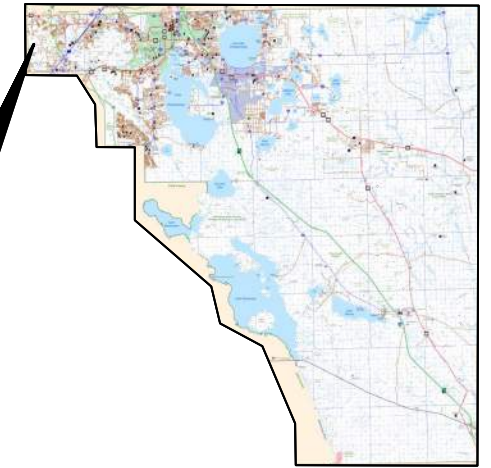




OSCEOLA COUNTY, FLORIDA TRANSPORTATION AND TRANSIT DEPARTMENT CONTRACT PLANS FOR WESTSIDE BLVD EXTENSION

PROJECT LOCATION
GOOGLE MAPS LINK



Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked.

Check positive response codes before you dig!

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2022-2023 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: <https://www.fdot.gov/design/standardplans>

GOVERNING STANDARD SPECIFICATIONS:

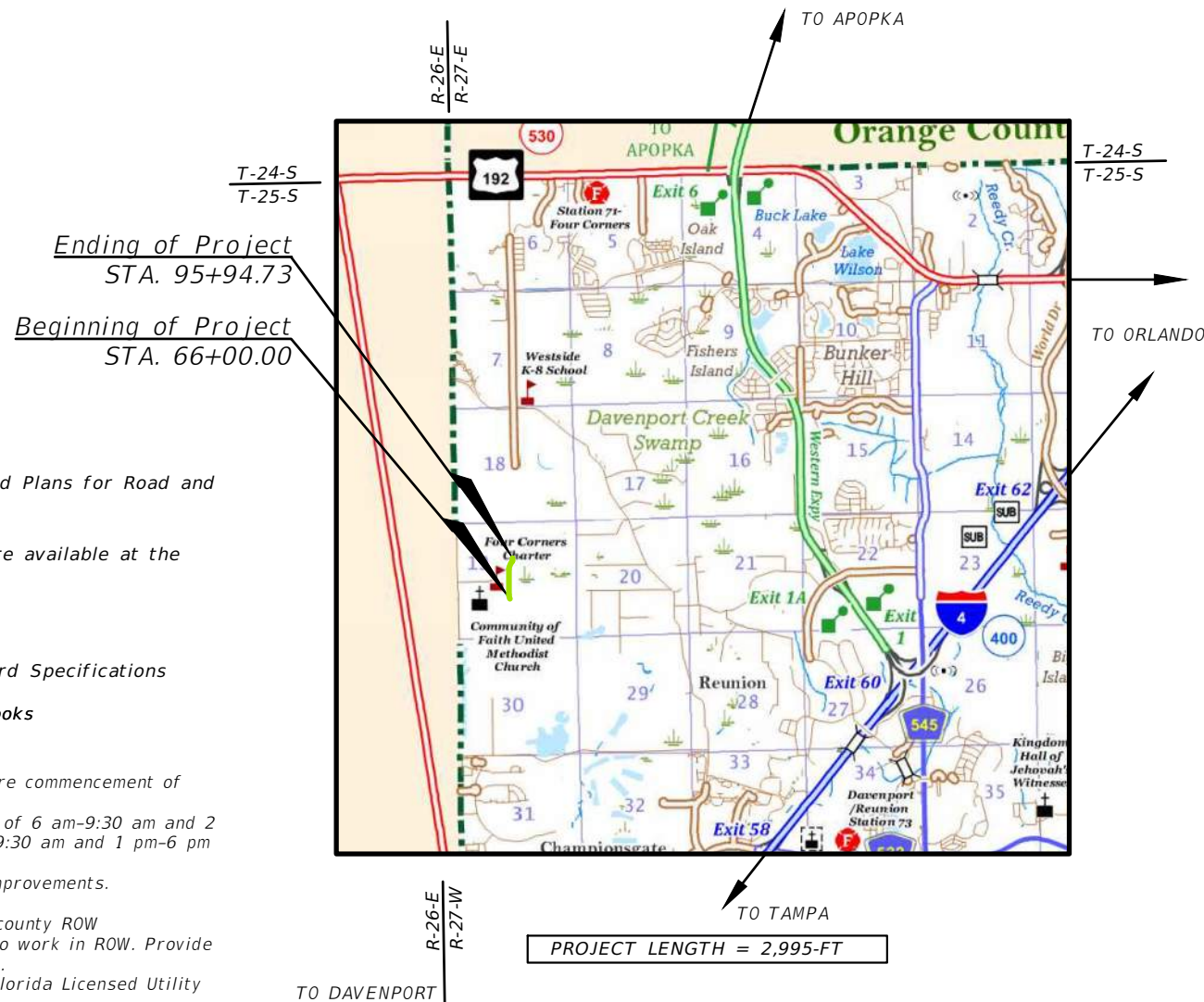
Florida Department of Transportation, January 2022 Standard Specifications for Road and Bridge Construction at the following website: <https://www.fdot.gov/programmanagement/Implemented/SpecBooks>

OSCEOLA COUNTY NOTES:

- a. All applicable state and federal permits must be obtained before commencement of development on or off site.
- b. No lane closure shall occur on any roadway between the hours of 6 am-9:30 am and 2 pm-6 pm on Monday, Tuesday, Thursday, and Friday and 6 am-9:30 am and 1 pm-6 pm on Wednesdays.
- c. Must have MOT certified field personnel overseeing roadway improvements.
- d. A Bond or Letter of Credit is required.
- e. Contractor's Insurance certificate is required for work within county ROW
- f. Notification must be provided to all Right of Way users prior to work in ROW. Provide verification to Inspections prior to pre-construction conference.
- g. All underground utilities installation must be performed by a Florida Licensed Utility Contractor.
- h. A "Gas Notification #" and/or Sunshine ticket #

BOARD OF COUNTY COMMISSIONERS

PEGGY CHOUDHRY DISTRICT 1 COUNTY COMMISSIONER
VIVIANA JANER DISTRICT 2 COUNTY COMMISSIONER
BRANDON ARRINGTON DISTRICT 3 COUNTY COMMISSIONER
CHERYL GRIEB DISTRICT 4 COUNTY COMMISSIONER
RICKY BOOTH DISTRICT 5 COUNTY COMMISSIONER
TAWNY OLORE TRANSPORTATION DIRECTOR



PROJECT LENGTH = 2,995-FT

FINAL 60% PLANS
NOT FOR CONSTRUCTION
JUNE 2022

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

INDEX OF ROADWAY PLANS

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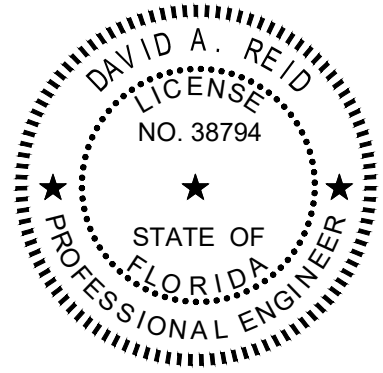
ROADWAY PLANS ENGINEER OF RECORD:



DAVID A. REID, P.E.
P.E. LICENSE NUMBER 38794
HAMILTON ENGINEERING & SURVEYING, LLC.
431 E. HORATIO AVE., SUITE 260
ORLANDO, FL 32751
(407) 629-8330 EXT 150
VENDOR NO: F431623092-009

SHEET NO.

1



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

DAVID A. REID, P.E.

ON THE DATE ADJACENT TO THE SEAL

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

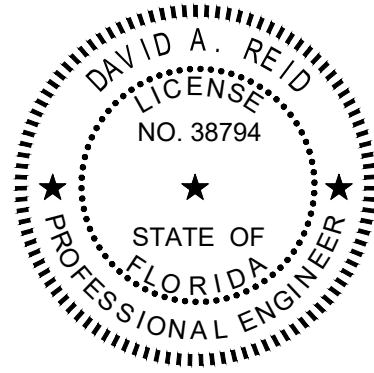
HAMILTON ENGINEERING & SURVEYING LLC
431 E. HORATIO AVE., SUITE 260
ORLANDO, FL 32751
DAVID A. REID, P.E. NO. 38794

This item has been digitally signed and sealed by David A. Reid, PE on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
1	KEY SHEET
2	SIGNATURE SHEET
7	TYPICAL SECTION
8	GENERAL NOTES
9	PROJECT LAYOUT
10 - 14	ROADWAY PLAN AND PROFILE
15 - 16	ROADWAY PLANS
28 - 30	BACK OF SIDEWALK PROFILES
31 - 50	CROSS SECTIONS
54	TEMPORARY TRAFFIC CONTROL NOTES
55 - 56	RIGHT-OF-WAY NEEDS EXHIBIT
61 - 63	SIGNING AND PAVEMENT MARKING
64 - 66	ROADWAY SOIL SURVEY
67 - 68	TREE DEPOSITION PLAN



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<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
5 - 6	DRAINAGE MAP
17 - 27	DRAINAGE STRUCTURES
51 - 53	DRAINAGE DETAILS
57 - 58	POND DETAILS
59 - 60	STORM WATER POLLUTION PREVENTION PLAN

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID A. REID, P.E.
P.E. LICENSE NUMBER 38794
HAMILTON ENGINEERING & SURVEYING, LLC
431 E. HORATIO AVE., SUITE 260
ORLANDO, FL 32751
(407) 362-5929 EXT 405



 **OSCEOLA COUNTY**
TRANSPORTATION AND TRANSIT
DEPARTMENT

SIGNATURE SHEET

SHEET NO.
2

NOTES TO REVIEWER

1. PROPOSED WORK AT EITHER END OF THE PROJECT ASSUMES THAT ADJACENT SECTIONS OF WESTSIDE BLVD ARE CONSTRUCTED PRIOR TO THIS PROJECT.
2. DESIGN FOR REMOVAL OF CUL DE SACS TO BE CONSTRUCTED ON WESTSIDE BLVD FOR ADJACENT SECTIONS TO BE COORDINATED AFTER FINAL 30% SUBMITTAL.
3. PROJECT CONTROLS TO BE PROVIDED IN FUTURE SUBMITTAL.
4. ROADWAY SOIL SURVEY TO BE PROVIDED AT FUTURE SUBMITTAL.
5. RIGHT OF WAY LINES SHOWN ON THE PLANS ARE BASED ON UNVERIFIED GIS INFORMATION.
6. PROPOSED DRAINAGE STRUCTURE LABELS AND PIPES HAVE BEEN ADDED FOR COST ESTIMATING PURPOSES ONLY. DESIGN FOR SECONDARY STORM SYSTEM TO BE PROVIDED IN FUTURE SUBMITTAL.
7. ALL CIP WALLS ARE TO BE DESIGNED BY OTHERS AND SHOP DRAWINGS ARE TO BE SUBMITTED BY THE CONTRACTOR

REVISIONS				 DAVID A. REID, P.E. P.E. LICENSE NUMBER 38794 HAMILTON ENGINEERING & SURVEYING, LLC 431 E. HORATIO AVE., SUITE 260 ORLANDO, FL 32751 (407) 362-5929 EXT 405	 OSCEOLA COUNTY TRANSPORTATION AND TRANSIT DEPARTMENT	NOTES TO REVIEWER	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				3

FDOT PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QTY
0101 1	MOBILIZATION	LS	X
0102 1	MAINTENANCE OF TRAFFIC	LS	X
0104 10 3	SEDIMENT BARRIER	LF	X
0104 11	FLOATING TURBIDITY BARRIER	LF	X
0104 15	SOIL TRACKING PREVENTION DEVICE	EA	X
0104 18	INLET PROTECTION SYSTEM	EA	X
0110 1 1	CLEARING & GRUBBING	AC	X
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	X
0120 1	REGULAR EXCAVATION	CY	X
0120 6	EMBANKMENT	CY	X
0160 4	TYPE B STABILIZATION	SY	X
0285709	OPTIMAL BASE, BASE GROUP 09	SY	X
0334 1 13	SUPERPAVE ASHPALTIC CONC. TRAFFIC C	TN	X
0337 7 85	ASPHALT CONCRETE FRICTION COURSE TRAFFIC D, FC-12.5, PG 76-22	TN	X
0425 1351	INLETS, CURB, TYPE P-5, <10'	EA	X
0425 1361	INLETS, CURB, TYPE P-6, <10'	EA	X
0425 1362	INLETS, CURB, TYPE P-6, >10'	EA	X
0425 1451	INLETS, CURB, TYPE J-5, <10'	EA	X
0425 1452	INLETS, CURB, TYPE J-5, >10'	EA	X
0425 1461	INLETS, CURB, TYPE J-6, <10'	EA	X
0425 1462	INLETS, CURB, TYPE J-6, >10'	EA	X
0425 1471	INLETS, CURB, TYPE 7, <10'	EA	X
0425 1474	INLETS, CURB, TYPE 7, J BOT, >10'	EA	X
0425 1521	INLETS, DT BOT, TYPE C, <10'	EA	X
0425 1531	INLETS, DT BOT, TYPE C MODIFIED - BACK OF SIDEWALK, <10'	EA	X
0425 1552	INLETS, DT BOT, TYPE E, >10'	EA	X
0425 1561	INLETS, DT BOT, TYPE F, <10'	EA	X
0425 1581	INLETS, DT BOT, TYPE H, <10'	EA	X
0425 1711	INLETS, GUTTER, TYPE V, <10'	EA	X
0425 2 41	MANHOLES, P-7, <10'	EA	X
0425 2 71	MANHOLES, J-7, <10'	EA	X
0430175112	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 12"S/CD	LF	X
0430175115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15"S/CD	LF	X
0430175118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"S/CD	LF	X
0430175124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"S/CD	LF	X
0430175130	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 30"S/CD	LF	X
0430175136	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 36"S/CD	LF	X
0430175142	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 42"S/CD	LF	X
0430175218	PIPE CULVERT, OPTIONAL MATERIAL, OTHER-ELIP/ARCH, 18"S/CD	LF	X
0430175230	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELIP/ARCH 30"S/CD	LF	X
0430175236	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELIP/ARCH 36"S/CD	LF	X
0430175260	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELIP/ARCH 60"S/CD	LF	X
0430524100	STRAIGHT CONCRETE ENDWALLS, 24", SINGLE, 0 DEGREES, ROUND	EA	X
0430560102	STRAIGHT CONCRETE ENDWALLS, 60", SINGLE, 0 DEGREES, ELLIPTICAL	EA	X
0430982125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA	X
0430982133	MITERED END SECTION, OPTIONAL ROUND, 30" CD	EA	X
0430982138	MITERED END SECTION, OPTIONAL ROUND, 36" CD	EA	X
0430982140	MITERED END SECTION, OPTIONAL ROUND, 42" CD	EA	X
0520 1 7	CONCRETE CURB & GUTTER, TYPE E	LF	X
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	X
0520 3	VALLEY GUTTER - CONCRETE	LF	X
0520 5 11	TRAFFIC SEPARATOR CONCRETE-TYPE 1, 4' WIDE	LF	X
0520 5 12	TRAFFIC SEPARATOR CONCRETE-TYPE 1, 6' WIDE	LF	X
0520 70	CONCRETE TRAFFIC SEPARATOR, SPECIAL - VARIABLE WIDTH	SY	X

FDOT PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QTY
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	X
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	X
0527 2	DETECTABLE WARNINGS	SF	X
0570 1 2	PERFORMANCE TURF, SOD	SY	X
0700 1 11	SINGLE POST SIGN F&I GROUND MOUNT, UP TO 12 SF	AS	X
0700 1 12	SINGLE POST SIGN F&I GROUND MOUNT, 12 - 20 SF	AS	X
0700 1 13	SINGLE POST SIGN F&I GROUND MOUNT, 21 - 30 SF	AS	X
0700 1 60	SINGLE POST SIGN, REMOVE	AS	X
0704 1 2	TUBULAR MARKER, DURABLE, 36" YELLOW POST	EA	X
0705 10 1	OBJECT MARKER, TYPE 1	EA	X
0706 1 1	RAISED PAVEMENT MARKER, TYPE B WITHOUT FINAL SURFACE MARKINGS	EA	X
0710 11101	PAINTED PAVEMENT MARKINGS, STANDARD WHITE, SOLID 6"	GM	X
0710 11102	P.P.M. STANDARD WHITE, SOLID FOR INTERCHANGE AND URBAN ISLAND, 8"	GM	X
0710 11103	P.P.M. STANDARD WHITE, SOLID FOR INTERCHANGE MARKINGS, 12"	GM	X
0710 11123	P.P.M. STANDARD WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	X
0710 11124	P.P.M. STANDARD WHITE, SOLID FOR DIAGONAL CHEVRON, 18"	LF	X
0710 11125	P.P.M. STANDARD WHITE, SOLID FOR STOP LINE OR CROSSWALK 24"	LF	X
0710 11131	P.P.M. STANDARD WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	X
0710 11133	P.P.M. STANDARD WHITE, 3-9 SKIP DROP LINE & APPROACH TO TOLL PLAZA, 12"	GM	X
0710 11141	P.P.M. STANDARD WHITE, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6"	GM	X
0710 11160	P.P.M. STANDARD WHITE, MESSAGE OR SYMBOL	EA	X
0710 11170	P.P.M. STANDARD WHITE, ARROWS	EA	X
0710 11201	P.P.M. STANDARD YELLOW, SOLID 6"	GM	X
0710 11224	P.P.M. STANDARD YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	X
0710 11241	P.P.M. STANDARD YELLOW, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6"	GM	X
0710 11290	P.P.M. STANDARD YELLOW, ISLAND NOSE	SF	X
0711 11102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE & URBAN ISLAND	GM	X
0711 11103	THERMO, STD., WHITE, SOLID, 12" FOR INTERCHANGE MARKINGS	GM	X
0711 11123	THERMO, STD., WHITE, SOLID, 12" FOR CROSSWALK & ROUNDABOUT	LF	X
0711 11124	THERMO, STD., WHITE, SOLID, 18" FOR DIAGONAL & CHEVRONS	LF	X
0711 11125	THERMO, STD., WHITE, SOLID, 24" FOR STOP LINE & CROSSWALKS	LF	X
0711 11141	THERMO, STD., WHITE, 2-4 DOTTED GUIDELINE/6-10 GAP EXTENSION 6"	GM	X
0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	X
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	X
0711 11224	THERMO, STD., YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	X
0711 14123	THERMOPLASTIC, PERFORMED, WHITE, SOLID, 12" FOR CROSSWALK	LF	X
0711 14125	THERMOPLASTIC, PERFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	X
0711 16101	THERMOPLASTIC, STANDARD - OTHER SURFACES, WHITE, SOLID 6"	GM	X
0711 16131	THERMO, STD.-OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP	GM	X
0711 16133	THERMO, STD.-O.S, WHITE, SKIP, 12"-APPROACH TO TOLL PLAZA OR 3-9 LANE DROP	GM	X
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID 6"	GM	X
0711 17 1	THERMO, REMOVE EXISTING THERMO. PAVEMENT MARKINGS - SURFACE TO REMAIN	SF	X

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID A. REID, P.E.
P.E. LICENSE NUMBER 38794
HAMILTON ENGINEERING & SURVEYING, LLC
431 E. HORATIO AVE., SUITE 260
MAITLAND, FL 32751
(407) 362 - 5929 EXT 405



SUMMARY OF PAY ITEMS

SHEET NO.
4

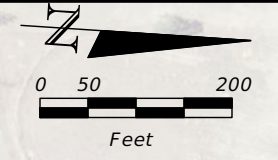
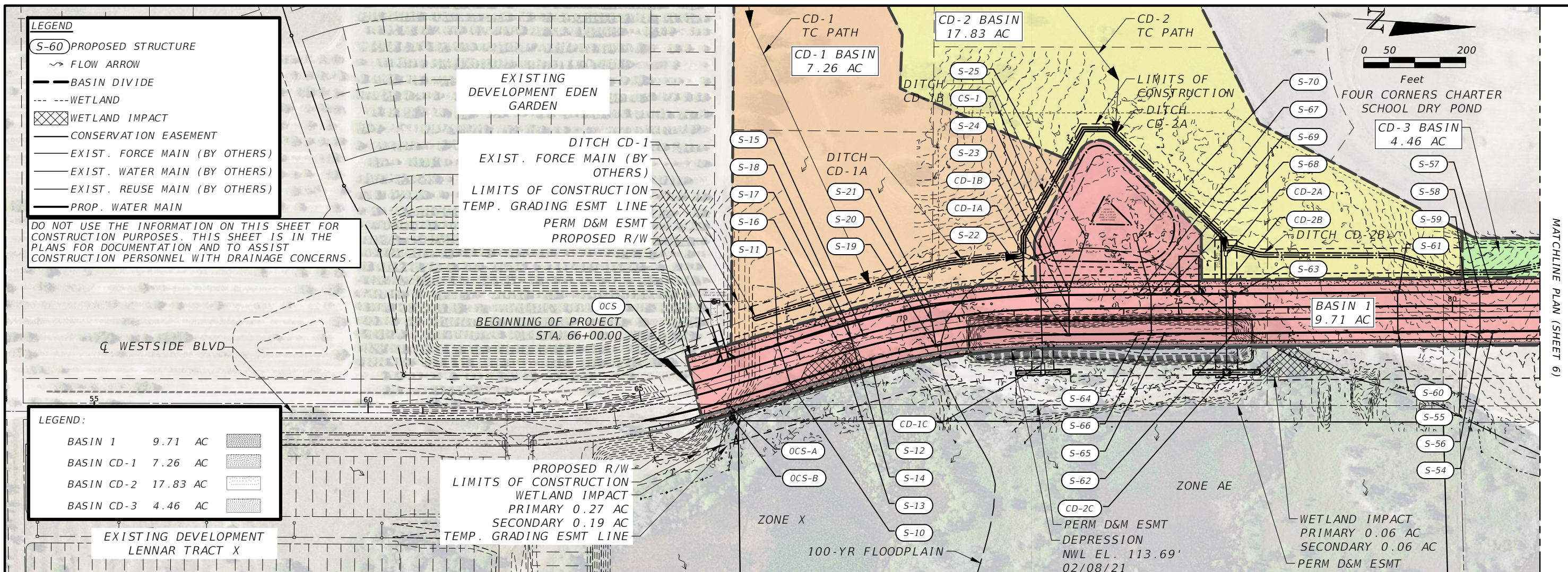
LEGEND

- (S-60) PROPOSED STRUCTURE
- ~ FLOW ARROW
- BASIN DIVIDE
- - - WETLAND
- ▨ WETLAND IMPACT
- CONSERVATION EASEMENT
- EXIST. FORCE MAIN (BY OTHERS)
- EXIST. WATER MAIN (BY OTHERS)
- EXIST. REUSE MAIN (BY OTHERS)
- PROP. WATER MAIN

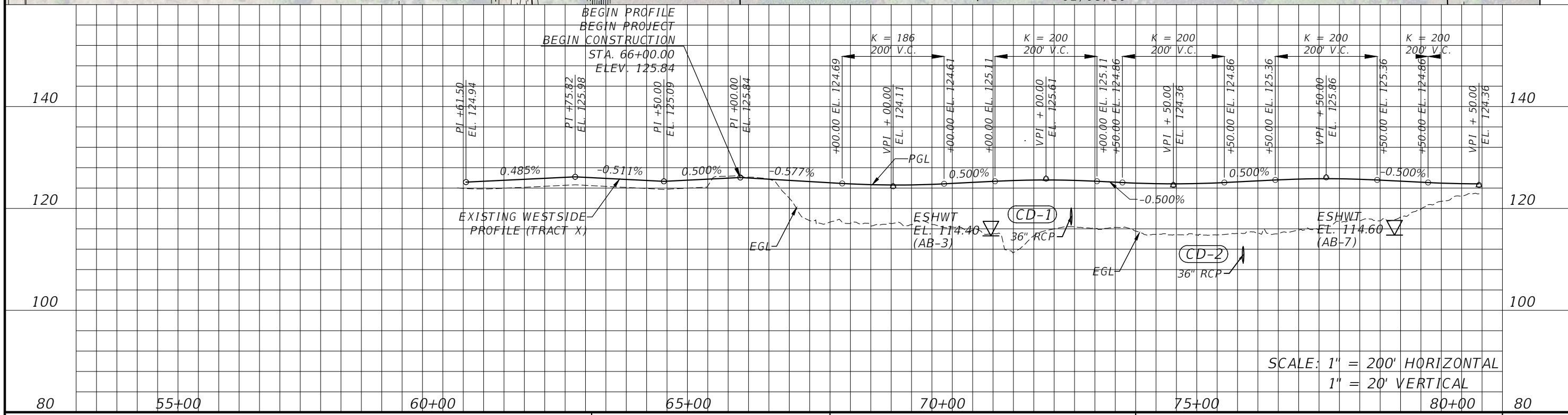
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LEGEND:

BASIN 1	9.71 AC	
BASIN CD-1	7.26 AC	
BASIN CD-2	17.83 AC	
BASIN CD-3	4.46 AC	



MATCHLINE PLAN (SHEET 6)



SCALE: 1" = 200' HORIZONTAL
1" = 20' VERTICAL

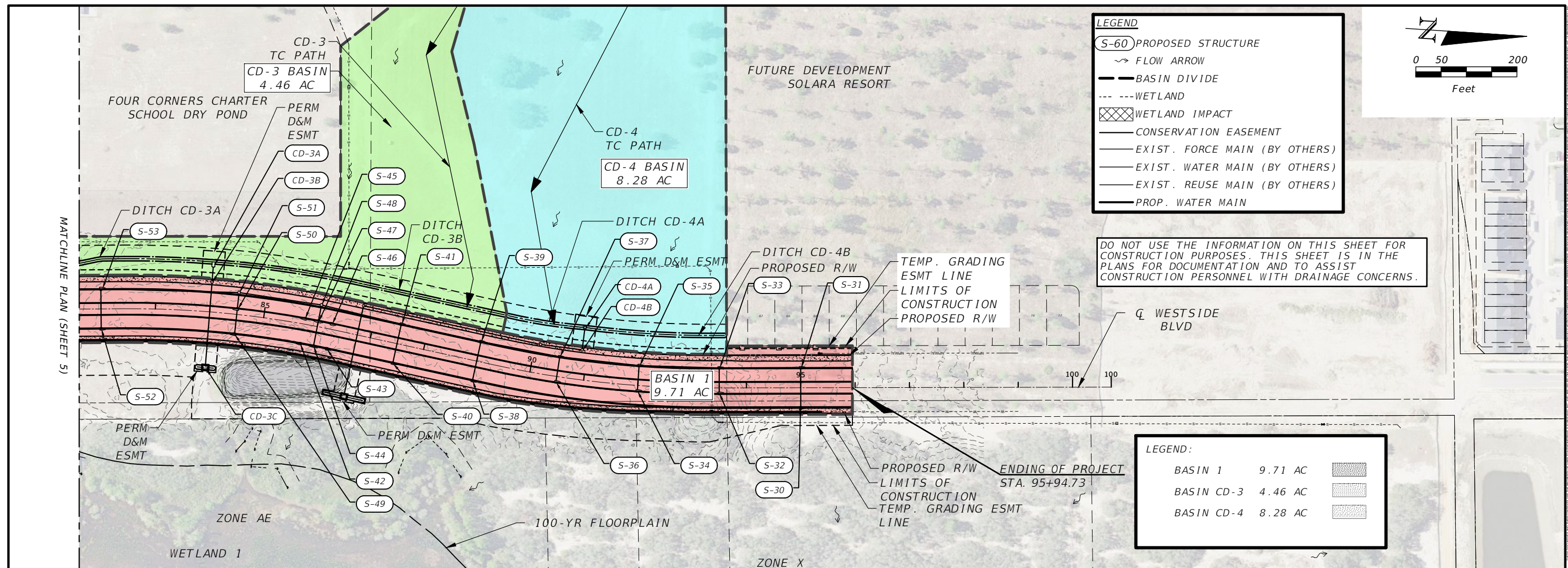
REVISIONS	
DATE	DESCRIPTION

DAVID A. REID, P.E.
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431 E. HORATIO AVE., SUITE 260
MAITLAND, FL 32751
(407) 362 - 5929 EXT 405



DRAINAGE MAP

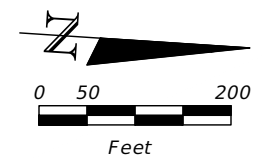
SHEET NO.
5



MATCHLINE PLAN (SHEET 5)

LEGEND

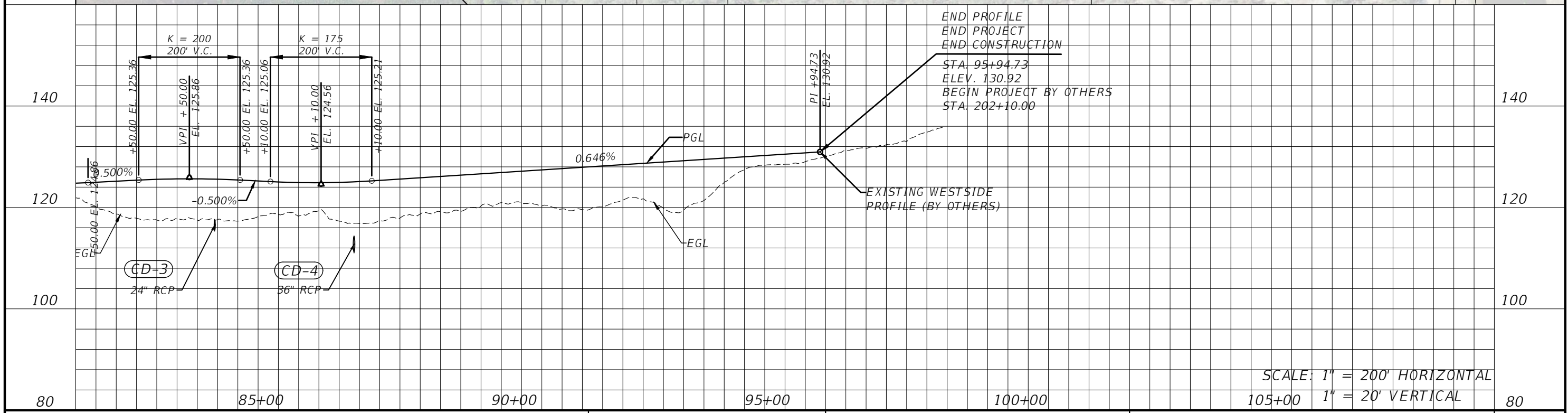
- (S-60) PROPOSED STRUCTURE
- ~> FLOW ARROW
- BASIN DIVIDE
- WETLAND
- WETLAND IMPACT
- CONSERVATION EASEMENT
- EXIST. FORCE MAIN (BY OTHERS)
- EXIST. WATER MAIN (BY OTHERS)
- EXIST. REUSE MAIN (BY OTHERS)
- PROP. WATER MAIN



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LEGEND:

BASIN 1	9.71 AC	
BASIN CD-3	4.46 AC	
BASIN CD-4	8.28 AC	



SCALE: 1" = 200' HORIZONTAL
1" = 20' VERTICAL

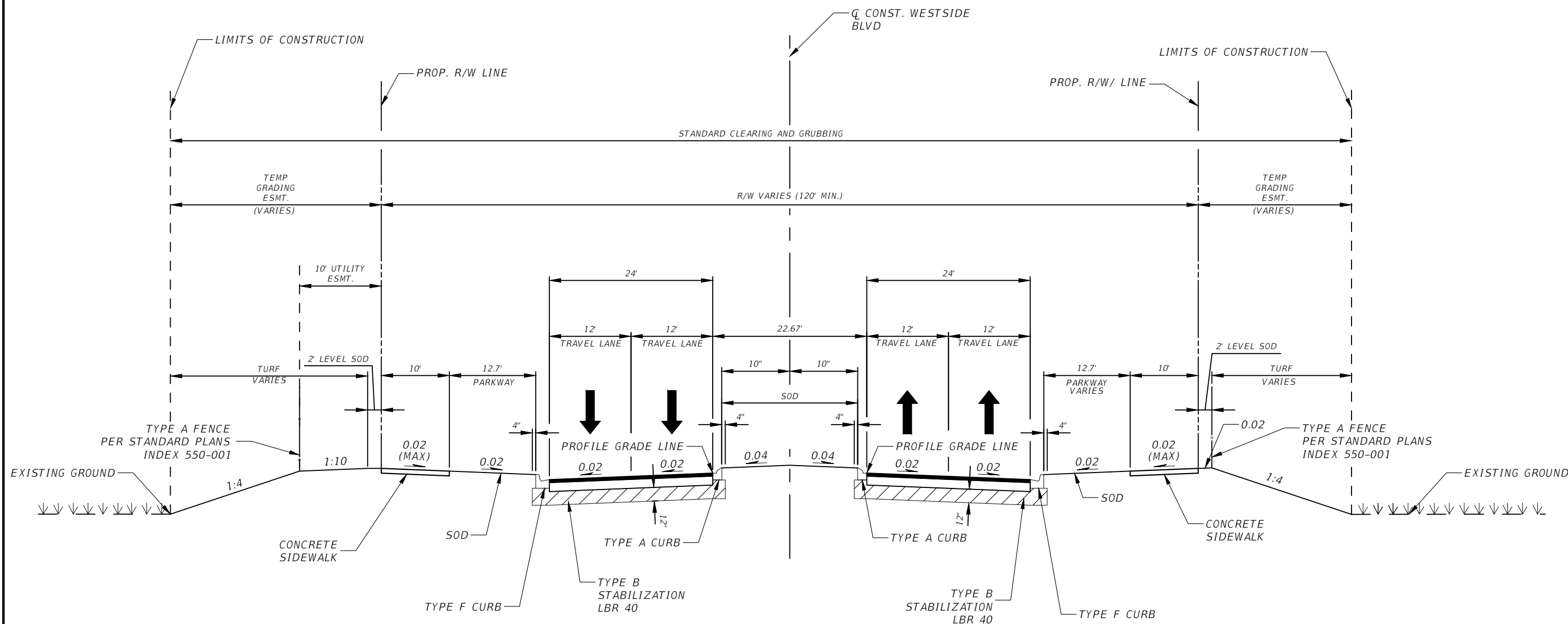
REVISIONS	
DATE	DESCRIPTION

DAVID A. REID, P.E.
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431 E. HORATIO AVE., SUITE 260
MAITLAND, FL 32751
(407) 362 - 5929 EXT 405

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT
DEPARTMENT

DRAINAGE MAP

SHEET NO.
6



**TYPICAL SECTION
 WESTSIDE BLVD
 STA. 66+00.00 TO STA. 95+94.73
 DESIGN SPEED = 45 MPH**

TRAFFIC DATA

CURRENT YEAR = 2022 AADT = XX
 ESTIMATED OPENING YEAR = XX AADT = XX
 ESTIMATED DESIGN YEAR = XX AADT = XX
 K = X% D = X% T = X%
 DESIGN HOUR T = X
 DESIGN SPEED = 45 MPH
 PACKED SPEED = X

NEW CONSTRUCTION

12" TYPE B STABILIZATION LBR 40
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")
 FRICTION COURSE FC-9.5 (TRAFFIC C) (1")

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID A. REID, P.E.
 P.E. LICENSE NUMBER 38794
 HAMILTON ENGINEERING & SURVEYING, LLC
 431 E. HORATIO AVE., SUITE 260
 ORLANDO, FL 32751
 (407) 362-5929 EXT 405



TYPICAL SECTION

SHEET NO.
 7

GENERAL NOTES

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88): NGVD29 = NAVD88 +0.863'
2. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:



FRANK LOPEZ, PSM
P.S.M. NO.: 7001
DRMP, INC.
941 LAKE BALDWIN LANE
ORLANDO, FL 32814
3. SPECIAL EVENT DAYS ARE NOT ANTICIPATED FOR THIS PROJECT.
4. IF ANY NGS MONUMENT IS IN DANGER OF BEING DISTURBED, CONTACT: NATIONAL GEODETIC SURVEY 1315 EAST- WEST HIGHWAY SILVER SPRING, MD 20910-3282, PHONE: (301) 713-3242
2. PROVIDE TO THE COUNTY AN UPDATED CONSTRUCTION SCHEDULE IN THE FORM OF A TWO WEEK LOOK AHEAD ON A BI-WEEKLY BASIS.
3. RESTORE ALL DISTURBED AREAS TO ORIGINAL CONDITION OR BETTER. DOCUMENT THIS BY TAKING PHOTOS PRIOR TO CONSTRUCTION AND AT THE CONCLUSION OF THE PROJECT.
4. INVERT ELEVATIONS SHOWN ON DRAWINGS REFER TO THE CENTERLINE OF MANHOLES, UNLESS OTHERWISE INDICATED ON THE DRAINAGE STRUCTURES CROSS SECTION SHEET FOR SPECIFIC LOCATION OF INVERTS.
5. EXCAVATION ACTIVITY SHALL BE CONDUCTED SO AS TO CONTROL THE GENERATION AND OFF-SITE MIGRATION OF DUSTS AND PARTICLES. ALL AREAS IN WHICH SUCH DUSTS OR PARTICLES MAY BE GENERATED SHALL BE KEPT WET, TREATED WITH CHEMICAL DUST DETERGENTS, OR CONTROLLED IN ANOTHER MANNER TO REDUCE THE POTENTIAL FOR THEIR OFF-SITE MIGRATION. ATMOSPHERIC DISCHARGES FROM PROCESSING AND DRYING EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE STATE, FEDERAL AND LOCAL LAWS. TO MINIMIZE DUST AND TO PREVENT THE DEPOSIT OF SOIL EXCAVATION MATERIAL ON PAVED ROADS, TRUCKS SHALL BE COVERED WITH THEIR TAILGATES LATCHED. DIRT ROAD SEGMENTS OF THE DESIGNATED HAUL ROUTE SHALL REQUIRE REGULAR WATERING, AS NECESSARY, TO MINIMIZE DUST GENERATED BY HAULING ACTIVITIES.

UTILITY NOTES

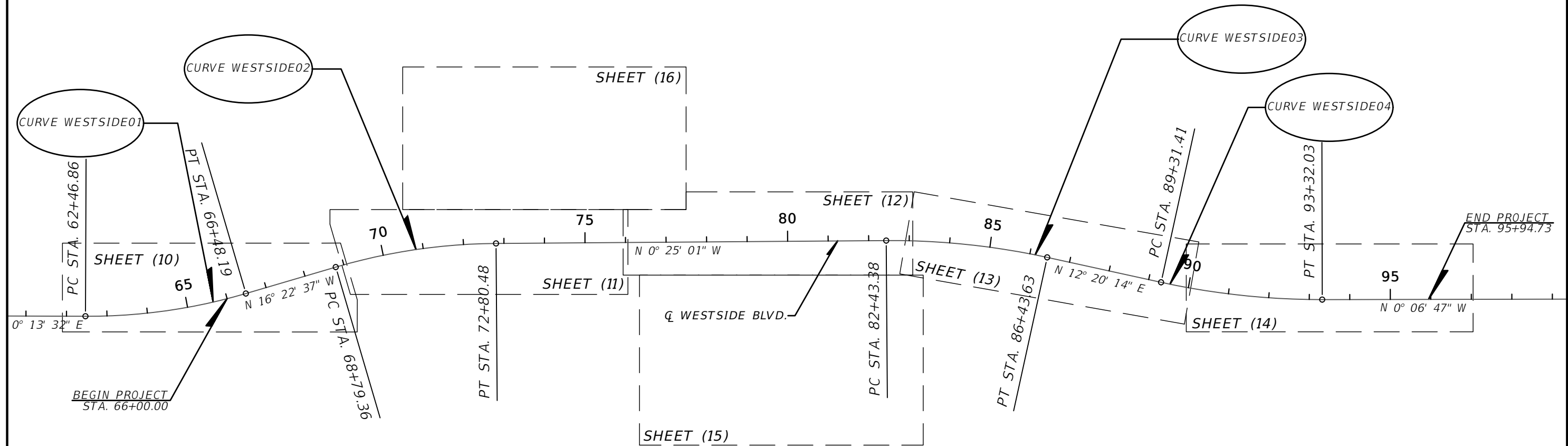
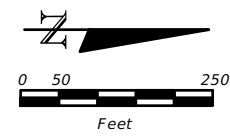
1. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED
2. PROVIDE A MINIMUM 14-DAY NOTICE TO UTILITY OWNERS FOR SCHEDULING PRIOR TO MOBILIZATION PER SUNSHINE ONE CALL LIST.

SERVICE AREA CODE	SERVICE AREA NAME	CONTACT	PHONE NUMBERS	UTILITY TYPE
CNTL01	CENTURYLINK	BILL MCCLOUD	DAY: (850) 599-1444	FIBER, TELEPHONE
FPC313	DUKE ENERGY	STEPHANIE OLMO	DAY: (407) 905-3376	ELECTRIC
LCA395	COMCAST COMMUNICATIONS/ PREV LK CNTY CBLV	ANDREW SWEENEY	DAY: (904) 738-6898	CATV
POLKNE	POLK COUNTY UTILITIES - NE REGION	TOM HOLLINGTON**	DAY: (863) 298-4100	SEWER, WATER
	TOHO WATER AUTHORITY	EDWIN MATOS	DAY: (407) 944-5024	WATER

5. LOCATE AND AVOID ALL EXISTING UTILITIES, OTHER STRUCTURES AND OBSTRUCTIONS BOTH ABOVE AND BELOW THE GROUND SURFACE. ALLOW ONE WEEK FOR RELOCATION ON ANY UTILITIES AT NO ADDITIONAL COST OR TIME. ALL DAMAGE RESULTING FROM FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
6. MINIMIZE SERVICE INTERRUPTIONS AT SERVICE CONNECTIONS. THE MANNER IN WHICH THIS IS ACCOMPLISHED SHALL BE LEFT TO THE DISCRETION OF THE CONTRACTOR, SUBJECT TO THE REQUIREMENTS OF THE CONTRACT SPECIFICATIONS. NO EXISTING ACTIVE SERVICE SHALL BE LEFT INTERRUPTED AT THE END OF THE WORK DAY.

REVISIONS				 DAVID A. REID, P.E. P.E. LICENSE NUMBER 38794 HAMILTON ENGINEERING & SURVEYING, LLC 431 E. HORATIO AVE., SUITE 260 ORLANDO, FL 32751 (407) 362-5929 EXT 405	 OSCEOLA COUNTY TRANSPORTATION AND TRANSIT DEPARTMENT	GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				8

CURVE AND COORDINATE DATA TABLE																			
CURVE NO.	LINE	PC STA	PI STA	PT STA	DELTA	D	T	L	R	e	DESIGN SPEED	PC		PI		PT		CENTER	
												NORTH	EAST	NORTH	EAST	NORTH	EAST	NORTH	EAST
WESTSIDE01	CL_WESTSIDE	62+46.86	64+47.53	66+48.19	16°36'09"(LT)	4°08'13"	202.08'	401.33'	1,385.00'	RC	45	1,439,038.05	447,519.67	1,439,240.12	447,520.47	1,439,434.01	447,463.49	1,439,043.50	446,134.68
WESTSIDE02	CL_WESTSIDE	68+79.36	70+79.93	72+80.48	15°57'36"(RT)	3°58'44"	201.87'	401.12'	1,440.00'	RC	45	1,439,655.79	447,398.31	1,439,849.48	447,341.39	1,440,051.33	447,339.92	1,440,061.81	448,779.88
WESTSIDE03	CL_WESTSIDE	82+43.38	84+43.58	86+43.63	12°45'15"(RT)	3°11'12"	200.95'	400.25'	1,798.02'	RC	45	1,441,014.20	447,332.91	1,441,215.23	447,331.47	1,441,411.47	447,374.39	1,441,027.29	449,130.89
WESTSIDE04	CL_WESTSIDE	89+31.41	91+31.72	93+32.03	12°27'01"(LT)	3°06'28"	201.10'	400.62'	1,843.64'	RC	45	1,441,692.60	447,435.88	1,441,889.06	447,478.84	1,442,090.16	447,478.45	1,442,086.52	445,634.81



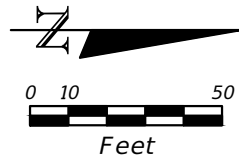
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID A. REID, P.E.
P.E. LICENSE NUMBER 38794
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PROJECT LAYOUT

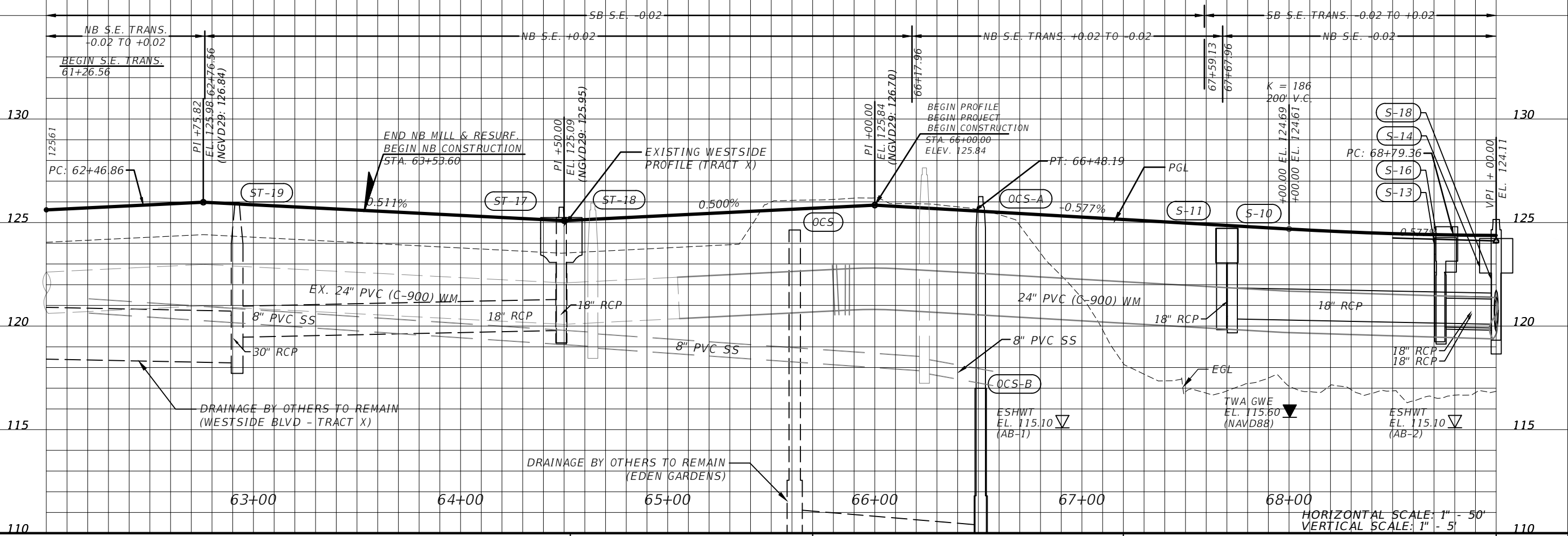
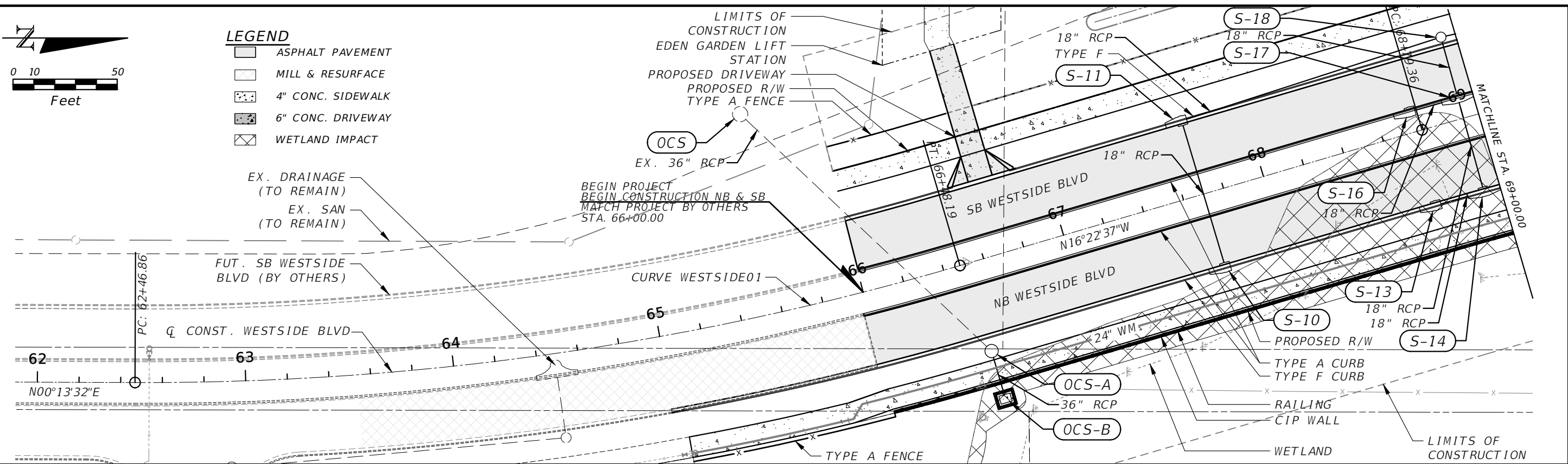
SHEET NO.
9



LEGEND

- ASPHALT PAVEMENT
- MILL & RESURFACE
- 4" CONC. SIDEWALK
- 6" CONC. DRIVEWAY
- WETLAND IMPACT

LIMITS OF CONSTRUCTION
 EDEN GARDEN LIFT STATION
 PROPOSED DRIVEWAY
 PROPOSED R/W
 TYPE A FENCE



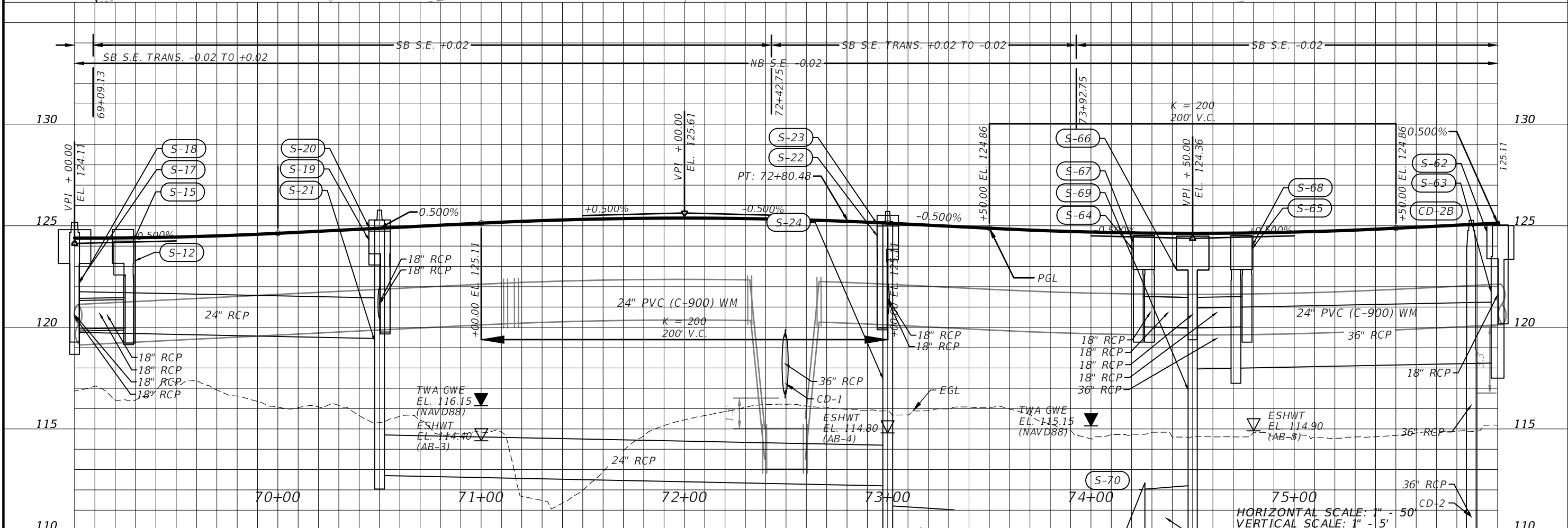
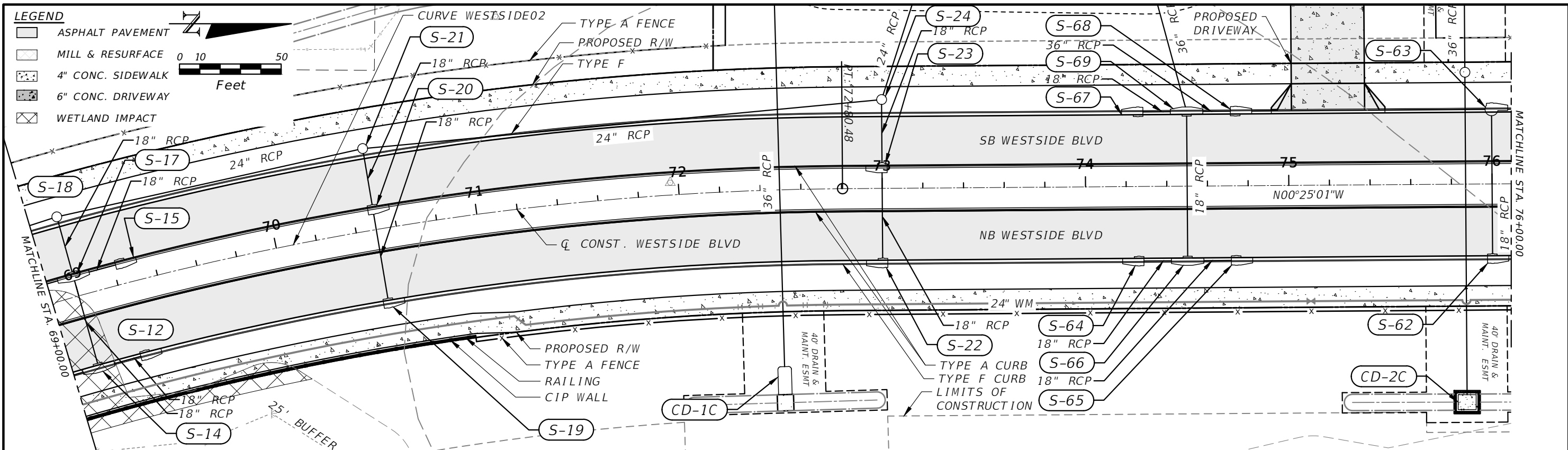
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ROADWAY PLAN AND PROFILES

SHEET NO.
 10



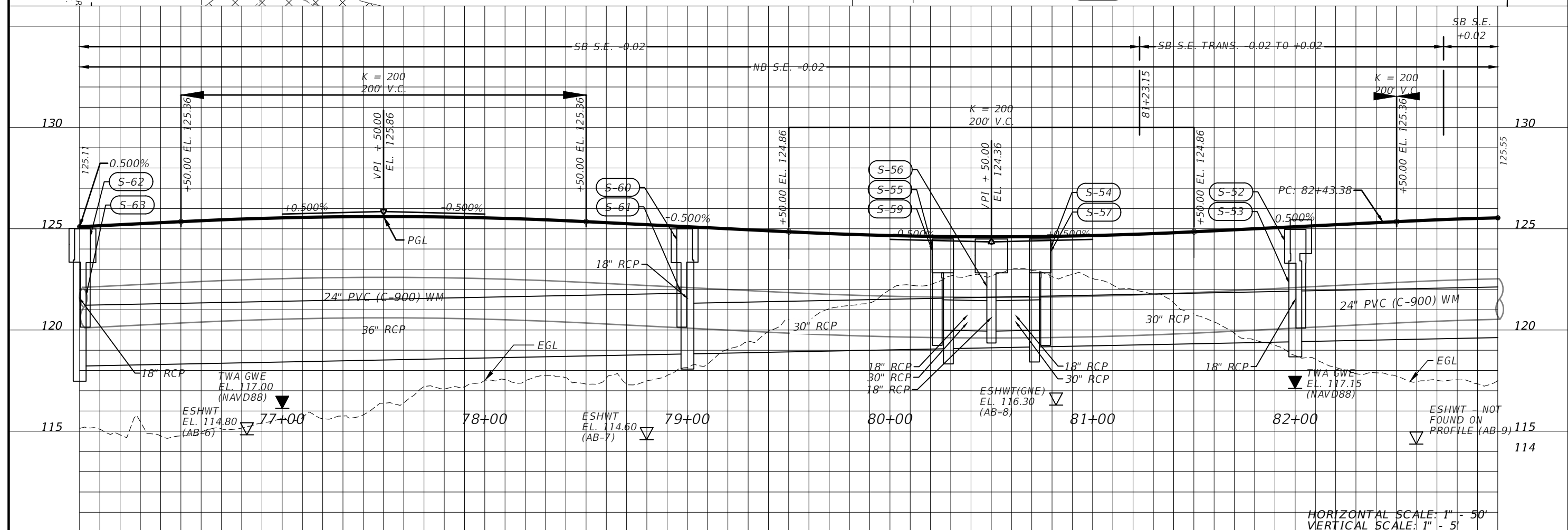
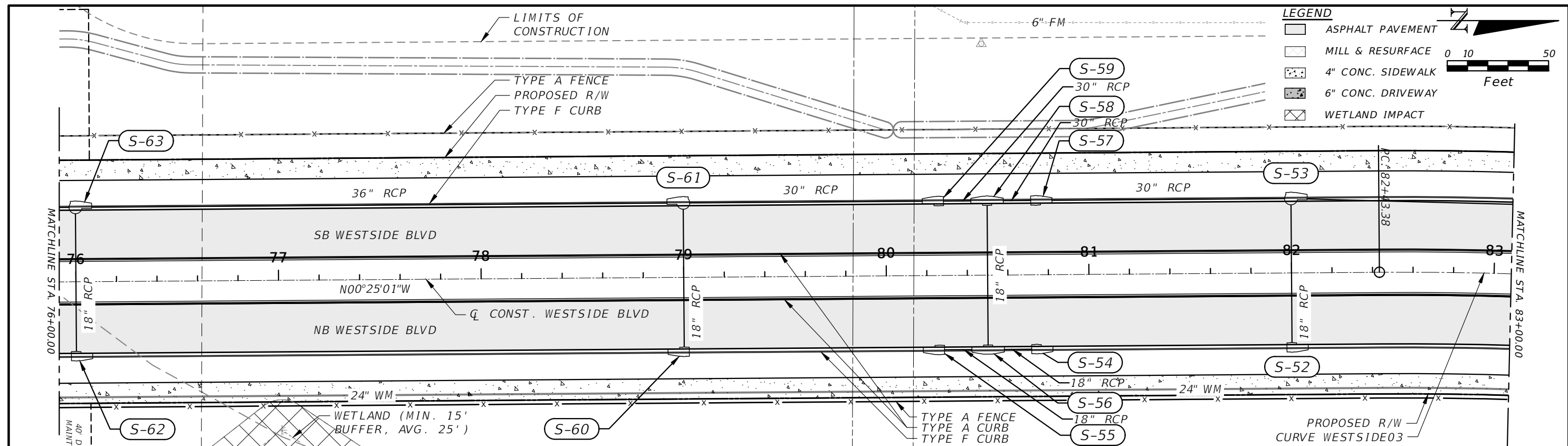
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OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT
DEPARTMENT

ROADWAY PLAN AND PROFILES

SHEET NO. 11



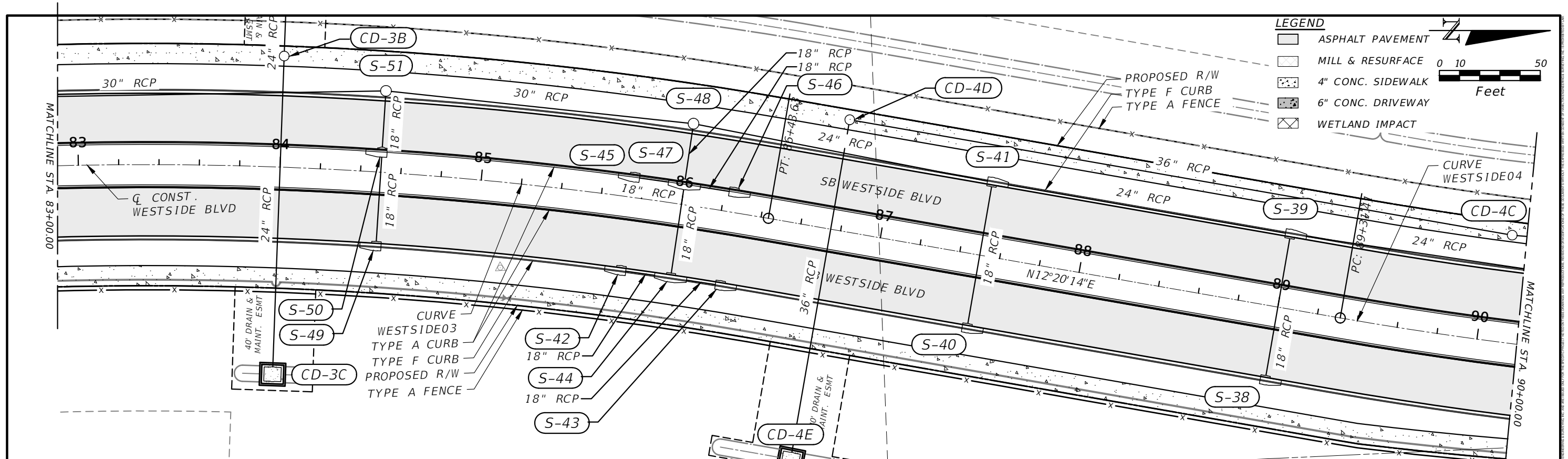
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OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT
DEPARTMENT

ROADWAY PLAN AND PROFILES

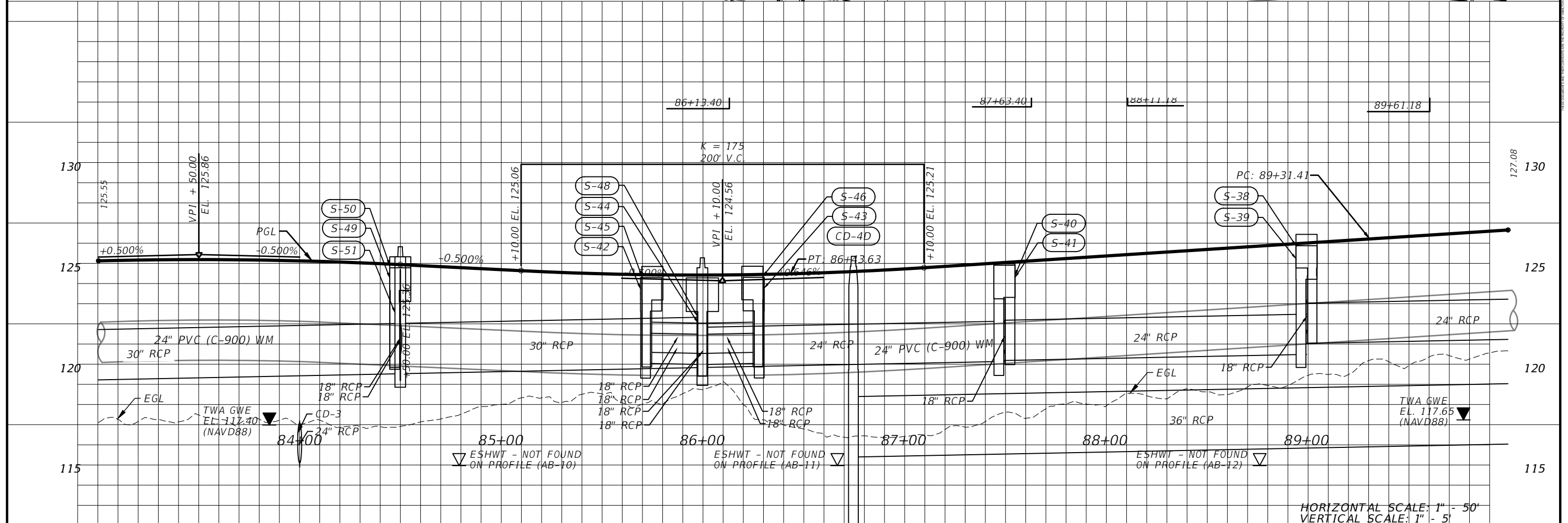
SHEET NO.
12



LEGEND

- ASPHALT PAVEMENT
- MILL & RESURFACE
- 4" CONC. SIDEWALK
- 6" CONC. DRIVEWAY
- WETLAND IMPACT

0 10 50
Feet



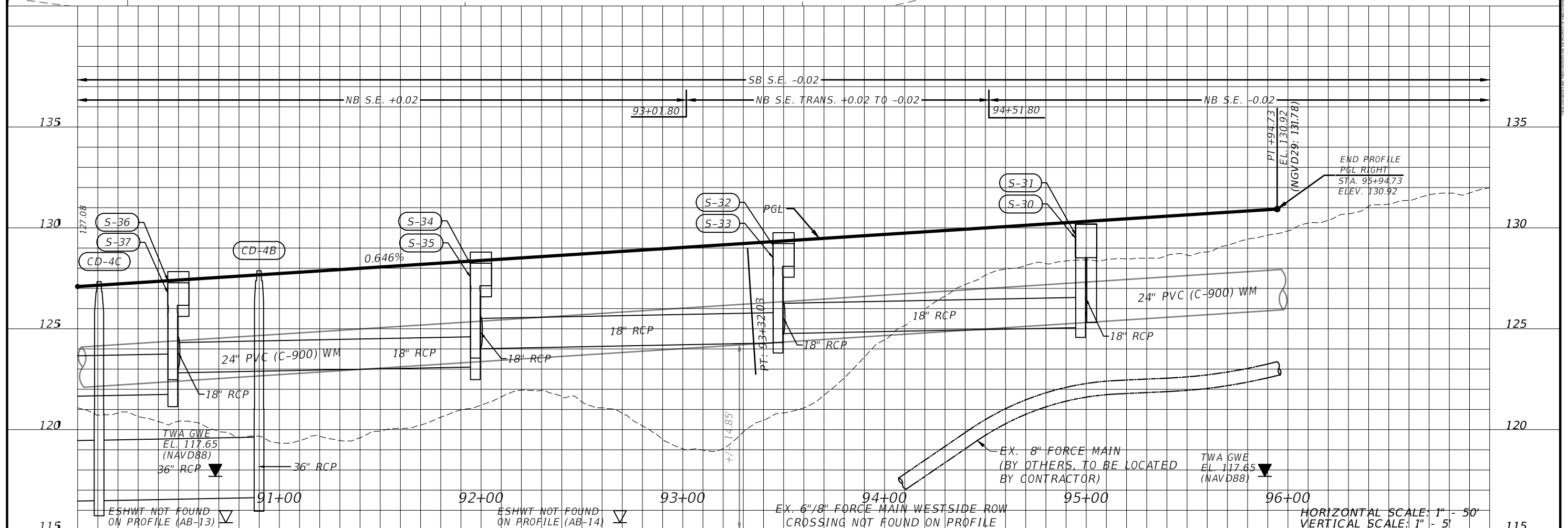
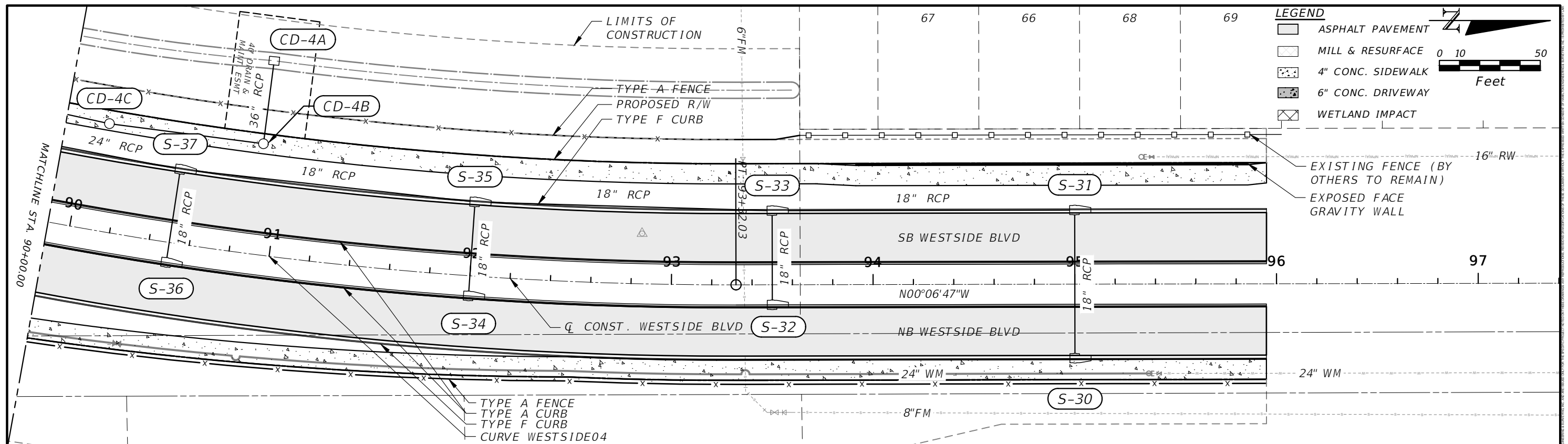
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OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT
DEPARTMENT

ROADWAY PLAN AND PROFILES

SHEET NO.
13








REVISIONS	
DATE	DESCRIPTION

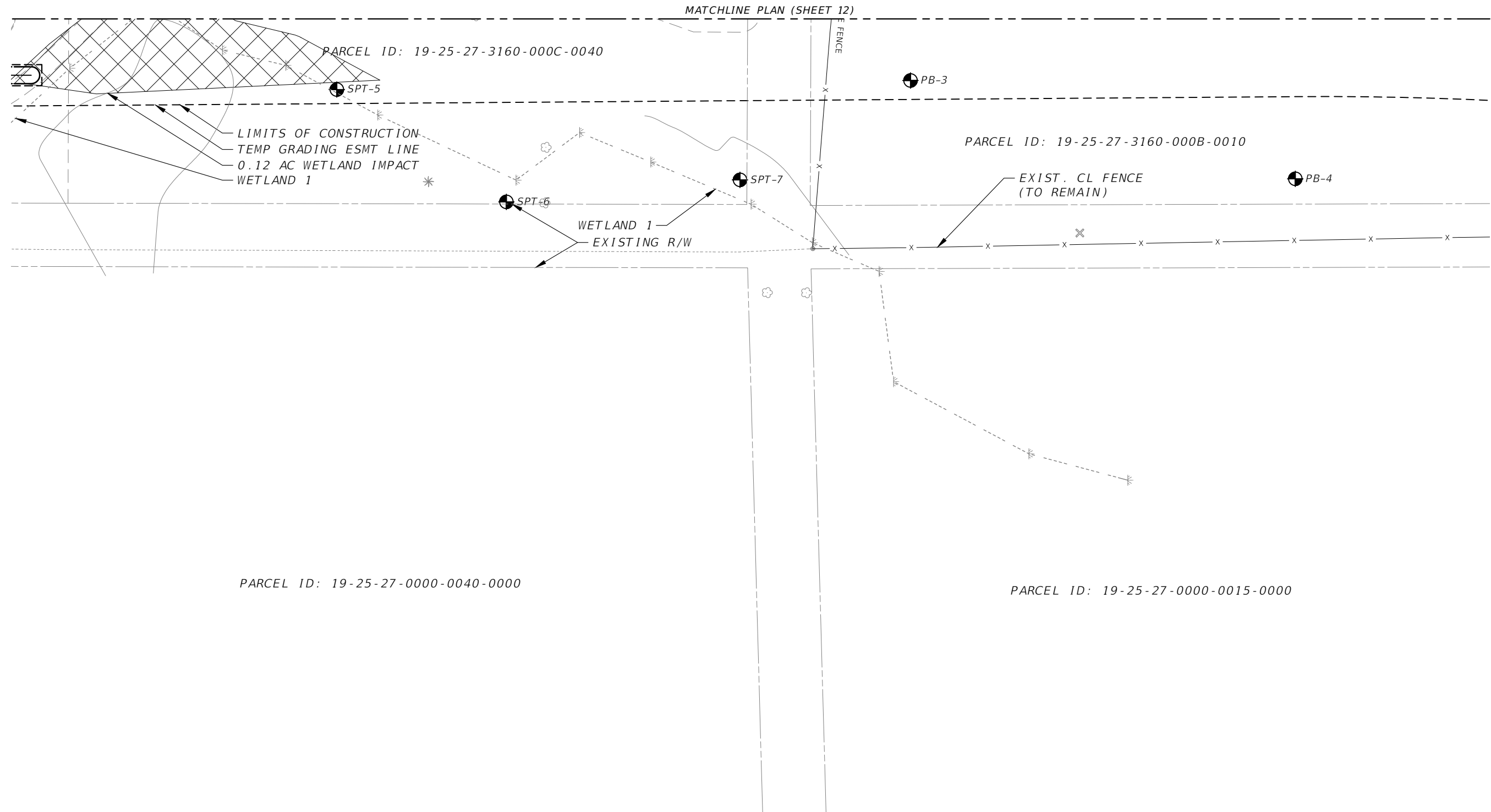
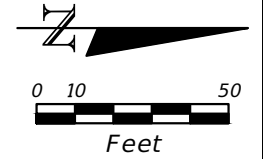
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OSCEOLA COUNTY
 TRANSPORTATION AND TRANSIT
 DEPARTMENT

ROADWAY PLAN AND PROFILES

SHEET NO.
14

- LEGEND**
-  ASPHALT PAVEMENT
 -  MILL & RESURFACE
 -  4" CONC. SIDEWALK
 -  6" CONC. DRIVEWAY
 -  WETLAND IMPACT








REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

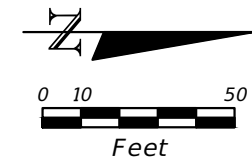
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ORLANDO, FL 32751
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ROADWAY PLANS

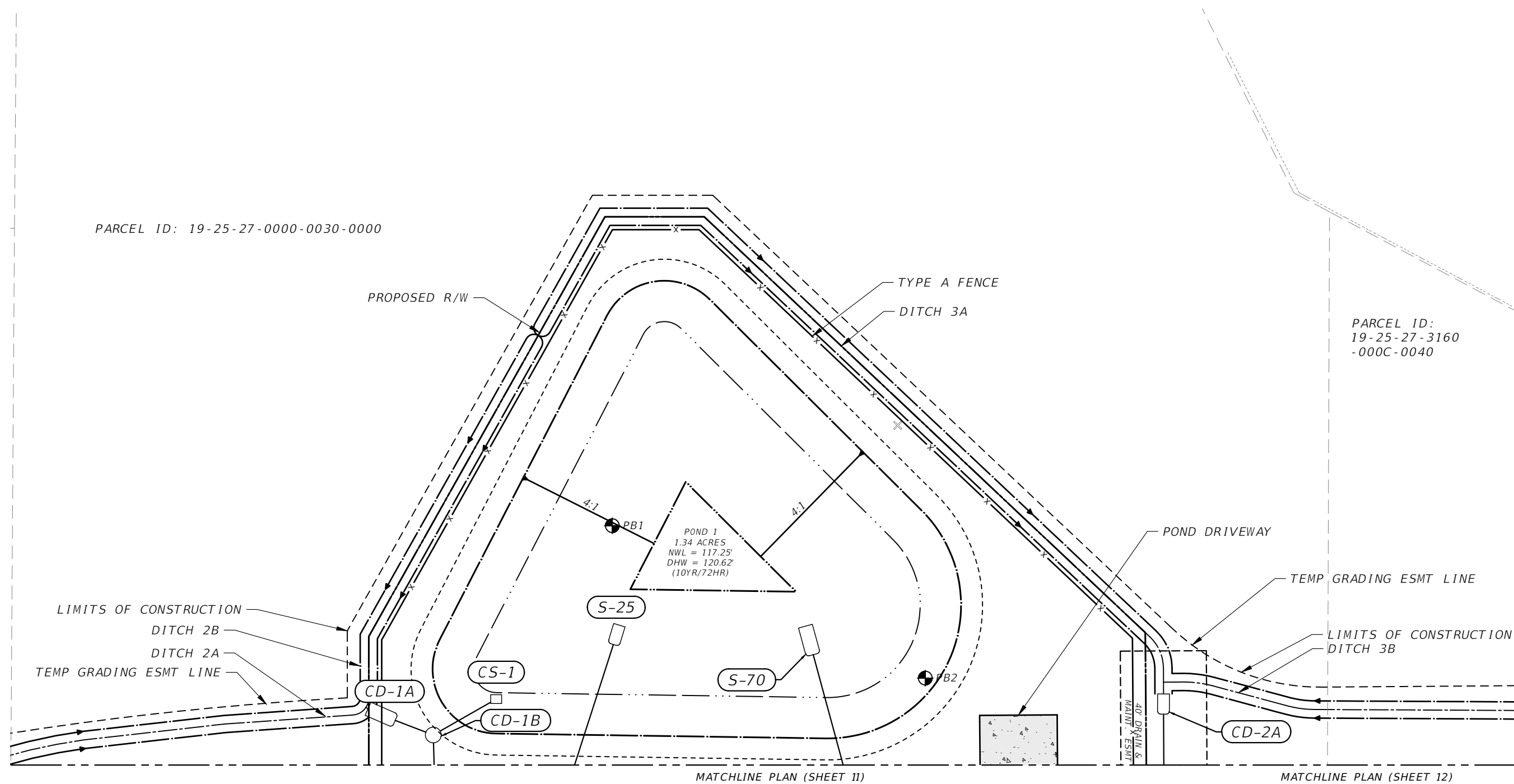
SHEET NO.
15

- LEGEND**
-  ASPHALT PAVEMENT
 -  MILL & RESURFACE
 -  4" CONC. SIDEWALK
 -  6" CONC. DRIVEWAY
 -  WETLAND IMPACT



PARCEL ID: 19-25-27-0000-0030-0000

PARCEL ID:
19-25-27-3160
-000C-0040



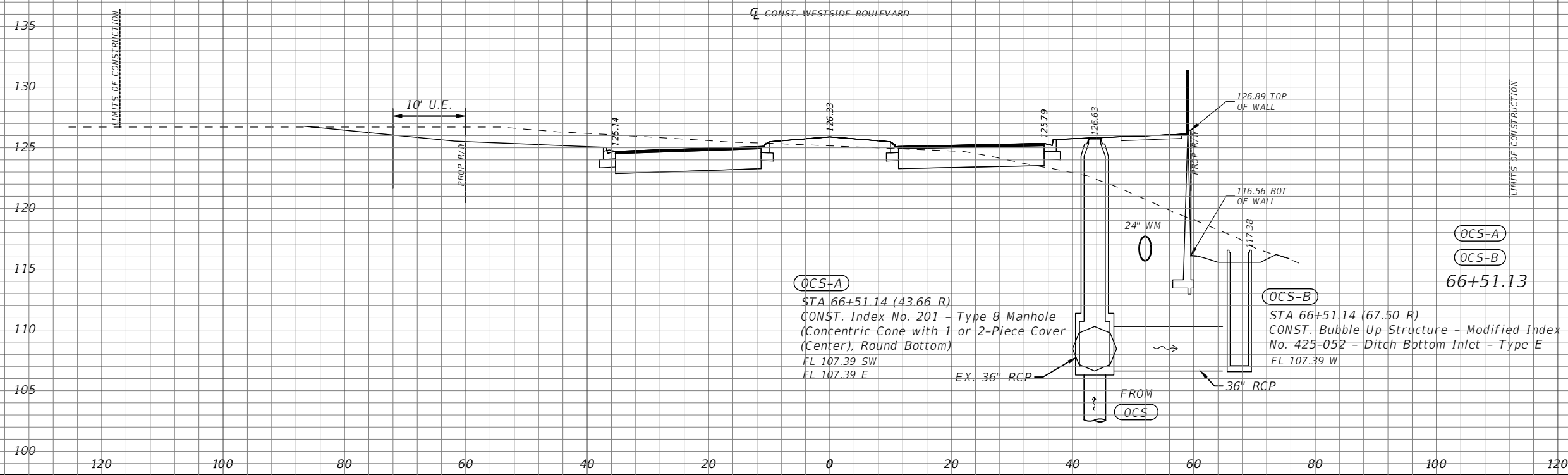
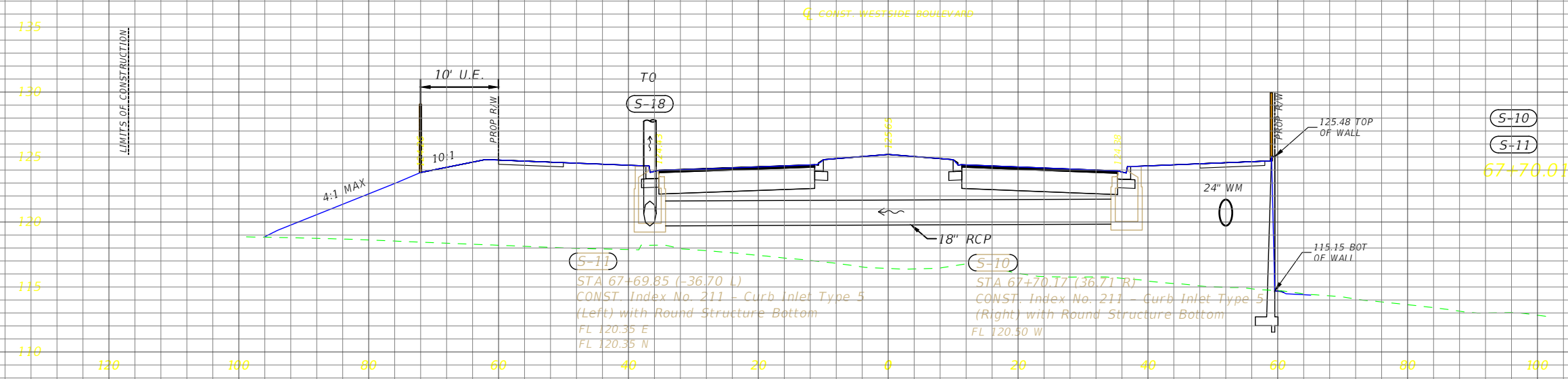
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ROADWAY PLANS

SHEET
NO.
16



REVISIONS	
DATE	DESCRIPTION

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(407) 362 - 5929 EXT 405



DRAINAGE STRUCTURES

SHEET NO.
17

145

140

135

130

125

120

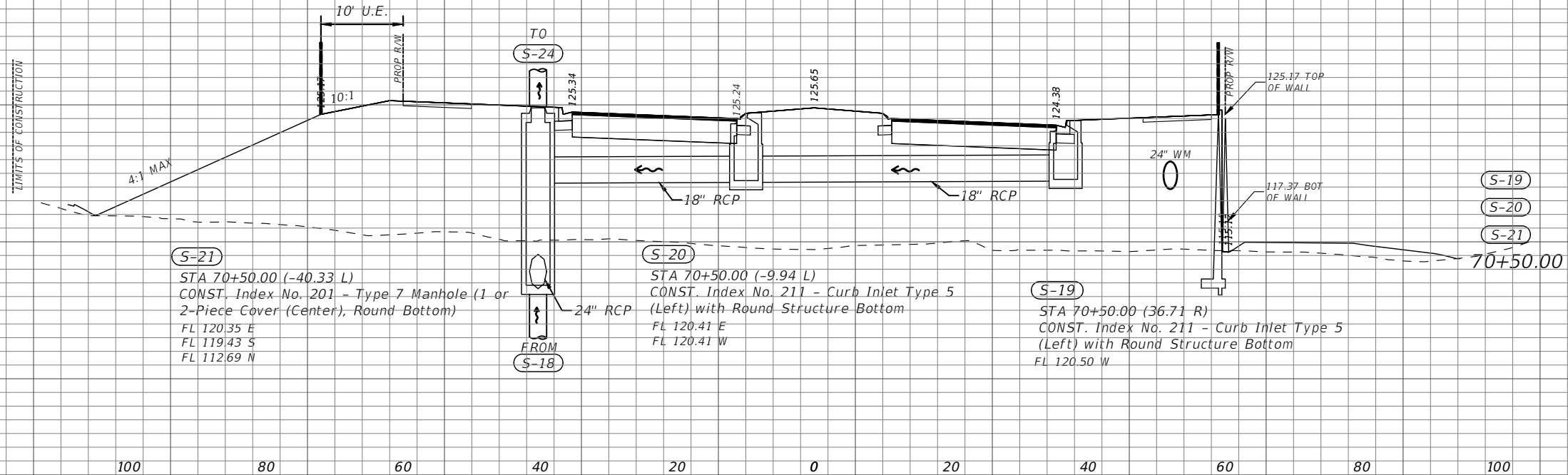
115

110

105

100

CONST. WESTSIDE BOULEVARD



(S-21)
 STA 70+50.00 (-40.33 L)
 CONST. Index No. 201 - Type 7 Manhole (1 or 2-Piece Cover (Center), Round Bottom)
 FL 120.35 E
 FL 119.43 S
 FL 112.69 N

(S-20)
 STA 70+50.00 (-9.94 L)
 CONST. Index No. 211 - Curb Inlet Type 5 (Left) with Round Structure Bottom
 FL 120.41 E
 FL 120.41 W

(S-19)
 STA 70+50.00 (36.71 R)
 CONST. Index No. 211 - Curb Inlet Type 5 (Left) with Round Structure Bottom
 FL 120.50 W

135

130

125

120

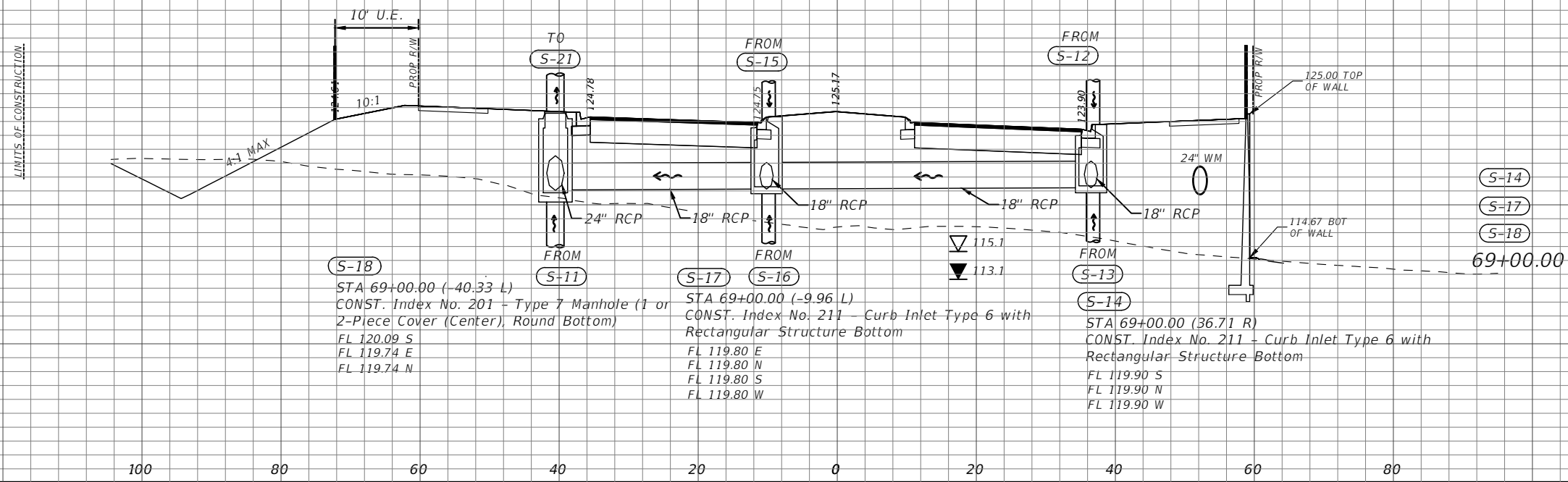
115

110

105

100

CONST. WESTSIDE BOULEVARD



(S-18)
 STA 69+00.00 (-40.33 L)
 CONST. Index No. 201 - Type 7 Manhole (1 or 2-Piece Cover (Center), Round Bottom)
 FL 120.09 S
 FL 119.74 E
 FL 119.74 N

(S-17) (S-16)
 STA 69+00.00 (-9.96 L)
 CONST. Index No. 211 - Curb Inlet Type 6 with Rectangular Structure Bottom
 FL 119.80 E
 FL 119.80 N
 FL 119.80 S
 FL 119.80 W

(S-14)
 STA 69+00.00 (36.71 R)
 CONST. Index No. 211 - Curb Inlet Type 6 with Rectangular Structure Bottom
 FL 119.90 S
 FL 119.90 N
 FL 119.90 W

Scale: 1"=20' Horiz.
1"=10' Vert.

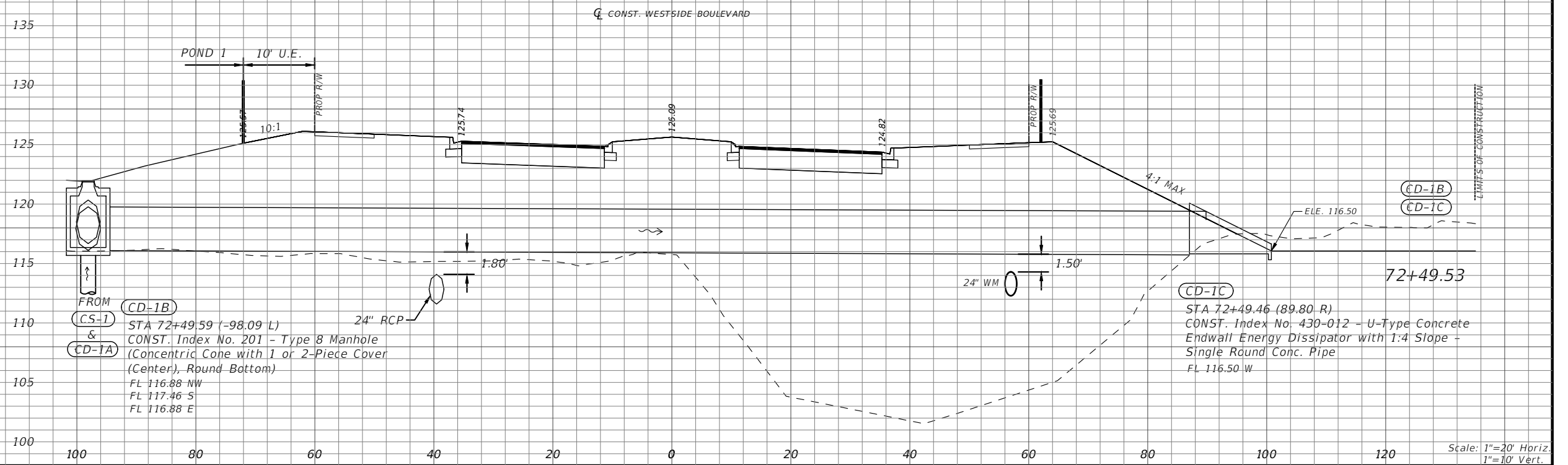
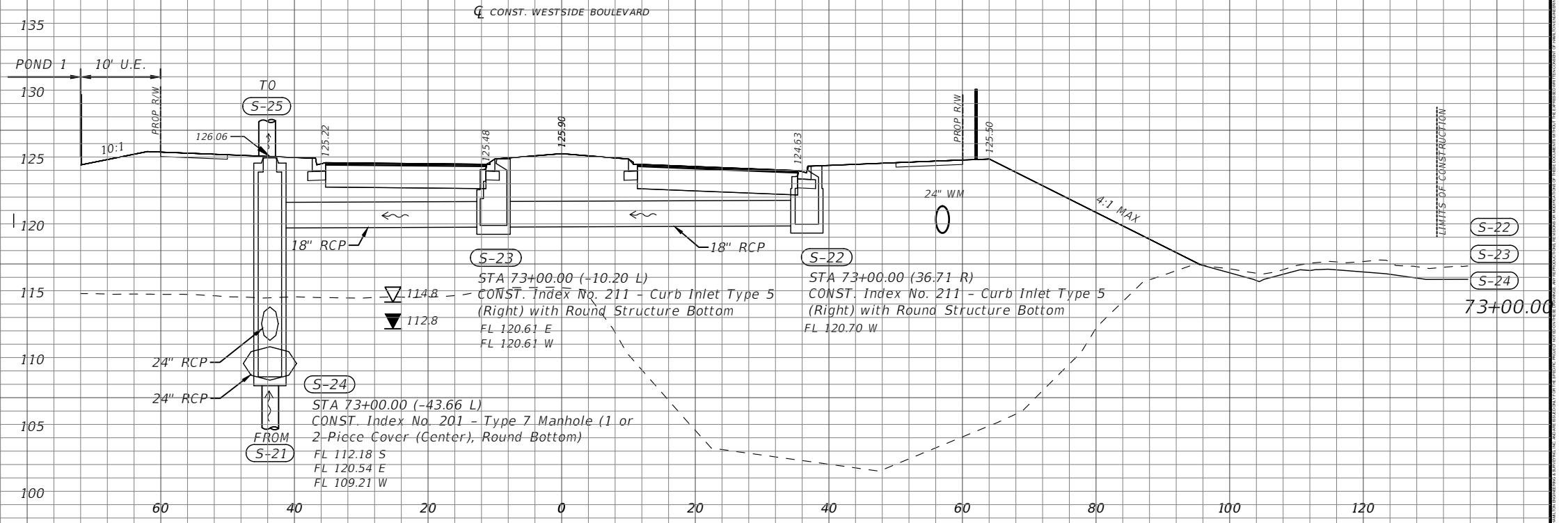
REVISIONS	
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DRAINAGE STRUCTURES

SHEET NO.
18



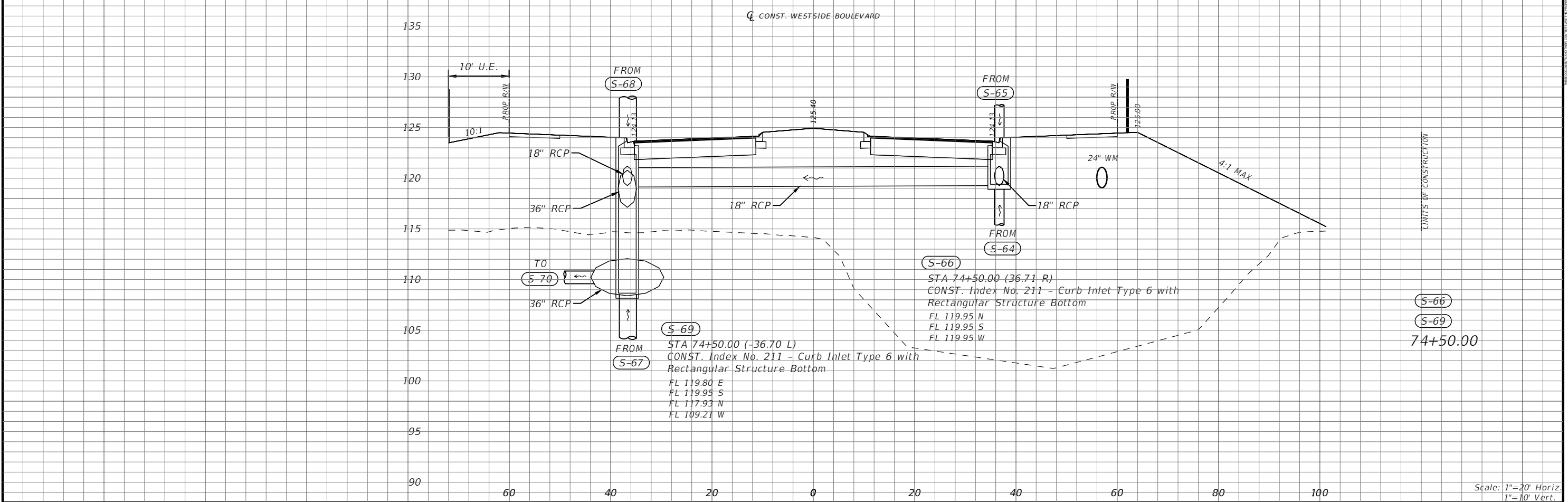
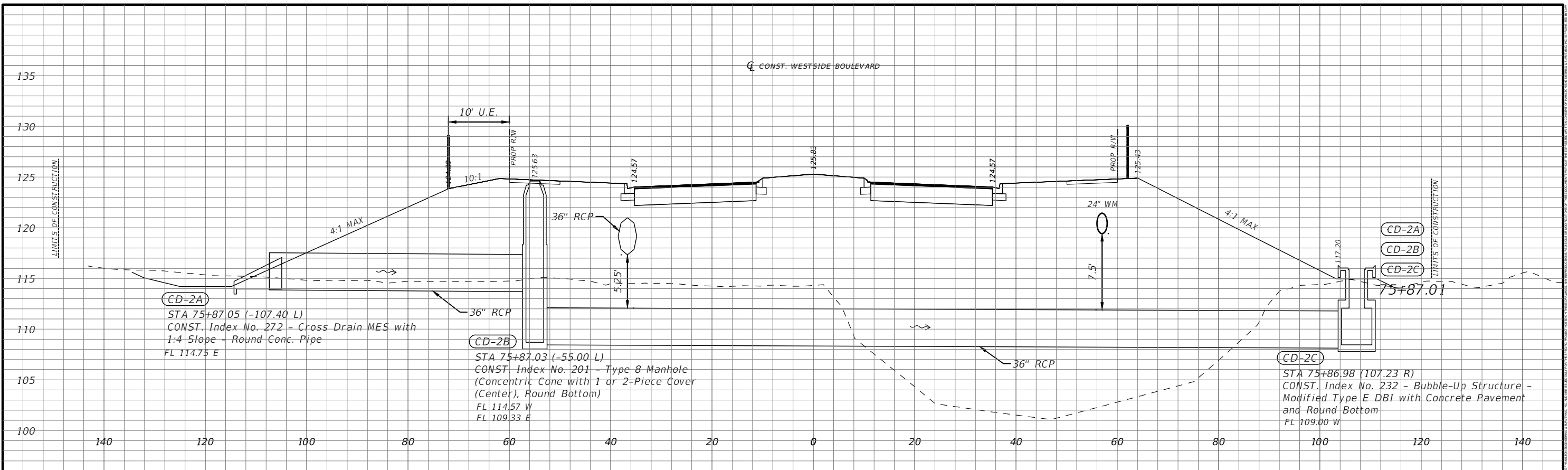
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DRAINAGE STRUCTURES

SHEET NO.
19



Scale: 1"=20' Horiz.
1"=10' Vert.

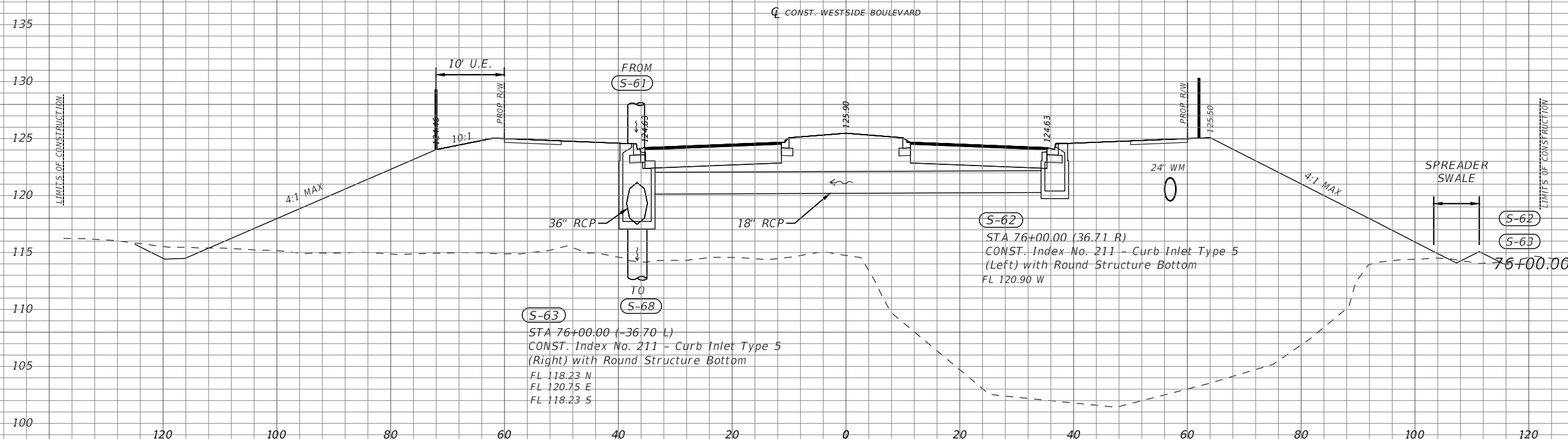
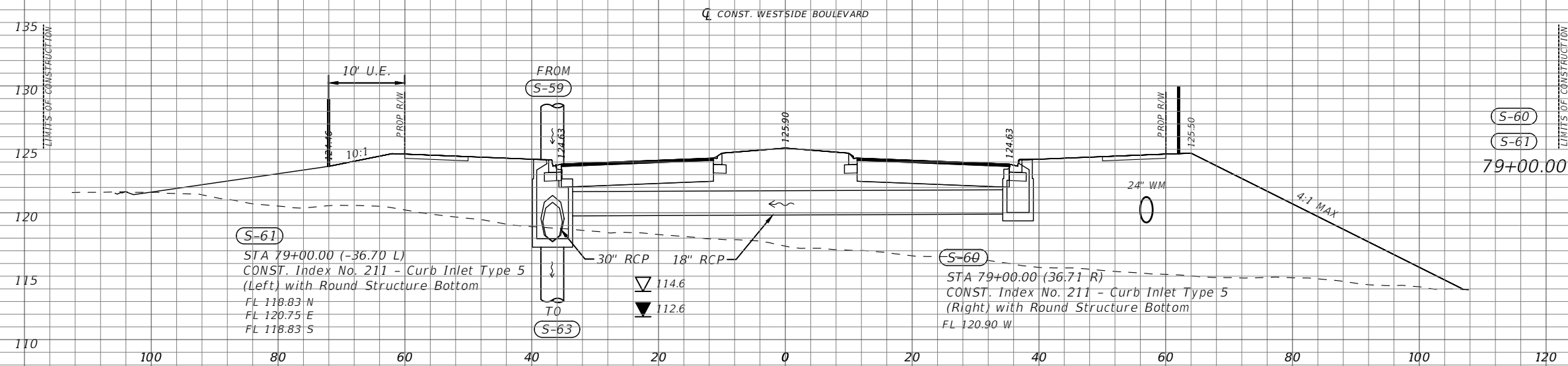
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DRAINAGE STRUCTURES

SHEET NO.
20



Scale: 1"=20' Horiz.
1"=10' Vert.

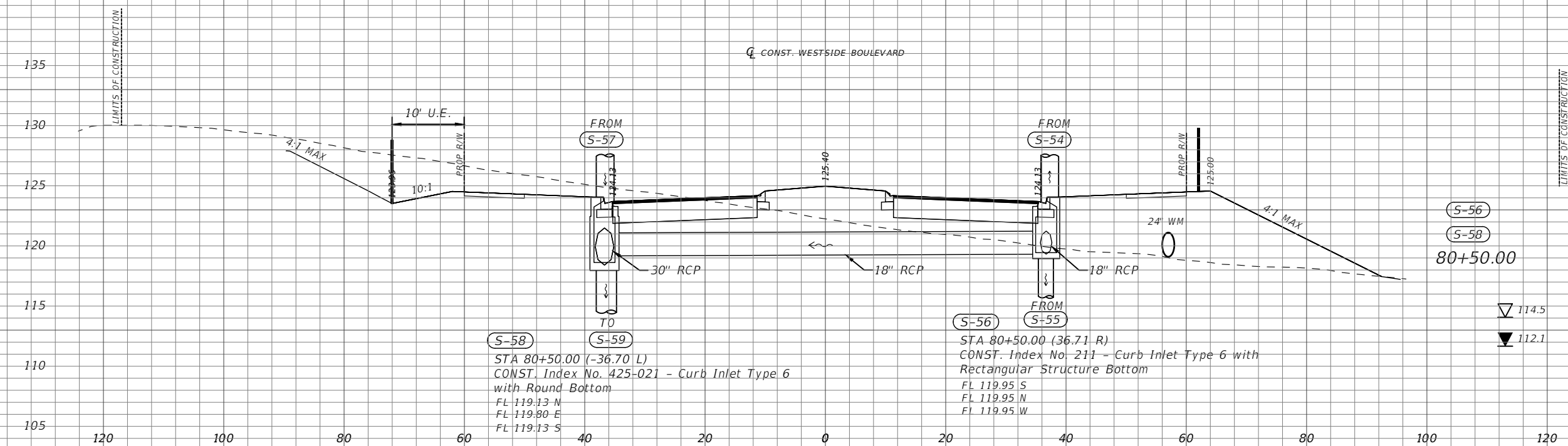
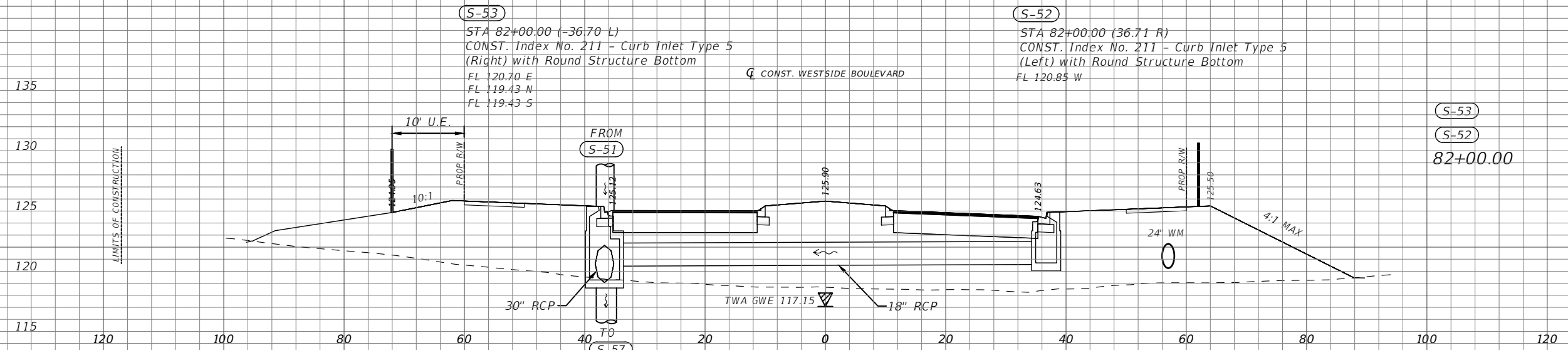
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OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT
DEPARTMENT

DRAINAGE
STRUCTURES

SHEET
NO.
21



(S-53)
 STA 82+00.00 (-36.70 L)
 CONST. Index No. 211 - Curb Inlet Type 5
 (Right) with Round Structure Bottom
 FL 120.70 E
 FL 119.43 N
 FL 119.43 S

(S-52)
 STA 82+00.00 (36.71 R)
 CONST. Index No. 211 - Curb Inlet Type 5
 (Left) with Round Structure Bottom
 FL 120.85 W

(S-53)
 (S-52)
 82+00.00

(S-58)
 STA 80+50.00 (-36.70 L)
 CONST. Index No. 425-021 - Curb Inlet Type 6
 with Round Bottom
 FL 119.13 N
 FL 119.80 E
 FL 119.13 S

(S-56)
 STA 80+50.00 (36.71 R)
 CONST. Index No. 211 - Curb Inlet Type 6 with
 Rectangular Structure Bottom
 FL 119.95 S
 FL 119.95 N
 FL 119.95 W

(S-56)
 (S-58)
 80+50.00

▽ 114.5
 ▼ 112.1

Scale: 1"=20' Horiz.
 1"=10' Vert.

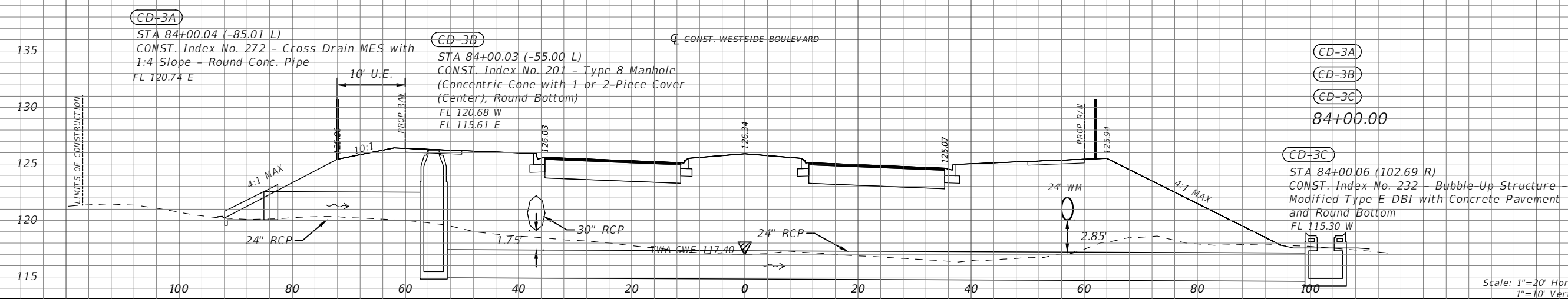
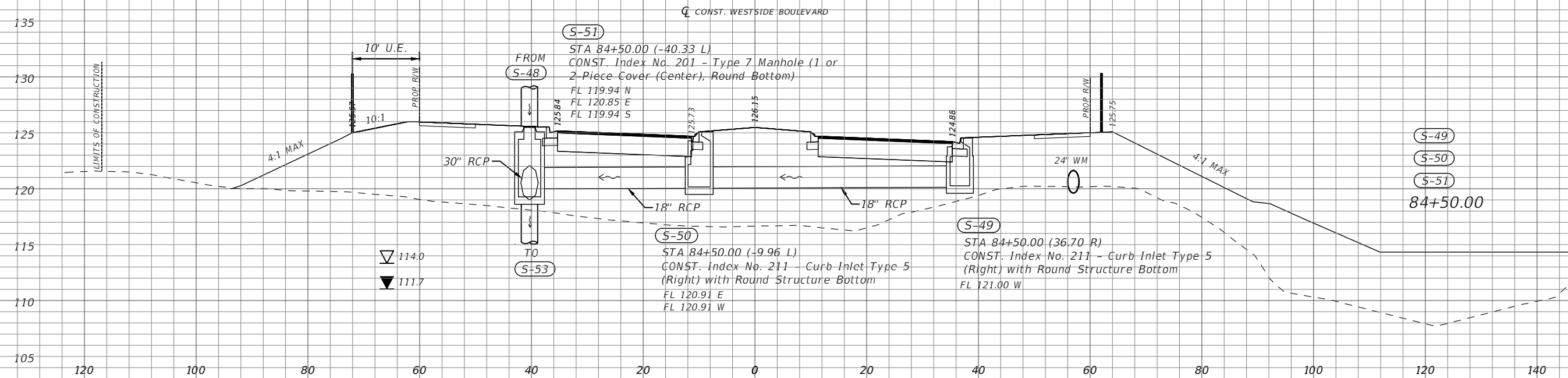
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OSCEOLA COUNTY
 TRANSPORTATION AND TRANSIT
 DEPARTMENT

**DRAINAGE
 STRUCTURES**

SHEET
 NO.
 22



Scale: 1"=20' Horiz.
1"=10' Vert.

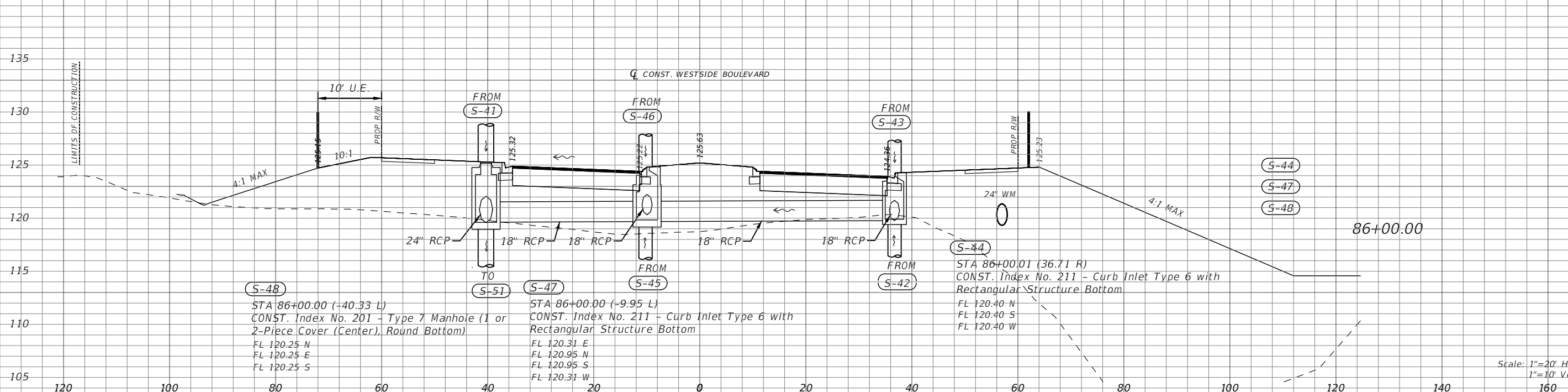
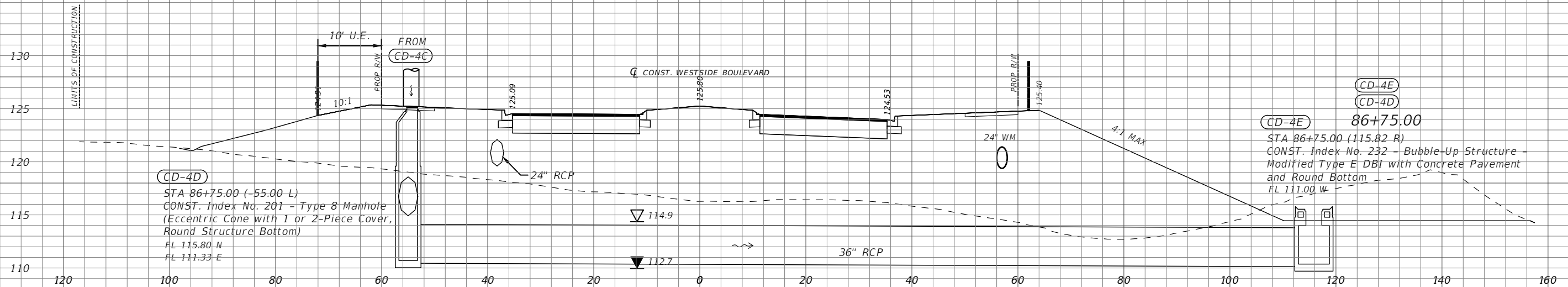
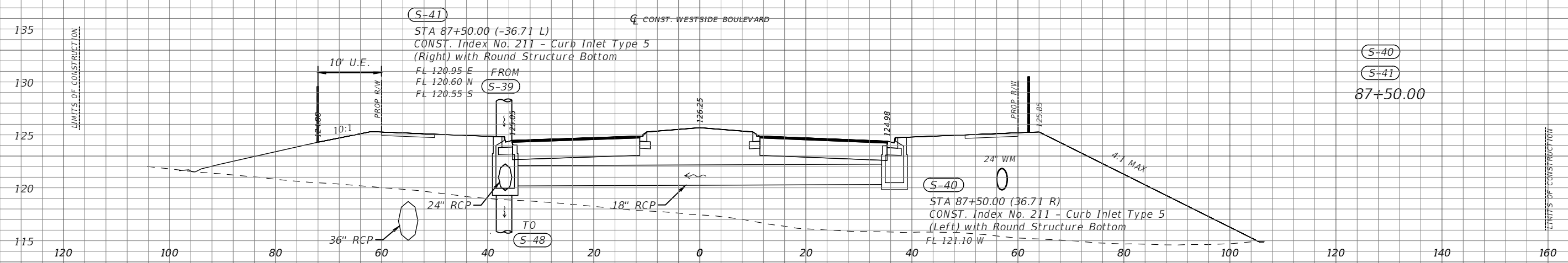
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DRAINAGE STRUCTURES

SHEET NO.
23



Scale: 1"=20' Horiz.
1"=10' Vert.

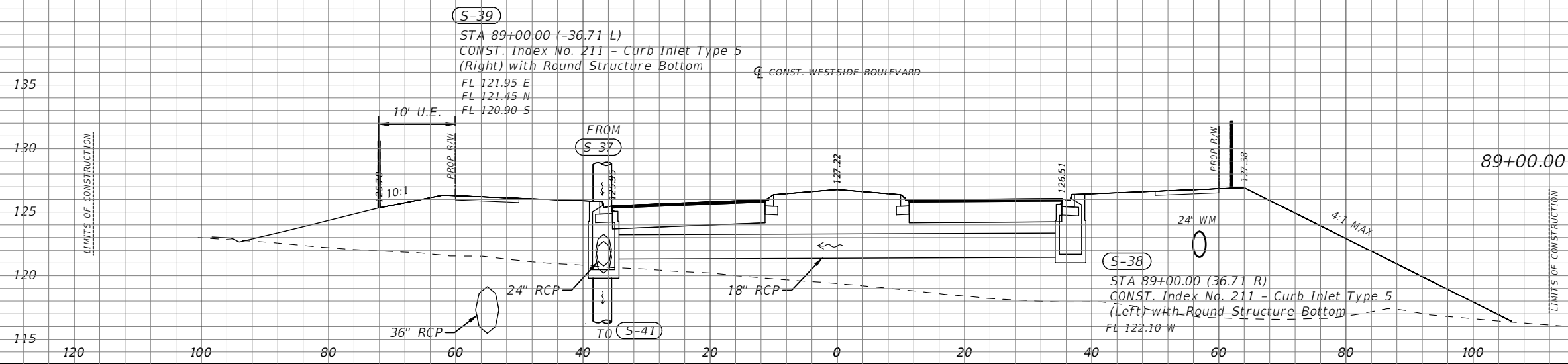
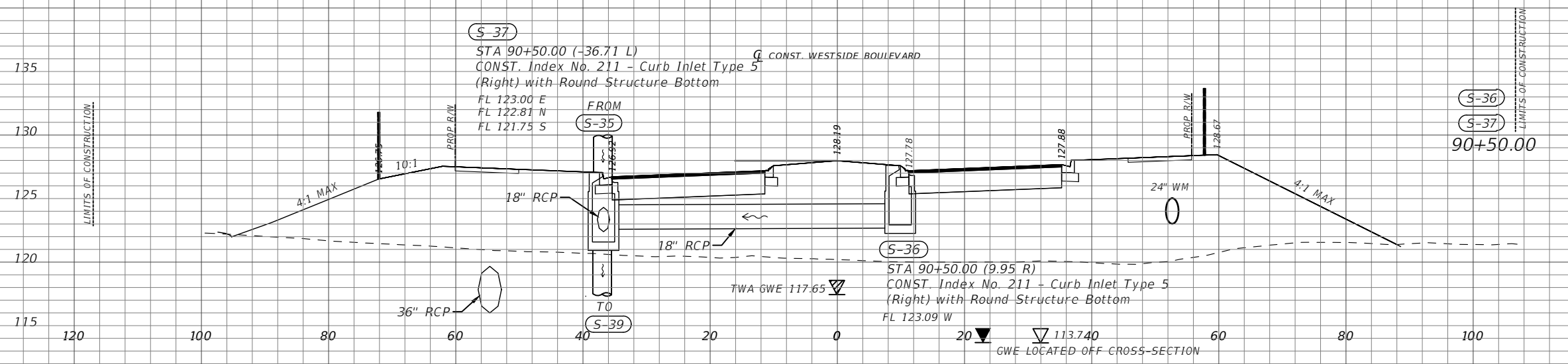
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OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT
DEPARTMENT

**DRAINAGE
STRUCTURES**

SHEET
NO.
24



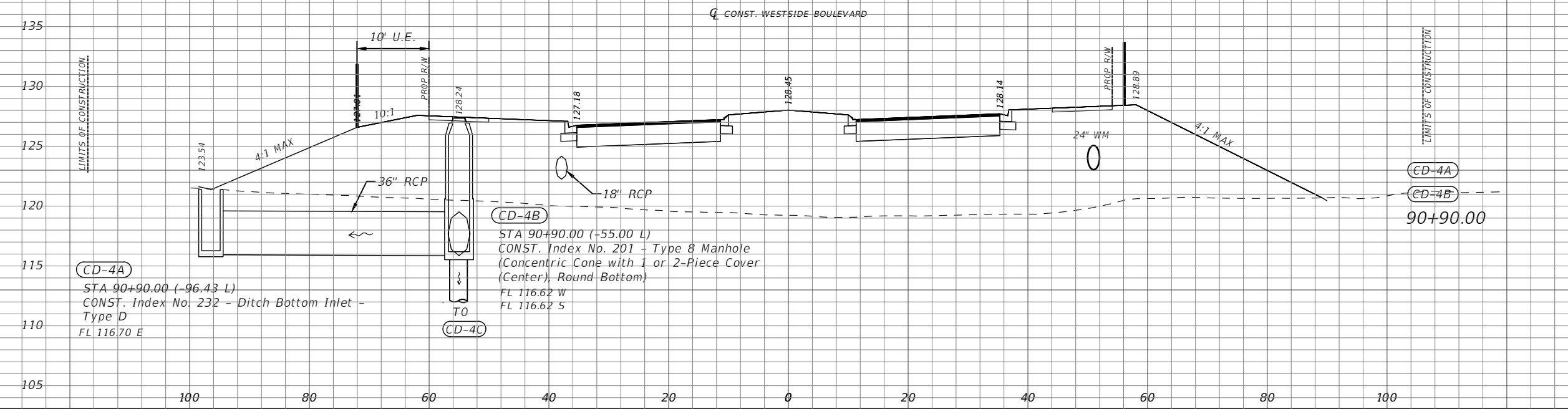
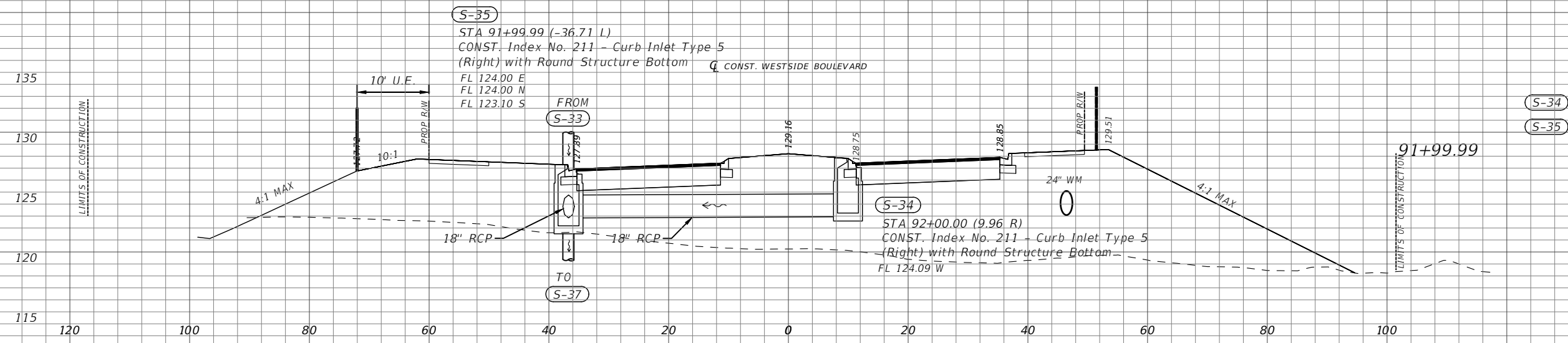
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OSCEOLA COUNTY
 TRANSPORTATION AND TRANSIT
 DEPARTMENT

**DRAINAGE
 STRUCTURES**

SHEET
 NO.
 25



Scale: 1"=20' Horiz.
1"=10' Vert.

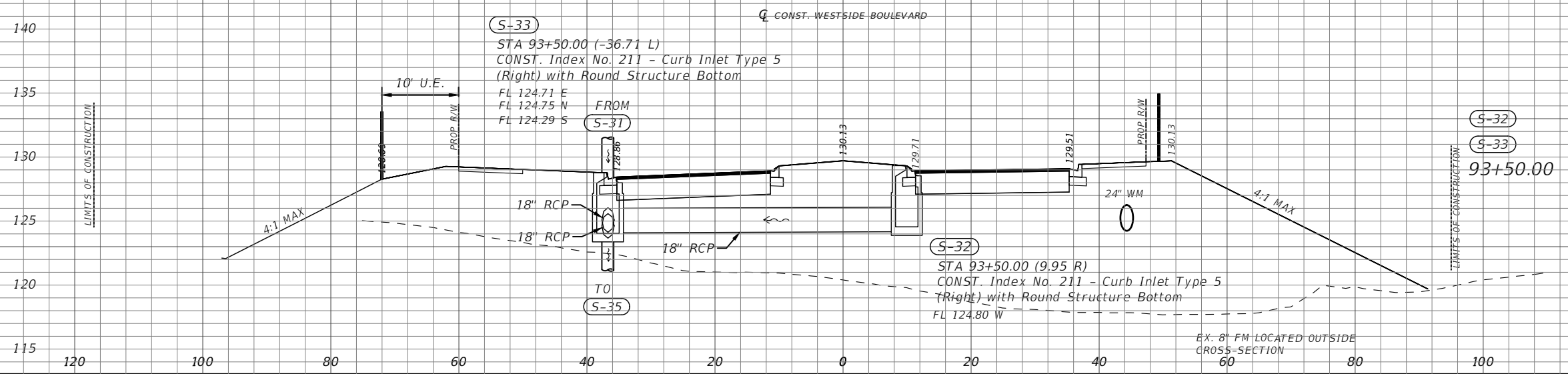
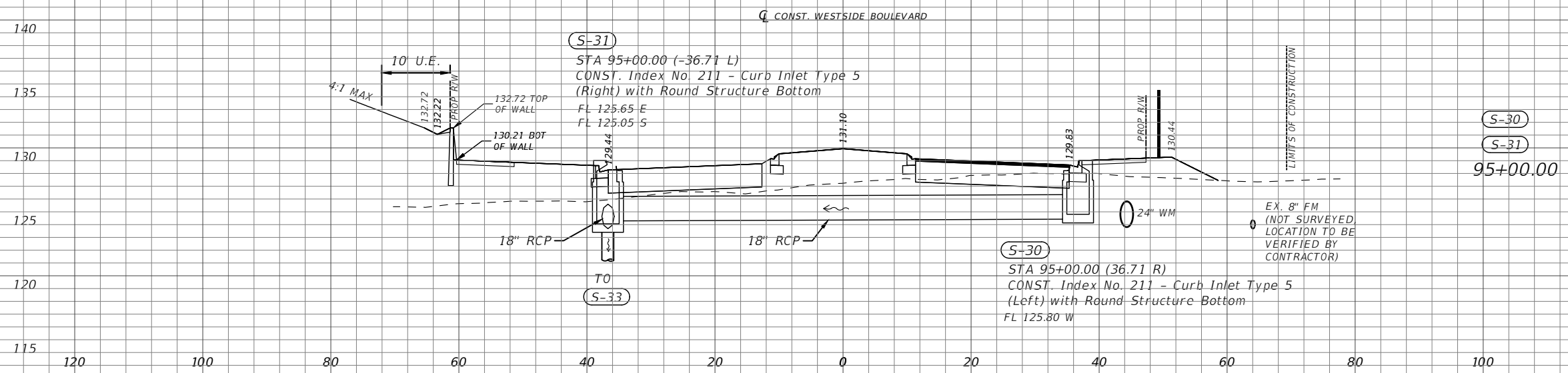
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TRANSPORTATION AND TRANSIT
DEPARTMENT

**DRAINAGE
STRUCTURES**

SHEET
NO.
26



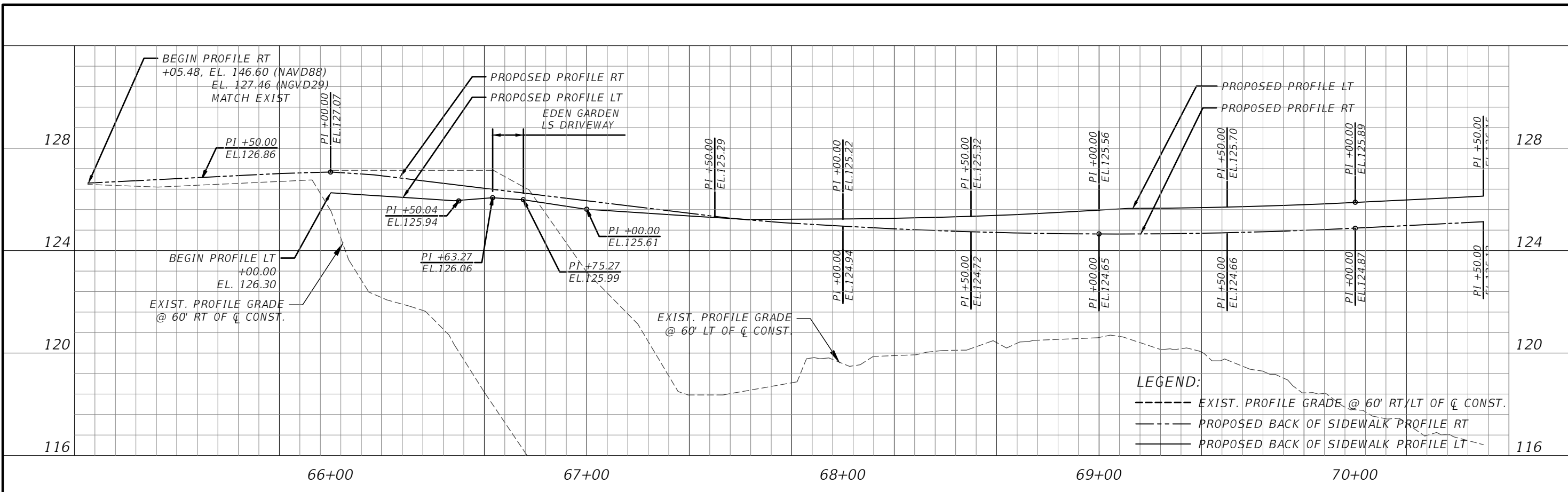
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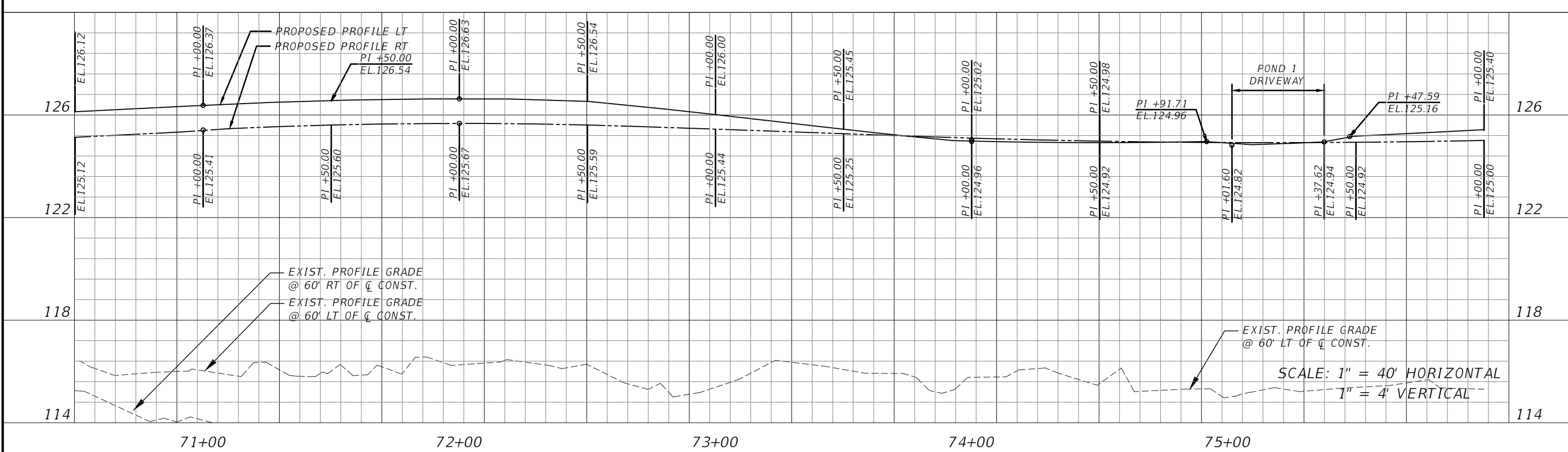


DRAINAGE STRUCTURES

SHEET NO.
27



LEGEND:
 - - - - - EXIST. PROFILE GRADE @ 60' RT/LT OF C CONST.
 - - - - - PROPOSED BACK OF SIDEWALK PROFILE RT
 - - - - - PROPOSED BACK OF SIDEWALK PROFILE LT



SCALE: 1" = 40' HORIZONTAL
 1" = 4' VERTICAL

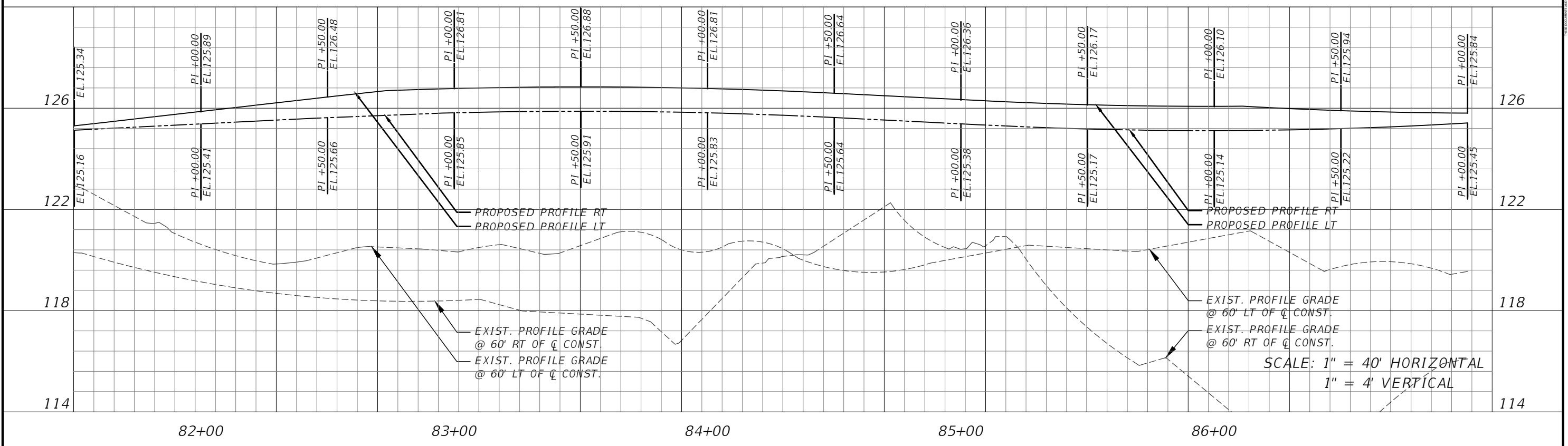
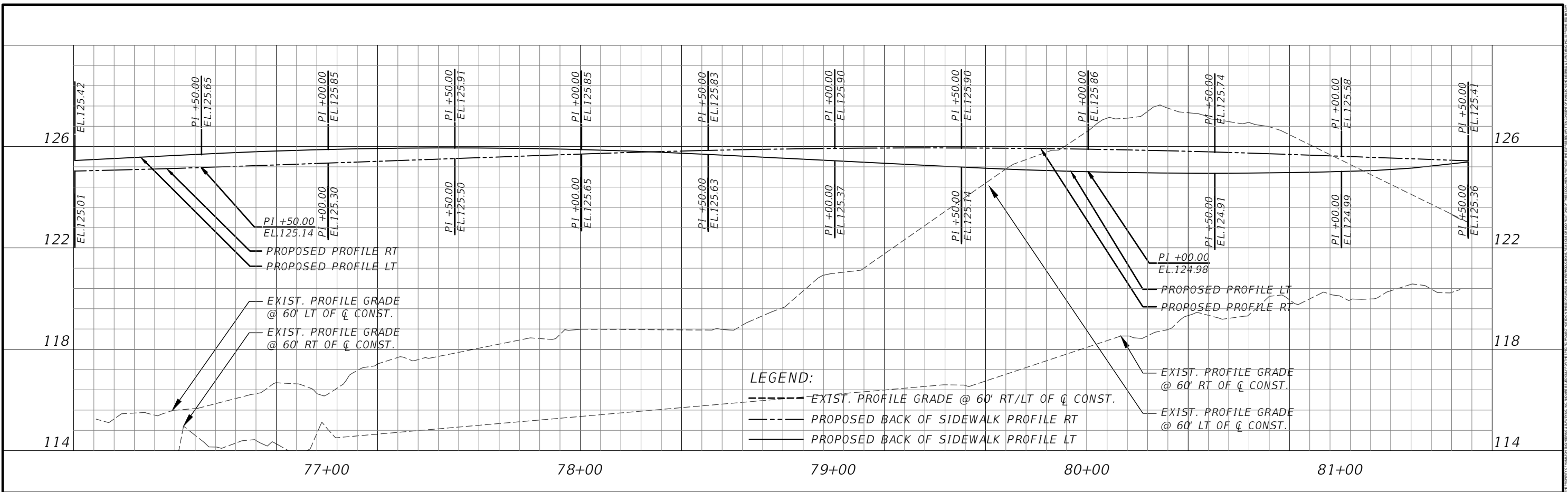
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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BACK-OF-SIDEWALK PROFILES

SHEET NO.
 28



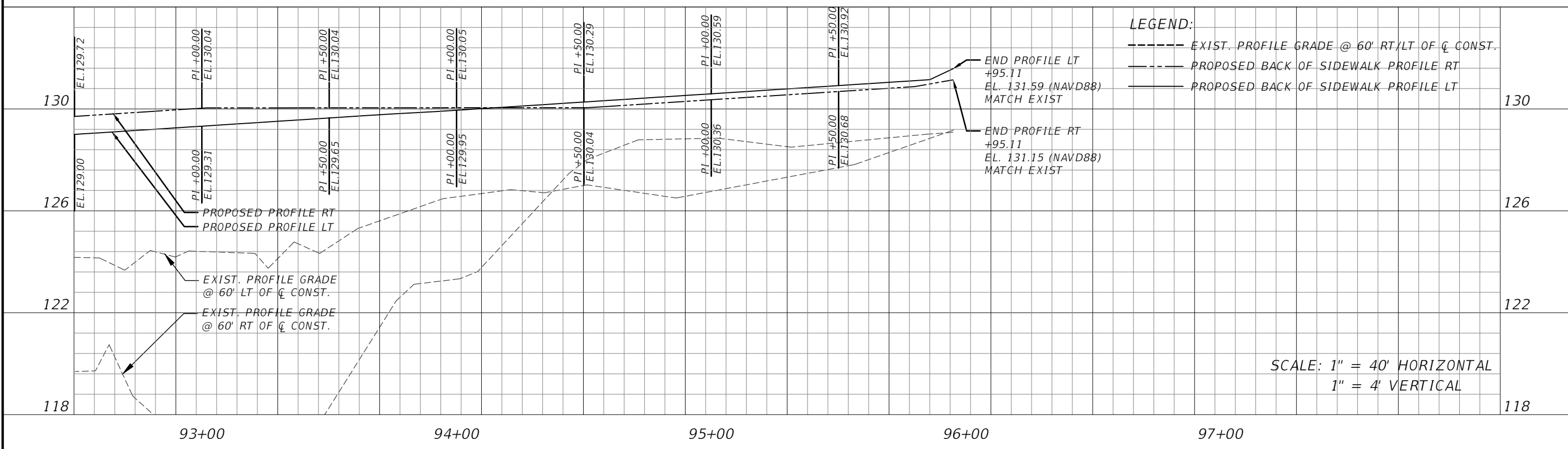
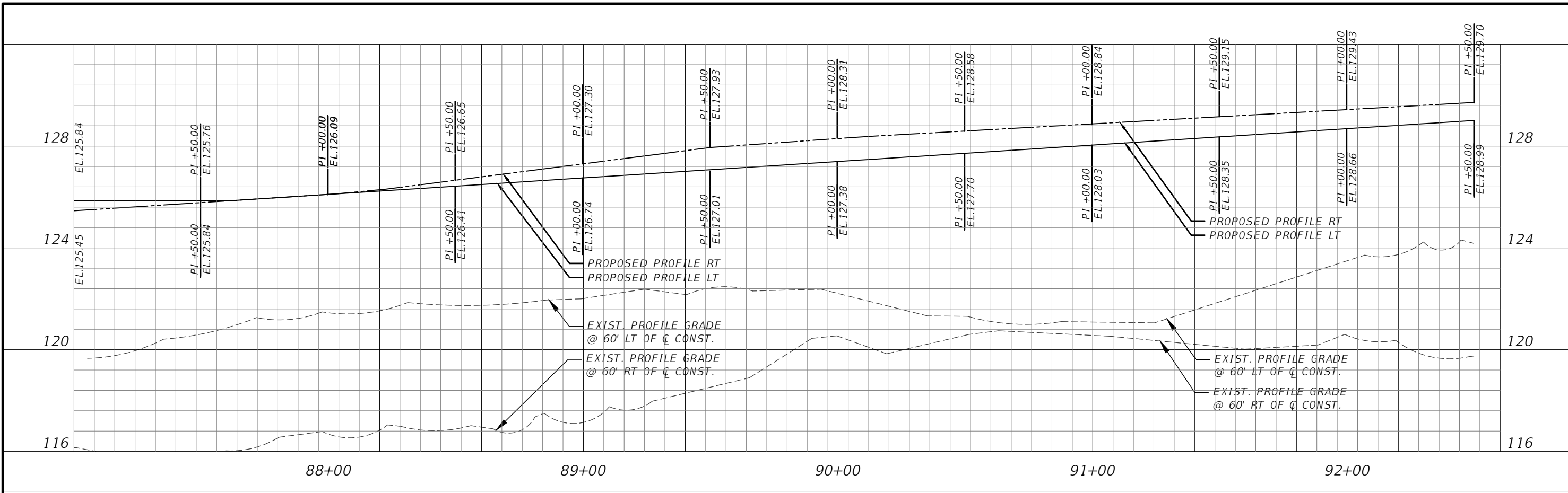
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TRANSPORTATION AND TRANSIT
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**BACK-OF-SIDEWALK
PROFILES**

SHEET
NO.
29



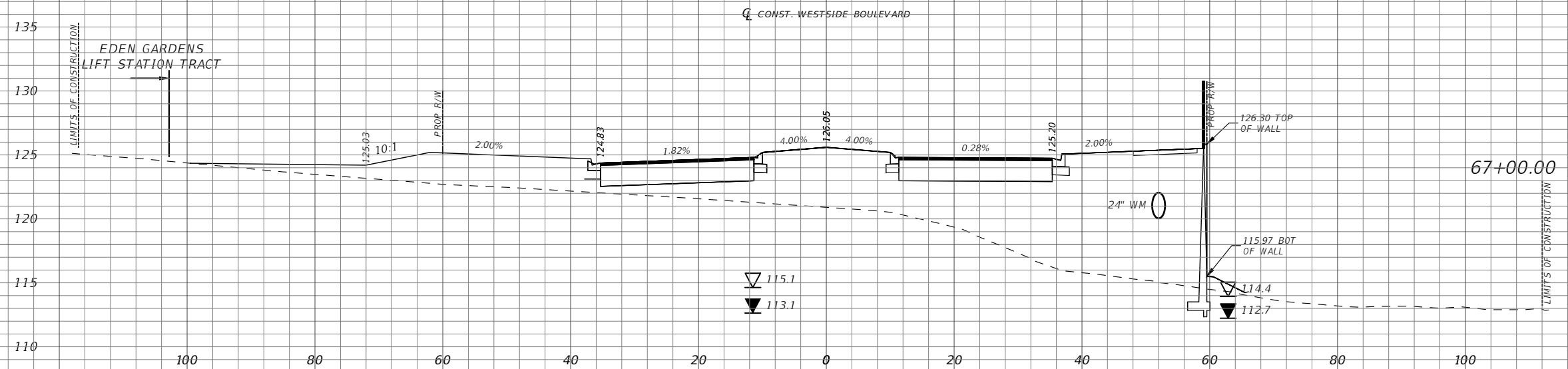
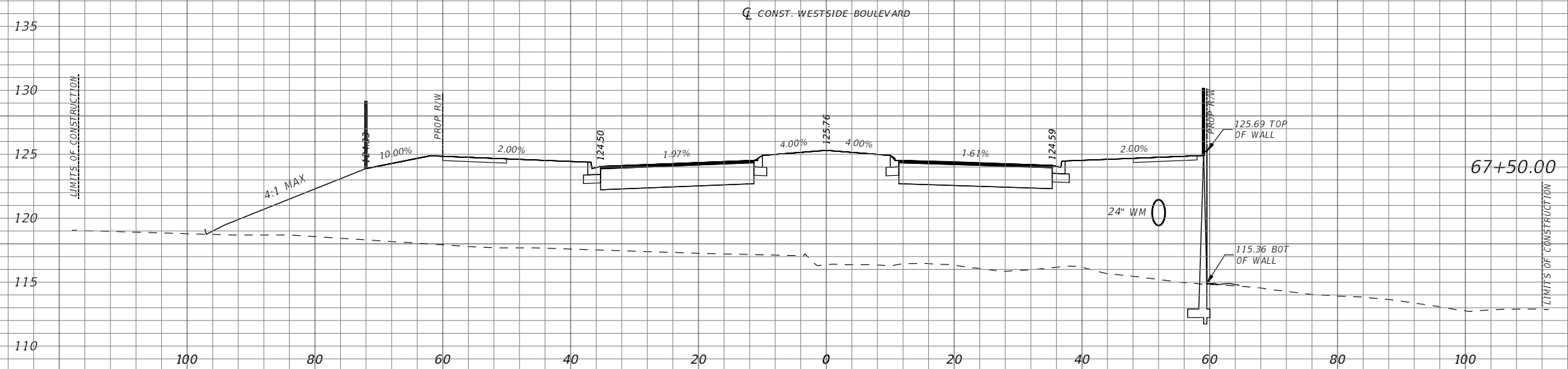
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BACK-OF-SIDEWALK
 PROFILES

SHEET
 NO.
 30



Scale: 1"=20' Horiz.
1"=10' Vert.

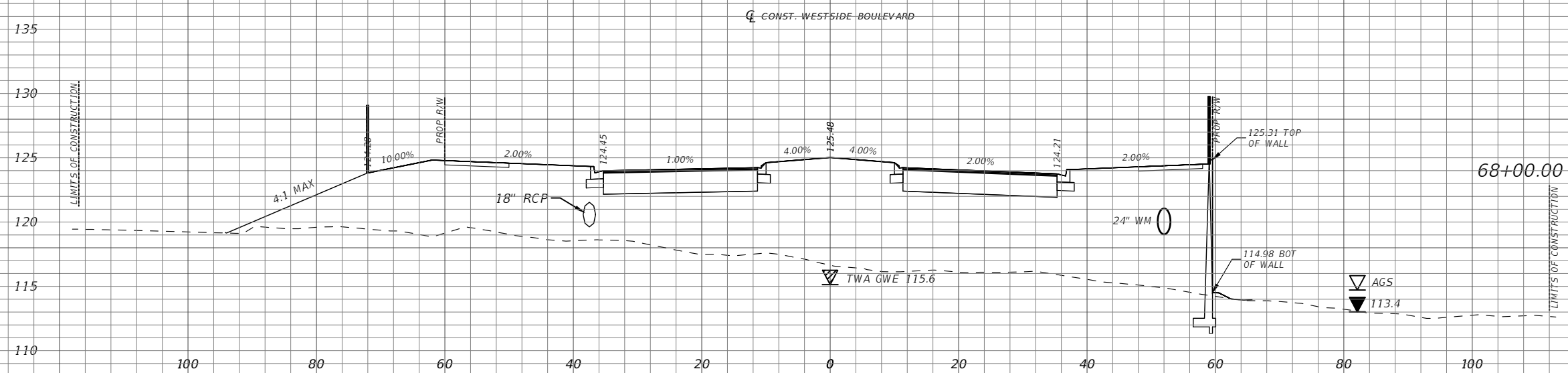
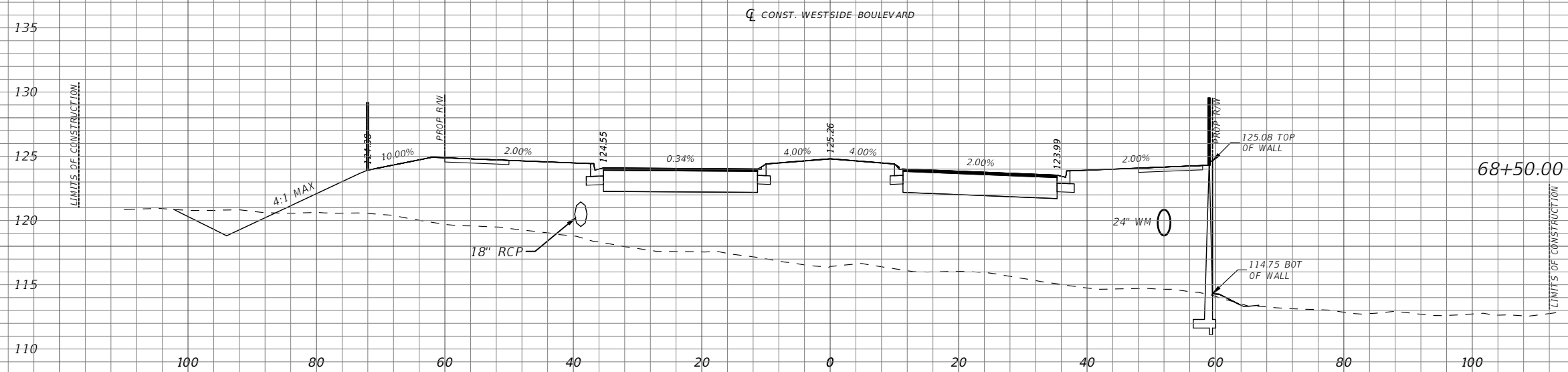
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CROSS SECTIONS

SHEET NO.
31



Scale: 1"=20' Horiz.
1"=10' Vert.

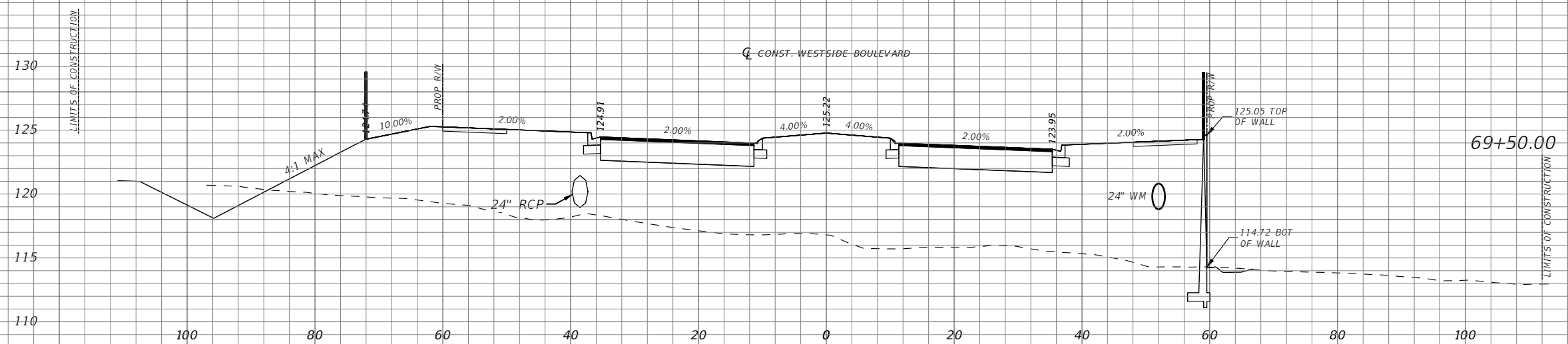
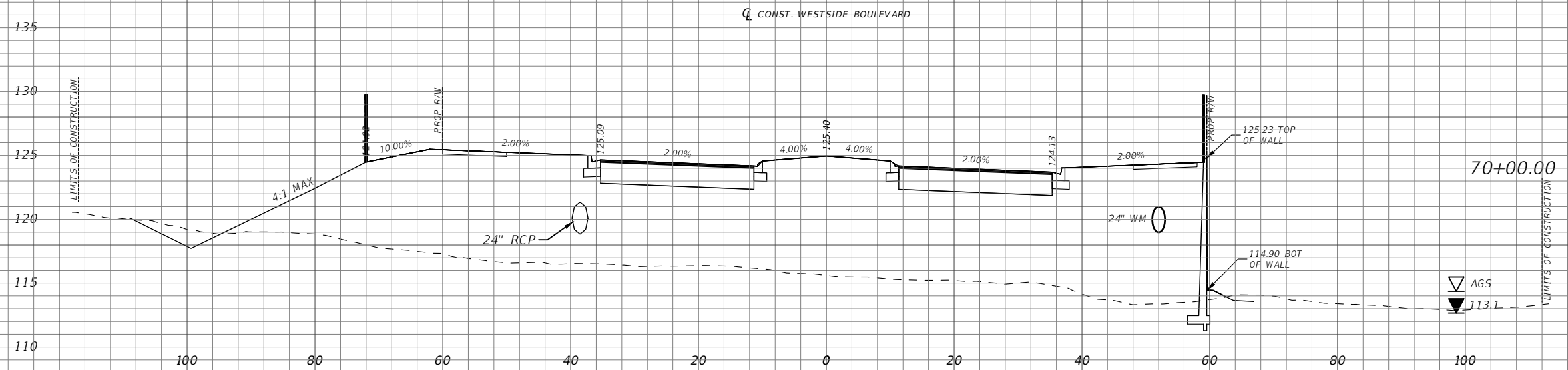
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CROSS SECTIONS

SHEET NO.
32



Scale: 1"=20' Horiz.
1"=10' Vert.

REVISIONS	
DATE	DESCRIPTION

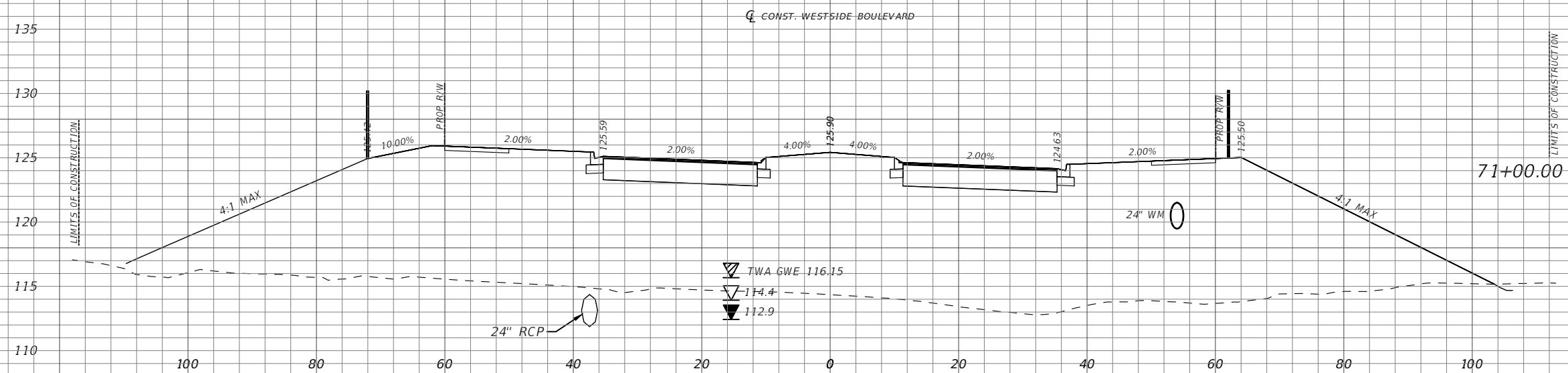
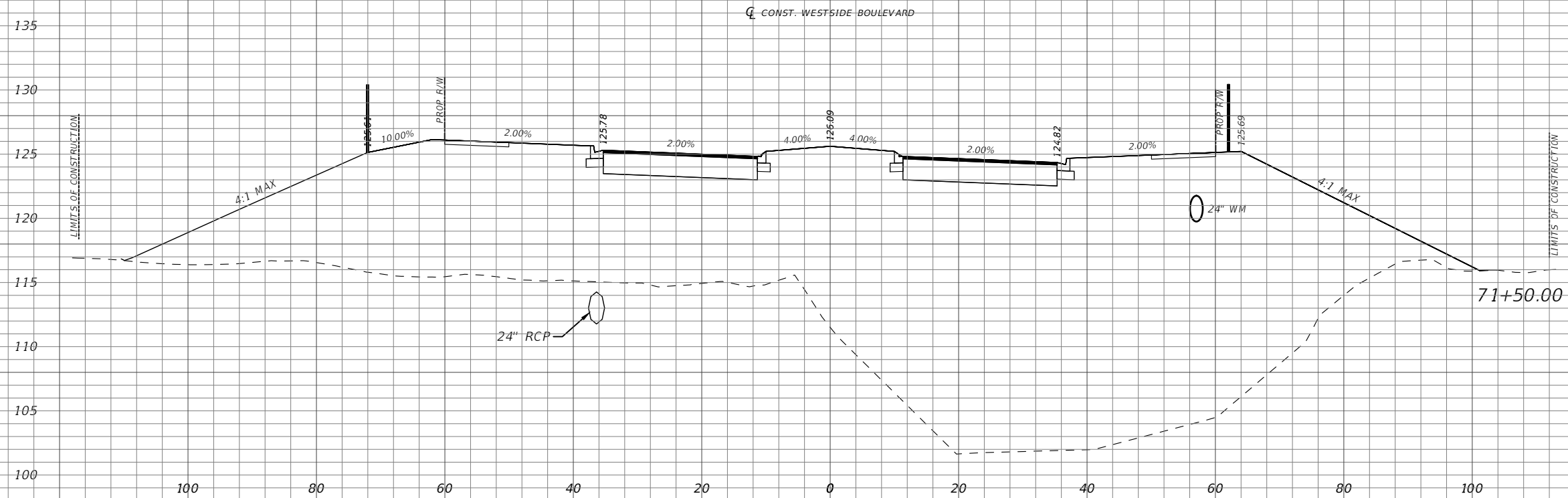
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TRANSPORTATION AND TRANSIT
DEPARTMENT

CROSS SECTIONS

SHEET
NO.
33



Scale: 1"=20' Horiz.
1"=10' Vert.

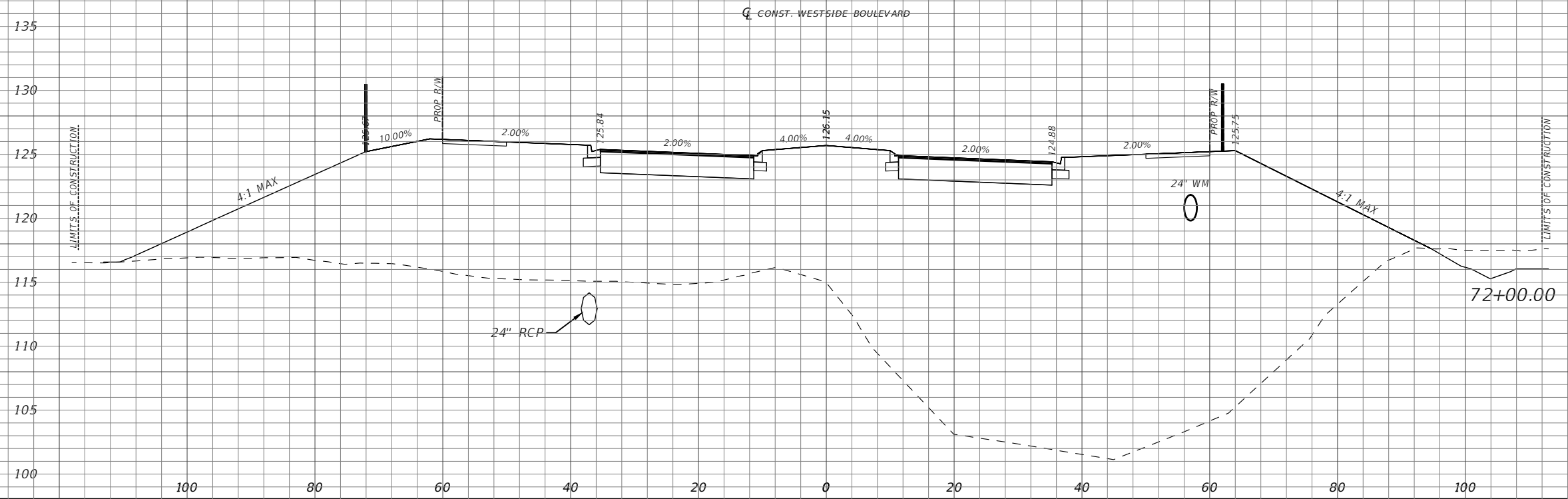
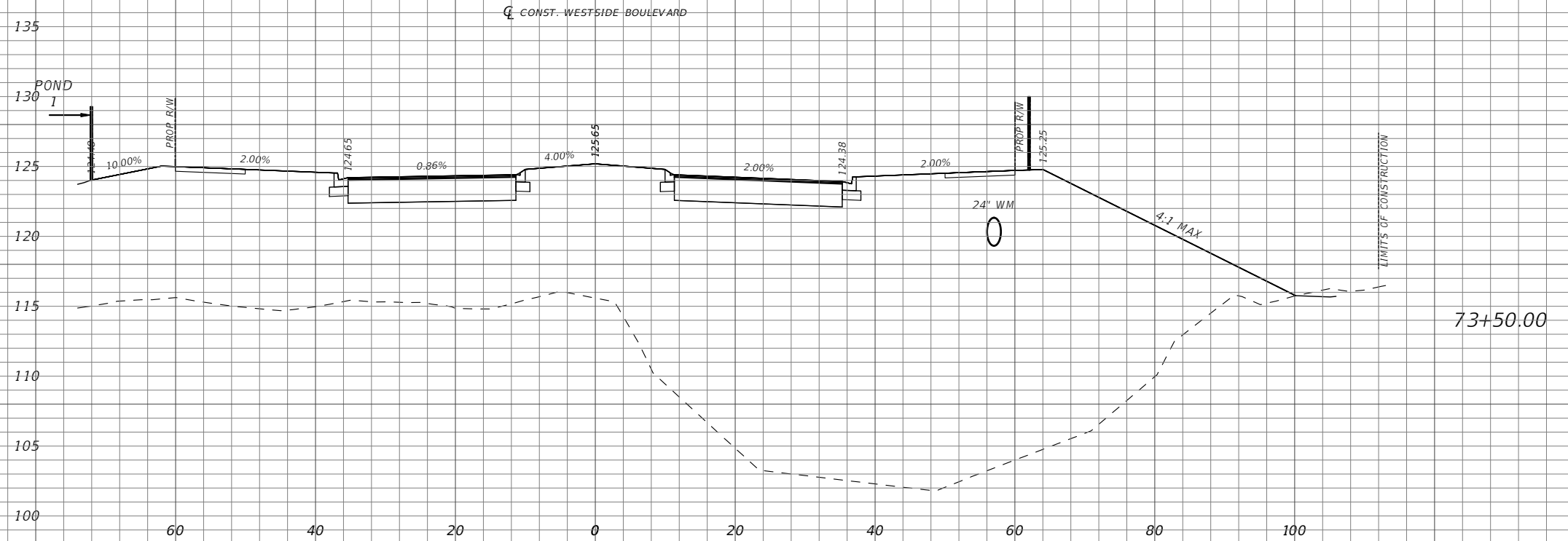
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CROSS SECTIONS

SHEET NO.
34



Scale: 1"=20' Horiz.
1"=10' Vert.

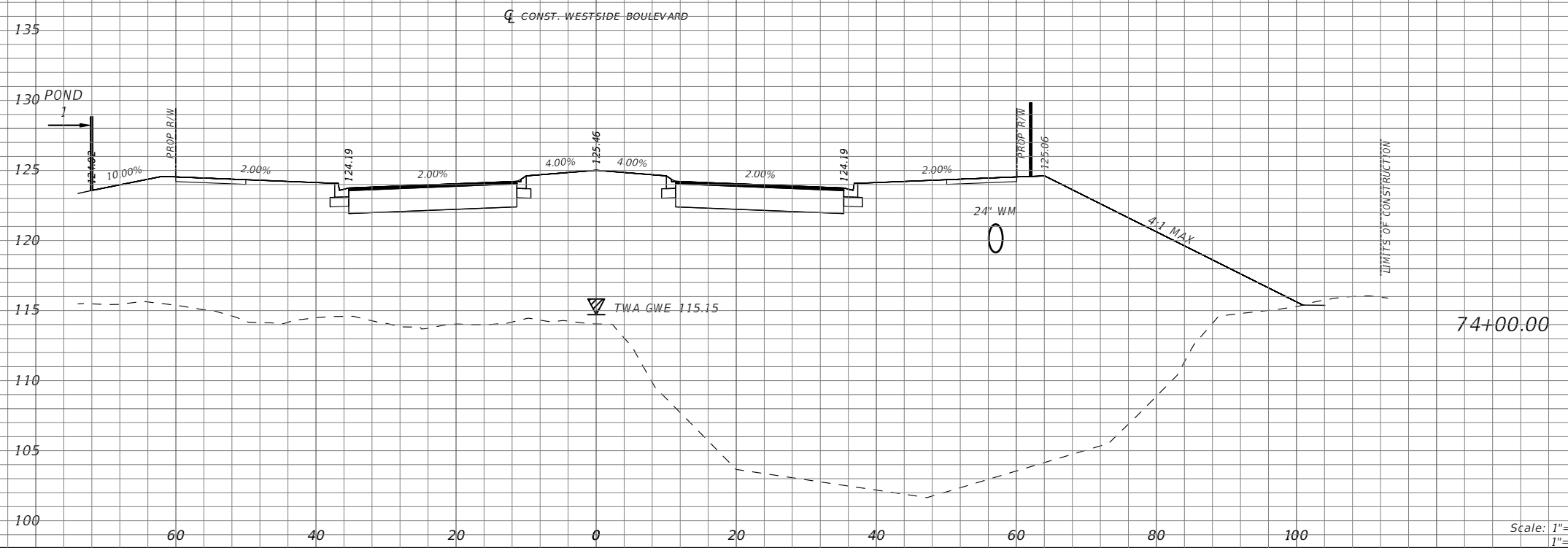
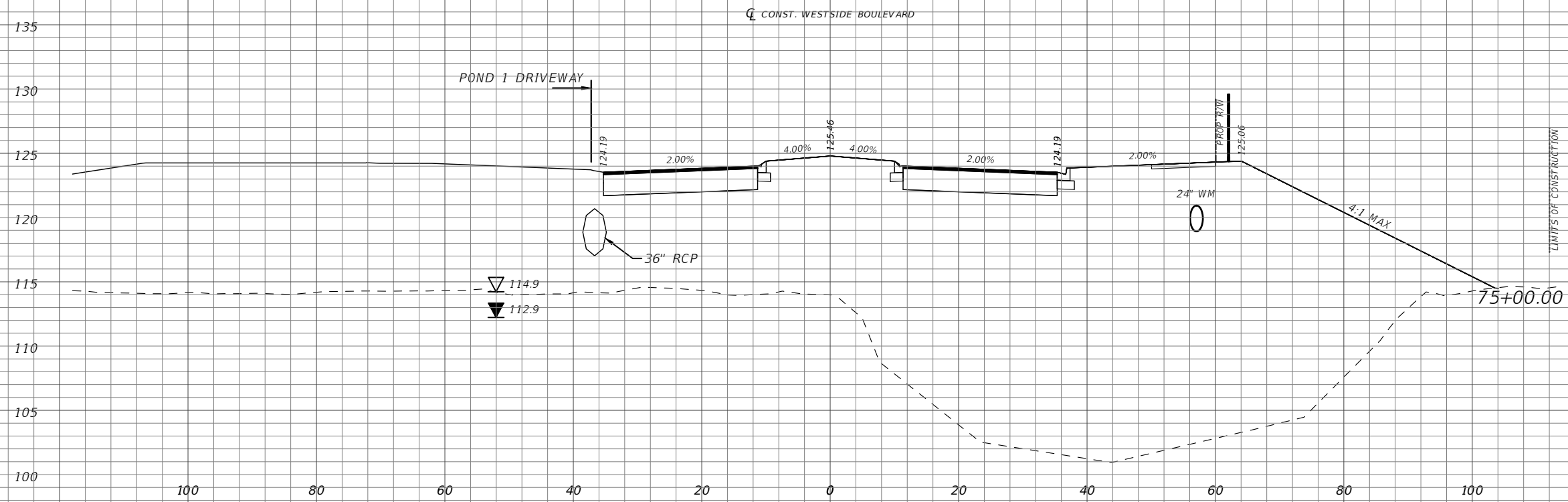
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CROSS SECTIONS

SHEET NO.
35



Scale: 1"=20' Horiz.
1"=10' Vert.

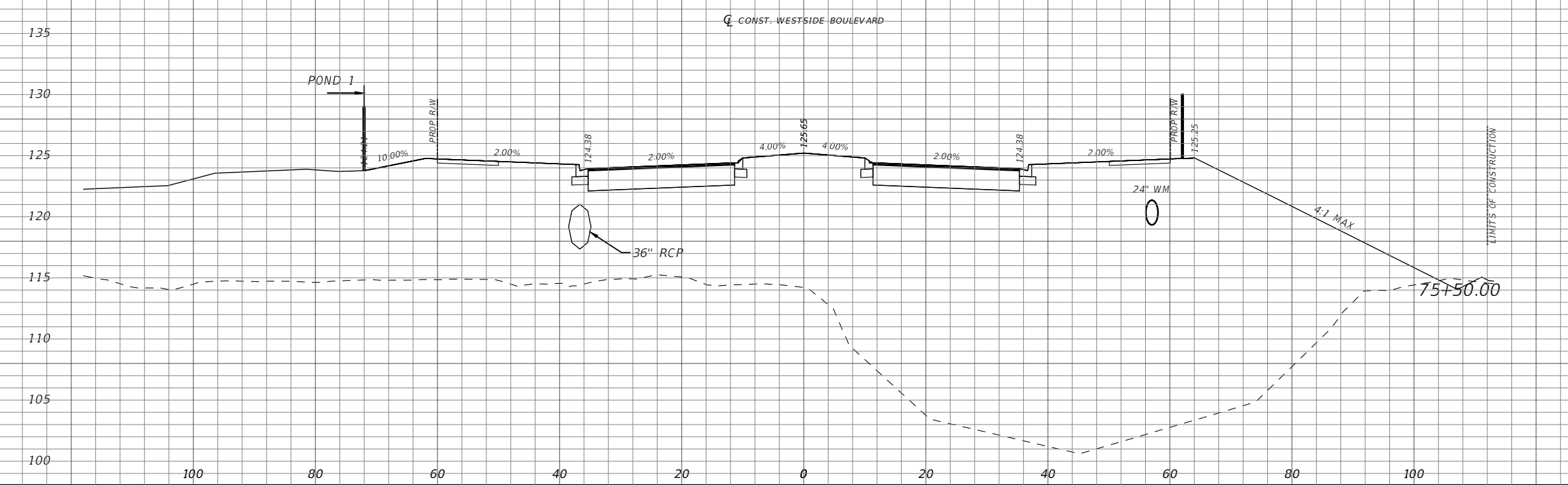
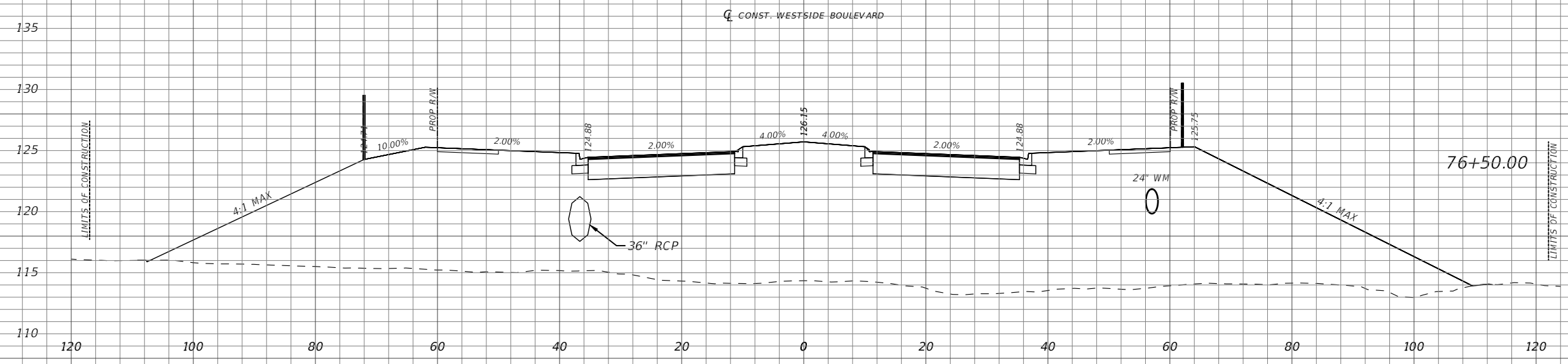
REVISIONS			
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CROSS SECTIONS

SHEET NO.
36



Scale: 1"=20' Horiz.
1"=10' Vert.

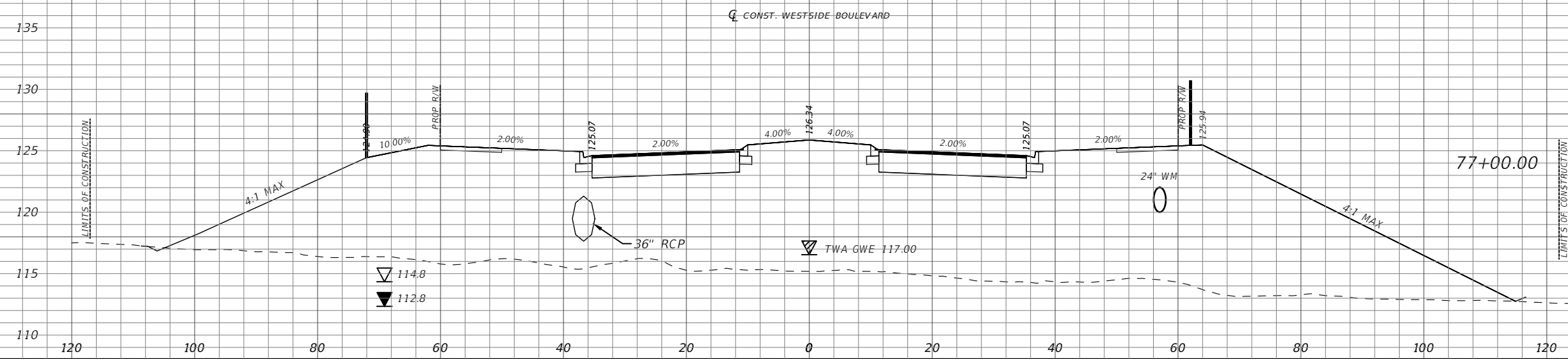
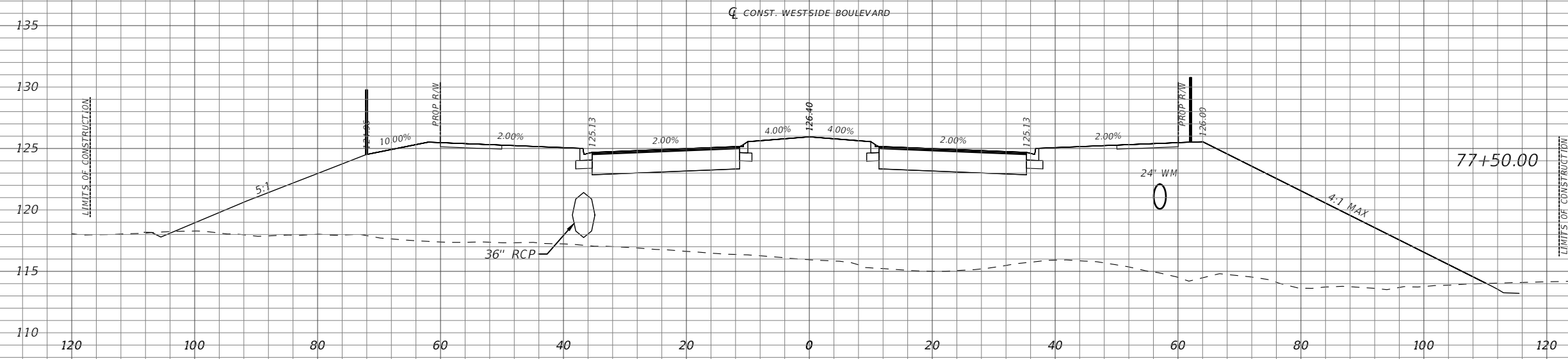
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CROSS SECTIONS

SHEET
NO.
37



Scale: 1"=20' Horiz.
1"=10' Vert.

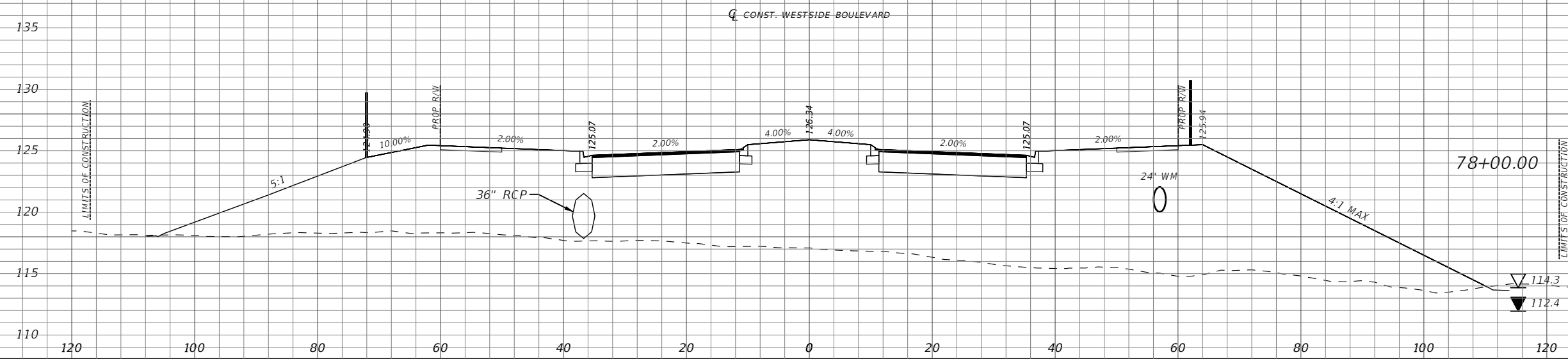
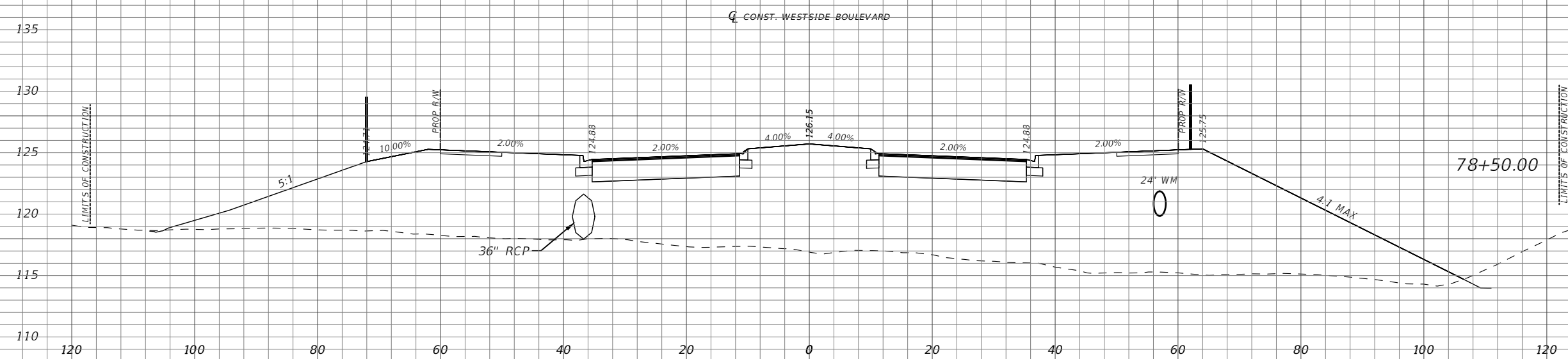
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CROSS SECTIONS

SHEET NO.
38



Scale: 1"=20' Horiz.
1"=10' Vert.

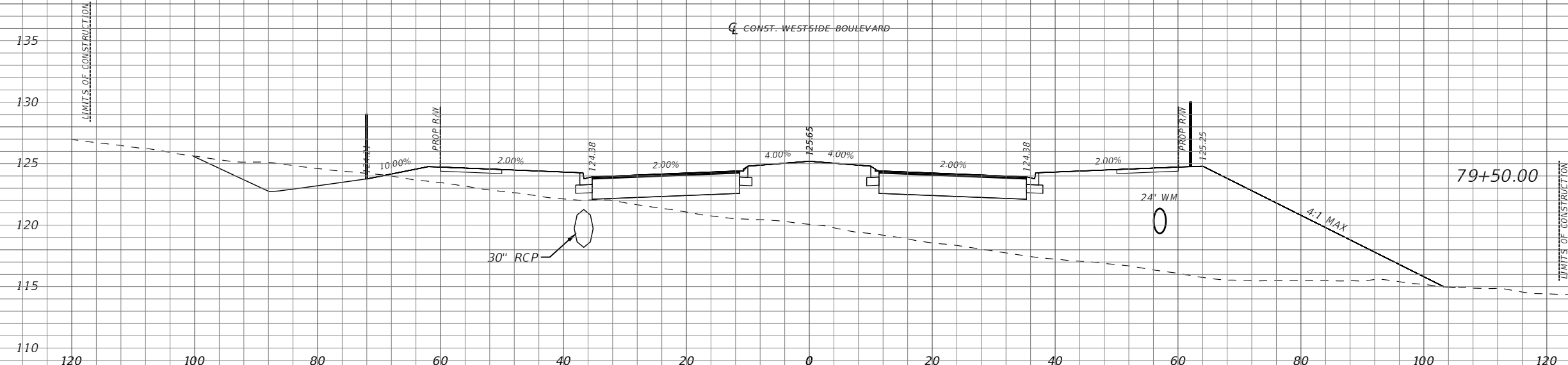
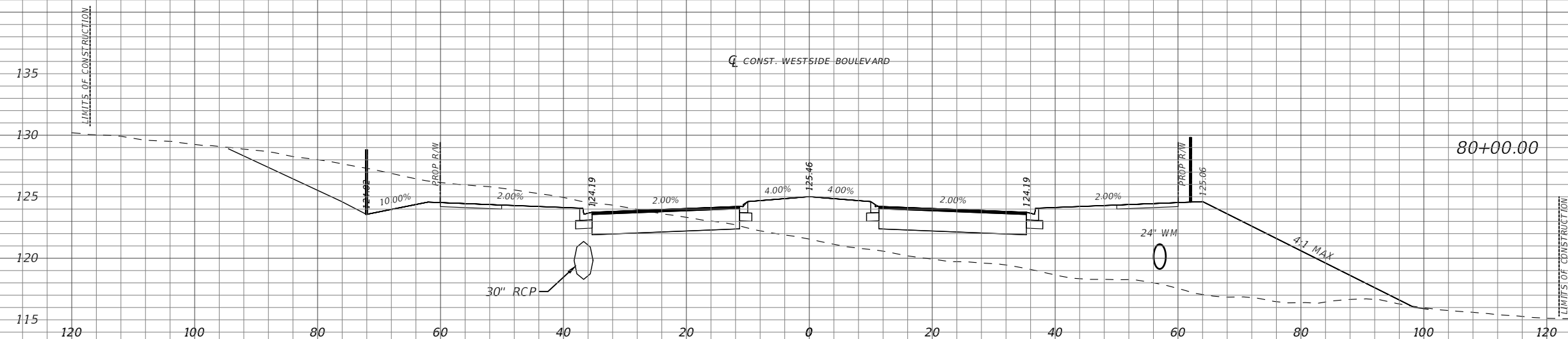
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CROSS SECTIONS

SHEET NO.
39



Scale: 1"=20' Horiz.
1"=10' Vert.

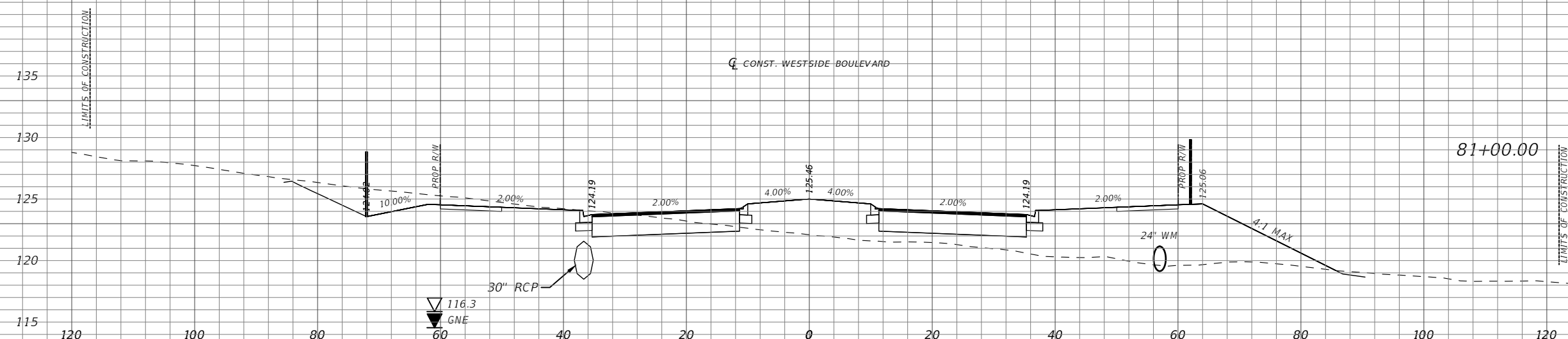
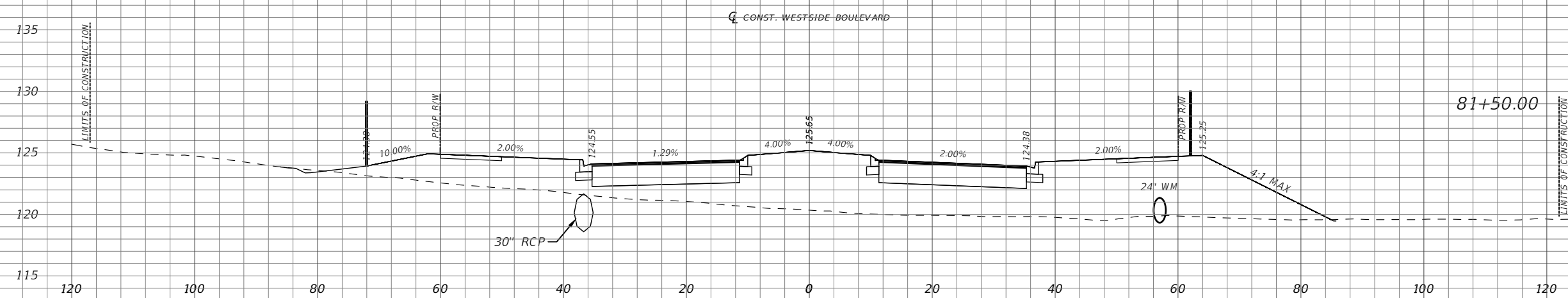
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CROSS SECTIONS

SHEET NO.
40



Scale: 1"=20' Horiz.
1"=10' Vert.

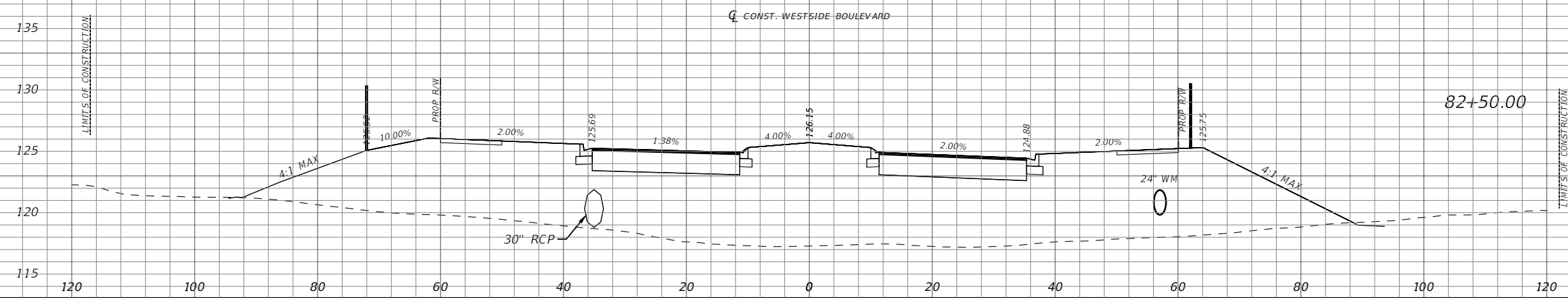
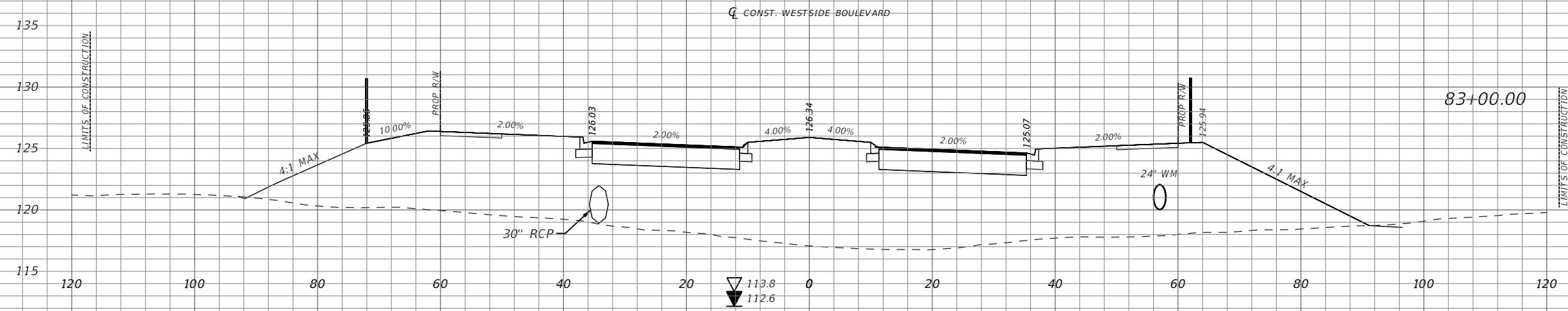
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CROSS SECTIONS

SHEET NO.
41



Scale: 1"=20' Horiz.
1"=10' Vert.

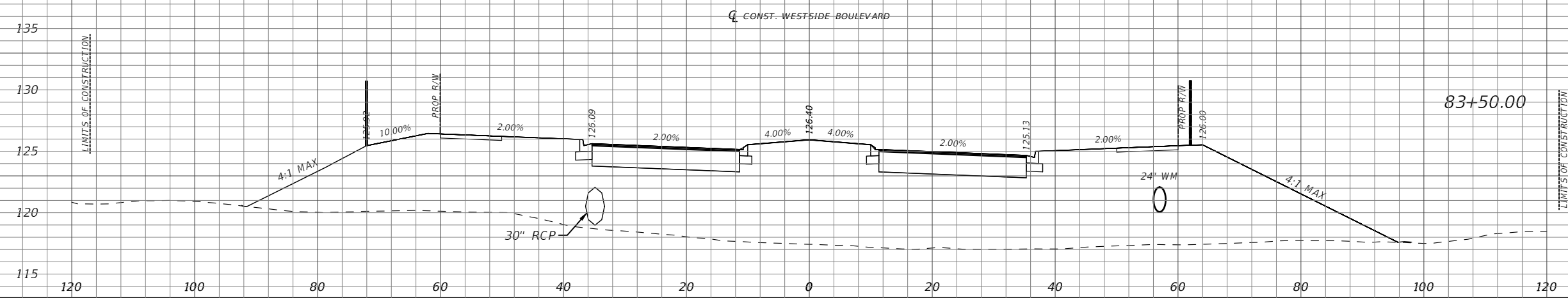
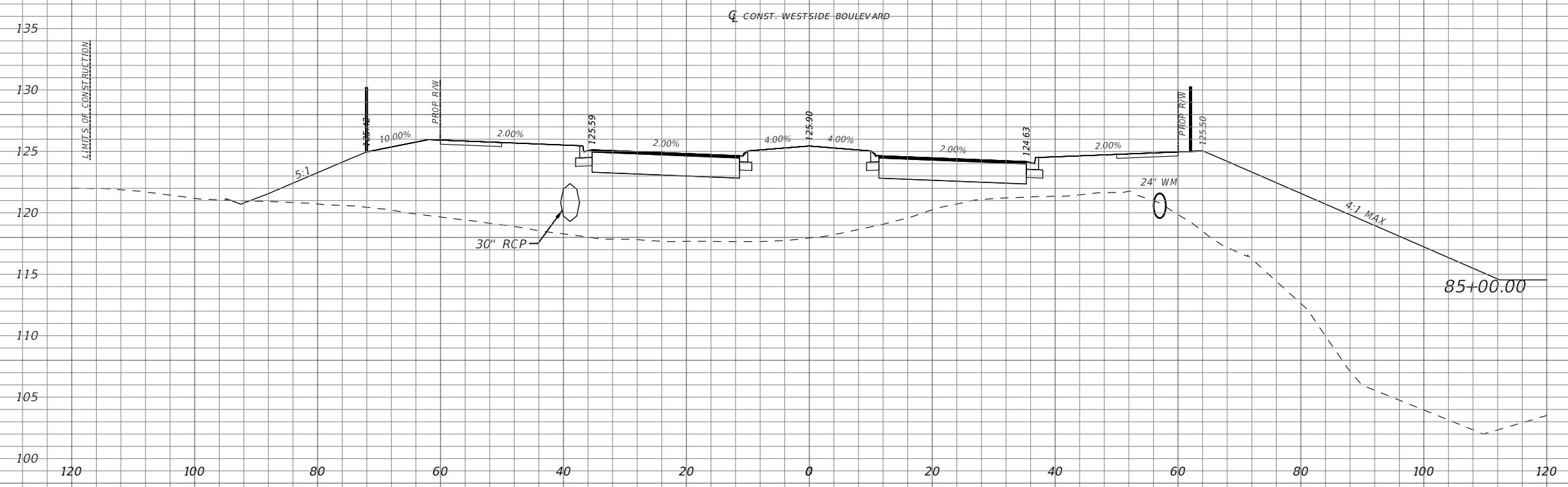
REVISIONS	
DATE	DESCRIPTION

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CROSS SECTIONS

SHEET NO.
42



Scale: 1"=20' Horiz.
1"=10' Vert.

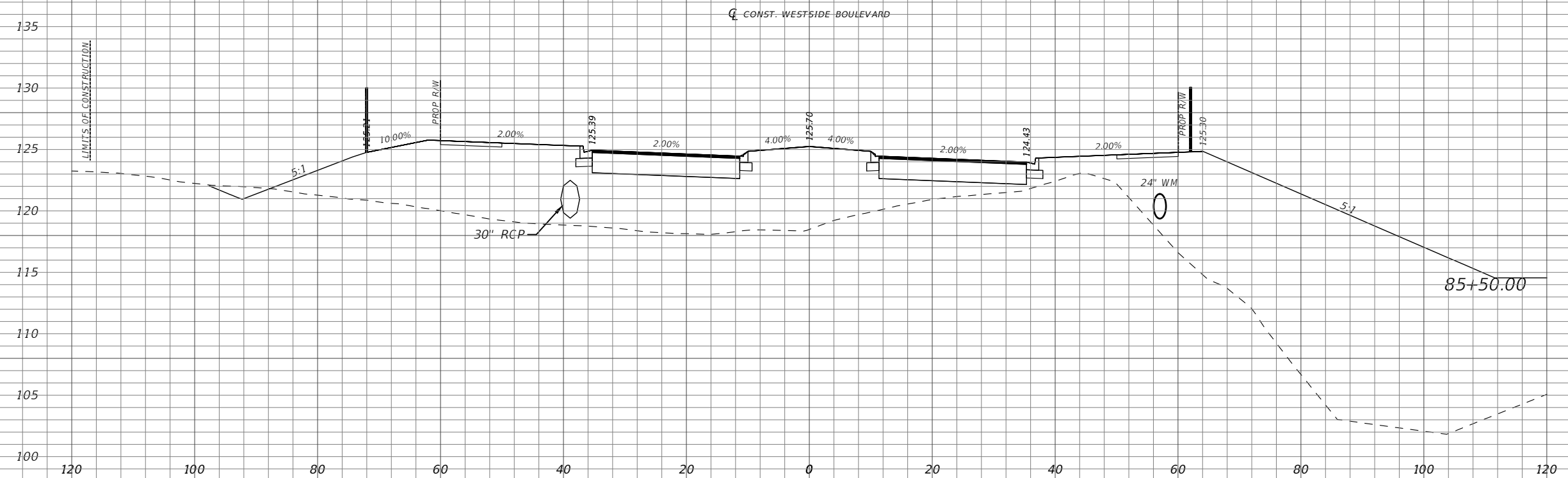
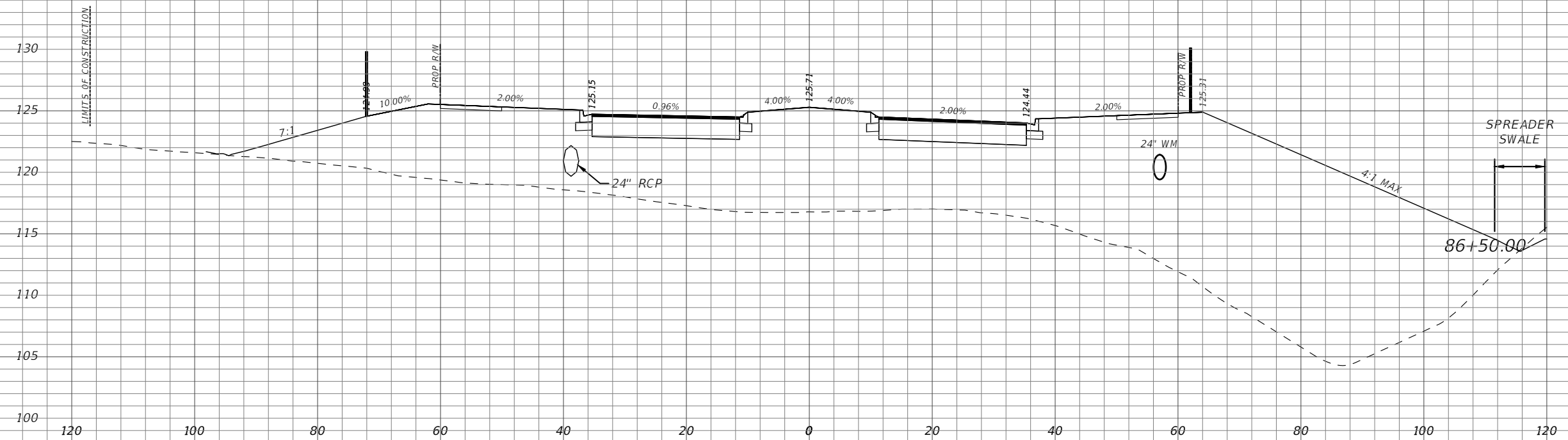
REVISIONS	
DATE	DESCRIPTION

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CROSS SECTIONS

SHEET NO.
43



Scale: 1"=20' Horiz.
1"=10' Vert.

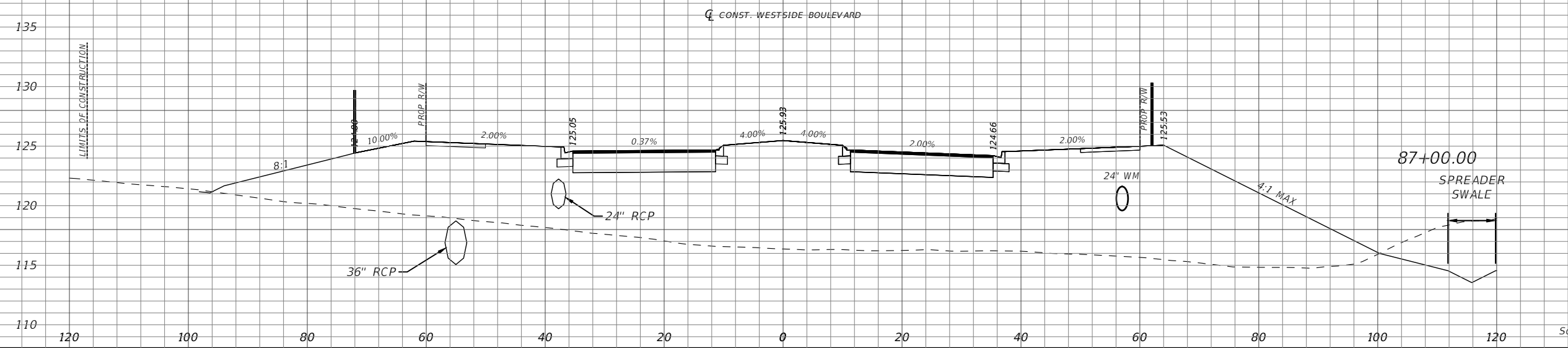
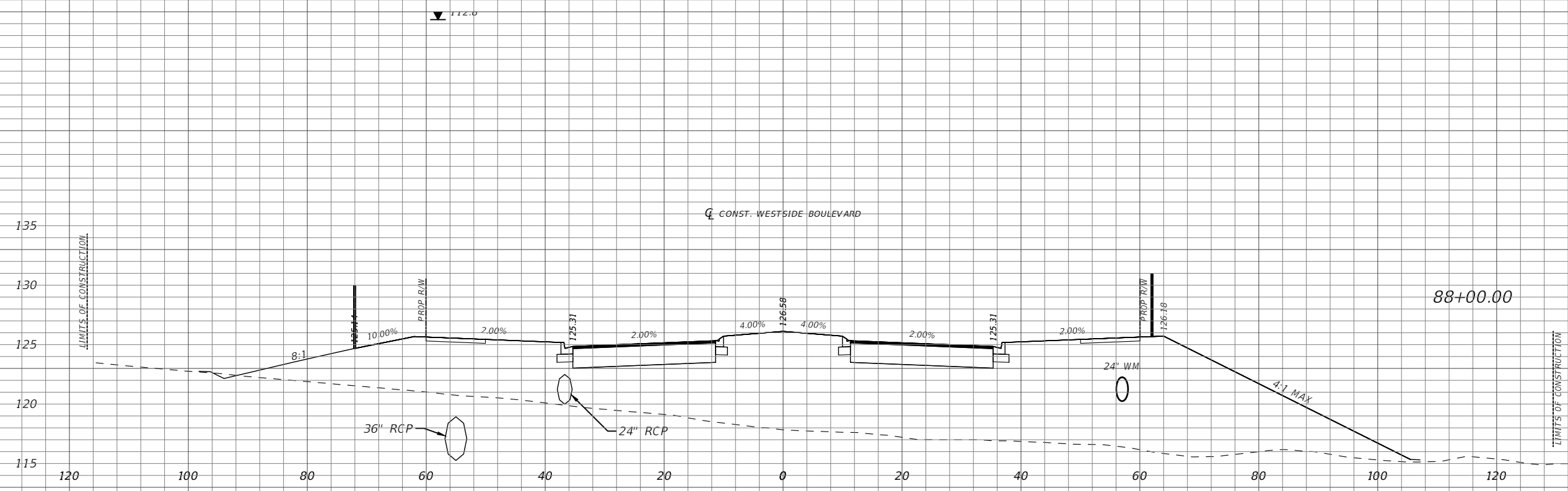
REVISIONS	
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CROSS SECTIONS

SHEET NO.
44



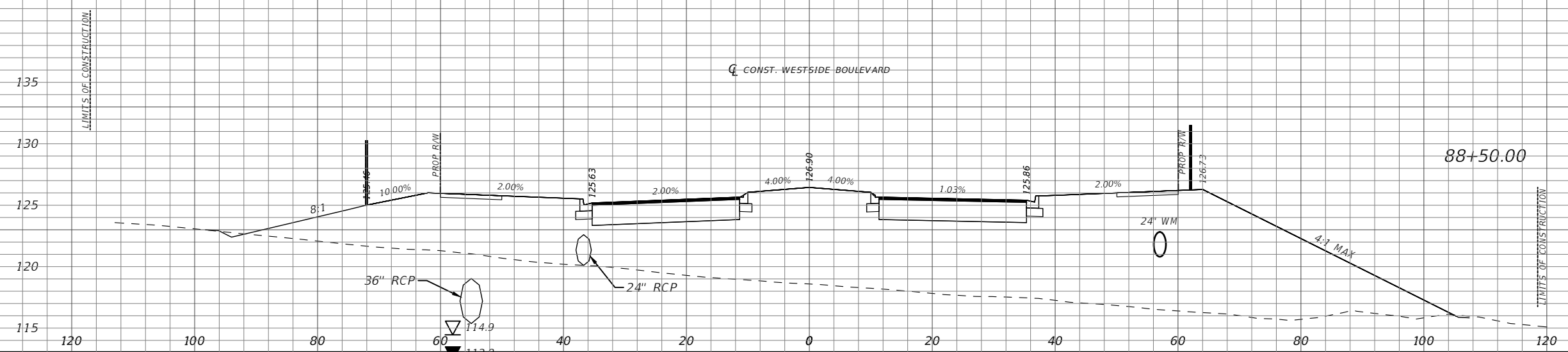
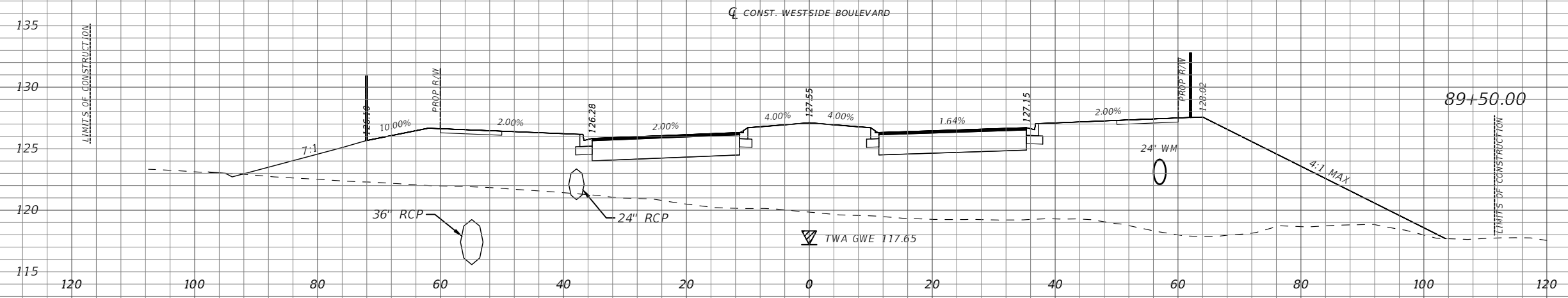
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CROSS SECTIONS

SHEET NO.
45



Scale: 1"=20' Horiz.
1"=10' Vert.

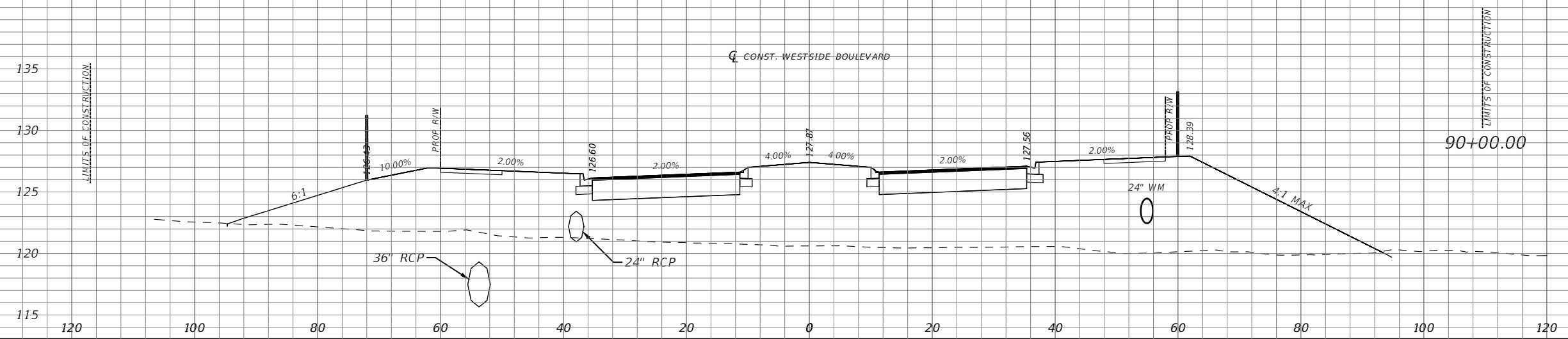
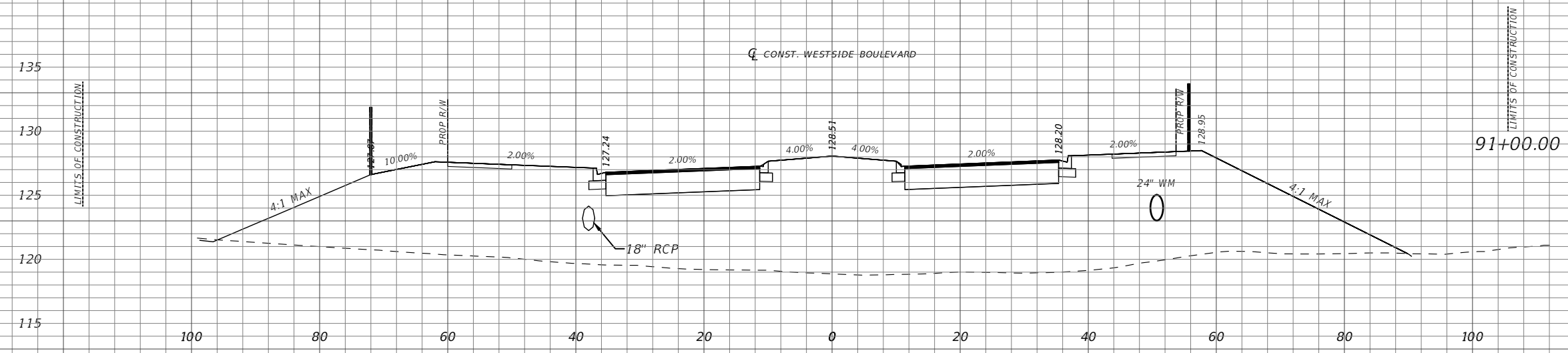
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CROSS SECTIONS

SHEET
NO.
46



Scale: 1"=20' Horiz.
1"=10' Vert.

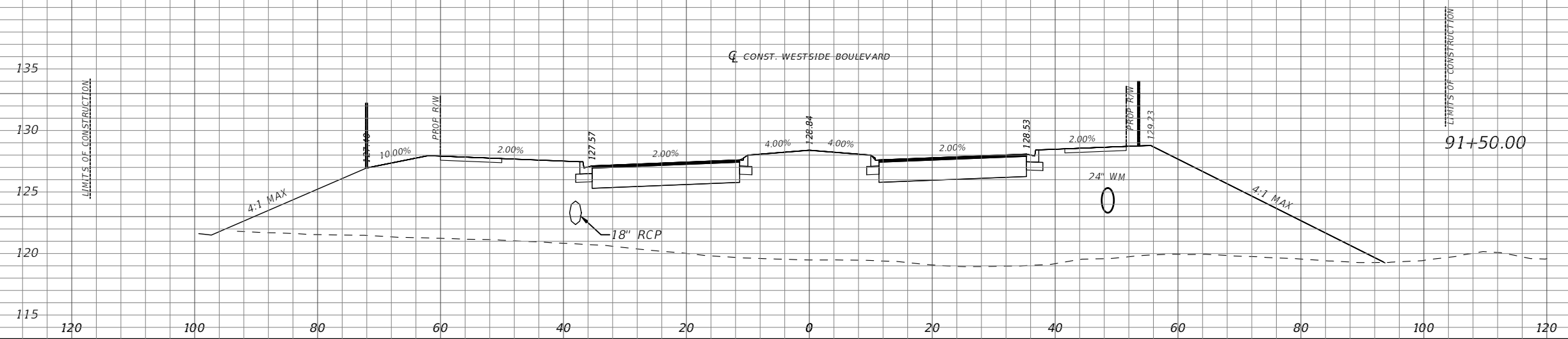
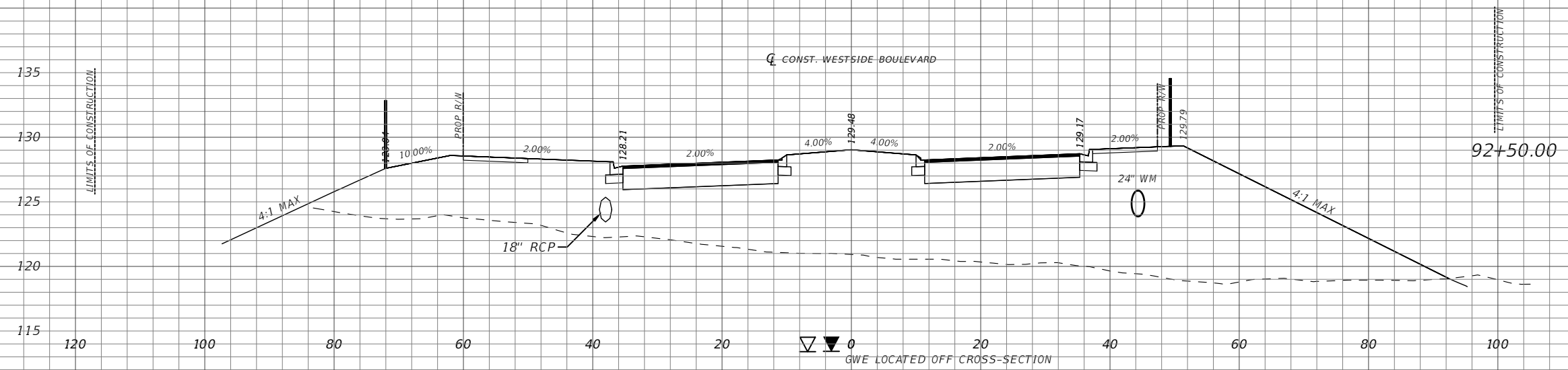
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CROSS SECTIONS

SHEET NO.
47



Scale: 1"=20' Horiz.
1"=10' Vert.

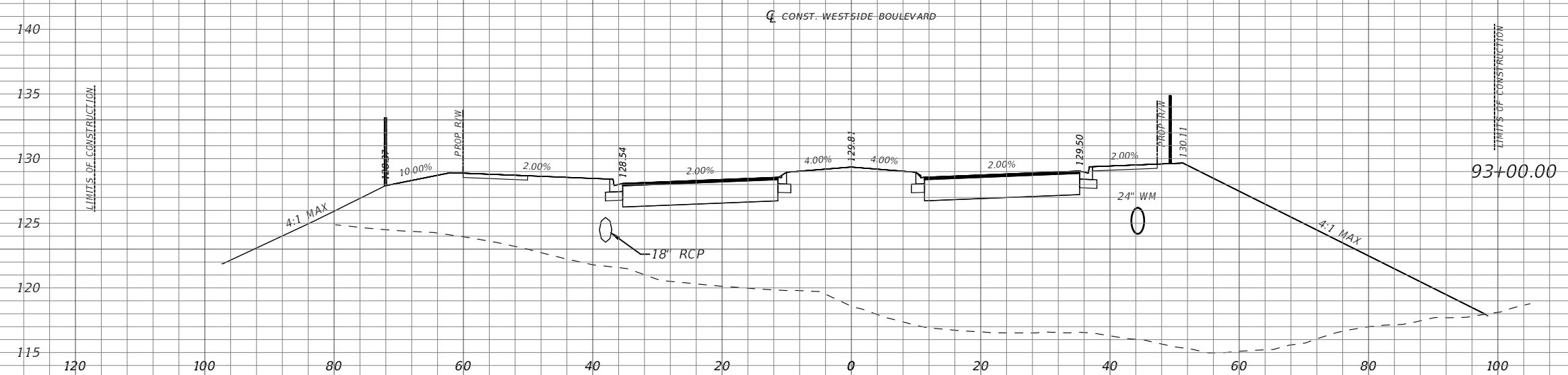
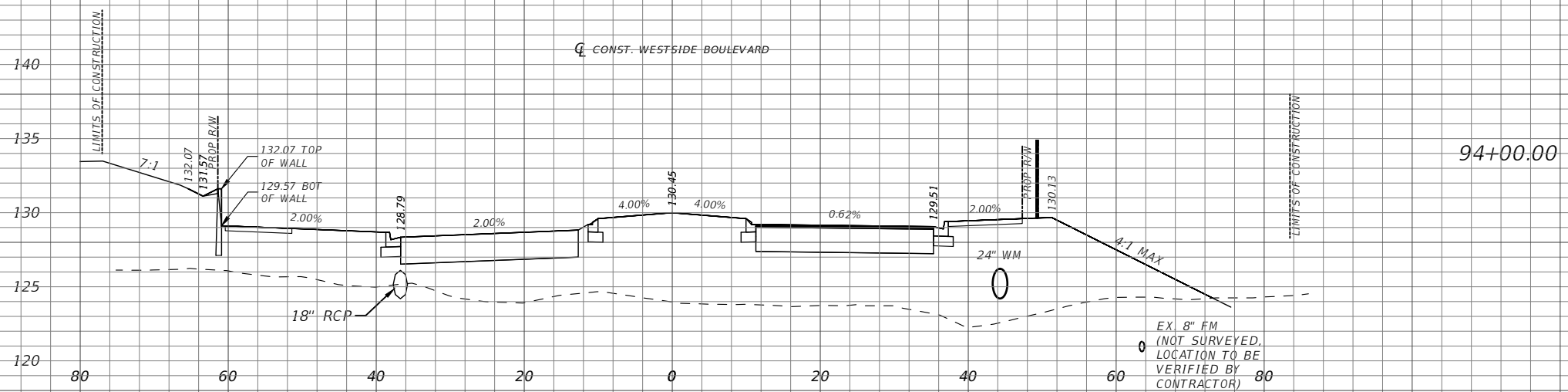
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CROSS SECTIONS

SHEET NO.
48



Scale: 1"=20' Horiz.
1"=10' Vert.

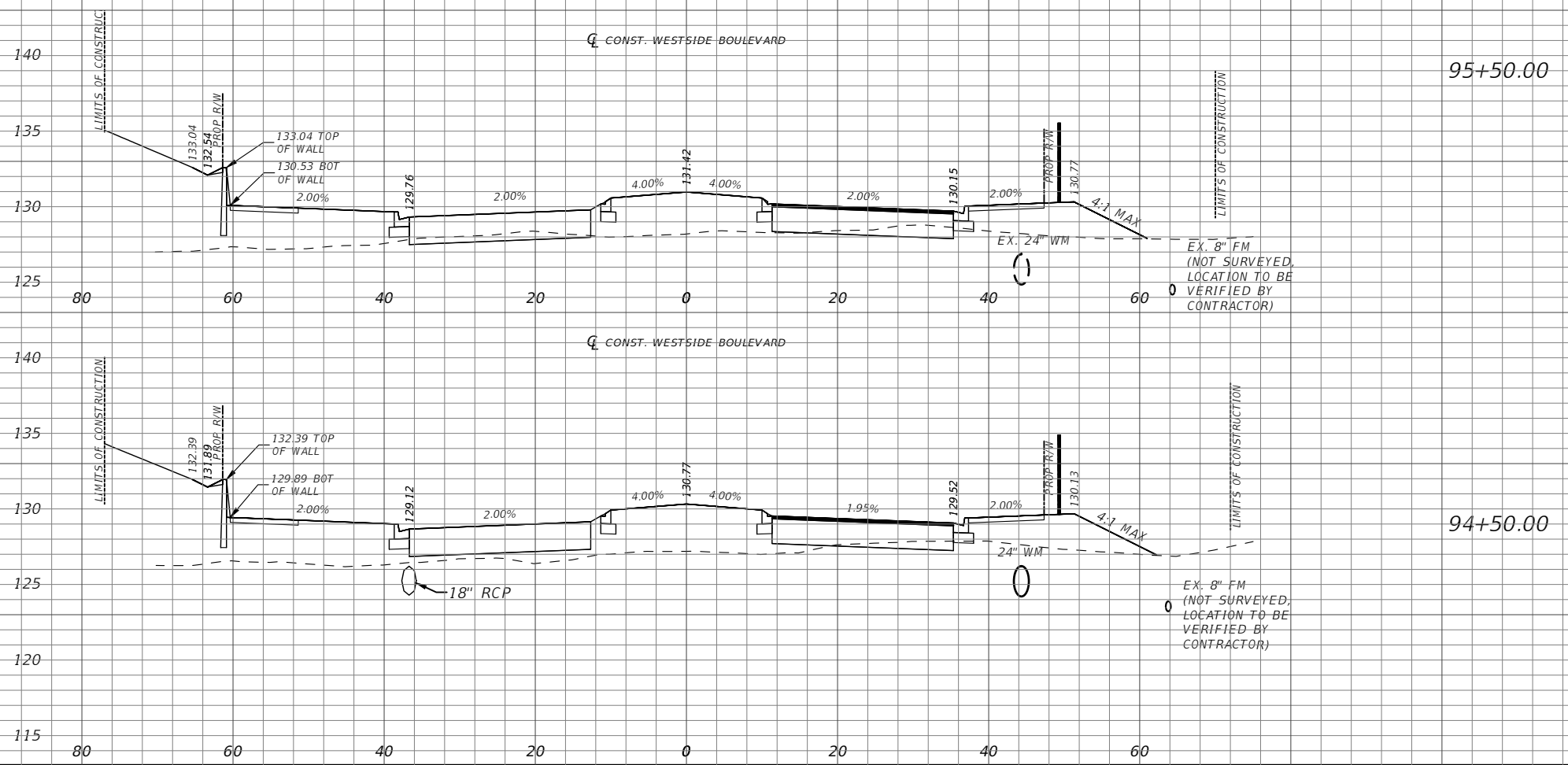
REVISIONS	
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CROSS SECTIONS

SHEET NO.
49



Scale: 1"=20' Horiz.
1"=10' Vert.

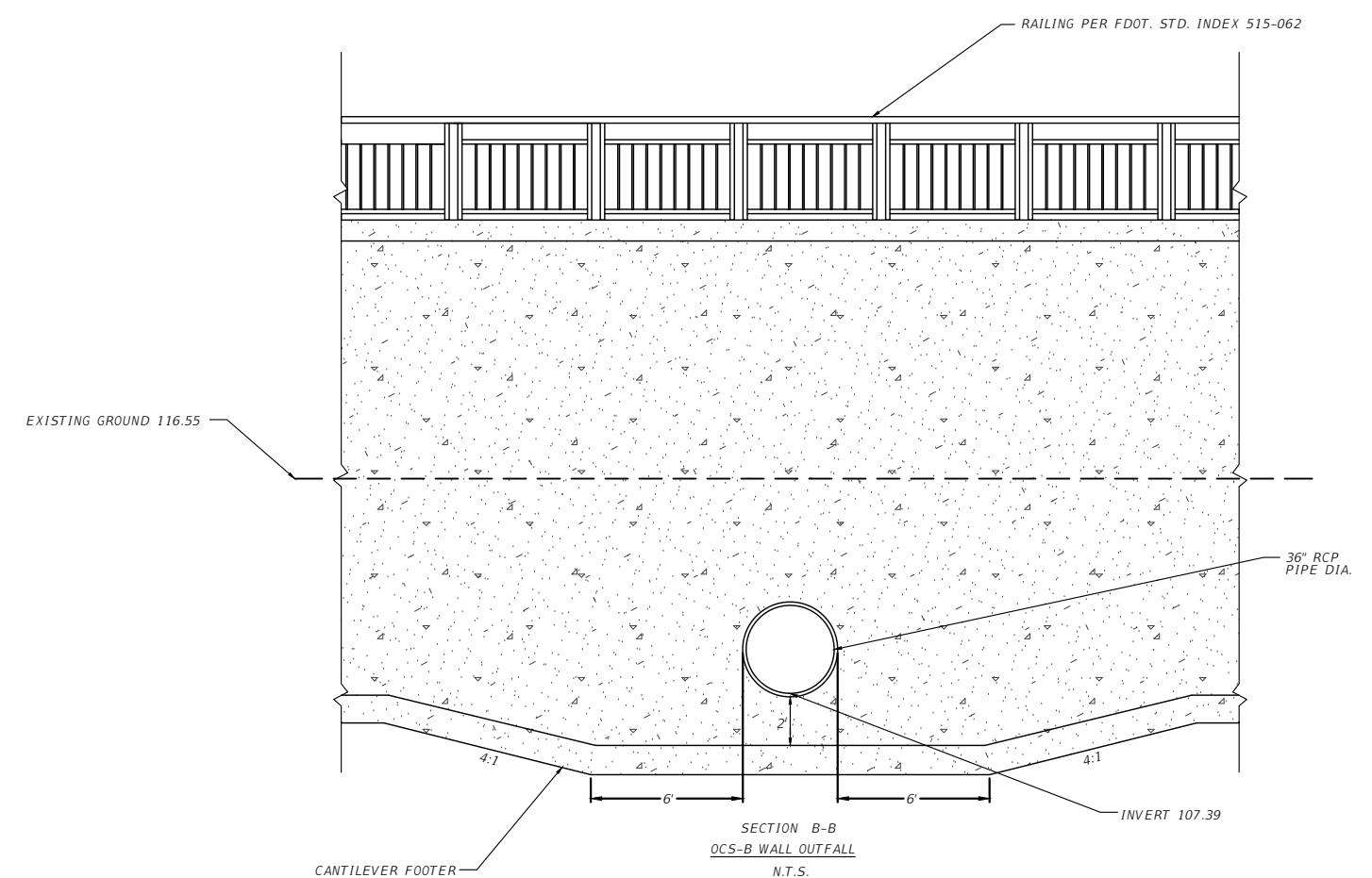
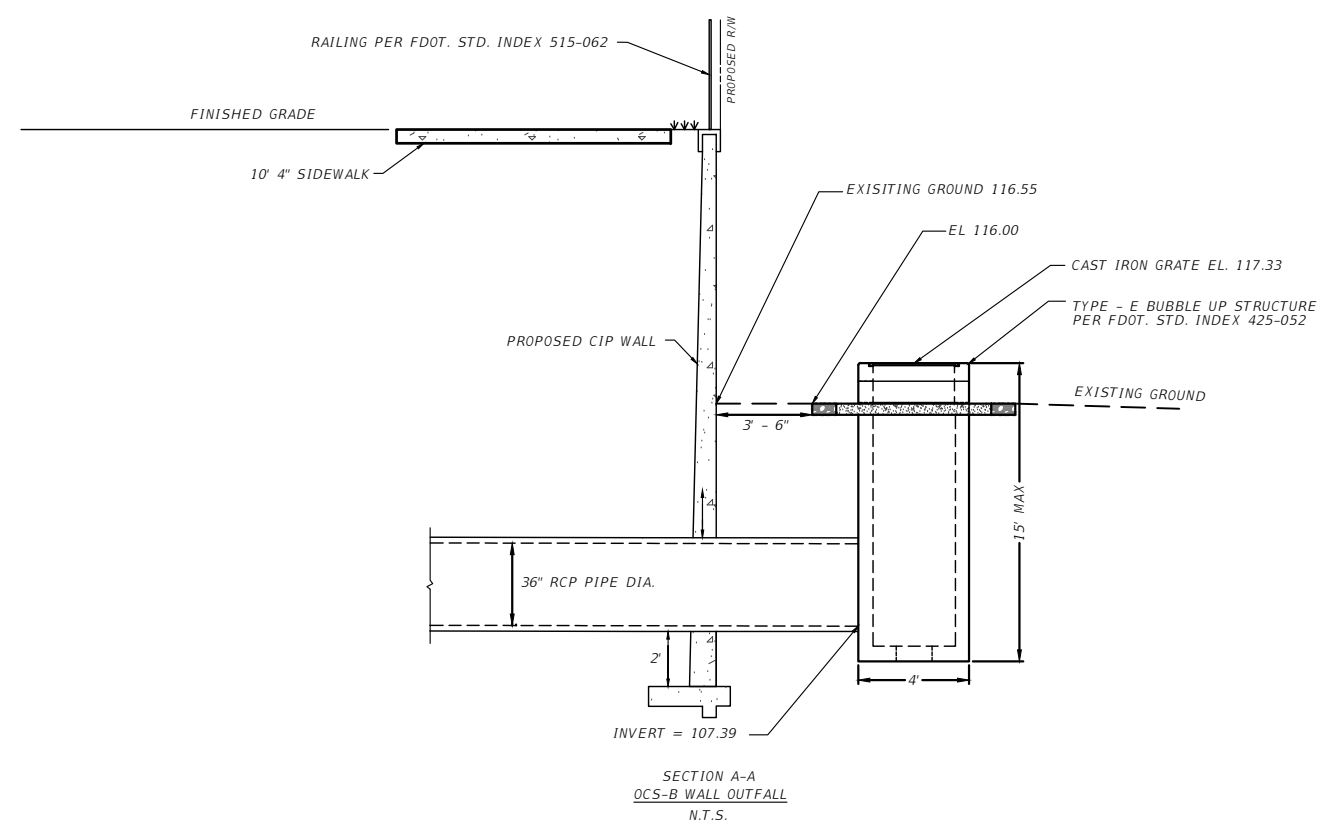
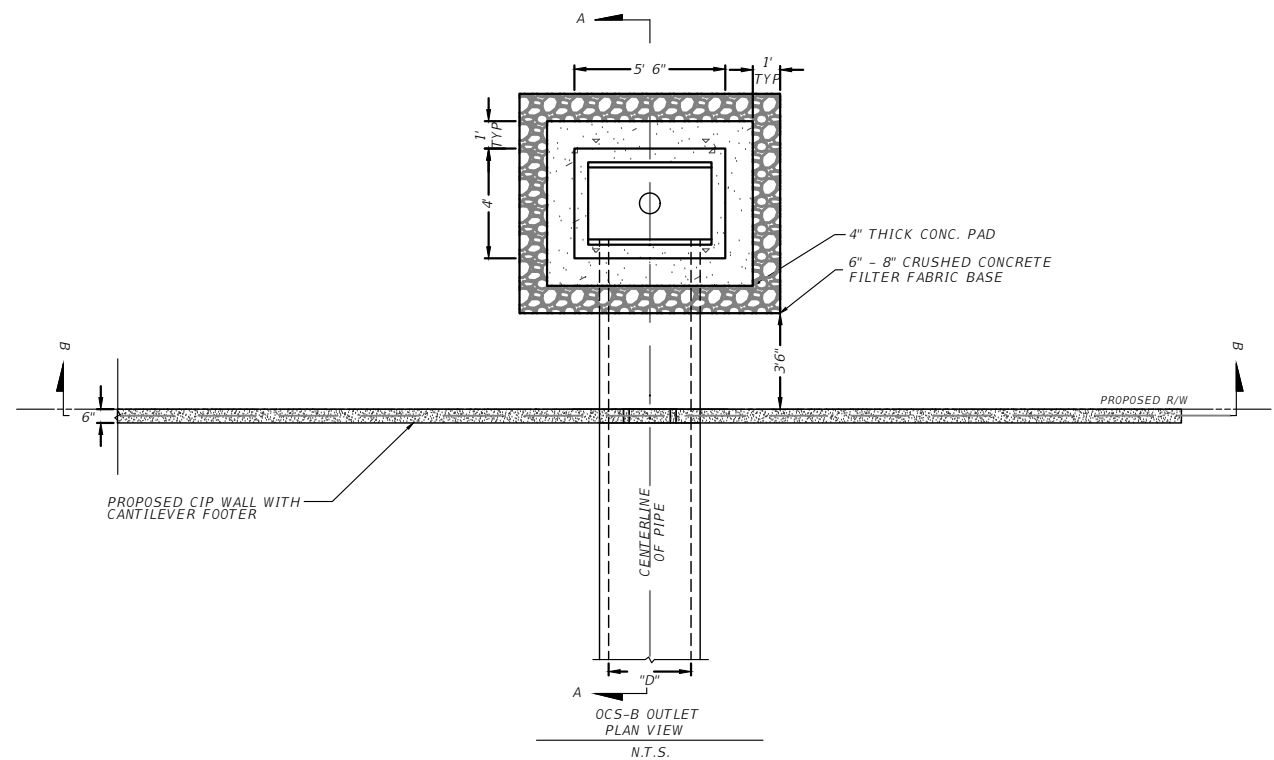
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CROSS SECTIONS

SHEET NO.
50



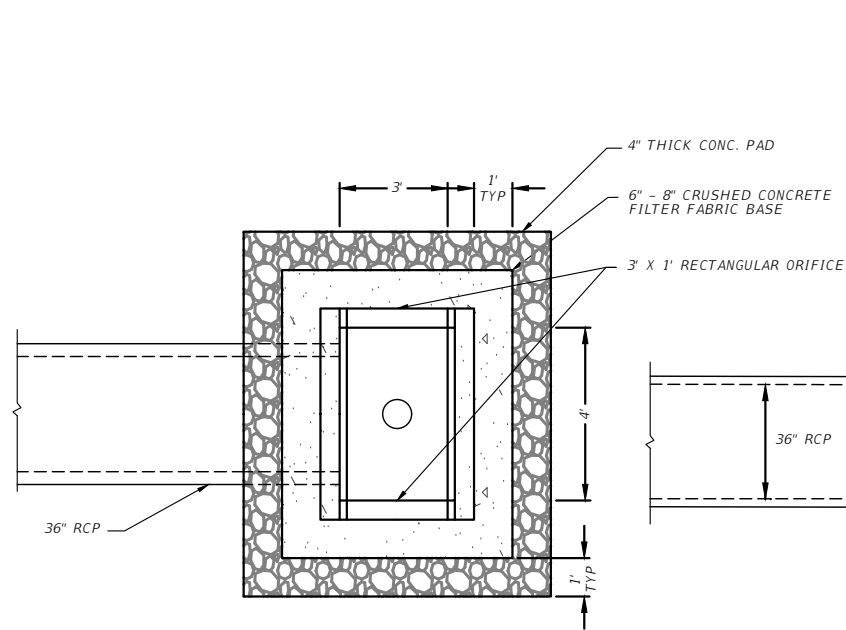
REVISIONS			
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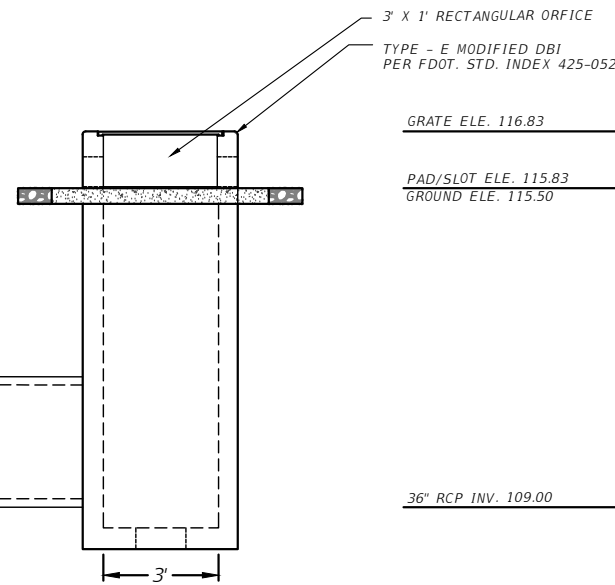
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT
DEPARTMENT

DRAINAGE DETAILS

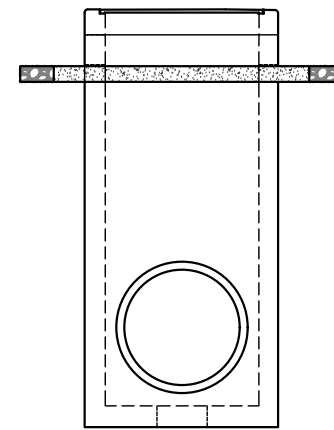
SHEET
NO.
51



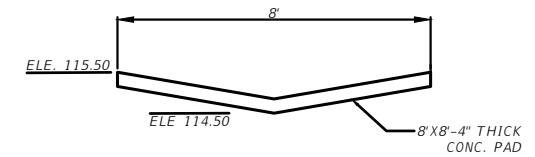
PLAN VIEW
N.T.S.



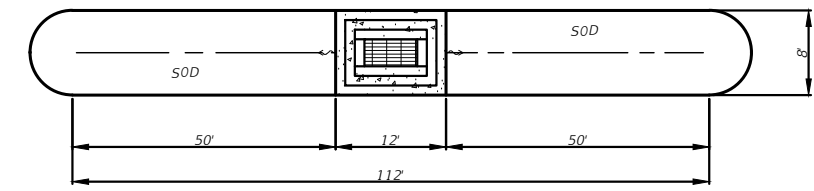
SIDE VIEW
N.T.S.



FRONT/REAR VIEW
N.T.S.

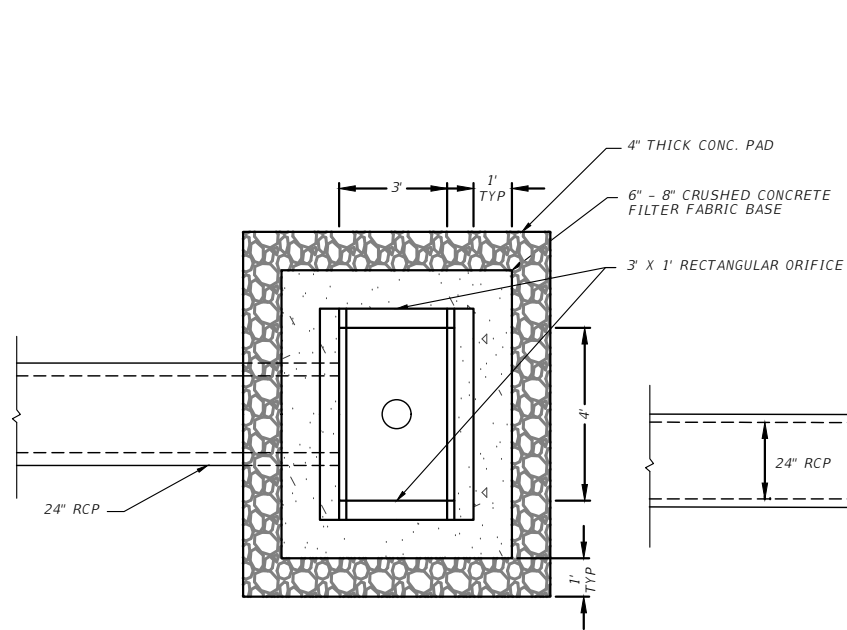


CD-2C SIDE VIEW
N.T.S.

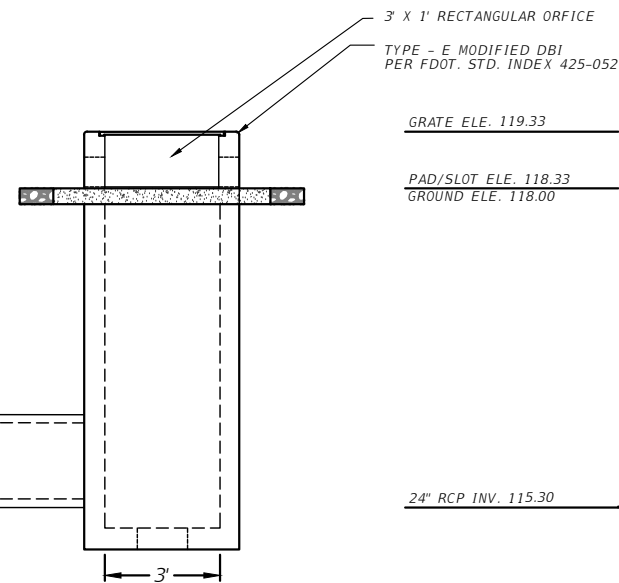


CD-3C PLAN VIEW
N.T.S.

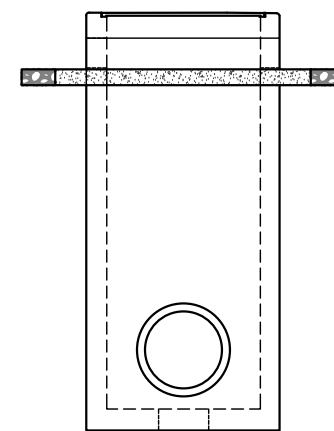
CD-2C BUBBLE-UP STRUCTURE MODIFIED TYPE E DBI W/ SPREADER SWALE
N.T.S.



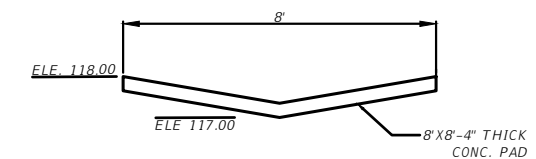
PLAN VIEW
N.T.S.



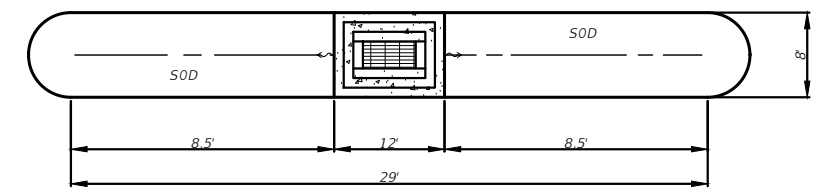
SIDE VIEW
N.T.S.



FRONT/REAR VIEW
N.T.S.



CD-3C SIDE VIEW
N.T.S.



CD-3C PLAN VIEW
N.T.S.

CD-3C BUBBLE-UP STRUCTURE MODIFIED TYPE E DBI W/ SPREADER SWALE
N.T.S.

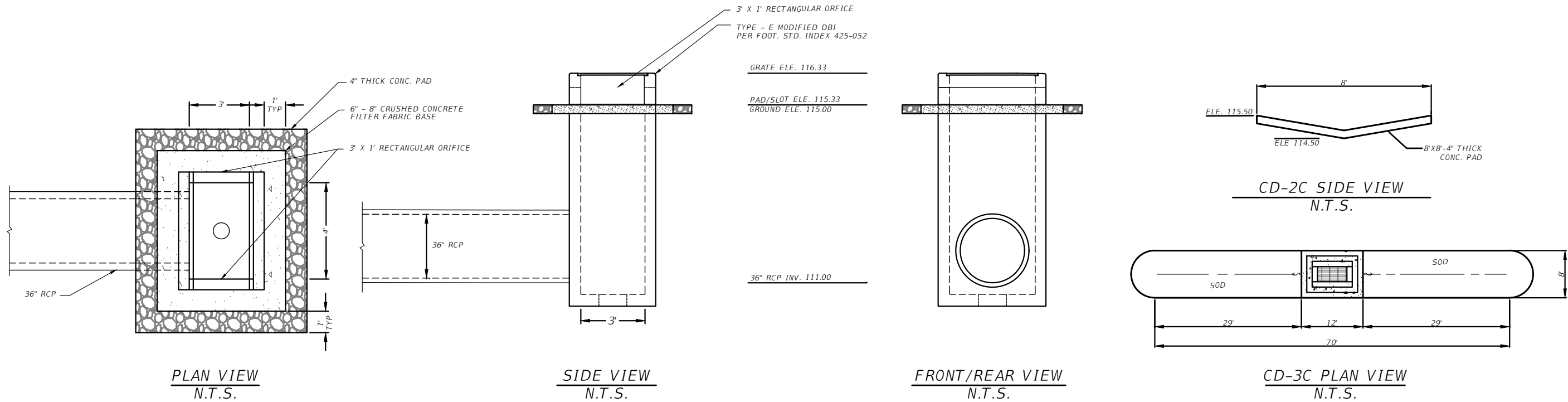
REVISIONS			
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HAMILTON ENGINEERING & SURVEYING, LLC
431 E. HORATIO AVE., SUITE 260
MAITLAND, FL 32751
(407) 362 - 5929 EXT 405

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT
DEPARTMENT

DRAINAGE DETAILS

SHEET
NO.
52



CD-4E BUBBLE-UP STRUCTURE MODIFIED TYPE E DBI W/ SPREADER SWALE
N.T.S.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID A. REID, P.E.
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OSCEOLA COUNTY
 TRANSPORTATION AND TRANSIT
 DEPARTMENT

DRAINAGE DETAILS
 SHEET NO.
53

GENERAL NOTES

1. ALL MAINTENANCE OF TRAFFIC OPERATIONS WITHIN THE RIGHT OF WAY SHALL CONFORM TO FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS, 2021-22, FDOT DESIGN MANUAL (JANUARY 2021), AND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2009).

WESTSIDE BOULEVARD TRAFFIC CONTROL PHASE NOTES

1. THE INTENT OF THESE PHASES ARE TO CONSTRUCT A ROAD ON AN ORPHANED SECTION BETWEEN WESTSIDE BLVD THAT IS TO BE COMPLETED BY MATTAMY HOMES TO THE NORTH AND LENNAR AND EGR TO THE SOUTH.

PHASE I

ROAD CLOSURE
INSTALL EROSION AND SEDIMENT CONTROL FEATURES

PHASE II



REMOVAL OF EXCESS ASPHALT ON EXISTING ROADWAY
CONSTRUCT MSE WALL AND GRADE PROPOSED ROADWAY

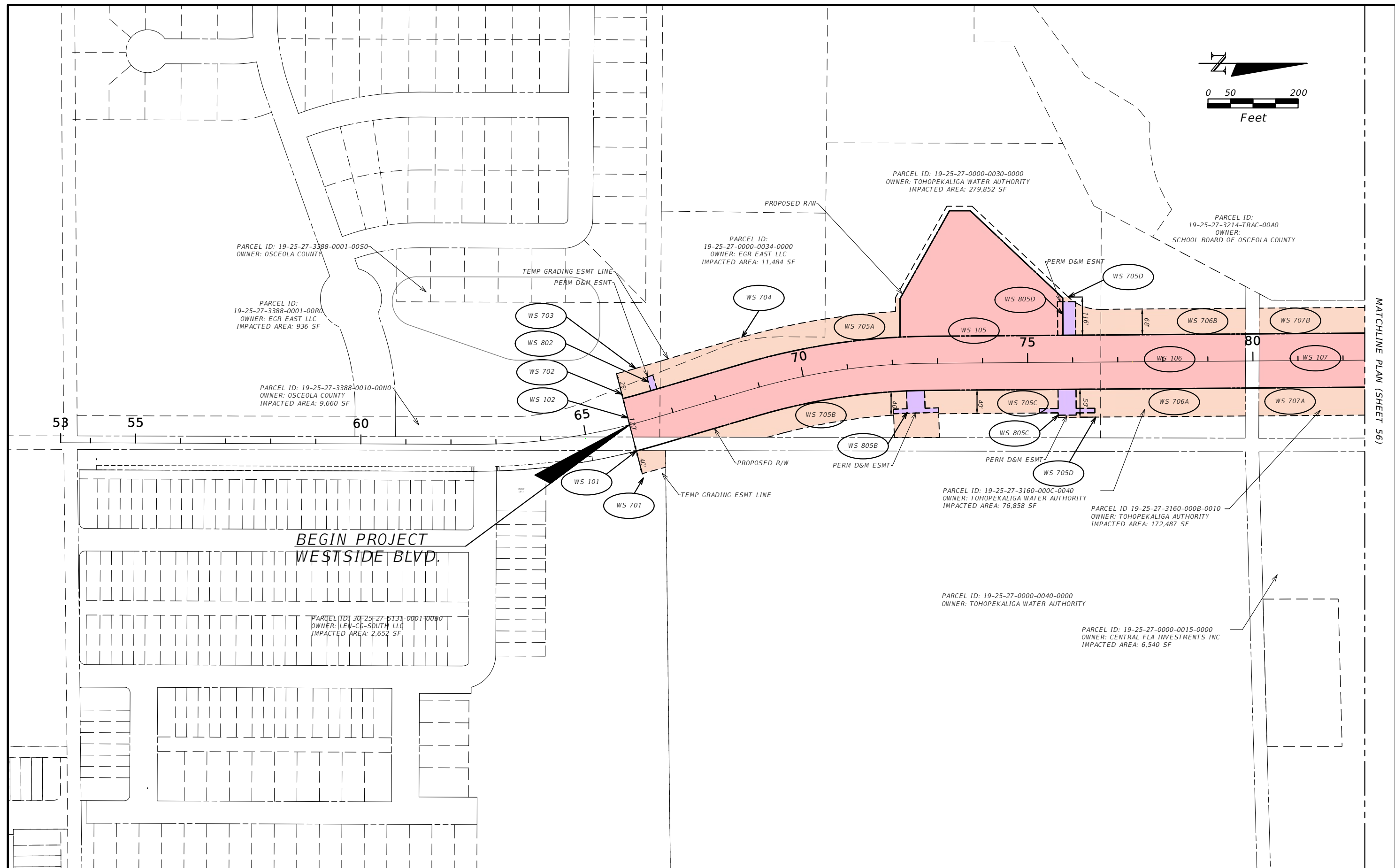
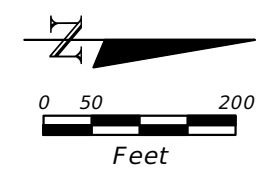
PHASE III

CONSTRUCT UTILITIES ALONG CORRIDOR

PHASE IV

CONSTRUCT ROADWAY
REMOVE EROSION AND SEDIMENT CONTROL FEATURES

REVISIONS				 DAVID A. REID, P.E. P.E. LICENSE NUMBER 38794 HAMILTON ENGINEERING & SURVEYING, LLC 431 E. HORATIO AVE., SUITE 260 ORLANDO, FL 32751 (407) 362-5929 EXT 405	 OSCEOLA COUNTY TRANSPORTATION AND TRANSIT DEPARTMENT	TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				54



MATCHLINE PLAN (SHEET 56)

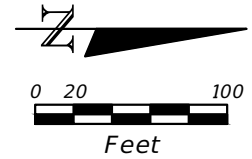
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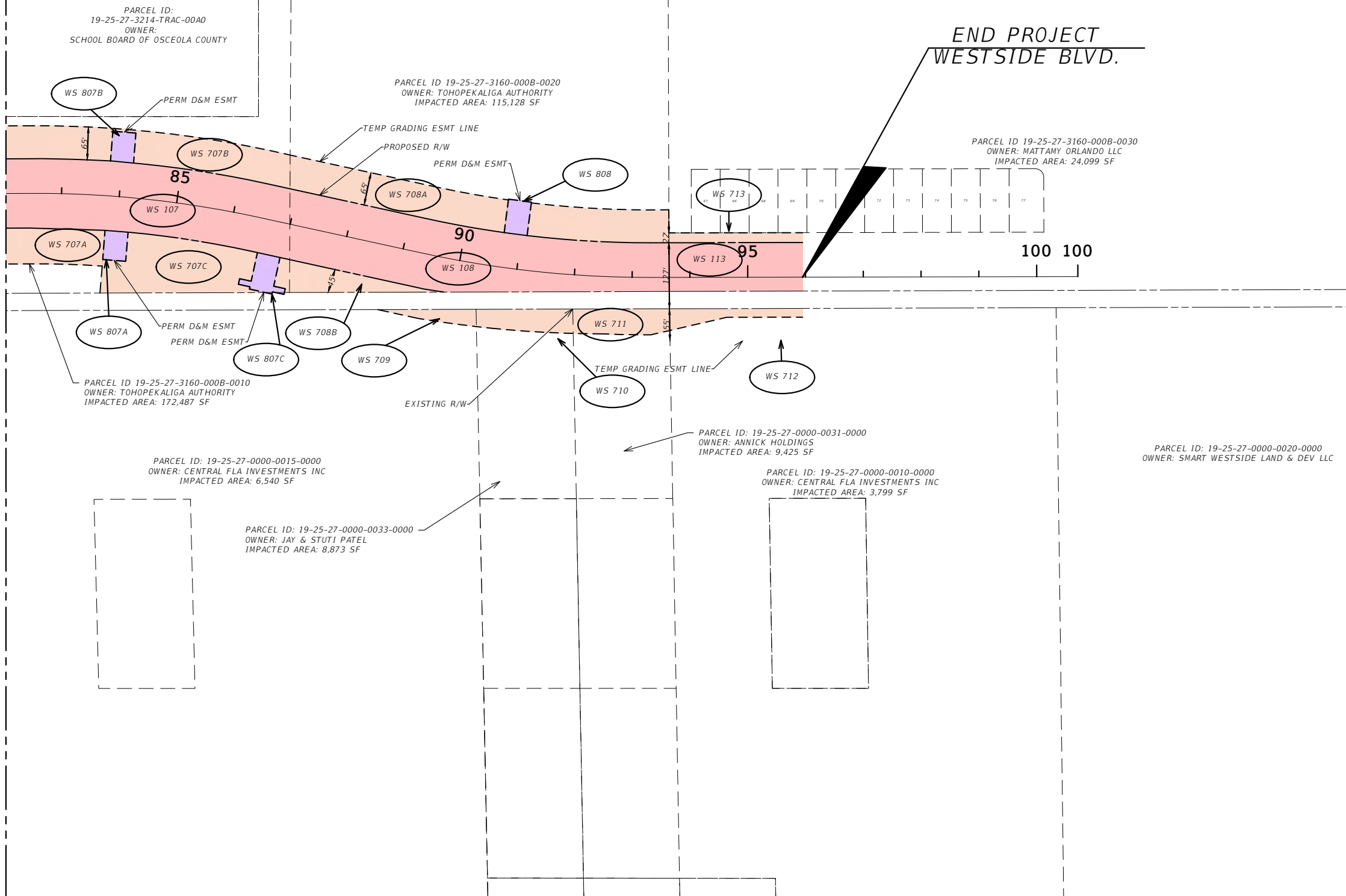
WESTSIDE BLVD. RIGHT OF WAY EXHIBIT (1)

SHEET NO.
55



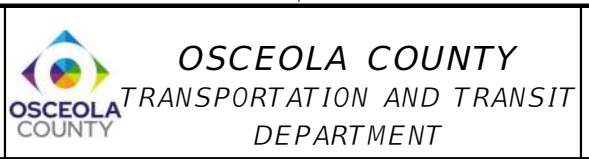
MATCHLINE PLAN (SHEET 55)

**END PROJECT
WESTSIDE BLVD.**



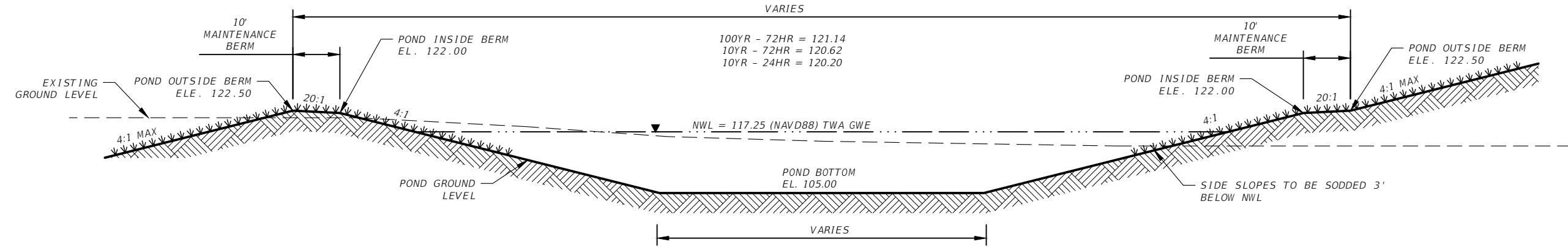
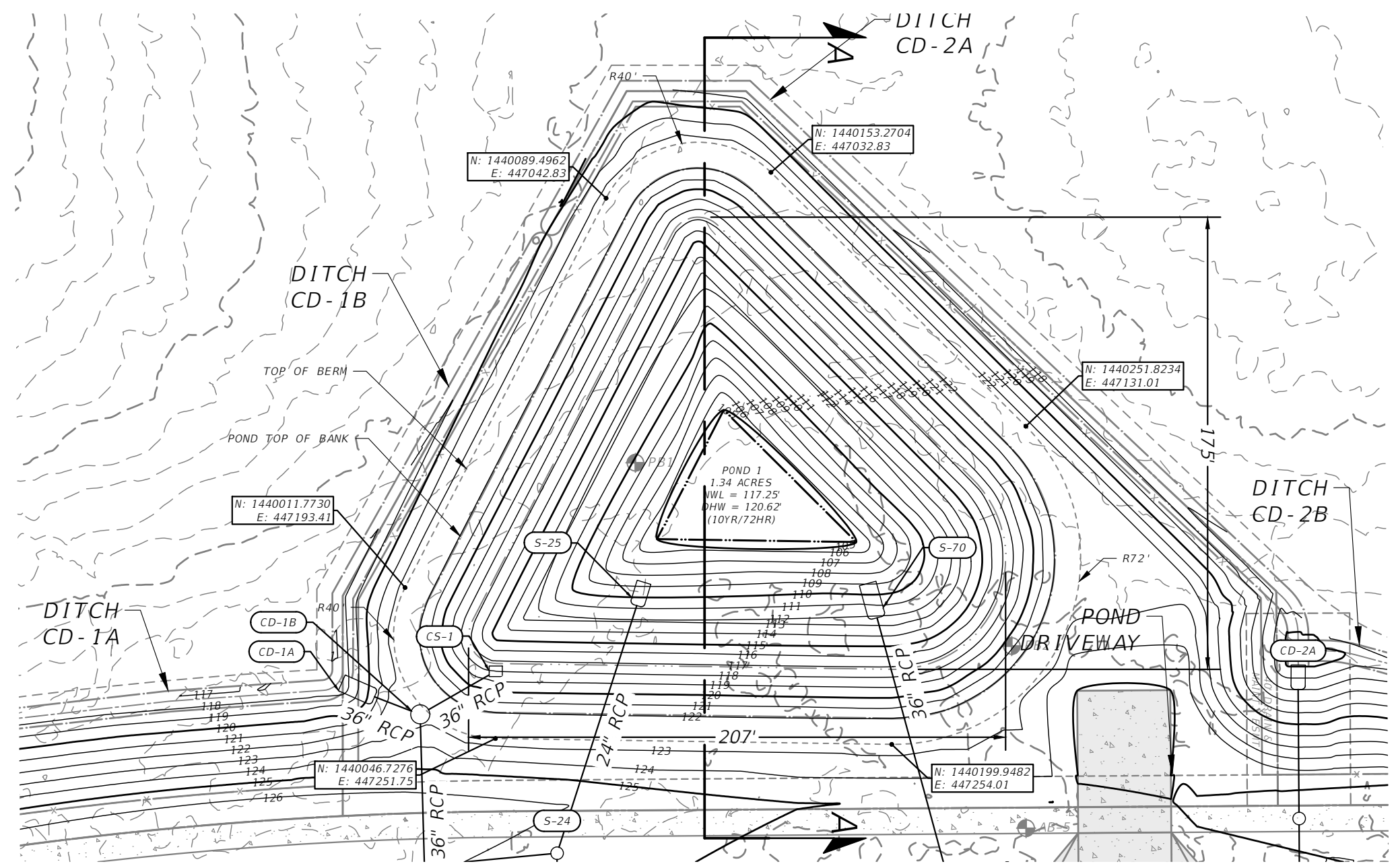
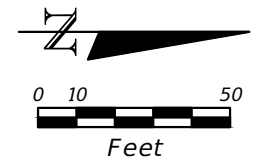
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**WESTSIDE BLVD. RIGHT
OF WAY EXHIBIT (2)**

SHEET
NO.
56



CROSS SECTION A-A
N.T.S.

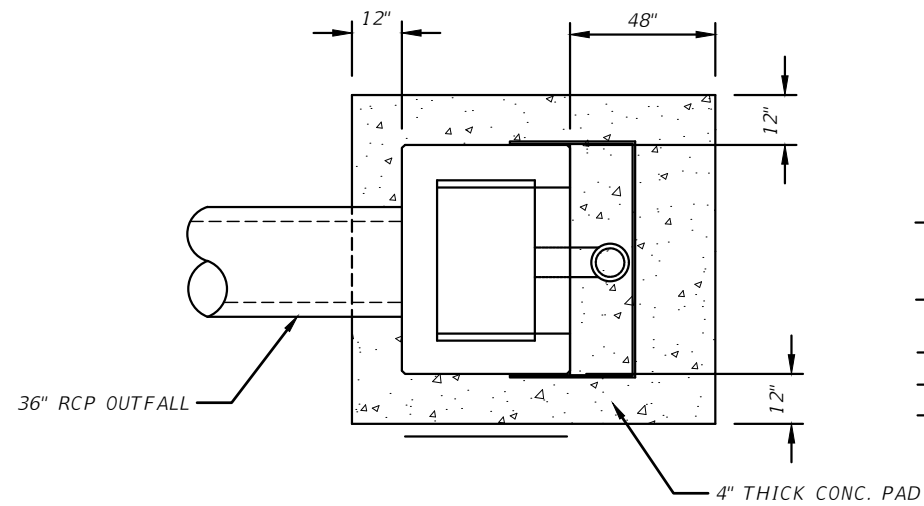
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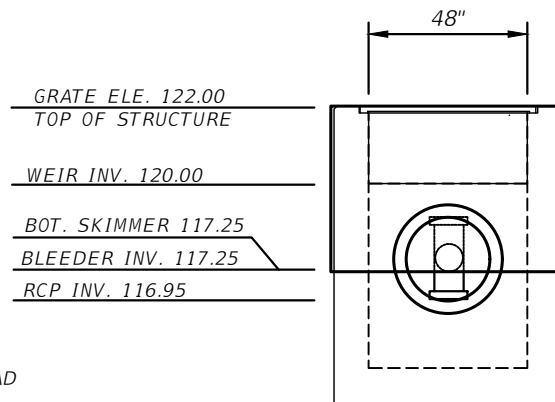
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT
DEPARTMENT

POND DETAIL (1)

SHEET
NO.
57

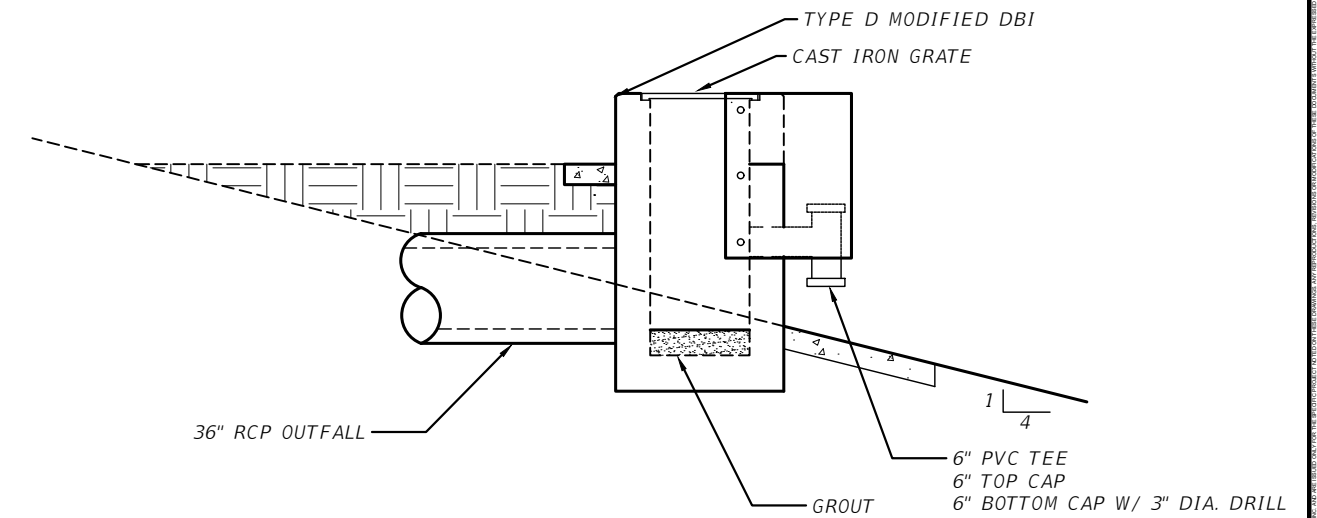


PLAN VIEW

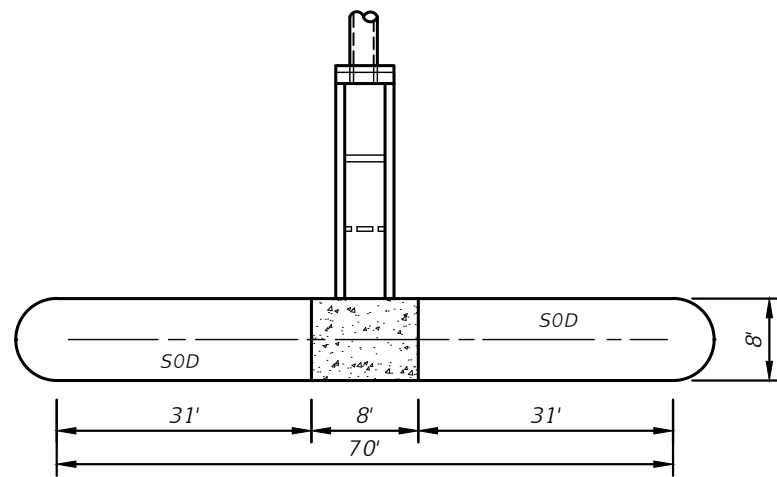


FRONT VIEW

CONTROL STRUCTURE CS-1 FDOT TYPE D MODIFIED DBI
N.T.S.

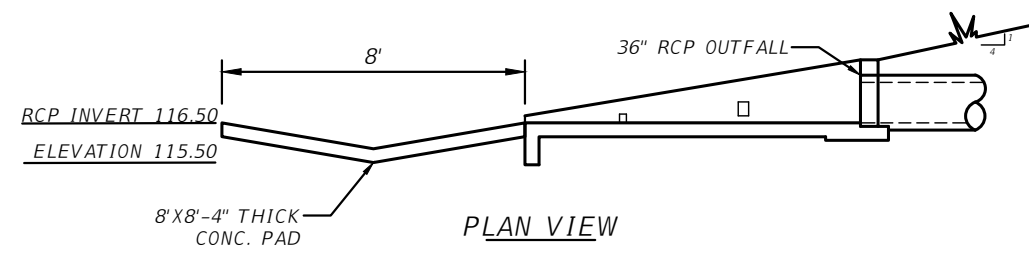


SIDE VIEW



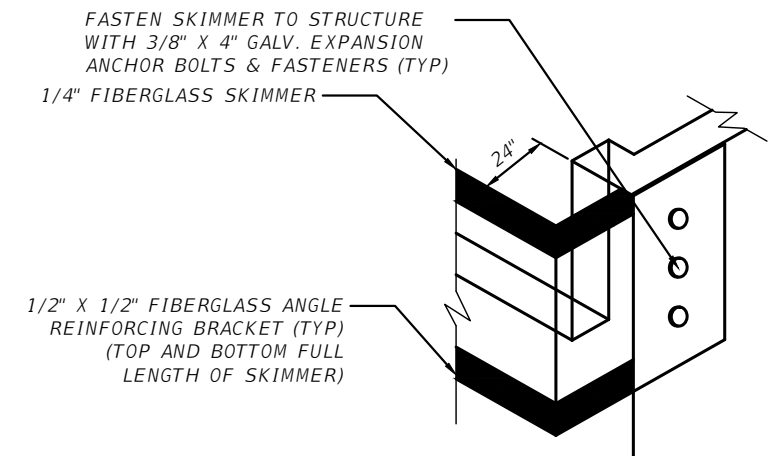
SIDE VIEW

CD-1C U-ENDWALL W/SPREADER SWALE
N.T.S.



PLAN VIEW

CD-1C U-ENDWALL W/SPREADER SWALE
N.T.S.



SKIMMER DETAIL

N.T.S.

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OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT
DEPARTMENT

POND DETAILS (2)

SHEET
NO.

58

1.0 SITE DESCRIPTION:

1.A. NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT INVOLVES THE CONSTRUCTION OF THE CONNECTION OF WESTSIDE BOULEVARD. THIS INVOLVES CONSTRUCTING ROADWAY SURFACE, CURB AND GUTTER, SIDEWALKS AND THE STORMWATER MANAGEMENT SYSTEM. THE PROJECT LIMITS ALONG WESTSIDE BOULEVARD ARE FROM STATION 66+00 OF WESTSIDE BOULEVARD TO STATION 96+00 OF WESTSIDE BOULEVARD A DISTANCE OF APPROXIMATELY 0.57 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: 9.71 ACRES
TOTAL AREA TO BE DISTURBED: 17.65 ACRES

1.B. RUNOFF DATA:

RUNOFF COEFFICIENTS:

BEFORE: 0.34
DURING: VARIES FROM 0.34 TO 0.63
AFTER: 0.63

1.A. SOILS DATA: THE RESULTS OF THE SOIL BORINGS ALONG THE PROJECT ARE SHOWN IN THE ROADWAY SOIL SURVEY SHEET(S). IN GENERAL, THE SOILS WELL-DRAINED FINE SAND.

1.B. OUTFALL INFORMATION:

THERE ARE 5 OUTFALLS.

#1 DESCRIPTION: POND 1 OUTFALL

LOCATION: LATITUDE 28° 17' 37.1" N, LONGITUDE -82° 38' 54.8" W
EST. DRAINAGE AREA SIZE: 9.71 ACRES
RECEIVING WATER NAME: WETLAND 1 POND DITCH BASIN ULTIMATELY TO REEDY CREEK DRAINAGE BASIN.

#2 DESCRIPTION: OFFSITE CROSS-DRAIN #1 - (SHARES OUTFALL WITH POND 1)

LOCATION: LATITUDE 28° 17' 37.1" N, LONGITUDE -82° 38' 54.8" W
EST. DRAINAGE AREA SIZE: 7.26 ACRES
RECEIVING WATER NAME: WETLAND 1 POND DITCH BASIN ULTIMATELY TO REEDY CREEK DRAINAGE BASIN.

#3 DESCRIPTION: OFFSITE CROSS-DRAIN #2

LOCATION: LATITUDE 28° 17' 40.4" N, LONGITUDE -82° 38' 54.8" W
EST. DRAINAGE AREA SIZE: 17.83 ACRES
RECEIVING WATER NAME: WETLAND 1 POND DITCH BASIN ULTIMATELY TO REEDY CREEK DRAINAGE BASIN.

#4 DESCRIPTION: OFFSITE CROSS-DRAIN #3

LOCATION: LATITUDE 28° 17' 48.4" N, LONGITUDE -82° 38' 54.9" W
EST. DRAINAGE AREA SIZE: 4.46 ACRES
RECEIVING WATER NAME: WETLAND 1 POND DITCH BASIN ULTIMATELY TO REEDY CREEK DRAINAGE BASIN.

#5 DESCRIPTION: OFFSITE CROSS-DRAIN #4

LOCATION: LATITUDE 28° 17' 50.9" N, LONGITUDE -82° 38' 54.4" W
EST. DRAINAGE AREA SIZE: 8.28 ACRES
RECEIVING WATER NAME: WETLAND 1 POND DITCH BASIN ULTIMATELY TO REEDY CREEK DRAINAGE BASIN.

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: THERE ARE A TOTAL OF 0.38 ACRES OF SURFACE WATER IMPACTS (0.13 PRIMARY WETLAND IMPACTS, 0.25 SECONDARY WETLAND IMPACTS) WITHIN THE PROJECT LIMITS.

* DISCHARGE POINTS TO SURFACE WATERS: THE SURFACE WATER IMPACTS ARE LOCATED IN THE FOLLOWING LOCATIONS: WESTSIDE BOULEVARD RT SIDES STA. 66+00 - 70+00 AND STA. 76+00 - 78+00. PLEASE REFER TO THE PLAN SHEETS.

1.A. RECEIVING WATERS:

SEE ITEM 1.D. FOR THE OUTFALL LOCATION AND RECEIVING WATER NAMES. THERE ARE A TOTAL OF 0.38 ACRES OF WETLAND IMPACTS WITHIN THE THE PROJECT LIMITS. THE WETLAND IMPACTS ARE LOCATED IN THE FOLLOWING LOCATIONS: WESTSIDE BOULEVARD RT SIDES STA. 66+00 - 70+00 AND STA. 76+00 - 78+00. PLEASE REFER TO THE PLAN SHEETS.

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 EST. 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.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 **OSCEOLA COUNTY**
TRANSPORTATION AND TRANSIT
DEPARTMENT

**STORM WATER
POLLUTION
PREVENTION PLAN**

SHEET
NO.
59

2.B STORMWATER MANAGEMENT:

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

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.

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:

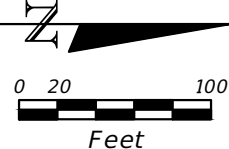
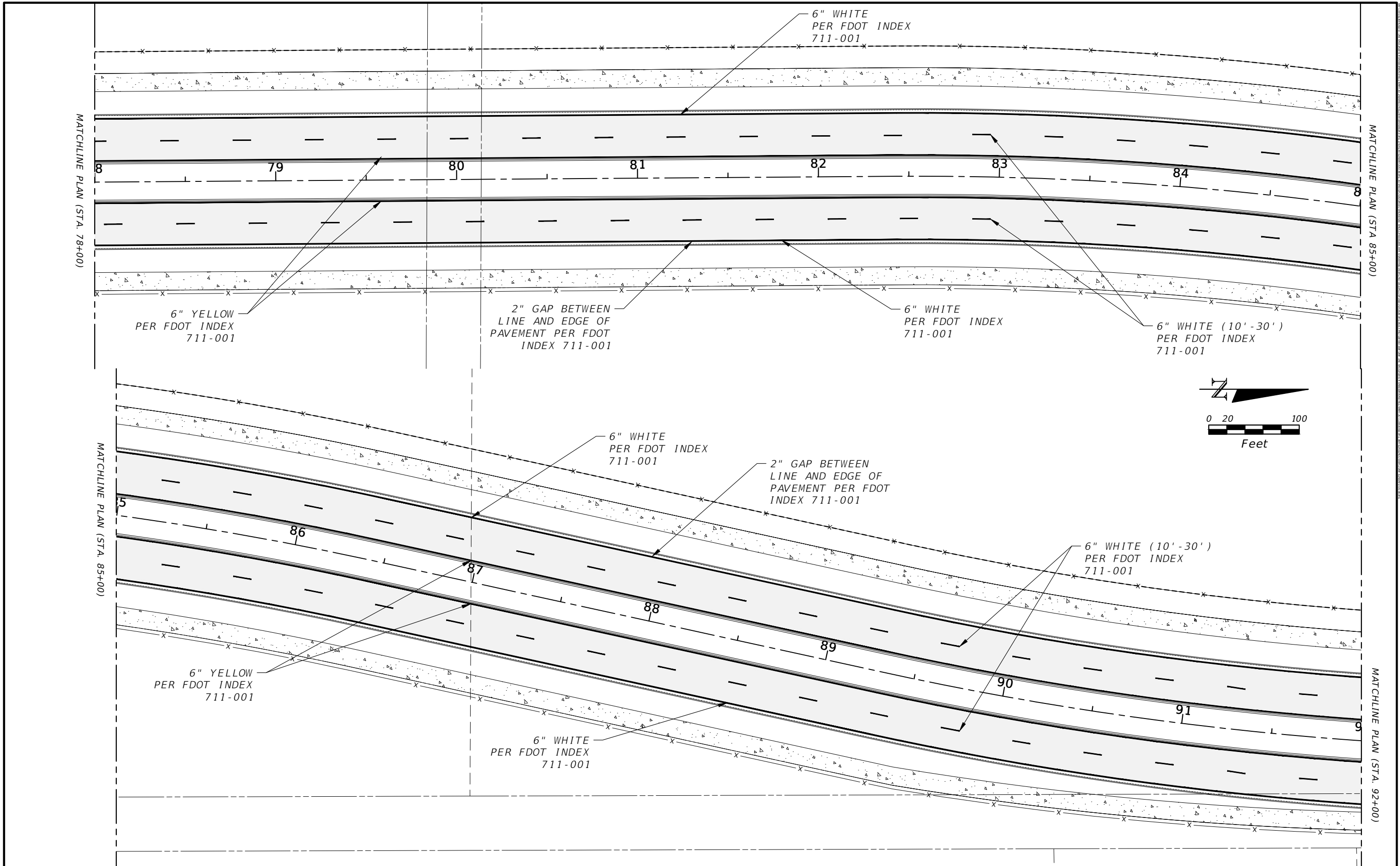
QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. TO COMPLY, INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, CONDUCT INSPECTION 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.

REVISIONS				 DAVID A. REID, P.E. P.E. LICENSE NUMBER 38794 HAMILTON ENGINEERING & SURVEYING, LLC 431 E. HORATIO AVE., SUITE 260 MAITLAND, FL 32751 (407) 362 - 5929 EXT 405	 OSCEOLA COUNTY TRANSPORTATION AND TRANSIT DEPARTMENT	STORM WATER POLLUTION PREVENTION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				60



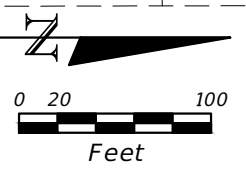
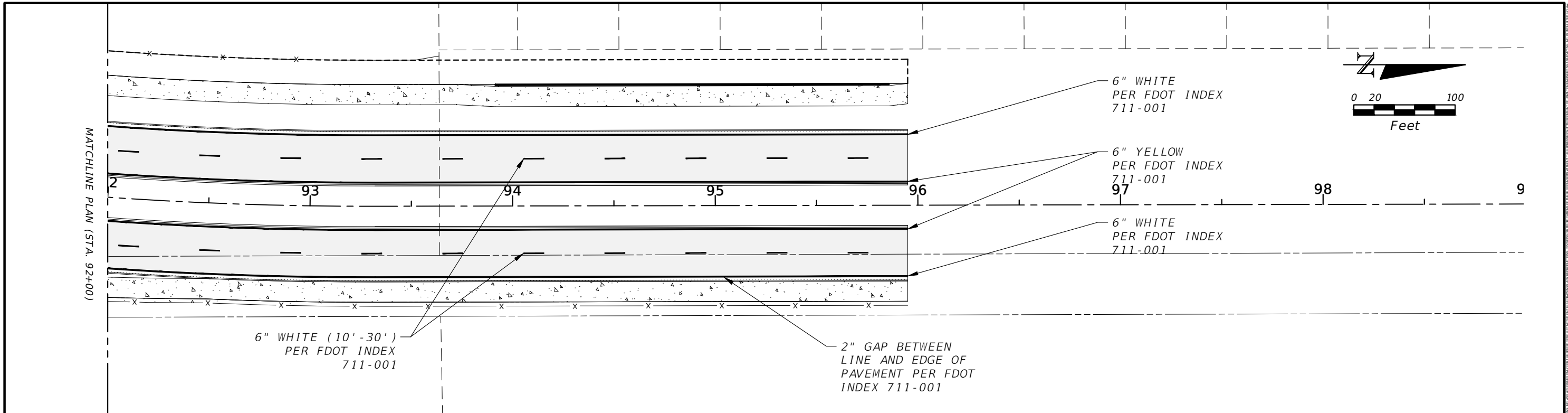
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SIGNING AND PAVEMENT MARKING
 (2)

SHEET NO.
 62



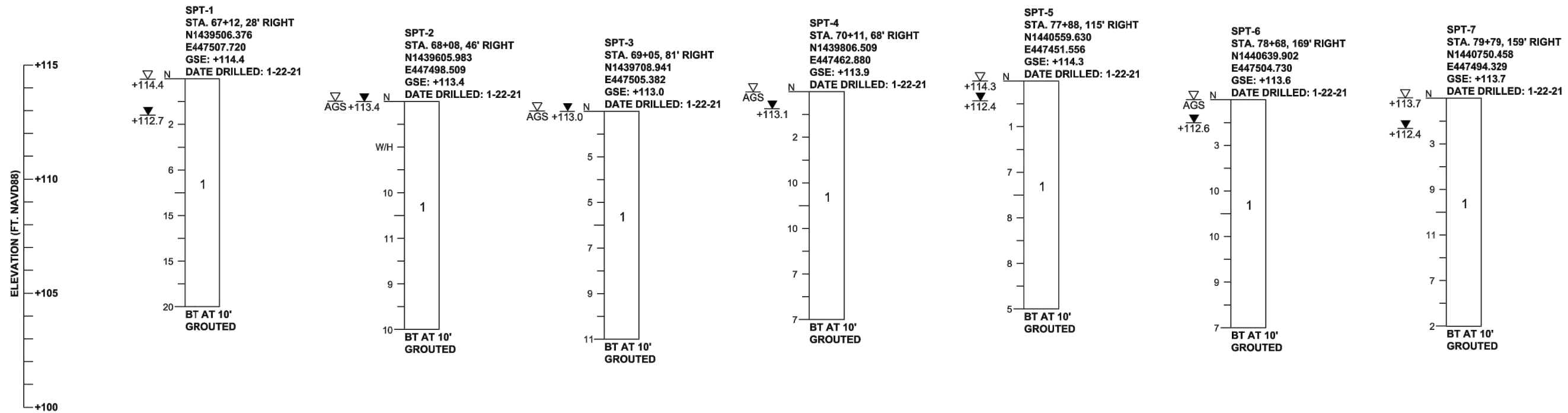
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**SIGNING AND
 PAVEMENT MARKING**
 (3)

SHEET
 NO.
63



LEGEND

- GSE GROUND SURFACE ELEVATION (FT. NAVD88)
- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- W/H WEIGHT OF HAMMER
- 1 STRATUM NUMBER
- AGS ESTIMATED SEASONAL HIGH WATER LEVEL ABOVE GROUND SURFACE
- +113.7 ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
- +112.4 ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88)
- BT BORING TERMINATED AT DEPTH INDICATED

GENERAL NOTES

- SUBSURFACE CONDITIONS SHOWN ON THE BORINGS REPRESENT THE CONDITIONS ENCOUNTERED AT THE BORING AND SOUNDING 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 BLOWS PER FOOT UNLESS OTHERWISE NOTED.
- BORING LOCATIONS WERE SURVEYED BY DRMP, INC. FOR HORIZONTAL AND VERTICAL CONTROL. BORING LOCATIONS WERE ESTABLISHED IN THE FIELD USING PROJECT PLANS AND A SUB-METER ACCURACY GPS UNIT (TRIMBLE 7X).
- SPLIT SPOON SAMPLER:
INSIDE DIAMETER: 1.375 IN.
OUTSIDE DIAMETER: 2.0 IN.
AVERAGE HAMMER DROP: 30 IN.
HAMMER WEIGHT: 140 LBS.

STRATUM NO.	AASHTO CLASSIFICATION	SOIL DESCRIPTION
1	A-3	LIGHT BROWN TO DARK BROWN TO GRAY TO DARK GRAY FINE SAND TO FINE SAND WITH SILT, OCCASIONAL TRACE ORGANIC MATERIAL
2	A-2-4	DARK BROWN SILTY FINE SAND
3	A-8	DARK BROWN SANDY MUCK

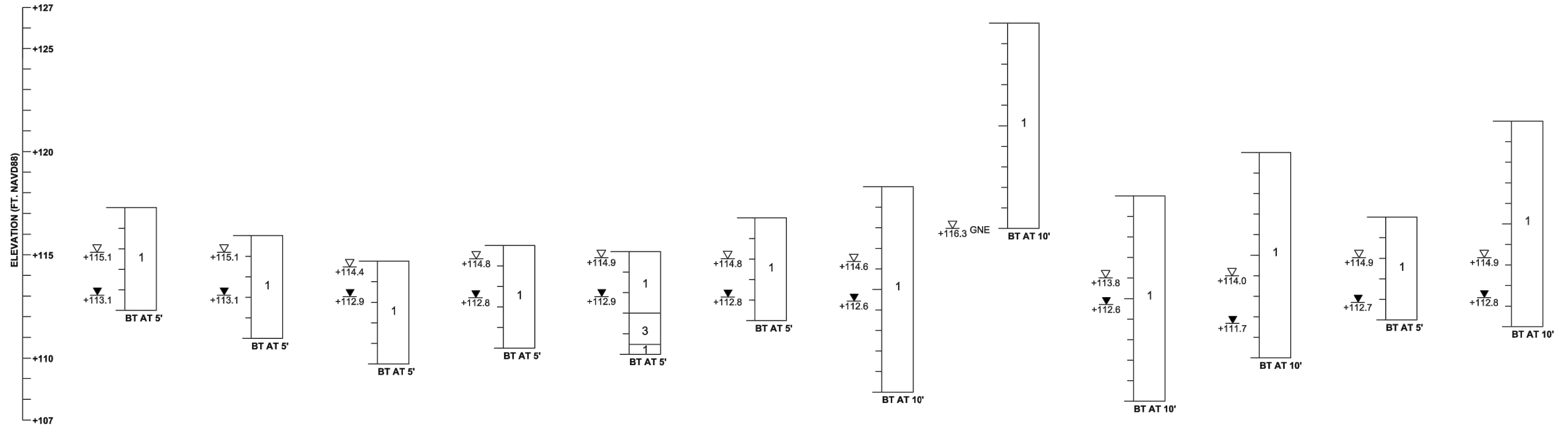
CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR SOILS	AUTOMATIC HAMMER	RELATIVE DENSITY	NON-GRANULAR SOILS	AUTOMATIC HAMMER	CONSISTENCY
	N VALUE (blows per foot)			N VALUE (blows per foot)	
SANDS	0-3	VERY LOOSE	SILTS, CLAYS, MUCK, PEAT	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	

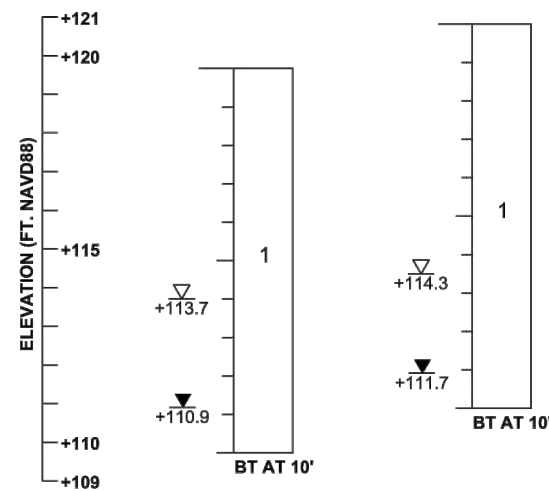
FIGURE 4

REVISIONS				GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 2510 Michigan Avenue, Suite D Kissimmee, FL 34744-1933 T 407-483-1212 F 407-932-2912 CRAIG G. BALLOCK, P.E. NO. 71571	 OSCEOLA COUNTY ENGINEERING DEPARTMENT 1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623	ROADWAY SOIL SURVEY	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				64

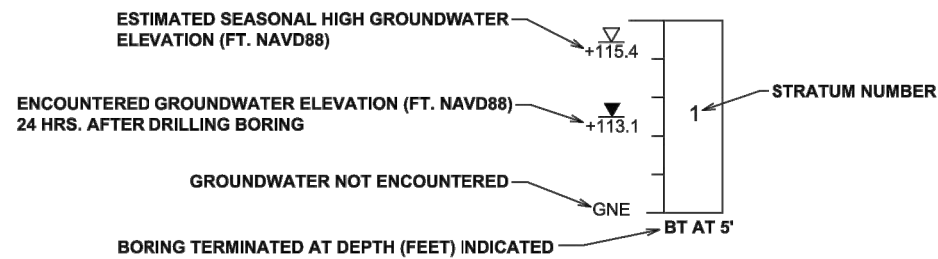
BORING NO.	AB-1	AB-2	AB-3	AB-4	AB-5	AB-6	AB-7	AB-8	AB-9	AB-10	AB-11	AB-12
STATION	66+91	68+86	70+92	72+90	74+82	76+83	78+84	80+79	82+78	84+75	86+67	88+71
OFFSET	45' LEFT	19' LEFT	39' LEFT	30' LEFT	52' LEFT	69' LEFT	22' LEFT	61' LEFT	12' LEFT	66' LEFT	14' LEFT	64' LEFT
NORTHING	1439469.202	1439662.141	1439856.721	1440058.333	1440251.896	1440452.793	1440654.194	1440849.546	1441048.596	1441253.796	1441437.043	1441647.042
EASTING	447441.193	447414.678	447338.926	447314.623	447286.413	447267.887	447313.100	447273.169	447320.651	447280.646	447367.939	447366.570
GSE	+117.3	+115.9	+114.7	+115.4	+115.1	+116.7	+118.2	+126.3	+117.8	+120.0	+116.9	+121.4
DATE DRILLED	1-22-21	1-16-21	1-22-21	1-16-21	1-22-21	1-22-21	1-22-21	1-16-21	1-16-21	1-16-21	1-16-21	1-16-21



BORING NO.	AB-13	AB-14
STATION	90+73	92+69
OFFSET	7' LEFT	13' LEFT
NORTHING	1441830.763	1442025.353
EASTING	447463.289	447475.561
GSE	+119.7	+120.8
DATE DRILLED	1-16-21	1-16-21



BORING LEGEND



GENERAL NOTES

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

BORING LOCATIONS WERE SURVEYED BY DRMP, INC. FOR VERTICAL AND HORIZONTAL CONTROL. BORING LOCATIONS WERE ESTABLISHED IN THE FIELD USING A SUB-METER ACCURACY GPS UNIT (TRIMBLE 7X).

STRATUM NO.	AASHTO CLASSIFICATION	SOIL DESCRIPTION
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2	A-2-4	DARK BROWN SILTY FINE SAND
3	A-8	DARK BROWN SANDY MUCK

FIGURE 5

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 2510 Michigan Avenue, Suite D
 Kissimmee, FL 34744-1933
 T 407-483-1212 F 407-932-2912
CRAIG G. BALLOCK, P.E. NO. 71571

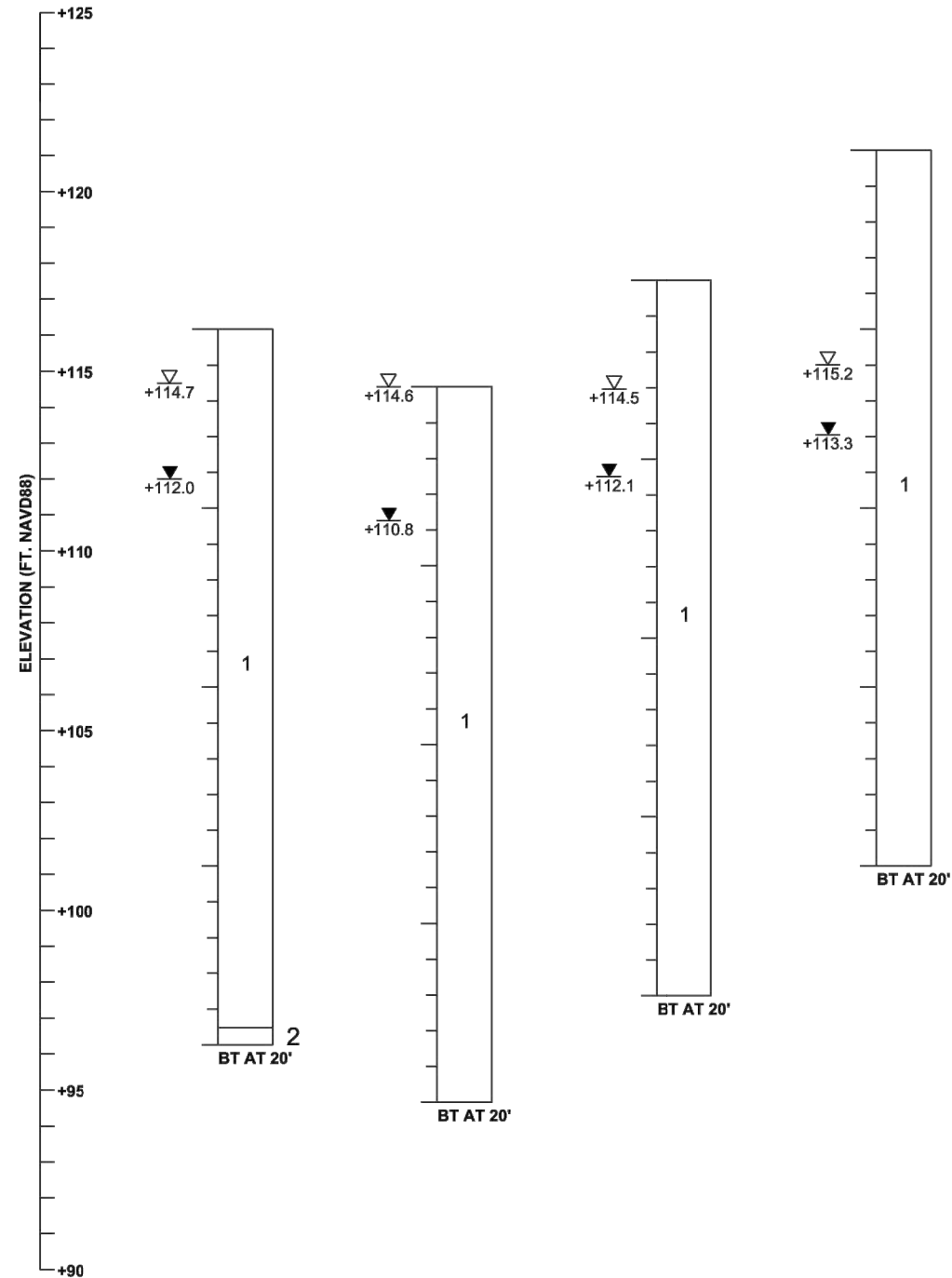


OSCEOLA COUNTY ENGINEERING DEPARTMENT
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

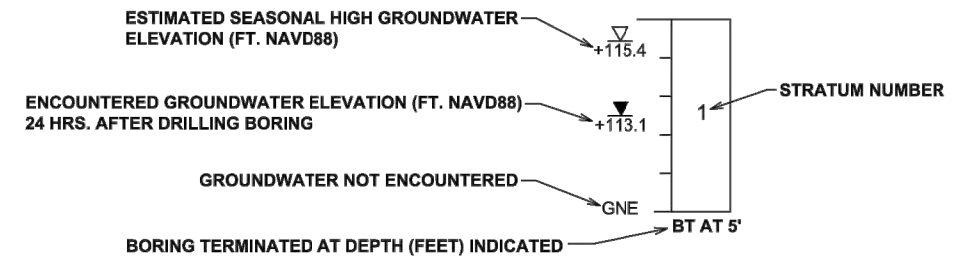
ROADWAY SOIL SURVEY

SHEET NO.
65

BORING NO.	POND 1		FLOOD PLAIN COMPENSATION AREA	
	PB-1	PB-2	PB-3	PB-4
STATION	73+41	74+77	80+60	82+41
OFFSET	196' LEFT	123' LEFT	113.1' RIGHT	161' RIGHT
NORTHING	1440100.847	1440246.380	1440831.175	1441013.309
EASTING	447145.131	447216.000	447447.294	447493.823
GSE	+116.2	+114.6	+117.5	+121.2
DATE DRILLED	2-18-21	2-18-21	2-18-21	2-18-21



BORING LEGEND



GENERAL NOTES

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

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FIGURE 6

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

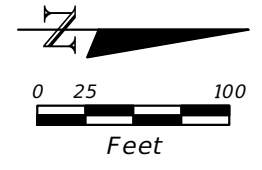
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 2510 Michigan Avenue, Suite D
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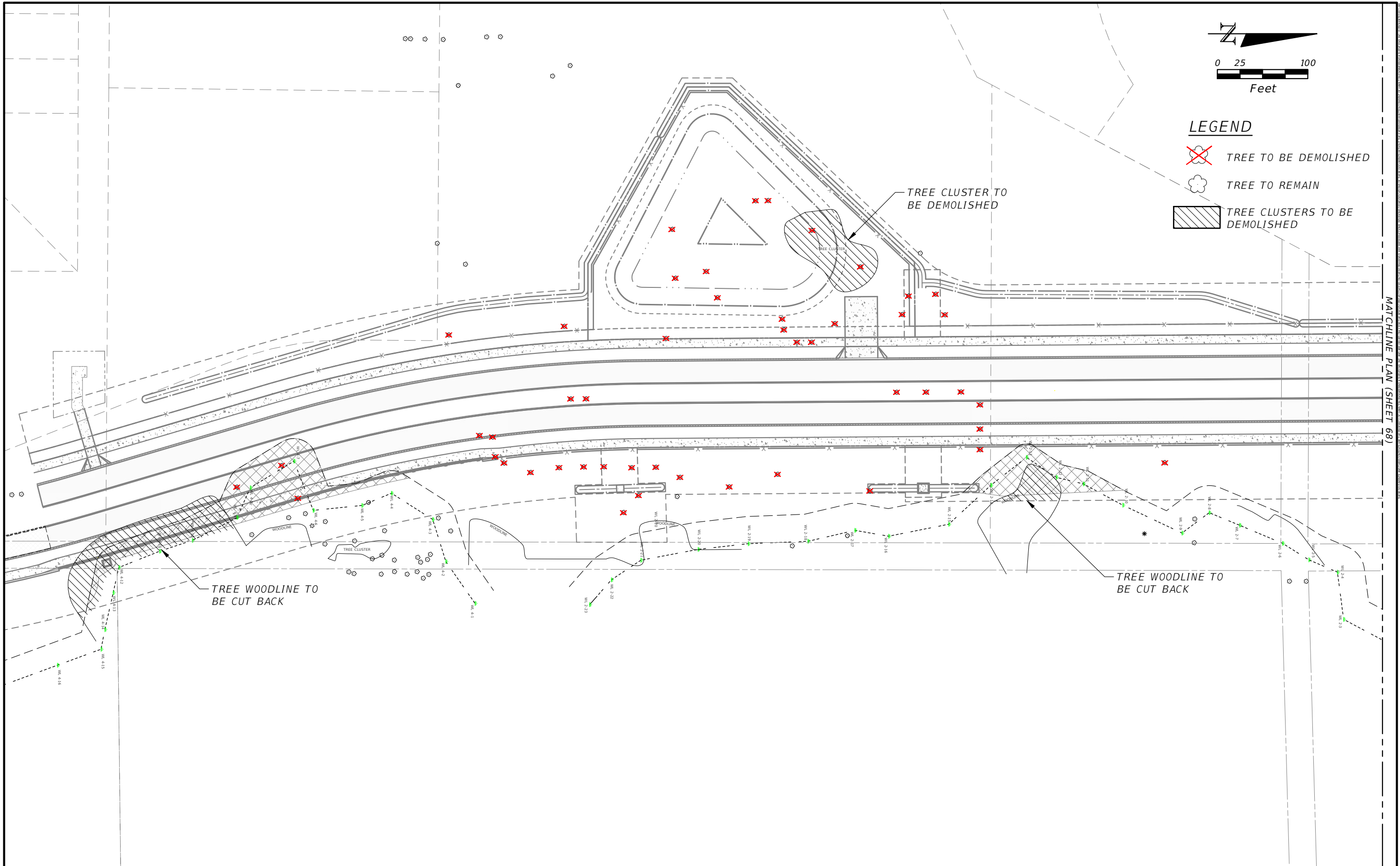
ROADWAY SOIL SURVEY

SHEET NO.
66



LEGEND

- TREE TO BE DEMOLISHED
- TREE TO REMAIN
- TREE CLUSTERS TO BE DEMOLISHED



MATCHLINE PLAN (SHEET 68)

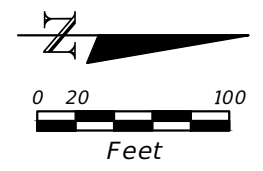
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID A. REID, P.E.
 P.E. LICENSE NUMBER 38794
 HAMILTON ENGINEERING & SURVEYING, LLC
 431 E. HORATIO AVE., SUITE 260
 ORLANDO, FL 32751
 (407) 362-5929 EXT 405



TREE DEPOSITION PLAN

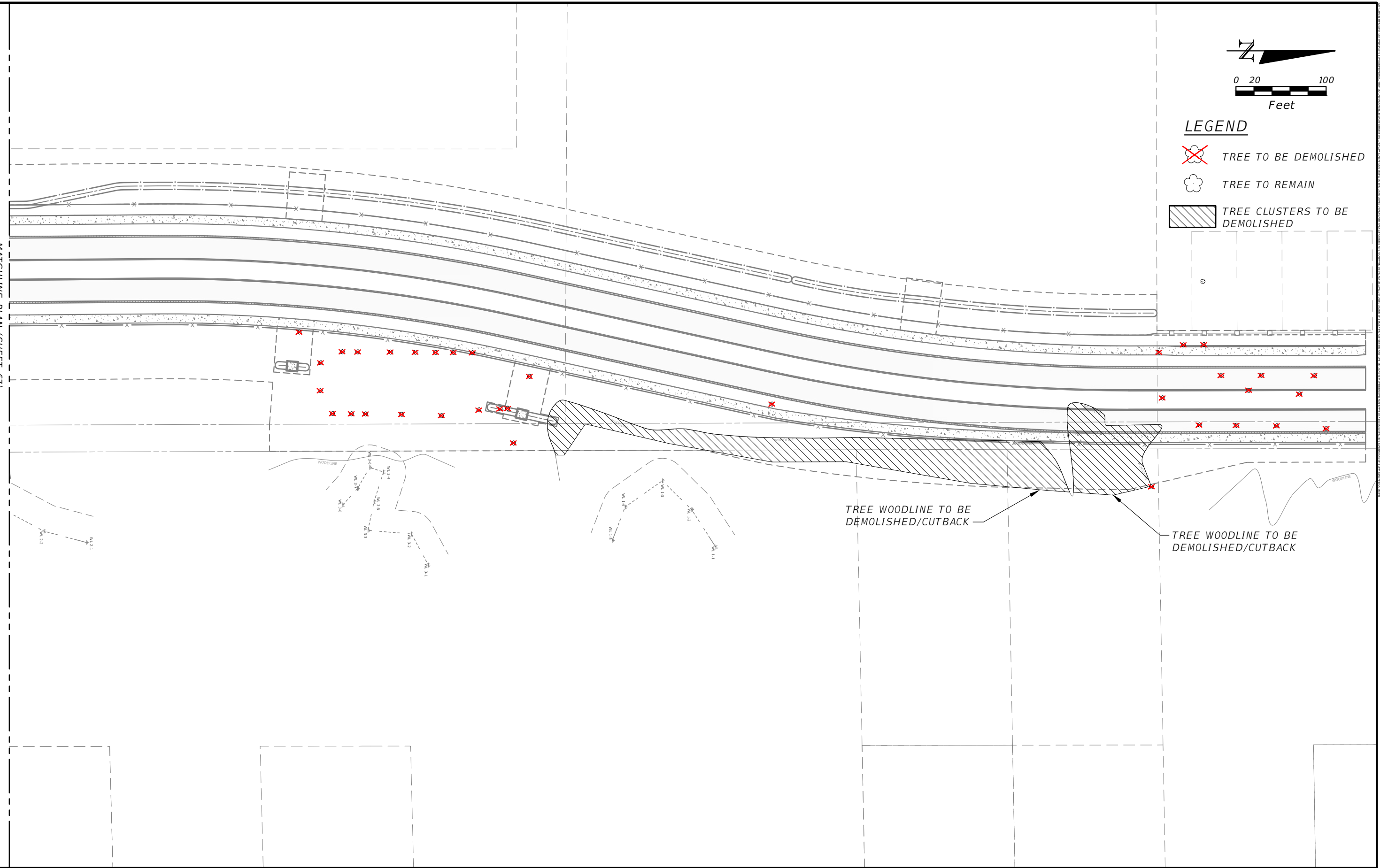
SHEET NO.
67



LEGEND

- TREE TO BE DEMOLISHED
- TREE TO REMAIN
- TREE CLUSTERS TO BE DEMOLISHED

MATCHLINE PLAN (SHEET 67)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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TREE DEPOSITION PLAN

SHEET NO.
68