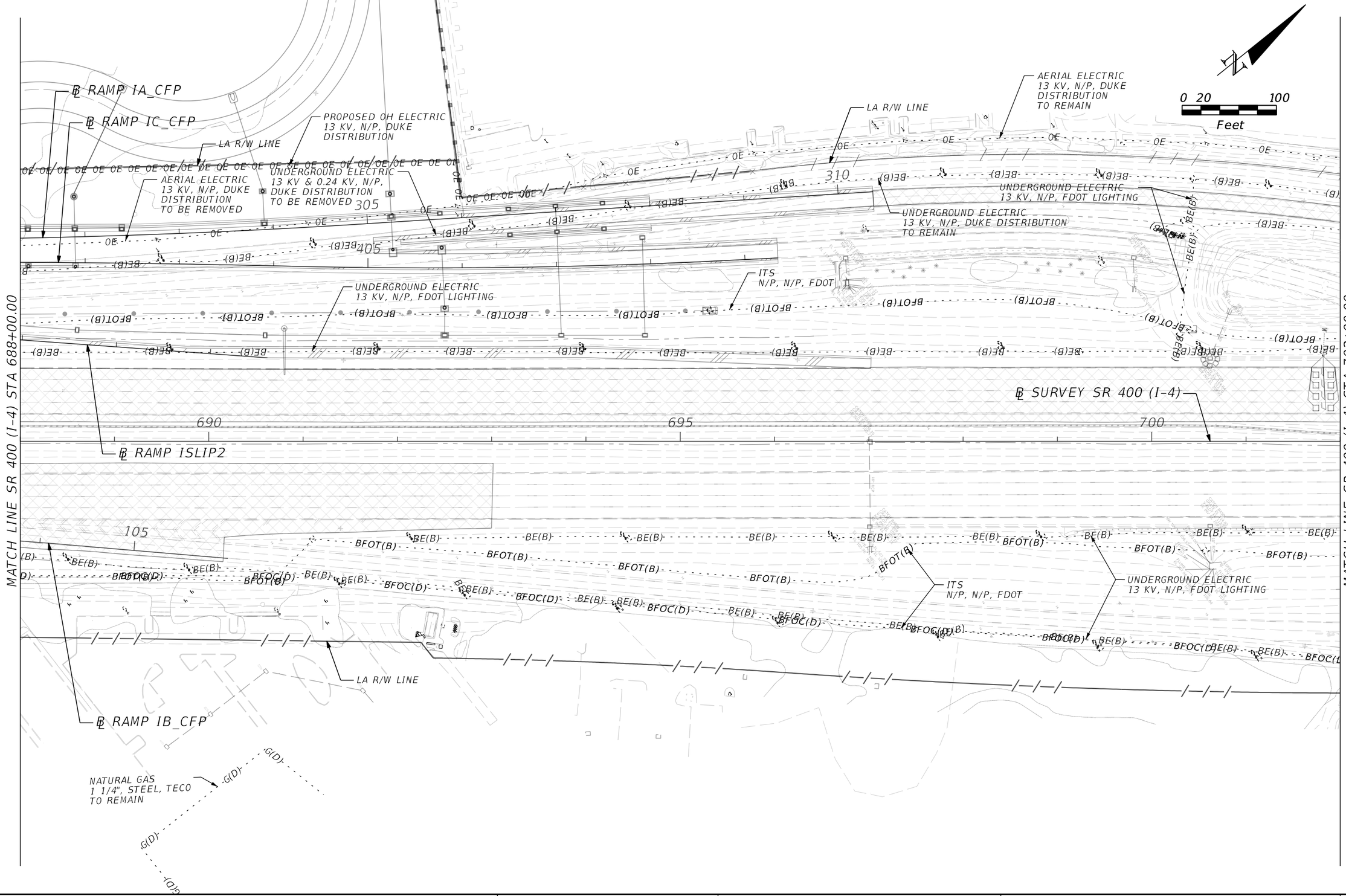
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
UTILITY ADJUSTMENT PLAN 11

SHEET NO. 656

robert.martini 8/22/2019 1:17:30 PM c:\pwworking\aecom_na\r.martini\d0164843\PLANUT11.dgn



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Thomas M. Pridgen, P.E.
P.E. License No. 18495
CARDNO, INC.
402 SOUTH NORTHLAKE BLVD.,
SUITE 1004
ALTAMONTE SPRINGS, FL 32701
CERTIFICATE OF AUTHORIZATION
NO. 3843

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
UTILITY ADJUSTMENT PLAN 12

SHEET NO.
657

robert.martini 8/22/2019 1:17:43 PM c:\pwworking\aecom_na\rmartini\d0164843\PLANUT12.dgn

MATCH LINE SR 400 (I-4) STA 702+00.00

WATER MAIN
20", PVC, OCU
TO REMAIN

RECLAIMED WATER
16", PVC, OCU
TO REMAIN

EASEMENT

UNDERGROUND FIBER OPTIC
2-1.5", PE, COMCAST

R/W LINE

LA R/W LINE

AERIAL ELECTRIC
13 KV, N/P, DUKE
DISTRIBUTION
TO REMAIN

UNDERGROUND ELECTRIC
13 KV, N/P, DUKE
DISTRIBUTION
TO REMAIN

TEMPORARY EASEMENT

UNDERGROUND FIBER OPTIC
2", PVC, COMCAST

UNDERGROUND ELECTRIC
7.2 KV, N/P, DUKE
DISTRIBUTION

ITS
N/P, N/P, FDOT

UNDERGROUND ELECTRIC
13 KV, N/P, FDOT LIGHTING

FORCE MAIN 6", PVC,
OCU DRYLINE
TO REMAIN

RECLAIMED WATER
16", PVC, OCU
TO REMAIN

UNDERGROUND ELECTRIC
13 KV, N/P, DUKE
DISTRIBUTION
TO REMAIN

WATER MAIN
24", DIP, OCU
TO REMAIN

UNDERGROUND ELECTRIC
13 KV, N/P, FDOT LIGHTING

ITS
N/P, N/P, FDOT

EASEMENT

UNDERGROUND FIBER OPTIC
N/P, N/P, VERIZON/MCI

LA R/W LINE

UNDERGROUND
ELECTRIC
120 V, N/P, FDOT

UNDERGROUND ELECTRIC
7.2 KV, N/P, DUKE
DISTRIBUTION

FORCE MAIN
4", STEEL, OCU
TO REMAIN

NATURAL GAS
6", STEEL, N/P

UNDERGROUND FIBER OPTIC
2-2", PVC, VERIZON/MCI

UNDERGROUND ELECTRIC
13 KV, N/P, FDOT LIGHTING

FOC/TRAFFIC SIGNAL
2", PVC, FDOT

NATURAL GAS
6", STEEL, TECO
TO REMAIN

FOC/TRAFFIC SIGNAL
3-1.5", PE, FDOT

UNDERGROUND ELECTRIC
13 KV, N/P, DUKE
DISTRIBUTION

FORCE MAIN
20", PVC, OCU

RECLAIMED WATER
12", PVC, OCU

UNDERGROUND ELECTRIC
120 V, N/P, DUKE
DISTRIBUTION

0 20 100
Feet

END PROJECT 441113-1-52-01
END CONSTRUCTION 441113-1-52-01

℄ SURVEY SR 400 (I-4) STA 707+00.00

EB CENTRAL FLORIDA PKWY

WB CENTRAL FLORIDA PKWY

AERIAL CATV
N/P, N/P, CHARTER

WATER MAIN
10", PVC, OCU
DRYLINE
TO REMAIN

LA R/W LINE

AERIAL ELECTRIC
13 KV, N/P, DUKE
DISTRIBUTION
TO REMAIN

NATURAL GAS
4", STEEL, TECO
TO REMAIN

UNDERGROUND ELECTRIC
13 KV, N/P, DUKE
DISTRIBUTION
TO REMAIN

R/W LINE

AERIAL FIBER OPTIC
N/P, N/P, COMCAST

ITS
N/P, N/P, FDOT

UNDERGROUND ELECTRIC
13 KV, N/P, FDOT LIGHTING

℄ SURVEY SR 400 (I-4)

UNDERGROUND FIBER OPTIC
N/P, N/P, COMCAST

UNDERGROUND CATV
2-1.75", PE, CHARTER

UNDERGROUND FIBER OPTIC
2", HDPE, SMARTCITY

WATER MAIN
10", PVC, OCU
TO REMAIN

WATER MAIN
4", PVC, OCU
TO REMAIN

ITS
N/P, N/P, FDOT

UNDERGROUND ELECTRIC
13 KV, N/P, FDOT LIGHTING

UNDERGROUND FIBER OPTIC
3-1.75", PE, SUMMIT BROADBAND

NATURAL GAS
4", STEEL, TECO
TO REMAIN

LA R/W LINE

UNDERGROUND ELECTRIC
7.2 KV, N/P, DUKE
DISTRIBUTION

WATER MAIN
10", PVC, OCU
TO REMAIN

RECLAIMED WATER
2", PVC, OCU
TO REMAIN

WATER MAIN
24", PVC, OCU
TO REMAIN

UNDERGROUND FIBER OPTIC
4", PVC, ADELPHIA

705 710 715

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Thomas M. Pridgen, P.E.
P.E, License No. 18495
CARDNO, INC.
402 SOUTH NORTHLAKE BLVD.,
SUITE 1004
ALTAMONTE SPRINGS, FL 32701
CERTIFICATE OF AUTHORIZATION
NO. 3843

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SR 400 (I-4)
UTILITY ADJUSTMENT PLAN 13

SHEET NO. 658

robert.martini 8/22/2019 1:17:53 PM c:\pwworking\aecom_na\rmartini\d0164843\PLANUT13.dgn

0 20 100
Feet

SEE SR 400 (I-4) – PLAN 9
MATCH LINE SR 400 (I-4) STA 649+00.00

RECLAIM WATER 12", PVC, OCU TO REMAIN
R/W LINE
WATER MAIN 24", DIP, OCU TO REMAIN
WATER MAIN 6", DIP, OCU TO REMAIN
FORCE MAIN 20", PVC, OCU TO REMAIN
LA R/W LINE
RECLAIM WATER 8", PVC, OCU TO REMAIN
℄ DARYL CARTER PKWY
WATER MAIN 16", DIP, OCU TO REMAIN
FORCE MAIN 20", PVC, OCU TO REMAIN
LA R/W LINE
℄ EB DCP
RECLAIM WATER 12", PVC, OCU TO REMAIN
UNDERGROUND FIBER OPTIC 4-4", PVC, CENTURYLINK
WATER MAIN 24", DIP, OCU TO REMAIN
R/W LINE
RECLAIM WATER 24" DIP, WITH 42" STEEL CASING, OCU
℄ WB DCP
LA R/W LINE
℄ RAMP D_DCP
℄ SURVEY SR 400 (I-4)
℄ RAMP ISLIP1
ITS N/P, N/P, FDOT
UNDERGROUND ELECTRIC 13 KV, N/P, FDOT LIGHTING
ITS N/P, N/P, FDOT
℄ EB DCP
℄ WB DCP
LA R/W LINE

MATCH LINE DARYL CARTER PKWY STA 114+00.00

MATCH LINE SR 400 (I-4) STA 641+00.00
SEE SR 400 (I-4) – PLAN 8

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Thomas M. Pridgen, P.E.
P.E. License No. 18495
CARDNO, INC.
402 SOUTH NORTHLAKE BLVD.,
SUITE 1004
ALTAMONTE SPRINGS, FL 32701
CERTIFICATE OF AUTHORIZATION
NO. 3843

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY
UTILITY ADJUSTMENT PLAN 1

SHEET NO. 659

robert.martini 8/22/2019 1:18:03 PM c:\pwworking\aecom_na\rmartini\d0164843\PLANUT14.dgn

SEE SR 400 (I-4) - PLAN 9
MATCH LINE ℄ RAMP IC_DCP
STA 604+05.96

℄ RAMP IC_DCP

LA R/W LINE

℄ WB DCP

LA R/W LINE

MATCH LINE DARYL CARTER PKWY STA 114+00.00

210

115

600

310

315

120

215

℄ DARYL CARTER PKWY

125

NPW(B)

MG-TH38

RECLAIM WATER
24" DIP, WITH 42"
STEEL CASING, OCU

℄ EB DCP

LA R/W LINE

LA R/W LINE

AERIAL ELECTRIC
13 KV, N/P, DUKE
DISTRIBUTION
TO REMAIN

OE

℄ RAMP IB_DCP

MATCH LINE ℄ RAMP IB_DCP
STA 511+61.14
SEE SR 400 (I-4) - PLAN 8

R/W LINE

REGENCY VILLAGE DR.

N

0 20 100
Feet

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Thomas M. Pridgen, P.E.
P.E. License No. 18495
CARDNO, INC.
402 SOUTH NORTHLAKE BLVD.,
SUITE 1004
ALTAMONTE SPRINGS, FL 32701
CERTIFICATE OF AUTHORIZATION
NO. 3843

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

DARYL CARTER PKWY
UTILITY ADJUSTMENT PLAN 2

SHEET NO. 660

robert.martini 8/22/2019 1:18:13 PM c:\pwworking\aecom_na\r.martini\d0164843\PLANUT15.dgn

SUMMARY OF LUMP SUM ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY P	QUANTITY F	DESIGN NOTES	CONSTRUCTION REMARKS
0101 1	MOBILIZATION	1			

PAY ITEM NOTES

102-2-X INCLUDES THE COST OF CONSTRUCTING, MAINTAINING, AND SUBSEQUENTLY REMOVING TEMPORARY DRAINAGE PER THE TEMPORARY TRAFFIC CONTROL PLANS.

INDEX OF SUMMARY OF QUANTITIES

SHEET NO.	SHEET DESCRIPTION
SQ-1	SUMMARY OF LUMP SUM ITEMS
SQ-2 - SQ-6	SUMMARY OF TRAFFIC CONTROL PLAN ITEMS
SQ-7	SUMMARY OF PEDESTRIAN LONGITUDINAL CHANNELING DEVICES
SQ-8	SUMMARY OF TEMPORARY CRASH CUSHION
SQ-9	SUMMARY OF TEMPORARY SIGNALIZATION & DETECTION
SQ-10 - SQ-17	SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES
SQ-18 - SQ-30	SUMMARY OF LITTER REMOVAL AND MOWING AND SUMMARY OF MONTITOR EXISITING STRUCTURES
SQ-31 - SQ-32	SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS
SQ-33	SUMMARY OF EARTHWORK
SQ-34 - SQ-37	SUMMARY OF PAVEMENT
SQ-38	SUMMARY OF MISCELLANEOUS ASPHALT PAVEMENT
SQ-39 - SQ-41	SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPERATORS
SQ-42	SUMMARY OF PERMANENT BARRIER WALL
SQ-43	SUMMARY OF SIDEWALK & DETECTABLE WARNINGS
SQ-44	SUMMARY OF DIECH PAVEMENT
SQ-45	SUMMARY OF GAURDRAIL
SQ-46	SUMMARY OF PERMANENT CRASH CUSHIONS
SQ-47	SUMMARY OF FENCING
SQ-48 - SQ-56	SUMMARY OF PERFORMANCE TURF

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL, 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-1

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE 1 - STAGE 1			PHASE 1 - STAGE 1A			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	DURATION	QUANTITY	TOTAL				
			DAYS	P	P	DAYS	P	P	P	F		
0102 1	MAINTENANCE OF TRAFFIC	LS/DA	202		202	5		5	207			
0102 2 1	SPECIAL DETOUR 1	LS										
0102 2 2	SPECIAL DETOUR 2	LS										
0102 14	TRAFFIC CONTROL OFFICER	HR		40	40		40	40	80			
0102 60	WORK ZONE SIGN	ED	202	29	5858	5	17	85	5943			
0102 61	BUSINESS SIGN	EA										
0102 71 15	BARRIER WALL, TEMPORARY BARRIER, F&I, ANCHORED	LF		26182	26182		990	990	27172			
0102 71 25	BARRIER WALL, TEMPORARY BARRIER , RELOCATE, ANCHORED	LF										
0102 74 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	202	5	1010	5	346	1730	2740			
0102 74 2	CHANNELIZING DEVICE, TYPE III, 6'	ED										
0102 76	ARROW BOARD/ ADVANCED WARING ARROW PANEL	ED				5	2	10	10			
0102 78	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA		625	625				625			
0102 99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	202	2	404	5	2	10	414			
0102 9111	PAVEMENT MAEKING REMOVABLE TAPE, WHITE, SKIP	LF		0.095	0.095				0.095			
0102 9112	PAVEMENT MAEKING REMOVABLE TAPE, WHITE, SOLID	LF		0.095	0.095				0.095			
0102 9122	PAVEMENT MAEKING REMOVABLE TAPE, YELLOW, SOLID	LF		0.095	0.095				0.095			
0710 11101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM		1.779	1.779				1.779			
0710 11124	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 18"	LF										
0710 11125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 24"	LF										
0710 11131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30	GM		1.243	1.243				1.243			
0710 11141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, DOTTED, 6"	GM										
0710 11160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE	EA										
0710 11170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA										
0710 11180	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, YIELD LINE	LF										
0710 11201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM		1.428	1.428				1.428			
0710 11224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 18"	LF										
0710 11241	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, DOTTED, 6"	GM										

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-2

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE 1 - STAGE 1B			PHASE 1 - STAGE 1C			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	DURATION	QUANTITY	TOTAL				
			DAYS	P	P	DAYS	P	P	P	F		
0102 1	MAINTENANCE OF TRAFFIC	LS/DA	5	1	5	5	1	5	10			
0102 2 1	SPECIAL DETOUR 1	LS										
0102 2 2	SPECIAL DETOUR 2	LS										
0102 14	TRAFFIC CONTROL OFFICER	HR		40	40		40	40	80			
0102 60	WORK ZONE SIGN	ED	5	8	40	5	19	95	135			
0102 61	BUSINESS SIGN	EA										
0102 71 15	BARRIER WALL, TEMPORARY BARRIER, F&I, ANCHORED	LF		1062	1062				1062			
0102 71 25	BARRIER WALL, TEMPORARY BARRIER , RELOCATE, ANCHORED	LF										
0102 74 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	5	117	585	5	398	1990	2575			
0102 74 2	CHANNELIZING DEVICE, TYPE III, 6'	ED										
0102 76	ARROW BOARD/ ADVANCED WARING ARROW PANEL	ED				5	2	10	10			
0102 78	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA										
0102 99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	5	2	10	5	2	10	20			
0102 9111	PAVEMENT MAEKING REMOVABLE TAPE, WHITE, SKIP	LF										
0102 9112	PAVEMENT MAEKING REMOVABLE TAPE, WHITE, SOLID	LF										
0102 9122	PAVEMENT MAEKING REMOVABLE TAPE, YELLOW, SOLID	LF										
0710 11101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM										
0710 11123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 12"	LF										
0710 11124	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 18"	LF										
0710 11125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 24"	LF										
0710 11131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30	GM										
0710 11141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, DOTTED, 6"	GM										
0710 11160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE	EA										
0710 11170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA										
0710 11180	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, YIELD LINE	LF										
0710 11201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM										
0710 11224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 18"	LF										
0710 11241	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, DOTTED, 6"	GM										

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-3

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE 1 - STAGE 2			PHASE 1 - STAGE 3			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	DURATION	QUANTITY	TOTAL				
			DAYS	P	P	DAYS	P	P	P	F		
0102 1	MAINTENANCE OF TRAFFIC	LS/DA	202	1	202	98	1	98	300			
0102 2 1	SPECIAL DETOUR 1	LS		1	1				1			
0102 2 2	SPECIAL DETOUR 2	LS					1	1	1			
0102 14	TRAFFIC CONTROL OFFICER	HR		40	40		24	24	64			
0102 60	WORK ZONE SIGN	ED	202	31	6262	98	23	2254	8516			
0102 61	BUSINESS SIGN	EA										
0102 71 15	BARRIER WALL, TEMPORARY BARRIER, F&I, ANCHORED	LF										
0102 71 25	BARRIER WALL, TEMPORARY BARRIER , RELOCATE, ANCHORED	LF		7611	7611		4835	4835	12446			
0102 74 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	202	20	4040	98	76	7448	11488			
0102 74 2	CHANNELIZING DEVICE, TYPE III, 6'	ED				98	1	98	98			
0102 76	ARROW BOARD/ ADVANCED WARING ARROW PANEL	ED										
0102 78	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA		1198	1198		965	965	2163			
0102 99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	202	2	404	98	5	490	894			
0102 9111	PAVEMENT MAEKING REMOVABLE TAPE, WHITE, SKIP	LF										
0102 9112	PAVEMENT MAEKING REMOVABLE TAPE, WHITE, SOLID	LF										
0102 9122	PAVEMENT MAEKING REMOVABLE TAPE, YELLOW, SOLID	LF										
0710 11101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM		1.776	1.776		0.505	0.505	2.281			
0710 11123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 12"	LF										
0710 11124	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 18"	LF										
0710 11125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 24"	LF					30	30	30			
0710 11131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30	GM		2.894	2.894				2.894			
0710 11141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, DOTTED, 6"	GM					0.009	0.009	0.009			
0710 11160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE	EA										
0710 11170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA										
0710 11180	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, YIELD LINE	LF										
0710 11201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM		1.282	1.282		0.127	0.127	1.409			
0710 11224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 18"	LF										
0710 11241	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, DOTTED, 6"	GM										

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-4

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE 1 - STAGE 4			PHASE 2 - STAGE 1			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	DURATION	QUANTITY	TOTAL				
			DAYS	P	P	DAYS	P	P	P	F		
0102 1	MAINTENANCE OF TRAFFIC	LS/DA	92	1	92	141	1	141	233			
0102 2 1	SPECIAL DETOUR 1	LS										
0102 2 2	SPECIAL DETOUR 2	LS										
0102 14	TRAFFIC CONTROL OFFICER	HR					40	40	40			
0102 60	WORK ZONE SIGN	ED	92	14	1288	141	36	5076	6364			
0102 61	BUSINESS SIGN	EA										
0102 71 15	BARRIER WALL, TEMPORARY BARRIER, F&I, ANCHORED	LF										
0102 71 25	BARRIER WALL, TEMPORARY BARRIER , RELOCATE, ANCHORED	LF		2773	2773		27668	27668	30441			
0102 74 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	92	30	2760	141	131	18471	21231			
0102 74 2	CHANNELIZING DEVICE, TYPE III, 6'	ED										
0102 76	ARROW BOARD/ ADVANCED WARING ARROW PANEL	ED	92	1	92	141	2	282	374			
0102 78	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA		1013	1013		2630	2630	3643			
0102 99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	92	2	184	141	2	282	466			
0102 9111	PAVEMENT MAEKING REMOVABLE TAPE, WHITE, SKIP	LF										
0102 9112	PAVEMENT MAEKING REMOVABLE TAPE, WHITE, SOLID	LF										
0102 9122	PAVEMENT MAEKING REMOVABLE TAPE, YELLOW, SOLID	LF										
0710 11101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM		0.869	0.869		3.961	3.961	4.830			
0710 11123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 12"	LF										
0710 11124	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 18"	LF										
0710 11125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 24"	LF										
0710 11131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30	GM		1.524	1.524		7.457	7.457	8.981			
0710 11141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, DOTTED, 6"	GM										
0710 11160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE	EA										
0710 11170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA										
0710 11180	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, YIELD LINE	LF										
0710 11201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM		0.763	0.763		2.937	2.937	3.700			
0710 11224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 18"	LF										
0710 11241	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, DOTTED, 6"	GM										

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-5

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE 2 - STAGE 2			PHASE 2 - STAGE 3			SHEET TOTAL		GRAND TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	DURATION	QUANTITY	TOTAL						
			DAYS	P	P	DAYS	P	P	P	F	P	F		
0102 1	MAINTENANCE OF TRAFFIC	LS/DA	92	1	92	92	1	92	184		934			
0102 2 1	SPECIAL DETOUR 1	LS									1			
0102 2 2	SPECIAL DETOUR 2	LS									1			
0102 14	TRAFFIC CONTROL OFFICER	HR		16	16		16	16	32		296			
0102 60	WORK ZONE SIGN	ED	92	30	2760	92	30	2760	5520		26478			
0102 61	BUSINESS SIGN	EA												
0102 71 15	BARRIER WALL, TEMPORARY BARRIER, F&I, ANCHORED	LF									28234			
0102 71 25	BARRIER WALL, TEMPORARY BARRIER , RELOCATE, ANCHORED	LF									42887			
0102 74 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	92	273	25116	92	300	27600	52716		90750			
0102 74 2	CHANNELIZING DEVICE, TYPE III, 6'	ED									98			
0102 76	ARROW BOARD/ ADVANCED WARING ARROW PANEL	ED									394			
0102 78	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA									6431			
0102 99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	92	2	184	92	2	184	368		2162			
0102 9111	PAVEMENT MAEKING REMOVABLE TAPE, WHITE, SKIP	LF									0.095			
0102 9112	PAVEMENT MAEKING REMOVABLE TAPE, WHITE, SOLID	LF									0.095			
0102 9122	PAVEMENT MAEKING REMOVABLE TAPE, YELLOW, SOLID	LF									0.095			
0710 11101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM									8.89			
0710 11123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 12"	LF					224	224	224		224			
0710 11124	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 18"	LF												
0710 11125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 24"	LF					194	194	194		224			
0710 11131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30	GM									13.118			
0710 11141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, DOTTED, 6"	GM									0.009			
0710 11160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE	EA												
0710 11170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA												
0710 11180	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, YIELD LINE	LF												
0710 11201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM									6.537			
0710 11224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 18"	LF												
0710 11241	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, DOTTED, 6"	GM												

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-6

SUMMARY OF PEDESTRIAN LONGITUDINAL CHANNELING DEVICES

CONST. PHASE	LOCATION STA. TO STA.	SIDE	QUANTITY 0102 74 7 LF P	QUANTITY 0102 74 7 LF F	DESIGN NOTES	CONSTRUCTION REMARKS
PH2-ST1	108+10.00 TO 108+38.00	LT	45			
PH2-ST1	108+10.00 TO 122+00.00	LT	1410			
PH2-ST2	109+11.00 TO 115+75.00	LT	673			
PH2-ST2	108+36.00 TO 115+82.00	LT	762			

SUMMARY OF TEMPORARY CRASH CUSHIONS

TTC PHASE	STATION	OFFSET (FT)	SIDE	WORK ZONE SPEED (MPH)	TEST LEVEL (TL-2 OR TL-3)	WIDTH OF HAZARD (IN)	LENGTH RESTRICTION (FT)	TEMPORARY CRASH CUSHION 0102 89 1		DESIGN NOTES	CONSTRUCTION REMARKS
								P	F		
PH1-ST1	104+45.00	0.00	LT	40	TL-3	192.00	N/A	1			
PH1-ST1	104+45.00	15.00	RT	40	TL-3	192.00	N/A	1			
PH1-ST1	121+76.00	12.00	LT	40	TL-3	216.00	N/A	1			
PH1-ST1	701+50.00	80.00	LT	60	TL-3	1200.00	N/A	1			
PH1-ST1	689+00.00	156.00	LT	50	TL-3	936.00	N/A	1			
PH1-ST1	110+75.00	12.00	RT	50	TL-3	1200.00	N/A	1			
PH2-ST1	552+80.00	26.00	RT	60	TL-3	336.00	N/A	1			
PH2-ST1	917+00.00	0.00	LT	50	TL-3	840.00	N/A	1			
PH1-ST1A	641+20.00	77.00	LT	25	TL-3	480.00	N/A	1			
PH1-ST1B	1011+00.00	265.00	RT	25	TL-3	480.00	N/A	1			
PH1-ST2	122+72.00	37.00	LT	40	TL-3	516.00	N/A	1			
PH1-ST2	688+80.00	152.00	LT	50	TL-3	660.00	N/A	1			
PH1-ST2	688+80.00	173.00	LT	50	TL-3	1320.00	N/A	1			
PH1-ST2	704+60.00	24.00	LT	60	TL-3	456.00	N/A	1			
PH1-ST3	110+00.00	16.00	RT	50	TL-3	72.00	N/A	1			
PH1-ST3	110+51.00	2.00	LT	50	TL-3	72.00	N/A	1			
PH2-ST1	552+80.00	96.00	RT	60	TL-3	336.00	N/A	1			
PH2-ST1	917+00.00	0.00	LT	50	TL-3	840.00	N/A	1			
PH2-ST1	108+00.00	50.00	RT	40	TL-3	480.00	N/A	1			

SUMMARY OF TEMPORARY SIGNALIZATION & DETECTION

PHASE	DURATION	0102104 TEMPORARY SIGNALS & MAINTENANCE OF INTERSECTION - EACH DAY						0102107 1 TEMPORARY TRAFFIC DETECTION & MAINTENANCE OF INTERSECTION - EACH DAY						DESIGN NOTES	CONSTRUCTION REMARKS
		EXISTING			TEMPORARY			EXISTING			TEMPORARY/NEW				
	DAYS	#	P	F	#	P	F	#	P	F	#	P	F		
PH 1 - ST 3	98				1	98		1	98						
ALL	934							1	934					DCP/PALM PKWY	
SUB-TOTAL						98			1032						
TOTAL						98					TOTAL		1032		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-9

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION		SIDE	AREA ID	ARTIFICIAL COVERINGS		SEDIMENT BASIN		SEDIMENT BASIN CLEANOUT		SEDIMENT BARRIER		FLOATING TURBIDITY BARRIER		STAKED TURBIDITY BARRIER		SOIL TRACKING PREVENTION DEVICE		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
				0104 1		0104 7		0104 9		0104 10 3		0104 11		0104 12		0104 15		0104 18			
STA.	TO STA.			SY		EA		EA		LF		LF		LF		EA		EA			
				P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F		
600+00.00	614+00.00	RT								1364.5										PND141	
614+10.00	644+90.00	LT								3108.4										PND141	
645+10.00	646+50.00	LT								526.0										PND141	
1004+85.00	1018+30.00	LT								2317.6										PND142	
1011+90.00	1018+30.00	RT								1216.7										PND142	
7088+00.00	7089+60.00	RT								181.5										IWBCD2	
7089+45.00	7090+00.00	LT								55.8										IWBCD2	
565+80.00	623+60.00	RT								5856.0										BL400	
623+20.00	644+00.00	RT								2181.5										BL400	
631+20.00	644+00.00	LT								1324.0										BL400	
672+70.00	676+35.00	RT								463.9										BL400	
676+30.00	687+10.00	RT								1265.2										BL400	
705+60.00	706+50.00	LT								261.6										BL400	
706+00.00	706+80.00	LT								73.1										BL400	
600+90.00	609+60.00	RT								1086.9										RAMP IC_DCP	
608+60.00	611+20.00	LT								307.9										RAMP IC_DCP	
611+80.00	614+60.00	RT								485.5										RAMP IC_DCP	
306+00.00	311+00.00	LT								490.5										RAMP IA_CFP	
1018+10.00	1018+35.00	LT												22.9						PND142	
1018+10.00	1018+35.00	RT												25.0						PND142	
1018+50.00	1018+75.00	LT												25.0						PND142	
1018+50.00	1018+75.00	RT												27.3						PND142	
710+50.00	710+90.00	LT												67.2						RAMP D_DCP	
575+70.00	575+30.00	LT												69.0						BL400	
676+00.00	676+25.00	RT												72.6						BL400	
676+90.00	677+15.00	RT												80.7						BL400	
696+40.00	697+00.00	LT												72.3						BL400	
696+70.00	697+40.00	RT												87.7						BL400	
699+70.00	700+10.00	LT												59.2						BL400	
700+60.00	701+10.00	LT												49.9						BL400	
705+10.00	705+80.00	RT												79.4						BL400	
706+20.00	706+80.00	LT												72.0						BL400	
701+10.00	701+40.00	LT										72.5								RAMP D_DCP	
701+40.00	701+80.00	LT										63.5								RAMP D_DCP	
701+40.00	701+90.00	RT										73.2								RAMP D_DCP	
701+45.00	701+70.00	RT										41.8								RAMP D_DCP	
703+15.00	703+85.00	RT										111.0								RAMP D_DCP	
703+20.00	703+90.00	LT										115.1								RAMP D_DCP	
706+90.00	707+60.00	RT										119.6								RAMP D_DCP	
660+00.00	672+60.00	RT										1455.9								BL400	
612+40.00	613+20.00	RT										101.0								PND141	
615+20.00	615+80.00	RT										113.5								PND141	
622+40.00	623+20.00	RT										111.5								PND141	
626+50.00	627+30.00	RT										112.6								PND141	
630+25.00	631+10.00	RT										132.2								PND141	
633+90.00	634+60.00	RT										124.7								PND141	
638+20.00	638+70.00	LT										68.2								PND141	
642+80.00	644+70.00	RT										208.8								PND141	
SUB-TOTAL :										22566.6		3025.1		810.2							
TOTAL :																					

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-10

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION STA.	TO STA.	SIDE	AREA ID	ARTIFICIAL COVERINGS 0104 1 SY		SEDIMENT BASIN 0104 7 EA		SEDIMENT BASIN CLEANOUT 0104 9 EA		SEDIMENT BARRIER 0104 10 3 LF		FLOATING TURBIDITY BARRIER 0104 11 LF		STAKED TURBIDITY BARRIER 0104 12 LF		SOIL TRACKING PREVENTION DEVICE 0104 15 EA		INLET PROTECTION SYSTEM 0104 18 EA		DESIGN NOTES	CONSTRUCTION REMARKS
				P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F		
609+50.00	611+80.00	RT										263.5								RAMP IC_DCP	
563+70.00	563+70.00	RT																2		BL400	
575+00.00	575+00.00	RT																1		BL400	
592+00.00	592+00.00	RT																1		BL400	
607+00.00	607+00.00	RT																1		BL400	
654+60.00	654+60.00	LT																1		BL400	
658+00.00	658+00.00	LT																1		BL400	
676+60.00	676+60.00	LT																1		BL400	
679+50.00	679+50.00	LT																2		BL400	
679+50.00	679+50.00	RT																1		BL400	
700+65.00	700+65.00	LT																1		BL400	
702+40.00	702+40.00	LT																1		BL400	
703+65.00	703+65.00	LT																1		BL400	
706+00.00	706+00.00	LT																1		BL400	
104+40.00	104+40.00	LT																1		DARYL CARTER PKWY	
104+40.00	104+40.00	RT																1		DARYL CARTER PKWY	
105+00.00	105+00.00	LT																1		DARYL CARTER PKWY	
105+00.00	105+00.00	RT																1		DARYL CARTER PKWY	
107+60.00	107+60.00	LT																1		DARYL CARTER PKWY	
107+60.00	107+60.00	RT																1		DARYL CARTER PKWY	
109+50.00	109+50.00	LT																1		DARYL CARTER PKWY	
109+50.00	109+50.00	RT																1		DARYL CARTER PKWY	
109+50.00	109+50.00	LT																1		DARYL CARTER PKWY	
109+50.00	109+50.00	RT																1		DARYL CARTER PKWY	
118+10.00	118+10.00	LT																1		DARYL CARTER PKWY	
118+10.00	118+10.00	RT																1		DARYL CARTER PKWY	
121+70.00	121+70.00	LT																1		DARYL CARTER PKWY	
121+70.00	121+70.00	RT																1		DARYL CARTER PKWY	
101+50.00	101+50.00	RT																1		LATDITCH	
104+20.00	104+20.00	RT																1		LATDITCH	
612+50.00	612+50.00	RT																1		PND141	
614+00.00	614+00.00	RT																1		PND141	
615+10.00	615+10.00	RT																1		PND141	
616+10.00	616+10.00	LT																1		PND141	
620+00.00	620+00.00	LT																1		PND141	
622+50.00	622+50.00	LT																1		PND141	
626+90.00	626+90.00	LT																1		PND141	
630+90.00	630+90.00	LT																1		PND141	
633+15.00	633+15.00	LT																1		PND141	
635+80.00	635+80.00	LT																1		PND141	
638+00.00	638+00.00	RT																1		PND141	
638+60.00	638+60.00	RT																1		PND141	
207+80.00	207+80.00	RT																1		RAMP ISLIP2	
212+30.00	212+30.00	RT																1		RAMP ISLIP2	
609+80.00	609+80.00	LT																1		RAMP IC_DCP	
616+20.00	616+20.00	RT																1		RAMP IC_DCP	
635+10.00	635+10.00	LT																1		BL400	
639+60.00	639+60.00	LT																1		BL400	
638+60.00	638+60.00	LT																1		BL400	
640+60.00	640+60.00	LT																1		BL400	
SUB-TOTAL :												263.5						49.0			
TOTAL :																					

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-11

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION STA. TO STA.		SIDE	AREA ID	ARTIFICIAL COVERINGS 0104 1 SY		SEDIMENT BASIN 0104 7 EA		SEDIMENT BASIN CLEANOUT 0104 9 EA		SEDIMENT BARRIER 0104 10 3 LF		FLOATING TURBIDITY BARRIER 0104 11 LF		STAKED TURBIDITY BARRIER 0104 12 LF		SOIL TRACKING PREVENTION DEVICE 0104 15 EA		INLET PROTECTION SYSTEM 0104 18 EA		DESIGN NOTES	CONSTRUCTION REMARKS
				P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F		
643+10.00	643+10.00	LT																1		BL400	
644+30.00	644+30.00	LT																1		BL400	
647+60.00	647+60.00	LT																1		BL400	
649+10.00	649+10.00	LT																1		BL400	
652+40.00	652+40.00	LT																1		BL400	
654+10.00	654+10.00	LT																1		BL400	
655+90.00	655+90.00	LT																2		BL400	
658+00.00	658+00.00	LT																2		BL400	
659+90.00	659+90.00	LT																1		BL400	
661+00.00	661+00.00	LT																2		BL400	
662+00.00	662+00.00	LT																2		BL400	
664+60.00	664+60.00	LT																1		BL400	
666+60.00	666+60.00	LT																1		BL400	
668+60.00	668+60.00	LT																1		BL400	
670+60.00	670+60.00	LT																1		BL400	
672+60.00	672+60.00	LT																1		BL400	
674+60.00	674+60.00	LT																1		BL400	
676+60.00	676+60.00	LT																1		BL400	
678+60.00	678+60.00	LT																1		BL400	
680+60.00	680+60.00	LT																1		BL400	
682+10.00	682+10.00	LT																1		BL400	
688+60.00	688+60.00	LT																1		BL400	
108+50.00	108+50.00	RT																1		DARYL CARTER PKWY	
116+15.00	116+15.00	LT																1		DARYL CARTER PKWY	
118+10.00	118+10.00	LT																1		DARYL CARTER PKWY	
120+00.00	120+00.00	LT																1		DARYL CARTER PKWY	
121+70.00	121+70.00	LT																1		DARYL CARTER PKWY	
121+70.00	121+70.00	RT																1		DARYL CARTER PKWY	
700+80.00	700+80.00	RT																1		RAMP D_DCP	
701+00.00	701+00.00	RT																2		RAMP D_DCP	
701+60.00	701+60.00	LT																1		RAMP D_DCP	
701+60.00	701+60.00	RT																1		RAMP D_DCP	
703+50.00	703+50.00	LT																1		RAMP D_DCP	
703+50.00	703+50.00	RT																1		RAMP D_DCP	
705+00.00	705+00.00	LT																1		RAMP D_DCP	
705+00.00	705+00.00	RT																1		RAMP D_DCP	
706+50.00	706+50.00	LT																1		RAMP D_DCP	
706+50.00	706+50.00	RT																1		RAMP D_DCP	
707+50.00	707+50.00	LT																1		RAMP D_DCP	
707+50.00	707+50.00	RT																1		RAMP D_DCP	
708+35.00	708+35.00	LT																1		RAMP D_DCP	
709+60.00	709+60.00	LT																1		RAMP D_DCP	
711+00.00	711+00.00	LT																1		RAMP D_DCP	
711+80.00	711+80.00	LT																1		RAMP D_DCP	
712+20.00	712+20.00	LT																1		RAMP D_DCP	
712+60.00	712+60.00	LT																1		RAMP D_DCP	
7066+20.00	7066+20.00	LT																1		IWBCD2	
7066+20.00	7066+20.00	RT																1		IWBCD2	
	SUB-TOTAL:																	53.0			
	TOTAL:																				

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-12

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION		SIDE	AREA ID	ARTIFICIAL COVERINGS		SEDIMENT BASIN		SEDIMENT BASIN CLEANOUT		SEDIMENT BARRIER		FLOATING TURBIDITY BARRIER		STAKED TURBIDITY BARRIER		SOIL TRACKING PREVENTION DEVICE		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
STA. TO STA.				0104 1		0104 7		0104 9		0104 10 3		0104 11		0104 12		0104 15		0104 18			
				SY		EA		EA		LF		LF		LF		EA		EA			
				P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F		
7066+90.00	7066+90.00	LT																1		IWBCD2	
7067+20.00	7067+20.00	LT																1		IWBCD2	
7067+40.00	7067+40.00	RT																1		IWBCD2	
7067+50.00	7067+50.00	LT																1		IWBCD2	
7068+25.00	7068+25.00	LT																1		IWBCD2	
7068+90.00	7068+90.00	LT																1		IWBCD2	
7068+90.00	7068+90.00	RT																1		IWBCD2	
7070+00.00	7070+00.00	LT																1		IWBCD2	
7070+90.00	7070+90.00	LT																1		IWBCD2	
7070+90.00	7070+90.00	RT																1		IWBCD2	
7072+00.00	7072+00.00	LT																1		IWBCD2	
7072+90.00	7072+90.00	LT																1		IWBCD2	
7072+90.00	7072+90.00	RT																1		IWBCD2	
7074+00.00	7074+00.00	LT																1		IWBCD2	
7074+90.00	7074+90.00	LT																1		IWBCD2	
7074+90.00	7074+90.00	RT																1		IWBCD2	
7076+00.00	7076+00.00	LT																1		IWBCD2	
7076+35.00	7076+35.00	RT																1		IWBCD2	
7076+90.00	7076+90.00	LT																1		IWBCD2	
7076+90.00	7076+90.00	RT																1		IWBCD2	
7078+00.00	7078+00.00	LT																1		IWBCD2	
7078+90.00	7078+90.00	LT																1		IWBCD2	
7078+90.00	7078+90.00	RT																1		IWBCD2	
7080+00.00	7080+00.00	LT																1		IWBCD2	
7080+90.00	7080+90.00	LT																1		IWBCD2	
7080+90.00	7080+90.00	LT																1		IWBCD2	
7080+90.00	7080+90.00	RT																1		IWBCD2	
7082+00.00	7082+00.00	LT																1		IWBCD2	
7082+00.00	7082+00.00	RT																1		IWBCD2	
7082+90.00	7082+90.00	LT																1		IWBCD2	
7084+00.00	7084+00.00	LT																1		IWBCD2	
7084+90.00	7084+90.00	LT																1		IWBCD2	
7084+90.00	7084+90.00	RT																1		IWBCD2	
7086+90.00	7086+90.00	LT																1		IWBCD2	
7086+90.00	7086+90.00	RT																1		IWBCD2	
7087+90.00	7087+90.00	LT																1		IWBCD2	
7088+90.00	7088+90.00	LT																1		IWBCD2	
7088+90.00	7088+90.00	RT																1		IWBCD2	
7089+90.00	7089+90.00	LT																1		IWBCD2	
7089+90.00	7089+90.00	RT																1		IWBCD2	
7090+50.00	7090+50.00	LT																1		IWBCD2	
7090+50.00	7090+50.00	RT																1		IWBCD2	
7091+50.00	7091+50.00	LT																1		IWBCD2	
7091+50.00	7091+50.00	RT																1		IWBCD2	
7092+20.00	7092+20.00	LT																1		IWBCD2	
7092+90.00	7092+90.00	LT																1		IWBCD2	
7092+90.00	7092+90.00	RT																1		IWBCD2	
7093+90.00	7093+90.00	LT																1		IWBCD2	
7094+90.00	7094+90.00	LT																1		IWBCD2	
		SUB-TOTAL:																48.0			
		TOTAL:																			

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-13

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION STA.	LOCATION STA. TO STA.	SIDE	AREA ID	ARTIFICIAL COVERINGS 0104 1 SY P	ARTIFICIAL COVERINGS 0104 1 SY F	SEDIMENT BASIN 0104 7 EA P	SEDIMENT BASIN 0104 7 EA F	SEDIMENT BASIN CLEANOUT 0104 9 EA P	SEDIMENT BASIN CLEANOUT 0104 9 EA F	SEDIMENT BARRIER 0104 10 3 LF P	SEDIMENT BARRIER 0104 10 3 LF F	FLOATING TURBIDITY BARRIER 0104 11 LF P	FLOATING TURBIDITY BARRIER 0104 11 LF F	STAKED TURBIDITY BARRIER 0104 12 LF P	STAKED TURBIDITY BARRIER 0104 12 LF F	SOIL TRACKING PREVENTION DEVICE 0104 15 EA P	SOIL TRACKING PREVENTION DEVICE 0104 15 EA F	INLET PROTECTION SYSTEM 0104 18 EA P	INLET PROTECTION SYSTEM 0104 18 EA F	DESIGN NOTES	CONSTRUCTION REMARKS
7094+90.00	7094+90.00	RT																1		IWBCD2	
300+50.00	300+50.00	LT																1		RAMP IA_CFP	
301+40.00	301+40.00	LT																1		RAMP IA_CFP	
301+90.00	301+90.00	LT																1		RAMP IA_CFP	
104+90.00	104+90.00	LT																1		RAMP ISLIP1	
105+70.00	105+70.00	LT																1		RAMP ISLIP1	
106+20.00	106+20.00	LT																1		RAMP ISLIP1	
106+20.00	106+20.00	RT																1		RAMP ISLIP1	
106+70.00	106+70.00	LT																2		RAMP ISLIP1	
106+70.00	106+70.00	RT																1		RAMP ISLIP1	
108+00.00	108+00.00	LT																1		RAMP ISLIP1	
108+00.00	108+00.00	RT																1		RAMP ISLIP1	
109+00.00	109+00.00	LT																1		RAMP ISLIP1	
109+00.00	109+00.00	RT																1		RAMP ISLIP1	
110+15.00	110+15.00	LT																1		RAMP ISLIP1	
110+15.00	110+15.00	RT																1		RAMP ISLIP1	
114+00.00	114+00.00	LT																1		RAMP ISLIP1	
114+00.00	114+00.00	RT																1		RAMP ISLIP1	
690+60.00	690+60.00	LT																1		BL400	
692+50.00	692+50.00	LT																1		BL400	
693+70.00	693+70.00	LT																1		BL400	
694+60.00	694+60.00	LT																1		BL400	
696+75.00	696+75.00	LT																1		BL400	
699+80.00	699+80.00	LT																1		BL400	
302+40.00	302+40.00	LT																1		RAMP IA_CFP	
303+90.00	303+90.00	LT																1		RAMP IA_CFP	
303+90.00	303+90.00	LT																1		RAMP IA_CFP	
305+25.00	305+25.00	LT																1		RAMP IA_CFP	
305+75.00	305+75.00	LT																1		RAMP IA_CFP	
306+50.00	306+50.00	LT																1		RAMP IA_CFP	
306+50.00	306+50.00	RT																1		RAMP IA_CFP	
307+00.00	307+00.00	LT																1		RAMP IA_CFP	
307+00.00	307+00.00	RT																1		RAMP IA_CFP	
307+50.00	307+50.00	LT																1		RAMP IA_CFP	
307+50.00	307+50.00	RT																1		RAMP IA_CFP	
407+90.00	407+90.00	LT																1		RAMP IC_CFP	
682+10.00	682+10.00	LT																1		BL400	
682+60.00	682+60.00	LT																1		BL400	
683+60.00	683+60.00	LT																1		BL400	
683+90.00	683+90.00	LT																1		BL400	
684+25.00	684+25.00	LT																1		BL400	
684+80.00	684+80.00	LT																1		BL400	
685+60.00	685+60.00	LT																1		BL400	
697+00.00	697+00.00	RT																2		BL400	
208+00.00	208+00.00	LT																1		RAMP ISLIP2	
208+50.00	208+50.00	LT																1		RAMP ISLIP2	
208+60.00	208+60.00	RT																1		RAMP ISLIP2	
210+35.00	210+35.00	LT																1		RAMP ISLIP2	
210+60.00	210+60.00	RT																1		RAMP ISLIP2	
	SUB-TOTAL :																	50.0			
	TOTAL :																				

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-14

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION STA. TO STA.	SIDE	AREA ID	ARTIFICIAL COVERINGS 0104 1 SY		SEDIMENT BASIN 0104 7 EA		SEDIMENT BASIN CLEANOUT 0104 9 EA		SEDIMENT BARRIER 0104 10 3 LF		FLOATING TURBIDITY BARRIER 0104 11 LF		STAKED TURBIDITY BARRIER 0104 12 LF		SOIL TRACKING PREVENTION DEVICE 0104 15 EA		INLET PROTECTION SYSTEM 0104 18 EA		DESIGN NOTES	CONSTRUCTION REMARKS
			P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F		
212+50.00 212+50.00	LT																1		RAMP ISLIP2	
214+60.00 214+60.00	LT																1		RAMP ISLIP2	
570+00.00 570+00.00	RT																1		BL400	
571+00.00 571+00.00	RT																1		BL400	
572+00.00 572+00.00	RT																1		BL400	
574+00.00 574+00.00	RT																1		BL400	
575+00.00 575+00.00	RT																1		BL400	
576+10.00 576+10.00	RT																1		BL400	
577+00.00 577+00.00	RT																1		BL400	
578+00.00 578+00.00	RT																1		BL400	
579+00.00 579+00.00	RT																1		BL400	
580+00.00 580+00.00	RT																1		BL400	
620+00.00 620+00.00	RT																1		BL400	
621+00.00 621+00.00	RT																1		BL400	
622+50.00 622+50.00	RT																1		BL400	
624+00.00 624+00.00	RT																1		BL400	
625+50.00 625+50.00	RT																1		BL400	
626+50.00 626+50.00	RT																1		BL400	
627+00.00 627+00.00	RT																1		BL400	
627+50.00 627+50.00	RT																1		BL400	
628+00.00 628+00.00	RT																1		BL400	
628+50.00 628+50.00	RT																1		BL400	
628+50.00 628+50.00	RT																1		BL400	
630+50.00 630+50.00	RT																1		BL400	
631+00.00 631+00.00	RT																1		BL400	
632+60.00 632+60.00	RT																1		BL400	
636+50.00 636+50.00	RT																1		BL400	
640+60.00 640+60.00	RT																1		BL400	
643+60.00 643+60.00	RT																1		BL400	
647+60.00 647+60.00	RT																1		BL400	
649+70.00 649+70.00	RT																1		BL400	
658+70.00 658+70.00	RT																1		BL400	
659+30.00 659+30.00	RT																1		BL400	
660+60.00 660+60.00	RT																1		BL400	
661+70.00 661+70.00	RT																1		BL400	
662+70.00 662+70.00	RT																1		BL400	
664+70.00 664+70.00	RT																1		BL400	
665+70.00 665+70.00	RT																1		BL400	
666+60.00 666+60.00	RT																1		BL400	
667+70.00 667+70.00	RT																1		BL400	
668+60.00 668+60.00	RT																1		BL400	
669+70.00 669+70.00	RT																1		BL400	
670+60.00 670+60.00	RT																1		BL400	
499+50.00 499+50.00	RT																1		RAMP IB_DCP	
500+00.00 500+00.00	RT																1		RAMP IB_DCP	
540+00.00 540+00.00	RT																1		RAMP IB_DCP	
501+00.00 501+00.00	RT																1		RAMP IB_DCP	
501+50.00 501+50.00	RT																1		RAMP IB_DCP	
503+10.00 503+10.00	RT																1		RAMP IB_DCP	
SUB-TOTAL :																	48.0			
TOTAL :																				

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-15

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION STA. TO STA.		SIDE	AREA ID	ARTIFICIAL COVERINGS 0104 1 SY		SEDIMENT BASIN 0104 7 EA		SEDIMENT BASIN CLEANOUT 0104 9 EA		SEDIMENT BARRIER 0104 10 3 LF		FLOATING TURBIDITY BARRIER 0104 11 LF		STAKED TURBIDITY BARRIER 0104 12 LF		SOIL TRACKING PREVENTION DEVICE 0104 15 EA		INLET PROTECTION SYSTEM 0104 18 EA		DESIGN NOTES	CONSTRUCTION REMARKS
				P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F		
504+45.00	504+45.00	RT																1		RAMP IB_DCP	
404+90.00	404+90.00	RT																1		RAMP IB_DCP	
505+35.00	505+35.00	RT																1		RAMP IB_DCP	
506+10.00	506+10.00	LT																1		RAMP IB_DCP	
507+00.00	507+00.00	LT																2		RAMP IB_DCP	
507+00.00	507+00.00	RT																1		RAMP IB_DCP	
508+20.00	508+20.00	LT																1		RAMP IB_DCP	
508+50.00	508+50.00	LT																1		RAMP IB_DCP	
509+40.00	509+40.00	LT																1		RAMP IB_DCP	
509+40.00	509+40.00	RT																1		RAMP IB_DCP	
511+10.00	511+10.00	LT																2		RAMP IB_DCP	
512+80.00	512+80.00	LT																1		RAMP IB_DCP	
512+80.00	512+80.00	RT																1		RAMP IB_DCP	
513+70.00	513+70.00	LT																2		RAMP IB_DCP	
513+70.00	513+70.00	RT																1		RAMP IB_DCP	
514+10.00	514+10.00	LT																1		RAMP IB_DCP	
514+40.00	514+40.00	LT																1		RAMP IB_DCP	
514+60.00	514+60.00	RT																1		RAMP IB_DCP	
515+20.00	515+20.00	RT																1		RAMP IB_DCP	
600+75.00	600+75.00	LT																1		RAMP IC_DCP	
601+00.00	601+00.00	RT																1		RAMP IC_DCP	
601+10.00	601+10.00	LT																1		RAMP IC_DCP	
601+30.00	601+30.00	LT																1		RAMP IC_DCP	
601+50.00	601+50.00	LT																1		RAMP IC_DCP	
601+50.00	601+50.00	RT																1		RAMP IC_DCP	
601+50.00	601+50.00	LT																1		RAMP IC_DCP	
601+50.00	601+50.00	RT																1		RAMP IC_DCP	
601+60.00	601+60.00	LT																1		RAMP IC_DCP	
602+20.00	602+20.00	LT																2		RAMP IC_DCP	
602+20.00	602+20.00	RT																1		RAMP IC_DCP	
604+70.00	604+70.00	RT																1		RAMP IC_DCP	
607+50.00	607+50.00	RT																1		RAMP IC_DCP	
607+80.00	607+80.00	LT																1		RAMP IC_DCP	
608+80.00	608+80.00	RT																1		RAMP IC_DCP	
609+15.00	609+15.00	RT																1		RAMP IC_DCP	
609+25.00	609+25.00	LT																1		RAMP IC_DCP	
610+15.00	610+15.00	RT																1		RAMP IC_DCP	
611+00.00	611+00.00	RT																2		RAMP IC_DCP	
611+90.00	611+90.00	RT																1		RAMP IC_DCP	
612+25.00	612+25.00	LT																1		RAMP IC_DCP	
612+25.00	612+25.00	RT																2		RAMP IC_DCP	
613+00.00	613+00.00	LT																1		RAMP IC_DCP	
613+00.00	613+00.00	RT																2		RAMP IC_DCP	
613+90.00	613+90.00	RT																2		RAMP IC_DCP	
614+40.00	614+40.00	LT																1		RAMP IC_DCP	
615+10.00	615+10.00	RT																1		RAMP IC_DCP	
615+80.00	615+80.00	RT																1		RAMP IC_DCP	
616+90.00	616+90.00	RT																1		RAMP IC_DCP	
	SUB-TOTAL :																	54.0			
	TOTAL :																				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-16

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION		SIDE	AREA ID	ARTIFICIAL COVERINGS		SEDIMENT BASIN		SEDIMENT BASIN CLEANOUT		SEDIMENT BARRIER		FLOATING TURBIDITY BARRIER		STAKED TURBIDITY BARRIER		SOIL TRACKING PREVENTION DEVICE		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
STA.	TO STA.			0104 1		0104 7		0104 9		0104 10 3		0104 11		0104 12		0104 15		0104 18			
				SY		EA		EA		LF		LF		LF		EA		EA			
				P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F		
617+80.00	617+80.00	RT																1		RAMP IC_DCP	
618+90.00	618+90.00	RT																1		RAMP IC_DCP	
108+60.00	108+60.00	LT																1		DARYL CARTER PKWY	
108+60.00	108+60.00	RT																1		DARYL CARTER PKWY	
115+55.00	115+55.00	LT																1		DARYL CARTER PKWY	
115+55.00	115+55.00	RT																1		DARYL CARTER PKWY	
SUB-TOTAL:																		6.0			
TOTAL:										22567		3289		810				308			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-17

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION STA. TO STA.		SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL 0107 1 AREA ID	L	W	CYCLES	AREA AC/CYCLE	TOTAL (AC) P	TOTAL (AC) F	MOWING 0107 2 AREA ID	L	W	CYCLES	AREA AC/CYCLE	TOTAL (AC) P	TOTAL (AC) F	DESIGN NOTES	CONSTRUCTION REMARKS
0107 2 Mowing	554+65.93 R 4	to 564+95.89 R 4	RT	100	30								513509			3	0.310	1.034		BL400	
	557+26.29 R 4	to 644+33.28 R 4	LT/RT	100	30								508464			3	2.241	7.470		BL400	
	558+25.45 R 4	to 568+17.49 R 4	LT	100	30								510645			3	0.309	1.030		BL400	
	560+82.89 R 4	to 561+43.84 R 4	LT	100	30								510661			3	0.011	0.037		BL400	
	567+28.11 R 4	to 567+28.11 R 4	LT	100	30								550137			3	0.484	1.614		BL400	
	574+73.66 R 4	to 644+11.63 R 4	LT	100	30								512454			3	2.388	7.959		BL400	
	590+65.25 R 4	to 590+65.25 R 4	RT	100	30								517803			3	3.536	11.786		BL400	
	633+81.12 R 4	to 634+44.74 R 4	LT	100	30								476311			3	0.001	0.003		BL400	
	633+81.13 R 4	to 638+41.67 R 4	LT	100	30								476225			3	0.123	0.411		BL400	
	633+81.29 R 4	to 638+41.99 R 4	LT	100	30								476230			3	0.035	0.117		BL400	
	634+44.74 R 4	to 638+41.27 R 4	LT	100	30								476276			3	0.038	0.128		BL400	
	634+59.46 R 4	to 635+61.24 R 4	LT	100	30								478659			3	0.038	0.128		BL400	
	635+61.24 R 4	to 636+62.80 R 4	LT	100	30								478664			3	0.039	0.130		BL400	
	636+62.80 R 4	to 637+61.54 R 4	LT	100	30								478670			3	0.044	0.148		BL400	
	637+61.45 R 4	to 638+60.05 R 4	LT	100	30								478675			3	0.066	0.219		BL400	
	638+60.05 R 4	to 639+57.78 R 4	LT	100	30								478690			3	0.051	0.170		BL400	
	638+60.05 R 4	to 639+57.78 R 4	LT	100	30								478698			3	0.011	0.038		BL400	
	639+57.78 R 4	to 640+54.99 R 4	LT	100	30								478704			3	0.008	0.028		BL400	
	639+57.78 R 4	to 640+54.99 R 4	LT	100	30								478710			3	0.052	0.174		BL400	
	640+54.99 R 4	to 641+52.54 R 4	LT	100	30								478715			3	0.008	0.028		BL400	
	640+54.99 R 4	to 641+52.54 R 4	LT	100	30								478720			3	0.051	0.171		BL400	
	641+23.73 R 4	to 641+23.73 R 4	LT	100	30								473807			3	0.248	0.826		BL400	
	641+35.78 R 4	to 641+35.78 R 4	LT	100	30								473788			3	0.130	0.432		BL400	
	641+52.54 R 4	to 642+52.87 R 4	LT	100	30								478726			3	0.009	0.029		BL400	
	641+52.54 R 4	to 642+52.87 R 4	LT	100	30								478731			3	0.054	0.181		BL400	
	642+52.87 R 4	to 643+53.21 R 4	LT	100	30								478737			3	0.009	0.029		BL400	
	642+52.87 R 4	to 643+53.21 R 4	LT	100	30								478742			3	0.059	0.195		BL400	
	643+53.21 R 4	to 644+11.66 R 4	LT	100	30								478749			3	0.011	0.038		BL400	
	643+53.21 R 4	to 644+11.73 R 4	LT	100	30								478757			3	0.053	0.177		BL400	
	665+76.55 R 4	to 665+76.55 R 4	RT	100	30								541405			3	0.970	3.234		BL400	
	684+68.24 R 4	to 685+68.24 R 4	RT	100	30								477473			3	0.061	0.203		BL400	
	685+53.88 R 4	to 685+53.88 R 4	RT	100	30								540983			3	2.031	6.771		BL400	
	685+91.69 R 4	to 700+69.09 R 4	LT/RT	100	30								541435			3	0.395	1.317		BL400	
	690+16.06 R 4	to 707+68.20 R 4	RT	100	30								515251			3	0.931	3.102		BL400	
	700+69.09 R 4	to 705+16.17 R 4	LT/RT	100	30								515170			3	0.064	0.214		BL400	
	700+79.16 R 4	to 707+50.85 R 4	LT/RT	100	30								515211			3	0.086	0.287		BL400	
	702+85.82 R 4	to 705+14.66 R 4	LT/RT	100	30								515178			3	0.025	0.082		BL400	
	705+16.12 R 4	to 707+33.63 R 4	RT	100	30								515231			3	0.004	0.012		BL400	
	706+01.65 R 4	to 707+78.72 R 4	RT	100	30								527425			3	0.098	0.328		BL400	
	706+78.39 R 4	to 706+90.55 R 4	RT	100	30								540971			3	0.000	0.001		BL400	
	5448+01.01	to 5448+01.01	RT	100	30								480029			3	0.059	0.197		CL_PALM_PKWY	
	5448+82.88	to 5448+82.88	RT	100	30								478024			3	0.017	0.056		CL_PALM_PKWY	
	5449+39.91	to 5449+39.91	RT	100	30								478031			3	0.005	0.015		CL_PALM_PKWY	
	5449+45.88	to 5449+45.88	RT	100	30								478038			3	0.004	0.013		CL_PALM_PKWY	
	5450+45.21	to 5450+45.21	RT	100	30								478043			3	0.003	0.011		CL_PALM_PKWY	
	5450+71.03	to 5450+71.03	RT	100	30								478019			3	0.015	0.049		CL_PALM_PKWY	
	5451+44.39	to 5451+44.39	RT	100	30								478055			3	0.009	0.031		CL_PALM_PKWY	
										SUB-TOTAL:							SUB-TOTAL:	50.653			
										TOTAL:	69.27						TOTAL:	109.37			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-18

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION STA. TO STA.			SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL 0107 1							MOWING 0107 2						DESIGN NOTES	CONSTRUCTION REMARKS
							AREA ID	L	W	CYCLES	AREA AC/CYCLE	AREA TOTAL (AC) P	AREA TOTAL (AC) F	AREA ID	L	W	CYCLES	AREA AC/CYCLE	AREA TOTAL (AC) P	AREA TOTAL (AC) F		
	5451+69.81	to	5451+69.81	RT	100	30								478014			3	0.026	0.088		CL_PALM_PKWY	
	5452+41.45	to	5452+41.45	RT	100	30								478048			3	0.013	0.043		CL_PALM_PKWY	
	5452+62.90	to	5452+62.90	RT	100	30								473908			3	0.405	1.351		CL_PALM_PKWY	
	5452+62.97	to	5452+62.97	RT	100	30								477972			3	0.235	0.782		CL_PALM_PKWY	
	5452+64.84	to	5452+64.84	RT	100	30								478008			3	0.039	0.130		CL_PALM_PKWY	
	5452+64.84	to	5452+64.84	RT	100	30								478063			3	0.036	0.121		CL_PALM_PKWY	
	5453+57.97	to	5453+57.97	LT/RT	100	30								478073			3	0.081	0.269		CL_PALM_PKWY	
	5454+19.01	to	5454+19.01	RT	100	30								480016			3	0.016	0.052		CL_PALM_PKWY	
	5454+75.22	to	5454+75.22	LT/RT	100	30								478085			3	0.057	0.191		CL_PALM_PKWY	
	5454+89.30	to	5454+89.30	RT	100	30								479999			3	0.127	0.424		CL_PALM_PKWY	
	5455+26.52	to	5455+26.52	LT	100	30								478209			3	0.009	0.029		CL_PALM_PKWY	
	5455+55.49	to	5455+55.49	LT/RT	100	30								478214			3	0.059	0.198		CL_PALM_PKWY	
	5455+81.32	to	5455+81.32	RT	100	30								473891			3	0.099	0.330		CL_PALM_PKWY	
	5455+88.19	to	5455+88.19	LT/RT	100	30								478002			3	0.047	0.156		CL_PALM_PKWY	
	5456+46.41	to	5456+46.41	LT/RT	100	30								478221			3	0.105	0.349		CL_PALM_PKWY	
	5456+78.40	to	5456+78.40	RT	100	30								478237			3	0.070	0.232		CL_PALM_PKWY	
	5457+33.06	to	5457+33.06	RT	100	30								479991			3	0.037	0.122		CL_PALM_PKWY	
	5457+76.69	to	5457+76.69	LT	100	30								478230			3	0.026	0.085		CL_PALM_PKWY	
	5457+94.75	to	5493+70.48	LT/RT	100	30								478096			3	0.125	0.416		CL_PALM_PKWY	
	5458+15.02	to	5458+15.02	RT	100	30								478246			3	0.061	0.203		CL_PALM_PKWY	
	5458+32.37	to	5458+32.37	RT	100	30								479982			3	0.038	0.125		CL_PALM_PKWY	
	5458+60.60	to	5458+60.60	RT	100	30								478262			3	0.075	0.251		CL_PALM_PKWY	
	5458+63.01	to	5458+63.01	LT	100	30								478256			3	0.017	0.056		CL_PALM_PKWY	
	5459+31.89	to	5459+31.89	RT	100	30								479973			3	0.037	0.123		CL_PALM_PKWY	
	5459+33.13	to	5459+33.13	RT	100	30								478274			3	0.012	0.041		CL_PALM_PKWY	
	5459+55.67	to	5459+55.67	LT	100	30								478171			3	0.160	0.532		CL_PALM_PKWY	
	5459+55.67	to	5459+55.67	LT	100	30								478190			3	0.272	0.906		CL_PALM_PKWY	
	5460+31.55	to	5460+31.55	RT	100	30								479964			3	0.038	0.126		CL_PALM_PKWY	
	5460+61.86	to	5460+61.86	LT	100	30								478269			3	0.048	0.160		CL_PALM_PKWY	
	5460+95.16	to	5460+95.16	RT	100	30								478285			3	0.071	0.236		CL_PALM_PKWY	
	5461+25.29	to	5461+25.29	LT/RT	100	30								478291			3	0.219	0.730		CL_PALM_PKWY	
	5461+58.66	to	5461+58.66	LT	100	30								478279			3	0.026	0.087		CL_PALM_PKWY	
	5461+66.97	to	5461+66.97	LT/RT	100	30								478303			3	0.077	0.258		CL_PALM_PKWY	
	5461+98.46	to	5493+70.32	LT/RT	100	30								478133			3	0.244	0.813		CL_PALM_PKWY	
	5462+11.56	to	5462+11.56	RT	100	30								478312			3	0.014	0.045		CL_PALM_PKWY	
	5462+11.56	to	5462+11.56	RT	100	30								479955			3	0.037	0.124		CL_PALM_PKWY	
	5462+20.88	to	5462+20.88	RT	100	30								478326			3	0.005	0.018		CL_PALM_PKWY	
	5463+07.41	to	5463+07.41	RT	100	30								479948			3	0.029	0.095		CL_PALM_PKWY	
	5463+57.70	to	5463+57.70	RT	100	30								479940			3	0.036	0.119		CL_PALM_PKWY	
	5464+09.32	to	5464+09.32	RT	100	30								479932			3	0.035	0.116		CL_PALM_PKWY	
	5464+41.59	to	5464+41.59	LT	100	30								478319			3	0.004	0.013		CL_PALM_PKWY	
	5464+59.44	to	5464+59.44	RT	100	30								478337			3	0.017	0.055		CL_PALM_PKWY	
	5464+70.90	to	5464+70.90	RT	100	30								477717			3	0.322	1.073		CL_PALM_PKWY	
	5464+70.90	to	5464+70.90	RT	100	30								477741			3	0.186	0.621		CL_PALM_PKWY	
	5465+09.63	to	5465+09.63	RT	100	30								479924			3	0.035	0.115		CL_PALM_PKWY	
	5465+28.55	to	5465+28.55	LT/RT	100	30								478342			3	0.020	0.066		CL_PALM_PKWY	
	5465+36.66	to	5465+36.66	LT/RT	100	30								478332			3	0.018	0.059		CL_PALM_PKWY	
	5465+76.88	to	5465+76.88	RT	100	30								478347			3	0.026	0.087		CL_PALM_PKWY	
										SUB-TOTAL:							SUB-TOTAL:	12.62			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-19

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL 0107 1							MOWING 0107 2							DESIGN NOTES	CONSTRUCTION REMARKS
					AREA ID	L	W	CYCLES	AREA AC/CYCLE	AREA TOTAL (AC) P	AREA TOTAL (AC) F	AREA ID	L	W	CYCLES	AREA AC/CYCLE	AREA TOTAL (AC) P	AREA TOTAL (AC) F		
	5466+09.95 to 5466+09.95	RT	100	30								479917			3	0.035	0.115		CL_PALM_PKWY	
	5466+28.40 to 5466+28.40	RT	100	30								478353			3	0.005	0.017		CL_PALM_PKWY	
	5466+85.53 to 5466+85.53	RT	100	30								478358			3	0.021	0.069		CL_PALM_PKWY	
	5467+10.28 to 5467+10.28	RT	100	30								479909			3	0.035	0.115		CL_PALM_PKWY	
	5468+00.04 to 5468+00.04	RT	100	30								478367			3	0.006	0.019		CL_PALM_PKWY	
	5468+10.61 to 5468+10.61	RT	100	30								479892			3	0.177	0.589		CL_PALM_PKWY	
	5468+20.97 to 5468+20.97	RT	100	30								478363			3	0.010	0.033		CL_PALM_PKWY	
	5469+26.26 to 5469+26.26	RT	100	30								478377			3	0.175	0.582		CL_PALM_PKWY	
	5470+00.90 to 5470+00.90	RT	100	30								477771			3	0.000	0.001		CL_PALM_PKWY	
	5470+01.89 to 5470+01.89	RT	100	30								478386			3	0.080	0.266		CL_PALM_PKWY	
	5470+23.49 to 5470+23.49	RT	100	30								478399			3	0.019	0.063		CL_PALM_PKWY	
	5471+17.66 to 5471+17.66	RT	100	30								478405			3	0.006	0.021		CL_PALM_PKWY	
	5471+24.70 to 5471+24.70	RT	100	30								478410			3	0.002	0.006		CL_PALM_PKWY	
	5472+17.91 to 5472+17.91	RT	100	30								478414			3	0.012	0.039		CL_PALM_PKWY	
	5472+58.96 to 5472+58.96	RT	100	30								478421			3	0.002	0.008		CL_PALM_PKWY	
	5473+17.06 to 5473+17.06	RT	100	30								479884			3	0.036	0.121		CL_PALM_PKWY	
	5473+17.53 to 5473+17.53	RT	100	30								478425			3	0.015	0.050		CL_PALM_PKWY	
	5473+24.52 to 5473+24.52	RT	100	30								478430			3	0.016	0.052		CL_PALM_PKWY	
	5474+12.87 to 5474+12.87	RT	100	30								479875			3	0.036	0.121		CL_PALM_PKWY	
	5474+16.91 to 5474+16.91	RT	100	30								478437			3	0.004	0.013		CL_PALM_PKWY	
	5474+60.92 to 5474+60.92	RT	100	30								477780			3	0.432	1.440		CL_PALM_PKWY	
	5474+60.92 to 5474+60.92	RT	100	30								477815			3	0.245	0.818		CL_PALM_PKWY	
	5475+16.79 to 5475+16.79	RT	100	30								479867			3	0.036	0.121		CL_PALM_PKWY	
	5475+17.13 to 5475+17.13	RT	100	30								478449			3	0.003	0.009		CL_PALM_PKWY	
	5475+24.59 to 5475+24.59	RT	100	30								478443			3	0.013	0.044		CL_PALM_PKWY	
	5475+24.59 to 5475+24.59	RT	100	30								478455			3	0.001	0.003		CL_PALM_PKWY	
	5476+16.74 to 5476+16.74	RT	100	30								479859			3	0.036	0.121		CL_PALM_PKWY	
	5476+17.94 to 5476+17.94	RT	100	30								478459			3	0.018	0.059		CL_PALM_PKWY	
	5477+04.20 to 5477+04.20	RT	100	30								478465			3	0.000	0.001		CL_PALM_PKWY	
	5477+11.31 to 5477+11.31	RT	100	30								479851			3	0.036	0.120		CL_PALM_PKWY	
	5477+24.02 to 5477+24.02	RT	100	30								478469			3	0.020	0.068		CL_PALM_PKWY	
	5478+12.63 to 5478+12.63	RT	100	30								479843			3	0.036	0.119		CL_PALM_PKWY	
	5478+23.95 to 5478+23.95	RT	100	30								478475			3	0.009	0.031		CL_PALM_PKWY	
	5478+23.95 to 5478+23.95	RT	100	30								478486			3	0.008	0.026		CL_PALM_PKWY	
	5478+24.02 to 5478+24.02	RT	100	30								478481			3	0.007	0.024		CL_PALM_PKWY	
	5479+23.94 to 5479+23.94	RT	100	30								478497			3	0.116	0.387		CL_PALM_PKWY	
	5479+24.00 to 5479+24.00	RT	100	30								478492			3	0.026	0.088		CL_PALM_PKWY	
	5479+24.03 to 5479+24.03	RT	100	30								479835			3	0.035	0.118		CL_PALM_PKWY	
	5480+11.20 to 5480+11.20	RT	100	30								479827			3	0.035	0.117		CL_PALM_PKWY	
	5480+94.15 to 5480+94.15	RT	100	30								478507			3	0.086	0.285		CL_PALM_PKWY	
	5481+11.17 to 5481+11.17	RT	100	30								479819			3	0.035	0.116		CL_PALM_PKWY	
	5481+23.95 to 5481+23.95	RT	100	30								478517			3	0.014	0.047		CL_PALM_PKWY	
	5482+23.95 to 5482+23.95	RT	100	30								478527			3	0.019	0.062		CL_PALM_PKWY	
	5482+24.03 to 5482+24.03	RT	100	30								478522			3	0.003	0.009		CL_PALM_PKWY	
	5482+24.03 to 5482+24.03	RT	100	30								479811			3	0.035	0.115		CL_PALM_PKWY	
	5482+61.52 to 5482+61.52	RT	100	30								473935			3	0.209	0.697		CL_PALM_PKWY	
	5482+61.52 to 5482+61.52	RT	100	30								477848			3	0.126	0.420		CL_PALM_PKWY	
	5483+24.03 to 5483+24.03	RT	100	30								478534			3	0.003	0.009		CL_PALM_PKWY	
								SUB-TOTAL:	0.00	0.00					SUB-TOTAL:	7.77	0.00			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-20

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION STA. TO STA.	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL 0107 1 AREA ID	L	W	CYCLES	AREA AC / CYCLE	AREA TOTAL (AC) P	AREA TOTAL (AC) F	MOWING 0107 2 AREA ID	L	W	CYCLES	AREA AC / CYCLE	AREA TOTAL (AC) P	AREA TOTAL (AC) F	DESIGN NOTES	CONSTRUCTION REMARKS
	5483+24.03 to 5483+24.03	RT	100	30								479803			3	0.035	0.117		CL_PALM_PKWY	
	5484+13.10 to 5484+13.10	RT	100	30								478540			3	0.010	0.033		CL_PALM_PKWY	
	5484+24.02 to 5484+24.02	RT	100	30								478546			3	0.004	0.012		CL_PALM_PKWY	
	5484+24.03 to 5484+24.03	RT	100	30								479795			3	0.036	0.121		CL_PALM_PKWY	
	5485+12.42 to 5485+12.42	RT	100	30								479787			3	0.038	0.125		CL_PALM_PKWY	
	5485+23.98 to 5485+23.98	RT	100	30								478564			3	0.042	0.141		CL_PALM_PKWY	
	5485+24.01 to 5485+24.01	RT	100	30								478552			3	0.121	0.404		CL_PALM_PKWY	
	5486+18.12 to 5486+18.12	RT	100	30								478571			3	0.010	0.034		CL_PALM_PKWY	
	5486+23.95 to 5487+23.94	RT	100	30								478578			3	0.008	0.025		CL_PALM_PKWY	
	5486+24.03 to 5487+24.03	RT	100	30								478583			3	0.009	0.029		CL_PALM_PKWY	
	5486+24.03 to 5487+12.43	RT	100	30								479779			3	0.038	0.128		CL_PALM_PKWY	
	5487+10.89 to 5488+11.93	RT	100	30								479771			3	0.040	0.132		CL_PALM_PKWY	
	5487+23.94 to 5488+23.61	RT	100	30								478589			3	0.015	0.051		CL_PALM_PKWY	
	5487+24.02 to 5488+23.92	RT	100	30								478596			3	0.018	0.059		CL_PALM_PKWY	
	5488+10.37 to 5489+06.19	RT	100	30								479763			3	0.041	0.137		CL_PALM_PKWY	
	5488+23.56 to 5489+21.86	RT	100	30								478602			3	0.014	0.047		CL_PALM_PKWY	
	5488+23.88 to 5489+22.08	RT	100	30								478608			3	0.028	0.092		CL_PALM_PKWY	
	5489+04.37 to 5489+99.53	RT	100	30								479756			3	0.042	0.139		CL_PALM_PKWY	
	5489+10.84 to 5489+10.84	RT	100	30								474029			3	0.348	1.161		CL_PALM_PKWY	
	5489+16.28 to 5489+16.28	RT	100	30								477871			3	0.201	0.669		CL_PALM_PKWY	
	5489+21.85 to 5490+20.16	RT	100	30								478614			3	0.011	0.036		CL_PALM_PKWY	
	5489+22.04 to 5490+20.23	RT	100	30								478620			3	0.032	0.105		CL_PALM_PKWY	
	5489+97.45 to 5490+92.76	RT	100	30								479747			3	0.043	0.142		CL_PALM_PKWY	
	5490+20.14 to 5491+18.43	RT	100	30								478627			3	0.030	0.099		CL_PALM_PKWY	
	5490+20.23 to 5491+18.39	RT	100	30								478632			3	0.008	0.025		CL_PALM_PKWY	
	5490+90.46 to 5491+85.86	RT	100	30								479740			3	0.042	0.139		CL_PALM_PKWY	
	5491+18.39 to 5492+16.56	RT	100	30								478637			3	0.012	0.040		CL_PALM_PKWY	
	5491+18.43 to 5491+74.33	RT	100	30								478642			3	0.005	0.017		CL_PALM_PKWY	
	5491+83.46 to 5492+78.86	RT	100	30								479731			3	0.040	0.132		CL_PALM_PKWY	
	5492+16.54 to 5493+15.01	RT	100	30								478647			3	0.094	0.313		CL_PALM_PKWY	
	5492+76.38 to 5493+70.83	RT	100	30								479722			3	0.037	0.123		CL_PALM_PKWY	
	5493+14.68 to 5493+70.80	RT	100	30								478654			3	0.126	0.419		CL_PALM_PKWY	
	115+51.87 to 115+60.63	LT	100	30								476329			3	0.000	0.001		CLDCP	
	118+72.90 to 118+72.90	LT	100	30								550920			3	0.167	0.557		CLDCP	
	704+08.26 to 704+08.26	RT	100	30								546176			3	0.206	0.687		D_DCP	
	706+27.91 to 706+27.91	RT	100	30								547436			3	0.396	1.321		D_DCP	
	306+00.00 to 307+00.00	LT	100	30								479714			3	0.009	0.031		IA_CFP	
	307+00.00 to 308+00.00	LT	100	30								479707			3	0.011	0.037		IA_CFP	
	308+00.00 to 309+00.00	LT	100	30								479698			3	0.017	0.056		IA_CFP	
	309+00.00 to 319+29.68	LT/RT	100	30								515098			3	0.230	0.765		IA_CFP	
	507+13.58 to 507+13.58	LT	100	30								521996			3	1.409	4.698		IB_DCP	
	525+06.60 to 525+06.60	LT	100	30								526046			3	1.219	4.064		IB_DCP	
	525+36.97 to 525+36.97	LT	100	30								527312			3	1.448	4.828		IB_DCP	
	406+92.70 to 406+92.70	RT	100	30								542824			3	1.643	5.477		IC_CFP	
	7077+61.02 to 7077+61.02	RT	100	30								545887			3	1.258	4.192		IWBCD2	
	1004+67.48 to 1004+67.48	RT	100	30								509783			3	0.131	0.435		POND142	
	1011+21.82 to 1011+21.82	RT	100	30								473958			3	0.714	2.381		POND142	
	1011+21.84 to 1011+21.84	RT	100	30								509294			3	0.274	0.914		POND142	
								SUB-TOTAL:		0.00	0.00				SUB-TOTAL:		35.69	0.00		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-21

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION STA. TO STA.	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL 0107 1 AREA ID	L	W	CYCLES	AREA AC / CYCLE	AREA TOTAL (AC) P	AREA TOTAL (AC) F	MOWING 0107 2 AREA ID	L	W	CYCLES	AREA AC / CYCLE	AREA TOTAL (AC) P	AREA TOTAL (AC) F	DESIGN NOTES	CONSTRUCTION REMARKS
	1011+82.03 to 1011+82.03	RT	100	30								509250			3	0.790	2.634		POND 142	
0107 LITTER REMOVAL	563+99.96 R 4 to 584+00.00 R 4	LT	100	30	496908			3	0.470	0.470									SR 400 (I-4)	
	563+99.99 R 4 to 584+00.00 R 4	LT/RT	100	30	497522			3	0.701	0.701									SR 400 (I-4)	
	564+00.00 R 4 to 584+00.00 R 4	RT	100	30	497529			3	0.527	0.527									SR 400 (I-4)	
	566+00.00 R 4 to 568+26.14 R 4	RT	100	30	559841			3	0.324	1.608									SR 400 (I-4)	
	575+90.51 R 4 to 575+90.51 R 4	RT	100	30	501622			3	1.608	0.056									SR 400 (I-4)	
	619+59.74 R 4 to 620+00.00 R 4	RT	100	30	501595			3	0.056	0.123									SR 400 (EB I-4)	
	620+00.00 R 4 to 621+00.00 R 4	RT	100	30	501610			3	0.123	0.114									SR 400 (EB I-4)	
	621+00.00 R 4 to 622+00.00 R 4	RT	100	30	501688			3	0.114	0.105									SR 400 (EB I-4)	
	622+00.00 R 4 to 623+00.00 R 4	RT	100	30	501695			3	0.105	0.143									SR 400 (EB I-4)	
	623+00.00 R 4 to 624+00.00 R 4	RT	100	30	501703			3	0.143	0.173									SR 400 (EB I-4)	
	624+00.00 R 4 to 625+00.00 R 4	RT	100	30	501712			3	0.173	0.167									SR 400 (EB I-4)	
	625+00.00 R 4 to 625+98.80 R 4	RT	100	30	501719			3	0.167	0.093									SR 400 (EB I-4)	
	625+93.52 R 4 to 626+52.24 R 4	RT	100	30	501726			3	0.093	0.166									SR 400 (EB I-4)	
	626+46.96 R 4 to 627+52.02 R 4	RT	100	30	501733			3	0.166	0.150									SR 400 (EB I-4)	
	627+47.20 R 4 to 628+51.77 R 4	RT	100	30	501742			3	0.150	0.152									SR 400 (EB I-4)	
	628+47.45 R 4 to 629+51.45 R 4	RT	100	30	501749			3	0.134	0.128									SR 400 (EB I-4)	
	629+77.02 R 4 to 634+79.49 R 4	LT/RT	100	30	497745			3	0.152	0.150									SR 400 (EB I-4)	
	629+77.02 R 4 to 634+79.49 R 4	LT/RT	100	30	497873			3	0.128	0.003									SR 400 (EB I-4)	
	629+77.02 R 4 to 634+79.49 R 4	RT	100	30	497879			3	0.150	0.411									SR 400 (EB I-4)	
	633+81.12 R 4 to 634+44.74 R 4	LT	100	30	499110			3	0.003	0.117									SR 400 (I-4)	
	633+81.13 R 4 to 638+41.67 R 4	LT	100	30	499024			3	0.411	0.128									SR 400 (I-4)	
	633+81.29 R 4 to 638+41.99 R 4	LT	100	30	499029			3	0.117	0.128									SR 400 (I-4)	
	634+44.74 R 4 to 638+41.27 R 4	LT	100	30	499075			3	0.128	0.130									SR 400 (I-4)	
	634+59.46 R 4 to 635+61.24 R 4	LT	100	30	501372			3	0.128	0.148									SR 400 (I-4)	
	635+61.24 R 4 to 636+62.80 R 4	LT	100	30	501377			3	0.130	0.219									SR 400 (I-4)	
	636+62.80 R 4 to 637+61.54 R 4	LT	100	30	501383			3	0.148	0.170									SR 400 (I-4)	
	637+61.45 R 4 to 638+60.05 R 4	LT	100	30	501388			3	0.219	0.038									SR 400 (I-4)	
	638+60.05 R 4 to 639+57.78 R 4	LT	100	30	501403			3	0.170	0.028									SR 400 (I-4)	
	638+60.05 R 4 to 639+57.78 R 4	LT	100	30	501411			3	0.038	0.174									SR 400 (I-4)	
	639+57.78 R 4 to 640+54.99 R 4	LT	100	30	501417			3	0.028	0.028									SR 400 (I-4)	
	639+57.78 R 4 to 640+54.99 R 4	LT	100	30	501423			3	0.174	0.171									SR 400 (I-4)	
	640+54.99 R 4 to 641+52.54 R 4	LT	100	30	501428			3	0.028	0.826									SR 400 (I-4)	
	640+54.99 R 4 to 641+52.54 R 4	LT	100	30	501433			3	0.171	0.432									SR 400 (I-4)	
	641+23.73 R 4 to 641+23.73 R 4	LT	100	30	496613			3	0.826	0.029									SR 400 (I-4) (POND 140B1)	
	641+35.78 R 4 to 641+35.78 R 4	LT	100	30	496594			3	0.432	0.181									SR 400 (I-4) (POND 140B1)	
	641+52.54 R 4 to 642+52.87 R 4	LT	100	30	501439			3	0.029	0.029									SR 400 (I-4)	
	641+52.54 R 4 to 642+52.87 R 4	LT	100	30	501444			3	0.181	0.195									SR 400 (I-4)	
	642+52.87 R 4 to 643+53.21 R 4	LT	100	30	501450			3	0.029	0.038									SR 400 (I-4)	
	642+52.87 R 4 to 643+53.21 R 4	LT	100	30	501455			3	0.195	0.177									SR 400 (I-4)	
	643+53.21 R 4 to 644+11.66 R 4	LT	100	30	501462			3	0.038	0.002									SR 400 (I-4)	
	643+53.21 R 4 to 644+11.73 R 4	LT	100	30	501470			3	0.177	0.182									SR 400 (I-4)	
	663+75.16 R 4 to 664+73.84 R 4	RT	100	30	501945			3	0.002	0.002									RAMP IC_DCP	
	663+75.23 R 4 to 664+79.02 R 4	RT	100	30	499461			3	0.182	0.189									SR 400 (I-4)	
	664+73.78 R 4 to 665+72.62 R 4	RT	100	30	501955			3	0.002	0.199									SR 400 (I-4)	
	664+73.84 R 4 to 665+77.02 R 4	RT	100	30	499481			3	0.189	0.002									SR 400 (I-4)	
	665+72.62 R 4 to 666+75.08 R 4	RT	100	30	499494			3	0.199	0.002									SR 400 (I-4)	
	666+22.05 R 4 to 666+22.05 R 4	RT	100	30	501960			3	0.002	0.208									SR 400 (I-4)	
									SUB-TOTAL:	9.61	0.00					SUB-TOTAL:	2.63	0.00		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-22

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION STA. TO STA.	SIDE	LITTER REMOVAL 0107 1 DURATION (DAYS)	LITTER REMOVAL 0107 1 FREQUENCY (DAYS)	LITTER REMOVAL 0107 1 AREA ID	L	W	CYCLES	AREA AC/CYCLE	AREA TOTAL (AC) P	AREA TOTAL (AC) F	MOWING 0107 2 AREA ID	L	W	CYCLES	AREA AC/CYCLE	AREA TOTAL (AC) P	AREA TOTAL (AC) F	DESIGN NOTES	CONSTRUCTION REMARKS
	666+71.49 R 4 to 667+70.54 R 4	RT	100	30	501969			3	0.001	0.002									SR 400 (I-4)	
	666+71.53 R 4 to 667+73.11 R 4	RT	100	30	499507			3	0.062	0.208									SR 400 (I-4)	
	667+70.51 R 4 to 668+69.61 R 4	RT	100	30	501978			3	0.001	0.002									SR 400 (I-4)	
	667+70.54 R 4 to 668+71.11 R 4	RT	100	30	499523			3	0.064	0.214									SR 400 (I-4)	
	668+69.60 R 4 to 669+68.73 R 4	RT	100	30	501984			3	0.001	0.002									SR 400 (I-4)	
	668+69.61 R 4 to 669+69.09 R 4	RT	100	30	499535			3	0.065	0.218									SR 400 (I-4)	
	669+68.73 R 4 to 671+68.21 R 4	RT	100	30	499593			3	0.018	0.061									SR 400 (I-4)	
	669+68.76 R 4 to 670+68.23 R 4	RT	100	30	503741			3	0.059	0.196									SR 400 (I-4)	
	670+68.23 R 4 to 671+68.23 R 4	RT	100	30	499556			3	0.053	0.176									SR 400 (I-4)	
	670+68.23 R 4 to 671+68.21 R 4	RT	100	30	499575			3	0.003	0.011									SR 400 (I-4)	
	670+68.23 R 4 to 672+68.23 R 4	RT	100	30	499631			3	0.013	0.044									SR 400 (I-4)	
	671+68.21 R 4 to 672+68.23 R 4	RT	100	30	499670			3	0.053	0.176									SR 400 (I-4)	
	671+68.23 R 4 to 672+68.32 R 4	RT	100	30	499678			3	0.003	0.011									SR 400 (I-4)	
	671+81.76 R 4 to 672+68.23 R 4	RT	100	30	501996			3	0.001	0.004									SR 400 (I-4)	
	672+68.23 R 4 to 673+68.23 R 4	RT	100	30	499679			3	0.014	0.045									SR 400 (I-4)	
	672+68.23 R 4 to 673+68.23 R 4	RT	100	30	499697			3	0.003	0.011									SR 400 (I-4)	
	672+68.23 R 4 to 673+68.23 R 4	RT	100	30	499714			3	0.052	0.174									SR 400 (I-4)	
	672+68.23 R 4 to 673+68.23 R 4	RT	100	30	502017			3	0.002	0.005									SR 400 (I-4)	
	673+68.23 R 4 to 674+68.24 R 4	RT	100	30	499730			3	0.008	0.027									SR 400 (I-4)	
	673+68.23 R 4 to 674+68.24 R 4	RT	100	30	499748			3	0.015	0.050									SR 400 (I-4)	
	673+68.23 R 4 to 674+68.24 R 4	RT	100	30	499837			3	0.046	0.153									SR 400 (I-4)	
	673+68.23 R 4 to 674+68.24 R 4	RT	100	30	502039			3	0.002	0.005									SR 400 (I-4)	
	674+68.24 R 4 to 675+68.24 R 4	RT	100	30	502056			3	0.002	0.005									SR 400 (I-4)	
	674+68.24 R 4 to 675+68.24 R 4	RT	100	30	499811			3	0.023	0.075									SR 400 (I-4)	
	674+68.24 R 4 to 675+68.24 R 4	RT	100	30	499816			3	0.031	0.102									SR 400 (I-4)	
	675+18.54 R 4 to 675+18.54 R 4	RT	100	30	499768			3	0.016	0.053									SR 400 (I-4)	
	675+68.24 R 4 to 676+68.24 R 4	RT	100	30	502072			3	0.002	0.005									SR 400 (I-4)	
	675+68.24 R 4 to 676+68.24 R 4	RT	100	30	499855			3	0.029	0.096									SR 400 (I-4)	
	675+68.24 R 4 to 676+68.24 R 4	RT	100	30	499874			3	0.029	0.097									SR 400 (I-4)	
	675+68.24 R 4 to 676+68.24 R 4	RT	100	30	499899			3	0.011	0.038									SR 400 (I-4)	
	676+68.24 R 4 to 677+68.24 R 4	RT	100	30	502078			3	0.002	0.005									SR 400 (I-4)	
	676+68.24 R 4 to 677+68.24 R 4	RT	100	30	499910			3	0.017	0.055									SR 400 (I-4)	
	676+68.24 R 4 to 677+68.25 R 4	RT	100	30	499916			3	0.053	0.176									SR 400 (I-4)	
	677+68.24 R 4 to 678+68.24 R 4	RT	100	30	502083			3	0.002	0.005									SR 400 (I-4)	
	677+68.24 R 4 to 678+68.24 R 4	RT	100	30	499926			3	0.018	0.061									SR 400 (I-4)	
	677+68.24 R 4 to 678+68.24 R 4	RT	100	30	499935			3	0.035	0.117									SR 400 (I-4)	
	677+68.24 R 4 to 678+68.24 R 4	RT	100	30	499951			3	0.016	0.053									SR 400 (I-4)	
	678+68.24 R 4 to 679+68.24 R 4	RT	100	30	502088			3	0.002	0.005									SR 400 (I-4)	
	678+68.24 R 4 to 679+68.24 R 4	RT	100	30	499956			3	0.049	0.162									SR 400 (I-4)	
	678+68.24 R 4 to 679+68.24 R 4	RT	100	30	499973			3	0.005	0.015									SR 400 (I-4)	
	678+68.24 R 4 to 679+68.24 R 4	RT	100	30	499978			3	0.017	0.055									SR 400 (I-4)	
	679+68.24 R 4 to 680+68.24 R 4	RT	100	30	502094			3	0.002	0.005									SR 400 (I-4)	
	679+68.24 R 4 to 680+68.24 R 4	RT	100	30	500004			3	0.052	0.174									SR 400 (I-4)	
	679+68.24 R 4 to 680+68.24 R 4	RT	100	30	500021			3	0.003	0.011									SR 400 (I-4)	
	679+68.24 R 4 to 680+68.24 R 4	RT	100	30	500041			3	0.014	0.046									SR 400 (I-4)	
	680+68.24 R 4 to 681+68.24 R 4	RT	100	30	500054			3	0.056	0.186									SR 400 (I-4)	
	680+68.24 R 4 to 681+68.24 R 4	RT	100	30	500067			3	0.011	0.035									SR 400 (I-4)	
	680+68.24 R 4 to 681+68.24 R 4	RT	100	30	502101			3	0.002	0.005									SR 400 (I-4)	
								SUB-TOTAL:	3.44	0.00					SUB-TOTAL:	0.00	0.00			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-23

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL 0107 1							MOWING 0107 2							DESIGN NOTES	CONSTRUCTION REMARKS
	STA. TO STA.				AREA ID	L	W	CYCLES	AREA AC/CYCLE	AREA TOTAL (AC) P	AREA TOTAL (AC) F	AREA ID	L	W	CYCLES	AREA AC/CYCLE	AREA TOTAL (AC) P	AREA TOTAL (AC) F		
	680+68.24 R 4 to 681+68.24 R 4	RT	100	30	503716			3	0.003	0.011									SR 400 (I-4)	
	681+68.24 R 4 to 682+68.24 R 4	RT	100	30	500078			3	0.058	0.194									SR 400 (I-4)	
	681+68.24 R 4 to 682+68.24 R 4	RT	100	30	500093			3	0.003	0.011									SR 400 (I-4)	
	681+68.24 R 4 to 682+68.24 R 4	RT	100	30	500110			3	0.008	0.027									SR 400 (I-4)	
	681+68.24 R 4 to 682+68.24 R 4	RT	100	30	502107			3	0.002	0.005									SR 400 (I-4)	
	682+68.24 R 4 to 683+68.24 R 4	RT	100	30	500115			3	0.007	0.023									SR 400 (I-4)	
	682+68.24 R 4 to 683+68.24 R 4	RT	100	30	500129			3	0.003	0.011									SR 400 (I-4)	
	682+68.24 R 4 to 683+68.24 R 4	RT	100	30	500142			3	0.060	0.199									SR 400 (I-4)	
	682+68.24 R 4 to 683+68.24 R 4	RT	100	30	502113			3	0.002	0.005									SR 400 (I-4)	
	683+68.24 R 4 to 684+68.24 R 4	RT	100	30	500149			3	0.060	0.200									SR 400 (I-4)	
	683+68.24 R 4 to 684+68.24 R 4	RT	100	30	500156			3	0.003	0.011									SR 400 (I-4)	
	683+68.24 R 4 to 684+68.24 R 4	RT	100	30	500173			3	0.006	0.021									SR 400 (I-4)	
	683+68.24 R 4 to 684+68.24 R 4	RT	100	30	502119			3	0.002	0.005									SR 400 (I-4)	
	684+68.24 R 4 to 685+68.24 R 4	RT	100	30	500220			3	0.006	0.019									SR 400 (I-4)	
	684+68.24 R 4 to 685+68.24 R 4	RT	100	30	500237			3	0.003	0.011									SR 400 (I-4)	
	684+68.24 R 4 to 685+68.24 R 4	RT	100	30	500271			3	0.039	0.129									SR 400 (I-4)	
	684+68.24 R 4 to 685+68.24 R 4	RT	100	30	500198			3	0.022	0.074									SR 400 (I-4)	
	684+68.24 R 4 to 685+68.24 R 4	RT	100	30	502133			3	0.002	0.005									SR 400 (I-4)	
	685+68.24 R 4 to 686+10.95 R 4	RT	100	30	500276			3	0.027	0.089									SR 400 (I-4)	
	685+68.24 R 4 to 686+10.95 R 4	RT	100	30	500284			3	0.002	0.005									SR 400 (I-4)	
	685+68.24 R 4 to 686+10.95 R 4	RT	100	30	500291			3	0.002	0.006									SR 400 (I-4)	
	685+68.24 R 4 to 686+10.95 R 4	RT	100	30	502139			3	0.001	0.002									SR 400 (I-4)	
	5448+01.01 to 5448+01.01	RT	100	30	502717			3	0.059	0.197									RAMP D_DCP POND 140 B3	
	5448+82.88 to 5448+82.88	RT	100	30	500737			3	0.017	0.056									RAMP D_DCP POND 140 B3	
	5449+39.91 to 5449+39.91	RT	100	30	500744			3	0.005	0.015									RAMP D_DCP POND 140 B3	
	5449+45.88 to 5449+45.88	RT	100	30	500751			3	0.004	0.013									RAMP D_DCP POND 140 B3	
	5450+45.21 to 5450+45.21	RT	100	30	500756			3	0.003	0.011									RAMP D_DCP POND 140 B3	
	5450+71.03 to 5450+71.03	RT	100	30	500732			3	0.015	0.049									RAMP D_DCP POND 140 B3	
	5451+44.39 to 5451+44.39	RT	100	30	500768			3	0.009	0.031									RAMP D_DCP POND 140 B3	
	5451+69.81 to 5451+69.81	RT	100	30	500727			3	0.026	0.088									RAMP D_DCP POND 140 B3	
	5452+41.45 to 5452+41.45	RT	100	30	500761			3	0.013	0.043									RAMP D_DCP POND 140 B3	
	5452+62.90 to 5452+62.90	RT	100	30	496714			3	0.405	1.351									RAMP D_DCP (POND 140B3)	
	5452+62.97 to 5452+62.97	RT	100	30	500685			3	0.235	0.782									RAMP D_DCP (POND 140B3)	
	5452+64.84 to 5452+64.84	RT	100	30	500721			3	0.039	0.130									RAMP D_DCP POND 140 B3	
	5452+64.84 to 5452+64.84	RT	100	30	500776			3	0.036	0.121									RAMP D_DCP POND 140 B3	
	5453+57.97 to 5453+57.97	LT/RT	100	30	500786			3	0.081	0.269									RAMP D_DCP POND 140 B3	
	5454+19.01 to 5454+19.01	RT	100	30	502704			3	0.016	0.052									RAMP D_DCP POND 140 B3	
	5454+75.22 to 5454+75.22	LT/RT	100	30	500798			3	0.057	0.191									RAMP D_DCP POND 140 B3	
	5454+89.30 to 5454+89.30	RT	100	30	502687			3	0.127	0.424									RAMP D_DCP POND 140B3	
	5455+26.52 to 5455+26.52	LT	100	30	500922			3	0.009	0.029									RAMP IWBDC2 (POND 141B2)	
	5455+55.49 to 5455+55.49	LT/RT	100	30	500927			3	0.059	0.198									RAMP IWBDC2 (POND 141B2)	
	5455+81.32 to 5455+81.32	RT	100	30	496697			3	0.099	0.330									RAMP D_DCP (POND 140B3)	
	5455+88.19 to 5455+88.19	LT/RT	100	30	500715			3	0.047	0.156									RAMP D_DCP POND 140 B3	
	5456+46.41 to 5456+46.41	LT/RT	100	30	500934			3	0.105	0.349									RAMP IWBDC2 (POND 141B2)	
	5456+78.40 to 5456+78.40	RT	100	30	500950			3	0.070	0.232									RAMP IWBDC2 POND 104 B3	
	5457+33.06 to 5457+33.06	RT	100	30	502679			3	0.037	0.122									RAMP IWBCD2	
	5457+76.69 to 5457+76.69	LT	100	30	500943			3	0.026	0.085									RAMP IWBDC2 (POND 141B1)	
	5457+94.75 to 5493+70.48	LT/RT	100	30	500809			3	0.125	0.416									PONDS IWBCD2	
								SUB-TOTAL:		6.80	0.00				SUB-TOTAL:		0.00	0.00		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL, 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-24

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION STA. TO STA.	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL 0107 1 AREA ID	L	W	CYCLES	AREA AC/CYCLE	AREA TOTAL (AC) P	AREA TOTAL (AC) F	MOWING 0107 2 AREA ID	L	W	CYCLES	AREA AC/CYCLE	AREA TOTAL (AC) P	AREA TOTAL (AC) F	DESIGN NOTES	CONSTRUCTION REMARKS
	5458+15.02 to 5458+15.02	RT	100	30	500959			3	0.061	0.203									RAMP IWBDC2 (POND 141B1)	
	5458+30.20 to 5458+30.20	RT	100	30	503623			3	0.001	0.002									RAMP D_DCP	
	5458+32.37 to 5458+32.37	RT	100	30	502670			3	0.038	0.125									RAMP IWBCD2	
	5458+60.60 to 5458+60.60	RT	100	30	500975			3	0.075	0.251									RAMP IWBDC2 (POND 141B1)	
	5458+63.01 to 5458+63.01	LT	100	30	500969			3	0.017	0.056									RAMP IWBDC2 (POND 141B1)	
	5459+31.89 to 5459+31.89	RT	100	30	502661			3	0.037	0.123									RAMP IWBCD2	
	5459+33.13 to 5459+33.13	RT	100	30	500987			3	0.012	0.041									RAMP IWBDC2 (POND 141B1)	
	5459+55.67 to 5459+55.67	LT	100	30	500884			3	0.160	0.532									RAMP IWBDC2 (POND 141B1)	
	5459+55.67 to 5459+55.67	LT	100	30	500903			3	0.272	0.906									RAMP IWBDC2 (POND 141B1)	
	5460+31.55 to 5460+31.55	RT	100	30	502652			3	0.038	0.126									RAMP IWBCD2	
	5460+61.86 to 5460+61.86	LT	100	30	500982			3	0.048	0.160									RAMP IWBDC2 (POND 141B1)	
	5460+95.16 to 5460+95.16	RT	100	30	500998			3	0.071	0.236									RAMP IWBDC2 (POND 141B1)	
	5461+25.29 to 5461+25.29	LT/RT	100	30	501004			3	0.219	0.730									RAMP IWBDC2 (POND 141B1)	
	5461+58.66 to 5461+58.66	LT	100	30	500992			3	0.026	0.087									RAMP IWBDC2 (POND 141B1)	
	5461+66.97 to 5461+66.97	LT/RT	100	30	501016			3	0.077	0.258									RAMP IWBDC2 (POND 141B2)	
	5461+98.46 to 5493+70.32	LT/RT	100	30	500846			3	0.244	0.813									PONDS IWBCD2	
	5462+11.56 to 5462+11.56	RT	100	30	501025			3	0.014	0.045									RAMP IWBDC2 (POND 141B2)	
	5462+11.56 to 5462+11.56	RT	100	30	502643			3	0.037	0.124									RAMP IWBCD2	
	5462+20.88 to 5462+20.88	RT	100	30	501039			3	0.005	0.018									RAMP IWBDC2 (POND 141B2)	
	5463+07.41 to 5463+07.41	RT	100	30	502636			3	0.029	0.095									RAMP IWBCD2	
	5463+57.70 to 5463+57.70	RT	100	30	502628			3	0.036	0.119									RAMP IWBCD2	
	5464+09.32 to 5464+09.32	RT	100	30	502620			3	0.035	0.116									RAMP IWBCD2	
	5464+41.59 to 5464+41.59	LT	100	30	501032			3	0.004	0.013									RAMP IWBDC2 (POND 141B2)	
	5464+59.44 to 5464+59.44	RT	100	30	501050			3	0.017	0.055									RAMP IWBDC2 (POND 141B2)	
	5464+70.90 to 5464+70.90	RT	100	30	500439			3	0.322	1.073									RAMP IWBDC2 (POND 141B2)	
	5464+70.90 to 5464+70.90	RT	100	30	500463			3	0.186	0.621									RAMP IWBDC2 (POND 141B2)	
	5465+09.63 to 5465+09.63	RT	100	30	502612			3	0.035	0.115									RAMP IWBCD2	
	5465+28.55 to 5465+28.55	LT/RT	100	30	501055			3	0.020	0.066									RAMP IWBDC2 (POND 141B2)	
	5465+36.66 to 5465+36.66	LT/RT	100	30	501045			3	0.018	0.059									RAMP IWBDC2 (POND 141B2)	
	5465+76.88 to 5465+76.88	RT	100	30	501060			3	0.026	0.087									RAMP IWBDC2 (POND 141B2)	
	5466+09.95 to 5466+09.95	RT	100	30	502605			3	0.035	0.115									RAMP IWBCD2	
	5466+28.40 to 5466+28.40	RT	100	30	501066			3	0.005	0.017									RAMP IWBDC2 (POND 141B2)	
	5466+85.53 to 5466+85.53	RT	100	30	501071			3	0.021	0.069									RAMP IWBDC2 (POND 141B2)	
	5467+10.28 to 5467+10.28	RT	100	30	502597			3	0.035	0.115									RAMP IWBCD2	
	5468+00.04 to 5468+00.04	RT	100	30	501080			3	0.006	0.019									RAMP IWBDC2 (POND 141B2)	
	5468+10.61 to 5468+10.61	RT	100	30	502580			3	0.177	0.589									RAMP IWBCD2	
	5468+20.97 to 5468+20.97	RT	100	30	501076			3	0.010	0.033									RAMP IWBDC2 (POND 141B2)	
	5469+26.26 to 5469+26.26	RT	100	30	501090			3	0.175	0.582									RAMP IWBDC2 (POND 141B2)	
	5470+01.89 to 5470+01.89	RT	100	30	501099			3	0.080	0.266									RAMP IWBDC2 (POND 141B3)	
	5470+23.49 to 5470+23.49	RT	100	30	501112			3	0.019	0.063									RAMP IWBDC2 (POND 141B3)	
	5471+17.66 to 5471+17.66	RT	100	30	501118			3	0.006	0.021									RAMP IWBDC2 (POND 141B3)	
	5471+24.70 to 5471+24.70	RT	100	30	501123			3	0.002	0.006									RAMP IWBDC2 (POND 141B3)	
	5472+17.91 to 5472+17.91	RT	100	30	501127			3	0.012	0.039									RAMP IWBDC2 (POND 141B3)	
	5472+58.96 to 5472+58.96	RT	100	30	501134			3	0.002	0.008									RAMP IWBDC2 (POND 141B3)	
	5473+17.06 to 5473+17.06	RT	100	30	502572			3	0.036	0.121									RAMP IWBCD2	
	5473+17.53 to 5473+17.53	RT	100	30	501138			3	0.015	0.050									RAMP IWBDC2 (POND 141B3)	
	5473+24.52 to 5473+24.52	RT	100	30	501143			3	0.016	0.052									RAMP IWBDC2 (POND 141B3)	
	5474+12.87 to 5474+12.87	RT	100	30	502563			3	0.036	0.121									RAMP IWBCD2	
								SUB-TOTAL:		9.54	0.00				SUB-TOTAL:		0.00	0.00		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-25

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION STA. TO STA.	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL 0107 1 AREA ID	L	W	CYCLES	AREA AC/CYCLE	TOTAL (AC) P	TOTAL (AC) F	MOWING 0107 2 AREA ID	L	W	CYCLES	AREA AC/CYCLE	TOTAL (AC) P	TOTAL (AC) F	DESIGN NOTES	CONSTRUCTION REMARKS
	5474+16.91 to 5474+16.91	RT	100	30	501150			3	0.004	0.013									RAMP IWBDC2 (POND 141B3)	
	5474+60.92 to 5474+60.92	RT	100	30	500493			3	0.432	1.440									RAMP IWBDC2 (POND 141B3)	
	5474+60.92 to 5474+60.92	RT	100	30	500528			3	0.245	0.818									RAMP IWBDC2 (POND 141B3)	
	5475+16.79 to 5475+16.79	RT	100	30	502555			3	0.036	0.121									RAMP IWBCD2	
	5475+17.13 to 5475+17.13	RT	100	30	501162			3	0.003	0.009									RAMP IWBDC2 (POND 141B3)	
	5475+24.59 to 5475+24.59	RT	100	30	501156			3	0.013	0.044									RAMP IWBDC2 (POND 141B3)	
	5475+24.59 to 5475+24.59	RT	100	30	501168			3	0.001	0.003									RAMP IWBDC2 (POND 141B3)	
	5476+16.74 to 5476+16.74	RT	100	30	502547			3	0.036	0.121									SR 400 (I-4)	
	5476+17.94 to 5476+17.94	RT	100	30	501172			3	0.018	0.059									RAMP IWBDC2 (POND 141B3)	
	5477+04.20 to 5477+04.20	RT	100	30	501178			3	0.000	0.001									RAMP IWBDC2 (POND 141B3)	
	5477+11.31 to 5477+11.31	RT	100	30	502539			3	0.036	0.120									SR 400 (I-4)	
	5477+24.02 to 5477+24.02	RT	100	30	501182			3	0.020	0.068									RAMP IWBDC2 (POND 141B3)	
	5478+12.63 to 5478+12.63	RT	100	30	502531			3	0.036	0.119									RAMP IWBCD2	
	5478+23.95 to 5478+23.95	RT	100	30	501188			3	0.009	0.031									RAMP IWBDC2 (POND 141B3)	
	5478+23.95 to 5478+23.95	RT	100	30	501199			3	0.008	0.026									RAMP IWBDC2 (POND 141B3)	
	5478+24.02 to 5478+24.02	RT	100	30	501194			3	0.007	0.024									RAMP IWBDC2 (POND 141B3)	
	5479+23.94 to 5479+23.94	RT	100	30	501210			3	0.116	0.387									RAMP IWBDC2 (POND 141B3)	
	5479+24.00 to 5479+24.00	RT	100	30	501205			3	0.026	0.088									RAMP IWBDC2 (POND 141B3)	
	5479+24.03 to 5479+24.03	RT	100	30	502523			3	0.035	0.118									RAMP IWBCD2	
	5480+11.20 to 5480+11.20	RT	100	30	502515			3	0.035	0.117									RAMP IWBCD2	
	5480+94.15 to 5480+94.15	RT	100	30	501220			3	0.086	0.285									RAMP IWBDC2 (PNDFPC141)	
	5481+11.17 to 5481+11.17	RT	100	30	502507			3	0.035	0.116									SR 400 (I-4)	
	5481+23.95 to 5481+23.95	RT	100	30	501230			3	0.014	0.047									RAMP IWBDC2 (PNDFPC141)	
	5482+23.95 to 5482+23.95	RT	100	30	501240			3	0.019	0.062									RAMP IWBDC2 (PNDFPC141)	
	5482+24.03 to 5482+24.03	RT	100	30	501235			3	0.003	0.009									RAMP IWBDC2 (PNDFPC141)	
	5482+24.03 to 5482+24.03	RT	100	30	502499			3	0.035	0.115									RAMP IWBCD2	
	5482+61.52 to 5482+61.52	RT	100	30	496741			3	0.209	0.697									RAMP IWBDC2 (POND FPC141)	
	5482+61.52 to 5482+61.52	RT	100	30	500561			3	0.126	0.420									RAMP IWBDC2 (POND FPC141)	
	5483+24.03 to 5483+24.03	RT	100	30	501247			3	0.003	0.009									RAMP IWBDC2 (PNDFPC141)	
	5483+24.03 to 5483+24.03	RT	100	30	502491			3	0.035	0.117									RAMP IWBCD2	
	5484+13.10 to 5484+13.10	RT	100	30	501253			3	0.010	0.033									RAMP IWBDC2 (PNDFPC141)	
	5484+24.02 to 5484+24.02	RT	100	30	501259			3	0.004	0.012									RAMP IWBDC2 (PNDFPC141)	
	5484+24.03 to 5484+24.03	RT	100	30	502483			3	0.036	0.121									RAMP IWBCD2	
	5485+12.42 to 5485+12.42	RT	100	30	502475			3	0.038	0.125									RAMP IWBCD2	
	5485+23.98 to 5485+23.98	RT	100	30	501277			3	0.042	0.141									RAMP IWBDC2 (PND141B4)	
	5485+24.01 to 5485+24.01	RT	100	30	501265			3	0.121	0.404									RAMP IWBDC2 (PNDFPC141)	
	5486+18.12 to 5486+18.12	RT	100	30	501284			3	0.010	0.034									RAMP IWBDC2 (PND141B4)	
	5486+23.95 to 5487+23.94	RT	100	30	501291			3	0.008	0.025									RAMP IWBDC2 (PND141B4)	
	5486+24.03 to 5487+24.03	RT	100	30	501296			3	0.009	0.029									RAMP IWBDC2 (PND141B4)	
	5486+24.03 to 5487+12.43	RT	100	30	502467			3	0.038	0.128									RAMP IWBCD2	
	5487+10.89 to 5488+11.93	RT	100	30	502459			3	0.040	0.132									RAMP IWBCD2	
	5487+23.94 to 5488+23.61	RT	100	30	501302			3	0.015	0.051									RAMP IWBDC2 (PND141B4)	
	5487+24.02 to 5488+23.92	RT	100	30	501309			3	0.018	0.059									RAMP IWBDC2 (PND141B4)	
	5488+10.37 to 5489+06.19	RT	100	30	502451			3	0.041	0.137									RAMP IWBCD2	
	5488+23.56 to 5489+21.86	RT	100	30	501315			3	0.014	0.047									RAMP IWBDC2 (PND141B4)	
	5488+23.88 to 5489+22.08	RT	100	30	501321			3	0.028	0.092									RAMP IWBDC2 (PND141B4)	
	5489+04.37 to 5489+99.53	RT	100	30	502444			3	0.042	0.139									RAMP IWBCD2	
	5489+10.84 to 5489+10.84	RT	100	30	496835			3	0.348	1.161									RAMP IWBDC2 (POND 141B4)	
								SUB-TOTAL:		8.47	0.00				SUB-TOTAL:		0.00	0.00		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-26

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION STA. TO STA.	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL 0107 1 AREA ID	L	W	CYCLES	AREA AC/CYCLE	AREA TOTAL (AC) P	AREA TOTAL (AC) F	MOWING 0107 2 AREA ID	L	W	CYCLES	AREA AC/CYCLE	AREA TOTAL (AC) P	AREA TOTAL (AC) F	DESIGN NOTES	CONSTRUCTION REMARKS
	5489+16.28 to 5489+16.28	RT	100	30	5005			3	0.201	0.669									RAMP IWBDC2 (POND 141B4)	
	5489+21.85 to 5490+20.16	RT	100	30	5013			3	0.011	0.036									RAMP IWBDC2 (PND141B4)	
	5489+22.04 to 5490+20.23	RT	100	30	5013			3	0.032	0.105									RAMP IWBDC2 (PND141B4)	
	5489+97.45 to 5490+92.76	RT	100	30	5024			3	0.043	0.142									RAMP IWBCD2	
	5490+20.14 to 5491+18.43	RT	100	30	5013			3	0.030	0.099									RAMP IWBDC2 (PND141B4)	
	5490+20.23 to 5491+18.39	RT	100	30	5013			3	0.008	0.025									RAMP IWBDC2 (PND141B4)	
	5490+90.46 to 5491+85.86	RT	100	30	5024			3	0.042	0.139									RAMP IWBCD2	
	5491+18.39 to 5492+16.56	RT	100	30	5013			3	0.012	0.040									RAMP IWBDC2 (PND141B4)	
	5491+18.43 to 5491+74.33	RT	100	30	5013			3	0.005	0.017									RAMP IWBDC2 (PND141B4)	
	5491+83.46 to 5492+78.86	RT	100	30	5024			3	0.040	0.132										
	5492+16.54 to 5493+15.01	RT	100	30	5013			3	0.094	0.313									RAMP IWBDC2 (PND141B4)	
	5492+76.38 to 5493+70.83	RT	100	30	5024			3	0.037	0.123									RAMP IWBCD2	
	5493+14.68 to 5493+70.80	RT	100	30	5013			3	0.126	0.419									RAMP IWBDC2 (PND141B4)	
	118+72.90 to 118+72.90	LT	100	30	5104			3	0.167	0.557									DARYL CARTER PKWY	
	700+92.71 to 702+09.01	RT	100	30	5002			3	0.051	0.170									RAMP D_DCP	
	702+00.00 to 703+00.00	RT	100	30	5003			3	0.017	0.055									RAMP D_DCP	
	702+07.72 to 703+08.87	RT	100	30	5003			3	0.009	0.031									RAMP ISLIP1	
	703+00.00 to 704+00.00	RT	100	30	5003			3	0.017	0.055									RAMP D_DCP	
	703+07.35 to 704+09.05	RT	100	30	5003			3	0.010	0.033									RAMP ISLIP1	
	704+00.00 to 705+00.00	RT	100	30	5003			3	0.017	0.055									RAMP D_DCP	
	704+07.45 to 705+08.63	RT	100	30	5003			3	0.007	0.022									RAMP ISLIP1	
	704+19.04 to 704+19.04	RT	100	30	4966			3	0.206	0.687									RAMP D_DCP (POND 140B2)	
	704+24.30 to 704+24.30	RT	100	30	4966			3	0.083	0.275									SR 400 (I-4) (POND 140B2)	
	705+00.00 to 706+00.00	RT	100	30	5003			3	0.017	0.055									RAMP D_DCP	
	705+07.99 to 706+07.92	RT	100	30	5003			3	0.003	0.011									RAMP ISLIP1	
	706+00.00 to 707+00.00	RT	100	30	5003			3	0.017	0.055									RAMP D_DCP	
	706+07.24 to 707+07.00	RT	100	30	5003			3	0.004	0.012									RAMP ISLIP1	
	707+00.00 to 707+84.07	RT	100	30	5003			3	0.010	0.033									RAMP ISLIP1	
	707+23.76 to 711+28.08	RT	100	30	5004			3	0.041	0.135									RAMP ISLIP1	
	707+54.75 to 708+05.49	RT	100	30	5003			3	0.002	0.006									RAMP ISLIP1	
	708+04.58 to 709+03.04	RT	100	30	5028			3	0.005	0.017									RAMP ISLIP1	
	709+02.55 to 710+01.50	RT	100	30	5027			3	0.002	0.008									RAMP ISLIP1	
	709+55.41 to 709+55.41	RT	100	30	5027			3	0.079	0.263									RAMP D_DCP	
	710+00.87 to 711+00.34	RT	100	30	5027			3	0.006	0.019									RAMP D_DCP	
	711+00.00 to 711+51.26	RT	100	30	5004			3	0.003	0.010									RAMP ISLIP1	
	306+00.00 to 307+00.00	LT	100	30	5024			3	0.009	0.031									RAMP IA_CFP	
	307+00.00 to 308+00.00	LT	100	30	5023			3	0.011	0.037									RAMP IA_CFP	
	308+00.00 to 309+00.00	LT	100	30	5023			3	0.017	0.056									RAMP IA_CFP	
	500+00.00 to 501+00.00	RT	100	30	5017			3	0.035	0.116									SR 400 (EB I-4)	
	501+00.00 to 502+00.00	RT	100	30	5017			3	0.028	0.093									SR 400 (EB I-4)	
	502+00.00 to 503+00.00	RT	100	30	5017			3	0.021	0.071									RAMP IB_DCP	
	502+09.79 to 502+09.79	LT	100	30	5035			3	0.030	0.101									SR 400 (EB I-4)	
	503+00.00 to 504+00.00	RT	100	30	5017			3	0.018	0.059									RAMP IB_DCP	
	503+15.28 to 514+61.41	LT	100	30	4979			3	0.127	0.424									SR 400 (EB I-4)	
	503+16.66 to 514+62.70	LT	100	30	4979			3	0.126	0.419									SR 400 (EB I-4)	
	504+00.00 to 505+00.00	RT	100	30	5017			3	0.016	0.053									RAMP IB_DCP	
	505+00.00 to 506+00.00	RT	100	30	5018			3	0.016	0.053									RAMP IB_DCP	
	506+00.00 to 507+00.00	RT	100	30	5018			3	0.013	0.042									RAMP IB_DCP	
								SUB-TOTAL:		6.38	0.00				SUB-TOTAL:		0.00	0.00		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-27

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION STA. TO STA.	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL 0107 1 AREA ID	L	W	CYCLES	AREA AC/CYCLE	TOTAL (AC) P	TOTAL (AC) F	MOWING 0107 2 AREA ID	L	W	CYCLES	AREA AC/CYCLE	TOTAL (AC) P	TOTAL (AC) F	DESIGN NOTES	CONSTRUCTION REMARKS
	507+00.00 to 508+00.00	LT	100	30	5018			3	0.012	0.039									RAMP IB_DCP	
	507+72.68 to 507+72.68	LT	100	30	5033			3	0.488	1.626									SR 400 (EB I-4)	
	508+00.00 to 509+00.00	RT	100	30	5018			3	0.011	0.035									RAMP IB_DCP	
	509+00.00 to 510+00.00	RT	100	30	5018			3	0.010	0.034									RAMP IB_DCP	
	509+31.90 to 509+31.90	LT	100	30	5032			3	0.215	0.715									RAMP IB_DCP	
	510+00.00 to 511+00.00	RT	100	30	5018			3	0.011	0.036									RAMP IB_DCP	
	510+87.06 to 510+87.06	LT	100	30	5031			3	0.068	0.228									RAMP IB_DCP	
	511+00.00 to 512+00.00	RT	100	30	5018			3	0.019	0.063									RAMP IB_DCP	
	512+00.00 to 513+00.00	RT	100	30	5018			3	0.024	0.079									RAMP IB_DCP	
	513+00.00 to 514+00.00	LT	100	30	5018			3	0.022	0.074									RAMP IB_DCP	
	514+00.00 to 514+80.91	RT	100	30	5018			3	0.014	0.048									RAMP IB_DCP	
	392+99.12 to 392+99.12	LT	100	30	5023			3	0.008	0.028									RAMP IWBCD2	
	394+99.12 to 394+99.12	RT	100	30	5023			3	0.012	0.040									RAMP IWBCD2	
	395+99.12 to 395+99.12	LT	100	30	5023			3	0.017	0.057									RAMP IWBCD2	
	396+99.12 to 396+99.12	LT	100	30	5023			3	0.023	0.075									RAMP IWBCD2	
	396+99.12 to 396+99.12	RT	100	30	5023			3	0.028	0.092									RAMP IWBCD2	
	397+99.12 to 397+99.12	LT	100	30	5022			3	0.033	0.110									RAMP IWBCD2	
	399+99.12 to 399+99.12	RT	100	30	5022			3	0.038	0.128									RAMP IWBCD2	
	400+00.00 to 401+00.99	RT	100	30	5022			3	0.043	0.144									RAMP IWBCD2	
	401+00.49 to 402+02.27	RT	100	30	5022			3	0.051	0.170									RAMP IWBCD2	
	402+00.85 to 403+03.70	LT	100	30	5022			3	0.056	0.188									RAMP IWBCD2	
	403+01.32 to 404+05.14	RT	100	30	5022			3	0.060	0.199									RAMP IWBCD2	
	404+01.91 to 405+04.93	RT	100	30	5022			3	0.059	0.196									RAMP IWBCD2	
	405+02.68 to 406+04.11	LT	100	30	5022			3	0.058	0.192									RAMP IWBCD2	
	405+05.68 to 406+01.66	LT	100	30	5036			3	0.005	0.018									RAMP IA_CFP	
	406+01.10 to 407+02.09	RT	100	30	5023			3	0.008	0.028									RAMP IA_CFP	
	406+02.86 to 407+03.91	RT	100	30	5021			3	0.058	0.193										
	407+01.48 to 408+02.45	LT	100	30	5023			3	0.011	0.038									RAMP IA_CFP	
	407+02.58 to 408+03.63	RT	100	30	5021			3	0.060	0.200									RAMP IA_CFP	
	408+01.22 to 409+03.36	RT	100	30	5021			3	0.065	0.217									RAMP IWBCD2	
	408+01.87 to 409+02.70	RT	100	30	5023			3	0.017	0.056									RAMP IA_CFP	
	408+99.97 to 409+99.85	LT	100	30	5021			3	0.069	0.230									RAMP IWBCD2	
	600+92.65 to 602+00.00	LT/RT	100	30	4992			3	0.013	0.042									SR 400 (I-4)	
	600+97.60 to 601+29.49	LT/RT	100	30	4990			3	0.003	0.009									SR 400 (I-4)	
	600+99.39 to 610+49.26	LT/RT	100	30	4992			3	0.099	0.329									SR 400 (I-4)	
	601+07.27 to 604+32.00	LT/RT	100	30	4988			3	0.064	0.212									SR 400 (I-4)	
	601+08.25 to 601+18.20	LT/RT	100	30	4991			3	0.000	0.001									RAMP IC_DCP	
	601+08.32 to 612+91.06	RT	100	30	4984			3	0.660	2.201									SR 400 (EB I-4)	
	601+08.93 to 612+91.57	RT	100	30	4985			3	0.103	0.342									SR 400 (EB I-4)	
	601+17.13 to 604+44.12	RT	100	30	4988			3	0.017	0.057									RAMP IC_DCP	
	601+26.62 to 604+32.00	RT	100	30	4989			3	0.016	0.054									SR 400 (I-4)	
	601+45.74 to 603+98.22	RT	100	30	4989			3	0.019	0.063									SR 400 (I-4)	
	602+00.00 to 603+00.00	RT	100	30	4992			3	0.007	0.022									SR 400 (I-4)	
	603+00.00 to 604+00.00	RT	100	30	4993			3	0.007	0.022									SR 400 (I-4)	
	603+02.90 to 603+02.90	RT	100	30	4991			3	0.361	1.203									RAMP IC_DCP	
	604+00.00 to 605+00.00	RT	100	30	4993			3	0.014	0.048									SR 400 (I-4)	
	605+00.00 to 606+00.00	RT	100	30	4991			3	0.017	0.056									RAMP IC_DCP	
	605+00.00 to 606+00.00	RT	100	30	4993			3	0.019	0.064									SR 400 (I-4)	
								SUB-TOTAL:	10.30	0.00					SUB-TOTAL:	0.00	0.00			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-28

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION STA. TO STA.	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL 0107 1 AREA ID	L	W	CYCLES	AREA AC/CYCLE	TOTAL (AC) P	TOTAL (AC) F	MOWING 0107 2 AREA ID	L	W	CYCLES	AREA AC/CYCLE	TOTAL (AC) P	TOTAL (AC) F	DESIGN NOTES	CONSTRUCTION REMARKS
	606+00.00 to 607+01.11	RT	100	30	499261			3	0.029	0.097									RAMP IC_DCP	
	606+00.00 to 607+01.11	LT	100	30	499324			3	0.019	0.064									SR 400 (I-4)	
	607+01.11 to 608+02.81	LT	100	30	499329			3	0.012	0.039									SR 400 (I-4)	
	607+01.11 to 608+02.81	RT	100	30	499334			3	0.043	0.142										
	608+02.81 to 609+05.21	RT	100	30	499352			3	0.057	0.190									RAMP IC_DCP	
	608+02.81 to 609+05.21	LT	100	30	499358			3	0.006	0.020									SR 400 (I-4)	
	609+05.21 to 610+07.37	RT	100	30	499339			3	0.046	0.153									RAMP IC_DCP	
	609+05.21 to 610+07.37	LT	100	30	499346			3	0.006	0.020									SR 400 (I-4)	
	609+46.78 to 617+01.40	RT	100	30	496885			3	0.131	0.437									SR 400 (I-4) (POND C)	
	610+07.37 to 611+08.34	RT	100	30	499363			3	0.052	0.172									RAMP IC_DCP	
	610+07.37 to 611+08.34	LT	100	30	499382			3	0.011	0.038									SR 400 (I-4)	
	611+08.34 to 612+05.80	RT	100	30	499369			3	0.053	0.177									RAMP IC_DCP	
	611+08.34 to 612+05.80	LT	100	30	499395			3	0.012	0.039									SR 400 (I-4)	
	612+05.80 to 613+07.47	RT	100	30	499376			3	0.057	0.189									RAMP IC_DCP	
	612+05.80 to 613+07.47	LT	100	30	499408			3	0.012	0.040									SR 400 (I-4)	
	612+84.32 to 613+11.70	LT	100	30	502997			3	0.005	0.015									SR 400 (I-4)	
	613+05.48 to 613+05.48	RT	100	30	496858			3	0.260	0.866									SR 400 (I-4) (POND C)	
	613+07.47 to 614+11.89	LT	100	30	503040			3	0.032	0.107									SR 400 (I-4)	
	613+07.47 to 614+08.68	RT	100	30	501885			3	0.057	0.191									RAMP IC_DCP	
	614+08.68 to 615+10.10	RT	100	30	501894			3	0.056	0.186									RAMP IC_DCP	
	614+08.68 to 615+10.10	RT	100	30	501902			3	0.002	0.005									RAMP IC_DCP	
	614+59.54 to 614+59.54	LT	100	30	503012			3	0.027	0.089									SR 400 (I-4)	
	615+10.10 to 616+11.83	RT	100	30	501909			3	0.002	0.005									RAMP IC_DCP	
	615+10.10 to 616+11.83	RT	100	30	501914			3	0.056	0.188									RAMP IC_DCP	
	615+10.10 to 616+13.35	LT	100	30	503065			3	0.022	0.072									SR 400 (I-4)	
	616+11.83 to 616+91.79	LT	100	30	503085			3	0.013	0.042									SR 400 (I-4)	
	616+11.83 to 616+90.80	RT	100	30	499426			3	0.043	0.143									RAMP IC_DCP	
	616+11.83 to 616+90.80	RT	100	30	501921			3	0.001	0.004									RAMP IC_DCP	
	616+90.80 to 617+90.56	LT	100	30	503100			3	0.011	0.036									SR 400 (I-4)	
	617+40.56 to 617+40.56	RT	100	30	503603			3	0.055	0.183									RAMP IC_DCP	
	617+90.29 to 618+90.82	RT	100	30	499438			3	0.054	0.179									RAMP IC_DCP	
	617+90.29 to 618+90.82	RT	100	30	501926			3	0.002	0.005									RAMP IC_DCP	
	618+61.53 to 618+61.53	LT	100	30	503116			3	0.011	0.035									SR 400 (I-4)	
	7060+28.53 to 7062+13.99	LT/RT	100	30	502817			3	0.008	0.027									SR 400 (I-4)	
	7062+13.32 to 7063+15.62	LT/RT	100	30	501483			3	0.011	0.037									SR 400 (I-4)	
	7063+14.44 to 7064+16.90	LT/RT	100	30	501488			3	0.016	0.053									SR 400 (I-4)	
	7064+15.14 to 7065+16.58	LT/RT	100	30	501493			3	0.020	0.067									SR 400 (I-4)	
	7065+12.58 to 7066+16.32	LT/RT	100	30	502823			3	0.015	0.049									SR 400 (I-4)	
	7066+14.36 to 7067+18.31	RT	100	30	502831			3	0.016	0.054									SR 400 (I-4)	
	7067+16.11 to 7068+19.92	RT	100	30	502837			3	0.022	0.073									SR 400 (I-4)	
	7068+18.19 to 7069+21.25	RT	100	30	502842			3	0.027	0.091									SR 400 (I-4)	
	7069+20.52 to 7070+00.00	RT	100	30	502847			3	0.016	0.054									SR 400 (I-4)	
	7069+27.50 to 7090+31.56	RT	100	30	502855			3	0.100	0.332									SR 400 (I-4)	
	7069+27.69 to 7090+31.61	RT	100	30	498096			3	0.164	0.546									SR 400 (I-4)	
	7069+28.02 to 7090+31.65	RT	100	30	498438			3	0.105	0.349									SR 400 (I-4)	
	7070+00.00 to 7071+00.00	RT	100	30	501500			3	0.023	0.077									SR 400 (I-4)	
	7071+00.00 to 7072+00.00	RT	100	30	501505			3	0.027	0.089									SR 400 (I-4)	
	7072+00.00 to 7073+00.00	RT	100	30	501510			3	0.030	0.100									SR 400 (I-4)	
									SUB-TOTAL:	6.17	0.00					SUB-TOTAL:	0.00	0.00		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-29

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION STA. TO STA.	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL 0107 1 AREA ID	L	W	CYCLES	AREA AC / CYCLE	AREA TOTAL (AC) P	AREA TOTAL (AC) F	MOWING 0107 2 AREA ID	L	W	CYCLES	AREA AC / CYCLE	AREA TOTAL (AC) P	AREA TOTAL (AC) F	DESIGN NOTES	CONSTRUCTION REMARKS
	7073+00.00 to 7074+00.00	RT	100	30	501516			3	0.033	0.110									SR 400 (I-4)	
	7074+00.00 to 7075+00.00	RT	100	30	501522			3	0.035	0.118									SR 400 (I-4)	
	7075+00.00 to 7080+00.00	RT	100	30	501528			3	0.198	0.661									SR 400 (I-4)	
	7080+00.00 to 7081+00.00	RT	100	30	501542			3	0.041	0.138									SR 400 (I-4)	
	7081+00.00 to 7082+00.00	RT	100	30	501547			3	0.042	0.139									SR 400 (I-4)	
	7082+00.00 to 7083+00.00	RT	100	30	501552			3	0.041	0.138									SR 400 (I-4)	
	7083+00.00 to 7084+00.00	RT	100	30	501558			3	0.040	0.132									SR 400 (I-4)	
	7084+00.00 to 7085+00.00	RT	100	30	501564			3	0.037	0.123									SR 400 (I-4)	
	7085+00.00 to 7086+00.00	RT	100	30	501569			3	0.033	0.111									SR 400 (I-4)	
	7086+00.00 to 7087+00.00	RT	100	30	501574			3	0.029	0.096									SR 400 (I-4)	
	7087+00.00 to 7088+00.00	RT	100	30	501580			3	0.024	0.080									SR 400 (I-4)	
	7088+00.00 to 7089+00.00	RT	100	30	501588			3	0.019	0.064									SR 400 (I-4)	
	7089+00.00 to 7090+00.00	RT	100	30	502353			3	0.014	0.047									SR 400 (I-4)	
	7090+00.00 to 7091+00.00	RT	100	30	502938			3	0.020	0.066									SR 400 (I-4)	
	7090+99.97 to 7092+00.00	RT	100	30	502951			3	0.019	0.063									SR 400 (I-4)	
	7091+99.97 to 7093+00.00	RT	100	30	502966			3	0.017	0.058									SR 400 (I-4)	
	7092+99.98 to 7094+00.00	RT	100	30	502978			3	0.011	0.035									SR 400 (I-4)	
	7093+99.99 to 7094+90.66	RT	100	30	502987			3	0.004	0.012									SR 400 (I-4)	
	1004+67.48 to 1004+67.48	RT	100	30	510462			3	0.131	0.435									RAMP IA_CFP (POND 142B)	
	1011+21.82 to 1011+21.82	RT	100	30	496764			3	0.714	2.381									RAMP IWBDC2 (POND 142B)	
	1011+22.93 to 1011+22.93	RT	100	30	500607			3	0.274	0.914									RAMP IWBDC2 (POND 142B)	
	1011+82.03 to 1011+82.03	RT	100	30	510418			3	0.790	2.634									RAMP IA_CFP (POND 142B)	
								SUB-TOTAL:		8.56	0.00				SUB-TOTAL:		0.00	0.00		

SUMMARY OF MONITOR EXISTING STRUCTURES

SITE NO.	LOCATION ADDRESS AND/OR STA.	STRUCTURE USAGE	INSPECTION & SETTLEMENT MONITORING 0108 1 LS P	INSPECTION & SETTLEMENT MONITORING 0108 1 LS F	VIBRATION MONITORING 0108 2 LS P	VIBRATION MONITORING 0108 2 LS F	GROUNDWATER MONITORING 0108 3 LS P	GROUNDWATER MONITORING 0108 3 LS F	DESIGN NOTES	CONSTRUCTION REMARKS
1	BL SURVEY SR 400 (I-4) STA 650+00, 200' RT VINELAND POINTE	RETAIL	X		X				PILE DRIVING	
2	BRIDGE #754115 AND ADJACENT MSE WALLS	EXISTING BRIDGE /WALLS	X		X				DRILLED SHAFT INSTALLATION	
3	PONDS	DRAINAGE					X		EXCAVATION	
		TOTAL:	1		1		1			

THIS LIST INCLUDES EXISTING STRUCTURES (AS DETERMINED BY THE DEPARTMENT) LOCATED OUTSIDE THE LIMITS SPECIFIED IN ARTICLE 108-2 OF THE FDOT SPECIFICATIONS THAT ARE REQUIRED TO BE MONITORED. THIS LIST SHOULD NOT BE CONSIDERED ALL INCLUSIVE AND DOES NOT CONTAIN EXISTING STRUCTURES TO BE MONITORED THAT ARE LOCATED WITHIN THE DISTANCES SPECIFIED IN ARTICLE 108-2.

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-30

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	UNITS	SECONDARY UNITS (IF LUMP SUM) AREA (AC)	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
0110 1 1	Clearing & Grubbing	108+00.32 to 111+20.87	LT	195824				AC			24		CLDCP	
		108+00.46 to 111+19.92	RT	195718				AC			5		CLDCP	
		112+77.31 to 114+80.21	LT	195792				AC			9		CLDCP	
		112+78.21 to 115+17.86	RT	195808				AC			2		CLDCP	
		112+78.70 to 113+49.21	RT	195645				AC			2		CLDCP	
		112+79.65 to 116+53.59	RT	195686				AC			9		CLDCP	
		112+81.69 to 116+56.33	LT	195860				AC			8		CLDCP	
											58			
0110 4 10	Removal of Existing Concrete	577+43.88 R 4 to 577+49.85 R 4	RT	244834				SY			4		Concrete Slab (BL400)	
		577+69.16 R 4 to 577+76.36 R 4	RT	245213				SY			2		Concrete Slab (BL400)	
		577+70.16 R 4 to 577+75.49 R 4	RT	244838				SY			3		Concrete Slab (BL400)	
		647+83.18 R 4 to 647+89.44 R 4	RT	244903				SY			5		Concrete Slab (BL400)	
		648+35.09 R 4 to 648+39.98 R 4	RT	244899				SY			3		Concrete Slab (BL400)	
		648+72.01 R 4 to 648+75.05 R 4	RT	244895				SY			1		Concrete Slab (BL400)	
		650+03.22 R 4 to 650+09.08 R 4	RT	244888				SY			4		Concrete Slab (BL400)	
		652+89.21 R 4 to 652+95.79 R 4	RT	244883				SY			2		Concrete Slab (BL400)	
		652+91.52 R 4 to 652+96.70 R 4	RT	244879				SY			1		Concrete Slab (BL400)	
		654+88.29 R 4 to 654+97.30 R 4	RT	245043				SY			6		Concrete Slab (BL400)	
		654+88.45 R 4 to 654+96.29 R 4	RT	245046				SY			1		Concrete Slab (BL400)	
		654+92.97 R 4 to 654+96.02 R 4	RT	245059				SY			0		Concrete Slab (BL400)	
		665+88.80 R 4 to 666+02.39 R 4	RT	244692				SY			10		Concrete Slab (BL400)	
		690+14.10 R 4 to 690+19.56 R 4	LT	244714				SY			3		Concrete Slab (BL400)	
		27+72.82 to 28+97.35	RT	328019				SY			57		Traffic Separator (CFP1)	
		5510+11.29 to 5510+83.10	RT	328028				SY			99		Traffic Separator (CL TLR)	
		104+27.60 to 108+47.82	LT/RT	242754				SY			191		Curb & Gutter (CLDCP)	
		107+78.07 to 109+70.62	LT	246157				SY			43		Curb & Gutter (CLDCP)	
		107+79.43 to 109+56.14	LT	246209				SY			122		Sidewalk (CLDCP)	
		108+08.63 to 108+27.67	RT	245551				SY			5		Sidewalk (CLDCP)	
		108+75.82 to 109+70.77	RT	245696				SY			61		Sidewalk (CLDCP)	
		109+11.56 to 109+70.91	RT	246239				SY			9		Berrier Wall (CLDCP)	
		109+21.82 to 109+70.77	LT	246932				SY			13		Berrier Wall (CLDCP)	
		109+56.14 to 109+70.77	LT	246918				SY			1		Berrier Wall (CLDCP)	
		109+56.46 to 109+70.77	LT	246927				SY			1		Berrier Wall (CLDCP)	
		109+57.58 to 109+70.77	LT	246914				SY			5		Berrier Wall (CLDCP)	
		109+60.52 to 109+70.77	RT	245722				SY			2		Sidewalk (CLDCP)	
		109+68.38 to 109+70.77	LT/RT	245757				SY			1		Traffic Seperator (CLDCP)	
		114+30.77 to 114+66.81	LT/RT	245637				SY			17		Traffic Seperator (CLDCP)	
		114+30.77 to 120+54.99	LT	245661				SY			150		Curb & Gutter (CLDCP)	
		114+30.77 to 116+66.74	RT	245642				SY			52		Curb & Gutter (CLDCP)	
		114+30.77 to 114+41.27	RT	246952				SY			3		Berrier Wall (CLDCP)	
		114+30.77 to 114+44.35	RT	246939				SY			7		Berrier Wall (CLDCP)	
		114+30.77 to 114+48.58	LT	247022				SY			1		Berrier Wall (CLDCP)	
		114+30.77 to 114+45.85	LT	247017				SY			5		Berrier Wall (CLDCP)	
		114+30.77 to 114+50.80	LT	247008				SY			11		Berrier Wall (CLDCP)	
		114+30.77 to 114+47.42	LT	247027				SY			1		Berrier Wall (CLDCP)	
		114+30.77 to 114+44.35	RT	246945				SY			1		Berrier Wall (CLDCP)	
		114+30.77 to 114+42.24	RT	246965				SY			1		Berrier Wall (CLDCP)	
		114+30.78 to 114+43.51	RT	246957				SY			1		Berrier Wall (CLDCP)	
		114+41.27 to 114+44.35	RT	246979				SY			0		Berrier Wall (CLDCP)	
		114+42.24 to 114+44.35	RT	246974				SY			0		Berrier Wall (CLDCP)	
											903			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-31

SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	LENGTH	WIDTH	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.						AREA (AC)	P	F	P	F		
		114+44.35 to 115+97.69	RT	242614				SY			110		Sidewalk (CLDCP)	
		114+44.35 to 114+45.18	RT	246202				SY			0		Curb & Gutter (CLDCP)	
		114+44.35 to 114+76.82	RT	246992				SY			2		Berrier Wall (CLDCP)	
		114+44.35 to 114+76.81	RT	246984				SY			3		Berrier Wall (CLDCP)	
		114+45.85 to 114+50.80	LT	247033				SY			0		Berrier Wall (CLDCP)	
		114+47.42 to 114+50.80	LT	247038				SY			0		Berrier Wall (CLDCP)	
		114+50.80 to 115+90.79	LT	242720				SY			91		Sidewalk (CLDCP)	
		114+50.80 to 115+03.64	LT	247053				SY			3		Berrier Wall (CLDCP)	
		114+50.80 to 115+03.18	LT	247043				SY			5		Berrier Wall (CLDCP)	
		115+02.53 to 115+05.15	LT	247058				SY			0		Berrier Wall (CLDCP)	
		115+03.18 to 115+05.60	LT	247063				SY			0		Berrier Wall (CLDCP)	
		115+04.52 to 115+05.80	LT	247068				SY			0		Berrier Wall (CLDCP)	
		115+05.18 to 115+26.69	LT	247078				SY			2		Berrier Wall (CLDCP)	
		115+05.80 to 115+25.88	LT	247084				SY			1		Berrier Wall (CLDCP)	
		115+25.88 to 115+27.34	LT	247094				SY			0		Berrier Wall (CLDCP)	
		115+26.52 to 115+29.31	LT	247104				SY			0		Berrier Wall (CLDCP)	
		115+27.88 to 115+63.63	LT	247116				SY			3		Berrier Wall (CLDCP)	
		115+28.46 to 115+63.65	LT	247109				SY			3		Berrier Wall (CLDCP)	
		115+57.19 to 121+94.81	LT/RT	245231				SY			210		Curb & Gutter (CLDCP)	
											435			
		107+79.50 109+56.00	LT					SY			236		Retaining Wall Removal HT=11' (CLDCP)	
		114+50.00 115+91.00	LT					SY			149		Retaining Wall Removal HT=8.5' (CLDCP)	
		114+45.00 115+97.00	RT					SY			85		Retaining Wall Removal HT=4'(CLDCP)	
											470			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-32

SUMMARY OF EARTHWORK

PAY ITEM NO.	PAY ITEM DESCRIPTION	CY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
	REGULAR EXCAVATION	51,934		SR400	
	REGULAR EXCAVATION	1,002		RAMP IB_DCP	
	REGULAR EXCAVATION	9,924		RAMP IC_DCP	
	REGULAR EXCAVATION	30,406		RAMP D_DCP	
	REGULAR EXCAVATION	2,333		DARYL CARTER PKWY	
	REGULAR EXCAVATION	103,586		POND 142	
	REGULAR EXCAVATION	315,216		PALM PKWY PONDS	
0120-1	REGULAR EXCAVATION, TOTAL	514,401			
	LATERAL DITCH EXCAVATION				
	LATERAL DITCH EXCAVATION				
	LATERAL DITCH EXCAVATION				
0120-3	LATERAL DITCH EXCAVATION, TOTAL	0			
	SUBSOIL EXCAVATION	622		SR400	
0120-4	SUBSOIL EXCAVATION, TOTAL	622			
	EMBANKMENT	144,252		SR400	
	EMBANKMENT	62,717		RAMP IB_DCP	
	EMBANKMENT	73,480		RAMP IC_DCP	
	EMBANKMENT	102,033		RAMP D_DCP	
	EMBANKMENT	24,562		DARYL CARTER PKWY	
	EMBANKMENT	3,354		POND 142	
	EMBANKMENT	40,561		PALM PKWY PONDS	
0120-6	EMBANKMENT, TOTAL	450,959			
	SURCHARGE EMBANKMENT				
0120-74	SURCHARGE EMBANKMENT TOTAL	0			

Earthwork has been calculated using the Limerock base option.
If another option is constructed, there shall be no revision to the earthwork quantites for which payment is made by Plan Quantity.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-33

SUMMARY OF PAVEMENT

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION						P	F	P	F		
0160 4	TYPE B STABILIZATION	104+97.43 to 112+01.13	RAMP ISLIP1	LT/RT	200871			SY	2355.9		75610			
		115+57.19 to 121+94.81	DARYL CARTER PKWY	LT/RT	156863				1383.2					
		116+16.07 to 120+55.03	DARYL CARTER PKWY	LT	161678				528.7					
		207+36.35 to 215+44.94	RAMP SLIP2	LT/RT	189488				2447.2					
		300+00.00 to 310+36.97	RAMP IA_CFP	LT/RT	200910				4547.2					
		405+06.19 to 409+35.00	RAMP IC_CFP	LT/RT	200898				1282.3					
		499+61.38 to 515+16.63	RAMP IB_DCP	LT/RT	201019				7442.7					
		600+45.62 to 604+32.00	RAMP IC_DCP	LT/RT	189372				2246.5					
		610+55.00 to 619+37.51	RAMP IC_DCP	LT/RT	201068				3835.9					
		700+48.73 to 712+78.71	RAMP D_DCP	LT/RT	200943				6407.2					
		7065+99.20 to 7095+00.88	IWBCD2	LT/RT	165990				17024.5					
		556+79.97 R4 to 562+50.00 R4	SR 400 (I-4)	RT	156779				1280.2					
		568+26.14 R4 to 583+50.40 R4	SR 400 (I-4)	RT	200993				3448.3					
		580+50.00 R4 to 583+50.48 R4	SR 400 (I-4)	RT	201011				66.8					
		619+59.26 R4 to 632+75.12 R4	SR 400 (I-4)	RT	156801				3380.6					
		636+88.12 R4 to 650+66.48 R4	SR 400 (I-4)	LT	157024				3641.3					
		650+66.47 R4 to 663+00.00 R4	SR 400 (I-4)	LT	157050				1644.7					
		657+65.48 R4 to 662+71.33 R4	SR 400 (I-4)	RT	166423				215.5					
		662+71.33 R4 to 664+19.28 R4	SR 400 (I-4)	RT	158576				258.8					
		662+99.99 R4 to 681+99.83 R4	SR 400 (I-4)	LT	203233				2572.8					
		664+19.28 R4 to 686+10.95 R4	SR 400 (I-4)	RT	166454				6122.0					
		681+99.83 R4 to 697+02.57 R4	SR 400 (I-4)	LT	158296				3477.2					
285703	OPTIONAL BASE, BASE GROUP 03	104+97.77 to 107+50.00	RAMP ISLIP1	LT	227440			SY	168.2		3465			
		105+49.12 to 111+45.49	RAMP ISLIP1	RT	201129				397.3					
		207+36.57 to 215+45.33	RAMP ISLIP2	LT	159218				389.3					
		207+36.90 to 214+57.66	RAMP ISLIP2	RT	195942				342.4					
		308+00.00 to 310+36.97	RAMP IA_CFP	LT	227449				114.1					
		308+00.00 to 310+36.97	RAMP IA_CFP	RT	227454				114.1					
		400+00.00 to 405+07.72	RAMP IC_CFP	LT/RT	227899				252.7					
		405+06.33 to 409+35.00	RAMP IC_CFP	LT	153362				205.8					
		405+07.72 to 409+35.00	RAMP IC_CFP	RT	159182				110.8					
		700+52.31 to 707+80.00	RAMP D_DCP	LT	227564				581.3					
		700+64.83 to 712+79.02	RAMP D_DCP	RT	227529				789.0					
285704	OPTIONAL BASE, BASE GROUP 04	500+42.34 to 506+92.43	RAMP IB_DCP	LT	227926			SY	186.1		3234			
		504+00.00 to 515+16.46	RAMP IB_DCP	LT/RT	227937				859.9					
		513+30.00 to 514+95.88	RAMP IB_DCP	LT	227915				182.5					
		600+65.31 to 604+02.00	RAMP IC_DCP	LT	153485				322.6					
		600+71.64 to 604+02.00	RAMP IC_DCP	RT	201371				383.7					
		610+85.00 to 613+19.88	RAMP IC_DCP	LT	227965				196.9					
		610+85.00 to 619+37.19	RAMP IC_DCP	LT/RT	201415				894.9					
		614+50.00 to 619+37.36	RAMP IC_DCP	LT	227973				207.7					
285705	OPTIONAL BASE, BASE GROUP 05	7065+44.17 to 7087+72.18	IWBCD2	LT/RT	226504			SY	1843.3		16612			
		7069+48.55 to 7095+00.88	IWBCD2	LT	226521				2271.1					
		7087+73.33 to 7095+00.88	IWBCD2	RT	227386				650.1					
		568+26.14 R4 to 568+84.12 R4	SR 400 (I-4)	RT	201461				35.8					
		568+84.12 R4 to 569+49.91 R4	SR 400 (I-4)	RT	201471				51.8					
		569+49.91 R4 to 583+50.41 R4	SR 400 (I-4)	RT	201479				1322.8					
		619+59.41 R4 to 625+99.74 R4	SR 400 (I-4)	RT	235298				570.5					
		629+14.72 R4 to 632+75.06 R4	SR 400 (I-4)	RT	227322				423.1					
		636+88.12 R4 to 645+68.22 R4	SR 400 (I-4)	LT	235313				1173.6					

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-34

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF PAVEMENT

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION						P	F	P	F		
285705	OPTIONAL BASE, BASE GROUP 05 (CONT'D)	645+68.21 R4 to 650+65.47 R4	SR 400 (I-4)	LT	226436			SY	450.9					
		650+66.47 R4 to 681+99.83 R4	SR 400 (I-4)	LT	227339				3872.2					
		662+71.33 R4 to 664+19.28 R4	SR 400 (I-4)	RT	235321				169.9					
		664+20.33 R4 to 686+10.95 R4	SR 400 (I-4)	RT	235329				2317.8					
		681+99.83 R4 to 687+45.99 R4	SR 400 (I-4)	LT	227355				543.1					
		687+47.08 R4 to 697+02.51 R4	SR 400 (I-4)	LT	227372				915.7					
285710	OPTIONAL BASE, BASE GROUP 10	108+08.27 to 108+47.82	DARYL CARTER PKWY	LT/RT	226934			SY	16.6		1628			
		115+57.19 to 121+94.81	DARYL CARTER PKWY	LT/RT	557633				1196.4					
		116+16.07 to 120+54.52	DARYL CARTER PKWY	LT	167097				414.6					
285711	OPTIONAL BASE, BASE GROUP 11	104+97.77 to 112+00.93	RAMP ISLIP1	LT/RT	227610			SY	1529.7		20674			
		207+36.90 to 215+44.81	RAMP ISLIP2	LT/RT	227796				1406.4					
		300+00.00 to 310+36.97	RAMP IA_CFP	LT/RT	235397				3281.2					
		405+06.60 to 409+35.00	RAMP IC_CFP	LT/RT	235415				744.9					
		500+42.37 to 515+12.92	RAMP IA_DCP	LT/RT	227845				5382.3					
		600+45.62 to 600+71.64	RAMP IC_DCP	RT	201562				70.2					
		600+50.26 to 604+32.00	RAMP IC_DCP	LT/RT	201646				1455.7					
		610+55.00 to 619+37.22	RAMP IC_DCP	LT/RT	227811				2102.0					
		700+48.73 to 712+78.44	RAMP D_DCP	LT/RT	227756				4701.4					
285712	OPTIONAL BASE, BASE GROUP 12	7065+99.20 to 7095+00.88	IWBCD2	LT/RT	223455			SY	11246.6		21839			
		569+47.24 R4 to 583+50.01 R4	SR 400 (I-4)	RT	235619				1567.3					
		619+59.72 R4 to 632+74.73 R4	SR 400 (I-4)	RT	235642				1887.4					
		636+88.12 R4 to 650+66.48 R4	SR 400 (I-4)	LT	235660				2067.7					
		664+19.28 R4 to 686+10.95 R4	SR 400 (I-4)	RT	235673				3317.0					
		683+85.93 R4 to 697+02.13 R4	SR 400 (I-4)	LT	235687				1752.8					
0327 70 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	104+14.91 to 104+23.69	DARYL CARTER PKWY	LT/RT	204914			SY	4.4		34275			
		104+14.91 to 109+70.75	DARYL CARTER PKWY	LT/RT	209391				5467.9					
		114+30.91 to 121+99.58	DARYL CARTER PKWY	LT/RT	209315				5892.7					
		121+85.42 to 121+98.44	DARYL CARTER PKWY	LT/RT	204999				12.0					
		546+50.00 R4 to 554+87.40 R4	SR 400 (I-4)	RT	233770				980.7					
		557+40.08 R4 to 688+95.00 R4	SR 400 (I-4)	RT	233870				13692.5					
		632+30.00 R4 to 704+62.00 R4	SR 400 (I-4)	LT	233851				8224.4					
0327 70 13	MILLING EXIST ASPH PAVT, 1 3/4" AVG DEPTH	109+70.63 to 109+88.86	DARYL CARTER PKWY	RT	209295			SY	89.1		356			
		109+70.71 to 109+88.72	DARYL CARTER PKWY	LT	209302				88.0					
		114+12.67 to 114+31.05	DARYL CARTER PKWY	LT	209284				89.7					
		114+12.77 to 114+30.97	DARYL CARTER PKWY	RT	209277				88.9					
0327 70 19	MILLING EXIST ASPH PAVT, 3/4" AVG DEPTH	546+00.00 R4 to 554+80.30 R4		RT	139675			SY	5843.2		124004			
		556+98.17 R4 to 693+01.35 R4		RT	139684				78278.6					
		632+00.00 R4 to 701+99.60 R4		LT	140086				38074.4					
		697+04.15 R4 to 706+83.96 R4	SR 400 (I-4)	LT	152590				1807.9					
0334 1 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	104+97.77 to 112+00.92	RAMP ISLIP1	LT/RT	222572			TN	246.37		9508.4			
		108+08.27 to 108+47.82	DARYL CARTER PKWY	LT/RT	205689				2.28					
		115+57.19 to 121+94.81	DARYL CARTER PKWY	LT/RT	553903				164.49					
		116+16.07 to 120+54.52	DARYL CARTER PKWY	LT	202346				57.01					
		207+36.59 to 215+44.81	RAMP ISLIP2	LT/RT	228052				29.63					
		207+36.90 to 214+57.64	RAMP ISLIP2	RT	228058				27.36					
		207+36.90 to 215+44.81	RAMP ISLIP2	RT	174291				222.18					
		300+00.00 to 305+04.08	RAMP IA_CFP	RT	193937				19.59					
		300+00.00 to 310+36.97	RAMP IA_CFP	LT/RT	227988				535.23					
		308+00.00 to 310+36.97	RAMP IA_CFP	LT/RT	228071				8.69					
		308+00.00 to 310+36.97	RAMP IA_CFP	RT	228076				8.69					

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-35

SUMMARY OF PAVEMENT

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION						P	F	P	F		
0334 1 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C (CONT'D)	405+06.33 to 409+35.00	RAMP IC_CFP	LT	193589			TN	15.67					
		405+06.63 to 409+35.00	RAMP IC_CFP	RT	193930				7.85					
		405+06.63 to 409+35.00	RAMP IC_CFP	LT/RT	174570				117.68					
		504+00.00 to 515+16.47	RAMP IB_DCP	LT/RT	222095				94.57					
		513+30.00 to 514+87.63	RAMP IB_DCP	LT	236391				15.40					
		516+18.65 to 516+18.65	RAMP IC_DCP	LT	236400				30.19					
		517+11.16 to 517+11.16	RAMP IC_DCP	LT/RT	202646				42.21					
		528+04.48 to 528+04.48	RAMP IC_DCP	LT	222156				21.65					
		534+59.64 to 534+59.64	RAMP IC_DCP	LT	168065				98.44					
		700+48.73 to 705+53.79	RAMP D_DCP	LT/RT	236552				467.34					
		700+52.33 to 707+80.00	RAMP D_DCP	LT	237174				47.93					
		700+71.71 to 712+79.02	RAMP D_DCP	RT	236578				60.08					
		705+53.79 to 712+78.44	RAMP D_DCP	LT/RT	232356				294.45					
		705+90.95 to 708+40.24	RAMP ISLIP1	RT	222402				13.87					
		706+46.30 to 712+26.89	RAMP D_DCP	RT	202386				32.79					
		7065+44.17 to 7087+72.18	IWBCD2	LT/RT	202665				202.77					
		7069+48.55 to 7095+00.88	IWBCD2	LT	223376				249.82					
		7087+73.33 to 7095+00.88	IWBCD2	RT	168027				71.14					
		546+50.00 to 554+87.40	SR 400 (I-4)	RT	233940				80.91					
		557+40.08 to 688+95.00	SR 400 (I-4)	RT	233914				1129.63					
		568+26.14 to 583+50.40	SR 400 (I-4)	RT	174108				230.52					
		619+59.42 to 625+99.74	SR 400 (I-4)	RT	223327				93.93					
		629+14.72 to 632+75.05	SR 400 (I-4)	RT	173941				68.10					
		632+30.00 to 704+62.00	SR 400 (I-4)	LT	233896				678.51					
		636+88.12 to 645+68.22	SR 400 (I-4)	LT	174063				193.65					
		645+68.21 to 650+65.47	SR 400 (I-4)	LT	174340				74.40					
		650+66.47 to 681+99.83	SR 400 (I-4)	LT	202771				627.88					
		662+71.33 to 664+19.28	SR 400 (I-4)	RT	206640				27.13					
		664+20.33 to 686+10.95	SR 400 (I-4)	RT	174273				373.71					
		681+99.83 to 687+45.99	SR 400 (I-4)	LT	240605				86.41					
		687+47.08 to 697+02.49	SR 400 (I-4)	LT	194067				145.25					
		557+00.00 to 693+00.00	SR 400 (I-4)	RT					2493.00				OVERBUILD FOR TTCP TO REMAIN	
0334 1 14	SUPERPAVE ASPHALTIC CONC, TRAFFIC D	500+42.37 to 510+02.54	RAMP IB_DCP	LT/RT	232181			TN	251.47		2159.2			
		510+02.06 to 515+12.80	RAMP IB_DCP	LT/RT	232450				332.45					
		600+45.62 to 604+02.00	RAMP IC_DCP	LT/RT	177478				150.25					
		610+85.00 to 619+37.19	RAMP IC_DCP	LT/RT	221890				210.14					
		7065+99.20 to 7095+00.88	IWBCD2	LT/RT	223357				1214.92					
0334 1 15	SUPERPAVE ASPHALTIC CONC, TRAFFIC E	556+87.83 R4 to 562+50.00 R4	SR 400 (I-4)	RT	183424			TN	59.68		1198.8			
		569+47.24 R4 to 583+50.00 R4	SR 400 (I-4)	RT	183406				166.69					
		619+59.74 R4 to 632+74.71 R4	SR 400 (I-4)	RT	223296				203.53					
		636+88.12 R4 to 650+66.48 R4	SR 400 (I-4)	LT	183651				221.84					
		664+19.28 R4 to 669+97.38 R4	SR 400 (I-4)	RT	183572				131.86					
		669+97.38 R4 to 686+10.95 R4	SR 400 (I-4)	RT	183470				227.75					
		683+85.94 R4 to 697+02.12 R4	SR 400 (I-4)	LT	183634				187.45					

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-36

SUMMARY OF PAVEMENT

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION						P	F	P	F		
0334 1 54	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC D, PG 76-22	500+42.37 to 510+02.54	RAMP IB_DCP	LT/RT	232199			TN	251.47		2180.1			
		510+02.06 to 515+12.80	RAMP IB_DCP	LT/RT	232470				332.45					
		600+45.62 to 604+02.00	RAMP IC_DCP	LT/RT	180578				150.25					
		610+85.00 to 619+37.45	RAMP IC_DCP	LT/RT	221956				210.16					
		614+50.00 to 619+37.33	RAMP IC_DCP	LT	223409				20.86					
		7065+99.20 to 7095+00.88	IWBCD2	LT/RT	223338				1214.92					
0334 1 55	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC E, PG 76-22	556+87.83 R4 to 562+50.00 R4	SR 400 (I-4)	RT	186567			TN	119.35		2397.6			
		569+47.24 R4 to 583+50.00 R4	SR 400 (I-4)	RT	186549				333.37					
		619+59.74 R4 to 632+74.71 R4	SR 400 (I-4)	RT	223286			TN	407.07					
		636+88.12 R4 to 650+66.48 R4	SR 400 (I-4)	LT	186794				443.68					
		664+19.28 R4 to 669+97.38 R4	SR 400 (I-4)	RT	186715				263.72					
		669+97.38 R4 to 686+10.95 R4	SR 400 (I-4)	RT	186613				455.50					
		683+85.94 R4 to 697+02.12 R4	SR 400 (I-4)	LT	186777				374.89					
0337 7 25	ASPHALT CONCRETE FRICTION COURSE, INC BIT, FC-5, PG 76-22	104+97.77 to 112+00.93	RAMP ISLIP1	LT/RT	232998			TN	55.70		7269.2		3/4"	
		207+36.90 to 215+44.81	RAMP ISLIP2	LT/RT	233721				57.85				3/4"	
		300+00.00 to 310+36.97	RAMP IA_CFP	LT/RT	233752				113.26				3/4"	
		319+87.88 to 319+87.88	RAMP IA_CFP	LT/RT	215528				72.31				3/4"	
		405+06.58 to 409+35.00	RAMP IC_CFP	LT/RT	215521				31.02				3/4"	
		499+61.38 to 515+13.03	RAMP IB_DCP	LT/RT	236416				208.34				3/4"	
		600+45.62 to 604+02.00	RAMP IC_DCP	LT/RT	236454				55.85				3/4"	
		604+02.00 to 604+30.00	RAMP IC_DCP	LT/RT	214344				4.98				1.75"	
		610+57.00 to 610+85.00	RAMP IC_DCP	LT/RT	214349				4.98				1.75"	
		610+85.00 to 619+37.19	RAMP IC_DCP	LT/RT	233645				77.27				3/4"	
		700+48.73 to 712+78.25	RAMP D_DCP	LT/RT	236482				182.39				3/4"	
		7065+99.20 to 7095+00.88	IWBCD2	LT/RT	233729				450.55				3/4"	
		546+00.00 R4 to 554+80.30 R4	SR 400 (I-4)	RT	205759				233.73				3/4"	
		556+87.25 R4 to 693+01.35 R4	SR 400 (I-4)	RT	233095				3427.33				3/4"	
		632+00.00 R4 to 701+99.60 R4	SR 400 (I-4)	LT	233014				1689.59				3/4"	
		557+00.00 to 693+00.00	SR 400 (I-4)	RT					604.00				FOR TTCP TO REMAIN	
0337 7 83	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	104+14.91 to 104+23.69	DARYL CARTER PKWY	LT/RT	218194			TN	0.34		1105.8		1.5"	
		104+14.91 to 109+70.75	DARYL CARTER PKWY	LT/RT	218200				452.17				1.5"	
		109+70.63 to 109+88.86	DARYL CARTER PKWY	RT	212945				8.57					
		109+70.71 to 109+88.72	DARYL CARTER PKWY	LT	212933				8.47					
		114+12.67 to 114+31.05	DARYL CARTER PKWY	LT	212952				8.63					
		114+12.77 to 114+30.97	DARYL CARTER PKWY	RT	212960				8.56					
		114+30.91 to 121+99.58	DARYL CARTER PKWY	LT/RT	209603				486.15				1.5"	
		115+57.19 to 121+94.81	DARYL CARTER PKWY	LT/RT	220235				97.69				1.5"	
		116+16.07 to 120+54.52	DARYL CARTER PKWY	LT	220246				34.21				1.5"	
		121+85.42 to 121+98.44	DARYL CARTER PKWY	LT/RT	209594				0.99				1.5"	
0546 72 1	GROUND-IN RUMBLE STRIPS, 16 IN	557+00.00 to 693+00.00	SR 400 (I-4)	RT		2.576		GM			3.951			
		632+00.00 to 704+62.00	SR 400 (I-4)	LT		1.375			585.83					

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-37

SUMMARY OF MISCELLANEOUS ASPHALT PAVEMENT

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	THICK (IN)	UNDER GUARDRAIL 0339 1 TN P	UNDER GUARDRAIL 0339 1 TN F	DESIGN NOTES	CONSTRUCTION REMARKS
107+50.00 to 109+06.27	LT	164021			1	2.45		RAMP ISLIP1	
109+06.27 to 111+06.25	LT	163728			1	2.22		RAMP ISLIP1	
210+72.00 to 211+65.77	RT	132477			1	1.90		RAMP ISLIP2	
300+00.00 to 308+00.00	LT	163790			1	8.88		RAMP IA_CFP	
300+06.82 to 301+00.25	RT	220534			1	1.74		RAMP IC_CFP	
305+34.00 to 308+00.00	RT	220287			1	2.96		RAMP IA_CFP	
499+70.88 to 502+43.43	RT	165635			1	3.02		RAMP IB_DCP	
502+43.40 to 504+00.00	RT	165662			1	2.47		RAMP IB_DCP	
506+92.43 to 511+73.69	LT	163999			1	5.33		RAMP IB_DCP	
511+73.68 to 513+30.00	LT	164044			1	2.46		RAMP IB_DCP	
613+19.82 to 614+50.00	LT	163934			1	1.45		RMAP IC_DCP	
614+00.00 to 618+01.59	RT	163945			1	4.46		RAMP IC_DCP	
707+80.00 to 709+42.02	RT	220262			1	3.62		RAMP D_DCP	
707+80.00 to 712+78.25	LT	163736			1	6.71		RAMP D_DCP	
7066+02.32 to 7095+00.88	LT	163764			1	32.26			
568+84.12 R4 to 580+37.62 R4	RT	220254			1	20.50		SR 400 (I-4)	
619+92.11 R4 to 629+22.62 R4	RT	163981			1	10.35		SR 400 (I-4)	
651+98.89 R4 to 660+97.66 R4	LT	163829			1	9.99		SR 400(I-4)	
657+65.48 R4 to 662+71.33 R4	RT	163958			1	5.62		SR 400 (I-4)	
662+86.12 R4 to 671+81.76 R4	RT	132442			1	15.88		SR 400 (I-4)	
663+00.00 R4 to 663+93.67 R4	LT	132492			1	1.70		SR 400 (I-4)	
681+99.83 R4 to 685+67.61 R4	LT	163818			1	4.09		SR 400 (I-4)	
					SUB-TOTAL:	150.06			
					TOTAL:	150.1			
					GRAND TOTAL:	150.1			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-38

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNIT	QUANTITY GROSS LENGTH	DEDUCTIONS TYPE	DEDUCTIONS LENGTH	NET LENGTH P	NET LENGTH F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
0520 1 7	CONCRETE CURB & GUTTER, TYPE E	106+34.03 to 107+34.16	LT		LF	102.6			102.6		1238		DARYL CARTER PKWY	
		106+34.03 to 107+39.59	RT			105.6			105.6				DARYL CARTER PKWY	
		107+34.16 to 108+09.14	LT			76.9			76.9				DARYL CARTER PKWY	
		107+39.59 to 108+15.39	LT/RT			77.8			77.8				DARYL CARTER PKWY	
		108+09.14 to 108+15.39	LT			6.8			6.8				DARYL CARTER PKWY	
		108+15.39 to 108+15.39	LT			5.9			5.9				DARYL CARTER PKWY	
		109+27.71 to 109+27.89	LT/RT			6.5			6.5				DARYL CARTER PKWY	
		109+27.71 to 109+70.77	RT			44.0			44.0				DARYL CARTER PKWY	
		109+27.89 to 109+70.77	LT			43.3			43.3				DARYL CARTER PKWY	
		114+30.77 to 114+67.20	LT			37.1			37.1				DARYL CARTER PKWY	
		114+30.77 to 114+67.21	RT			37.1			37.1				DARYL CARTER PKWY	
		114+67.20 to 114+67.21	LT/RT			6.5			6.5				DARYL CARTER PKWY	
		115+98.88 to 115+98.90	RT			6.1			6.1				DARYL CARTER PKWY	
		115+98.88 to 116+69.97	LT/RT			72.7			72.7				DARYL CARTER PKWY	
		115+98.90 to 116+09.15	RT			10.9			10.9				DARYL CARTER PKWY	
		116+09.15 to 116+78.10	RT			70.4			70.4				DARYL CARTER PKWY	
		116+69.97 to 120+91.34	LT			421.4			421.4				DARYL CARTER PKWY	
		120+91.34 to 121+80.56	LT			89.3			89.3				DARYL CARTER PKWY	
		121+80.06 to 121+80.56	LT/RT			16.8			16.8				DARYL CARTER PKWY	
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	107+78.07 to 108+02.50	LT		LF	25.6			25.6		1896		RAMP D DCP	
		108+02.50 to 108+13.15	LT			12.7			12.7				DARYL CARTER PKWY	
		108+08.63 to 108+27.67	RT			19.0			19.0				DARYL CARTER PKWY	
		108+08.84 to 108+09.19	RT			6.9			6.9				DARYL CARTER PKWY	
		108+08.84 to 108+28.99	RT			21.1			21.1				DARYL CARTER PKWY	
		108+09.19 to 108+43.07	RT			35.6			35.6				DARYL CARTER PKWY	
		108+13.15 to 108+22.69	LT			12.1			12.1				RAMP D DCP	
		108+28.99 to 108+69.22	RT			42.7			42.7				DARYL CARTER PKWY	
		108+35.56 to 108+35.96	LT			5.5			5.5				DARYL CARTER PKWY	
		108+35.56 to 108+87.53	LT			83.3			83.3				DARYL CARTER PKWY	
		108+35.96 to 108+70.06	LT			36.8			36.8				DARYL CARTER PKWY	
		108+43.07 to 108+46.97	RT			4.1			4.1				DARYL CARTER PKWY	
		108+46.97 to 109+29.48	RT			82.5			82.5				DARYL CARTER PKWY	
		108+69.22 to 108+71.02	RT			1.8			1.8				DARYL CARTER PKWY	
		108+70.06 to 108+71.85	LT			1.8			1.8				DARYL CARTER PKWY	
		108+71.02 to 108+92.10	RT			22.8			22.8				DARYL CARTER PKWY	
		108+71.85 to 108+86.19	LT			15.2			15.2				DARYL CARTER PKWY	
		108+86.19 to 109+26.17	LT			41.4			41.4				DARYL CARTER PKWY	
		108+87.53 to 108+92.31	LT			6.4			6.4				DARYL CARTER PKWY	
		108+92.10 to 109+47.87	RT			57.9			57.9				DARYL CARTER PKWY	
		108+92.31 to 109+27.38	LT			72.1			72.1				DARYL CARTER PKWY	
		109+26.17 to 109+27.38	LT			5.6			5.6				DARYL CARTER PKWY	
		109+29.48 to 109+33.94	RT			4.7			4.7				DARYL CARTER PKWY	
		109+33.94 to 109+48.44	RT			16.2			16.2				DARYL CARTER PKWY	
		109+47.87 to 109+48.44	RT			6.6			6.6				DARYL CARTER PKWY	
		114+76.32 to 114+77.08	LT			5.9			5.9				DARYL CARTER PKWY	
		114+76.32 to 115+12.89	LT			56.0			56.0				DARYL CARTER PKWY	
		114+77.08 to 115+03.60	LT			27.7			27.7				DARYL CARTER PKWY	
		114+80.52 to 114+81.83	RT			5.2			5.2				DARYL CARTER PKWY	
		114+80.52 to 115+06.82	RT			59.9			59.9				DARYL CARTER PKWY	
		114+81.83 to 115+16.95	RT			36.8			36.8				DARYL CARTER PKWY	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-39

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNIT	QUANTITY GROSS LENGTH	DEDUCTIONS TYPE	DEDUCTIONS LENGTH	NET LENGTH P	NET LENGTH F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
0520 1 10	CONCRETE CURB & GUTTER, TYPE F (CONT'D)	115+03.60 to 115+23.21	LT		LF	20.9			20.9				DARYL CARTER PKWY	
		115+06.82 to 115+11.60	RT			6.4			6.4				DARYL CARTER PKWY	
		115+11.60 to 115+67.78	RT			88.4			88.4				DARYL CARTER PKWY	
		115+12.89 to 115+17.26	LT			5.3			5.3				DARYL CARTER PKWY	
		115+16.95 to 115+43.28	RT			28.3			28.3				DARYL CARTER PKWY	
		115+17.26 to 115+73.29	LT			66.6			66.6				DARYL CARTER PKWY	
		115+23.21 to 115+25.00	LT			1.8			1.8				DARYL CARTER PKWY	
		115+25.00 to 115+67.05	LT			45.2			45.2				DARYL CARTER PKWY	
		115+43.28 to 115+45.07	RT			1.8			1.8				DARYL CARTER PKWY	
		115+45.07 to 115+67.37	RT			23.8			23.8				DARYL CARTER PKWY	
		115+57.43 to 115+67.05	LT			19.8			19.8				DARYL CARTER PKWY	
		115+63.37 to 116+66.74	RT			116.6			116.6				DARYL CARTER PKWY	
		115+67.05 to 115+68.42	LT			2.0			2.0				DARYL CARTER PKWY	
		115+67.05 to 115+81.73	LT			15.6			15.6				DARYL CARTER PKWY	
		115+67.37 to 115+67.78	RT			5.6			5.6				DARYL CARTER PKWY	
		115+68.42 to 115+75.63	LT			8.1			8.1				DARYL CARTER PKWY	
		115+73.29 to 115+80.34	LT			7.1			7.1				DARYL CARTER PKWY	
		115+75.63 to 116+16.07	LT			41.7			41.7				DARYL CARTER PKWY	
		115+79.51 to 115+80.34	LT			0.8			0.8				DARYL CARTER PKWY	
		115+80.34 to 115+81.73	LT			12.7			12.7				DARYL CARTER PKWY	
		116+16.07 to 120+05.91	LT			389.8			389.8				DARYL CARTER PKWY	
		120+05.91 to 120+54.85	LT			50.2			50.2				DARYL CARTER PKWY	
		1011+63.50 to 1011+69.48	RT			6.0			6.0				POND 142B DRIVEWAY	
		1011+69.48 to 1011+92.46	RT			23.0			23.0				POND 142B DRIVEWAY	
		1011+92.46 to 1011+98.47	RT			6.0			6.0				POND 142B DRIVEWAY	
		1202+31.76 to 1202+37.73	RT			6.0			6.0				POND 141B1 DRIVEWAY	
		1202+37.73 to 1202+60.76	RT			23.1			23.1				POND 141B1 DRIVEWAY	
		1202+60.76 to 1202+66.81	RT			6.1			6.1				POND 141B1 DRIVEWAY	
		1232+19.42 to 1232+19.42	LT			6.0			6.0				POND 141B4 DRIVEWAY	
		1232+40.99 to 1232+40.99	LT			23.0			23.0				POND 141B4 DRIVEWAY	
		1232+46.74 to 1232+46.74	LT			6.0			6.0				POND 141B4 DRIVEWAY	
0520 5 11	TRAFFIC SEPARATOR, CONCRETE, TYPE I, 4' WIDE	27+72.82 to 28+95.24	RT		LF	61.2			61.2		177		CENTRAL FLORIDA PKWY	
		28+95.15 to 28+95.24	RT			3.3			3.3				CENTRAL FLORIDA PKWY	
		5510+11.29 to 5510+79.24	RT			112.8			112.8				TURKEY LAKE ROAD	
0520 6	SHOULDER GUTTER - CONCRETE	107+77.52 to 110+55.63	LT		LF	278.1			278.1		10631		RAMP ISLIP1	
		110+55.63 to 111+06.25	LT			50.7			50.7				RAMP ISLIP1	
		302+58.58 to 304+94.02	LT			235.2			235.2				RAMP IA_CFP	
		304+94.02 to 308+00.00	LT			306.0			306.0				RAMP IA_CFP	
		497+04.29 to 499+70.88	RT			266.6			266.6				RAMP IB_CFP	
		499+70.88 to 503+72.47	RT			400.8			400.8				RAMP IB_CFP	
		506+92.43 to 510+01.64	LT			307.9			307.9				RAMP IB_CFP	
		510+01.64 to 510+51.64	LT			51.1			51.1				RAMP IB_CFP	
		510+51.64 to 511+79.46	LT			126.9			126.9				RAMP IB_CFP	
		511+79.46 to 513+02.48	LT			123.0			123.0				RAMP IB_CFP	
		613+19.82 to 614+50.00	LT			130.8			130.8				RAMP IC_DCP	
		614+00.00 to 615+00.05	RT			99.9			99.9				RAMP IC_DCP	
		615+00.00 to 625+14.72	RT			1013.3			1013.3				RAMP IC_DCP	
		709+08.26 to 709+81.71	LT			73.5			73.5				RAMP D DCP	
		709+81.71 to 714+49.85	LT			467.2			467.2				RAMP D DCP	
		714+49.85 to 717+26.89	LT			276.6			276.6				RAMP D DCP	

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-40

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNIT	QUANTITY GROSS LENGTH	DEDUCTIONS TYPE	DEDUCTIONS LENGTH	NET LENGTH P	NET LENGTH F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
0520 6	SHOULDER GUTTER - CONCRETE (CONT'D)	7070+48.53 to 7078+71.11	LT		LF	825.2			825.2				IWBCD2	
		7078+71.11 to 7081+71.11	LT			300.2			300.2				IWBCD2	
		7081+71.11 to 7097+59.19	LT			1588.1			1588.1				IWBCD2	
		569+49.91 R4 to 580+50.00 R4	RT			1100.1			1100.1				SR400 (I-4)	
		619+92.19 R4 to 622+59.51 R4	RT			267.5			267.5				SR400 (I-4)	
		622+59.51 R4 to 626+56.68 R4	RT			397.2			397.2				SR400 (I-4)	
		651+69.52 R4 to 660+97.66 R4	LT			928.1			928.1				SR400 (I-4)	
		657+65.48 R4 to 662+71.33 R4	RT			505.8			505.8				SR400 (I-4)	
		669+97.39 R4 to 670+68.60 R4	RT			71.2			71.2				SR400 (I-4)	
		681+99.83 R4 to 683+85.72 R4	LT			185.9			185.9				SR400 (I-4)	
		683+85.72 R4 to 686+39.89 R4	LT			254.3			254.3				SR400 (I-4)	
0520 70	CONCRETE TRAFFIC SEPARATOR, SPECIAL - VARIABLE WIDTH	104+22.62 to 106+34.03	LT/RT	326575	SY	345.8			345.8		346		DARYL CARTER PKWY	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-41

SUMMARY OF PERMANENT BARRIER WALL

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	UNIT	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
0521 72 40	SHOULDER CONCRETE BARRIER, 38" OR 44" HEIGHT	105+49.04 to 110+29.62	RT	LF	480.6		6379		RAMP ISLIP1	
		109+74.24 to 114+13.76	LT		439.5				DARYL CARTER PKWY	
		109+88.04 to 114+12.99	RT		425.0				DARYL CARTER PKWY	
		110+29.62 to 111+45.49	RT		115.6				RAMP ISLIP1	
		201+82.70 to 206+37.58	RT		454.5				RAMP ISLIP2	
		206+37.58 to 210+72.00	RT		434.4				RAMP ISLIP2	
		504+00.00 to 504+40.00	RT		39.9				RAMP IB_DCP	
		504+40.00 to 505+39.75	RT		99.7				RAMP IB_DCP	
		505+39.80 to 506+39.97	RT		100.5				RAMP IB_DCP	
		514+70.47 to 514+85.47	LT		29.2				RAMP IB_CFP	
		514+85.47 to 514+86.80	LT		9.4				RAMP IB_CFP	
		600+74.36 to 600+74.37	LT		5.4				RAMP IC_CFP	
		600+74.36 to 600+89.89	LT		39.1				RAMP IC_CFP	
		700+74.31 to 700+75.04	RT		8.1				RAMP D_DCP	
		700+75.03 to 700+89.97	RT		31.4				RAMP D_DCP	
		7065+44.17 to 7066+70.40	RT		126.3				IWBCD2	
		7066+70.40 to 7078+70.88	RT		1199.7				IWBCD2	
		7078+70.88 to 7082+18.72	RT		347.8				IWBCD2	
		7088+65.43 to 7095+00.88	RT		635.5				IWBCD2	
		7095+00.88 to 7095+00.88	RT		6.9				IWBCD2	
		636+88.12 R4 to 639+87.95 R4	LT		300.0				SR 400 (I-4)	
		639+87.95 R4 to 648+36.32 R4	LT		848.4				SR 400 (I-4)	
		660+97.66 R4 to 663+00.00 R4	LT		202.3				SR400 (I-4)	
0521 72 41	SHOULDER CONCRETE BARRIER, RETAINING SECTION	102+68.51 to 104+07.94	LT	LF	69.6		730		RAMP ISLIP1	
		104+07.94 to 107+50.00	LT		171.0				RAMP ISLIP1	
		651+18.12 R4 to 660+97.66 R4	LT		489.8				SR 400 (I-4)	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-42

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4" 0522 1 SY P	CONC SIDEWALK 4" 0522 1 SY F	CONC SIDEWALK 6" 0522 2 SY P	CONC SIDEWALK 6" 0522 2 SY F	DETECTABLE WARNINGS 0527 2 SF P	DETECTABLE WARNINGS 0527 2 SF F	DESIGN NOTES	CONSTRUCTION REMARKS
108+07.36 to 108+24.67	RT	235281			19.8						DARYL CARTER PKWY	
108+17.28 to 109+36.76	RT	247250			114.7						DARYL CARTER PKWY	
108+37.83 to 109+26.06	LT	247265			81.9						DARYL CARTER PKWY	
114+81.16 to 115+66.34	RT	247372			79.7						DARYL CARTER PKWY	
114+83.22 to 115+79.51	LT	247358			91.9						DARYL CARTER PKWY	
107+79.43 to 108+11.75	LT	235343					19.6				DARYL CARTER PKWY	
109+33.88 to 109+70.77	LT/RT	235600					42.7				DARYL CARTER PKWY	
114+30.77 to 114+61.80	LT/RT	235574					35.6				DARYL CARTER PKWY	
115+77.05 to 115+90.79	LT	228427					8.0				DARYL CARTER PKWY	
1011+63.44 to 1011+98.49	RT	285462					36.8				POND 142B	
1202+31.65 to 1202+67.01	RT	285472					37.7				POND 141B1	
1232+46.23 to 1232+46.23	LT	285481					36.9				POND 141B4	
107+97.79 to 108+11.75	LT	240007							24.3		DARYL CARTER PKWY	
108+18.43 to 108+30.36	RT	247515							18.8		DARYL CARTER PKWY	
108+38.82 to 108+47.14	LT	247497							16.4		DARYL CARTER PKWY	
109+15.12 to 109+24.84	LT	247487							16.2		DARYL CARTER PKWY	
109+22.58 to 109+35.56	RT	247523							19.7		DARYL CARTER PKWY	
109+33.88 to 109+46.92	LT/RT	240758							32.6		DARYL CARTER PKWY	
109+34.19 to 109+47.49	LT	240764							31.0		DARYL CARTER PKWY	
114+42.83 to 114+61.80	RT	240815							36.6		DARYL CARTER PKWY	
114+43.60 to 114+61.79	LT	240808							34.6		DARYL CARTER PKWY	
114+82.07 to 114+92.68	RT	247545							19.4		DARYL CARTER PKWY	
114+84.42 to 114+95.76	LT	247477							19.8		DARYL CARTER PKWY	
115+56.25 to 115+65.32	RT	247562							17.5		DARYL CARTER PKWY	
115+67.89 to 115+78.18	LT	247553							18.7		DARYL CARTER PKWY	
115+77.05 to 115+84.20	LT	240801							12.4		DARYL CARTER PKWY	
115+87.07 to 115+97.70	RT	240794							21.0		DARYL CARTER PKWY	
108+11.63 to 108+24.31	RT	240735							19.1		DARYL CARTER PKWY	
SUB-TOTAL:					388.0		217.3		358.1			
TOTAL:					388		217		358			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-43

SUMMARY OF DITCH PAVEMENT

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	CONCRETE SLOPE PAVEMENT - NON-REINF (3") 0524 2 1 SY P	 F	DESIGN NOTES	CONSTRUCTION REMARKS
643+91.47 R4 to 644+41.98 R4	RT	252771			154.4			
644+41.93 R4 to 644+47.96 R4	RT	252797			1.7			
644+41.93 R4 to 644+51.82 R4	RT	252779			27.7			
644+44.50 R4 to 644+58.49 R4	LT	252847			90.0			
644+50.41 R4 to 644+69.68 R4	RT	252785			45.7			
644+54.55 R4 to 644+80.34 R4	LT	252833			122.8			
644+84.70 R4 to 645+20.20 R4	LT	557619			498.0			
645+16.05 R4 to 645+45.85 R4	RT	252803			96.3			
645+19.41 R4 to 645+38.19 R4	LT	252861			67.5			
645+29.88 R4 to 645+49.91 R4	RT	252817			67.5			
645+34.88 R4 to 645+50.45 R4	LT	252873			61.4			
645+49.87 R4 to 645+76.81 R4	RT	252828			73.8			
645+50.38 R4 to 646+00.53 R4	LT	252885			153.4			
				SUB-TOTAL:	1460.2			
				TOTAL:	1460			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-44

SUMMARY OF GUARDRAIL

LOCATION STA. TO STA.			SIDE	GUARDRAIL, ROADWAY, GENERAL TL-3 0536 1 1 LF		SPECIAL GUARDRAIL POST (TYPE) 0536 7 A EA		GUARDRAIL END TREATMENT - PARALLEL APPROACH TERMINAL 0536 85 24 EA		GUARDRAIL END TREATMENT - TRAILING ANCHORAGE TYPE II 0536 85 25 EA		GUARDRAIL RESET 0538 1 LF		RUB RAIL 0536 5 A LF		DESIGN NOTES	CONSTRUCTION REMARKS
				P	F	P	F	P	F	P	F	P	F	P	F		
568+94.12	to	580+31.62	RT	1137.5				1		1						BL400	
632+00.00		704+62.00	RT									7262.0				BL400	
669+97.39		671+75.76	RT	178.4						1						BL400	
683+39.80		685+77.30	RT	237.5				1		1						BL400	
707+79.40		708+10.65	RT	31.3												D DCP	
707+79.40		708+06.95	LT	27.6												D DCP	
708+06.95		708+57.89	LT	50.8												D DCP	
708+10.65		708+31.35	RT	20.7												D DCP	
708+31.35		709+32.00	RT	101.2				1								D DCP	
708+57.89		709+81.73	LT	123.8												D DCP	
709+81.73		710+70.25	LT	88.3				1								D DCP	
502+53.44		503+19.21	RT	65.6				1								IB DCP	
503+19.21		503+69.31	RT	50.1												IB DCP	
503+69.31		504+00.61	RT	31.3												IB DCP	
511+83.73		512+49.35	LT	65.6				1								IB DCP	
512+49.35		512+99.35	LT	50												IB DCP	
512+99.35		513+30.60	LT	31.3												IB DCP	
400+06.25		400+90.66	RT	84.4				1								IC CFP	
618+11.63		625+14.72	RT	702.1				1								IC DCP	
107+49.40		107+80.65	LT	31.3												ISLIP1	
107+80.65		108+30.65	LT	50												ISLIP1	
108+30.65		108+96.27	LT	65.6				1								ISLIP1	
210+71.40		211+55.77	RT	84.4				1								ISLIP2	
7071+27.31		7072+11.99	RT	84.4				1								IWBCD2	

SUMMARY OF PERMANENT CRASH CUSHIONS

LOCATION	SIDE	BARRIER SYSTEM		DESIGN LENGTH	DESIGN SPEED	CRASH TEST LEVEL	HAZARD WIDTH	LENGTH RESTRICTION	CRASH CUSHION 0544 3 1		DESIGN NOTES	CONSTRUCTION REMARKS
STATION		CONCRETE BARRIER WALL	GUARDRAIL	FT	MPH	TL-2 / TL-3	IN	FT	P	F		
7069+46.92	RT	X		25	60	TL-3	24	N/A	1		IWBCD2	
								SUB-TOTAL:	1			
								TOTAL:	1			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-46

SUMMARY OF FENCING

PAY ITEM NO.	DESCRIPTION	LOCATION STA. TO STA.	SIDE	UNIT	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
0550 10120	FENCING, TYPE A, 5.1- 6.0', STANDARD	623+26.57 R4 to 640+61.41 R4	RT	LF	1749.1		16229		SR 400 (I-4)	
		631+28.16 R4 to 644+12.87 R4	LT		1744.6				SR 400 (I-4)	
		640+61.41 R4 to 640+78.83 R4	RT		27.0				SR 400 (I-4)	
		640+78.83 R4 to 643+78.83 R4	RT		301.0				SR 400 (I-4)	
		643+78.77 R4 to 643+78.83 R4	RT		33.1				SR 400 (I-4)	
		643+78.77 R4 to 643+84.73 R4	RT		8.5				SR 400 (I-4)	
		643+84.73 R4 to 643+96.44 R4	RT		11.7				SR 400 (I-4)	
		643+96.43 R4 to 644+12.38 R4	RT		15.9				SR 400 (I-4)	
		644+11.59 R4 to 644+12.38 R4	RT		374.2				SR 400 (I-4)	
		644+11.59 R4 to 644+19.80 R4	RT		8.2				SR 400 (I-4)	
		644+19.80 R4 to 644+24.61 R4	RT		150.9				SR 400 (I-4)	
		645+53.72 R4 to 645+55.82 R4	RT		54.9				SR 400 (I-4)	
		645+55.82 R4 to 645+79.58 R4	RT		23.8				SR 400 (I-4)	
		645+79.58 R4 to 645+80.44 R4	RT		499.3				SR 400 (I-4)	
		645+80.73 R4 to 645+80.87 R4	LT		384.6				SR 400 (I-4)	
		645+80.73 R4 to 645+98.31 R4	LT		17.6				SR 400 (I-4)	
		645+80.87 R4 to 645+99.95 R4	LT		26.5				SR 400 (I-4)	
		645+98.31 R4 to 646+52.22 R4	LT		69.9				SR 400 (I-4)	
		646+52.22 R4 to 650+04.90 R4	LT		355.3				SR 400 (I-4)	
		649+94.00 R4 to 692+25.53 R4	RT		4261.0				SR 400 (I-4)	
		650+04.90 R4 to 650+55.50 R4	LT		53.9				SR 400 (I-4)	
		650+55.50 R4 to 652+97.35 R4	LT		244.3				SR 400 (I-4)	
		652+97.35 R4 to 653+28.04 R4	LT		48.2				SR 400 (I-4)	
		653+28.04 R4 to 695+74.72 R4	LT		4357.7				SR 400 (I-4)	
		692+25.53 R4 to 692+38.46 R4	RT		21.0				SR 400 (I-4)	
		692+38.46 R4 to 696+08.57 R4	RT		370.5				SR 400 (I-4)	
		696+08.57 R4 to 702+54.72 R4	RT		646.7				SR 400 (I-4)	
		702+54.80 R4 to 703+52.53 R4	RT		98.8				SR 400 (I-4)	
		703+52.45 R4 to 705+14.08 R4	RT		174.6				SR 400 (I-4)	
		706+89.23 R4 to 707+39.03 R4	LT		96.3				SR 400 (I-4)	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL, 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-47

SUMMARY OF PERFORMANCE TURF

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD) 0570 1 2 SY P	PERFORMANCE TURF (SOD) 0570 1 2 SY F	DESIGN NOTES	CONSTRUCTION REMARKS
118+72.90 to 118+72.90	LT	510390			2695.7		DARYL CARTER PKWY	
306+00.00 to 307+00.00	LT	402835			151.3		RAMP IA_CFP	
307+00.00 to 308+00.00	LT	402823			182.3		RAMP IA_CFP	
308+00.00 to 309+00.00	LT	402809			276.0		RAMP IA_CFP	
392+99.12 to 392+99.12	RT	402718			137.8		RAMP IWBCD2	
394+99.12 to 394+99.12	RT	402687			197.9		RAMP IWBCD2	
395+99.12 to 395+99.12	RT	402674			285.6		RAMP IWBCD2	
396+99.12 to 396+99.12	RT	402659			373.4		RAMP IWBCD2	
396+99.12 to 396+99.12	RT	402644			461.1		RAMP IWBCD2	
397+99.12 to 397+99.12	RT	402629			548.9		RAMP IWBCD2	
399+99.12 to 399+99.12	RT	402610			636.7		RAMP IWBCD2	
400+00.00 to 401+00.99	RT	402591			720.7		RAMP IWBCD2	
401+00.49 to 402+02.27	RT	402552			836.0		RAMP IWBCD2	
402+00.85 to 403+03.70	RT	402516			924.2		RAMP IWBCD2	
403+01.32 to 404+05.14	RT	402451			975.9		RAMP IWBCD2	
404+01.91 to 405+04.93	RT	402322			961.9		RAMP IWBCD2	
405+02.68 to 406+04.11	RT	402258			942.9		RAMP IWBCD2	
405+05.68 to 406+01.66	LT	408881			88.3		RAMP IA_CFP	
406+01.10 to 407+02.09	LT	402797			136.5		RAMP IA_CFP	
406+02.86 to 407+03.91	RT	402240			933.5		RAMP IA_CFP	
407+01.48 to 408+02.45	LT	402788			182.3		RAMP IA_CFP	
407+02.58 to 408+03.63	RT	402220			979.7		RAMP IA_CFP	
408+01.22 to 409+03.36	RT	402172			1063.1		RAMP IWBCD2	
408+01.87 to 409+02.70	LT	402770			271.1		RAMP IA_CFP	
408+99.97 to 409+99.85	RT	402139			1130.2		RAMP IWBCD2	
499+00.00 to 500+00.00	RT	401026			657.7		SR 400 (EB I-4)	
500+00.00 to 501+00.00	RT	401034			566.8		SR 400 (EB I-4)	
501+00.00 to 502+00.00	RT	401041			454.5		SR 400 (EB I-4)	
502+00.00 to 503+00.00	RT	401048			347.5		RAMP IB_DCP	
502+09.79 to 502+09.79	LT	408491			494.0		SR 400 (EB I-4)	
503+00.00 to 504+00.00	RT	401074			291.0		RAMP IB_DCP	
503+15.28 to 514+61.41	LT	260493			2078.9		SR 400 (EB I-4)	
503+16.66 to 514+62.70	LT	258952			2028.6		SR 400 (EB I-4)	
504+00.00 to 505+00.00	RT	401435			258.4		RAMP IB_DCP	
505+00.00 to 506+00.00	RT	401454			262.2		RAMP IB_DCP	
506+00.00 to 507+00.00	RT	401461			203.9		RAMP IB_DCP	
507+00.00 to 508+00.00	RT	401468			188.6		RAMP IB_DCP	
507+72.68 to 507+72.68	LT	408110			7978.6		SR 400 (EB I-4)	
508+00.00 to 509+00.00	RT	401474			167.4		RAMP IB_DCP	
509+00.00 to 510+00.00	RT	401479			162.8		RAMP IB_DCP	
509+31.90 to 509+31.90	LT	407529			3459.4		RAMP IB_DCP	
510+00.00 to 511+00.00	RT	401485			173.7		RAMP IB_DCP	
510+87.06 to 510+87.06	LT	407251			1102.9		RAMP IB_DCP	
511+00.00 to 512+00.00	RT	401493			302.7		RAMP IB_DCP	
512+00.00 to 513+00.00	RT	401512			380.8		RAMP IB_DCP	
513+00.00 to 514+00.00	RT	401531			358.9		RAMP IB_DCP	
514+00.00 to 514+80.91	RT	401555			233.1		RAMP IB_DCP	
				SUB-TOTAL:	38245.4			
				TOTAL:	340272			

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-48

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF PERFORMANCE TURF

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD) 0570 1 2 SY P	PERFORMANCE TURF (SOD) 0570 1 2 SY F	DESIGN NOTES	CONSTRUCTION REMARKS
600+92.65 to 602+00.00	LT	294138			207.6		SR 400 (I-4)	
600+97.60 to 601+29.49	LT	262370			45.8		SR 400 (I-4)	
600+99.39 to 610+49.26	LT	294184			1594.0		SR 400 (I-4)	
601+07.27 to 604+32.00	LT	262220			1023.8		SR 400 (I-4)	
601+08.32 to 612+91.06	LT	261624			10651.3		SR 400 (EB I-4)	
601+08.93 to 612+91.57	LT	261145			1680.4		SR 400 (EB I-4)	
601+17.13 to 604+44.12	RT	262174			284.0		RAMP IC_DCP	
601+26.62 to 604+32.00	LT	262316			266.2		SR 400 (I-4)	
601+45.74 to 603+98.22	LT	262182			308.4		SR 400 (I-4)	
602+00.00 to 603+00.00	LT	294132			107.0		SR 400 (I-4)	
603+00.00 to 604+00.00	LT	294127			107.0		SR 400 (I-4)	
603+02.90 to 603+02.90	RT	293948			5999.5		RAMP IC_DCP	
604+00.00 to 605+00.00	LT	294118			236.3		SR 400 (I-4)	
605+00.00 to 606+00.00	LT	294110			313.5		SR 400 (I-4)	
605+00.00 to 606+00.00	RT	294079			280.8		RAMP IC_DCP	
606+00.00 to 607+01.11	LT	294105			315.3		SR 400 (I-4)	
606+00.00 to 607+01.11	RT	294085			486.4		RAMP IC_DCP	
607+01.11 to 608+02.81	RT	294095			686.7		SR 400 (I-4)	
607+01.11 to 608+02.81	LT	294100			191.4		SR 400 (I-4)	
608+02.81 to 609+05.21	LT	294216			97.6		SR 400 (I-4)	
608+02.81 to 609+05.21	RT	294210			947.2		RAMP IC_DCP	
609+05.21 to 610+07.37	LT	294250			96.1		SR 400 (I-4)	
609+05.21 to 610+07.37	RT	294233			764.2		RAMP IC_DCP	
609+46.78 to 617+01.40	RT	251698			2132.4		SR 400 (I-4) (POND C)	
610+07.37 to 611+08.34	RT	294368			859.6		RAMP IC_DCP	
610+07.37 to 611+08.34	LT	294268			188.2		SR 400 (I-4)	
611+08.34 to 612+05.80	RT	294281			885.0		RAMP IC_DCP	
611+08.34 to 612+05.80	LT	294288			189.2		SR 400 (I-4)	
612+05.80 to 613+07.47	LT	294322			194.5		SR 400 (I-4)	
612+05.80 to 613+07.47	RT	294340			943.8		RAMP IC_DCP	
612+84.32 to 613+11.70	LT	406437			73.4		SR 400 (I-4)	
613+05.48 to 613+05.48	RT	251721			4287.3		SR 400 (I-4) (POND C)	
613+07.47 to 614+08.68	RT	401574			943.7		RAMP IC_DCP	
613+07.47 to 614+11.89	LT	406622			526.0		SR 400 (I-4)	
614+08.68 to 615+10.10	RT	401727			22.9		RAMP IC_DCP	
614+08.68 to 615+10.10	RT	401734			919.6		RAMP IC_DCP	
614+59.54 to 614+59.54	LT	406575			441.6		SR 400 (I-4)	
615+10.10 to 616+11.83	RT	401747			926.3		RAMP IC_DCP	
615+10.10 to 616+11.83	RT	401754			23.0		RAMP IC_DCP	
615+10.10 to 616+13.35	LT	406694			355.9		SR 400 (I-4)	
616+11.83 to 616+90.80	RT	401759			17.5		RAMP IC_DCP	
616+11.83 to 616+90.80	RT	294948			693.6		RAMP IC_DCP	
616+11.83 to 616+91.79	LT	406755			205.0		SR 400 (I-4)	
616+90.80 to 617+90.56	LT	406820			175.7		SR 400 (I-4)	
617+40.56 to 617+40.56	RT	408535			884.2		RAMP IC_DCP	
617+90.29 to 618+90.82	RT	328849			866.6		RAMP IC_DCP	
617+90.29 to 618+90.82	RT	401793			22.7		RAMP IC_DCP	
618+61.53 to 618+61.53	LT	406914			171.4		SR 400 (I-4)	
SUB-TOTAL:					43639.6			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-49

SUMMARY OF PERFORMANCE TURF

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD) 0570 1 2 SY P	PERFORMANCE TURF (SOD) 0570 1 2 SY F	DESIGN NOTES	CONSTRUCTION REMARKS
700+92.71 to 702+09.01	RT	339150			822.1		RAMP D_DCP	
702+00.00 to 703+00.00	RT	339334			265.7		RAMP D_DCP	
702+07.72 to 703+08.87	RT	339341			149.0		RAMP ISLIP1	
703+00.00 to 704+00.00	RT	339368			264.6		RAMP D_DCP	
703+07.35 to 704+09.05	RT	339373			160.9		RAMP ISLIP1	
704+00.00 to 705+00.00	RT	339394			264.6		RAMP D_DCP	
704+07.45 to 705+08.63	RT	339399			107.4		RAMP ISLIP1	
704+19.04 to 704+19.04	RT	250964			3429.6		RAMP D_DCP (POND 140B2)	
704+24.30 to 704+24.30	RT	250929			1332.5		SR 400 (I-4) (POND 140B2)	
705+00.00 to 706+00.00	RT	339438			268.5		RAMP D_DCP	
705+07.99 to 706+07.92	RT	339449			55.4		RAMP ISLIP1	
706+00.00 to 707+00.00	RT	339488			264.9		RAMP D_DCP	
706+07.24 to 707+07.00	RT	339494			56.4		RAMP ISLIP1	
707+00.00 to 707+84.07	RT	339614			157.9		RAMP ISLIP1	
707+23.76 to 711+28.08	RT	263411			651.2		RAMP ISLIP1	
707+54.75 to 708+05.49	RT	339676			28.7		RAMP ISLIP1	
708+04.58 to 709+03.04	RT	404080			84.5		RAMP ISLIP1	
709+02.55 to 710+01.50	RT	404059			37.3		RAMP ISLIP1	
709+55.41 to 709+55.41	RT	403965			1290.6		RAMP D_DCP	
710+00.87 to 711+00.34	RT	404038			92.5		RAMP D_DCP	
711+00.00 to 711+51.26	RT	339804			48.5		RAMP ISLIP1	
1004+67.48 to 1004+67.48	RT	510336			2170.4		RAMP IWBDC2 (POND 142B)	
1011+21.82 to 1011+21.82	RT	251472			11879.8		RAMP IWBDC2 (POND 142B)	
1011+22.93 to 1011+22.93	RT	341161			4457.1		RAMP IWBDC2 (POND 142B)	
1011+82.03 to 1011+82.03	RT	510292			13140.5		RAMP IWBDC2 (POND 142B)	
5448+01.01 to 5448+01.01	RT	403779			953.4		RAMP D_DCP POND 140 B3	
5448+82.88 to 5448+82.88	RT	341354			270.9		RAMP D_DCP POND 140 B3	
5449+39.91 to 5449+39.91	RT	341378			74.3		RAMP D_DCP POND 140 B3	
5449+45.88 to 5449+45.88	RT	341385			63.6		RAMP D_DCP POND 140 B3	
5450+45.21 to 5450+45.21	RT	341390			55.2		RAMP D_DCP POND 140 B3	
5450+71.03 to 5450+71.03	RT	341349			239.6		RAMP D_DCP POND 140 B3	
5451+44.39 to 5451+44.39	RT	341413			152.1		RAMP D_DCP POND 140 B3	
5451+69.81 to 5451+69.81	RT	341344			426.1		RAMP D_DCP POND 140 B3	
5452+41.45 to 5452+41.45	RT	341395			205.7		RAMP D_DCP POND 140 B3	
5452+62.90 to 5452+62.90	RT	251382			6740.1		RAMP D_DCP (POND 140B3)	
5452+62.97 to 5452+62.97	RT	341272			3812.1		RAMP D_DCP (POND 140B3)	
5452+64.84 to 5452+64.84	RT	341510			583.7		RAMP D_DCP POND 140 B3	
5452+64.84 to 5452+64.84	RT	341338			628.1		RAMP D_DCP POND 140 B3	
5453+57.97 to 5453+57.97	LT/RT	341530			1300.8		RAMP D_DCP POND 140 B3	
5454+19.01 to 5454+19.01	RT	403748			251.8		RAMP D_DCP POND 140 B3	
5454+75.22 to 5454+75.22	LT/RT	341553			934.7		RAMP D_DCP POND 140 B3	
5454+89.30 to 5454+89.30	RT	403725			2082.5		RAMP D_DCP POND 140B3	
5455+26.52 to 5455+26.52	LT	347406			138.3		RAMP IWBDC2 (POND 141B2)	
5455+55.49 to 5455+55.49	LT/RT	347411			956.6		RAMP IWBDC2 (POND 141B2)	
5455+81.32 to 5455+81.32	RT	251283			1648.2		RAMP D_DCP (POND 140B3)	
5455+88.19 to 5455+88.19	LT/RT	341302			754.5		RAMP D_DCP POND 140 B3	
5456+46.41 to 5456+46.41	LT/RT	347418			1688.1		RAMP IWBDC2 (POND 141B2)	
5456+78.40 to 5456+78.40	RT	347451			1122.6		RAMP IWBDC2 POND 104 B3	
SUB-TOTAL:					66563.6			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-50

SUMMARY OF PERFORMANCE TURF

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD) 0570 1 2 SY P	PERFORMANCE TURF (SOD) 0570 1 2 SY F	DESIGN NOTES	CONSTRUCTION REMARKS
5457+33.06 to 5457+33.06	RT	403646			591.0		RAMP IWBCD2	
5457+76.69 to 5457+76.69	LT	347427			414.6		RAMP IWBDC2 (POND 141B1)	
5457+94.75 to 5493+70.48	LT/RT	346427			2074.1		PONDS IWBCD2	
5458+15.02 to 5458+15.02	RT	347460			984.5		RAMP IWBDC2 (POND 141B1)	
5458+30.20 to 5458+30.20	RT	408876			11.2		RAMP D_DCP	
5458+32.37 to 5458+32.37	RT	403632			605.4		RAMP IWBCD2	
5458+60.60 to 5458+60.60	RT	347470			1217.7		RAMP IWBDC2 (POND 141B1)	
5458+63.01 to 5458+63.01	LT	347434			281.3		RAMP IWBDC2 (POND 141B1)	
5459+31.89 to 5459+31.89	RT	403618			602.5		RAMP IWBCD2	
5459+33.13 to 5459+33.13	RT	347477			198.1		RAMP IWBDC2 (POND 141B1)	
5459+55.67 to 5459+55.67	LT	347387			2580.8		RAMP IWBDC2 (POND 141B1)	
5459+55.67 to 5459+55.67	LT	347341			4521.6		RAMP IWBDC2 (POND 141B1)	
5460+31.55 to 5460+31.55	RT	403604			617.4		RAMP IWBCD2	
5460+61.86 to 5460+61.86	LT	347440			777.8		RAMP IWBDC2 (POND 141B1)	
5460+95.16 to 5460+95.16	RT	347482			1147.5		RAMP IWBDC2 (POND 141B1)	
5461+25.29 to 5461+25.29	LT/RT	347488			3641.0		RAMP IWBDC2 (POND 141B1)	
5461+58.66 to 5461+58.66	LT	347445			435.9		RAMP IWBDC2 (POND 141B1)	
5461+66.97 to 5461+66.97	LT/RT	347500			1252.1		RAMP IWBDC2 (POND 141B2)	
5461+98.46 to 5493+70.32	LT/RT	347026			3935.4		PONDS IWBCD2	
5462+11.56 to 5462+11.56	RT	347509			219.1		RAMP IWBDC2 (POND 141B2)	
5462+11.56 to 5462+11.56	RT	403588			606.2		RAMP IWBCD2	
5462+20.88 to 5462+20.88	RT	347596			88.5		RAMP IWBDC2 (POND 141B2)	
5463+07.41 to 5463+07.41	RT	403576			464.6		RAMP IWBCD2	
5463+57.70 to 5463+57.70	RT	403563			584.3		RAMP IWBCD2	
5464+09.32 to 5464+09.32	RT	403548			570.5		RAMP IWBCD2	
5464+41.59 to 5464+41.59	LT	347521			64.5		RAMP IWBDC2 (POND 141B2)	
5464+59.44 to 5464+59.44	RT	347591			266.2		RAMP IWBDC2 (POND 141B2)	
5464+70.90 to 5464+70.90	RT	340308			3030.8		RAMP IWBDC2 (POND 141B2)	
5464+70.90 to 5464+70.90	RT	340281			5353.3		RAMP IWBDC2 (POND 141B2)	
5465+09.63 to 5465+09.63	RT	403535			564.2		RAMP IWBCD2	
5465+28.55 to 5465+28.55	LT/RT	347528			331.8		RAMP IWBDC2 (POND 141B2)	
5465+36.66 to 5465+36.66	LT/RT	347516			287.3		RAMP IWBDC2 (POND 141B2)	
5465+76.88 to 5465+76.88	RT	347585			421.0		RAMP IWBDC2 (POND 141B2)	
5466+09.95 to 5466+09.95	RT	403523			565.5		RAMP IWBCD2	
5466+28.40 to 5466+28.40	RT	347533			82.9		RAMP IWBDC2 (POND 141B2)	
5466+85.53 to 5466+85.53	RT	347580			336.6		RAMP IWBDC2 (POND 141B2)	
5467+10.28 to 5467+10.28	RT	403510			566.1		RAMP IWBCD2	
5468+00.04 to 5468+00.04	RT	347570			94.2		RAMP IWBDC2 (POND 141B2)	
5468+10.61 to 5468+10.61	RT	403488			2888.3		RAMP IWBCD2	
5468+20.97 to 5468+20.97	RT	347538			168.4		RAMP IWBDC2 (POND 141B2)	
5469+26.26 to 5469+26.26	RT	347542			2823.8		RAMP IWBDC2 (POND 141B2)	
5470+01.89 to 5470+01.89	RT	347551			1291.5		RAMP IWBDC2 (POND 141B3)	
5470+23.49 to 5470+23.49	RT	347564			307.5		RAMP IWBDC2 (POND 141B3)	
5471+17.66 to 5471+17.66	RT	347602			104.2		RAMP IWBDC2 (POND 141B3)	
5471+24.70 to 5471+24.70	RT	347852			27.5		RAMP IWBDC2 (POND 141B3)	
5472+17.91 to 5472+17.91	RT	347607			188.2		RAMP IWBDC2 (POND 141B3)	
5472+58.96 to 5472+58.96	RT	347848			39.4		RAMP IWBDC2 (POND 141B3)	
5473+17.06 to 5473+17.06	RT	403425			592.8		RAMP IWBCD2	
SUB-TOTAL:					48819.1			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-51

SUMMARY OF PERFORMANCE TURF

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD) 0570 1 2 SY P	PERFORMANCE TURF (SOD) 0570 1 2 SY F	DESIGN NOTES	CONSTRUCTION REMARKS
5473+17.53 to 5473+17.53	RT	347614			242.5		RAMP IWBDC2 (POND 141B3)	
5473+24.52 to 5473+24.52	RT	347841			260.7		RAMP IWBDC2 (POND 141B3)	
5474+12.87 to 5474+12.87	RT	403411			593.8		RAMP IWBCD2	
5474+16.91 to 5474+16.91	RT	347619			62.4		RAMP IWBDC2 (POND 141B3)	
5474+60.92 to 5474+60.92	RT	340508			3989.8		RAMP IWBDC2 (POND 141B3)	
5474+60.92 to 5474+60.92	RT	340713			7184.3		RAMP IWBDC2 (POND 141B3)	
5475+16.79 to 5475+16.79	RT	403396			595.6		RAMP IWBCD2	
5475+17.13 to 5475+17.13	RT	347625			44.7		RAMP IWBDC2 (POND 141B3)	
5475+24.59 to 5475+24.59	RT	347835			218.3		RAMP IWBDC2 (POND 141B3)	
5475+24.59 to 5475+24.59	RT	347831			15.1		RAMP IWBDC2 (POND 141B3)	
5476+16.74 to 5476+16.74	RT	403383			591.4		SR 400 (I-4)	
5476+17.94 to 5476+17.94	RT	347631			285.2		RAMP IWBDC2 (POND 141B3)	
5477+04.20 to 5477+04.20	RT	347827			4.3		RAMP IWBDC2 (POND 141B3)	
5477+11.31 to 5477+11.31	RT	403370			587.1		SR 400 (I-4)	
5477+24.02 to 5477+24.02	RT	347637			329.2		RAMP IWBDC2 (POND 141B3)	
5478+12.63 to 5478+12.63	RT	403357			582.9		RAMP IWBCD2	
5478+23.95 to 5478+23.95	RT	347821			155.8		RAMP IWBDC2 (POND 141B3)	
5478+23.95 to 5478+23.95	RT	347815			129.4		RAMP IWBDC2 (POND 141B3)	
5478+24.02 to 5478+24.02	RT	347643			117.6		RAMP IWBDC2 (POND 141B3)	
5479+23.94 to 5479+23.94	RT	347653			1976.8		RAMP IWBDC2 (POND 141B3)	
5479+24.00 to 5479+24.00	RT	347648			424.8		RAMP IWBDC2 (POND 141B3)	
5479+24.03 to 5479+24.03	RT	403344			578.7		RAMP IWBCD2	
5480+11.20 to 5480+11.20	RT	403331			574.5		RAMP IWBCD2	
5480+94.15 to 5480+94.15	RT	347663			1388.8		RAMP IWBDC2 (PNDFPC141)	
5481+11.17 to 5481+11.17	RT	403318			570.2		SR 400 (I-4)	
5481+23.95 to 5481+23.95	RT	347810			227.0		RAMP IWBDC2 (PNDFPC141)	
5482+23.95 to 5482+23.95	RT	347803			310.3		RAMP IWBDC2 (PNDFPC141)	
5482+24.03 to 5482+24.03	RT	403305			566.0		RAMP IWBCD2	
5482+24.03 to 5482+24.03	RT	347673			44.6		RAMP IWBDC2 (PNDFPC141)	
5482+61.52 to 5482+61.52	RT	251449			3476.2		RAMP IWBDC2 (POND FPC141)	
5482+61.52 to 5482+61.52	RT	340748			2036.3		RAMP IWBDC2 (POND FPC141)	
5483+24.03 to 5483+24.03	RT	403292			573.3		RAMP IWBCD2	
5483+24.03 to 5483+24.03	RT	347678			44.4		RAMP IWBDC2 (PNDFPC141)	
5484+13.10 to 5484+13.10	RT	347797			164.2		RAMP IWBDC2 (PNDFPC141)	
5484+24.02 to 5484+24.02	RT	347684			59.1		RAMP IWBDC2 (PNDFPC141)	
5484+24.03 to 5484+24.03	RT	403266			592.2		RAMP IWBCD2	
5485+12.42 to 5485+12.42	RT	403253			611.1		RAMP IWBCD2	
5485+23.98 to 5485+23.98	RT	347790			704.9		RAMP IWBDC2 (PND141B4)	
5485+24.01 to 5485+24.01	RT	347690			2013.9		RAMP IWBDC2 (PNDFPC141)	
5486+18.12 to 5486+18.12	RT	347702			165.8		RAMP IWBDC2 (PND141B4)	
5486+23.95 to 5487+23.94	RT	347785			124.9		RAMP IWBDC2 (PND141B4)	
5486+24.03 to 5487+12.43	RT	403240			622.5		RAMP IWBCD2	
5486+24.03 to 5487+24.03	RT	347709			139.8		RAMP IWBDC2 (PND141B4)	
5487+10.89 to 5488+11.93	RT	403227			640.6		RAMP IWBCD2	
5487+23.94 to 5488+23.61	RT	347778			252.4		RAMP IWBDC2 (PND141B4)	
5487+24.02 to 5488+23.92	RT	347715			286.7		RAMP IWBDC2 (PND141B4)	
5488+10.37 to 5489+06.19	RT	403214			661.4		RAMP IWBCD2	
5488+23.56 to 5489+21.86	RT	347772			236.6		RAMP IWBDC2 (PND141B4)	
SUB-TOTAL:					36058.1			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115 www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-52

SUMMARY OF PERFORMANCE TURF

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD) 0570 1 2 SY P	PERFORMANCE TURF (SOD) 0570 1 2 SY F	DESIGN NOTES	CONSTRUCTION REMARKS
5488+23.88 to 5489+22.08	RT	347721			446.5		RAMP IWBDC2 (PND141B4)	
5489+04.37 to 5489+99.53	RT	403202			674.0		RAMP IWBCD2	
5489+10.84 to 5489+10.84	RT	251597			5793.1		RAMP IWBDC2 (POND 141B4)	
5489+16.28 to 5489+16.28	RT	341138			3261.1		RAMP IWBDC2 (POND 141B4)	
5489+21.85 to 5490+20.16	RT	347766			182.3		RAMP IWBDC2 (PND141B4)	
5489+22.04 to 5490+20.23	RT	347727			507.2		RAMP IWBDC2 (PND141B4)	
5489+97.45 to 5490+92.76	RT	403188			689.7		RAMP IWBCD2	
5490+20.14 to 5491+18.43	RT	347761			493.7		RAMP IWBDC2 (PND141B4)	
5490+20.23 to 5491+18.39	RT	347734			120.1		RAMP IWBDC2 (PND141B4)	
5490+90.46 to 5491+85.86	RT	403174			674.8		RAMP IWBCD2	
5491+18.39 to 5492+16.56	RT	347739			195.4		RAMP IWBDC2 (PND141B4)	
5491+18.43 to 5491+74.33	RT	347756			85.5		RAMP IWBDC2 (PND141B4)	
5491+83.46 to 5492+78.86	RT	402864			640.2		RAMP IWBDC2 (PND141B4)	
5492+16.54 to 5493+15.01	RT	347744			1559.5		RAMP IWBDC2 (PND141B4)	
5492+76.38 to 5493+70.83	RT	402848			595.8		RAMP IWBCD2	
5493+14.68 to 5493+70.80	RT	347751			2088.6		RAMP IWBDC2 (PND141B4)	
7060+28.53 to 7062+13.99	LT/RT	404095			129.6		SR 400 (I-4)	
7062+13.32 to 7063+15.62	LT/RT	347861			181.7		SR 400 (I-4)	
7063+14.44 to 7064+16.90	LT/RT	347866			260.8		SR 400 (I-4)	
7064+15.14 to 7065+16.58	LT/RT	347871			328.9		SR 400 (I-4)	
7065+12.58 to 7066+16.32	LT/RT	347878			241.9		SR 400 (I-4)	
7066+14.36 to 7067+18.31	RT	347886			276.7		SR 400 (I-4)	
7067+16.11 to 7068+19.92	RT	347892			374.4		SR 400 (I-4)	
7068+18.19 to 7069+21.25	RT	347897			464.4		SR 400 (I-4)	
7069+20.52 to 7070+00.00	RT	347902			274.7		SR 400 (I-4)	
7069+27.50 to 7090+31.56	RT	406151			1609.8		SR 400 (I-4)	
7069+27.69 to 7090+31.61	RT	259718			2644.2		SR 400 (I-4)	
7069+28.02 to 7090+31.65	RT	259370			1695.3		SR 400 (I-4)	
7070+00.00 to 7071+00.00	RT	347910			390.6		SR 400 (I-4)	
7071+00.00 to 7072+00.00	RT	347915			455.6		SR 400 (I-4)	
7072+00.00 to 7073+00.00	RT	347920			512.7		SR 400 (I-4)	
7073+00.00 to 7074+00.00	RT	347926			562.0		SR 400 (I-4)	
7074+00.00 to 7075+00.00	RT	347932			603.5		SR 400 (I-4)	
7075+00.00 to 7080+00.00	RT	349096			3299.5		SR 400 (I-4)	
7080+00.00 to 7081+00.00	RT	347964			681.6		SR 400 (I-4)	
7081+00.00 to 7082+00.00	RT	347969			686.5		SR 400 (I-4)	
7082+00.00 to 7083+00.00	RT	347974			682.0		SR 400 (I-4)	
7083+00.00 to 7084+00.00	RT	347980			647.6		SR 400 (I-4)	
7084+00.00 to 7085+00.00	RT	347986			606.8		SR 400 (I-4)	
7085+00.00 to 7086+00.00	RT	347991			548.6		SR 400 (I-4)	
7086+00.00 to 7087+00.00	RT	347996			475.7		SR 400 (I-4)	
7087+00.00 to 7088+00.00	RT	348002			399.9		SR 400 (I-4)	
7088+00.00 to 7089+00.00	RT	348010			324.2		SR 400 (I-4)	
7089+00.00 to 7090+00.00	RT	348017			239.6		SR 400 (I-4)	
7090+00.00 to 7091+00.00	RT	406239			334.9		SR 400 (I-4)	
7090+99.97 to 7092+00.00	RT	406280			309.2		SR 400 (I-4)	
7091+99.97 to 7093+00.00	RT	406318			284.7		SR 400 (I-4)	
7092+99.98 to 7094+00.00	RT	406353			169.0		SR 400 (I-4)	
SUB-TOTAL:					38704.1			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-53

SUMMARY OF PERFORMANCE TURF

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD) 0570 1 2 SY P	PERFORMANCE TURF (SOD) 0570 1 2 SY F	DESIGN NOTES	CONSTRUCTION REMARKS
7093+99.99 to 7094+90.66	RT	406418			60.3		SR 400 (I-4)	
563+99.96 R4 to 584+00.00 R4	LT	254752			2305.9		SR 400 (I-4)	
563+99.99 R4 to 584+00.00 R4	LT/RT	254745			3392.2		SR 400 (I-4)	
564+00.00 R4 to 584+00.00 R4	RT	255419			2588.0		SR 400 (I-4)	
575+90.51 R4 to 575+90.51 R4	RT	400777			7784.8		SR 400 (I-4)	
619+59.74 R4 to 620+00.00 R4	RT	399413			274.4		SR 400 (EB I-4)	
620+00.00 R4 to 621+00.00 R4	RT	399443			598.5		SR 400 (EB I-4)	
621+00.00 R4 to 622+00.00 R4	RT	400848			558.3		SR 400 (EB I-4)	
622+00.00 R4 to 623+00.00 R4	RT	400862			517.0		SR 400 (EB I-4)	
623+00.00 R4 to 624+00.00 R4	RT	400875			699.5		SR 400 (EB I-4)	
624+00.00 R4 to 625+00.00 R4	RT	400889			839.2		SR 400 (EB I-4)	
625+00.00 R4 to 625+98.80 R4	RT	400901			818.1		SR 400 (EB I-4)	
625+93.52 R4 to 626+52.24 R4	RT	401003			454.7		SR 400 (EB I-4)	
626+46.96 R4 to 627+52.02 R4	RT	401010			816.9		SR 400 (EB I-4)	
627+47.20 R4 to 628+51.77 R4	RT	401019			750.6		SR 400 (EB I-4)	
629+77.02 R4 to 634+79.49 R4	LT/RT	256952			619.5		SR 400 (EB I-4)	
629+77.02 R4 to 634+79.49 R4	LT/RT	256958			747.6		SR 400 (EB I-4)	
629+77.02 R4 to 634+79.49 R4	RT	257086			737.1		SR 400 (EB I-4)	
633+81.12 R4 to 634+44.74 R4	LT	262777			12.9		SR 400 (I-4)	
633+81.13 R4 to 638+41.67 R4	LT	257191			1991.0		SR 400 (I-4)	
633+81.29 R4 to 638+41.99 R4	LT	257247			573.5		SR 400 (I-4)	
634+44.74 R4 to 638+41.27 R4	LT	262742			638.7		SR 400 (I-4)	
634+59.46 R4 to 635+61.24 R4	LT	348825			628.8		SR 400 (I-4)	
635+61.24 R4 to 636+62.80 R4	LT	348819			638.1		SR 400 (I-4)	
636+62.80 R4 to 637+61.54 R4	LT	348814			726.8		SR 400 (I-4)	
637+61.45 R4 to 638+60.05 R4	LT	348748			1059.1		SR 400 (I-4)	
638+60.05 R4 to 639+57.78 R4	LT	348740			846.7		SR 400 (I-4)	
638+60.05 R4 to 639+57.78 R4	LT	348763			182.6		SR 400 (I-4)	
639+57.78 R4 to 640+54.99 R4	LT	348769			137.2		SR 400 (I-4)	
639+57.78 R4 to 640+54.99 R4	LT	348735			870.4		SR 400 (I-4)	
640+54.99 R4 to 641+52.54 R4	LT	348775			137.6		SR 400 (I-4)	
640+54.99 R4 to 641+52.54 R4	LT	348729			830.4		SR 400 (I-4)	
641+23.73 R4 to 641+23.73 R4	LT	250864			4120.2		SR 400 (I-4) (POND 140B1)	
641+35.78 R4 to 641+35.78 R4	LT	250741			2093.5		SR 400 (I-4) (POND 140B1)	
641+52.54 R4 to 642+52.87 R4	LT	348780			139.9		SR 400 (I-4)	
641+52.54 R4 to 642+52.87 R4	LT	348723			886.7		SR 400 (I-4)	
642+52.87 R4 to 643+53.21 R4	LT	348785			140.0		SR 400 (I-4)	
642+52.87 R4 to 643+53.21 R4	LT	348716			958.0		SR 400 (I-4)	
643+53.21 R4 to 644+11.66 R4	LT	348790			181.8		SR 400 (I-4)	
643+53.21 R4 to 644+11.73 R4	LT	349053			868.2		SR 400 (I-4)	
663+75.16 R4 to 664+73.84 R4	RT	401812			11.0		RAMP IC_DCP	
663+75.23 R4 to 664+79.02 R4	RT	328938			883.5		SR 400 (I-4)	
664+73.78 R4 to 665+72.62 R4	RT	401822			11.0		SR 400 (I-4)	
664+73.84 R4 to 665+77.02 R4	RT	329008			918.2		SR 400 (I-4)	
665+72.62 R4 to 666+75.08 R4	RT	329119			969.1		SR 400 (I-4)	
666+22.05 R4 to 666+22.05 R4	RT	401841			11.1		SR 400 (I-4)	
666+71.49 R4 to 667+70.54 R4	RT	401850			11.2		SR 400 (I-4)	
666+71.53 R4 to 667+73.11 R4	RT	329290			1020.8		SR 400 (I-4)	
				SUB-TOTAL:	47060.6			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL, 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-54

SUMMARY OF PERFORMANCE TURF

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD) 0570 1 2 SY P	PERFORMANCE TURF (SOD) 0570 1 2 SY F	DESIGN NOTES	CONSTRUCTION REMARKS
667+70.51 R4 to 668+69.61 R4	RT	401859			11.2		SR 400 (I-4)	
667+70.54 R4 to 668+71.11 R4	RT	329486			1050.8		SR 400 (I-4)	
668+69.60 R4 to 669+68.73 R4	RT	401865			11.4		SR 400 (I-4)	
668+69.61 R4 to 669+69.09 R4	RT	329764			1085.8		SR 400 (I-4)	
669+68.73 R4 to 671+68.21 R4	RT	331486			303.8		SR 400 (I-4)	
669+68.76 R4 to 670+68.23 R4	RT	488380			950.2		SR 400 (I-4)	
670+68.23 R4 to 671+68.21 R4	RT	331524			55.5		SR 400 (I-4)	
670+68.23 R4 to 671+68.23 R4	RT	331591			877.1		SR 400 (I-4)	
670+68.23 R4 to 672+68.23 R4	RT	331610			213.8		SR 400 (I-4)	
671+68.21 R4 to 672+68.23 R4	RT	331672			879.1		SR 400 (I-4)	
671+68.23 R4 to 671+81.76 R4	RT	401877			1.5		SR 400 (I-4)	
671+68.23 R4 to 672+68.32 R4	RT	331671			55.6		SR 400 (I-4)	
671+81.76 R4 to 672+68.23 R4	RT	401884			19.5		SR 400 (I-4)	
672+68.23 R4 to 673+68.23 R4	RT	331698			55.5		SR 400 (I-4)	
672+68.23 R4 to 673+68.23 R4	RT	331747			866.9		SR 400 (I-4)	
672+68.23 R4 to 673+68.23 R4	RT	331680			220.0		SR 400 (I-4)	
672+68.23 R4 to 673+68.23 R4	RT	401898			22.5		SR 400 (I-4)	
673+68.23 R4 to 674+68.24 R4	RT	401920			22.5		SR 400 (I-4)	
673+68.23 R4 to 674+68.24 R4	RT	331435			128.9		SR 400 (I-4)	
673+68.23 R4 to 674+68.24 R4	RT	331763			765.6		SR 400 (I-4)	
673+68.23 R4 to 674+68.24 R4	RT	331417			245.8		SR 400 (I-4)	
674+68.24 R4 to 675+68.24 R4	RT	401937			22.5		SR 400 (I-4)	
674+68.24 R4 to 675+68.24 R4	RT	331852			362.6		SR 400 (I-4)	
674+68.24 R4 to 675+68.24 R4	RT	332044			509.0		SR 400 (I-4)	
675+18.54 R4 to 675+18.54 R4	RT	332001			261.5		SR 400 (I-4)	
675+68.24 R4 to 676+68.24 R4	RT	332136			470.1		SR 400 (I-4)	
675+68.24 R4 to 676+68.24 R4	RT	332161			477.0		SR 400 (I-4)	
675+68.24 R4 to 676+68.24 R4	RT	401953			22.5		SR 400 (I-4)	
675+68.24 R4 to 676+68.24 R4	RT	332065			185.4		SR 400 (I-4)	
676+68.24 R4 to 677+68.24 R4	RT	333330			268.8		SR 400 (I-4)	
676+68.24 R4 to 677+68.24 R4	RT	401959			22.5		SR 400 (I-4)	
676+68.24 R4 to 677+68.25 R4	RT	333366			852.2		SR 400 (I-4)	
677+68.24 R4 to 678+68.24 R4	RT	333826			257.5		SR 400 (I-4)	
677+68.24 R4 to 678+68.24 R4	RT	333780			300.5		SR 400 (I-4)	
677+68.24 R4 to 678+68.24 R4	RT	401964			22.5		SR 400 (I-4)	
677+68.24 R4 to 678+68.24 R4	RT	333789			581.4		SR 400 (I-4)	
678+68.24 R4 to 679+68.24 R4	RT	333831			71.3		SR 400 (I-4)	
678+68.24 R4 to 679+68.24 R4	RT	333890			808.3		SR 400 (I-4)	
678+68.24 R4 to 679+68.24 R4	RT	401969			22.5		SR 400 (I-4)	
678+68.24 R4 to 679+68.24 R4	RT	333864			268.8		SR 400 (I-4)	
679+68.24 R4 to 680+68.24 R4	RT	333907			225.9		SR 400 (I-4)	
679+68.24 R4 to 680+68.24 R4	RT	401975			22.5		SR 400 (I-4)	
679+68.24 R4 to 680+68.24 R4	RT	333970			869.7		SR 400 (I-4)	
679+68.24 R4 to 680+68.24 R4	RT	333920			55.6		SR 400 (I-4)	
680+68.24 R4 to 681+68.24 R4	RT	488355			55.6		SR 400 (I-4)	
680+68.24 R4 to 681+68.24 R4	RT	333987			171.8		SR 400 (I-4)	
680+68.24 R4 to 681+68.24 R4	RT	401982			22.5		SR 400 (I-4)	
680+68.24 R4 to 681+68.24 R4	RT	334042			926.4		SR 400 (I-4)	
SUB-TOTAL:					15979.9			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL, 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-55

SUMMARY OF PERFORMANCE TURF

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD) 0570 1 2 SY P	PERFORMANCE TURF (SOD) 0570 1 2 SY F	DESIGN NOTES	CONSTRUCTION REMARKS
681+68.24 R4 to 682+68.24 R4	RT	401988			22.5		SR 400 (I-4)	
681+68.24 R4 to 682+68.24 R4	RT	334080			55.6		SR 400 (I-4)	
681+68.24 R4 to 682+68.24 R4	RT	334098			132.0		SR 400 (I-4)	
681+68.24 R4 to 682+68.24 R4	RT	334103			968.5		SR 400 (I-4)	
682+68.24 R4 to 683+68.24 R4	RT	334258			54.5		SR 400 (I-4)	
682+68.24 R4 to 683+68.24 R4	RT	401994			22.5		SR 400 (I-4)	
682+68.24 R4 to 683+68.24 R4	RT	334282			991.2		SR 400 (I-4)	
682+68.24 R4 to 683+68.24 R4	RT	334207			112.4		SR 400 (I-4)	
683+68.24 R4 to 684+68.24 R4	RT	402000			22.5		SR 400 (I-4)	
683+68.24 R4 to 684+68.24 R4	RT	334347			999.2		SR 400 (I-4)	
683+68.24 R4 to 684+68.24 R4	RT	334319			55.6		SR 400 (I-4)	
683+68.24 R4 to 684+68.24 R4	RT	334289			105.1		SR 400 (I-4)	
684+68.24 R4 to 685+68.24 R4	RT	334624			358.9		SR 400 (I-4)	
684+68.24 R4 to 685+68.24 R4	RT	402014			22.2		SR 400 (I-4)	
684+68.24 R4 to 685+68.24 R4	RT	334646			55.4		SR 400 (I-4)	
684+68.24 R4 to 685+68.24 R4	RT	334440			625.5		SR 400 (I-4)	
684+68.24 R4 to 685+68.24 R4	RT	334680			91.7		SR 400 (I-4)	
685+68.24 R4 to 686+10.95 R4	RT	402020			9.6		SR 400 (I-4)	
685+68.24 R4 to 686+10.95 R4	RT	334773			444.0		SR 400 (I-4)	
685+68.24 R4 to 686+10.95 R4	RT	334748			23.7		SR 400 (I-4)	
685+68.24 R4 to 686+10.95 R4	RT	334755			29.1		SR 400 (I-4)	
SUB-TOTAL:					5201.7			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

Michael Scott Phillips, P.E.
P.E. License No. 61806
AECOM TECHNICAL SERVICES, Inc.
150 N. Orange Avenue, Suite 200
Orlando, FL. 32801
T 407.843.6552 F 407.839.1789
Certificate of Authorization No. 8115
www.aecom.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-56