

**COMPONENTS OF CONTRACT PLANS SET**

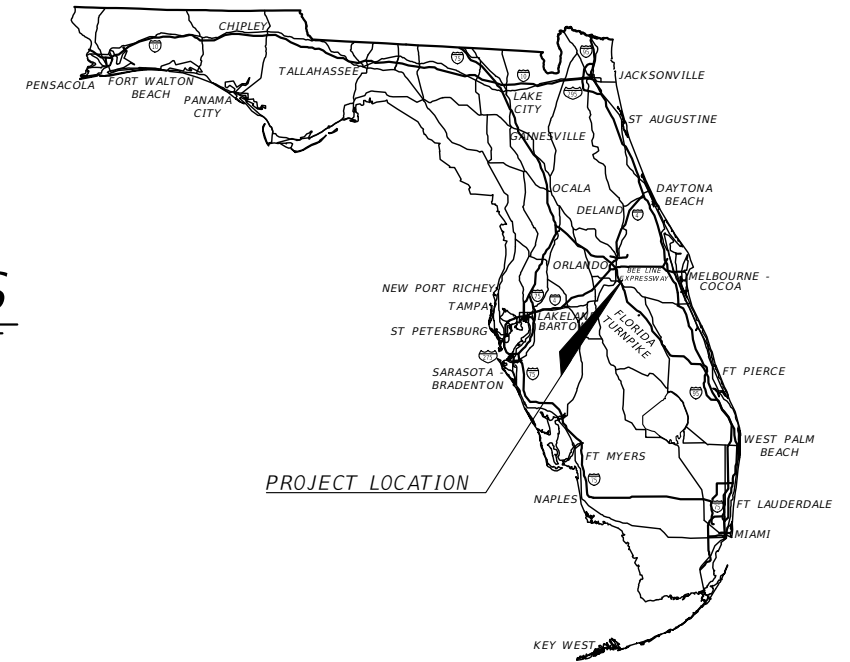
- ROADWAY PLANS (CAPACITY IMPROVEMENTS)
- ROADWAY PLANS (SAFETY IMPROVEMENTS)
- SIGNING AND PAVEMENT MARKING PLANS
- SIGNALIZATION PLANS
- ITS PLANS
- LIGHTING PLANS
- INDEX OF ROADWAY PLANS



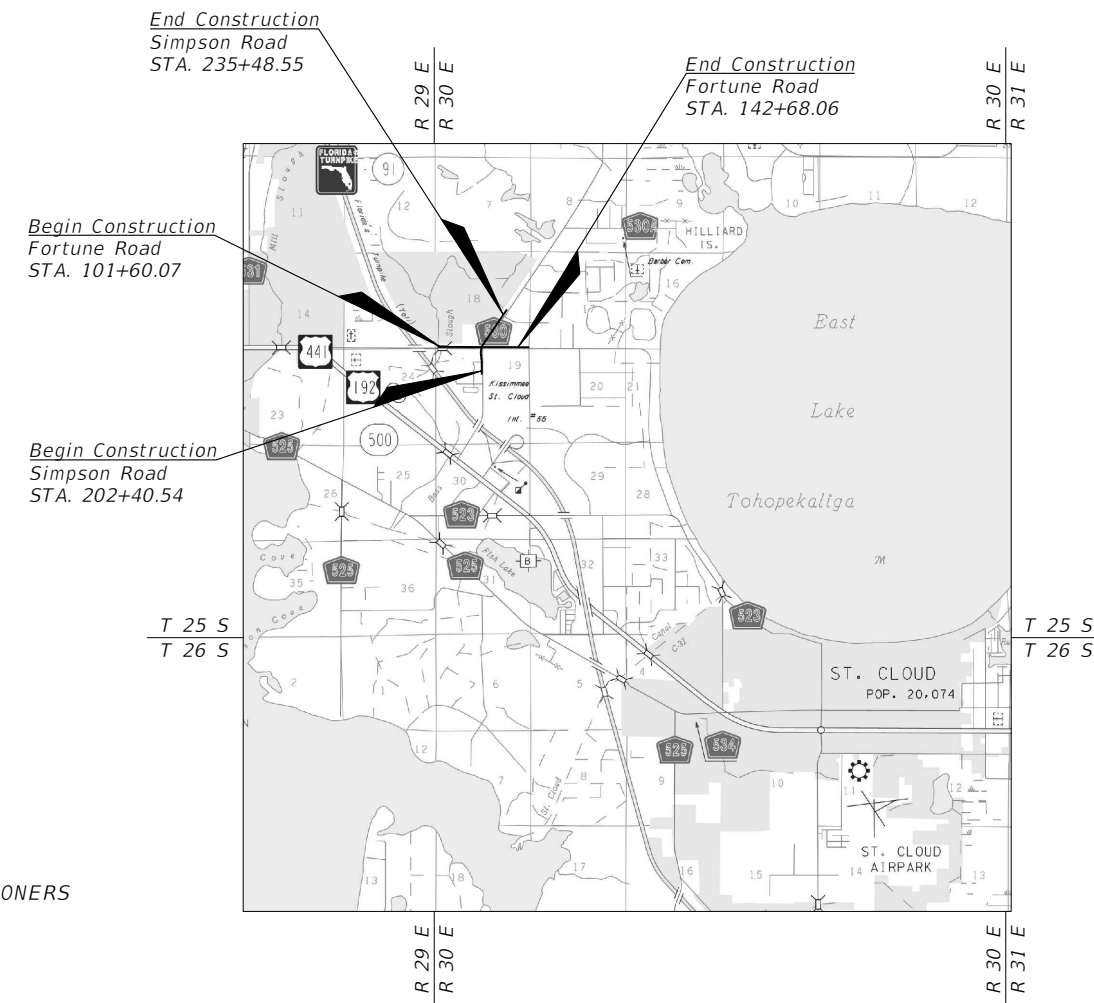
**OSCEOLA COUNTY, FLORIDA  
TRANSPORTATION AND TRANSIT**

**CONTRACT PLANS  
FORTUNE RD AND SIMPSON RD  
INTERSECTION IMPROVEMENT PLANS**

**FPID: 443548-1-58-01  
FAN: D522-081-B  
SAFETY IMPROVEMENTS**



SHEET NO.	SHEET DESCRIPTION
1	KEYSHEET
2	SIGNATURE SHEET
3	SUMMARY OF PAY ITEMS
4	DRAINAGE MAP
5 - 9	TYPICAL SECTION SHEETS 1-5
10 - 13	SUMMARY OF DRAINAGE STRUCTURE SHEETS 1-4
14	SIMPSON ROAD PROJECT LAYOUT
15	FORTUNE ROAD PROJECT LAYOUT
16	GENERAL NOTES
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28 - 32	SIMPSON RD PROFILE SHEETS 1-5
33 - 39	FORTUNE RD PROFILE SHEETS 1-7
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41 - 68	SIMPSON RD DRAINAGE STRUCTURE SECTIONS SHEETS 1-28
69 - 90	FORTUNE RD DRAINAGE STRUCTURE SECTIONS SHEETS 1-22
91	POND 3 DRAINAGE STRUCTURE SECTIONS
92	POND 3 DETAIL SHEET
93	POND 3 CONTROL STRUCTURE DETAIL
94	POND 3 OUTFALL PIPE PLAN AND PROFILE
95 - 97	POND CROSS SECTIONS SHEETS 1-3
98	DRAINAGE DETAIL SHEET
99	ROADWAY SOIL SURVEY
100	SPT BORING RESULTS FOR GRAVITY WALLS
101	SIMPSON RD EARTHWORK TABULATION SHEET
102 - 119	SIMPSON RD CROSS SECTION SHEETS 1-18
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121 - 140	FORTUNE RD CROSS SECTION SHEETS 1-20
141 - 142	STORMWATER POLLUTION PREVENTION PLANS 1-2
143 - 147	SIMPSON RD UTILITY ADJUSTMENT SHEETS 1-5
148 - 153	FORTUNE RD UTILITY ADJUSTMENT SHEETS 1-6
154	TRAFFIC CONTROL PLAN GENERAL NOTES
155 - 159	TRAFFIC CONTROL PLAN SIMPSON RD PHASE I SHEETS 1-5
160 - 165	TRAFFIC CONTROL PLAN FORTUNE RD PHASE I SHEETS 1-6
166 - 170	TRAFFIC CONTROL PLAN SIMPSON RD PHASE II SHEETS 1-5
171 - 176	TRAFFIC CONTROL PLAN FORTUNE RD PHASE II SHEETS 1-6
177 - 181	TRAFFIC CONTROL PLAN SIMPSON RD PHASE III SHEETS 1-5
182 - 187	TRAFFIC CONTROL PLAN FORTUNE RD PHASE III SHEETS 1-6
188 - 191	TRAFFIC CONTROL TYPICAL SECTION SIMPSON ROAD SHEETS 1-4
192 - 195	TRAFFIC CONTROL TYPICAL SECTION FORTUNE ROAD SHEETS 1-4



SHOP DRAWINGS TO BE SUBMITTED TO:

MARK F. BERTONCINI, P.E.  
VANASSE HANGEN BRUSTLIN, INC.  
225 E. ROBINSON STREET, SUITE 300  
ORLANDO, FL 32801

PLANS PREPARED BY:

Engineers | Scientists  
Planners | Designers  
225 E. Robinson Street, Suite 300  
Orlando, FL 32801 (407)839-4006  
Certificate of Authorization # 3932

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

ROADWAY PLANS  
PROFESSIONAL OF RECORD: MARK F. BERTONCINI, P.E.

P.E. NO.: 63437

DRAINAGE PLANS  
PROFESSIONAL OF RECORD: PAUL W. YEARGAIN, P.E.

P.E. NO.: 50682

**OSCEOLA COUNTY TRANSPORTATION AND TRANSIT**

BRANDON ARRINGTON CHAIRMAN OF THE BOARD OF COUNTY COMMISSIONERS  
VIVIANA JANER VICE CHAIRWOMAN OF THE BOARD OF COUNTY COMMISSIONERS  
PEGGY CHOUNDHRY COUNTY COMMISSIONER  
RICKY BOOTH COUNTY COMMISSIONER  
CHERYL GRIEB COUNTY COMMISSIONER  
DON FISHER COUNTY MANAGER  
TAWNY H OLORE, P.E. DIRECTOR OF TRANSPORTATION AND TRANSIT

GOVERNING STANDARD PLANS:  
Florida Department of Transportation, FY2022-23 Standard 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.shtm>

APPLICABLE IRs: IR536-001-01, IR521-001-01

Standard Plans for Bridge Construction are included in the Structures Plans Component.

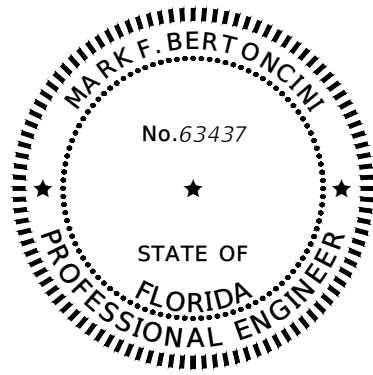
GOVERNING STANDARD SPECIFICATIONS:  
Florida Department of Transportation, July, 2022 Standard Specifications for Road and Bridge Construction at the following website:  
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

**FINAL PLANSET  
DATE: December 20, 2022**

OSCEOLA COUNTY PROJECT MANAGER: STEVEN KANE, P.E.

FISCAL YEAR	SHEET NO.
23	1

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



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

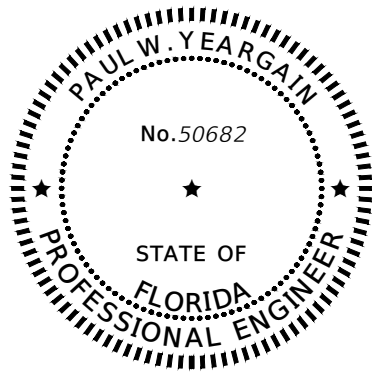
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VANASSE HANGEN BRUSTLIN, INC.  
225 E. ROBINSON STREET, SUITE 300  
ORLANDO, FL 32801  
CERTIFICATE OF AUTHORIZATION: 3932  
MARK F. BERTONCINI, P.E. NO. 63437

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

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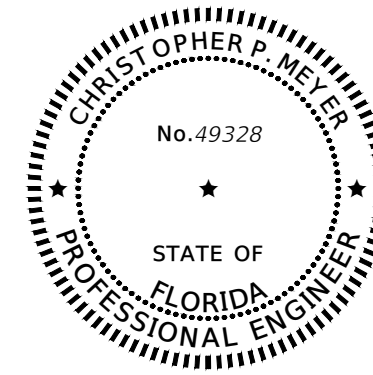
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VANASSE HANGEN BRUSTLIN, INC.  
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ORLANDO, FL 32801  
CERTIFICATE OF AUTHORIZATION: 3932  
PAUL W. YEARGAIN, P.E. NO. 50682

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

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THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

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GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.  
2510 MICHIGAN AVENUE, SUITE D  
KISSIMMEE, FL 34744-1933  
CERTIFICATE OF AUTHORIZATION: 5882  
CHRISTOPHER P. MEYER, P.E. NO. 49328

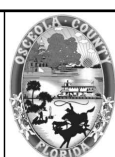
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineers | Scientists  
Planners | Designers  
225 E. Robinson Street, Suite 300  
Orlando, FL 32801 (407)839-4006  
Certificate of Authorization # 3932  
Mark F. Bertoncini, P.E.  
PE # 63437



OSCEOLA COUNTY  
FLORIDA

SIGNATURE SHEET

SHEET NO.  
2

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

FDOT PAY ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QTY	SAFETY IMPROVEMENTS QTY	CAPACITY IMPROVEMENTS QTY
0101 1	MOBILIZATION	LS	1	0.70	0.30
0102 1	MAINTENANCE OF TRAFFIC	LS	1	0.70	0.30
0102104	TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION	ED	688	688	0
0102 60	WORK ZONE SIGN	ED	11,694	11,694	0
0102 74 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	177,128	177,128	0
0102 76	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	1,376	1,376	0
0102107 1	TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION	ED	688	688	0
0104 10 3	SEDIMENT BARRIER	LF	13,787	13,787	0
0104 15	SOIL TRACKING PREVENTION DEVICE	EA	1	1	0
0104 18	INLET PROTECTION SYSTEM	EA	98	98	0
0107 1	LITTER REMOVAL	AC	298.08	0.00	298.08
0107 2	MOWING	AC	298.08	0.00	298.08
0110 1 1	CLEARING & GRUBBING	AC	11.46	11.46	0.00
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	4,048	4,048	0
0120 1	REGULAR EXCAVATION	CY	43,701.6	13,561.8	30,139.8
0120 6	EMBANKMENT	CY	7,593.4	5,313.3	2,280.1
0160 4	TYPE B STABILIZATION	SY	35,750	19,761	15,989
0285711	OPTIONAL BASE, BASE GROUP 11	SY	32,445	19,281	13,164
0327 70 2	MILLING EXISTING ASPHALT PAVEMENT, 3 1/2" AVG DEPTH	SY	17,798	17,798	0
0334 1 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	11,476.5	10,124.3	1,352.2
0337 7 83	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	TN	3,263.2	2,812.5	450.7
0400 0 11	CONCRETE CLASS NS, GRAVITY WALL INDEX 400-011	CY	520.7	0.0	520.7
0400 1 2	CONCRETE CLASS I, ENDWALLS	CY	2.3	0.0	2.3
0425 1203	INLETS, CURB, TYPE 9, J BOT, <10'	EA	3	3	0
0425 1204	INLETS, CURB, TYPE 9, J BOT, >10'	EA	1	1	0
0425 1351	INLETS, CURB, TYPE P-5, <10'	EA	29	23	6
0425 1361	INLETS, CURB, TYPE P-6, <10'	EA	14	7	7
0425 1451	INLETS, CURB, TYPE J-5, <10'	EA	13	9	4
0425 1452	INLETS, CURB, TYPE J-5, >10'	EA	2	2	0
0425 1461	INLETS, CURB, TYPE J-6, <10'	EA	4	4	0
0425 1462	INLETS, CURB, TYPE J-6, >10'	EA	1	0	1
0425 1471	INLETS, CURB, TYPE 7, <10'	EA	15	15	0
0425 1521	INLETS, DT BOT, TYPE C, <10'	EA	1	1	0
0425 1531	INLETS, DITCH BOTTOM, TYPE C MODIFIED- BACK OF SIDEWALK, <10'	EA	8	0	8
0425 1541	INLETS, DT BOT, TYPE D, <10'	EA	1	1	0
0425 1561	INLETS, DT BOT, TYPE F, <10'	EA	1	0	1
0425 1563	INLETS, DITCH BOTTOM, TYPE F, J BOT, <10'	EA	2	2	0
0425 1711	INLETS, GUTTER, TYPE V, <10'	EA	2	2	0
0425 2 41	MANHOLES, P-7, <10'	EA	13	12	1
0425 2 43	MANHOLES, P-7, PARTIAL	EA	4	4	0
0425 2 71	MANHOLES, J-7, <10'	EA	10	7	3
0425 2 72	MANHOLES, J-7, >10'	EA	1	0	1
0425 2 75	MANHOLES, J-7, >10' CONTROL STRUCTURE	EA	1	0	1
0425 3 41	JUNCTION BOX, DRAINAGE, P-7, <10'	EA	7	0	7
0430175115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15'S/CD	LF	25	21	4
0430175118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18'S/CD	LF	4,101	2,279	1,822
0430175124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24'S/CD	LF	1,886	1,394	492
0430175130	PIPE CULVERT, OPT MATERIAL, ROUND, 30'S/CD	LF	1,794	797	997
0430175136	PIPE CULVERT, OPT MATERIAL, ROUND, 36'S/CD	LF	1,589	429	1,160
0430175142	PIPE CULVERT, OPT MATERIAL, ROUND, 42'S/CD	LF	386	264	122
0430175148	PIPE CULVERT, OPT MATERIAL, ROUND, 48'S/CD	LF	91	91	0
0430175154	PIPE CULVERT, OPT MATERIAL, ROUND, 54'S/CD	LF	662	662	0
0430175160	PIPE CULVERT, OPT MATERIAL, ROUND, 60'S/CD	LF	649	0	649
0430175215	PIPE CULVERT, OPTIONAL MATERIAL, OTHER-ELIP/ARCH, 15'S/CD	LF	11	0	11
0430175218	PIPE CULVERT, OPTIONAL MATERIAL, OTHER-ELIP/ARCH, 18'S/CD	LF	593	593	0
0430175224	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE-ELIP/ARCH, 24'S/CD	LF	855	855	0
0430175230	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 30'S/CD	LF	1,373	1,373	0
0430175236	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 36'S/CD	LF	471	471	0
0430175242	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 42'S/CD	LF	211	211	0
0430984143	MITERED END SECTION, OPTIONAL ROUND, 60" SD	EA	1	0	1
0430984625	MITERED END SECT, OPTIONAL - ELLIPTICAL / ARCH, 18" SD	EA	1	1	0
0430984633	MITERED END SECT, OPTIONAL /ELLIP/ARCH, 30" SD	EA	1	1	0
0440 1 10	UNDERDRAIN, TYPE I	LF	4	4	0
0520 1 7	CONCRETE CURB & GUTTER, TYPE E	LF	5,940	5,940	0
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	11,390	6,230	5,160
0520 2 4	CONCRETE CURB, TYPE D	LF	300	300	0
0515 1 2	PIPE HANDRAIL - GUIDERAIL, ALUMINUM	LF	1,784	0	1,784
0520 5 11	TRAFFIC SEPARATOR CONCRETE-TYPE 1, 4" WIDE	LF	2,055	2,055	0
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	8,557	4,251	4,306
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	581	481	100
0524 1 2	CONCRETE DITCH PAVEMENT, NON REINFORCED, 4"	SY	2	0	2
0527 2	DETECTABLE WARNINGS	SF	1,320	788	532
0570 1 2	PERFORMANCE TURF, SOD	SY	21,687	10,242	11,445
0591 1200	IRRIGATION SLEEVE, 2" DIAMETER	LF	328	0	328
0591 1400	IRRIGATION SLEEVE, 4" DIAMETER	LF	33	0	33
0591 1600	IRRIGATION SLEEVE, 6" DIAMETER	LF	328	0	328
0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	3,230	3,230	0
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	6,554	6,554	0
0632 7 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1	1	0
0633 1121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2-12 FIBERS	LF	10	10	0
0633 1123	FIBER OPTIC CABLE, F&I, UNDERGROUND, 49-96 FIBERS	LF	13,632	13,632	0
0633 1620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF	5,430	5,430	0
0633 2 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	194	194	0

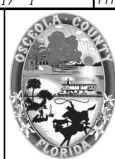
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0633 2 32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA	12	12	0
0633 3 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	7	7	0
0633 3 14	FIBER OPTIC CONNECTION HARDWARE, F&I, BUFFER TUBE FAN OUT KIT	EA	1	1	0
0633 3 15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	1	1	0
0633 3 51	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY SPLICE ENCLOSURE	EA	1	1	0
0633 8 1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	55	55	0
0635 2 11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	17	17	0
0635 2 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	10	10	0
0635 2 13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	4	4	0
0639 1122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1	1	0
0639 2 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	144	144	0
0639 3 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	1	1	0
0641 2 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	2	2	0
0641 2 60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- PEDESTAL/SERVICE POLE	EA	2	2	0
0641 2 70	PRESTRESSED CONCRETE POLE, SHALLOW POLE REMOVAL- POLE 30" AND GREATER	EA	2	2	0
0646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	4	4	0
0646 1 12	ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTRIAN DETECTOR POST	EA	4	4	0
0646 1 60	ALUMINUM SIGNALS POLE, REMOVE	EA	1	1	0
0649 21 15	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70"	EA	4	4	0
0649 21 21	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 78"	EA	1	1	0
0649 38 1	MAST ARM, PAINTING EXISTING MAST ARM ASSEMBLY	EA	5	0	5
0650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	28	28	0
0653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	8	8	0
0660 3 11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	EA	1	1	0
0660 3 12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	4	4	0
0660 6121	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, CABINET EQUIPMENT	EA	1	1	0
0660 6122	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	1	1	0
0663 1121	SIGNAL PRIORITY AND PREEMPTION SYSTEM, FURNISH AND INSTALL, GPS, REPLACE CABINET ELECTRONICS	EA	1	1	0
0663 1122	SIGNAL PRIORITY AND PREEMPTION SYSTEM, FURNISH AND INSTALL, GPS, DETECTOR	EA	1	1	0
0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	8	8	0
0670 5111	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 1 PREEMPTION	AS	1	1	0
0670 5600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	1	1	0
0682 1113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	EA	1	1	0
0684 1 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	2	2	0
0684 1 6	MANAGED FIELD ETHERNET SWITCH, REMOVE- CABINET TO REMAIN	EA	1	1	0
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	31	31	0
0700 1 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	17	17	0
0700 1 13	SINGLE POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS	6	6	0
0700 1 14	SINGLE POST SIGN, F&I GROUND MOUNT, 31+ SF	AS	1	1	0
0700 1 50	SINGLE POST SIGN, RELOCATE	AS	1	1	0
0700 1 60	SINGLE POST SIGN, REMOVE	AS	33	33	0
0700 2 13	MULTI- POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS	1	1	0
0700 2 14	MULTI- POST SIGN, F&I GROUND MOUNT, 31-50 SF	AS	1	1	0
0700 2 60	MULTI- POST SIGN, REMOVE	AS	2	2	0
0700 3101	SIGN PANEL, FURNISH & INSTALL GROUND MOUNT, UP TO 12 SF	EA	1	1	0
0700 3201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	2	2	0
0700 5 22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	5	5	0
0704 1 1	TUBULAR MARKER, DURABLE, 36" WHITE POST	EA	2	2	0
0704 1 2	TUBULAR MARKER, DURABLE, 36" YELLOW POST	EA	7	7	0
0705 10 1	OBJECT MARKER, TYPE 1	EA	5	5	0
0706 1 3	RAISED PAVEMENT MARKER, TYPE B	EA	1,868	1,868	0
0710 11101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	6,207	6,207	0.000
0710 11102	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE AND URBAN ISLAND, 8"	GM	0.659	0.659	0.000
0710 11103	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE MARKINGS, 12"	GM	0.938	0.938	0.000
0710 11125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	1,760	1,760	0
0710 11131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	5,168	5,168	0.000
0710 11133	PAINTED PAVEMENT MARKING, STANDARD, WHITE, 3'-9" SKIP DROP LINE AND APPROACH TO TOLL PLAZA, 12" WIDE	GM	0.407	0.407	0.000
0710 11141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM	0.749	0.749	0.000
0710 11160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	22	22	0
0710 11170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	170	170	0
0710 11201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	7,932	7,932	0.000
0710 11224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	1,869	1,869	0
0710 11241	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6"	GM	2,064	2,064	0.000
0710 90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1	1	0
0711 11102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM	1,722	1,722	0.000
0711 11103	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR INTERCHANGE MARKINGS	GM	0.054	0.054	0.000
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	4,281	4,281	0
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	1,900	1,900	0
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	1,344	1,344	0
0711 11141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.389	0.389	0.000
0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	16	16	0
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	141	141	0
0711 11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	961	961	0
0711 11241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	0.055	0.055	0.000
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	764	764	0
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	4,520	4,520	0.000
0711 16131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6"-10-30 SKIP OR 3-9 LANE DROP	GM	3,115	3,115	0.000
0711 16133	THERMOPLASTIC, STANDARD-OTHER SURFACES WHITE, SKIP, 12"- APPROACH TO TOLL PLAZA OR 3-9 LANE DROP	GM	0.172	0.172	0.000
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	3,905	3,905	0.000
0711 16231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	0.171	0.171	0.000
0711 17 1	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS- SURFACE TO REMAIN	SF	728	728	0

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



Engineers | Scientists  
Planners | Designers  
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Mark F. Bertocini, P.E.  
PE # 63437



OSCEOLA COUNTY  
FLORIDA

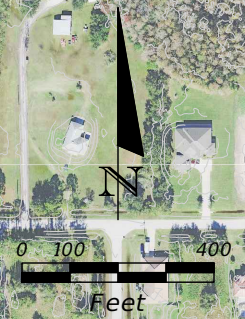
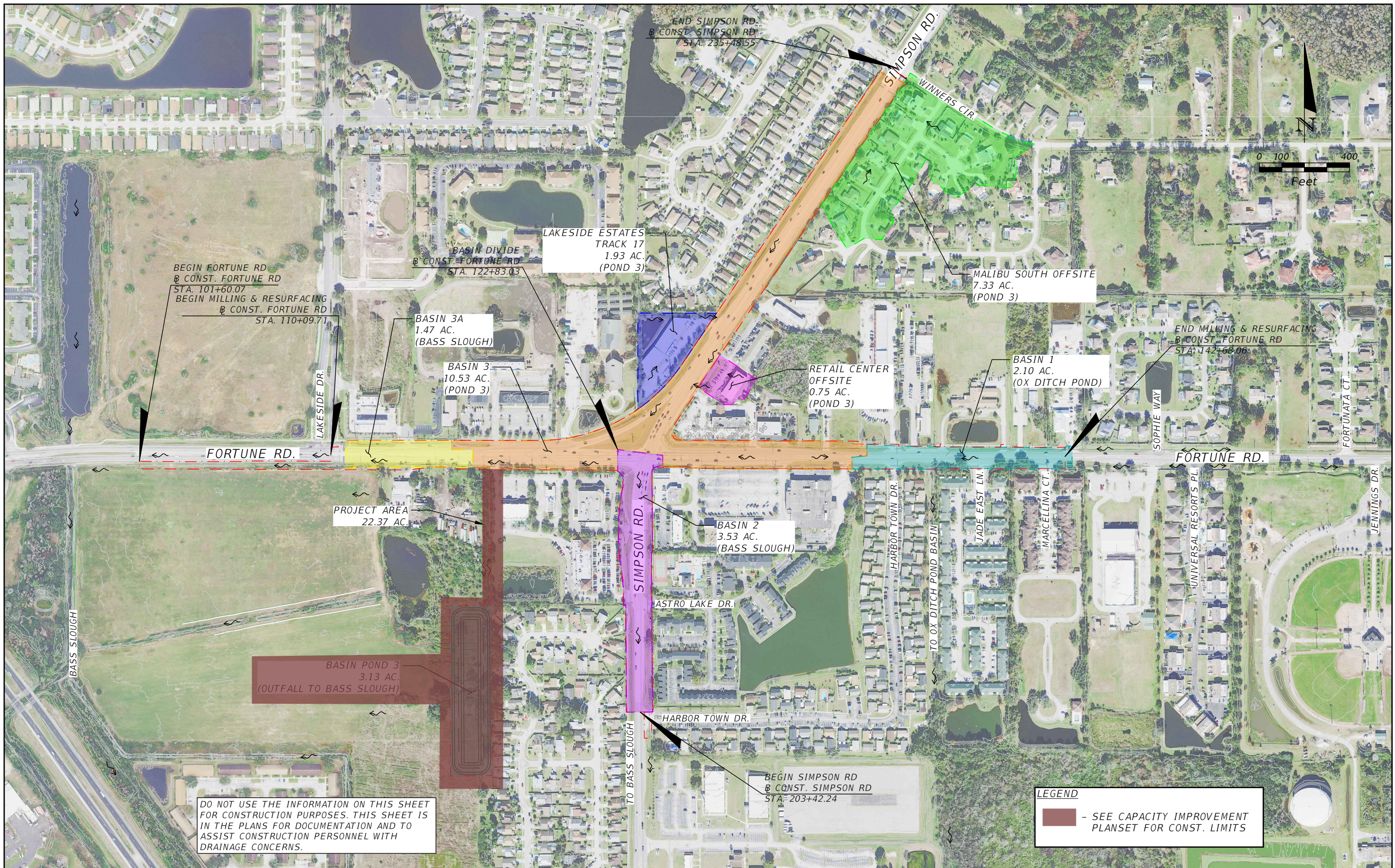
SUMMARY OF PAY ITEMS

SHEET  
NO.

3

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Paul W. Yeargain, P.E.  
PE # 50682



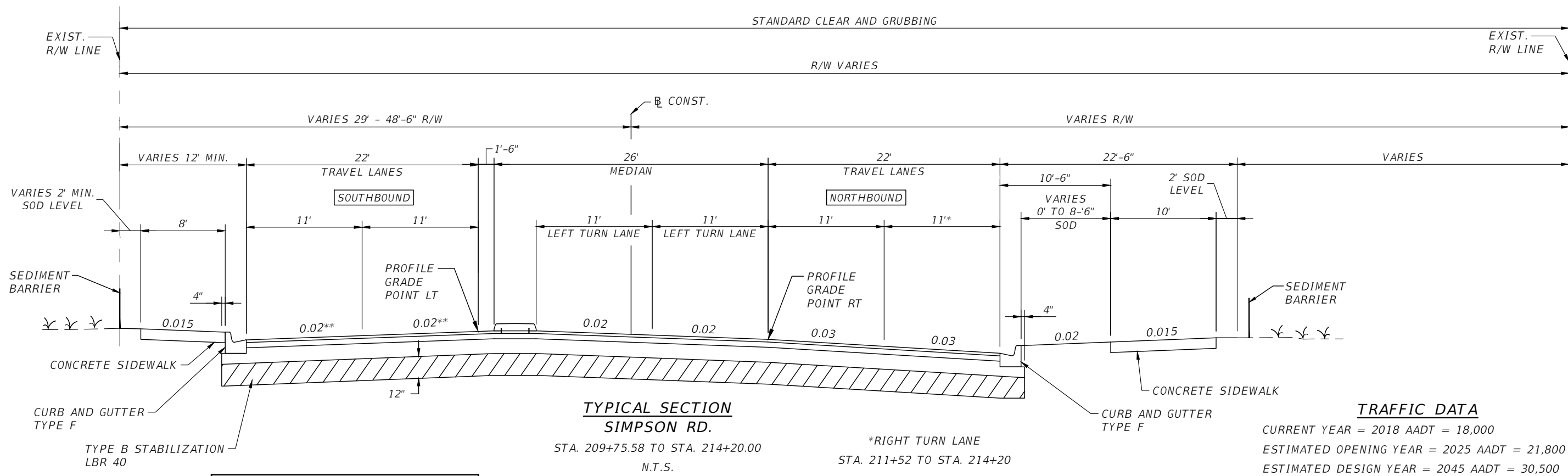
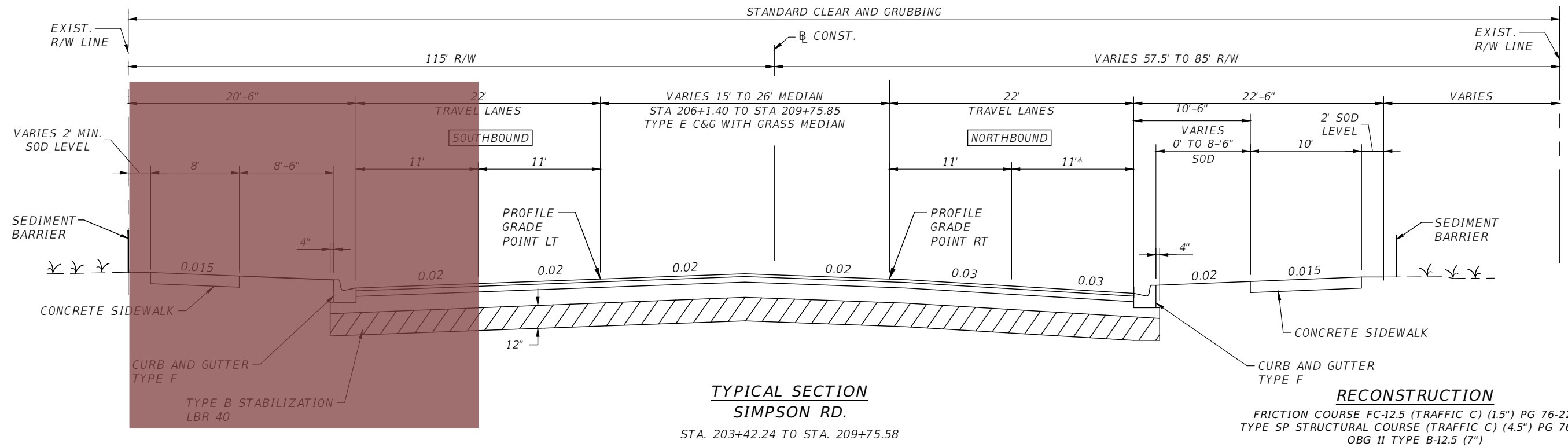
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DRAINAGE MAP

SHEET NO.  
4

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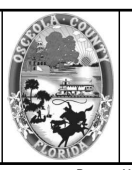




**LEGEND**  
- SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

REVISIONS			
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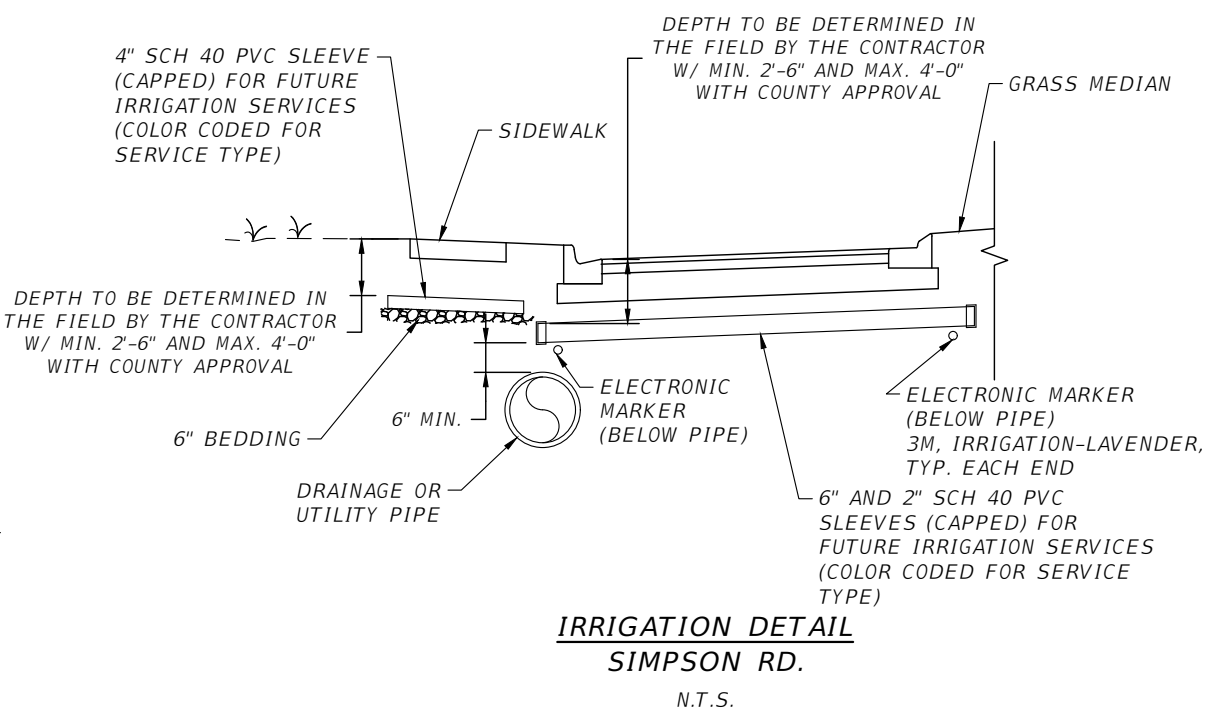
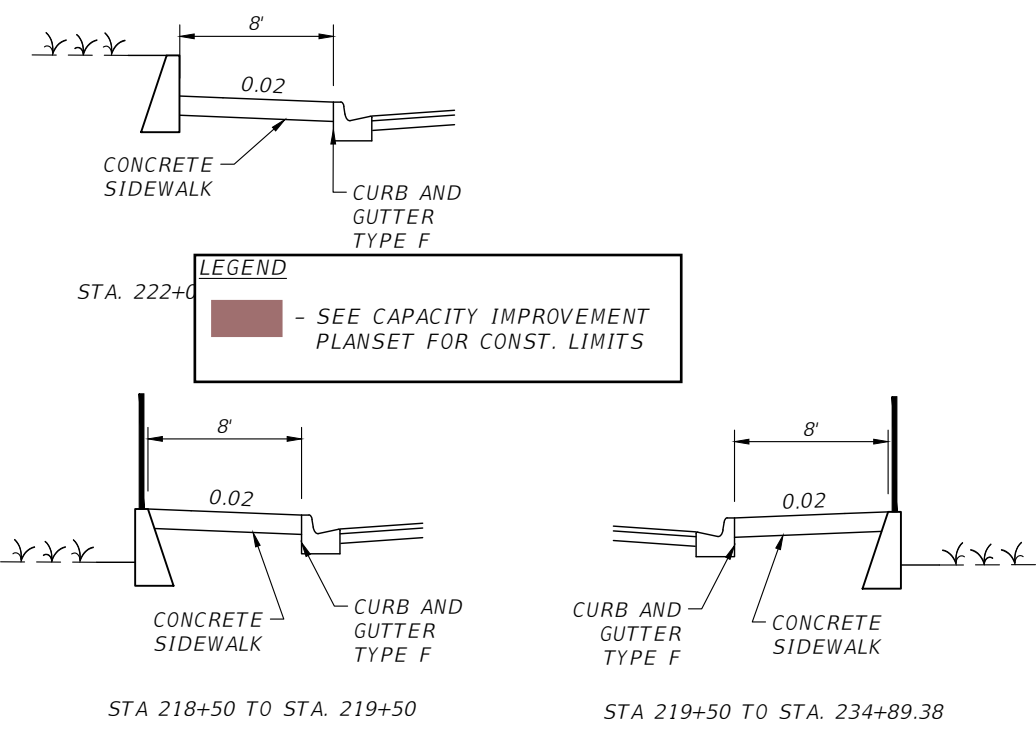
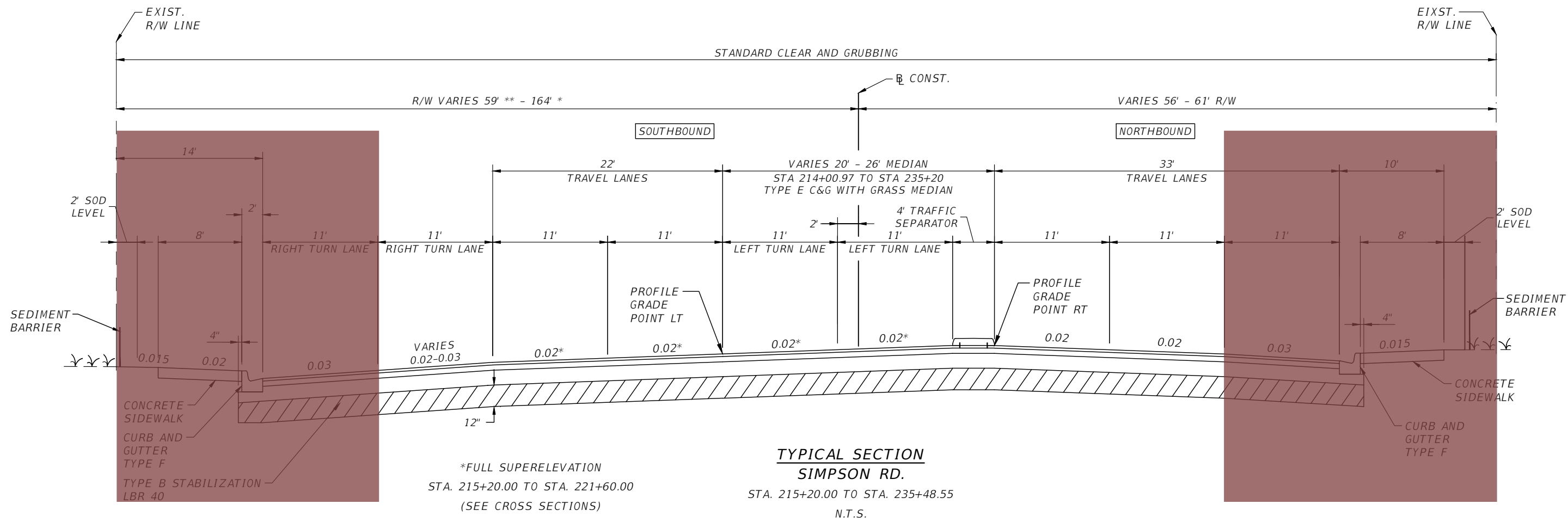
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FLORIDA**

**TYPICAL SECTION SHEET 1**

SHEET NO.  
**5**

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**RECONSTRUCTION**  
 FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") PG 76-22  
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (4.5") PG 76-22  
 OBG 11 TYPE B-12.5 (7")

**TRAFFIC DATA**

CURRENT YEAR = 2018 AADT = 42,000  
 ESTIMATED OPENING YEAR = 2025 AADT = 50,800  
 ESTIMATED DESIGN YEAR = 2045 AADT = 71,100  
 K = 9% D = 54% T = 4% (24 HOUR)  
 DESIGN HOUR T = 2 %  
 DESIGN SPEED = 45 MPH  
 POSTED SPEED = 40 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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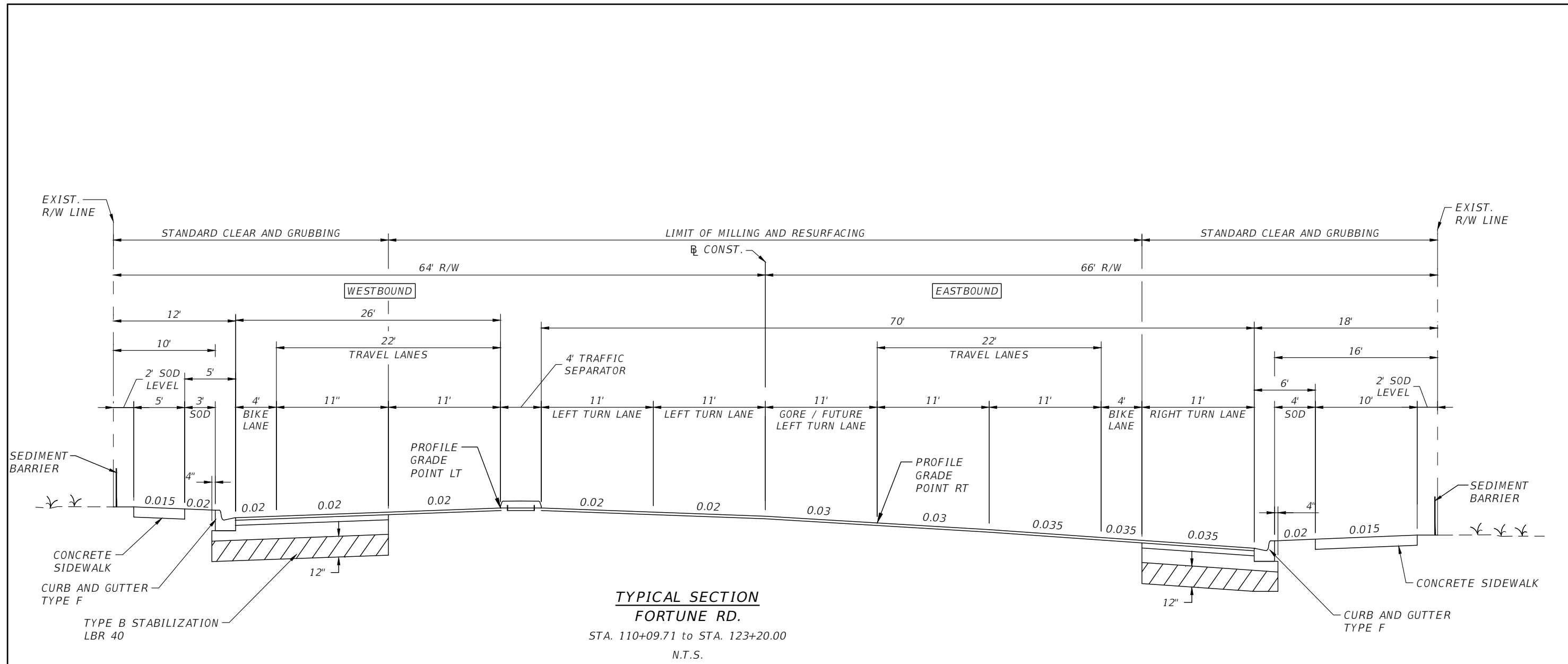
OSCEOLA COUNTY  
 FLORIDA

TYPICAL SECTION SHEET 2

SHEET NO.  
 6

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NOTE:  
SEE PLAN SHEETS FOR ISOLATED AREAS OF  
FULL DEPTH FOR ROADWAY RECONSTRUCTION.

**TRAFFIC DATA**

CURRENT YEAR = 2018 AADT = 37,000  
 ESTIMATED OPENING YEAR = 2025 AADT = 44,800  
 ESTIMATED DESIGN YEAR = 2045 AADT = 62,700  
 K = 9% D = 54% T = 4% (24 HOUR)  
 DESIGN HOUR T = 2 %  
 DESIGN SPEED = 45 MPH  
 POSTED SPEED = 45 MPH

**MILLING & RESURFACING**

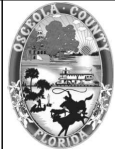
MILLING EXISTING ASPHALT PAVEMENT FOR DEPTH (3.5")  
 FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") PG 76-22  
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2") PG 76-22

**PAVEMENT WIDENING/RECONSTRUCTION**

FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") PG 76-22  
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1.5") PG 76-22  
 OBG 11 TYPE B-12.5 (7")

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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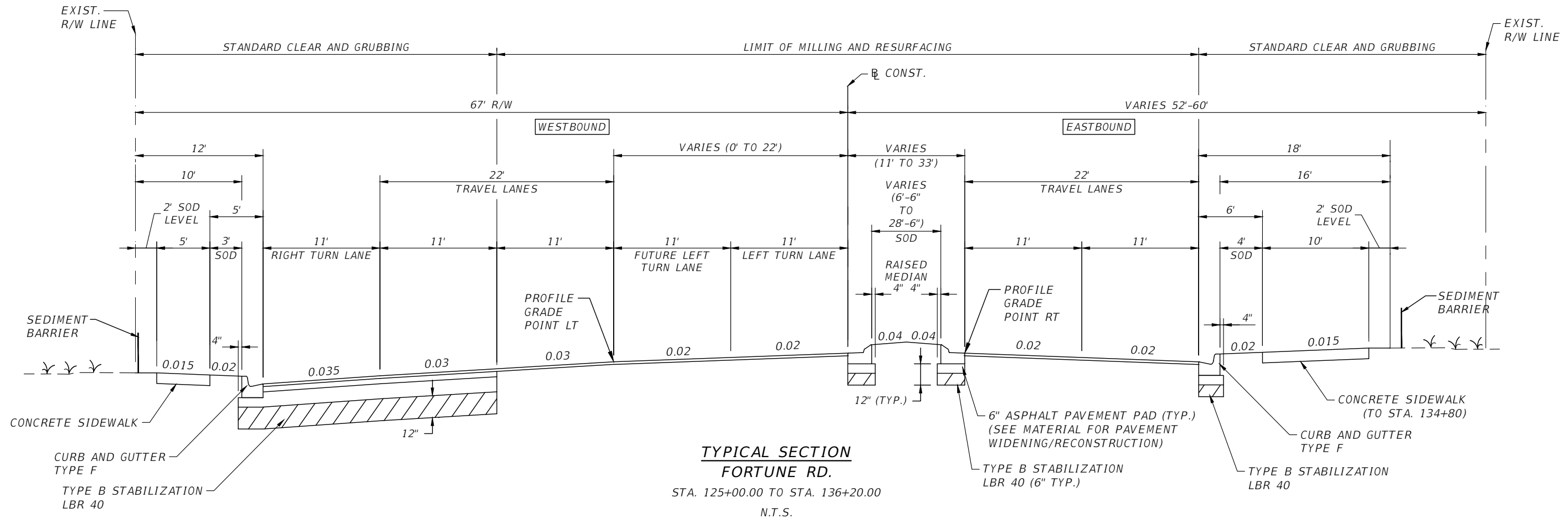
OSCEOLA COUNTY  
FLORIDA

TYPICAL SECTION SHEET 3

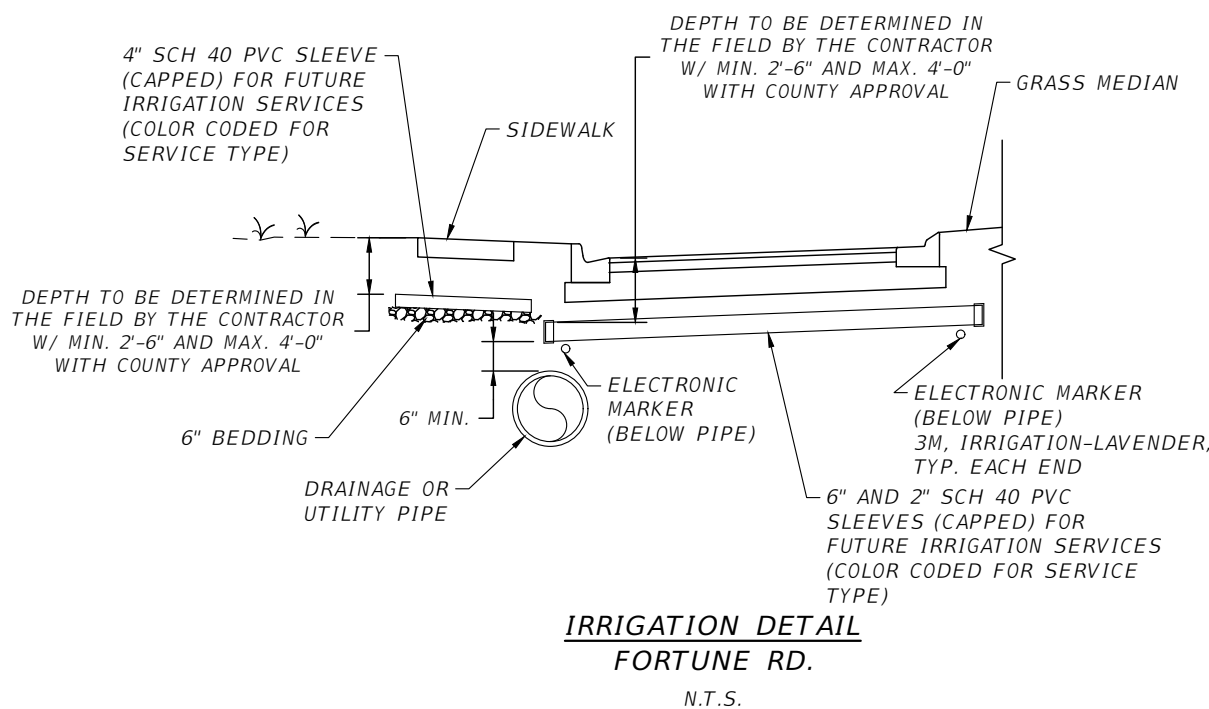
SHEET NO.  
7

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**TYPICAL SECTION  
FORTUNE RD.**  
STA. 125+00.00 TO STA. 136+20.00  
N.T.S.



**IRRIGATION DETAIL  
FORTUNE RD.**  
N.T.S.

**TRAFFIC DATA**

CURRENT YEAR = 2018 AADT = 20,000  
 ESTIMATED OPENING YEAR = 2025 AADT = 24,200  
 ESTIMATED DESIGN YEAR = 2045 AADT = 33,900  
 K = 9% D = 54% T = 4% (24 HOUR)  
 DESIGN HOUR T = 2 %  
 DESIGN SPEED = 45 MPH  
 POSTED SPEED = 45 MPH

**MILLING & RESURFACING**

MILLING EXISTING ASPHALT PAVEMENT FOR DEPTH (3.5")  
 FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") PG 76-22  
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2") PG 76-22

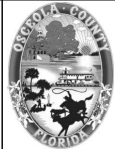
**PAVEMENT WIDENING/RECONSTRUCTION**

FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") PG 76-22  
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1.5") PG 76-22  
 OBG 11 TYPE B-12.5 (7")

NOTE:  
SEE PLAN SHEETS FOR ISOLATED AREAS OF  
FULL DEPTH FOR ROADWAY RECONSTRUCTION.

REVISIONS			
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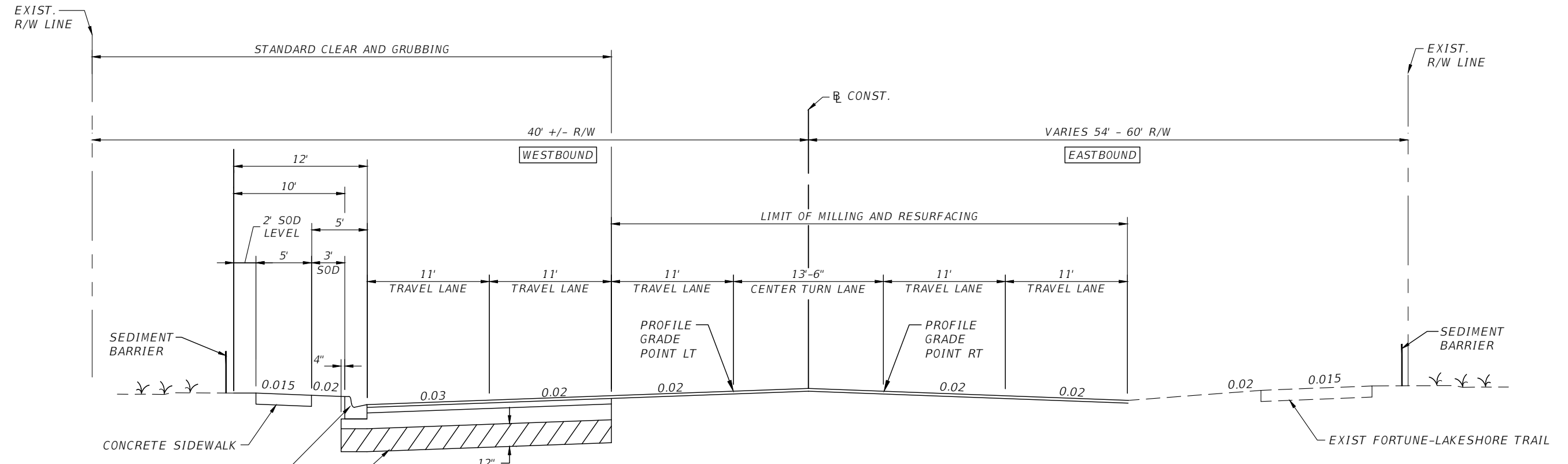
OSCEOLA COUNTY  
FLORIDA

TYPICAL SECTION SHEET 4

SHEET  
NO.  
8

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**TYPICAL SECTION  
FORTUNE RD.**  
STA. 136+20.00 TO STA. 142+68.06  
N.T.S.

NOTE:  
SEE PLAN SHEETS FOR ISOLATED AREAS OF  
FULL DEPTH FOR ROADWAY RECONSTRUCTION.

**TRAFFIC DATA**

CURRENT YEAR = 2018 AADT = 42,000  
 ESTIMATED OPENING YEAR = 2025 AADT = 50,800  
 ESTIMATED DESIGN YEAR = 2045 AADT = 71,100  
 K = 9% D = 54% T = 4% (24 HOUR)  
 DESIGN HOUR T = 2 %  
 DESIGN SPEED = 45 MPH  
 POSTED SPEED = 40 MPH

**MILLING & RESURFACING**

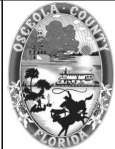
MILLING EXISTING ASPHALT PAVEMENT FOR DEPTH (3.5")  
 FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") PG 76-22  
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2") PG 76-22

**PAVEMENT WIDENING/RECONSTRUCTION**

FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") PG 76-22  
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1.5") PG 76-22  
 OBG 11 TYPE B-12.5 (7")

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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OSCEOLA COUNTY  
FLORIDA

TYPICAL SECTION SHEET 5

SHEET NO.  
9

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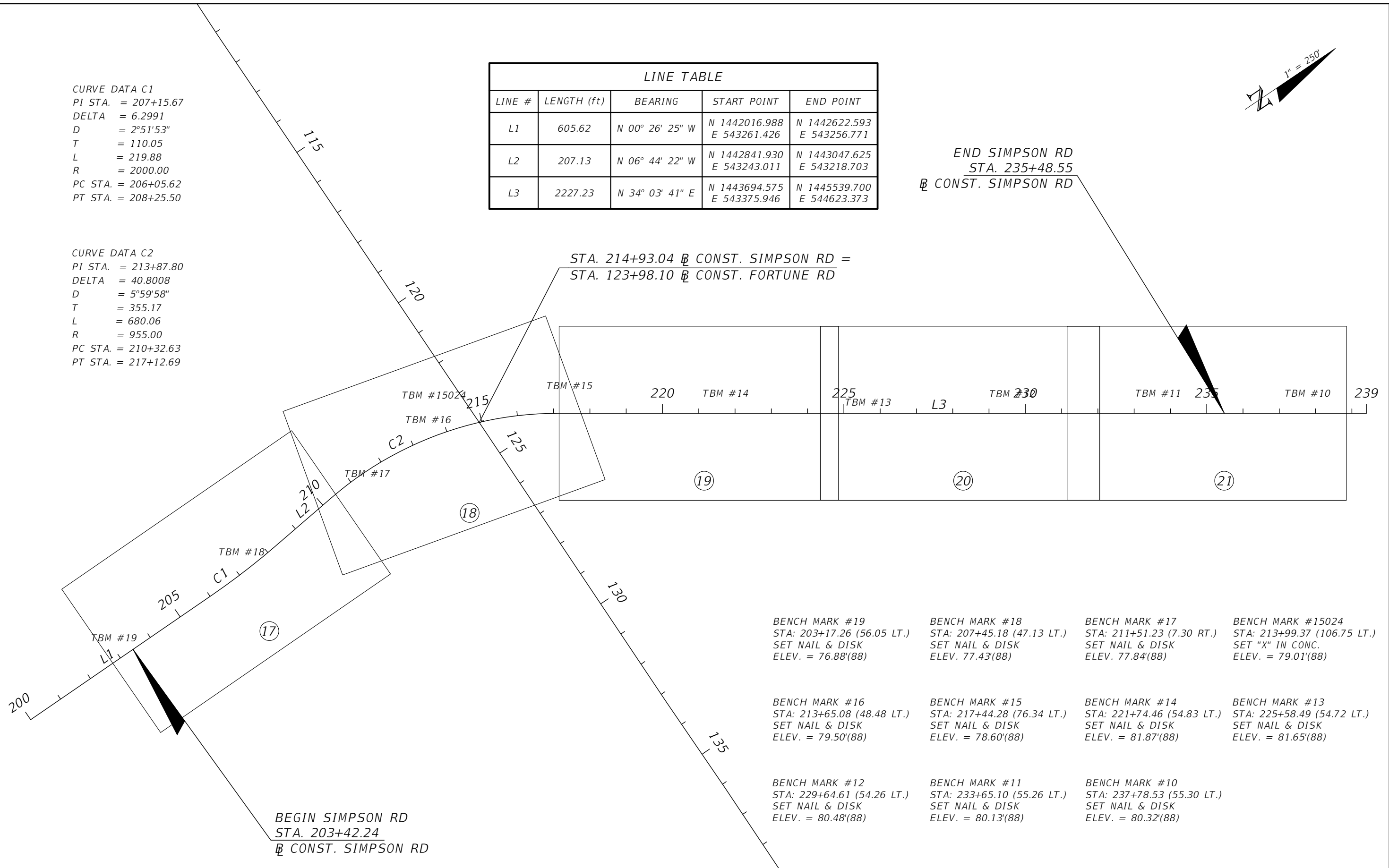
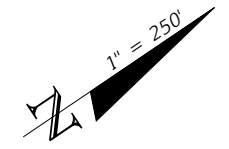




CURVE DATA C1  
 PI STA. = 207+15.67  
 DELTA = 6.2991  
 D = 2°51'53"  
 T = 110.05  
 L = 219.88  
 R = 2000.00  
 PC STA. = 206+05.62  
 PT STA. = 208+25.50

CURVE DATA C2  
 PI STA. = 213+87.80  
 DELTA = 40.8008  
 D = 5°59'58"  
 T = 355.17  
 L = 680.06  
 R = 955.00  
 PC STA. = 210+32.63  
 PT STA. = 217+12.69

LINE TABLE				
LINE #	LENGTH (ft)	BEARING	START POINT	END POINT
L1	605.62	N 00° 26' 25" W	N 1442016.988 E 543261.426	N 1442622.593 E 543256.771
L2	207.13	N 06° 44' 22" W	N 1442841.930 E 543243.011	N 1443047.625 E 543218.703
L3	2227.23	N 34° 03' 41" E	N 1443694.575 E 543375.946	N 1445539.700 E 544623.373



- BENCH MARK #19  
STA: 203+17.26 (56.05 LT.)  
SET NAIL & DISK  
ELEV. = 76.88'(88)
- BENCH MARK #18  
STA: 207+45.18 (47.13 LT.)  
SET NAIL & DISK  
ELEV. = 77.43'(88)
- BENCH MARK #17  
STA: 211+51.23 (7.30 RT.)  
SET NAIL & DISK  
ELEV. = 77.84'(88)
- BENCH MARK #15024  
STA: 213+99.37 (106.75 LT.)  
SET "X" IN CONC.  
ELEV. = 79.01'(88)
- BENCH MARK #16  
STA: 213+65.08 (48.48 LT.)  
SET NAIL & DISK  
ELEV. = 79.50'(88)
- BENCH MARK #15  
STA: 217+44.28 (76.34 LT.)  
SET NAIL & DISK  
ELEV. = 78.60'(88)
- BENCH MARK #14  
STA: 221+74.46 (54.83 LT.)  
SET NAIL & DISK  
ELEV. = 81.87'(88)
- BENCH MARK #13  
STA: 225+58.49 (54.72 LT.)  
SET NAIL & DISK  
ELEV. = 81.65'(88)
- BENCH MARK #12  
STA: 229+64.61 (54.26 LT.)  
SET NAIL & DISK  
ELEV. = 80.48'(88)
- BENCH MARK #11  
STA: 233+65.10 (55.26 LT.)  
SET NAIL & DISK  
ELEV. = 80.13'(88)
- BENCH MARK #10  
STA: 237+78.53 (55.30 LT.)  
SET NAIL & DISK  
ELEV. = 80.32'(88)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 Certificate of Authorization # 3932  
 Mark F. Bertocini, P.E.  
 PE # 63437



OSCEOLA COUNTY  
 FLORIDA

SIMPSON ROAD  
 PROJECT LAYOUT

SHEET  
 NO.  
 14

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BENCH MARK #15021  
 STA: 110+50.55 (42.76 RT.)  
 TOP OF BOLT  
 ELEV. = 76.28'(88)

BENCH MARK #15022  
 STA: 114+79.45 (30.94 RT.)  
 PK NAIL SET  
 ELEV. = 76.87'(88)

BENCH MARK #15023  
 STA: 118+65.04 (58.50 RT.)  
 SET "X" IN CONC.  
 ELEV. = 77.71'(88)

BENCH MARK #15024  
 STA: 122+66.13 (60.60 RT.)  
 SET "X" IN CONC.  
 ELEV. = 79.01'(88)

BENCH MARK #15025  
 STA: 127+62.13 (55.58 RT.)  
 SET "X" IN CONC.  
 ELEV. = 76.84'(88)

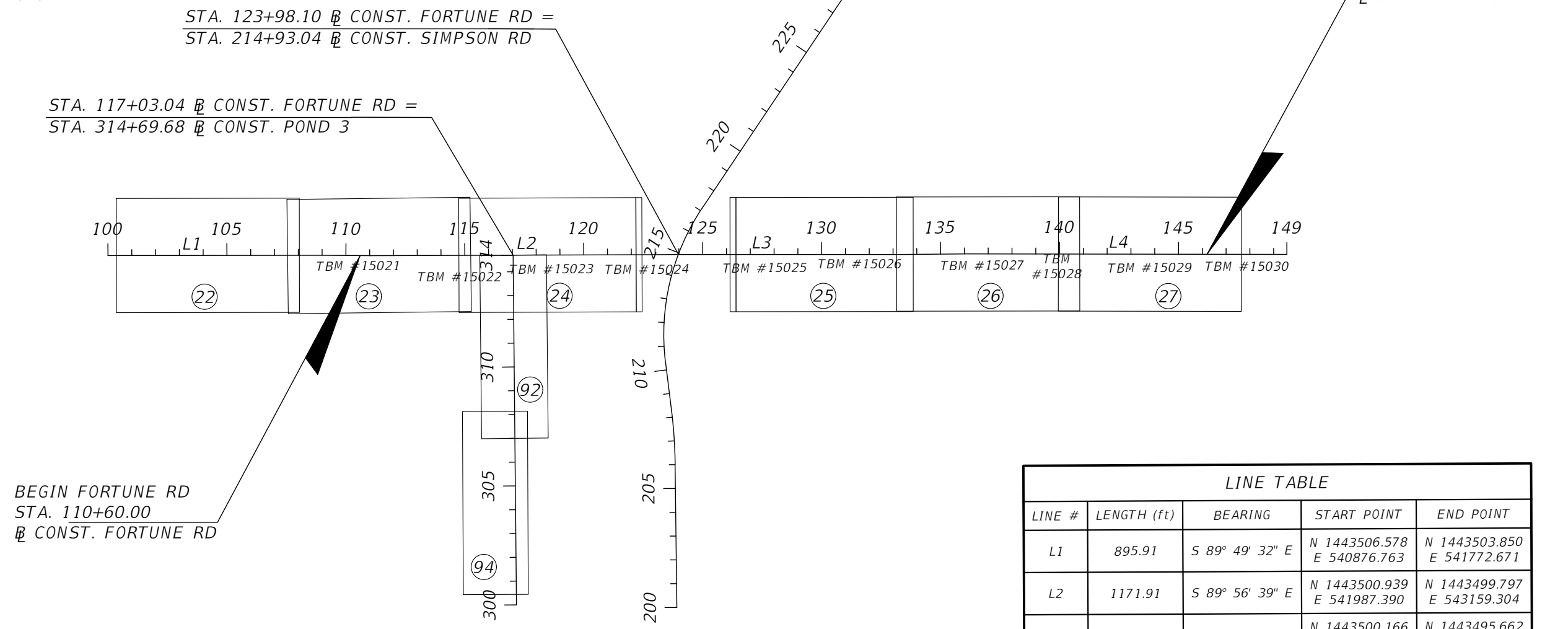
BENCH MARK #15026  
 STA: 131+61.20 (38.38 RT.)  
 SET "X" IN CONC.  
 ELEV. = 75.97'(88)

BENCH MARK #15027  
 STA: 136+76.49 (47.79 RT.)  
 SET "X" IN CONC.  
 ELEV. = 78.00'(88)

BENCH MARK #15028  
 STA: 139+88.75 (51.94 RT.)  
 SET "X" IN CONC.  
 ELEV. = 77.95'(88)

BENCH MARK #15029  
 STA: 143+80.26 (56.78 RT.)  
 SET "X" IN CONC.  
 ELEV. = 79.79'(88)

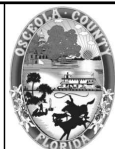
BENCH MARK #15030  
 STA: 147+88.43 (50.06 RT.)  
 SET "X" IN CONC.  
 ELEV. = 79.32'(88)



LINE TABLE				
LINE #	LENGTH (ft)	BEARING	START POINT	END POINT
L1	895.91	S 89° 49' 32" E	N 1443506.578 E 540876.763	N 1443503.850 E 541772.671
L2	1171.91	S 89° 56' 39" E	N 1443500.939 E 541987.390	N 1443499.797 E 543159.304
L3	914.66	S 89° 43' 04" E	N 1443500.166 E 543289.430	N 1443495.662 E 544204.079
L4	1343.23	S 89° 38' 58" E	N 1443496.977 E 544489.079	N 1443488.759 E 545832.282

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineers | Scientists  
 Planners | Designers  
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 Mark F. Bertocini, P.E.  
 PE # 63437



OSCEOLA COUNTY  
 FLORIDA

FORTUNE ROAD  
 PROJECT LAYOUT

SHEET  
 NO.  
 15

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**GENERAL NOTES**

1. ELEVATIONS SHOWN HEREON ARE BASED ON N.A.V.D. 1988 DATUM.
2. REFERENCE BENCHMARK IS OSCEOLA COUNTY BENCHMARK OC-1279, A BRASS DISK LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF BOGGY CREEK ROAD AND BORINQUEN STREET, ELEVATION = 77.85'.
3. BEARINGS SHOWN HEREON ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE. (NAD 83, 1990 ADJUSTMENT) AS DETERMINED FROM GLOBAL POSITIONING SYSTEM (GPS).
4. THE COST FOR REFERENCING AND PROTECTING PUBLIC LAND CORNERS, BENCHMARKS AS OUTLINED IN THE SPECIFICATIONS SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 101-1 MOBILIZATION..
5. CLEARING AND SWEEPING IS TO BE INCLUDED IN ITEM 102-1 MAINTENANCE OF TRAFFIC.
6. ALL SALVAGEABLE AND/OR ANY SIGNING MATERIAL, INCLUDING SUPPORTS, WHICH ARE TO BE REMOVED, SHALL REMAIN THE PROPERTY OF THE COUNTY. THEY SHALL BE LOADED, DELIVERED AND UNLOADED BY THE CONTRACTOR IN EXISTING CONDITION AT THE MAINTENANCE FACILITY. CONTACT KEVIN KRUG (407-738-9405) FOR LOCATION. COST TO BE INCLUDED IN ITEM 110-86 DELIVERY OF SALVAGEABLE MATERIALS.
7. THE CONTRACTOR SHALL INSTALL STATION BOARDS AT R/W LINE. THE CONTRACTOR SHALL MAINTAIN THE STATION MARKS VISIBLE UNTIL FINAL INSPECTION. COST TO BE INCLUDED IN RELATED PAY ITEM 102-1 MAINTENANCE OF TRAFFIC.
8. IF SHEETING, SHORING OR DEWATERING, INCLUDING WELL POINTS ARE NECESSARY, THE CONTRACTOR MUST MONITOR AND CONTROL ALL WORK THAT MAY CAUSE CRACKING TO ANY ADJACENT BUILDING, STRUCTURE OR PROPERTY AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES CAUSED BY THESE OPERATIONS, COST OF SHEETING, SHORING OR DEWATERING, INCLUDING WELL POINTS, AND ALL MONITORING COST SHALL BE INCLUDED IN THE RELATED BID ITEMS FOR THE WORK BEING DONE.
9. ALL SOD MATERIALS SHALL BE SUBJECT TO INSPECTION BY THE COUNTY PRIOR TO PLACEMENT.
10. SKIMMERS AND ABSORBENT MATERIALS SHALL BE MAINTAINED AT THE WORK AREA FOR IMMEDIATE DEPLOYMENT IN THE EVENT OF AN ACCIDENTAL SPILL.
11. THE CONTRACTOR SHALL COORDINATE SELECTION AND REVIEW OF ANY PROPOSED STAGING AREAS ASSOCIATED WITH THIS PROJECT WITH THE COUNTY STAFF DURING THE PRE-CONSTRUCTION MEETING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING COUNTY STAFF AT LEAST THREE BUSINESS DAYS PRIOR TO STAGING. AT THE END OF THE PROJECT, THE STAGING AREA WILL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER.
12. THE CONTRACTOR WILL RESTRICT PERSONNEL, THE USE OF EQUIPMENT AND THE STORAGE OF MATERIALS TO AREAS WITHIN THE LIMITS OF CONSTRUCTION AS NOTED ON THE PLAN SHEETS. ANY OFF-SITE STORAGE AREA WILL REQUIRE PRIOR REVIEW BY COUNTY STAFF.
13. PRIOR TO FINAL PROJECT INSPECTION, THE CONTRACTOR SHALL FURNISH OSCEOLA COUNTY SIGNED AND SEALED PDF FILES OF CONSTRUCTION AS-BUILT PLANS, INCLUDING CAD FILES.
14. CONTRACTOR TO VIDEOTAPE AND PHOTOGRAPH PROJECT SITE PRIOR TO CONSTRUCTION AND PRESENT A COPY TO OSCEOLA COUNTY.

**UTILITY NOTES**

1. ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED.
2. TWO-BUSINESS DAYS PRIOR TO DIGGING THE CONTRACTOR SHALL CALL SUNSHINE STATE ONE CALL OF FLORIDA, TELEPHONE NUMBER 1-800-432-4770, AND THE UTILITY OWNER AND REQUEST UTILITY LOCATIONS. A CONTRACTOR'S REPRESENTATIVE MUST BE PRESENT WHEN UTILITY COMPANIES LOCATE THEIR FACILITIES.
3. THE CONTRACTOR IS ADVISED THAT PROPERTIES ADJACENT TO THE PROJECT HAVE ELECTRIC, TELEPHONE, GAS, WATER AND/OR SEWER SERVICE LATERALS WHICH MAY NOT BE SHOWN IN PLANS. THE CONTRACTOR MUST REQUEST THE LOCATION OF THESE LATERAL SERVICES FROM THE UTILITY COMPANIES. THE ADDITIONAL COST OF EXCAVATING, INSTALLING, BACKFILLING AND COMPACTING AROUND THESE LATERAL SERVICES MUST BE INCLUDED IS THE BID RELATED ITEM FOR THE WORK BEING DONE.
4. 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. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION.

**5. UTILITY OWNERS:**

- AT&T CORP  
GREG JACOBSON (813) 342-0512 GTJACOBSON@ATT.COM
- AT&T DISTRIBUTION  
ALAN REYNOLDS 407) 351-8180 AR2916@ATT.COM
- BRIGHTHOUSE (CHARTER/SPECTRUM)  
MARVIN USRY 407-532-8509 MARVIN.USRYJR@CHARTER.COM
- CENTURYLINK (EMBARQ)  
ROBERT GODEK 407-830-3421 ROB.M.GODEK@CENTURYLINK.COM  
RELOCATIONS@LUMEN.COM
- CENTURYLINK (LEVEL3)  
XAN RYPKEMA 720-888-1089 RELOCATIONS@LUMEN.COM  
XAN.RYPKEMA@CENTURYLINK.COM
- CROWN CASTLE  
GRUGER WALTER (215)622-5927 NORTHFLORIDAPLANSREVIEW@CROWNCastle.COM  
WALTER.GRUGER@CROWNCastle.COM
- KISSIMMEE UTILITY AUTHORITY  
FELIX ESCOBAR 407-933-7777, X6600 FESCOBAR@KUA.COM
- SPRINT  
JON BAKER 321-280-9596 JON.BAKER@SPRINT.COM
- SUMMIT BROADBAND  
MICHELLE DANIEL 407-996-1183 MDANIEL@SUMMIT-BROADBAND.COM  
PERMIT@SUMMIT-BROADBAND.COM
- TECO  
SHAWN WINSOR 407-420-6663 SWINSOR@TECOENERGY.COM
- TOHO  
ROBERT PELHAM 407-944-5132 RPELHAM@TOHOWATER.COM
- VERIZON (MCI)  
TIM COLE 407-618-2078 TIMOTHY.COLE@VERIZON.COM  
INVESTIGATIONS@ONE.VERIZON.COM
- ZAYO GROUP  
TESS BENTAYOU 813-363-6797 TESS.BENTAYOU@ZAYO.COM

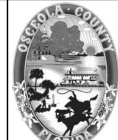
**DRAINAGE NOTES**

1. ALL EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTED.
2. ALL LENGTHS FOR DRAINAGE PIPES ARE SHOWN FROM THE INNER WALL OF STRUCTURE TO THE INNER WALL OF STRUCTURE.
3. ALL STORM PIPES SHALL BE STEEL REINFORCED CONCRETE PIPE CLASS III.
4. ALL PIPE JOINTS TO BE WRAPPED PER FDOT STD. PLANS 430-001.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



Engineers | Scientists  
Planners | Designers  
225 E. Robinson Street, Suite 300  
Orlando, FL 32801 (407)839-4006  
Certificate of Authorization # 3932  
Mark F. Bertoncini, P.E.  
PE # 63437



OSCEOLA COUNTY  
FLORIDA

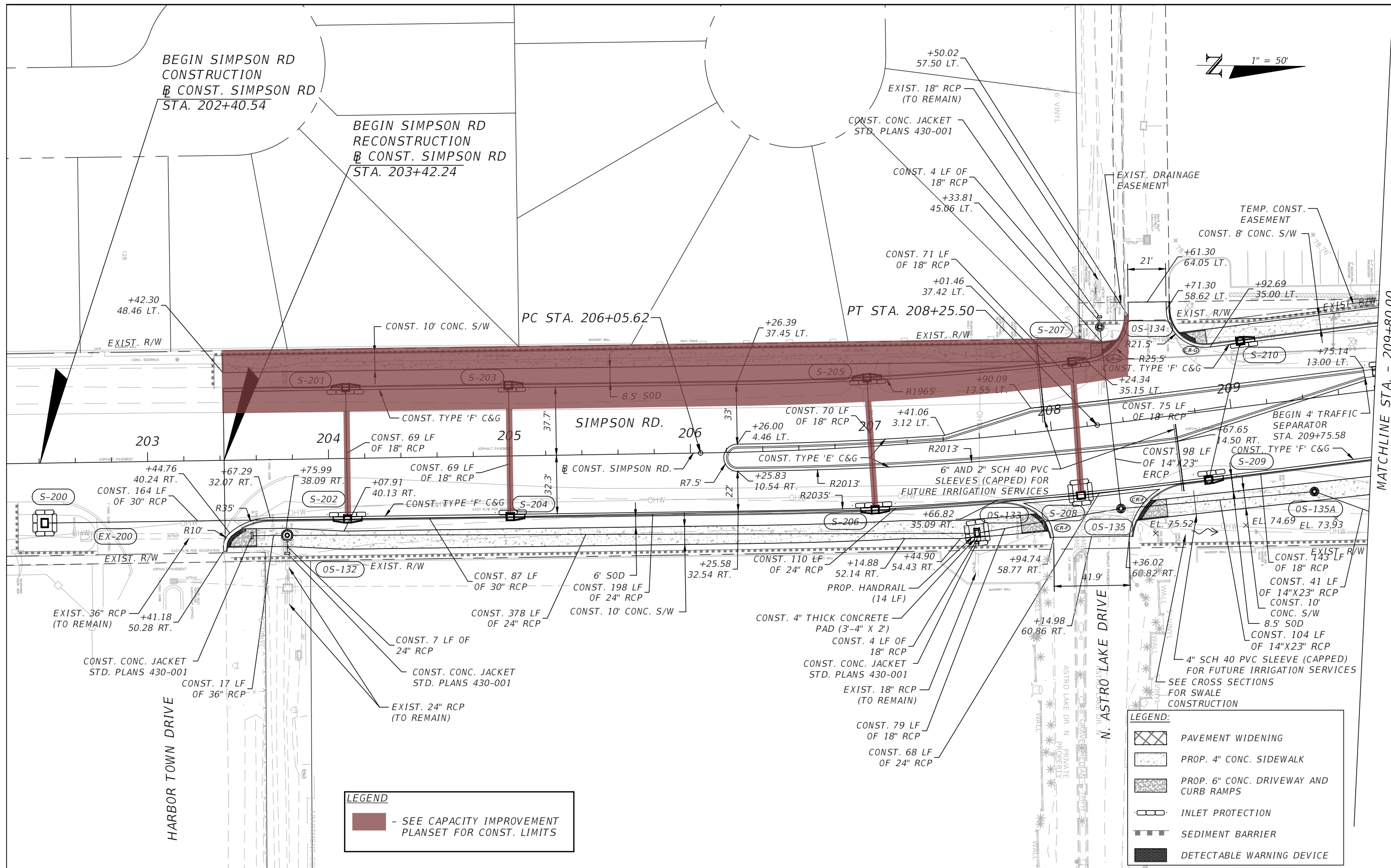
GENERAL NOTES

SHEET  
NO.

16

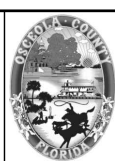
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**vhb**  
 Engineers | Scientists  
 Planners | Designers  
 225 E. Robinson Street, Suite 300  
 Orlando, FL 32801 (407)839-4006  
 Certificate of Authorization # 3932  
 Mark F. Bertoncini, P.E.  
 PE # 63437



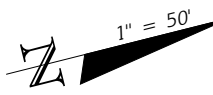
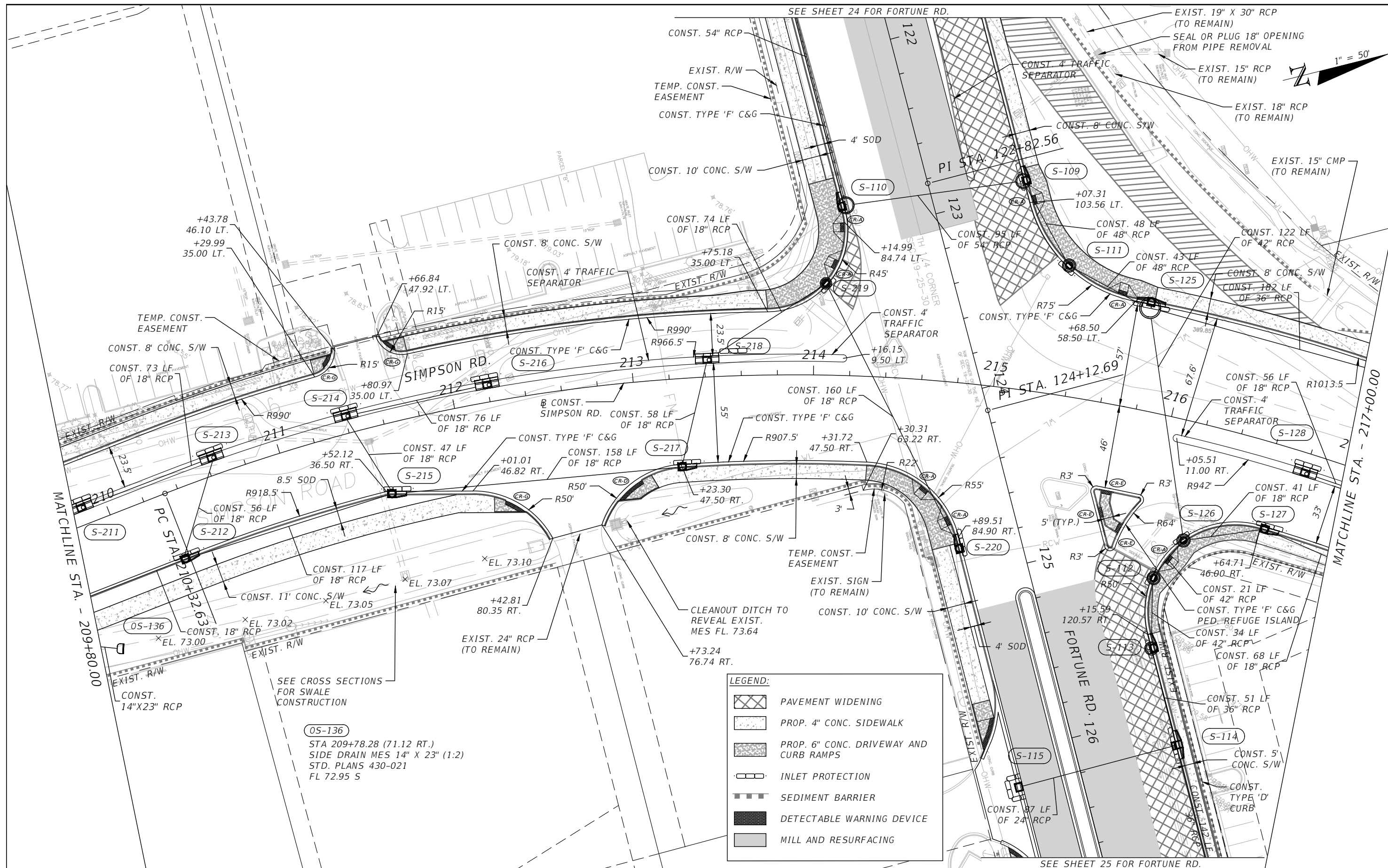
OSCEOLA COUNTY  
 FLORIDA

SIMPSON RD PLAN SHEET 1

SHEET NO.  
 17

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**LEGEND:**

	PAVEMENT WIDENING
	PROP. 4" CONC. SIDEWALK
	PROP. 6" CONC. DRIVEWAY AND CURB RAMPS
	INLET PROTECTION
	SEDIMENT BARRIER
	DETECTABLE WARNING DEVICE
	MILL AND RESURFACING

SEE CROSS SECTIONS FOR SWALE CONSTRUCTION

05-136  
 STA 209+78.28 (71.12 RT.)  
 SIDE DRAIN MES 14" X 23" (1:2)  
 STD. PLANS 430-021  
 FL 72.95 S

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineers | Scientists  
 Planners | Designers  
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 Orlando, FL 32801 (407)839-4006  
 Certificate of Authorization # 3932

Mark F. Bertoncini, P.E.  
 PE # 63437



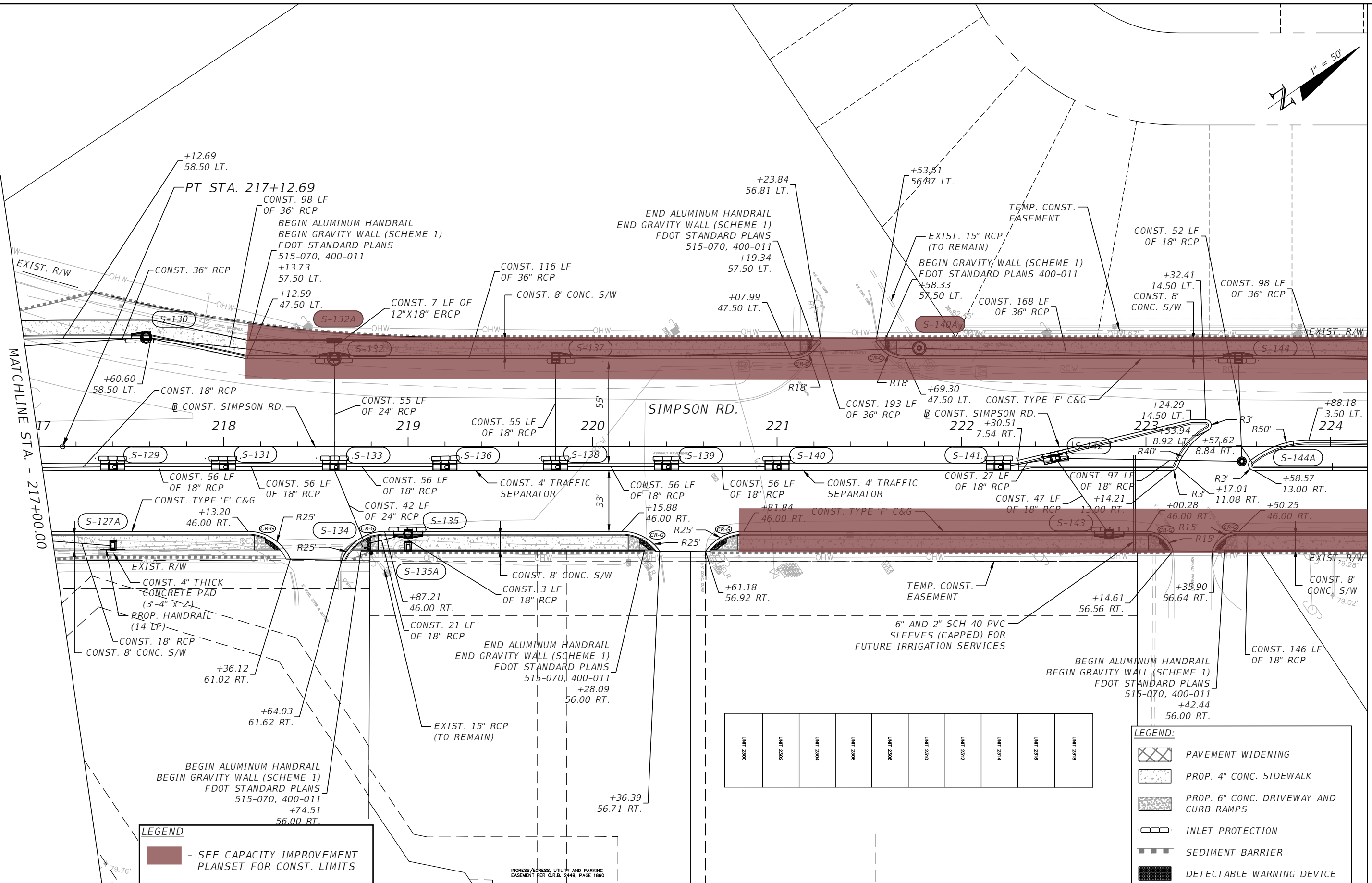
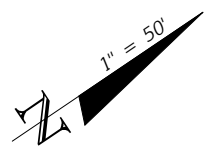
OSCEOLA COUNTY  
 FLORIDA

SIMPSON RD PLAN SHEET 2

SHEET NO.
18

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**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

**LEGEND:**

- PAVEMENT WIDENING
- PROP. 4" CONC. SIDEWALK
- PROP. 6" CONC. DRIVEWAY AND CURB RAMPS
- INLET PROTECTION
- SEDIMENT BARRIER
- DETECTABLE WARNING DEVICE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineers | Scientists  
 Planners | Designers  
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 Mark F. Bertoncini, P.E.  
 PE # 63437



OSCEOLA COUNTY  
FLORIDA

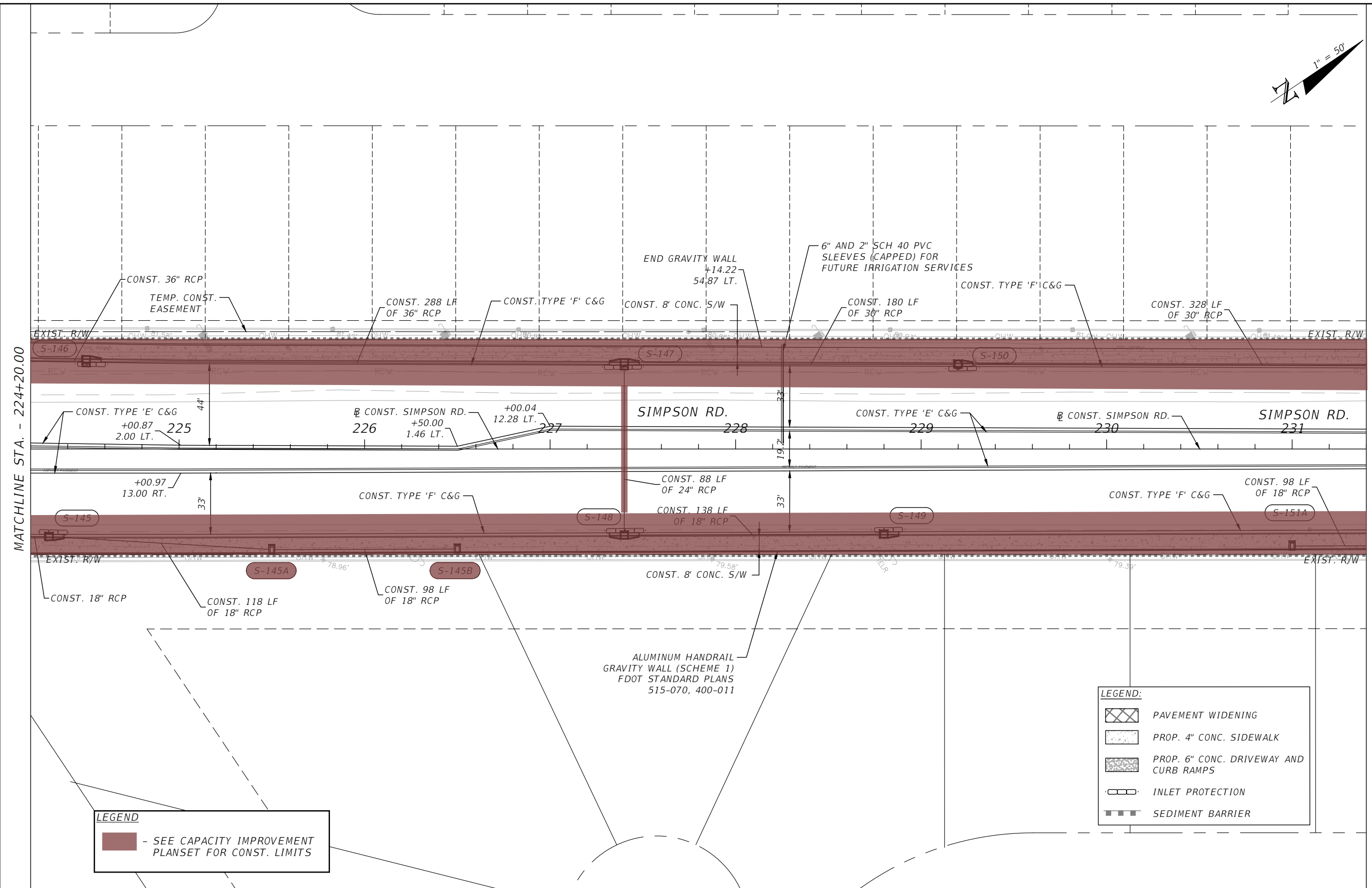
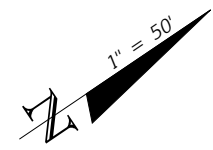
SIMPSON RD PLAN SHEET 3

SHEET  
NO.  
  
19

MATCHLINE STA. - 224+20.00

MATCHLINE STA. - 217+00.00

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MATCHLINE STA. - 231+40.00

MATCHLINE STA. - 224+20.00

**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

**LEGEND:**

- PAVEMENT WIDENING
- PROP. 4" CONC. SIDEWALK
- PROP. 6" CONC. DRIVEWAY AND CURB RAMPS
- INLET PROTECTION
- SEDIMENT BARRIER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineers | Scientists  
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 Orlando, FL 32801 (407)839-4006  
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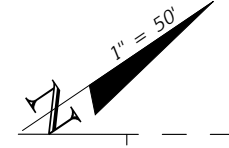
OSCEOLA COUNTY  
FLORIDA

*SIMPSON RD PLAN SHEET 4*

SHEET  
NO.  
  
20

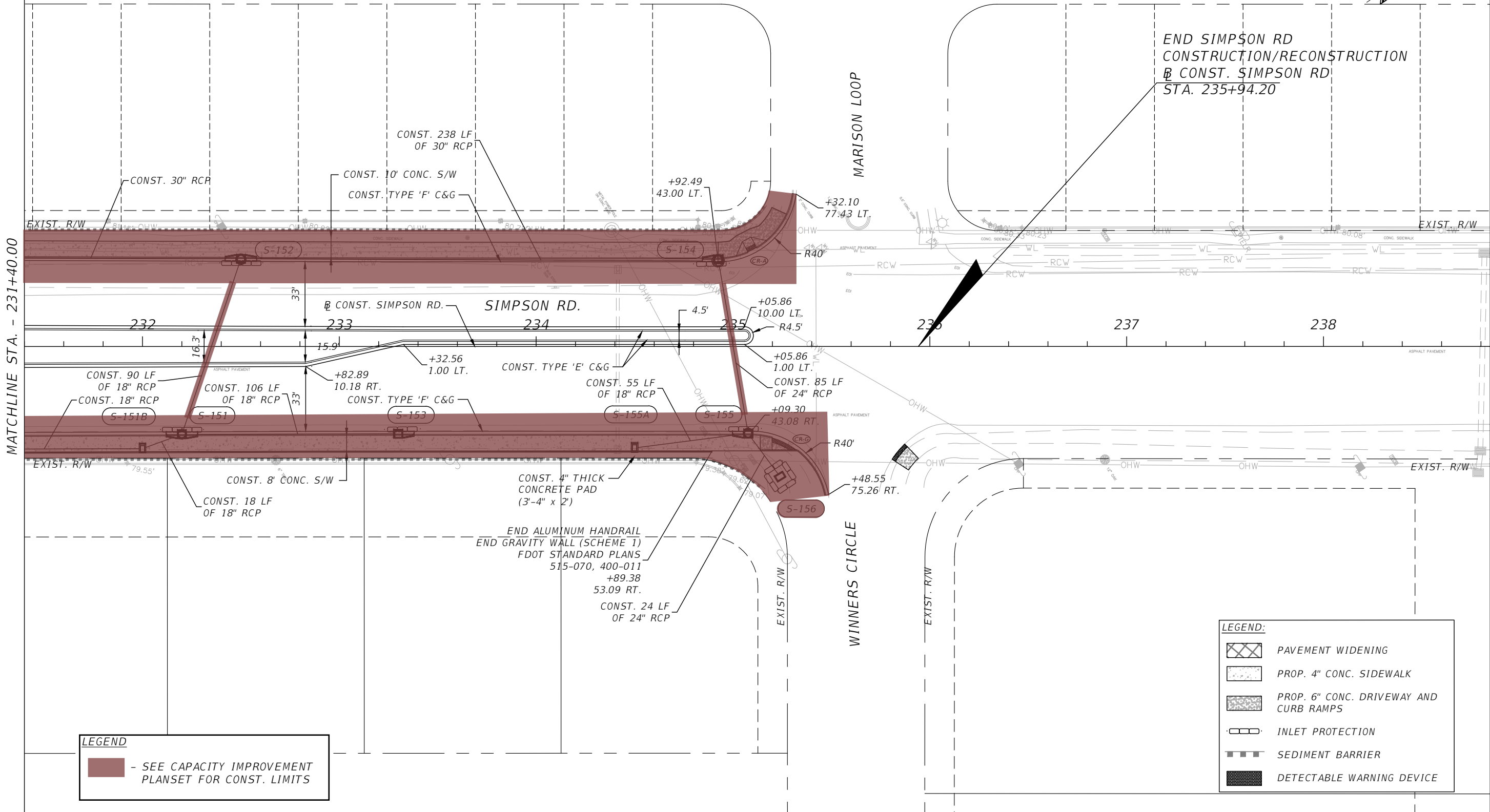
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MATCHLINE STA. - 231+40.00

END SIMPSON RD  
CONSTRUCTION/RECONSTRUCTION  
@ CONST. SIMPSON RD  
STA. 235+94.20



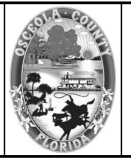
**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

**LEGEND:**

- PAVEMENT WIDENING
- PROP. 4" CONC. SIDEWALK
- PROP. 6" CONC. DRIVEWAY AND CURB RAMPS
- INLET PROTECTION
- SEDIMENT BARRIER
- DETECTABLE WARNING DEVICE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineers | Scientists  
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Orlando, FL 32801 (407)839-4006  
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Mark F. Bertocini, P.E.  
PE # 63437



OSCEOLA COUNTY  
FLORIDA

SIMPSON RD PLAN SHEET 5

SHEET NO.  
21

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BEGIN FORTUNE RD  
CONSTRUCTION  
CONST. FORTUNE RD  
STA. 101+60.07

EXIST. R/W

101 102 103 104 105 106 107

FORTUNE RD.

EXIST. DBI TYPE F  
(TO REMAIN)

EX-101

CONST. 209 LF  
OF 42" RCP

CONST. FORTUNE RD.

05-102

CONST. 211 LF  
OF 34" X 53"  
ERCPC

05-103

CONST. 237 LF  
OF 29" X 45"  
ERCPC

BENCHMARK 15019  
ELEVATION = 74.11'  
N 144.3458.8170  
E 541028.1810

EXIST R/W

EXIST. 42" RCP  
(TO REMAIN)

EXIST. 10' TRAIL

EXIST R/W

MATCHLINE STA. - 107+80.00

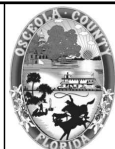
**LEGEND:**

-  INLET PROTECTION
-  SEDIMENT BARRIER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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Mark F. Bertocini, P.E.  
PE # 63437



OSCEOLA COUNTY  
FLORIDA

FORTUNE RD PLAN SHEET 1

SHEET  
NO.  
22

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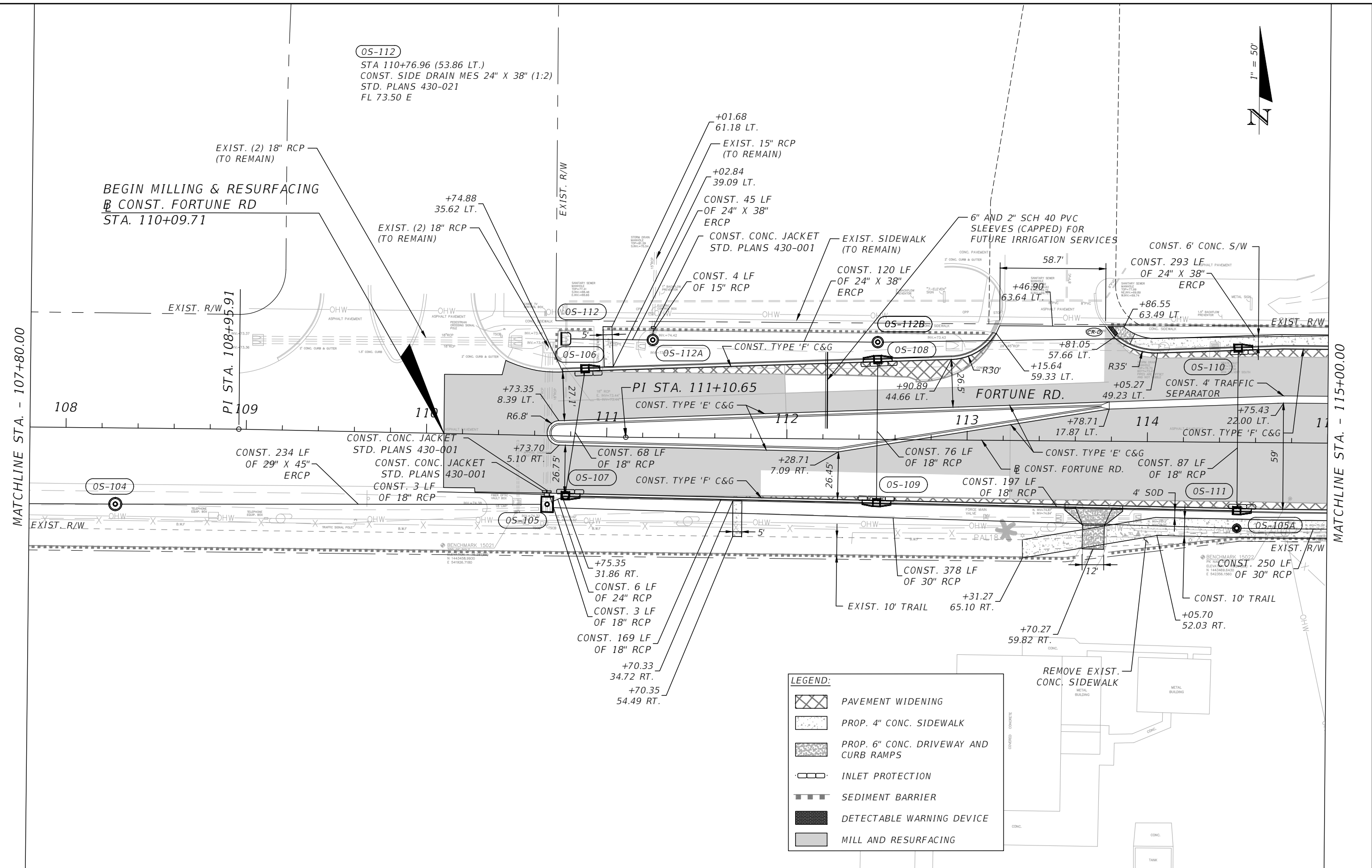


OS-112  
 STA 110+76.96 (53.86 LT.)  
 CONST. SIDE DRAIN MES 24" X 38" (1:2)  
 STD. PLANS 430-021  
 FL 73.50 E

BEGIN MILLING & RESURFACING  
 & CONST. FORTUNE RD  
 STA. 110+09.71

MATCHLINE STA. - 107+80.00

MATCHLINE STA. - 115+00.00



**LEGEND:**

	PAVEMENT WIDENING
	PROP. 4" CONC. SIDEWALK
	PROP. 6" CONC. DRIVEWAY AND CURB RAMPS
	INLET PROTECTION
	SEDIMENT BARRIER
	DETECTABLE WARNING DEVICE
	MILL AND RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineers | Scientists  
 Planners | Designers  
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 Orlando, FL 32801 (407)839-4006  
 Certificate of Authorization # 3932  
 Mark F. Bertocini, P.E.  
 PE # 63437



OSCEOLA COUNTY  
 FLORIDA

FORTUNE RD PLAN SHEET 2

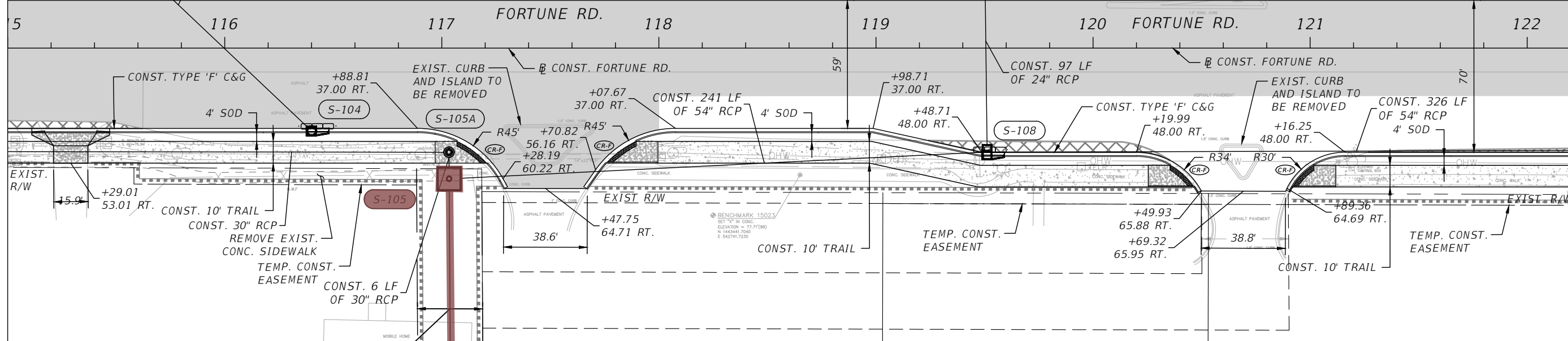
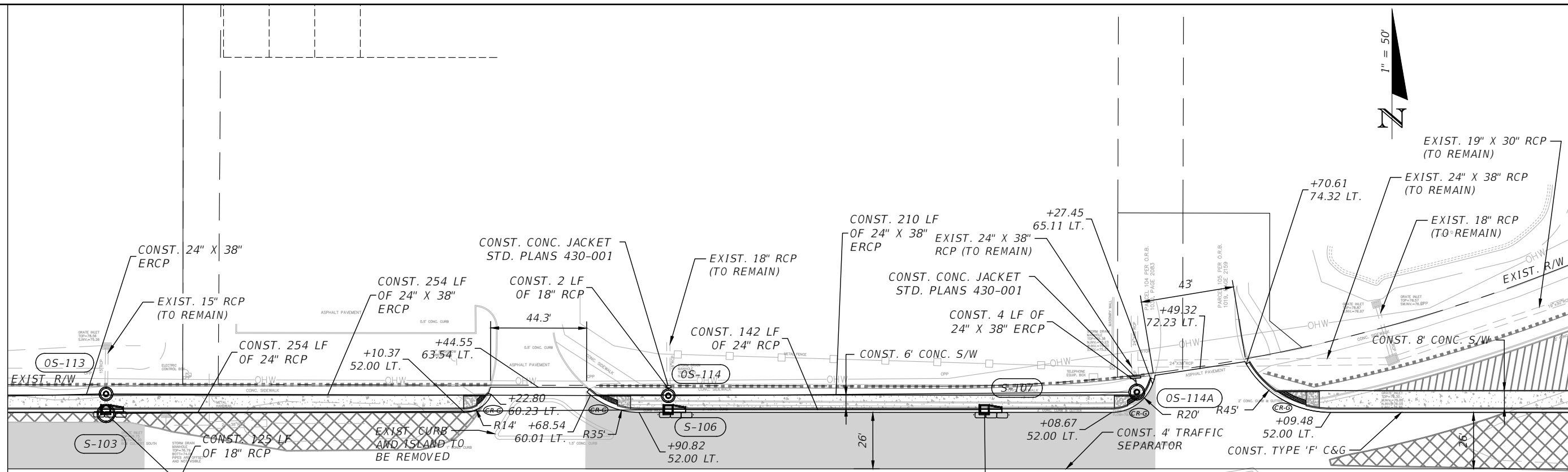
SHEET NO.  
 23

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MATCHLINE STA. - 115+00.00

MATCHLINE STA. - 122+20.00  
SEE SHEET 18 FOR FORTUNE RD.



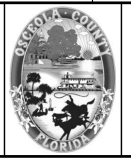
**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

**LEGEND:**

	PAVEMENT WIDENING
	PROP. 4" CONC. SIDEWALK
	PROP. 6" CONC. DRIVEWAY AND CURB RAMPS
	INLET PROTECTION
	SEDIMENT BARRIER
	DETECTABLE WARNING DEVICE
	MILL AND RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineers | Scientists  
 Planners | Designers  
 225 E. Robinson Street, Suite 300  
 Orlando, FL 32801 (407)839-4006  
 Certificate of Authorization # 3932  
 Mark F. Bertocini, P.E.  
 PE # 63437



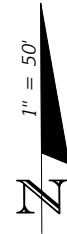
OSCEOLA COUNTY  
 FLORIDA

FORTUNE RD PLAN SHEET 3

SHEET NO.  
 24

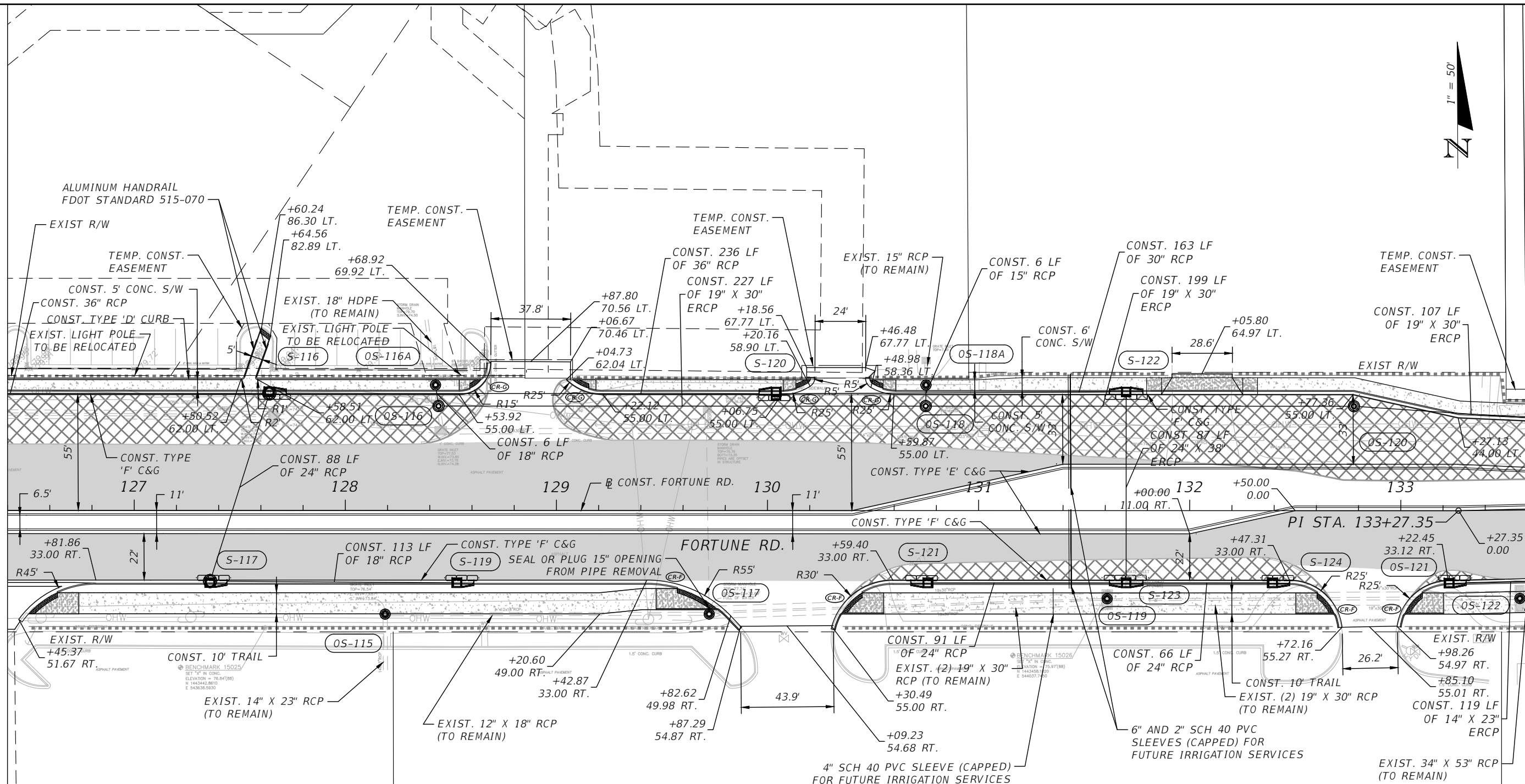
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SEE SHEET 18 FOR FORTUNE RD.  
MATCHLINE STA. - 126+40.00

MATCHLINE STA. - 133+60.00



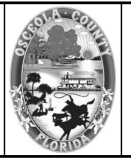
- OS-115**  
STA 128+18.89 (49.15 RT.)  
CONST. MANHOLE P-7 TOP  
STD. PLANS 425-010, 425-001  
TOP EL. 78.32  
FL 73.84 S (EXIST.)  
FL 73.87 E (EXIST.)
- OS-117**  
STA 129+72.39 (49.05 RT.)  
CONST. MANHOLE P-7 TOP  
STD. PLANS 425-010, 425-001  
TOP EL. 78.44  
FL W & E (EXIST.)
- OS-119**  
STA 131+60.92 (41.79 RT.)  
CONST. MANHOLE P-7 TOP  
STD. PLANS 425-010, 425-001  
TOP EL. 78.10  
FL 73.47 W (EXIST.)  
FL 73.37 E (EXIST.)
- OS-122**  
STA 133+56.03 (41.88 RT.)  
CONST. MANHOLE P-7 TOP  
STD. PLANS 425-010, 425-001  
TOP EL. 78.65  
FL 73.15 W (EXIST.)  
FL 73.10 W (EXIST.)

**LEGEND:**

- PAVEMENT WIDENING
- PROP. 4" CONC. SIDEWALK
- PROP. 6" CONC. DRIVEWAY AND CURB RAMPS
- INLET PROTECTION
- SEDIMENT BARRIER
- DETECTABLE WARNING DEVICE
- MILL AND RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineers | Scientists  
Planners | Designers  
225 E. Robinson Street, Suite 300  
Orlando, FL 32801 (407)839-4006  
Certificate of Authorization # 3932  
Mark F. Bertoncini, P.E.  
PE # 63437



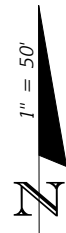
OSCEOLA COUNTY  
FLORIDA

FORTUNE RD PLAN SHEET 4

SHEET NO.  
25

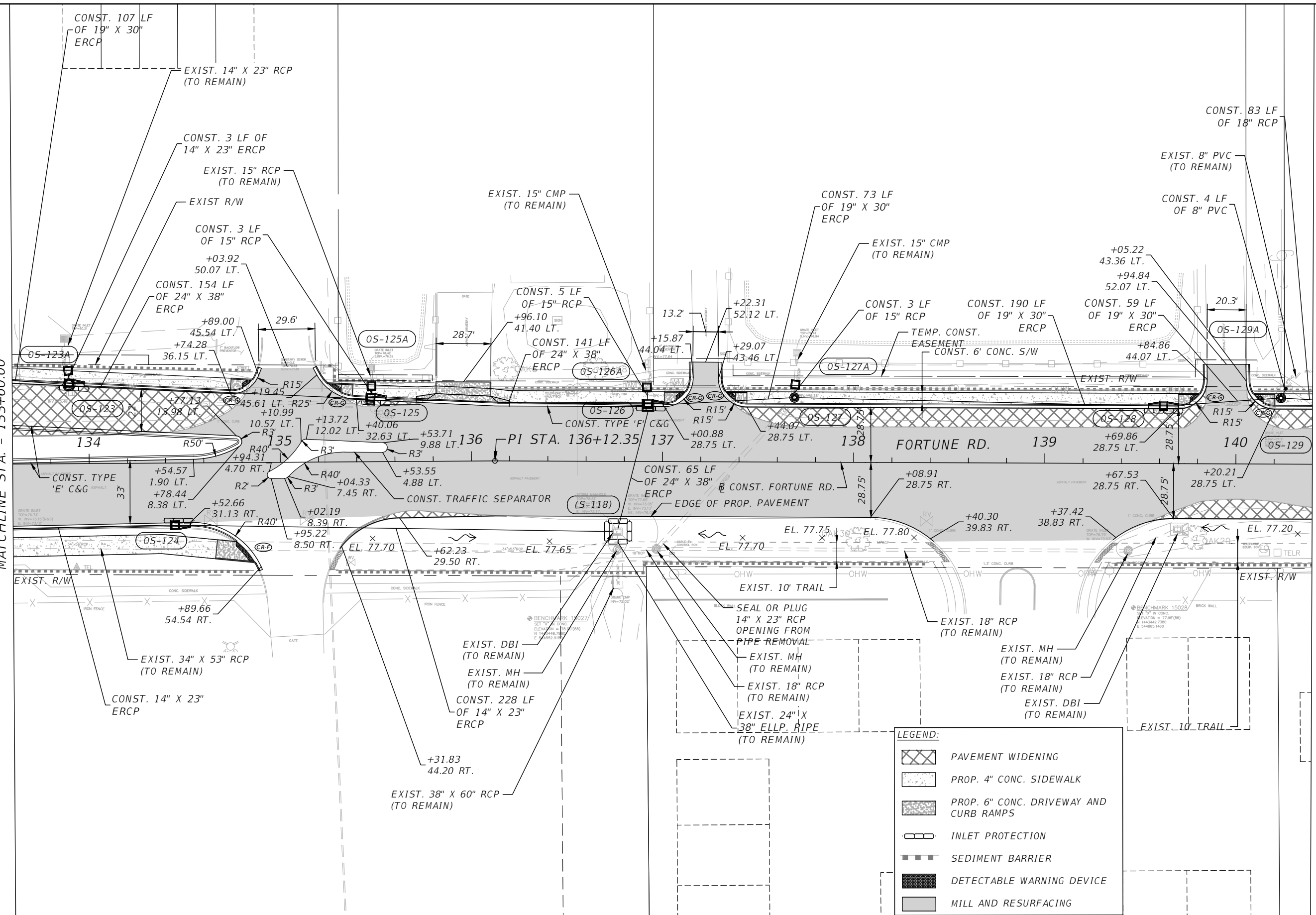
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MATCHLINE STA. - 133+60.00

MATCHLINE STA. - 140+40.00



**LEGEND:**

	PAVEMENT WIDENING
	PROP. 4" CONC. SIDEWALK
	PROP. 6" CONC. DRIVEWAY AND CURB RAMPS
	INLET PROTECTION
	SEDIMENT BARRIER
	DETECTABLE WARNING DEVICE
	MILL AND RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineers | Scientists  
Planners | Designers  
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Orlando, FL 32801 (407)839-4006  
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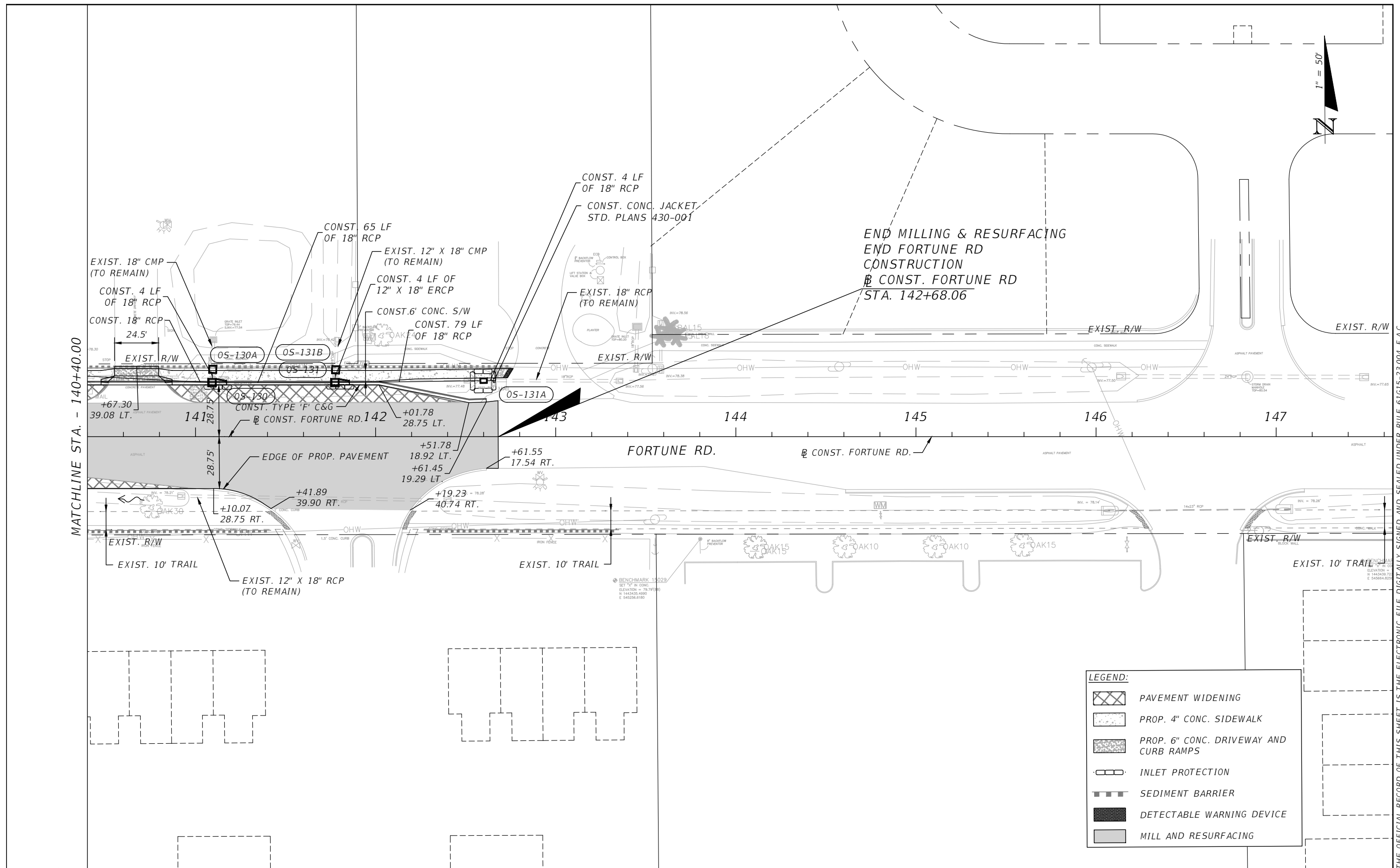


OSCEOLA COUNTY  
FLORIDA

FORTUNE RD PLAN SHEET 5

SHEET NO.  
26

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MATCHLINE STA. - 140+40.00

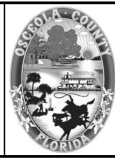


**LEGEND:**

	PAVEMENT WIDENING
	PROP. 4" CONC. SIDEWALK
	PROP. 6" CONC. DRIVEWAY AND CURB RAMPS
	INLET PROTECTION
	SEDIMENT BARRIER
	DETECTABLE WARNING DEVICE
	MILL AND RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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Planners | Designers  
225 E. Robinson Street, Suite 300  
Orlando, FL 32801 (407)839-4006  
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Mark F. Bertoncini, P.E.  
PE # 63437



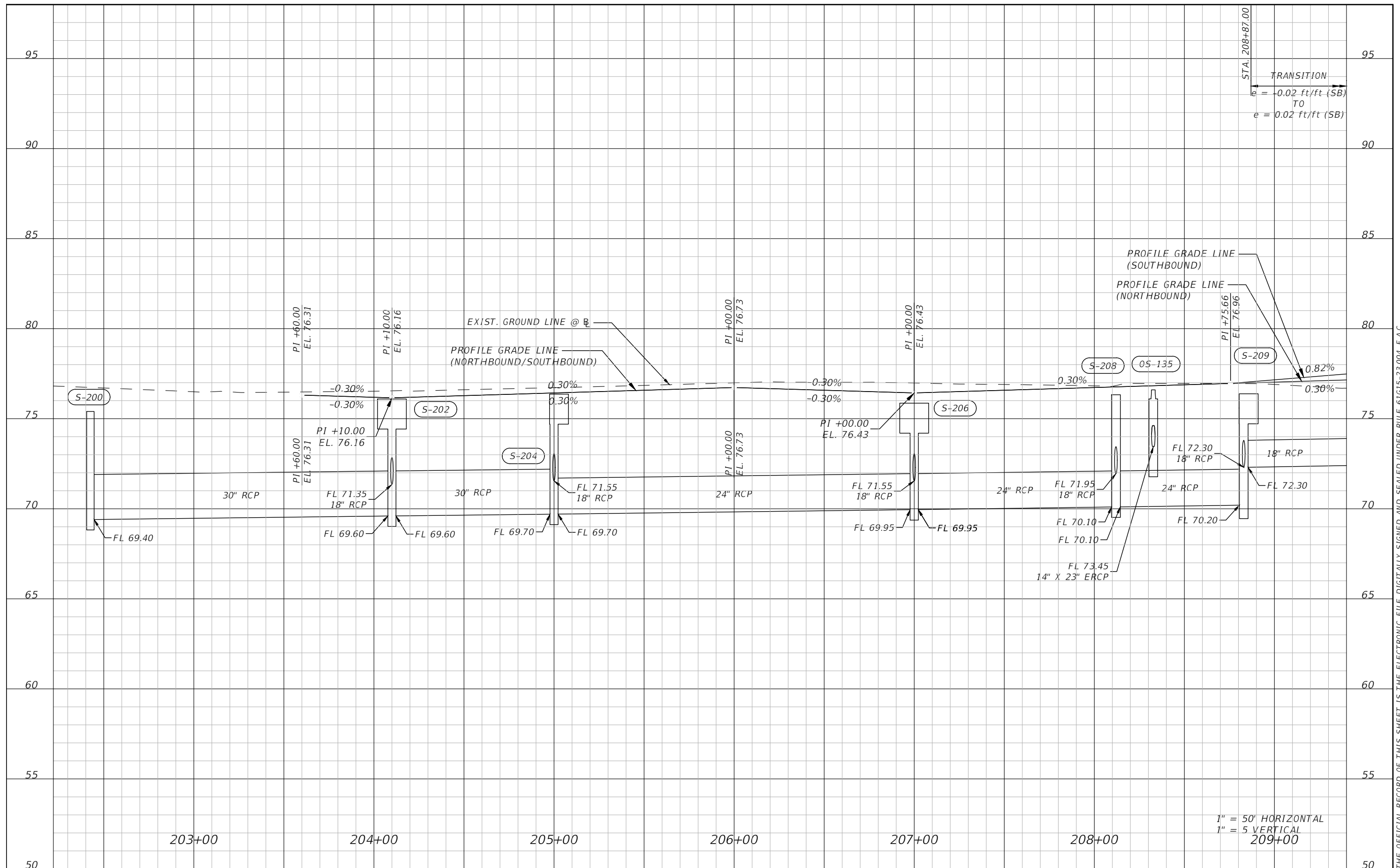
OSCEOLA COUNTY  
FLORIDA

FORTUNE RD PLAN SHEET 6

SHEET NO.  
27

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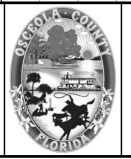
1" = 50' HORIZONTAL  
1" = 5' VERTICAL  
209+00

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



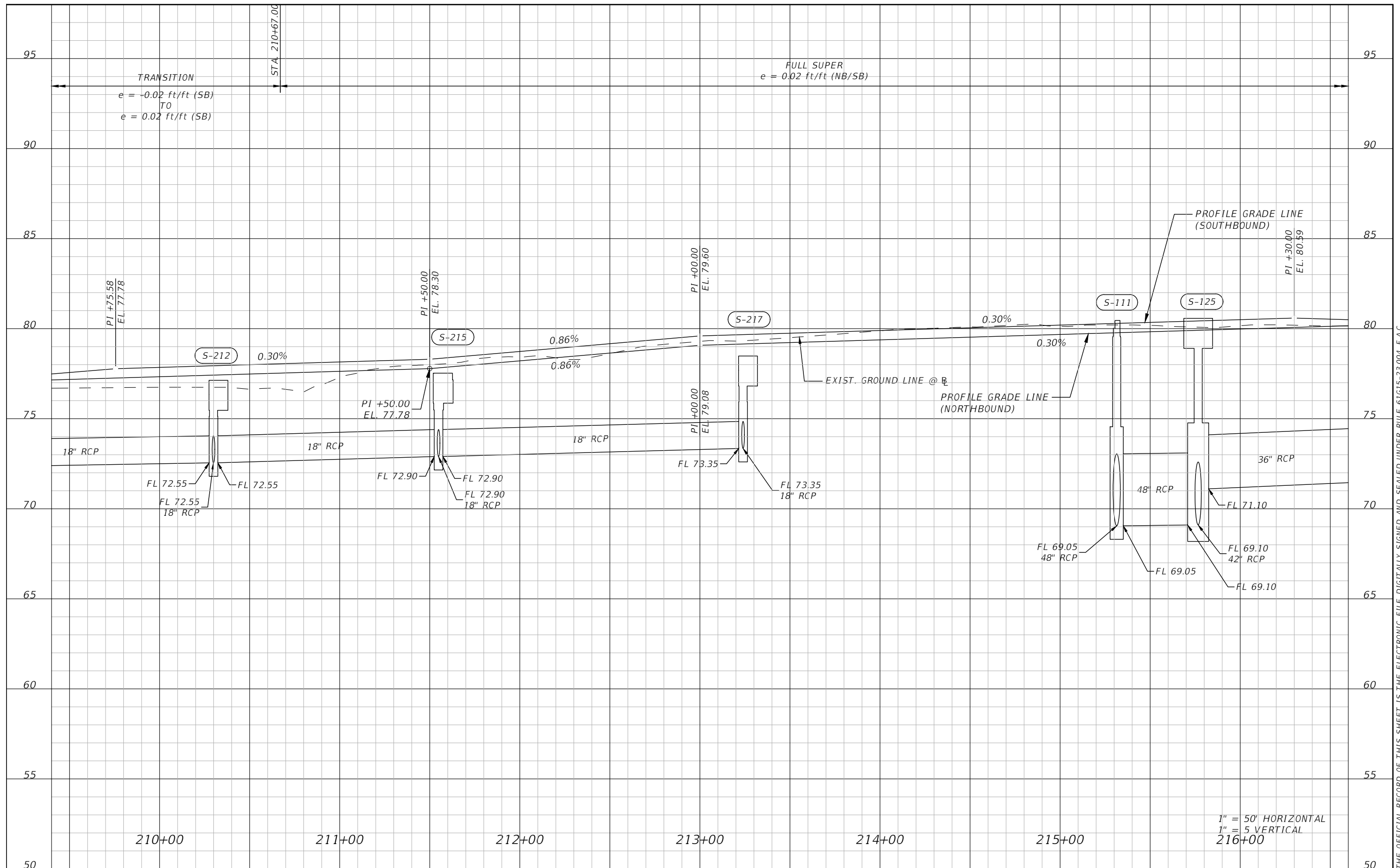
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Certificate of Authorization # 3932  
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PE # 63437



OSCEOLA COUNTY  
FLORIDA

SIMPSON RD PROFILE SHEET 1

SHEET NO.  
28



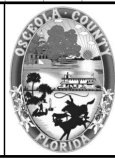
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

1" = 50' HORIZONTAL  
1" = 5' VERTICAL  
216+00

REVISIONS			
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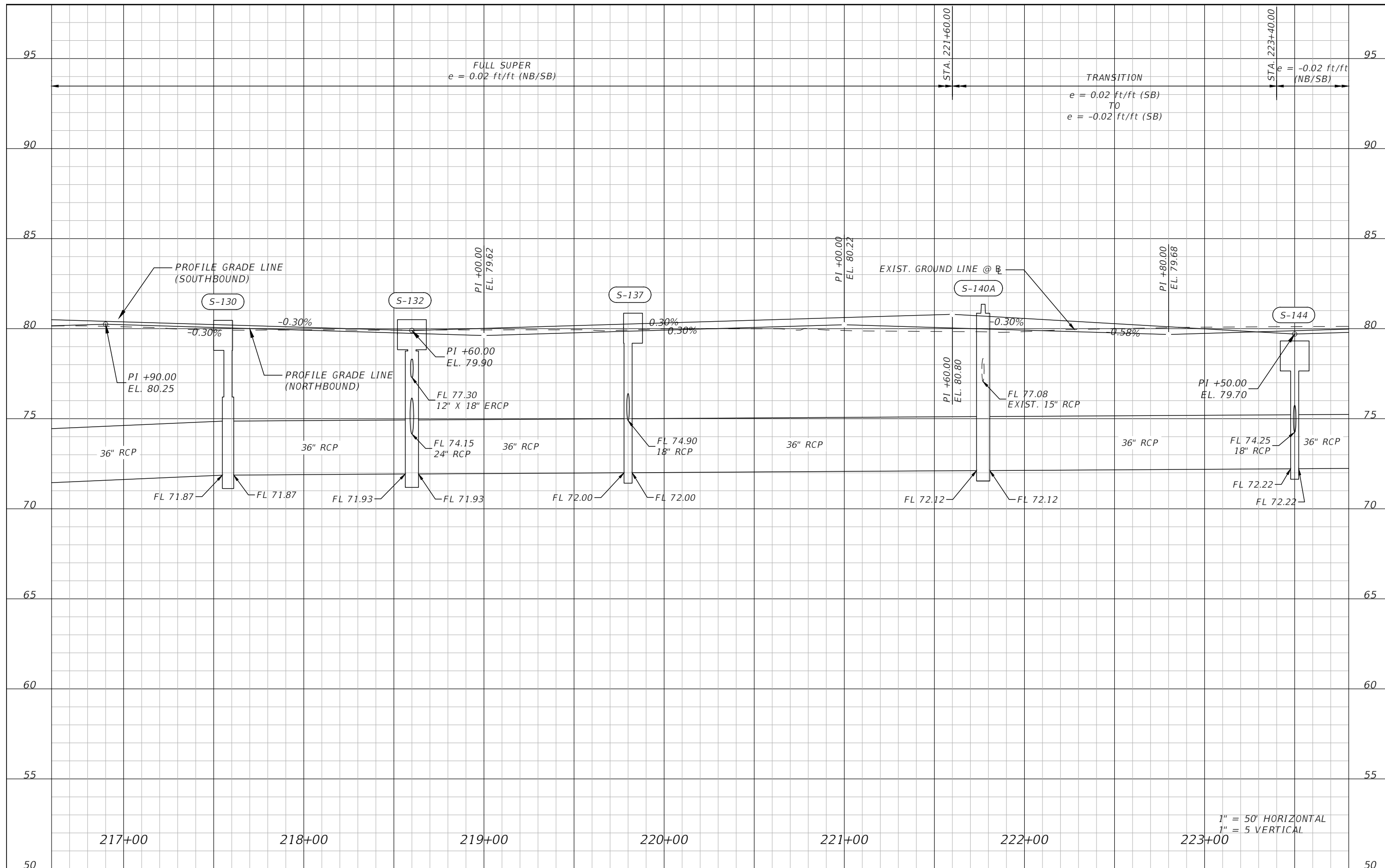


OSCEOLA COUNTY  
FLORIDA

SIMPSON RD PROFILE SHEET 2

SHEET NO.  
29



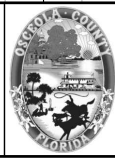


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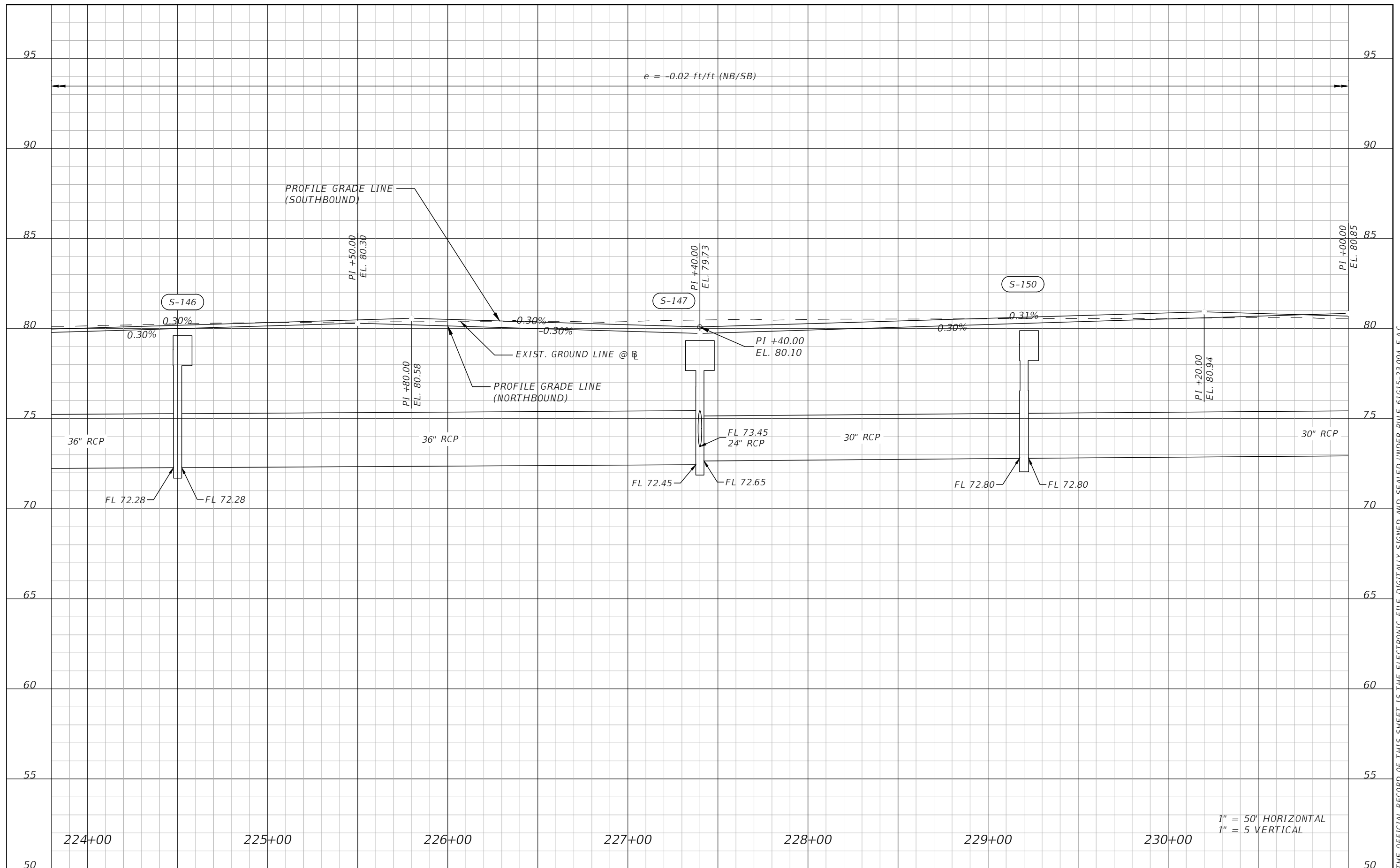
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OSCEOLA COUNTY  
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SIMPSON RD PROFILE SHEET 3

SHEET NO.  
 30

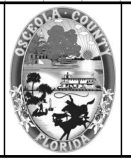


1" = 50' HORIZONTAL  
1" = 5' VERTICAL

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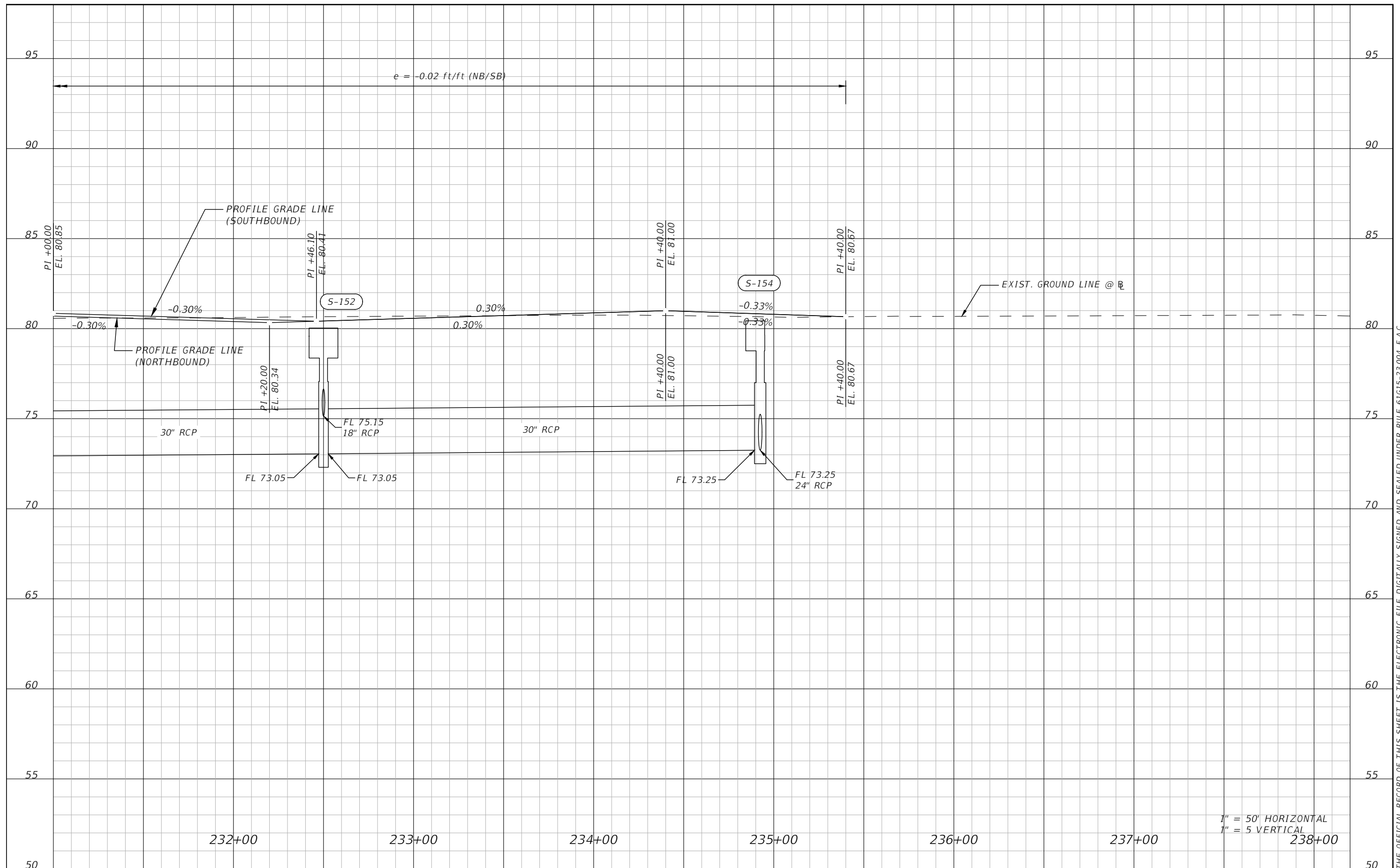


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SIMPSON RD PROFILE SHEET 4

SHEET NO.  
31

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1" = 50' HORIZONTAL  
1" = 5' VERTICAL

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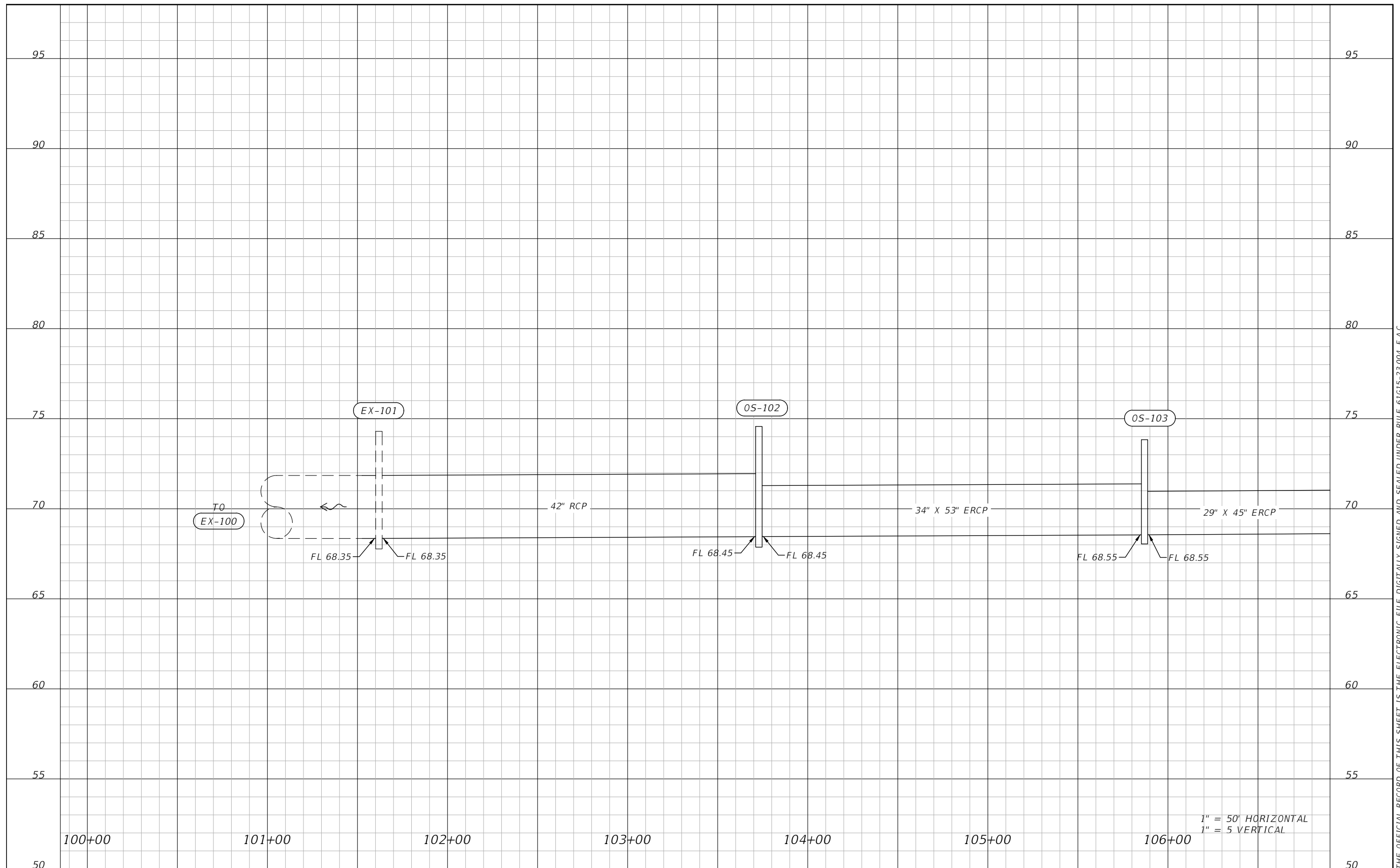


OSCEOLA COUNTY  
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SIMPSON RD PROFILE SHEET 5

SHEET NO.  
32





1" = 50' HORIZONTAL  
1" = 5' VERTICAL

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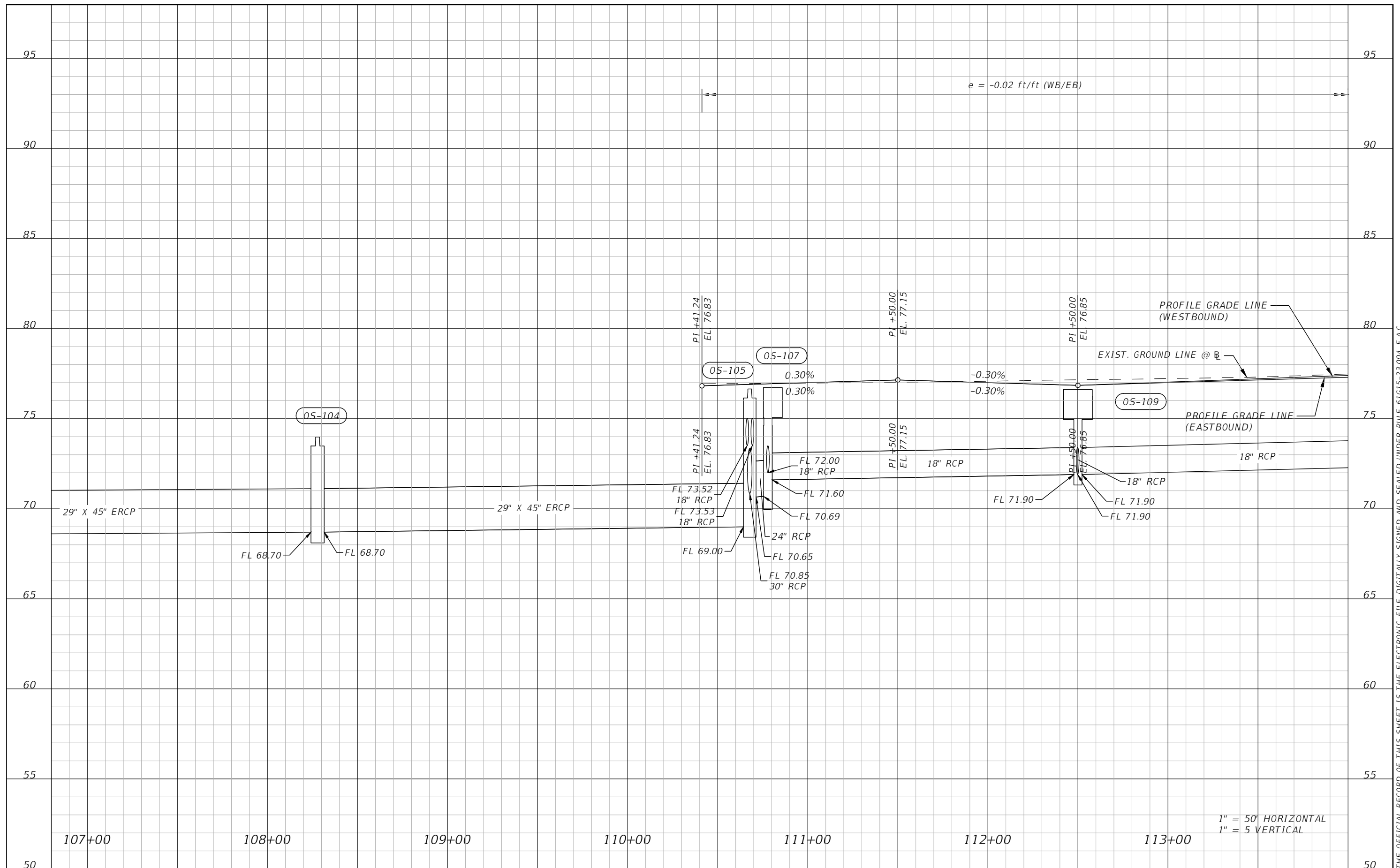


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FORTUNE RD PROFILE SHEET 1

SHEET NO.  
33

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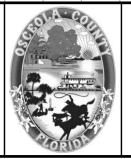


1" = 50' HORIZONTAL  
1" = 5' VERTICAL

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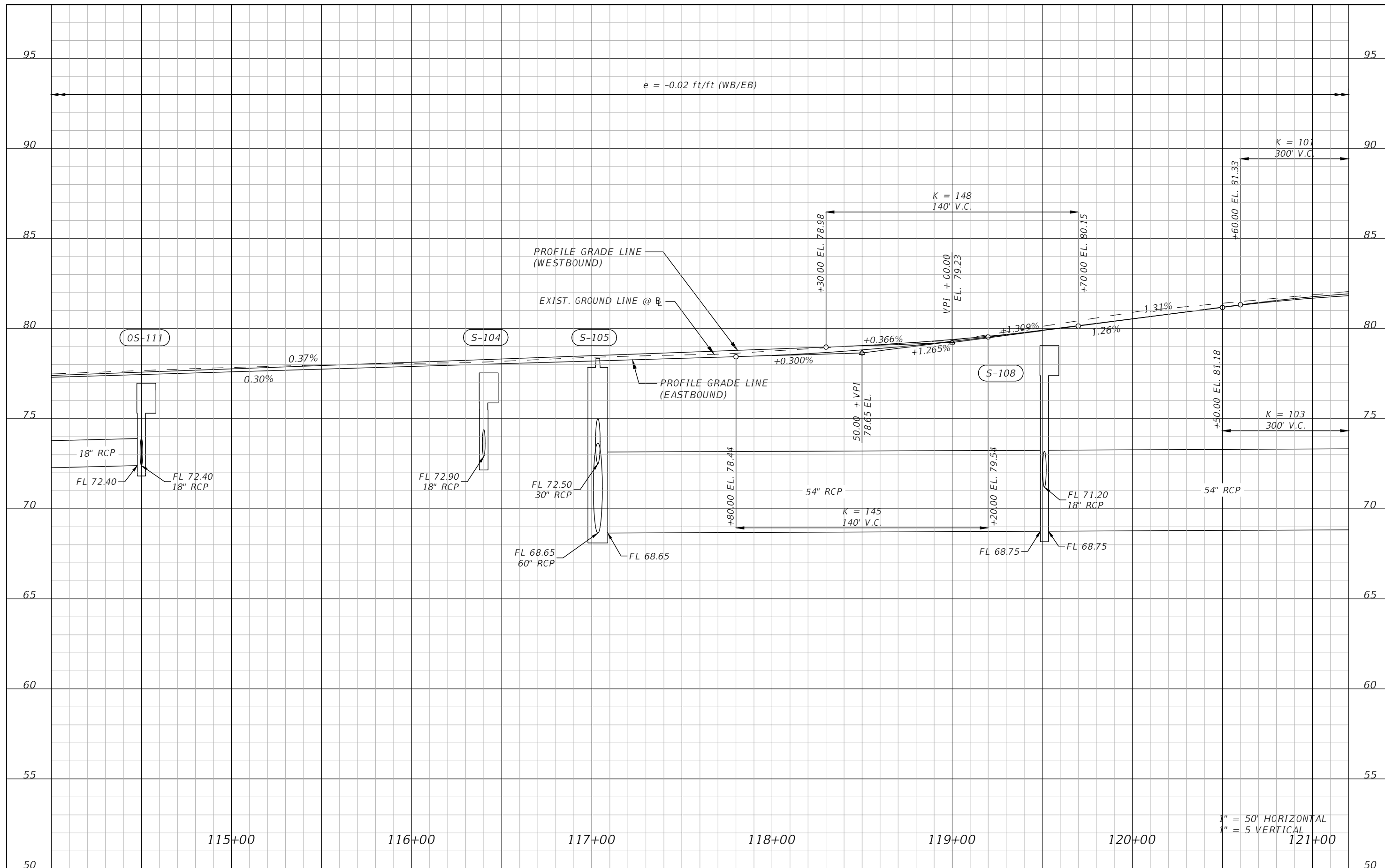


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FORTUNE RD PROFILE SHEET 2

SHEET NO.
34

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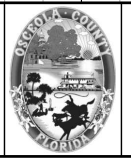


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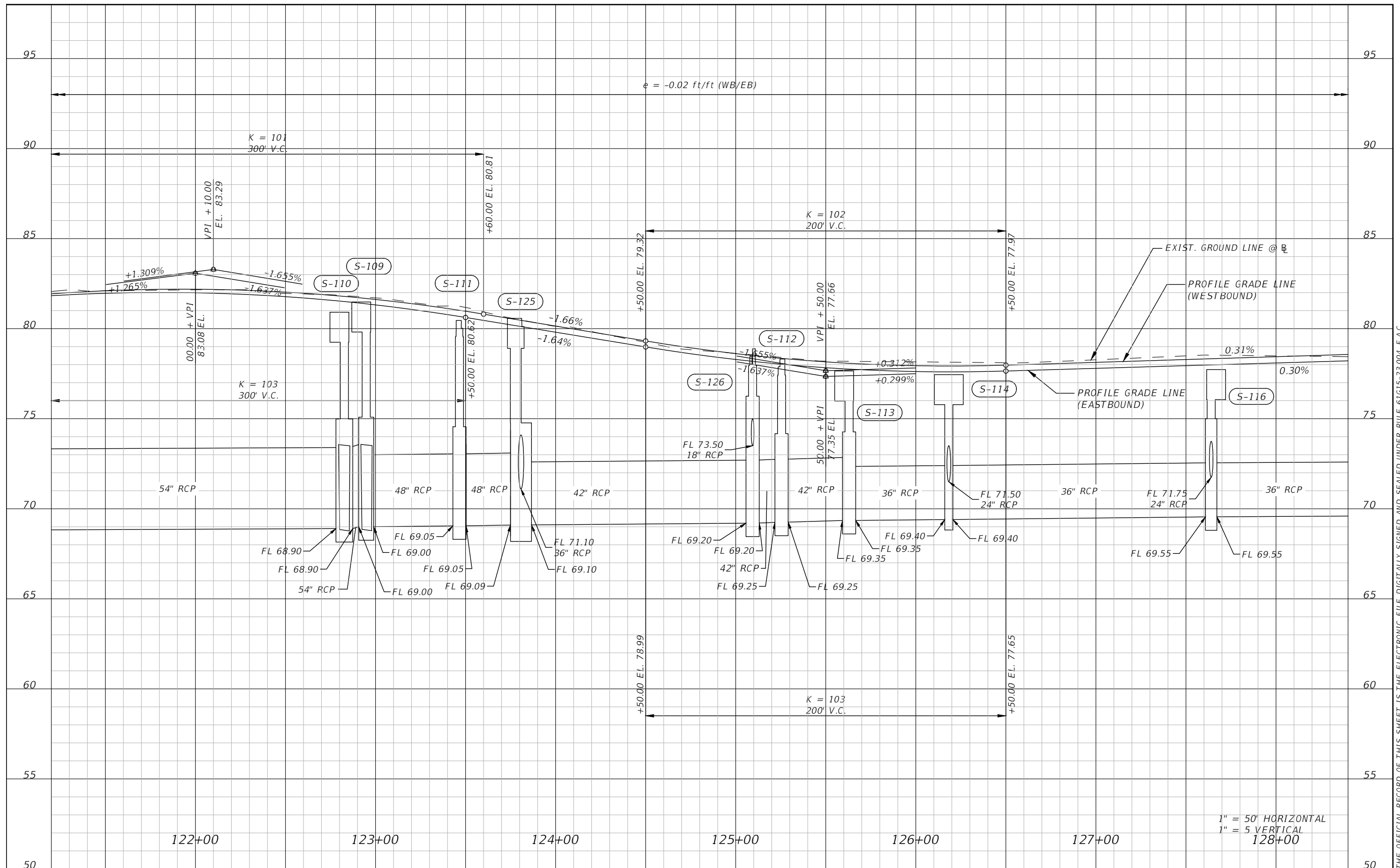
OSCEOLA COUNTY  
FLORIDA

FORTUNE RD PROFILE SHEET 3

SHEET NO.  
35

1" = 50' HORIZONTAL  
1" = 5' VERTICAL



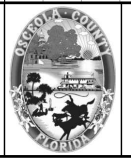


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1" = 50' HORIZONTAL  
1" = 5' VERTICAL  
128+00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

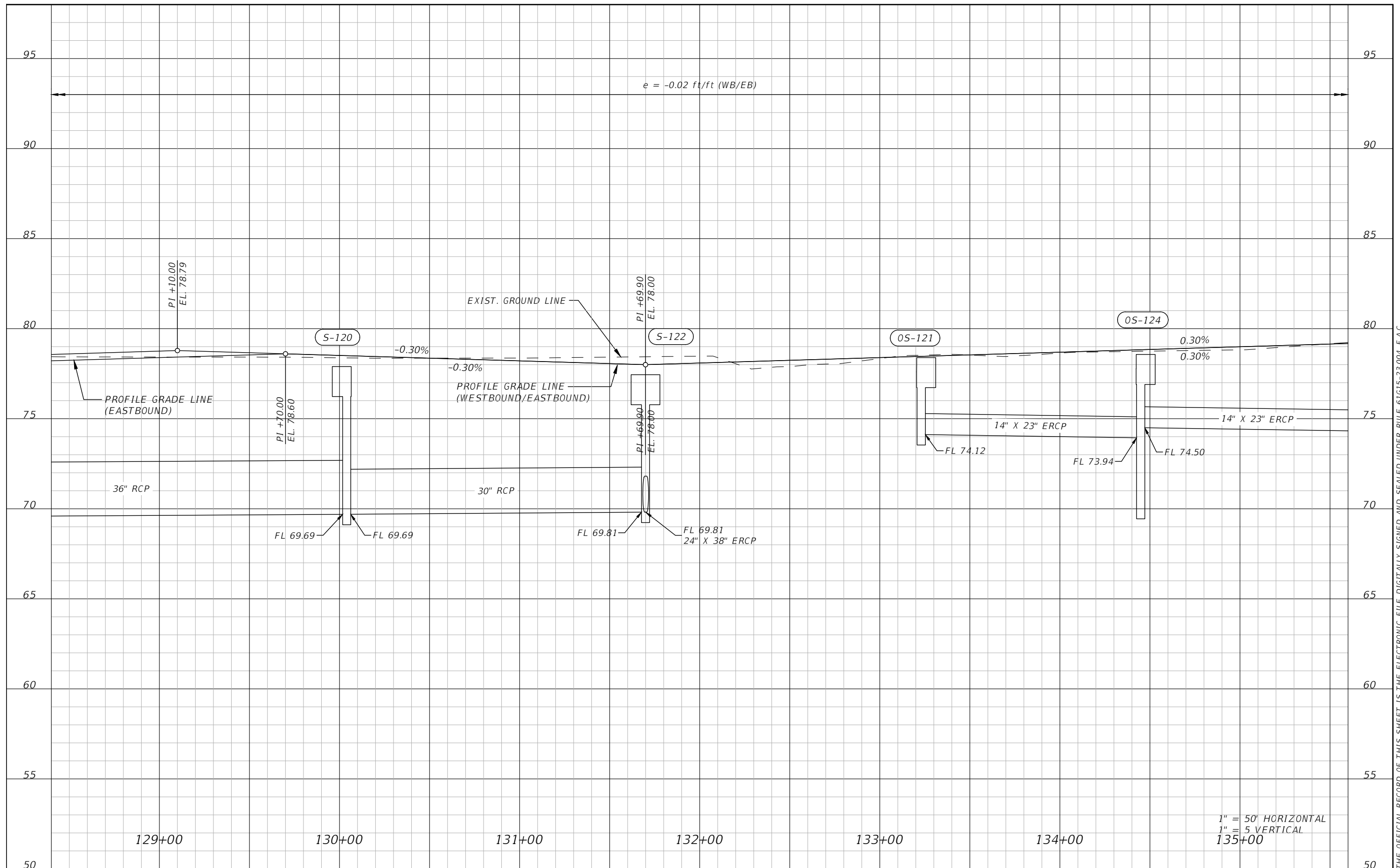
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FORTUNE RD PROFILE SHEET 4

SHEET NO.  
36

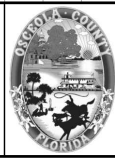


1" = 50' HORIZONTAL  
 1" = 5' VERTICAL  
 135+00

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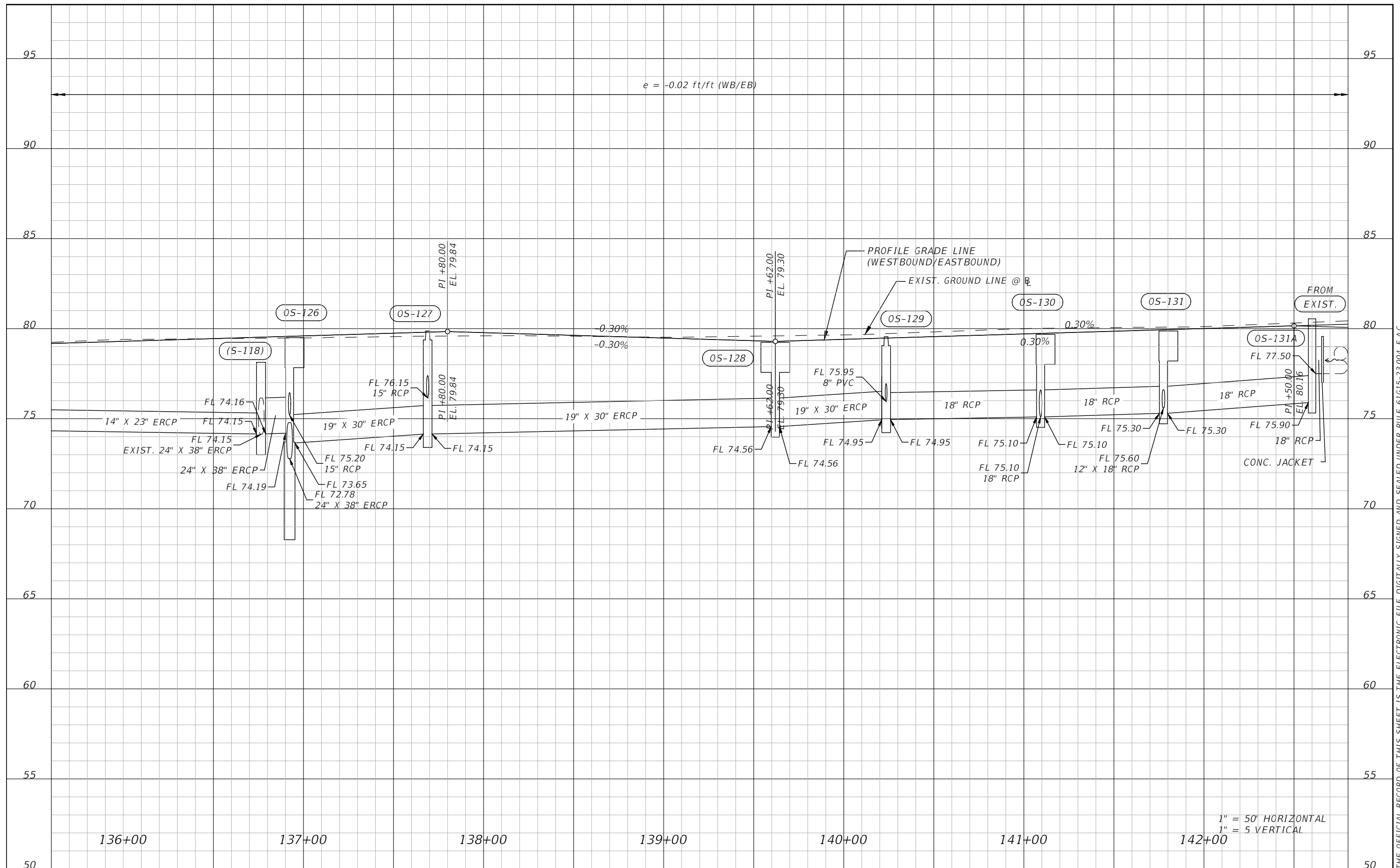


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FORTUNE RD PROFILE SHEET 5

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 37

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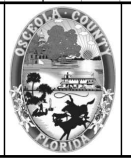


1" = 50' HORIZONTAL  
1" = 5' VERTICAL

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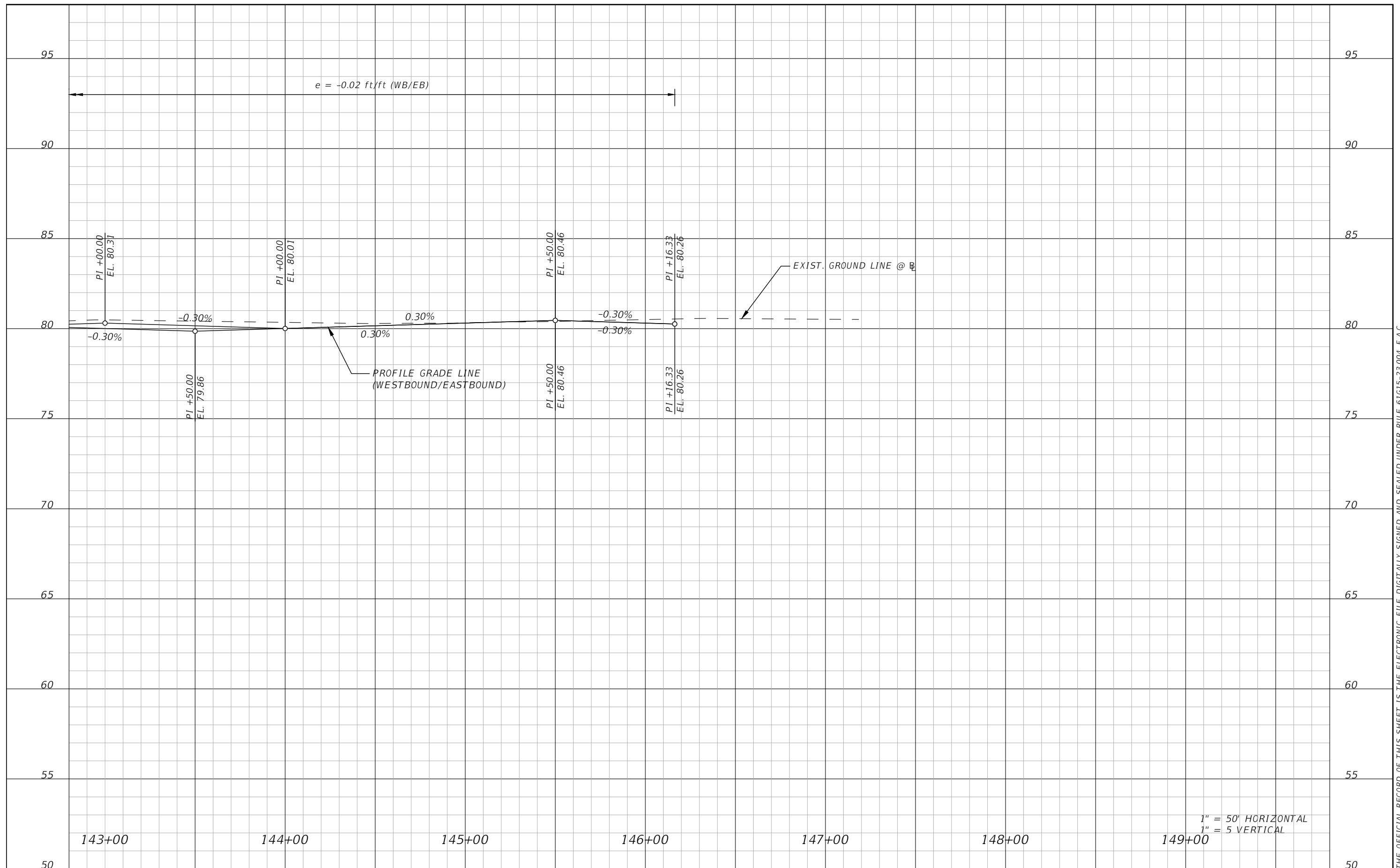
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SHEET NO.
38

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PE # 63437

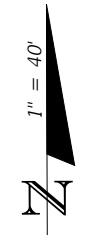
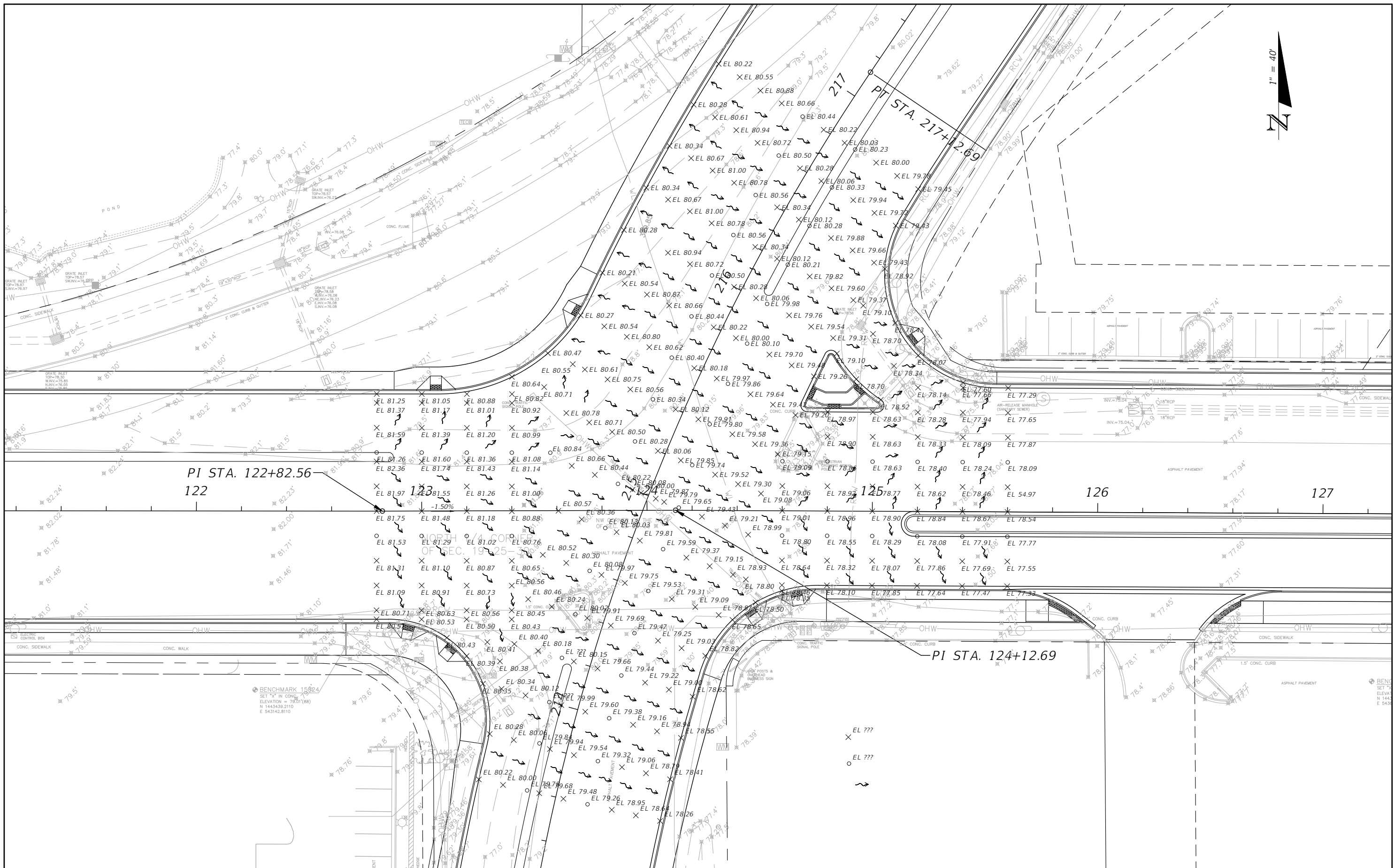


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FORTUNE RD PROFILE SHEET 7

SHEET NO.  
39


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PI STA. 122+82.56  
122

PI STA. 124+12.69

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PE # 63437

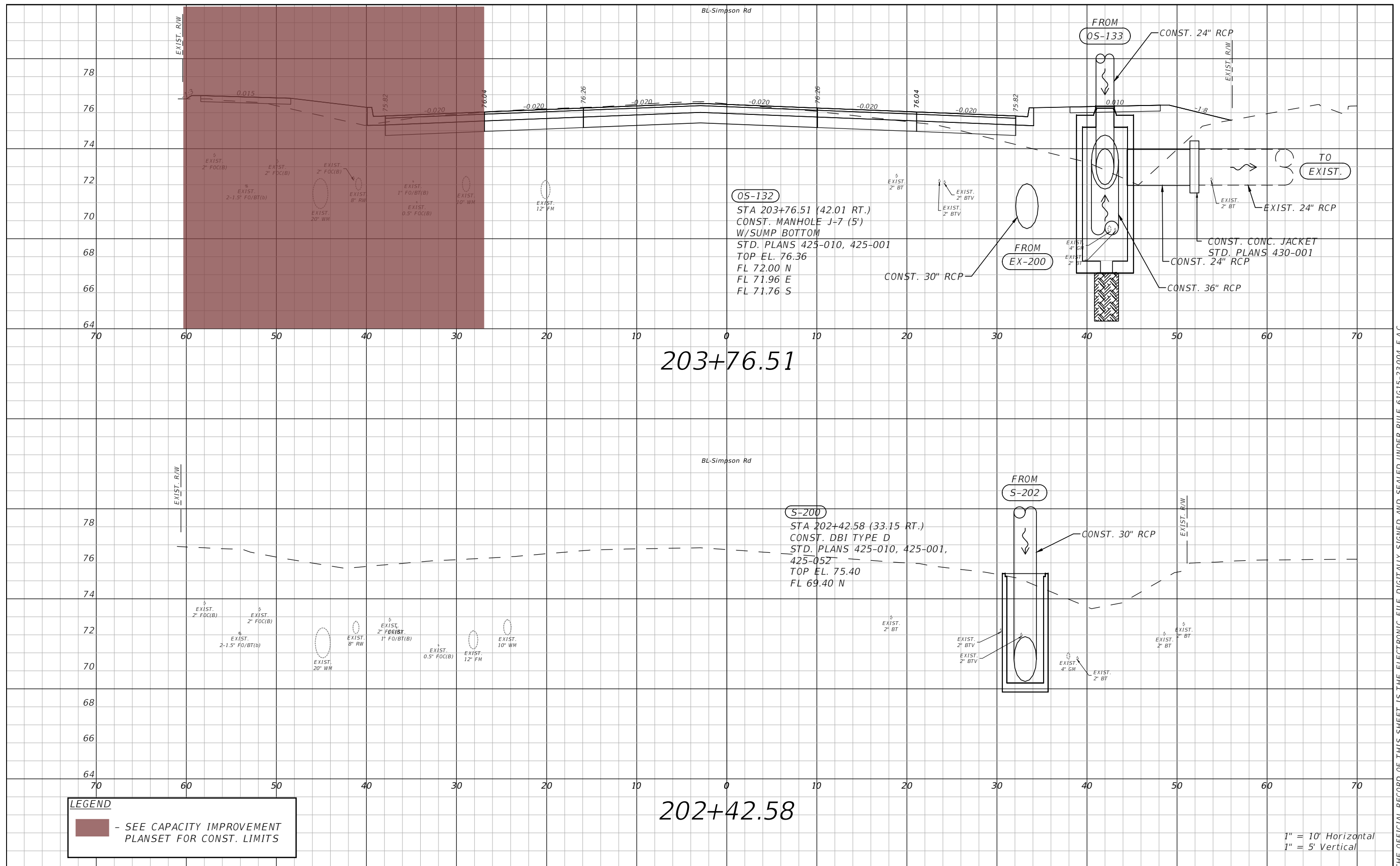


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INTERSECTION GRADING

SHEET  
NO.  
40

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**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 10' Horizontal  
 1" = 5' Vertical

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 Certificate of Authorization # 3932  
 Paul W. Yeargain, P.E.  
 PE # 50682



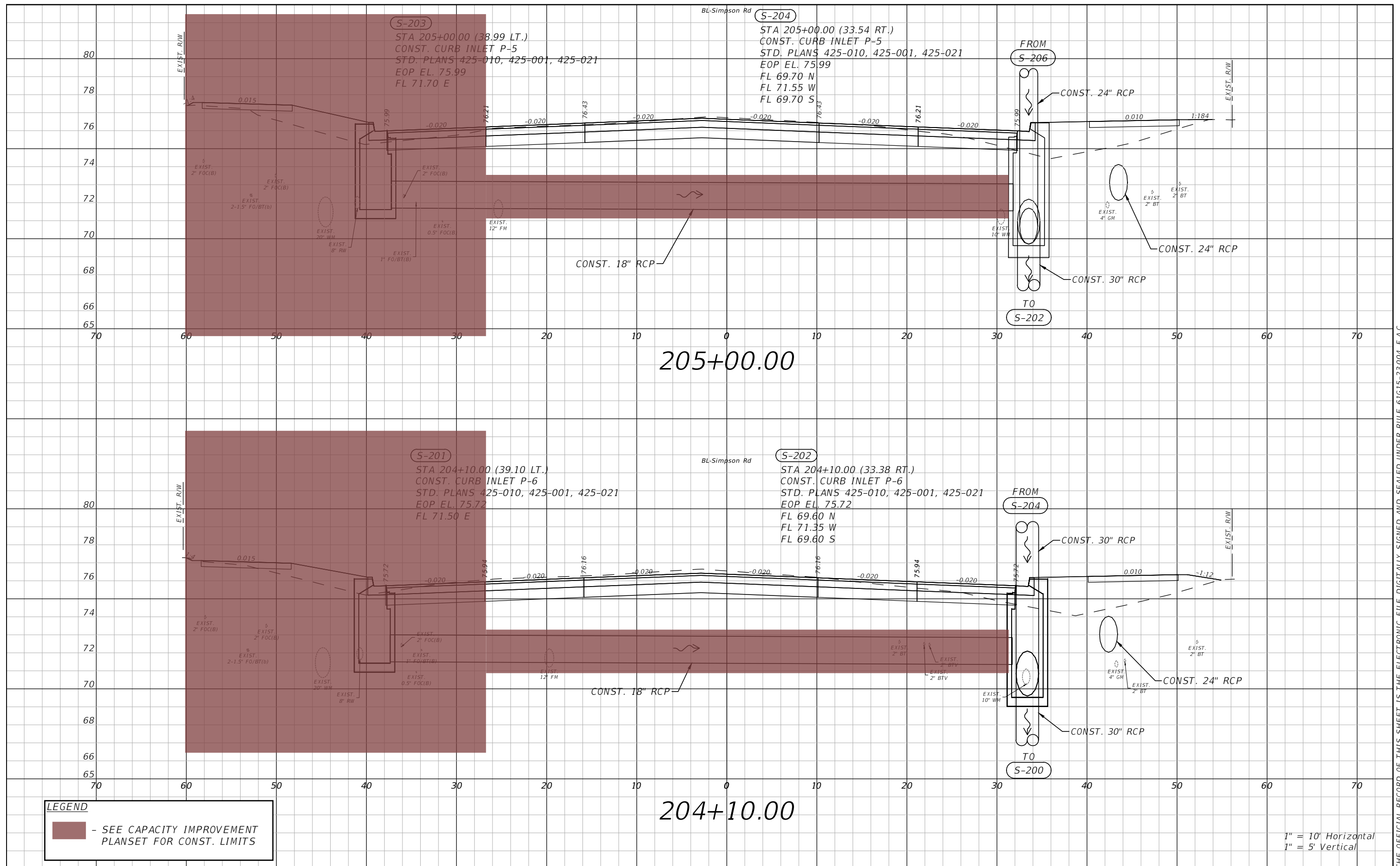
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**SIMPSON RD DRAINAGE  
 STRUCTURE SECTIONS SHEET 1**

SHEET NO.  
 41

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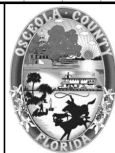


**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 10' Horizontal  
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 Certificate of Authorization # 3932  
 Paul W. Yeargain, P.E.  
 PE # 50682

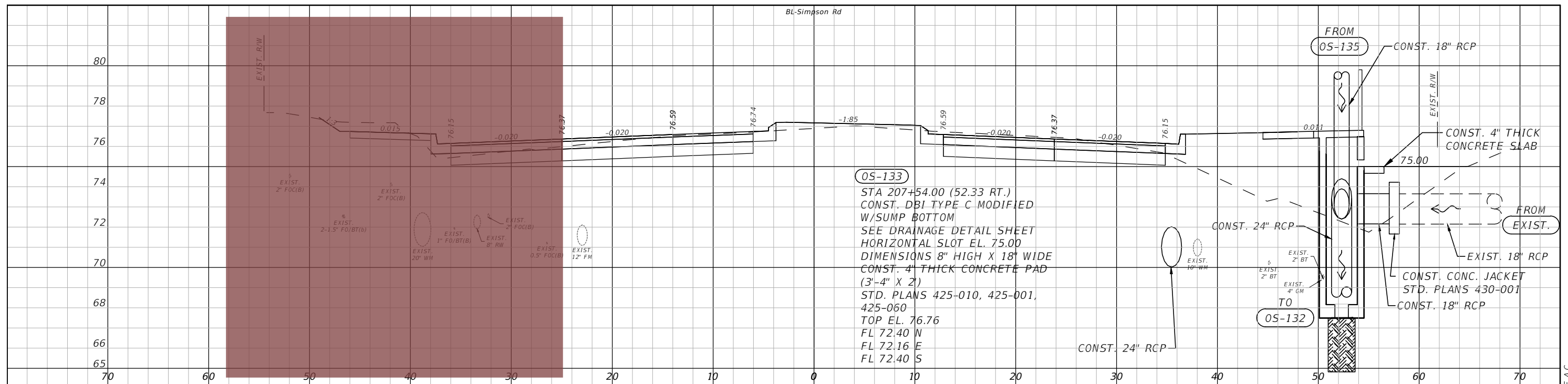


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 FLORIDA

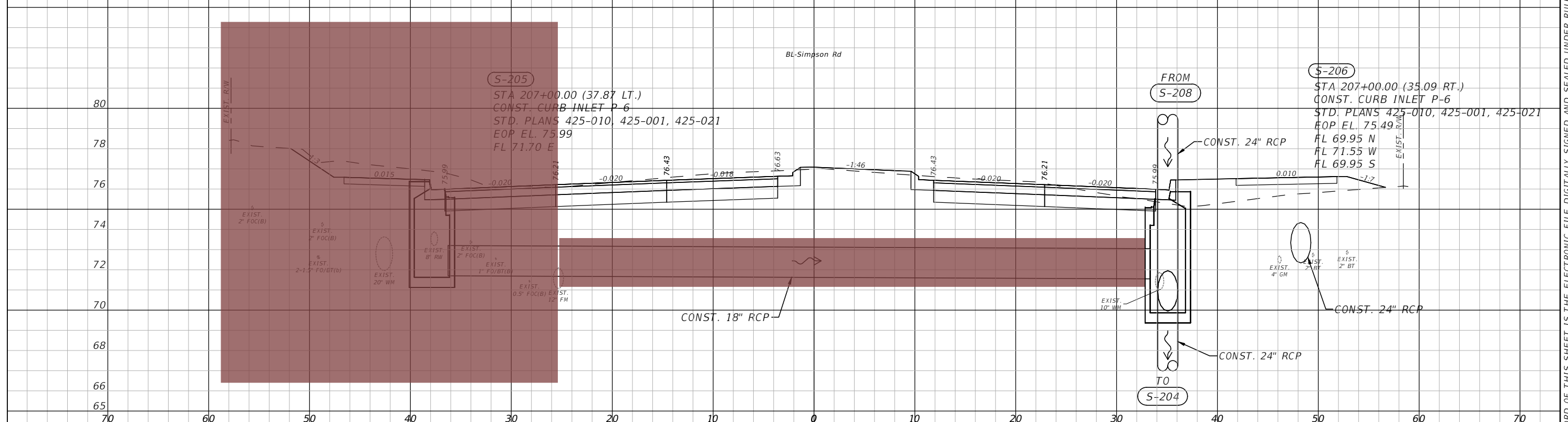
**SIMPSON RD DRAINAGE  
 STRUCTURE SECTIONS SHEET 2**

SHEET NO.  
 42

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207+54.00



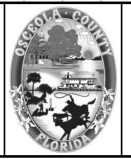
207+00.00

**LEGEND**  
 ■ - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 10' Horizontal  
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 PE # 50682

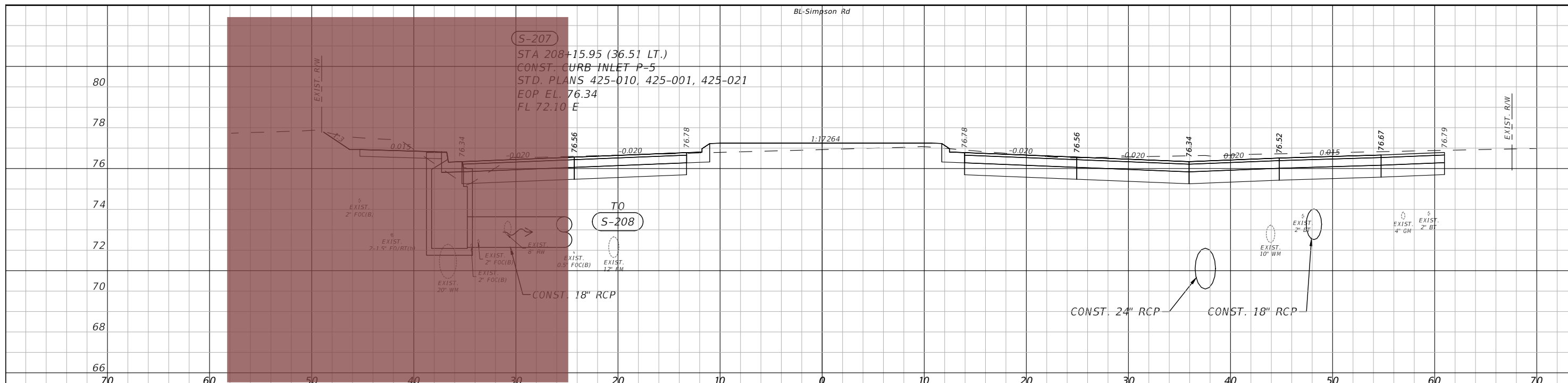


OSCEOLA COUNTY  
 FLORIDA

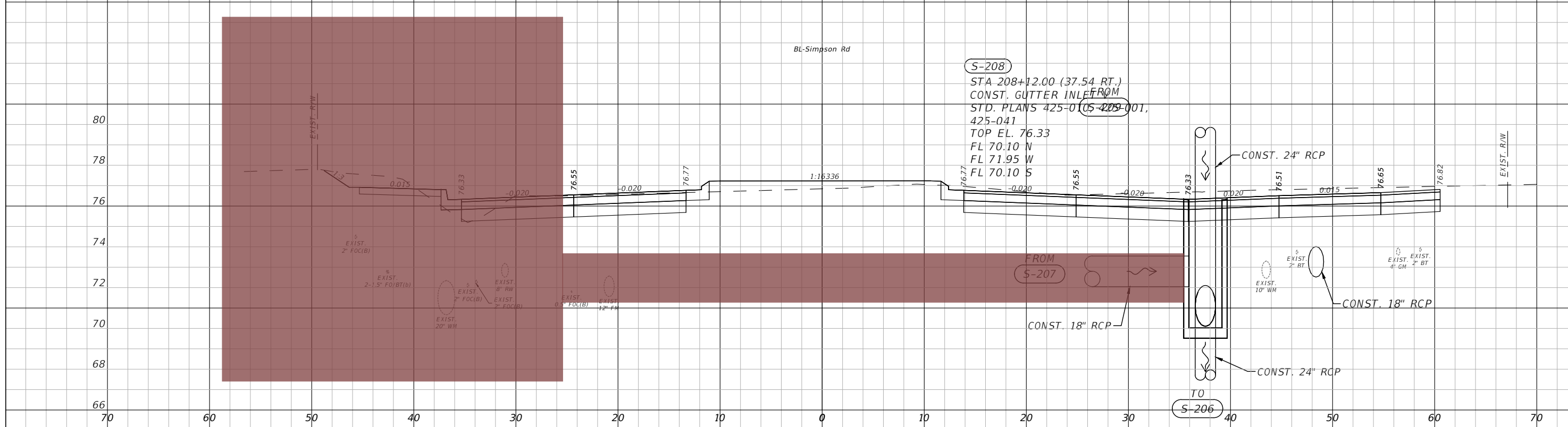
**SIMPSON RD DRAINAGE  
 STRUCTURE SECTIONS SHEET 3**

SHEET NO.  
 43

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208+15.95



208+12.00

**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 10' Horizontal  
 1" = 5' Vertical

REVISIONS			
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 PE # 50682



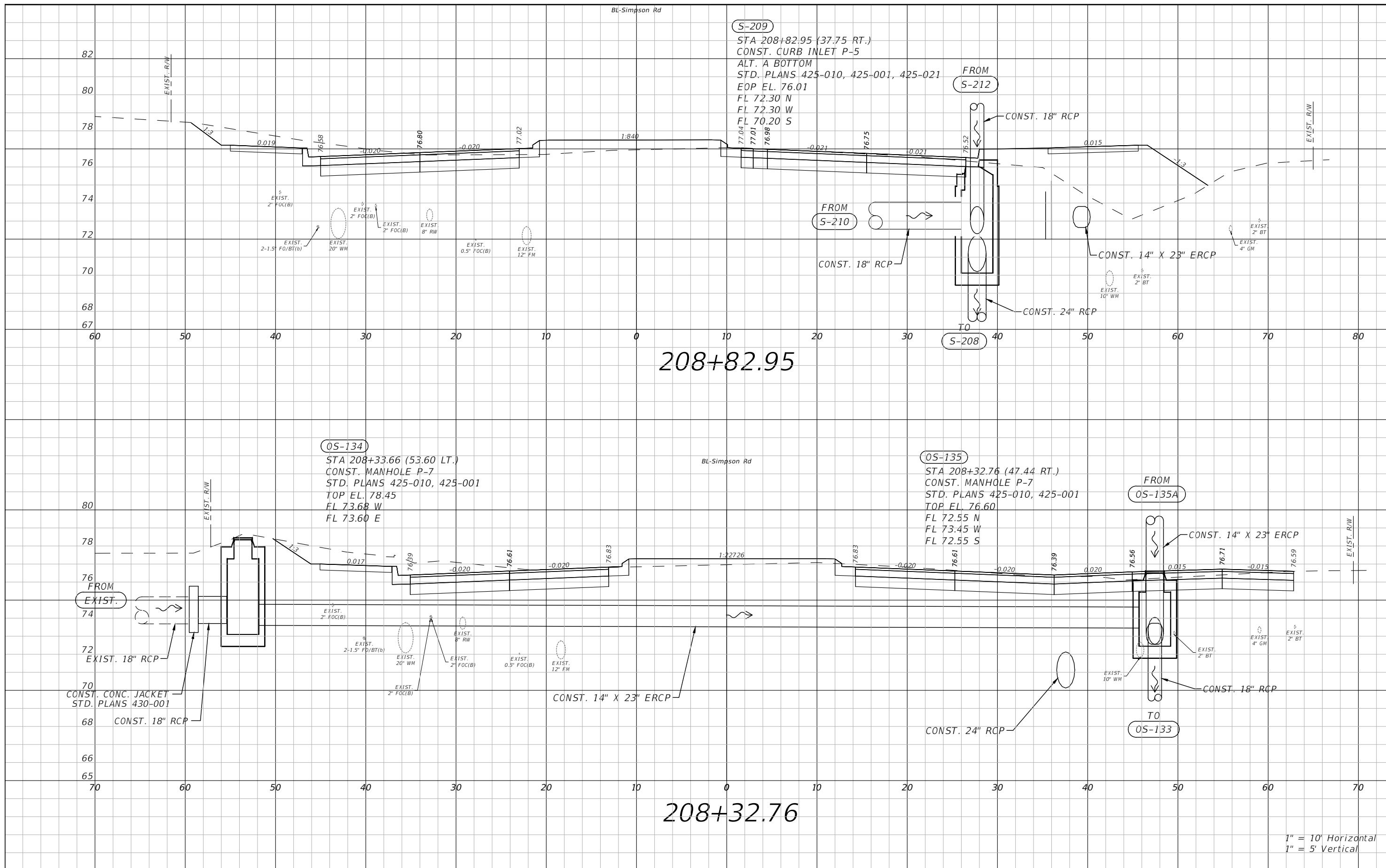
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**SIMPSON RD DRAINAGE  
 STRUCTURE SECTIONS SHEET 4**

SHEET NO.  
 44

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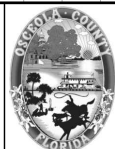




1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 PE # 50682

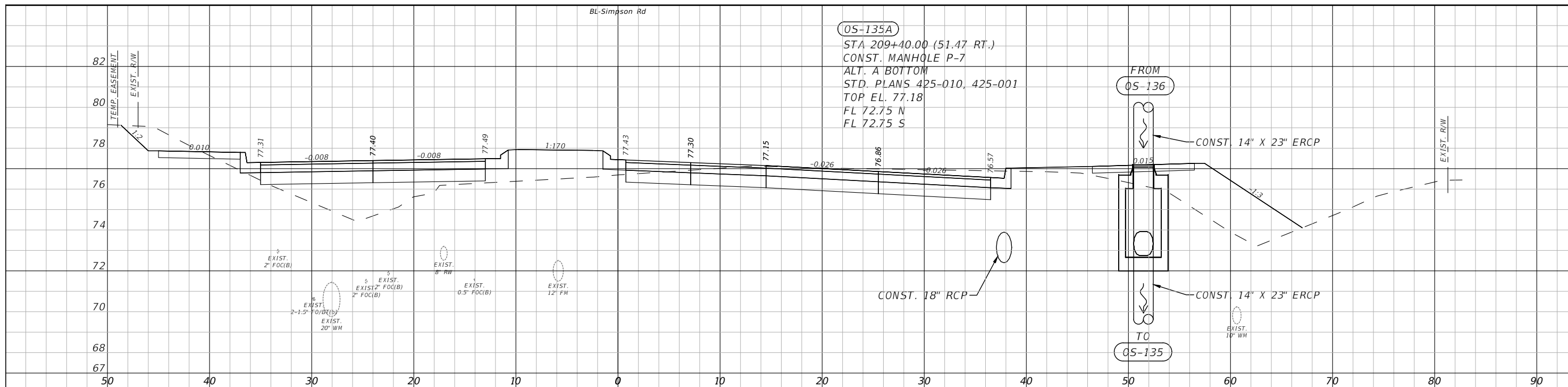


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FLORIDA

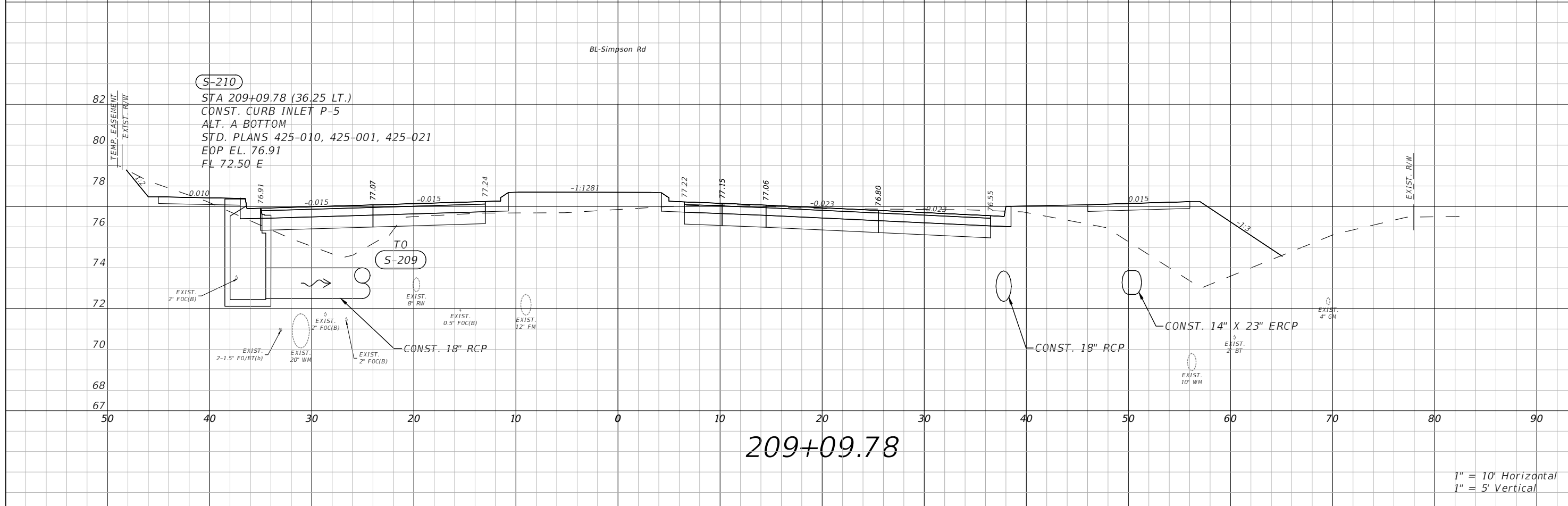
**SIMPSON RD DRAINAGE  
STRUCTURE SECTIONS SHEET 5**

SHEET NO.  
45

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209+40.00



209+09.78

1" = 10' Horizontal  
1" = 5' Vertical

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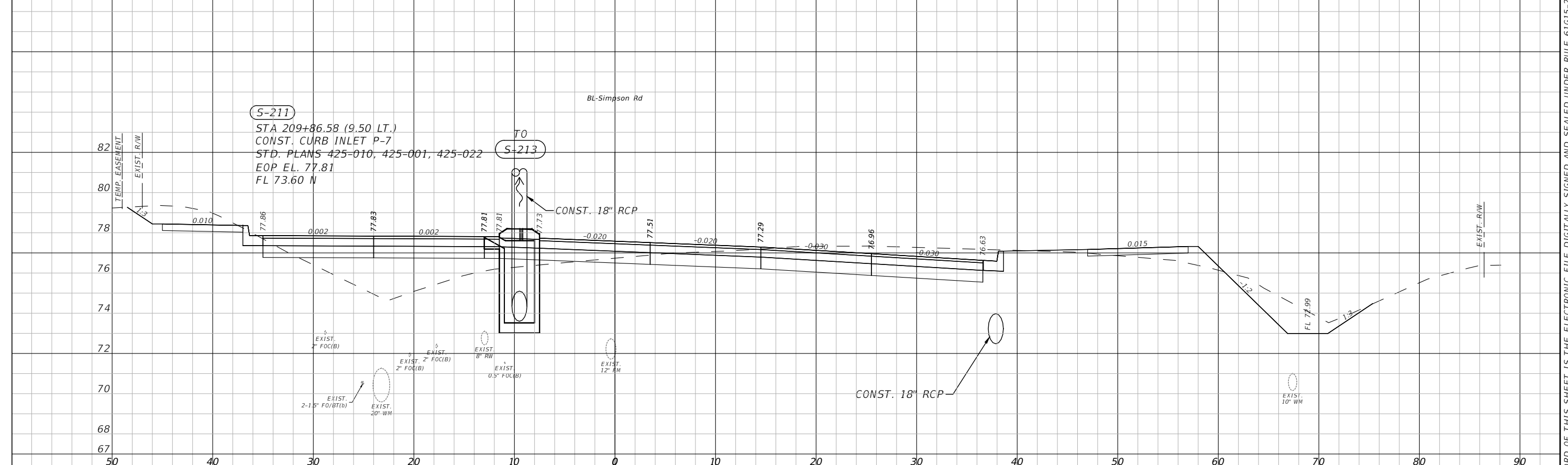
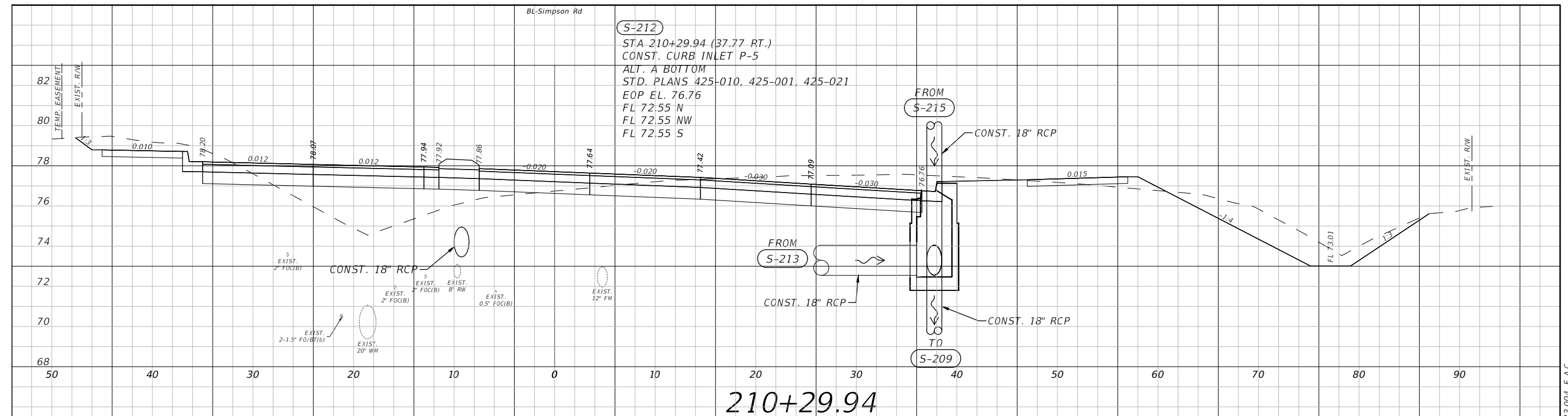


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**SIMPSON RD DRAINAGE  
 STRUCTURE SECTIONS SHEET 6**

SHEET  
 NO.  
 46

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1" = 10' Horizontal  
1" = 5' Vertical

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 PE # 50682

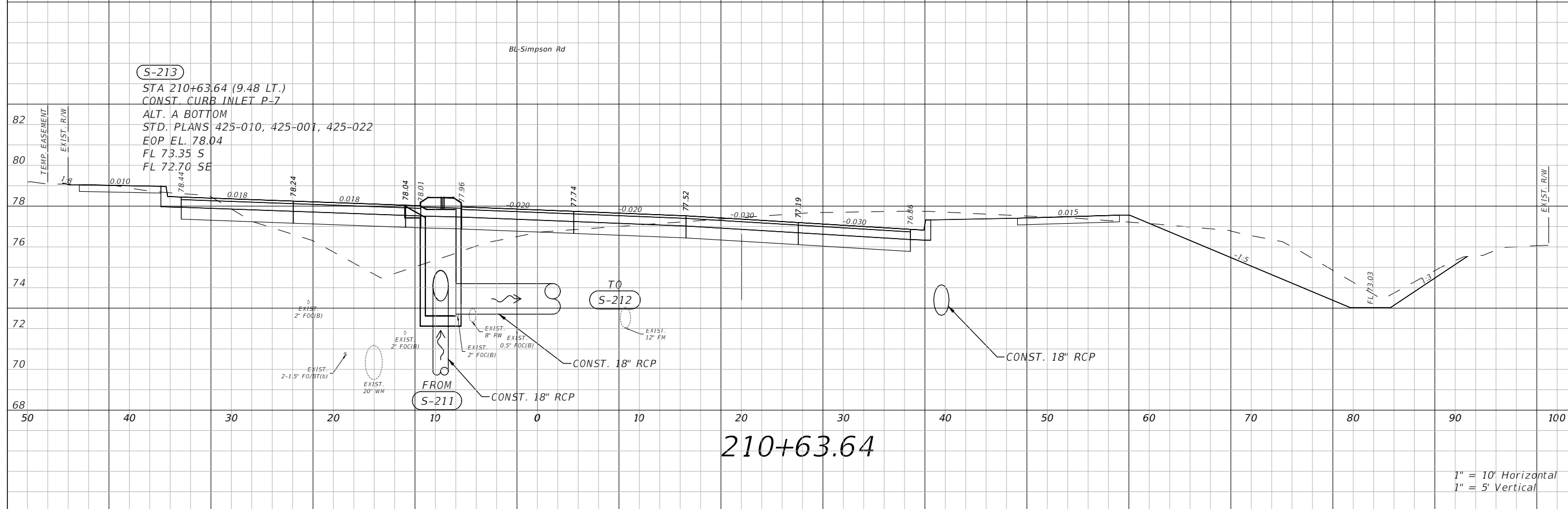
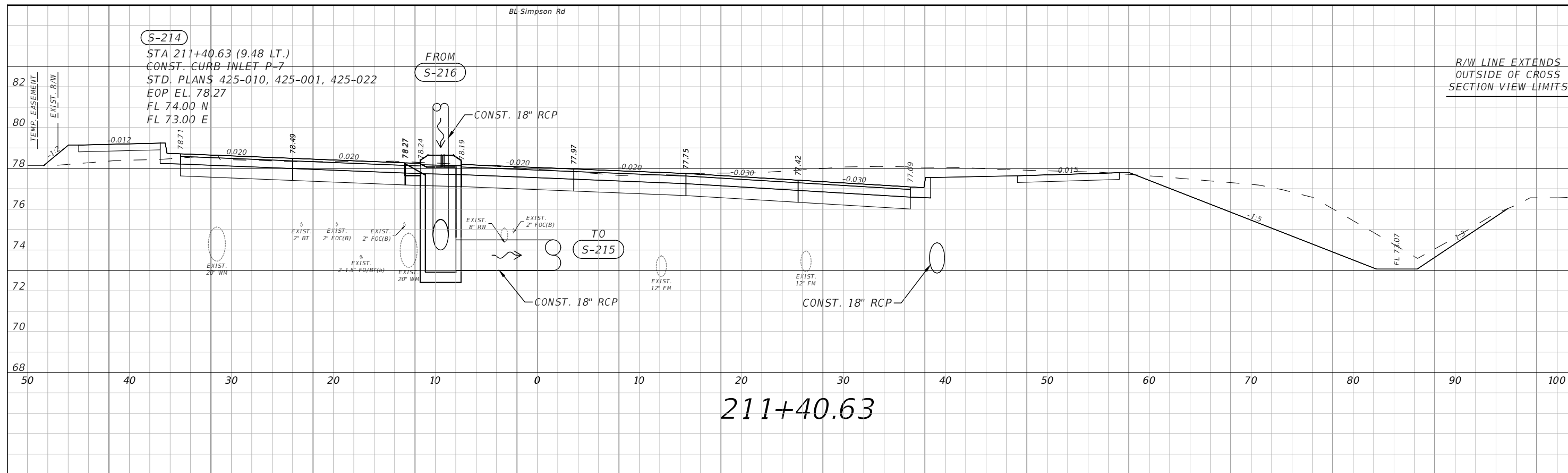


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**SIMPSON RD DRAINAGE  
STRUCTURE SECTIONS SHEET 7**

SHEET NO.  
47

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 PE # 50682



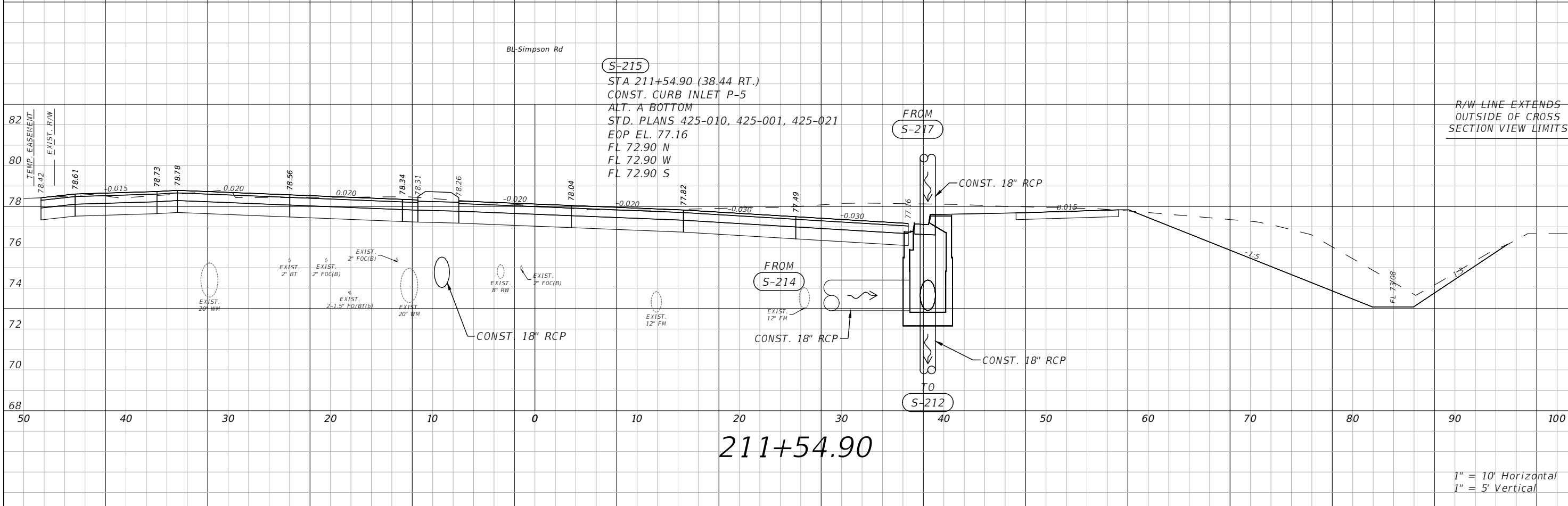
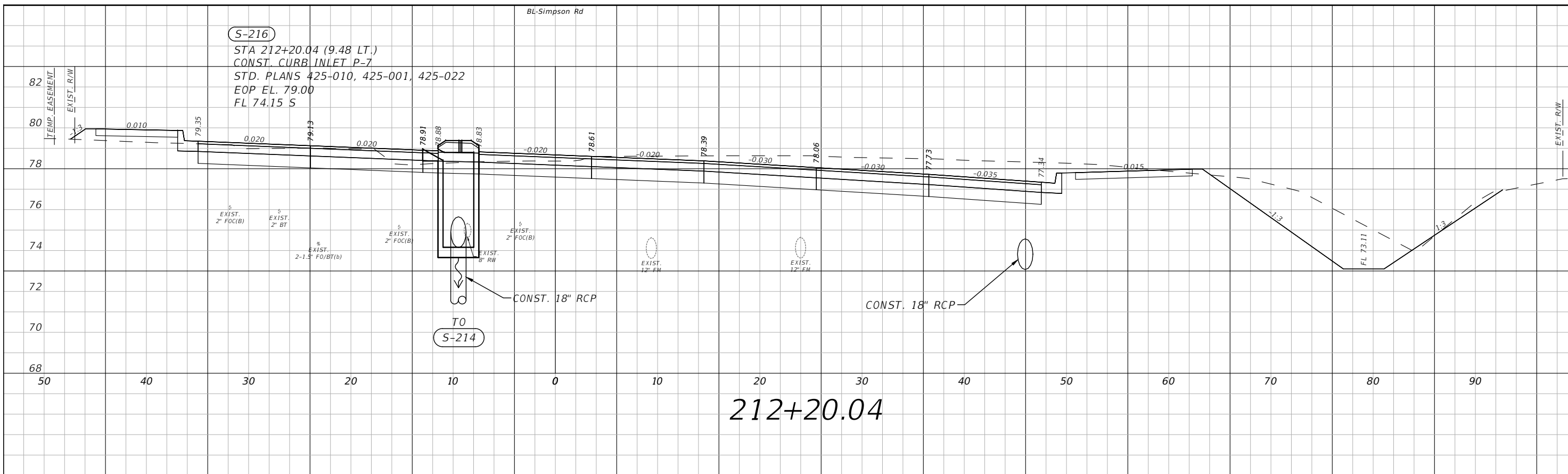
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**SIMPSON RD DRAINAGE  
STRUCTURE SECTIONS SHEET 8**

SHEET NO.  
48

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 PE # 50682

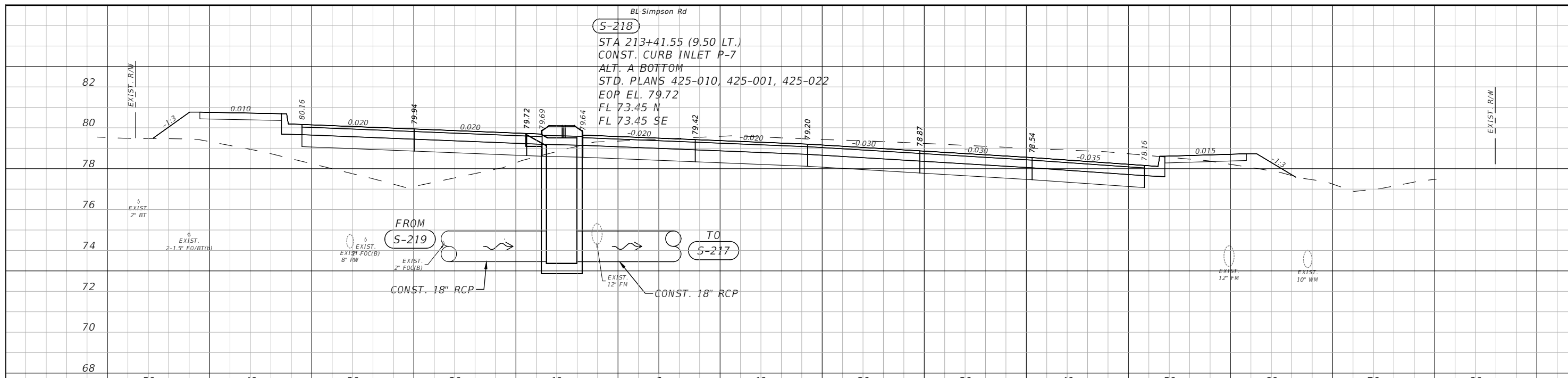


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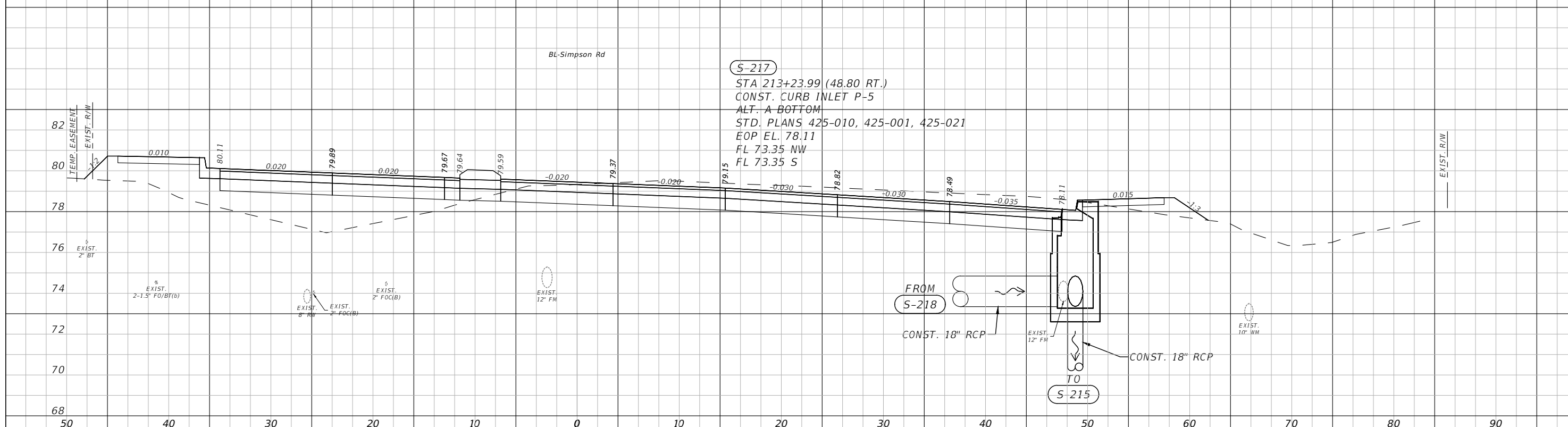
**SIMPSON RD DRAINAGE  
 STRUCTURE SECTIONS SHEET 9**

SHEET NO.  
 49

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213+41.55



213+23.99

1" = 10' Horizontal  
1" = 5' Vertical

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PE # 50682

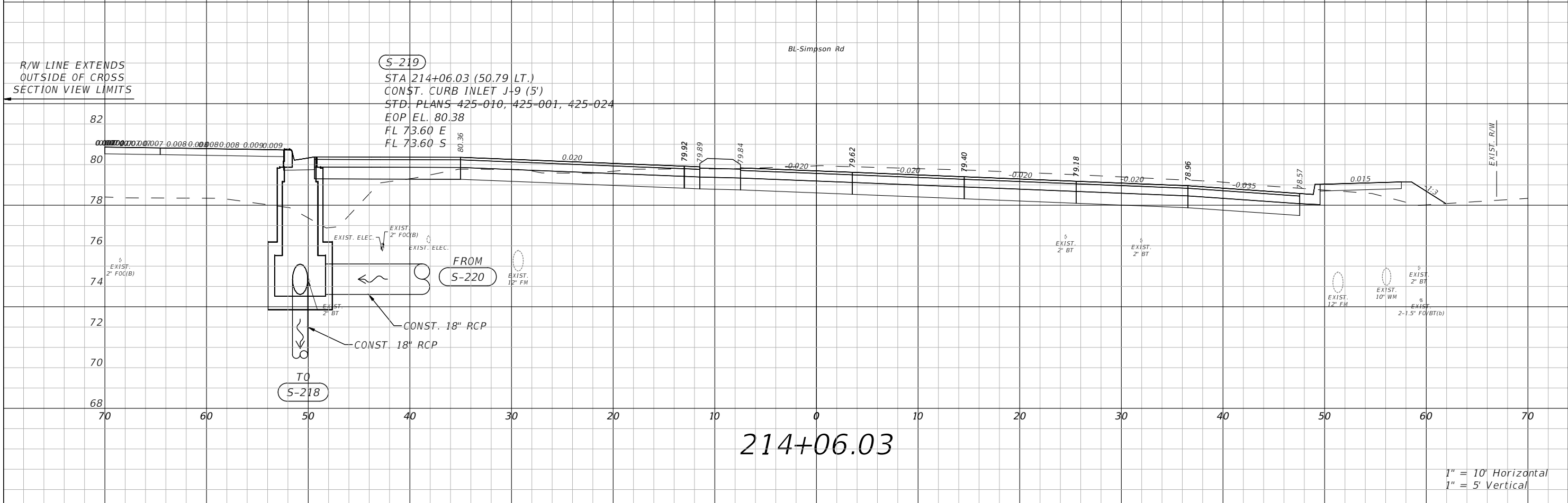
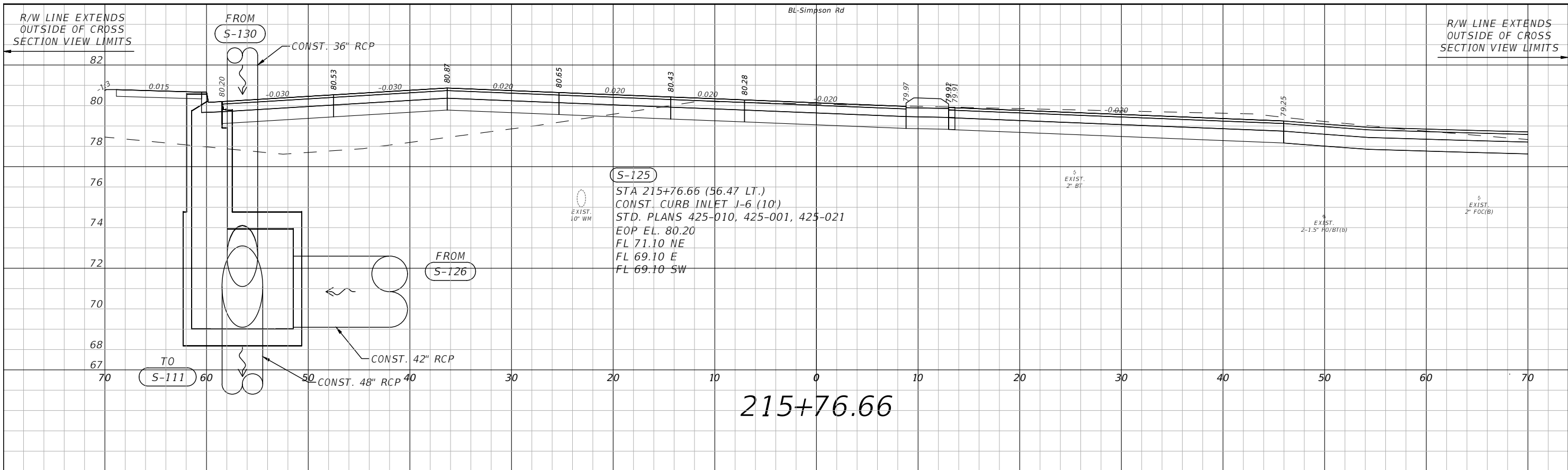


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SIMPSON RD DRAINAGE  
STRUCTURE SECTIONS SHEET 10

SHEET NO.  
50

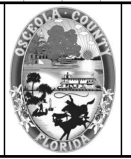
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1" = 10' Horizontal  
1" = 5' Vertical

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Paul W. Yeargain, P.E.  
PE # 50682

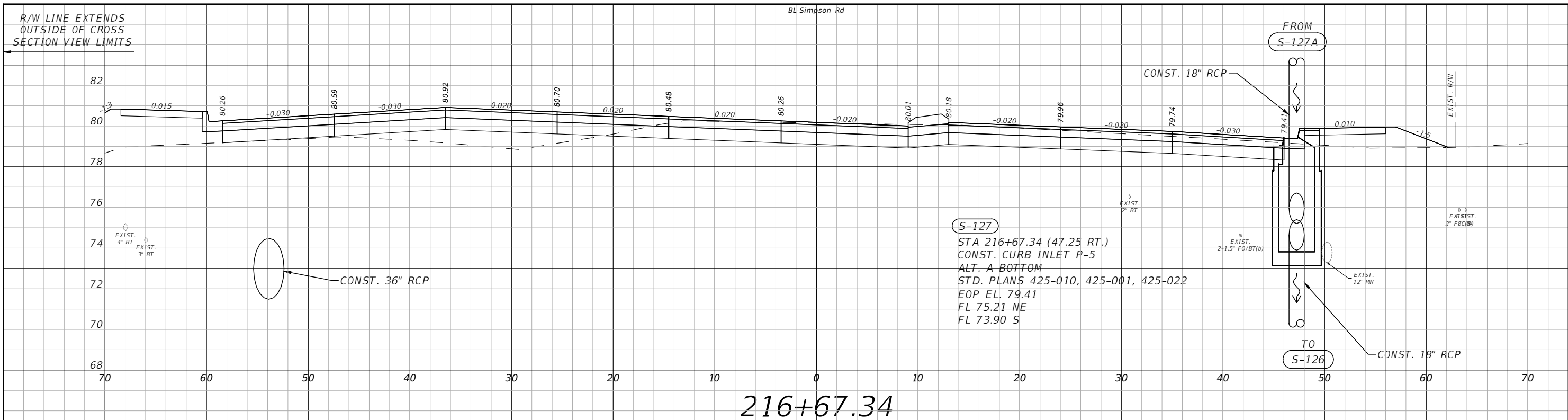


OSCEOLA COUNTY  
FLORIDA

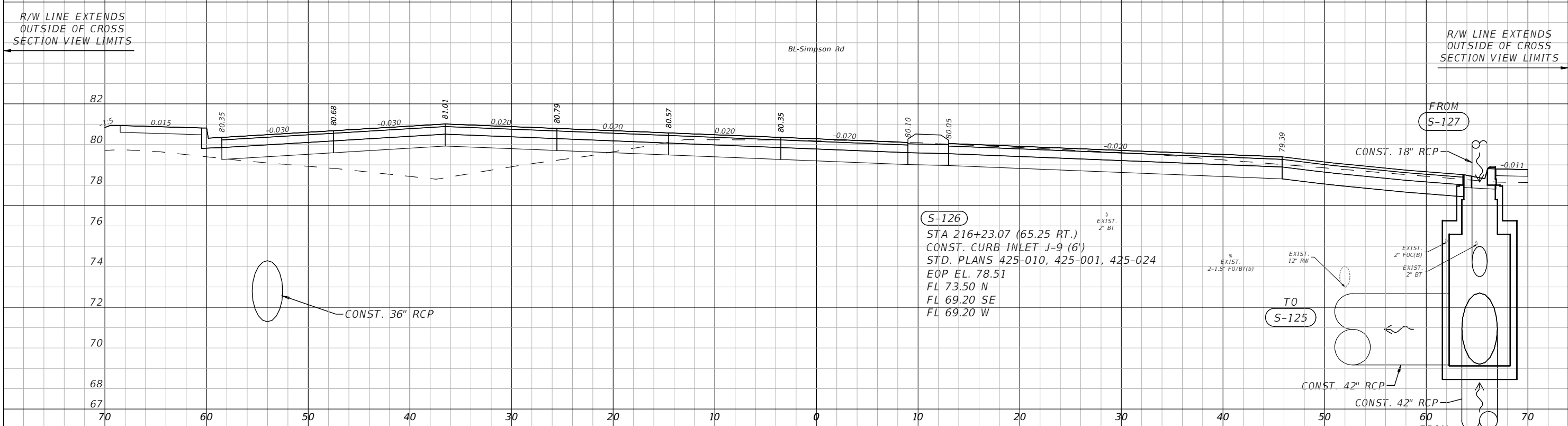
SIMPSON RD DRAINAGE  
STRUCTURE SECTIONS SHEET 11

SHEET NO.  
51

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216+67.34



216+23.07

1" = 10' Horizontal  
1" = 5' Vertical

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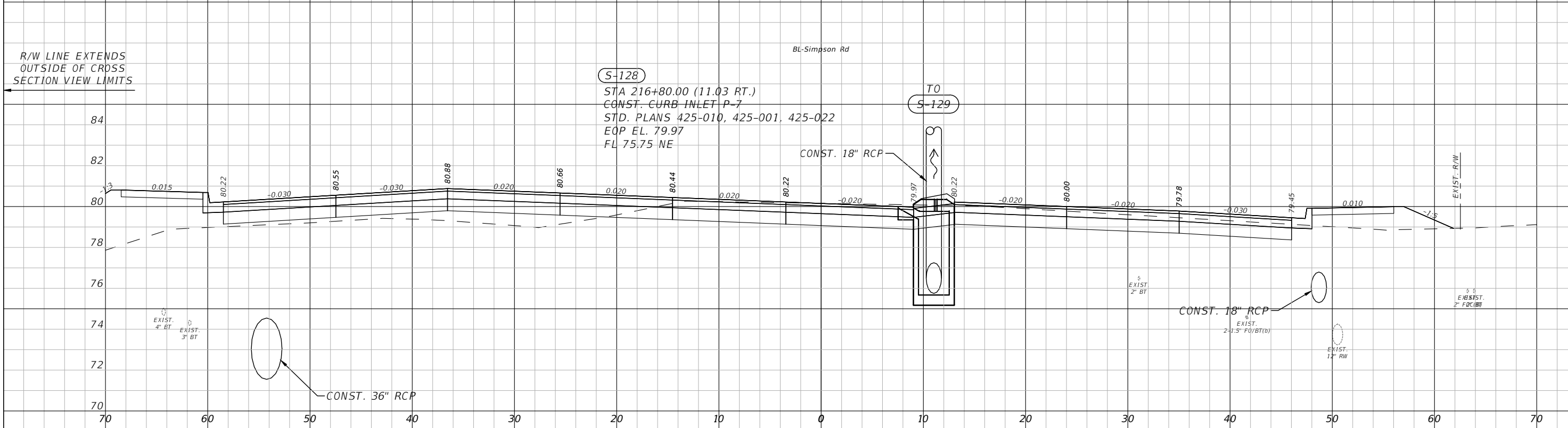
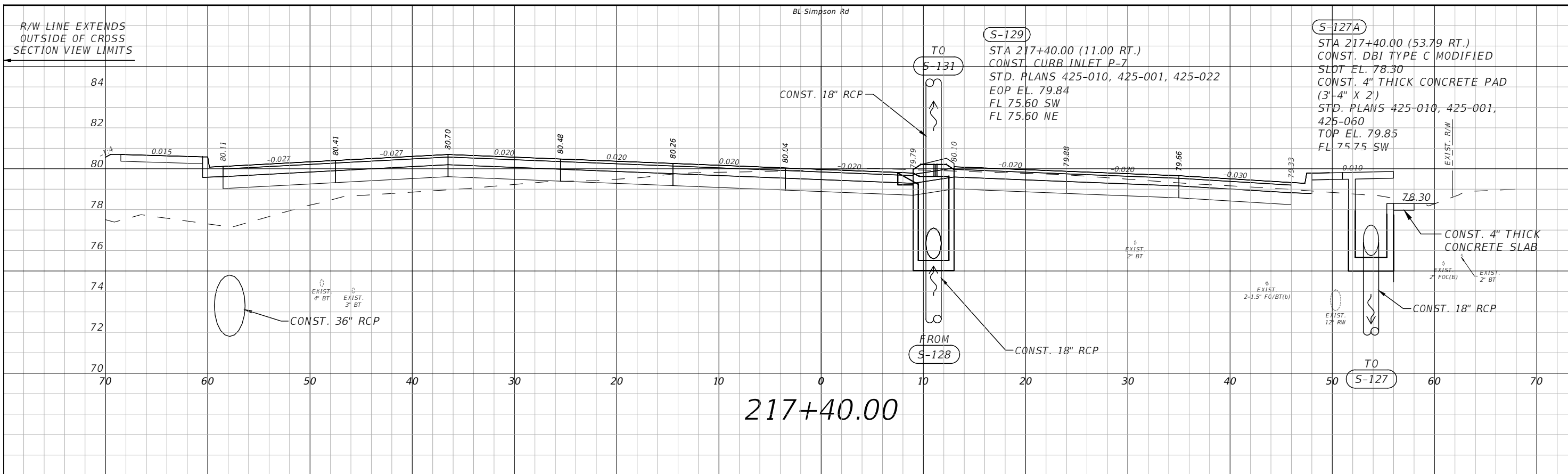
OSCEOLA COUNTY  
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SIMPSON RD DRAINAGE  
STRUCTURE SECTIONS SHEET 12

SHEET NO.  
52

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**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 10' Horizontal  
 1" = 5' Vertical

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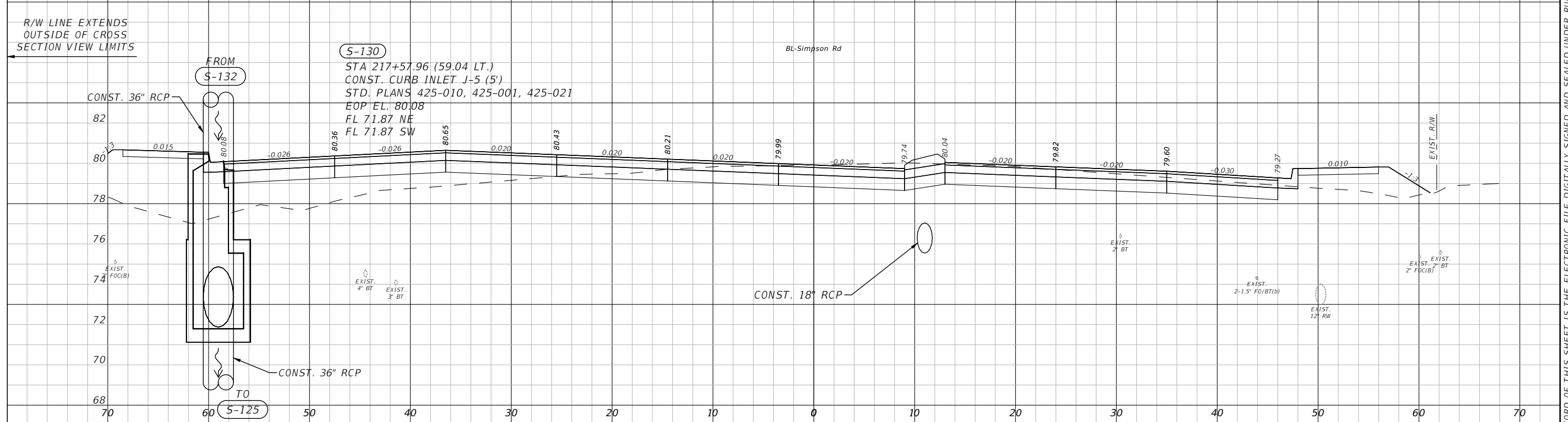
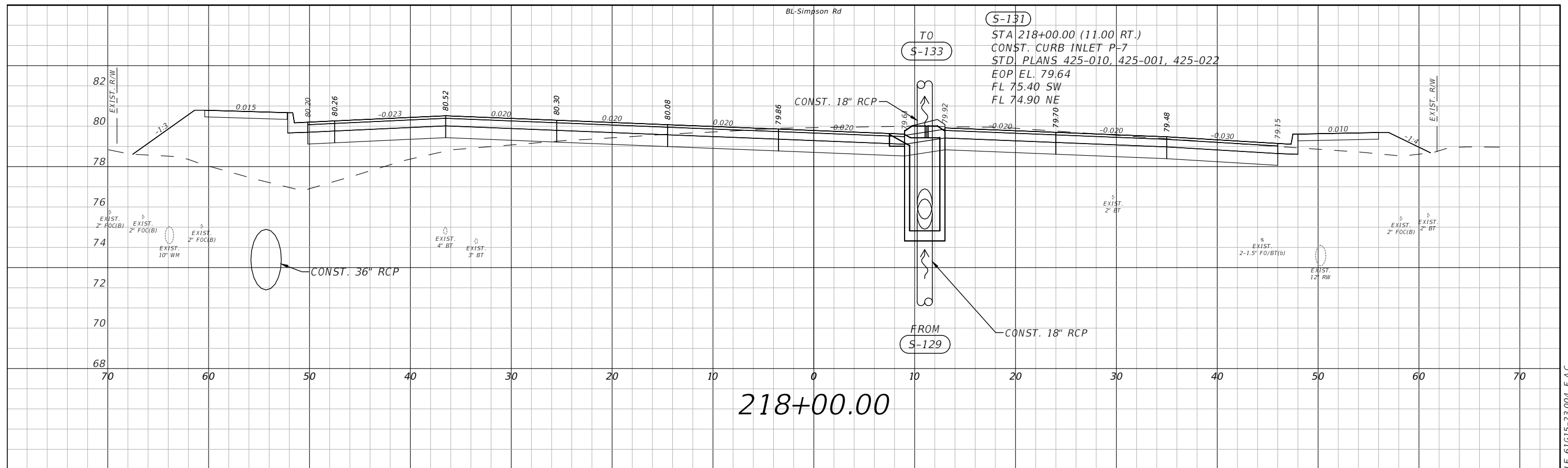


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**SIMPSON RD DRAINAGE  
 STRUCTURE SECTIONS SHEET 13**

SHEET NO.  
 53

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**LEGEND**

- SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

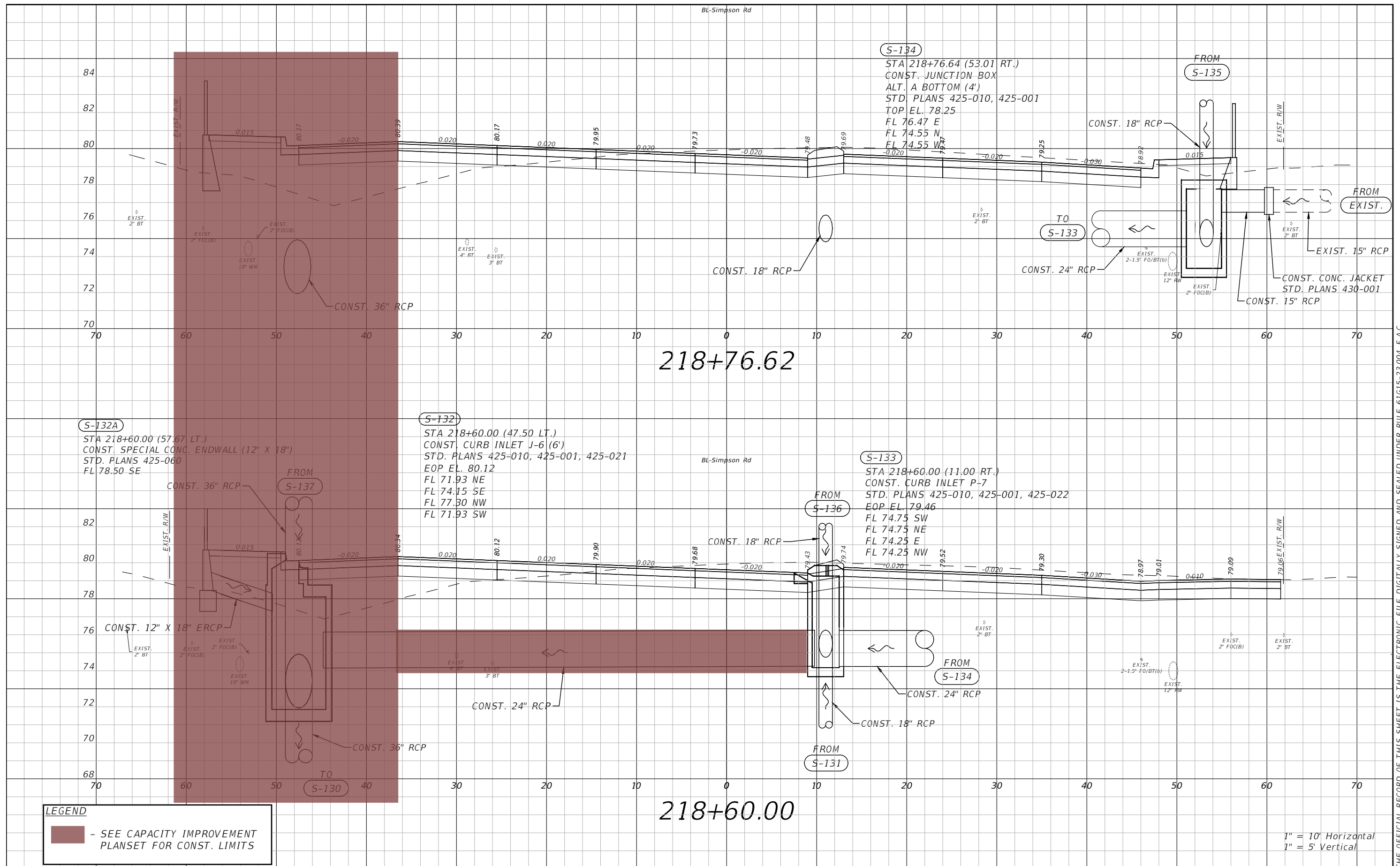
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**SIMPSON RD DRAINAGE  
 STRUCTURE SECTIONS SHEET 14**

SHEET NO.  
 54

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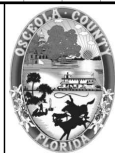


**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 10' Horizontal  
 1" = 5' Vertical

REVISIONS			
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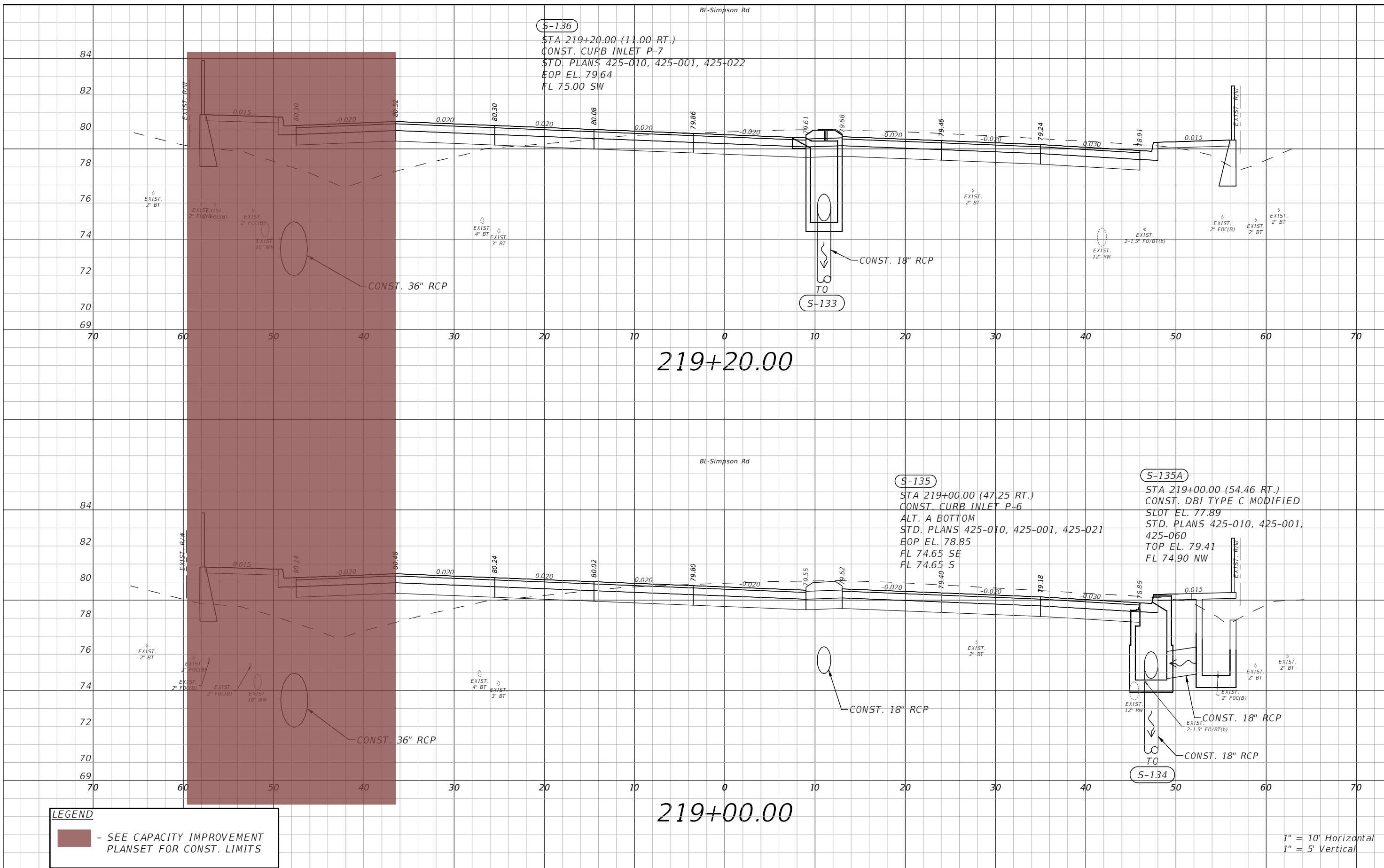


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**SIMPSON RD DRAINAGE  
 STRUCTURE SECTIONS SHEET 15**

SHEET NO.  
 55

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**LEGEND**  
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1" = 10' Horizontal  
 1" = 5' Vertical

REVISIONS			
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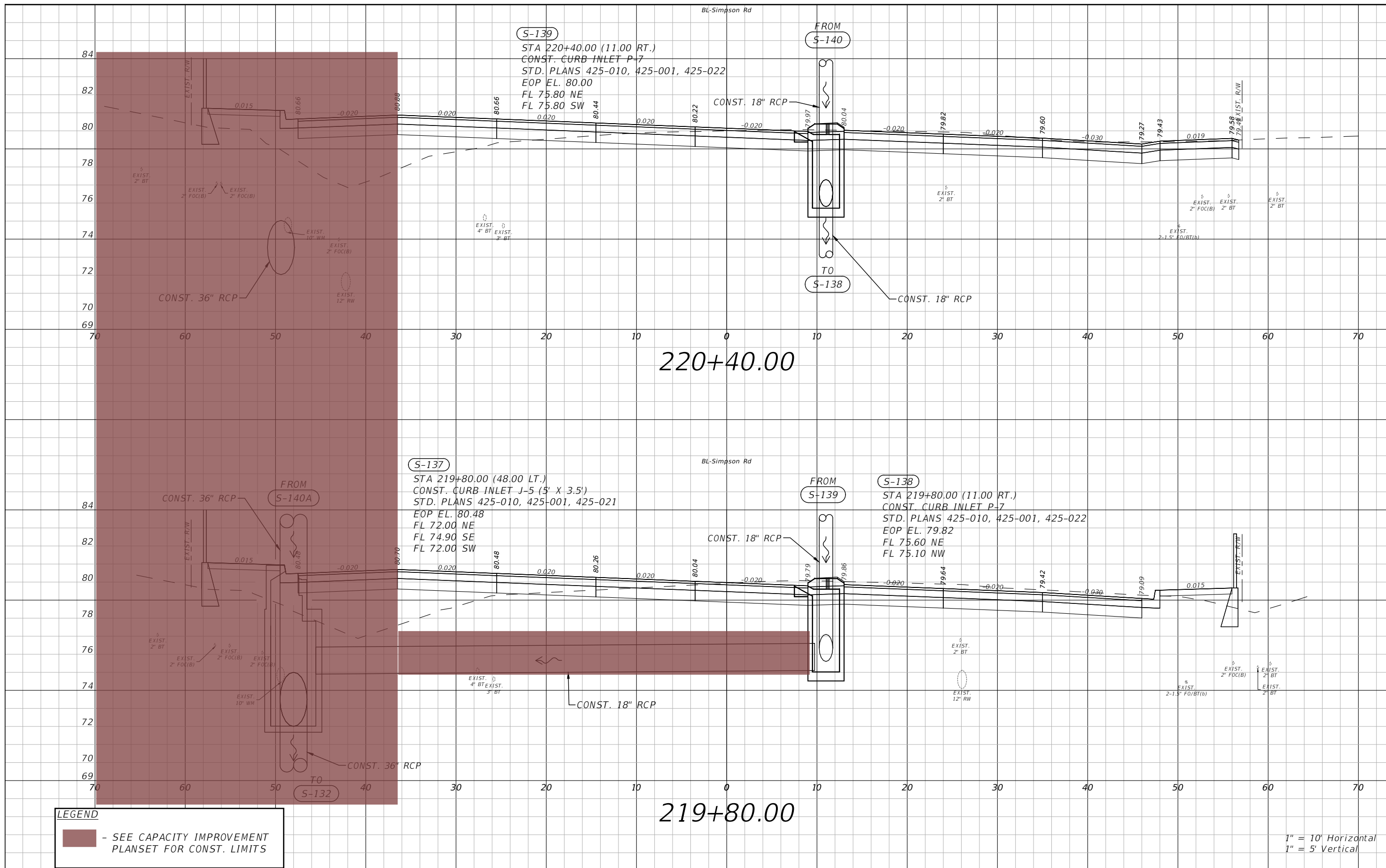
OSCEOLA COUNTY  
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**SIMPSON RD DRAINAGE  
 STRUCTURE SECTIONS SHEET 16**

SHEET NO.  
 56

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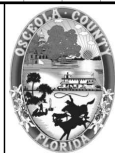
**LEGEND**

- SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 10' Horizontal  
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 PE # 50682

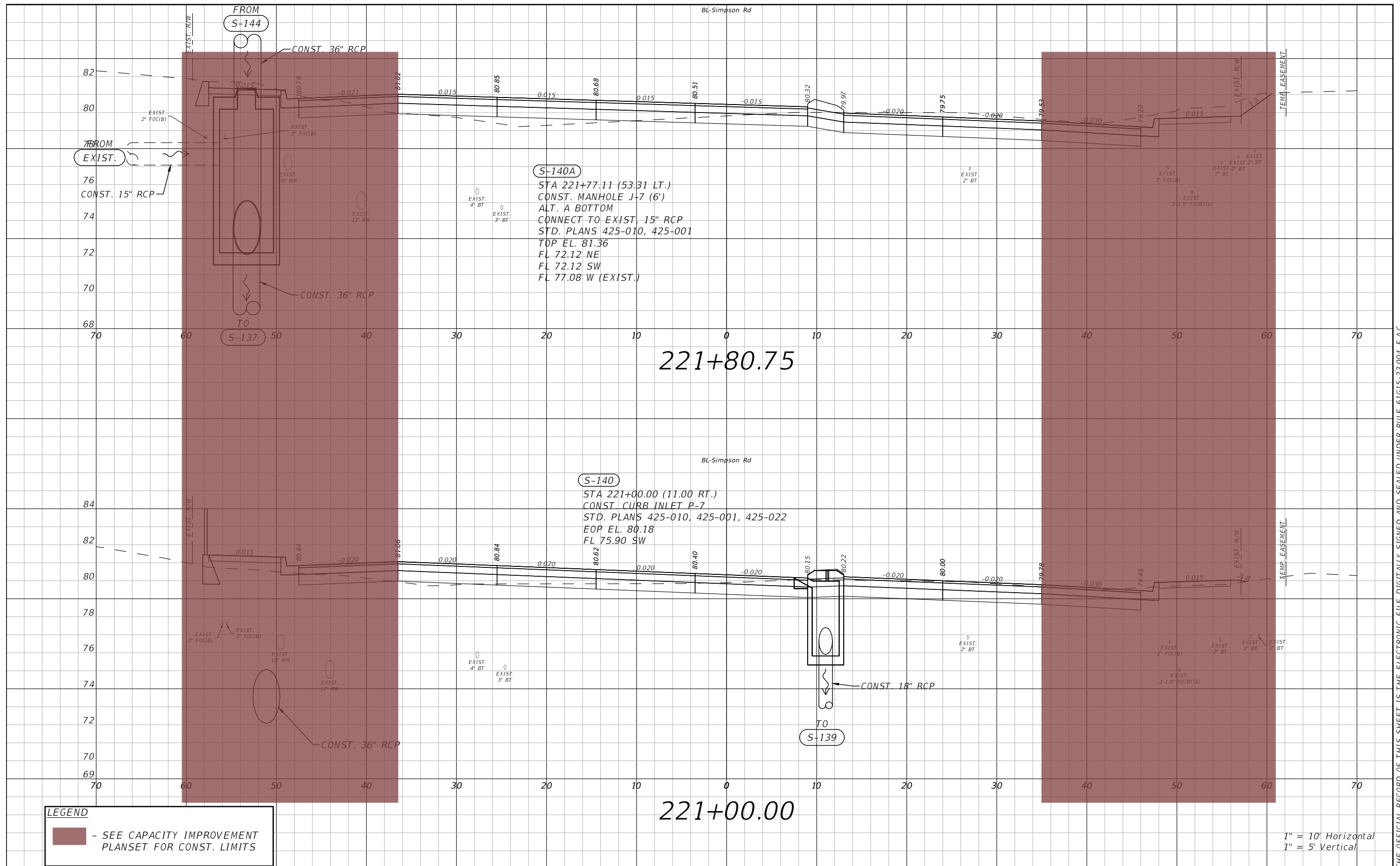


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**SIMPSON RD DRAINAGE  
 STRUCTURE SECTIONS SHEET 17**


SHEET NO.  
 57

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OSCEOLA COUNTY  
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**SIMPSON RD DRAINAGE  
STRUCTURE SECTIONS SHEET 18**


SHEET NO.  
58

**(S-142)**  
 STA 222+50.96 (6.33 RT.)  
 CONST. CURB INLET P-7  
 ALT. A BOTTOM  
 STD. PLANS 425-010, 425-001, 425-022  
 EOP EL. 80.58  
 FL 76.00 SW  
 FL 74.60 E  
 FL 74.60 NE

222+50.15

**(S-141)**  
 STA 222+20.15 (11.00 RT.)  
 CONST. CURB INLET P-7  
 STD. PLANS 425-010, 425-001, 425-022  
 EOP EL. 80.26  
 FL 76.10 NE

222+20.15

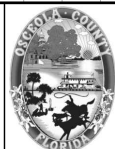
**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 10' Horizontal  
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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 PE # 50682

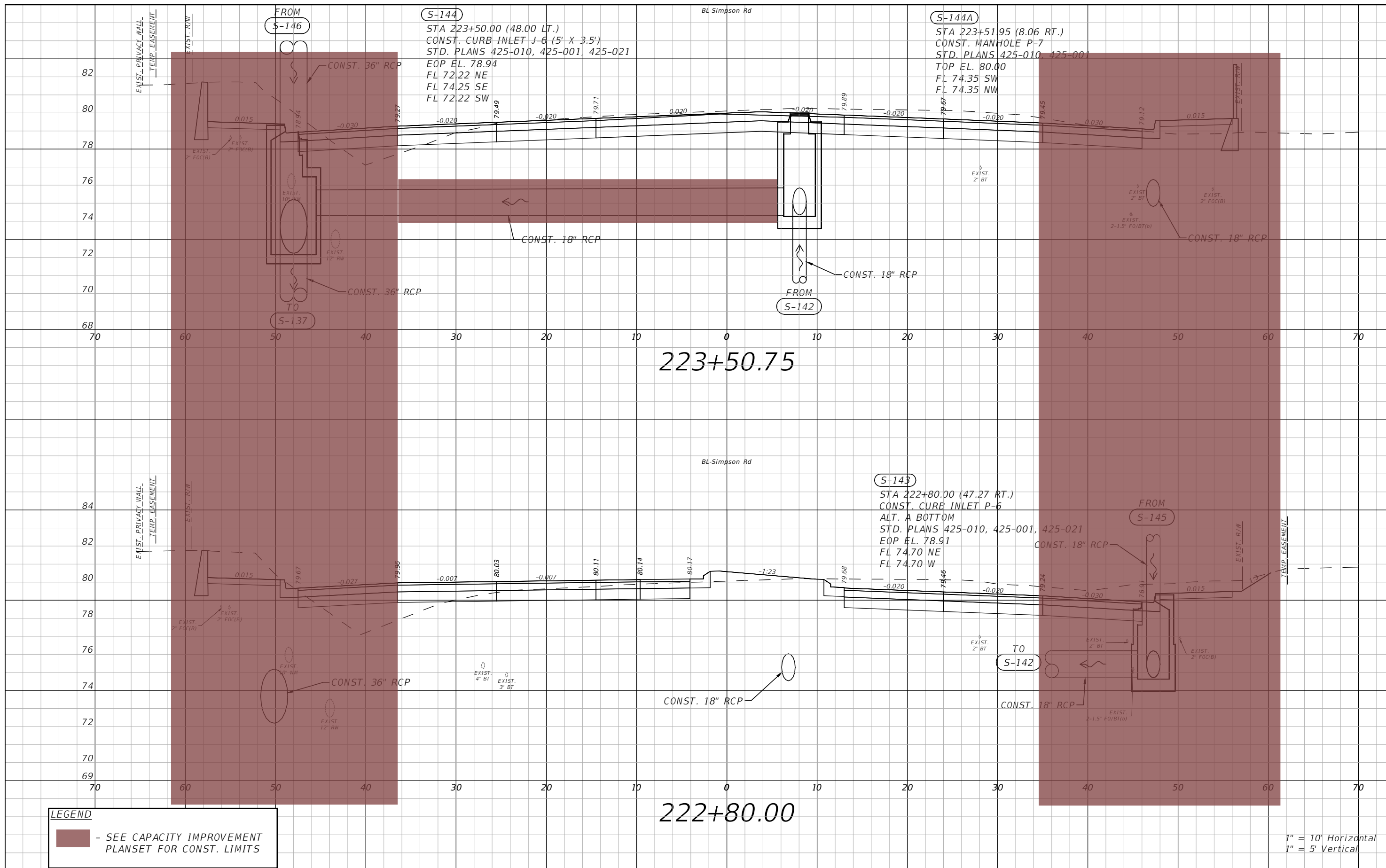


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**SIMPSON RD DRAINAGE  
 STRUCTURE SECTIONS SHEET 19**

SHEET NO.  
 59

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1" = 10' Horizontal  
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**vhb** Engineers | Scientists  
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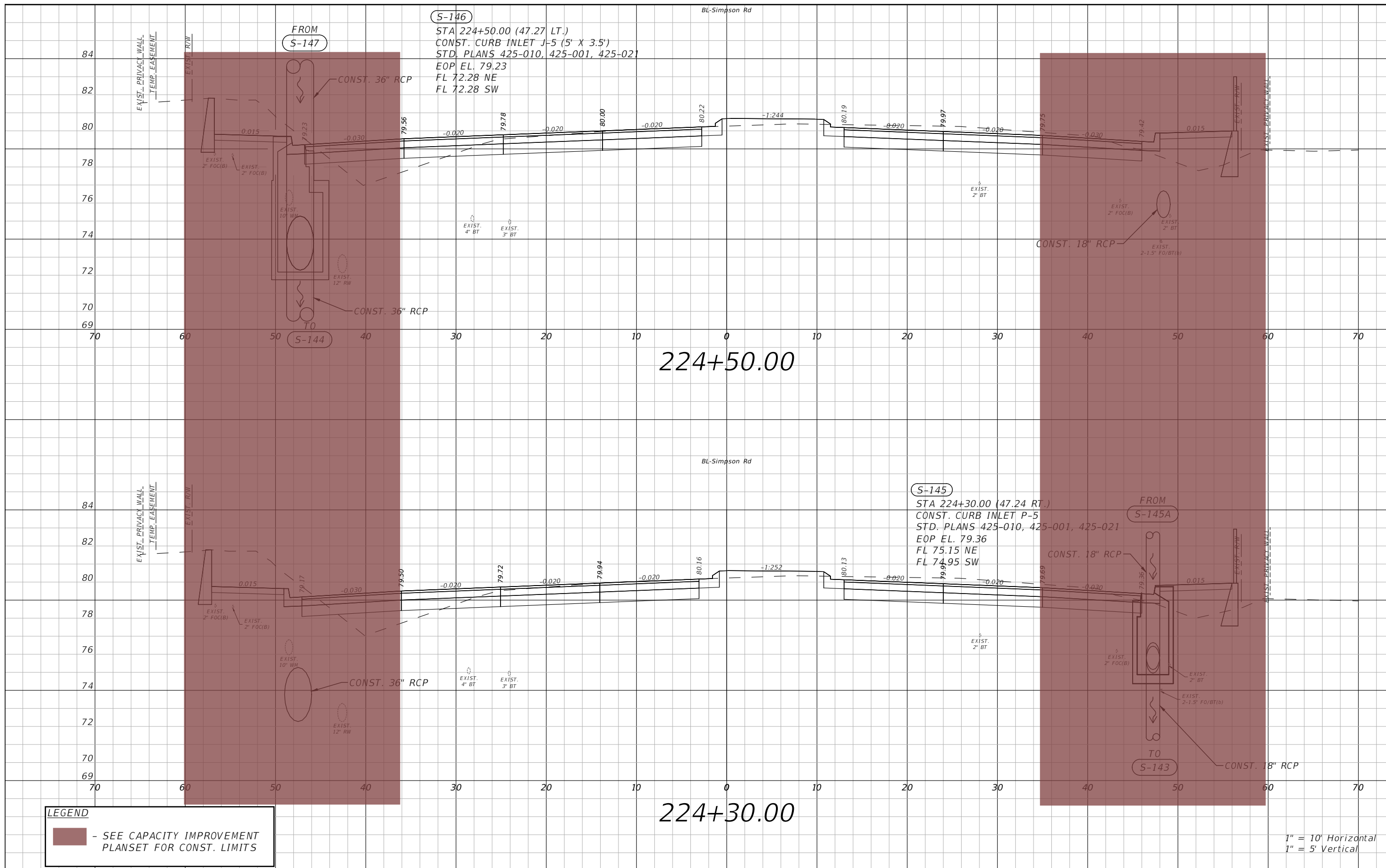
OSCEOLA COUNTY  
 FLORIDA

**SIMPSON RD DRAINAGE  
 STRUCTURE SECTIONS SHEET 20**

SHEET NO.  
 60

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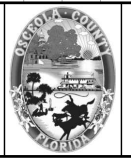
**LEGEND**

■ - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 10' Horizontal  
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION


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 PE # 50682

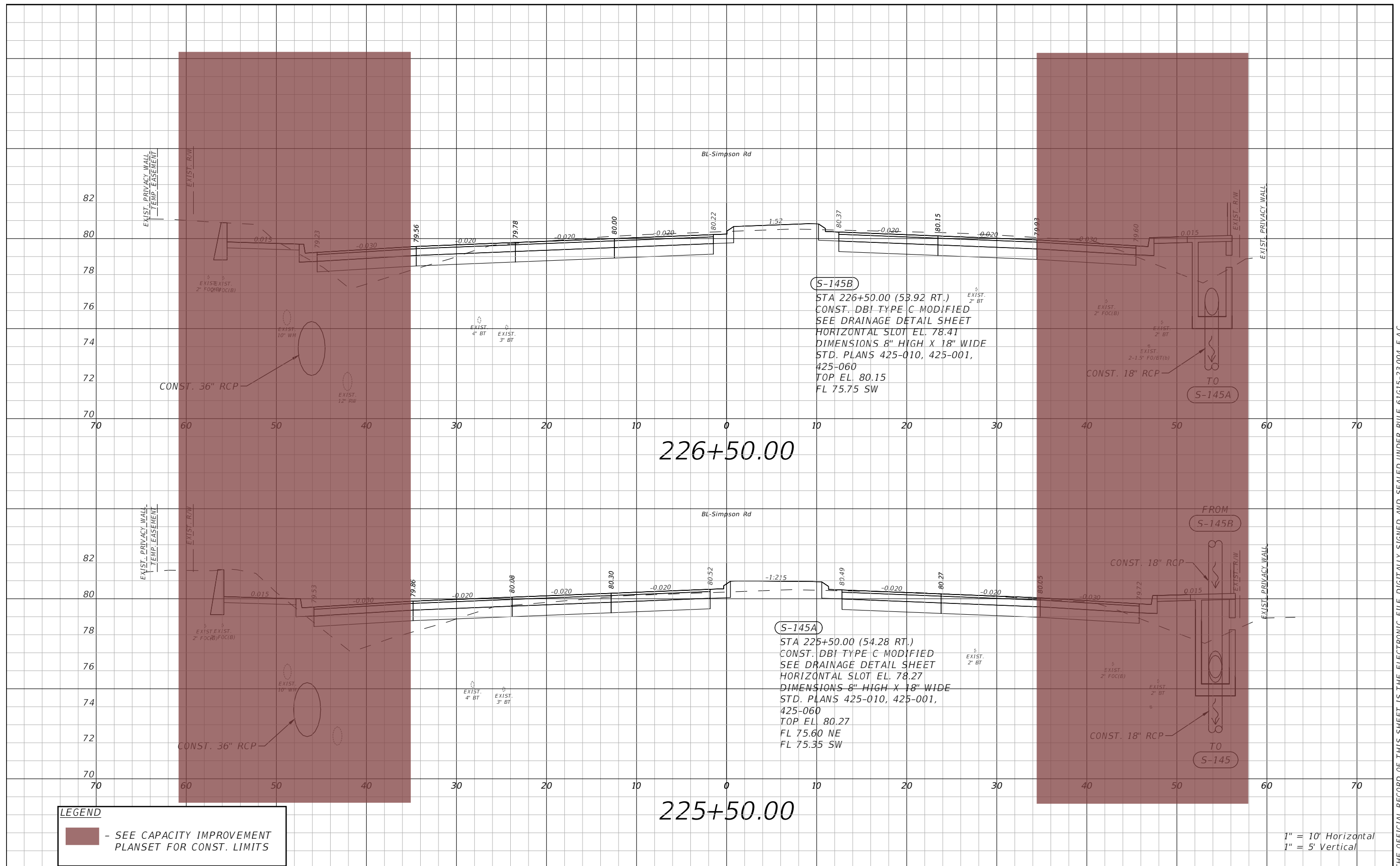


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 STRUCTURE SECTIONS SHEET 21**

SHEET NO.  
 61

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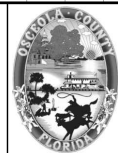


**LEGEND**

- SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

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 PE # 50682

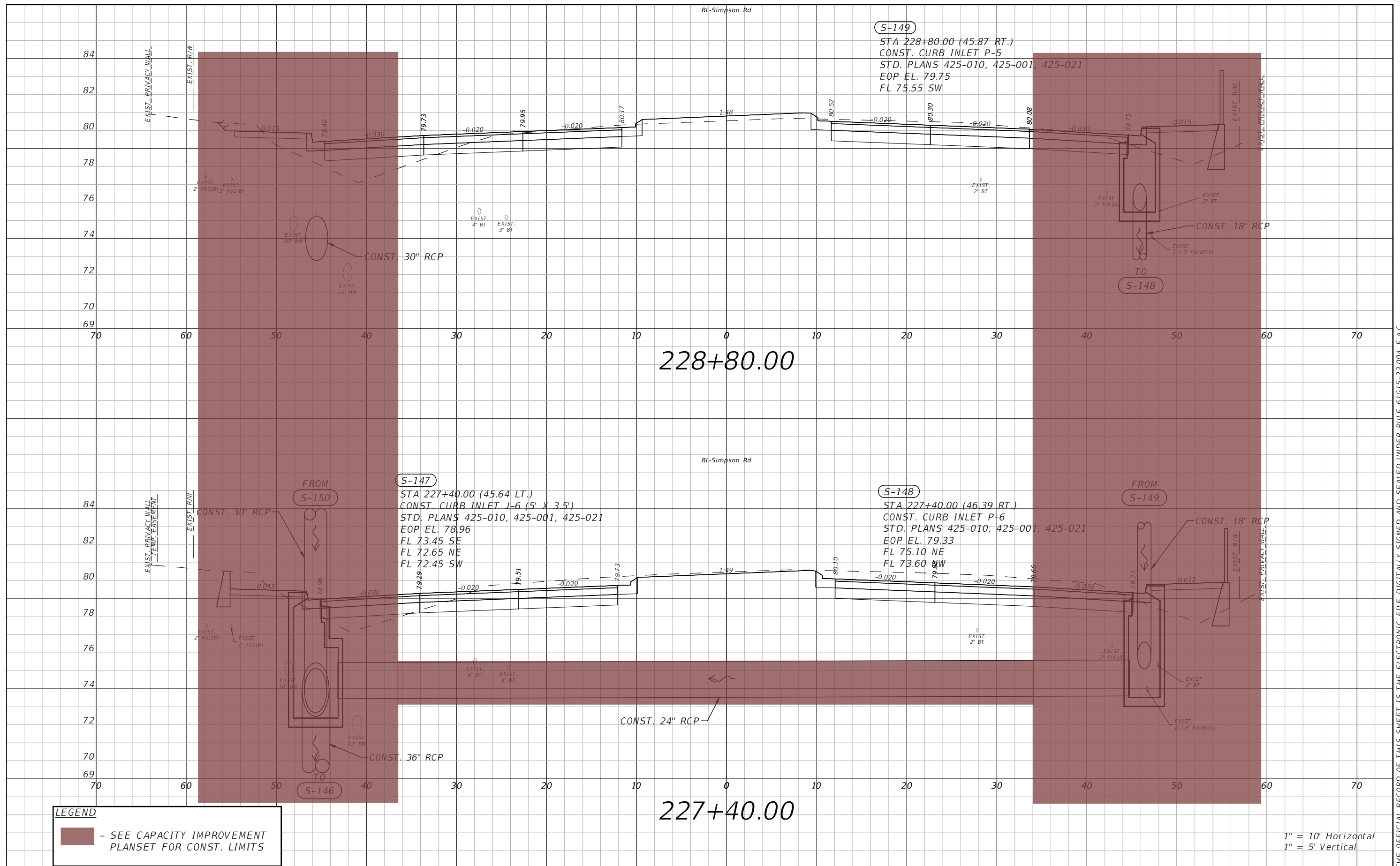


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**SIMPSON RD DRAINAGE  
 STRUCTURE SECTIONS SHEET 22**

SHEET  
 NO.  
 62

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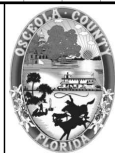


**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 10' Horizontal  
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**vhb**  
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 PE # 50682

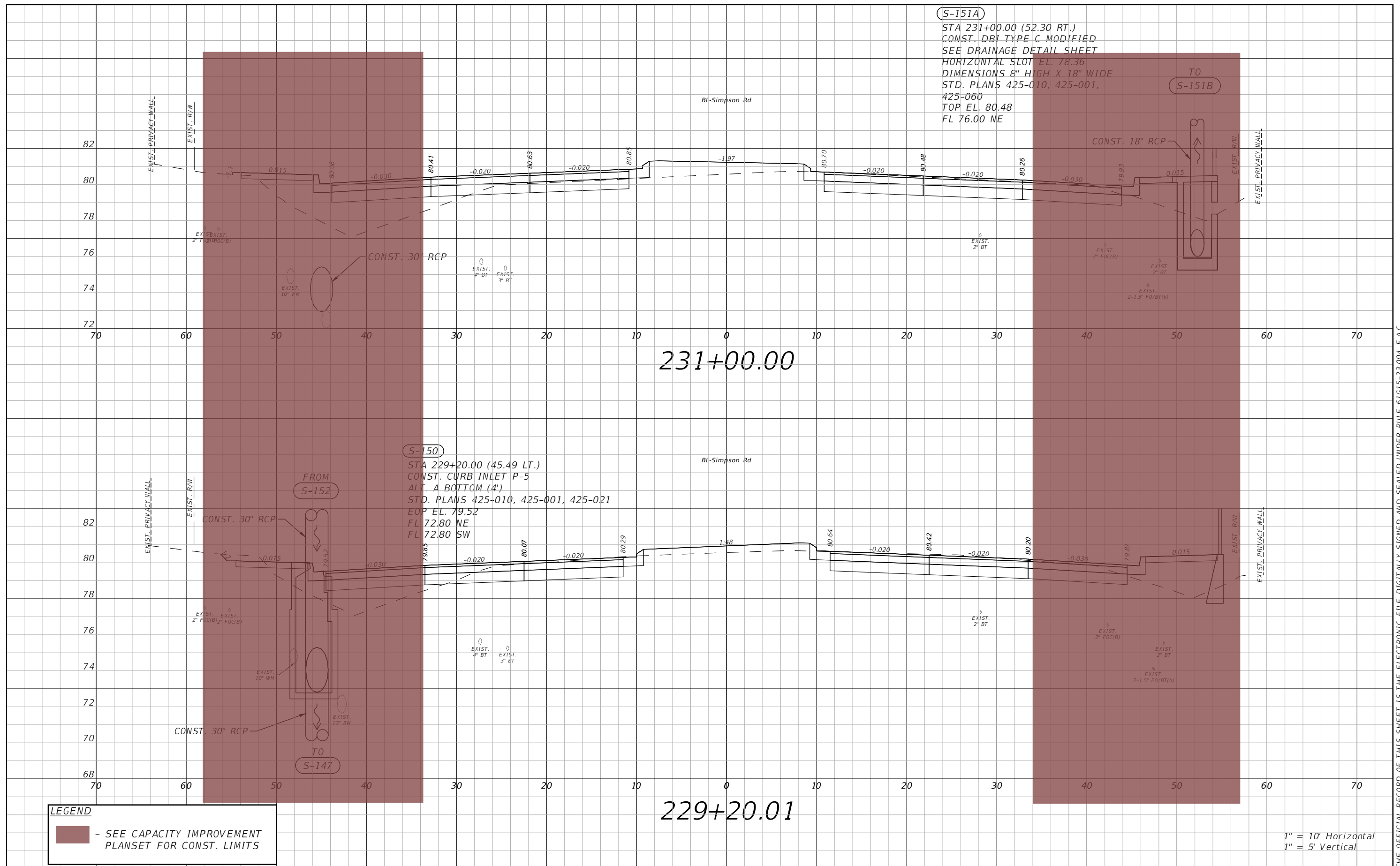


OSCEOLA COUNTY  
 FLORIDA

**SIMPSON RD DRAINAGE  
 STRUCTURE SECTIONS SHEET 23**

SHEET NO.  
 63

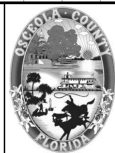
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**LEGEND**  
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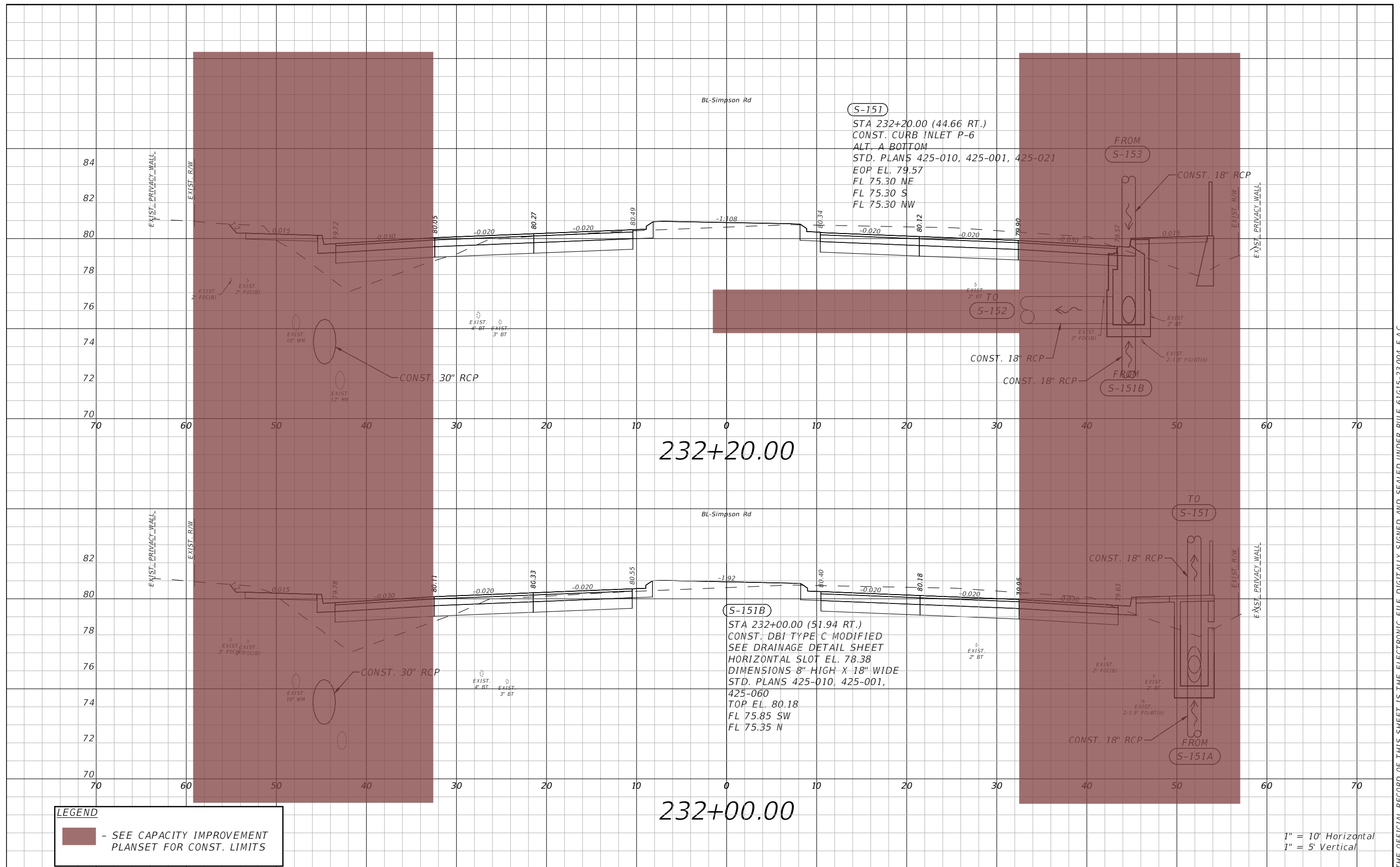
OSCEOLA COUNTY  
 FLORIDA

**SIMPSON RD DRAINAGE  
 STRUCTURE SECTIONS SHEET 24**

SHEET NO.  
 64

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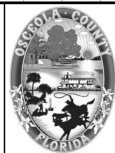




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DATE	DESCRIPTION	DATE	DESCRIPTION

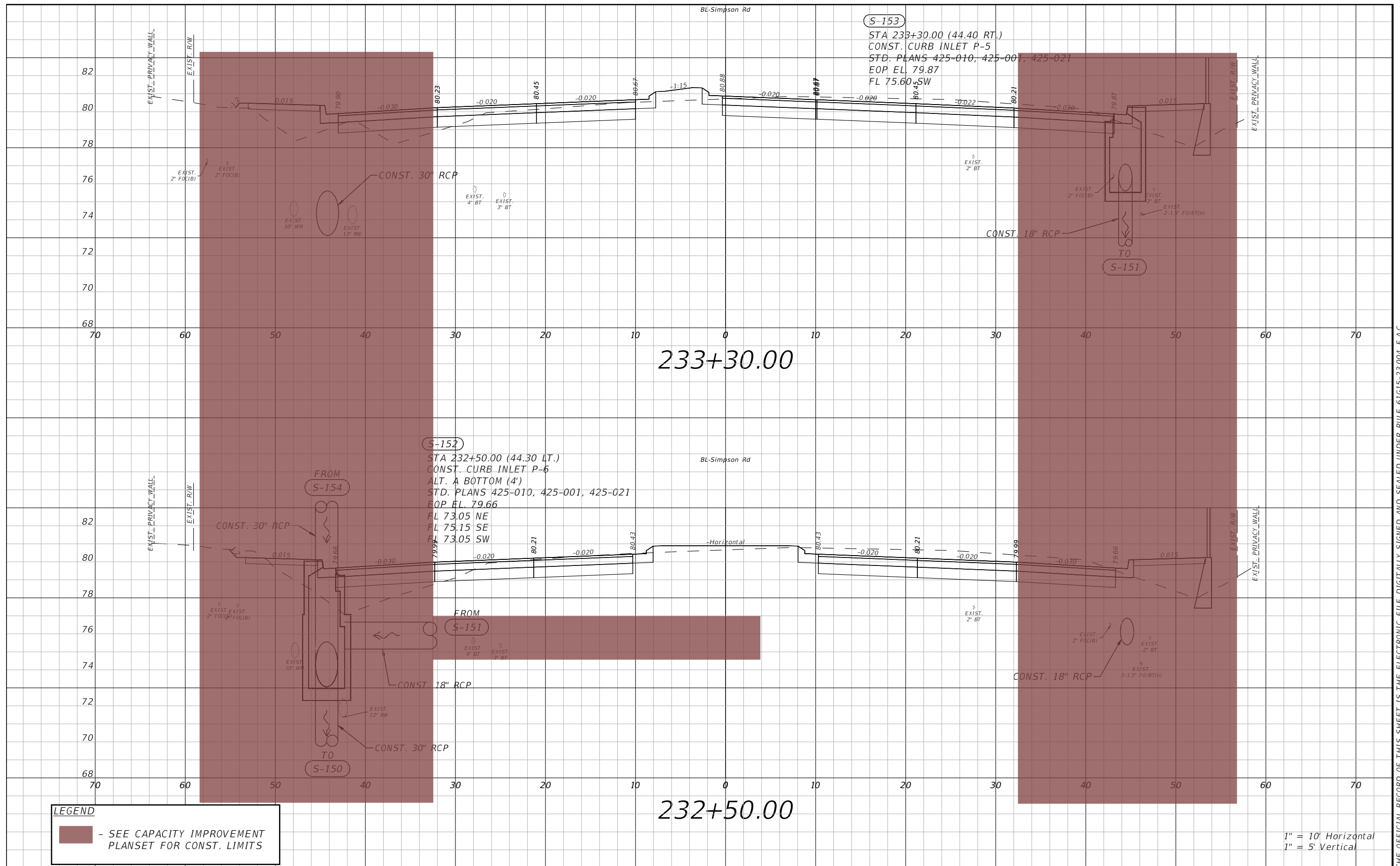
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OSCEOLA COUNTY  
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**SIMPSON RD DRAINAGE  
 STRUCTURE SECTIONS SHEET 25**

SHEET NO.  
 65

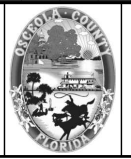


**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 10' Horizontal  
 1" = 5' Vertical

REVISIONS			
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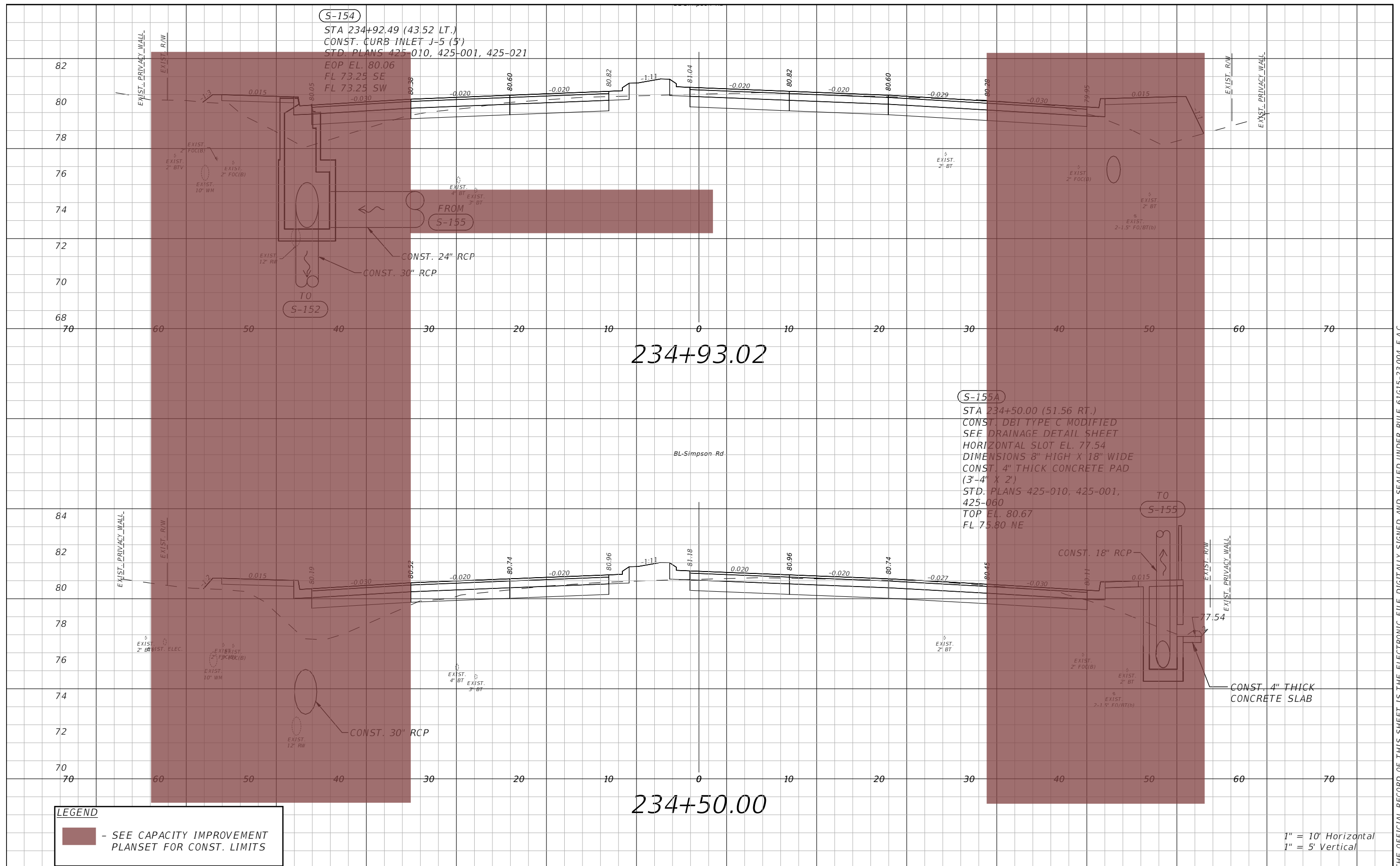


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 STRUCTURE SECTIONS SHEET 26**

SHEET NO.  
 66

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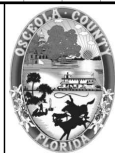


**LEGEND**  
 [Shaded Area] - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 10' Horizontal  
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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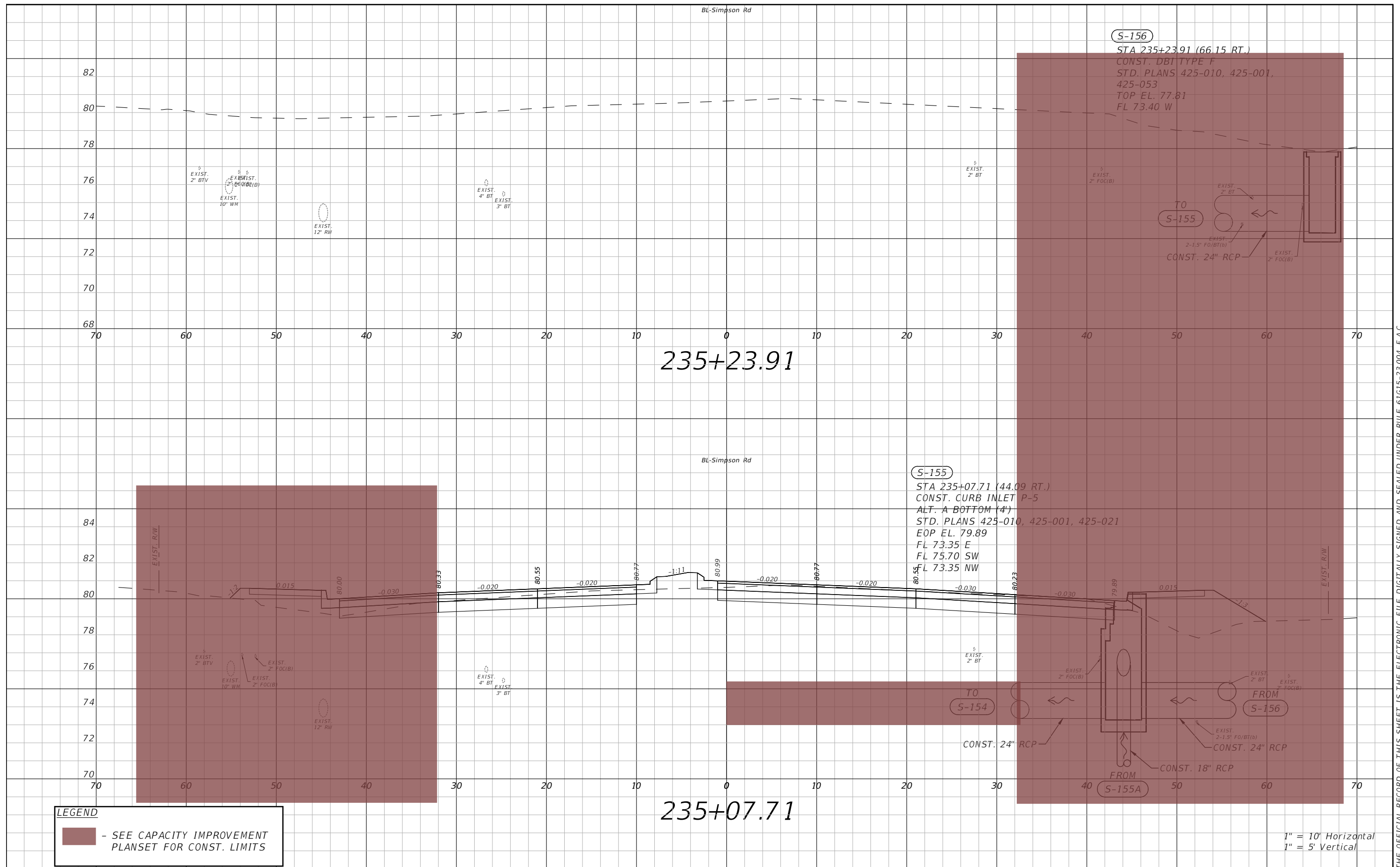


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**SIMPSON RD DRAINAGE  
 STRUCTURE SECTIONS SHEET 27**

SHEET NO.  
 67

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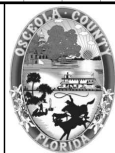
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**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 10' Horizontal  
 1" = 5' Vertical

REVISIONS			
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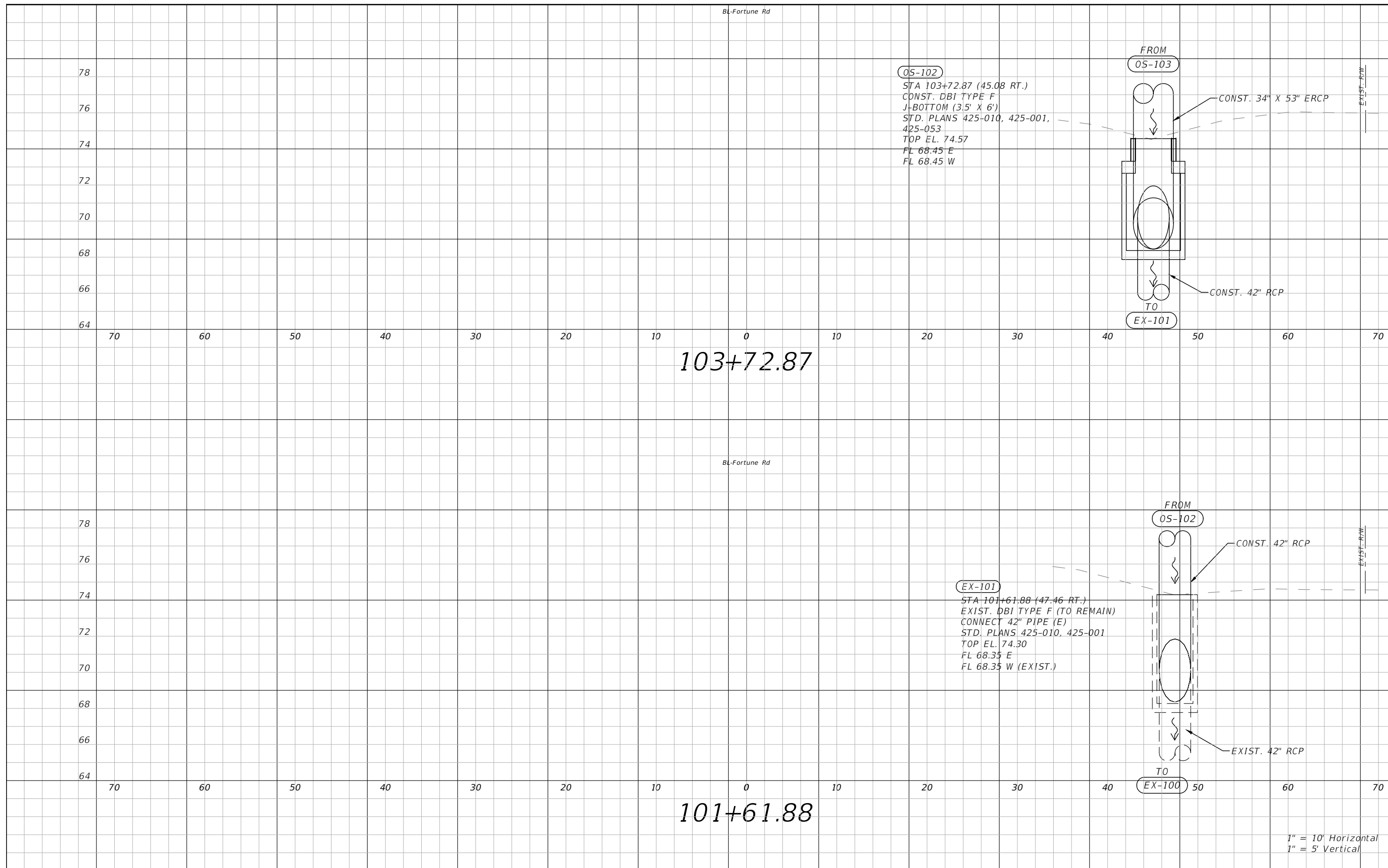


OSCEOLA COUNTY  
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**SIMPSON RD DRAINAGE  
 STRUCTURE SECTIONS SHEET 28**


SHEET NO.  
 68



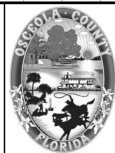


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PE # 50682

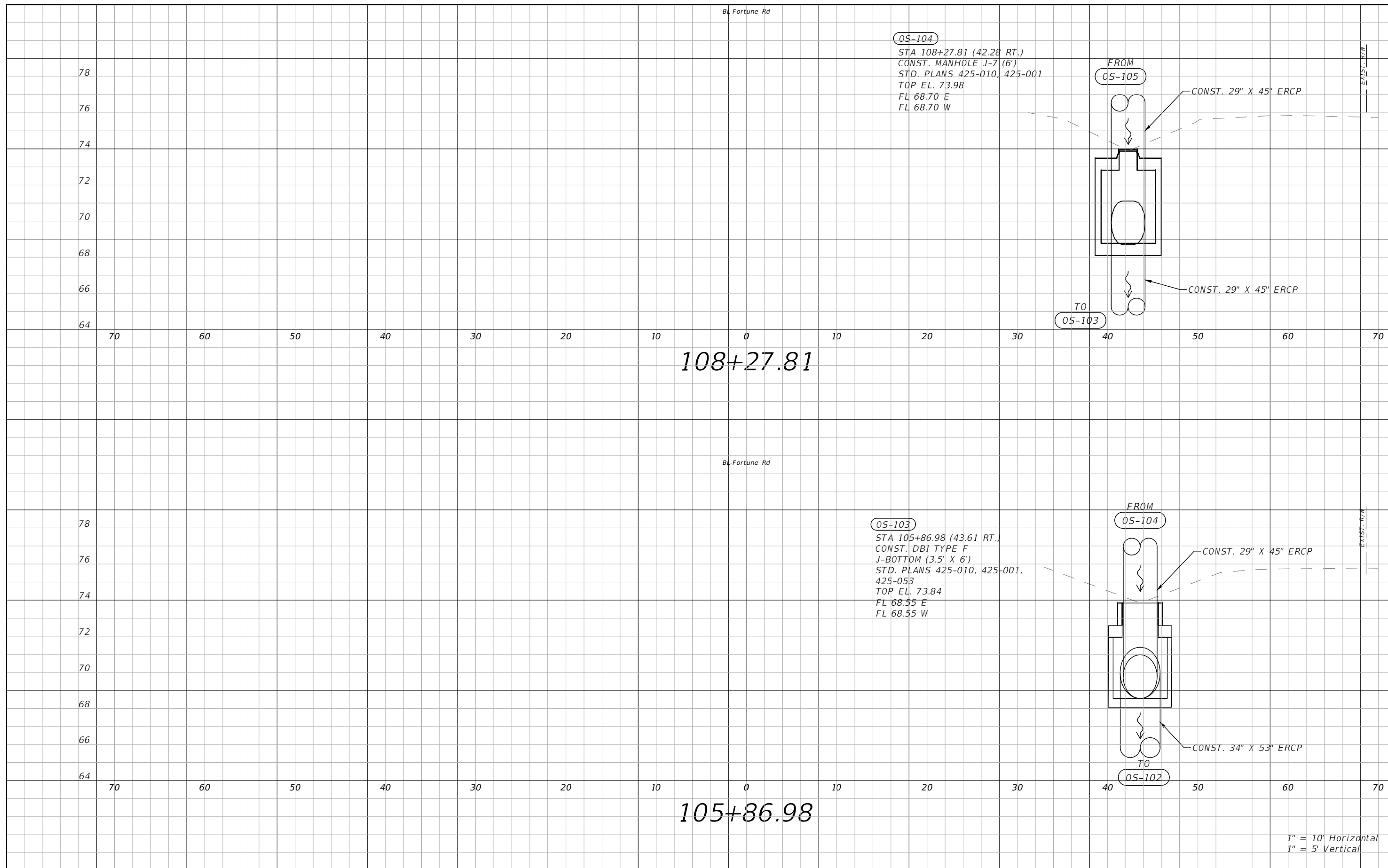


OSCEOLA COUNTY  
FLORIDA

**FORTUNE RD DRAINAGE  
STRUCTURE SECTIONS SHEET 1**


SHEET NO.  
**69**

1" = 10' Horizontal  
1" = 5' Vertical

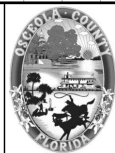


1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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PE # 50682

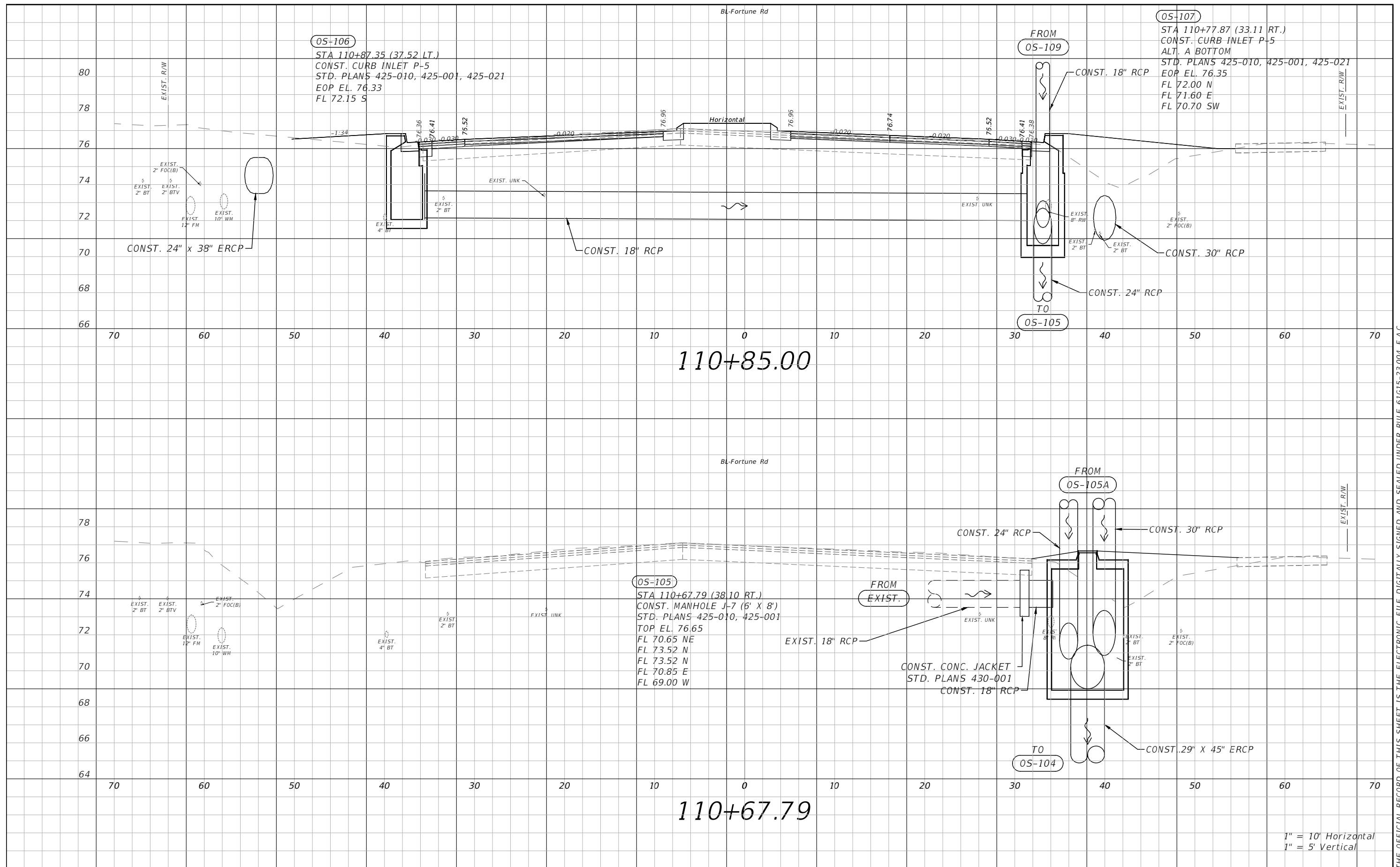


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**FORTUNE RD DRAINAGE  
STRUCTURE SECTIONS SHEET 2**


SHEET  
NO.  
**70**

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 PE # 50682

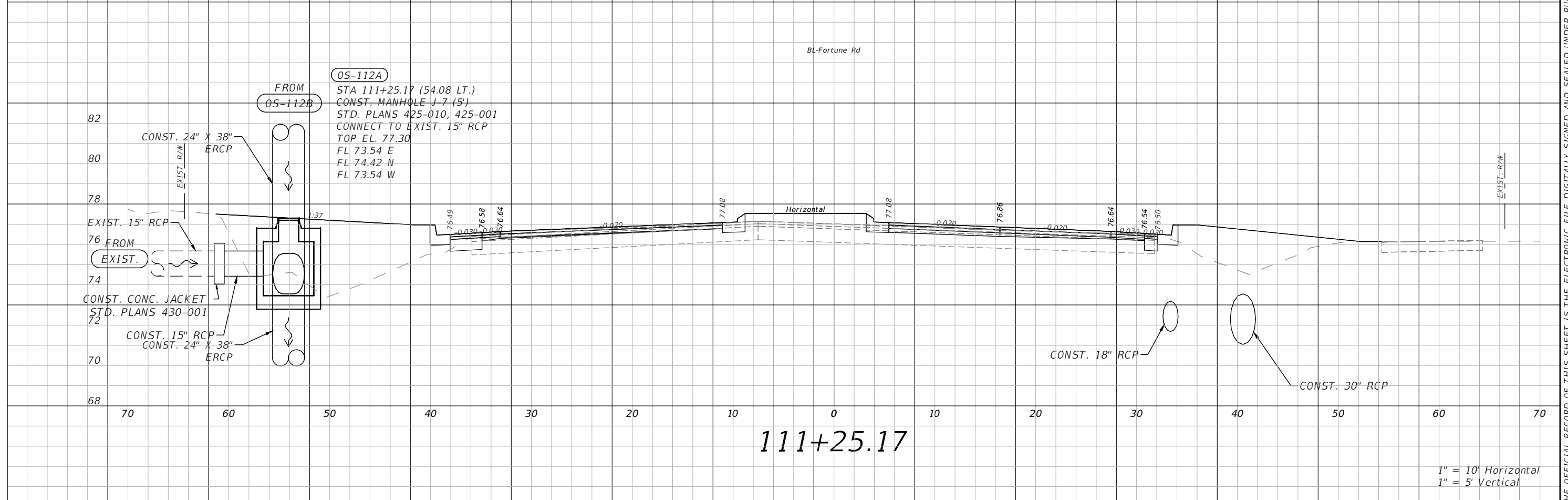
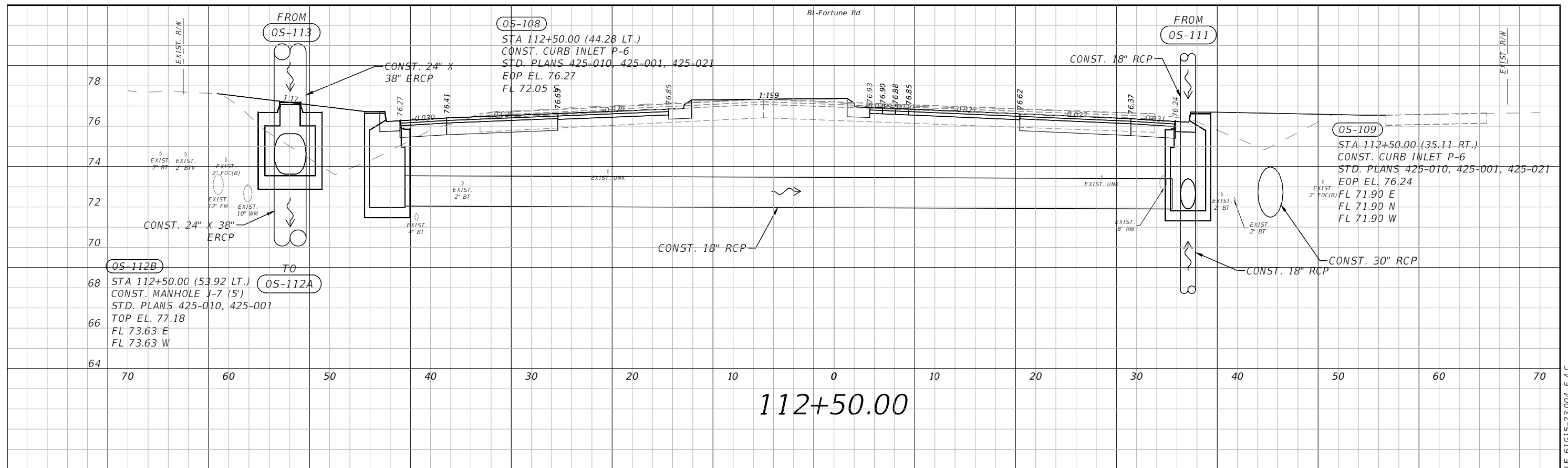


OSCEOLA COUNTY  
FLORIDA

**FORTUNE RD DRAINAGE  
STRUCTURE SECTIONS SHEET 3**

SHEET NO.  
71

1" = 10' Horizontal  
1" = 5' Vertical



1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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PE # 50682



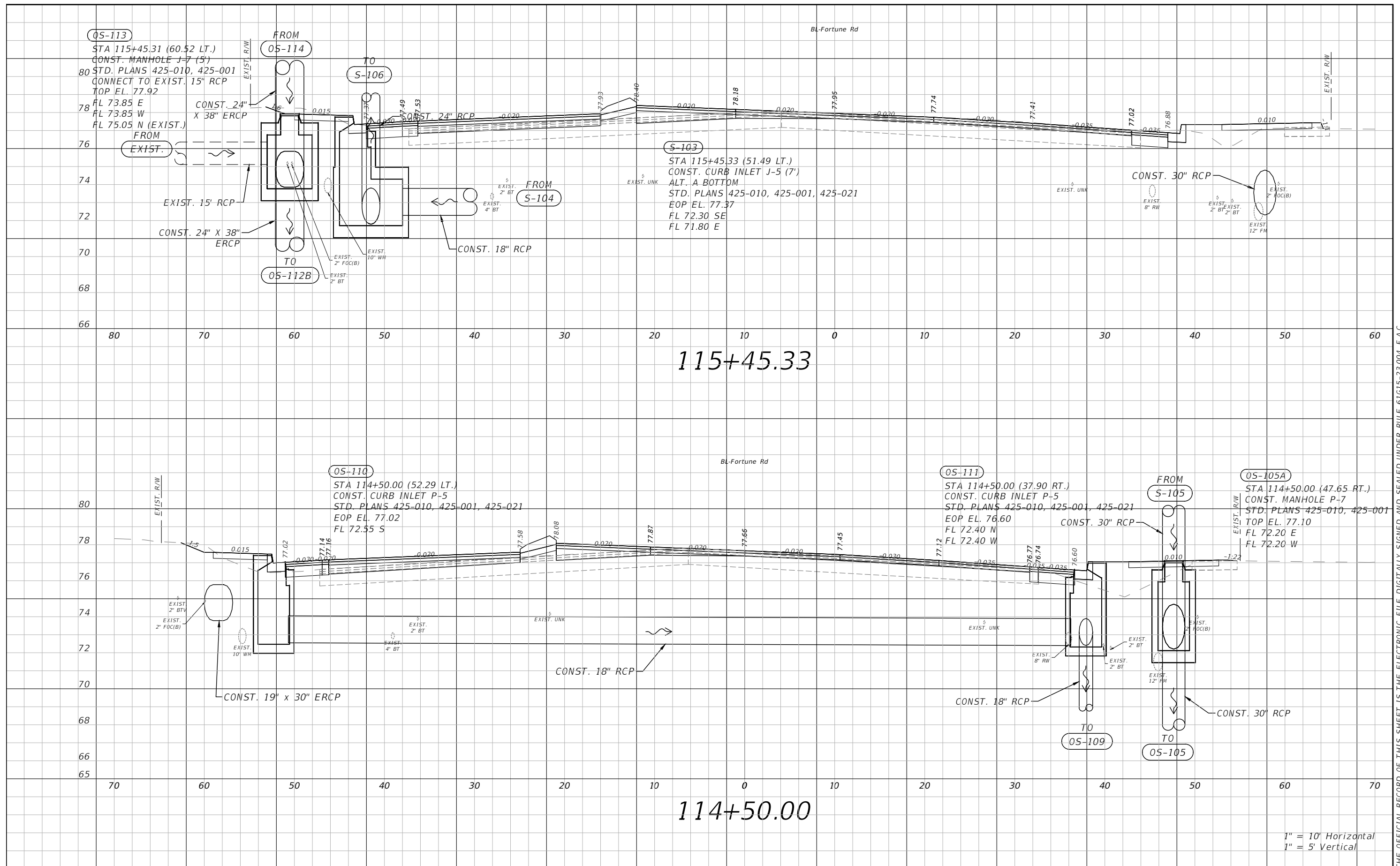
OSCEOLA COUNTY  
FLORIDA

**FORTUNE RD DRAINAGE  
STRUCTURE SECTIONS SHEET 4**

SHEET  
NO.  
**72**


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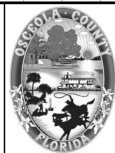




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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

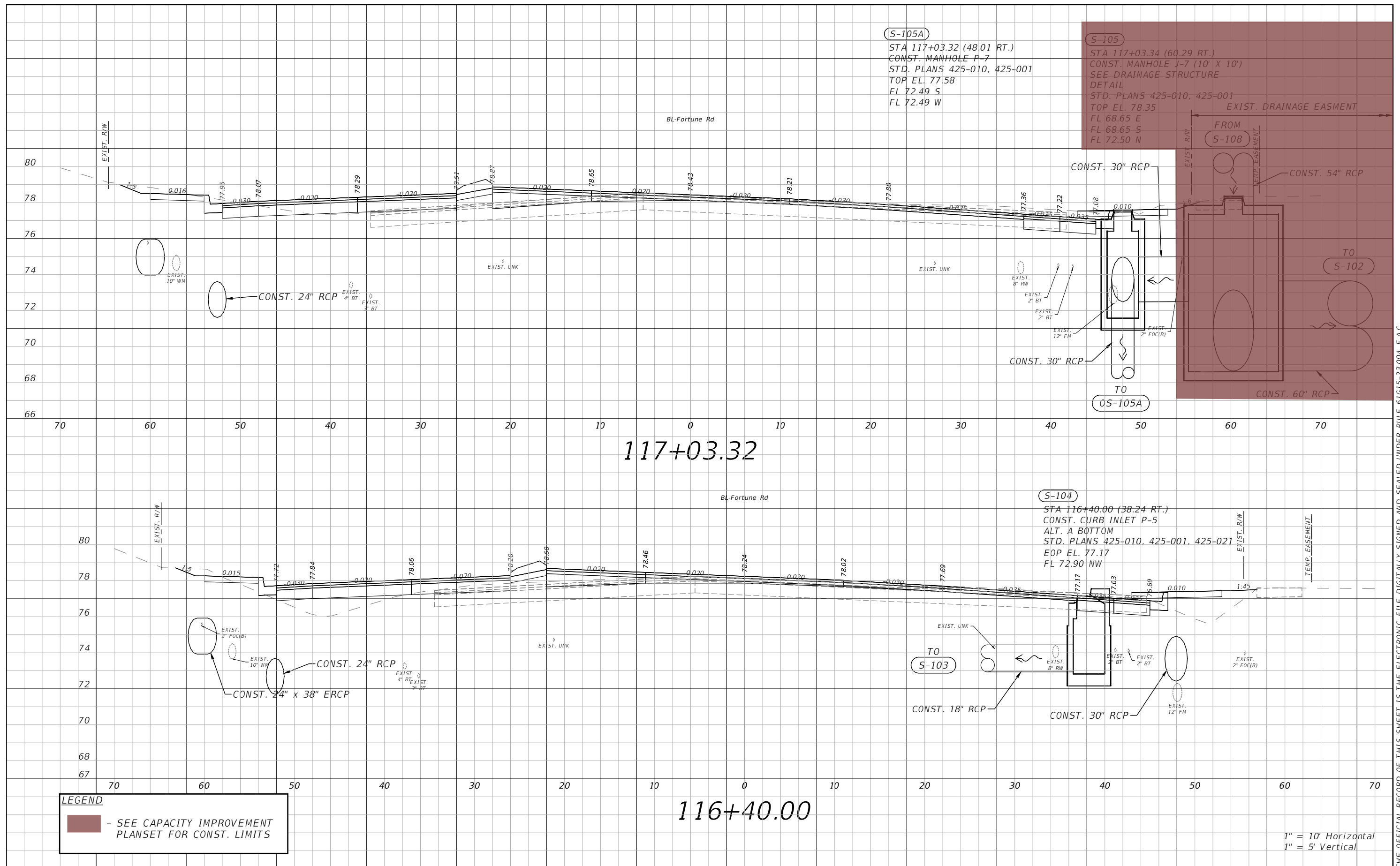

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 Orlando, FL 32801 (407)839-4006  
 Certificate of Authorization # 3932  
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 PE # 50682



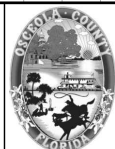
OSCEOLA COUNTY  
FLORIDA

**FORTUNE RD DRAINAGE  
STRUCTURE SECTIONS SHEET 5**

SHEET NO.  
**73**



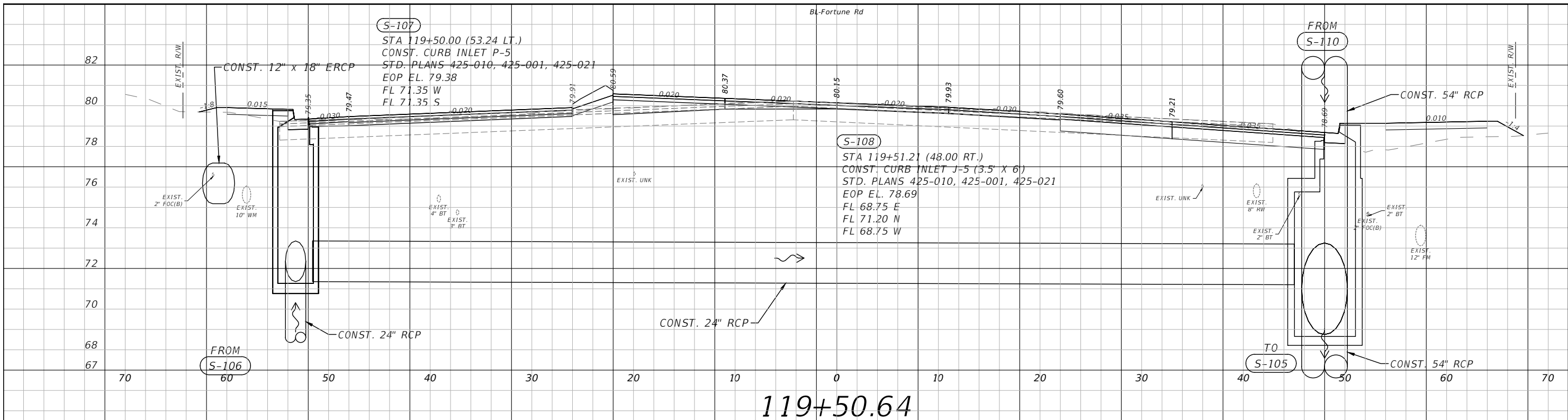
Engineers | Scientists  
 Planners | Designers  
**vhb**  
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 PE # 50682



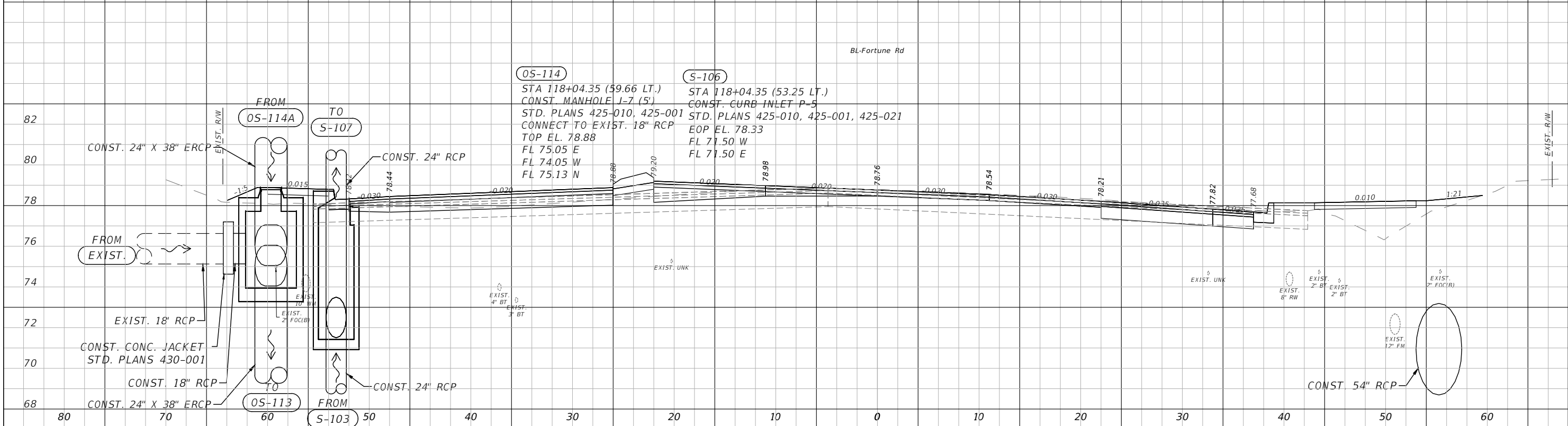
**OSCEOLA COUNTY FLORIDA**

**FORTUNE RD DRAINAGE STRUCTURE SECTIONS SHEET 6**

**SHEET NO. 74**



119+50.64

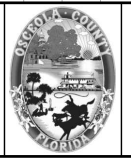


118+04.29

1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
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 PE # 50682

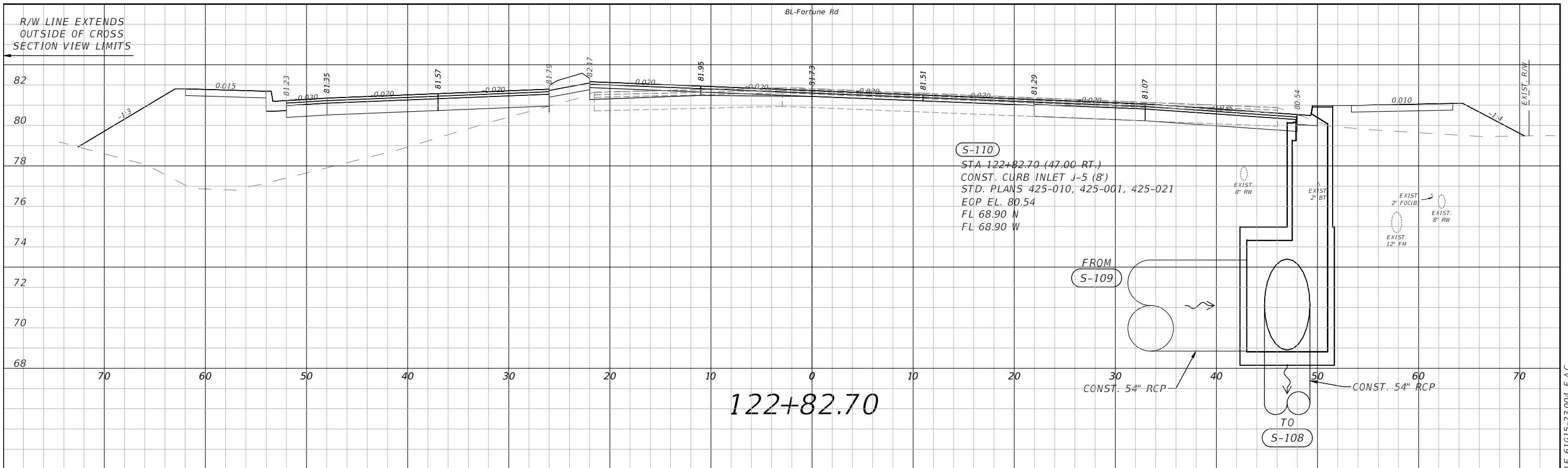


OSCEOLA COUNTY  
FLORIDA

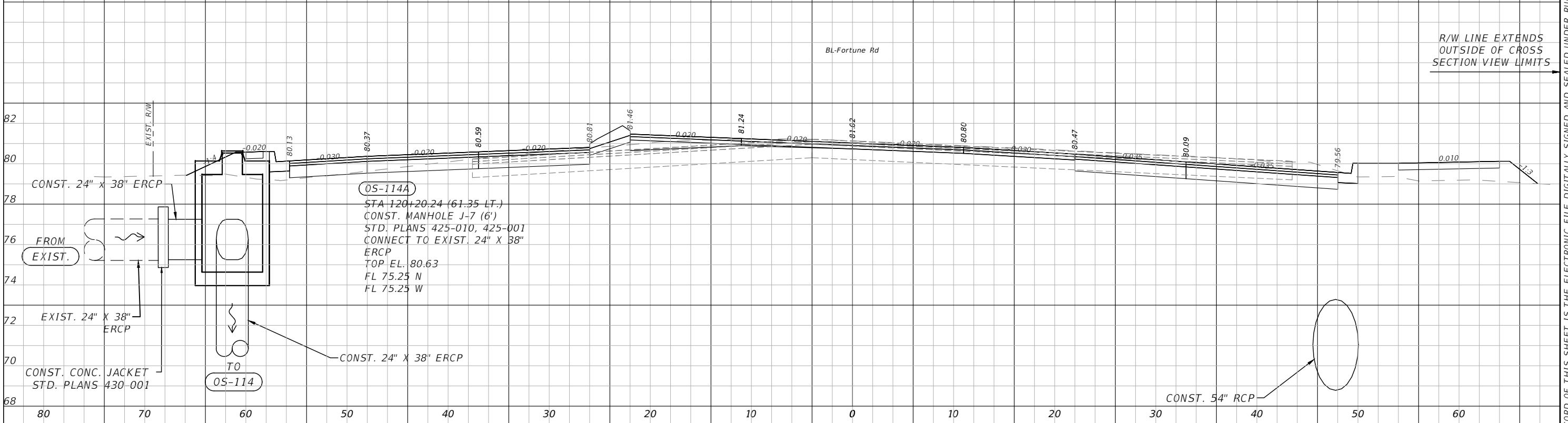
FORTUNE RD DRAINAGE  
STRUCTURE SECTIONS SHEET 7

SHEET NO.  
75

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122+82.70

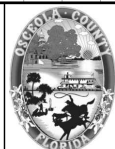


120+20.15

1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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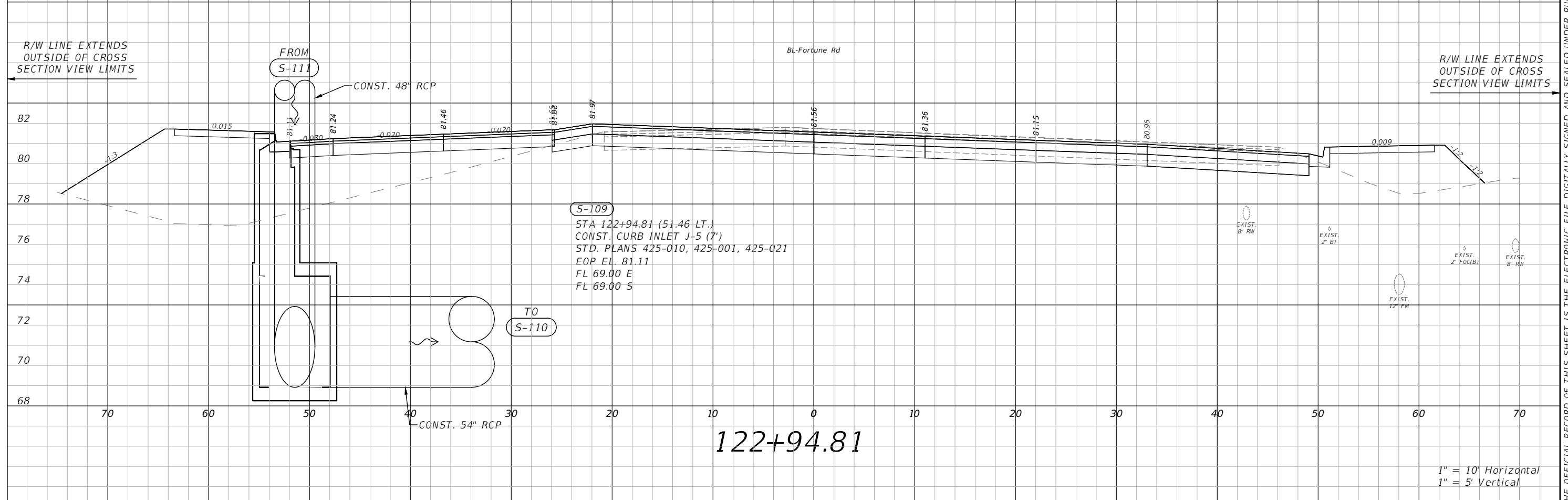
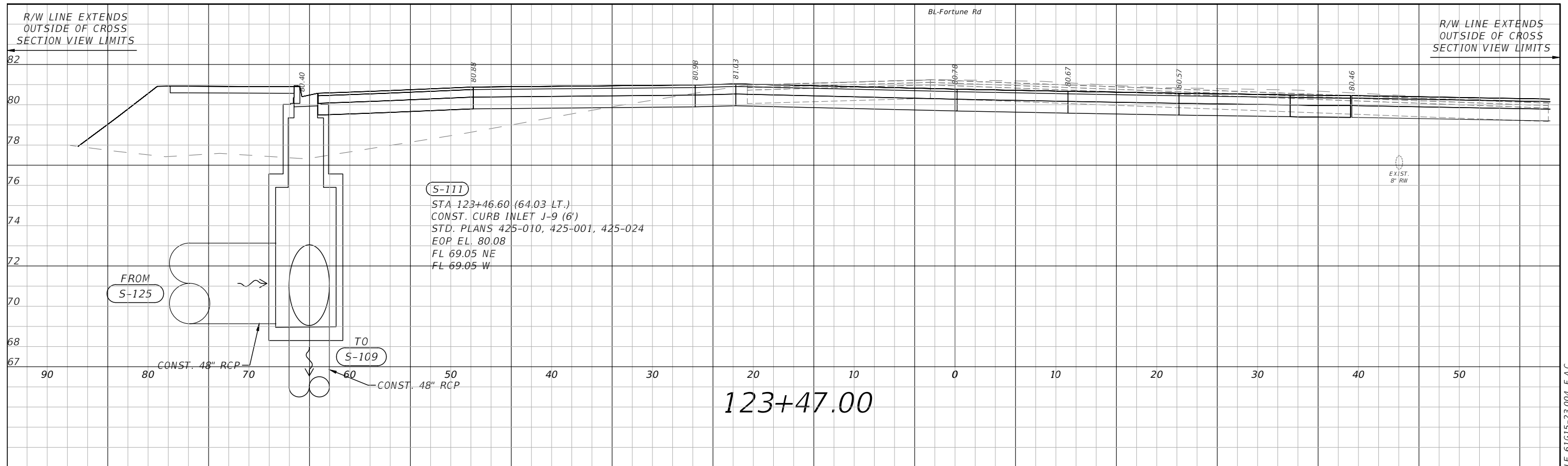
OSCEOLA COUNTY  
FLORIDA

**FORTUNE RD DRAINAGE  
STRUCTURE SECTIONS SHEET 8**

SHEET NO.  
76

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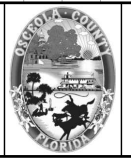




1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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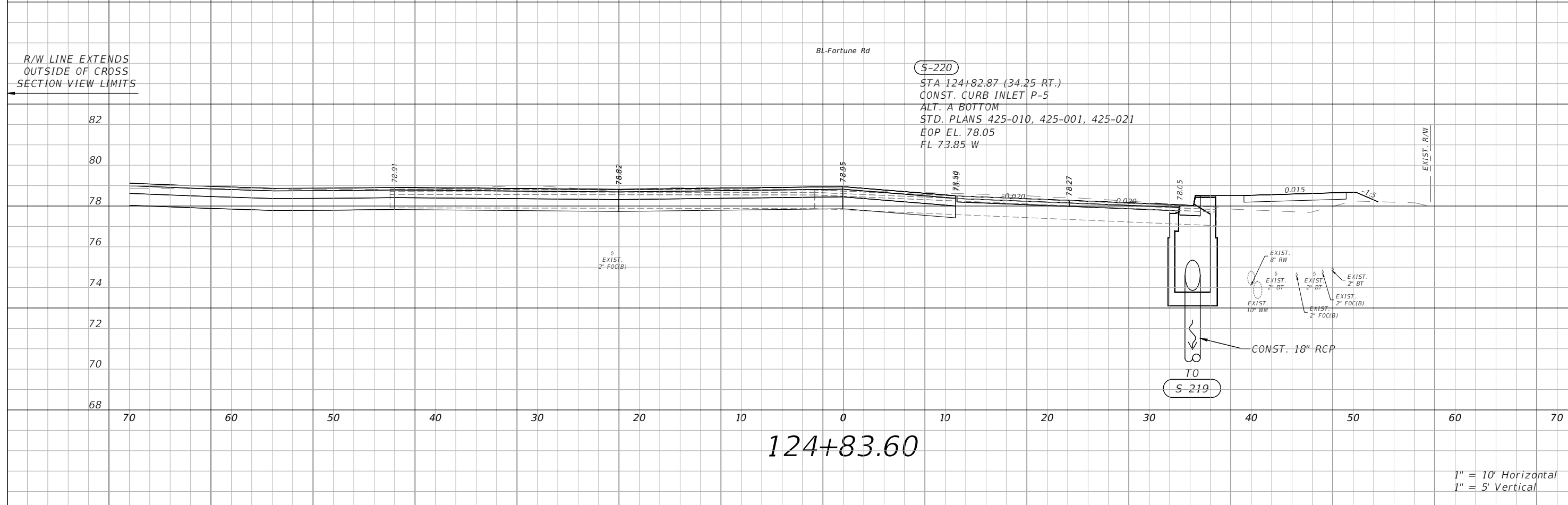
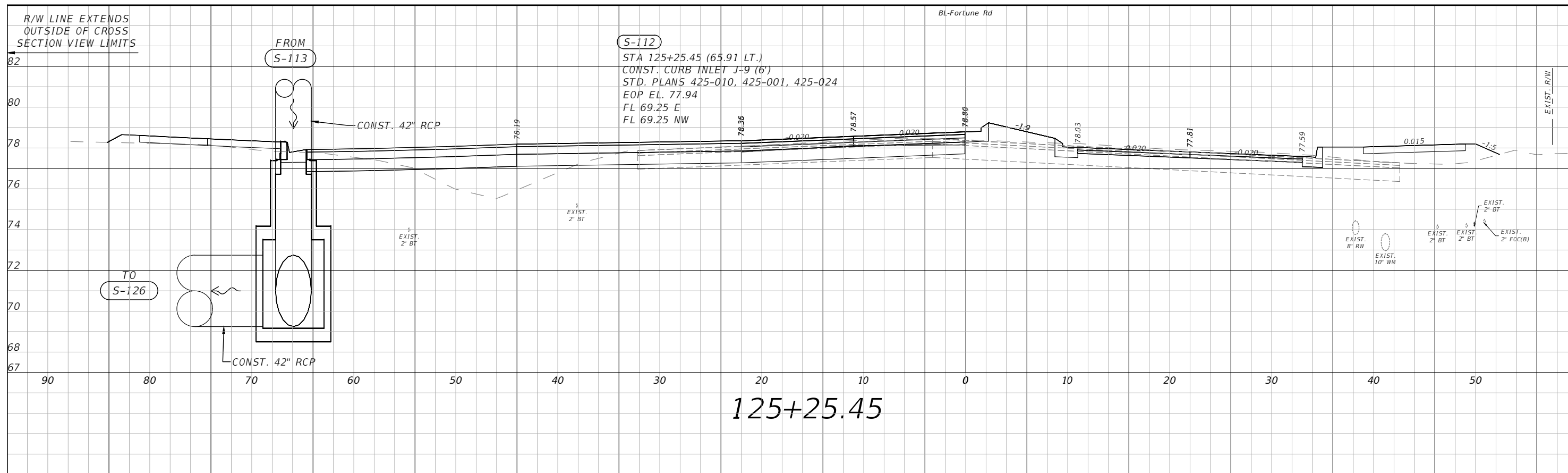


OSCEOLA COUNTY  
FLORIDA

**FORTUNE RD DRAINAGE  
STRUCTURE SECTIONS SHEET 9**

SHEET NO.  
77

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1" = 10' Horizontal  
1" = 5' Vertical

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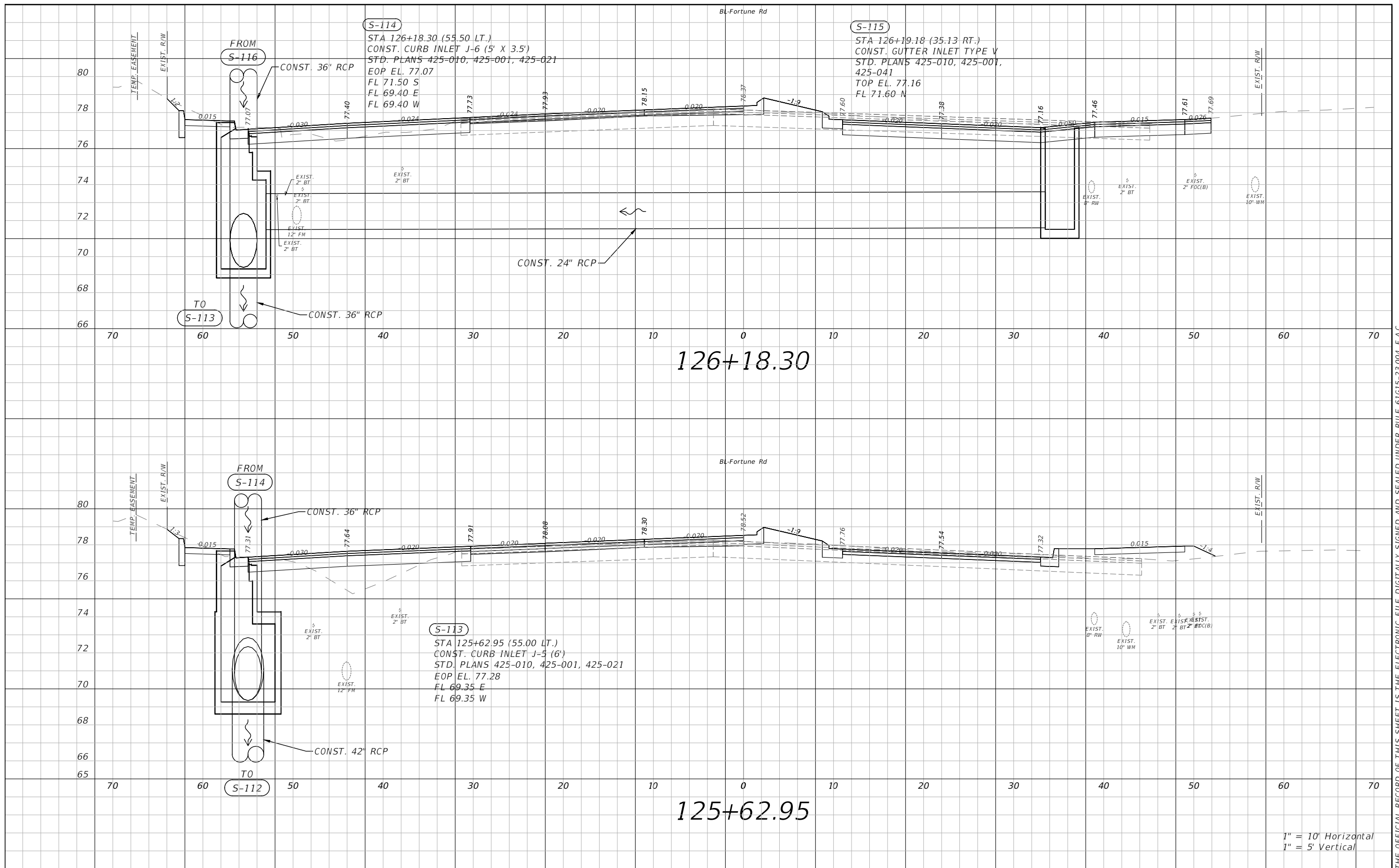


OSCEOLA COUNTY  
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**FORTUNE RD DRAINAGE  
STRUCTURE SECTIONS SHEET 10**

SHEET NO.  
**78**

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126+18.30

125+62.95

1" = 10' Horizontal  
1" = 5' Vertical

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PE # 50682

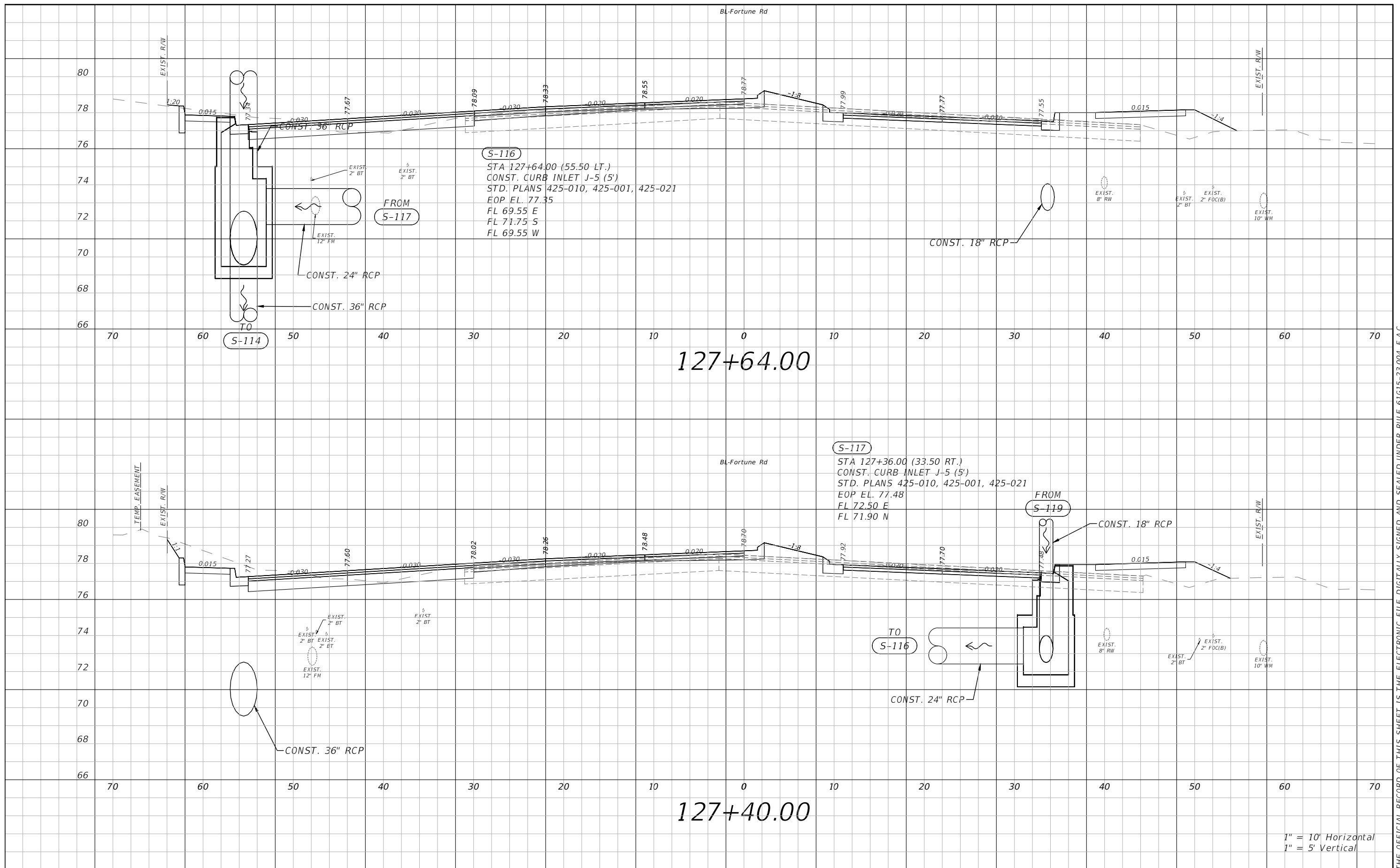


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**FORTUNE RD DRAINAGE  
STRUCTURE SECTIONS SHEET 11**

SHEET NO.  
79

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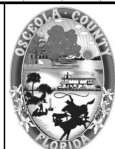
127+64.00

127+40.00

1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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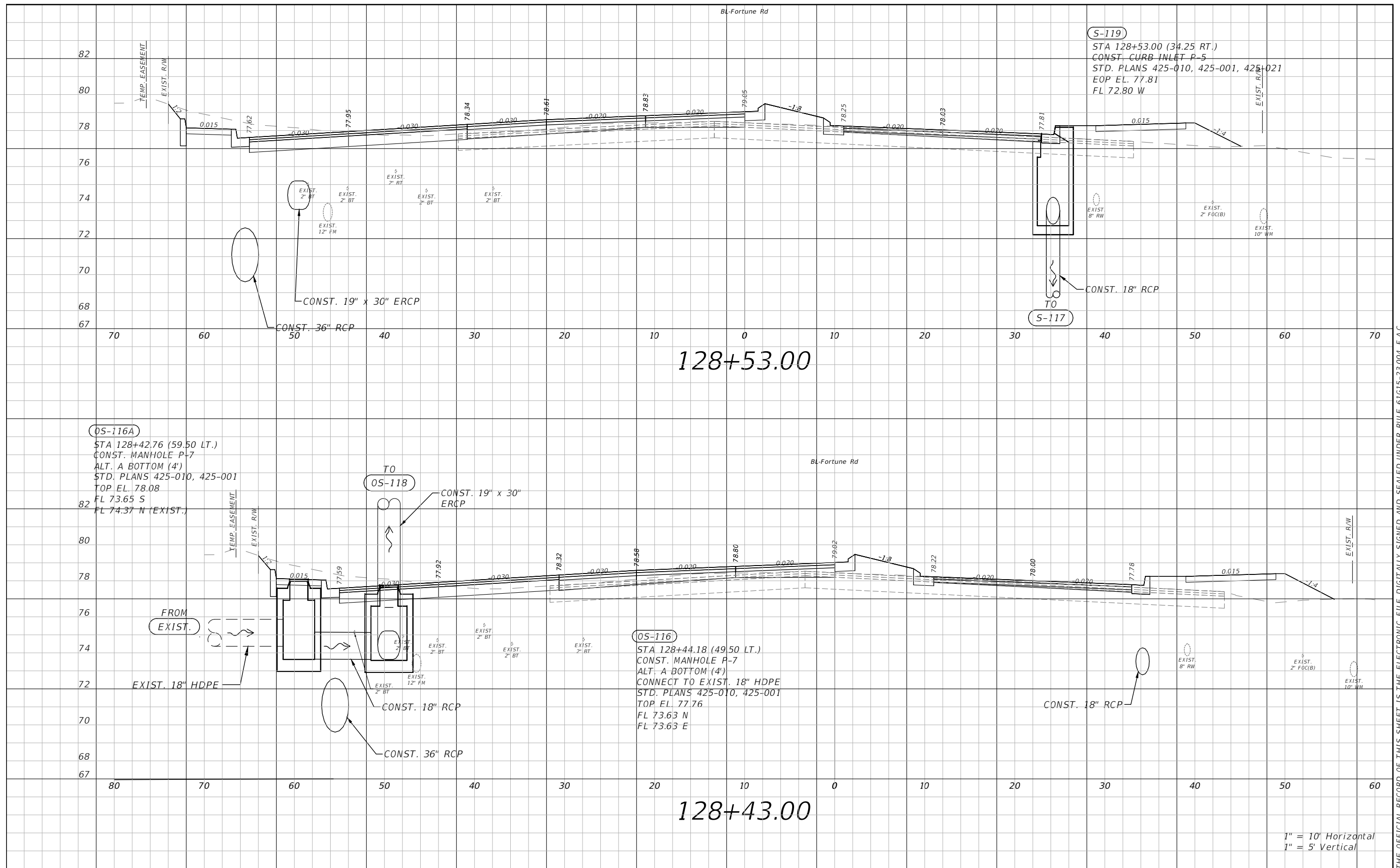
OSCEOLA COUNTY  
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**FORTUNE RD DRAINAGE  
STRUCTURE SECTIONS SHEET 12**

SHEET NO.  
80

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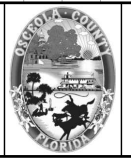
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



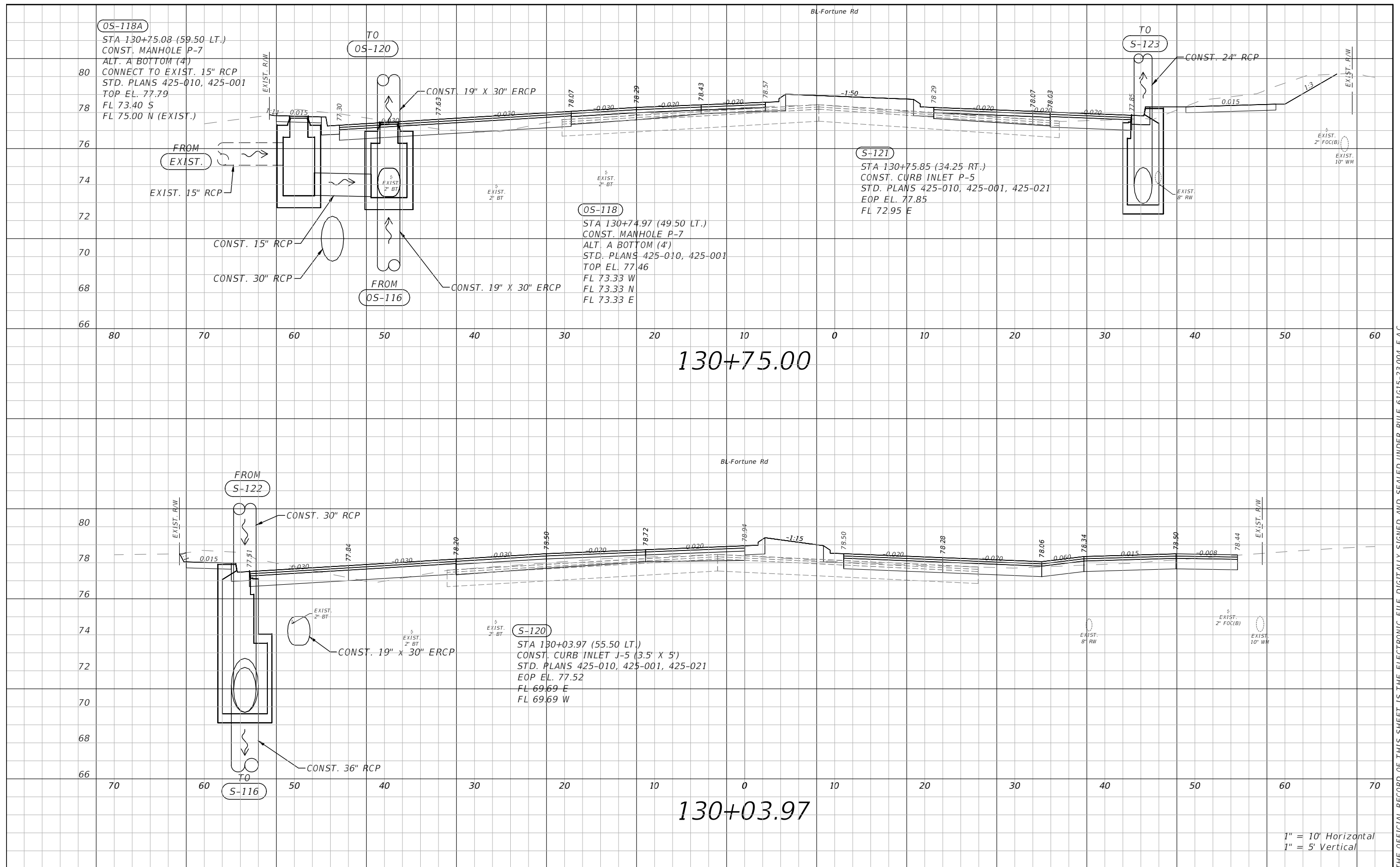
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OSCEOLA COUNTY  
FLORIDA

**FORTUNE RD DRAINAGE  
STRUCTURE SECTIONS SHEET 13**

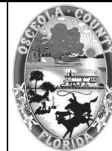
SHEET  
NO.  
**81**



1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**vhb**  
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 Planners | Designers  
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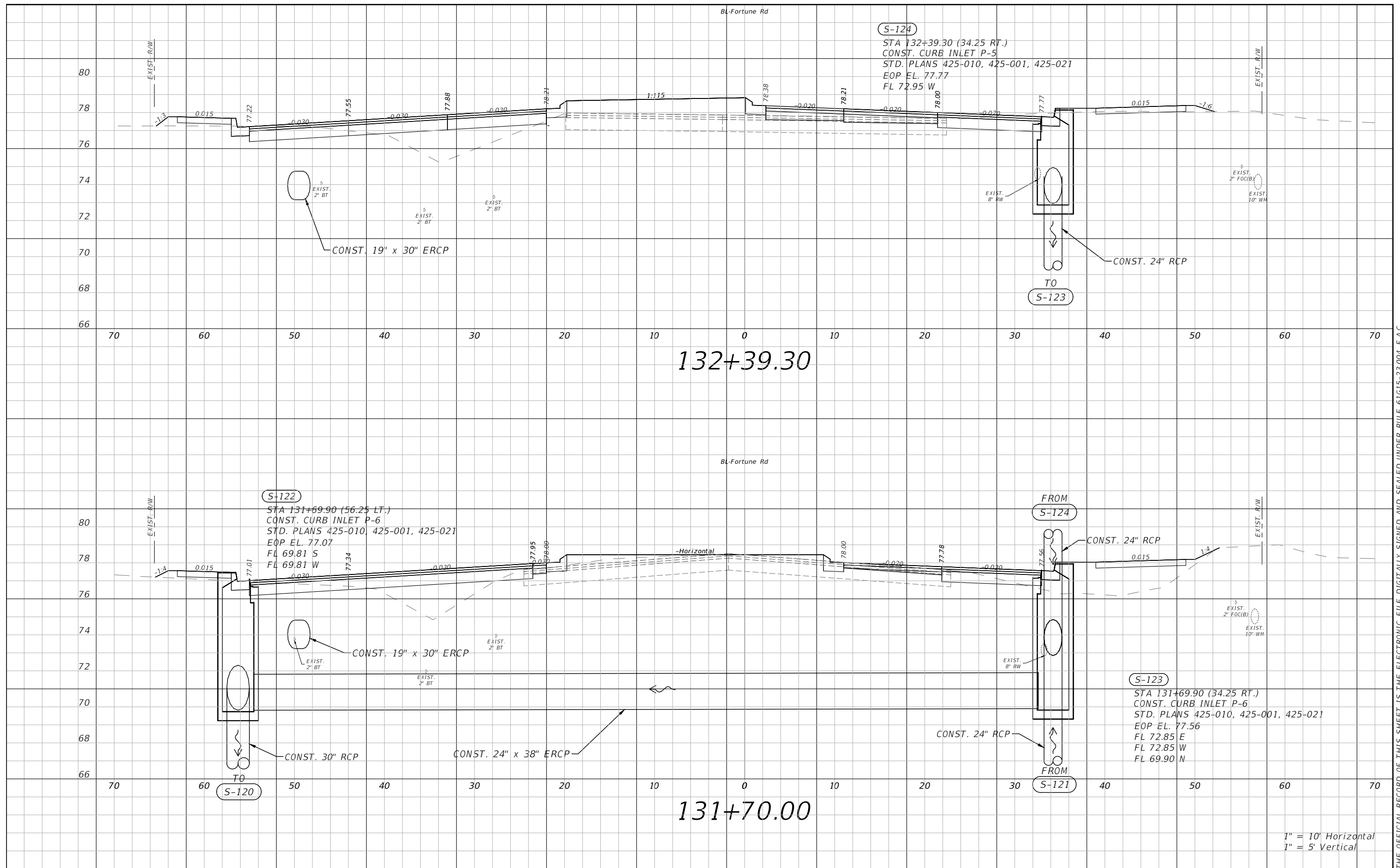


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FLORIDA

**FORTUNE RD DRAINAGE  
STRUCTURE SECTIONS SHEET 14**

SHEET  
NO.  
82

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132+39.30

131+70.00

1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
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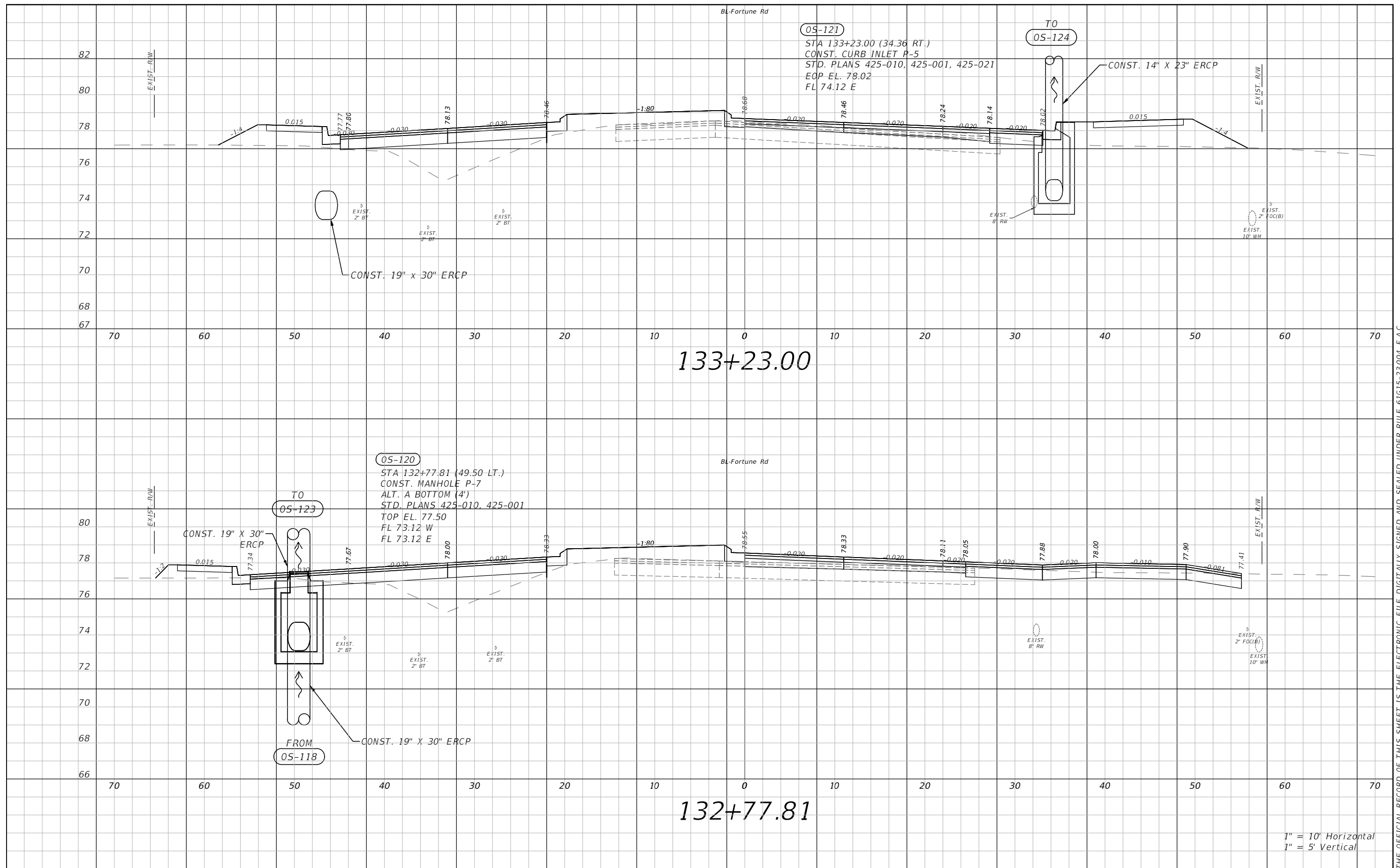


OSCEOLA COUNTY  
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**FORTUNE RD DRAINAGE  
STRUCTURE SECTIONS SHEET 15**

SHEET  
NO.  
**83**

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133+23.00

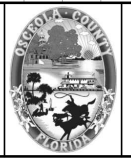
132+77.81

1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
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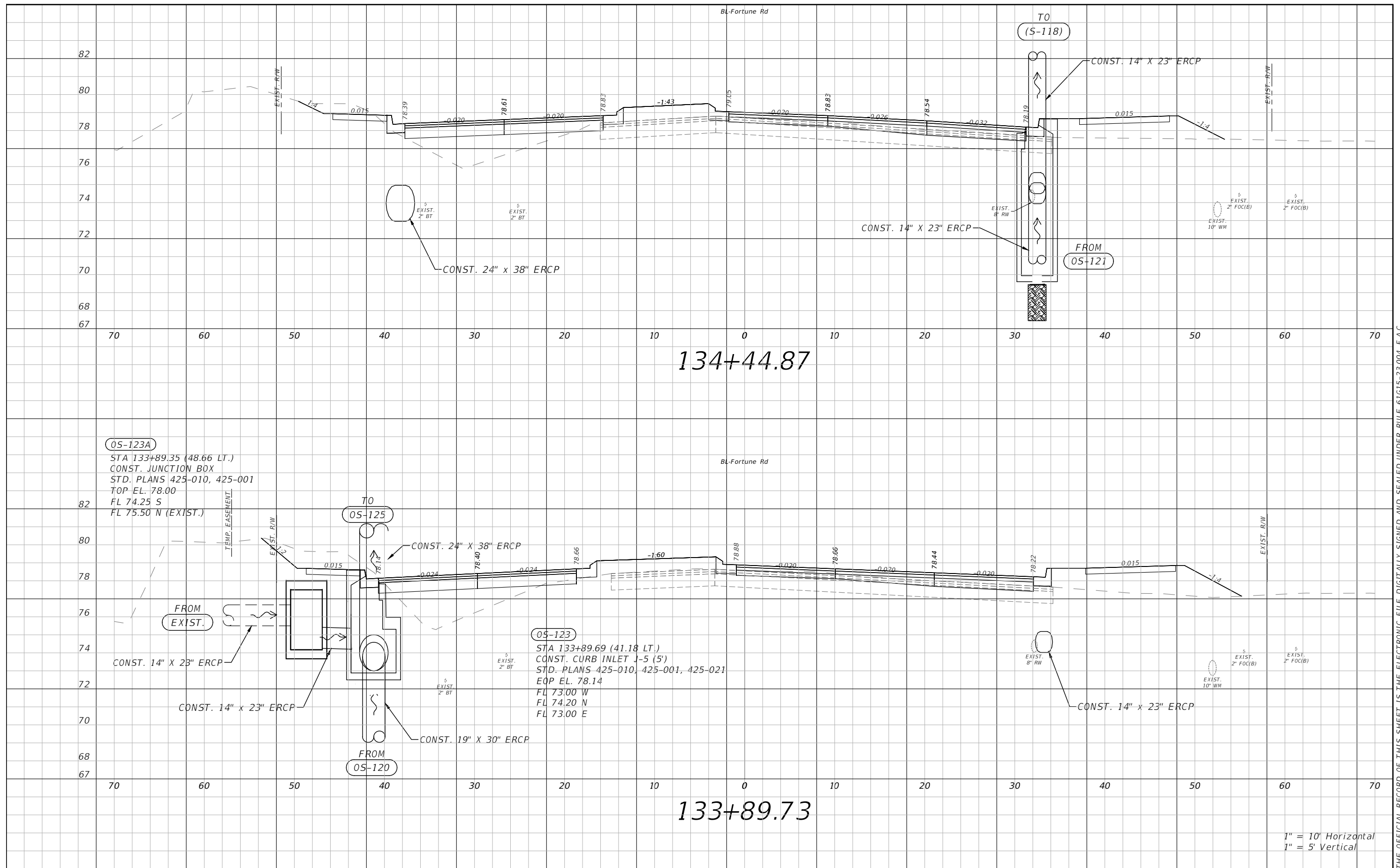
OSCEOLA COUNTY  
FLORIDA

**FORTUNE RD DRAINAGE  
STRUCTURE SECTIONS SHEET 16**

SHEET  
NO.  
**84**

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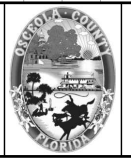
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1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



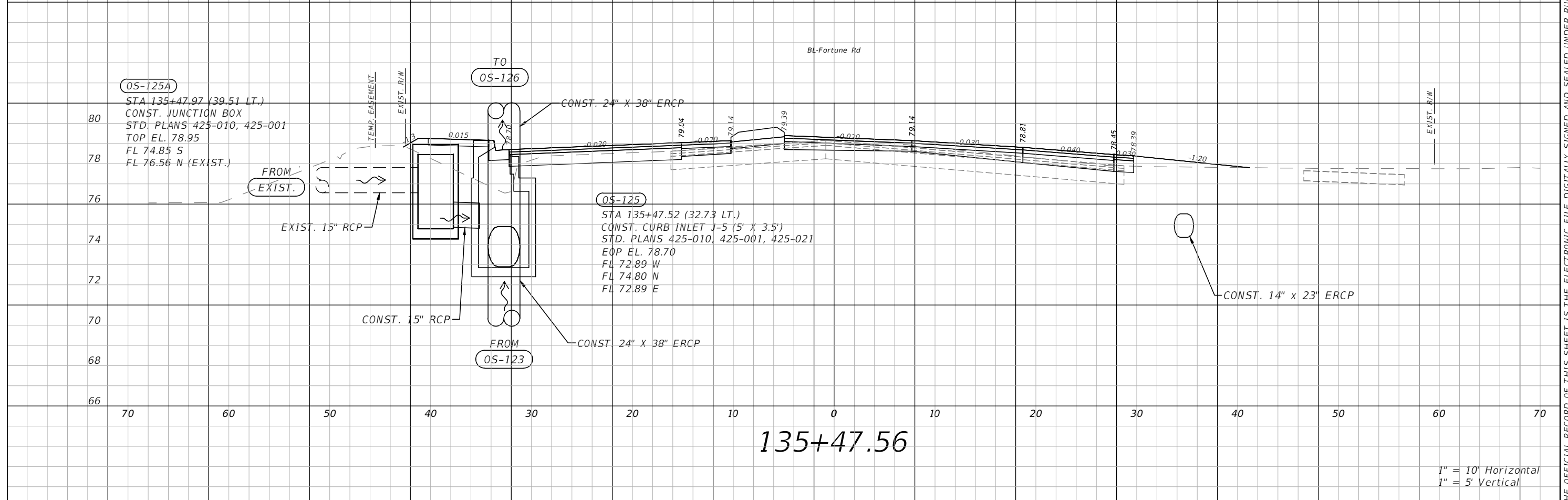
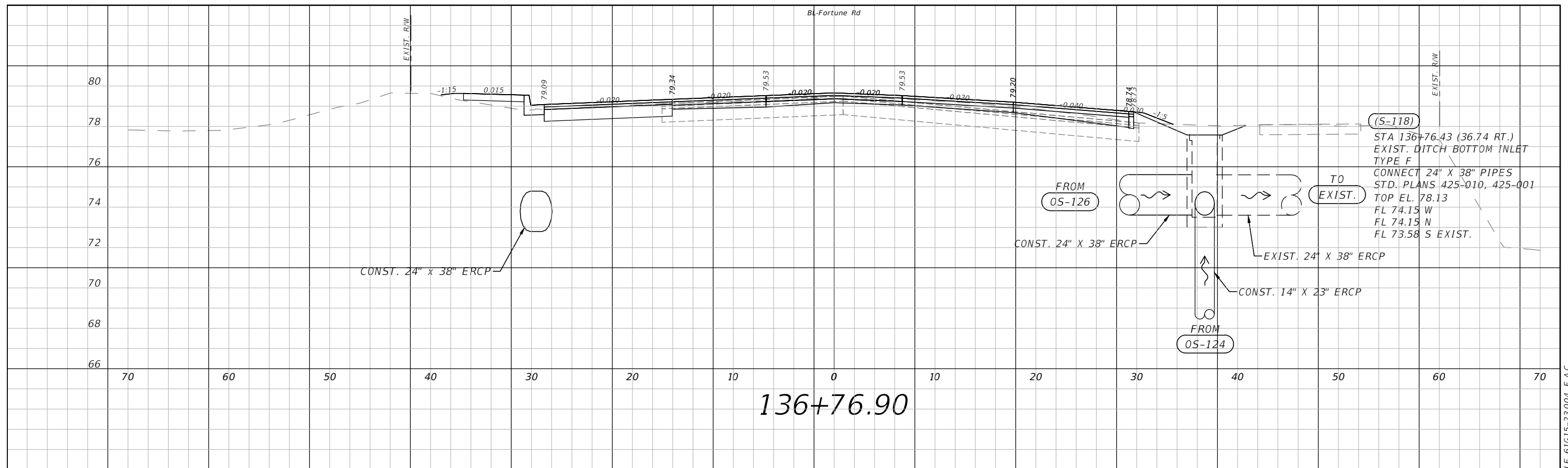
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OSCEOLA COUNTY  
FLORIDA

**FORTUNE RD DRAINAGE  
STRUCTURE SECTIONS SHEET 17**

SHEET NO.  
**85**



1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**vhb** Engineers | Scientists  
Planners | Designers  
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PE # 50682

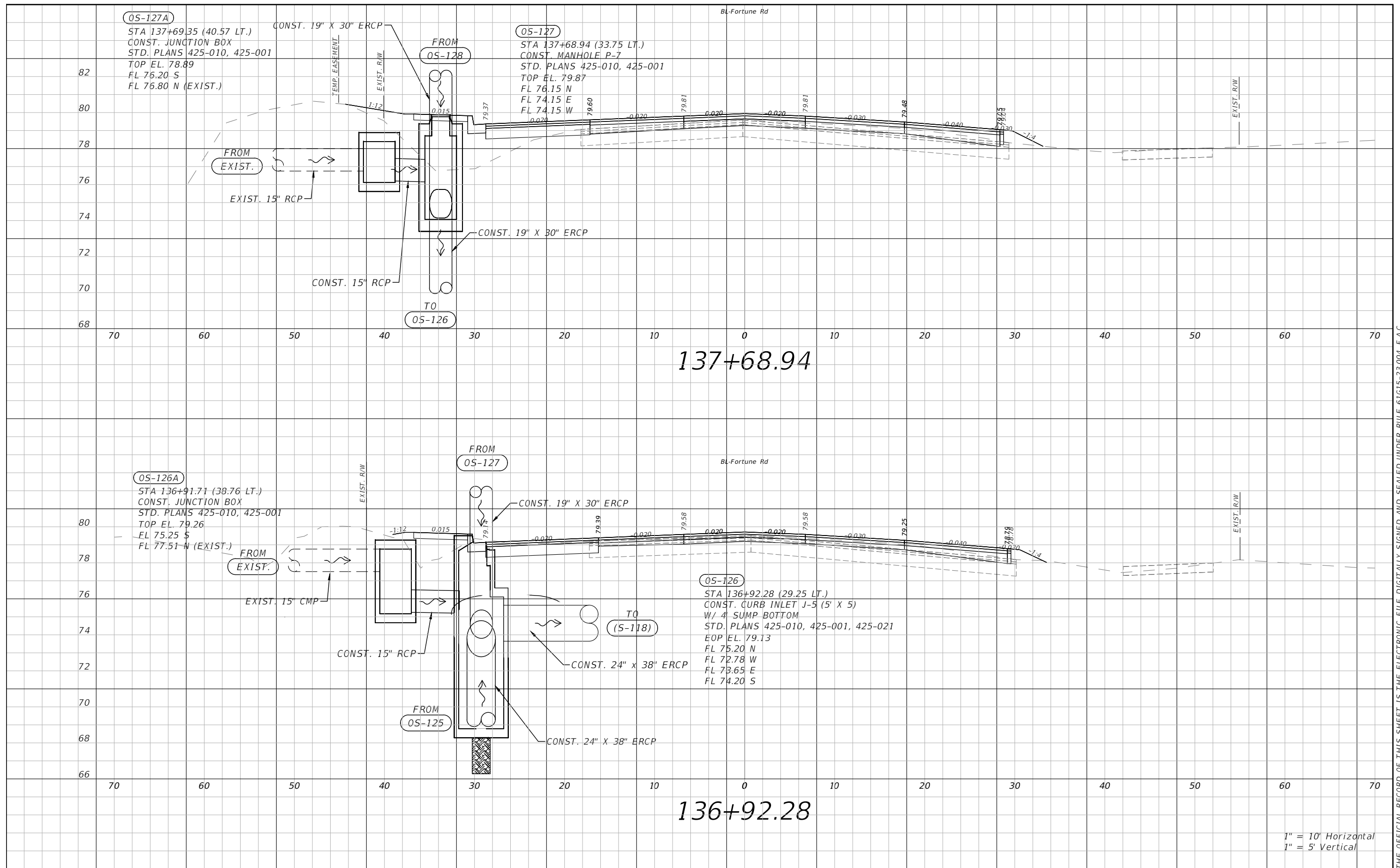


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FLORIDA

**FORTUNE RD DRAINAGE  
STRUCTURE SECTIONS SHEET 18**

SHEET NO.  
86

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137+68.94

136+92.28

1" = 10' Horizontal  
1" = 5' Vertical

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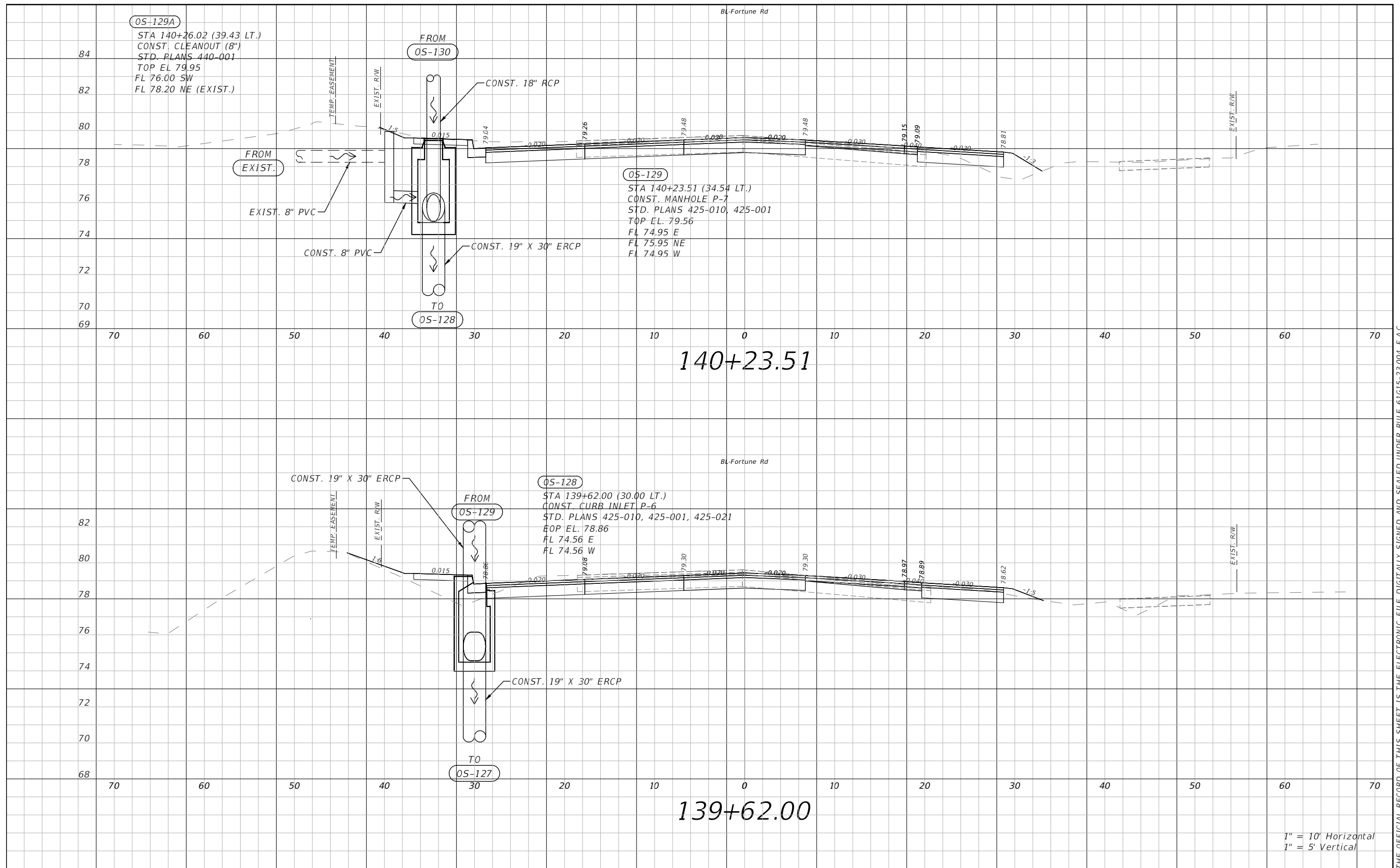


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**FORTUNE RD DRAINAGE  
STRUCTURE SECTIONS SHEET 19**

SHEET  
NO.  
87

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140+23.51

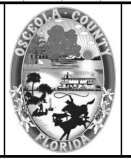
139+62.00

1" = 10' Horizontal  
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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 PE # 50682

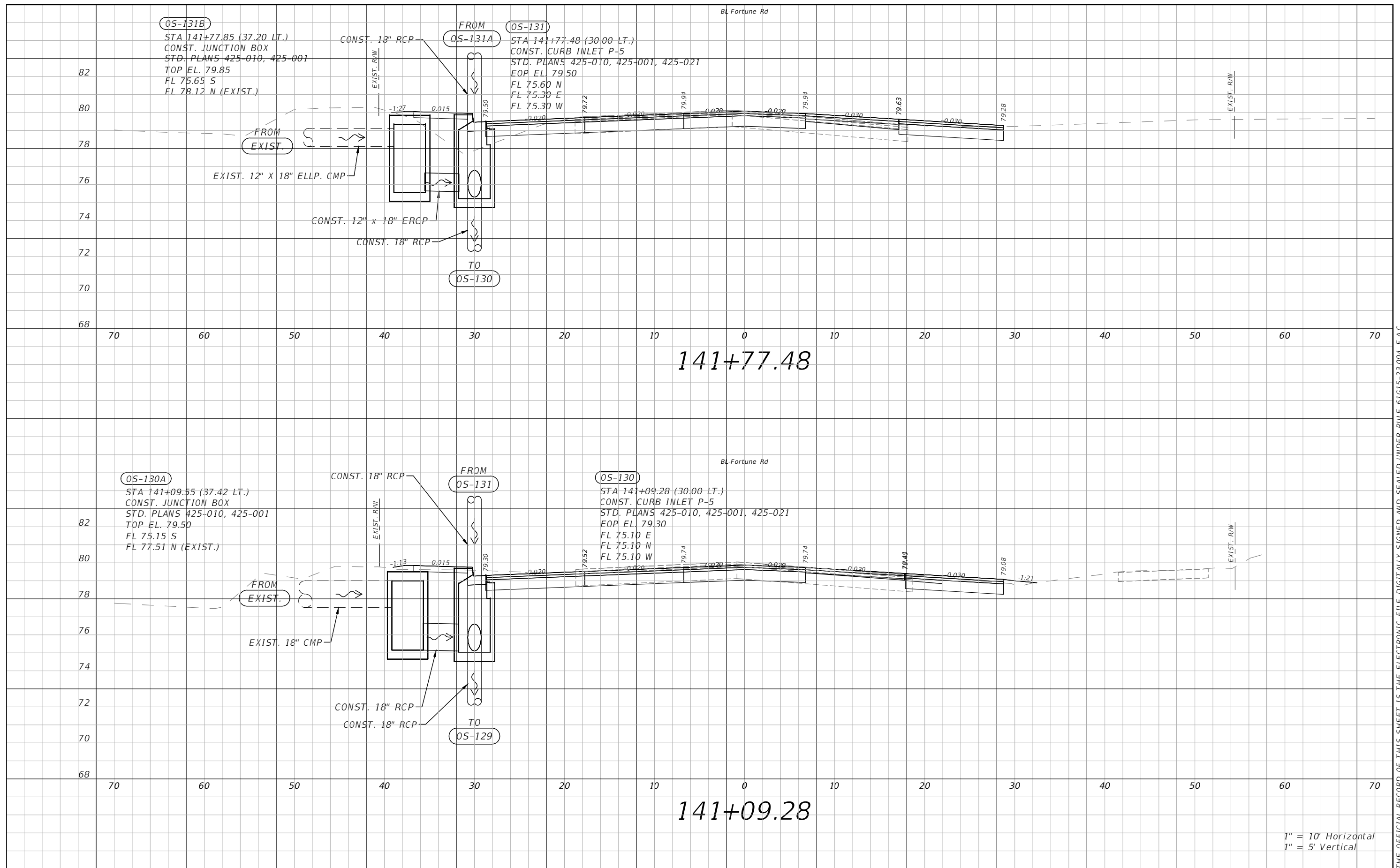


OSCEOLA COUNTY  
 FLORIDA

**FORTUNE RD DRAINAGE  
 STRUCTURE SECTIONS SHEET 20**

SHEET  
 NO.  
 88

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141+77.48

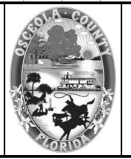
141+09.28

1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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PE # 50682



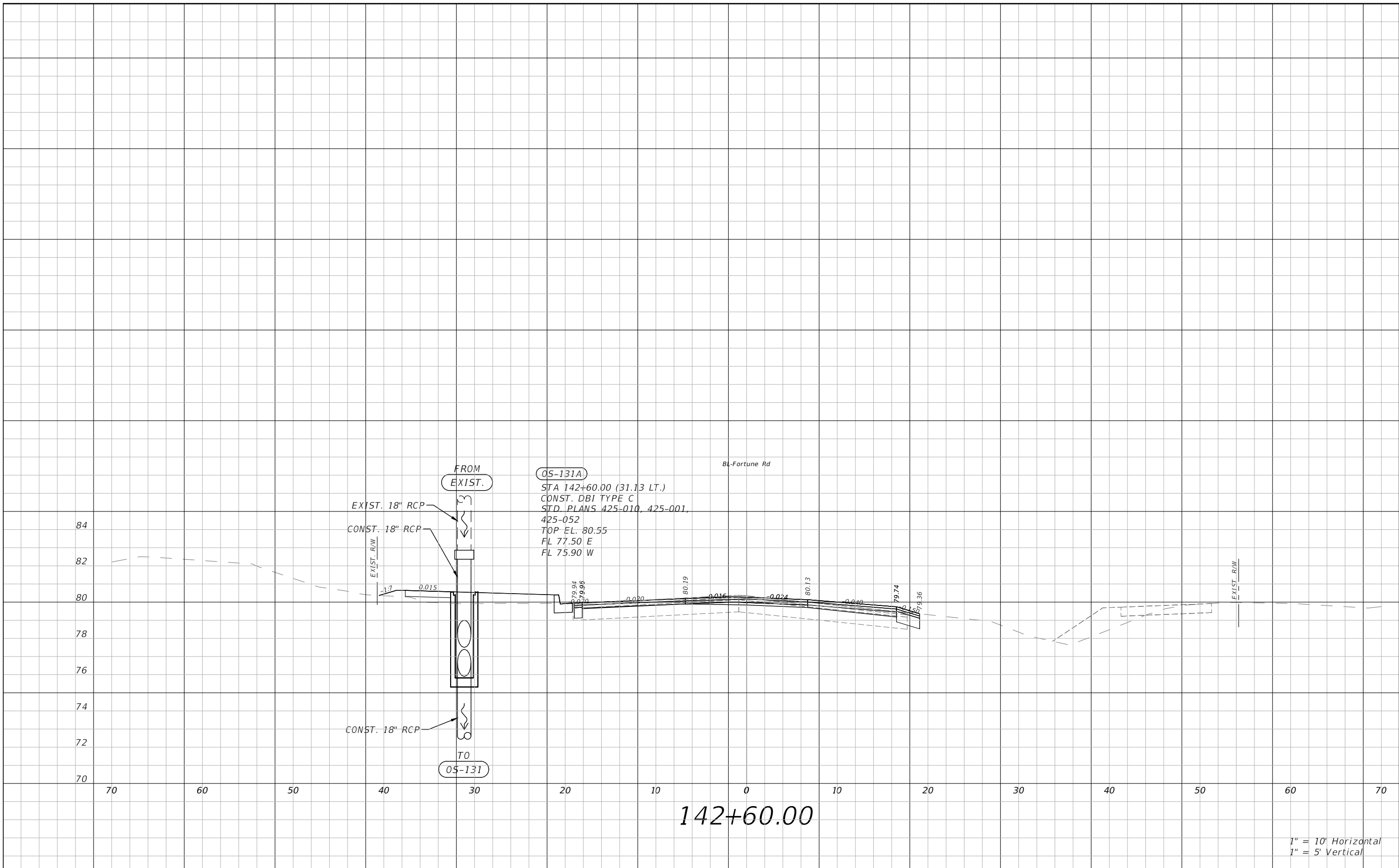
OSCEOLA COUNTY  
FLORIDA

**FORTUNE RD DRAINAGE  
STRUCTURE SECTIONS SHEET 21**

SHEET  
NO.  
**89**

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142+60.00

1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
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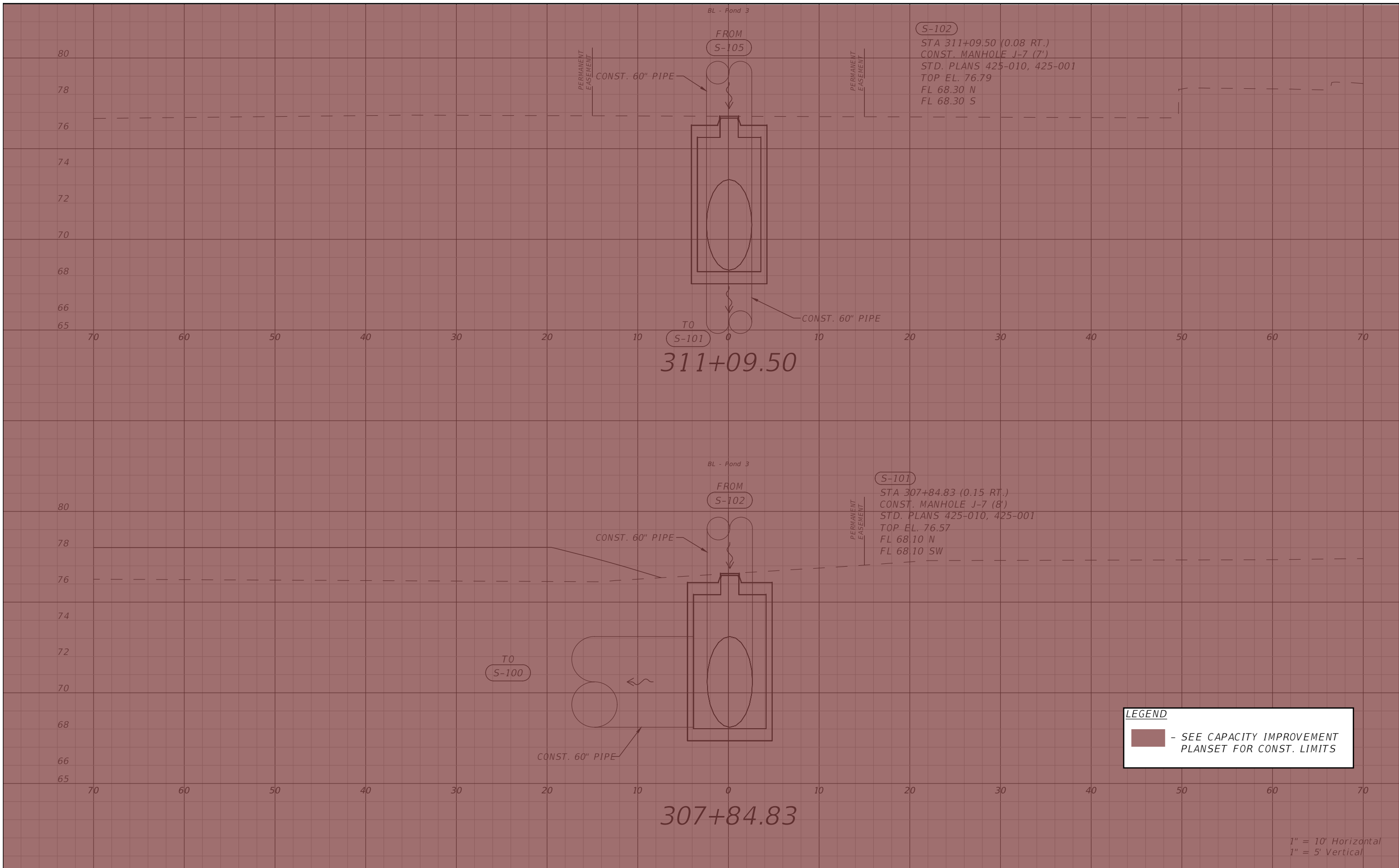



OSCEOLA COUNTY  
FLORIDA

**FORTUNE RD DRAINAGE  
STRUCTURE SECTIONS SHEET 22**

SHEET NO.  
90

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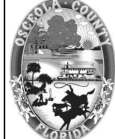
**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 10' Horizontal  
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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 PE # 50682

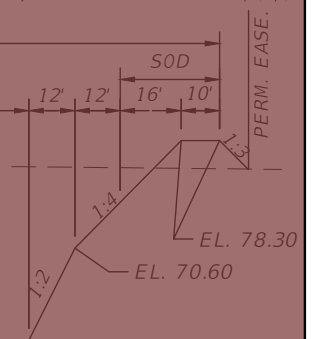
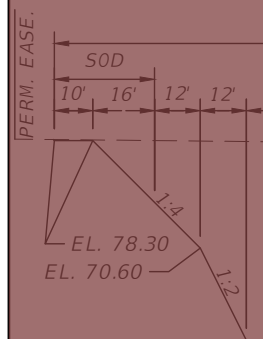
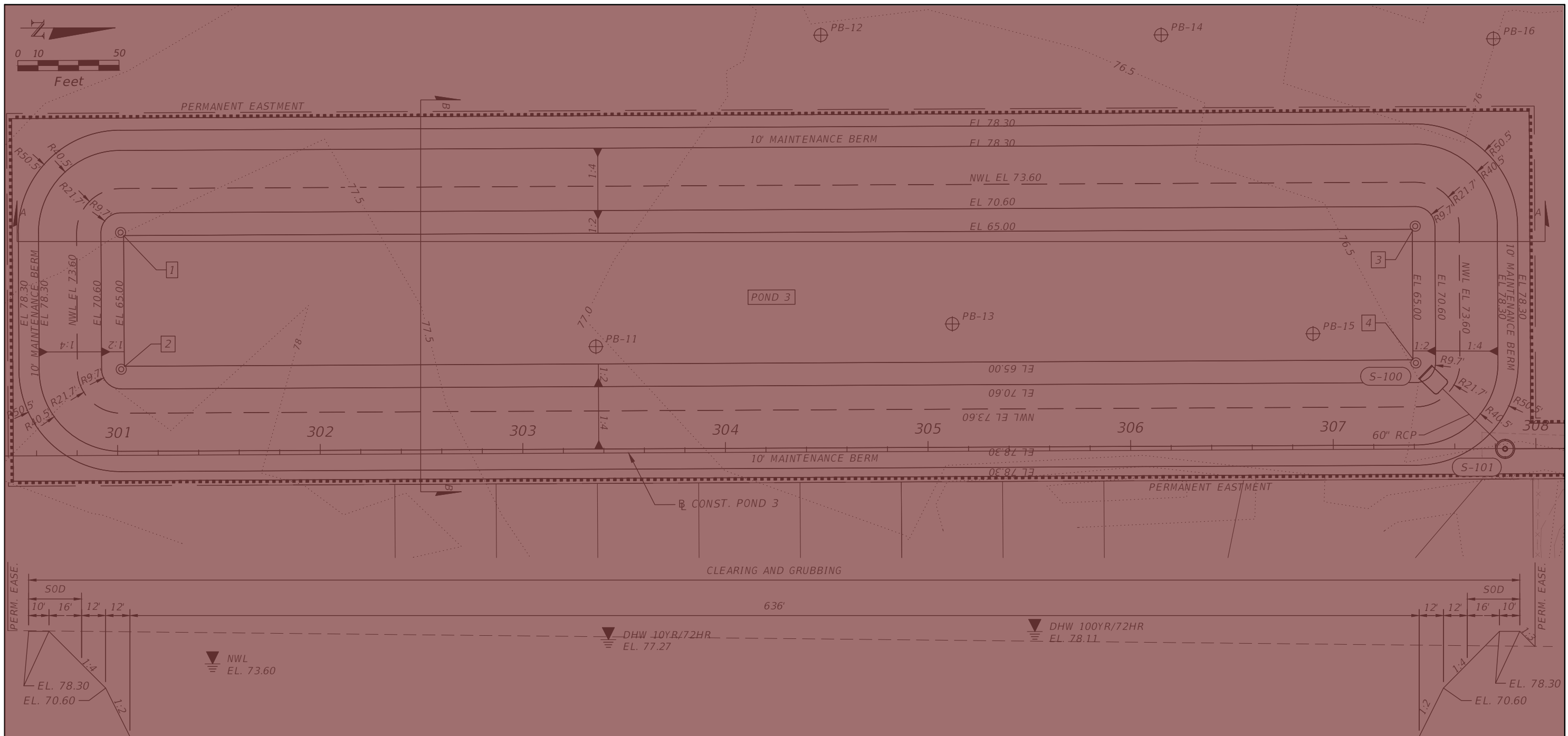


OSCEOLA COUNTY  
 FLORIDA

POND 3 DRAINAGE  
 STRUCTURE SECTIONS

SHEET NO.  
 91

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TYPICAL SECTION A-A  
N.T.S.



TYPICAL SECTION B-B  
N.T.S.

POND 3 REFERENCE POINTS

NO.	STA.	OFFSET
1	301+02.00	110.00 LT.
2	301+02.00	42.50 LT.
3	307+41.00	110.00 LT.
4	307+41.00	42.50 LT.

POND BORING LOCATIONS

NAME	STA.	OFFSET
PB-11	303+36.31	52.54 LT.
PB-12	304+48.04	205.74 LT.
PB-13	305+12.29	62.85 LT.
PB-14	306+16.04	205.03 LT.
PB-15	306+90.30	57.16 LT.
PB-16	307+80.05	202.32 LT.

**LEGEND**

- SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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PE # 50682



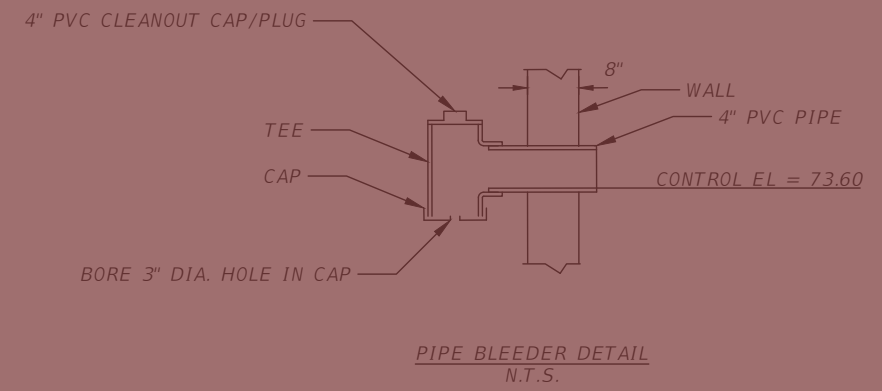
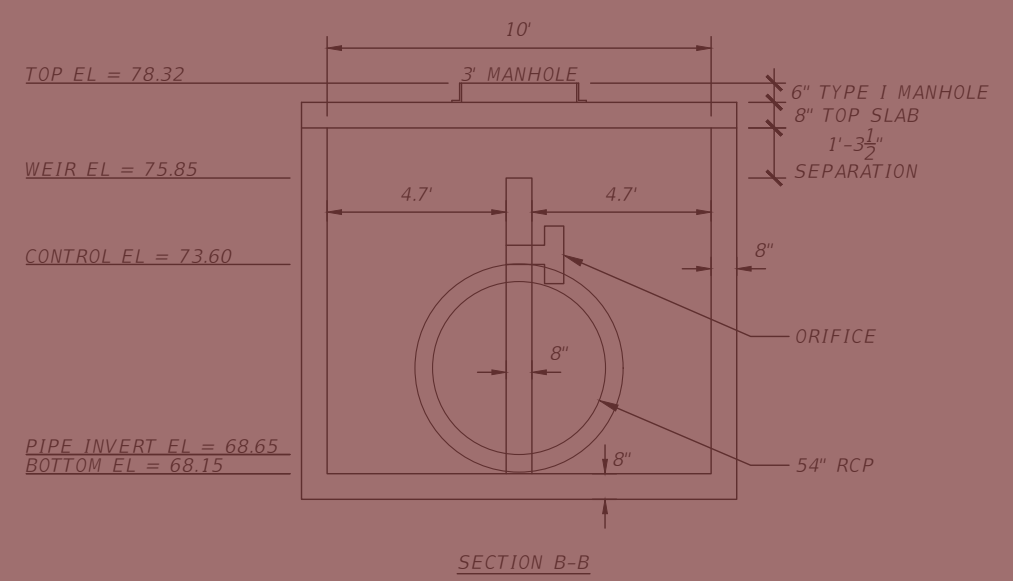
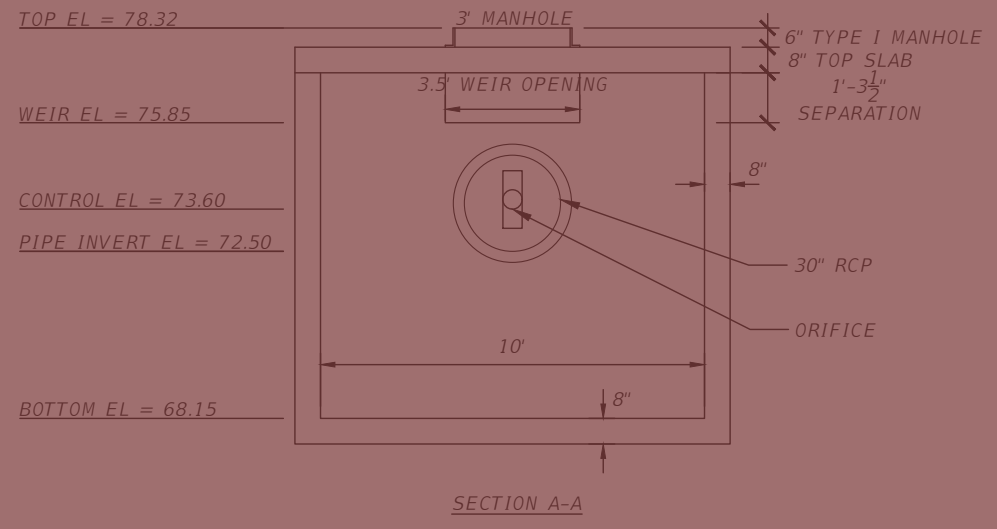
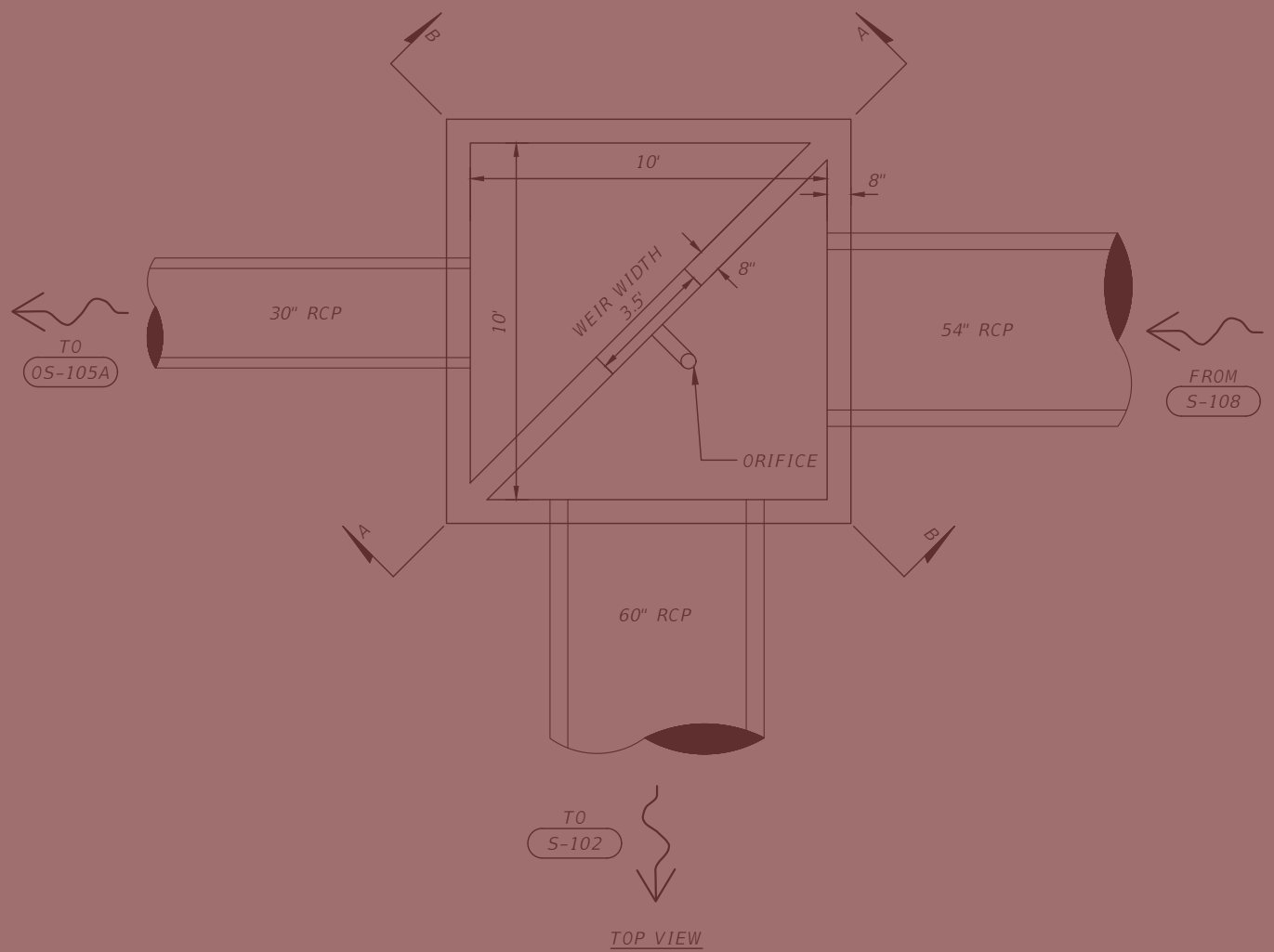
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POND 3 DETAIL SHEET

SHEET NO.  
92

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S-105 P-7 MANHOLE  
POND OUTFALL DETAIL



**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

REVISIONS			
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 PE # 50682

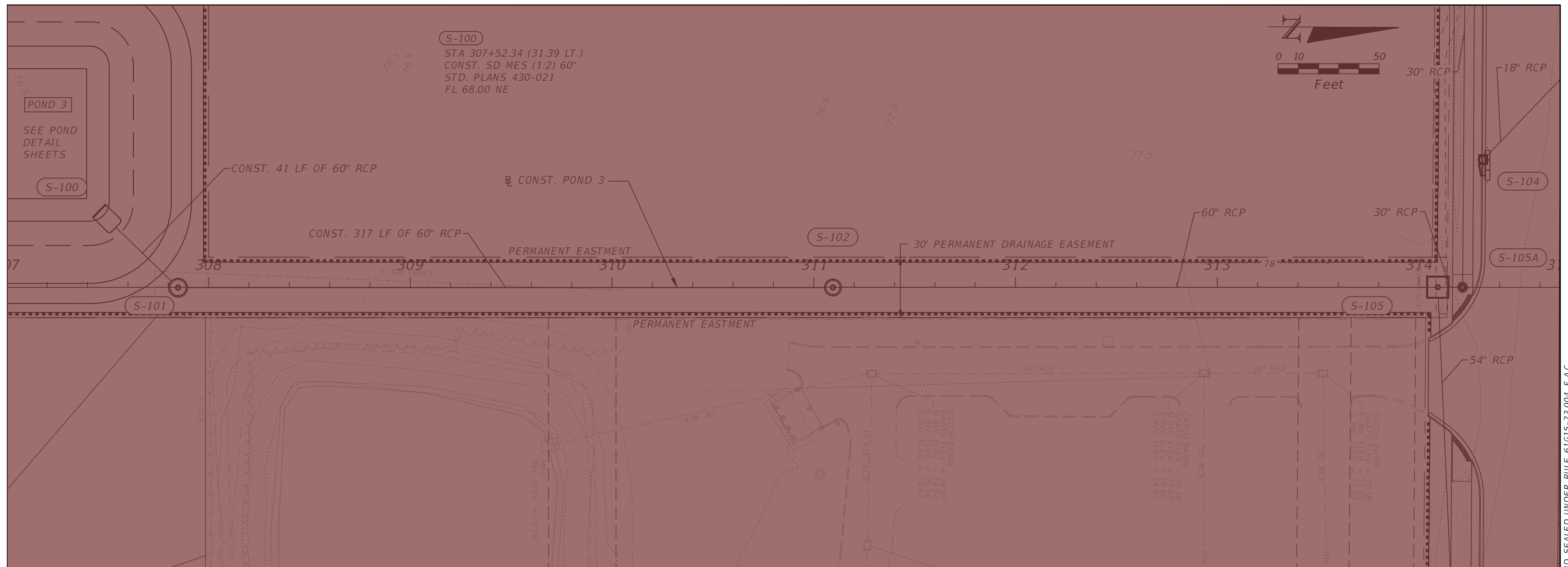


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FLORIDA

POND 3 CONTROL STRUCTURE  
DETAIL


SHEET NO.  
93

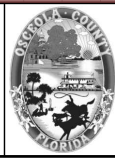
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**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION


 Engineers | Scientists  
 Planners | Designers  
 225 E. Robinson Street, Suite 300  
 Orlando, FL 32801 (407)839-4006  
 Certificate of Authorization # 3932  
 Paul W. Yeargain, P.E.  
 PE # 50682



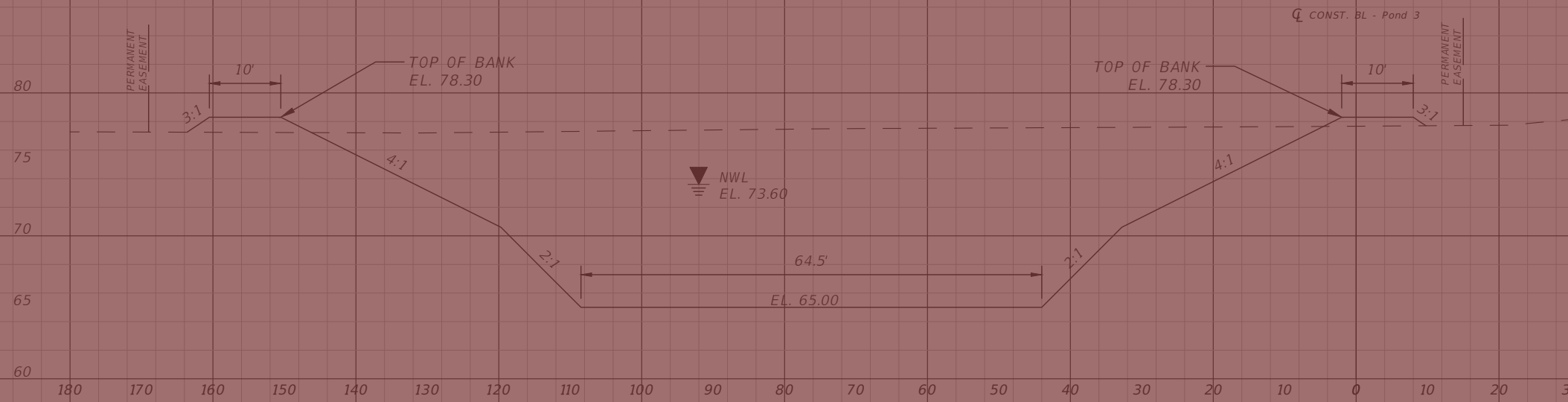
OSCEOLA COUNTY  
FLORIDA

**POND 3 OUTFALL PIPE  
PLAN AND PROFILE**

SHEET  
NO.  
**94**

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**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

 **vhb**  
 Engineers | Scientists  
 Planners | Designers  
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 Orlando, FL 32801 (407)839-4006  
 Certificate of Authorization # 3932  
 Paul W. Yeargain, P.E.  
 PE # 50682



OSCEOLA COUNTY  
 FLORIDA

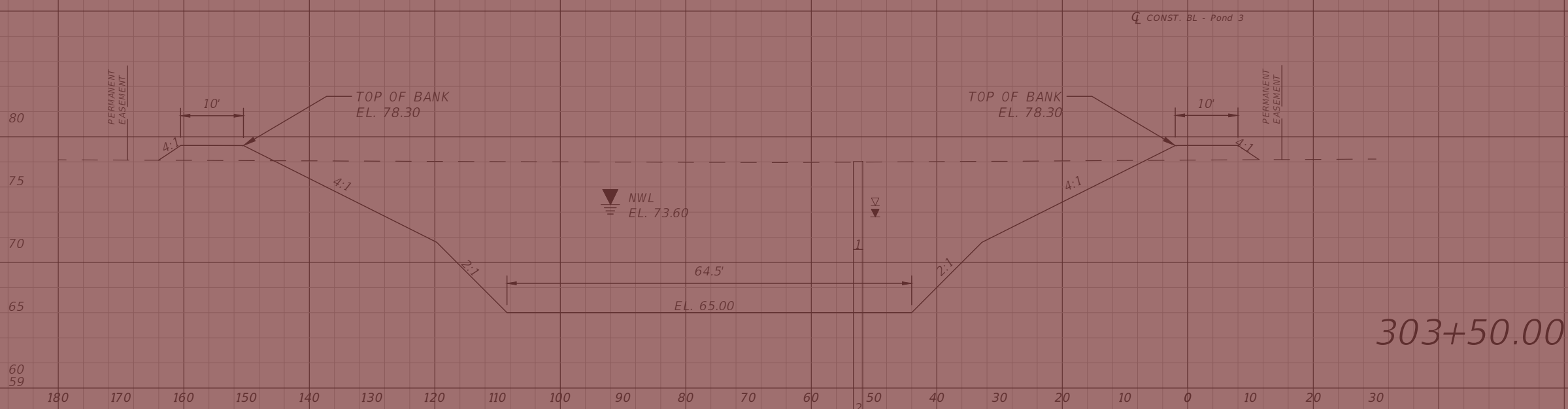
POND CROSS SECTIONS SHEET 1

SHEET NO.  
 95



PB-12  
304+48.04 -205.74

304+50.00




PB-11  
303+36.31 -52.54

303+50.00

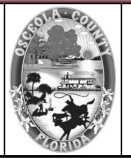
**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



Engineers | Scientists  
Planners | Designers  
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Orlando, FL 32801 (407)839-4006  
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PE # 50682

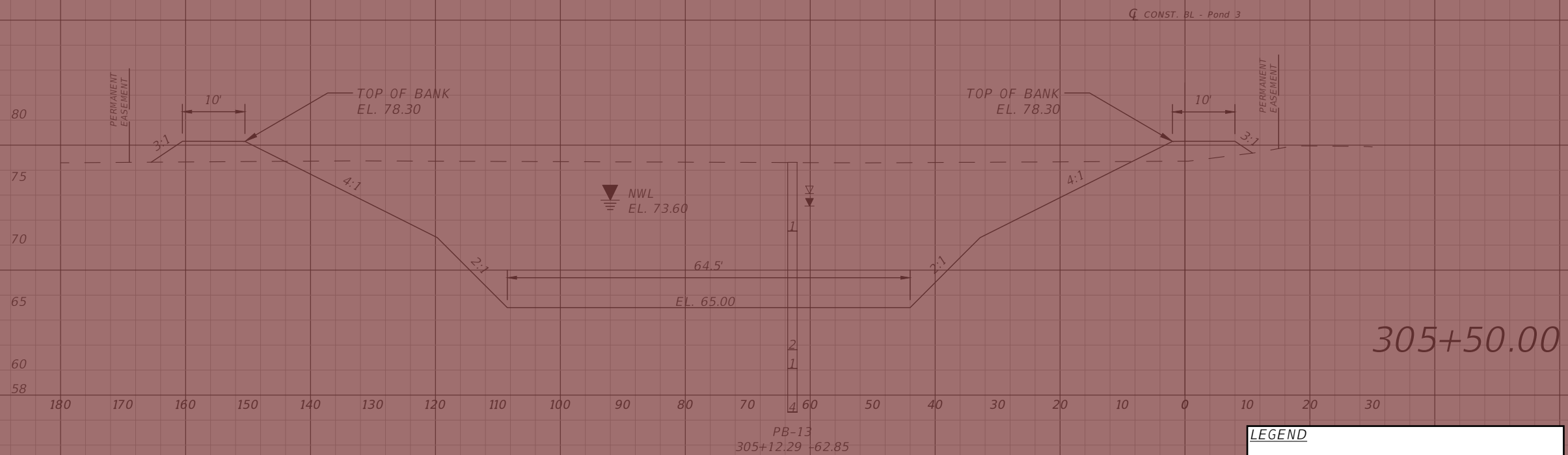
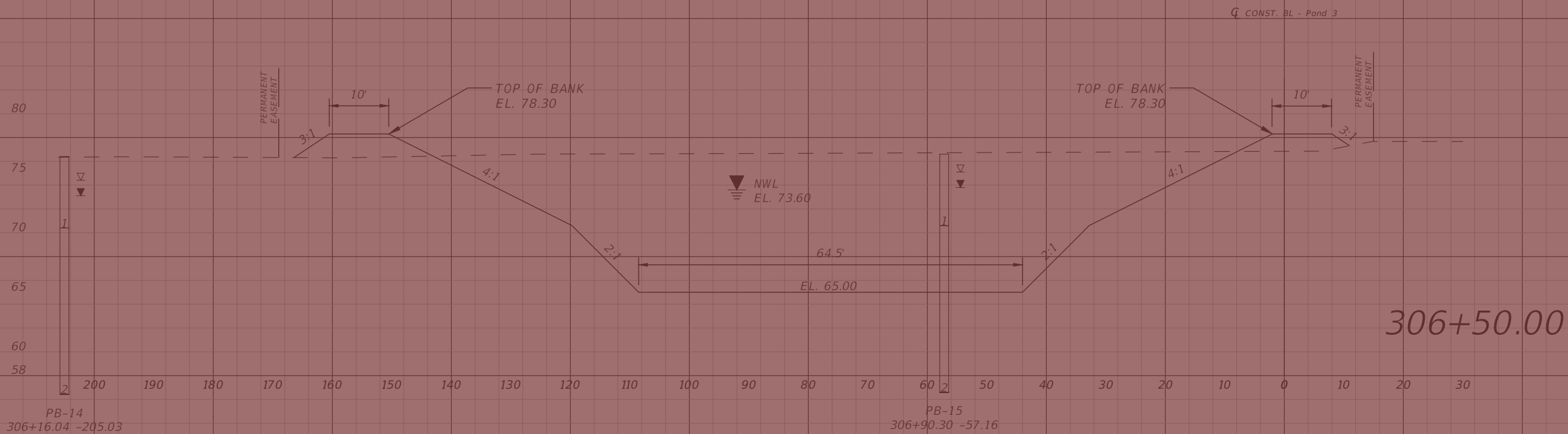


OSCEOLA COUNTY  
FLORIDA

POND CROSS SECTIONS SHEET 2

SHEET NO.  
96

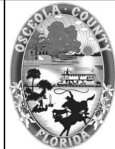
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**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS  
 1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**vhb**  
 Engineers | Scientists  
 Planners | Designers  
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 Paul W. Yeargain, P.E.  
 PE # 50682

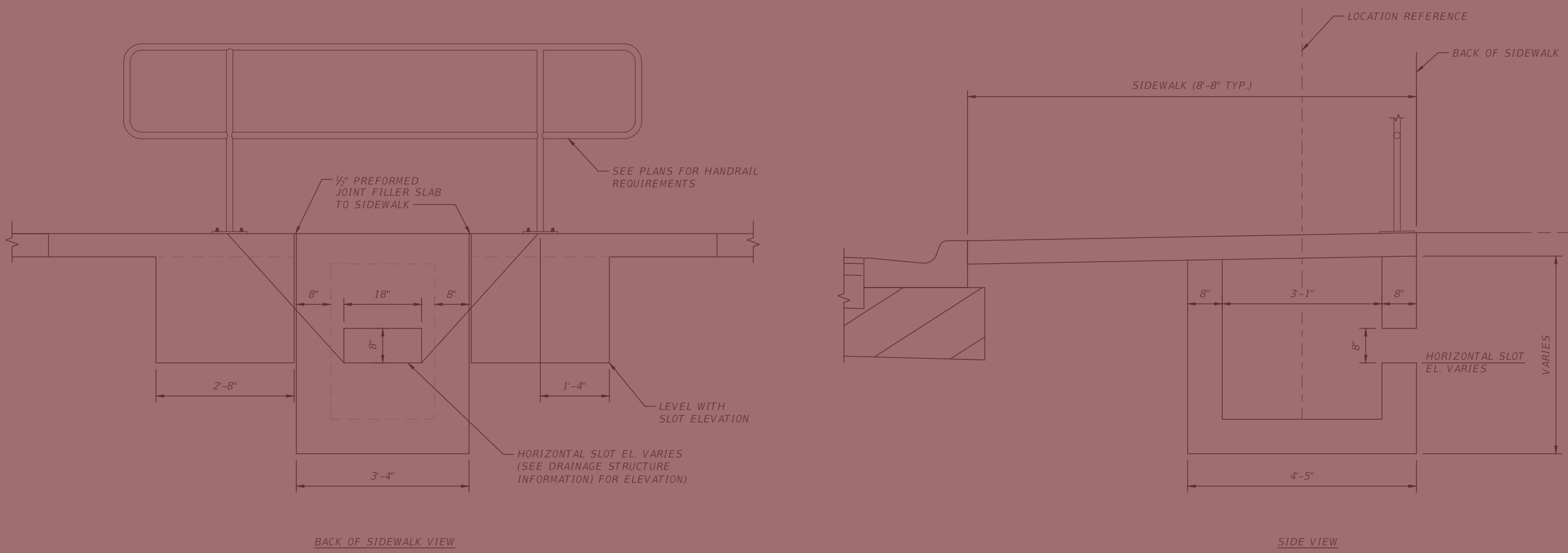


OSCEOLA COUNTY  
 FLORIDA

POND CROSS SECTIONS SHEET 3

SHEET NO.  
 97

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DRAINAGE STRUCTURE INLET TYPE C (MODIFIED)  
WITH HORIZONTAL SLOT  
 N.T.S.

**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineers | Scientists  
 Planners | Designers  
 225 E. Robinson Street, Suite 300  
 Orlando, FL 32801 (407)839-4006  
 Certificate of Authorization # 3932  
 Paul W. Yeagain, P.E.  
 PE # 50682



**OSCEOLA COUNTY  
 FLORIDA**

**DRAINAGE DETAIL SHEET**

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.

DATE OF SURVEY: JANUARY AND FEBRUARY 2020  
 SURVEY MADE BY: GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.  
 SUBMITTED BY: CHRISTOPHER P. MEYER, P.E.

CITY: KISSIMMEE  
 ROAD NO: CR 530  
 COUNTY: OSCEOLA

CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS AND POND  
 FORTUNE ROAD AND SIMPSON ROAD INTERSECTION IMPROVEMENT PROJECT

STATIONS REFERENCE BASELINE OF CONSTRUCTION


FORTUNE ROAD APPROXIMATE BEGIN STA.: 114+24 APPROXIMATE END STA.: 132+33  
 SIMPSON ROAD APPROXIMATE BEGIN STA.: 202+00 (64+38) APPROXIMATE END STA.: 234+66 (97+04)

STRATUM NO.	ORGANIC CONTENT		MOISTURE CONTENT		NO. OF TESTS	SIEVE ANALYSIS RESULTS PERCENT PASS (%)					ATTERBERG LIMITS (%)			DESCRIPTION	CORROSION TEST RESULTS					
	NO. OF TESTS	% ORGANIC	NO. OF TESTS	MOISTURE CONTENT		10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX		AASHTO GROUP	NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDE ppm	SULFATES ppm	pH
1	0	-	0	-	14	97-100	91-99	54-97	22-76	4-10	0	-	-	A-3	LIGHT BROWN TO BROWN TO GRAY TO ORANGE FINE SAND TO FINE SAND WITH SILT, OCCASIONAL TRACE LIMEROCK AND SHELL	5	4,400-31,000	<15-30	<6-66	6.7-7.3
2	0	-	0	-	8	83-100	77-99	67-94	43-70	11-17	0	-	-	A-2-4	LIGHT BROWN TO BROWN TO GRAY TO ORANGE FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL TRACE ROOTS AND TRACE TO SOME LIMEROCK	1	43,000	30	<6	7.1
3	0	-	0	-	2	84-100	66-99	59-97	47-75	22	0	-	-	A-2-4	LIGHT BROWN TO BROWN TO GRAY SILTY FINE SAND, OCCASIONAL SOME LIMEROCK AND SHELL	1	6,500	<15	<6	5.2
4	0	-	1	2	1	100	99	91	56	23	1	29	13	A-2-6, A-6	GRAY CLAYEY FINE SAND TO SANDY CLAY	0	-	-	-	-

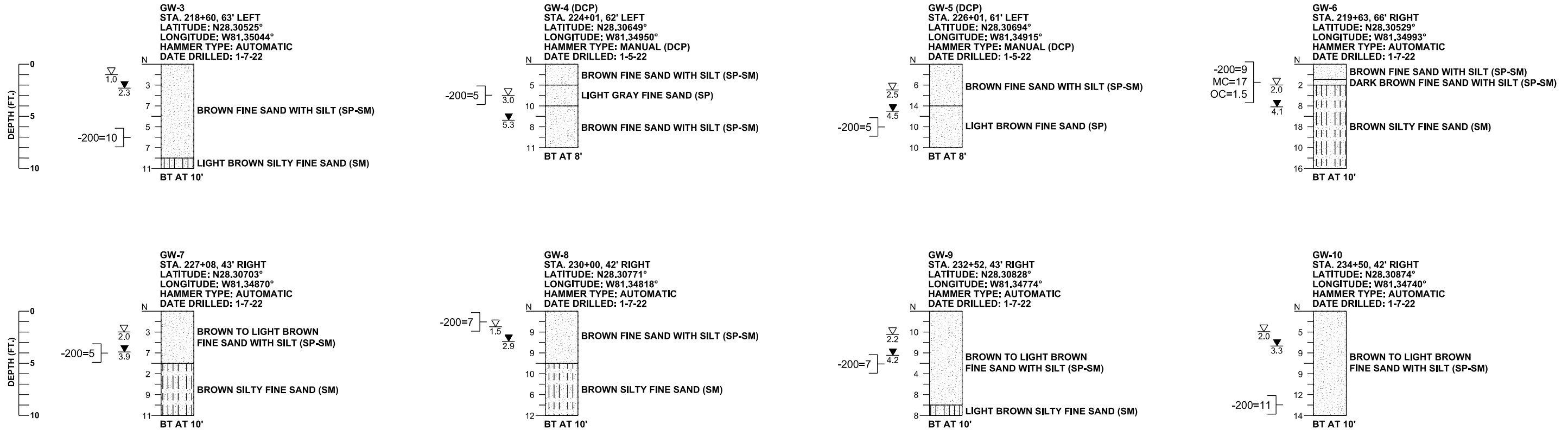
NOTES

- STRATA 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 DETAILED IN SECTION 2-4 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. FOR FURTHER DETAILS SEE SECTION 120-3 OF THE FDOT DESIGN SPECIFICATIONS.
- GROUNDWATER LEVEL SHOWN AS ▼ WHERE ENCOUNTERED AT TIME OF SURVEY. ESTIMATED SEASONAL HIGH GROUNDWATER LEVEL SHOWN AS ▽.
- REMOVAL OF MUCK AND PLASTIC MATERIAL OCCURRING WITHIN ROADWAY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE FDOT STANDARD PLANS INDEX 120-002 UNLESS OTHERWISE SHOWN ON PLANS. THE MATERIAL USED IN EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION INDEX 120-001.
- SOIL ANALYSIS INCLUDES DATA FROM ROADWAY AND POND BORINGS.
- THE SYMBOL "-" REPRESENTS AN UNMEASURED PARAMETER.
- STRATA 1, 2 AND 3 SHALL BE TREATED AS SELECT (S) MATERIAL, IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-001.
- STRATUM 4 SHALL BE TREATED AS PLASTIC (P) MATERIAL, IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-001.
- STRATA 2 AND 3 MAY RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT. IT SHOULD BE USED IN THE EMBANKMENT ABOVE THE WATER LEVEL EXISTING AT THE TIME OF CONSTRUCTION IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-001.

FIGURE 3

REVISIONS				CHRISTOPHER P. MEYER, P.E. P.E. LICENSE NUMBER 49328 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 2510 MICHIGAN AVENUE, SUITE D KISSIMMEE, FL 34744-1933		Drawn By:	OSCEOLA COUNTY FLORIDA		SHEET TITLE:	REF. DWG. NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			SKR	COUNTY	FINANCIAL PROJECT ID	ROADWAY SOIL SURVEY	
						Checked By: GPB				
						Designed By: GPB	OSCEOLA	443548-1-38-01	PROJECT NAME: FORTUNE ROAD AND SIMPSON ROAD INTERSECTION IMPROVEMENT PROJECT	SHEET NO. 99
						Checked By: CPM				





**LEGEND**

- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- HA HAND AUGERED FOR UTILITY CLEARANCE
- ▽ 1.0 ESTIMATED SEASONAL HIGH GROUNDWATER DEPTH (FT.)
- ▽ 2.0 ENCOUNTERED GROUNDWATER DEPTH (FT.) 24 HRS. AFTER DATE DRILLED
- BT BORING TERMINATED AT DEPTH INDICATED
- 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
- MC= PERCENT NATURAL MOISTURE CONTENT
- OC= PERCENT ORGANIC CONTENT
- SAND
- SAND AND SILT

**GENERAL NOTES**

SUBSURFACE CONDITIONS SHOWN ON THE BORINGS REPRESENT THE CONDITIONS ENCOUNTERED AT THE BORING LOCATIONS. ACTUAL CONDITIONS BETWEEN THE BORINGS MAY VARY FROM THOSE SHOWN. UNIFIED SOIL CLASSIFICATIONS SHOWN ON THE BORINGS ARE BASED ON VISUAL EXAMINATION AND THE LABORATORY TESTING SHOWN.

STANDARD PENETRATION TEST BORINGS WERE PERFORMED IN ACCORDANCE WITH ASTM D-1586. STANDARD PENETRATION RESISTANCES ARE SHOWN ON THE BORINGS AT THE TEST DEPTHS IN IN BLOWS PER FOOT UNLESS OTHERWISE NOTED.

THE DYNAMIC CONE PENETROMETER (DCP) TEST BORINGS WERE PERFORMED IN GENERAL ACCORDANCE WITH "DYNAMIC CONE FOR SHALLOW IN-SITU PENETRATION TESTING, VANE SHEAR AND CONE PENETRATION TESTING OF IN-SITU SOILS", ASTM STP 377, 1966.

THE "N" VALUES SHOWN FOR THE DCP TEST BORINGS REPRESENT APPROXIMATE STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT CORRELATED FROM MEASURED DCP RESISTANCE, BLOWS PER 1.75 INCHES OF 1.75 INCHES OF PENETRATION. THE CORRELATION OF DCP TO SPT "N" VALUES IS BASED ON THE CALIBRATION CURVE FOR COASTAL PLAINS SOILS, ASTM SPT 399, 1966.

BORING LOCATIONS WERE NOT SURVEYED. BORING LOCATIONS WERE ESTABLISHED IN THE FIELD USING A SUB-METER ACCURACY GPS UNIT AND PROJECT PLANS PROVIDED BY VHB.

ACCORDING TO THE SEPTEMBER 2017 FDEP POTENTIOMETRIC CONDITIONS MAP, "UPPER FLORIDAN POTENTIOMETRIC SURFACE", THE POTENTIOMETRIC SURFACE OF THE AQUIFER IN THE VICINITY OF THE SUBJECT INTERSECTION IS APPROXIMATELY +48 FEET NGVD. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN HEAD LEVELS UP TO +48 FEET NGVD. BASED ON REVIEW OF THE U.S.G.S. QUADRANGLE MAP, EXISTING GROUND SURFACE ELEVATIONS ARE ABOUT +80 FEET NGVD AND ARTESIAN CONDITIONS ARE NOT ANTICIPATED.

SPLIT SPOON SAMPLER:  
 INSIDE DIAMETER: 1.375 IN.  
 OUTSIDE DIAMETER: 2.0 IN.  
 AVERAGE HAMMER DROP: 30 IN.  
 HAMMER WEIGHT: 140 LBS.

ENVIRONMENTAL CLASSIFICATION (BASED ON RECENT RESULTS):  
 SUPERSTRUCTURE: N/A  
 SUBSTRUCTURE:  
 STEEL: SLIGHTLY AGGRESSIVE  
 CONCRETE: SLIGHTLY AGGRESSIVE

GRANULAR SOILS: SANDS		NON-GRANULAR SOILS: SILTS, CLAYS, MUCK	
N VALUE (BLOWS/FT)	RELATIVE DENSITY	N VALUE (BLOWS/FT)	CONSISTENCY
AUTOMATIC HAMMER			
0-3	VERY LOOSE	0-1	VERY SOFT
3-8	LOOSE	1-3	SOFT
8-24	MEDIUM DENSE	3-6	FIRM
24-40	DENSE	6-12	STIFF
OVER 40	VERY DENSE	12-24	VERY STIFF
		OVER 24	HARD
MANUAL HAMMER			
0-4	VERY LOOSE	0-2	VERY SOFT
4-10	LOOSE	2-4	SOFT
10-30	MEDIUM DENSE	4-8	FIRM
30-50	DENSE	8-15	STIFF
OVER 50	VERY DENSE	15-30	VERY STIFF
		OVER 30	HARD

SECTIONS: 18, 19  
 TOWNSHIP: 25 SOUTH  
 RANGE: 30 EAST

**FIGURE 4**

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRISTOPHER P. MEYER, P.E.  
 P.E. LICENSE NUMBER 49328  
 GEOTECHNICAL AND ENVIRONMENTAL  
 CONSULTANTS, INC.  
 2510 MICHIGAN AVENUE, SUITE D  
 KISSIMMEE, FL 34744-1933

OSCEOLA COUNTY  
 FLORIDA

*SPT BORING RESULTS  
 FOR GRAVITY WALLS*

SHEET  
 NO.  
 100

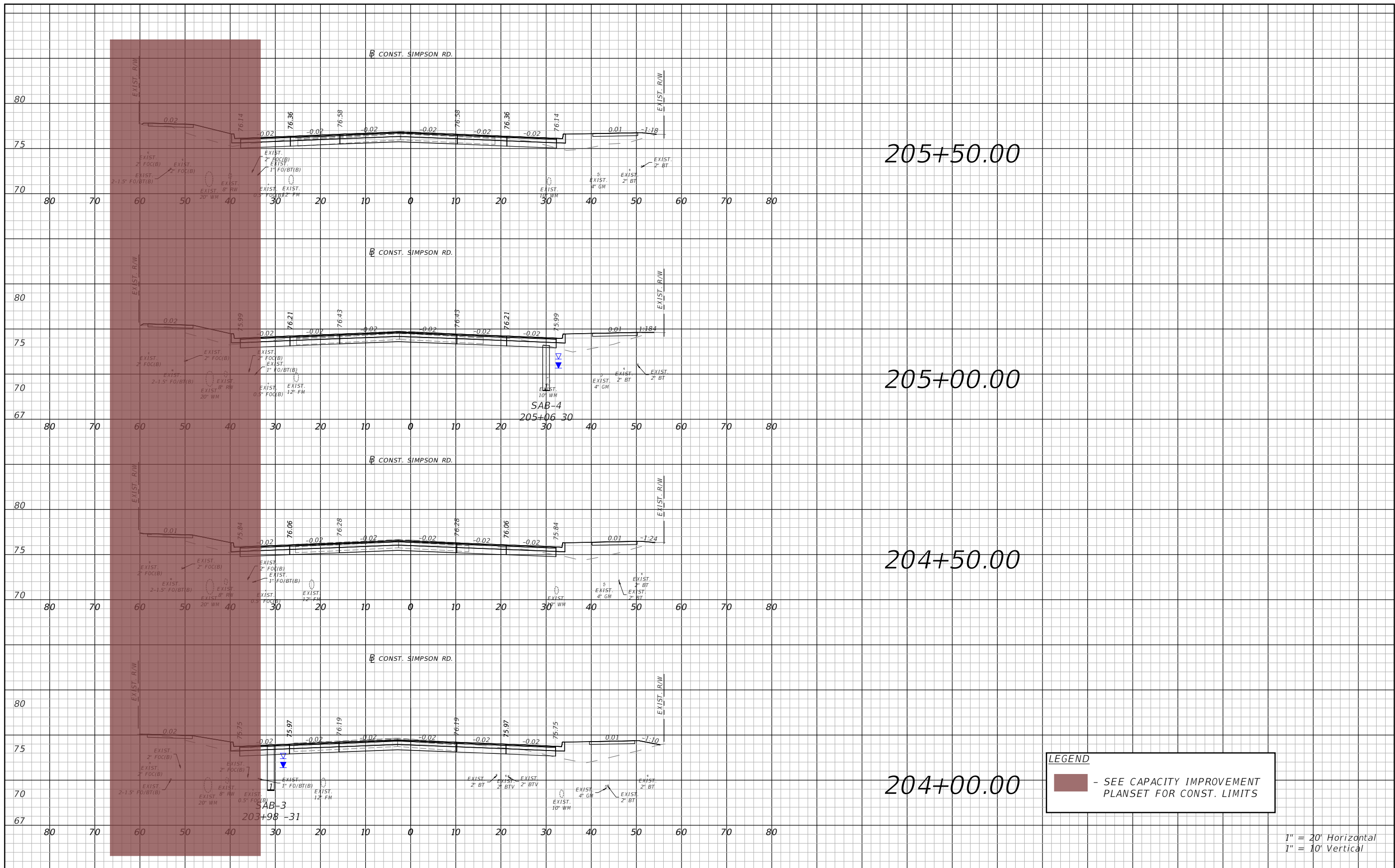
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Volume Table														
Station	Total					Safety Improvements					Capacity Improvements			
	Cut Area	Cul Vol	Fill Area	Fill Vol		Cut Area	Cul Vol	Fill Area	Fill Vol		Cut Area	Cul Vol	Fill Area	Fill Vol
204+00	72.68	0.00	40.19	0.00		60.51	0.00	32.09	0.00		12.17	0.00	8.10	0.00
204+50	72.24	134.18	33.42	68.15		62.16	113.58	23.13	51.14		10.08	20.60	10.29	17.01
205+00	67.41	129.30	34.40	62.79		59.83	112.96	21.64	41.46		7.58	16.34	12.76	21.33
205+50	64.53	122.16	36.22	65.38		58.08	109.18	21.88	40.30		6.45	12.98	14.34	25.08
206+00	61.65	116.83	34.50	65.48		56.57	106.16	19.89	38.68		5.08	10.67	14.61	26.80
206+50	56.01	108.95	25.56	55.62		47.48	96.34	18.19	35.26		8.53	12.61	7.37	20.36
207+00	78.68	124.71	17.29	39.68		52.52	92.59	17.29	32.85		26.16	32.12	0.00	6.83
207+50	57.40	126.00	66.56	77.64		45.48	90.74	65.41	76.57		11.92	35.26	1.15	1.07
208+00	84.76	131.63	9.29	70.23		68.31	105.36	8.65	68.57		16.45	26.27	0.64	1.66
208+50	121.84	191.30	51.50	56.29		121.73	175.96	51.48	55.67		0.11	15.34	0.02	0.62
209+00	58.91	167.36	60.61	103.81		55.45	164.05	60.61	103.78		3.46	3.31	0.00	0.03
209+50	47.44	98.47	58.88	110.64		47.44	95.26	58.88	110.64		0.00	3.21	0.00	0.00
210+00	73.34	111.84	30.04	82.34		73.34	111.84	30.04	82.34		0.00	0.00	0.00	0.00
210+50	82.64	144.43	29.53	55.16		82.64	144.43	29.53	55.16		0.00	0.00	0.00	0.00
211+00	99.08	168.26	2.05	29.24		99.08	168.26	2.05	29.24		0.00	0.00	0.00	0.00
211+50	143.75	224.85	0.06	1.95		143.75	224.85	0.06	1.95		0.00	0.00	0.00	0.00
212+00	151.87	273.73	2.66	2.52		151.87	273.73	2.66	2.52		0.00	0.00	0.00	0.00
212+50	121.75	253.36	29.41	29.69		121.30	252.94	29.41	29.69		0.45	0.42	0.00	0.00
213+00	72.34	179.71	52.47	75.81		72.34	179.29	52.47	75.81		0.00	0.42	0.00	0.00
213+50	80.36	141.39	43.43	88.80		80.26	141.30	43.43	88.80		0.10	0.09	0.00	0.00
214+00	95.93	163.23	34.15	71.83		95.19	162.46	34.15	71.83		0.74	0.77	0.00	0.00
214+50	167.50	243.91	5.07	36.32		167.50	243.23	5.07	36.32		0.00	0.68	0.00	0.00
215+00	163.69	306.65	4.57	8.93		163.69	306.65	4.57	8.93		0.00	0.00	0.00	0.00
215+50	118.34	261.14	79.74	78.07		118.34	261.14	79.74	78.07		0.00	0.00	0.00	0.00
216+00	82.09	185.59	63.61	132.73		82.09	185.59	63.61	132.73		0.00	0.00	0.00	0.00
216+50	37.66	110.88	38.68	94.72		37.65	110.87	38.65	94.69		0.01	0.01	0.03	0.03
217+00	57.68	88.28	75.76	105.96		57.56	88.16	75.76	105.93		0.12	0.12	0.00	0.03
217+50	58.78	107.83	75.03	139.62		50.51	100.07	64.73	130.08		8.27	7.76	10.30	9.54
218+00	70.80	119.98	69.54	133.87		59.57	101.93	61.75	117.12		11.23	18.05	7.79	16.75
218+50	102.53	160.49	44.55	105.64		67.01	117.21	4.94	61.75		35.52	43.28	39.61	43.89
219+00	90.97	179.17	52.14	89.53		69.73	126.61	9.52	13.38		21.24	52.56	42.62	76.15
219+50	82.83	160.93	48.79	93.46		62.33	122.27	10.58	18.61		20.50	38.66	38.21	74.85

Volume Table														
Station	Total					Safety Improvements					Capacity Improvements			
	Cut Area	Cul Vol	Fill Area	Fill Vol		Cut Area	Cul Vol	Fill Area	Fill Vol		Cut Area	Cul Vol	Fill Area	Fill Vol
220+00	73.40	144.66	47.85	89.48		55.32	108.93	11.57	20.51		18.08	35.73	36.28	68.97
220+50	79.36	141.45	46.18	87.06		50.26	97.75	11.28	21.16		29.10	43.70	34.90	65.90
221+00	61.66	130.57	3.98	46.44		42.34	85.74	0.88	11.26		19.32	44.83	3.10	35.18
221+50	79.10	130.33	3.96	7.35		38.98	75.30	3.94	4.46		40.12	55.03	0.02	2.89
222+00	85.37	152.29	8.03	11.09		43.20	76.10	7.30	10.41		42.17	76.19	0.73	0.68
222+50	100.80	172.38	16.64	22.84		53.65	89.68	3.91	10.38		47.15	82.70	12.73	12.46
223+00	96.58	182.76	14.99	29.29		55.58	101.14	6.04	9.21		41.00	81.62	8.95	20.08
223+50	122.37	202.74	9.48	22.66		75.31	121.19	1.68	7.15		47.06	81.55	7.80	15.51
224+00	106.54	211.96	15.66	23.27		60.15	125.42	4.89	6.08		46.39	86.54	10.77	17.19
224+50	96.15	187.68	22.81	35.62		57.69	109.11	5.45	9.57		38.46	78.57	17.36	26.05
225+00	83.41	166.26	28.26	47.29		52.85	102.36	5.82	10.44		30.56	63.90	22.44	36.85
225+50	71.10	143.06	31.26	55.11		46.63	92.12	6.78	11.67		24.47	50.94	24.48	43.44
226+00	73.76	134.13	27.21	54.14		50.88	90.29	4.82	10.74		22.88	43.84	22.39	43.40
226+50	86.52	148.41	21.15	44.78		62.87	105.32	2.68	6.94		23.65	43.09	18.47	37.84
227+00	81.19	155.29	18.35	36.57		57.29	111.26	2.36	4.66		23.90	44.03	15.99	31.91
227+50	92.04	160.40	15.43	31.27		67.93	115.95	0.00	2.19		24.11	44.45	15.43	29.08
228+00	77.93	157.38	20.57	33.33		57.47	116.11	1.37	1.27		20.46	41.27	19.20	32.06
228+50	70.76	137.67	25.06	42.25		53.85	103.07	3.65	4.65		16.91	34.60	21.41	37.60
229+00	61.87	122.80	31.05	51.95		47.22	93.59	6.23	9.14		14.65	29.21	24.82	42.81
229+50	53.52	106.84	39.14	65.00		40.99	81.68	9.20	14.28		12.53	25.16	29.94	50.72
230+00	45.36	91.55	46.80	79.58		35.60	70.91	11.95	19.58		9.76	20.64	34.85	60.00
230+50	44.78	83.46	48.62	88.35		34.48	64.89	12.23	22.39		10.30	18.57	36.39	65.96
231+00	45.66	83.74	48.74	90.14		33.45	62.89	12.84	23.21		12.21	20.85	35.90	66.93
231+50	60.03	97.86	38.03	80.34		43.90	71.61	9.09	20.31		16.13	26.25	28.94	60.03
232+00	71.97	122.23	31.42	64.31		52.64	89.39	5.59	13.59		19.33	32.84	25.83	50.72
232+50	75.32	136.38	28.37	55.36		56.41	100.97	3.75	8.65		18.91	35.41	24.62	46.71
233+00	70.12	134.67	33.13	56.94		54.39	102.59	5.30	8.38		15.73	32.08	27.83	48.56
233+50	71.94	131.53	28.39	56.96		55.59	101.83	3.17	7.84		16.35	29.70	25.22	49.12
234+00	61.38	123.44	48.38	71.08		48.33	96.22	3.78	6.44		13.05	27.22	44.60	64.64
234+50	52.64	105.57	45.60	87.02		40.49	82.24	4.12	7.32		12.15	23.33	41.48	79.70
235+00	60.81	105.04	39.99	79.25		47.64	81.60	3.58	7.14		13.17	23.44	36.41	72.11

**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

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**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION



Engineers | Scientists  
 Planners | Designers  
 225 E. Robinson Street, Suite 300  
 Orlando, FL 32801 (407)839-4006  
 Certificate of Authorization # 3932  
 Mark F. Bertoncini, P.E.  
 PE # 63437

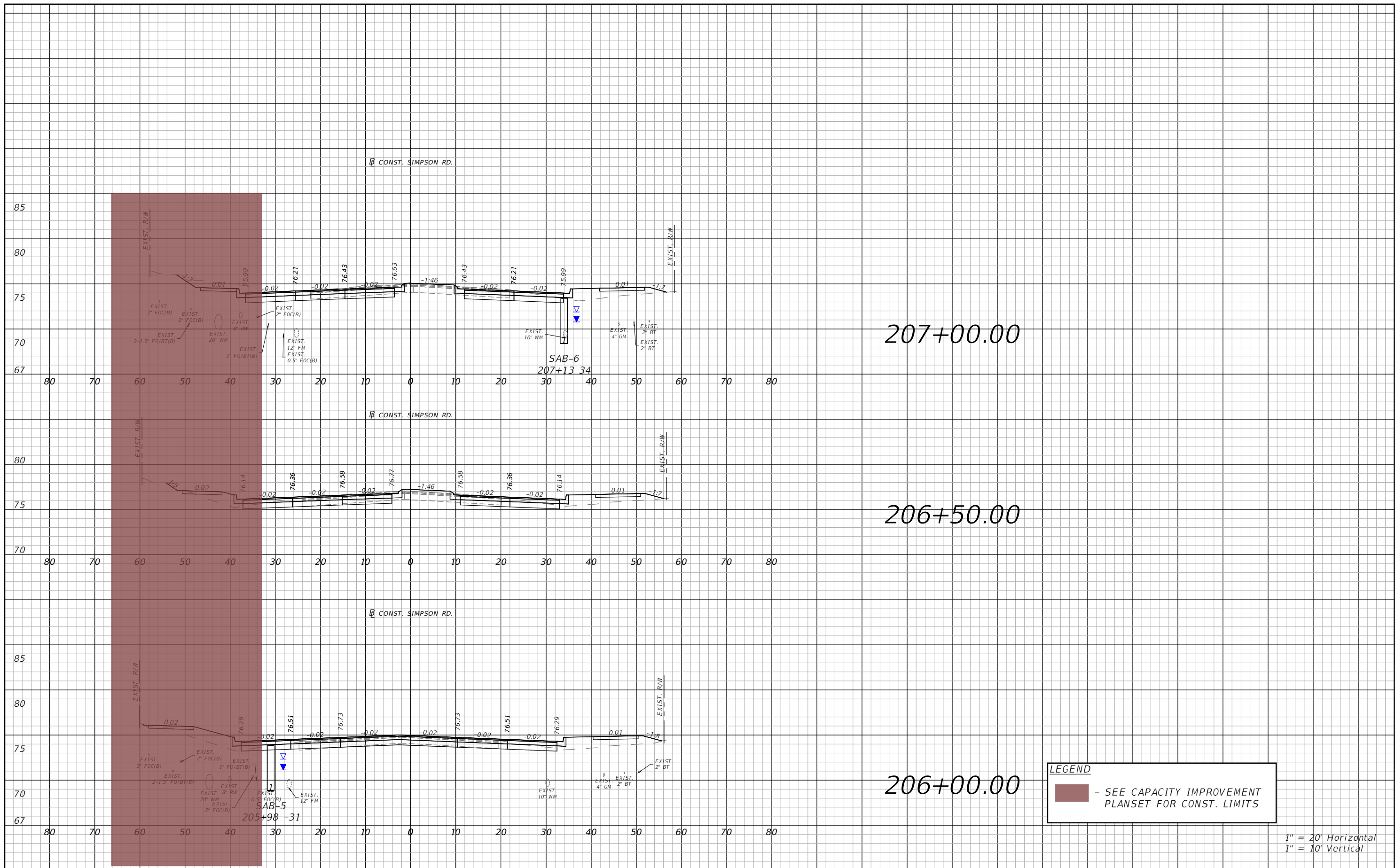



OSCEOLA COUNTY  
 FLORIDA

SIMPSON RD CROSS SECTION  
 SHEET 1

SHEET NO.  
 102

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**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**vhb** Engineers | Scientists  
 Planners | Designers  
 225 E. Robinson Street, Suite 300  
 Orlando, FL 32801 (407)839-4006  
 Certificate of Authorization # 3932  
 Mark F. Bertocini, P.E.  
 PE # 63437

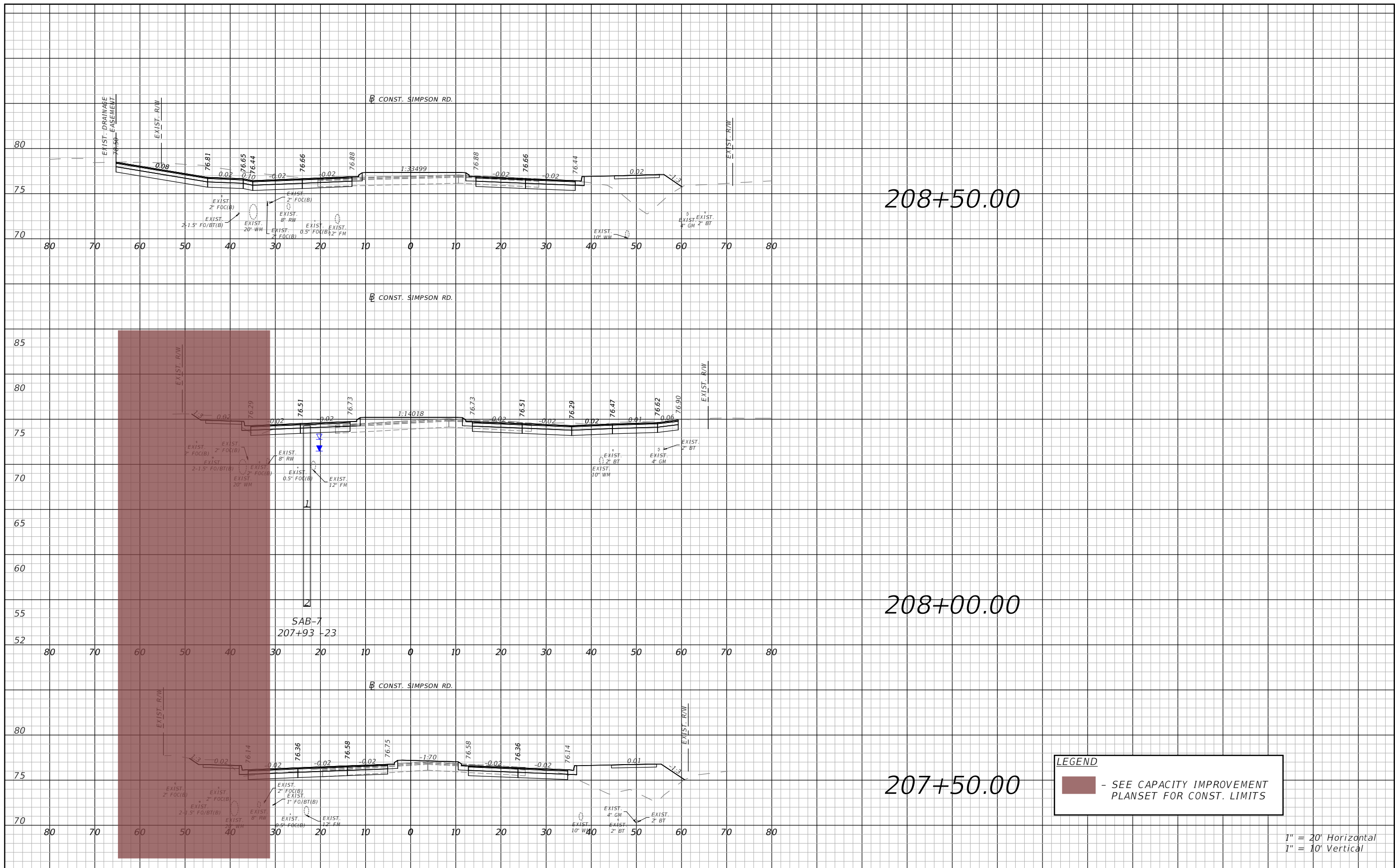



OSCEOLA COUNTY  
 FLORIDA

SIMPSON RD CROSS SECTION  
 SHEET 2

SHEET NO.  
 103

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**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**vhb** Engineers | Scientists  
 Planners | Designers  
 225 E. Robinson Street, Suite 300  
 Orlando, FL 32801 (407)839-4006  
 Certificate of Authorization # 3932  
 Mark F. Bertocini, P.E.  
 PE # 63437



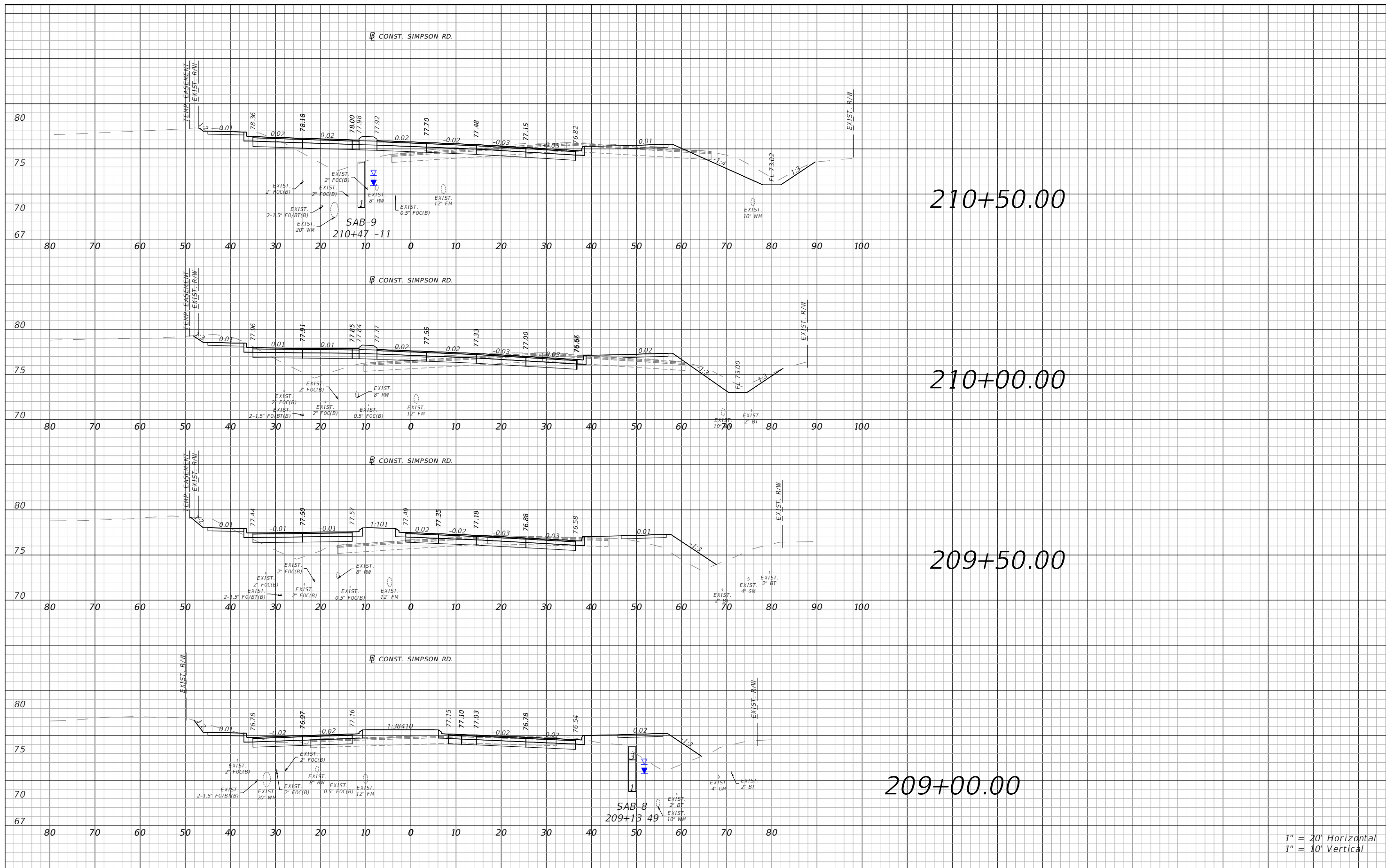
OSCEOLA COUNTY  
 FLORIDA

SIMPSON RD CROSS SECTION  
 SHEET 3

SHEET NO.  
 104

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

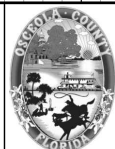




1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**vhb**  
 Engineers | Scientists  
 Planners | Designers  
 225 E. Robinson Street, Suite 300  
 Orlando, FL 32801 (407)839-4006  
 Certificate of Authorization # 3932  
 Mark F. Bertoncini, P.E.  
 PE # 63437

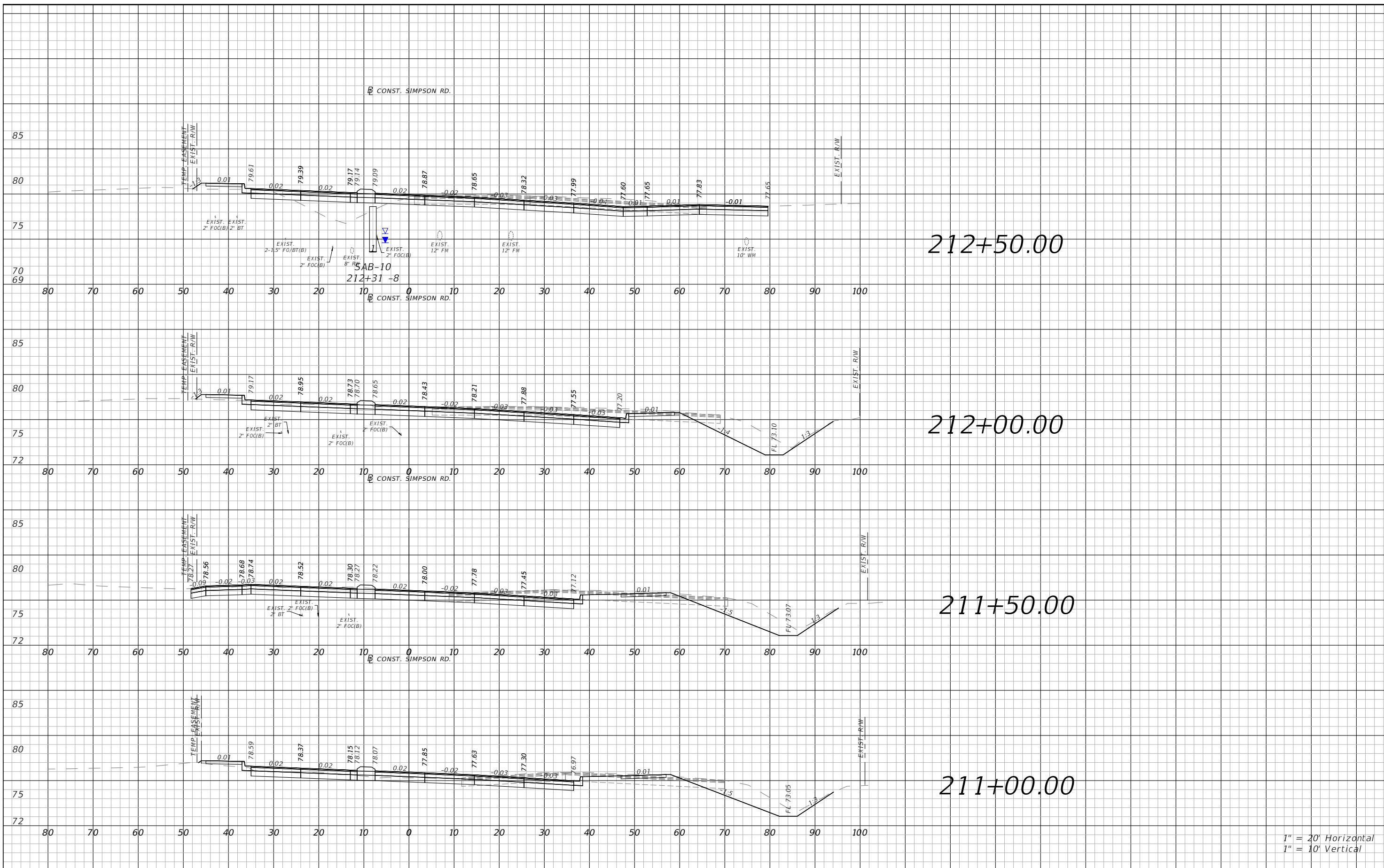


OSCEOLA COUNTY  
FLORIDA

SIMPSON RD CROSS SECTION  
SHEET 4

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.

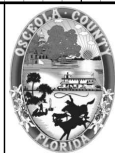


1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



Engineers | Scientists  
Planners | Designers  
225 E. Robinson Street, Suite 300  
Orlando, FL 32801 (407)839-4006  
Certificate of Authorization # 3932  
Mark F. Bertocini, P.E.  
PE # 63437

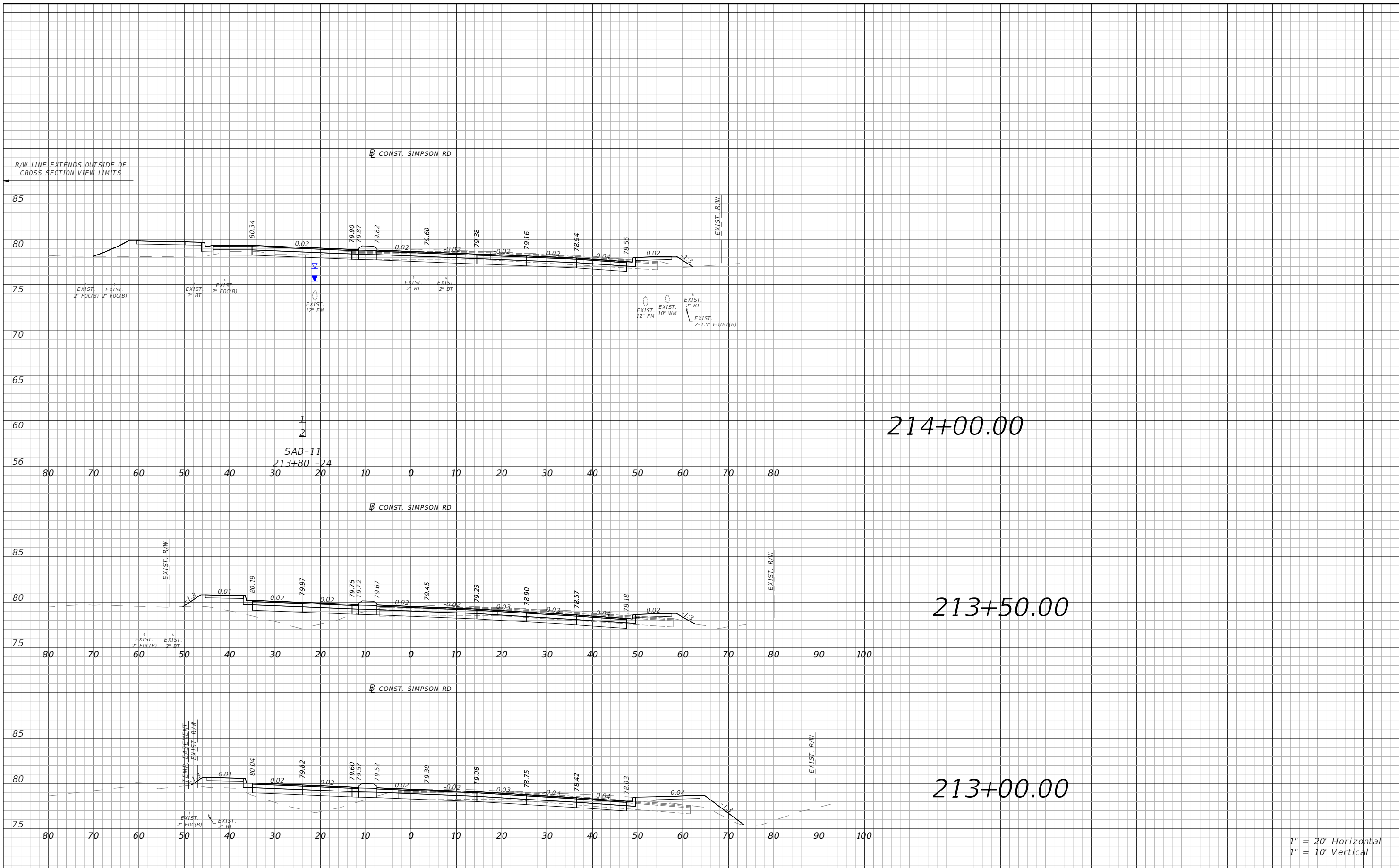


OSCEOLA COUNTY  
FLORIDA

SIMPSON RD CROSS SECTION  
SHEET 5

SHEET NO.  
106

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

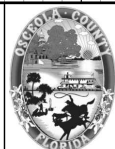


1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



Engineers | Scientists  
Planners | Designers  
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Orlando, FL 32801 (407)839-4006  
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PE # 63437

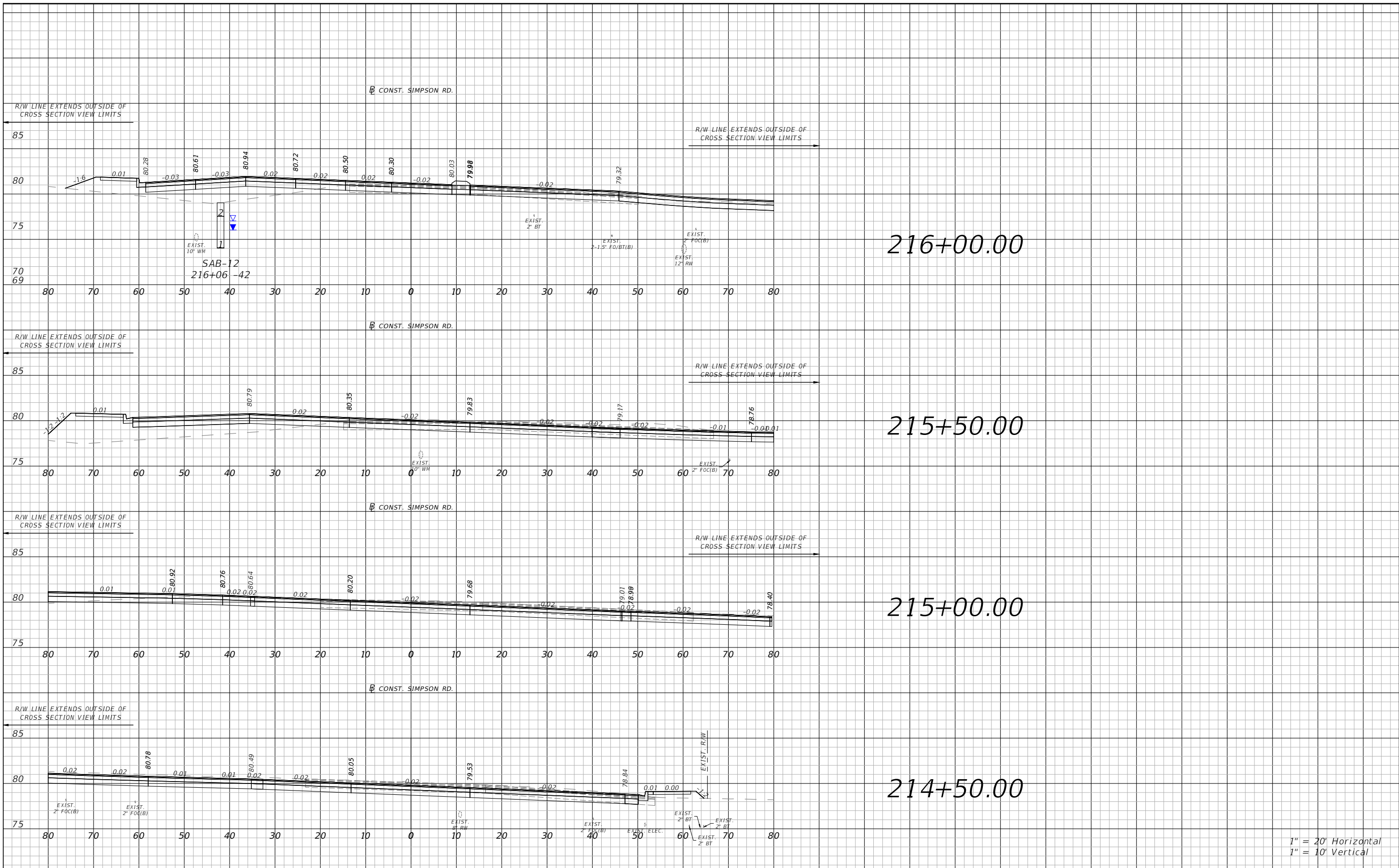


OSCEOLA COUNTY  
FLORIDA

SIMPSON RD CROSS SECTION  
SHEET 6

SHEET NO.  
107

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

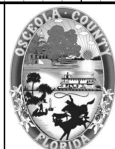


1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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PE # 63437

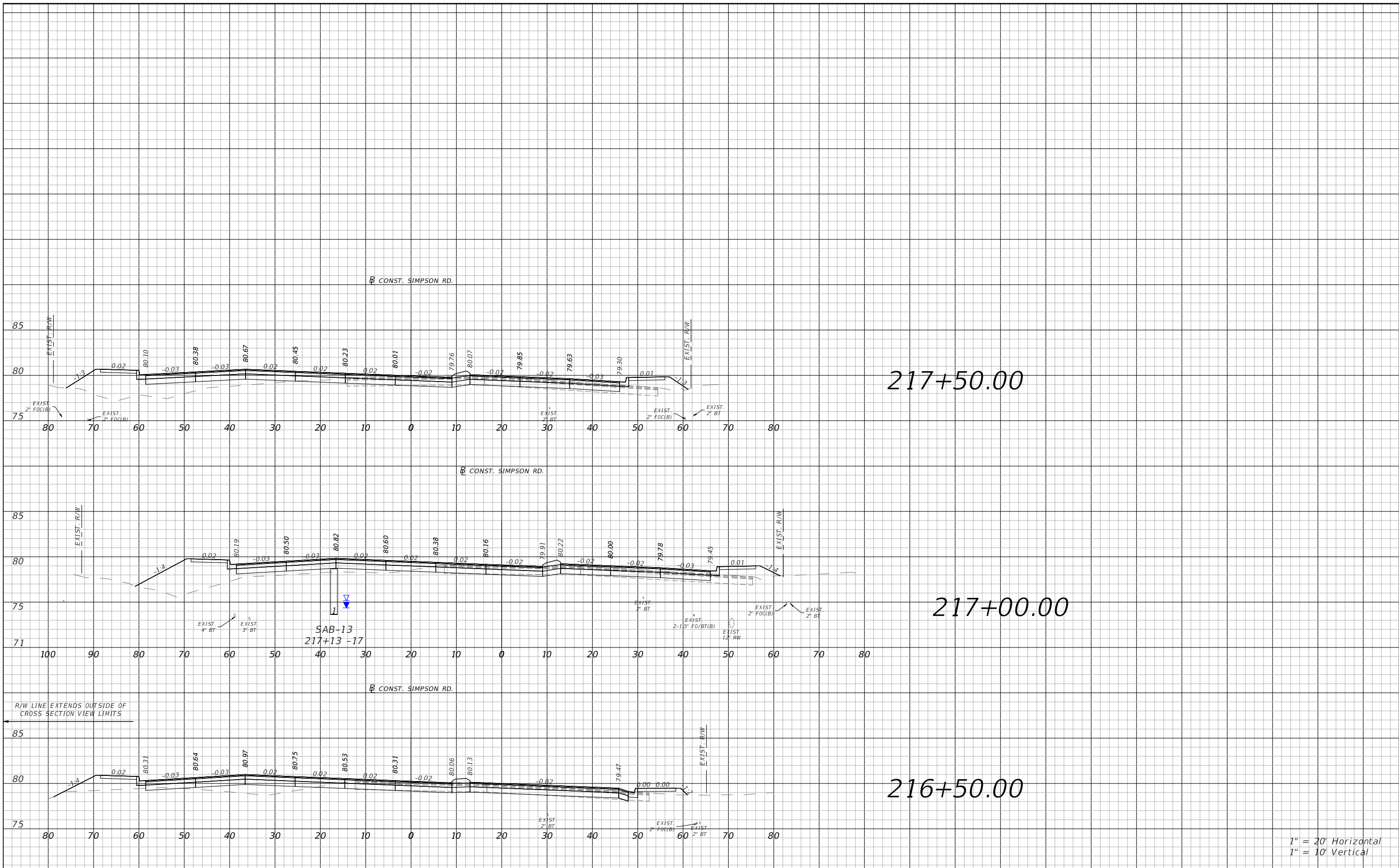


OSCEOLA COUNTY  
FLORIDA

SIMPSON RD CROSS SECTION  
SHEET 7

SHEET NO.  
108

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PE # 63437



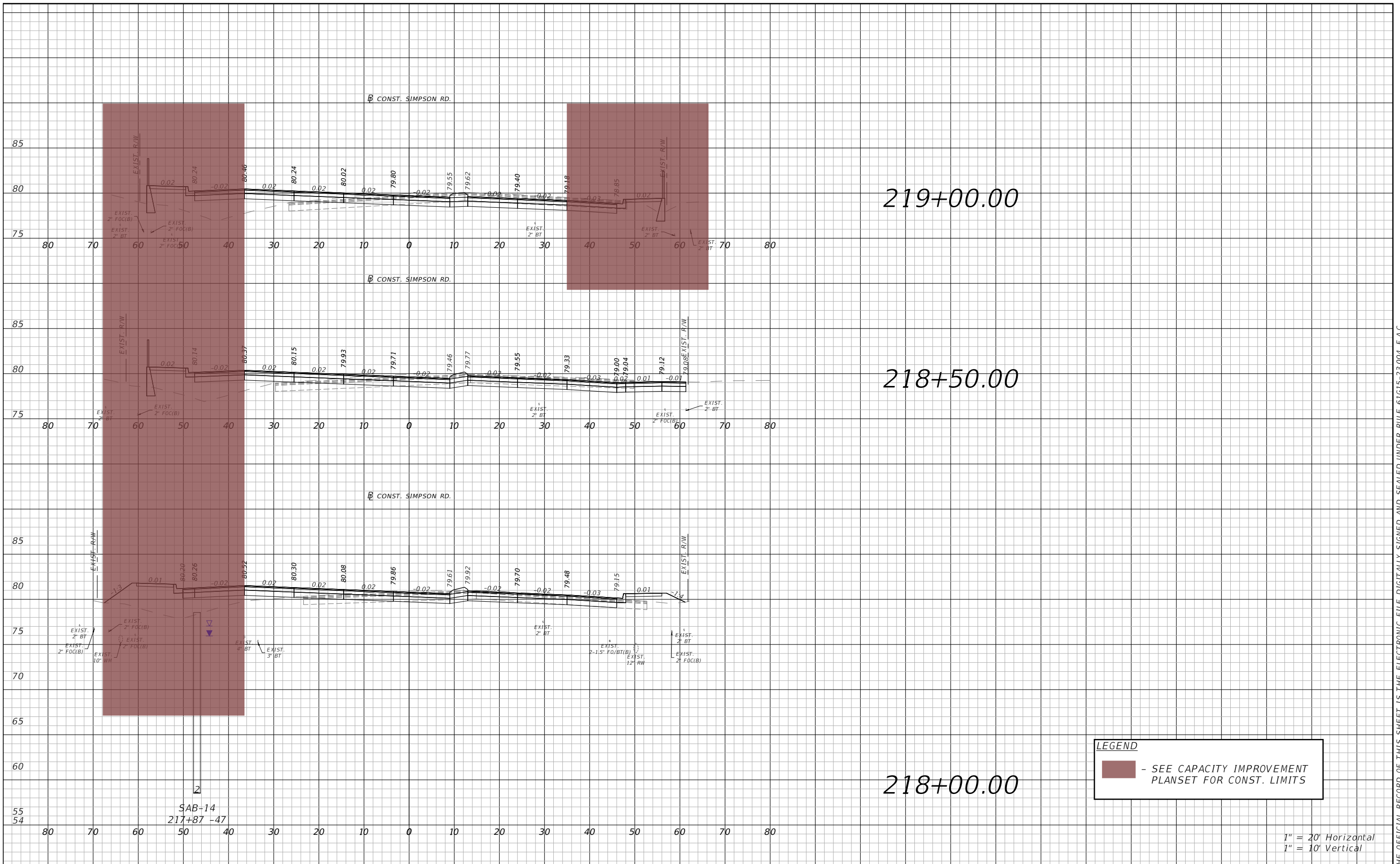
OSCEOLA COUNTY  
FLORIDA


SIMPSON RD CROSS SECTION  
SHEET 8

SHEET NO.  
109

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**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



Engineers | Scientists  
 Planners | Designers  
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 Certificate of Authorization # 3932  
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 PE # 63437

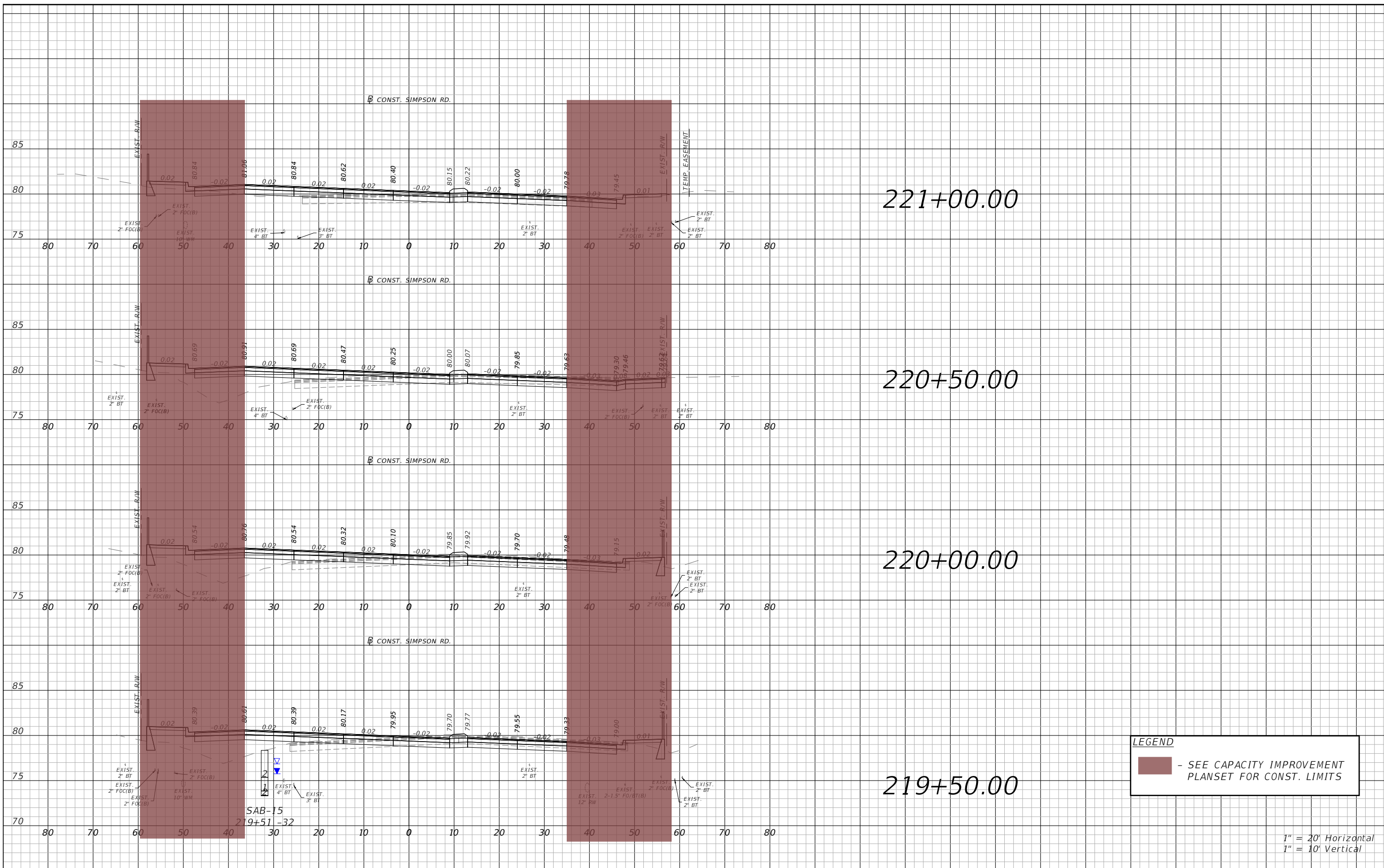


OSCEOLA COUNTY  
 FLORIDA

**SIMPSON RD CROSS SECTION  
 SHEET 9**

SHEET NO.  
 110

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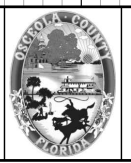


**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**vhb** Engineers | Scientists  
 Planners | Designers  
 225 E. Robinson Street, Suite 300  
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 PE # 63437

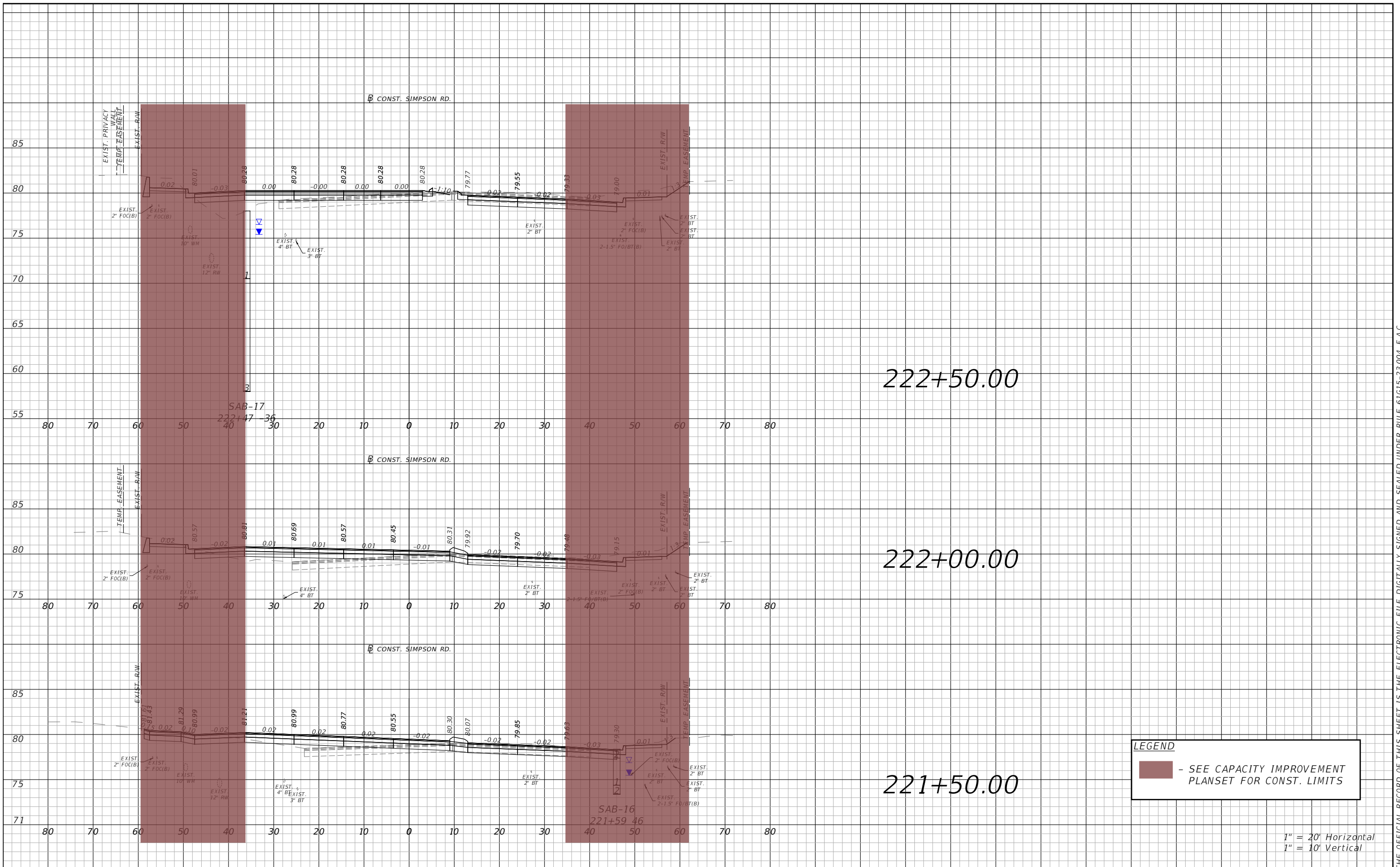



OSCEOLA COUNTY  
 FLORIDA

SIMPSON RD CROSS SECTION  
 SHEET 10

SHEET NO.  
 111

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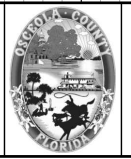
**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



Engineers | Scientists  
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 PE # 63437

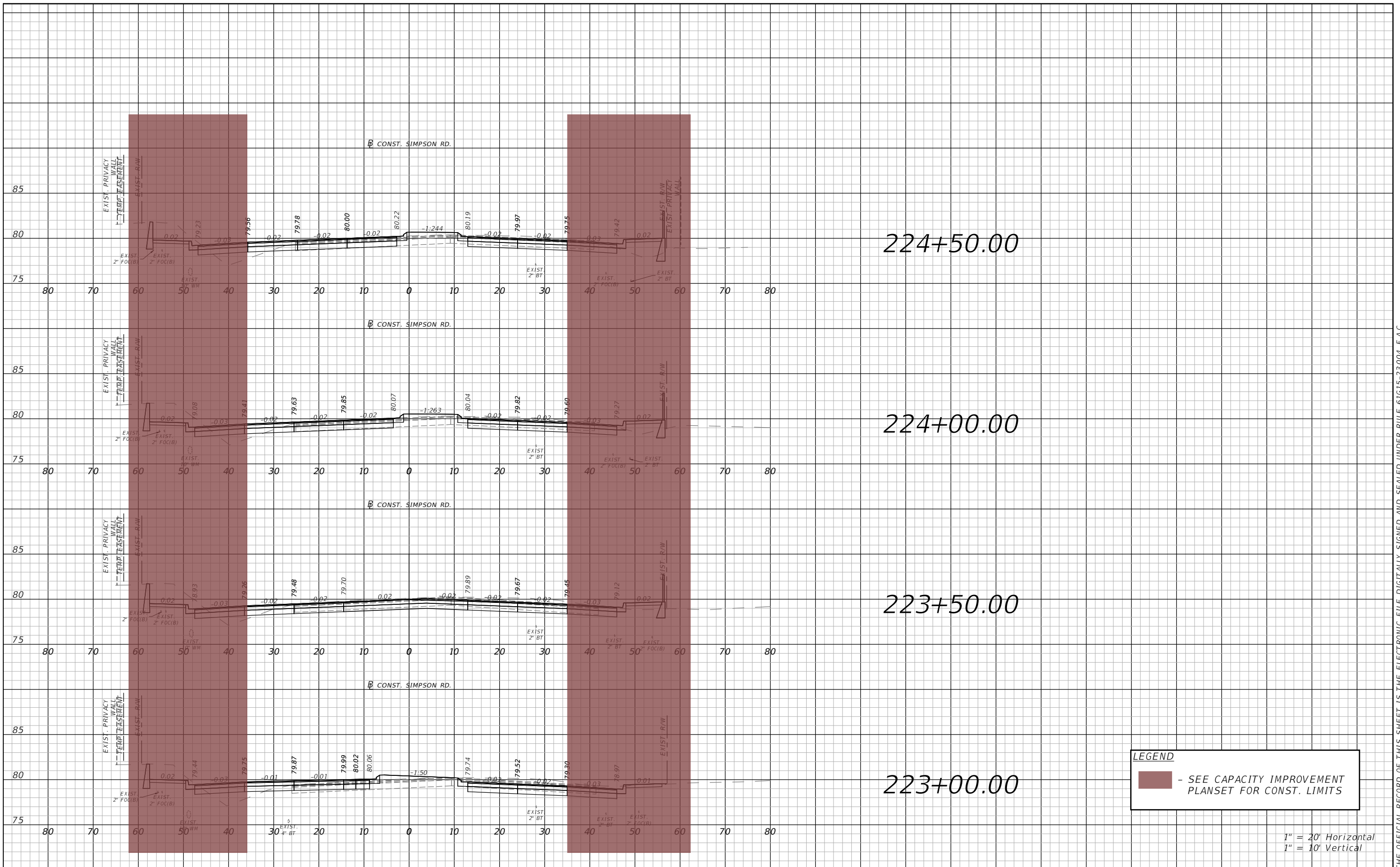



OSCEOLA COUNTY  
 FLORIDA

SIMPSON RD CROSS SECTION  
 SHEET 11

SHEET NO.  
 112

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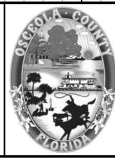


**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 Planners | Designers**  
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 Certificate of Authorization # 3932  
 Mark F. Bertoncini, P.E.  
 PE # 63437

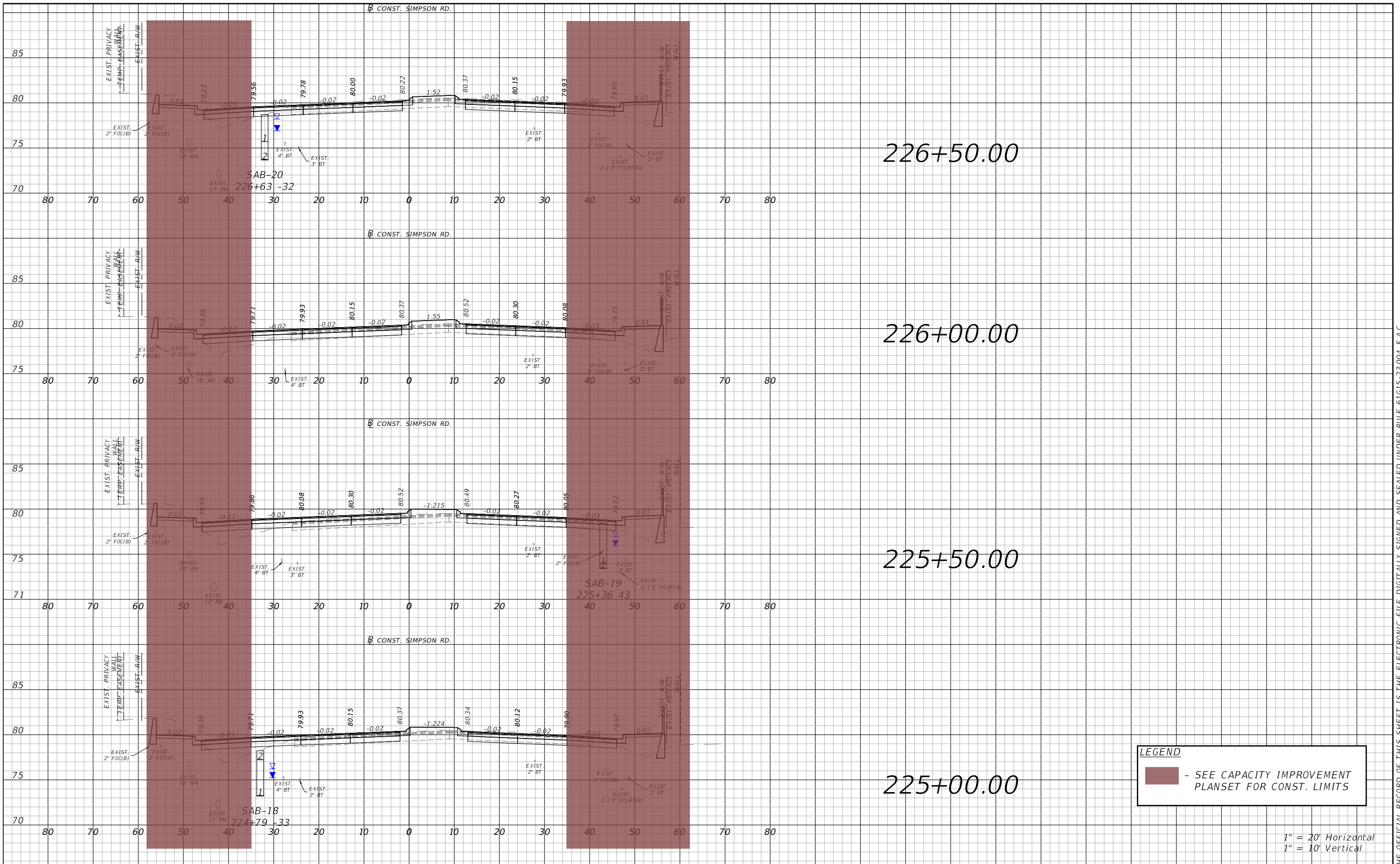


OSCEOLA COUNTY  
 FLORIDA

SIMPSON RD CROSS SECTION  
 SHEET 12

SHEET NO.  
 113

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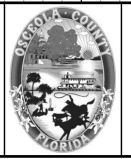


**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**vhb** Engineers | Scientists  
 Planners | Designers  
 225 E. Robinson Street, Suite 300  
 Orlando, FL 32801 (407)839-4006  
 Certificate of Authorization # 3932  
 Mark F. Bertoncini, P.E.  
 PE # 63437



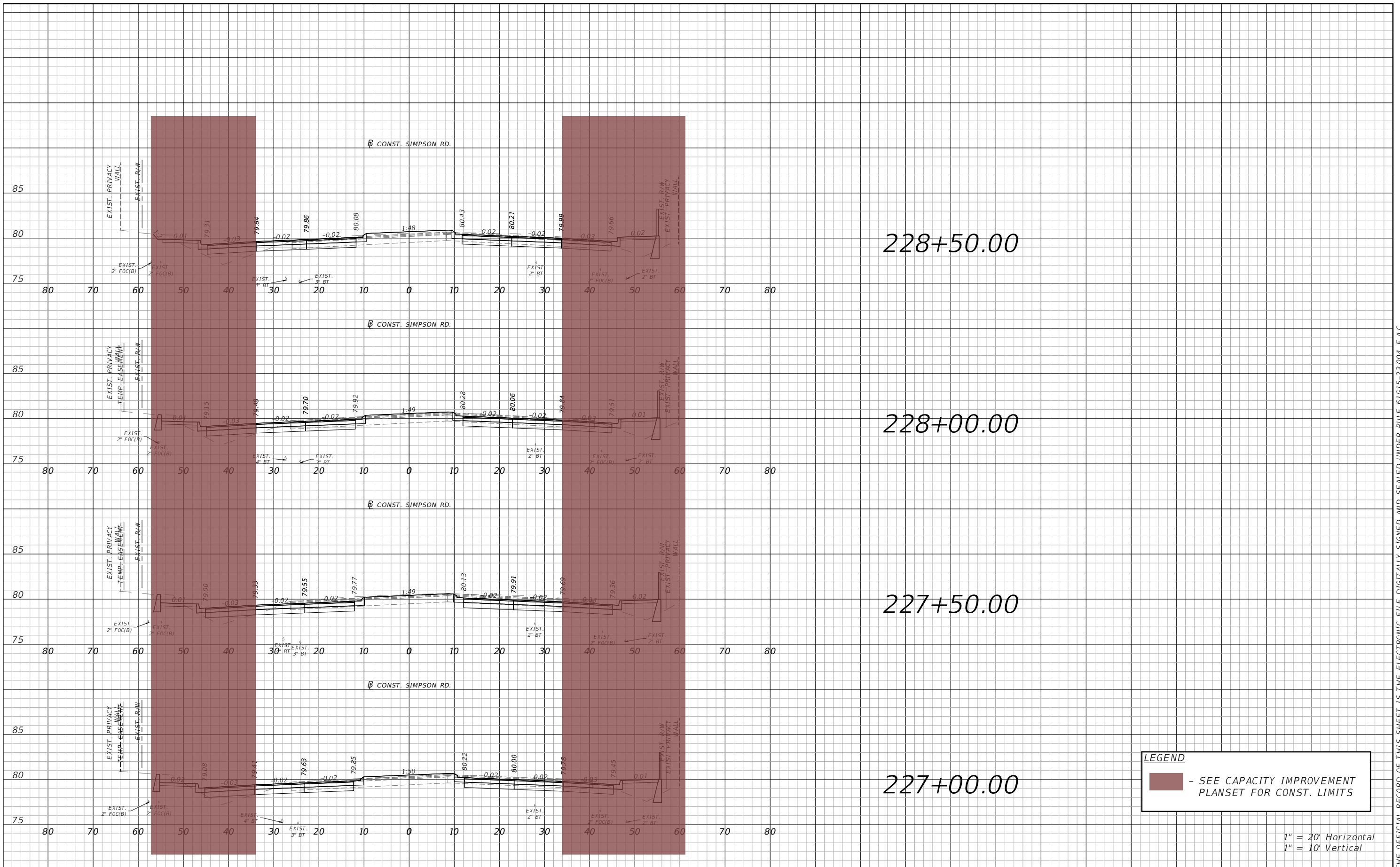
OSCEOLA COUNTY  
 FLORIDA

SIMPSON RD CROSS SECTION  
 SHEET 13

SHEET NO.  
 114

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

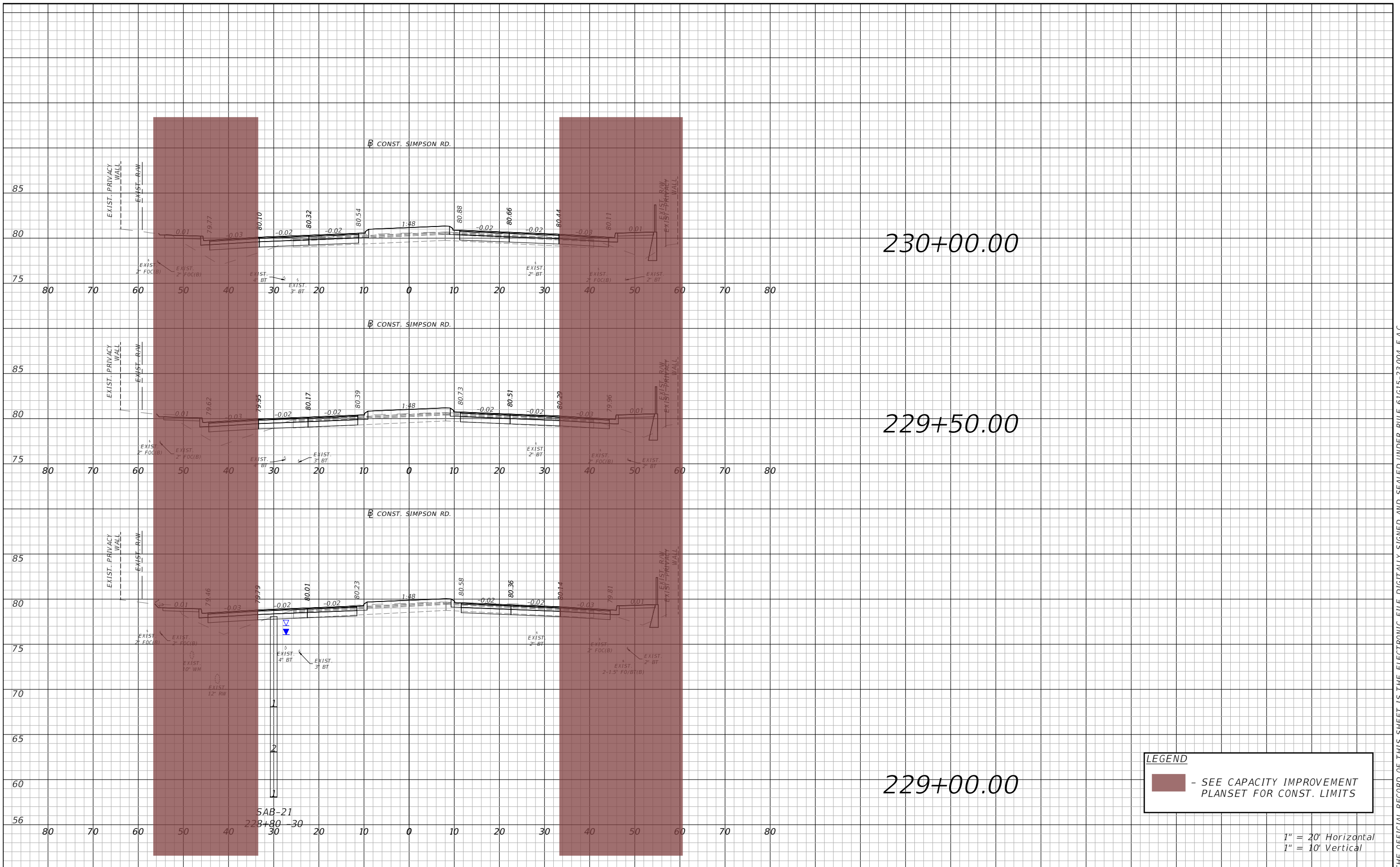

 Engineers | Scientists  
 Planners | Designers  
 225 E. Robinson Street, Suite 300  
 Orlando, FL 32801 (407)839-4006  
 Certificate of Authorization # 3932  
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 PE # 63437



OSCEOLA COUNTY  
FLORIDA

SIMPSON RD CROSS SECTION  
SHEET 14

SHEET NO.  
115



**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

 **vhb**  
 Engineers | Scientists  
 Planners | Designers  
 225 E. Robinson Street, Suite 300  
 Orlando, FL 32801 (407)839-4006  
 Certificate of Authorization # 3932  
 Mark F. Bertoncini, P.E.  
 PE # 63437

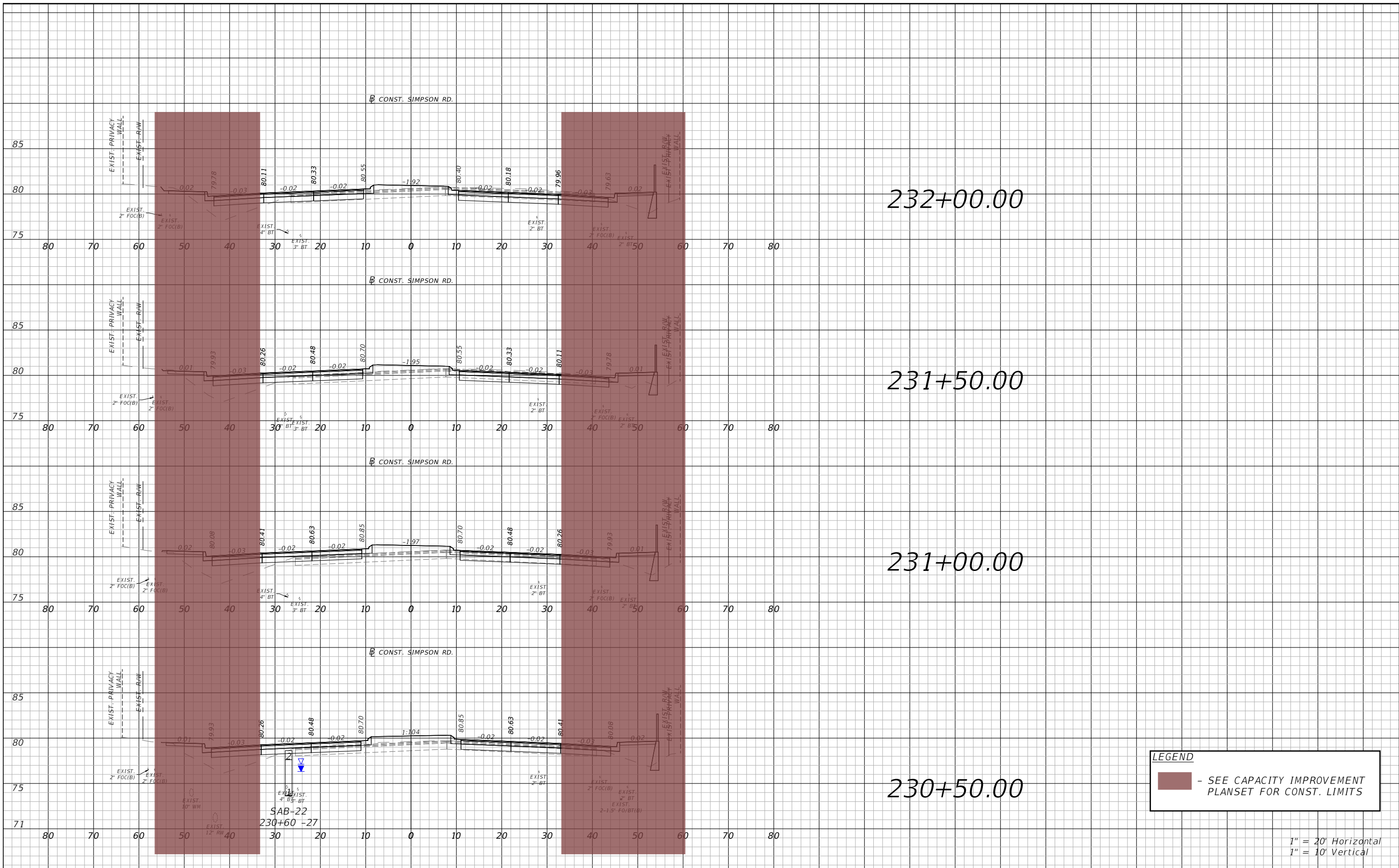


OSCEOLA COUNTY  
 FLORIDA

SIMPSON RD CROSS SECTION  
 SHEET 15

SHEET NO.  
 116

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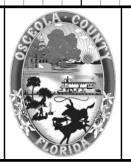


THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



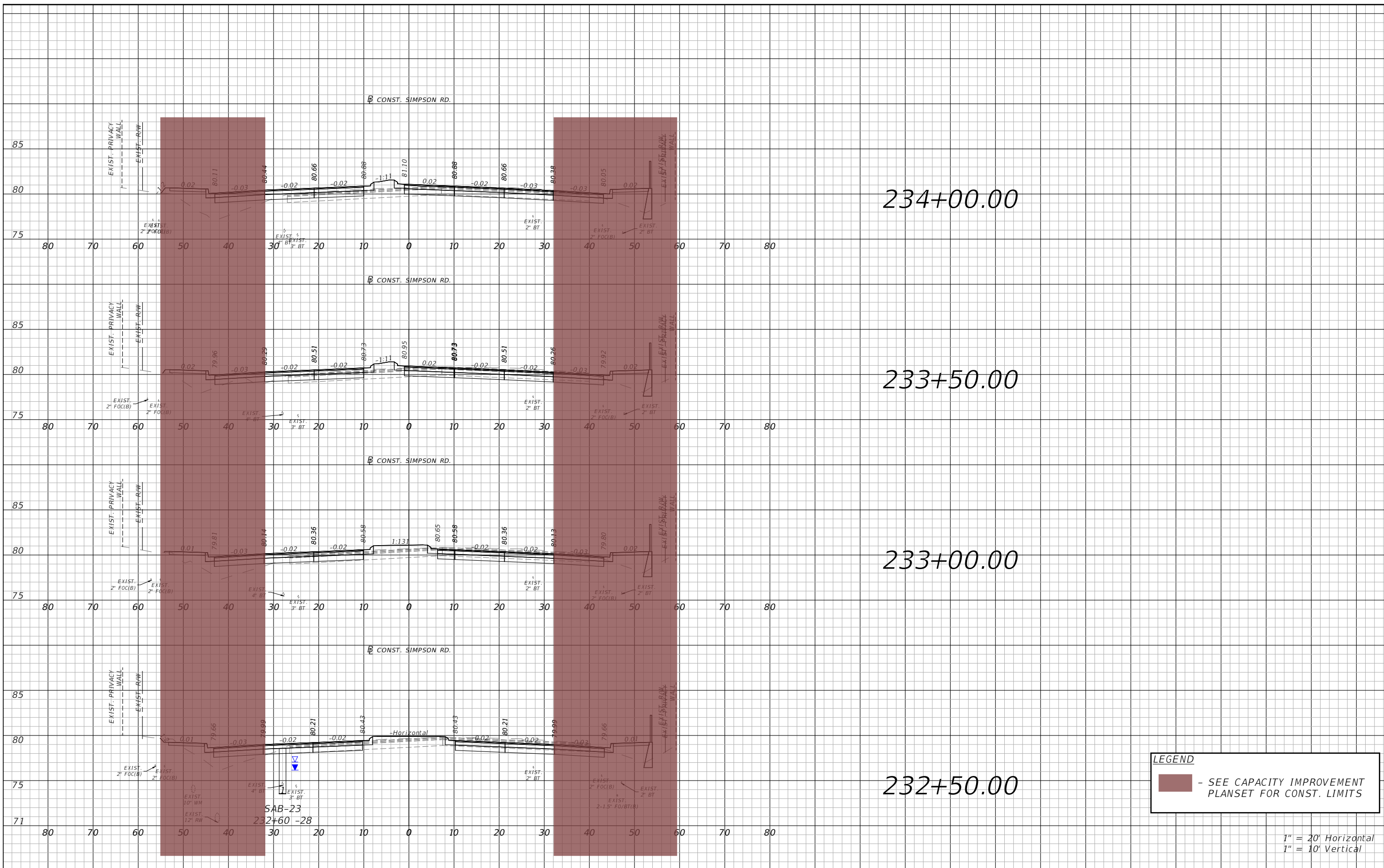
Engineers | Scientists  
Planners | Designers  
225 E. Robinson Street, Suite 300  
Orlando, FL 32801 (407)839-4006  
Certificate of Authorization # 3932  
Mark F. Bertoncini, P.E.  
PE # 63437




OSCEOLA COUNTY  
FLORIDA

SIMPSON RD CROSS SECTION  
SHEET 16

SHEET NO.  
117



**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**vhb**  
 Engineers | Scientists  
 Planners | Designers  
 225 E. Robinson Street, Suite 300  
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 Certificate of Authorization # 3932  
 Mark F. Bertoncini, P.E.  
 PE # 63437

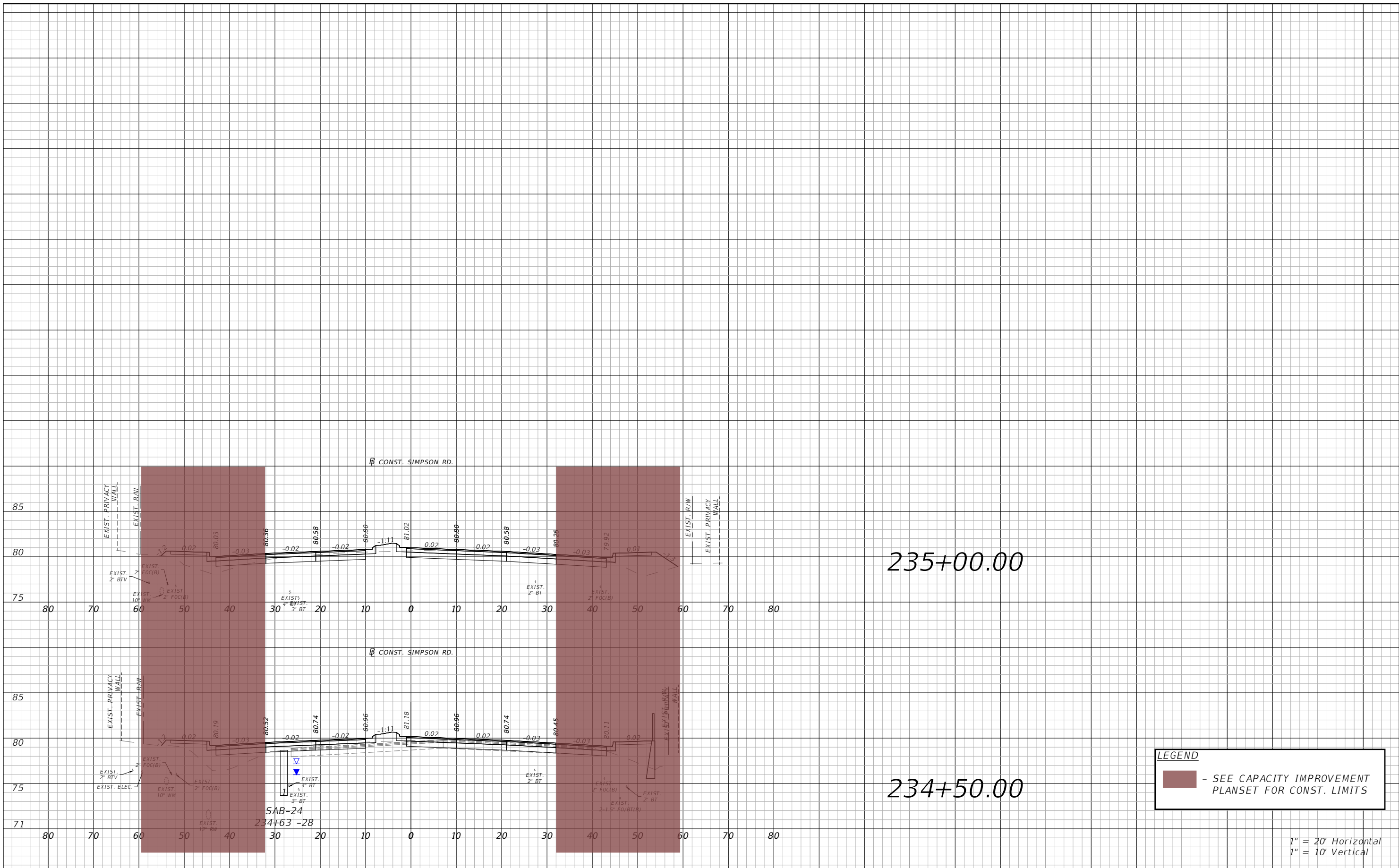



OSCEOLA COUNTY  
 FLORIDA

SIMPSON RD CROSS SECTION  
 SHEET 17

SHEET NO.  
 118

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**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



Engineers | Scientists  
 Planners | Designers  
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OSCEOLA COUNTY  
 FLORIDA

SIMPSON RD CROSS SECTION  
 SHEET 18


SHEET NO.  
 119

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Volume Table													
Station	Total				Safety Improvements				Capacity Improvements				
	Cut Area	Cul Vol	Fill Area	Fill Vol	Cut Area	Cul Vol	Fill Area	Fill Vol	Cut Area	Cul Vol	Fill Area	Fill Vol	
111+00	12.38	0.00	38.01	0.00	12.38	0.00	38.01	0.00	0.00	0.00	0.00	0.00	
111+50	10.76	21.43	73.12	102.90	10.76	21.43	73.12	102.90	0.00	0.00	0.00	0.00	
112+00	68.98	73.83	60.96	124.15	68.98	73.83	60.96	124.15	0.00	0.00	0.00	0.00	
112+50	83.71	141.38	49.42	102.21	83.71	141.38	49.42	102.21	0.00	0.00	0.00	0.00	
113+00	62.30	135.20	18.85	63.21	62.30	135.20	18.85	63.21	0.00	0.00	0.00	0.00	
113+50	73.62	125.85	15.22	31.54	73.62	125.85	15.22	31.54	0.00	0.00	0.00	0.00	
114+00	25.06	91.37	13.98	27.03	25.06	91.37	13.98	27.03	0.00	0.00	0.00	0.00	
114+50	20.72	42.39	20.06	31.52	20.72	42.39	20.06	31.52	0.00	0.00	0.00	0.00	
115+00	26.23	43.47	18.49	35.70	26.23	43.47	18.49	35.70	0.00	0.00	0.00	0.00	
115+50	25.93	48.29	19.67	35.33	25.93	48.29	19.67	35.33	0.00	0.00	0.00	0.00	
116+00	68.27	87.22	15.47	32.53	68.27	87.22	15.47	32.53	0.00	0.00	0.00	0.00	
116+50	56.03	115.10	21.14	33.90	56.03	115.10	21.14	33.90	0.00	0.00	0.00	0.00	
117+00	68.96	115.74	14.81	33.29	68.96	115.74	14.81	33.29	0.00	0.00	0.00	0.00	
117+50	130.64	184.82	9.27	22.30	130.64	184.82	9.27	22.30	0.00	0.00	0.00	0.00	
118+00	47.07	164.55	22.63	29.54	47.07	164.55	22.63	29.54	0.00	0.00	0.00	0.00	
118+50	9.60	52.48	21.01	40.40	9.60	52.48	21.01	40.40	0.00	0.00	0.00	0.00	
119+00	7.66	15.98	29.40	46.68	7.66	15.98	29.40	46.68	0.00	0.00	0.00	0.00	
119+50	4.62	11.37	18.93	44.75	4.62	11.37	18.93	44.75	0.00	0.00	0.00	0.00	
120+00	28.95	31.08	19.28	35.37	28.95	31.08	19.28	35.37	0.00	0.00	0.00	0.00	
120+50	107.05	125.92	3.81	21.38	107.05	125.92	3.81	21.38	0.00	0.00	0.00	0.00	
120+64	115.34	57.66	0.03	1.00	115.34	57.66	0.03	1.00	0.00	0.00	0.00	0.00	
121+00	93.63	139.31	28.14	18.78	93.63	139.31	28.14	18.78	0.00	0.00	0.00	0.00	
121+50	102.04	181.17	34.13	57.66	102.04	181.17	34.13	57.66	0.00	0.00	0.00	0.00	
122+00	81.71	170.13	38.95	67.67	81.71	170.13	38.95	67.67	0.00	0.00	0.00	0.00	
122+50	69.59	140.09	103.72	132.10	69.59	140.09	103.72	132.10	0.00	0.00	0.00	0.00	
123+00	24.31	86.95	133.74	219.87	24.31	86.95	133.74	219.87	0.00	0.00	0.00	0.00	
123+50	67.08	84.62	111.17	226.77	67.08	84.62	111.17	226.77	0.00	0.00	0.00	0.00	
124+00	84.16	140.04	2.54	105.28	84.16	140.04	2.54	105.28	0.00	0.00	0.00	0.00	
124+50	98.17	168.83	8.45	10.18	98.17	168.83	8.45	10.18	0.00	0.00	0.00	0.00	
125+00	41.41	129.25	10.78	17.81	41.41	129.25	10.78	17.81	0.00	0.00	0.00	0.00	
125+50	29.01	65.21	13.41	22.40	29.01	65.21	13.41	22.40	0.00	0.00	0.00	0.00	
126+00	88.12	108.45	13.75	25.15	88.12	108.45	13.75	25.15	0.00	0.00	0.00	0.00	
126+25	144.21	107.56	2.71	7.62	144.21	107.56	2.71	7.62	0.00	0.00	0.00	0.00	
126+50	115.04	120.02	7.43	4.69	115.04	120.02	7.43	4.69	0.00	0.00	0.00	0.00	
127+00	73.67	174.73	11.34	17.38	73.67	174.73	11.34	17.38	0.00	0.00	0.00	0.00	
127+50	75.39	138.01	22.22	31.08	75.39	138.01	22.22	31.08	0.00	0.00	0.00	0.00	
128+00	66.44	131.32	35.21	53.18	66.44	131.32	35.21	53.18	0.00	0.00	0.00	0.00	

Volume Table													
Station	Total				Safety Improvements				Capacity Improvements				
	Cut Area	Cul Vol	Fill Area	Fill Vol	Cut Area	Cul Vol	Fill Area	Fill Vol	Cut Area	Cul Vol	Fill Area	Fill Vol	
128+50	45.16	103.33	35.24	65.23	45.16	103.33	35.24	65.23	0.00	0.00	0.00	0.00	
129+00	50.17	88.26	32.63	62.84	50.17	88.26	32.63	62.84	0.00	0.00	0.00	0.00	
129+50	36.89	80.61	37.94	65.34	36.89	80.61	37.94	65.34	0.00	0.00	0.00	0.00	
130+00	96.62	123.63	17.95	51.76	96.62	123.63	17.95	51.76	0.00	0.00	0.00	0.00	
130+50	89.60	172.43	13.57	29.19	89.60	172.43	13.57	29.19	0.00	0.00	0.00	0.00	
131+00	33.52	114.00	16.93	28.24	33.52	114.00	16.93	28.24	0.00	0.00	0.00	0.00	
131+50	26.74	55.80	36.13	49.13	26.74	55.80	36.13	49.13	0.00	0.00	0.00	0.00	
132+00	64.04	84.06	21.93	53.76	64.04	84.06	21.93	53.76	0.00	0.00	0.00	0.00	
132+50	31.29	88.27	36.19	53.81	31.29	88.27	36.19	53.81	0.00	0.00	0.00	0.00	
133+00	37.19	63.41	32.82	63.90	37.19	63.41	32.82	63.90	0.00	0.00	0.00	0.00	
133+50	6.07	40.06	63.57	89.25	6.07	40.06	63.57	89.25	0.00	0.00	0.00	0.00	
134+00	21.59	25.62	47.25	102.61	21.59	25.62	47.25	102.61	0.00	0.00	0.00	0.00	
134+50	24.61	42.78	31.96	73.34	24.61	42.78	31.96	73.34	0.00	0.00	0.00	0.00	
135+00	98.82	114.28	6.66	35.75	98.82	114.28	6.66	35.75	0.00	0.00	0.00	0.00	
135+50	24.51	114.20	20.80	25.42	24.51	114.20	20.80	25.42	0.00	0.00	0.00	0.00	
136+00	28.19	48.81	4.83	23.73	28.19	48.81	4.83	23.73	0.00	0.00	0.00	0.00	
136+50	18.57	43.30	11.89	15.48	18.57	43.30	11.89	15.48	0.00	0.00	0.00	0.00	
137+00	21.03	36.67	3.90	14.62	21.03	36.67	3.90	14.62	0.00	0.00	0.00	0.00	
137+50	11.03	29.68	16.12	18.53	11.03	29.68	16.12	18.53	0.00	0.00	0.00	0.00	
138+00	5.00	14.85	29.51	42.25	5.00	14.85	29.51	42.25	0.00	0.00	0.00	0.00	
138+50	7.02	11.13	19.29	45.19	7.02	11.13	19.29	45.19	0.00	0.00	0.00	0.00	
139+00	11.00	16.69	18.43	34.93	11.00	16.69	18.43	34.93	0.00	0.00	0.00	0.00	
139+50	43.89	50.83	10.05	26.37	43.89	50.83	10.05	26.37	0.00	0.00	0.00	0.00	
140+00	96.22	129.73	2.92	12.01	96.22	129.73	2.92	12.01	0.00	0.00	0.00	0.00	
140+50	54.89	139.92	5.12	7.44	54.89	139.92	5.12	7.44	0.00	0.00	0.00	0.00	
140+75	65.62	55.79	3.43	3.96	65.62	55.79	3.43	3.96	0.00	0.00	0.00	0.00	
141+00	66.26	61.06	0.02	1.60	66.26	61.06	0.02	1.60	0.00	0.00	0.00	0.00	
141+50	48.32	106.09	9.82	9.11	48.32	106.09	9.82	9.11	0.00	0.00	0.00	0.00	
142+00	27.20	69.92	9.45	17.84	27.20	69.92	9.45	17.84	0.00	0.00	0.00	0.00	
142+50	15.29	39.34	26.26	33.06	15.29	39.34	26.26	33.06	0.00	0.00	0.00	0.00	
143+00	0.00	14.16	0.00	24.32	0.00	14.16	0.00	24.32	0.00	0.00	0.00	0.00	
143+50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
144+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
144+50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
145+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
145+50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
146+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

**LEGEND**  
 - SEE CAPACITY IMPROVEMENT PLANSET FOR CONST. LIMITS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

 **vhb**  
 Engineers | Scientists  
 Planners | Designers  
 225 E. Robinson Street, Suite 300  
 Orlando, FL 32801 (407)839-4006  
 Certificate of Authorization # 3932  
 Mark F. Bertocini, P.E.  
 PE # 63437

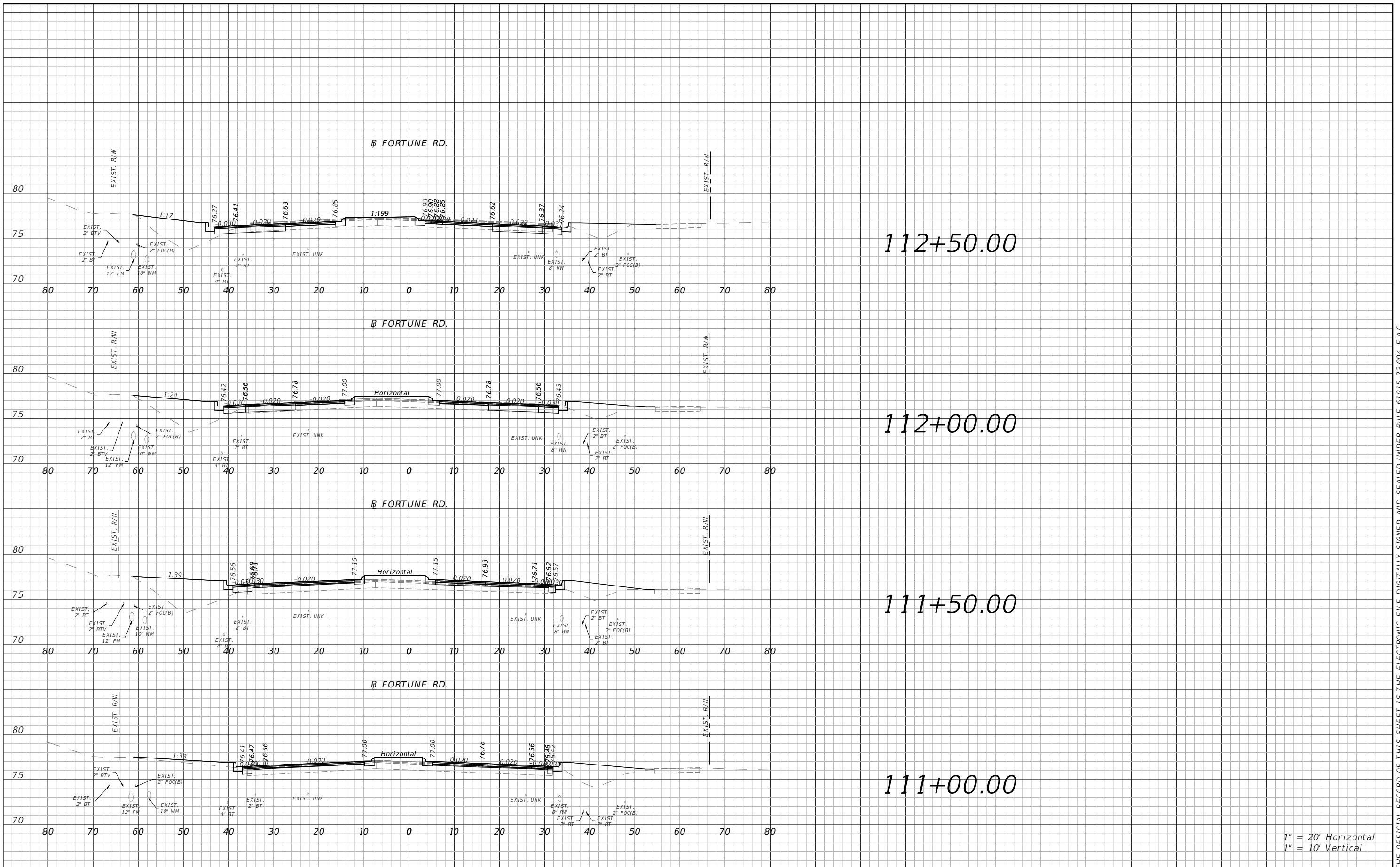


**OSCEOLA COUNTY  
 FLORIDA**

**FORTUNE RD EARTHWORK  
 TABULATION SHEET**

SHEET NO.  
**120**

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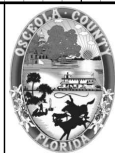


1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
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PE # 63437

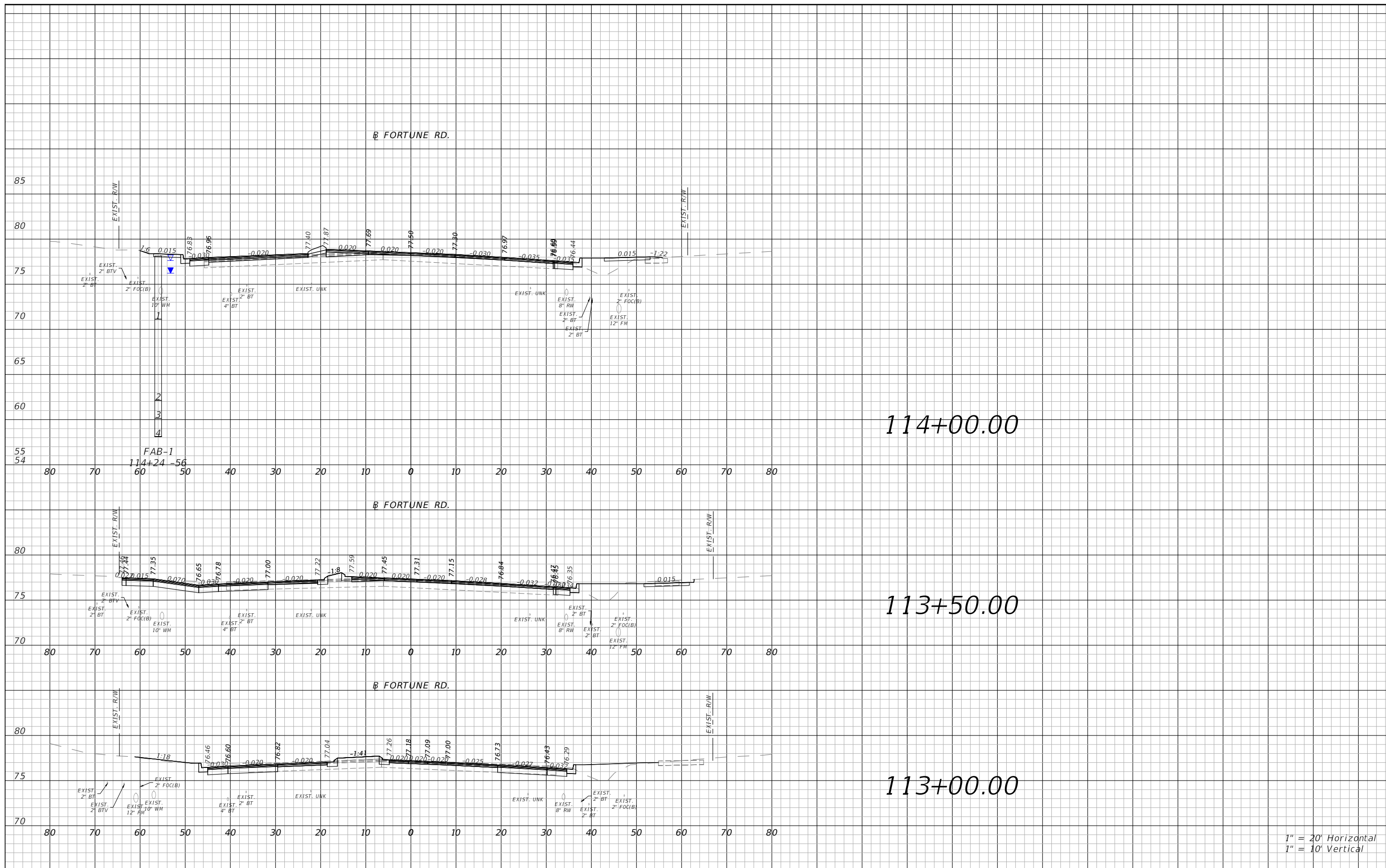


OSCEOLA COUNTY  
FLORIDA

FORTUNE RD CROSS SECTION  
SHEET 1

SHEET NO.  
121

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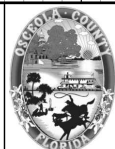


1" = 20' Horizontal  
1" = 10' Vertical

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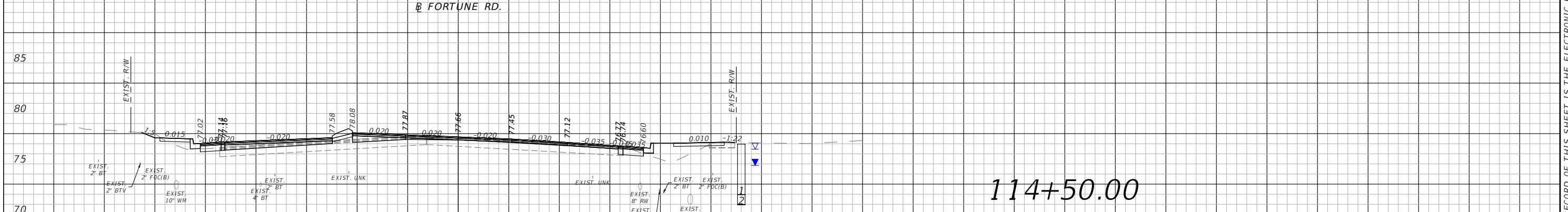
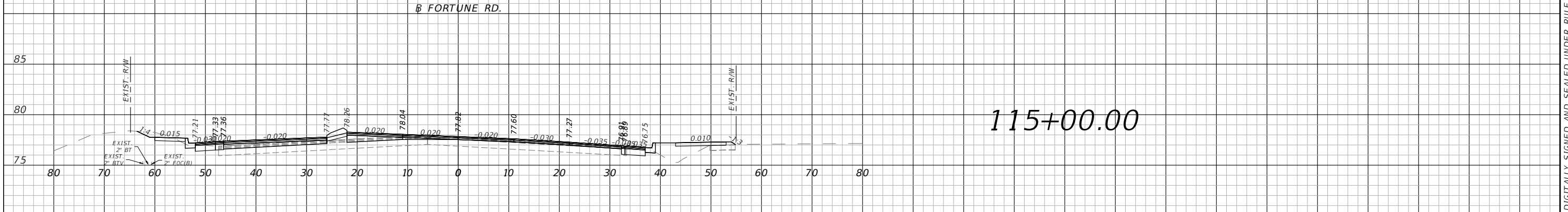
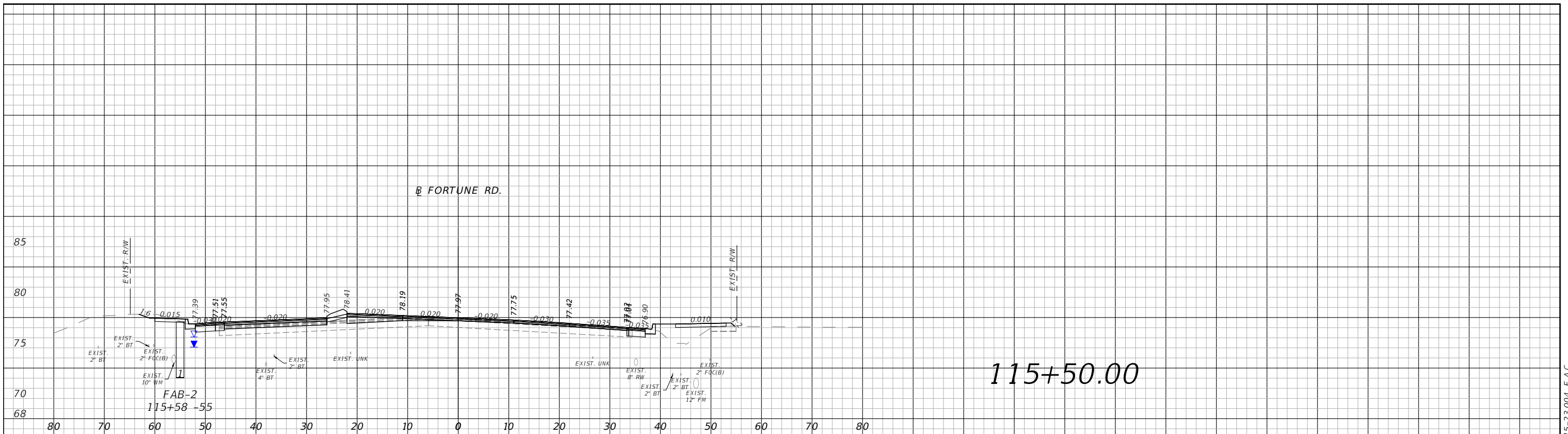


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FORTUNE RD CROSS SECTION  
SHEET 2

SHEET NO.  
122

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PE # 63437

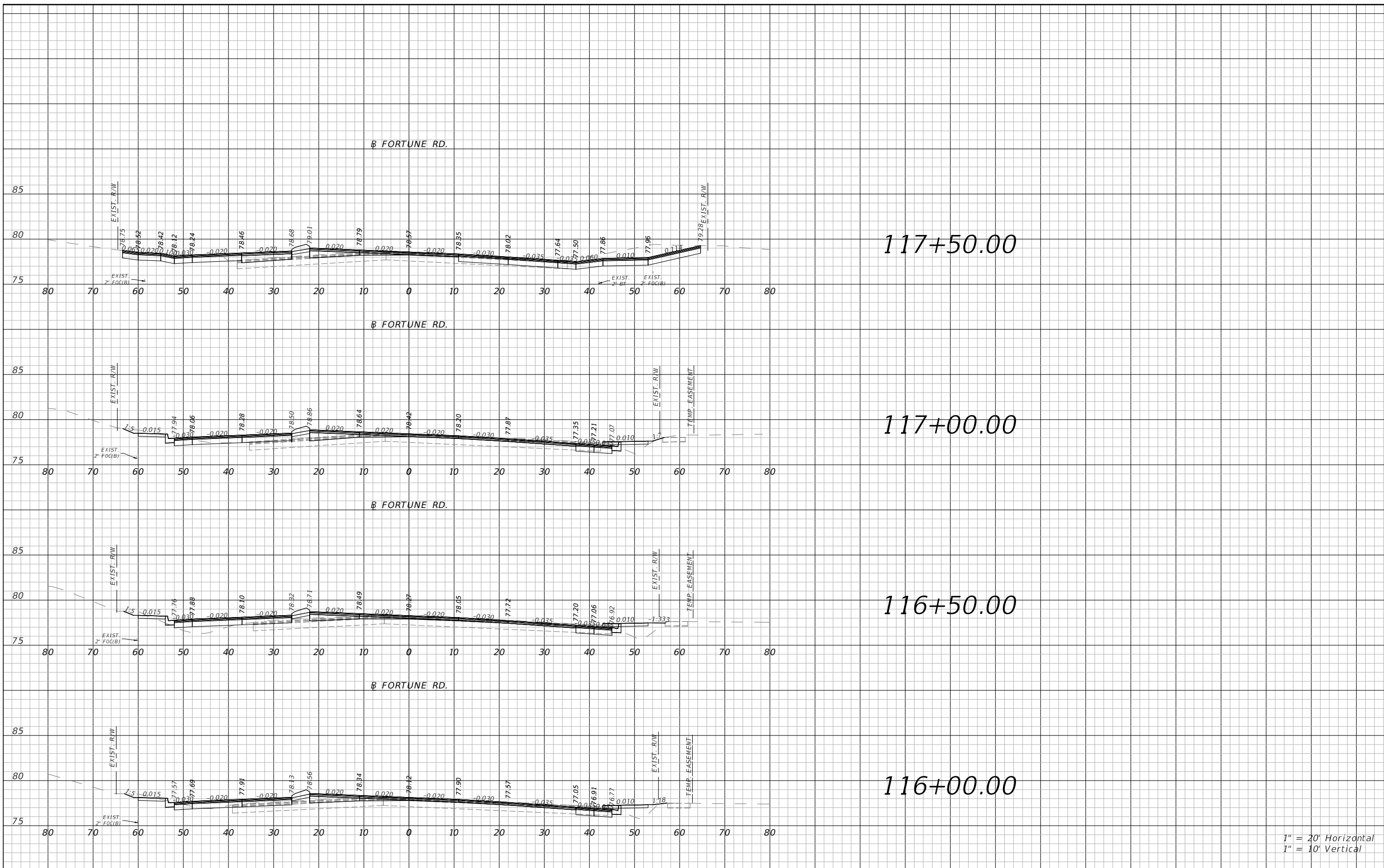


OSCEOLA COUNTY  
FLORIDA

FORTUNE RD CROSS SECTION  
SHEET 3

SHEET NO.  
123

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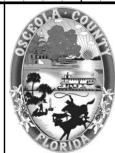


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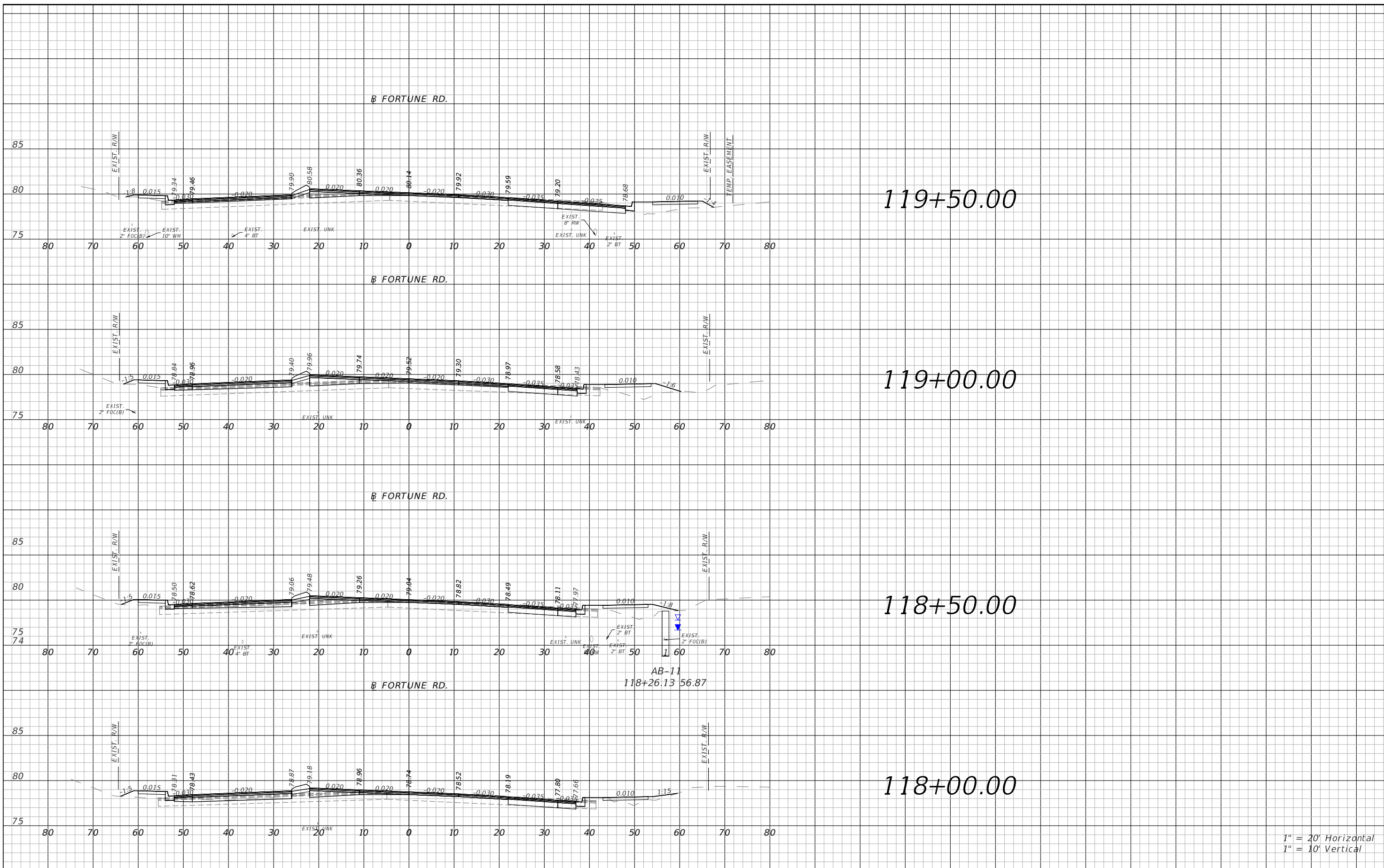


OSCEOLA COUNTY  
FLORIDA

**FORTUNE RD CROSS SECTION  
SHEET 4**

SHEET NO.  
124



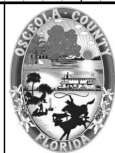


1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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OSCEOLA COUNTY  
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FORTUNE RD CROSS SECTION  
SHEET 5

SHEET NO.  
125

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┆ FORTUNE RD.

121+00.00

┆ FORTUNE RD.

120+64.00

┆ FORTUNE RD.

120+50.00

┆ FORTUNE RD.

120+00.00

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION



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PE # 63437



OSCEOLA COUNTY  
FLORIDA

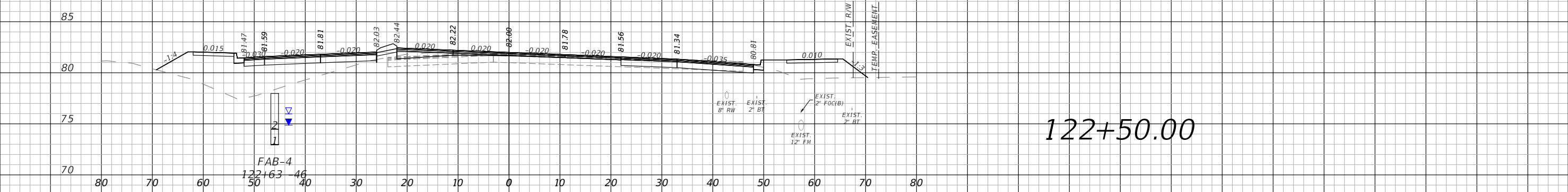
FORTUNE RD CROSS SECTION  
SHEET 6

SHEET  
NO.

126

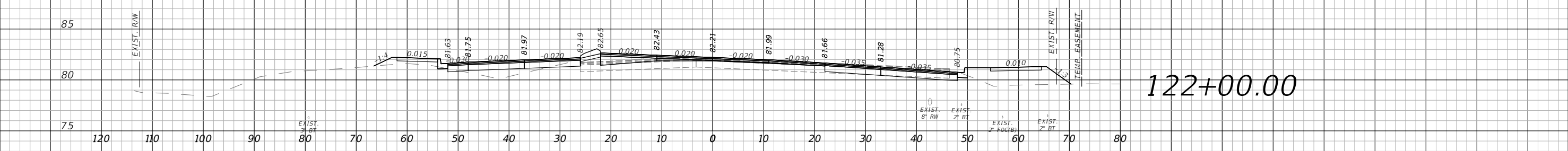
Fortune Rd.

R/W LINE EXTENDS OUTSIDE OF CROSS SECTION VIEW LIMITS



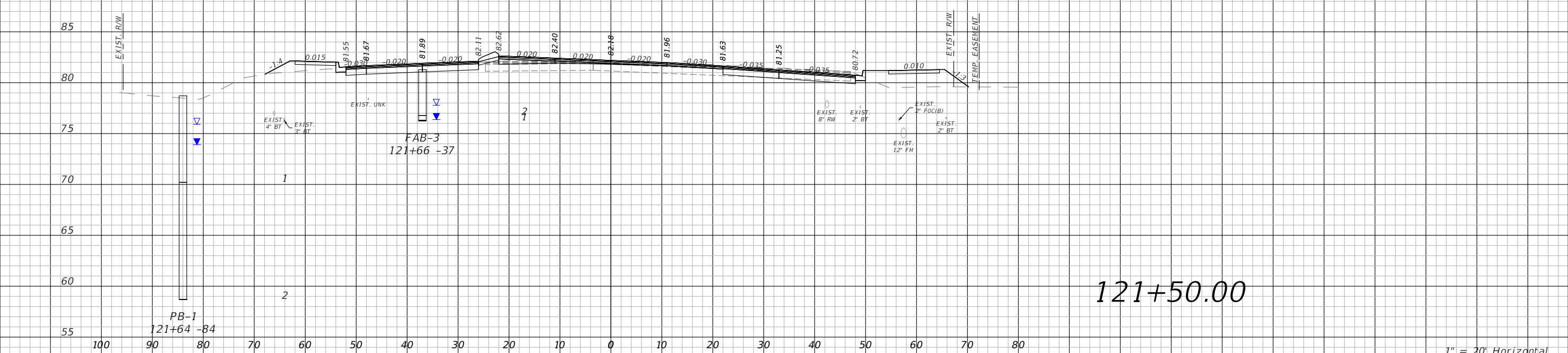
122+50.00

Fortune Rd.



122+00.00

Fortune Rd.



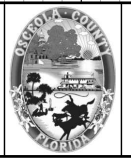
121+50.00

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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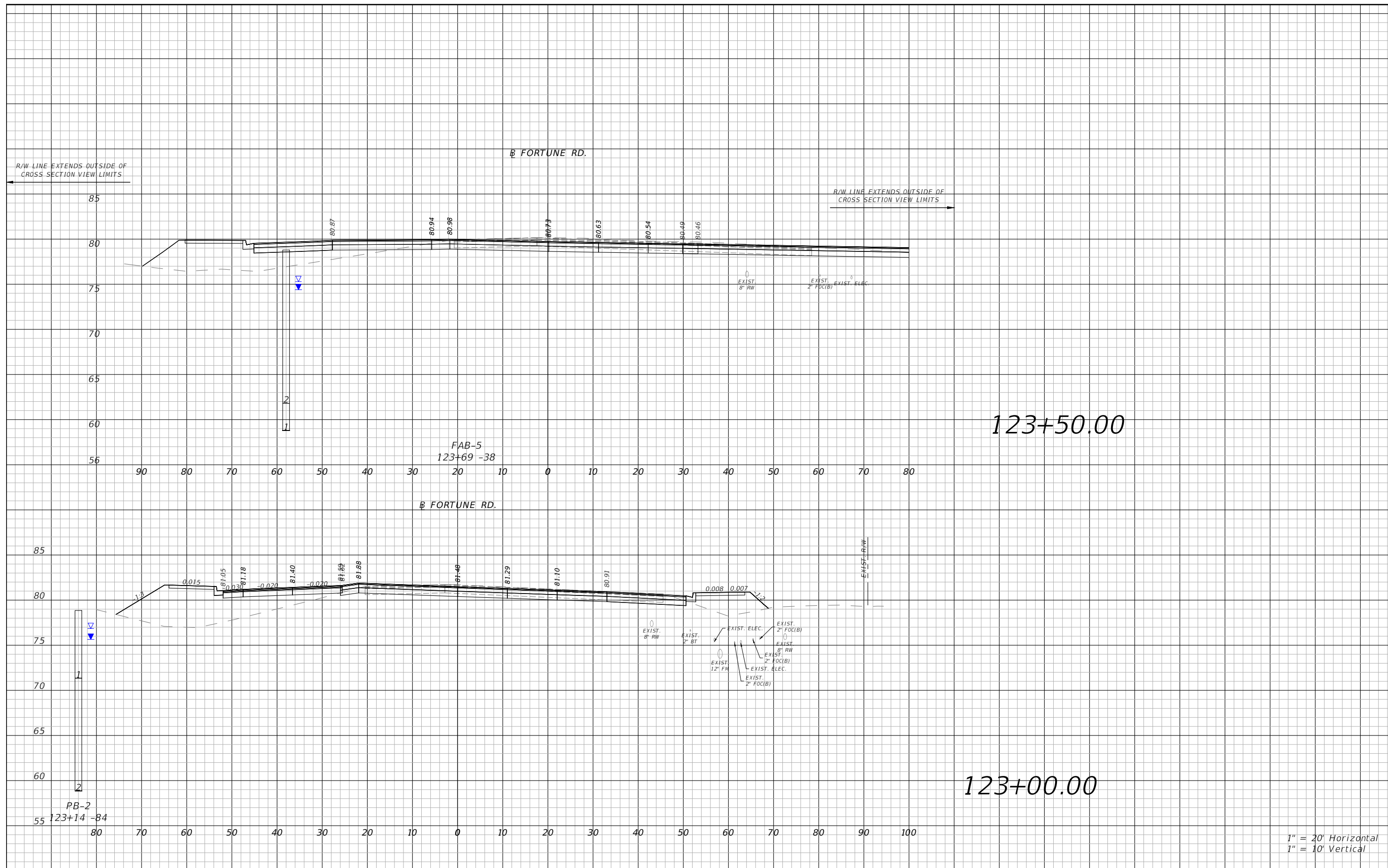


OSCEOLA COUNTY  
FLORIDA

FORTUNE RD CROSS SECTION  
SHEET 7

SHEET NO.  
127

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123+50.00

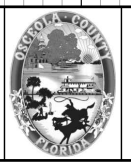
123+00.00

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



Engineers | Scientists  
Planners | Designers  
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PE # 63437

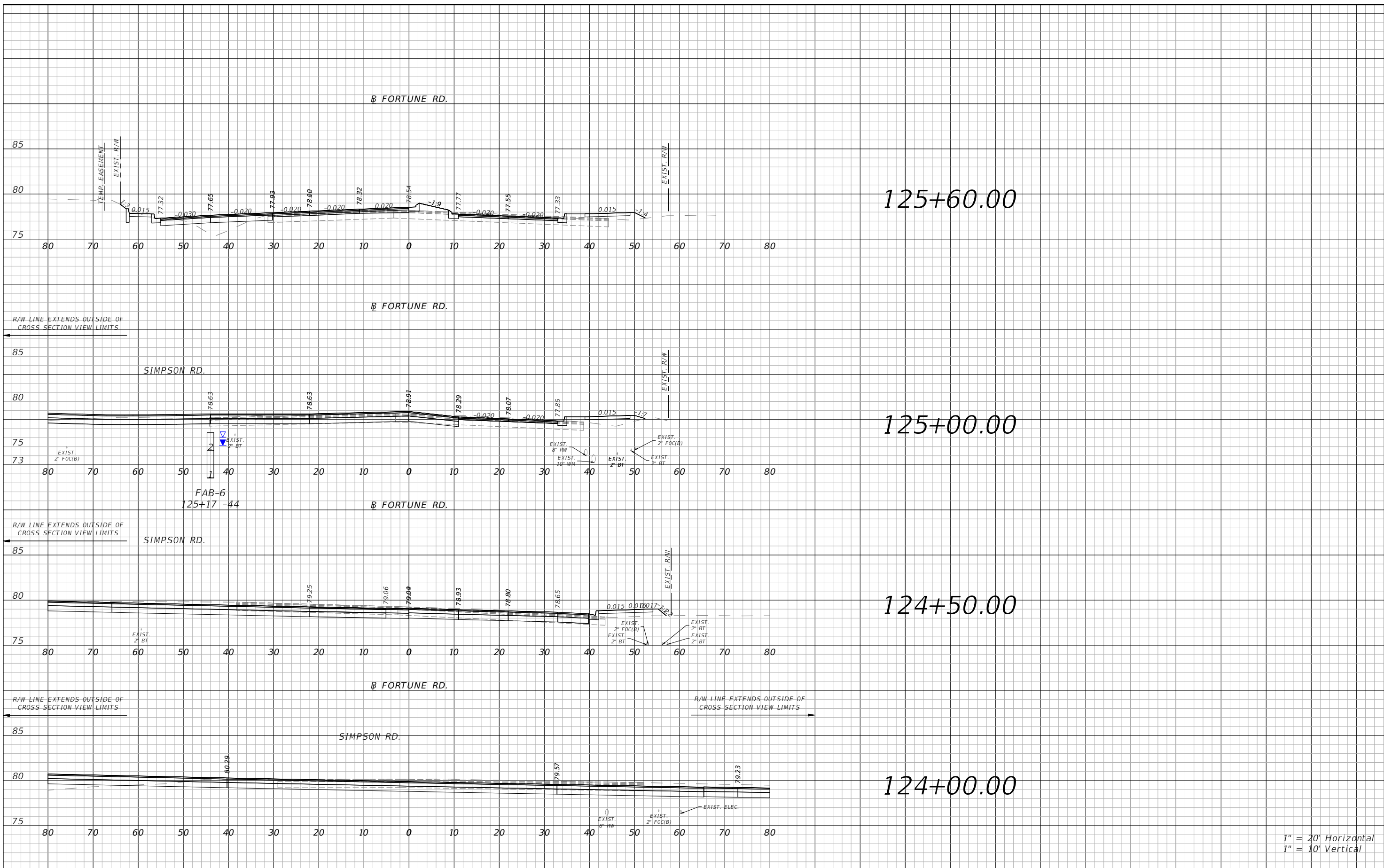


OSCEOLA COUNTY  
FLORIDA

FORTUNE RD CROSS SECTION  
SHEET 8

SHEET NO.  
128

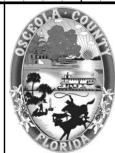
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PE # 63437



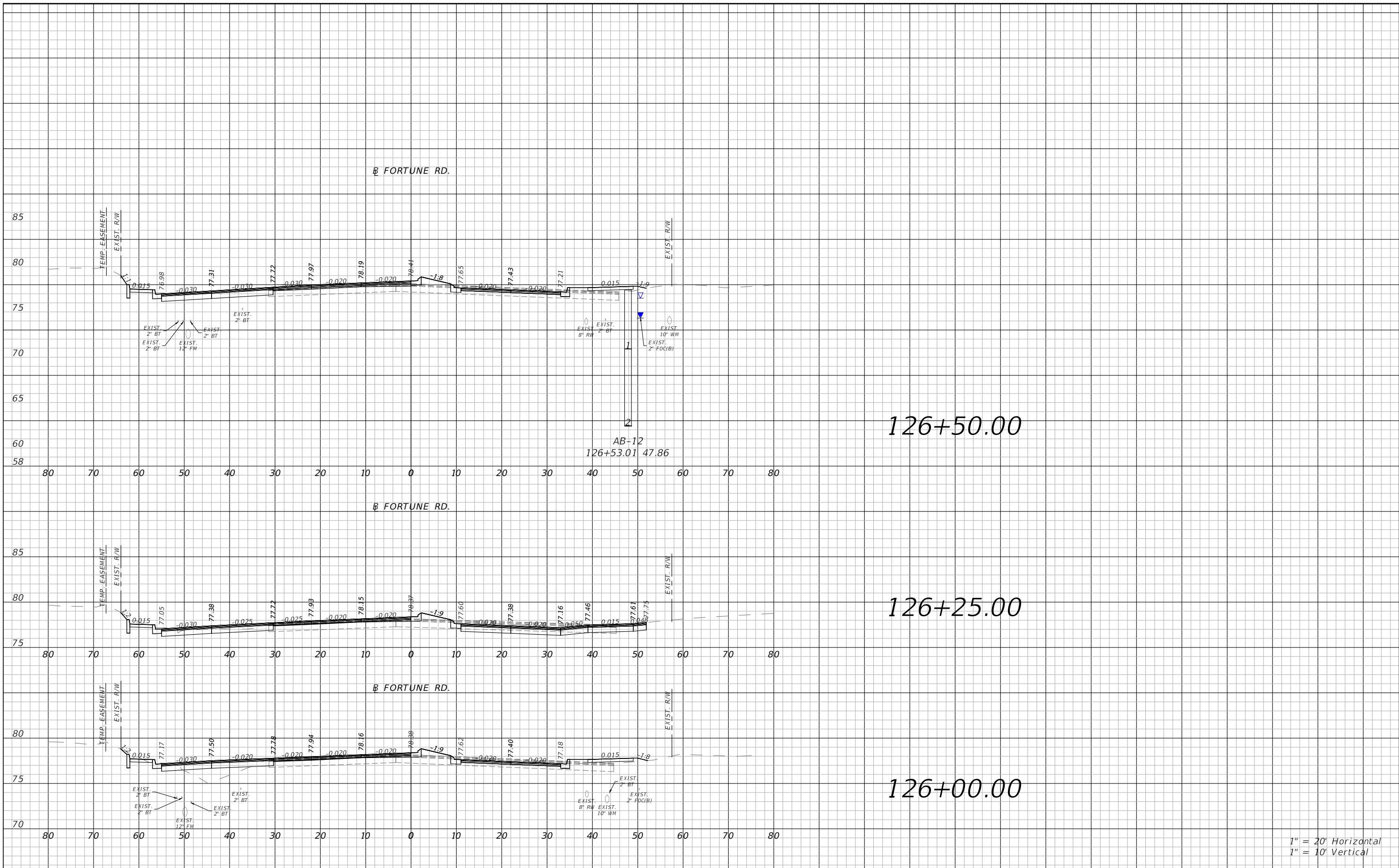
OSCEOLA COUNTY  
FLORIDA

FORTUNE RD CROSS SECTION  
SHEET 9

SHEET NO.  
129

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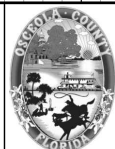


1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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Planners | Designers  
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PE # 63437

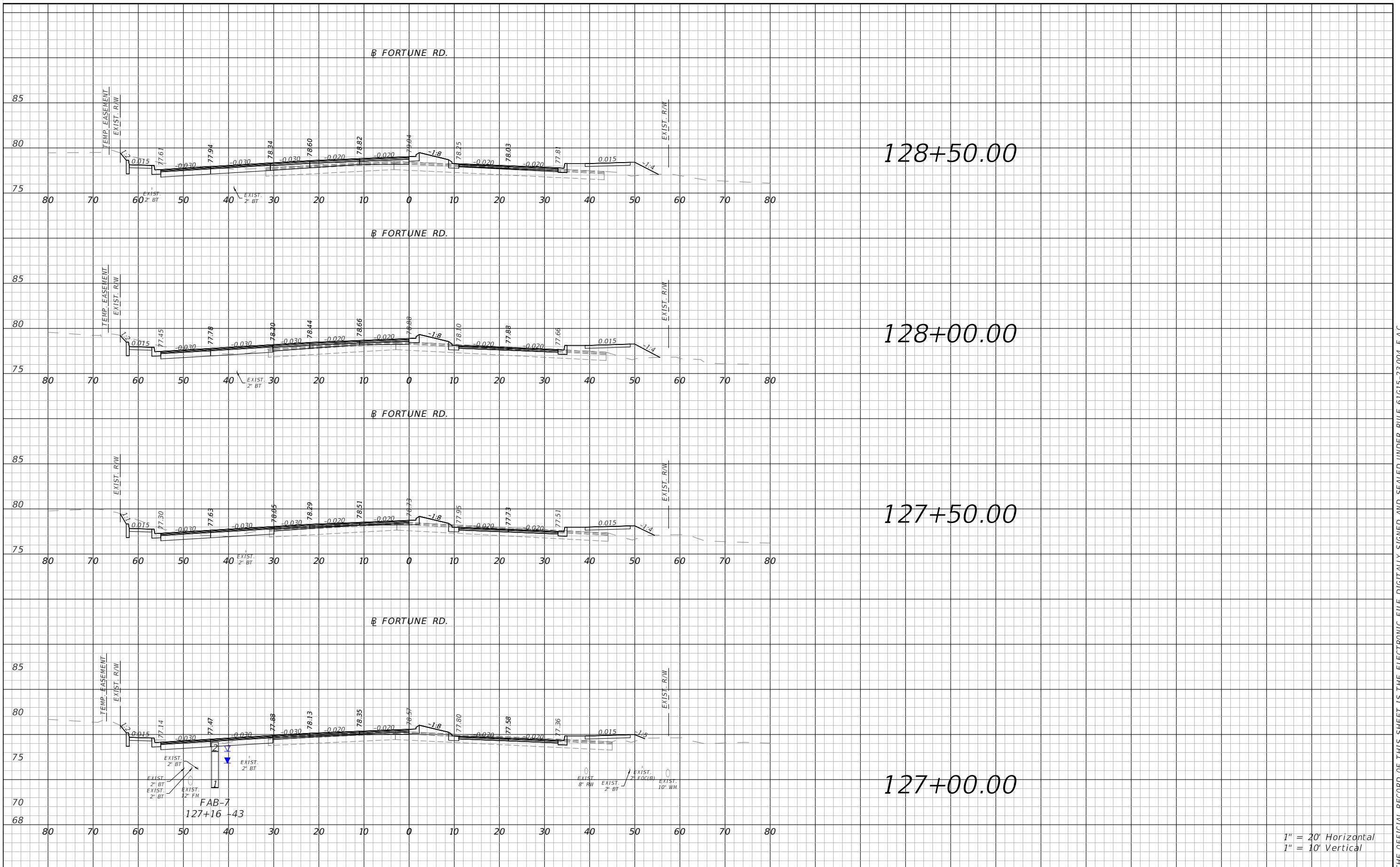


OSCEOLA COUNTY  
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FORTUNE RD CROSS SECTION  
SHEET 10

SHEET NO.  
130

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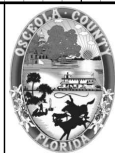


1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



Engineers | Scientists  
Planners | Designers  
225 E. Robinson Street, Suite 300  
Orlando, FL 32801 (407)839-4006  
Certificate of Authorization # 3932  
Mark F. Bertoncini, P.E.  
PE # 63437

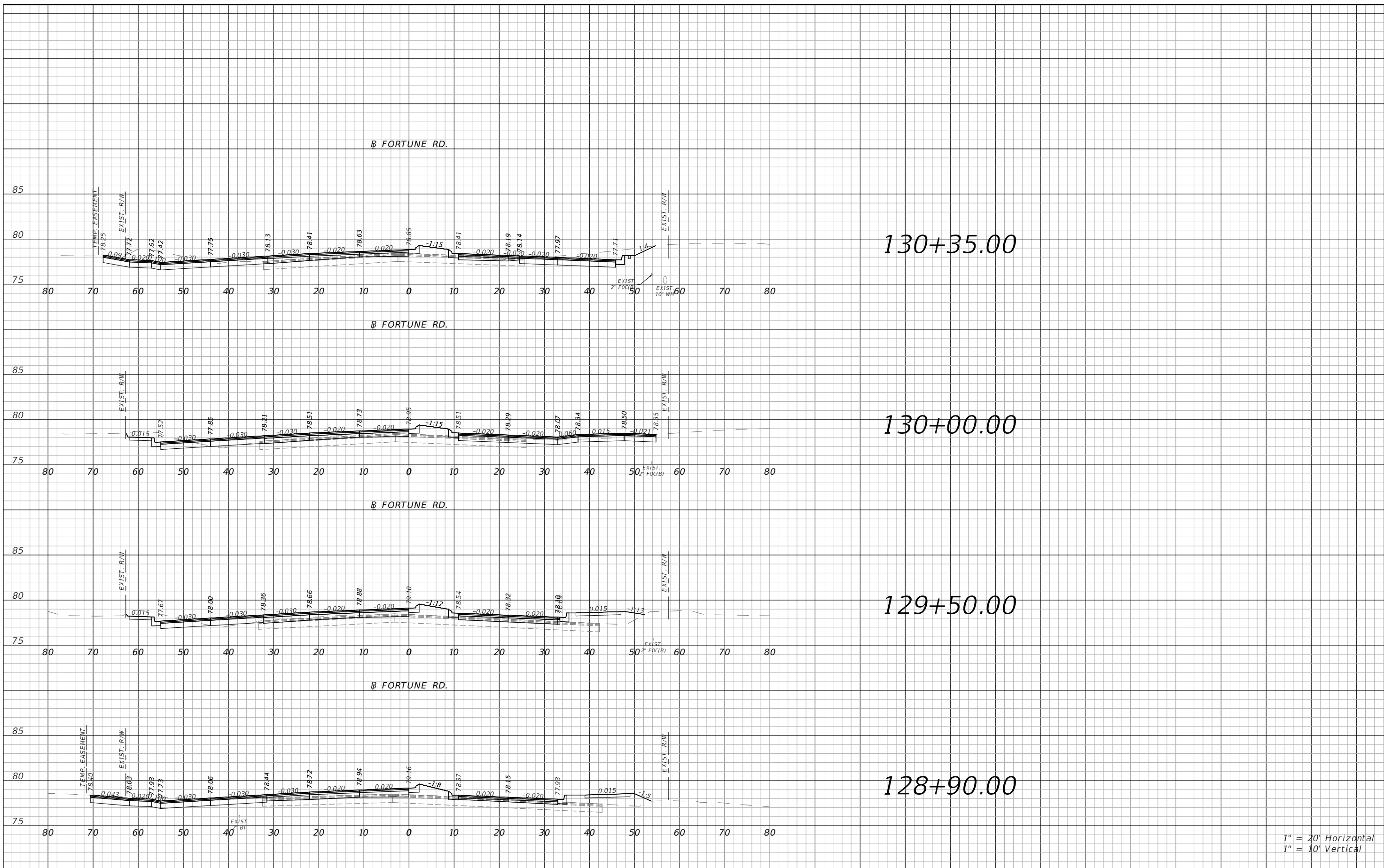


OSCEOLA COUNTY  
FLORIDA

FORTUNE RD CROSS SECTION  
SHEET 11

SHEET NO.  
131

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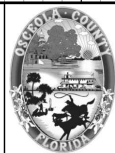


1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



Engineers | Scientists  
Planners | Designers  
225 E. Robinson Street, Suite 300  
Orlando, FL 32801 (407)839-4006  
Certificate of Authorization # 3932  
Mark F. Bertoncini, P.E.  
PE # 63437

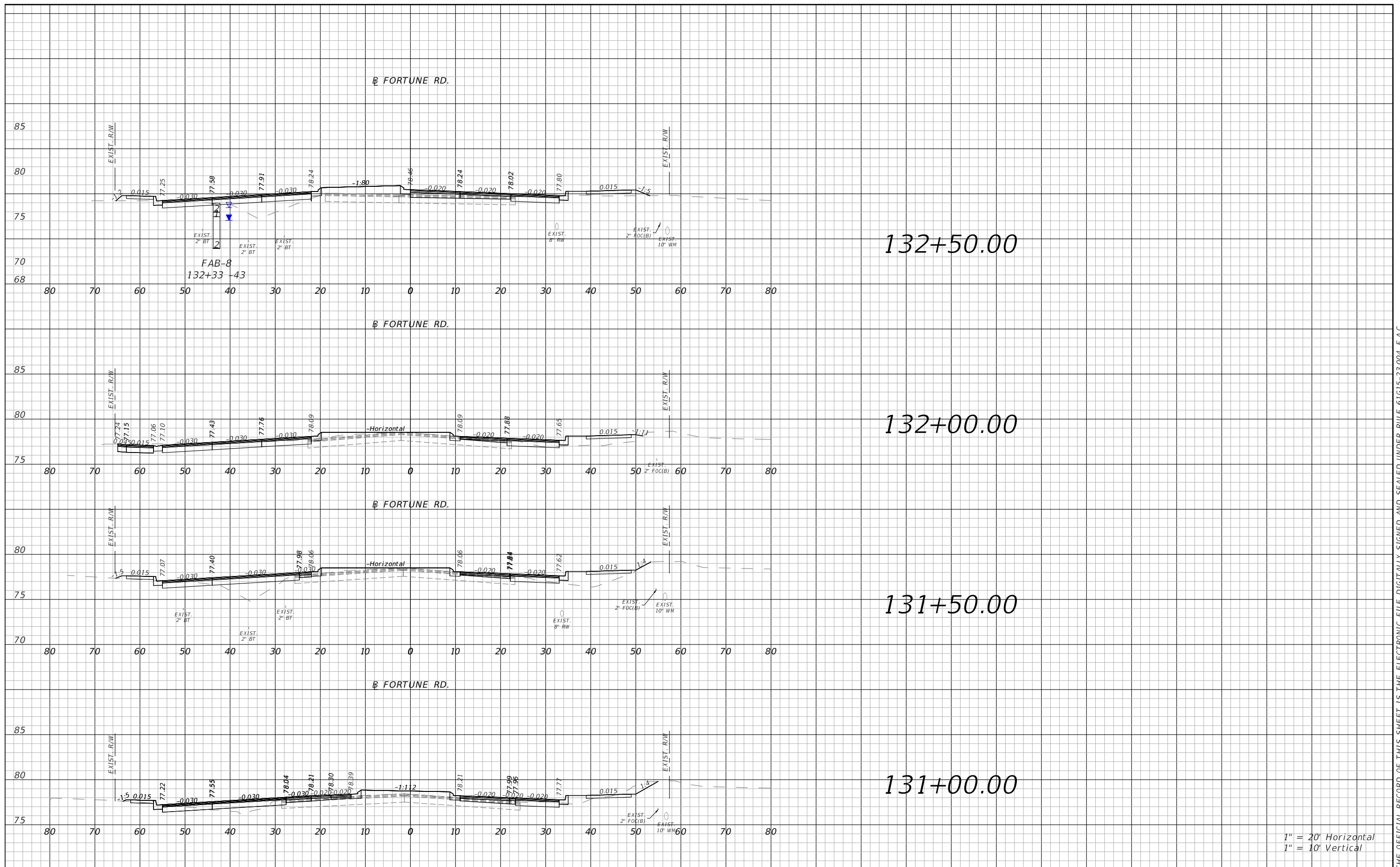


OSCEOLA COUNTY  
FLORIDA

FORTUNE RD CROSS SECTION  
SHEET 12

SHEET NO.  
132

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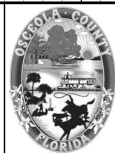


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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



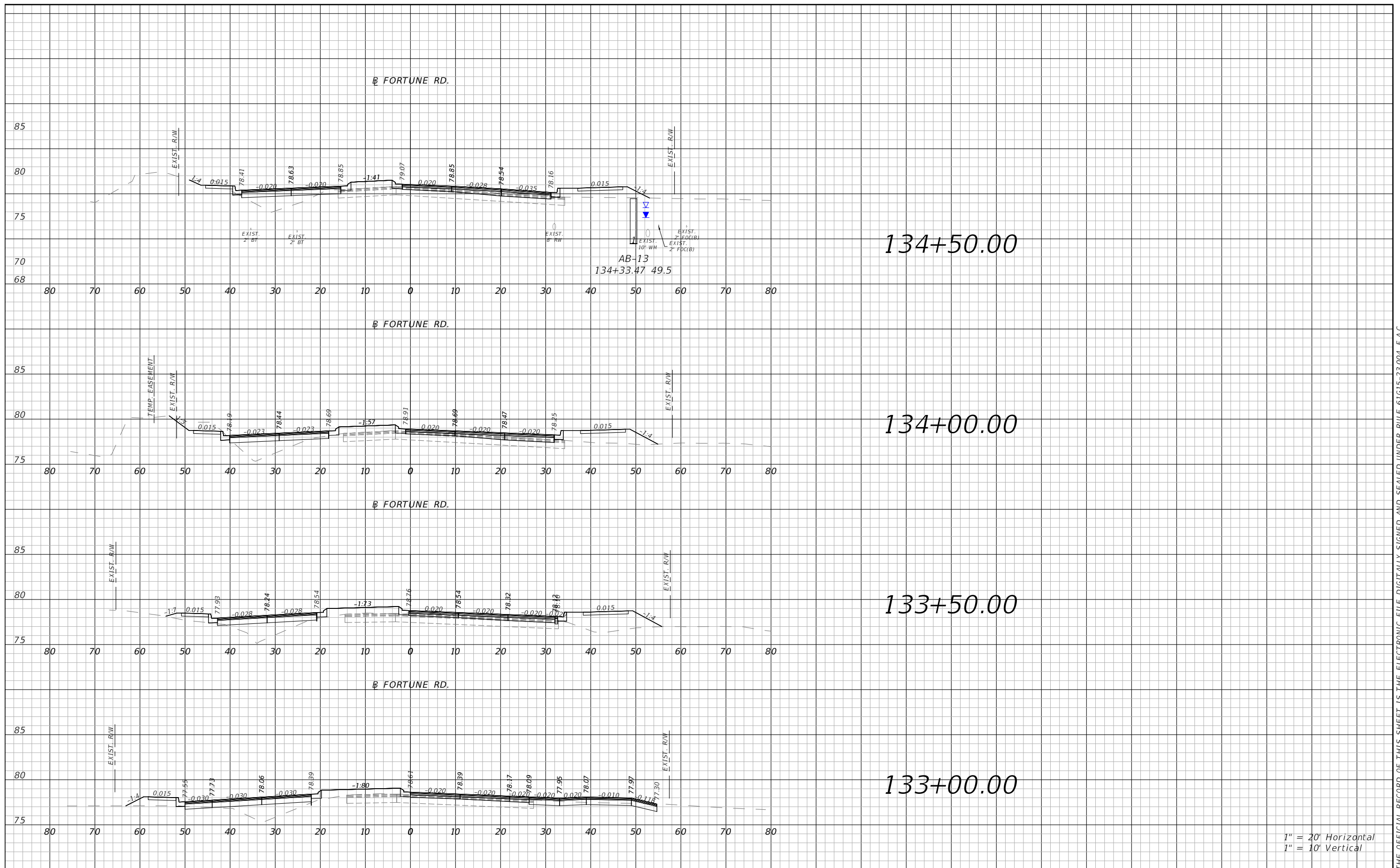
Engineers | Scientists  
Planners | Designers  
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Orlando, FL 32801 (407)839-4006  
Certificate of Authorization # 3932  
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PE # 63437



OSCEOLA COUNTY  
FLORIDA

**FORTUNE RD CROSS SECTION**  
**SHEET 13**

SHEET NO.  
**133**

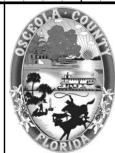


1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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PE # 63437



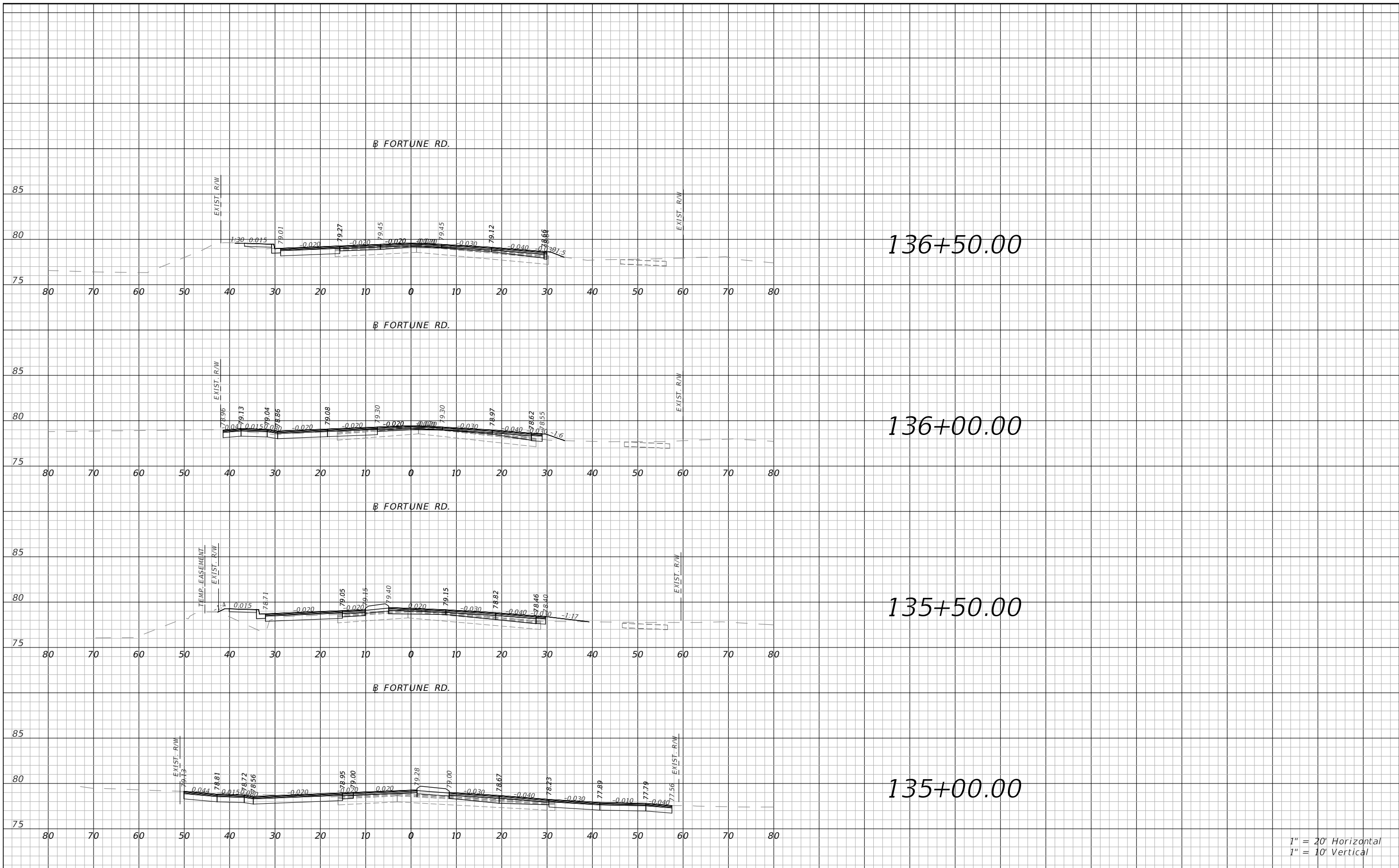
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FLORIDA

FORTUNE RD CROSS SECTION  
SHEET 14

SHEET NO.  
134

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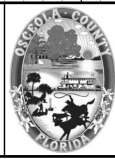


1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



Engineers | Scientists  
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Mark F. Bertocini, P.E.  
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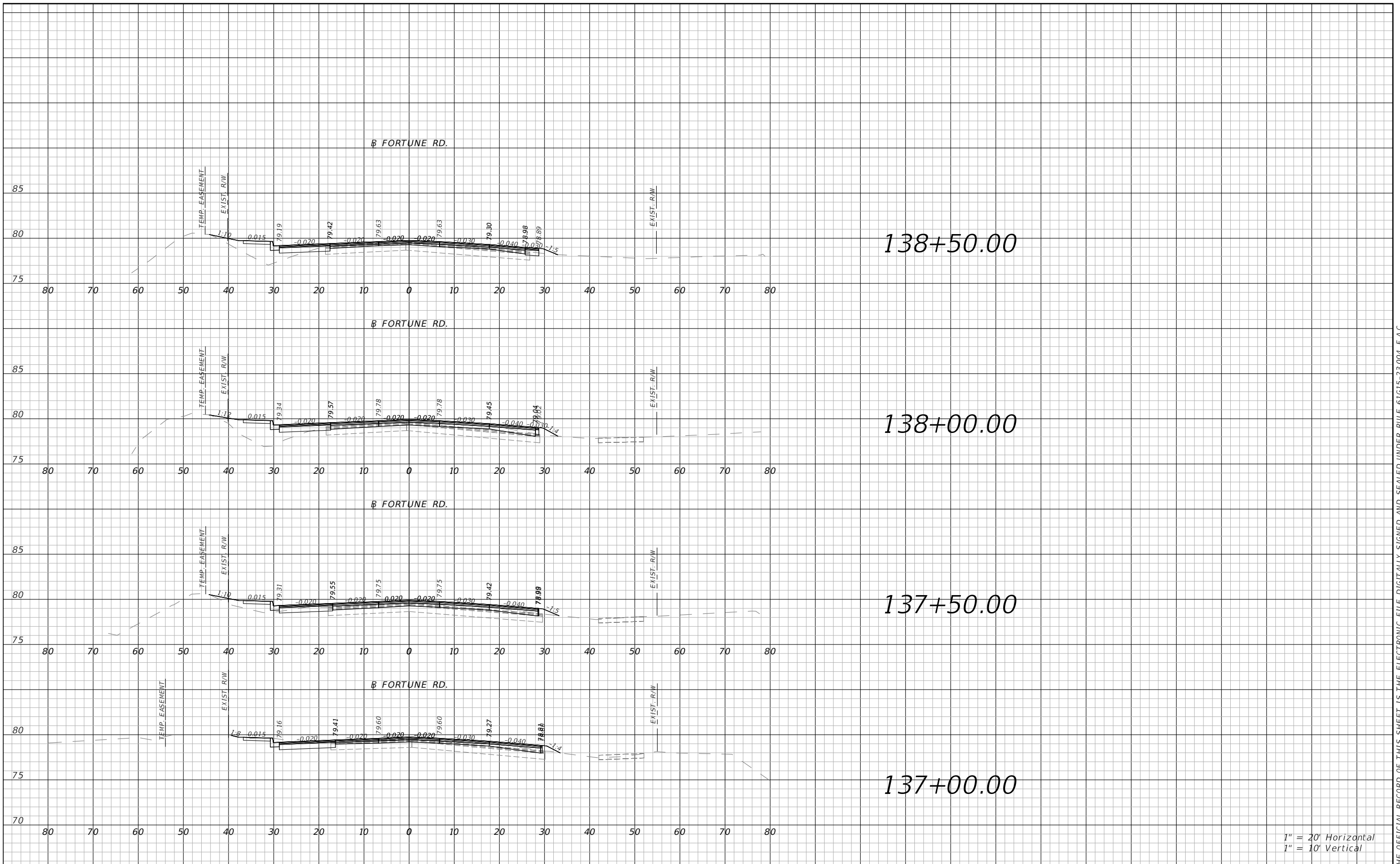


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FLORIDA

FORTUNE RD CROSS SECTION  
SHEET 15

SHEET NO.  
135

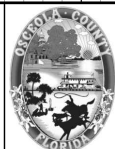
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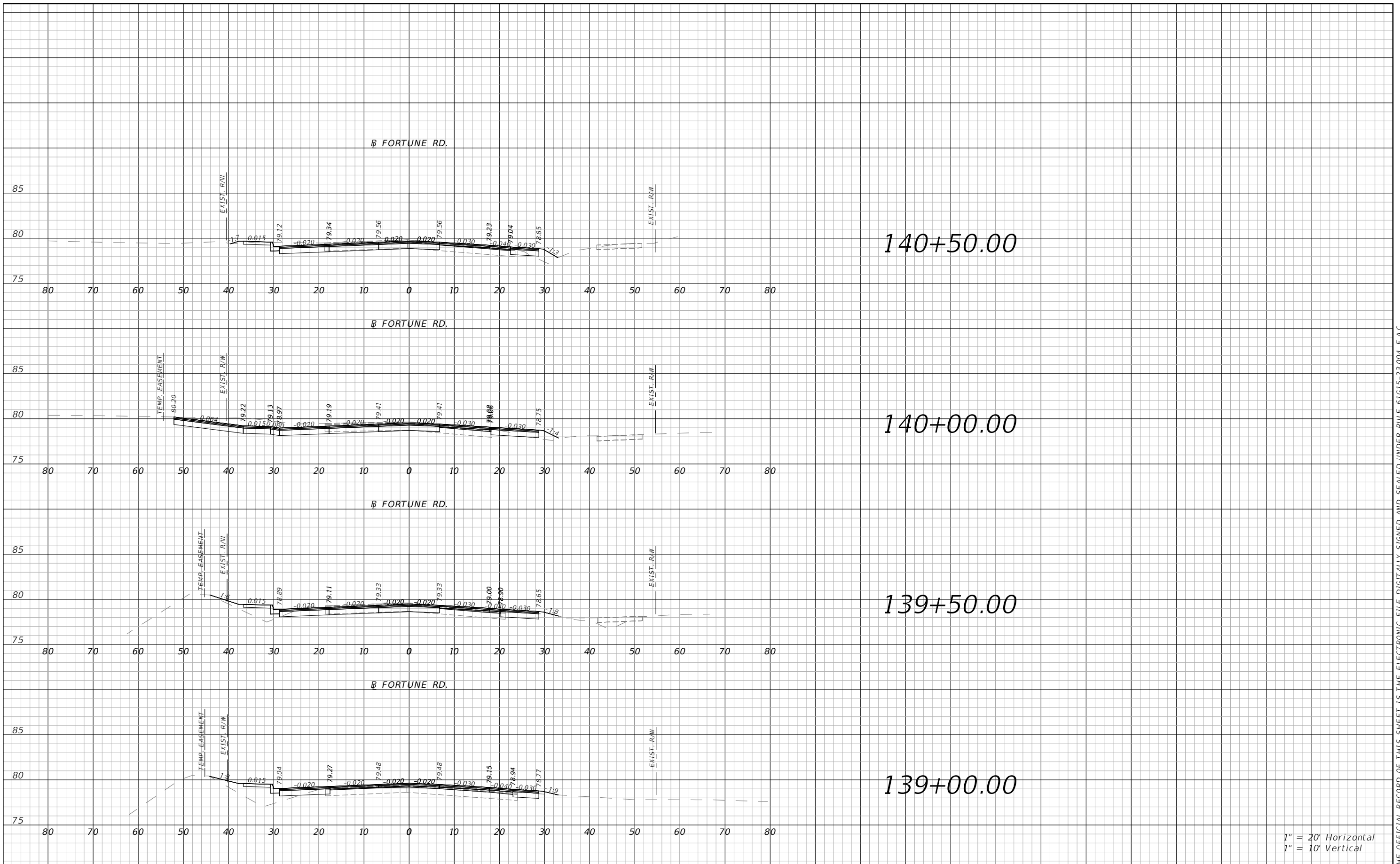


OSCEOLA COUNTY  
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FORTUNE RD CROSS SECTION  
SHEET 16

SHEET NO.  
136

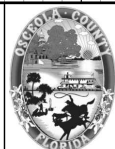
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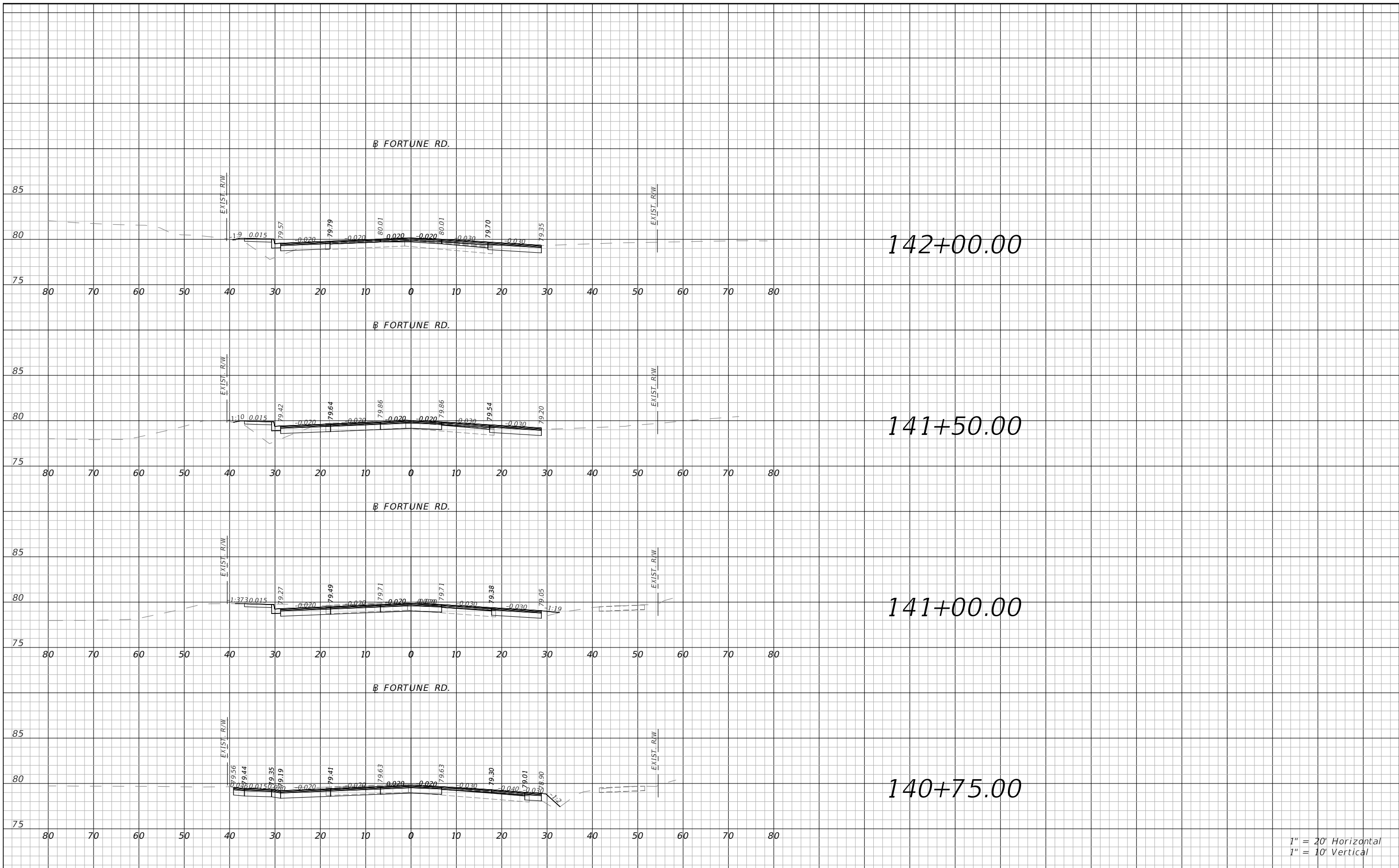


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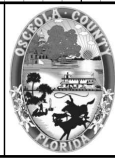


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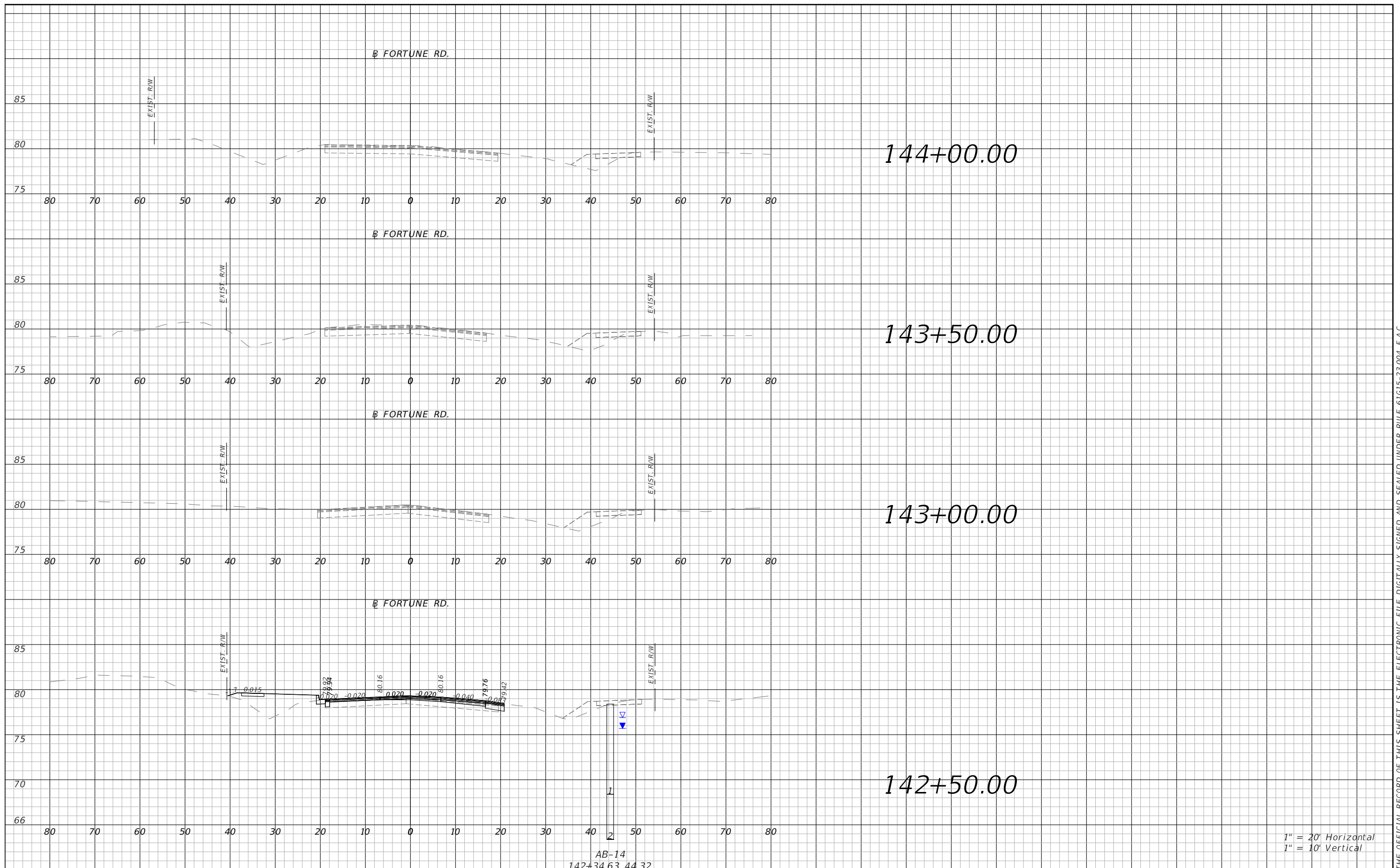


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SHEET 18

SHEET NO.  
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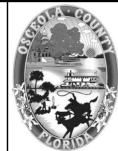
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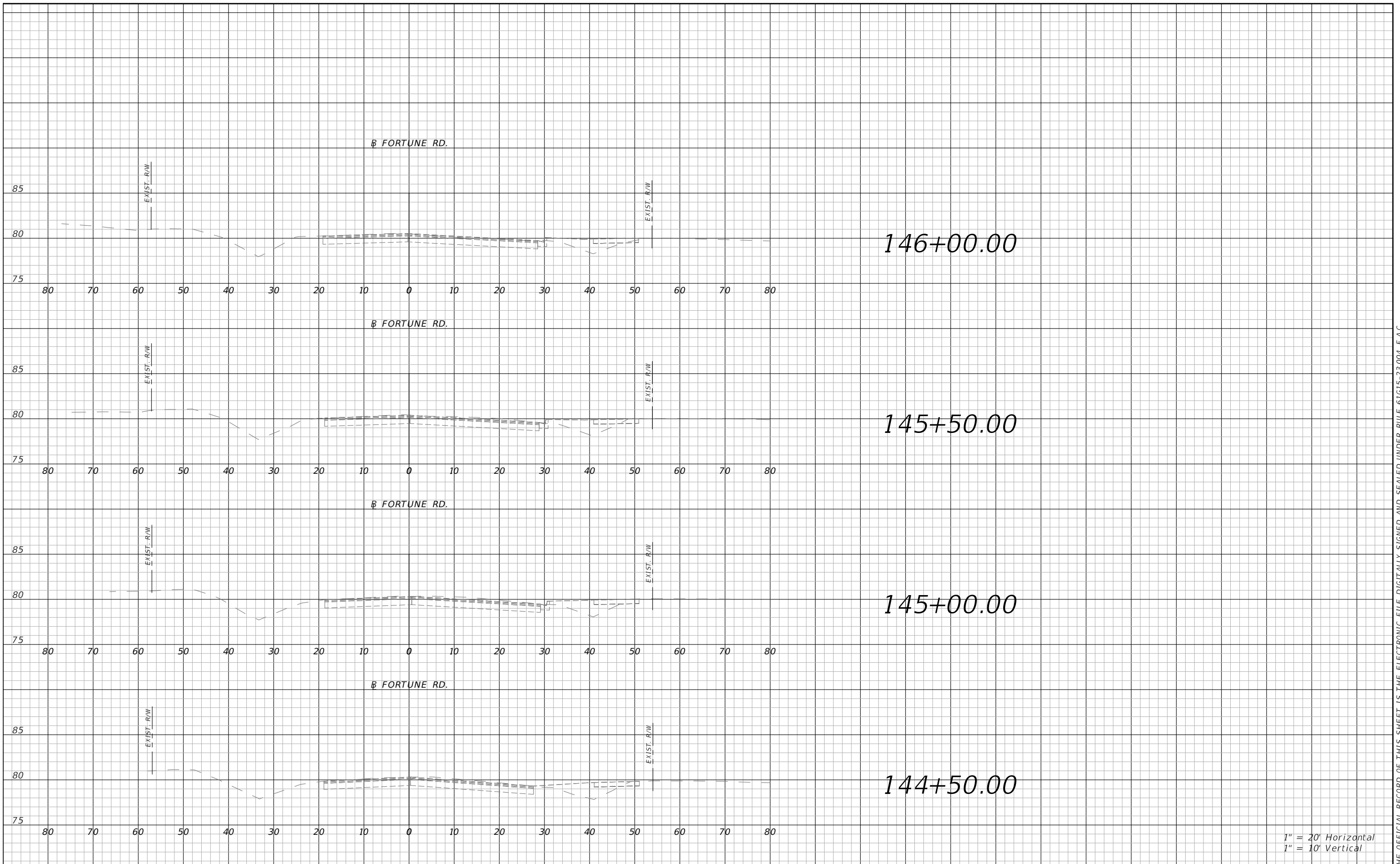
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FORTUNE RD CROSS SECTION  
SHEET 19

SHEET NO.

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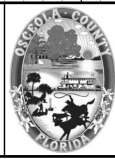


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*FORTUNE RD CROSS SECTION*  
*SHEET 20*

SHEET NO.  
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1.0 SITE DESCRIPTION:

1.A. NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT INVOLVES THE WIDENING AND RECONSTRUCTION OF BOTH SIMPSON ROAD AND FORTUNE ROAD TO A MAJOR URBAN ROADWAY. THIS INVOLVES CONSTRUCTING ROADWAY SURFACE, CURB AND GUTTER, SIDEWALK, UNDERGROUND STORM DRAIN SYSTEMS, AND A STORMWATER MANAGEMENT FACILITY. THE PROJECT LIMITS ALONG FORTUNE ROAD ARE FROM LAKESIDE DRIVE TO MARCELINA COURT, A DISTANCE OF APPROXIMATELY 0.6 MILES. THE PROJECT LIMITS ALONG SIMPSON ROAD ARE FROM HARBOR TOWN DRIVE TO WINNERS CIRCLE, A DISTANCE OF APPROXIMATELY 0.6 MILES.

1.B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS A SEQUENCE IS PROPOSED 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. 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 THE STORM DRAIN PIPE IN THE UPSTREAM DIRECTION.
4. EARTHWORK ASSOCIATED WITH THE CONSTRUCTION OF ROADWAY, GRAVITY WALL, CURB, SUBGRADE, BASE, PAVEMENT, AND SIDEWALK.

1.A. AREA ESTIMATES:

TOTAL SITE AREA: 28.84 ACRES  
 TOTAL AREA TO BE DISTURBED: 28.84 ACRES

1.B. RUNOFF DATA:

RUNOFF COEFFICIENTS:

BEFORE: 0.57  
 DURING: VARIES FROM 0.57 TO 0.64  
 AFTER: 0.64

1.C. SOILS DATA: THE RESULTS OF THE SOIL BORINGS ALONG THE PROJECT ARE SHOWN IN THE ROADWAY SOIL SURVEY SHEET(S). IN GENERAL, THE SOILS ARE CLAYEY SANDS.

1.D. OUTFALL INFORMATION:

THERE ARE 2 OUTFALLS.

#1 DESCRIPTION: EXISTING BASS SLOUGH CANAL (BASS SLOUGH BASIN)

LOCATION: LATITUDE 28° 18' 15" N, LONGITUDE 81° 21' 31" W  
 EST. DRAINAGE AREA SIZE: 26.74 ACRES  
 RECEIVING WATER NAME: LAKE TOHOPEKALIGA.

#2 DESCRIPTION: EXISTING UNNAMED DITCH AT STA. 136+80.00 (OX DITCH POND BASIN)

LOCATION: LATITUDE 28° 18' 15" N, LONGITUDE 81° 20' 49" W  
 EST. DRAINAGE AREA SIZE: 2.10 ACRES  
 RECEIVING WATER NAME: EAST LAKE TOHOPEKALIGA

1.E. SITE MAP:

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR THE PLAN SHEETS REFERENCED ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS.

- \* DRAINAGE PATTERNS: THE DRAINAGE BASIN DIVIDES AND FLOW DIRECTIONS ARE SHOWN ON THE DRAINAGE MAPS.
- \* APPROXIMATE SLOPES: THE SLOPES OF THE SITE CAN BE SEEN IN THE CROSS SECTION SHEETS AND THE PLAN-PROFILE SHEETS. THERE ARE ALSO POND CROSS SECTIONS PROVIDED.
- \* AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE INDICATED ON THE PLAN-PROFILE SHEETS, THE CROSS SECTION SHEETS, AND THE POND CROSS SECTION SHEETS. ANY AREAS WHERE PERMANENT FEATURES ARE SHOWN TO BE CONSTRUCTED ABOVE OR BELOW GROUND WILL BE DISTURBED.
- \* AREAS NOT TO BE DISTURBED: ESSENTIALLY THE WHOLE PROJECT WILL BE DISTURBED DURING CONSTRUCTION.
- \* LOCATIONS OF TEMPORARY CONTROLS: THESE ARE SHOWN ON THE PLAN-PROFILE SHEETS.
- \* LOCATIONS OF PERMANENT CONTROLS: THE STORMWATER POND IS THE PRIMARY PERMANENT STORMWATER MANAGEMENT CONTROL. IT IS SHOWN ON THE POND DETAIL SHEET AND POND CROSS SECTIONS.
- \* AREAS TO BE STABILIZED: TEMPORARY STABILIZATION PRACTICES ARE SHOWN IN THE SAME LOCATION AS THE TEMPORARY CONTROLS MENTIONED ABOVE. PERMANENT STABILIZATION IS SHOWN ON THE TYPICAL SECTION SHEETS,

THE PLAN-PROFILE SHEETS AND THE POND DETAIL SHEETS.

- \* SURFACE WATERS: THE ONLY SURFACE WATER WITHIN THE SITE IS THE EAST DITCH, WHICH FLOWS THROUGH THE CULVERT AT STATION 531+00. THIS IS LOCATED ON THE PLAN-PROFILE SHEETS AND THE BOX CULVERT CONSTRUCTION DETAIL SHEET.
- \* DISCHARGE POINTS TO SURFACE WATERS: THERE IS ONLY ONE. THIS IS SHOWN ON THE PLAN-PROFILE SHEETS AT THE EAST DITCH (CULVERT AT STATION 531+00).

1.F. RECEIVING WATERS:

SEE ITEM 1.D. FOR THE OUTFALL LOCATION AND RECEIVING WATER NAMES. THERE ARE NO WETLAND AREAS ON THE PROJECT SITE.

2.0 CONTROLS:

2.A. EROSION AND SEDIMENT CONTROLS:

IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES BASED ON THE CONTRACTOR'S PROPOSED TEMPORARY TRAFFIC CONTROL (TTC) PLAN. THE FOLLOWING RECOMMENDED GUIDELINES ARE BASED ON THE TEMPORARY TRAFFIC CONTROL PLAN OUTLINED IN THE CONSTRUCTION PLANS. WHERE FOLLOWING THE TEMPORARY TRAFFIC CONTROL PLAN OUTLINED IN THESE CONSTRUCTION PLANS, THE CONTRACTOR MAY CHOSE TO ACCEPT THE FOLLOWING GUIDELINES OR MODIFY THEM IN THE SEDIMENT AND EROSION CONTROL PLAN, SUBJECT TO APPROVAL BY THE ENGINEER. AS WORK PROGRESSES, MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATION, CHANGES IN CONSTRUCTION ACTIVITIES, AND THE NEED FOR BETTER PRACTICES.

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.

2.A.1 STABILIZATION PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

TEMPORARY:

- \* ARTIFICIAL COVERINGS IN ACCORDANCE WITH SPECIFICATION SECTION 104.
- \* TURF AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104.

PERMANENT:

- \* ASPHALT OR CONCRETE SURFACE.
- \* SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570.

2.A.2 STRUCTURAL PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

TEMPORARY:

- \* SEDIMENT BARRIERS IN ACCORDANCE WITH DESIGN STANDARD 102 AND SPECIFICATION SECTION 104.
- \* INLET PROTECTION IN ACCORDANCE WITH DESIGN STANDARD 102 AND SPECIAL DETAILS SHOWN IN THE TTC PLAN.
- \* SEDIMENT CONTAINMENT SYSTEM: THE PERMANENT STORMWATER POND WILL BE TEMPORARILY MODIFIED ACCORDING TO THE DETAILS IN THE TTC PLAN.

PERMANENT:

- \* STORMWATER PONDS.
- \* SOD.

2.B STORMWATER MANAGEMENT:

SEVERAL STORM DRAIN SYSTEMS WILL BE CONSTRUCTED TO CONVEY RUNOFF TO ONE (1) STORMWATER DETENTION POND. THE FACILITIES HAVE BEEN PERMITTED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) AND THE COUNTY OF OSCEOLA AND COMPLY WITH APPLICABLE STANDARD PLANS.

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 PE # 50682



OSCEOLA COUNTY  
 FLORIDA

STORMWATER  
 POLLUTION  
 PREVENTION PLAN 1

SHEET  
 NO.

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2.C OTHER CONTROLS:

2.C.1 WASTE DISPOSAL:

IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

- \* PROVIDING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES.
- \* DISPOSING OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.
- \* DISPOSING OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE BUT NOT IN SURFACE WATERS, OR WETLANDS.

2.C.2 OFF-SITE VEHICLE TRACKING & DUST CONTROL:

IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. INCLUDE IN THE PROPOSED METHODS AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

- \* COVERING LOADED HAUL TRUCKS WITH TARPULINS.
- \* REMOVING EXCESS DIRT FROM ROADS DAILY.
- \* STABILIZING CONSTRUCTION ENTRANCES ACCORDING TO DESIGN STANDARD 106.
- \* USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND MILLING OPERATIONS.

2.C.3 STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS:

IN THE SECTION 104 EROSION CONTROL PLAN, DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, AND SANITARY SEWER OR SEPTIC SYSTEMS.

2.C.4 FERTILIZERS AND PESTICIDES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE SUBSECTIONS OF SECTION 570 OF THE SPECIFICATIONS.

2.C.5 TOXIC SUBSTANCES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.

2.D.4 APPROVED STATE AND LOCAL PLANS AND PERMITS:

- \* FDEP RULE CHAPTER 62-25 F.A.C.
- \* CITY OF NARCOOSSEE ENVIRONMENTAL MANAGEMENT ORDINANCE NUMBER 90-0-0044AA.

3.0 MAINTENANCE:

IN THE SEDIMENT AND EROSION CONTROL PLAN, PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM, COMPLY WITH THE FOLLOWING:

- \* SILT FENCE: MAINTAIN PER SECTION 104. ANTICIPATE REPLACING SILT FENCE ON 12-MONTH INTERVALS.
- \* SEDIMENT BARRIERS: REMOVE SEDIMENT AS PER MANUFACTURER'S RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.
- \* PONDS ONE AND TWO: THE PONDS ARE TEMPORARY SEDIMENT BASINS UNTIL THE AREAS THAT DRAIN TO THEM ARE STABILIZED, SO UNTIL THEN, REMOVE SEDIMENT FROM THE POND WHEN IT BECOMES 1.5' DEEP AT ANY POINT.

4.0 INSPECTIONS:

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER.

TO COMPLY, INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, CONDUCT INSPECTION AT LEAST ONCE EVERY MONTH. ALSO, INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.

- \* POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES.
- \* POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM DRAIN SYSTEMS.
- \* DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
- \* AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
- \* STRUCTURAL CONTROLS.
- \* STORMWATER MANAGEMENT SYSTEMS.
- \* LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

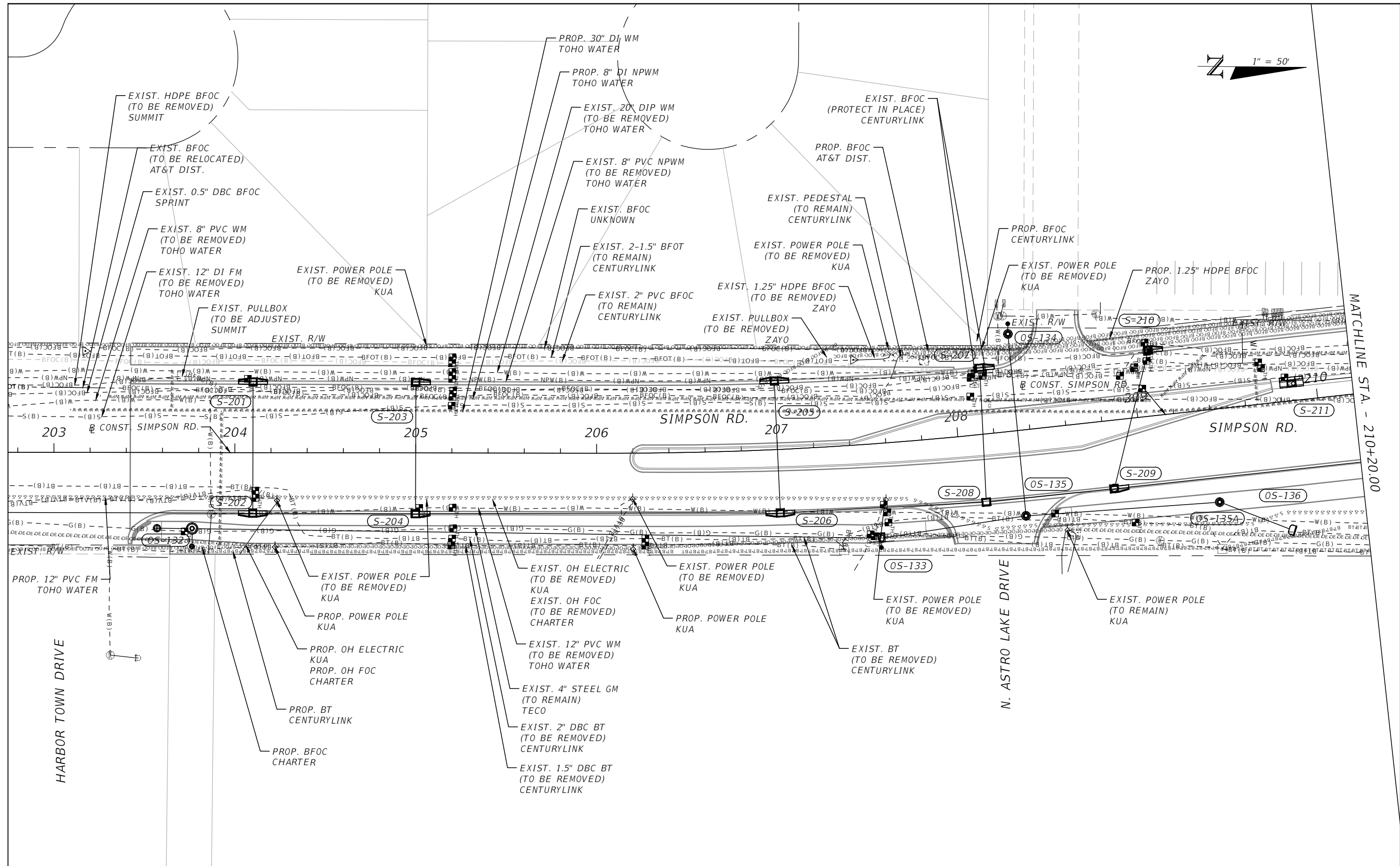
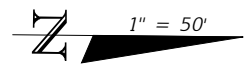
INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.

IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.

5.0 NON-STORMWATER DISCHARGES:

IN THE SECTION 104 EROSION CONTROL PLAN, IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES. IF THE CONTRACTOR ENCOUNTERS CONTAMINATED SOIL OR GROUNDWATER, CONTACT THE COUNTY ENGINEER.

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DATE	DESCRIPTION	DATE	DESCRIPTION				142



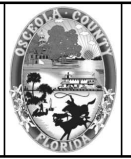
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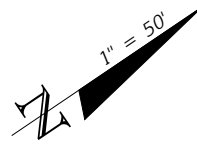
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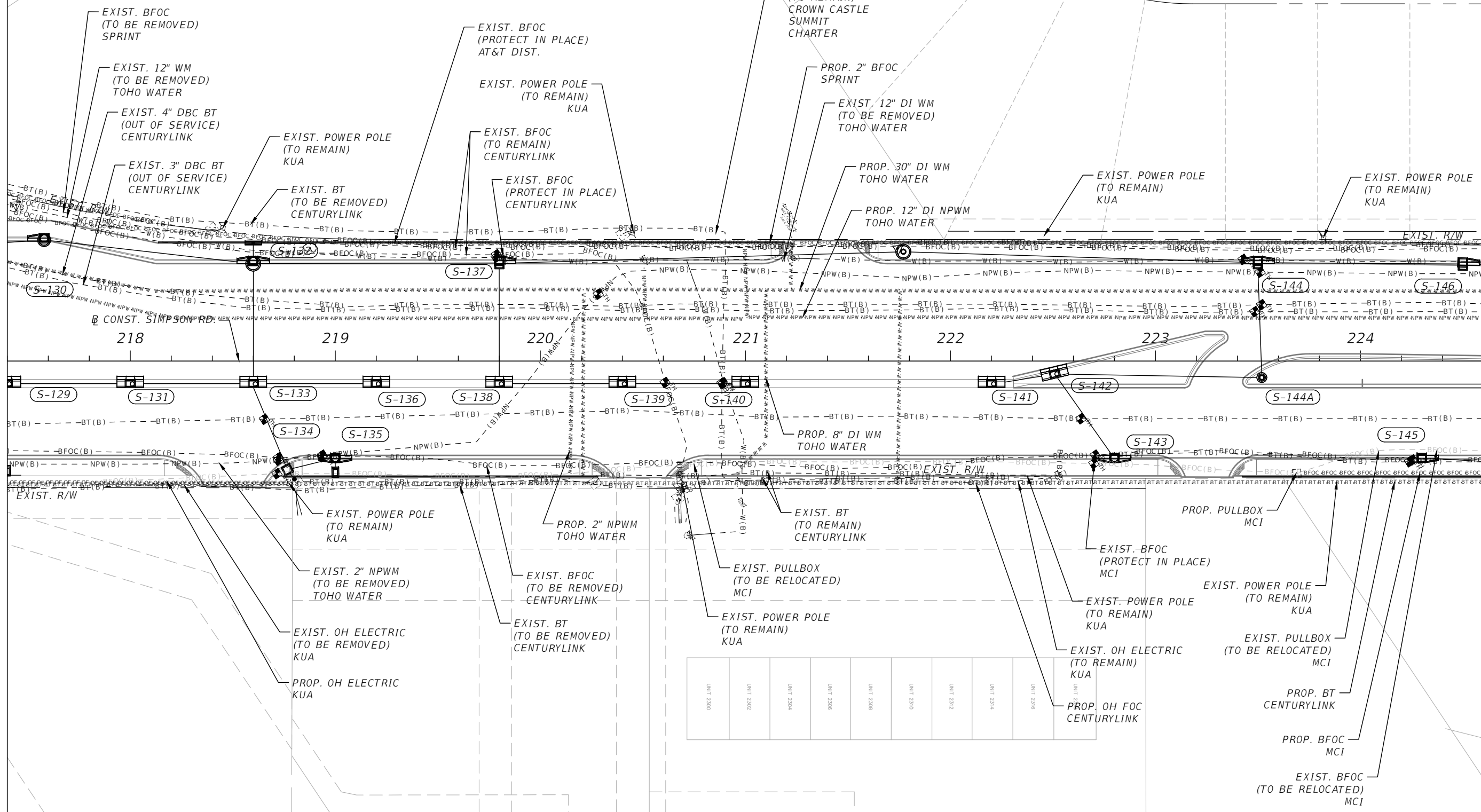






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MATCHLINE STA. - 224+60.00



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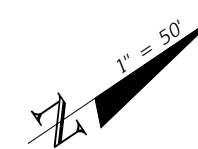


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**SIMPSON RD UTILITY  
ADJUSTMENT SHEET 3**

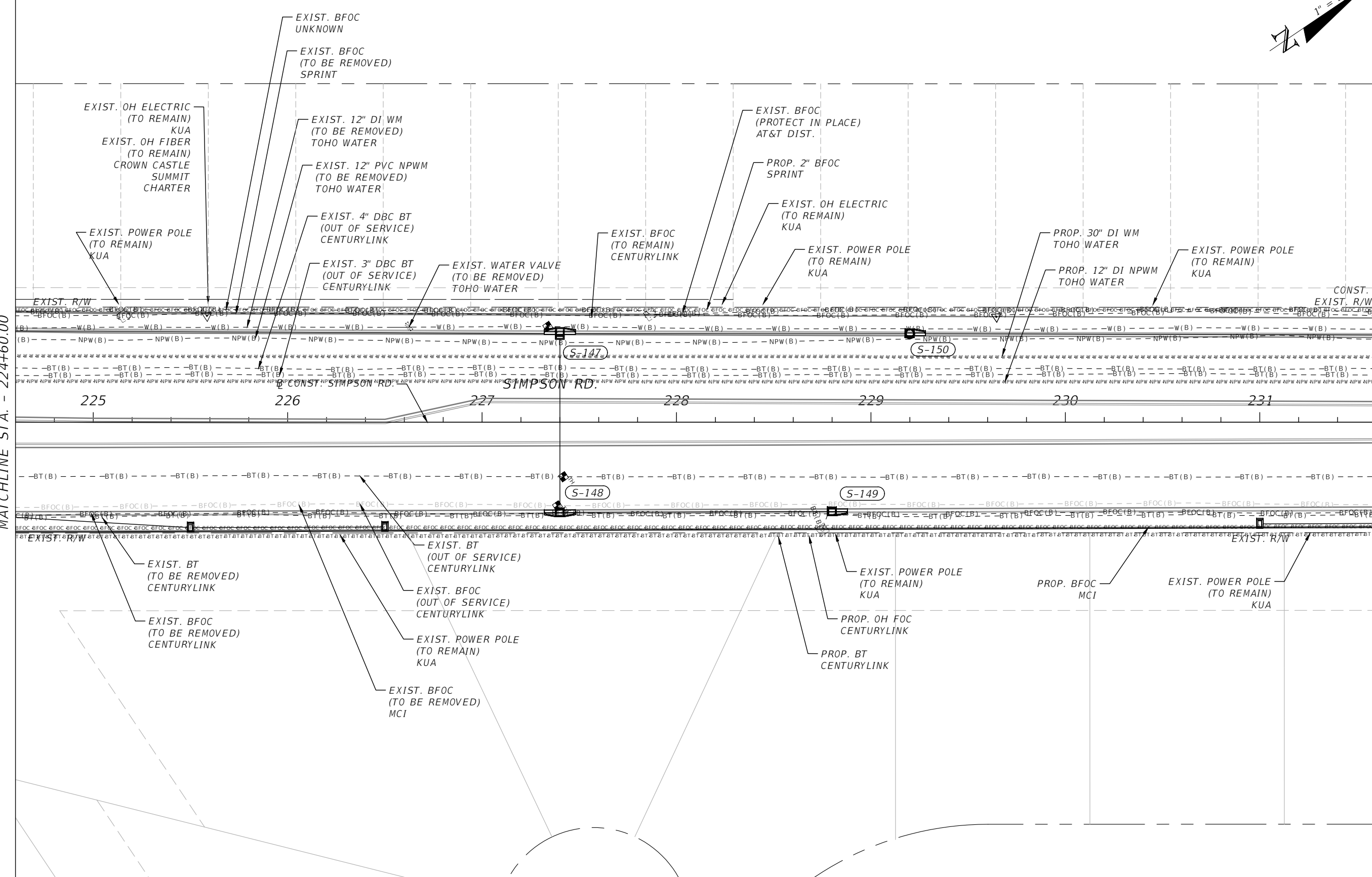
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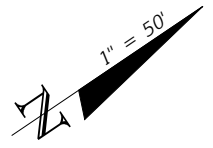


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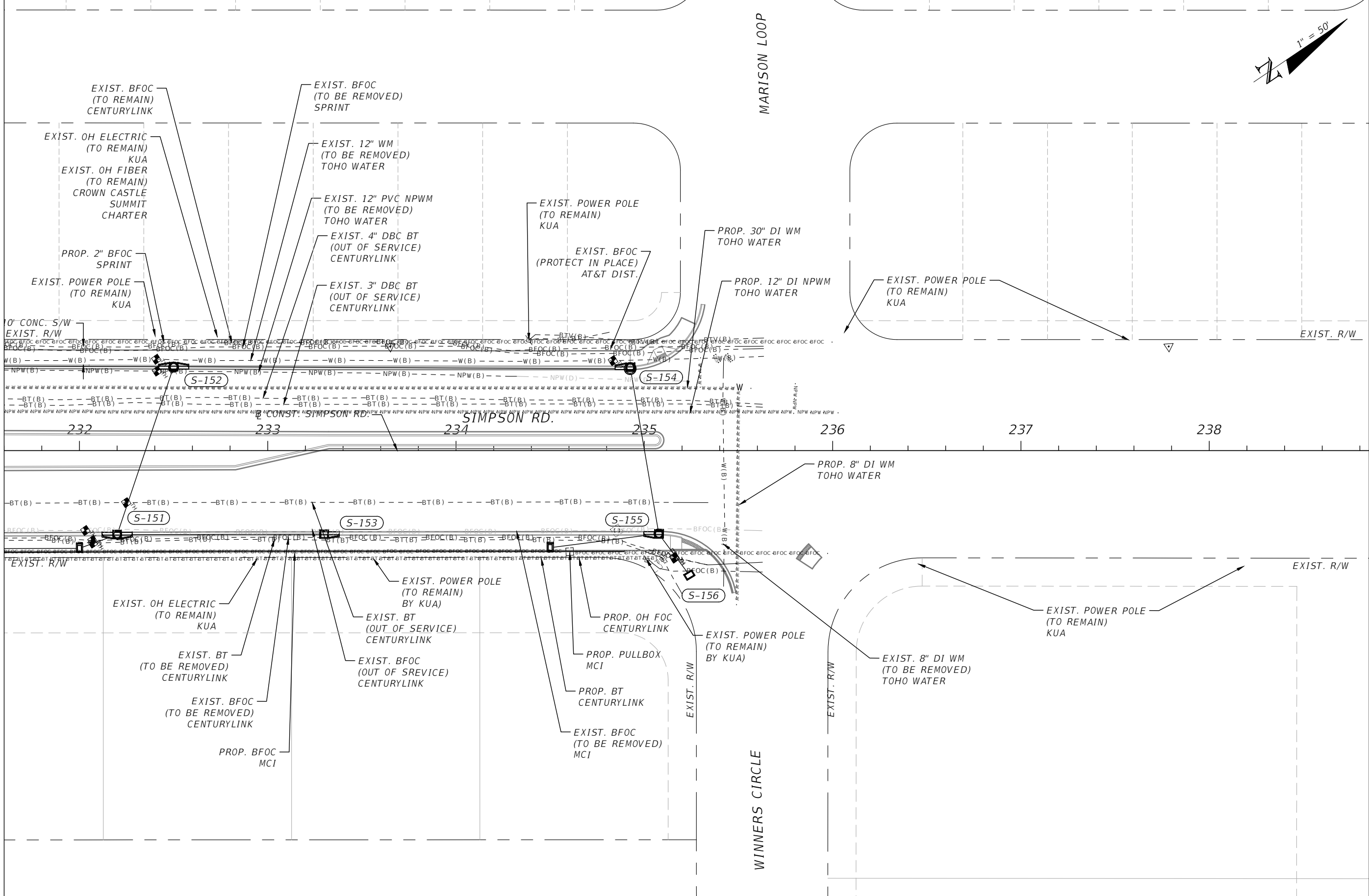
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**SIMPSON RD UTILITY  
ADJUSTMENT SHEET 5**

SHEET NO.  
147



EXIST. R/W

EXIST. R/W

101+00

102+00

103+00

104+00

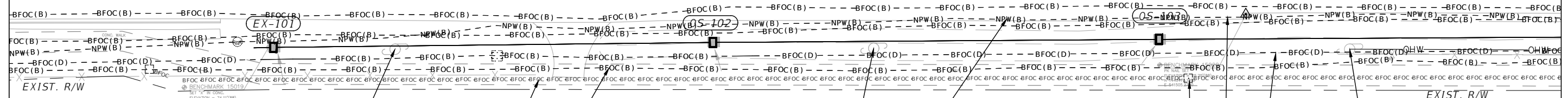
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FORTUNE RD.

CONST. FORTUNE RD.



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Certificate of Authorization # 3932  
Mark F. Bertocini, P.E.  
PE # 63437



OSCEOLA COUNTY  
FLORIDA

**FORTUNE RD UTILITY  
ADJUSTMENT SHEET 1**

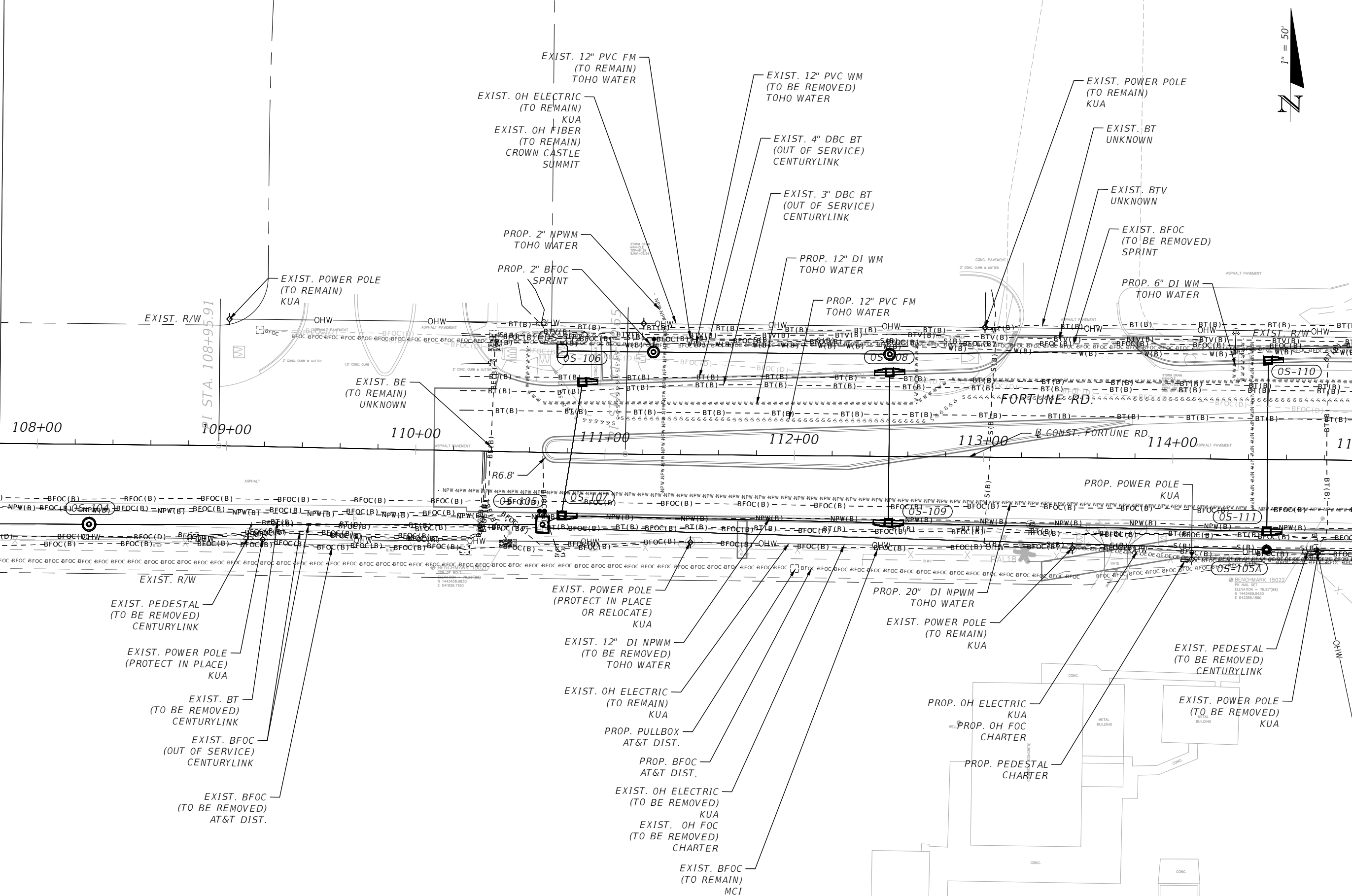
SHEET  
NO.  
**148**





MATCHLINE STA. - 107+80.00

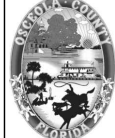
MATCHLINE STA. - 115+00.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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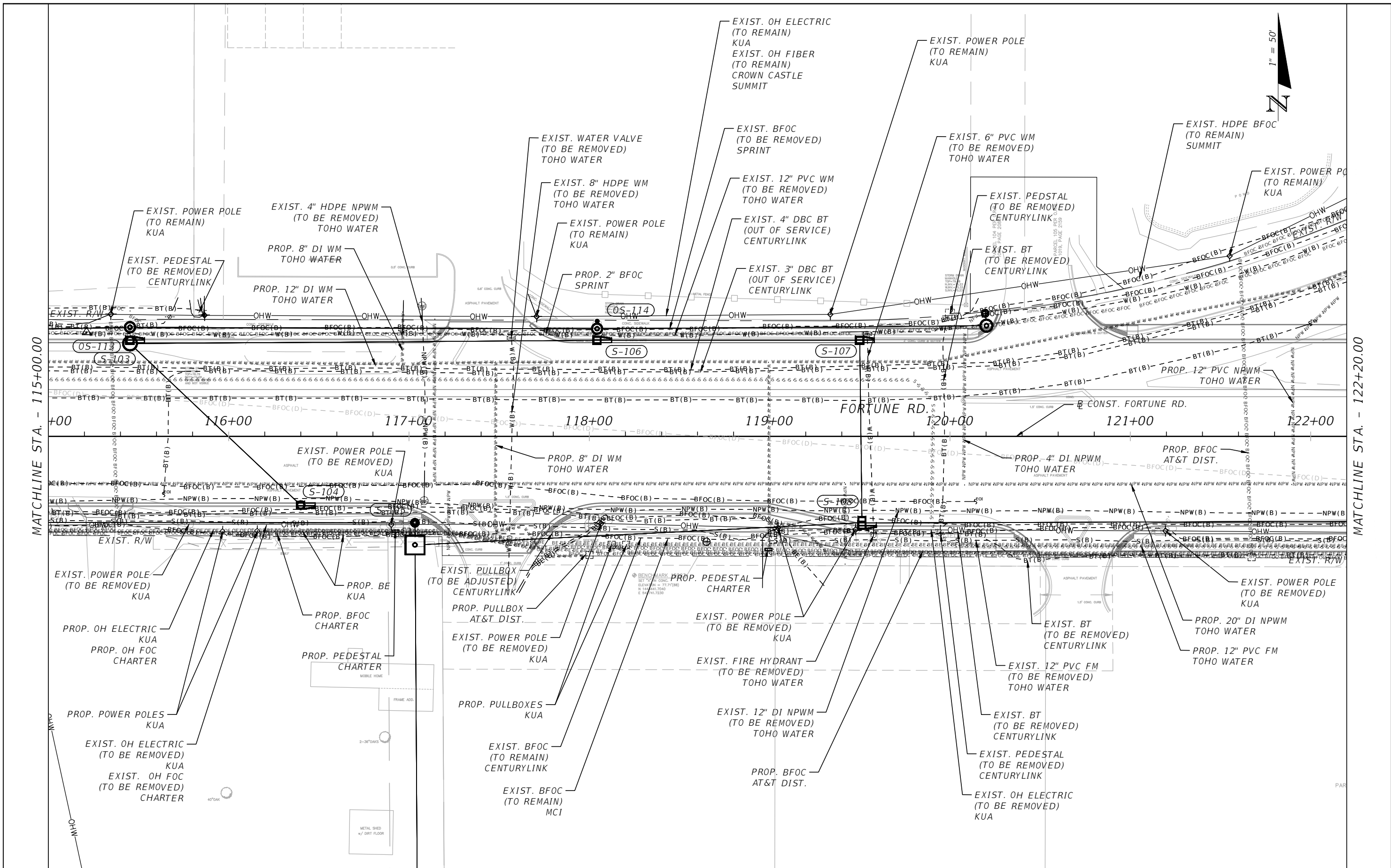
OSCEOLA COUNTY  
FLORIDA

**FORTUNE RD UTILITY  
ADJUSTMENT SHEET 2**

SHEET  
NO.  
**149**

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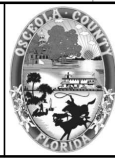


MATCHLINE STA. - 115+00.00

MATCHLINE STA. - 122+20.00

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OSCEOLA COUNTY  
 FLORIDA

**FORTUNE RD UTILITY  
 ADJUSTMENT SHEET 3**

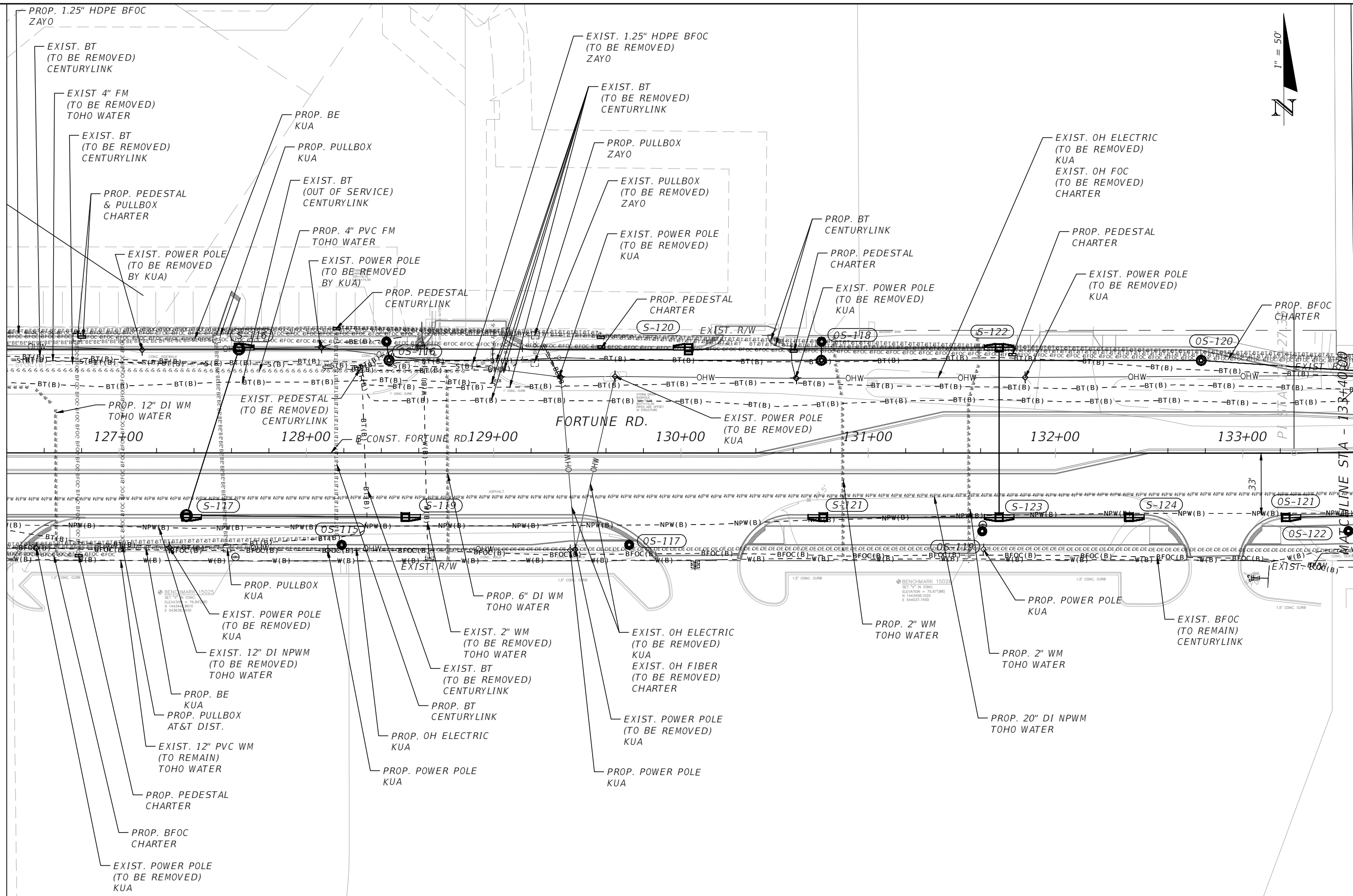
SHEET  
 NO.  
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MATCHLINE STA. - 126+40.00

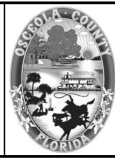
MATCHLINE STA. - 133+60.00



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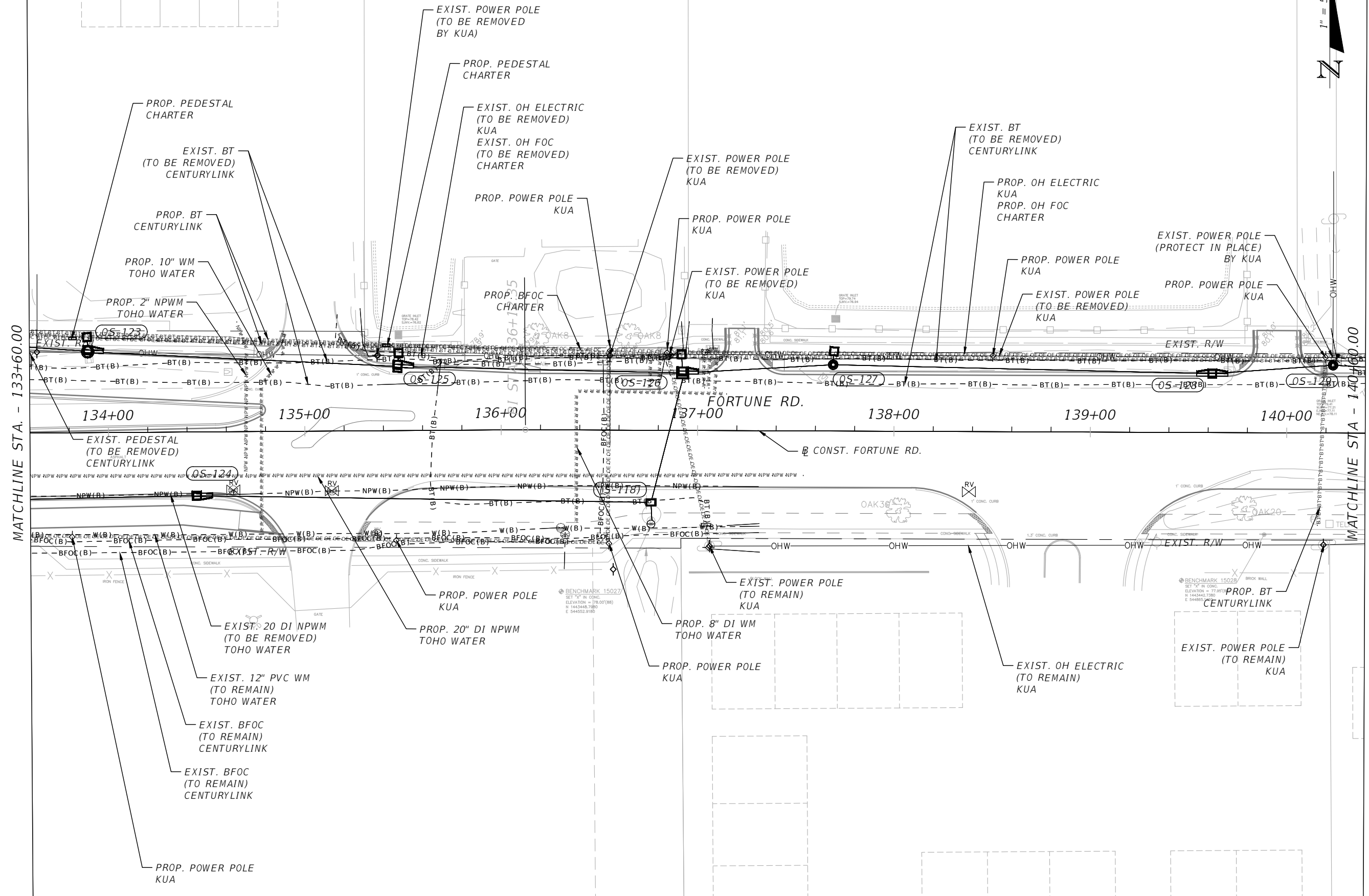
OSCEOLA COUNTY  
FLORIDA

**FORTUNE RD UTILITY  
ADJUSTMENT SHEET 4**

SHEET  
NO.  
**151**

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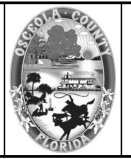
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MATCHLINE STA. - 140+40.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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FLORIDA

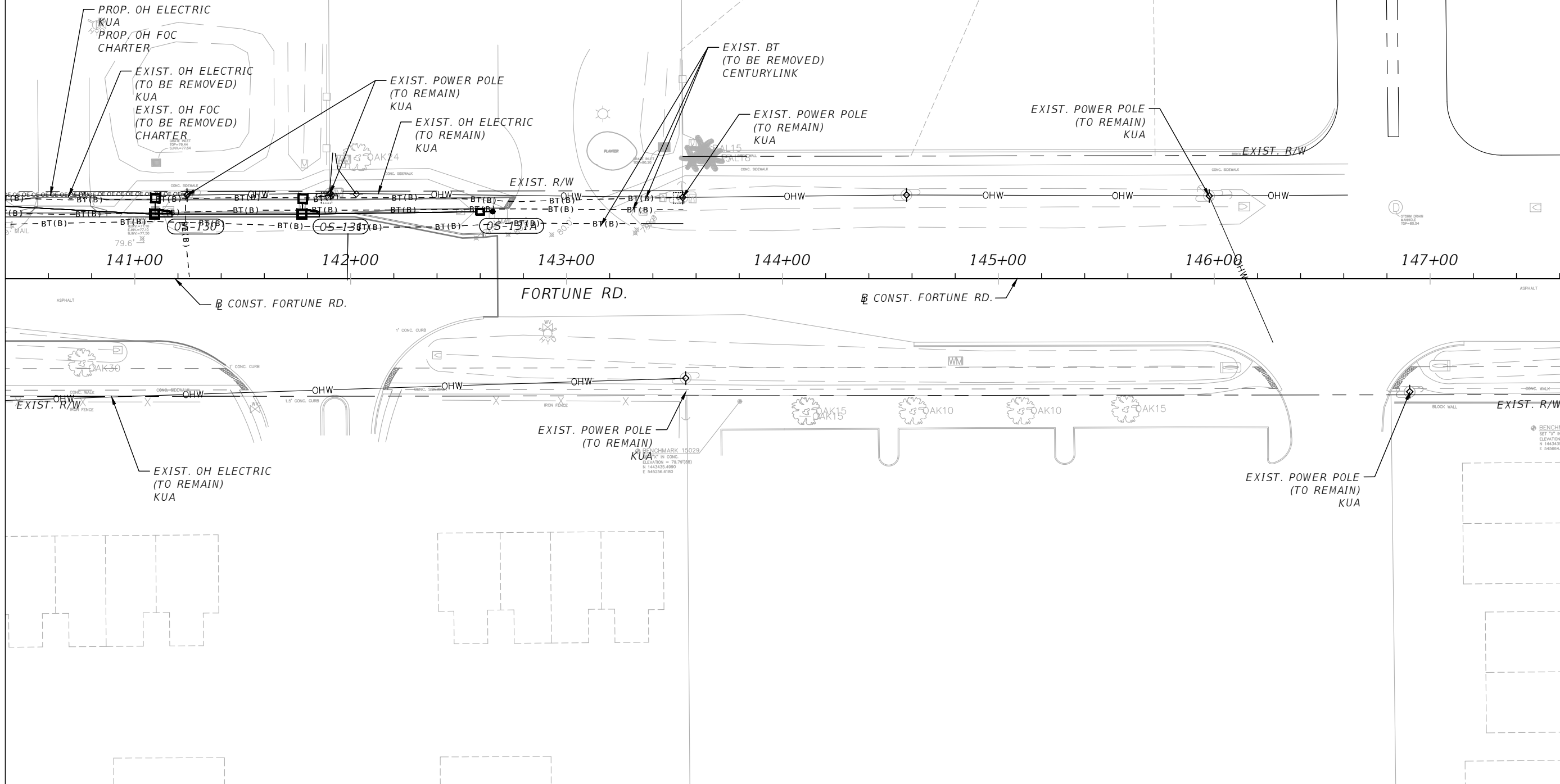
**FORTUNE RD UTILITY  
ADJUSTMENT SHEET 5**

SHEET  
NO.  
**152**

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**FORTUNE RD UTILITY  
ADJUSTMENT SHEET 6**

SHEET  
NO.  
**153**

TRAFFIC CONTROL NOTES

1. LANE CLOSURE RESTRICTIONS ARE AS FOLLOWS:

SIGNALIZED (w/in 600'): 7AM TO 7PM

WORK SHALL BE PERFORMED WITH MINIMAL LANE CLOSURES. LANE CLOSURES, WHETHER IN RESTRICTED OR NON-RESTRICTED LOCATIONS, SHALL BE REQUESTED IN WRITING AND APPROVED BY THE COUNTY. REQUESTS FOR LANE CLOSURES SHALL BE MADE ONE WEEK PRIOR TO THE LANE CLOSURE NEED AND SHALL INCLUDE THE LOCATION, LENGTH, AND DURATION OF THE CLOSURE. EXCESSIVE LENGTHS AND DURATIONS WILL NOT BE ALLOWED. MULTIPLE CONCURRENT LOCATIONS WILL ALSO REQUIRE APPROVAL.

2. PROVIDE A FLAGGING OPERATION AT DRIVEWAYS AND SIDE STREETS TO GUIDE VEHICLES THROUGH CONSTRUCTION WHEN TRAFFIC CONTROL DEVICES CANNOT BE MAINTAINED SUCH AS DURING PAVING OPERATIONS.
3. MAINTAIN AND KEEP STREET NAME IDENTIFICATION VISIBLE DURING CONSTRUCTION OPERATIONS, IN ORDER TO FACILITATE EMERGENCY VEHICLE TRAFFIC.
4. EXISTING LEFT TURN LANE LOCATIONS SHALL BE MAINTAINED DURING CONSTRUCTION.

TRANSIT SERVICE COORDINATION

START WORK NOTIFICATION

KEITH TILLET	ASSISTANT CHIEF SUPERVISOR	(407) 254-6207	KTILLET@GOLYNX.COM
BRUCE DETWEILER	BUS STOP COORDINATOR	(407) 254-6136	BDETWEILER@GOLYNX.COM
JENNIFER HALL	CONSTRUCTION PROJECT MANAGER	(407) 254-6110	JHALL@GOLYNX.COM


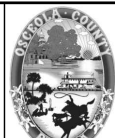
LANE CLOSURE NOTIFICATIONS

KEITH TILLET	ASSISTANT CHIEF SUPERVISOR	(407) 254-6207	KTILLET@GOLYNX.COM
REY QUINONES	CHIEF SUPERVISOR	(407) 254-6223	RQUINONES@GOLYNX.COM
BRUCE DETWEILER	BUS STOP COORDINATOR	(407) 254-6136	BDETWEILER@GOLYNX.COM

BUS SHELTER COORDINATION

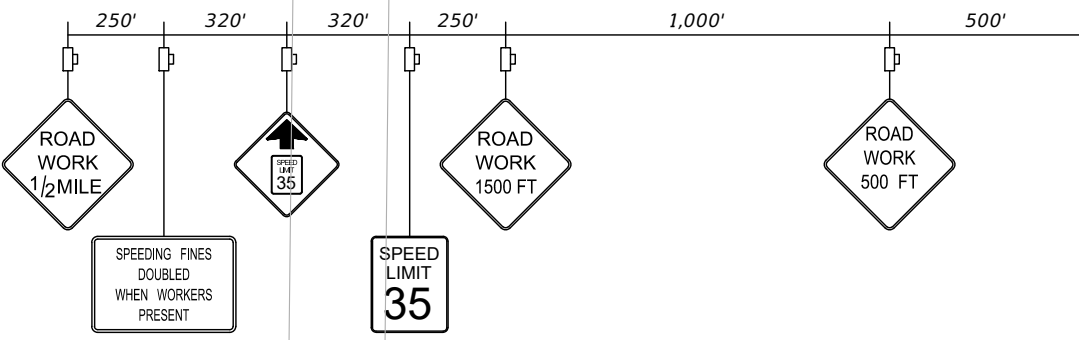
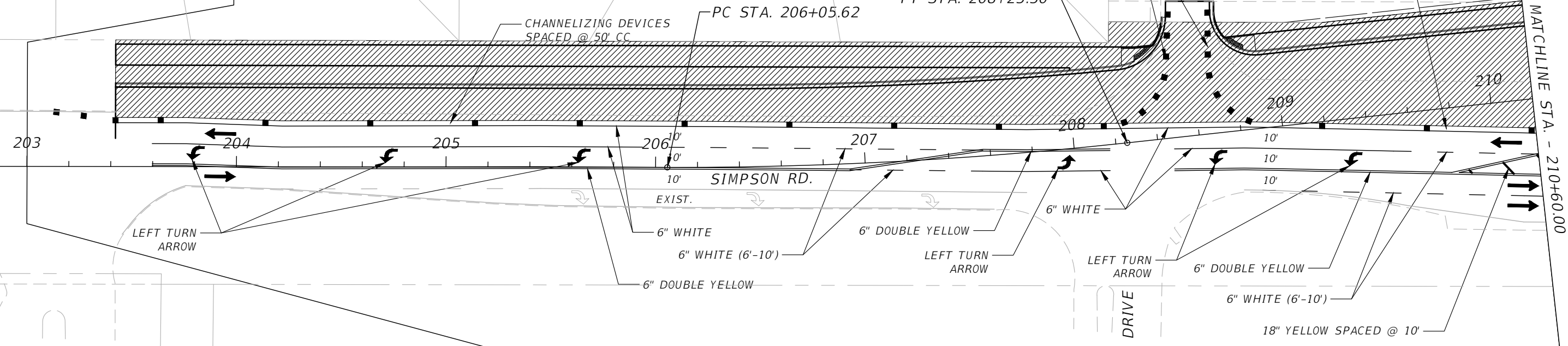
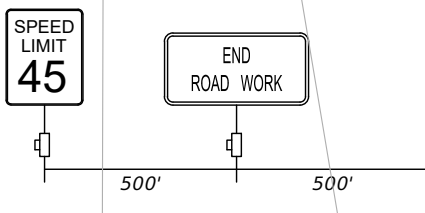
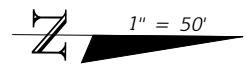
JENNIFER HALL	CONSTRUCTION PROJECT MANAGER	(407) 254-6110	JHALL@GOLYNX.COM
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R E V I S I O N S				 Engineers   Scientists Planners   Designers 225 E. Robinson Street, Suite 300 Orlando, FL 32801 (407)839-4006 Certificate of Authorization # 3932 Mark F. Bertocini, P.E. PE # 63437	 OSCEOLA COUNTY FLORIDA	TRAFFIC CONTROL PLAN GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				154



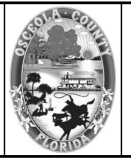
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 THE STATE OF FLORIDA.



- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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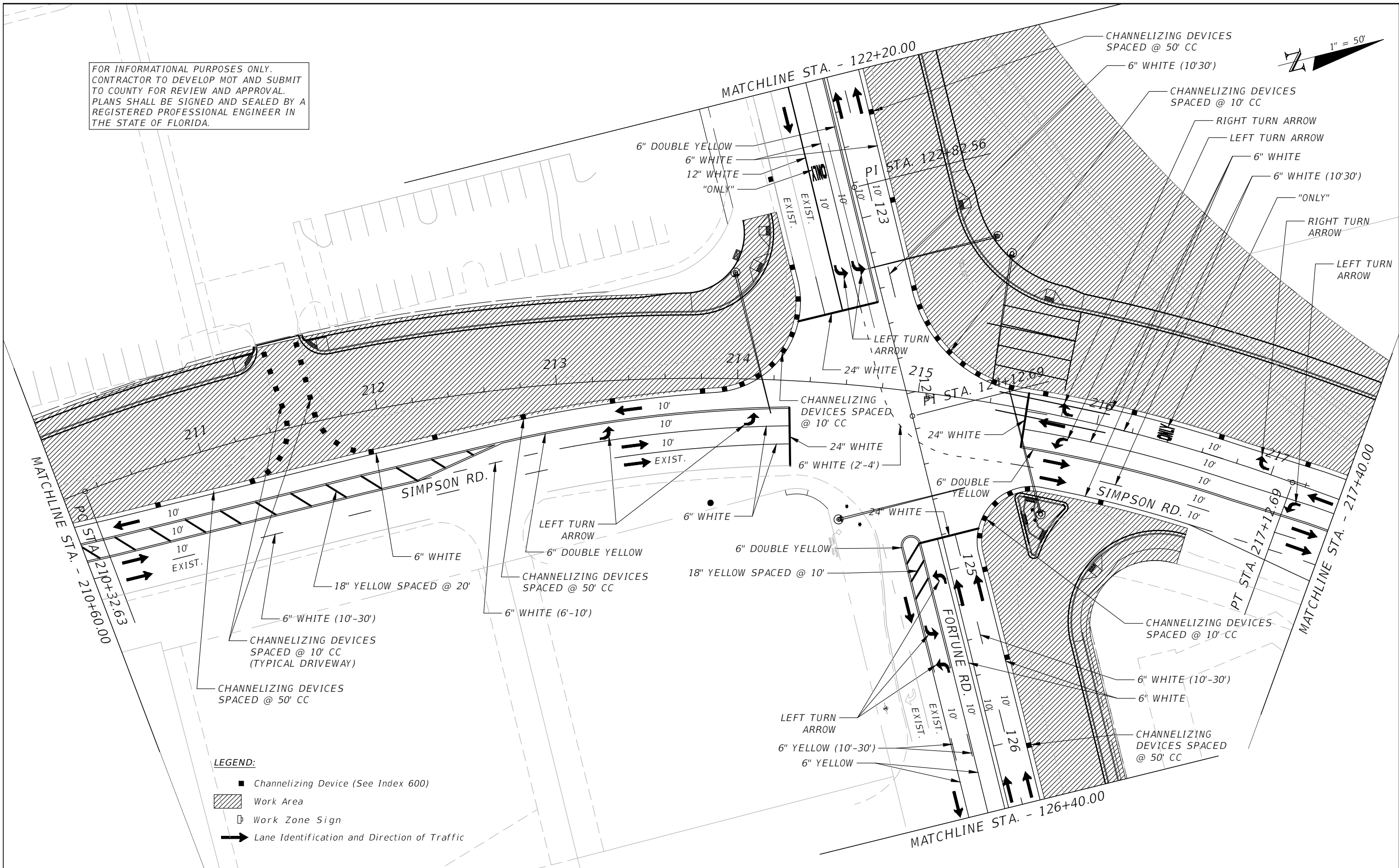
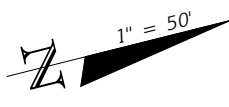
OSCEOLA COUNTY  
 FLORIDA

**TRAFFIC CONTROL PLAN  
 SIMPSON RD PHASE I SHEET 1**

SHEET NO.  
 155

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- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - ⊠ Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 PE # 63437



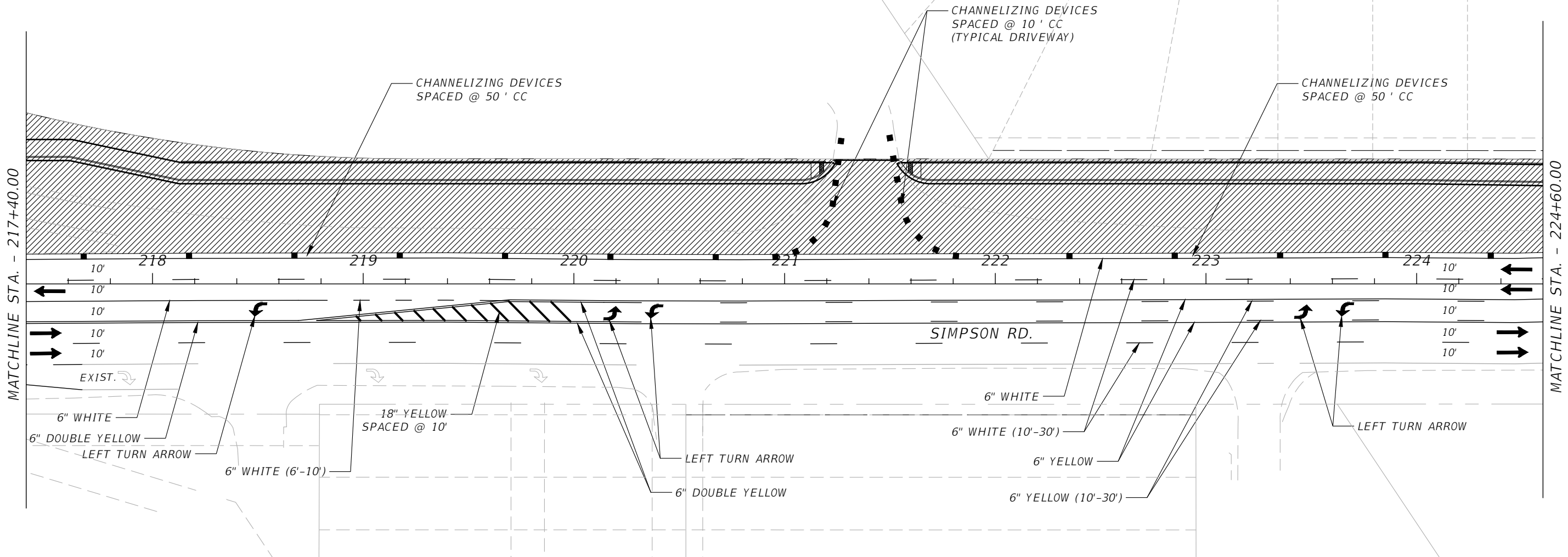
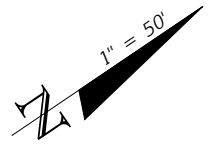
OSCEOLA COUNTY  
 FLORIDA

TRAFFIC CONTROL PLAN  
 SIMPSON RD PHASE I SHEET 2

SHEET NO.  
 156

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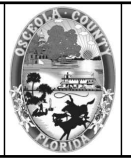


UNIT 2300	UNIT 2302	UNIT 2304	UNIT 2306	UNIT 2308	UNIT 2310	UNIT 2312	UNIT 2314	UNIT 2316	UNIT 2318
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- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - ◻ Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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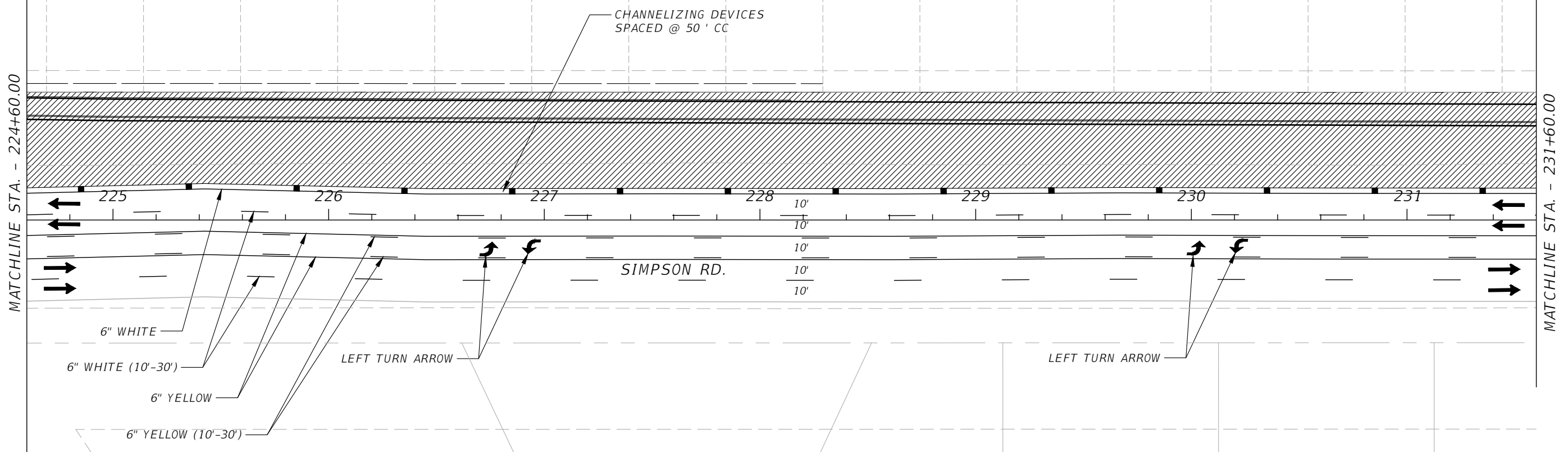
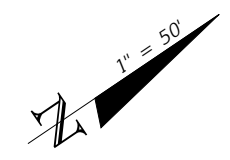
OSCEOLA COUNTY  
 FLORIDA

TRAFFIC CONTROL PLAN  
 SIMPSON RD PHASE I SHEET 3

SHEET NO.  
 157

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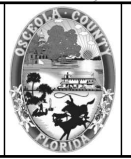


- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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 PE # 63437



OSCEOLA COUNTY  
 FLORIDA

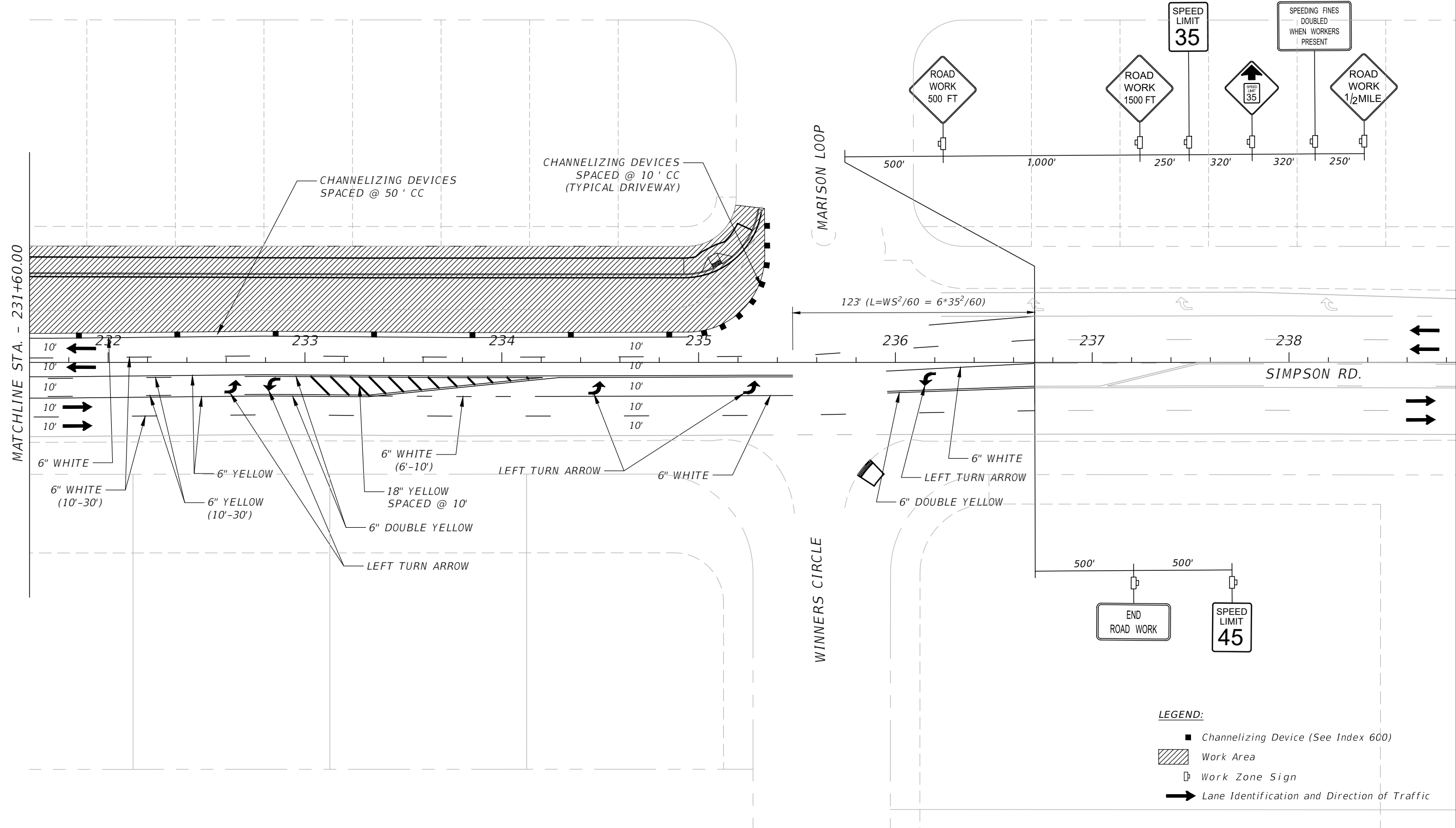
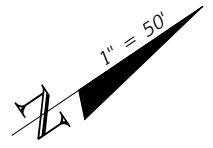
**TRAFFIC CONTROL PLAN  
 SIMPSON RD PHASE I SHEET 4**

SHEET  
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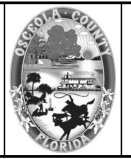
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- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

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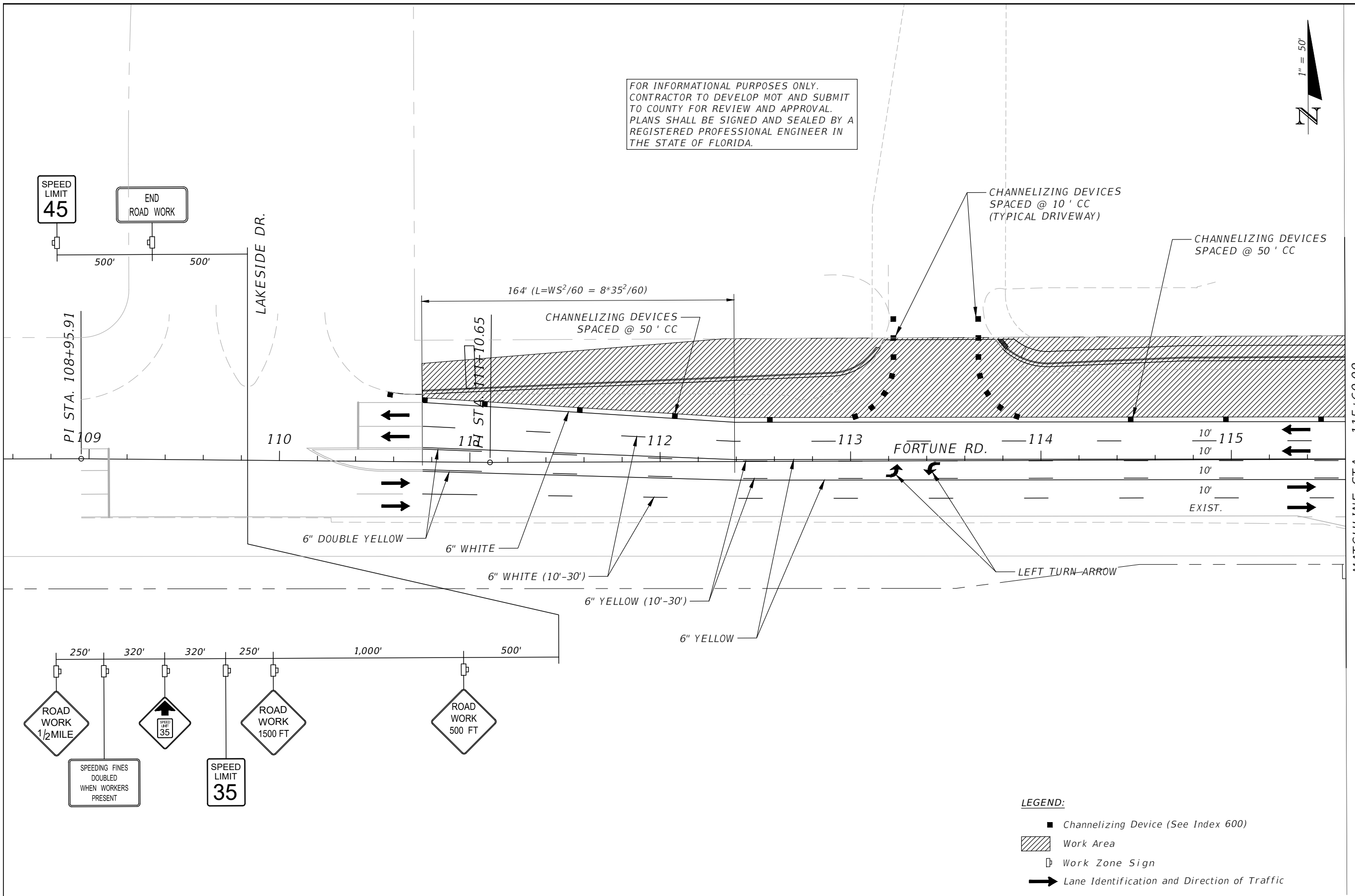
TRAFFIC CONTROL PLAN  
 SIMPSON RD PHASE I SHEET 5

SHEET NO.  
 159

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- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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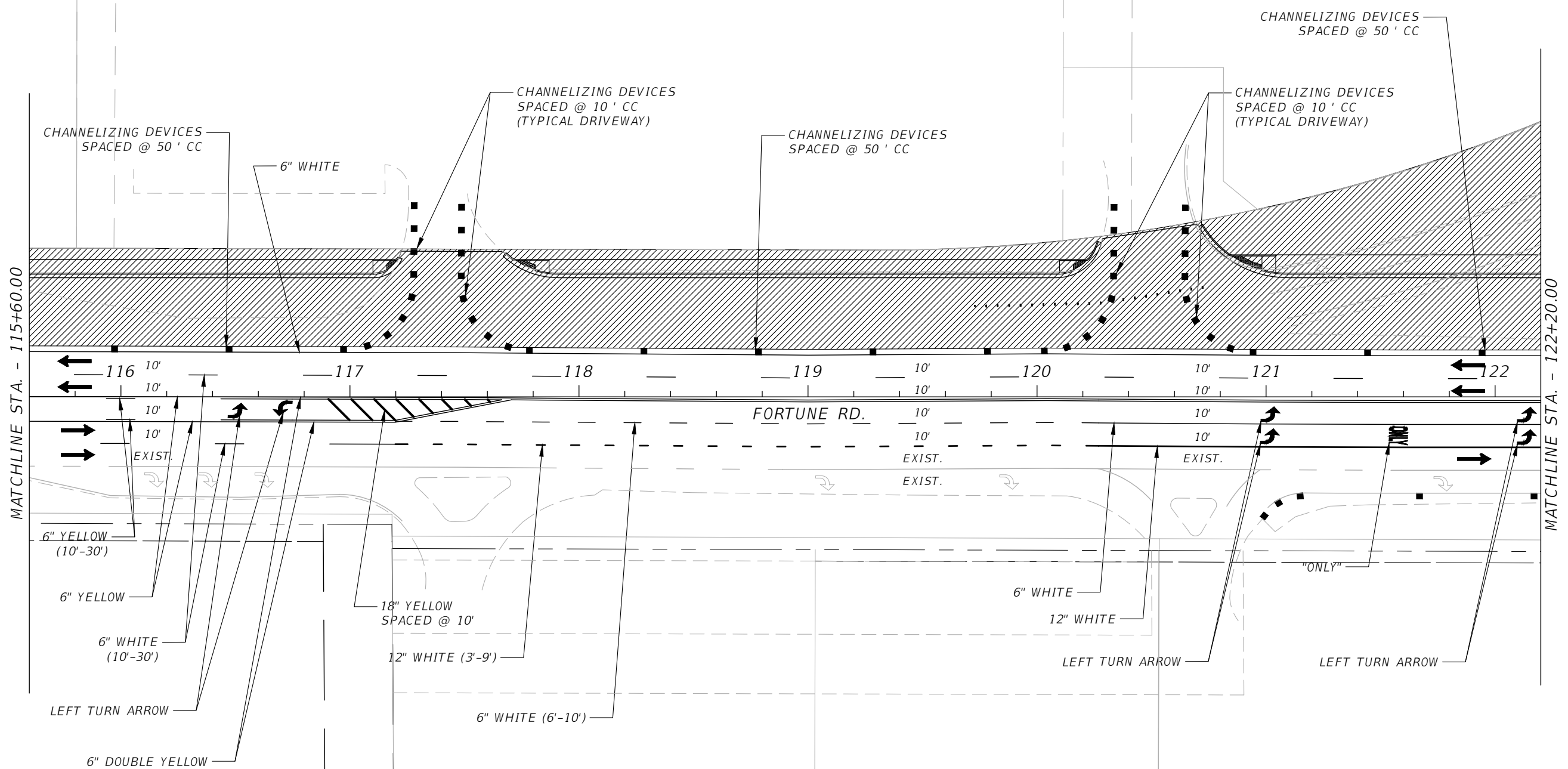
OSCEOLA COUNTY  
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**TRAFFIC CONTROL PLAN  
 FORTUNE RD PHASE I SHEET 1**

SHEET NO.  
 160

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- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

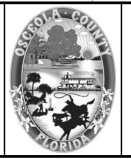
MATCHLINE STA. - 115+60.00

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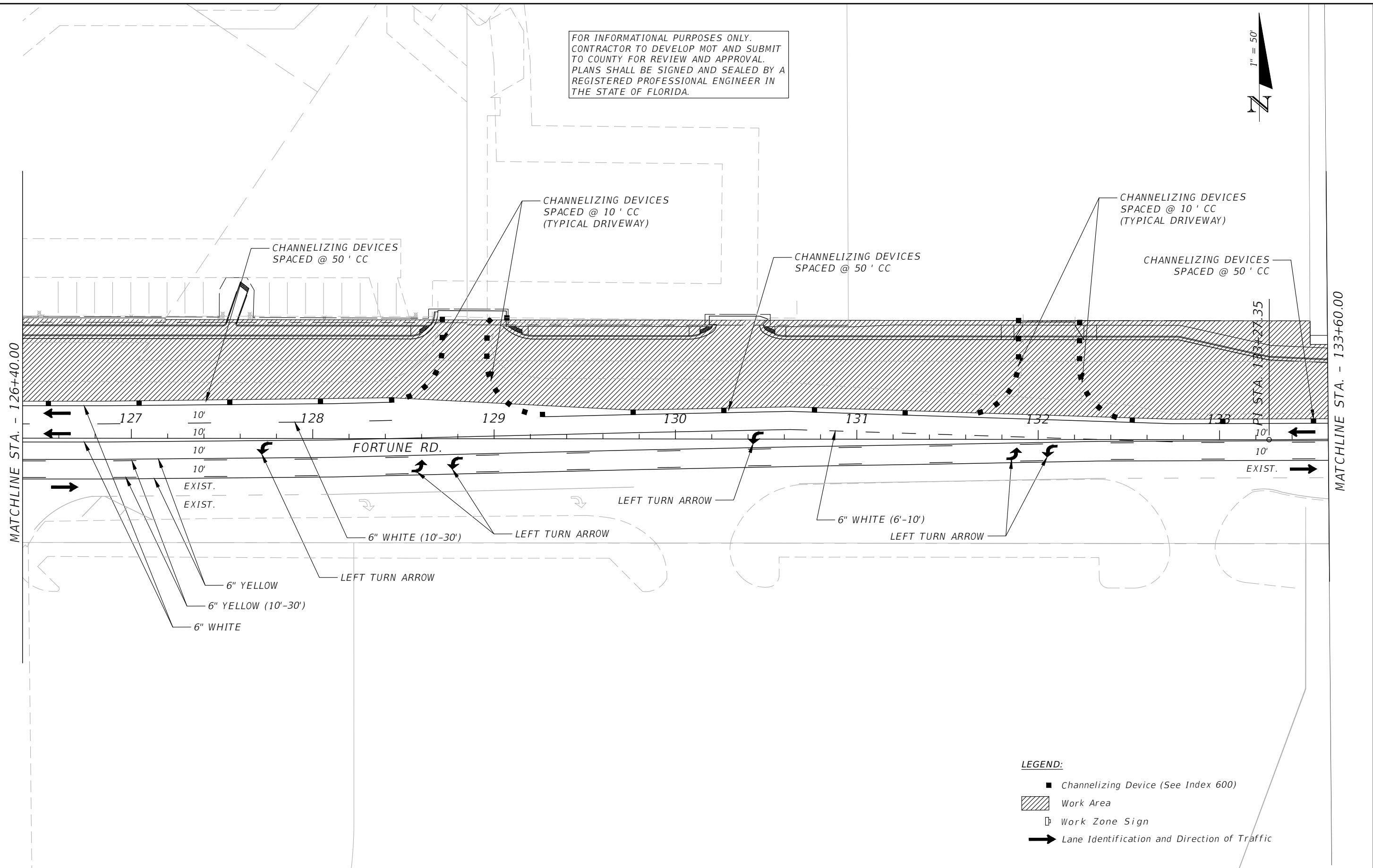
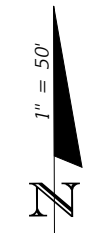
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**TRAFFIC CONTROL PLAN  
 FORTUNE RD PHASE I SHEET 2**

SHEET  
 NO.  
 161

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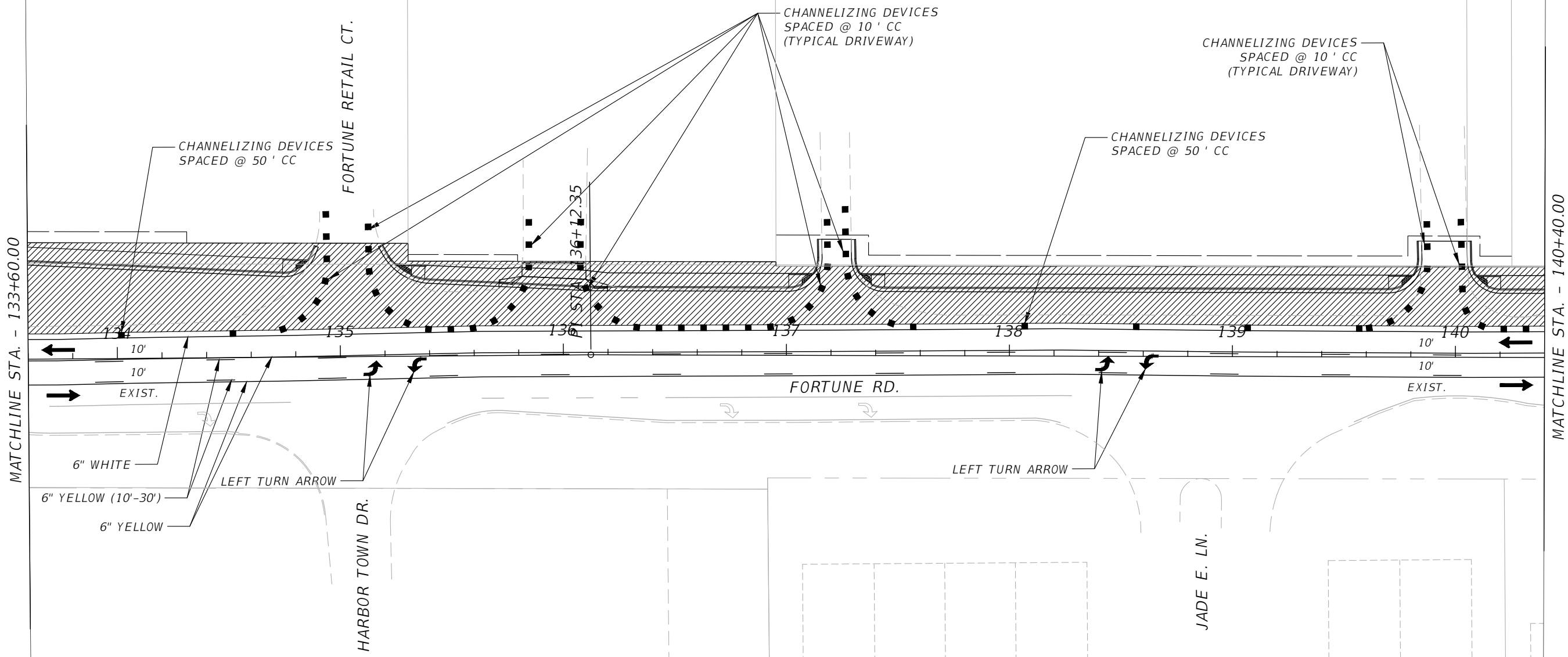
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**TRAFFIC CONTROL PLAN  
 FORTUNE RD PHASE I SHEET 3**

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 NO.  
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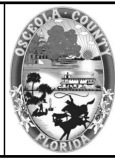


- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

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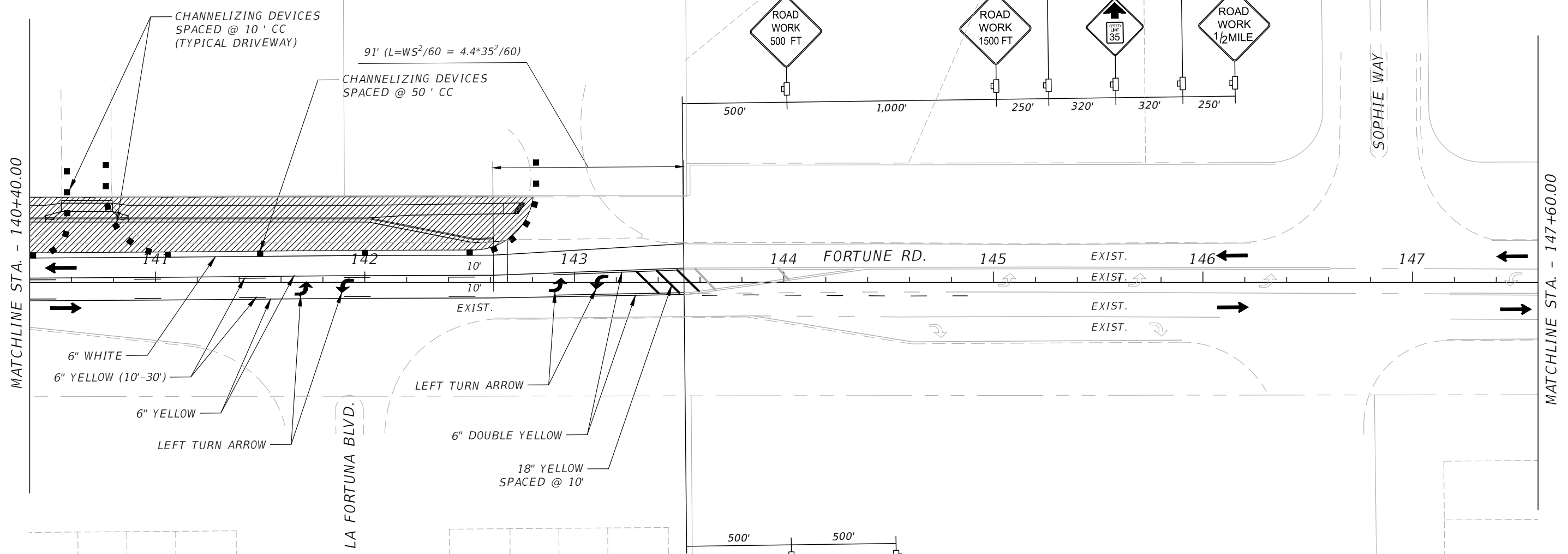
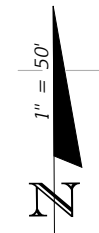
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**TRAFFIC CONTROL PLAN  
 FORTUNE RD PHASE I SHEET 4**

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 163

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- LEGEND:**
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  - ▨ Work Area
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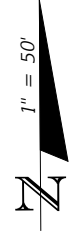
**TRAFFIC CONTROL PLAN  
 FORTUNE RD PHASE I SHEET 5**

SHEET NO.  
 164

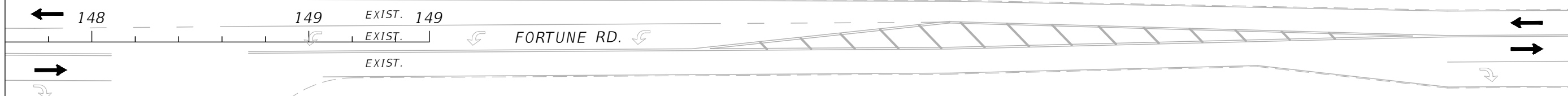
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MATCHLINE STA. - 147+60.00



UNIVERSAL REST PL.

FORTUNE RD.

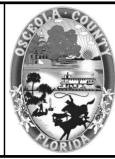
**LEGEND:**

- Channelizing Device (See Index 600)
- ▨ Work Area
- Work Zone Sign
- ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



Engineers | Scientists  
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 PE # 63437



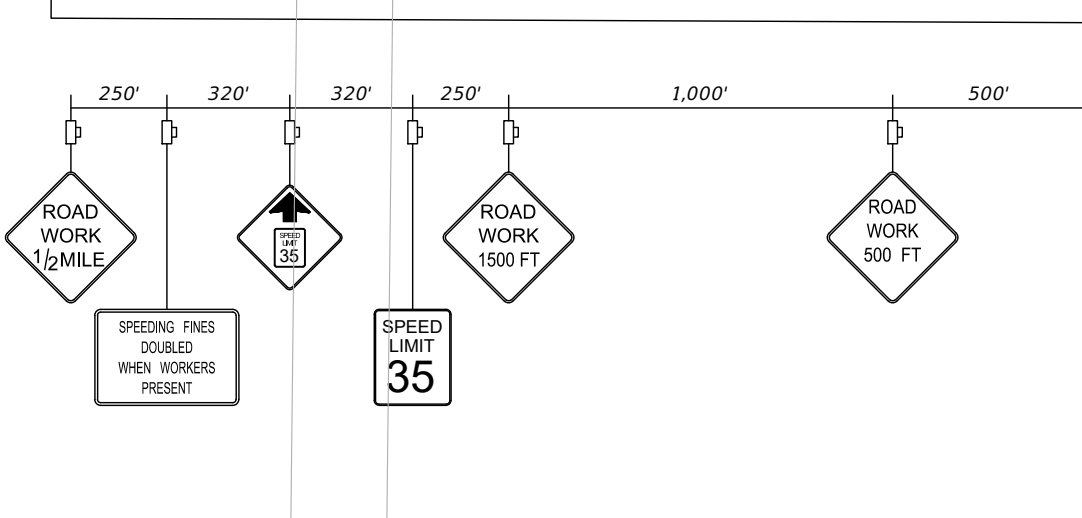
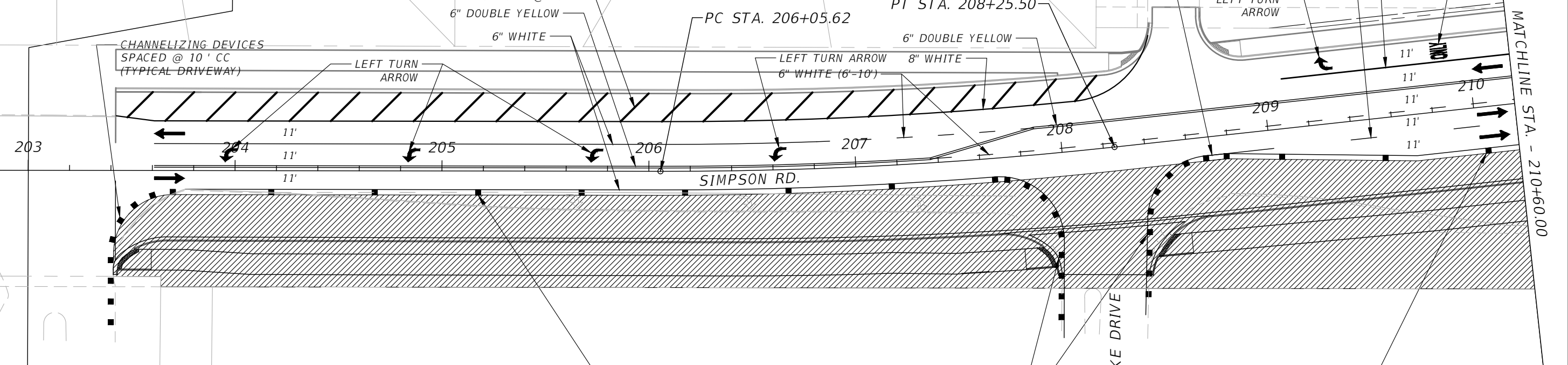
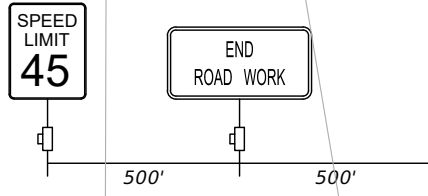
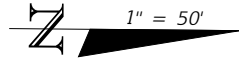
OSCEOLA COUNTY  
 FLORIDA

**TRAFFIC CONTROL PLAN**  
**FORTUNE RD PHASE I SHEET 6**

SHEET  
 NO.  
 165

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- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 PE # 63437



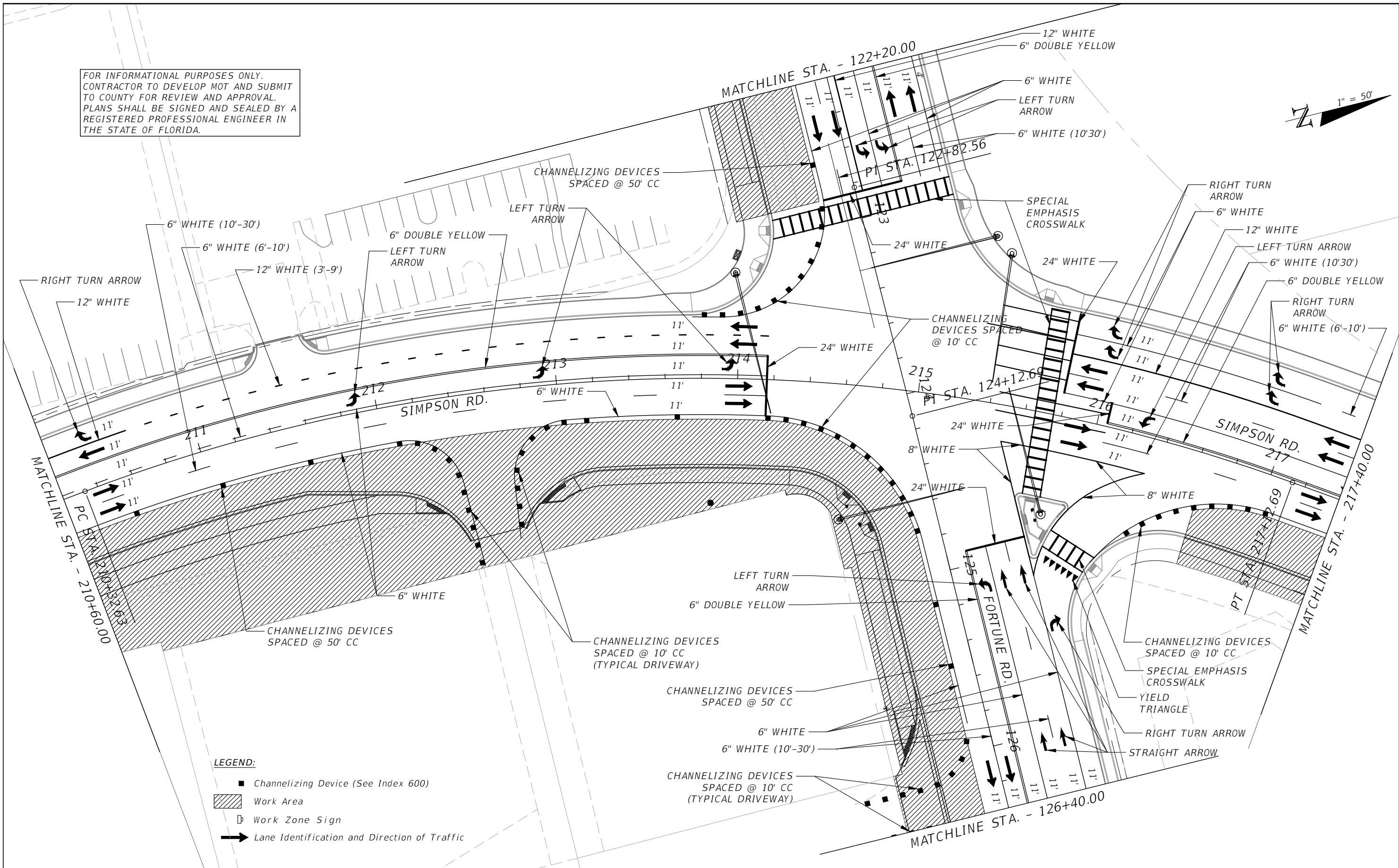
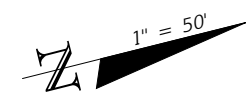
OSCEOLA COUNTY  
 FLORIDA

**TRAFFIC CONTROL PLAN  
 SIMPSON RD PHASE II SHEET 1**

SHEET NO.  
 166

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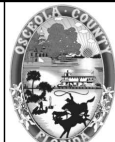


**LEGEND:**

- Channelizing Device (See Index 600)
- ▨ Work Area
- Work Zone Sign
- ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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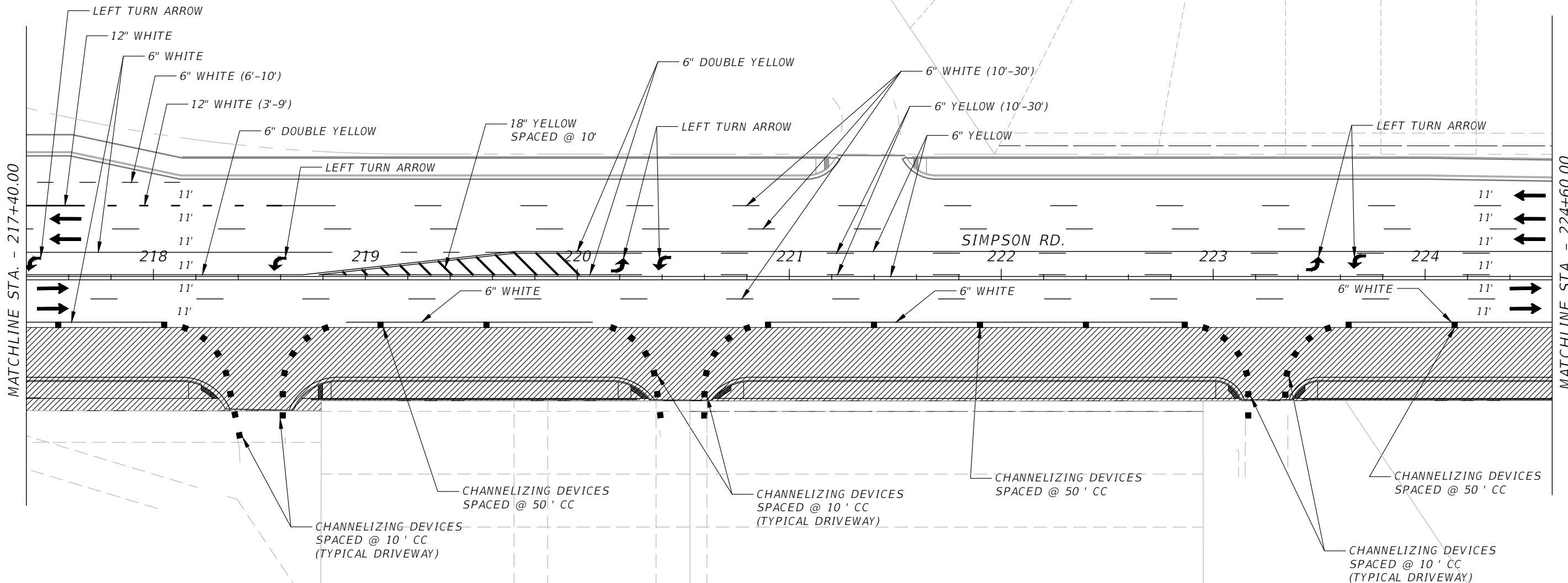
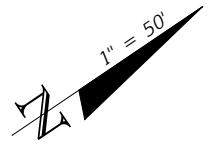
OSCEOLA COUNTY  
 FLORIDA

**TRAFFIC CONTROL PLAN  
 SIMPSON RD PHASE II SHEET 2**

SHEET  
 NO.  
 167

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- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - ⊞ Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

INGRESS/EGRESS, UTILITY AND PARKING  
 EASEMENT PER O.R.B. 2449, PAGE 1860

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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OSCEOLA COUNTY  
 FLORIDA

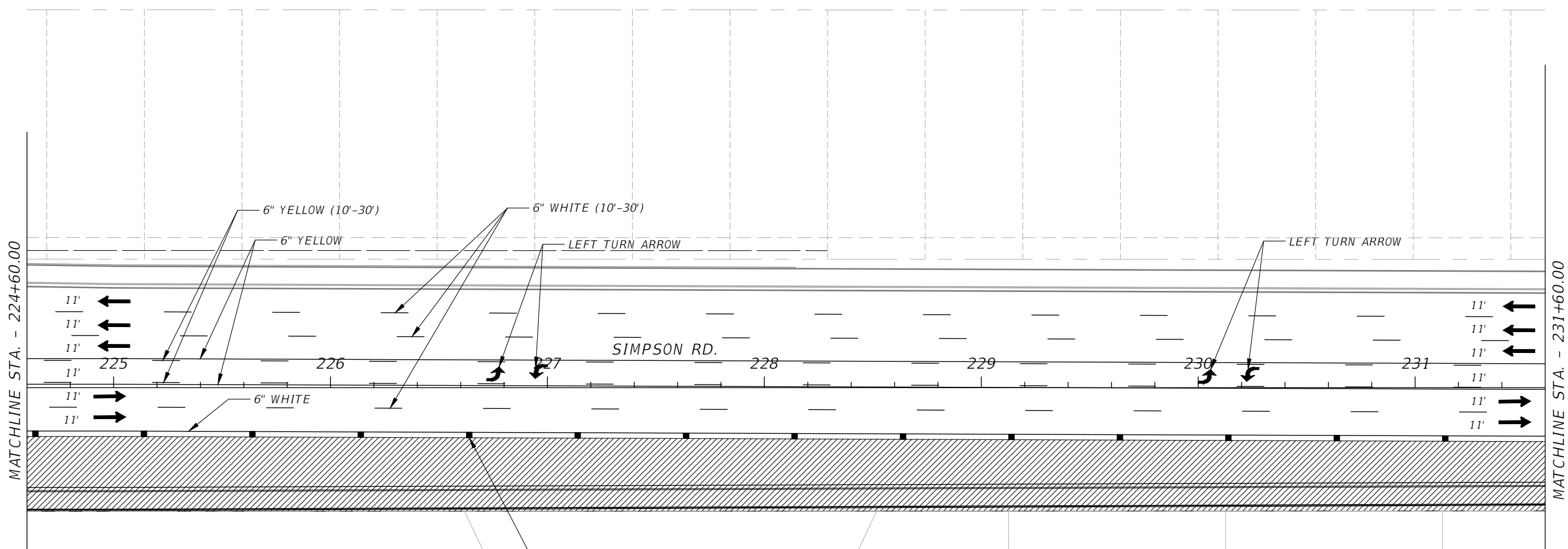
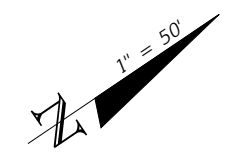
**TRAFFIC CONTROL PLAN  
 SIMPSON RD PHASE II SHEET 3**

SHEET  
 NO.  
 168

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CHANNELIZING DEVICES  
 SPACED @ 50' CC

- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



Engineers | Scientists  
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OSCEOLA COUNTY  
 FLORIDA

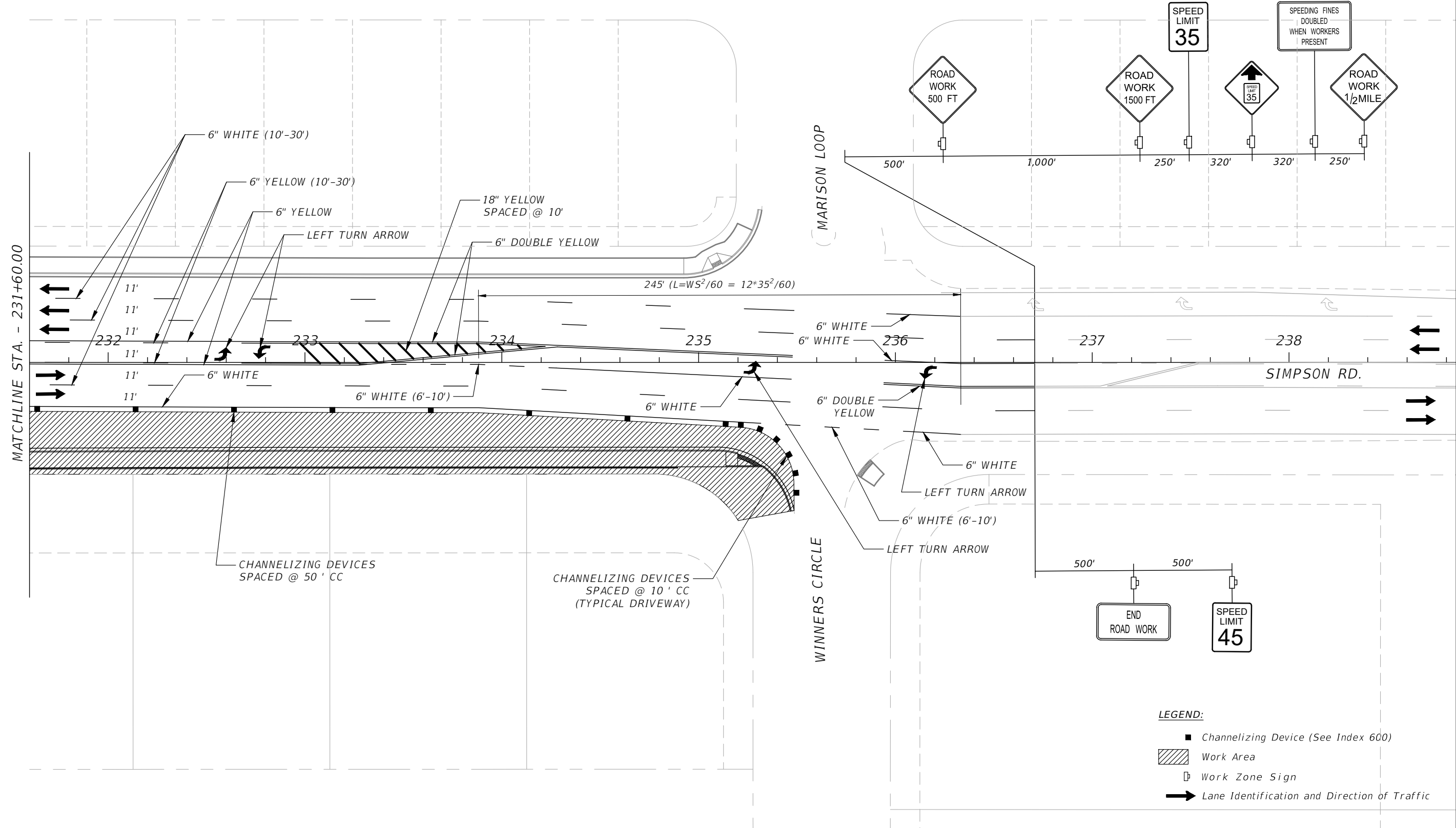
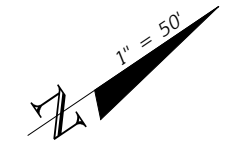
**TRAFFIC CONTROL PLAN  
 SIMPSON RD PHASE II SHEET 4**

SHEET  
 NO.  
 169

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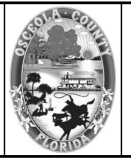
MATCHLINE STA. - 231+60.00

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- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineers | Scientists  
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 PE # 63437



OSCEOLA COUNTY  
 FLORIDA

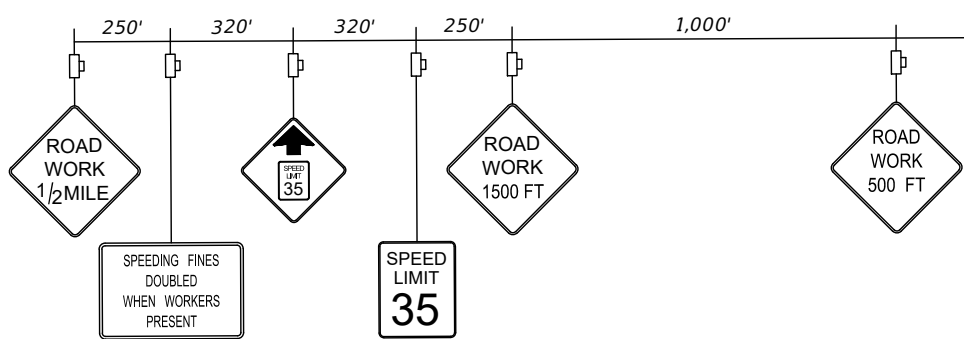
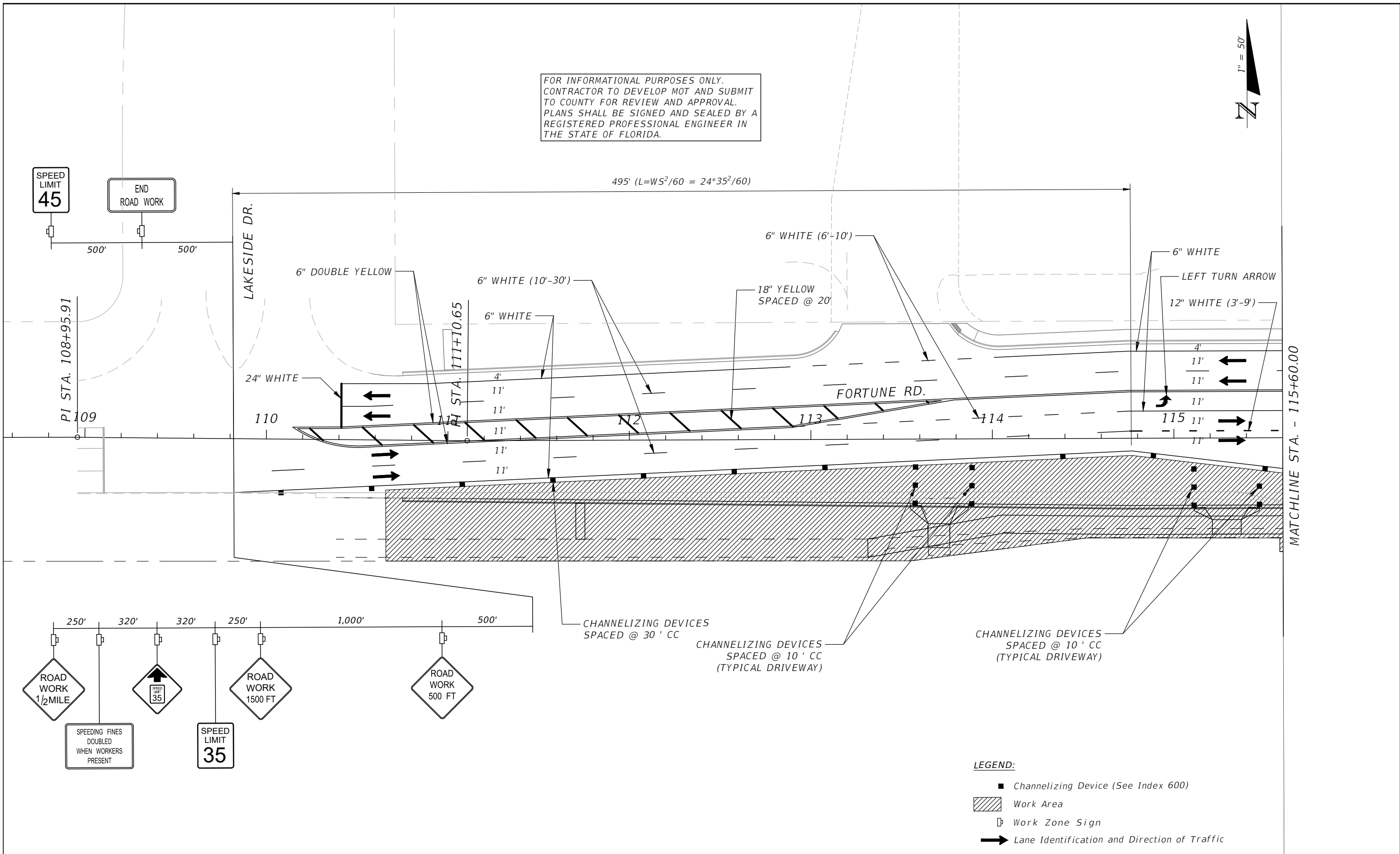
**TRAFFIC CONTROL PLAN  
 SIMPSON RD PHASE II SHEET 5**

SHEET NO.  
 170

FOR INFORMATIONAL PURPOSES ONLY.  
 CONTRACTOR TO DEVELOP MOT AND SUBMIT  
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$495' (L=WS^2/60 = 24 \cdot 35^2/60)$



- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 FLORIDA

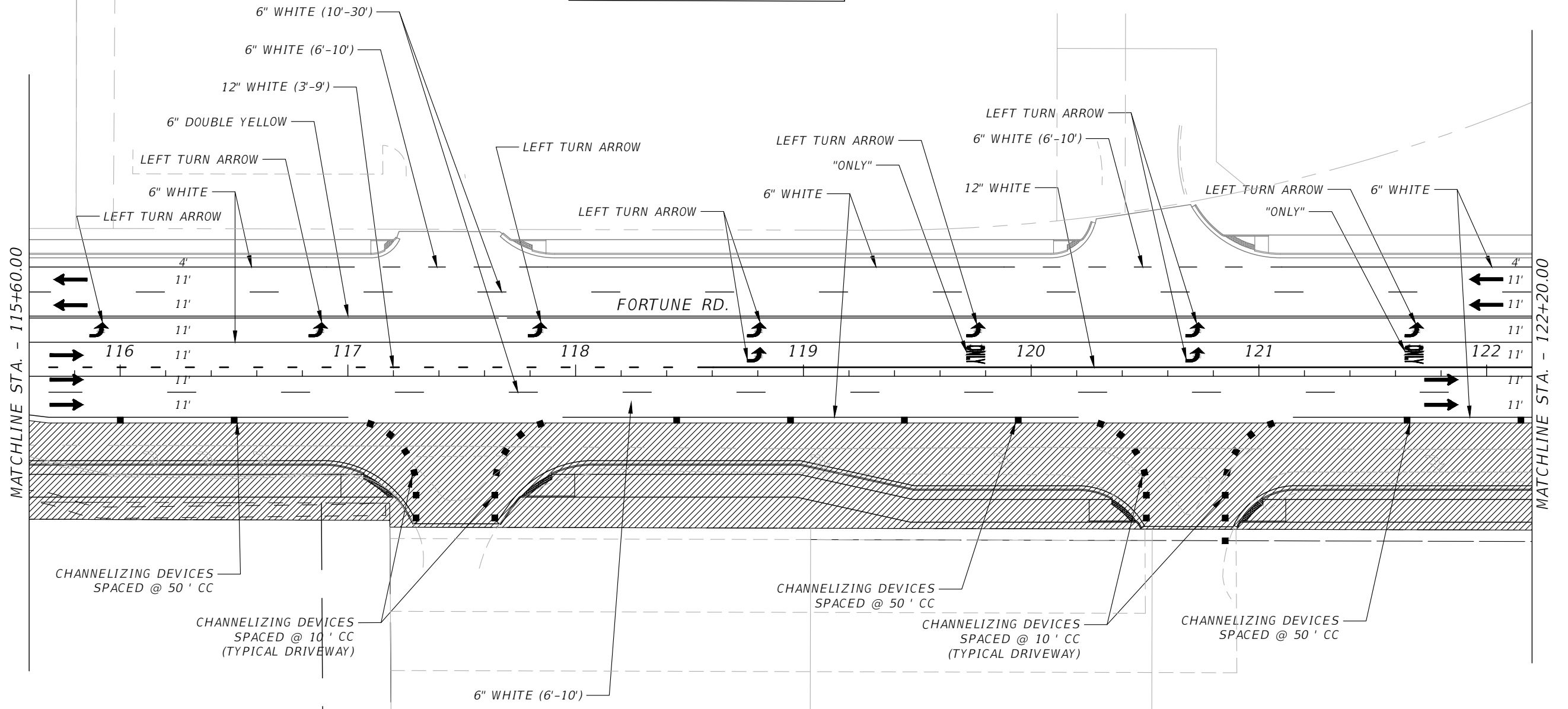
**TRAFFIC CONTROL PLAN  
 FORTUNE RD PHASE II SHEET 1**

SHEET NO.  
 171

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MATCHLINE STA. - 115+60.00

MATCHLINE STA. - 122+20.00

- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION



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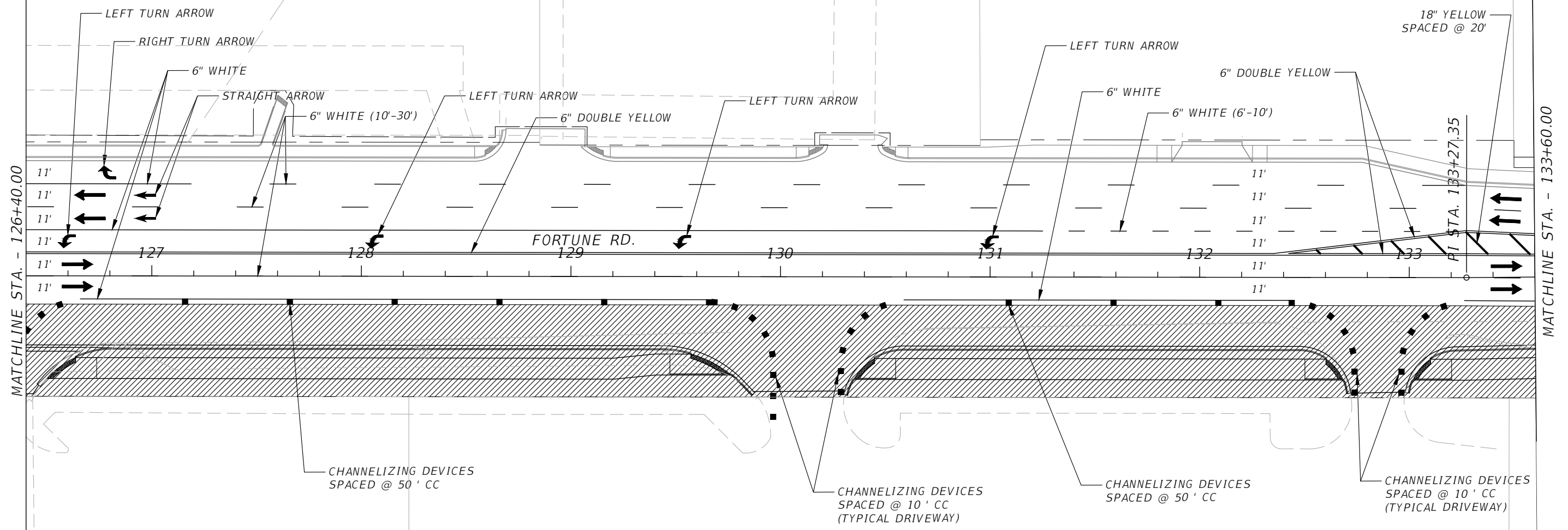
OSCEOLA COUNTY  
 FLORIDA

TRAFFIC CONTROL PLAN  
 FORTUNE RD PHASE II SHEET 2

SHEET  
 NO.  
 172

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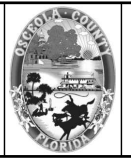


- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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OSCEOLA COUNTY  
 FLORIDA

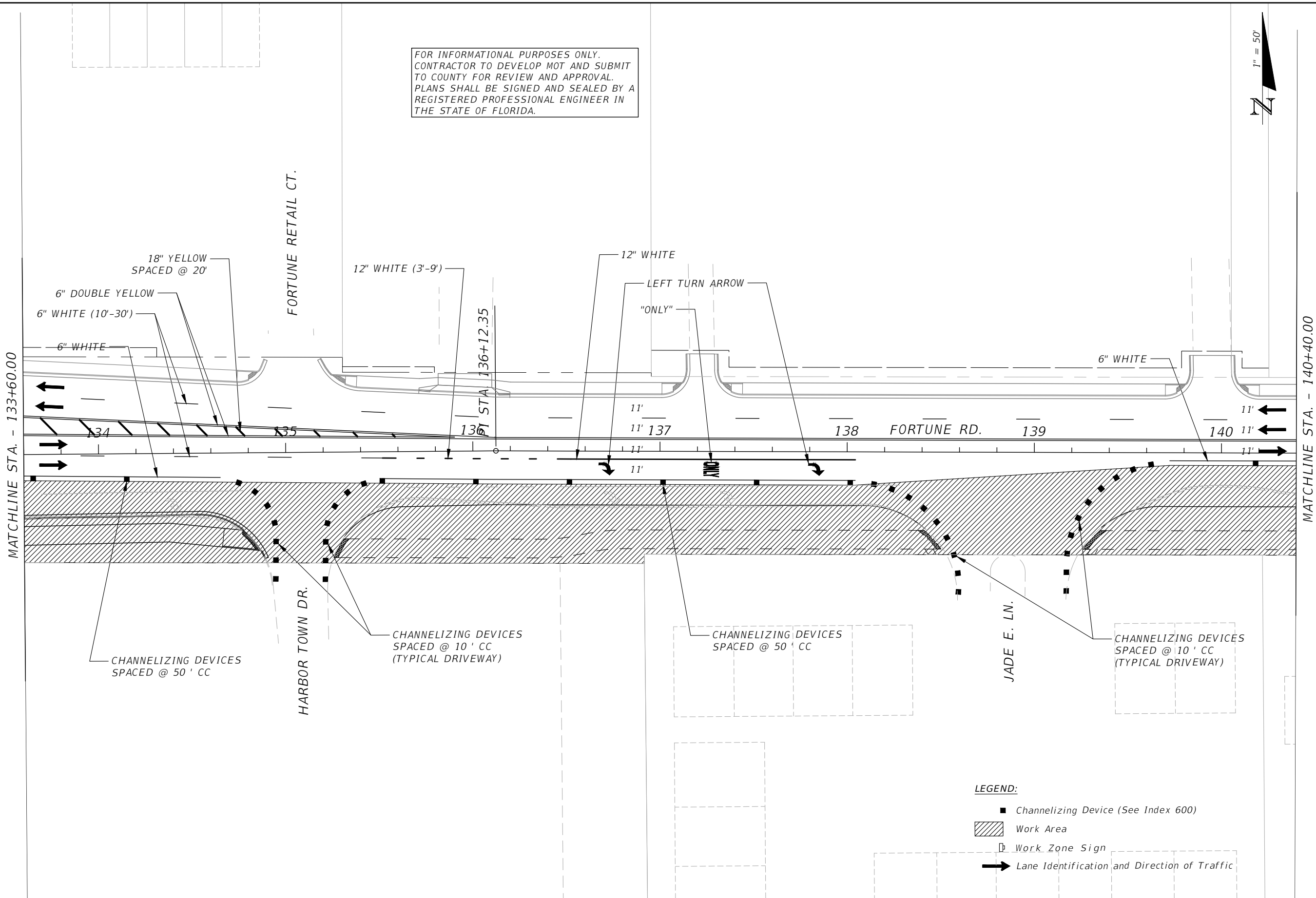
**TRAFFIC CONTROL PLAN  
 FORTUNE RD PHASE II SHEET 3**

SHEET NO.  
 173

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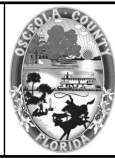


- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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 PE # 63437



OSCEOLA COUNTY  
 FLORIDA

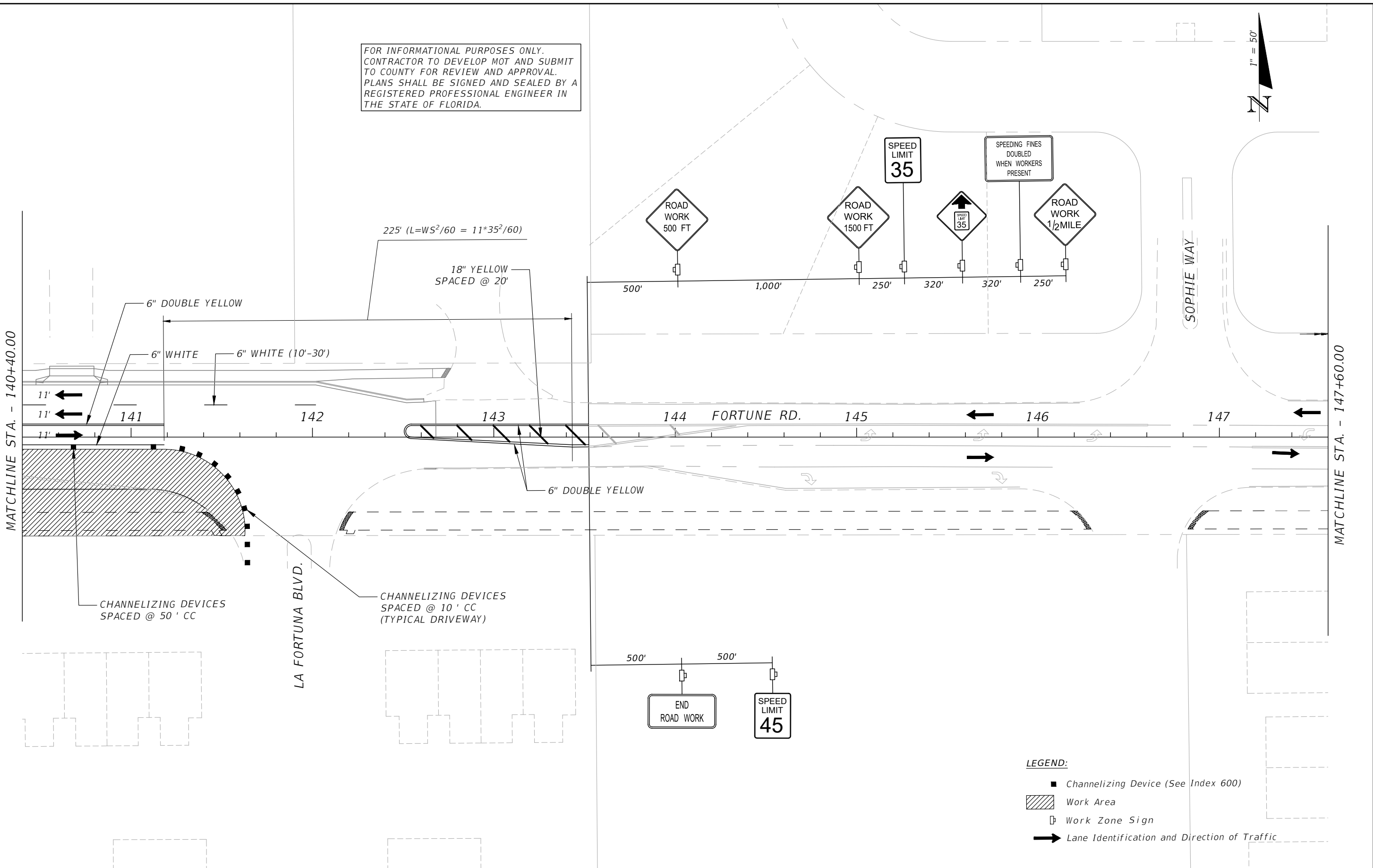
**TRAFFIC CONTROL PLAN**  
**FORTUNE RD PHASE II SHEET 4**

SHEET  
 NO.  
 174

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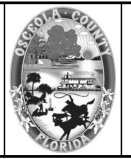


- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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**TRAFFIC CONTROL PLAN  
 FORTUNE RD PHASE II SHEET 5**

SHEET  
 NO.  
 175

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MATCHLINE STA. - 147+60.00

148

149

EXIST. 149

FORTUNE RD.

UNIVERSAL REST PL.

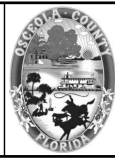
**LEGEND:**

- Channelizing Device (See Index 600)
- ▨ Work Area
- Work Zone Sign
- ➔ Lane Identification and Direction of Traffic

REVISIONS			
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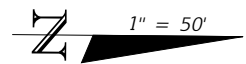


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 FLORIDA

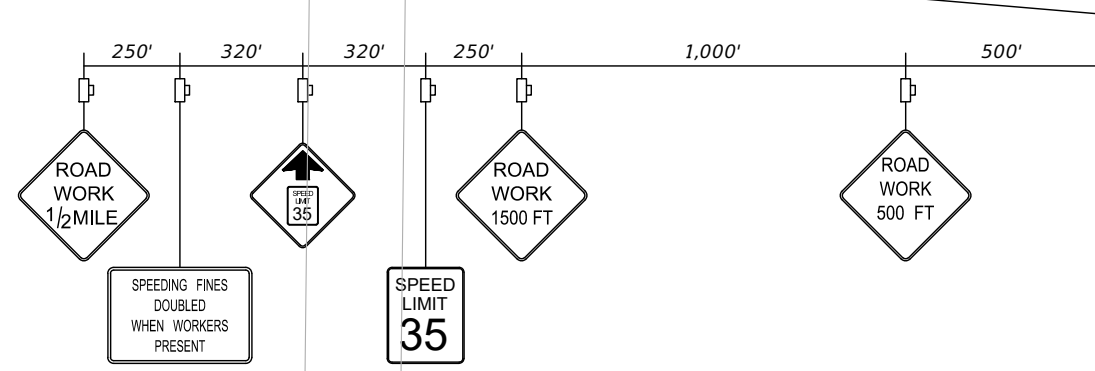
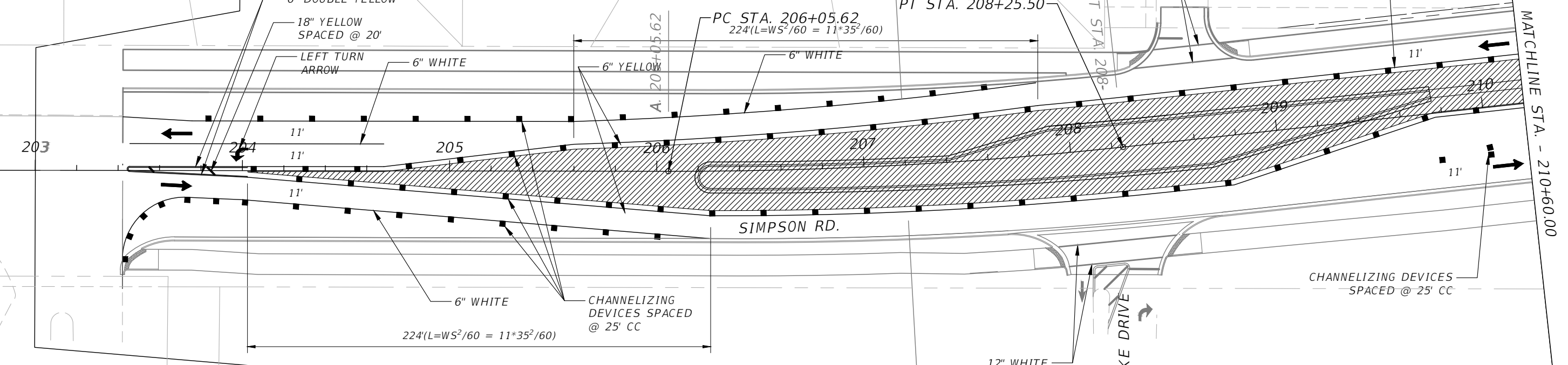
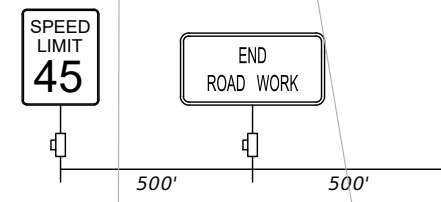
TRAFFIC CONTROL PLAN  
 FORTUNE RD PHASE II SHEET 6

SHEET  
 NO.  
 176

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- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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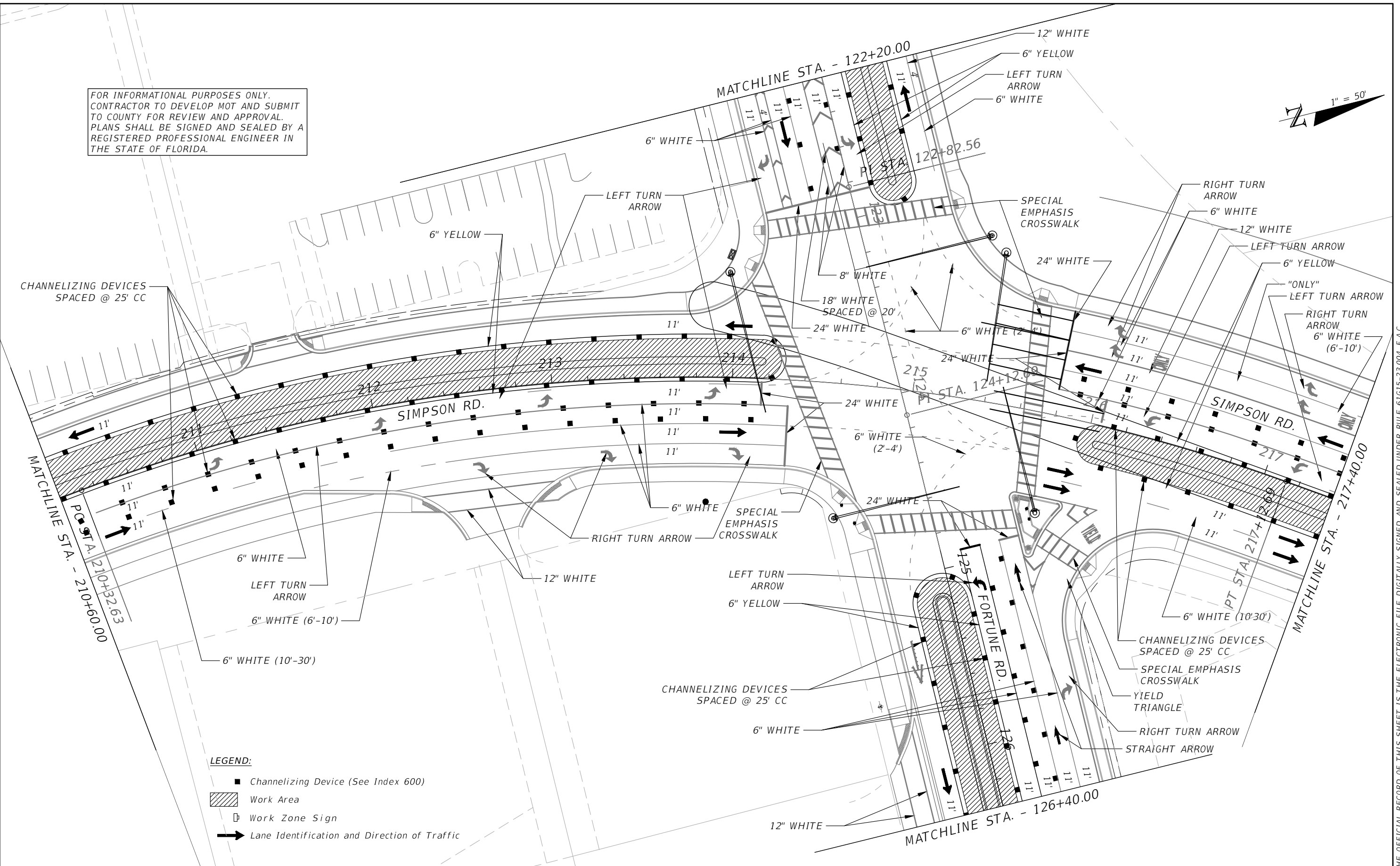
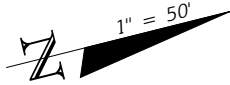
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**TRAFFIC CONTROL PLAN  
 SIMPSON RD PHASE III SHEET 1**

SHEET NO.  
 177

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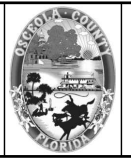
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- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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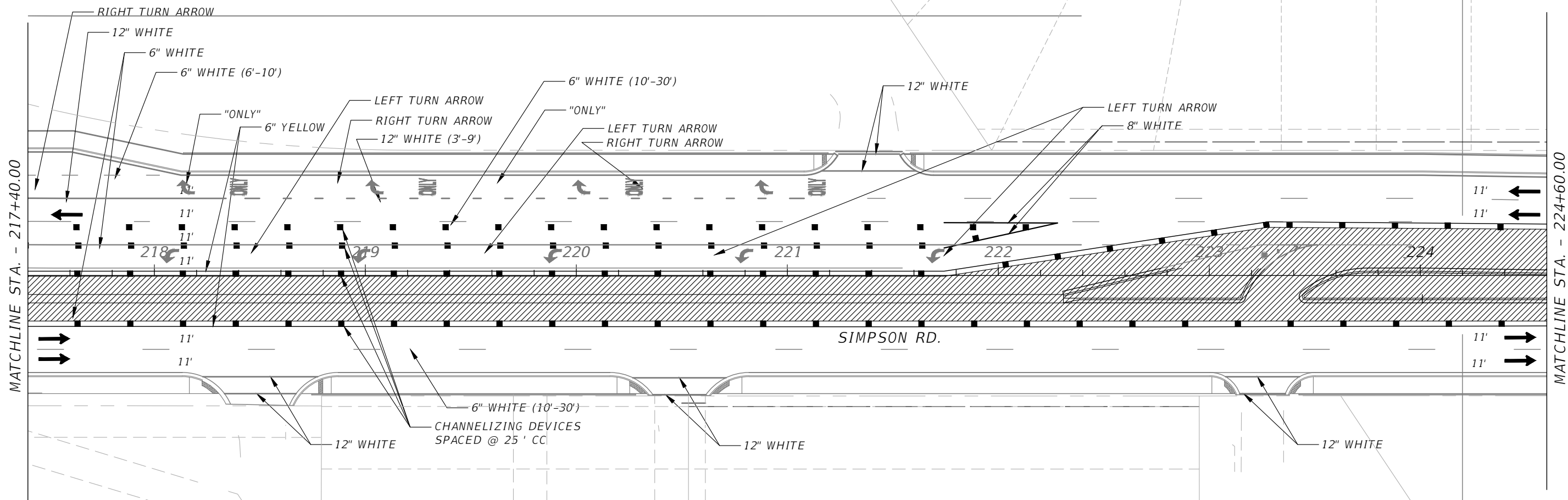
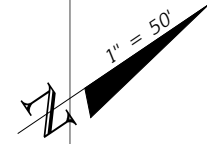
**TRAFFIC CONTROL PLAN  
 SIMPSON RD PHASE III SHEET 2**

SHEET NO.  
 178

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MATCHLINE STA. - 217+40.00

MATCHLINE STA. - 224+60.00

SIMPSON RD.

UNIT 2300	UNIT 2302	UNIT 2304	UNIT 2306	UNIT 2308	UNIT 2310	UNIT 2312	UNIT 2314	UNIT 2316	UNIT 2318
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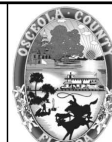
**LEGEND:**

- Channelizing Device (See Index 600)
- ▨ Work Area
- Work Zone Sign
- ➔ Lane Identification and Direction of Traffic

INGRESS/EGRESS, UTILITY AND PARKING  
 EASEMENT PER O.R.B. 2449, PAGE 1860

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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OSCEOLA COUNTY  
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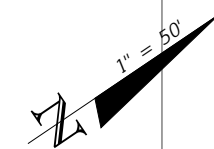
**TRAFFIC CONTROL PLAN  
 SIMPSON RD PHASE III SHEET 3**

SHEET  
 NO.  
 179

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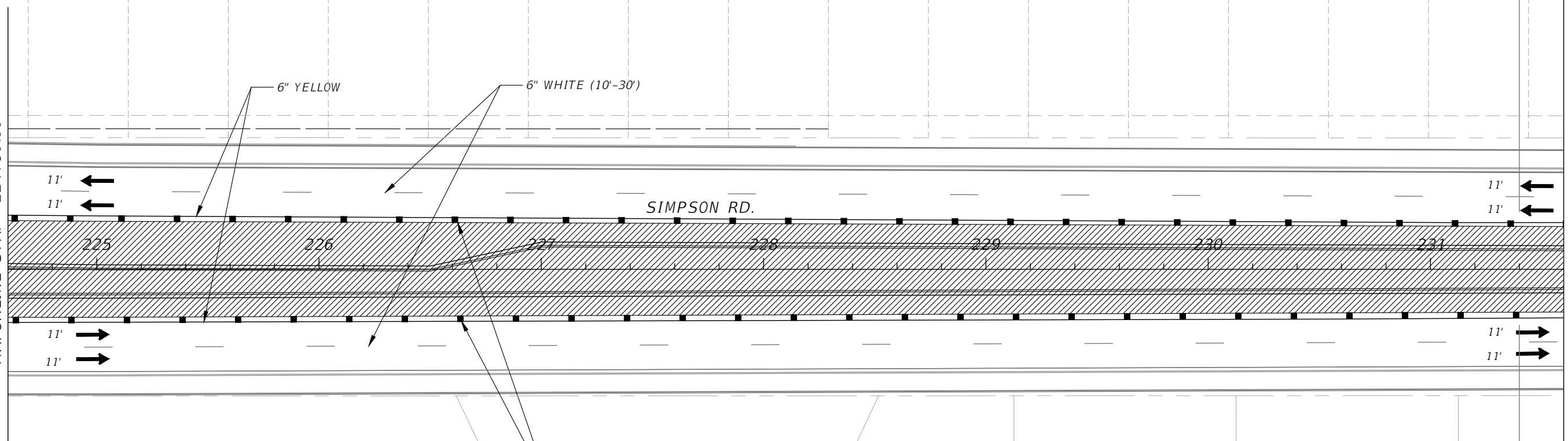


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MATCHLINE STA. - 224+60.00

MATCHLINE STA. - 231+60.00



CHANNELIZING DEVICES  
 SPACED @ 25' CC

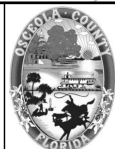
**LEGEND:**

- Channelizing Device (See Index 600)
- Work Area
- Work Zone Sign
- Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



Engineers | Scientists  
 Planners | Designers  
 225 E. Robinson Street, Suite 300  
 Orlando, FL 32801 (407)839-4006  
 Certificate of Authorization # 3932  
 Mark F. Bertoncini, P.E.  
 PE # 63437



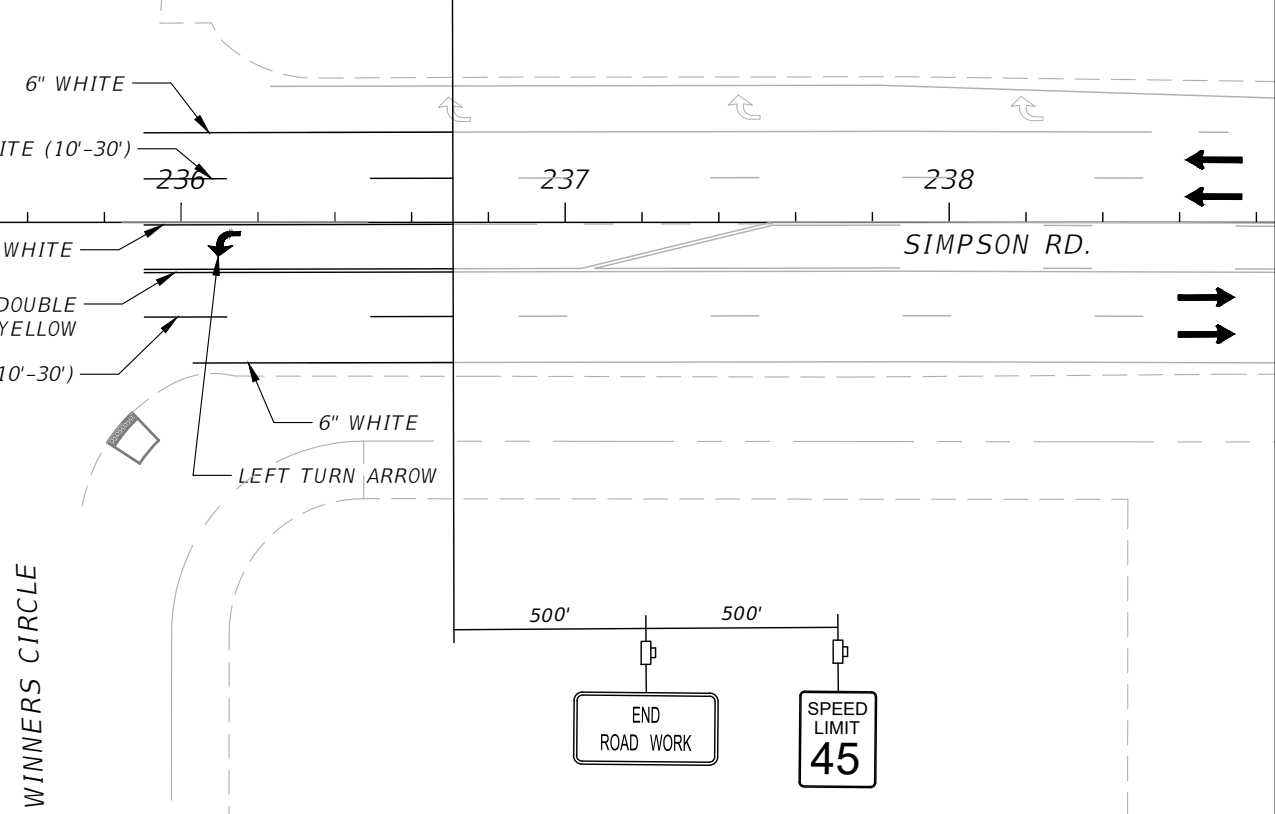
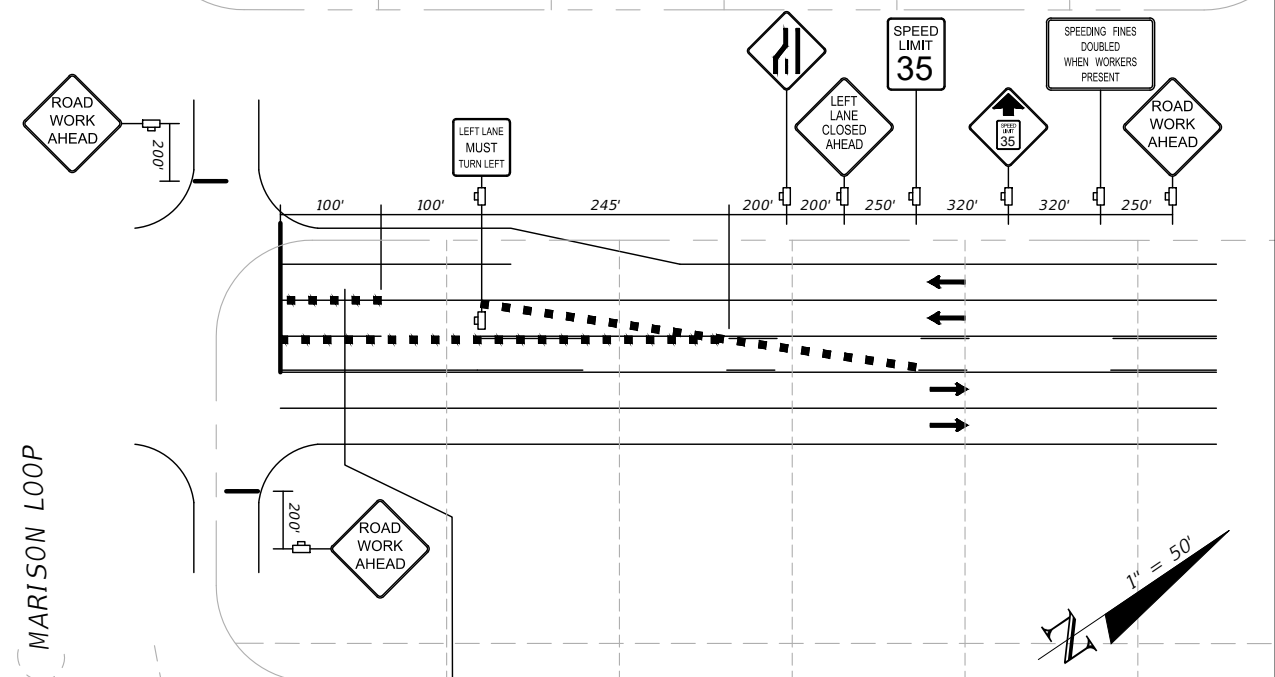
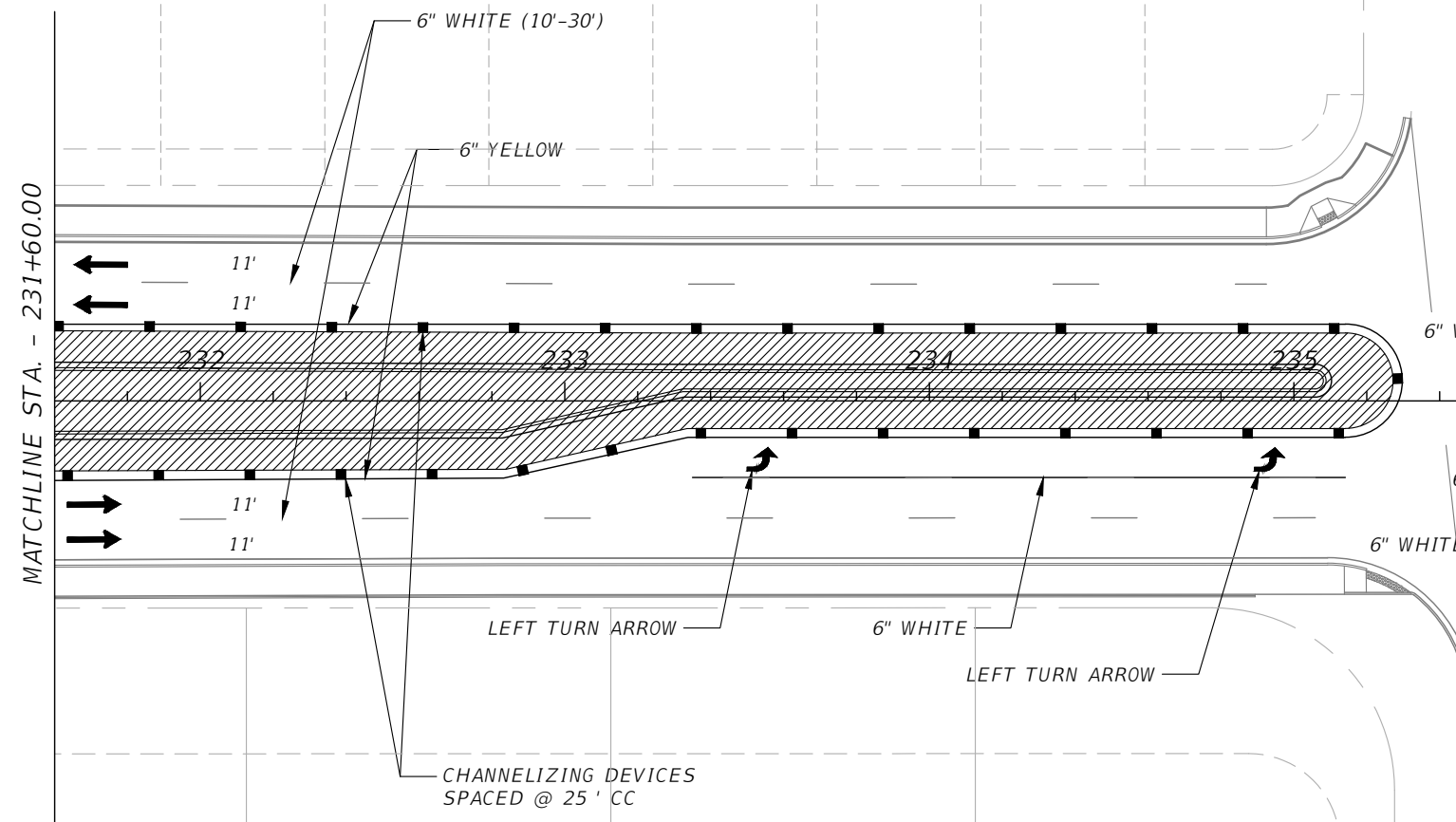
OSCEOLA COUNTY  
 FLORIDA

**TRAFFIC CONTROL PLAN**  
**SIMPSON RD PHASE III SHEET 4**

SHEET  
 NO.  
 180

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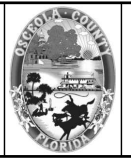
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- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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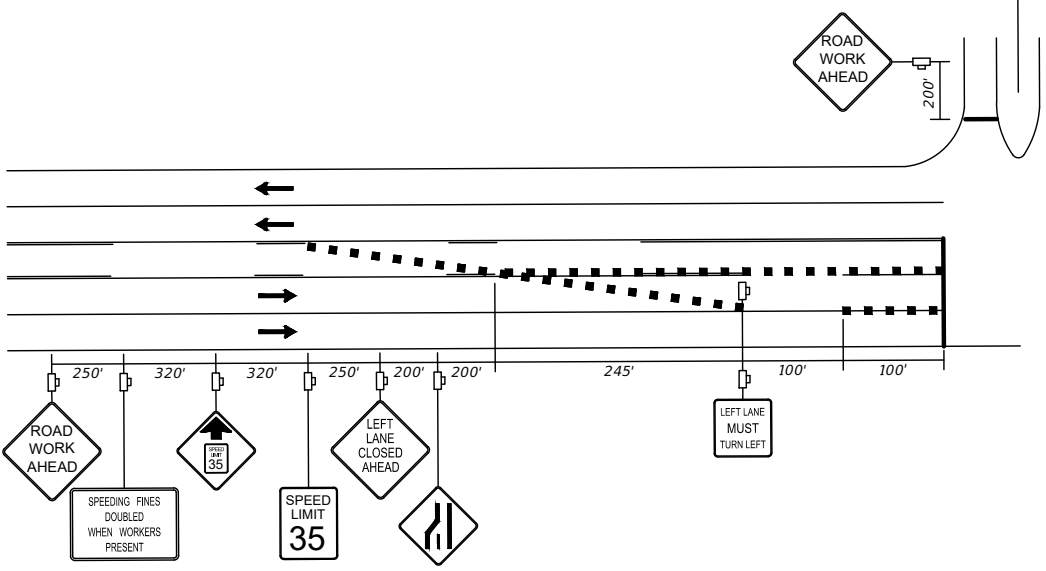
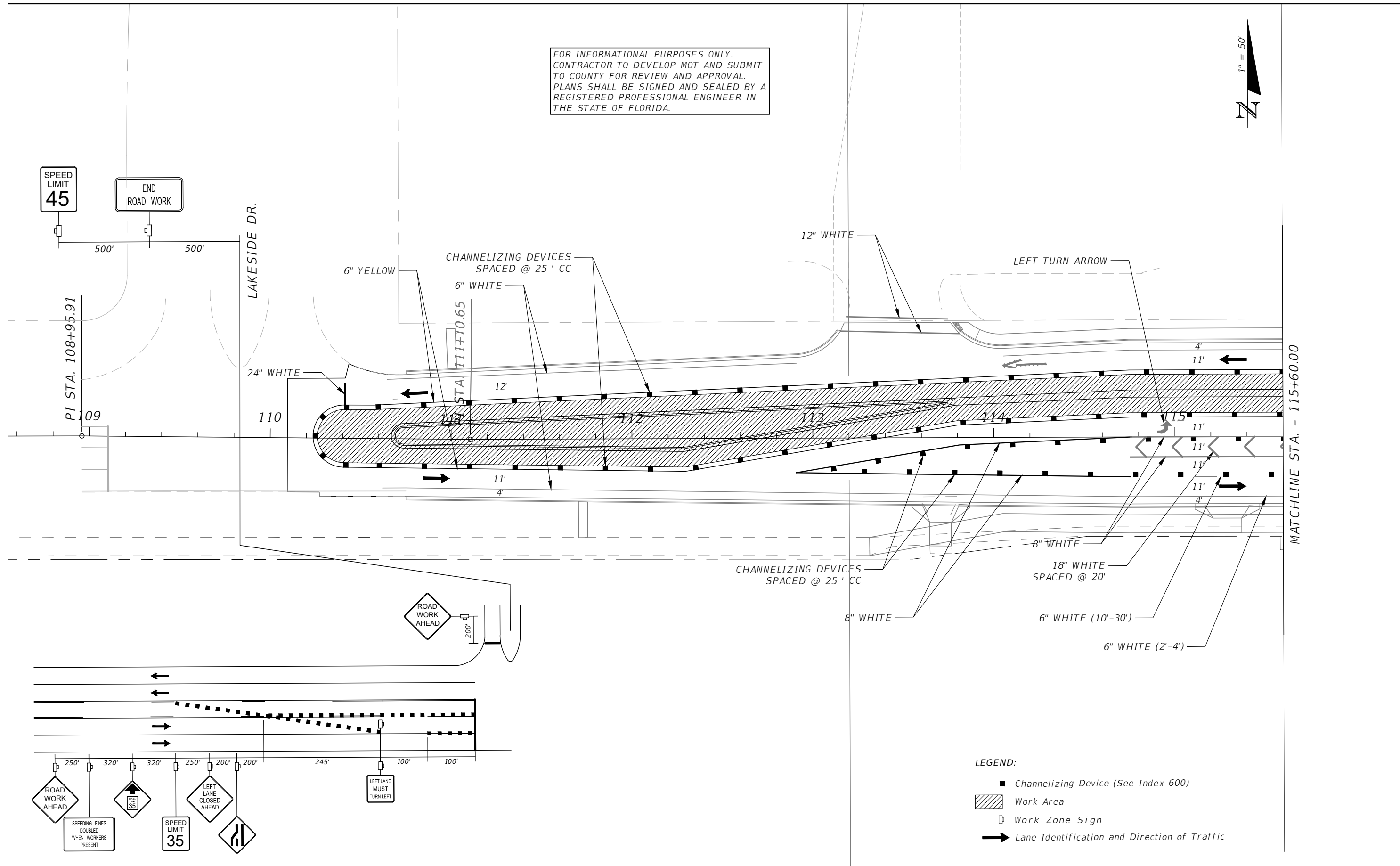
OSCEOLA COUNTY  
 FLORIDA

TRAFFIC CONTROL PLAN  
 SIMPSON RD PHASE III SHEET 5

SHEET NO.  
 181

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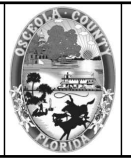
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- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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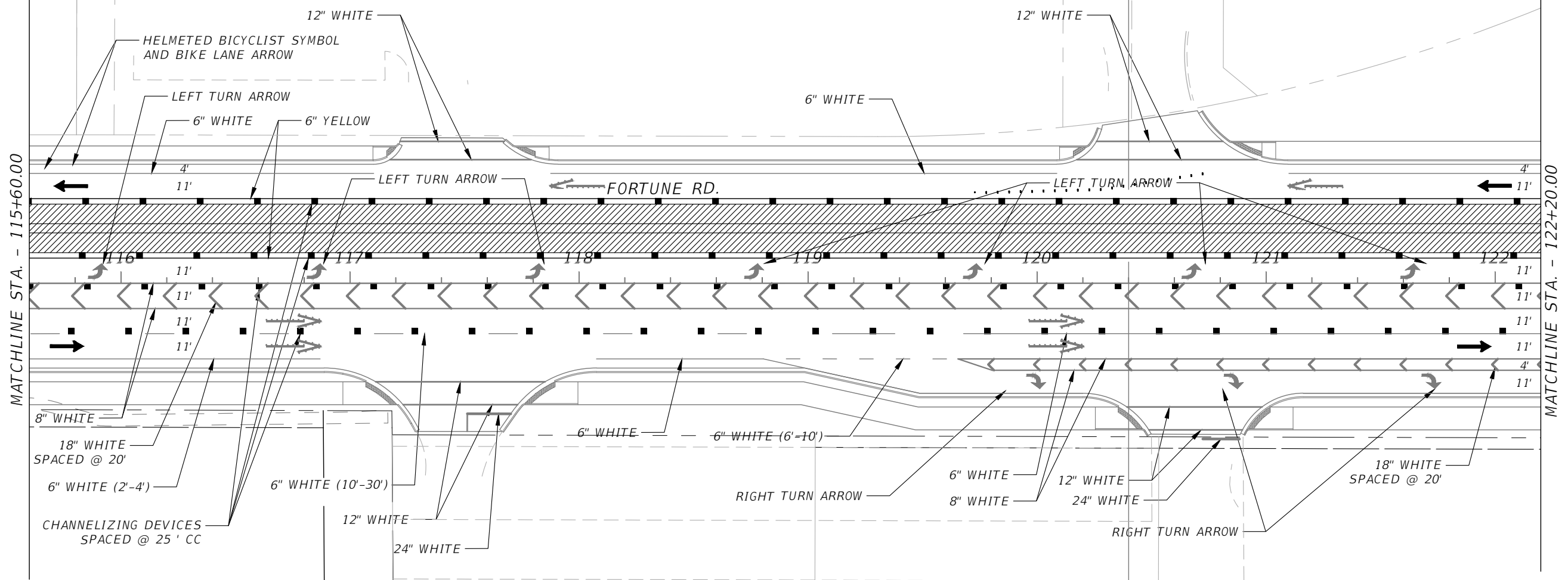
OSCEOLA COUNTY  
 FLORIDA

**TRAFFIC CONTROL PLAN  
 FORTUNE RD PHASE III SHEET 1**

SHEET NO.  
 182

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MATCHLINE STA. - 115+60.00

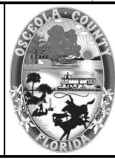
MATCHLINE STA. - 122+20.00

- LEGEND:**
- Channelizing Device (See Index 600)
  - Work Area
  - Work Zone Sign
  - Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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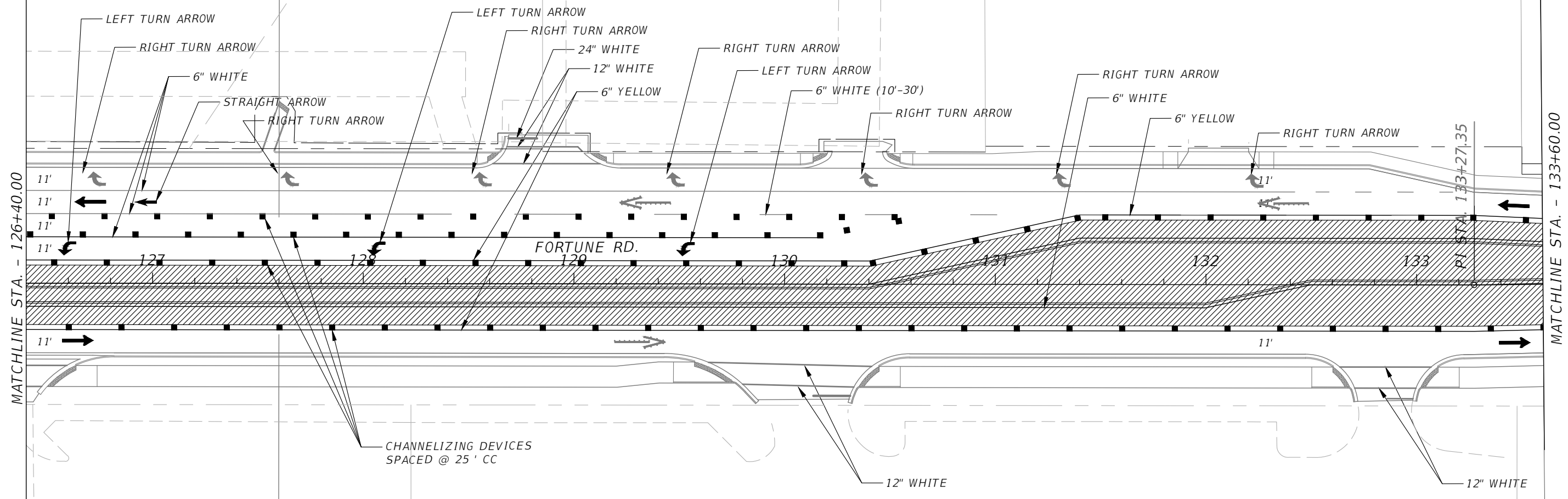
OSCEOLA COUNTY  
 FLORIDA

**TRAFFIC CONTROL PLAN  
 FORTUNE RD PHASE III SHEET 2**

SHEET  
 NO.  
 183

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MATCHLINE STA. - 126+40.00

MATCHLINE STA. - 133+60.00

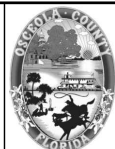
CHANNELIZING DEVICES  
 SPACED @ 25' CC

- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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OSCEOLA COUNTY  
 FLORIDA

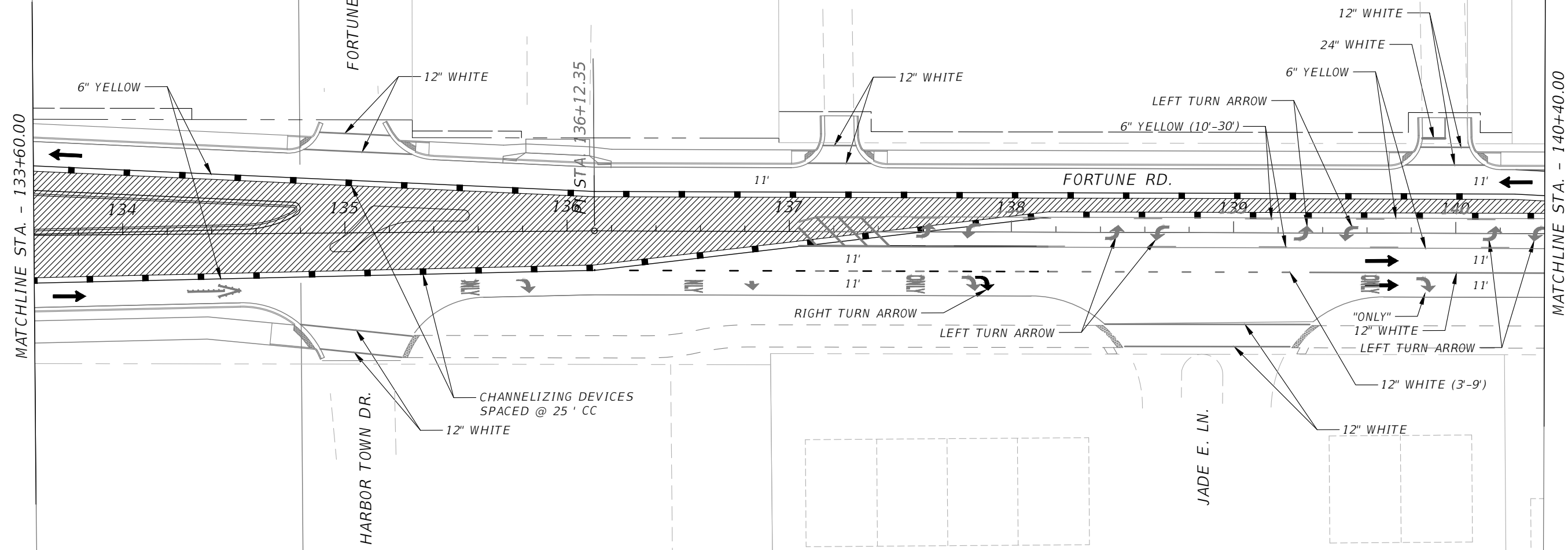
**TRAFFIC CONTROL PLAN  
 FORTUNE RD PHASE III SHEET 3**

SHEET  
 NO.  
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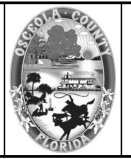


- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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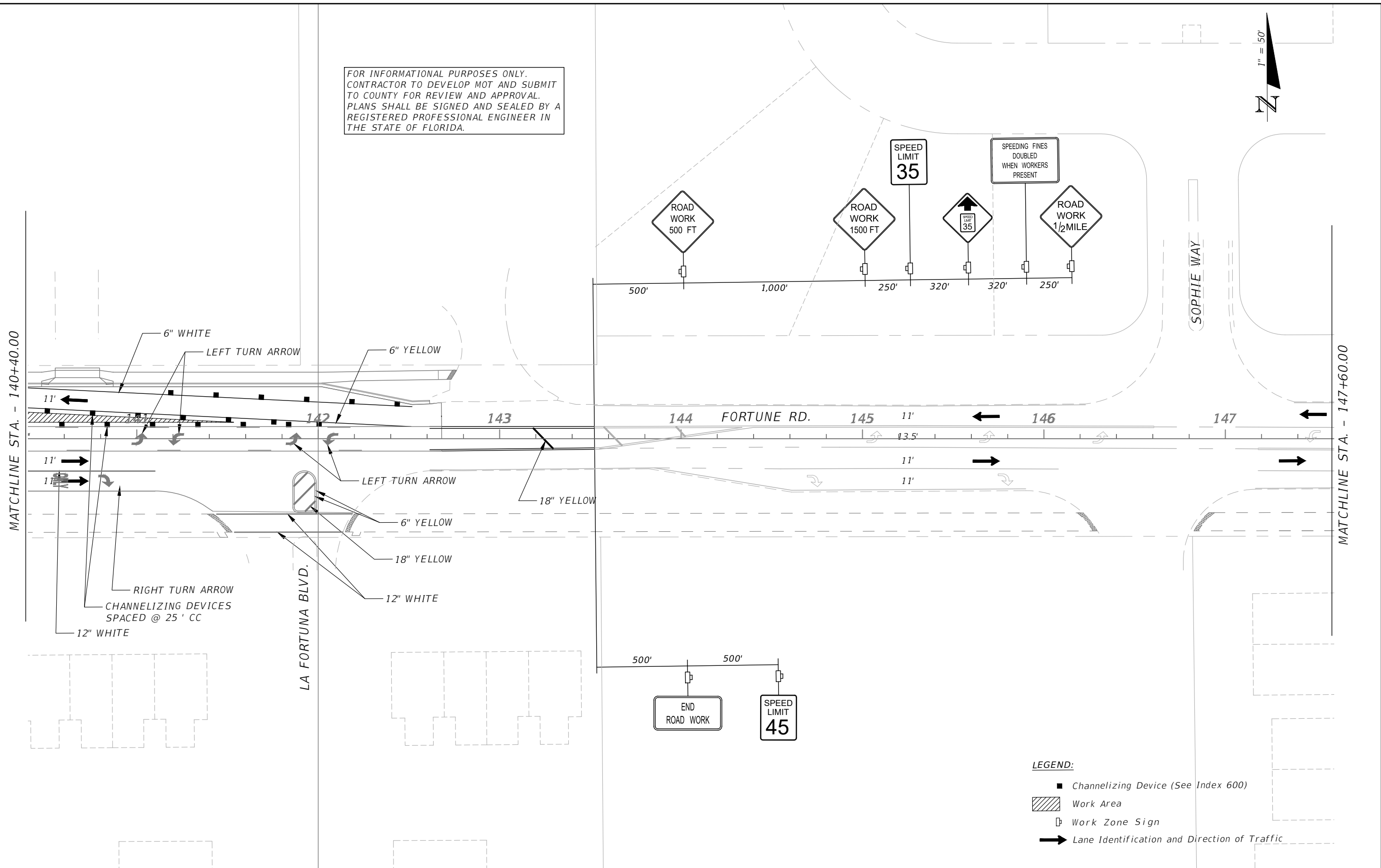
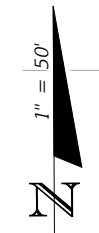
OSCEOLA COUNTY  
 FLORIDA

**TRAFFIC CONTROL PLAN**  
**FORTUNE RD PHASE III SHEET 4**

SHEET  
 NO.  
 185

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- LEGEND:**
- Channelizing Device (See Index 600)
  - ▨ Work Area
  - Work Zone Sign
  - ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**vhb**  
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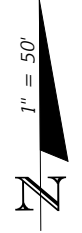
OSCEOLA COUNTY  
 FLORIDA

**TRAFFIC CONTROL PLAN  
 FORTUNE RD PHASE III SHEET 5**

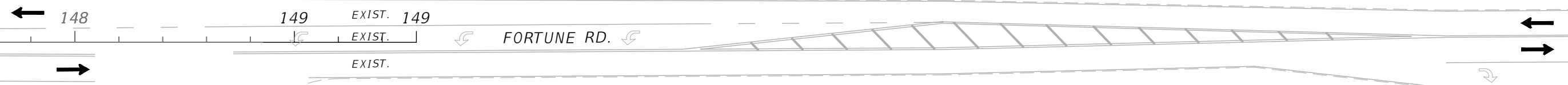
SHEET NO.  
 186

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MATCHLINE STA. - 147+60.00



UNIVERSAL REST PL.

FORTUNE RD.

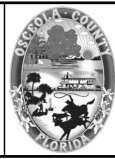
LEGEND:

- Channelizing Device (See Index 600)
- ▨ Work Area
- Work Zone Sign
- ➔ Lane Identification and Direction of Traffic

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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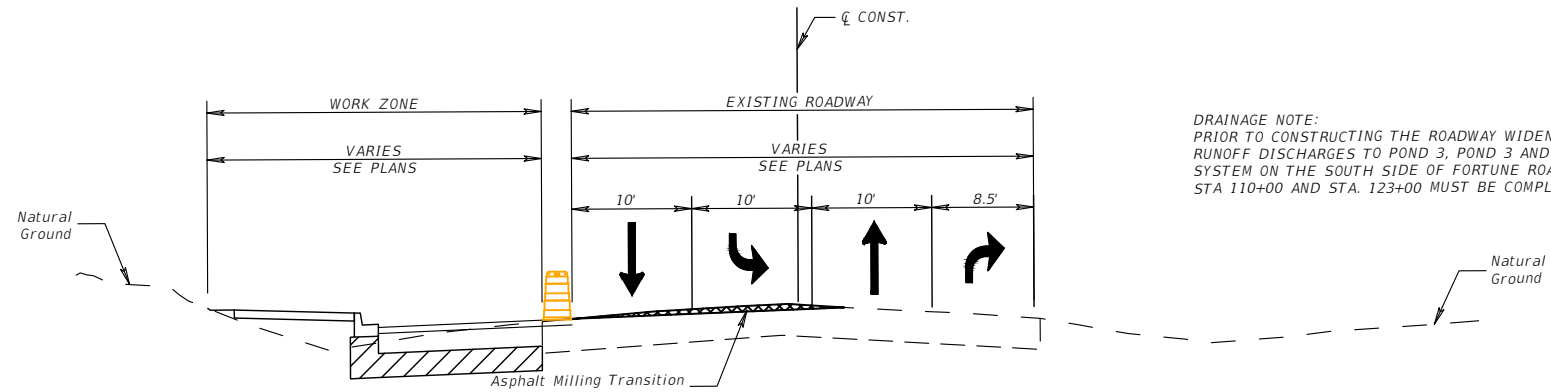


OSCEOLA COUNTY  
 FLORIDA

TRAFFIC CONTROL PLAN  
 FORTUNE RD PHASE III SHEET 6

SHEET  
 NO.  
 187

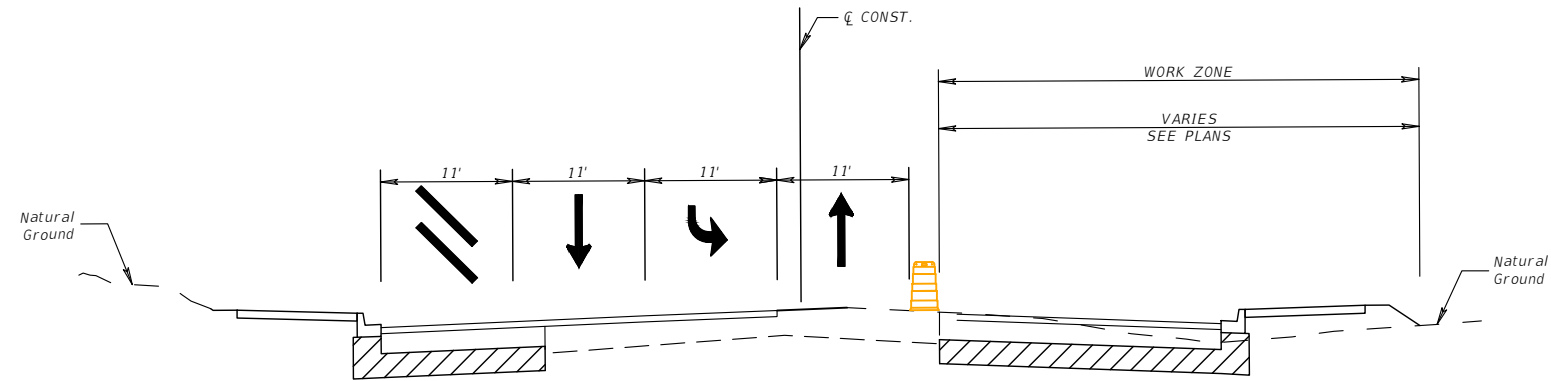
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DRAINAGE NOTE:  
PRIOR TO CONSTRUCTING THE ROADWAY WIDENING WHERE  
RUNOFF DISCHARGES TO POND 3, POND 3 AND THE DRAINAGE  
SYSTEM ON THE SOUTH SIDE OF FORTUNE ROAD BETWEEN  
STA 110+00 AND STA. 123+00 MUST BE COMPLETED.

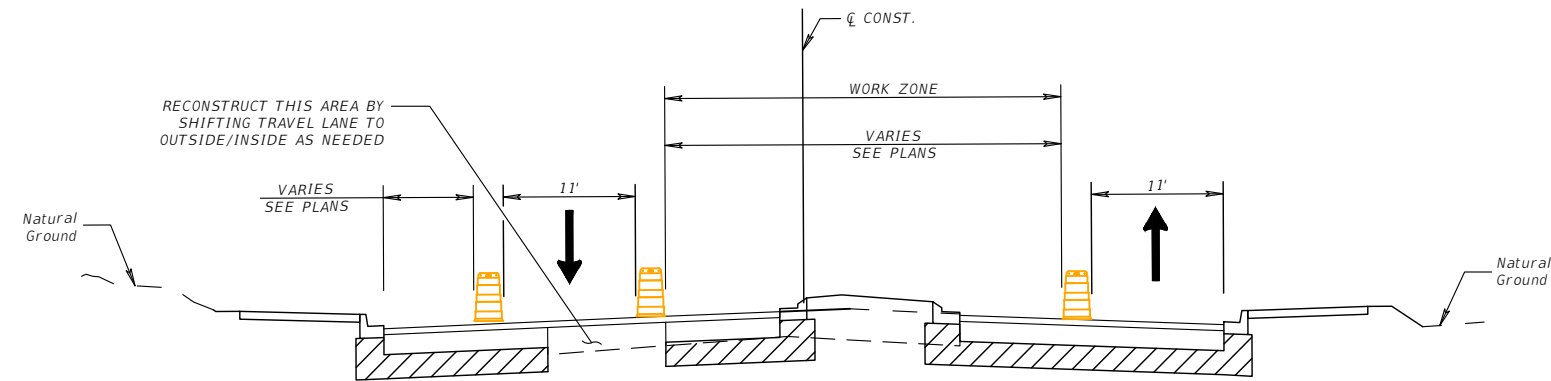
- HOLDING THE NORTHBOUND EDGE OF TRAVEL, PROVIDE THREE 10' TRAVEL LANES ON SIMPSON ROAD (ONE NORTHBOUND TRAVEL LANE, ONE SOUTHBOUND TRAVEL LANE, ONE CENTER TURN LANE)
- CLOSE THE SOUTHBOUND RIGHT TURN LANE ON SIMPSON ROAD
- CONSTRUCT THE LEFT SIDE OF SIMPSON ROAD
- CONSTRUCT ASPHALT MILLING/WEDGING AS NECESSARY BETWEEN EXISTING AND PROPOSED PAVEMENT TO MAINTAIN SIDE STREET/DRIVEWAY ACCESS AND POSITIVE DRAINAGE DURING OFF PEAK HOURS WITH TEMPORARY LANE CLOSURES

PHASE I  
SIMPSON ROAD - STA. 203+40+/- TO 210+00+/-  
TYPICAL SECTION #1 AT STA. 206+50



- SHIFT TRAFFIC INTO THREE 11' TRAVEL LANES ON SIMPSON ROAD (ONE NORTHBOUND TRAVEL LANE, ONE SOUTHBOUND TRAVEL LANE, ONE CENTER TURN LANE) ON THE LEFT SIDE OF SIMPSON ROAD
- CLOSE THE SOUTHBOUND RIGHT TURN LANE ON SIMPSON ROAD
- CONSTRUCT THE RIGHT SIDE OF SIMPSON ROAD
- CONSTRUCT ASPHALT MILLING/WEDGING AS NECESSARY BETWEEN EXISTING AND PROPOSED PAVEMENT TO MAINTAIN SIDE STREET/DRIVEWAY ACCESS AND POSITIVE DRAINAGE DURING OFF PEAK HOURS WITH TEMPORARY LANE CLOSURES

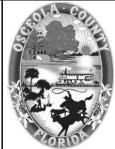
PHASE II  
SIMPSON ROAD - STA. 203+40+/- TO 210+00+/-  
TYPICAL SECTION #1 AT STA. 206+50



- KEEP SOUTHBOUND TRAFFIC ON THE OUTSIDE OF SOUTHBOUND SIMPSON ROAD AND SHIFT NORTHBOUND TRAFFIC TO THE OUTSIDE OF NORTHBOUND SIMPSON ROAD
- CLOSE THE INSIDE LANES AND COMPLETE THE MEDIAN WORK ON SIMPSON ROAD

PHASE III  
SIMPSON ROAD - STA. 203+40+/- TO 210+00+/-  
TYPICAL SECTION #1 AT STA. 206+50

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

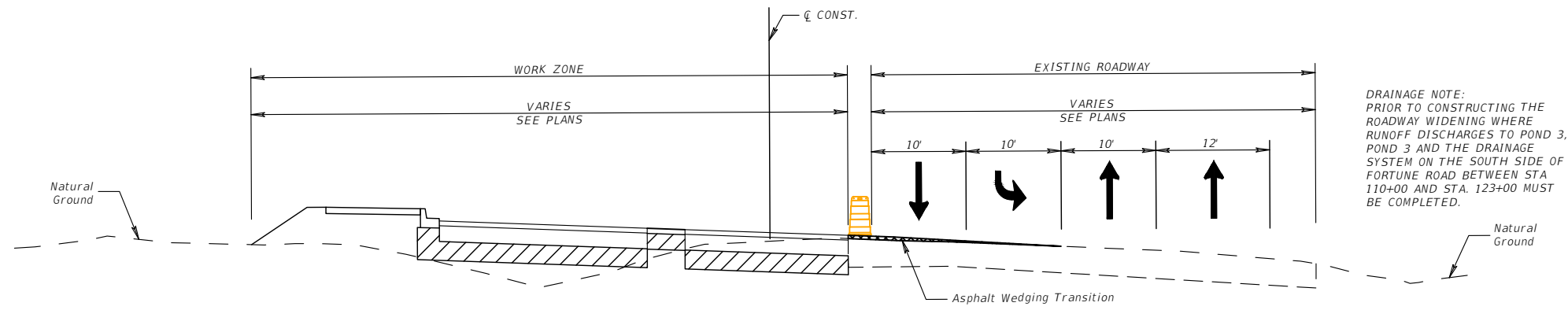


OSCEOLA COUNTY  
FLORIDA

TRAFFIC CONTROL TYPICAL  
SECTION SIMPSON ROAD SHEET 1

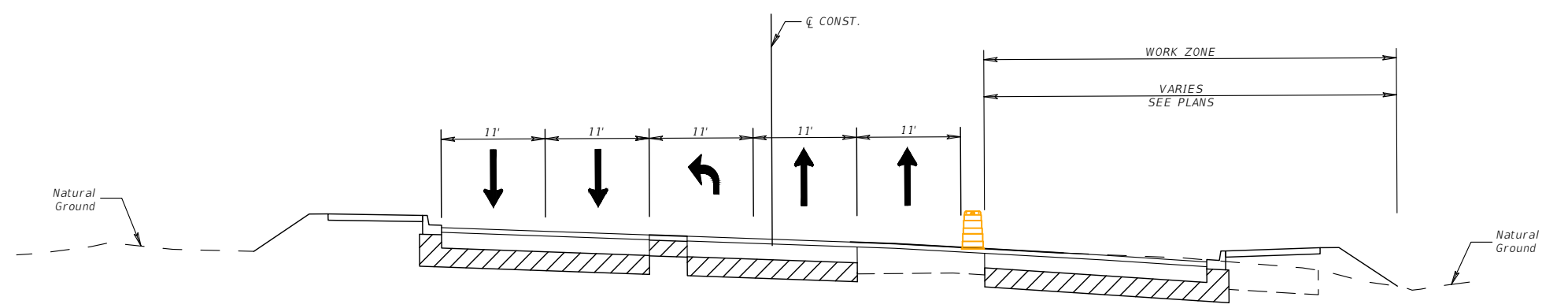
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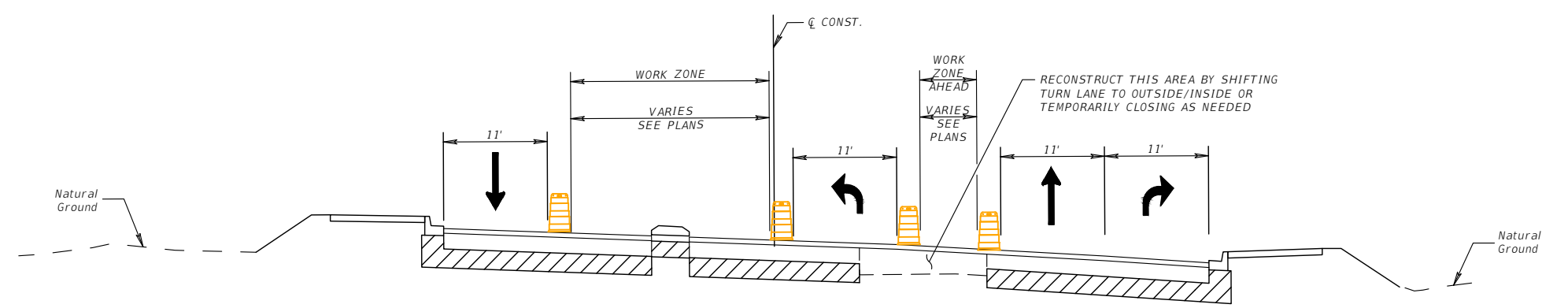
- HOLDING THE OUTSIDE NORTHBOUND TRAVEL LANE, PROVIDE THREE ADDITIONAL 10' TRAVEL LANES ON SIMPSON ROAD (ONE NORTHBOUND TRAVEL LANE, ONE SOUTHBOUND TRAVEL LANE, ONE CENTER TURN LANE)
- CLOSE THE SOUTHBOUND RIGHT TURN LANE ON SIMPSON ROAD
- CONSTRUCT THE LEFT SIDE OF SIMPSON ROAD
- CONSTRUCT ASPHALT MILLING/WEDGING AS NECESSARY BETWEEN EXISTING AND PROPOSED PAVEMENT TO MAINTAIN SIDE STREET/DRIVEWAY ACCESS AND POSITIVE DRAINAGE DURING OFF PEAK HOURS WITH TEMPORARY LANE CLOSURES

**PHASE I**  
**SIMPSON ROAD - STA. 210+00+/- TO 215+00+/-**  
**TYPICAL SECTION #2 AT STA. 213+50**



- SHIFT TRAFFIC INTO FIVE 11' TRAVEL LANES ON SIMPSON ROAD (TWO NORTHBOUND TRAVEL LANES, TWO SOUTHBOUND TRAVEL LANES, ONE CENTER TURN LANE) ON THE LEFT SIDE OF SIMPSON ROAD
- CONSTRUCT THE RIGHT SIDE OF SIMPSON ROAD
- CONSTRUCT ASPHALT MILLING/WEDGING AS NECESSARY BETWEEN EXISTING AND PROPOSED PAVEMENT TO MAINTAIN SIDE STREET/DRIVEWAY ACCESS AND POSITIVE DRAINAGE DURING OFF PEAK HOURS WITH TEMPORARY LANE CLOSURES

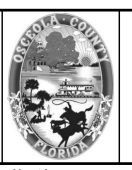
**PHASE II**  
**SIMPSON ROAD - STA. 210+00+/- TO 215+00+/-**  
**TYPICAL SECTION #2 AT STA. 213+50**



- KEEP SOUTHBOUND TRAFFIC ON THE OUTSIDE OF SOUTHBOUND SIMPSON ROAD AND SHIFT NORTHBOUND TRAFFIC TO THE OUTSIDE OF NORTHBOUND SIMPSON ROAD
- MAINTAIN THE RIGHT NORTHBOUND LEFT TURN LANE ON SIMPSON ROAD AT FORTUNE ROAD
- CLOSE THE INSIDE LANES AND COMPLETE THE MEDIAN WORK ON SIMPSON ROAD

**PHASE III**  
**SIMPSON ROAD - STA. 210+00+/- TO 215+00+/-**  
**TYPICAL SECTION #2 AT STA. 213+50**

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



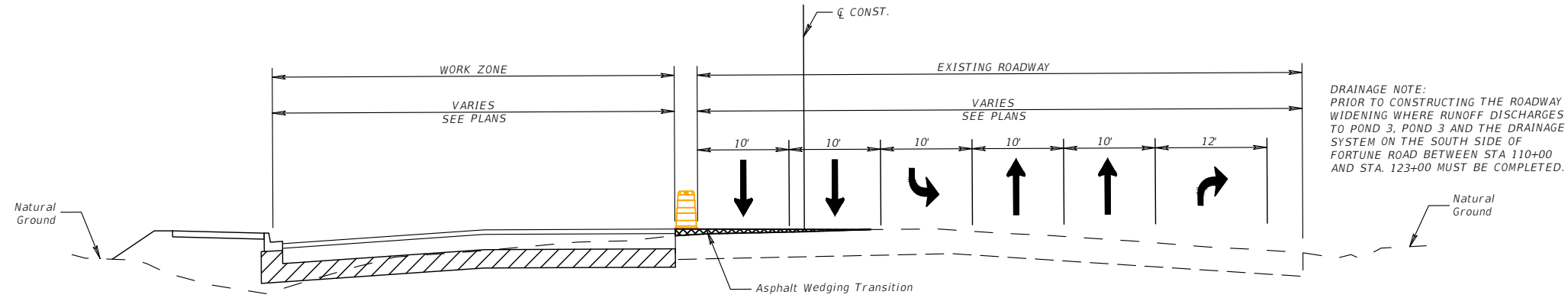
**OSCEOLA COUNTY  
 FLORIDA**

**TRAFFIC CONTROL TYPICAL  
 SECTION SIMPSON ROAD SHEET**  
**2**

SHEET NO.  
**189**

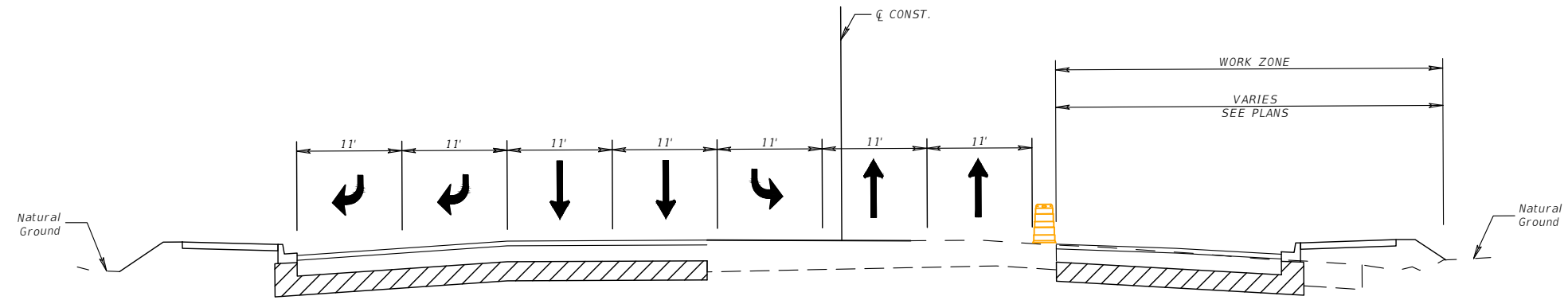
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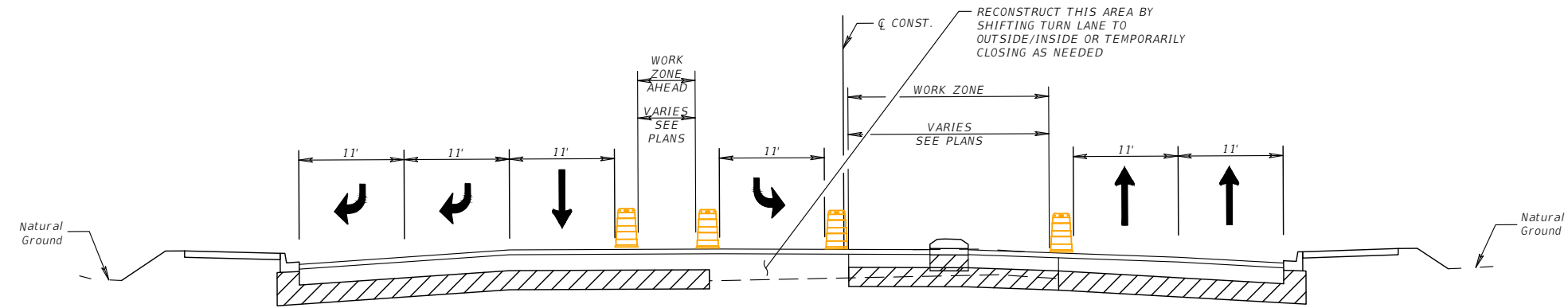
- HOLDING THE NORTHBOUND EDGE OF TRAVEL, PROVIDE FIVE 10' TRAVEL LANES ON SIMPSON ROAD (TWO NORTHBOUND TRAVEL LANES, TWO SOUTHBOUND TRAVEL LANES, ONE CENTER TURN LANE)
- CLOSE THE FREE FLOW SOUTHBOUND RIGHT TURN LANE ON SIMPSON ROAD AT FORTUNE ROAD
- CONSTRUCT THE LEFT SIDE OF SIMPSON ROAD
- CONSTRUCT ASPHALT MILLING/WEDGING AS NECESSARY BETWEEN EXISTING AND PROPOSED PAVEMENT TO MAINTAIN SIDE STREET/DRIVEWAY ACCESS AND POSITIVE DRAINAGE DURING OFF PEAK HOURS WITH TEMPORARY LANE CLOSURES

**PHASE I**  
 SIMPSON ROAD - STA. 215+00+/- TO 219+00+/-  
 TYPICAL SECTION #3 AT STA. 217+50



- SHIFT TRAFFIC INTO SIX 11' TRAVEL LANES ON SIMPSON ROAD (TWO NORTHBOUND TRAVEL LANES, THREE SOUTHBOUND TRAVEL LANES, ONE CENTER TURN LANE) ON THE LEFT SIDE OF SIMPSON ROAD
- PROVIDE AN ADDITIONAL SOUTHBOUND RIGHT TURN LANE ON SIMPSON ROAD AT FORTUNE ROAD
- CONSTRUCT THE RIGHT SIDE OF SIMPSON ROAD
- CONSTRUCT ASPHALT MILLING/WEDGING AS NECESSARY BETWEEN EXISTING AND PROPOSED PAVEMENT TO MAINTAIN SIDE STREET/DRIVEWAY ACCESS AND POSITIVE DRAINAGE DURING OFF PEAK HOURS WITH TEMPORARY LANE CLOSURES

**PHASE II**  
 SIMPSON ROAD - STA. 215+00+/- TO 219+00+/-  
 TYPICAL SECTION #3 AT STA. 217+50

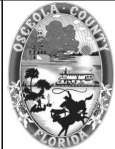


- KEEP SOUTHBOUND TRAFFIC ON THE OUTSIDE OF SOUTHBOUND SIMPSON ROAD AND SHIFT NORTHBOUND TRAFFIC TO THE OUTSIDE OF NORTHBOUND SIMPSON ROAD
- MAINTAIN THE LEFT SOUTHBOUND LEFT TURN LANE ON SIMPSON ROAD AT FORTUNE ROAD
- CLOSE THE INSIDE LANES AND COMPLETE THE MEDIAN WORK ON SIMPSON ROAD

**PHASE III**  
 SIMPSON ROAD - STA. 215+00+/- TO 219+00+/-  
 TYPICAL SECTION #3 AT STA. 217+50

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION


 Engineers | Scientists  
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 Orlando, FL 32801 (407)839-4006  
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 Mark F. Bertocini, P.E.  
 PE # 63437

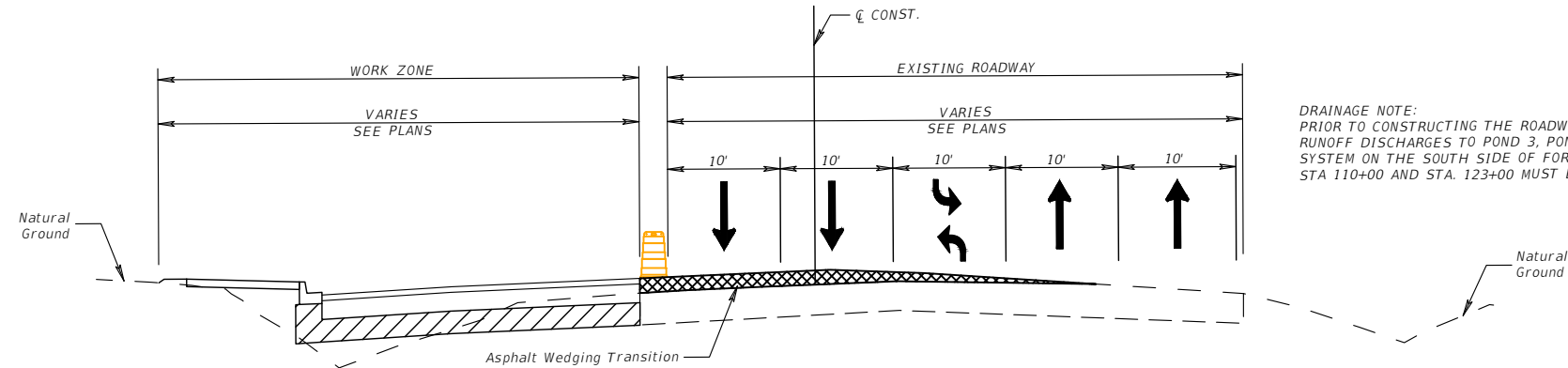


OSCEOLA COUNTY  
 FLORIDA

**TRAFFIC CONTROL TYPICAL  
 SECTION SIMPSON ROAD SHEET**  
 3

SHEET  
 NO.  
 190

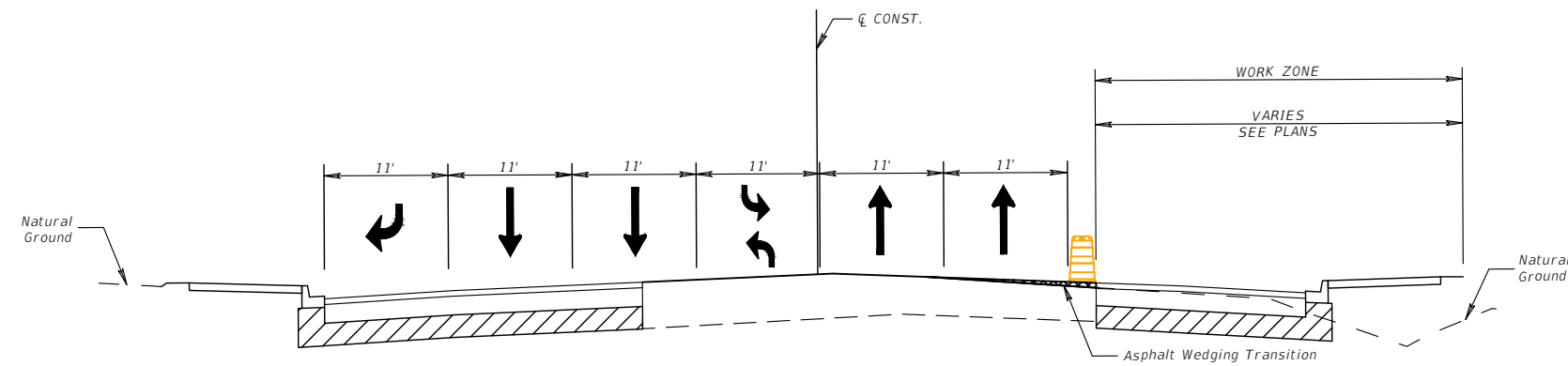
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STA 110+00 AND STA. 123+00 MUST BE COMPLETED.

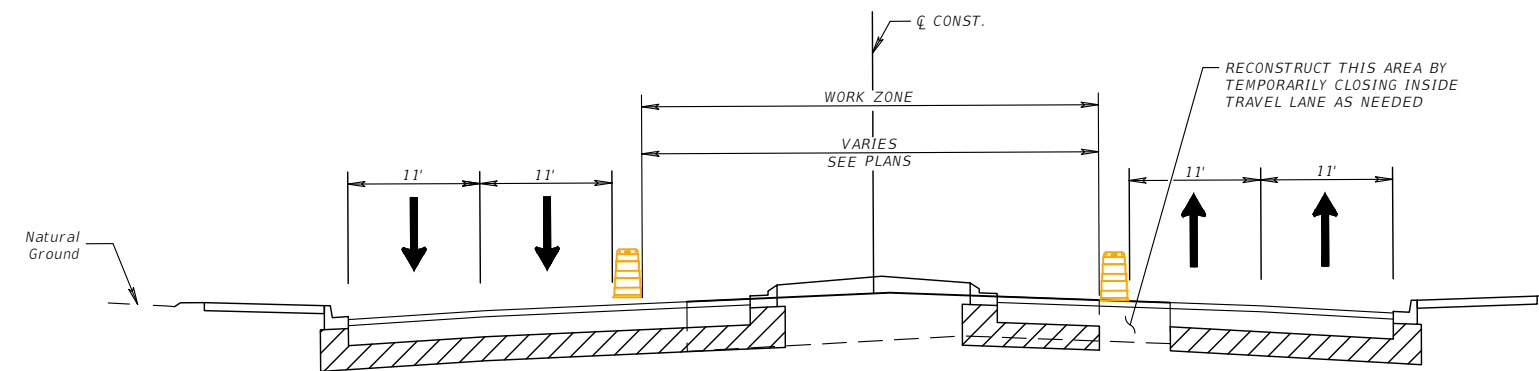
- HOLDING THE NORTHBOUND EDGE OF TRAVEL, PROVIDE FIVE 10' TRAVEL LANES ON SIMPSON ROAD (TWO NORTHBOUND TRAVEL LANES, TWO SOUTHBOUND TRAVEL LANES, ONE CENTER TURN LANE)
- CONSTRUCT THE LEFT SIDE OF SIMPSON ROAD
- CONSTRUCT ASPHALT MILLING/WEDGING BETWEEN EXISTING AND PROPOSED PAVEMENT TO MAINTAIN SIDE STREET/DRIVEWAY ACCESS AND POSITIVE DRAINAGE DURING OFF PEAK HOURS WITH TEMPORARY LANE CLOSURES

PHASE I  
SIMPSON ROAD - STA. 219+00+/- TO 235+40+/-  
TYPICAL SECTION #4 AT STA. 232+50



- SHIFT TRAFFIC INTO SIX 11' TRAVEL LANES ON SIMPSON ROAD (TWO NORTHBOUND TRAVEL LANES, THREE SOUTHBOUND TRAVEL LANES, ONE CENTER TURN LANE) ON THE LEFT SIDE OF SIMPSON ROAD
- CONSTRUCT THE RIGHT SIDE OF SIMPSON ROAD
- CONSTRUCT ASPHALT MILLING/WEDGING AS NECESSARY BETWEEN EXISTING AND PROPOSED PAVEMENT TO MAINTAIN SIDE STREET/DRIVEWAY ACCESS AND POSITIVE DRAINAGE DURING OFF PEAK HOURS WITH TEMPORARY LANE CLOSURES

PHASE II  
SIMPSON ROAD - STA. 219+00+/- TO 235+40+/-  
TYPICAL SECTION #4 AT STA. 232+50

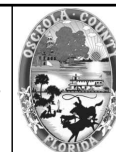


- KEEP SOUTHBOUND TRAFFIC ON THE OUTSIDE OF SOUTHBOUND SIMPSON ROAD AND SHIFT NORTHBOUND TRAFFIC TO THE OUTSIDE OF NORTHBOUND SIMPSON ROAD
- CLOSE THE INSIDE LANES AND COMPLETE THE MEDIAN WORK ON SIMPSON ROAD

PHASE III  
SIMPSON ROAD - STA. 219+00+/- TO 235+40+/-  
TYPICAL SECTION #4 AT STA. 232+50

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION


 Engineers | Scientists  
 Planners | Designers  
 225 E. Robinson Street, Suite 300  
 Orlando, FL 32801 (407)839-4006  
 Certificate of Authorization # 3932  
 Mark F. Bertocini, P.E.  
 PE # 63437



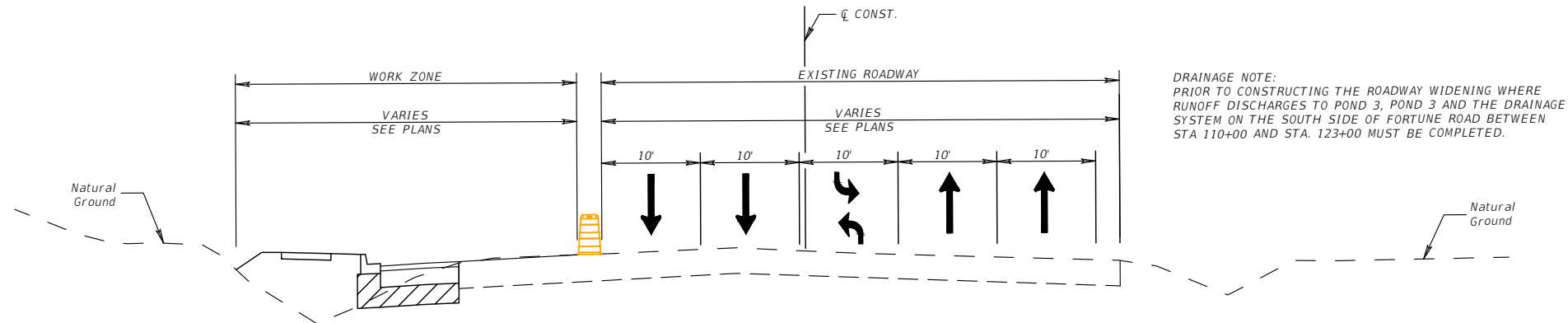
OSCEOLA COUNTY  
FLORIDA

TRAFFIC CONTROL TYPICAL  
SECTION SIMPSON ROAD SHEET

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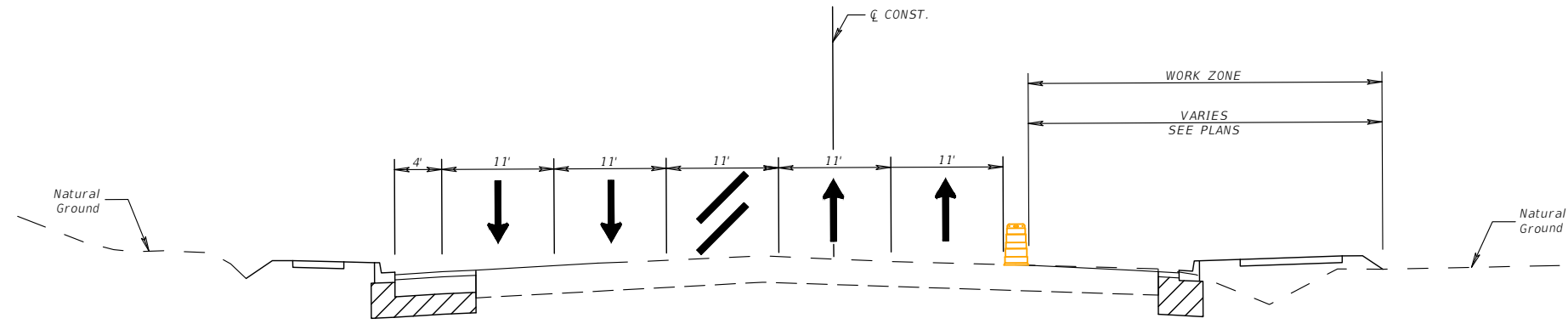
191



DRAINAGE NOTE:  
PRIOR TO CONSTRUCTING THE ROADWAY WIDENING WHERE  
RUNOFF DISCHARGES TO POND 3, POND 3 AND THE DRAINAGE  
SYSTEM ON THE SOUTH SIDE OF FORTUNE ROAD BETWEEN  
STA 110+00 AND STA. 123+00 MUST BE COMPLETED.

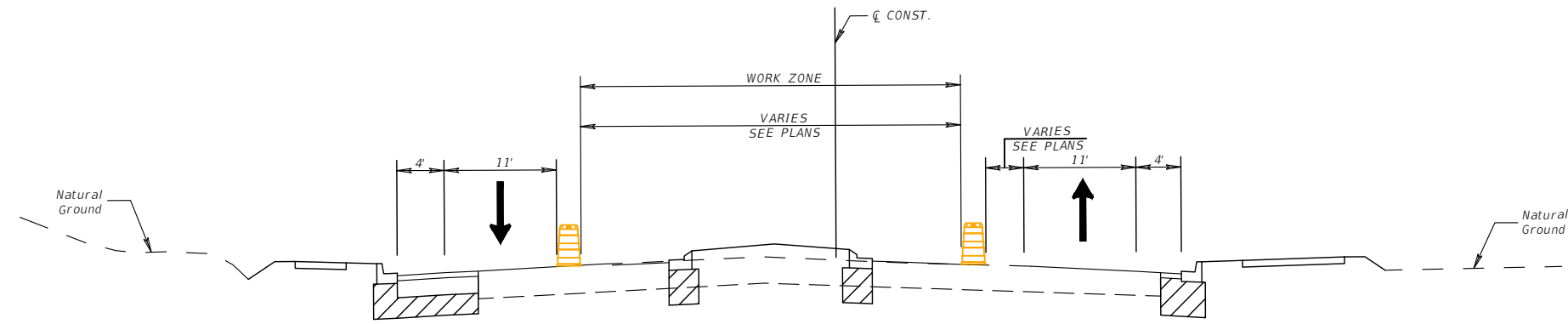
- HOLDING THE OUTSIDE EASTBOUND TRAVEL LANE, PROVIDE FOUR 10' TRAVEL LANES ON FORTUNE ROAD (ONE EASTBOUND TRAVEL LANE, TWO WESTBOUND TRAVEL LANES, ONE CENTER TURN LANE)
- CLOSE THE WESTBOUND RIGHT TURN LANE ON FORTUNE ROAD
- CONSTRUCT THE LEFT SIDE OF FORTUNE ROAD
- CONSTRUCT ASPHALT MILLING/WEDGING AS NECESSARY BETWEEN EXISTING AND PROPOSED PAVEMENT TO MAINTAIN SIDE STREET/DRIVEWAY ACCESS AND POSITIVE DRAINAGE DURING OFF PEAK HOURS WITH TEMPORARY LANE CLOSURES

PHASE I  
FORTUNE ROAD - STA. 110+50+/- TO 115+00+/-  
TYPICAL SECTION #1 AT STA. 112+50



- SHIFT TRAFFIC INTO FIVE 11' TRAVEL LANES ON FORTUNE ROAD (TWO EASTBOUND TRAVEL LANES, TWO WESTBOUND TRAVEL LANES, ONE CENTER TURN LANE) ON THE LEFT SIDE OF FORTUNE ROAD
- CONSTRUCT THE RIGHT SIDE OF FORTUNE ROAD
- CONSTRUCT ASPHALT MILLING/WEDGING AS NECESSARY BETWEEN EXISTING AND PROPOSED PAVEMENT TO MAINTAIN SIDE STREET/DRIVEWAY ACCESS AND POSITIVE DRAINAGE DURING OFF PEAK HOURS WITH TEMPORARY LANE CLOSURES

PHASE II  
FORTUNE ROAD - STA. 110+50+/- TO 115+00+/-  
TYPICAL SECTION #1 AT STA. 112+50



- KEEP WESTBOUND TRAFFIC ON THE OUTSIDE OF WESTBOUND FORTUNE ROAD AND SHIFT EASTBOUND TRAFFIC TO THE OUTSIDE OF EASTBOUND FORTUNE ROAD
- CLOSE THE INSIDE LANES AND COMPLETE THE MEDIAN WORK ON FORTUNE ROAD

PHASE III  
FORTUNE ROAD - STA. 110+50+/- TO 115+00+/-  
TYPICAL SECTION #1 AT STA. 112+50

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineers | Scientists  
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PE # 63437

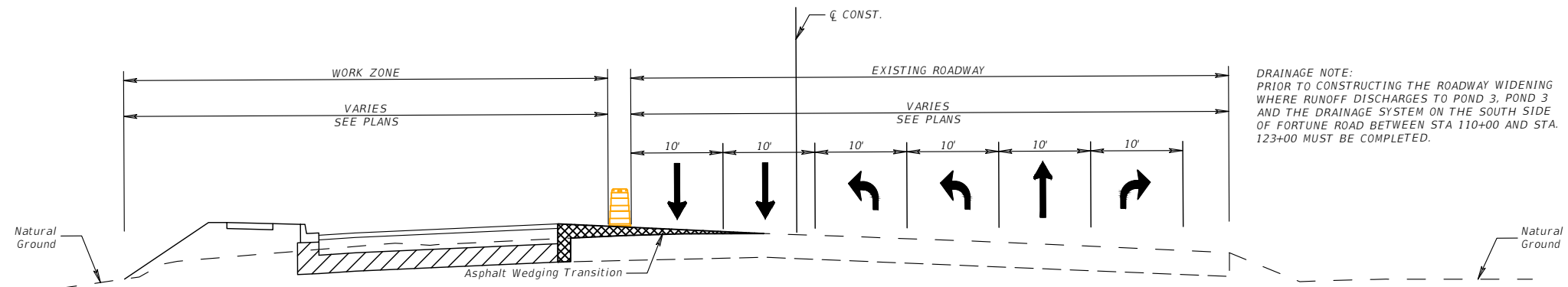


OSCEOLA COUNTY  
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TRAFFIC CONTROL TYPICAL  
SECTION FORTUNE ROAD SHEET  
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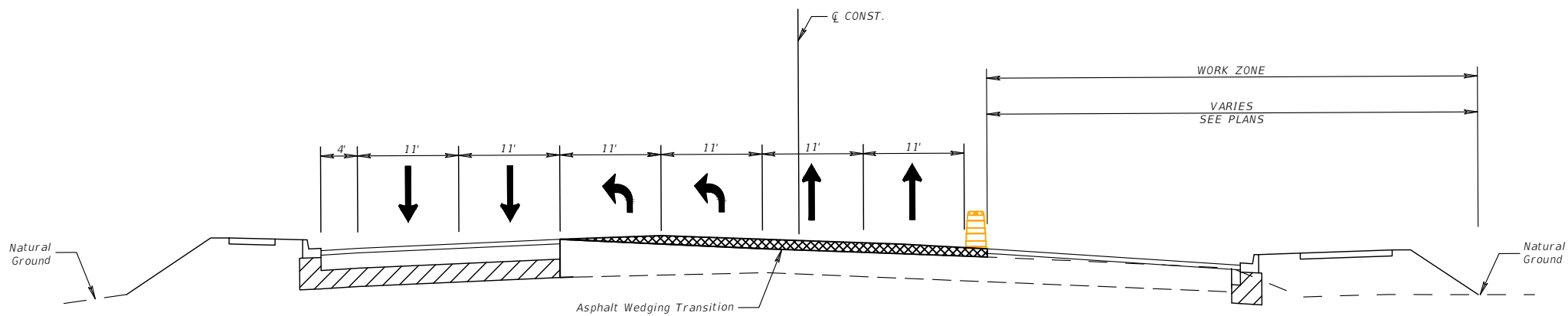
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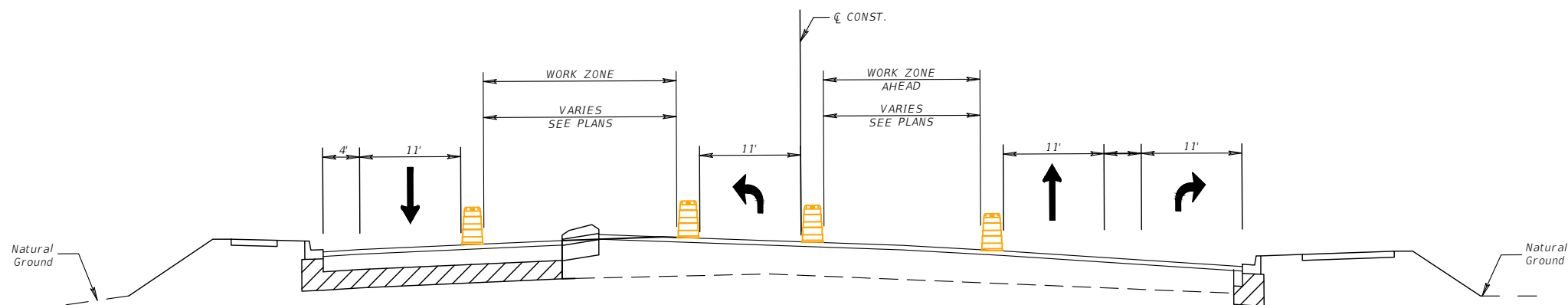
- HOLDING THE OUTSIDE EASTBOUND TRAVEL LANE, PROVIDE FOUR ADDITIONAL 10' TRAVEL LANES ON FORTUNE ROAD (TWO EASTBOUND LEFT TURN LANES, TWO WESTBOUND TRAVEL LANES)
- CLOSE THE WESTBOUND RIGHT TURN LANE ON FORTUNE ROAD
- CONSTRUCT THE LEFT SIDE OF FORTUNE ROAD
- CONSTRUCT ASPHALT MILLING/WEDGING AS NECESSARY BETWEEN EXISTING AND PROPOSED PAVEMENT TO MAINTAIN SIDE STREET/DRIVEWAY ACCESS AND POSITIVE DRAINAGE DURING OFF PEAK HOURS WITH TEMPORARY LANE CLOSURES

PHASE I  
 FORTUNE ROAD - STA. 115+00+/- TO 124+00+/-  
 TYPICAL SECTION #2 AT STA. 121+50



- SHIFT TRAFFIC INTO SIX 11' TRAVEL LANES ON FORTUNE ROAD (TWO EASTBOUND TRAVEL LANES, TWO EASTBOUND LEFT TURN LANES, TWO WESTBOUND TRAVEL LANES) ON THE LEFT SIDE OF FORTUNE ROAD
- CONSTRUCT THE RIGHT SIDE OF FORTUNE ROAD
- CONSTRUCT ASPHALT MILLING/WEDGING AS NECESSARY BETWEEN EXISTING AND PROPOSED PAVEMENT TO MAINTAIN SIDE STREET/DRIVEWAY ACCESS AND POSITIVE DRAINAGE DURING OFF PEAK HOURS WITH TEMPORARY LANE CLOSURES

PHASE II  
 FORTUNE ROAD - STA. 115+00+/- TO 124+00+/-  
 TYPICAL SECTION #2 AT STA. 121+50



- KEEP WESTBOUND TRAFFIC ON THE OUTSIDE OF WESTBOUND FORTUNE ROAD AND SHIFT EASTBOUND TRAFFIC TO THE OUTSIDE OF EASTBOUND FORTUNE ROAD
- MAINTAIN THE RIGHT EASTBOUND LEFT TURN LANE ON FORTUNE ROAD AT SIMPSON ROAD
- CLOSE THE INSIDE LANES AND COMPLETE THE MEDIAN WORK ON FORTUNE ROAD

PHASE III  
 FORTUNE ROAD - STA. 115+00+/- TO 124+00+/-  
 TYPICAL SECTION #2 AT STA. 121+50

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

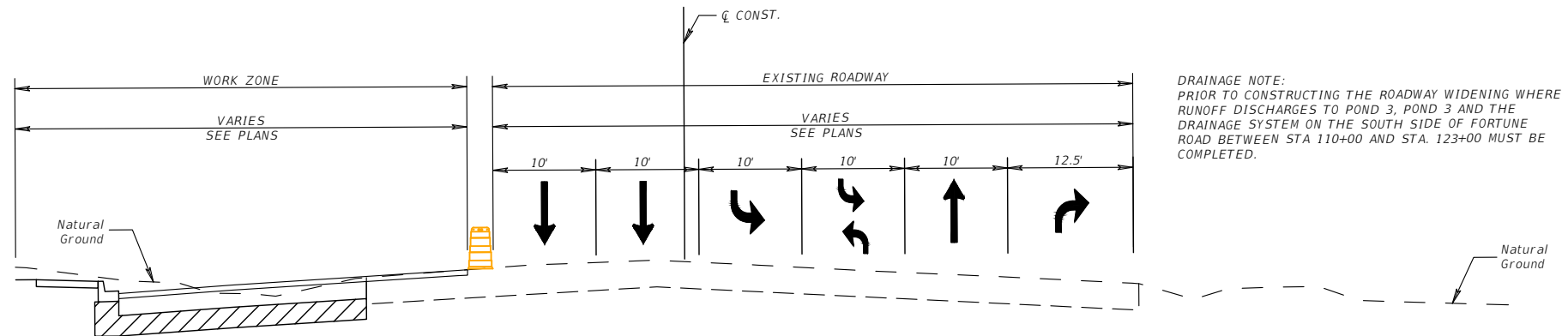

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OSCEOLA COUNTY  
 FLORIDA

TRAFFIC CONTROL TYPICAL  
 SECTION FORTUNE ROAD SHEET  
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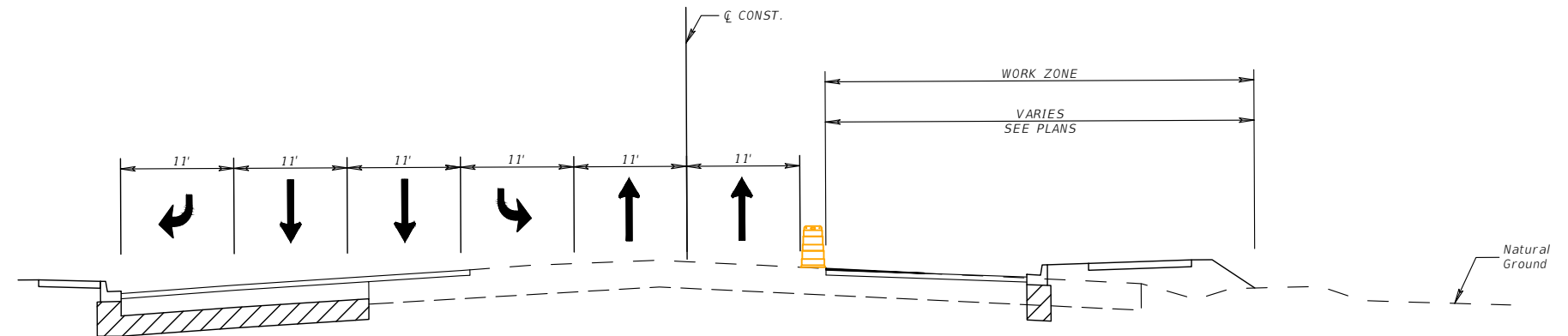
SHEET  
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DRAINAGE NOTE:  
PRIOR TO CONSTRUCTING THE ROADWAY WIDENING WHERE  
RUNOFF DISCHARGES TO POND 3, POND 3 AND THE  
DRAINAGE SYSTEM ON THE SOUTH SIDE OF FORTUNE  
ROAD BETWEEN STA 110+00 AND STA. 123+00 MUST BE  
COMPLETED.

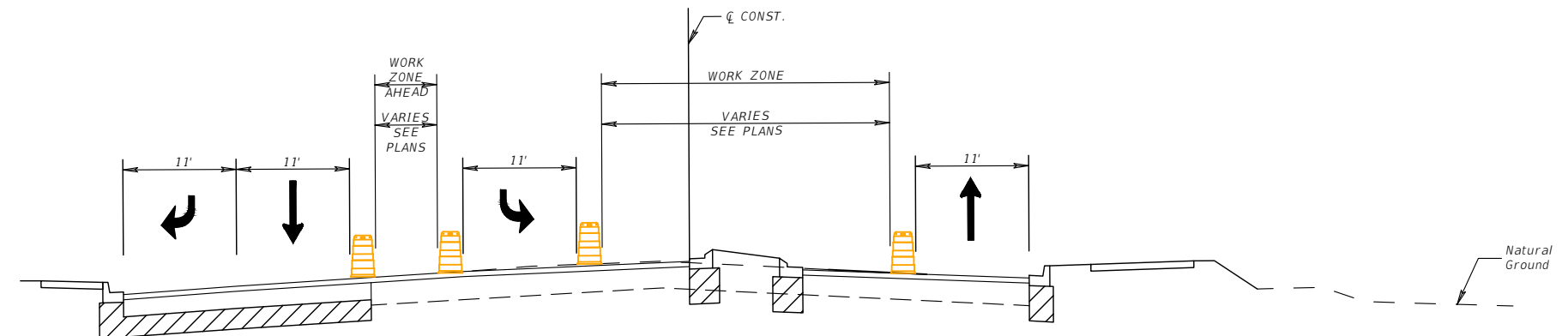
- HOLDING THE OUTSIDE EASTBOUND TRAVEL LANE, PROVIDE FOUR ADDITIONAL 10' TRAVEL LANES ON FORTUNE ROAD (TWO WESTBOUND TRAVEL LANES, ONE WESTBOUND LEFT TURN LANE, ONE CENTER TURN LANE)
- CLOSE THE WESTBOUND RIGHT TURN LANE ON FORTUNE ROAD
- CONSTRUCT THE LEFT SIDE OF FORTUNE ROAD
- CONSTRUCT ASPHALT MILLING/WEDGING AS NECESSARY BETWEEN EXISTING AND PROPOSED PAVEMENT TO MAINTAIN SIDE STREET/DRIVEWAY ACCESS AND POSITIVE DRAINAGE DURING OFF PEAK HOURS WITH TEMPORARY LANE CLOSURES

PHASE I  
FORTUNE ROAD - STA. 124+00+/- TO 133+50+/-  
TYPICAL SECTION #3 AT STA. 127+50



- SHIFT TRAFFIC INTO SIX 11' TRAVEL LANES ON FORTUNE ROAD (TWO EASTBOUND TRAVEL LANES, ONE WESTBOUND RIGHT TURN LANE, TWO WESTBOUND TRAVEL LANES, ONE WESTBOUND LEFT TURN LANE) ON THE LEFT SIDE OF FORTUNE ROAD
- CONSTRUCT THE RIGHT SIDE OF FORTUNE ROAD
- CONSTRUCT ASPHALT MILLING/WEDGING AS NECESSARY BETWEEN EXISTING AND PROPOSED PAVEMENT TO MAINTAIN SIDE STREET/DRIVEWAY ACCESS AND POSITIVE DRAINAGE DURING OFF PEAK HOURS WITH TEMPORARY LANE CLOSURES

PHASE II  
FORTUNE ROAD - STA. 124+00+/- TO 133+50+/-  
TYPICAL SECTION #3 AT STA. 127+50

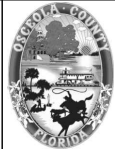


- KEEP WESTBOUND TRAFFIC ON THE OUTSIDE OF WESTBOUND FORTUNE ROAD AND SHIFT EASTBOUND TRAFFIC TO THE OUTSIDE OF EASTBOUND FORTUNE ROAD
- MAINTAIN THE LEFT WESTBOUND LEFT TURN LANE ON FORTUNE ROAD AT SIMPSON ROAD
- CLOSE THE INSIDE LANES AND COMPLETE THE MEDIAN WORK ON ON FORTUNE ROAD

PHASE III  
FORTUNE ROAD - STA. 124+00+/- TO 133+50+/-  
TYPICAL SECTION #3 AT STA. 127+50

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION


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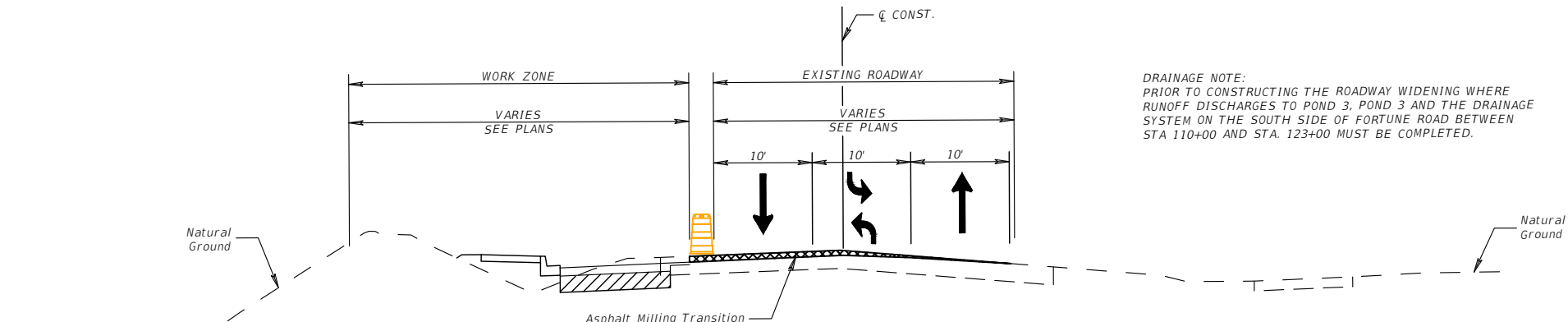
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TRAFFIC CONTROL TYPICAL  
SECTION FORTUNE ROAD SHEET  
3

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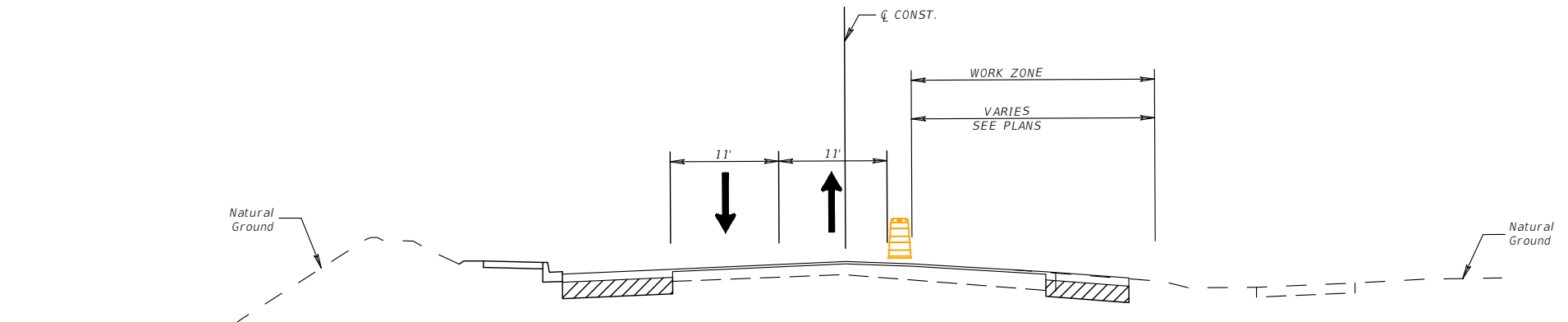




DRAINAGE NOTE:  
PRIOR TO CONSTRUCTING THE ROADWAY WIDENING WHERE  
RUNOFF DISCHARGES TO POND 3, POND 3 AND THE DRAINAGE  
SYSTEM ON THE SOUTH SIDE OF FORTUNE ROAD BETWEEN  
STA 110+00 AND STA. 123+00 MUST BE COMPLETED.

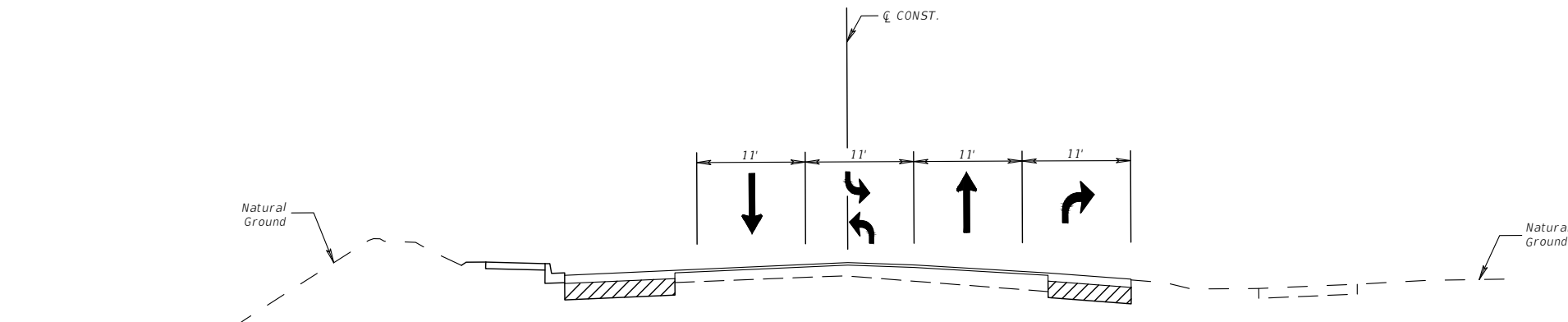
- HOLDING THE EASTBOUND EDGE OF TRAVEL, PROVIDE THREE 10' TRAVEL LANES ON FORTUNE ROAD (ONE EASTBOUND TRAVEL LANE, ONE WESTBOUND TRAVEL LANE, ONE CENTER TURN LANE)
- CONSTRUCT THE LEFT SIDE OF FORTUNE ROAD
- CONSTRUCT ASPHALT MILLING/WEDGING BETWEEN EXISTING AND PROPOSED PAVEMENT TO MAINTAIN SIDE STREET/DRIVEWAY ACCESS AND POSITIVE DRAINAGE DURING OFF PEAK HOURS WITH TEMPORARY LANE CLOSURES

**PHASE I**  
FORTUNE ROAD - STA. 133+50+/- TO 142+61+/-  
TYPICAL SECTION #4 AT STA. 139+50



- SHIFT TRAFFIC INTO TWO 11' TRAVEL LANES ON FORTUNE ROAD (ONE EASTBOUND TRAVEL LANE, ONE WESTBOUND TRAVEL LANE) ON THE LEFT SIDE OF FORTUNE ROAD
- CONSTRUCT THE RIGHT SIDE OF FORTUNE ROAD
- CONSTRUCT ASPHALT MILLING/WEDGING AS NECESSARY BETWEEN EXISTING AND PROPOSED PAVEMENT TO MAINTAIN SIDE STREET/DRIVEWAY ACCESS AND POSITIVE DRAINAGE DURING OFF PEAK HOURS WITH TEMPORARY LANE CLOSURES

**PHASE II**  
FORTUNE ROAD - STA. 133+50+/- TO 142+61+/-  
TYPICAL SECTION #4 AT STA. 139+50



- KEEP WESTBOUND TRAFFIC ON THE OUTSIDE OF WESTBOUND FORTUNE ROAD AND SHIFT EASTBOUND TRAFFIC TO THE OUTSIDE OF EASTBOUND FORTUNE ROAD
- CLOSE THE INSIDE LANES AND COMPLETE THE MEDIAN WORK ON FORTUNE ROAD

**PHASE III**  
FORTUNE ROAD - STA. 133+50+/- TO 142+61+/-  
TYPICAL SECTION #4 AT STA. 139+50

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineers | Scientists  
Planners | Designers  
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PE # 63437



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TRAFFIC CONTROL TYPICAL  
SECTION FORTUNE ROAD SHEET  
4

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