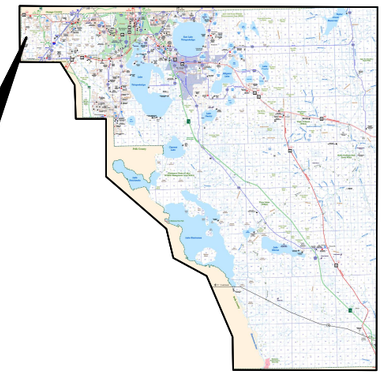
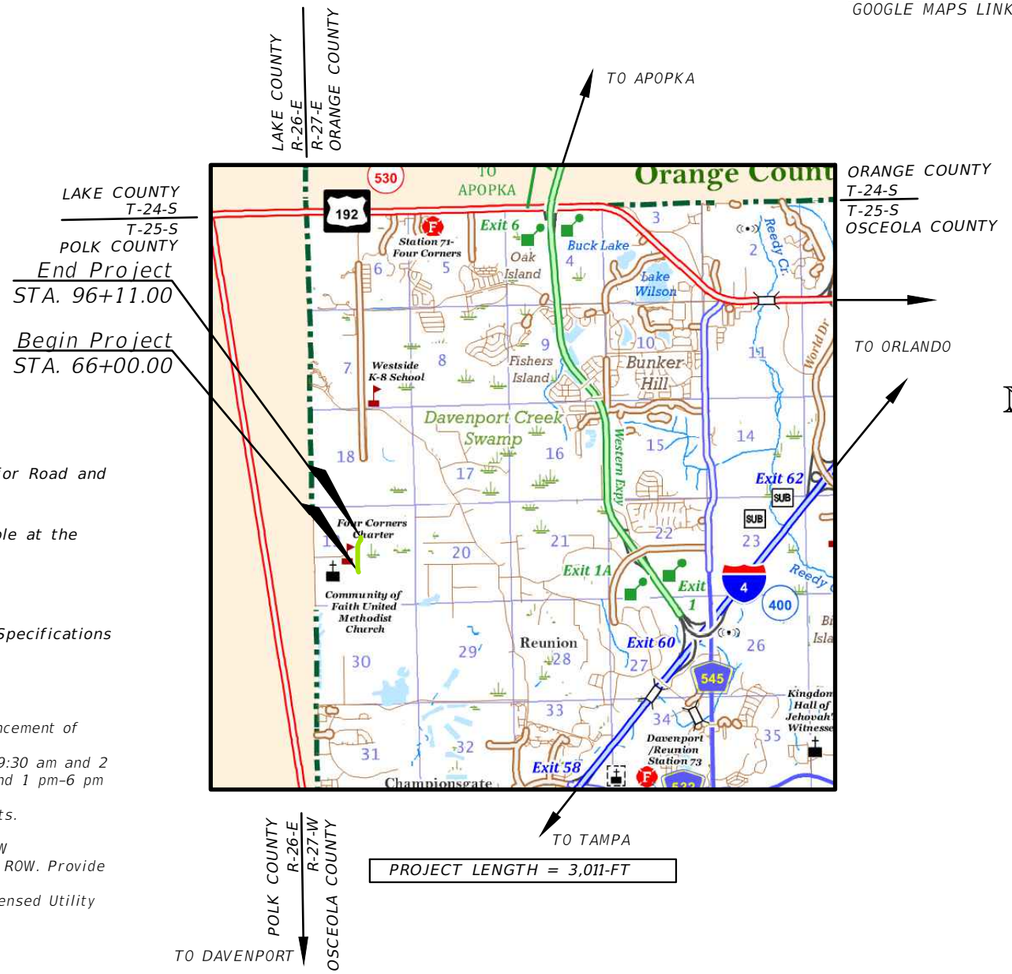
OSCEOLA COUNTY, FLORIDA
TRANSPORTATION AND TRANSIT DEPARTMENT
CONTRACT PLANS FOR
WESTSIDE BLVD EXTENSION



PROJECT LOCATION
GOOGLE MAPS LINK



PROJECT LENGTH = 3,011-FT

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2023-2024 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 2023-2024 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.

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
STEVEN KANE PE. TRANSPORTATION DIRECTOR

INDEX OF ROADWAY PLANS

FINAL SET PLANS
FOR CONSTRUCTION
JANUARY 2024

OSCEOLA COUNTY PROJECT MANAGER: LAURA V. CAMPOS, P.E., ENV SP

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

DAVID A. REID
LICENSE
NO. 38794
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

DAVID A. REID, P.E.

Digitally signed by David A Reid
Date: 2024.01.30 16:54:48-05'00'

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

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

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	NOTES TO REVIEWER
4	SUMMARY OF PAY ITEMS
5	GENERAL NOTES
6 - 7	DRAINAGE MAP
8 - 10	TYPICAL SECTION
11	WETLAND IMPACT MAP
12	DEMOLITION AND EROSION CONTROL PLAN
13	PROJECT LAYOUT
14 - 18	ROADWAY PLAN AND PROFILES
19 - 20	ROADWAY PLANS
21 - 23	SUMMARY OF DRAINAGE STRUCTURES
24 - 25	DRAINAGE TABLES
26 - 40	DRAINAGE STRUCTURES
41 - 43	BACK-OF-SIDEWALK PROFILES
44 - 61	CROSS SECTIONS
62 - 64	DRAINAGE DETAILS
65	TEMPORARY TRAFFIC CONTROL PLAN
66	MASTER RIGHT-OF-WAY MAP
67 - 70	RIGHT-OF-WAY MAP
71 - 72	POND DETAILS
73 - 74	STORM WATER POLLUTION PREVENTION PLAN
75 - 77	SIGNING AND PAVEMENT MARKING
93	INTERSECTION LAYOUT
94	MAINTENANCE ACCESS PLAN

CRAIG G. BALLOCK
LICENSE
NO. 71571
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

Craig G Ballock
CRAIG G. BALLOCK, P.E. 2023.12.14 14:42:19 -05'00'

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.

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
919 LAKE BALDWIN LANE
ORLANDO, FLORIDA 32814
CRAIG G. BALLOCK, P.E. NO. 71571

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

SHEET NO.	SHEET DESCRIPTION
78	SOIL SURVEY
79 - 81	ROADWAY SPT BORING RESULTS
82	ROADWAY AUGER BORING RESULTS
83	POND BORING RESULTS
84 - 85	WALL SPT BORING RESULTS

REGISTERED LANDSCAPE ARCHITECT
TODD W. BONNETT
LA1718
STATE OF FLORIDA

This item has been electronically signed and sealed by Todd W. Bonnett, RLA FL#LA1718 using a Digital Signature and date.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Todd W Bonnett
2024.01.29 16:26:13-05'00'

BONNETT DESIGN GROUP, LLC.
400 S. ORLANDO AVE,
MAITLAND, FLORIDA 32751
TODD W. BONNETT, RLA NO. LA1718

SHEET NO.	SHEET DESCRIPTION
86 - 91	LANDSCAPE PLAN
92	LANDSCAPE DETAILS

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) 629-8330 EXT 150

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. ALL CIP WALLS ARE TO BE DESIGNED BY OTHERS AND SHOP DRAWINGS ARE TO BE SUBMITTED BY THE CONTRACTOR TO OSCEOLA COUNTY.
3. UTILITY WORK HAS BEEN REMOVED FROM THE PLAN SET AND TO BE PERMITTED SEPARATELY WITH TOHO WATER AUTHORITY/OSCEOLA COUNTY.

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) 629-8330 EXT 150

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

NOTES TO REVIEWER

SHEET NO. 3

FDOT PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QTY
0101 1	MOBILIZATION	LS	1
0102 60	WORK ZONE SIGN	ED	4,500
0102115	TYPE III BARRICADE (ROAD TERMINAL TEMP)	ED	8,000
0104 10 3	SEDIMENT BARRIER (SILT FENCE)	LF	10,550
0104 15	SOIL TRACKING PREVENTION DEVICE (CONSTRUCTION ENTRANCE)	EA	2
0104 18	INLET PROTECTION SYSTEM	EA	53
0110 1 1	CLEARING & GRUBBING	AC	15.90
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	24
0120 1	REGULAR EXCAVATION	CY	7,802
0120 4	SUBSOIL EXCAVATION (MUCK REMOVAL)	CY	21,515
0120 6	EMBANKMENT	CY	171,528
0145 1	GEOSYNTHETIC REINFORCED SOIL SLOPE	SF	5,312
0160 4	TYPE B STABILIZATION	SY	17,363.42
0285709	OPTIONAL BASE, BASE GROUP 09	SY	16,134.925
0327 70 1	MILLING EXIST ASPHALT PAVEMENT, 1" AVERAGE DEPTH	SY	778
0334 1 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	2,228
0337 7 82	ASPHALT CONCRETE FRICTION COURSE TRAFFIC C, FC-9.5, PG 76-22	TN	908
0400 4 11	CONCRETE CLASS IV, RETAINING WALLS	CY	605
0415 1 3	REINFORCING STEEL - RETAINING WALL	LB	25,600
0425 1351	INLETS, CURB, TYPE P-5, RIGHT, ROUND BOTTOM, <10'	EA	21
0425 1351	INLETS, CURB, TYPE P-5, LEFT, ROUND BOTTOM, <10'	EA	18
0425 1352	INLETS, CURB, TYPE P-5, RIGHT, ROUND BOTTOM, >10'	EA	3
0425 1361	INLETS, CURB, TYPE P-6, RECTANGULAR BOTTOM, <10'	EA	7
0425 1362	INLETS, CURB, TYPE P-6, RECTANGULAR BOTTOM, >10'	EA	1
0425 1521	INLETS, DT BOT, TYPE C, SINGLE SLOT <10	EA	1
0425 1541	INLETS, DT BOT, TYPE D, SINGLE SLOT <10	EA	2
0425 1549	INLETS, DT BOT, TYPE D, MODIFIED	EA	1
0425 2 61	MANHOLES, P-8, CENTER, CONCENTRIC CONE, ROUND BOTTOM <10	EA	7
0425 2 62	MANHOLES, P-8, CENTER, CONCENTRIC CONE, ROUND BOTTOM >10	EA	10
0430175118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"S/CD	LF	2,093.60
0430175124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"S/CD	LF	2,378.90
0430175130	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 30"S/CD	LF	142.80
0430175136	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 36"S/CD	LF	728.20
0430611129	U TYPE ENDWALL WITH BAFFLES, 1:4 SLOPE 24"	EA	2
0430611133	U TYPE ENDWALL WITH BAFFLES, 1:4 SLOPE 30"	EA	1
0430982129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA	3
0430982133	MITERED END SECTION, OPTIONAL ROUND, 30" CD	EA	2
0430982138	MITERED END SECTION, OPTIONAL ROUND, 36" CD	EA	2
0440 1 10	UNDERDRAIN, TYPE I (PERFORATED PIPE FOR BOLD & GOLD)	LF	185
0515 2311	PEDESTRIAN/ BICYCLE RAILING, ALUMINUM ONLY, 42" TYPE 1	LF	709.06
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	5,925.87
0520 2 1	CONCRETE CURB, TYPE A	LF	5,838.82
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	6,596
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	447
0530 3 4	RIPRAP, RUBBLE, F&I, DITCH LINING	SF	6,418

FDOT PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QTY
0550 10221	FENCING, TYPE B, 5.1-6.0 STANDARD	LF	604.46
0550 60222	FENCE GATE, TYPE B, DOUBLE, 6.1'-12.0' OPENING	EA	1
0570 1 2	PERFORMANCE TURF, SOD	SF	113,782
0580 1 2	LANDSCAPE COMPLETE - LARGE PLANTS	LS	1
0700 1 11	SINGLE POST SIGN F&I GROUND MOUNT, UP TO 12 SF	AS	7
0700 1 60	SINGLE POST SIGN, REMOVE	AS	8
0704 1 2	TUBULAR MARKER, DURABLE, 36" YELLOW POST	EA	3
0706 1 3	RAISED PAVEMENT MARKERS, TYPE B	EA	242
0711 11123	THERMO, STD., WHITE, SOLID, 12" FOR CROSSWALK & ROUNDABOUT	LF	85.72
0711 11125	THERMO, STD., WHITE, SOLID, 24" FOR STOP LINE & CROSSWALKS	LF	93.30
0711 11141	THERMOPLASTIC, STANDARD, WHITE, 6-10 DOTTED EXTENSION LINE	GM	0.02
0711 11170	THERMOPASTIC, STANDARD WHITE ARROWS	EA	3
0711 11241	THERMOPLASTIC, STANDARD, YELLOW, 6-10 DOTTED EXTENSION LINE	GM	0.05
0711 16101	THERMOPLASTIC, STANDARD WHITE, SOLID 6"	GM	1.19
0711 16131	THERMOPLASTIC, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	1.20
0711 16201	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 6"	GM	1.15
0715511220	LIGHT POLE COMPLETE (DESIGNED BY OTHERS)	EA	46
1055 31208	UTILITY FITTINGS FOR PVC PIPE, F&I, TEE, 6" (SHELF FILTRATION SYSTEM)	EA	1
1055 31706	UTILITY FITTINGS FOR PVC PIPE, F&I, CLEANOUT, 4" (SHELF FILTRATION SYSTEM)	EA	1
N/A	COMPLETE BOLD & GOLD CTS SHELF FILTRATION SYSTEM	LF	185

TWA ROADWAY PAY ITEMS:

FDOT PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QTY
0160 4	TYPE B STABILIZATION	SY	885.16
0285709	OPTIONAL BASE, BASE GROUP 09	SY	822.53
0334 1 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	155.64
0337 7 82	ASPHALT CONCRETE FRICTION COURSE TRAFFIC C, FC-9.5, PG 76-22	TN	46
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	182.00
0527 2	DETECTABLE WARNINGS	SF	36
0550 10221	FENCING, TYPE B, 5.1-6.0 STANDARD	LF	1,996.54
0550 60223	FENCE GATE, TYPE B, DOUBLE, 12.1'-18.0' OPENING	EA	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
MAITLAND, FL 32751
(407) 629-8330 EXT 150

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

SUMMARY OF PAY ITEMS (ROADWAY ONLY)

SHEET NO. 4

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

   ADDITIONAL ROW SURVEY PROVIDED BY HAMILTON SURVEYING. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:

   PAUL TRNKA. PSM
   P.S.M. NO.: 5244
   HAMILTON ENGINEERING & SURVEYING LLC.
   431 E HORATIO AVE, SUITE 260
   MAITLAND, FL 32751

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

5. PROVIDE TO THE COUNTY AN UPDATED CONSTRUCTION SCHEDULE IN THE FORM OF A TWO WEEK LOOK AHEAD ON A BI-WEEKLY BASIS.

6. RESTORE ALL DISTURBED AREAS TO ORIGINAL CONDITION OR BETTER. DOCUMENT THIS BY TAKING PHOTOS OR VIDEO PRIOR TO CONSTRUCTION AND AT THE CONCLUSION OF THE PROJECT.

7. 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.

8. 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.

9. ALL CIP WALLS ARE TO BE DESIGNED BY OTHERS AND SHOP DRAWINGS ARE TO BE SUBMITTED BY THE CONTRACTOR TO OSCEOLA COUNTY.

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			
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) 629-8330 EXT 150

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

GENERAL NOTES

SHEET NO. 5

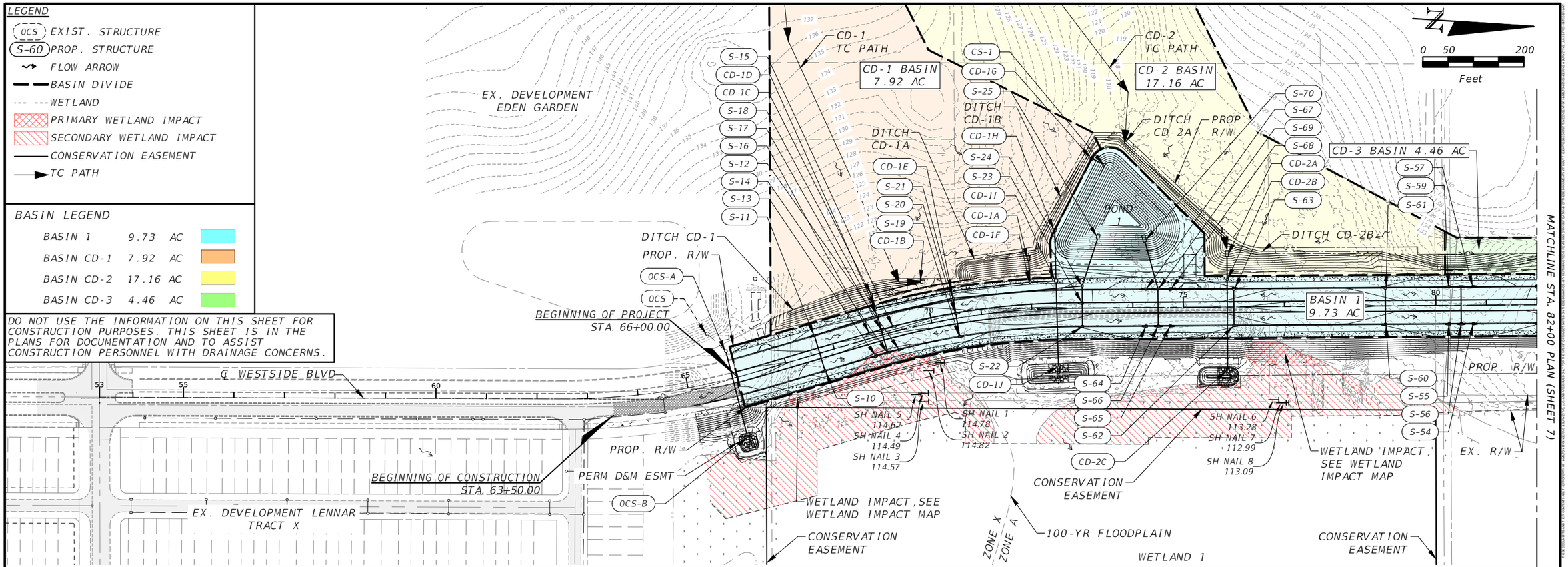
LEGEND

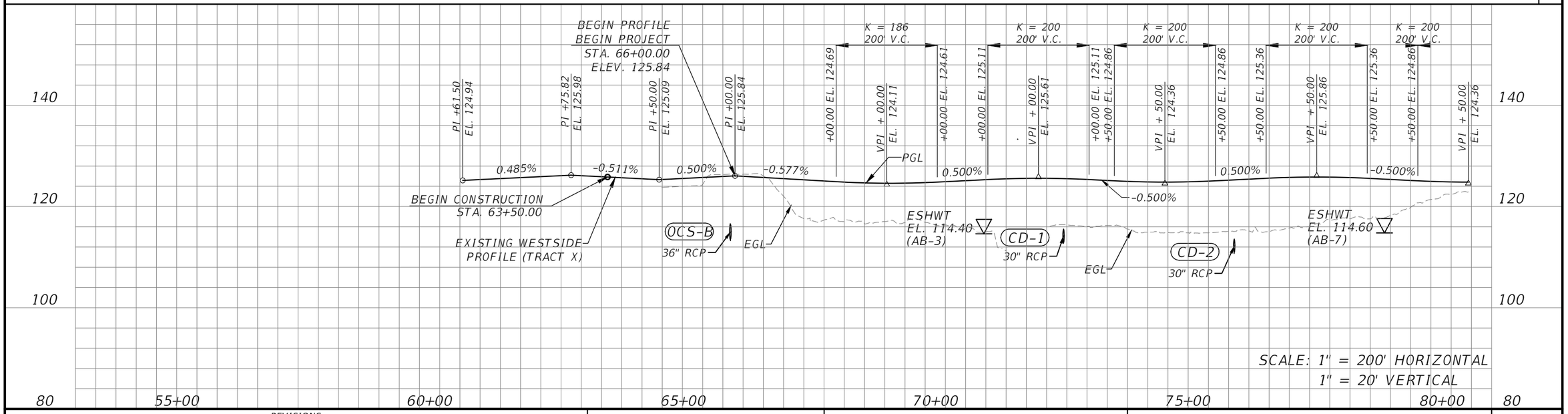
- OCS — EXIST. STRUCTURE
- S-60 — PROP. STRUCTURE
- FLOW ARROW
- BASIN DIVIDE
- WETLAND
- PRIMARY WETLAND IMPACT
- SECONDARY WETLAND IMPACT
- CONSERVATION EASEMENT
- TC PATH

BASIN LEGEND

BASIN 1	9.73	AC
BASIN CD-1	7.92	AC
BASIN CD-2	17.16	AC
BASIN CD-3	4.46	AC

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





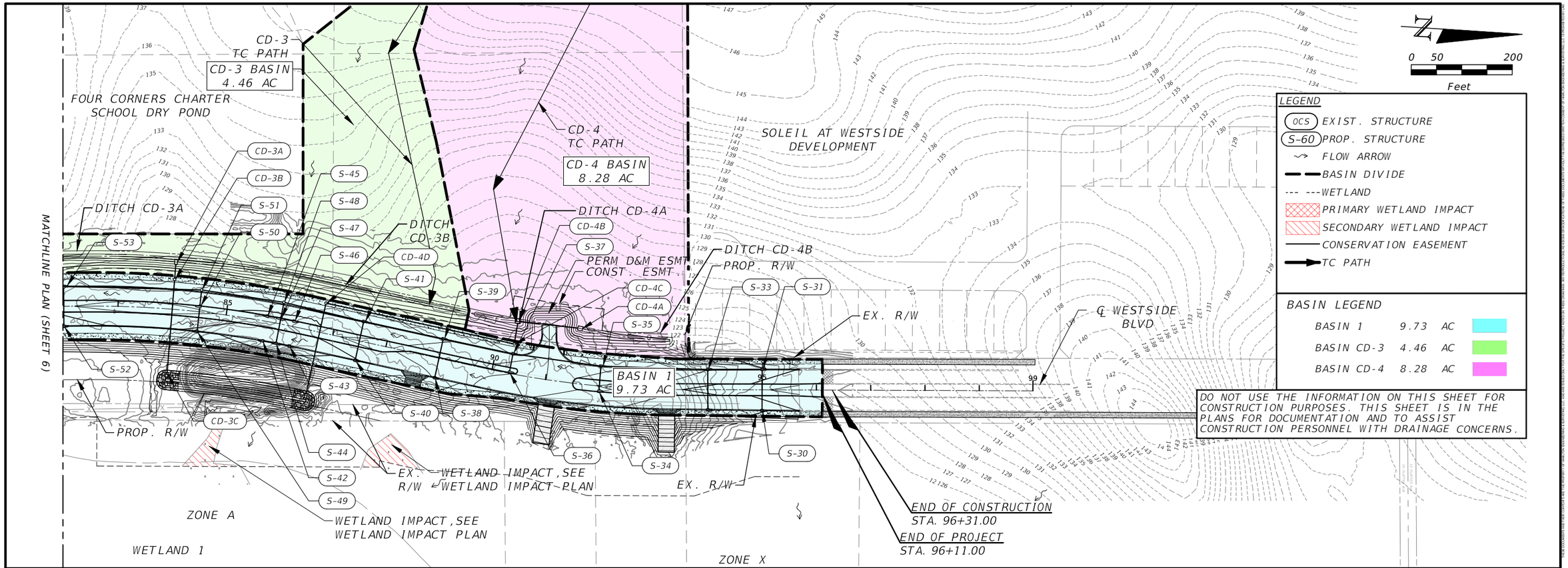
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

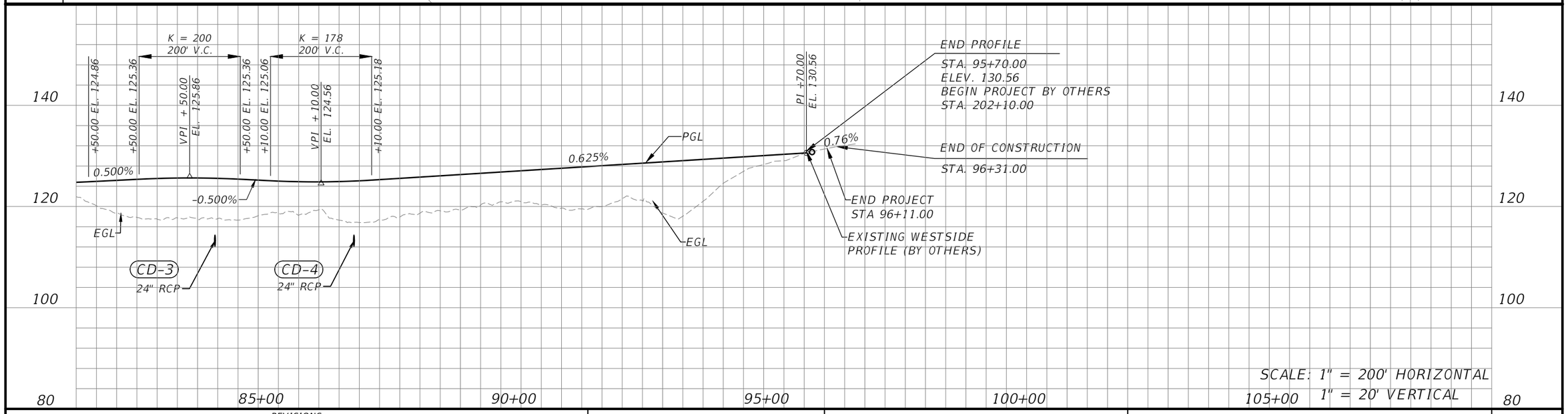
DAVID A. REID, P.E.
P.E. LICENSE NUMBER 38794
HAMILTON ENGINEERING & SURVEYING, LLC
431 E. HORATIO AVE., SUITE 260
MAITLAND, FL 32751
(407) 629-8330 EXT 150

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

DRAINAGE MAP

SHEET NO. 6





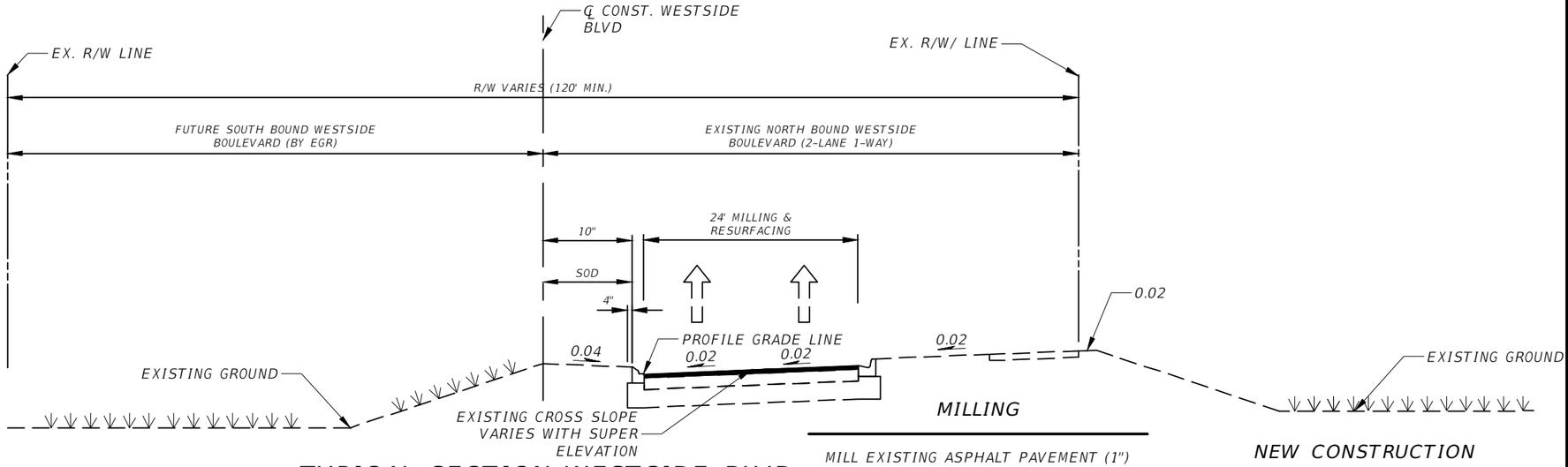
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID A. REID, P.E.
P.E. LICENSE NUMBER 38794
HAMILTON ENGINEERING & SURVEYING, LLC
431 E. HORATIO AVE., SUITE 260
MAITLAND, FL 32751
(407) 629-8330 EXT 150

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

DRAINAGE MAP

SHEET NO. 7



TYPICAL SECTION WESTSIDE BLVD
STA. 63+00.00 TO STA. 66+00.00
DESIGN SPEED = 45 MPH

MILLING

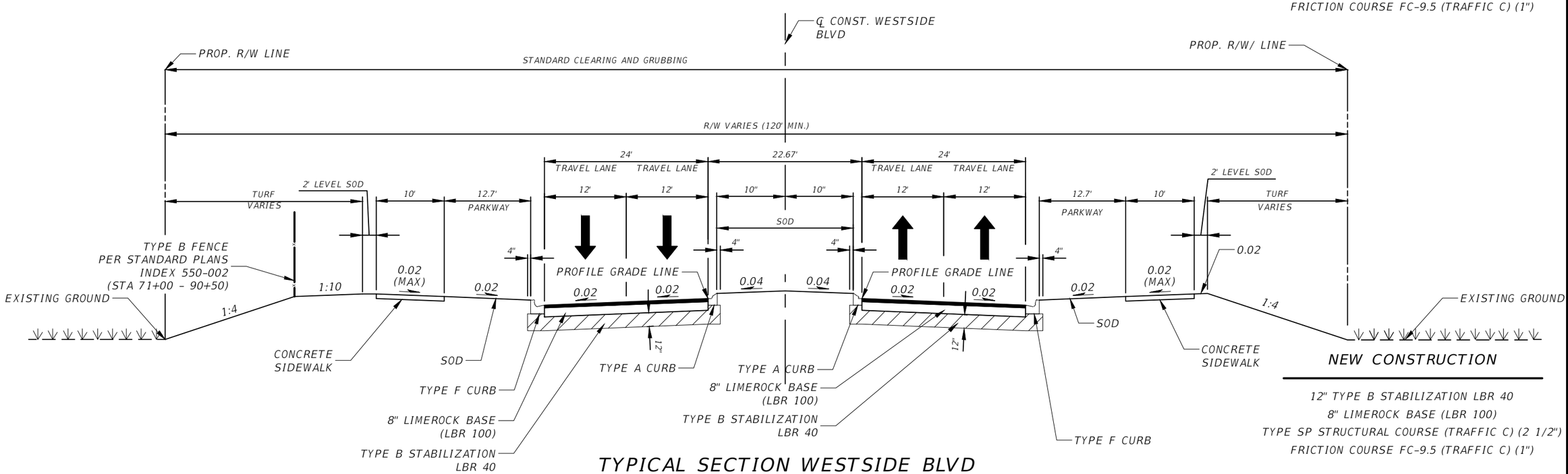
MILL EXISTING ASPHALT PAVEMENT (1")

RESURFACING

FRICTION COURSE FC-9.5 (TRAFFIC C) (1")

NEW CONSTRUCTION

12" TYPE B STABILIZATION LBR 40
8" LIMEROCK BASE (LBR 100)
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")
FRICTION COURSE FC-9.5 (TRAFFIC C) (1")



TYPICAL SECTION WESTSIDE BLVD
STA. 66+00.00 TO STA. 87+95.60
DESIGN SPEED = 45 MPH

NEW CONSTRUCTION

12" TYPE B STABILIZATION LBR 40
8" LIMEROCK BASE (LBR 100)
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")
FRICTION COURSE FC-9.5 (TRAFFIC C) (1")

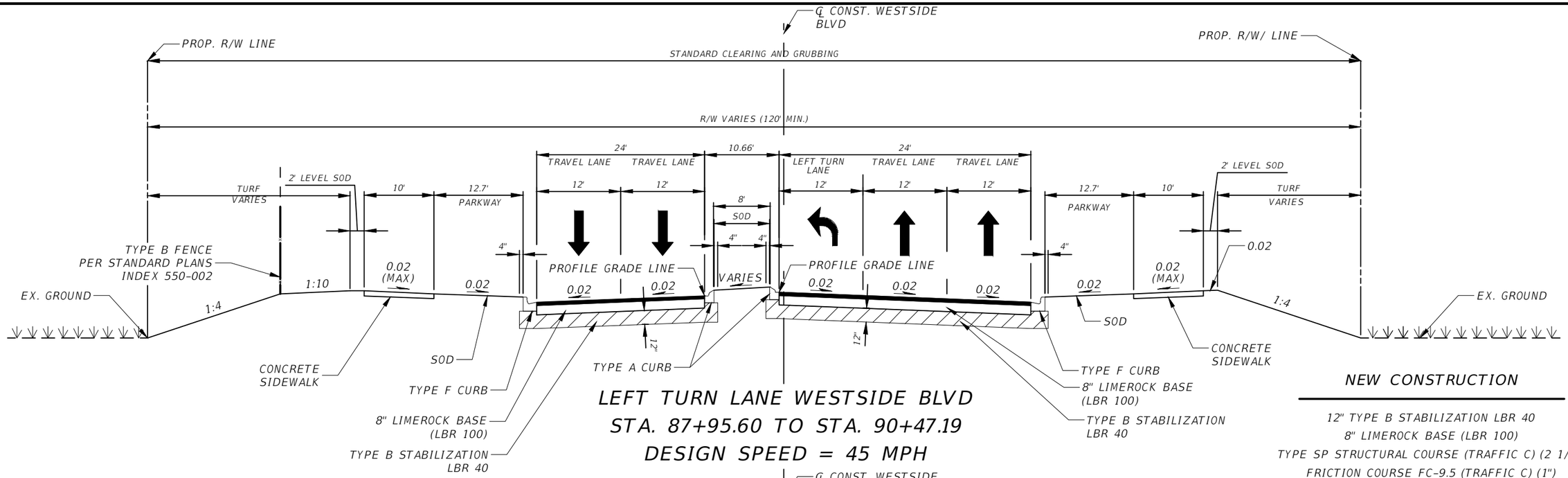
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID A. REID, P.E.
P.E. LICENSE NUMBER 38794
HAMILTON ENGINEERING & SURVEYING, LLC
431 E. HORATIO AVE., SUITE 260
ORLANDO, FL 32751
(407) 629-8330 EXT 150

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

TYPICAL SECTION

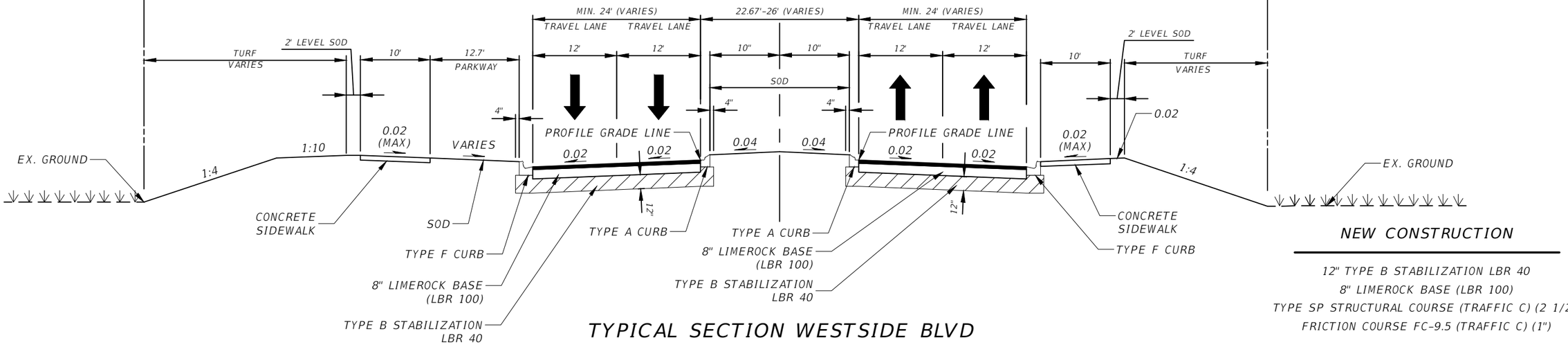
SHEET NO. 8



LEFT TURN LANE WESTSIDE BLVD
STA. 87+95.60 TO STA. 90+47.19
DESIGN SPEED = 45 MPH

NEW CONSTRUCTION

12" TYPE B STABILIZATION LBR 40
8" LIMEROCK BASE (LBR 100)
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")
FRICTION COURSE FC-9.5 (TRAFFIC C) (1")



TYPICAL SECTION WESTSIDE BLVD
STA. 90+47.19 TO STA. 96+11.00
DESIGN SPEED = 45 MPH

NEW CONSTRUCTION

12" TYPE B STABILIZATION LBR 40
8" LIMEROCK BASE (LBR 100)
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")
FRICTION COURSE FC-9.5 (TRAFFIC C) (1")

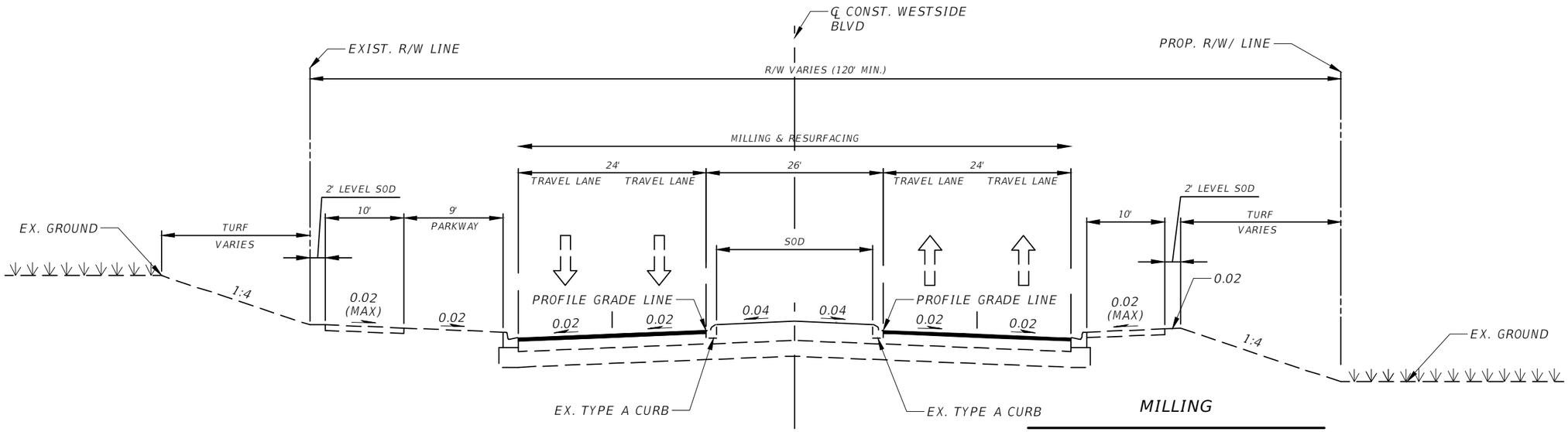
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID A. REID, P.E.
P.E. LICENSE NUMBER 38794
HAMILTON ENGINEERING & SURVEYING, LLC
431 E. HORATIO AVE., SUITE 260
ORLANDO, FL 32751
(407) 629-8330 EXT 150

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

TYPICAL SECTION

SHEET NO. 9



TYPICAL SECTION WESTSIDE BLVD
STA. 96+11.00 TO STA. 96+31.00
DESIGN SPEED = 45 MPH

MILLING

MILL EX. ASPHALT PAVEMENT (1")

RESURFACING

FRICTION COURSE FC-9.5 (TRAFFIC C) (1")

REVISIONS			
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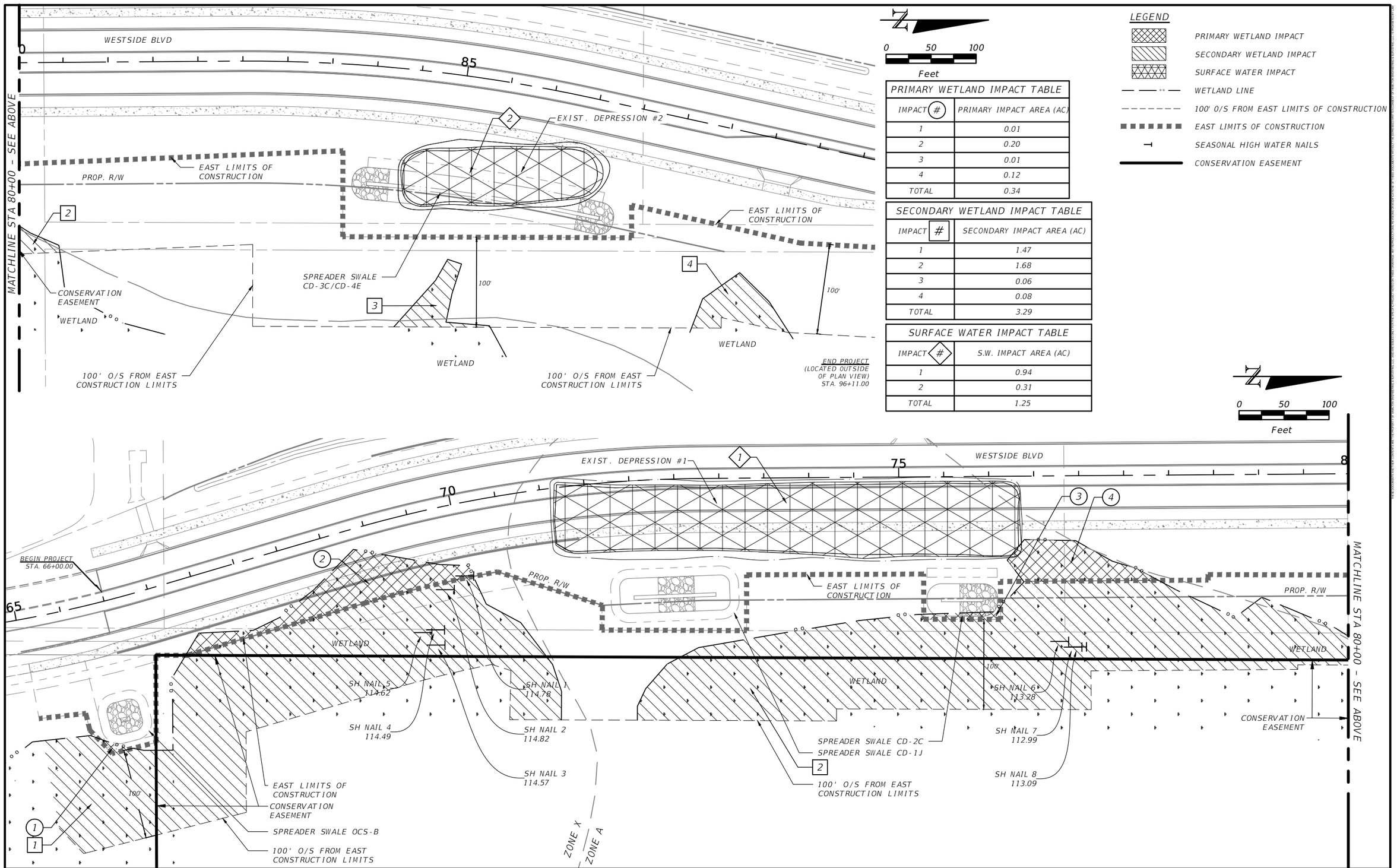
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

TYPICAL SECTION

SHEET NO. 10



PRIMARY WETLAND IMPACT TABLE	
IMPACT #	PRIMARY IMPACT AREA (AC)
1	0.01
2	0.20
3	0.01
4	0.12
TOTAL	0.34

SECONDARY WETLAND IMPACT TABLE	
IMPACT #	SECONDARY IMPACT AREA (AC)
1	1.47
2	1.68
3	0.06
4	0.08
TOTAL	3.29

SURFACE WATER IMPACT TABLE	
IMPACT #	S.W. IMPACT AREA (AC)
1	0.94
2	0.31
TOTAL	1.25

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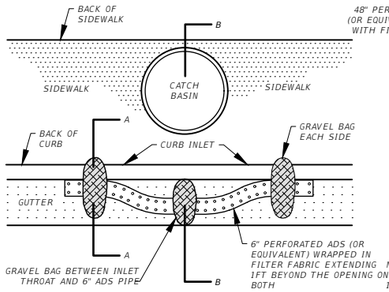
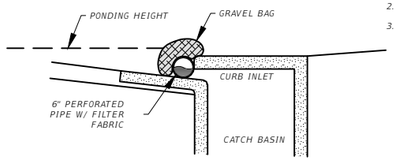
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

WETLAND IMPACT PLAN

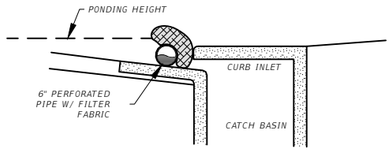
SHEET NO. 11



PLAN VIEW



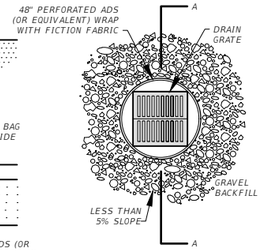
SECTION A-A

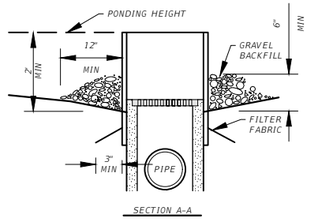


SECTION B-B

CURB INLET SEDIMENT BARRIER (INLET PROTECTION)

NTS





SECTION A-A

NOTES:

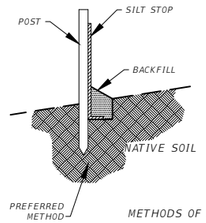
1. USE PIPE AND GRAVEL TYPE SEDIMENT BARRIER WHEN CURB INLET IS LOCATED IN GENTLY SLOPING STREET SEGMENT, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. BARRIER SHALL ALLOW FOR OVERFLOW FROM SEVERE STORM EVENT.
3. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

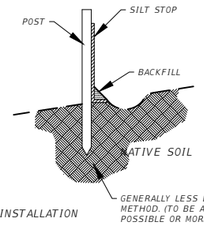
DROP INLET SEDIMENT BARRIER (INLET PROTECTION)

NTS

NOTES:

1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS (LESS THAN 5%).
2. THE TOP OF STRUCTURE (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. EXCAVATION OF A BASIN ADJACENT TO THE DROP INLET OR A TEMPORARY DIKE ON THE DOWNSLOPE OF THE STRUCTURE MAY BE NECESSARY.
3. ALL EXISTING INLETS LOCATED ON EXISTING ROAD TO HAVE INLET PROTECTION DURING CONSTRUCTION.
4. ALL TURBIDITY BARRIER INSTALLED TO BE FDOT TYPE III.
5. WATER TRUCK SHALL BE ONSITE DURING CONSTRUCTION TO KEEP DUST LEVEL AT A MINIMUM (OR USE OTHER METHODOLOGY FOR DUST ABATEMENT/CONTROL APPROVED BY CITY/COUNTY) .

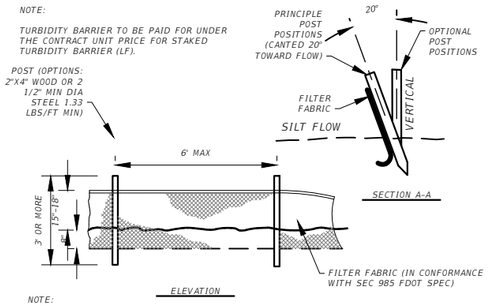




METHODS OF INSTALLATION

NOTE:

TURBIDITY BARRIER TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED TURBIDITY BARRIER (LF).



SECTION A-A

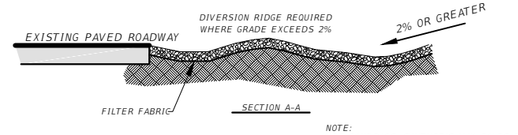
ELEVATION

NOTE:

THE EROSION BARRIER, AS SHOWN, IS NOT TO BE CONSTRUED TO MEAN THAT IT IS ALL THAT MAY BE REQUIRED. THE CONTRACTOR IS TO TAKE WHATEVER MEASURES NECESSARY TO CONTROL EROSION THROUGHOUT THE PROJECT. EROSION CONTROL WILL BE INSTALLED PRIOR TO LAND CLEARING AND SHALL REMAIN IN PLACE UNTIL THE AREA IS STABILIZED. (SEE OTHER EROSION AND TURBIDITY NOTES ON THE GENERAL NOTES SHEET OF THIS PLAN SET.)

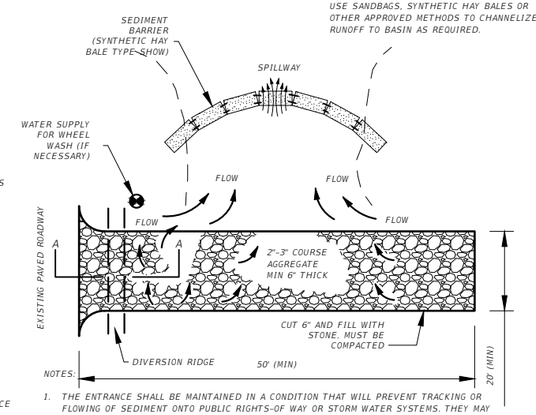
STAKED TURBIDITY BARRIER (SILT FENCE)

NTS



SECTION A-A

NOTE:
USE SANDBAGS, SYNTHETIC HAY BALES OR OTHER APPROVED METHODS TO CHANNELIZE RUNOFF TO BASIN AS REQUIRED.



NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF WAY OR STORM WATER SYSTEMS. THEY MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE INTO THE PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY CONSTRUCTION ENTRANCE

NTS

LEGEND

- SF — SINGLE ROW TURBIDITY BARRIER
- SF SF — DOUBLE ROW TURBIDITY BARRIER
- X — TO BE DEMOLISHED
- 85 — SPOT ELEVATION
- 85 — EX. CONTOUR
- EX. TREE TO REMAIN AT CONTRACTORS DISCRETION
- X — EXISTING TREE TO BE DEMOLISHED
- PRIMARY WETLAND IMPACTS
- SECONDARY WETLAND IMPACTS
- REMOVE SOIL ORGANICS
- S — EX. FM
- # — EX. FENCE

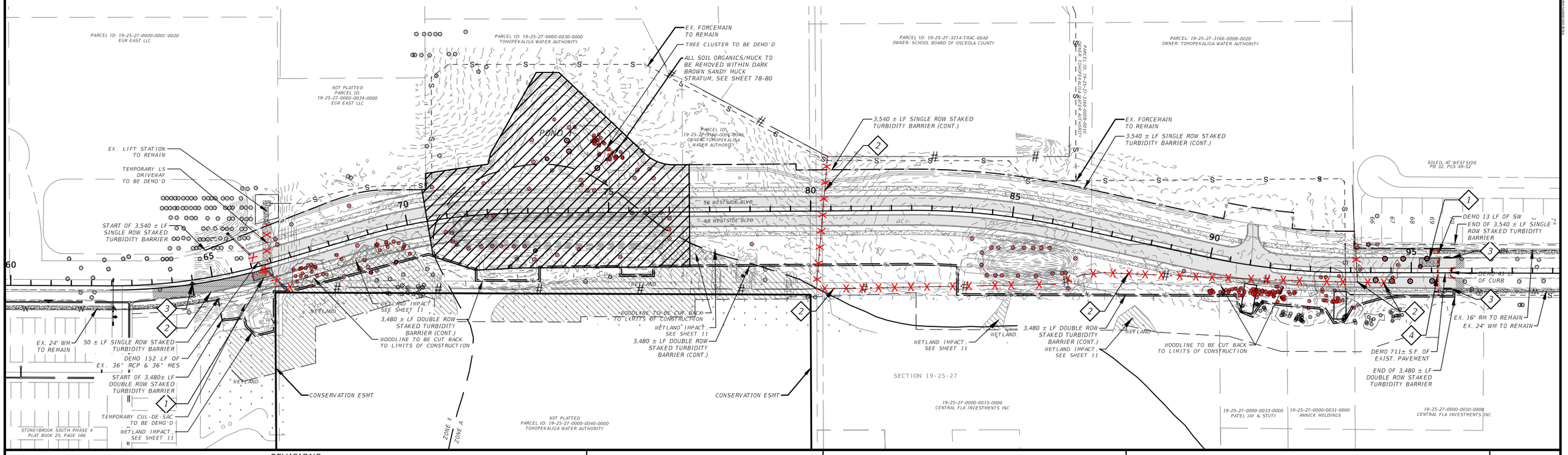
DEMOLITION NOTES

1. TEMPORARY CONSTRUCTION ENTRANCE
2. EXISTING FENCE TO BE DEMOLISHED
3. INLET PROTECTION SYSTEM
4. EXISTING SIGNS TO BE DEMOLISHED

N

0 125 250

Feet



REVISIONS			
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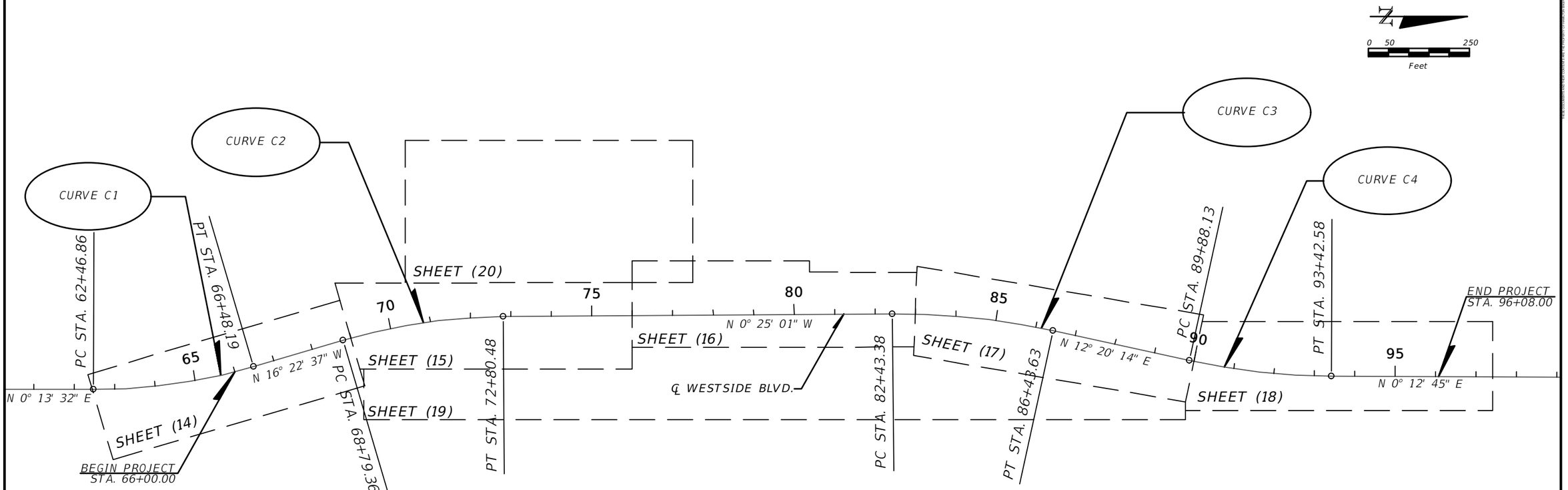
OSCEOLA COUNTY

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

DEMOLITION AND EROSION CONTROL PLAN

SHEET NO. 12

CURVE AND COORDINATE DATA TABLE																		
CURVE NO.	LINE	P.C. STATION	P.I. STATION	P.T. STATION	Delta (Δ)	T	L	R	e	DESIGN SPEED	PC NORTH	PC EAST	PI NORTH	PI EAST	PT NORTH	PT EAST	CENTER NORTH	CENTER EAST
C1	WESTSIDE BOULEVARD	62+46.86	64+48.95	66+48.19	016° 36' 09"	202.08	401.33	1385.00	14.66	45	1,439,038.05	447,519.67	1,439,240.12	447,520.47	1,439,434.01	447,463.49	446,134.68	446,134.68
C2	WESTSIDE BOULEVARD	68+79.36	70+81.23	72+80.48	015° 57' 36"	201.87	401.12	1440.00	14.08	45	1,439,655.79	447,398.31	1,439,849.47	447,341.39	1,440,051.33	447,339.92	448,779.88	448,779.88
C3	WESTSIDE BOULEVARD	82+43.38	84+44.33	86+43.63	012° 45' 15"	200.95	400.25	1798.02	11.19	45	1,441,014.20	447,332.91	1,441,215.15	447,331.45	1,441,411.47	447,374.39	449,130.89	449,130.89
C4	WESTSIDE BOULEVARD	89+88.13	91+66.02	93+42.58	012° 07' 29"	177.89	354.45	1675.00	9.42	45	1,441,748.01	447,448.00	1,441,921.80	447,486.01	1,442,099.69	447,486.67	445,811.68	445,811.68



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OSCEOLA COUNTY

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

PROJECT LAYOUT

SHEET NO. 13

0 10 50
Feet

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

EX. SS (TO REMAIN)
FUT. SB WESTSIDE BLVD (BY OTHERS)
℄ CONST. WESTSIDE BLVD
63
64
65
66
67
68
EX. 36" RCP
END NB MILL & RE-SURFACING
BEGIN PROJECT
BEGIN CONSTRUCTION SB
MATCH PROJECT BY OTHERS
STA. 66+00.00
CURVE C1
START NB MILL & RESURFACING
STA 63+50.00
EX. DRAINAGE (TO REMAIN)
BEGIN NB SW CONST.
STA:65+05.26
BEGIN SW TRANSITION
STA:65+81.00
START CIP WALL STA:66+00
SLOPE ESMT.
D.E.
36" RCP
OCS
OCS-A
OCS-B
EX.R/W
PROP.R/W
DITCH CD-1A
DRIVEWAY PER FDOT INDEX
NO. 522-003 (EGR LS)
CD-1C
CD-1D
S-18
TYPE F
18" RCP
S-11
SB WESTSIDE BLVD
PT: 66+48.19
S-16
S-17
TYPE A CURB
N16°22'37"W
18" RCP
PC: 68+79.36
NB WESTSIDE BLVD
S-10
S-13
TYPE F CURB
S-14
MATCHLINE STA. 69+00.00
CIP WALL W/ RAILING PER
FDOT INDEX 515-062
(SEE SHEET 3, NOTE 2)
C.E.
WETLAND

SB S.E. -0.02
NB S.E. +0.02
NB S.E. TRANS. -0.02 TO +0.02
BEGIN S.E. TRANS.
61+26.86
NB S.E. TRANS. +0.02 TO -0.02
SB S.E. TRANS. -0.02 TO +0.02
NB S.E. -0.02
62+76.86 (NGVD29: 126.84)
66+18.19
67+59.36
67+68.19
K = 186
200' V.C
+00.00 EL 124.69
+00.00 EL. 124.11

PI +75.82
EL. 125.98
(NGVD29: 126.84)
PI +50.00
EL. 125.09
(NGVD29: 125.95)
PI +00.00
EL. 125.84
(NGVD29: 126.70)
125.61
START NB MILL & RESURF.
BEGIN NB CONSTRUCTION
STA. 63+50.00
-0.511%
EXISTING WESTSIDE
PROFILE (TRACT X)
0.500%
BEGIN PROFILE
BEGIN PROJECT
END NB MILL &RE-SURFACE
STA. 66+00.00
ELEV. 125.84
-0.577%
PGL
EGL
ST-19
ST 17
ST-18
18" RCP
30" RCP
DRAINAGE BY OTHERS TO REMAIN
(WESTSIDE BLVD - TRACT X)
DRAINAGE BY OTHERS TO REMAIN
(EDEN GARDENS)
ESHWT
EL. 115.10
(AB-1)
TWA GWE
EL. 115.60
(NAVD88)
ESHWT
EL. 115.10
(AB-2)

130
125
120
115
110
62+00
63+00
64+00
65+00
66+00
67+00
68+00
69+00

HORIZONTAL SCALE: 1" - 50'
VERTICAL SCALE: 1" - 5'

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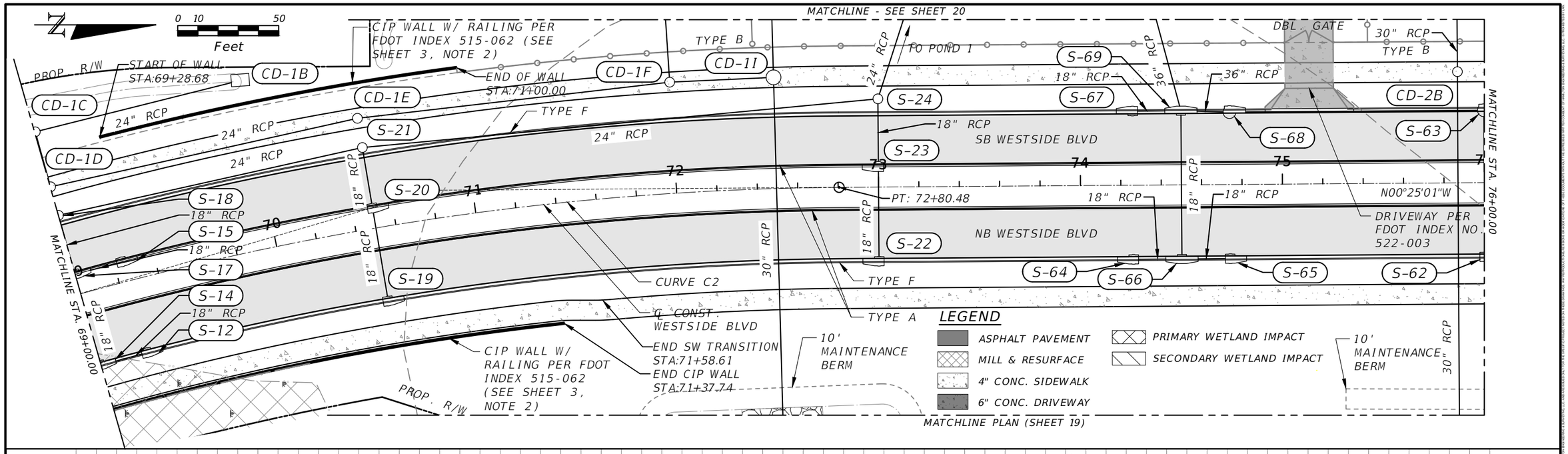
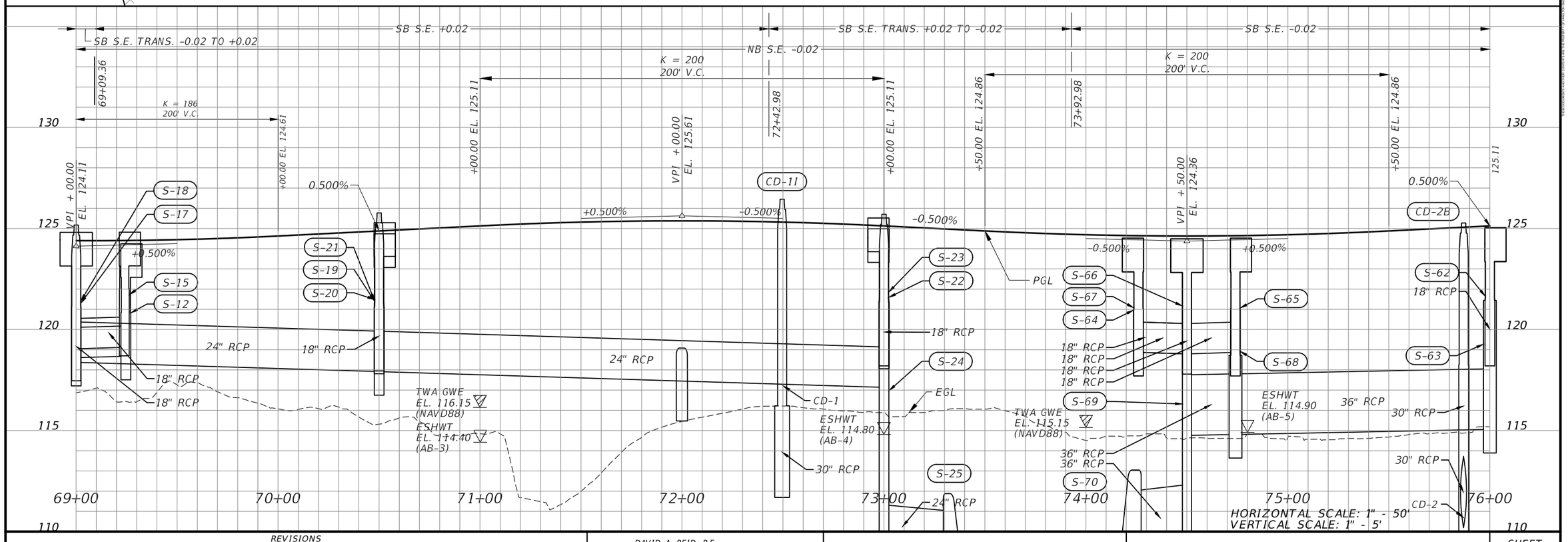
OSCEOLA COUNTY
OSCEOLA COUNTY TRANSPORTATION AND TRANSIT DEPARTMENT

ROADWAY PLAN AND PROFILES

SHEET NO. 14





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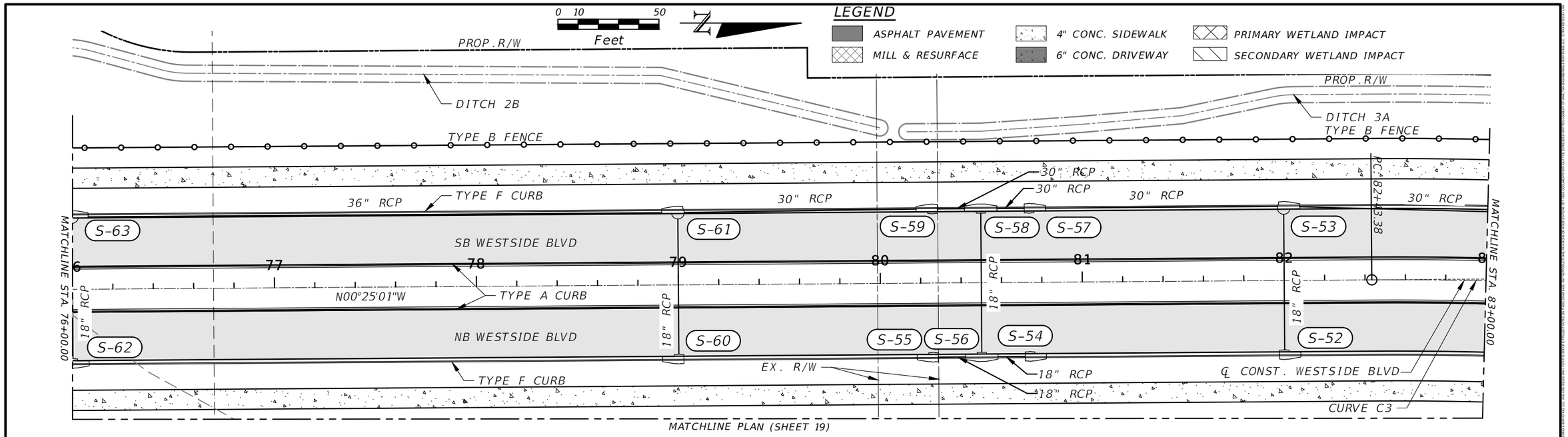
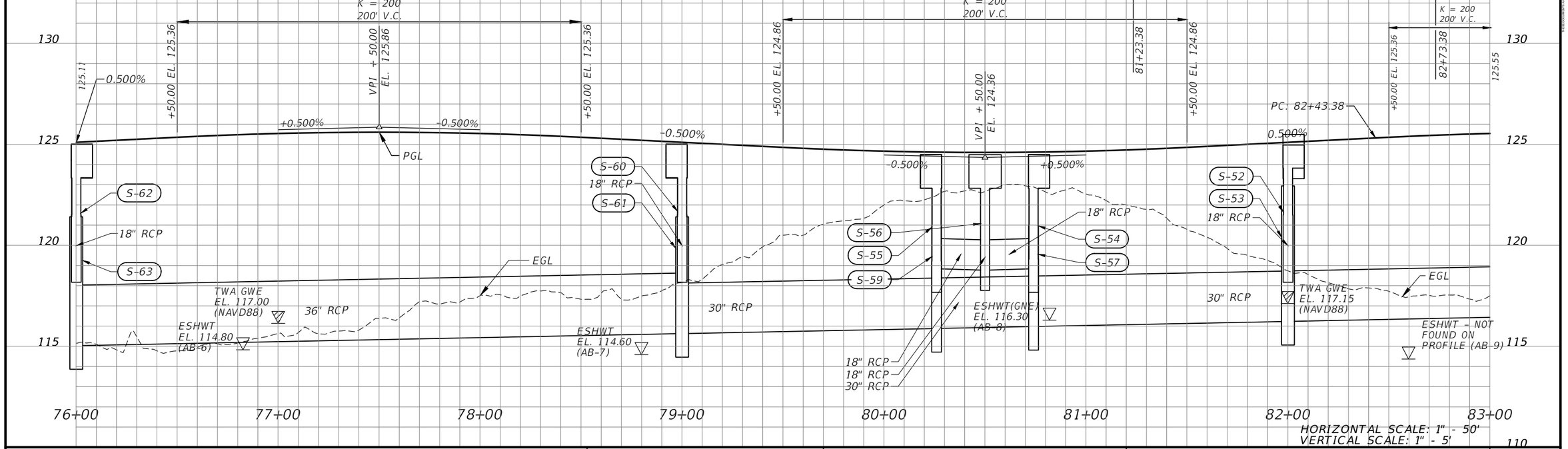
TRANSPORTATION AND TRANSIT DEPARTMENT

ROADWAY PLAN AND PROFILES

SHEET NO. 15





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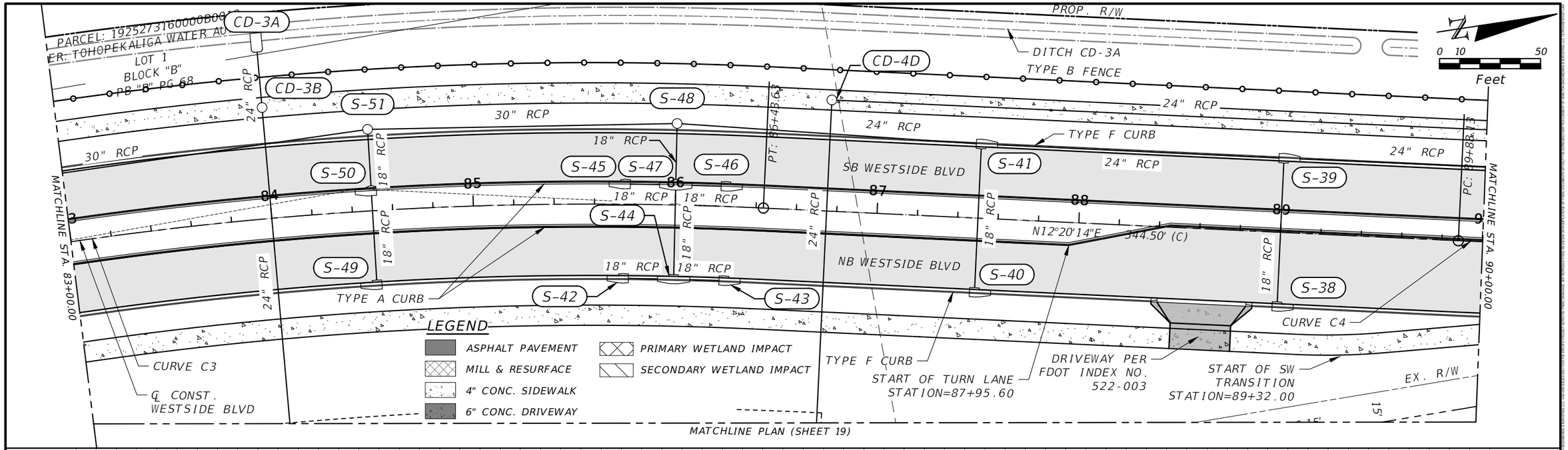
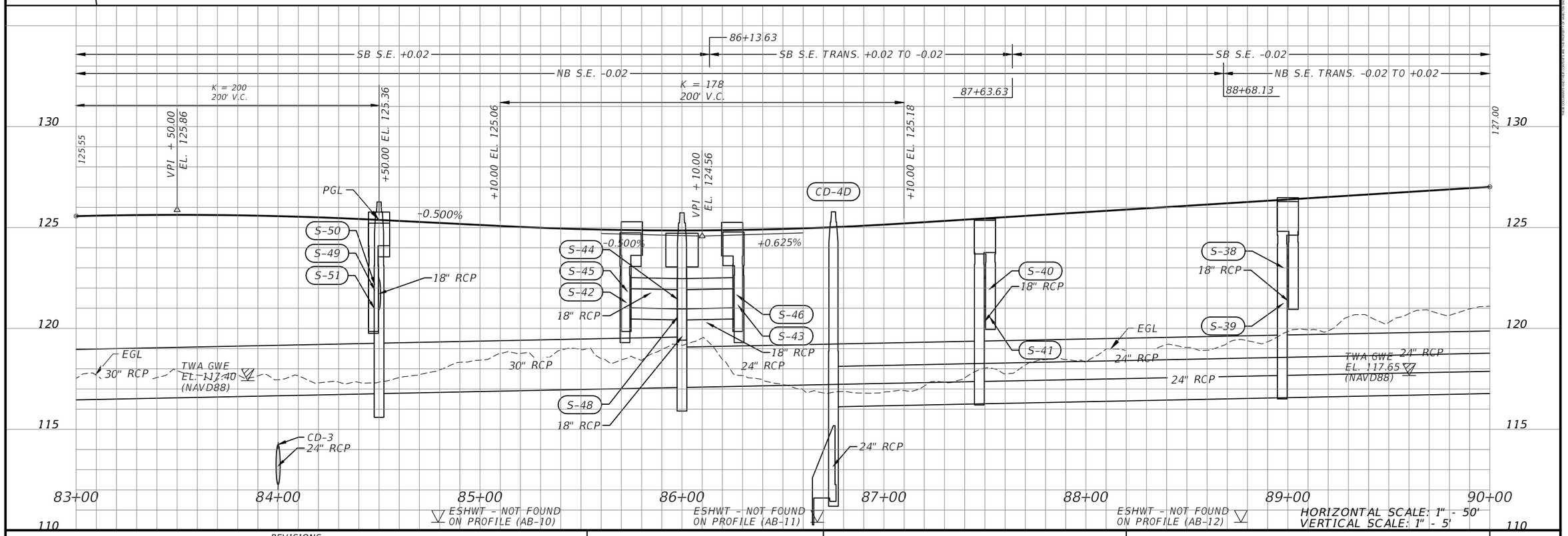
ROADWAY PLAN AND PROFILES

SHEET NO. 16





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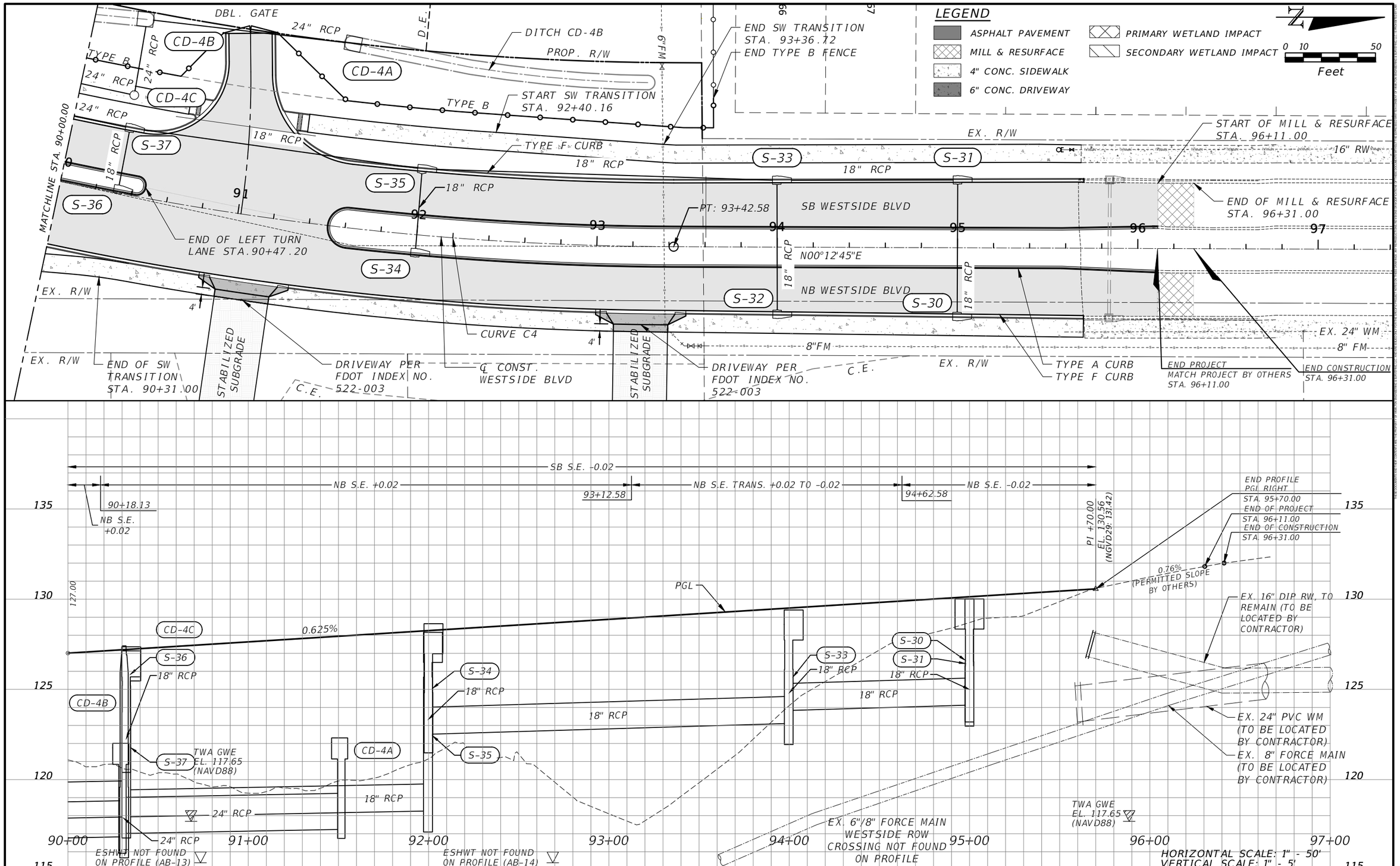
TRANSPORTATION AND TRANSIT DEPARTMENT

ROADWAY PLAN AND PROFILES

SHEET NO. 17



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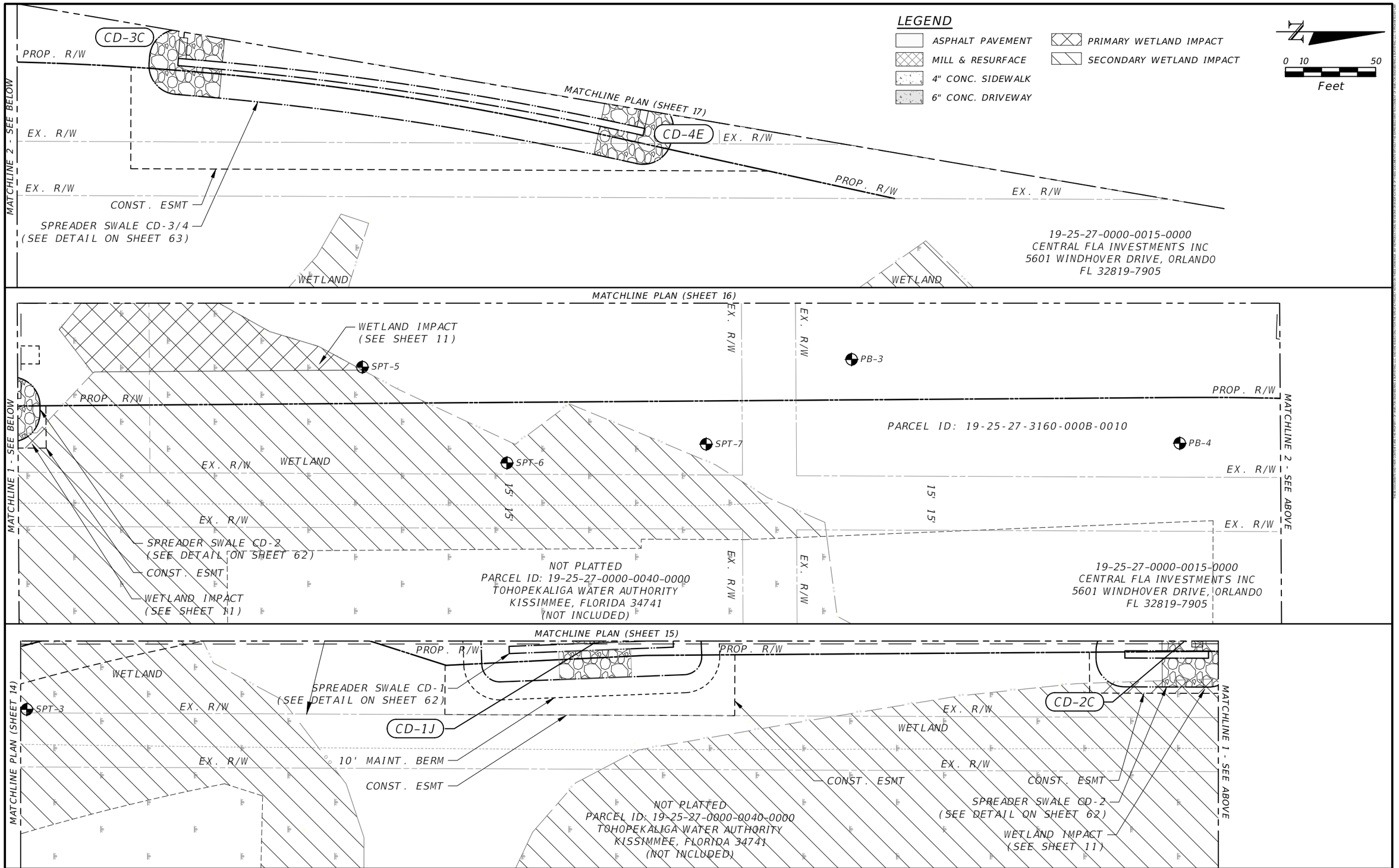
TRANSPORTATION AND TRANSIT DEPARTMENT

ROADWAY PLAN AND PROFILES

SHEET NO. 18



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TRANSPORTATION AND TRANSIT DEPARTMENT

ROADWAY PLANS

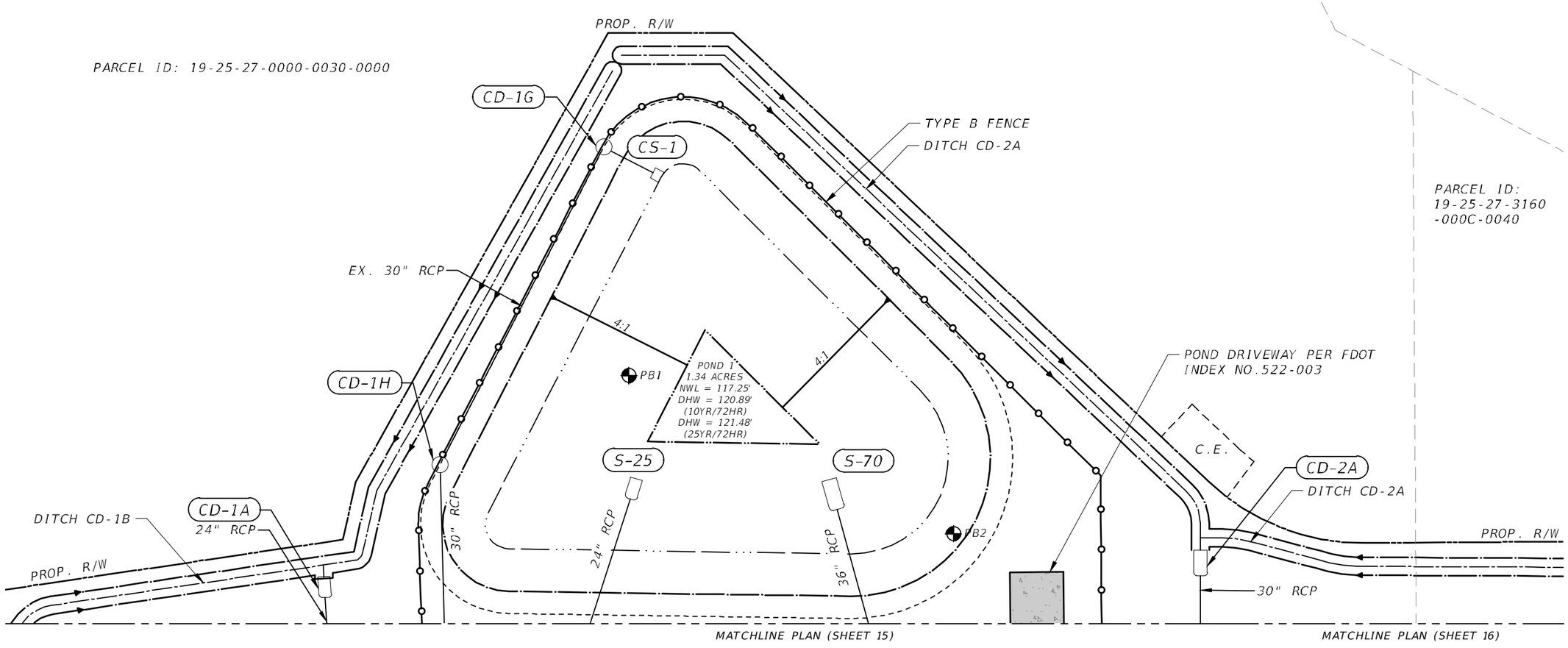
SHEET NO. 19

LEGEND

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

0 10 50

Feet



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ROADWAY PLANS

SHEET NO. 20

SUMMARY OF DRAINAGE STRUCTURES

Q T Y	STR. NO.	STATION	SIDE	DESCRIPTION	B R L S	SIZE STORM AND CROSS DRAIN OPTIONAL TYPE				CURB INLETS				MH		DITCH BOTTOM INLET		U TYPE END WALL		MITERED END SECTION								REMARK
						ROUND SHAPE				P-5		P-6		P-8		C	D											
						18"	24"	30"	36"	< 10'	> 10'	< 10'	> 10'	< 10'	> 10'	< 10'	< 10'	24"	30"	24"	30"	36"						
P	OCS-A	65+90.53	Lt.	MH, PIPE, MES	1				175.0						1.0							1.0						
F																												
P	S-10	67+70.17	Rt.	INLET, PIPE	1	73.4				1.0																		
F																												
P	S-11	67+69.85	Lt.	INLET, PIPE	1	131				1.0																		
F																												
P	S-12	69+24.58	Rt.	INLET, PIPE	1	24				1.0																		
F																												
P	S-13	68+75.52	Rt.	INLET, PIPE	1	24				1.0																		
F																												
P	S-14	69+00	Rt.	INLET, PIPE	1	48						1.0																
F																												
P	S-15	69+23.81	Lt.	INLET, PIPE	1	24				1.0																		
F																												
P	S-16	68+76.16	Lt.	INLET, PIPE	1	24				1.0																		
F																												
P	S-17	69+00	Lt.	INLET, PIPE	1	30.4						1.0																
F																												
P	S-18	69+00	Lt.	MH, PIPE	1		154.0							1.0														
F																												
P	S-19	70+50	Rt.	INLET, PIPE	1	47				1.0																		
F																												
P	S-20	70+50	Lt.	INLET, PIPE	1	30.4				1.0																		
F																												
P	S-21	70+50	Lt.	MH, PIPE	1		256.4							1.0														
F																												
P	S-22	73+00	Rt.	INLET, PIPE	1	46				1.0																		
F																												
P	S-23	73+00	Lt.	INLET, PIPE	1	33.5				1.0																		
F																												
P	S-24	73+00	Lt.	MH, PIPE, MES	1		104.1								1.0					1.0								
F																												
P	CD-1A	71+99.88	Lt.	MES, PIPE	1		46.0													1.0								
F																												
P	CD-1B	69+99.77	Lt.	INLET, PIPE	1		106.0									1.0												
F																												
P	CD-1C	69+00	Lt.	MH, PIPE	1		28.3							1.0														
F																												
P	CD-1D	69+00	Lt.	MH, PIPE	1		156.0								1.0													
F																												
P	CD-1E	71+50	Lt.	MH, PIPE	1		156.0								1.0													
F																												
P	CD-1F	72+00	Lt.	MH, PIPE	1		51.5								1.0													
F																												
P	CD-1G	73+20.81	Lt.	MH, PIPE	1			160.1						1.0														
F																												
P	CD-1H	72+49.66	Lt.	MH, PIPE	1			100.4						1.0														
F																												
P	CD-1I	74+49.57	Lt.	MH, PIPE, EW	1			171.0							1.0				1.0									
F																												
P	CS-1	73+44.67	Lt.	INLET, PIPE	1			27.0									1.0											MODEFIED TYPE D
F																												
TOTAL						535.7	1 058.3	458.5	175.0	10.0		2.0		5.0	6.0	1.0	1.0		1.0	2.0		1.0						

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID A. REID, P.E.
P.E. LICENSE NUMBER 38794
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OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 21

SUMMARY OF DRAINAGE STRUCTURES

Q T Y	STR. NO.	STATION	SIDE	DESCRIPTION	B R L S	SIZE STORM AND CROSS DRAIN OPTIONAL TYPE				CURB INLETS				MH		DITCH BOTTOM INLET		U TYPE END WALL		MITERED END SECTION								REMARK
						ROUND SHAPE				P-5		P-6		P-8		C	D											
						18"	24"	30"	36"	< 10'	> 10'	< 10'	> 10'	< 10'	> 10'	< 10'	< 10'	24"	30"	24"	30"	36"						
P	S-30	95+00	Rt.	INLET, PIPE	1	76				1.0																		
F																												
P	S-31	95+00	Lt.	INLET, PIPE	1	100.2				1.0																		
F																												
P	S-32	94+00.22	Rt.	INLET,PIPE	1	74.4				1.0																		
F																												
P	S-33	93+99.78	Lt.	INLET, PIPE	1	197				1.0																		
F																												
P	S-34	92+00	Rt.	INLET, PIPE	1	47				1.0																		
F																												
P	S-35	91+99.72	Lt.	INLET, PIPE	1	164					1.0																	
F																												
P	S-36	90+32.38	Lt.	INLET, PIPE	1	35				1.0																		
F																												
P	S-37	90+32.38	Lt.	INLET, PIPE	1		131.4			1.0																		
F																												
P	S-38	89+00	Rt.	INLET, PIPE	1	73.4				1.0																		
F																												
P	S-39	89+00	Lt.	INLET, PIPE	1		150.0			1.0																		
F																												
P	S-40	87+50	Rt.	INLET, PIPE	1	73.4				1.0																		
F																												
P	S-41	87+50	Lt.	INLET, PIPE	1		151.0			1.0																		
F																												
P	S-42	85+74.53	Rt.	INLET, PIPE	1	25				1.0																		
F																												
P	S-43	86+25.48	Rt.	INLET, PIPE	1	25				1.0																		
F																												
P	S-44	86+00.01	Rt.	INLET, PIPE	1	47						1.0																
F																												
P	S-45	85+75.15	Lt.	INLET, PIPE	1	25				1.0																		
F																												
P	S-46	86+24.84	Lt.	INLET, PIPE	1	25				1.0																		
F																												
P	S-47	86+00	Lt.	INLET, PIPE	1	30.4						1.0																
F																												
P	S-48	86+00	Lt.	MH, PIPE	1			153.3						1.0														
F																												
P	S-49	84+50	Rt.	INLET, PIPE	1	46.7				1.0																		
F																												
P	S-50	84+50	Lt.	INLET, PIPE	1	30.4				1.0																		
F																												
P	S-51	84+50	Lt.	MH, PIPE	1			254.3						1.0														
F																												
P	S-52	82+00	Lt.	INLET, PIPE	1	73.4				1.0																		
F																												
P	S-53	82+00	Rt.	INLET, PIPE	1			126.0		1.0																		
F																												
P	S-54	80+74	Rt.	INLET, PIPE	1	24				1.0																		
F																												
P	S-55	80+26	Rt.	INLET, PIPE	1			24.0		1.0																		
F																												
TOTAL						1 192.3	432.4	557.6		21.0	1.0	2.0		2.0														

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 22

SUMMARY OF DRAINAGE STRUCTURES

Q T Y	STR. NO.	STATION	SIDE	DESCRIPTION	B R L S	SIZE STORM AND CROSS DRAIN OPTIONAL TYPE				CURB INLETS				MH		DITCH BOTTOM INLET		U TYPE END WALL		MITERED END SECTION								REMARK
						ROUND SHAPE				P-5		P-6		P-8		C	D											
						18"	24"	30"	36"	< 10'	> 10'	< 10'	> 10'	< 10'	> 10'	< 10'	< 10'	24"	30"	24"	30"	36"						
P	S-56	80+50	Rt.	INLET, PIPE	1	73.4						1.0																
F																												
P	S-57	7-80+74.03	Lt.	INLET, PIPE	1			24.0		1.0																		
F																												
P	S-58	80+50	Lt.	INLET, PIPE	1			24.0				1.0																
F																												
P	S-59	80+26	Lt.	INLET, PIPE	1			126.0		1.0																		
F																												
P	S-60	79+00	Rt.	INLET, PIPE	1	73.4				1.0																		
F																												
P	S-61	79+00	Lt.	INLET, PIPE	1				300.0	1.0																		
F																												
P	S-62	76+00	Rt.	INLET, PIPE	1	73.4				1.0																		
F																												
P	S-63	76+00	Lt.	INLET, PIPE	1				126.0		1.0																	
F																												
P	S-64	74+26	Rt.	INLET, PIPE	1	24				1.0																		
F																												
P	S-65	74+74	Rt.	INLET, PIPE	1	24				1.0																		
F																												
P	S-66	74+50	Rt.	INLET, PIPE	1	73.4						1.0																
F																												
P	S-67	74+26	Lt.	INLET, PIPE	1	24				1.0																		
F																												
P	S-68	74+74.03	Lt.	INLET, PIPE	1				24.0		1.0																	
F																												
P	S-69	74+50	Lt.	INLET, PIPE, MES	1				103.2				1.0										1.0					
F																												
P	CD-2A	75+87.05	Lt.	MES, PIPE	1			50.4														1.0						
F																												
P	CD-2B	75+87.05	Lt.	MH, PIPE, MES	1			181.3							1.0							1.0						
F																												
P	CD-3A	84+00.04	Lt.	MES, PIPE	1		30.0														1.0							
F																												
P	CD-3B	83+00.03	Lt.	MH, PIPE, EW	1		174.0								1.0			1.0										
F																												
P	CD-4A	91+51.63	Lt.	INLET, PIPE	1		114.2										1.0											
F																												
P	CD-4B	90+30.25	Lt.	INLET, PIPE	1		43										1.0											
F																												
P	CD-4C	90+31.21	Lt.	MH, PIPE	1		355								1.0													
F																												
P	CD-4D	86+75.00	Lt.	MH, PIPE, EW	1		172								1.0			1.0										
F																												
P																												
F																												
TOTAL						365.6	888.2	405.7	553.2	8.0	2.0	3.0	1.0		4.0		2.0	2.0		1.0	2.0	1.0						
	DRAINAGE STRUCTURE SUMMARY SHEET 1 TOTAL:					535.7	1058.3	458.5	175	10.0		2.0		5.0	6.0	1.0	1.0		1.0	2.0		1.0						
	DRAINAGE STRUCTURE SUMMARY SHEET 2 TOTAL:					1192	432.4	557.6		21.0	1.0	2.0		2.0														
	GRAND TOTALS -		PLAN QUANTITY			2093.6	2378.9	1421.8	728.2	39.0	3.0	7.0	1.0	7.0	10.0	1.0	3.0	2.0	1.0	3.0	2.0	2.0						
			FINAL QUANTITY																									

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 23

STRUCTURE TABLE

QTY	STR. #	STATION	SIDE	DESCRIPTION	CONNECTED PIPE
P	S-10	67+70.17	R	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-11	67+69.85	L	CURB INLET TYPE 5 (LEFT) PER FDOT INDEX NO. 425-021	18" RCP 18" RCP
P	S-12	69+24.58	R	CURB INLET TYPE 5 (LEFT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-13	68+75.52	R	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-14	69+00.00	R	TYPE 6 PER FDOT INDEX NO. 425-021	18" RCP 18" RCP 18" RCP
P	S-15	69+23.81	L	CURB INLET TYPE 5 (LEFT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-16	68+76.16	L	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-17	69+00.00	L	TYPE 6 PER FDOT INDEX NO. 425-021	18" RCP 18" RCP 18" RCP 18" RCP
P	S-18	69+00.00	L	TYPE 8 MH PER FDOT INDEX NO. 425-001	24" RCP 18" RCP 18" RCP
P	S-19	70+50.00	R	CURB INLET TYPE 5 (LEFT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-20	70+50.00	L	CURB INLET TYPE 5 (LEFT) PER FDOT INDEX NO. 425-021	18" RCP 18" RCP
P	S-21	70+50.00	L	TYPE 8 MH PER FDOT INDEX NO. 425-001	24" RCP 18" RCP 24" RCP
P	S-22	73+00.00	R	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-23	73+00.00	L	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	18" RCP 18" RCP
P	S-24	73+00.00	L	TYPE 8 MH PER FDOT INDEX NO. 425-001	24" RCP 24" RCP 18" RCP
P	S-25	73+32.32	L	24" MES PER FDOT INDEX NO. 430-021 (1:4)	24" RCP

STRUCTURE TABLE

QTY	STR. #	STATION	SIDE	DESCRIPTION	CONNECTED PIPE
P	OCS	65+61.33	L	EX. CONTROL STRUCTURE (EGR) MODIFIED TYPE E	36" RCP
P	OCS-A	65+90.53	L	TYPE 8 MH PER FDOT INDEX NO. 425-001	36" RCP 36" RCP
P	OCS-B	65+91.16	R	CD 36" MES PER FDOT INDEX NO. 430-021 (1:4)	36" RCP

STRUCTURE TABLE

QTY	STR. #	STATION	SIDE	DESCRIPTION	CONNECTED PIPE
P	S-30	95+00.00	R	CURB INLET TYPE 5 (LEFT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-31	95+00.00	L	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	18" RCP 18" RCP
P	S-32	94+00.22	R	CURB INLET TYPE 5 (LEFT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-33	93+99.78	L	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	18" RCP 18" RCP 18" RCP
P	S-34	92+00.00	R	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-35	91+99.72	L	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	18" RCP 18" RCP 18" RCP
P	S-36	90+32.38	L	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-37	90+32.38	L	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	24" RCP 18" RCP 18" RCP
P	S-38	89+00.00	R	CURB INLET TYPE 5 (LEFT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-39	89+00.00	L	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	24" RCP 18" RCP 24" RCP
P	S-40	87+50.00	R	CURB INLET TYPE 5 (LEFT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-41	87+50.00	L	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	24" RCP 18" RCP 24" RCP
P	S-42	85+74.53	R	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-43	86+25.48	R	CURB INLET TYPE 5 (LEFT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-44	86+00.01	R	TYPE 6 PER FDOT INDEX NO. 425-021	18" RCP 18" RCP 18" RCP
P	S-45	85+75.15	L	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-46	86+24.84	L	CURB INLET TYPE 5 (LEFT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-47	86+00.00	L	TYPE 6 PER FDOT INDEX NO. 425-021	18" RCP 18" RCP 18" RCP 18" RCP
P	S-48	86+00.00	L	TYPE 8 MH PER FDOT INDEX NO. 425-001	30" RCP 24" RCP 18" RCP
P	S-49	84+50.00	R	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-50	84+50.00	L	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	18" RCP 18" RCP

QTY	STR. #	STATION	SIDE	DESCRIPTION	CONNECTED PIPE
P	S-51	84+50.00	L	TYPE 8 MH PER FDOT INDEX NO. 425-001	30" RCP 30" RCP 18" RCP
P	S-52	82+00.00	R	CURB INLET TYPE 5 (LEFT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-53	82+00.00	L	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	30" RCP 18" RCP 30" RCP
P	S-54	80+74.00	R	CURB INLET TYPE 5 (LEFT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-55	80+26.00	R	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-56	80+50.00	R	TYPE 6 PER FDOT INDEX NO. 425-021	18" RCP 18" RCP 18" RCP
P	S-57	80+74.03	L	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	30" RCP 30" RCP
P	S-58	80+50.00	L	TYPE 6 PER FDOT INDEX NO. 425-021	30" RCP 30" RCP 18" RCP
P	S-59	80+26.00	L	CURB INLET TYPE 5 (LEFT) PER FDOT INDEX NO. 425-021	30" RCP 30" RCP
P	S-60	79+00.00	R	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-61	79+00.00	L	CURB INLET TYPE 5 (LEFT) PER FDOT INDEX NO. 425-021	36" RCP 30" RCP 18" RCP
P	S-62	76+00.00	R	CURB INLET TYPE 5 (LEFT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-63	76+00.00	L	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	36" RCP 36" RCP 18" RCP
P	S-64	74+26.00	R	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-65	74+74.00	R	CURB INLET TYPE 5 (LEFT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-66	74+50.00	R	TYPE 6 PER FDOT INDEX NO. 425-021	18" RCP 18" RCP 18" RCP
P	S-67	74+26.00	L	CURB INLET TYPE 5 (LEFT) PER FDOT INDEX NO. 425-021	18" RCP
P	S-68	74+74.03	L	CURB INLET TYPE 5 (RIGHT) PER FDOT INDEX NO. 425-021	36" RCP 36" RCP
P	S-69	74+50.00	L	TYPE 6 PER FDOT INDEX NO. 425-021	36" RCP 18" RCP 18" RCP 36" RCP
P	S-70	74+23.70	L	36" MES PER FDOT INDEX NO. 430-021 (1:4)	36" RCP

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

DRAINAGE TABLES

SHEET NO. 24

STRUCTURE TABLE

QTY	STR. #	STATION	SIDE	DESCRIPTION	CONNECTED PIPE
P	CD-1A	71+99.88	L	CD 24" MES (1:4) PER FDOT INDEX NO. 430-021	24" RCP
P	CD-1B	69+99.77	L	TYPE C DBI PER FDOT INDEX NO. 425-052 (SINGLE SLOT)	24" RCP
P	CD-1C	69+00.00	L	TYPE 8 MH PER FDOT INDEX NO. 425-001	24" RCP 24" RCP
P	CD-1D	69+00.00	L	TYPE 8 MH PER FDOT INDEX NO. 425-001	24" RCP 24" RCP
P	CD-1E	70+50.00	L	TYPE 8 MH PER FDOT INDEX NO. 425-001	24" RCP 24" RCP
P	CD-1F	72+00.00	L	TYPE 8 MH PER FDOT INDEX NO. 425-001	24" RCP 24" RCP 24" RCP
P	CD-1G	73+20.81	L	TYPE 8 MH PER FDOT INDEX NO. 425-001	30" RCP 30" RCP
P	CD-1H	72+49.66	L	TYPE 8 MH PER FDOT INDEX NO. 425-001	30" RCP 30" RCP
P	CD-1I	72+49.57	L	TYPE 8 MH PER FDOT INDEX NO. 425-001	30" RCP 30" RCP 24" RCP
P	CD-1J	72+49.38	R	30" U-TYPE ENDWALL PER FDOT INDEX NO. 430-011 (1:4)	30" RCP
P	CS-1	73+44.67	L	CONTROL STRUCTURE MODIFIED TYPE D DBI PER FDOT INDEX NO. 425-052	30" RCP

STRUCTURE TABLE

QTY	STR. #	STATION	SIDE	DESCRIPTION	CONNECTED PIPE
P	CD-2A	75+87.05	L	CD 30" MES PER FDOT INDEX NO. 430-021 (1:4)	30" RCP
P	CD-2B	75+87.03	L	TYPE 8 MH PER FDOT INDEX NO. 425-001	30" RCP 30" RCP
P	CD-2C	75+86.78	R	30" MES PER FDOT INDEX NO. 430-021 (1:4)	30" RCP

STRUCTURE TABLE

QTY	STR. #	STATION	SIDE	DESCRIPTION	CONNECTED PIPE
P	CD-3A	84+00.04	L	CD 24" MES PER FDOT INDEX NO. 430-021 (1:4)	24" RCP
P	CD-3B	84+00.03	L	TYPE 8 MH PER FDOT INDEX NO. 425-001	24" RCP 24" RCP
P	CD-3C	83+99.94	R	CD 24" U-TYPE CONCRETE ENDWALL W/ BAFFLES PER FDOT INDEX NO. 430-011 (1:4)	24" RCP

STRUCTURE TABLE

QTY	STR. #	STATION	SIDE	DESCRIPTION	CONNECTED PIPE
P	CD-4A	91+51.63	L	TYPE D DBI PER FDOT INDEX NO. 425-052 (SINGLE SLOT)	24" RCP
P	CD-4B	90+30.25	L	TYPE D DBI PER FDOT INDEX NO. 425-052 (SINGLE SLOT)	24" RCP 24" RCP
P	CD-4C	90+31.21	L	TYPE 8 MH PER FDOT INDEX NO. 425-001	24" RCP 24" RCP
P	CD-4D	86+75.00	L	TYPE 8 MH PER FDOT INDEX NO. 425-001	24" RCP 24" RCP
P	CD-4E	86+74.92	R	CD 24" U-TYPE CONCRETE ENDWALL W/ BAFFLES PER FDOT INDEX NO. 430-011 (1:4)	24" RCP

STORM PIPE DATA

PIPE RUN	LENGTH	DIA & TYPE	SLOPE
S-10 TO S-11	73'	18" RCP	0.30%
S-11 TO S-18	131'	18" RCP	0.30%
S-12 TO S-14	24'	18" RCP	0.30%
S-13 TO S-14	24'	18" RCP	0.30%
S-14 TO S-17	48'	18" RCP	0.30%
S-15 TO S-17	24'	18" RCP	0.30%
S-16 TO S-17	24'	18" RCP	0.30%
S-17 TO S-18	30'	18" RCP	0.30%
S-18 TO S-21	154'	24" RCP	0.30%
S-19 TO S-20	47'	18" RCP	0.30%
S-20 TO S-21	30'	18" RCP	0.30%
S-21 TO S-24	256'	24" RCP	0.30%
S-22 TO S-23	46'	18" RCP	0.30%
S-23 TO S-24	33'	18" RCP	0.30%
S-24 TO S-25	104'	24" RCP	0.30%

STORM PIPE DATA

PIPE RUN	LENGTH	DIA & TYPE	SLOPE
S-30 TO S-31	76'	18" RCP	0.30%
S-31 TO S-33	100'	18" RCP	0.30%
S-32 TO S-33	74'	18" RCP	0.30%
S-33 TO S-35	197'	18" RCP	0.30%
S-34 TO S-35	47'	18" RCP	0.30%
S-35 TO S-37	164'	18" RCP	0.20%
S-36 TO S-37	35'	18" RCP	0.30%
S-37 TO S-39	131'	24" RCP	0.20%
S-38 TO S-39	73'	18" RCP	0.30%
S-39 TO S-41	150'	24" RCP	0.20%
S-40 TO S-41	73'	18" RCP	0.30%
S-41 TO S-48	151'	24" RCP	0.20%
S-42 TO S-44	25'	18" RCP	0.30%
S-43 TO S-44	25'	18" RCP	0.30%
S-44 TO S-47	47'	18" RCP	0.30%
S-45 TO S-47	25'	18" RCP	0.30%
S-46 TO S-47	25'	18" RCP	0.30%
S-47 TO S-48	30'	18" RCP	0.30%
S-48 TO S-51	153'	30" RCP	0.20%
S-49 TO S-50	47'	18" RCP	0.30%

STORM PIPE DATA

PIPE RUN	LENGTH	DIA & TYPE	SLOPE
S-50 TO S-51	30'	18" RCP	0.30%
S-51 TO S-53	254'	30" RCP	0.20%
S-52 TO S-53	73'	18" RCP	0.30%
S-53 TO S-57	126'	30" RCP	0.20%
S-54 TO S-56	24'	18" RCP	0.30%
S-55 TO S-56	24'	18" RCP	0.30%
S-56 TO S-58	73'	18" RCP	0.30%
S-57 TO S-58	24'	30" RCP	0.20%
S-58 TO S-59	24'	30" RCP	0.20%
S-59 TO S-61	126'	30" RCP	0.20%
S-60 TO S-61	73'	18" RCP	0.30%
S-61 TO S-63	300'	36" RCP	0.20%
S-62 TO S-63	73'	18" RCP	0.30%
S-63 TO S-68	126'	36" RCP	0.20%
S-64 TO S-66	24'	18" RCP	0.30%
S-65 TO S-66	24'	18" RCP	0.30%
S-66 TO S-69	73'	18" RCP	0.30%
S-67 TO S-69	24'	18" RCP	0.30%
S-68 TO S-69	24'	36" RCP	0.20%
S-69 TO S-70	103'	36" RCP	0.30%

STORM PIPE DATA

PIPE RUN	LENGTH	DIA & TYPE	SLOPE
OCS-A TO OCS-B	175'	36" RCP	0.20%
OCS TO OCS-A	50'	36" RCP	2.35%

STORM PIPE DATA

PIPE RUN	LENGTH	DIA & TYPE	SLOPE
CD-1A TO CD-1F	46'	24" RCP	0.20%
CD-1B TO CD-1C	106'	24" RCP	0.20%
CD-1C TO CD-1D	28'	24" RCP	0.20%
CD-1D TO CD-1E	156'	24" RCP	0.20%
CD-1E TO CD-1F	156'	24" RCP	0.20%
CD-1F TO CD-1I	51'	24" RCP	0.20%
CD-1G TO CD-1H	160'	30" RCP	0.20%
CD-1H TO CD-1I	100'	30" RCP	0.20%
CD-1I TO CD-1J	171'	30" RCP	0.20%
CS-1 TO CD-1G	27'	30" RCP	0.20%

STORM PIPE DATA

PIPE RUN	LENGTH	DIA & TYPE	SLOPE
CD-2A TO CD-2B	50'	30" RCP	0.20%
CD-2B TO CD-2C	181'	30" RCP	0.20%

STORM PIPE DATA

PIPE RUN	LENGTH	DIA & TYPE	SLOPE
CD-3A TO CD-3B	30'	24" RCP	0.20%
CD-3B TO CD-3C	174'	24" RCP	0.20%

STORM PIPE DATA

PIPE RUN	LENGTH	DIA & TYPE	SLOPE
CD-4A TO CD-4B	114'	24" RCP	0.20%
CD-4B TO CD-4C	43'	24" RCP	0.20%
CD-4C TO CD-4D	355'	24" RCP	0.20%
CD-4D TO CD-4E	172'	24" RCP	0.20%

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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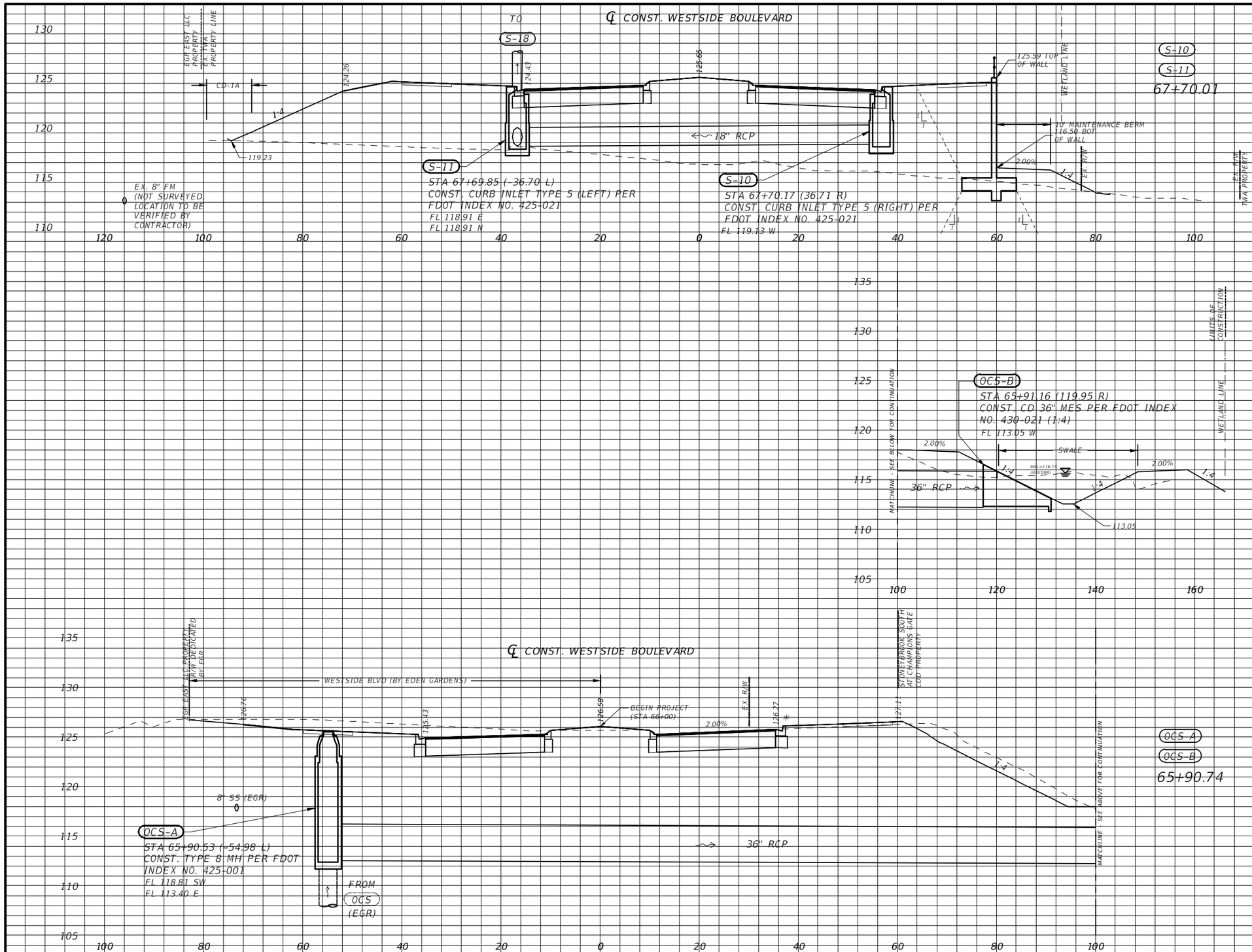
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

DRAINAGE TABLES

SHEET NO. 25



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
0.31	28.75	1089.39	2509.95
142.12	0.00	51.20	0.00
142.12	0.00	51.20	0.00

* TYPE F CURB WHEN USED ON HIGH SIDE OF ROADWAYS, MATCH THE CROSS SLOPE OF THE GUTTER TO THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP IS 6", UNLESS OTHERWISE SHOWN ON PLAN

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

REVISIONS			
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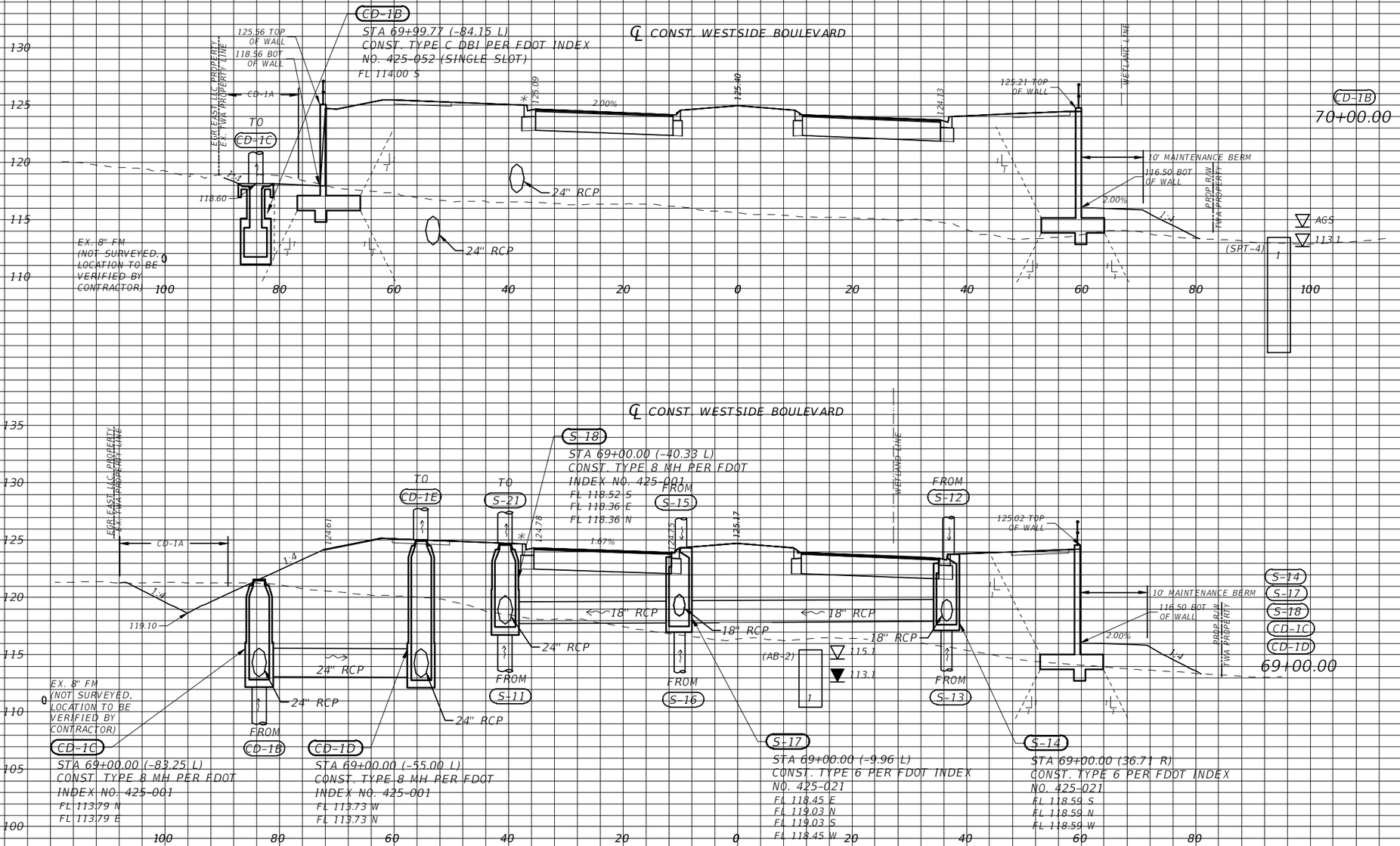
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

DRAINAGE STRUCTURES

SHEET NO. 26



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
10.23	37.00	1202.53	2059.83
28.80	70.07	988.99	5003.21

* TYPE F CURB WHEN USED ON HIGH SIDE OF ROADWAYS, MATCH THE CROSS SLOPE OF THE GUTTER TO THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP IS 6", UNLESS OTHERWISE SHOWN ON PLAN

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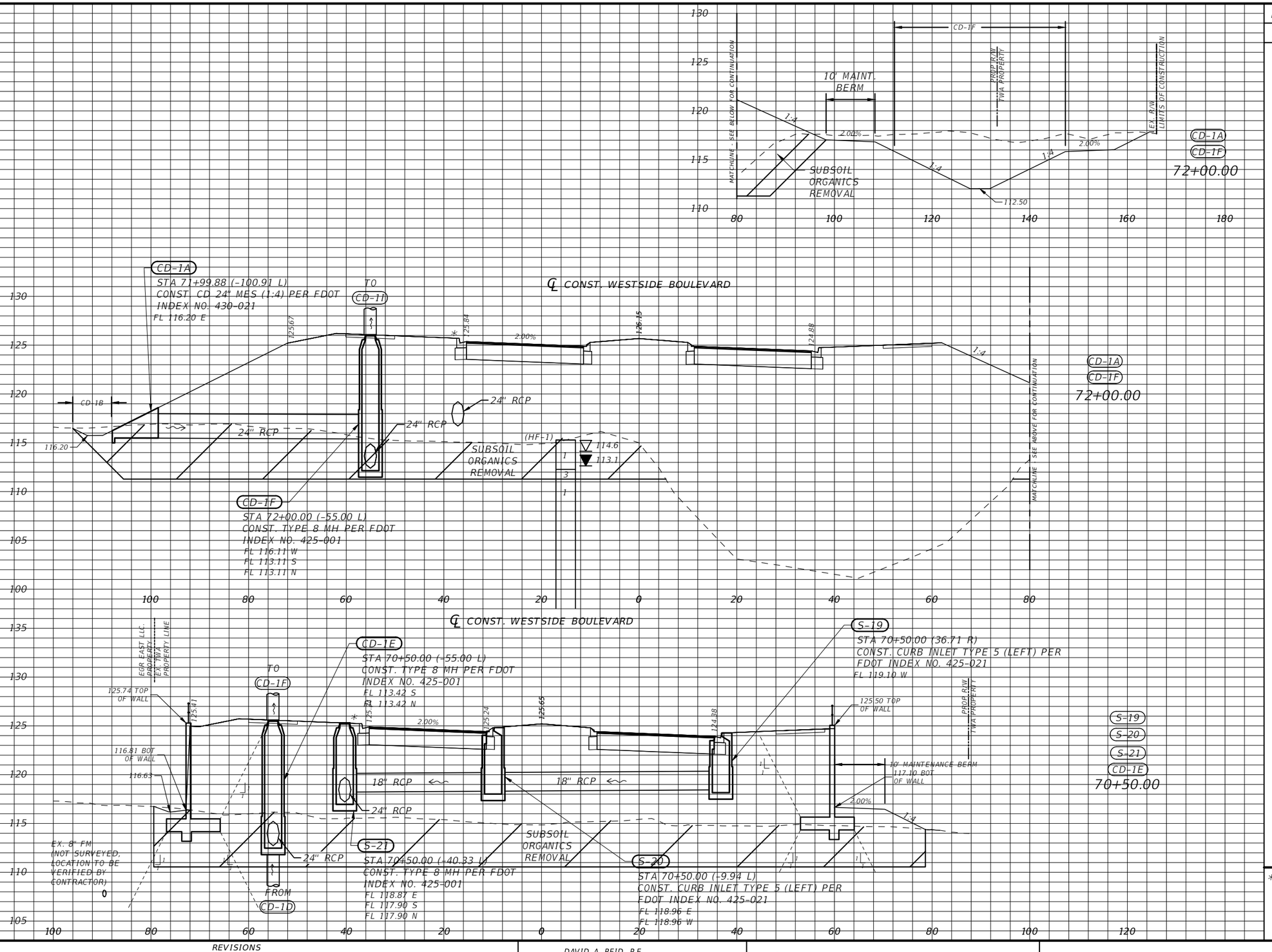
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

DRAINAGE STRUCTURES

SHEET NO. 27



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
166.93	143.96	2453.82	4550.95
166.93	143.96	2453.82	4550.95
1.65	90.12	1282.36	6315.59

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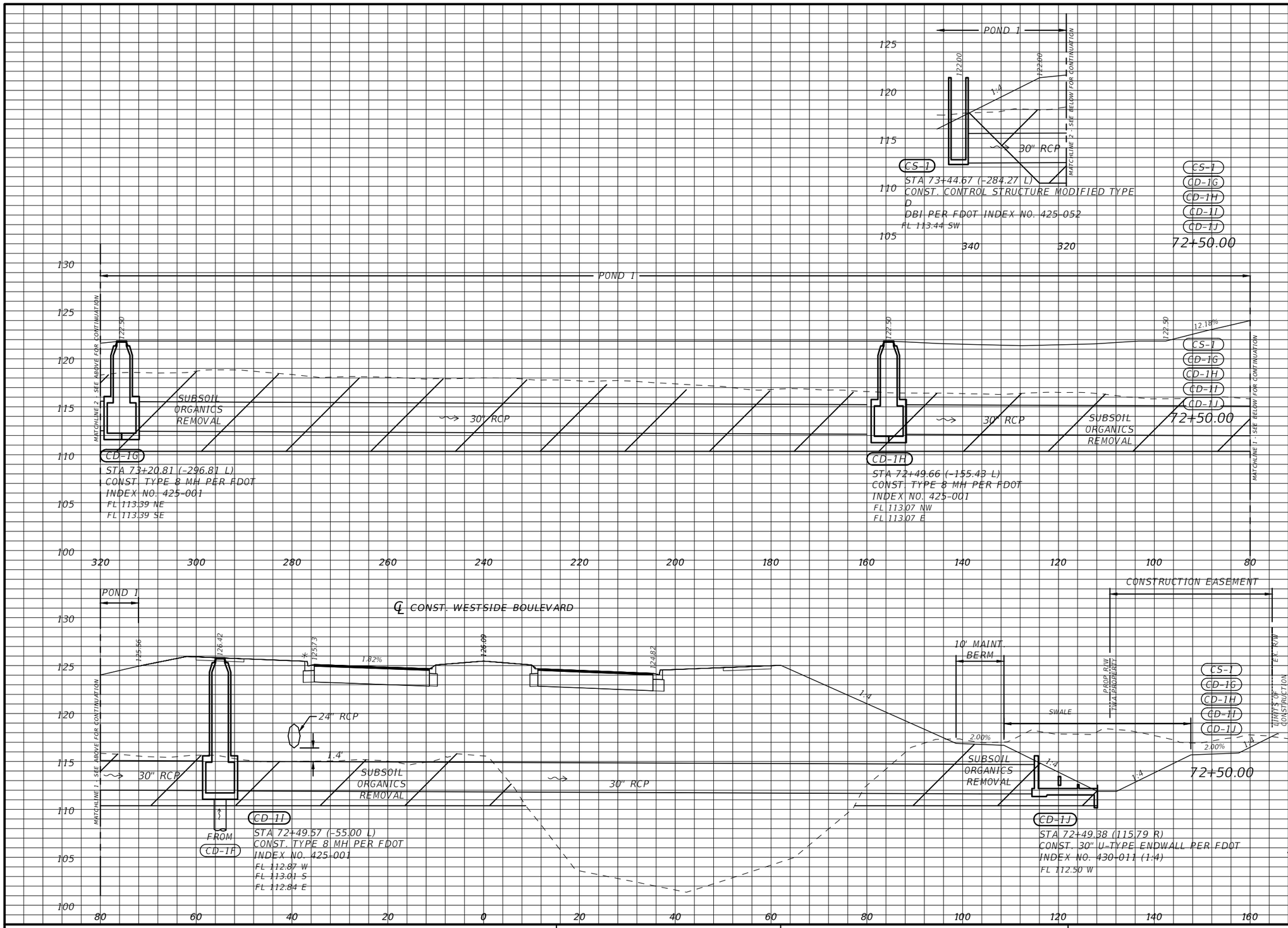
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

DRAINAGE STRUCTURES

SHEET NO. 28



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
184.32	632.61	3493.12	18171.99
184.32	632.61	3493.12	18171.99
184.32	632.61	3493.12	18171.99

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OSCEOLA COUNTY
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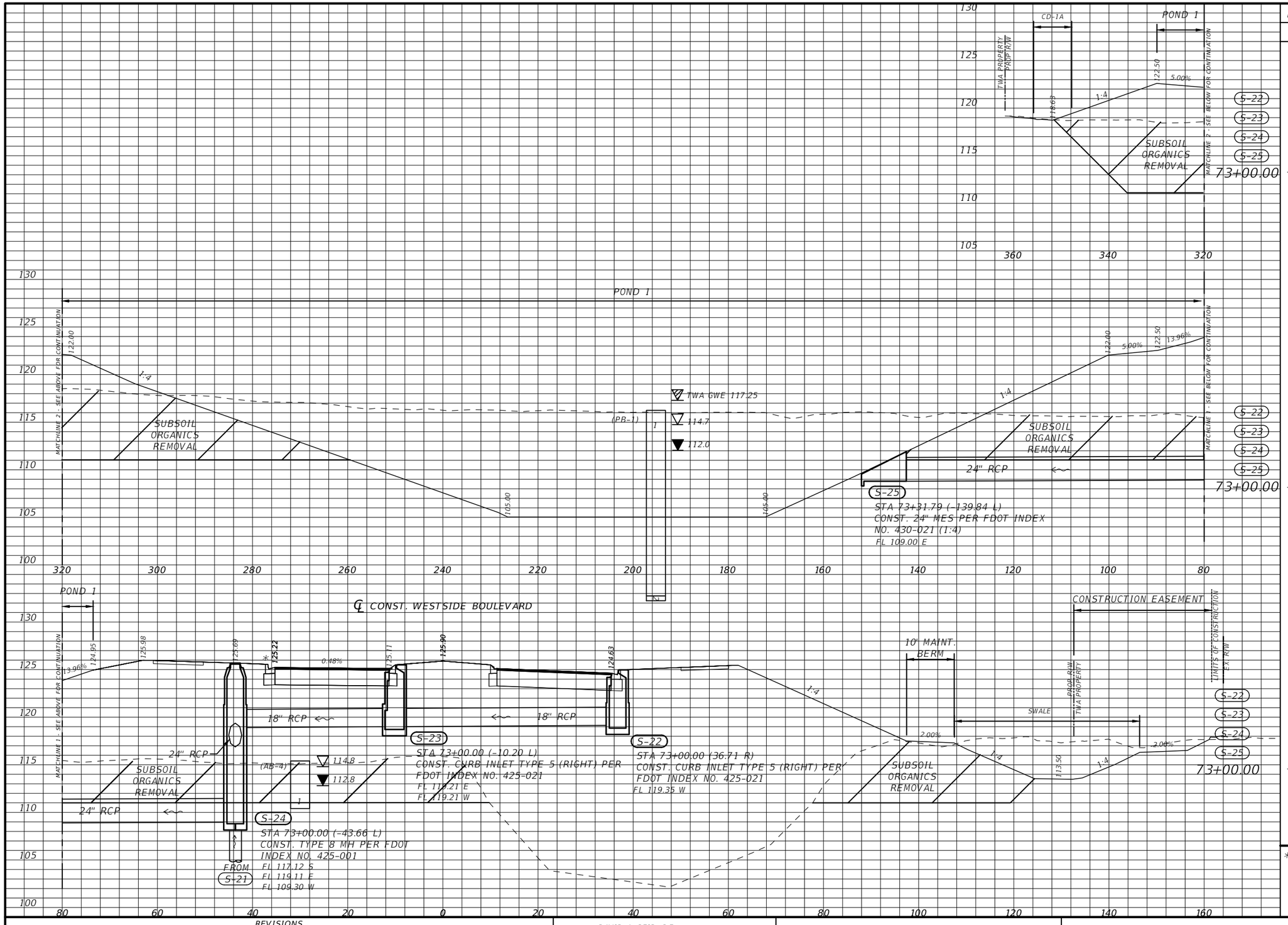
DRAINAGE STRUCTURES

SHEET NO. 29



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
307.80	453.99	2748.40	5235.97
307.80	453.99	2748.40	5235.97
307.80	453.99	2748.40	5235.97

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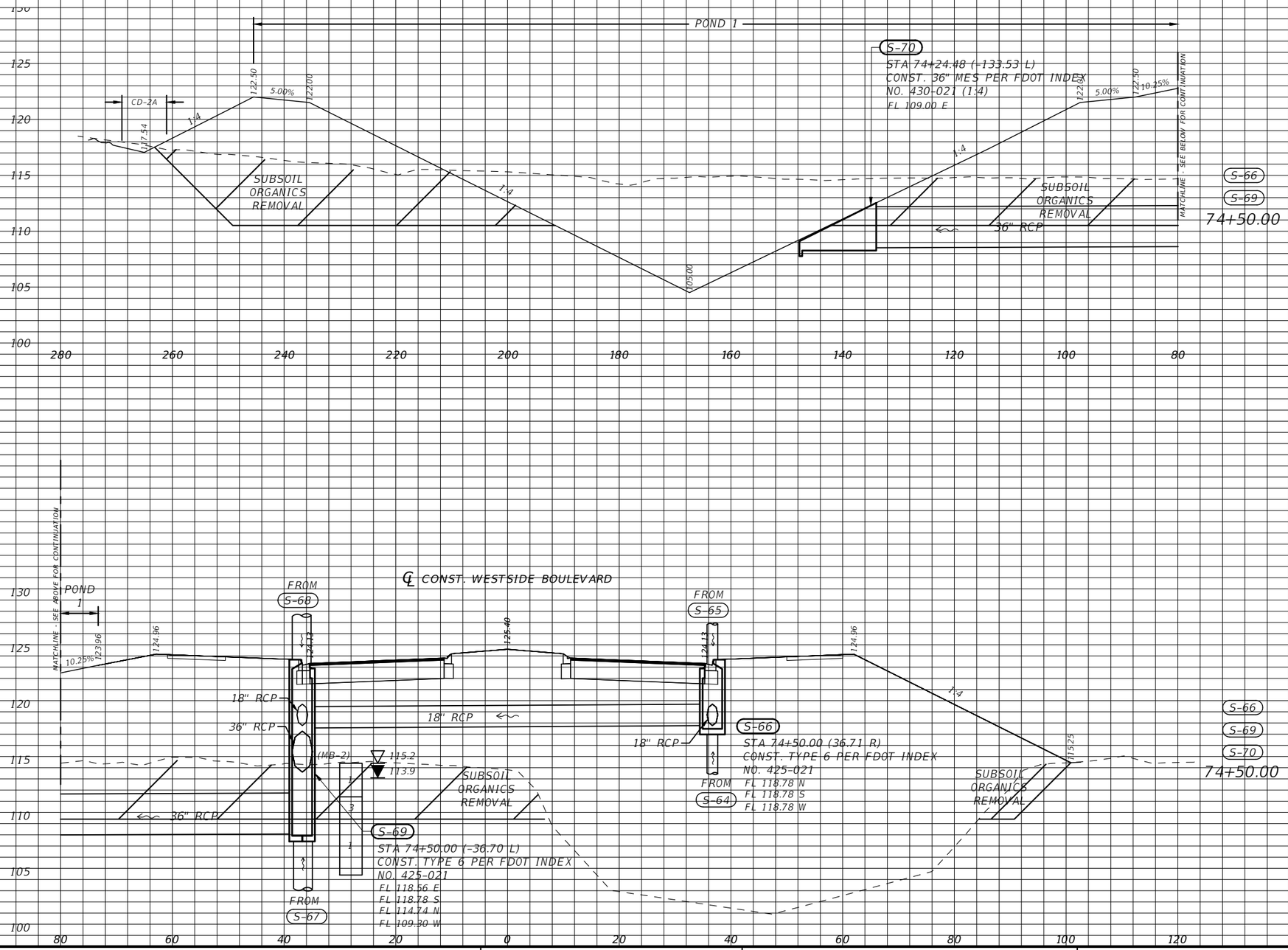
DRAINAGE STRUCTURES

SHEET NO. 30



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
152.64	809.90	2889.82	5217.94

* TYPE F CURB WHEN USED ON HIGH SIDE OF ROADWAYS, MATCH THE CROSS SLOPE OF THE GUTTER TO THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP IS 6", UNLESS OTHERWISE SHOWN ON PLAN

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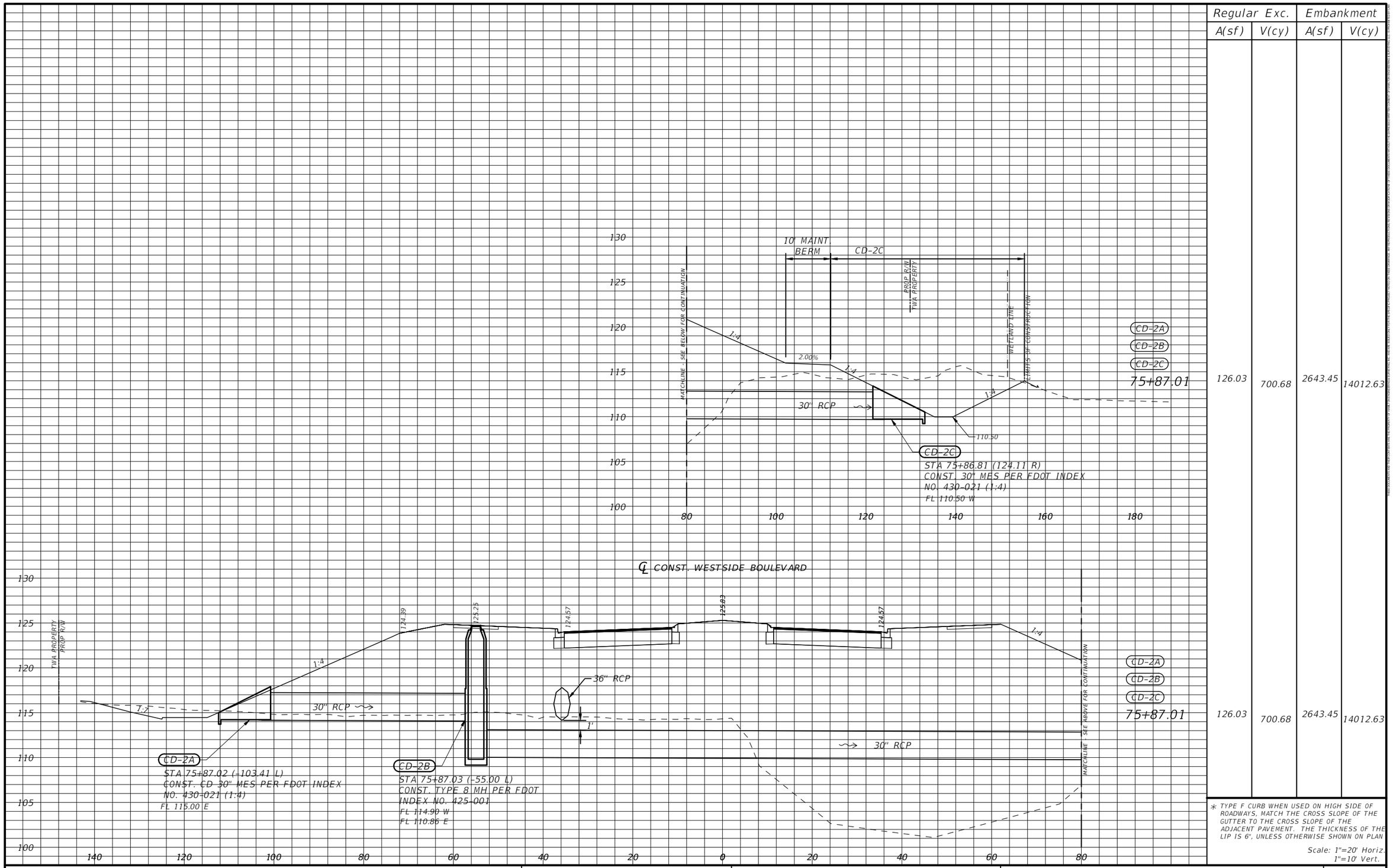
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

DRAINAGE STRUCTURES

SHEET NO. 31



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
126.03	700.68	2643.45	14012.63
126.03	700.68	2643.45	14012.63

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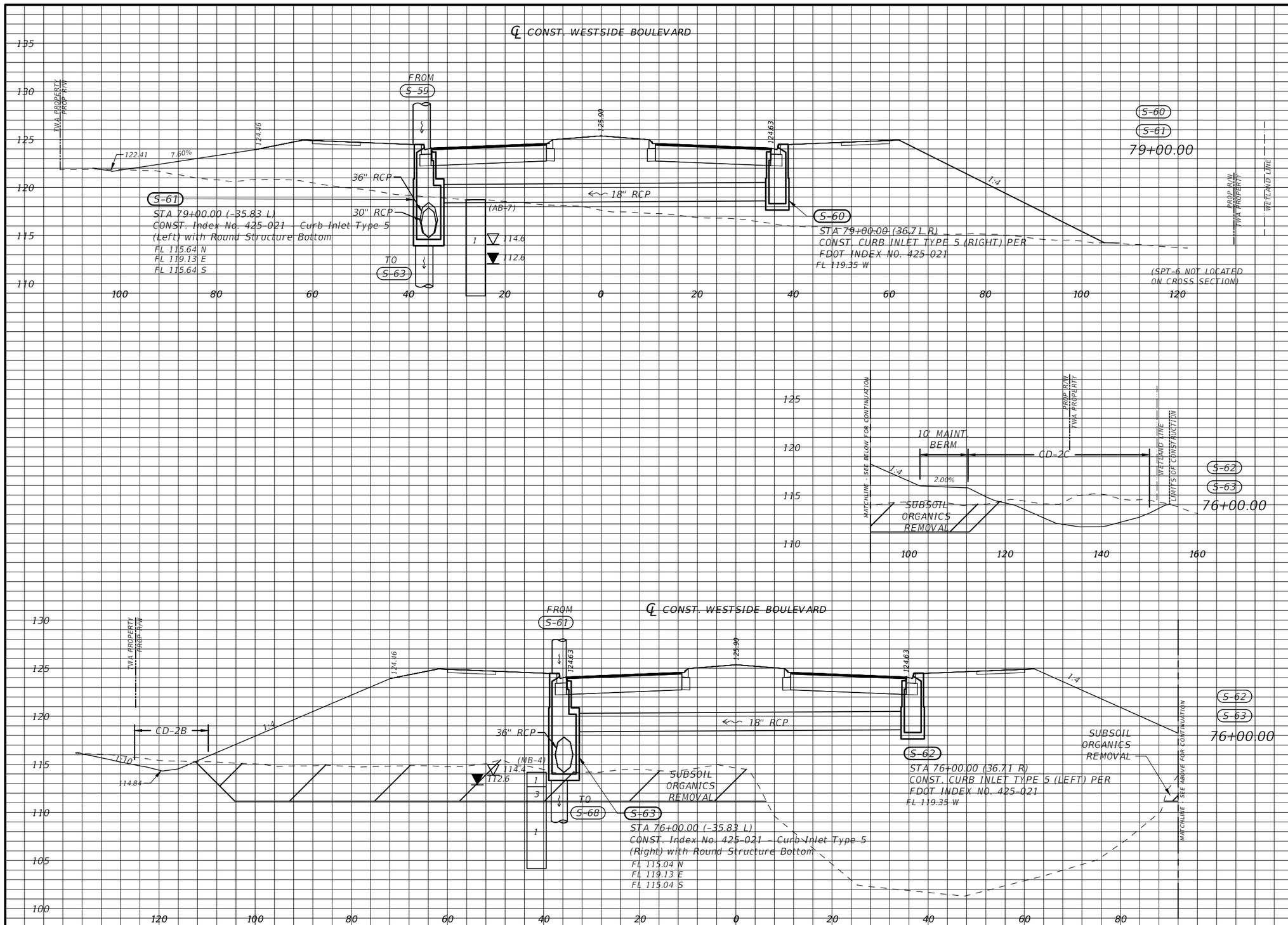
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

DRAINAGE STRUCTURES

SHEET NO. 32



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
0.52	448.14	1135.74	21040.58
80.14	49.61	2651.57	1274.13

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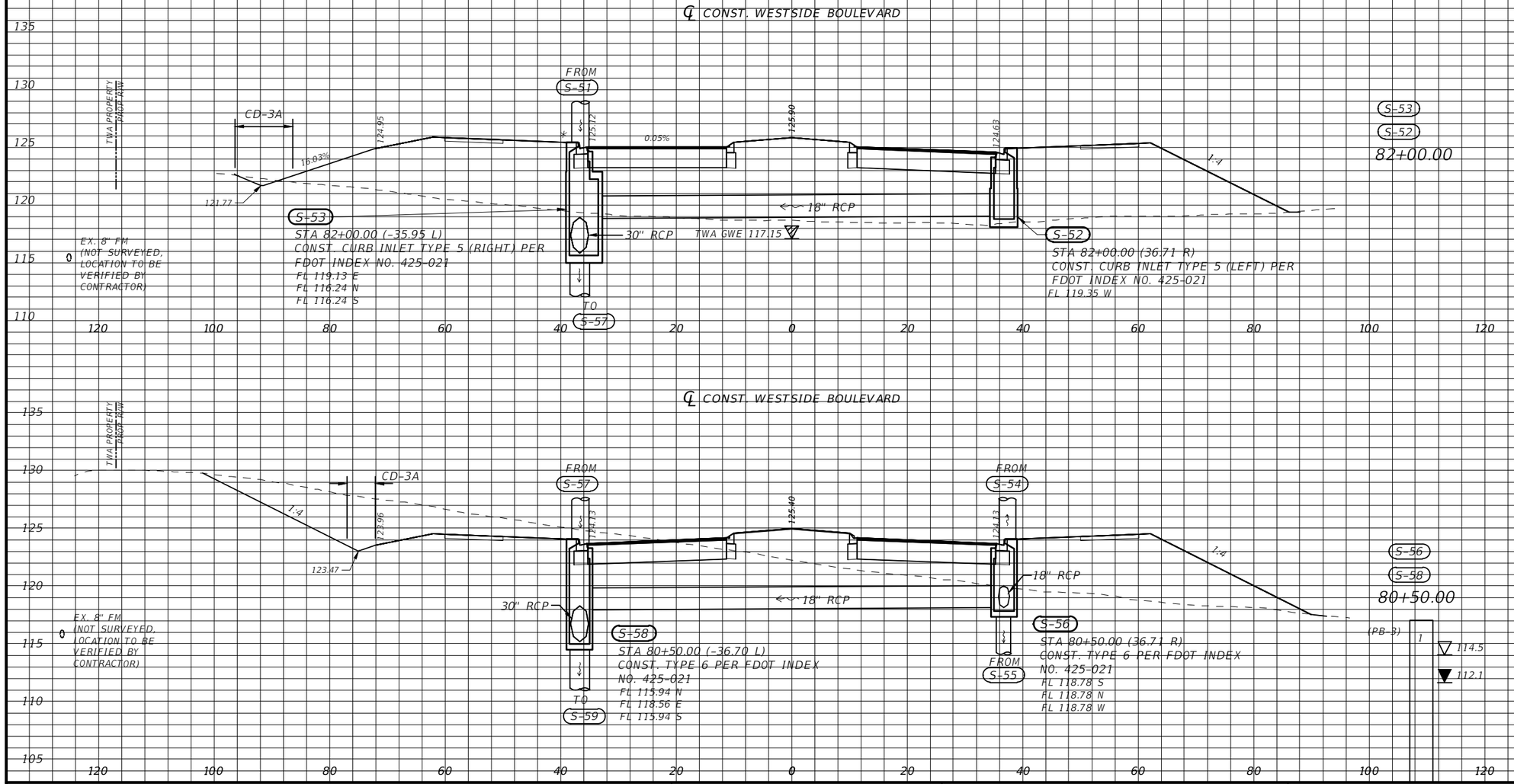
DRAINAGE STRUCTURES

SHEET NO. 33



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
2.28	450.13	925.01	3533.73
159.77	445.26	347.13	4119.09

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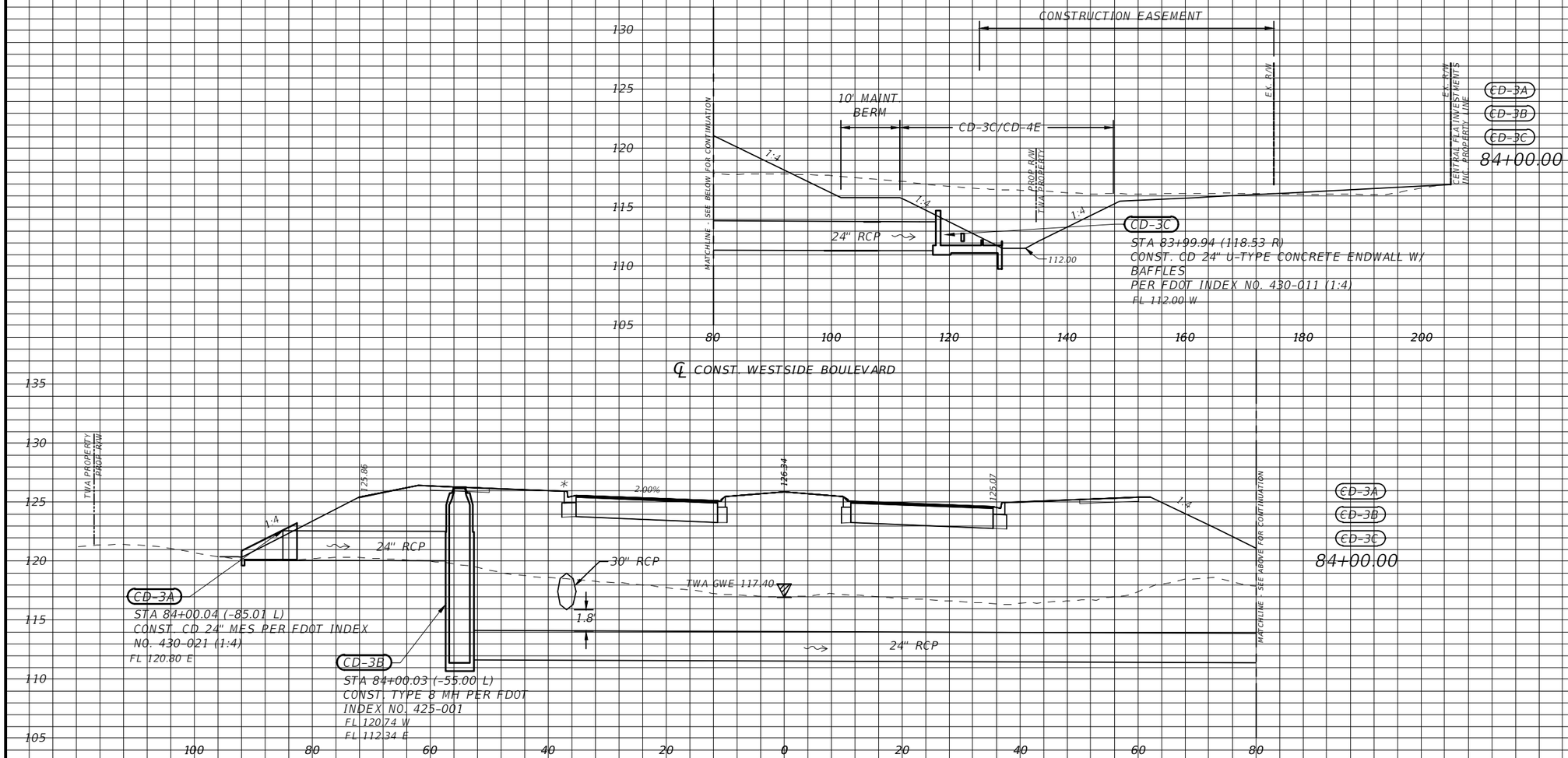
DRAINAGE STRUCTURES

SHEET NO. 34



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
147.84	525.92	1205.60	7882.72
147.84	525.92	1205.60	7882.72

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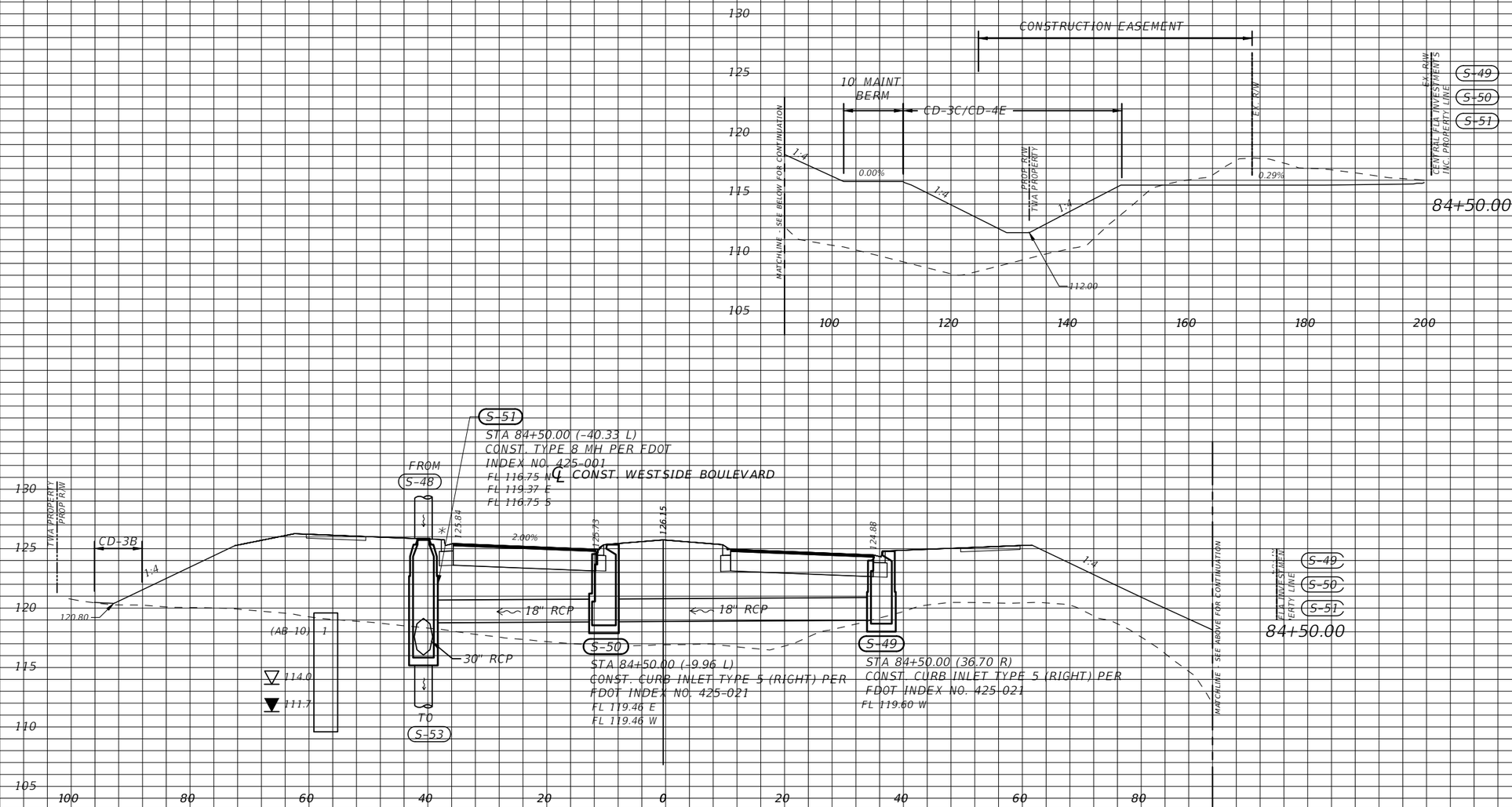
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

DRAINAGE STRUCTURES

SHEET NO. 35



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
50.02	168.94	1385.76	2382.25
50.02	168.94	1385.76	2382.25

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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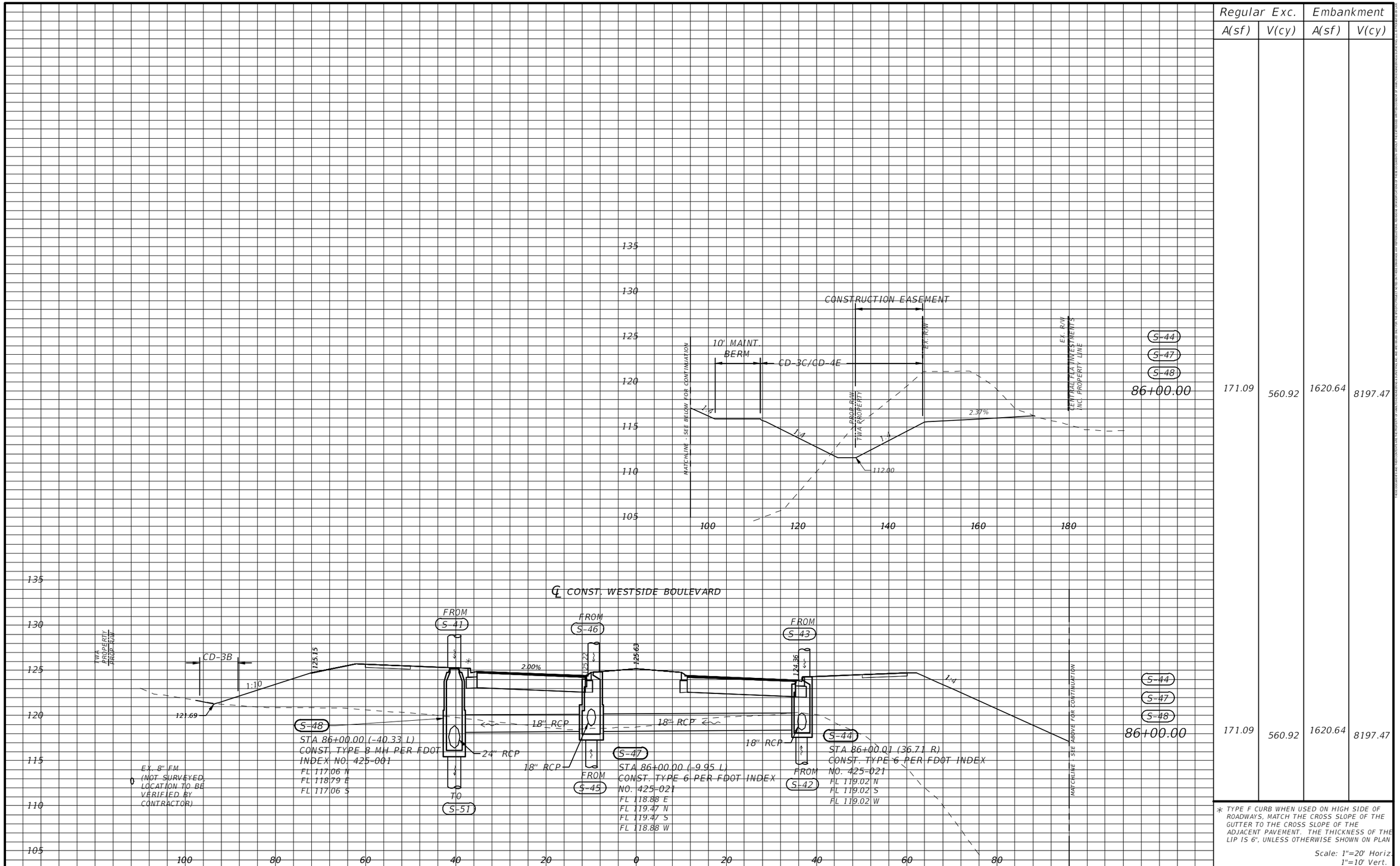
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

DRAINAGE STRUCTURES

SHEET NO. 36



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
171.09	560.92	1620.64	8197.47
171.09	560.92	1620.64	8197.47

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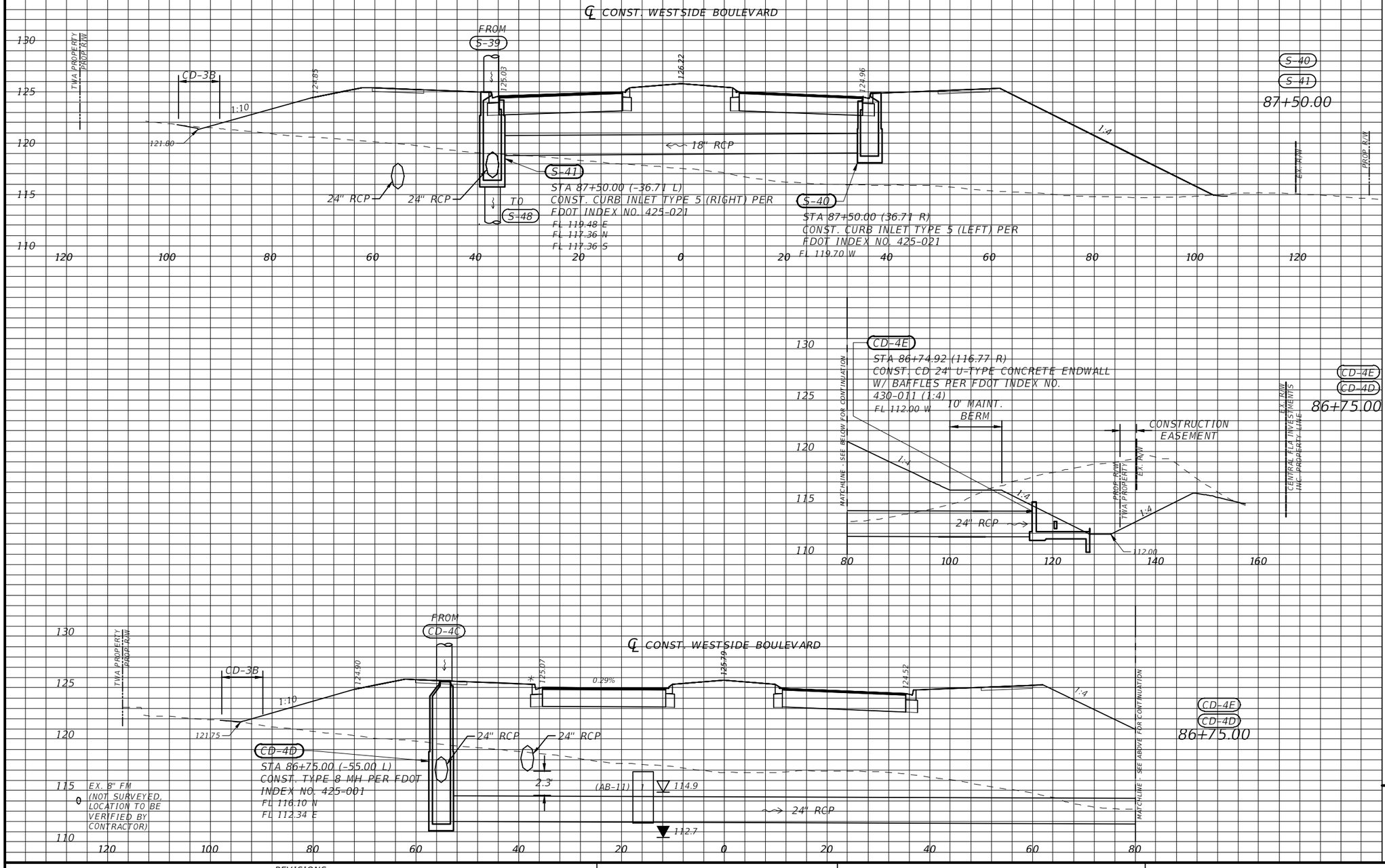
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

DRAINAGE STRUCTURES

SHEET NO. 37



	Regular Exc.		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)
87+50.00	0.83	251.44	1233.04	3580.27
86+75.00	180.21	465.90	1344.75	4078.93
86+75.00	180.21	465.90	1344.75	4078.93

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REVISIONS

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OSCEOLA COUNTY
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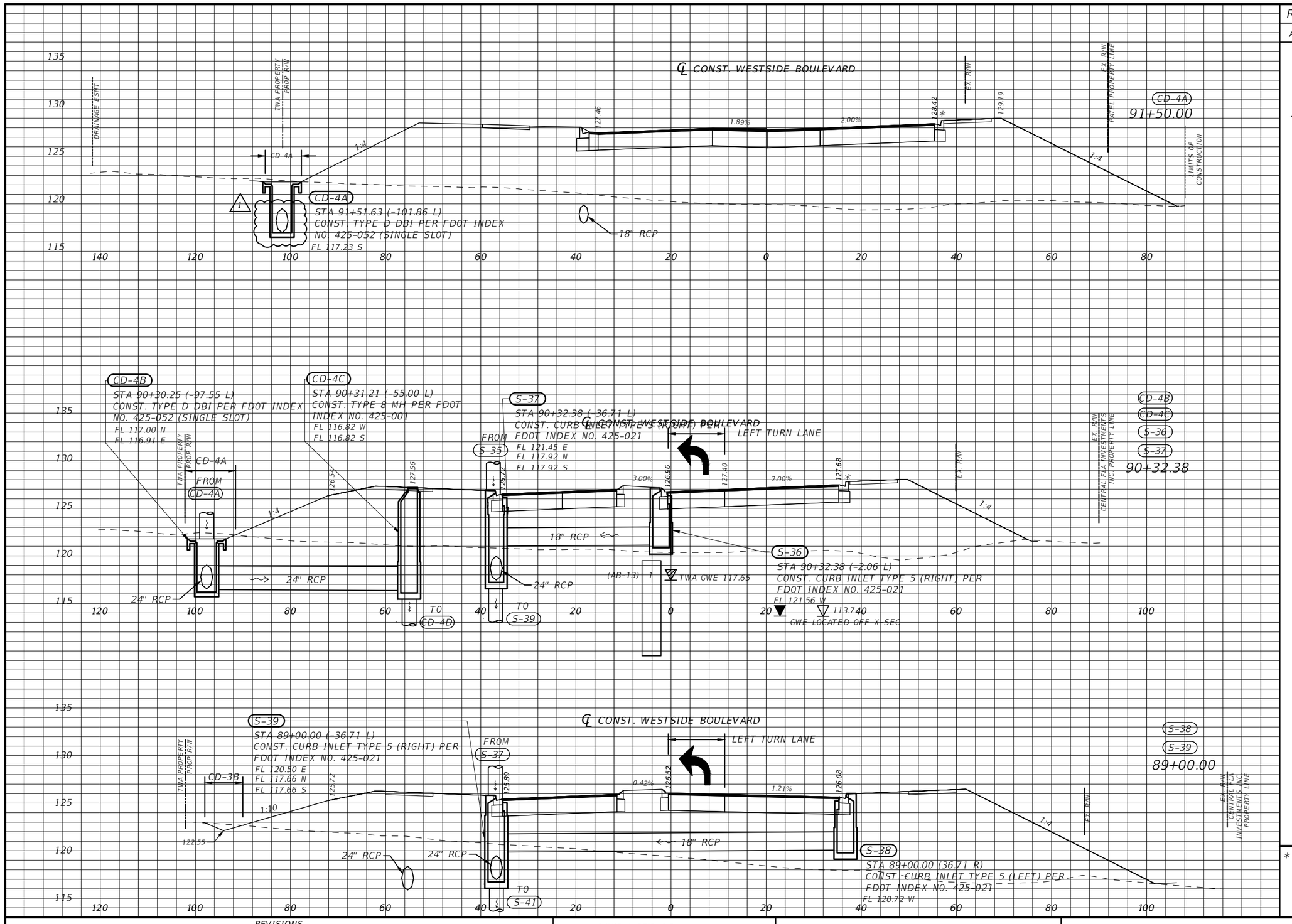
DRAINAGE STRUCTURES

SHEET NO. 38



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
2.17	0.99	1181.33	1220.52
5.62	20.00	941.27	4973.57
2.69	9.77	1085.31	6439.85

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
		01-04-2024	△ ADDED MISSING PIPE

DAVID A. REID, P.E.
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431 E. HORATIO AVE., SUITE 260
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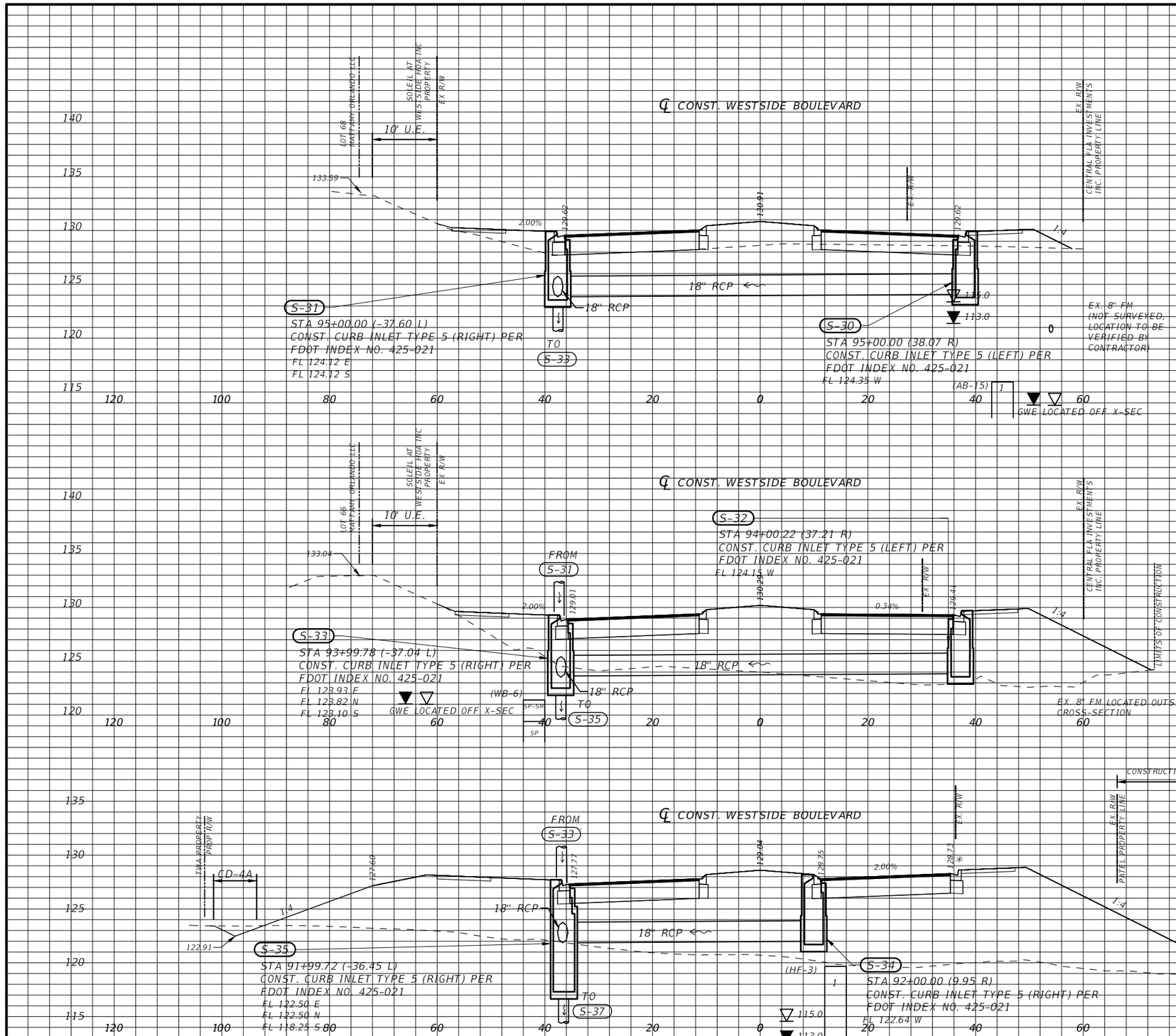
(407) 629-8330 EXT 150

OSCEOLA COUNTY
OSCEOLA COUNTY TRANSPORTATION AND TRANSIT DEPARTMENT

DRAINAGE STRUCTURES

SHEET NO. 39



	Regular Exc.		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)
	0.00	0.00	172.12	1510.20
	0.00	15.13	643.40	6340.46
	4.26	11.43	1063.34	5998.45

* TYPE F CURB WHEN USED ON HIGH SIDE OF ROADWAYS, MATCH THE CROSS SLOPE OF THE GUTTER TO THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP IS 6", UNLESS OTHERWISE SHOWN ON PLAN

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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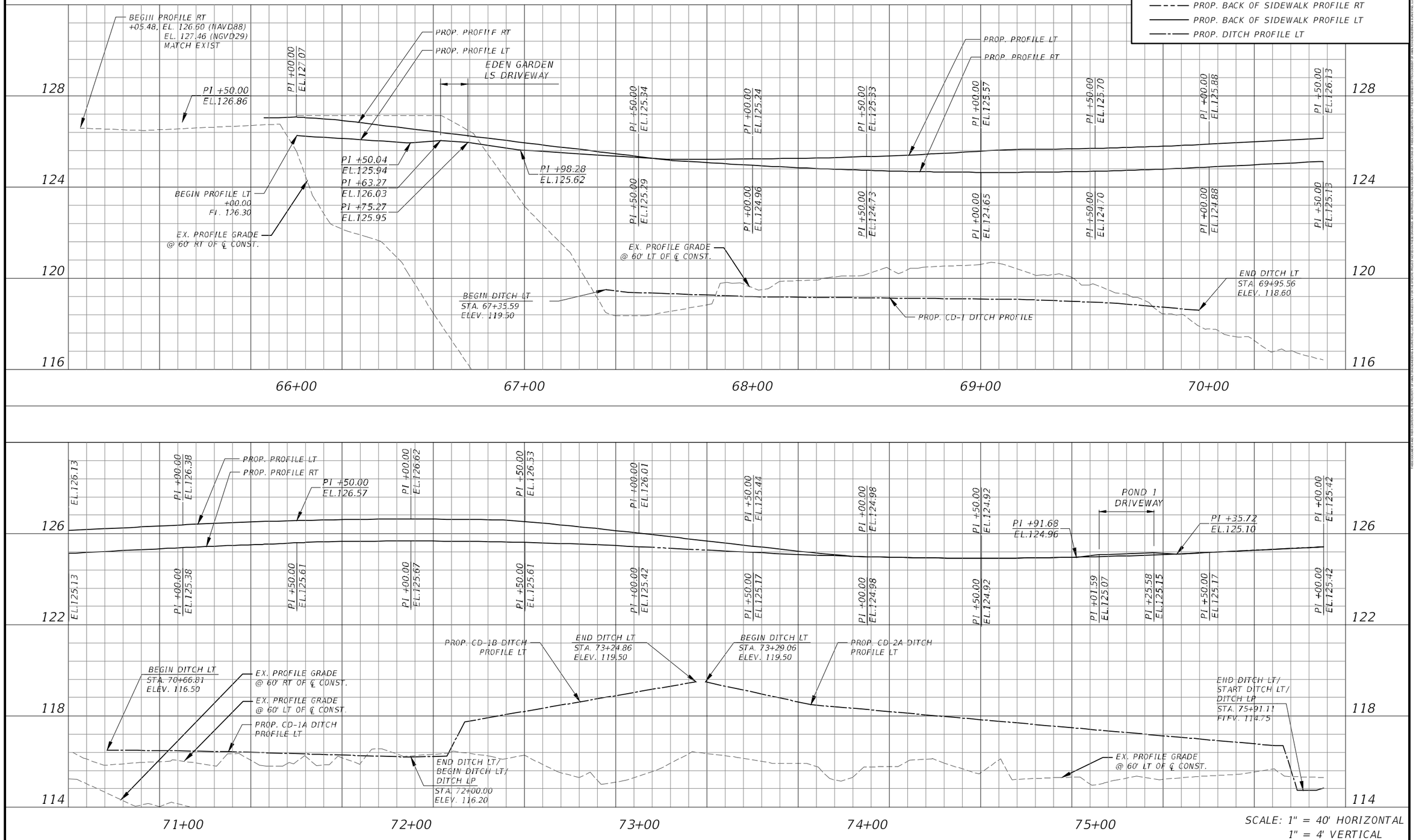
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

DRAINAGE STRUCTURES

SHEET NO. 40

LEGEND:
- EX. PROFILE GRADE @ 60' RT/LT OF ℄ CONST.
- PROP. BACK OF SIDEWALK PROFILE RT
- PROP. BACK OF SIDEWALK PROFILE LT
- PROP. DITCH PROFILE LT



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

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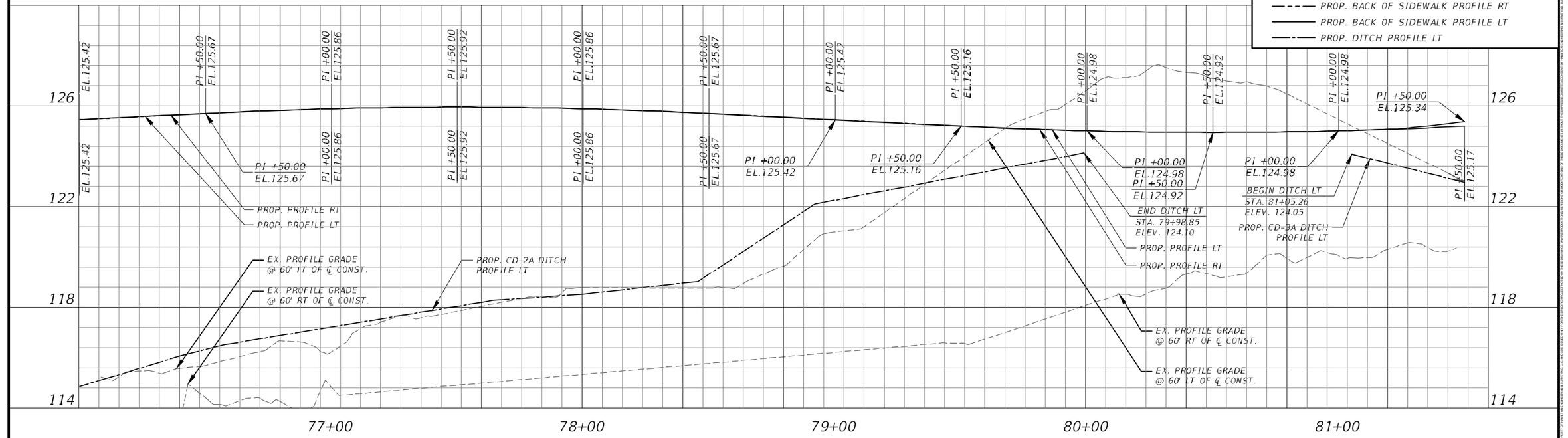
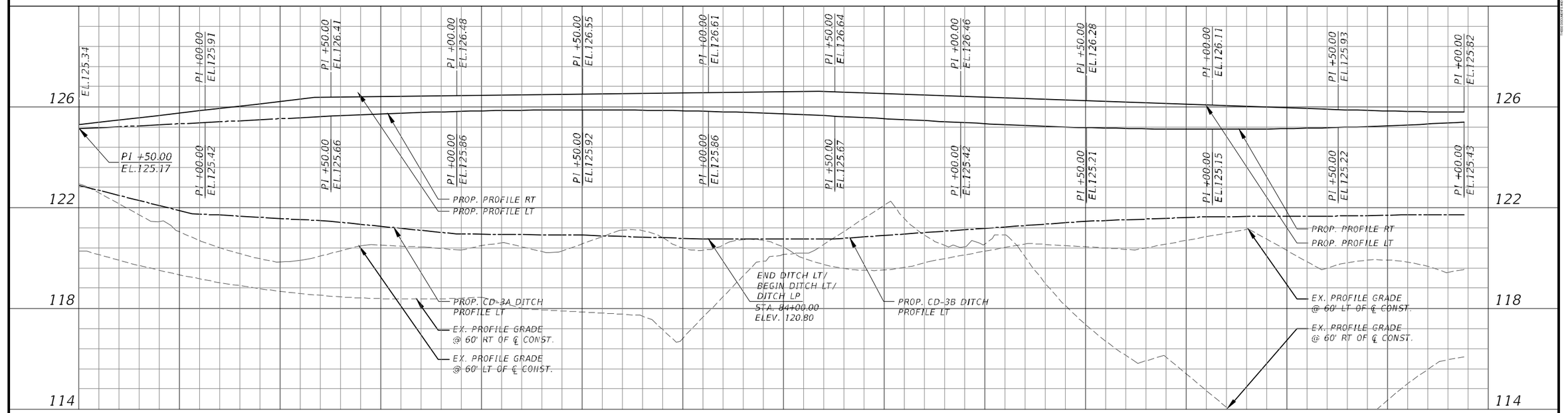
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

BACK-OF-SIDEWALK PROFILES

SHEET NO. 41

LEGEND:
- EX. PROFILE GRADE @ 60' RT/LT OF ℄ CONST.
- PROP. BACK OF SIDEWALK PROFILE RT
- PROP. BACK OF SIDEWALK PROFILE LT
- PROP. DITCH PROFILE LT





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

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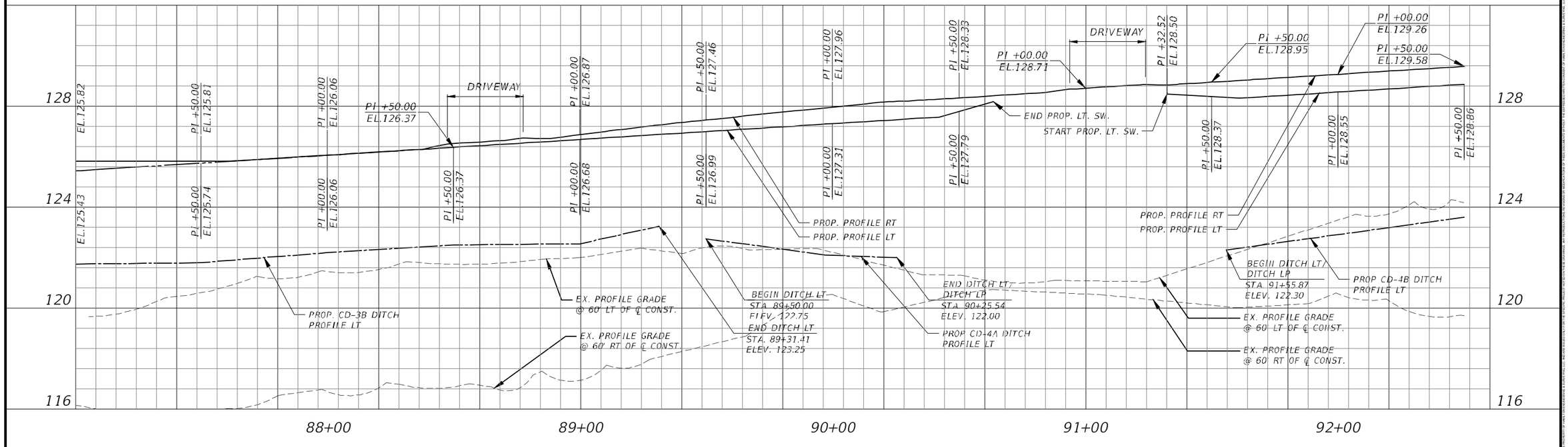
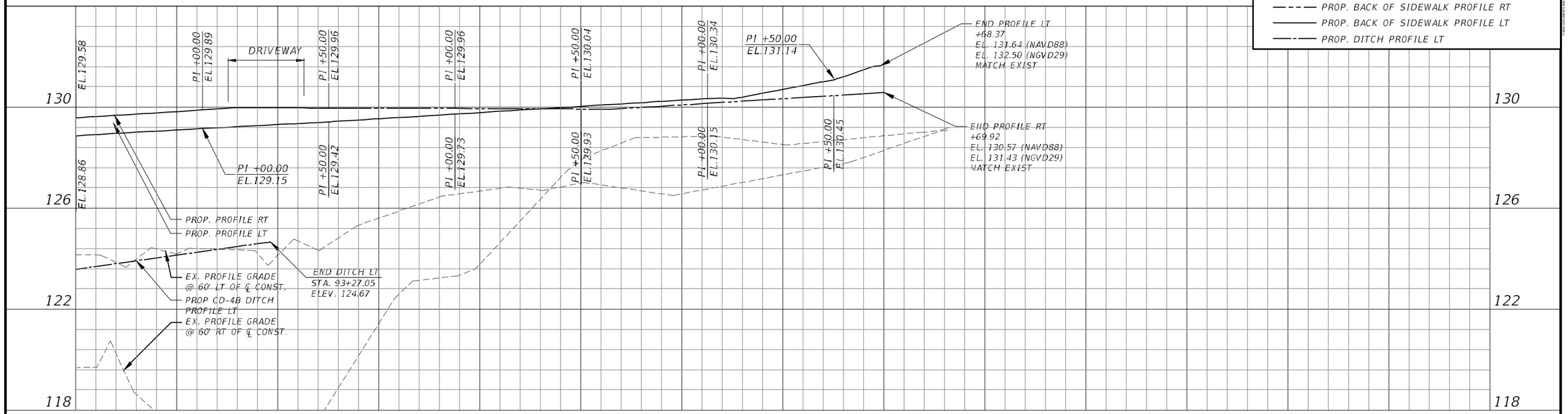
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

BACK-OF-SIDEWALK PROFILES

SHEET NO. 42





LEGEND:
- EX. PROFILE GRADE @ 60' RT/LT OF ℄ CONST.
- PROP. BACK OF SIDEWALK PROFILE RT
- PROP. BACK OF SIDEWALK PROFILE LT
- PROP. DITCH PROFILE LT

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

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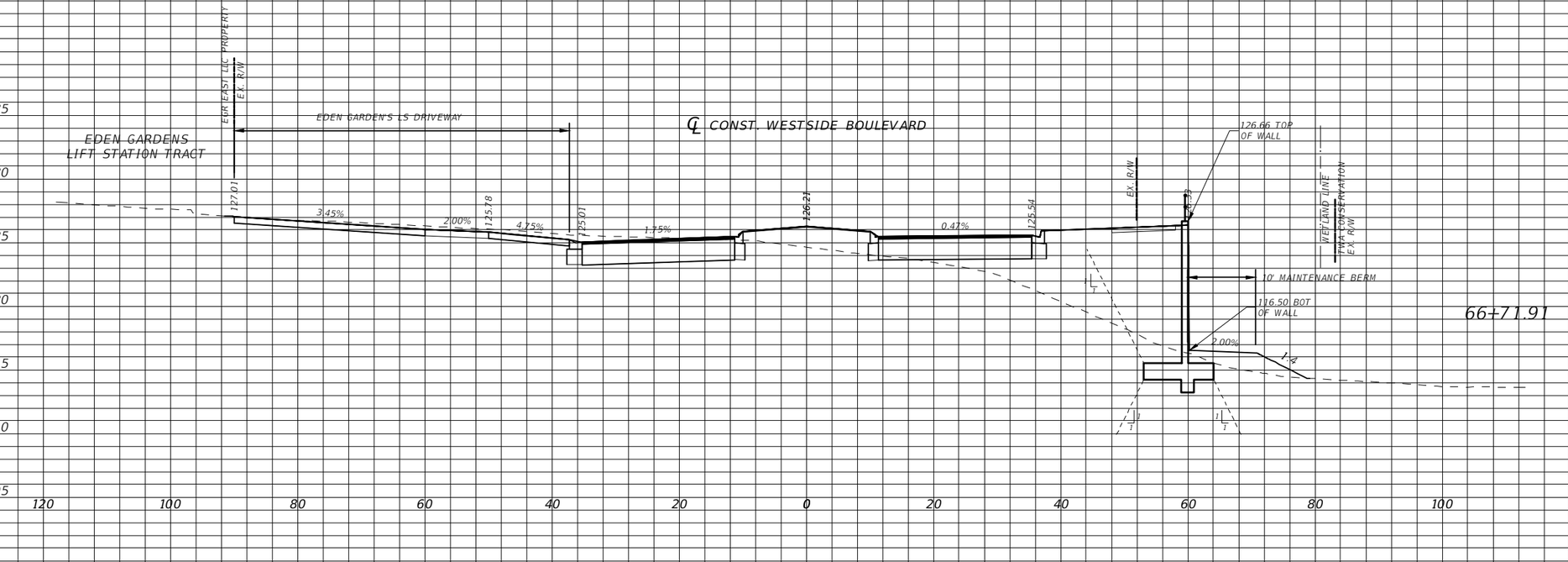
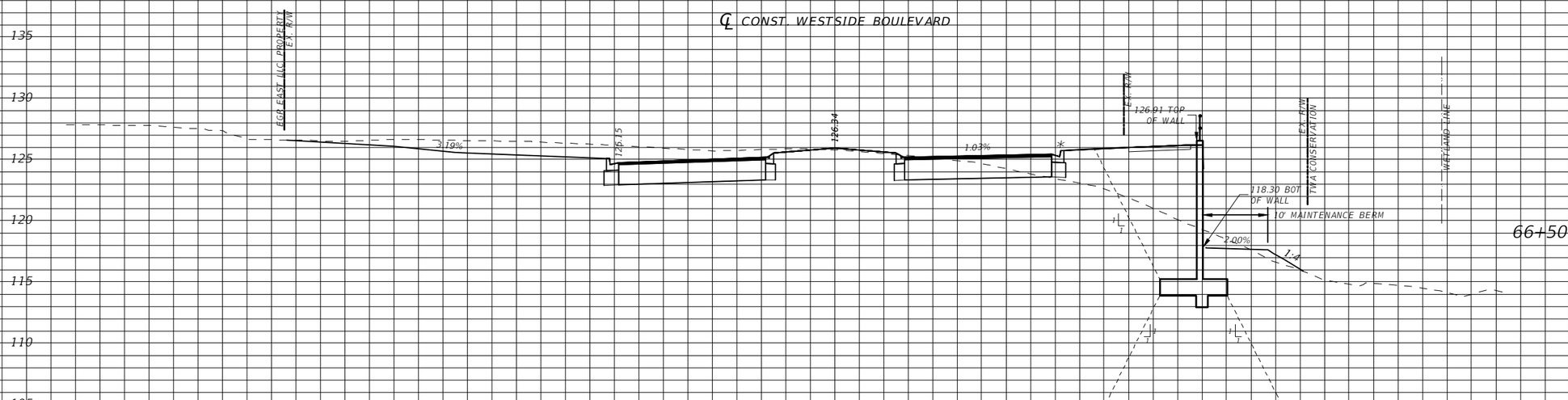
TRANSPORTATION AND TRANSIT DEPARTMENT

BACK-OF-SIDEWALK PROFILES

SHEET NO. 43





Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
15.52	34.68	292.16	170.48
69.99	29.90	128.16	47.48

* TYPE F CURB WHEN USED ON HIGH SIDE OF ROADWAYS, MATCH THE CROSS SLOPE OF THE GUTTER TO THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP IS 6", UNLESS OTHERWISE SHOWN ON PLAN

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

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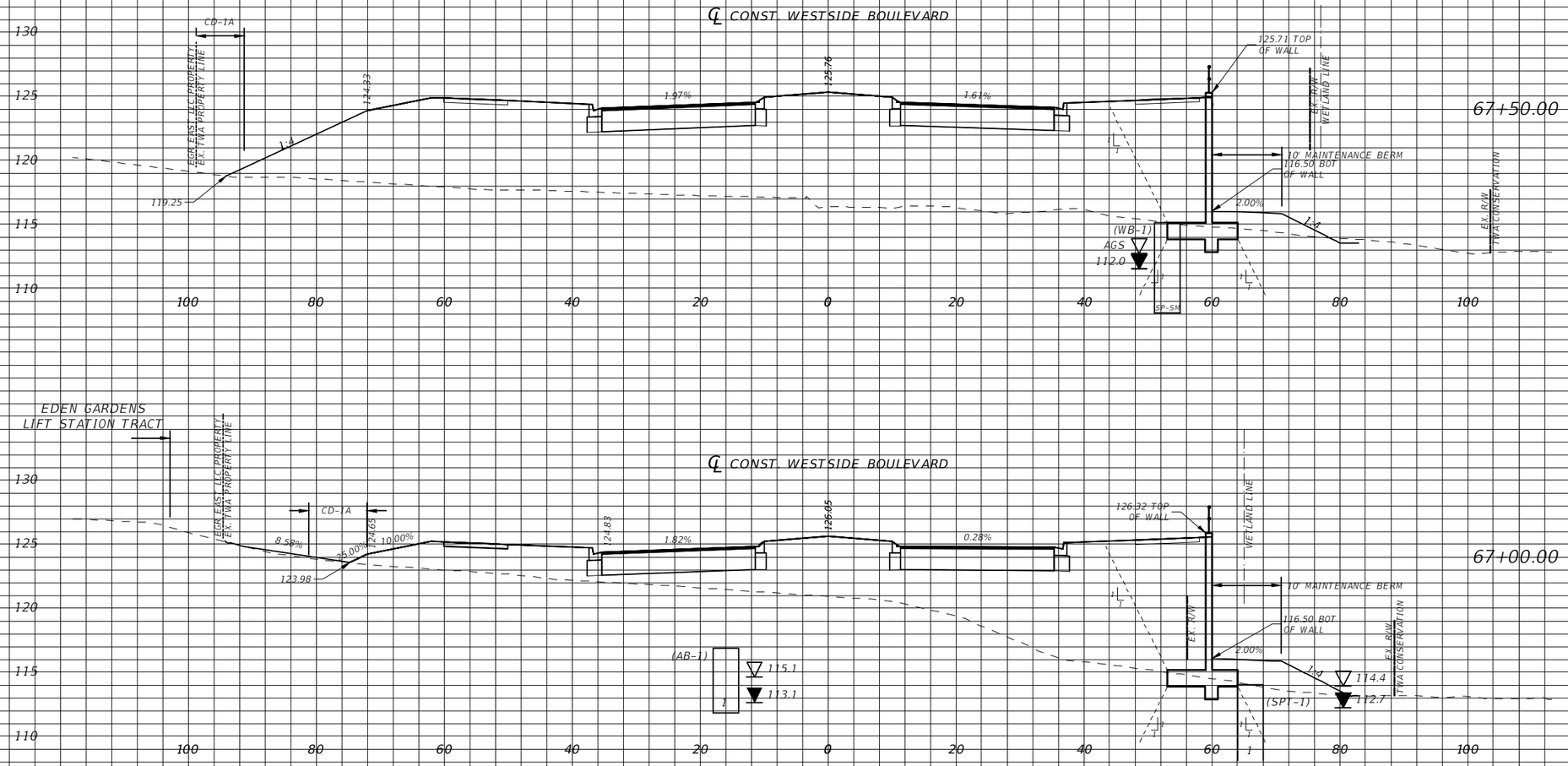
DEPARTMENT

CROSS SECTIONS

SHEET NO. 44



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
1.22	1.15	1107.59	1655.98
0.03	292.50	680.87	1494.39

* TYPE F CURB WHEN USED ON HIGH SIDE OF ROADWAYS, MATCH THE CROSS SLOPE OF THE GUTTER TO THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP IS 6", UNLESS OTHERWISE SHOWN ON PLAN

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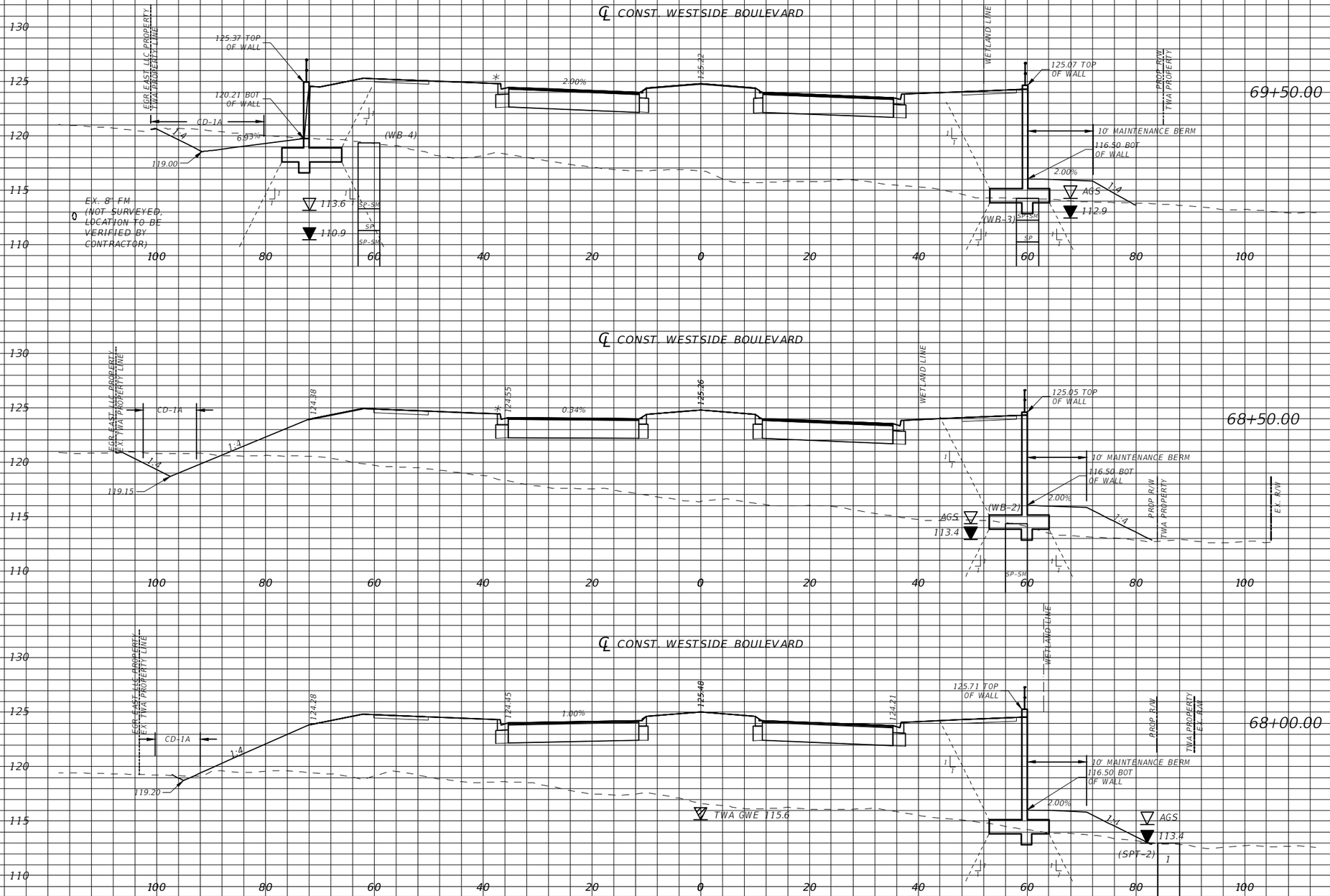
CROSS SECTIONS

SHEET NO. 45



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
27.48	91.36	1022.77	3773.80
19.73	19.03	1017.65	1888.69
0.82	1.89	1022.14	1971.97

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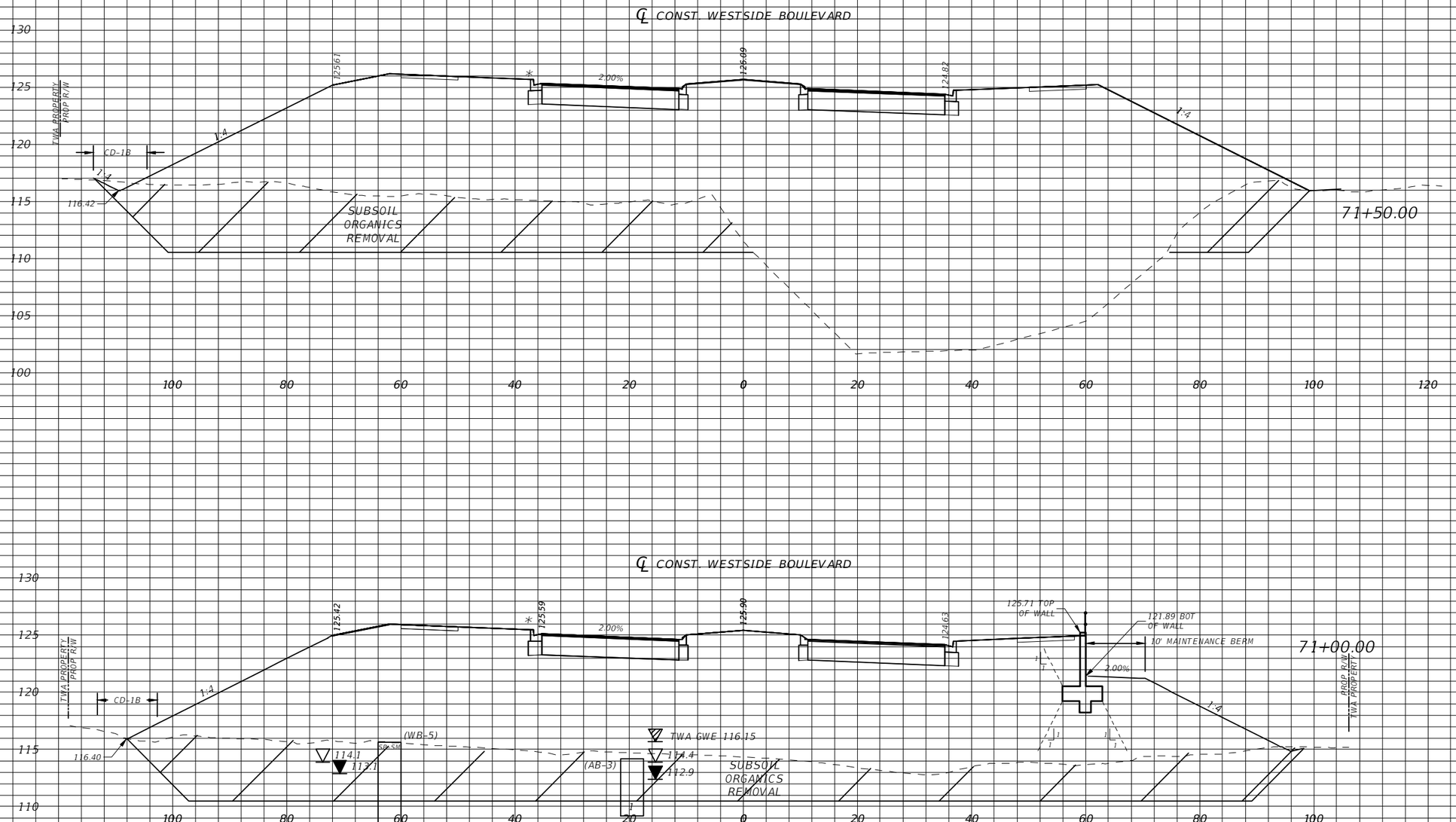
TRANSPORTATION AND TRANSIT DEPARTMENT

CROSS SECTIONS

SHEET NO. 46



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
2.62	3.45	2495.69	3903.06
0.97	21.70	1729.51	5442.01

* TYPE F CURB WHEN USED ON HIGH SIDE OF ROADWAYS, MATCH THE CROSS SLOPE OF THE GUTTER TO THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP IS 6", UNLESS OTHERWISE SHOWN ON PLAN

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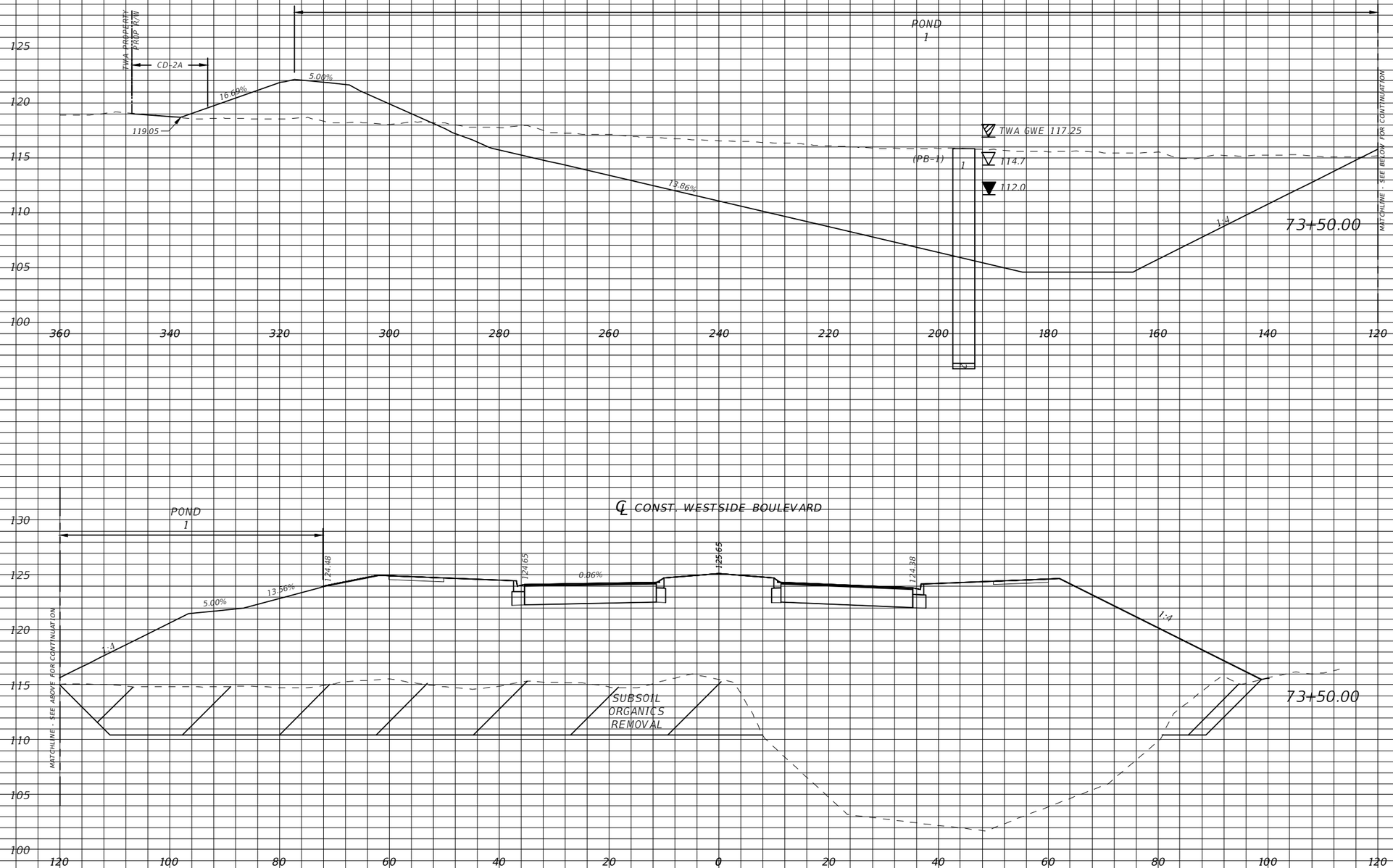
DEPARTMENT

CROSS SECTIONS

SHEET NO. 47



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
1055.86	1262.65	2596.03	4948.54
1055.86	1262.65	2596.03	4948.54

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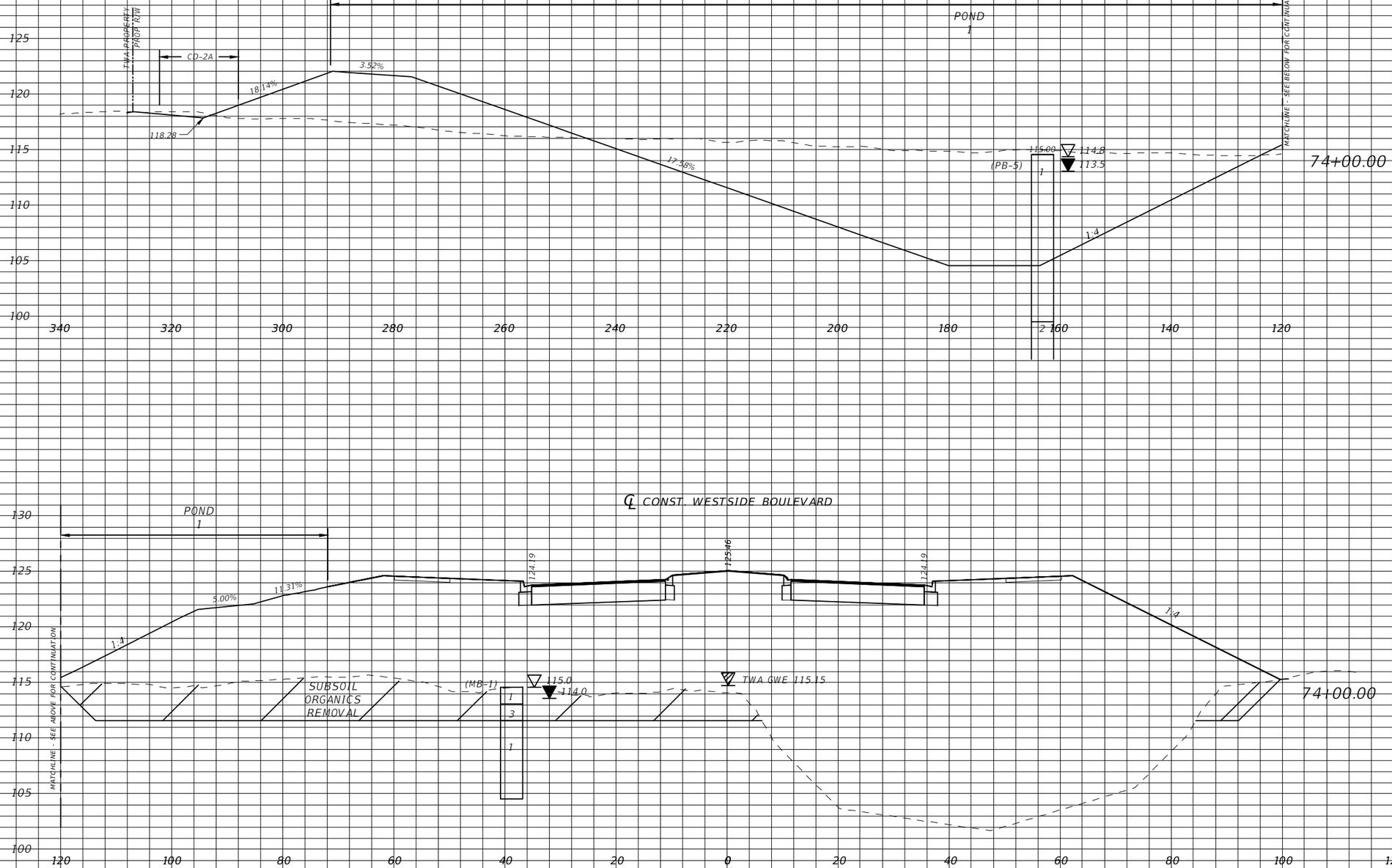
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

CROSS SECTIONS

SHEET NO. 48



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
722.05	1646.22	2745.57	4945.92
722.05	1646.22	2745.57	4945.92

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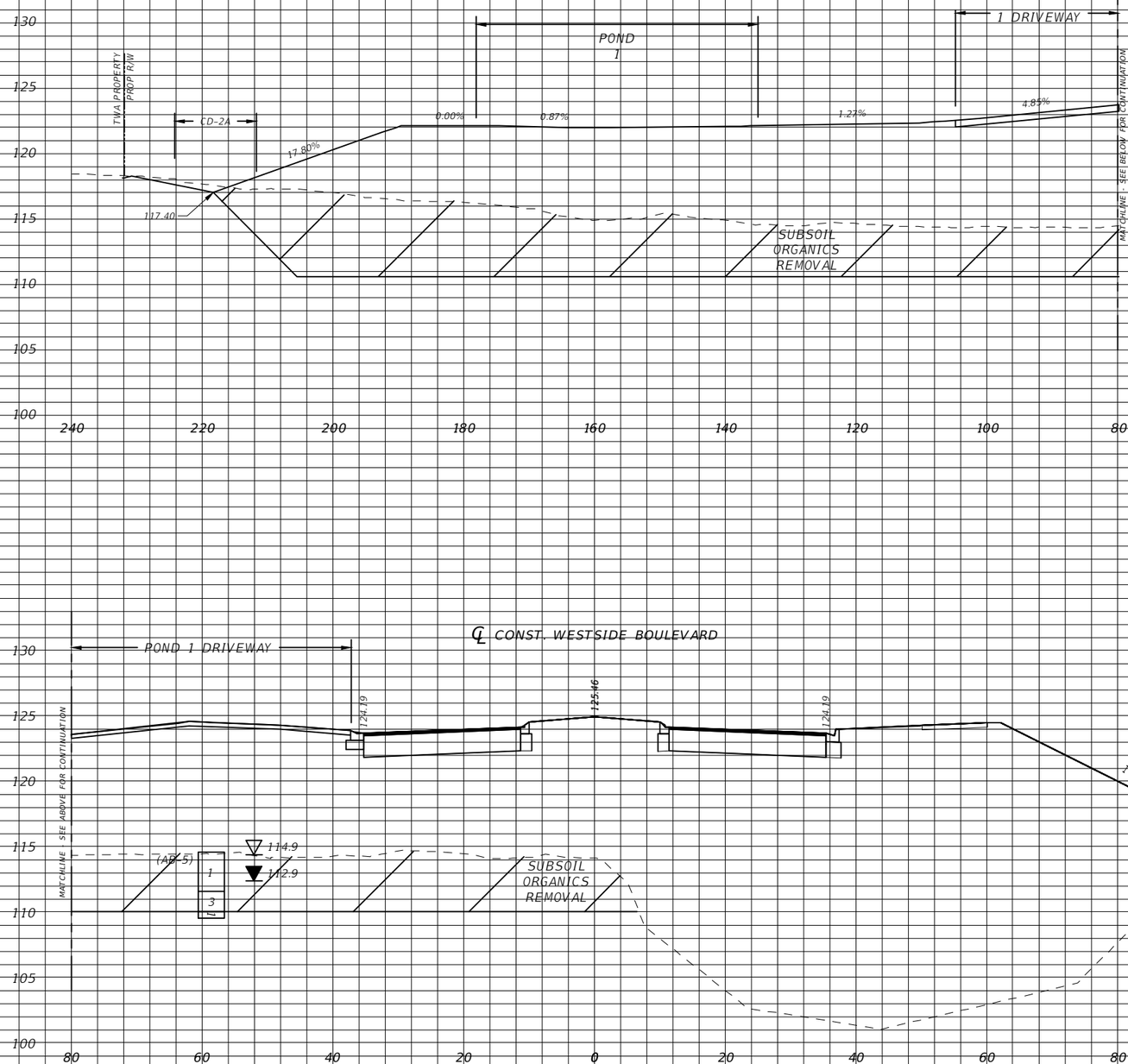
TRANSPORTATION AND TRANSIT DEPARTMENT

CROSS SECTIONS

SHEET NO. 49



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
5.11	4.74	3323.14	3076.98
5.11	4.74	3323.14	3076.98

* TYPE F CURB WHEN USED ON HIGH SIDE OF ROADWAYS, MATCH THE CROSS SLOPE OF THE GUTTER TO THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP IS 6", UNLESS OTHERWISE SHOWN ON PLAN

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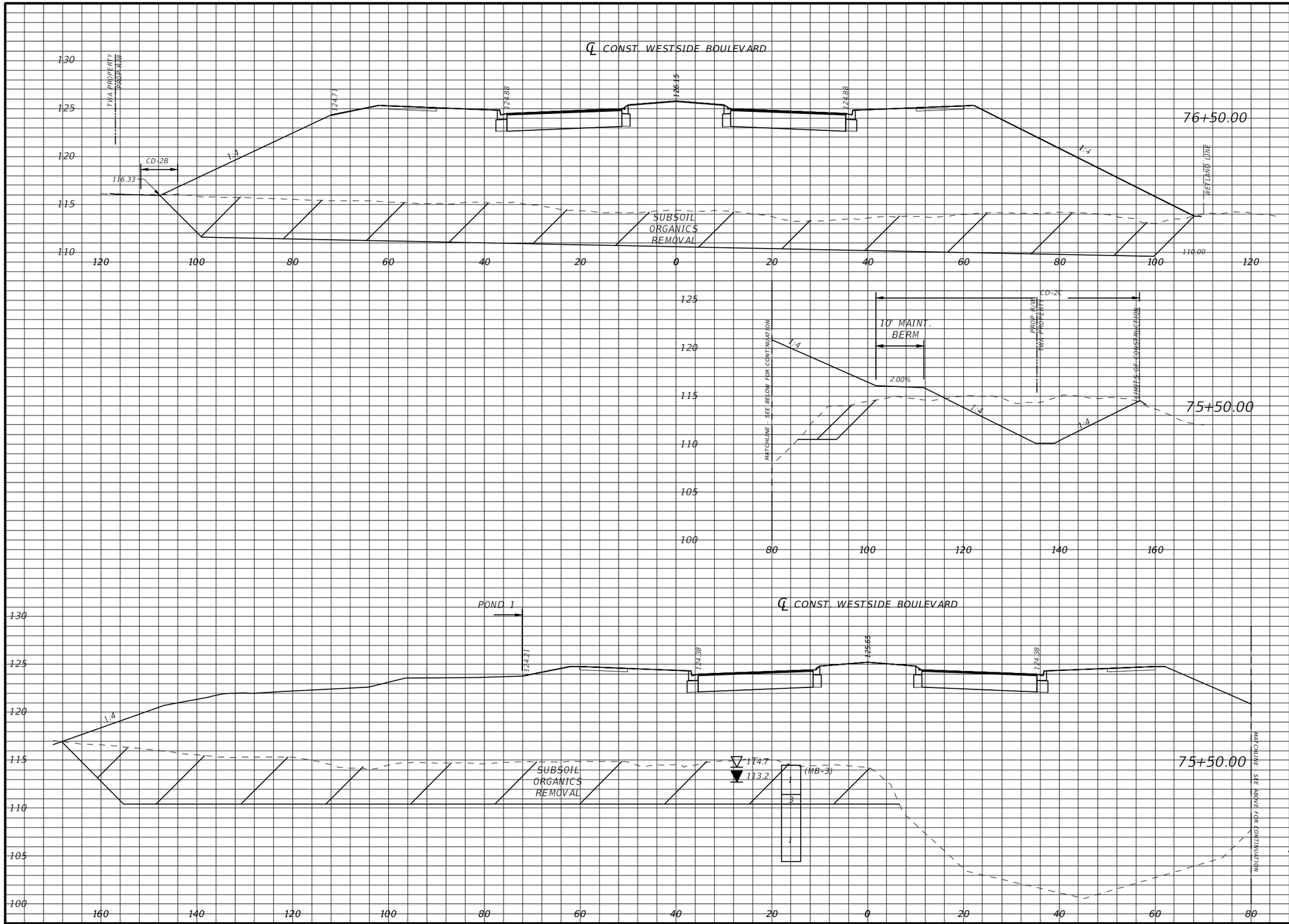
TRANSPORTATION AND TRANSIT DEPARTMENT

CROSS SECTIONS

SHEET NO.
50



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
0.56	169.92	1842.23	9072.33
110.89	102.93	3057.10	5388.59
110.89	102.93	3057.10	5388.59

* TYPE F CURB WHEN USED ON HIGH SIDE OF ROADWAYS, MATCH THE CROSS SLOPE OF THE GUTTER TO THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP IS 6", UNLESS OTHERWISE SHOWN ON PLAN

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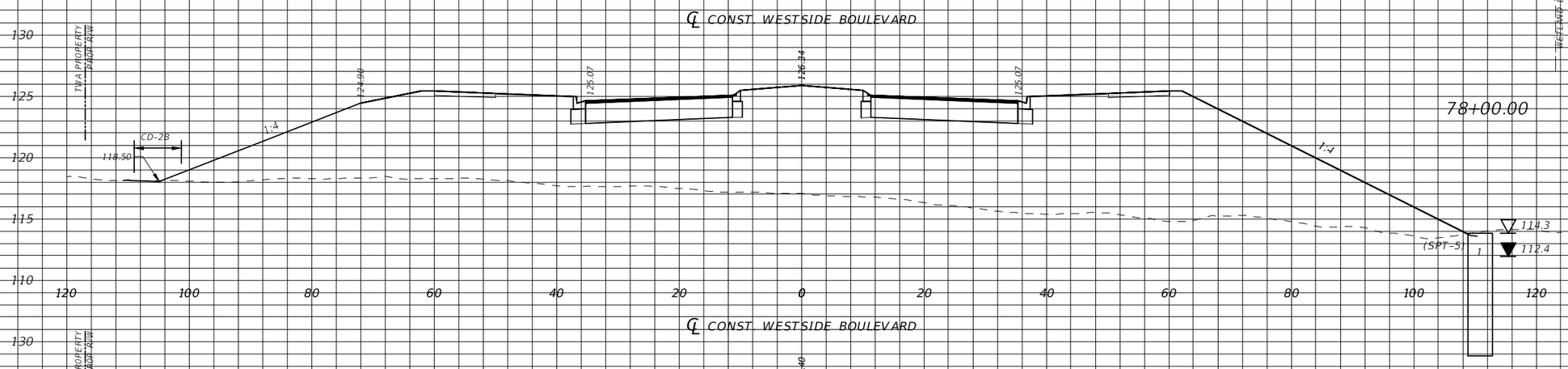
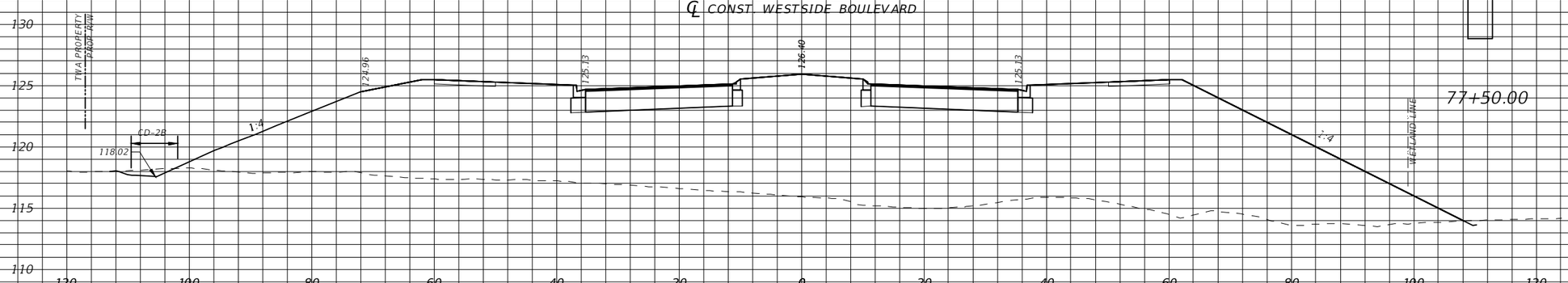
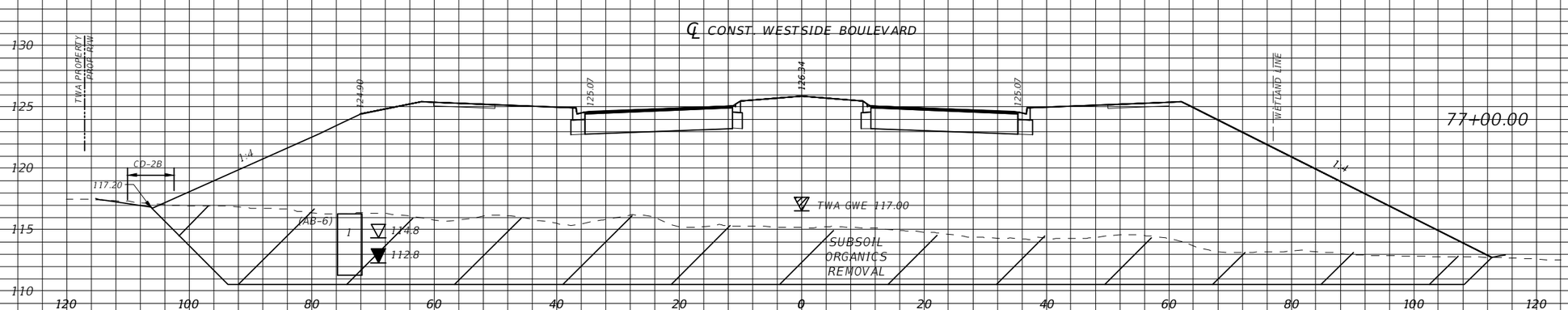
TRANSPORTATION AND TRANSIT DEPARTMENT

CROSS SECTIONS

SHEET NO. 51







Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
0.48	3.97	1442.70	2787.69
3.81	5.16	1568.01	3079.33
1.76	2.15	1757.67	3333.24

* TYPE F CURB WHEN USED ON HIGH SIDE OF ROADWAYS, MATCH THE CROSS SLOPE OF THE GUTTER TO THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP IS 6", UNLESS OTHERWISE SHOWN ON PLAN

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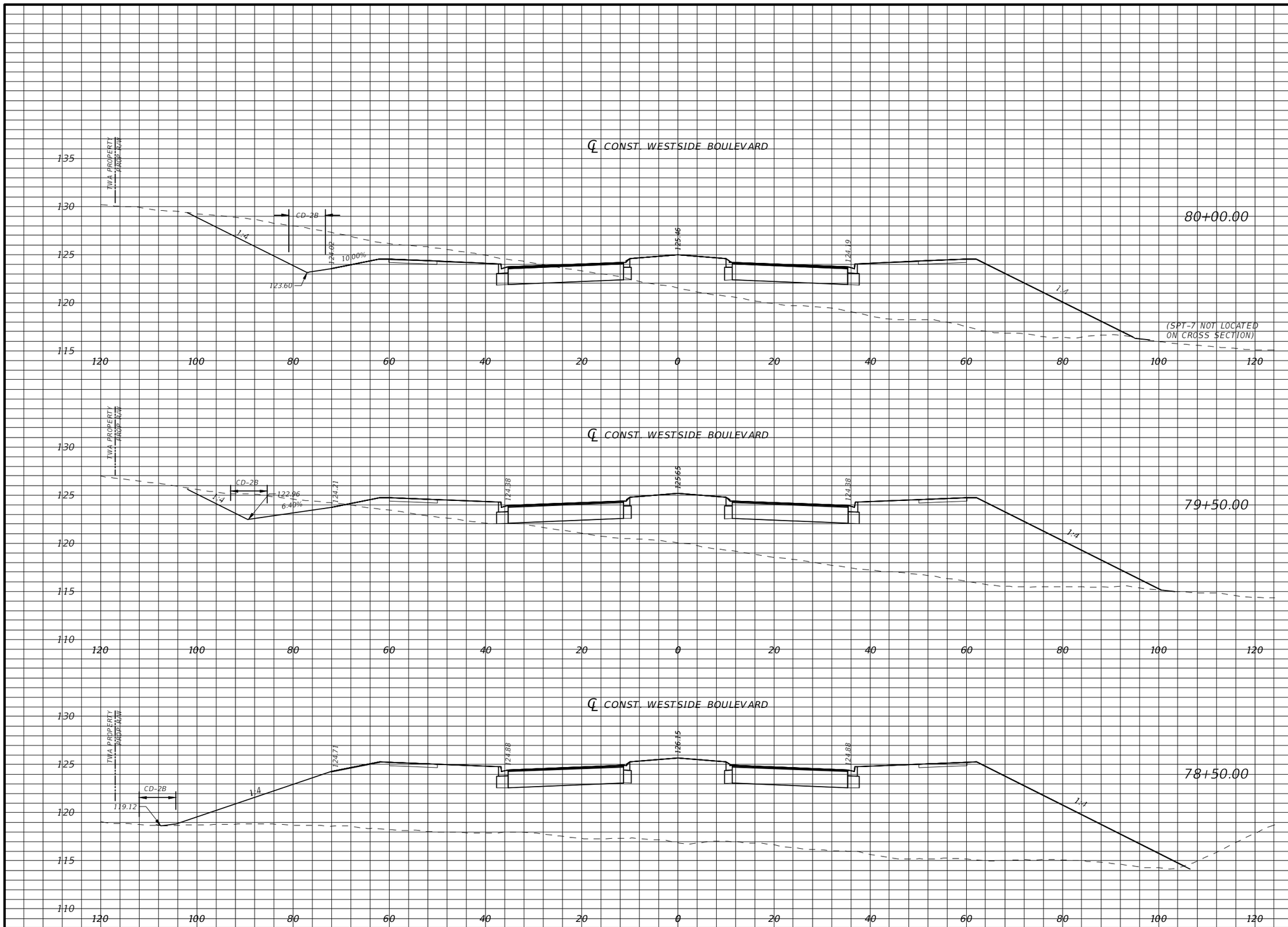
DEPARTMENT

CROSS SECTIONS

SHEET NO.
52



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
144.96	174.52	470.40	1128.73
43.53	81.21	748.64	3922.18
0.32	0.74	1369.34	2603.74

* TYPE F CURB WHEN USED ON HIGH SIDE OF ROADWAYS, MATCH THE CROSS SLOPE OF THE GUTTER TO THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP IS 6", UNLESS OTHERWISE SHOWN ON PLAN

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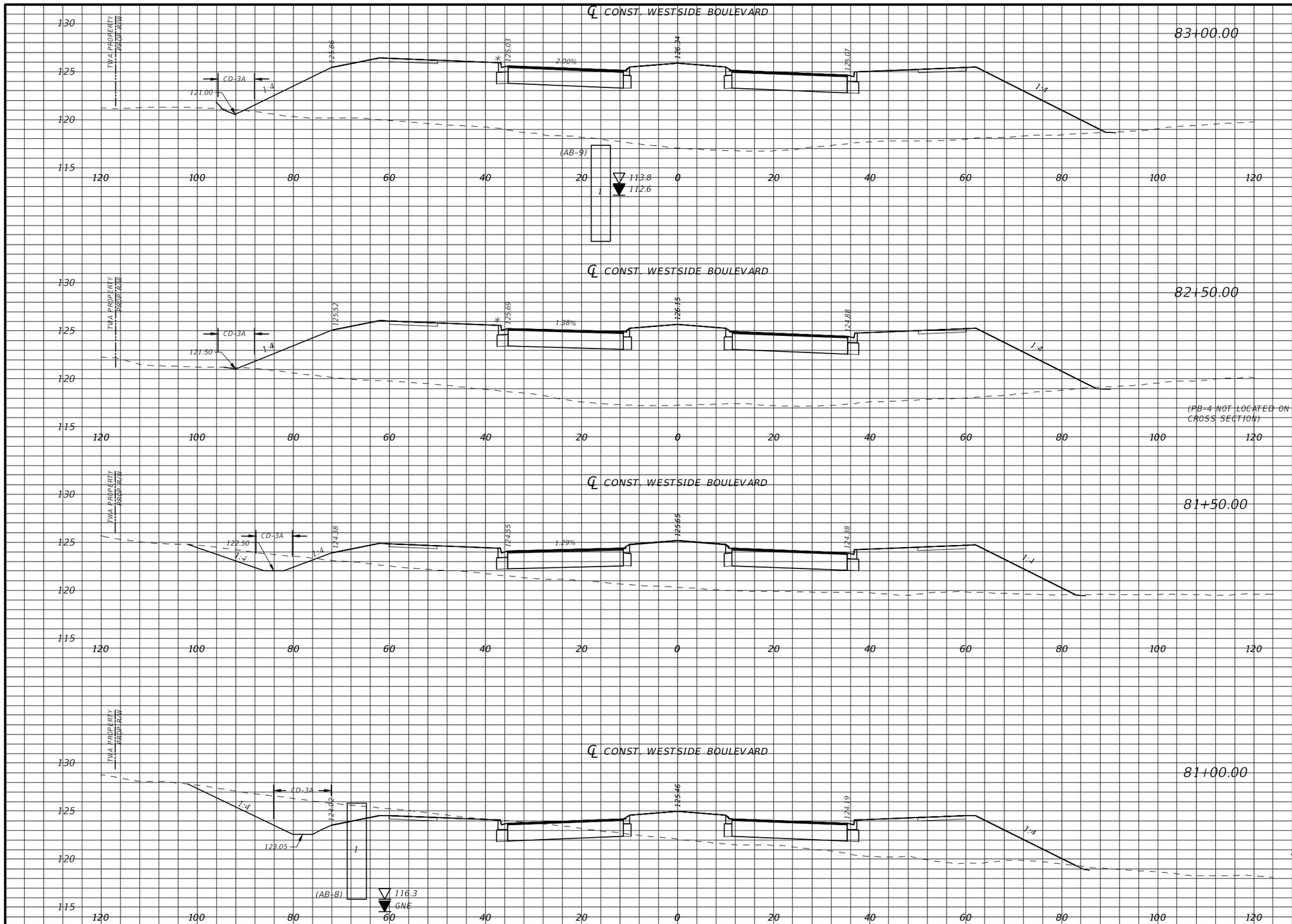
CROSS SECTIONS

SHEET NO. 53



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
1.22	2.03	1133.06	2054.84
0.93	53.13	1086.59	3021.49
27.76	111.86	545.02	782.67
93.05	440.75	300.26	1427.14

* TYPE F CURB WHEN USED ON HIGH SIDE OF ROADWAYS, MATCH THE CROSS SLOPE OF THE GUTTER TO THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP IS 6", UNLESS OTHERWISE SHOWN ON PLAN

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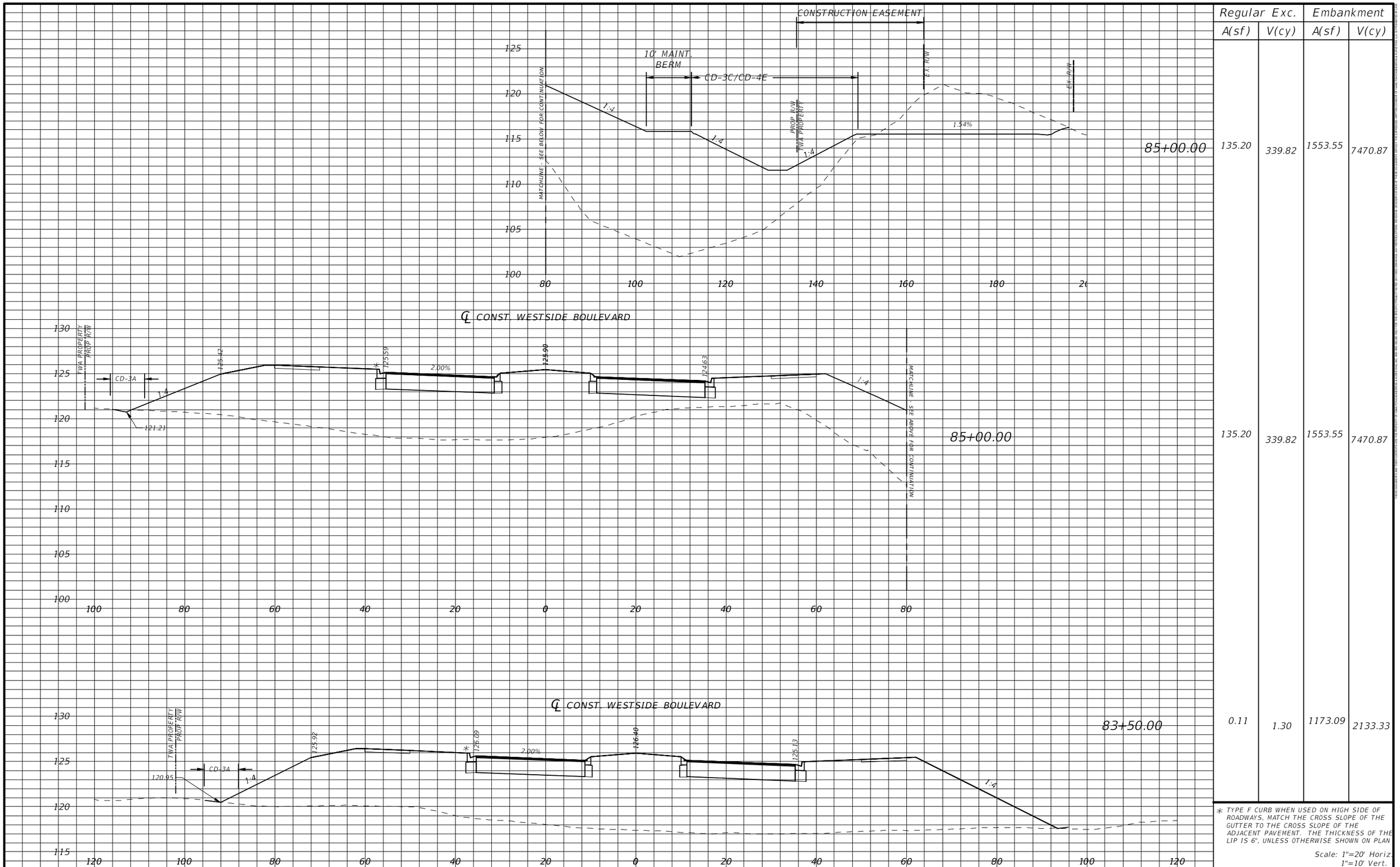
CROSS SECTIONS

SHEET NO. 54



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
135.20	339.82	1553.55	7470.87
135.20	339.82	1553.55	7470.87
0.11	1.30	1173.09	2133.33

* TYPE F CURB WHEN USED ON HIGH SIDE OF ROADWAYS, MATCH THE CROSS SLOPE OF THE GUTTER TO THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP IS 6", UNLESS OTHERWISE SHOWN ON PLAN

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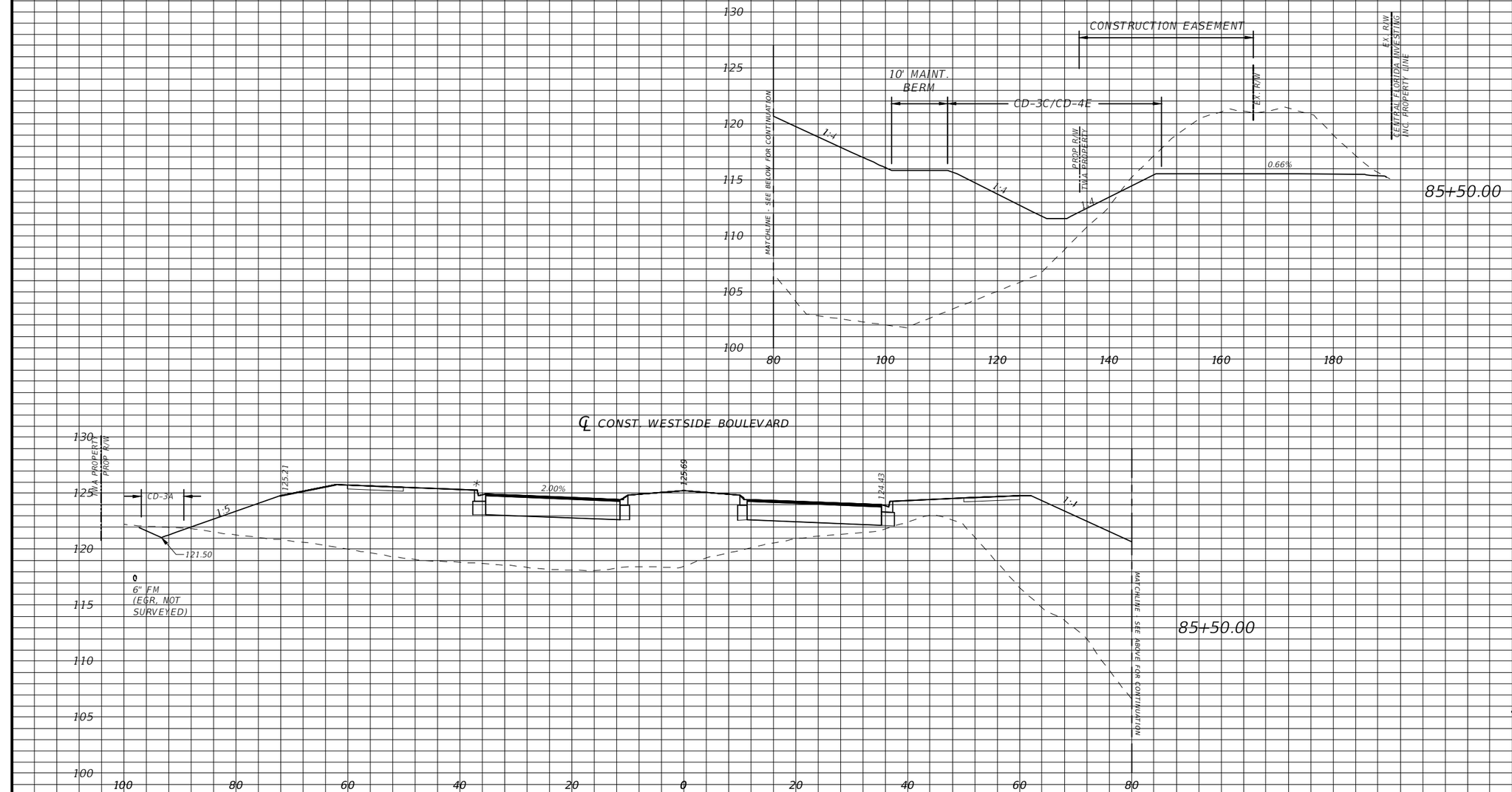
CROSS SECTIONS

SHEET NO. 55



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
180.02	265.05	1539.77	2796.23
180.02	265.05	1539.77	2796.23

* TYPE F CURB WHEN USED ON HIGH SIDE OF ROADWAYS, MATCH THE CROSS SLOPE OF THE GUTTER TO THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP IS 6", UNLESS OTHERWISE SHOWN ON PLAN

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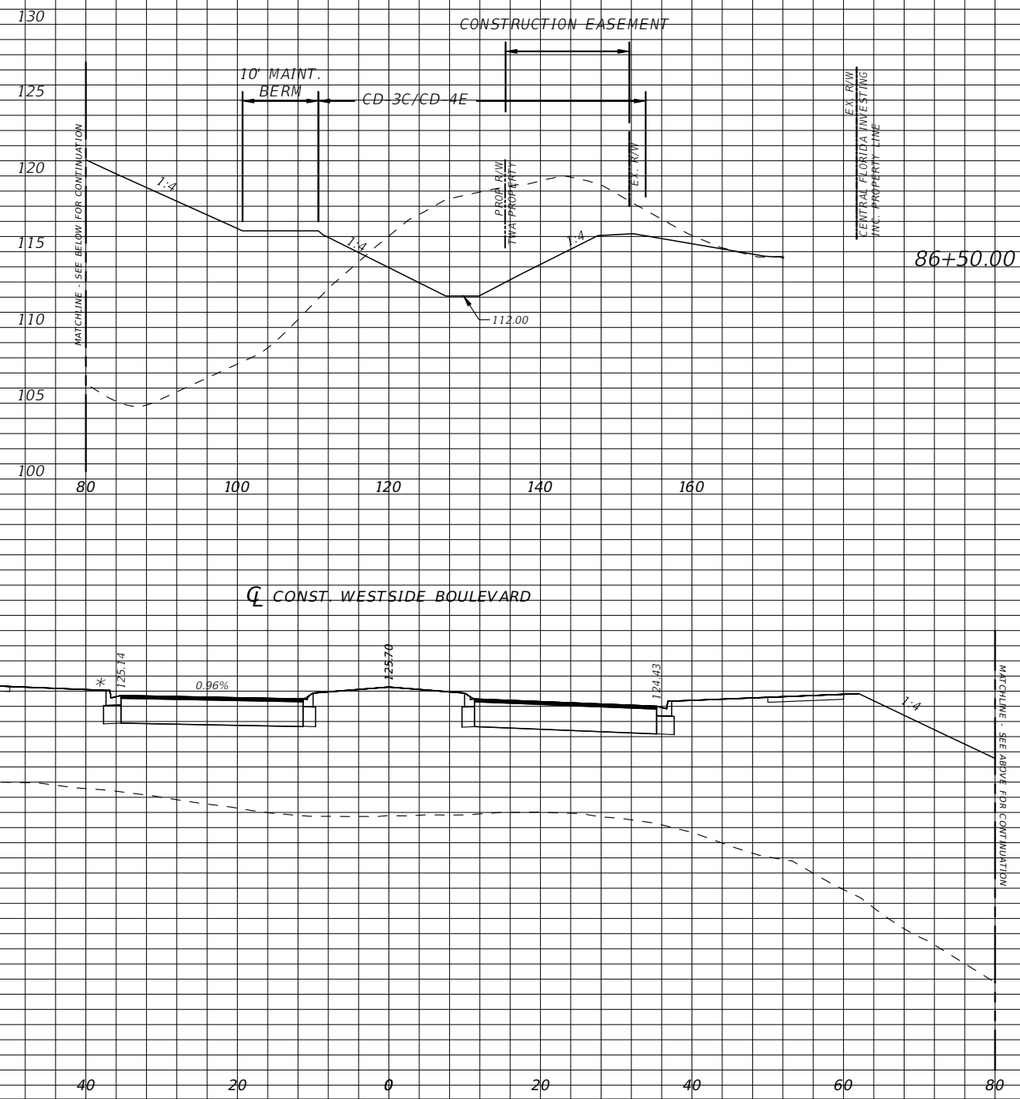
CROSS SECTIONS

SHEET NO. 56



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
174.28	605.54	1679.97	5848.98
174.28	605.54	1679.97	5848.98

* TYPE F CURB WHEN USED ON HIGH SIDE OF ROADWAYS, MATCH THE CROSS SLOPE OF THE GUTTER TO THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP IS 6", UNLESS OTHERWISE SHOWN ON PLAN

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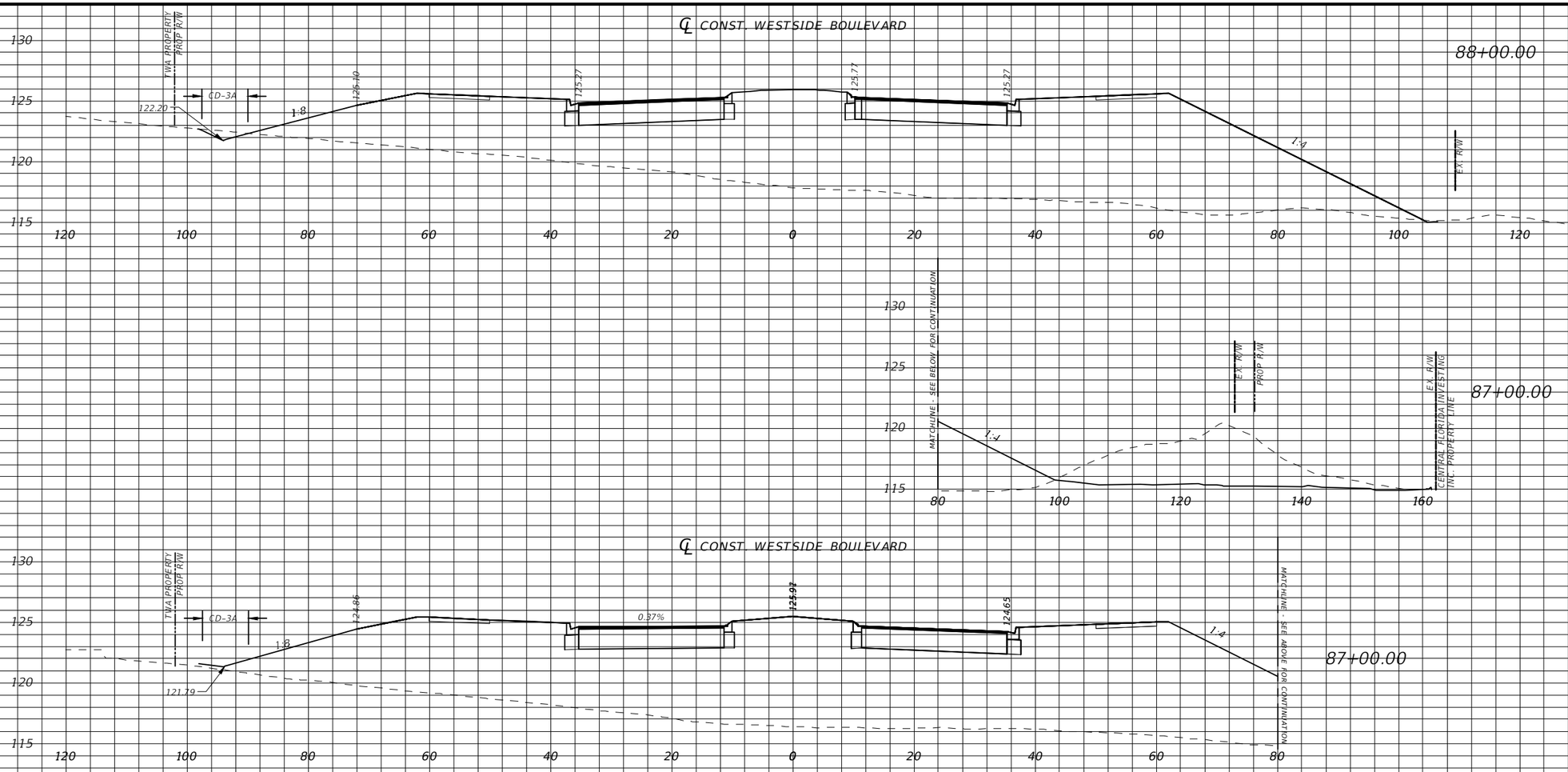
P.E. LICENSE NUMBER 38794
HAMILTON ENGINEERING & SURVEYING, LLC
431 E. HORATIO AVE., SUITE 260
MAITLAND, FL 32751
(407) 629-8330 EXT 150

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

CROSS SECTIONS

SHEET NO. 57



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
3.53	254.15	1130.86	4482.78
133.71	285.18	1289.84	2749.82
133.71	285.18	1289.84	2749.82

* TYPE F CURB WHEN USED ON HIGH SIDE OF ROADWAYS, MATCH THE CROSS SLOPE OF THE GUTTER TO THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP IS 6", UNLESS OTHERWISE SHOWN ON PLAN

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

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID A. REID, P.E.
P.E. LICENSE NUMBER 38794
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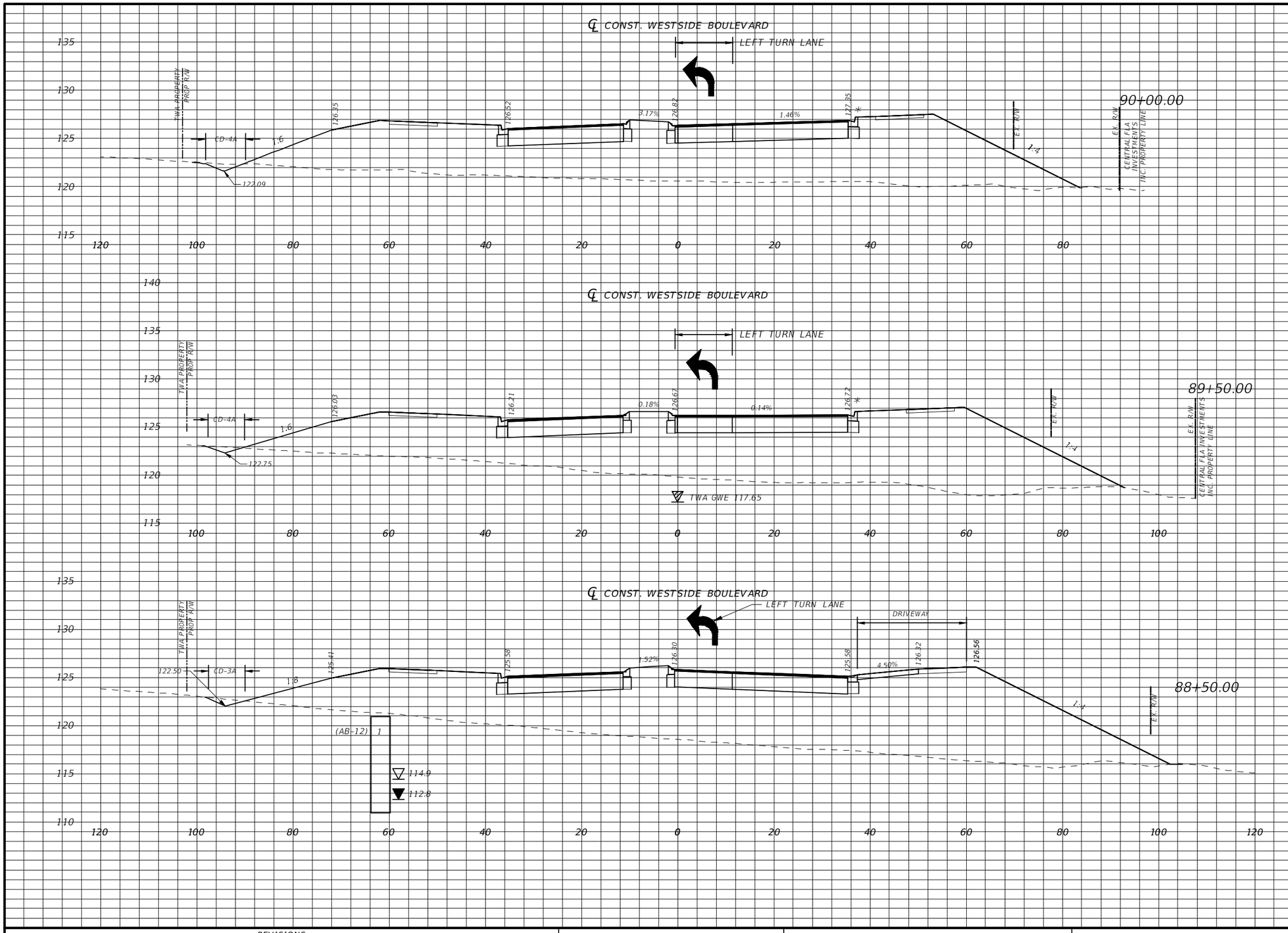
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

CROSS SECTIONS

SHEET NO. 58



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
3.37	5.49	874.32	1714.19
2.56	10.43	977.00	3908.43
3.07	6.11	1133.55	2096.68

* TYPE F CURB WHEN USED ON HIGH SIDE OF ROADWAYS, MATCH THE CROSS SLOPE OF THE GUTTER TO THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP IS 6", UNLESS OTHERWISE SHOWN ON PLAN

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

REVISIONS			
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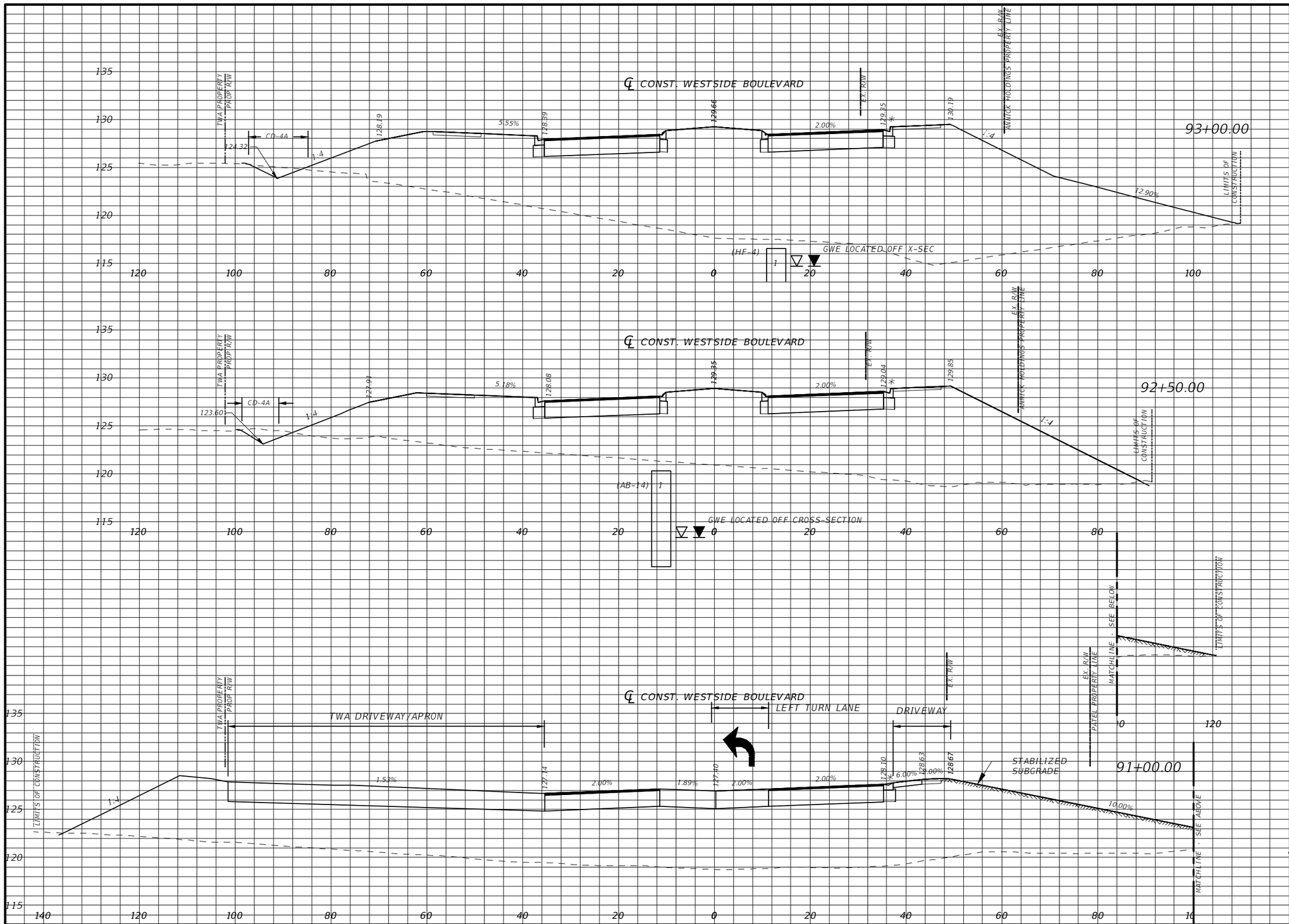
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

CROSS SECTIONS

SHEET NO. 59



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
6.39	13.43	1552.58	2459.27
8.91	17.69	1085.57	4208.08
0.14	6.14	1571.41	4506.75

* TYPE F CURB WHEN USED ON HIGH SIDE OF ROADWAYS, MATCH THE CROSS SLOPE OF THE GUTTER TO THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP IS 6", UNLESS OTHERWISE SHOWN ON PLAN

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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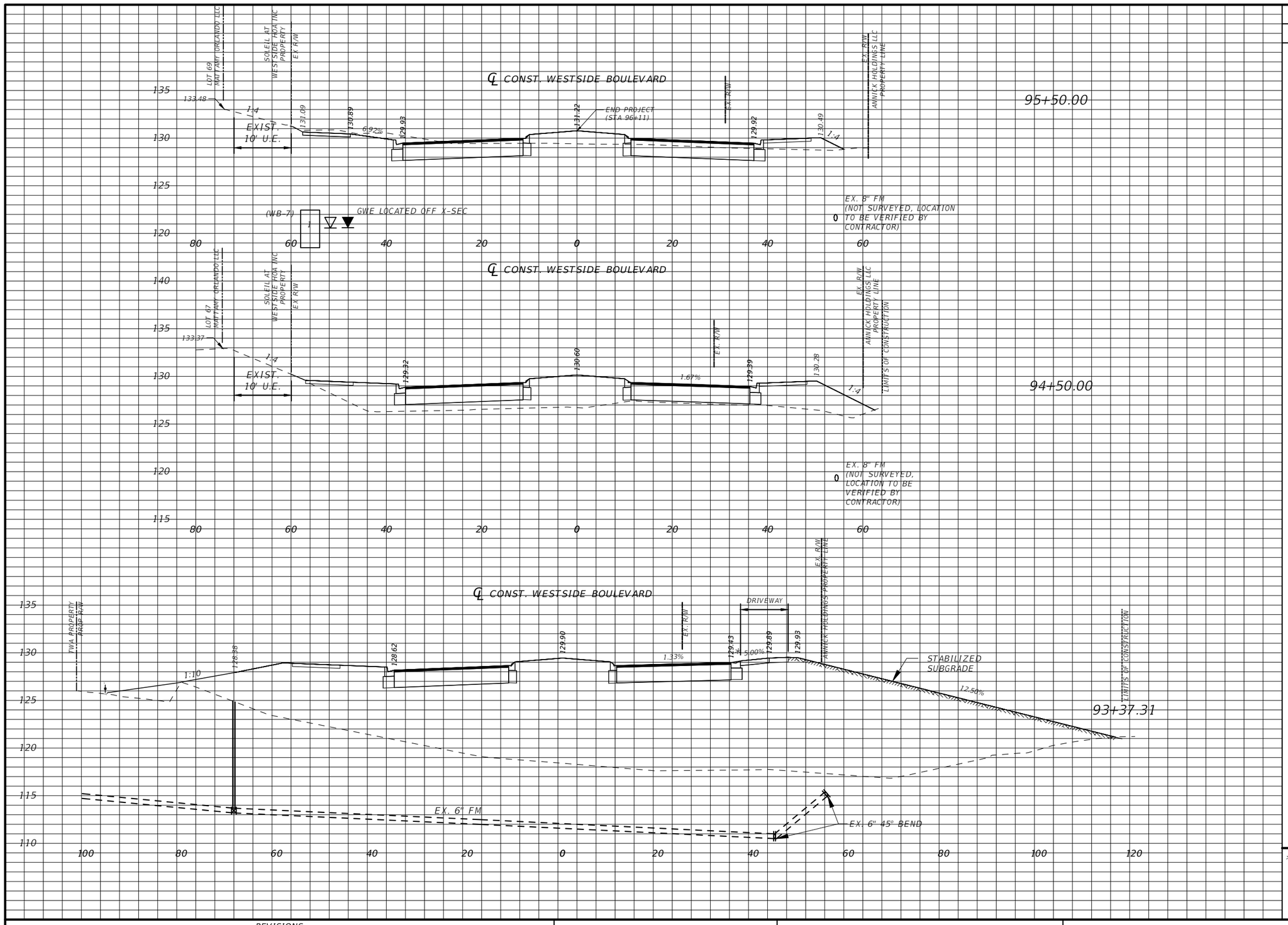
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

CROSS SECTIONS

SHEET NO. 60

EricA Sep 28, 2023 - 8:47:46pm

L:\53509 Lennar Homes, Llc\0017 Westside Blvd Ext\ENGR\02 Master\1 DWGs\100% SET\57 CROSS SECTIONS.dwg (57 CROSS SECTIONS)



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
10.95	20.29	64.79	648.28
0.01	0.36	285.28	3860.19
0.17	4.30	1564.43	2174.07

* TYPE F CURB WHEN USED ON HIGH SIDE OF ROADWAYS, MATCH THE CROSS SLOPE OF THE GUTTER TO THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP IS 6", UNLESS OTHERWISE SHOWN ON PLAN

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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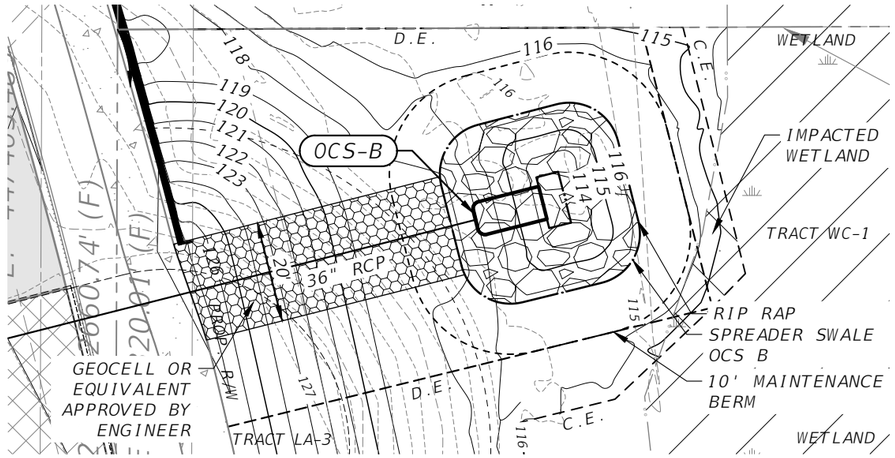
MAITLAND, FL 32751
(407) 629-8330 EXT 150

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

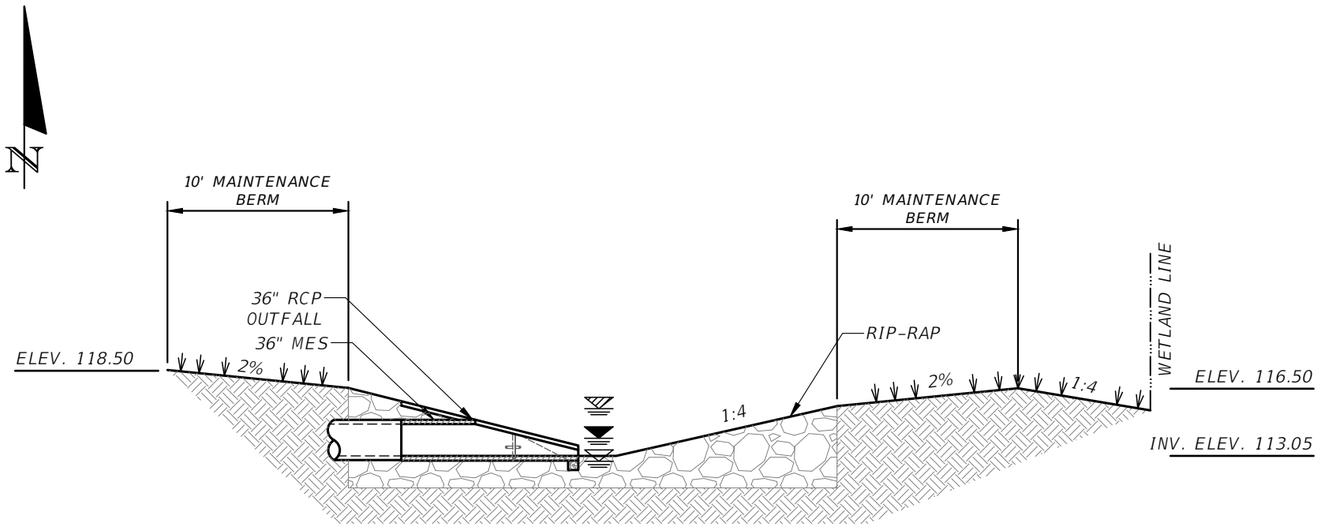
CROSS SECTIONS

SHEET NO. 61



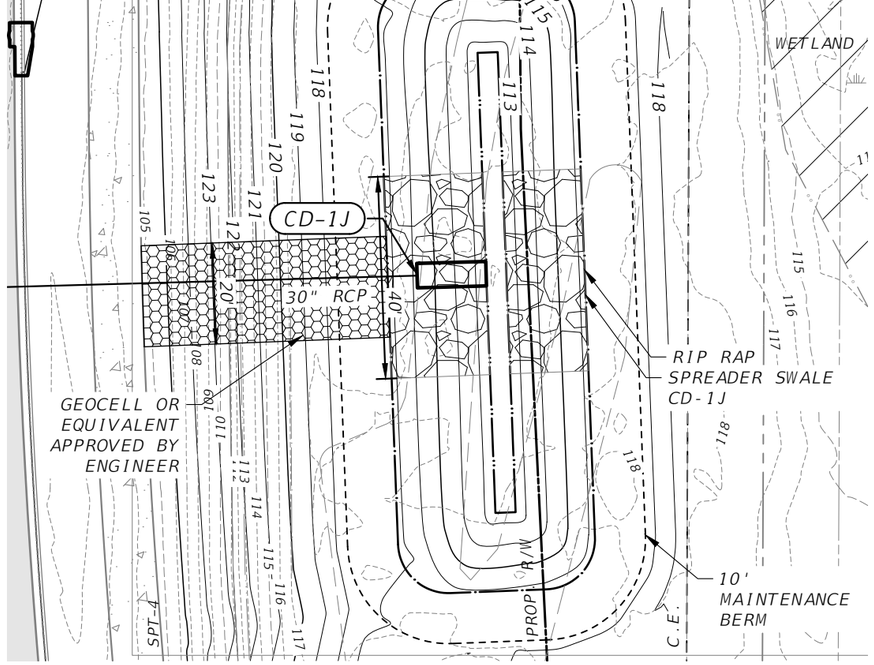
OCS-B SPREADER SWALE - PLAN VIEW

SCALE 1" = 30'



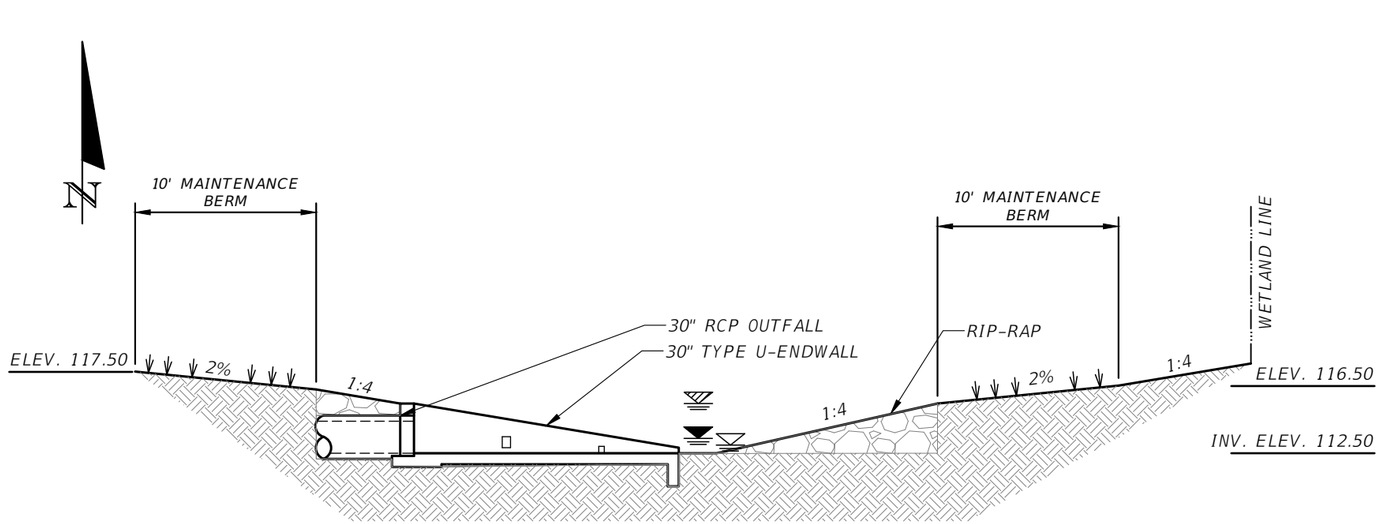
OCS-B SPREADER SWALE - DETAIL

NTS



CD-1J SPREADER SWALE - PLAN VIEW

SCALE 1" = 30'



CD-1J SPREADER SWALE - DETAIL

NTS

* SEE SHEET 11 FOR SHW NAIL LOCATIONS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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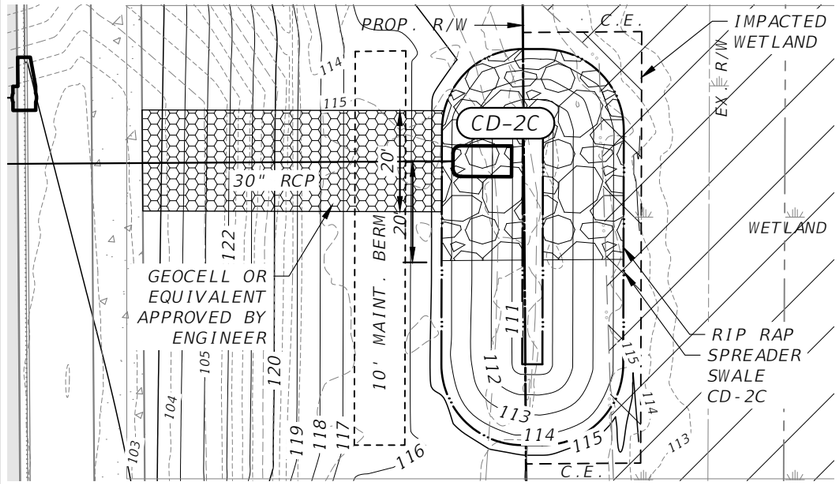
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

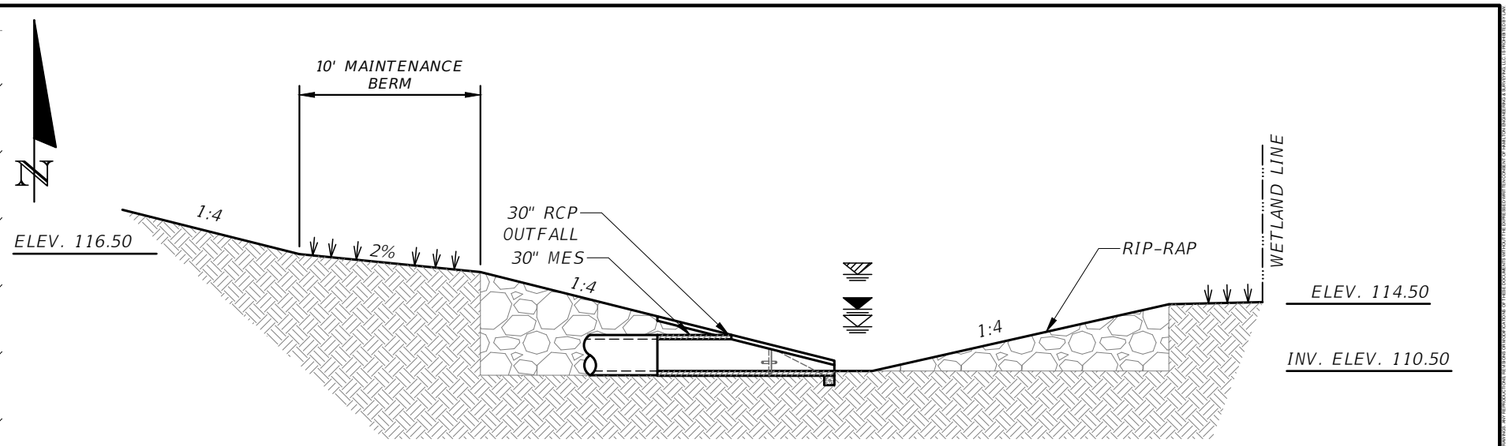
DRAINAGE DETAILS

SHEET NO. 62



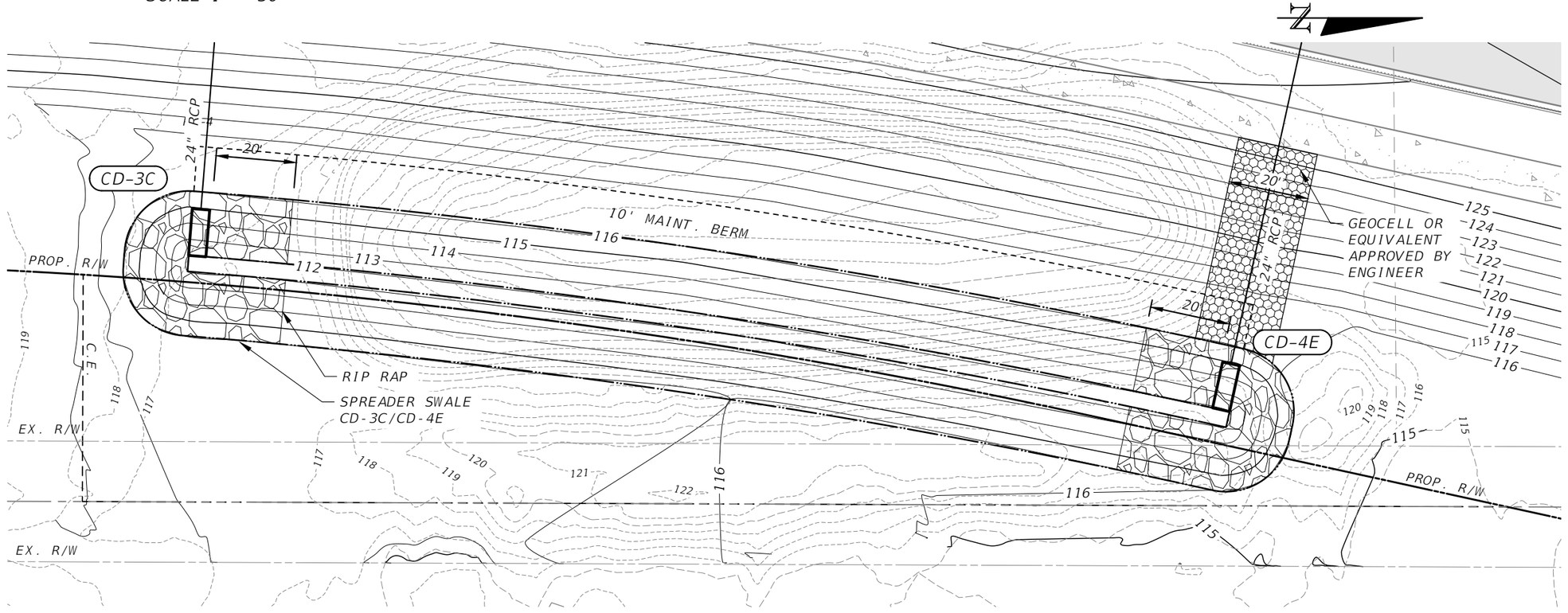
CD-2C SPREADER SWALE - PLAN VIEW

SCALE 1" = 30'



CD-2C SPREADER SWALE - DETAIL

NTS



CD-3C/CD-4E SPREADER SWALE - PLAN VIEW*

SCALE 1" = 30'

*CD-3C/CD-4E SPREADER SWALE DETAILS LOCATED ON THE FOLLOWING SHEET
**SEE SHEET 11 FOR SHW NAIL LOCATIONS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID A. REID, P.E.
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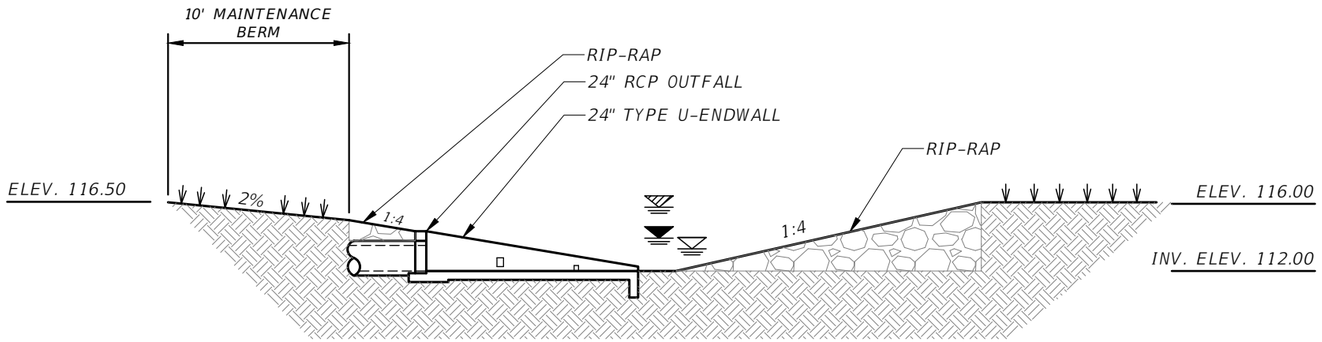
431 E. HORATIO AVE., SUITE 260
MAITLAND, FL 32751
(407) 629-8330 EXT 150

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

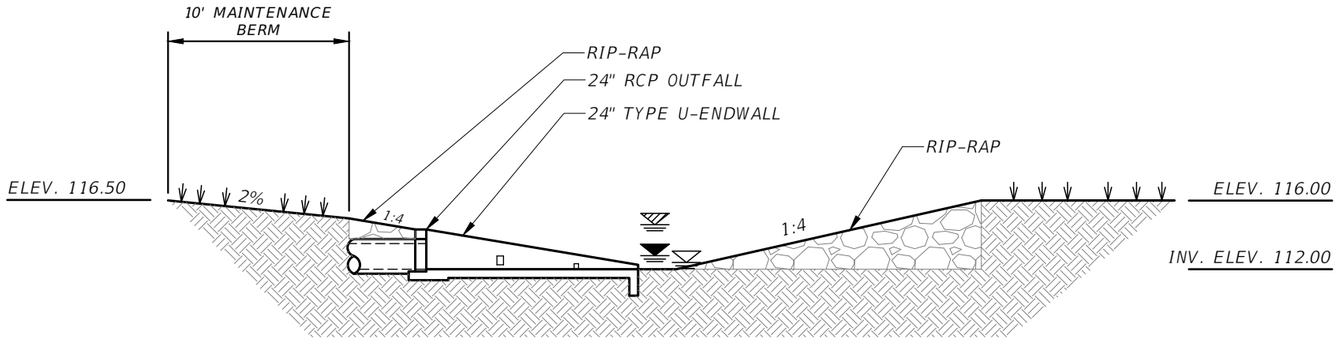
DRAINAGE DETAILS

SHEET NO. 63



CD-3C SPREADER SWALE - DETAIL

NTS



CD-4E SPREADER SWALE - DETAIL

NTS

* SEE SHEET 11 FOR SHW NAIL LOCATIONS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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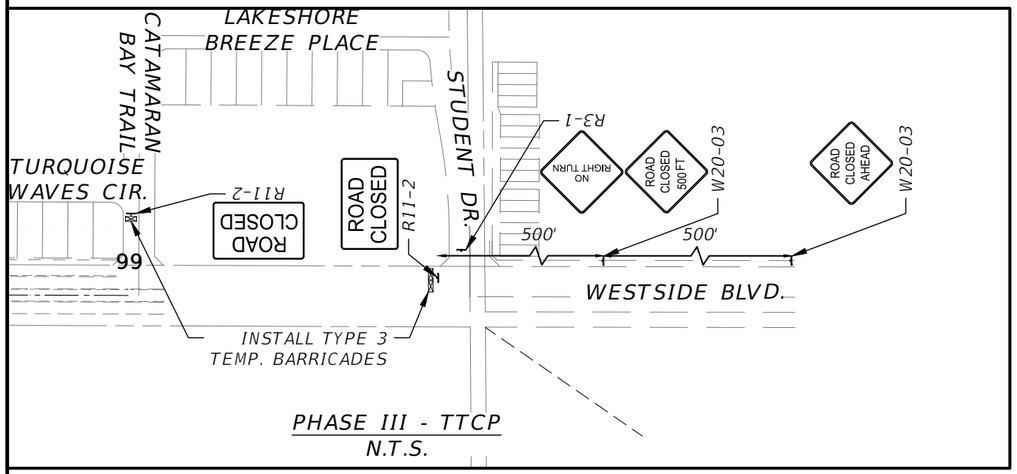
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

DRAINAGE DETAILS

SHEET NO. 64

WESTSIDE BOULEVARD TRAFFIC CONTROL PHASE NOTES

1. THE INTENT OF THESE PHASES ARE TO CONSTRUCT A ROAD ON AN ORPHANED SECTION BETWEEN WESTSIDE BOULEVARD THAT IS COMPLETED BY MATTAMY HOMES TO THE NORTH AND THE COMPLETED NORTH BOUND SECTION BY LENNAR TO THE SOUTH.
2. THE CONSTRUCTION OF THE SOUTH BOUND PORTION OF WESTSIDE BOULEVARD TO THE SOUTH BY EDEN GARDENS RESORTS IS ANTICIPATED TO BE UNDER CONSTRUCTION AT THE SAME TIME AS WESTSIDE BOULEVARD EXTENSION CONSTRUCTION, THEREFORE NO ADDITIONAL TRAFFIC CONTROL IS PROPOSED FOR SOUTH BOUND LANES.
3. TEMPORARY TYPE III BARRIERS AND ROAD CLOSURE SIGNS WILL BE PLACED ALONG THE EXISTING NORTH AND SOUTH TIE-INS TO KEEP TRAFFIC OUT OF WESTSIDE BOULEVARD EXTENSION DURING CONSTRUCTION.
4. CONTRACTOR TO MAINTAIN ACCESS TO EDEN GARDEN'S LIFT STATION AT ALL TIMES DURING CONSTRUCTION.



PHASE III - TTCP
N.T.S.

PHASE I (1 MONTH)

- ROAD CLOSURE
- INSTALL EROSION AND SEDIMENT CONTROL FEATURES

PHASE II (1 YEAR)

- MILL AND RESURFACE STATION 63+50 - 65+00
- CONSTRUCT ROADWAY
- REMOVE EROSION AND SEDIMENT CONTROL FEATURES

PHASE III (1 WEEK)

- MILL AND RESURFACE STATION
  63+50 - 65+00 & 96+11 - 96+31
- BARRICADES/ROAD CLOSURE TO REMAIN AT SOUTH TIE-IN

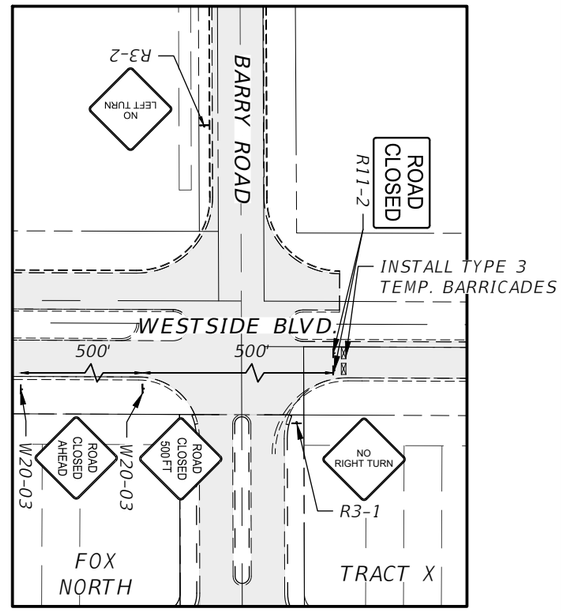
PHASE IV

- REMOVE EROSION AND SEDIMENT CONTROL FEATURES
- ROAD OPEN

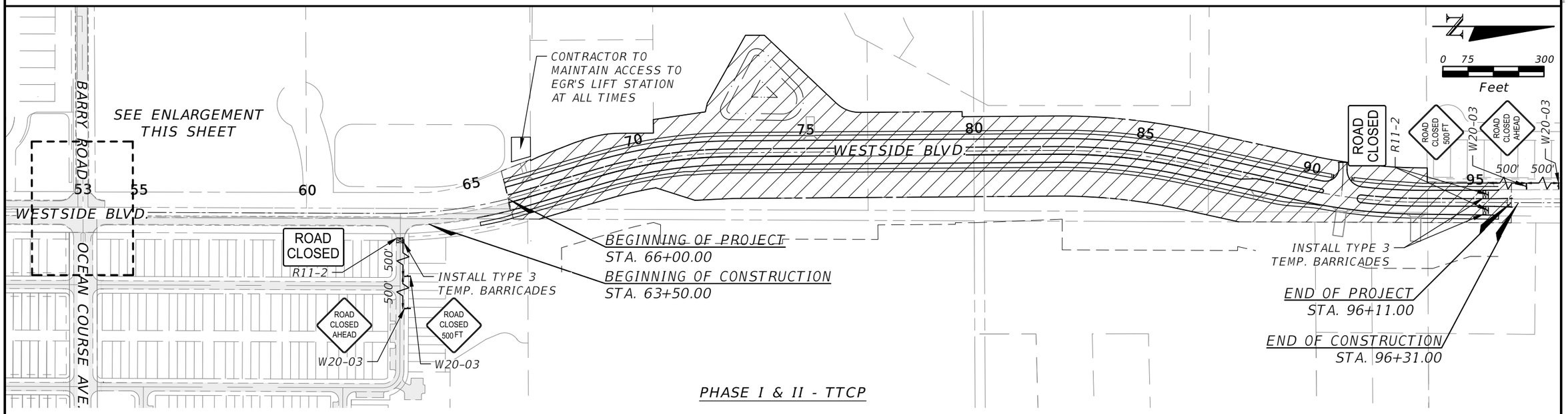
LEGEND

WORK ZONE

TYPE 3 TEMP. BARRICADES



PHASE I & II ENLARGEMENT
N.T.S.



PHASE I & II - TTCP

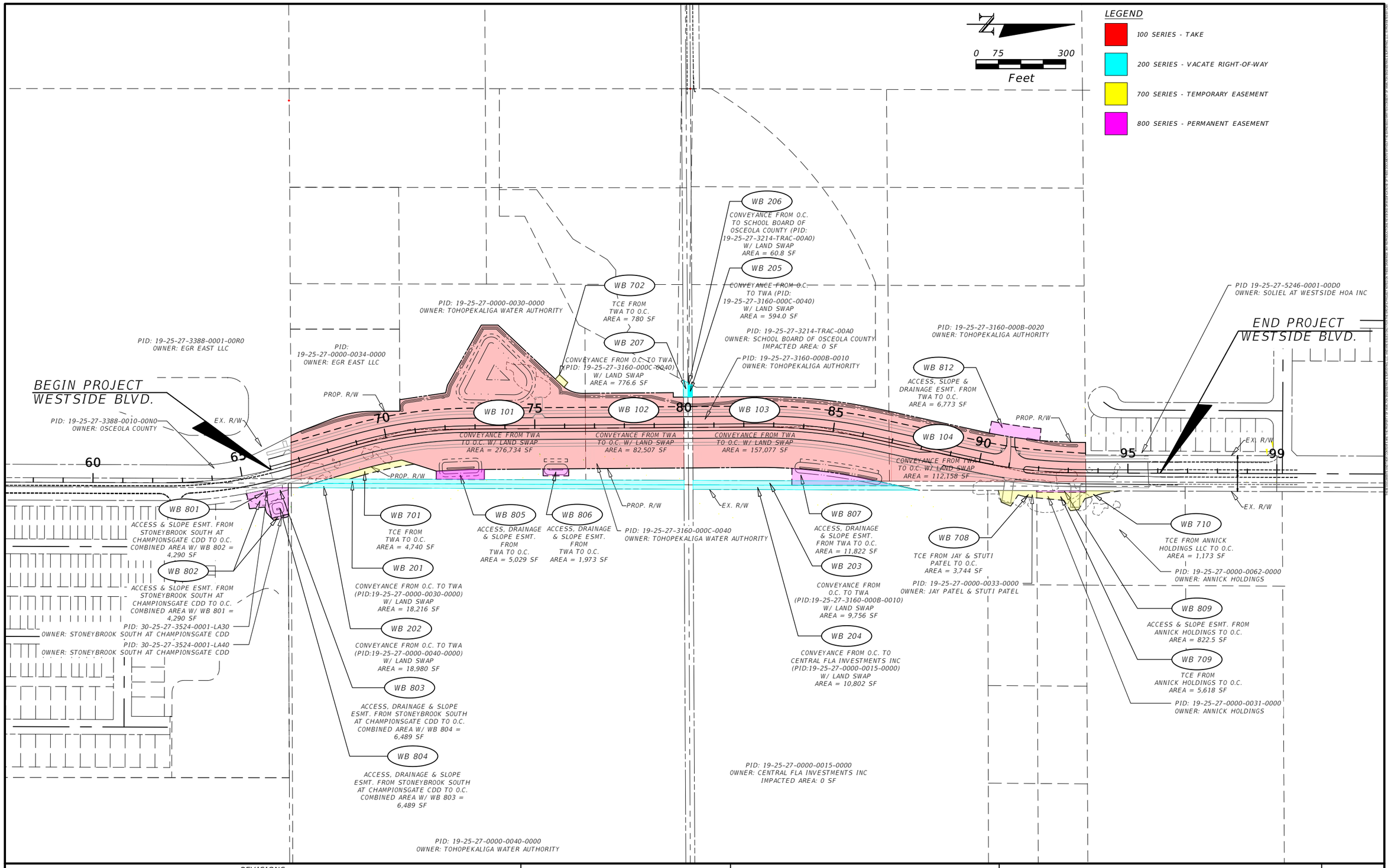
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID A. REID, P.E.
P.E. LICENSE NUMBER 38794
HAMILTON ENGINEERING & SURVEYING, LLC
431 E. HORATIO AVE., SUITE 260
ORLANDO, FL 32751
(407) 629-8330 EXT 150

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO. 65



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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(407) 629-8330 EXT 150

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

MASTER RIGHT-OF-WAY MAP

SHEET NO. 66

EricA Oct 31, 2023 - 12:59:13pm

L:\53509 Lennar Homes, LLC\0017 Westside Blvd Ext\ENGR\02 Master\1 DWGs\FINAL SET\63 RWMAP-OVERALL.dwg (63 WESTSIDE BLVD. RIGHT OF WAY EXHIBIT (1))

LEGEND

- 100 SERIES - TAKE
- 200 SERIES - VACATE RIGHT-OF-WAY
- 700 SERIES - TEMPORARY EASEMENT
- 800 SERIES - PERMANENT EASEMENT
- PINE TREE
- OAK TREE
- CONIFER TREE
- PALM TREE

N

0 15 60
Feet

PID: 19-25-27-3388-0001-00R0
OWNER: EGR EAST LLC

PID: 19-25-27-0000-0034-0000
OWNER: EGR EAST LLC

PROP. R/W

WB 101

CONVEYANCE FROM TWA
TO O.C. W/ LAND SWAP
AREA = 276,734 SF

70

TRACT "R"
FUTURE DEVELOPMENT
EDEN GARDENS-PHASE 1
PB 30, PGS 117-122

EX. R/W

BEGIN PROJECT
WESTSIDE BLVD.

MATCHLINE STA 71+50 - SEE SHEET 68

PID: 19-25-27-3388-0010-00N0
OWNER: OSCEOLA COUNTY

TRACT "N"
PB 30, PGS 117-122

65

PROP. R/W

WB 701

TCE FROM
TWA TO O.C.
AREA = 4,740 SF

SURVEYED TREE
DRIPLINE

WB 803

ACCESS, DRAINAGE & SLOPE ESMT. FROM
STONEYBROOK SOUTH AT CHAMPIONSGATE
CDD TO O.C.
COMBINED AREA W/ WB 804 = 6,489 SF

WB 201

CONVEYANCE FROM O.C. TO TWA
(PID:19-25-27-0000-0030-0000)
W/ LAND SWAP
AREA = 18,216 SF

TRACT LA-3

WB 801

ACCESS & SLOPE ESMT. FROM
STONEYBROOK SOUTH AT
CHAMPIONSGATE CDD TO O.C.
COMBINED AREA W/ WB 802 = 4,290 SF

WB 804

ACCESS, DRAINAGE & SLOPE ESMT.
FROM STONEYBROOK SOUTH AT
CHAMPIONSGATE CDD TO O.C.
COMBINED AREA W/ WB 803 = 6,489 SF

WB 202

CONVEYANCE FROM O.C. TO TWA
(PID:19-25-27-0000-0040-0000)
W/ LAND SWAP
AREA = 18,980 SF

PID: 30-25-27-3524-0001-LA30
OWNER: STONEYBROOK SOUTH AT CHAMPIONSGATE CDD

TRACT LS-1
STONEYBROOK SOUTH PHASE 4
PLAT BOOK 25, PAGE 166

WB 802

ACCESS & SLOPE ESMT. FROM
STONEYBROOK SOUTH AT CHAMPIONSGATE
CDD TO O.C.
COMBINED AREA W/ WB 801= 4,290 SF

PID: 30-25-27-3524-0001-LA40
OWNER: STONEYBROOK SOUTH AT CHAMPIONSGATE CDD

PID: 19-25-27-0000-0040-0000
OWNER: TOHOPEKALIGA WATER AUTHORITY

TRACT WC-1

TRACT LA-2

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) 629-8330 EXT 150

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT
DEPARTMENT

RIGHT-OF-WAY MAP

SHEET NO. 67

LEGEND

- 100 SERIES - TAKE
- 200 SERIES - VACATE RIGHT-OF-WAY
- 700 SERIES - TEMPORARY EASEMENT
- 800 SERIES - PERMANENT EASEMENT
- PINE TREE
- OAK TREE
- CONIFER TREE
- PALM TREE

N

0 15 60

Feet

PID: 19-25-27-0000-0030-0000
OWNER: TOHOPEKALIGA WATER AUTHORITY

POND 1
1.34 ACRES
NWL = 117.25'
DHW = 120.89'
(10YR/72HR)
DHW = 121.48'
(25YR/72HR)

SURVEYED TREE DRIPLINE

WB 702

TCE FROM TWA TO O.C.
AREA = 780 SF

PID: 19-25-27-3160-000C-0040
OWNER: TOHOPEKALIGA WATER AUTHORITY

PROP. R/W

WB 101

CONVEYANCE FROM TWA TO O.C. W/ LAND SWAP
AREA = 276,734 SF

WB 102

CONVEYANCE FROM TWA TO O.C. W/ LAND SWAP
AREA = 82,507 SF

75

MATCHLINE STA 71+50 - SEE SHEET 67

MATCHLINE STA 80+00 - SEE SHEET 69

WB 805

ACCESS, DRAINAGE & SLOPE ESMT. FROM TWA TO O.C.
AREA = 5,029 SF

WB 806

ACCESS, DRAINAGE & SLOPE ESMT. FROM TWA TO O.C.
AREA = 1,973 SF

PROP. R/W

EX. R/W

WB 202

CONVEYANCE FROM O.C. TO TWA
(PID:19-25-27-0000-0040-0000)
W/ LAND SWAP
AREA = 18,980 SF

WB 201

CONVEYANCE FROM O.C. TO TWA
(PID:19-25-27-0000-0030-0000)
W/ LAND SWAP
AREA = 18,216 SF

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID A. REID, P.E.
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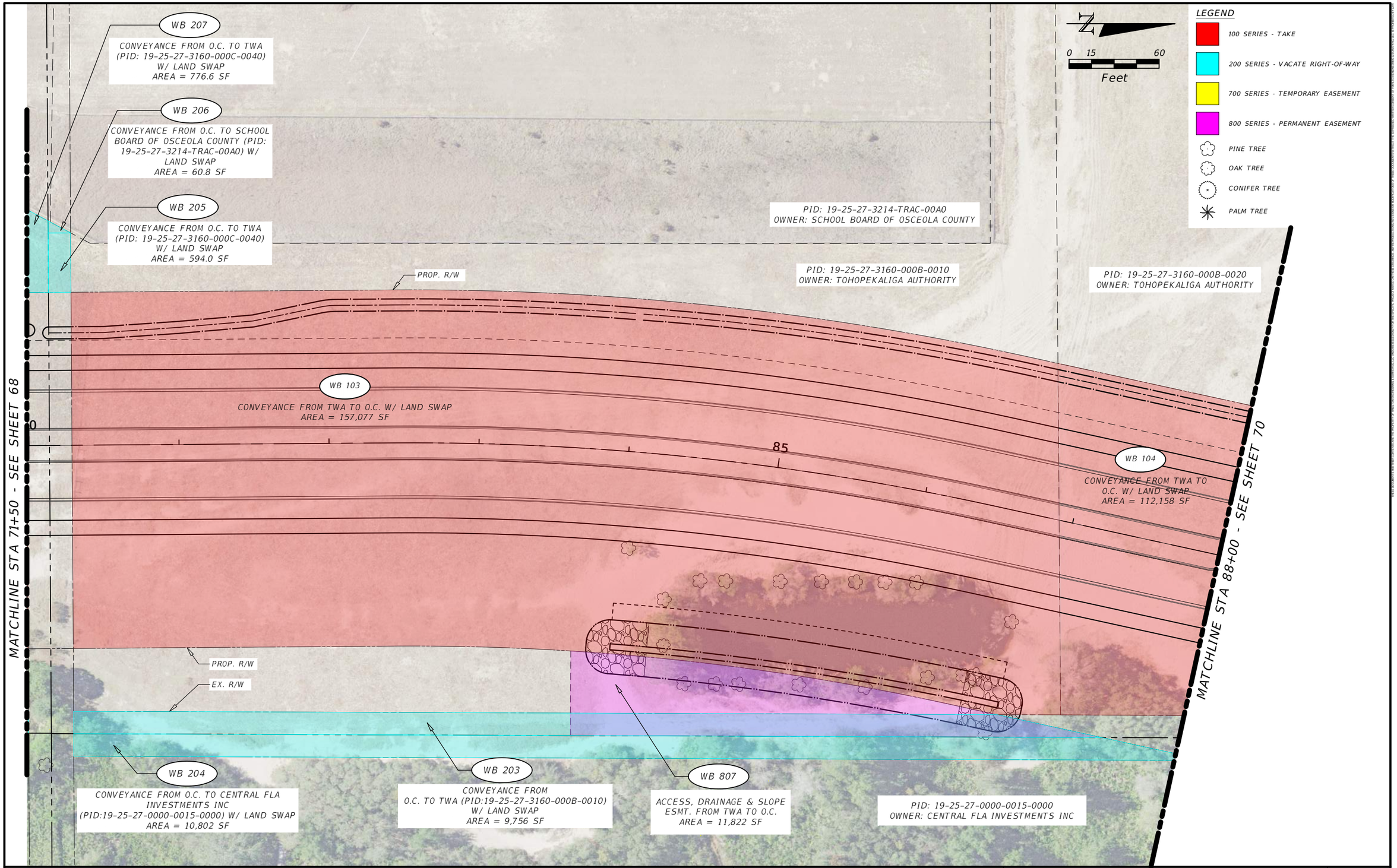
431 E. HORATIO AVE., SUITE 260
ORLANDO, FL 32751
(407) 629-8330 EXT 150

OSCEOLA COUNTY

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

RIGHT-OF-WAY MAP

SHEET NO. 68



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID A. REID, P.E.
P.E. LICENSE NUMBER 38794
HAMILTON ENGINEERING & SURVEYING, LLC
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ORLANDO, FL 32751
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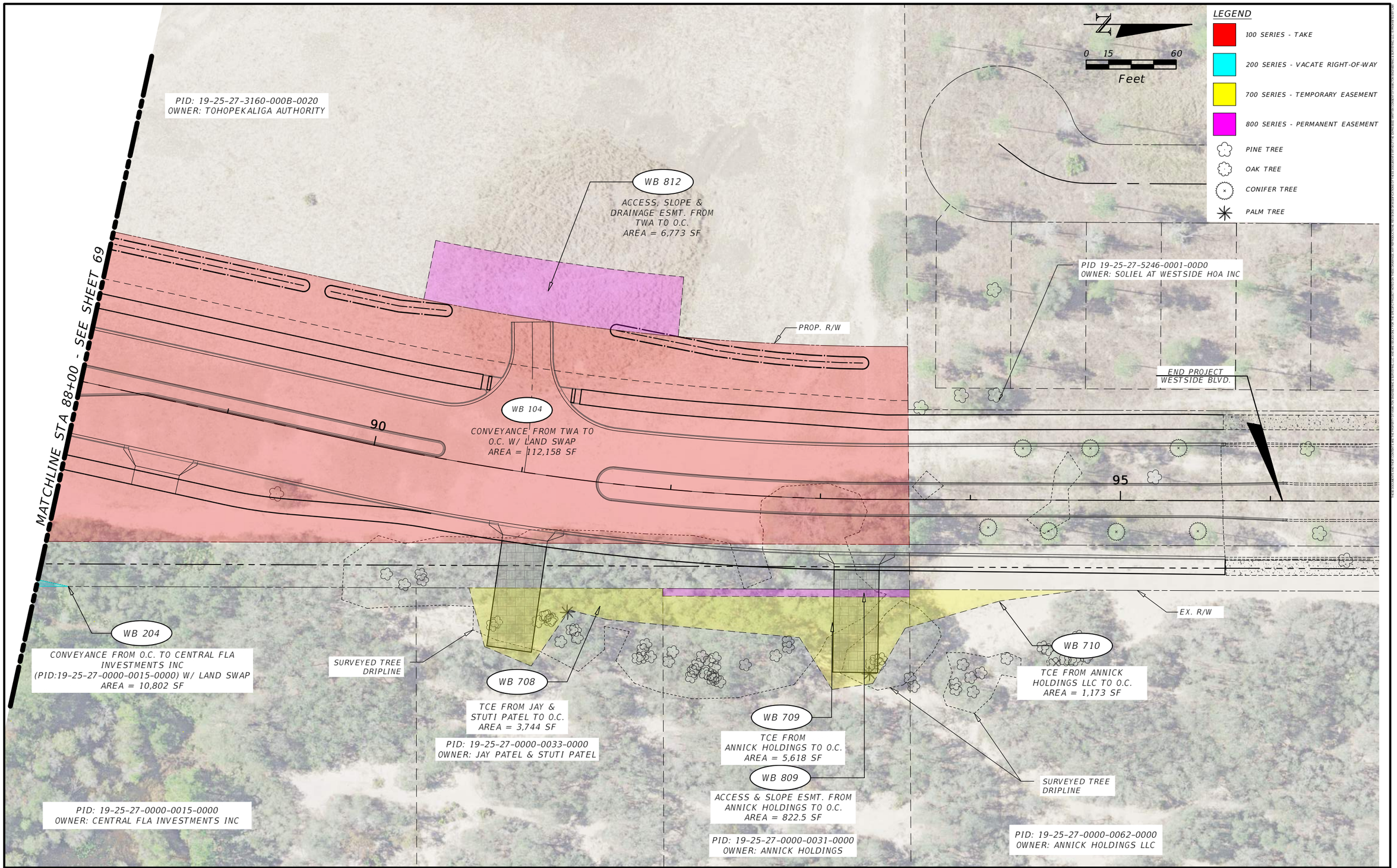
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

RIGHT-OF-WAY MAP

SHEET NO. 69



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID A. REID, P.E.
P.E. LICENSE NUMBER 38794
HAMILTON ENGINEERING & SURVEYING, LLC
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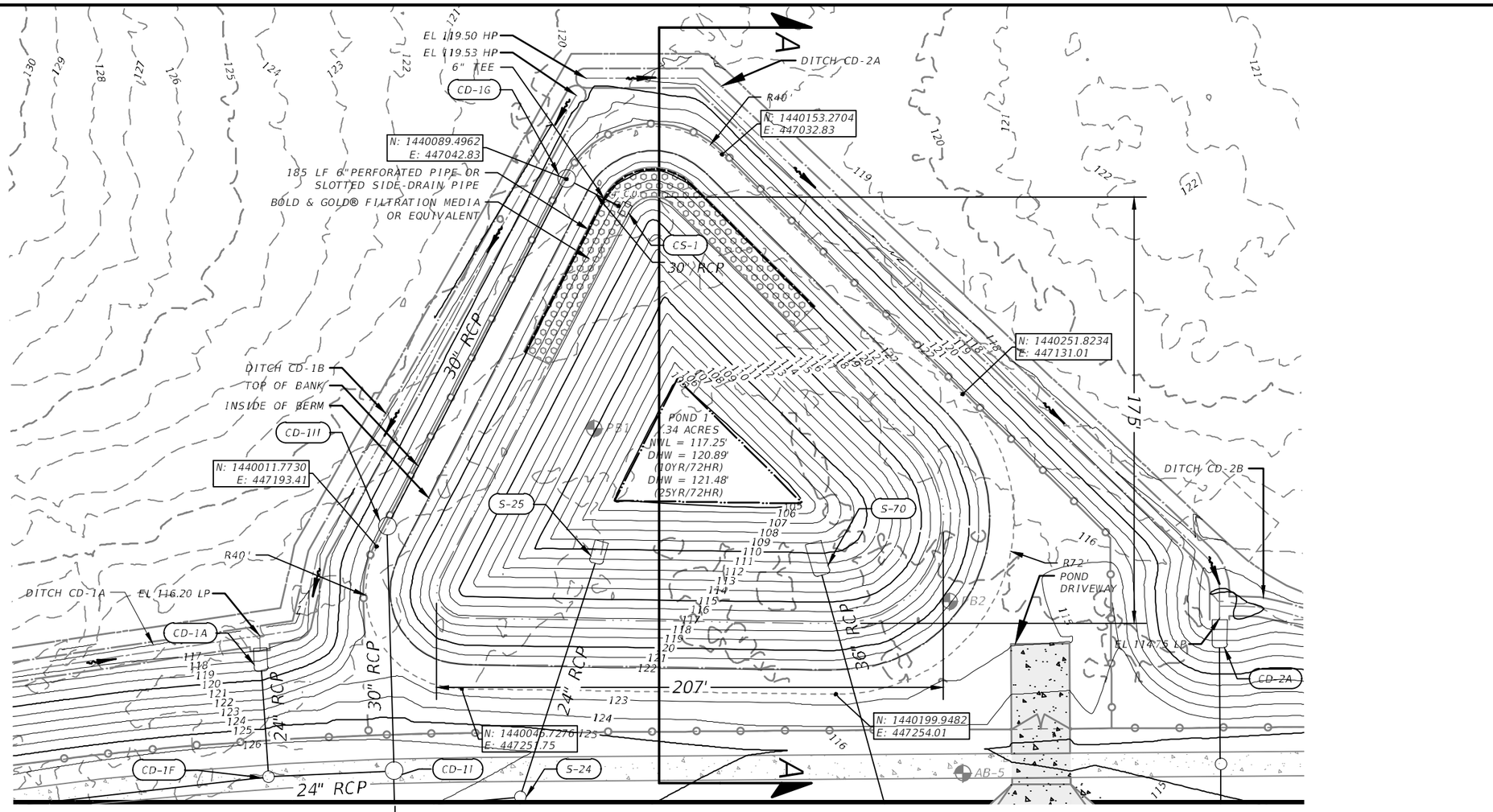
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

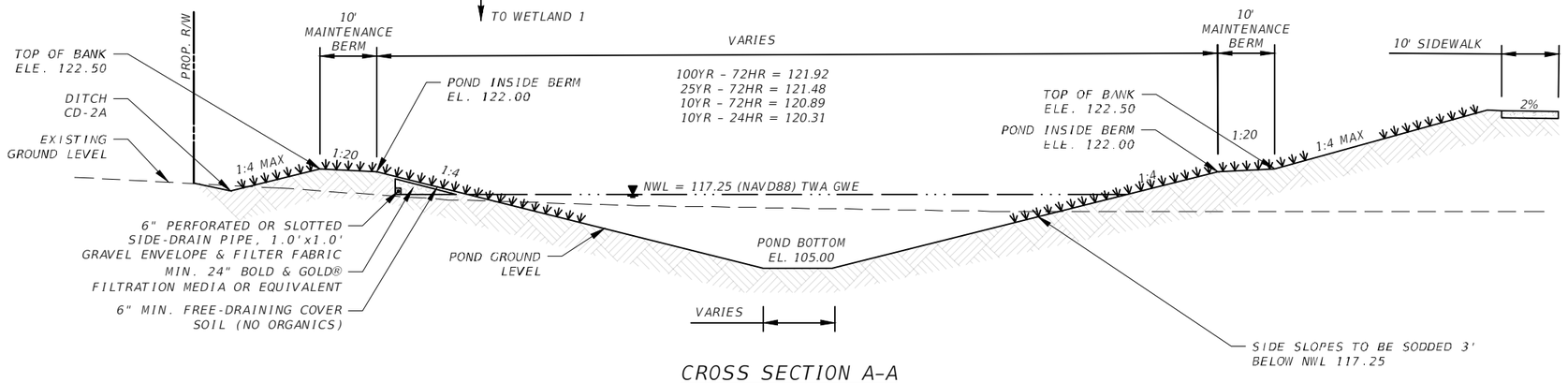
RIGHT-OF-WAY MAP

SHEET NO. 70

EricA Oct 31, 2023 - 12:14:14pm

L:\53509 Lennar Homes, LLC\0017 Westside Blvd Ext\ENGR\02 Master\1 DWGs\FINAL SET\63 RWMAP-50SC.dwg (67 RW MAP 5)





CROSS SECTION A-A
N.T.S.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID A. REID, P.E.
P.E. LICENSE NUMBER 38794
HAMILTON ENGINEERING & SURVEYING, LLC
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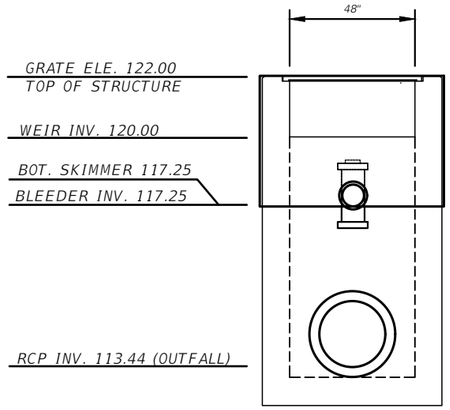
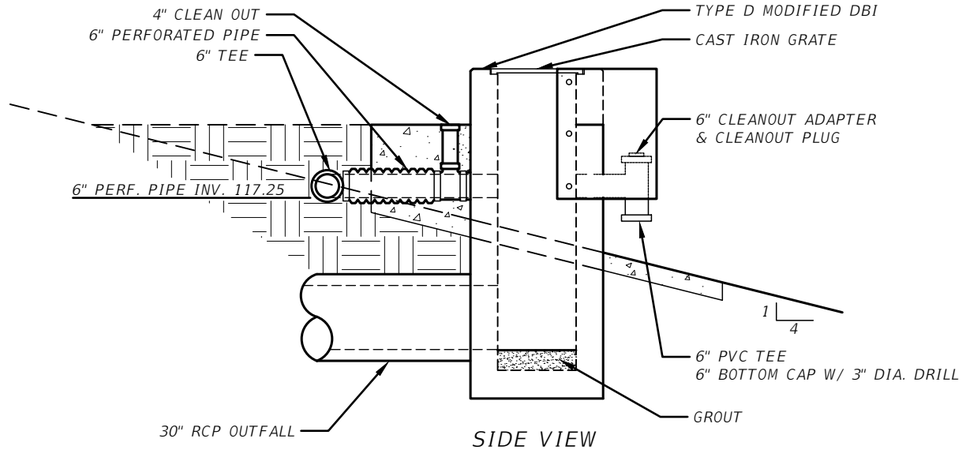
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

POND DETAILS

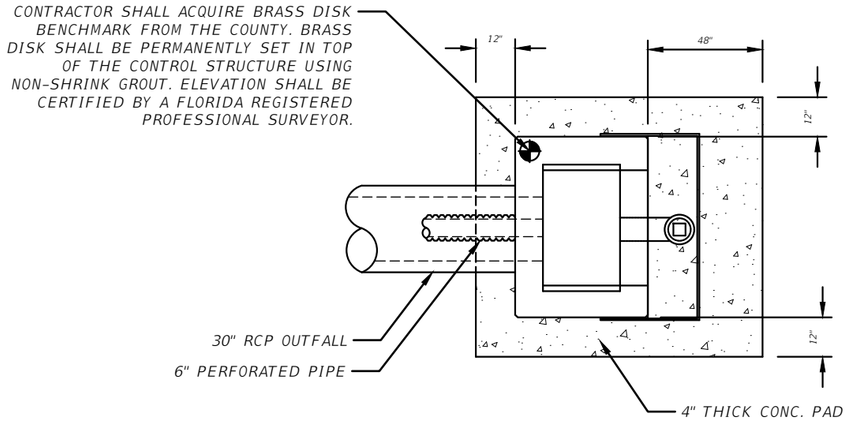
SHEET NO. 71



FRONT VIEW
N.T.S.



SIDE VIEW
N.T.S.



PLAN VIEW
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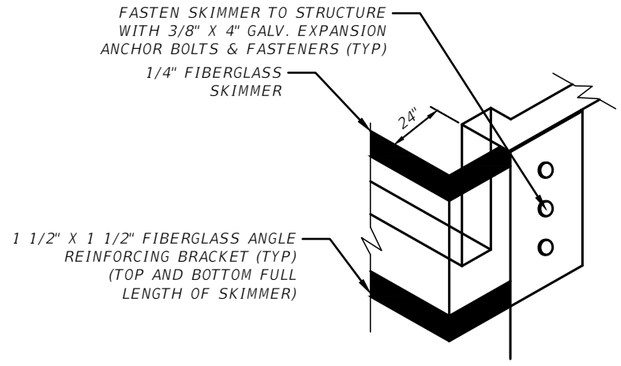

SKIMMER DETAIL
N.T.S.

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID A. REID, P.E.
P.E. LICENSE NUMBER 38794
HAMILTON ENGINEERING & SURVEYING, LLC
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OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

POND DETAILS

SHEET NO. 72

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+08 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: 9.73 ACRES
TOTAL AREA TO BE DISTURBED: 15.85 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'F 37.1"H N, LONGITUDE -82°‹ 38'F 54.8"H W
EST. DRAINAGE AREA SIZE: 9.73 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'F 37.1"H N, LONGITUDE -82°‹ 38'F 54.8"H W
EST. DRAINAGE AREA SIZE: 7.92 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'F 40.4"H N, LONGITUDE -82°‹ 38'F 54.8"H W
EST.DRAINAGE AREA SIZE: 17.16 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'F 48.4"H N, LONGITUDE -82°‹ 38'F 54.9"H 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'F 50.9"H N, LONGITUDE -82°‹ 38'F 54.4"H 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: 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 IS A TOTAL OF 1.25 ACRES OF SURFACE WATER IMPACTS, 0.34 ACRES OF PRIMARY WETLAND IMPACTS AND 3.29 ACRES OF 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 3.62 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.

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OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

STORM WATER POLLUTION PREVENTION PLAN

SHEET NO. 73

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 TARPAULINS.
- 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.

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			
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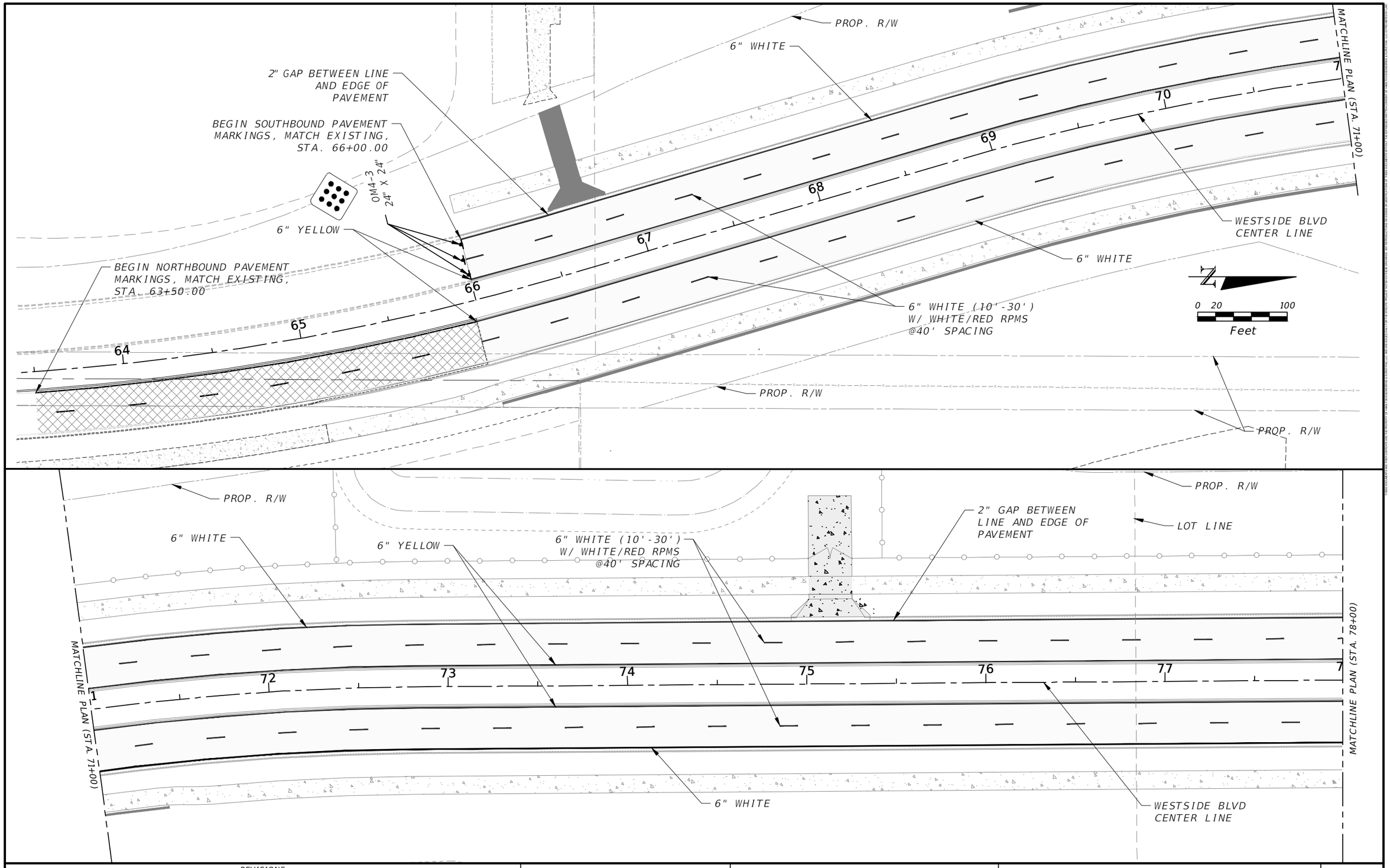
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

STORM WATER POLLUTION PREVENTION PLAN

SHEET NO. 74



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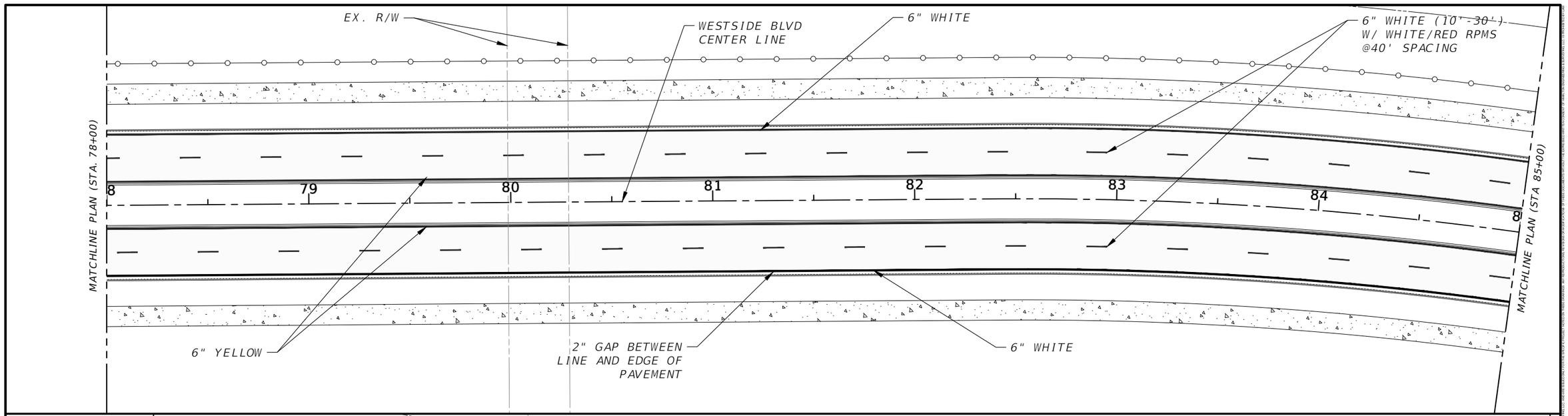
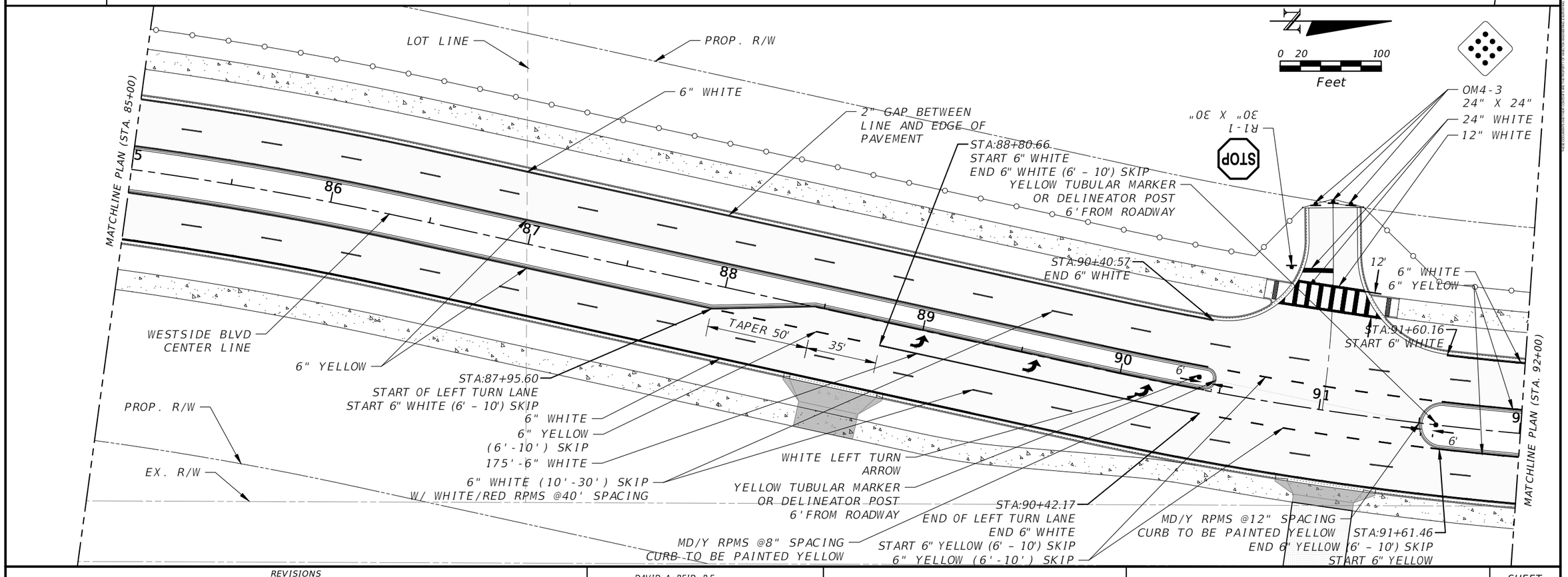
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

SIGNING AND PAVEMENT MARKING

SHEET NO. 75





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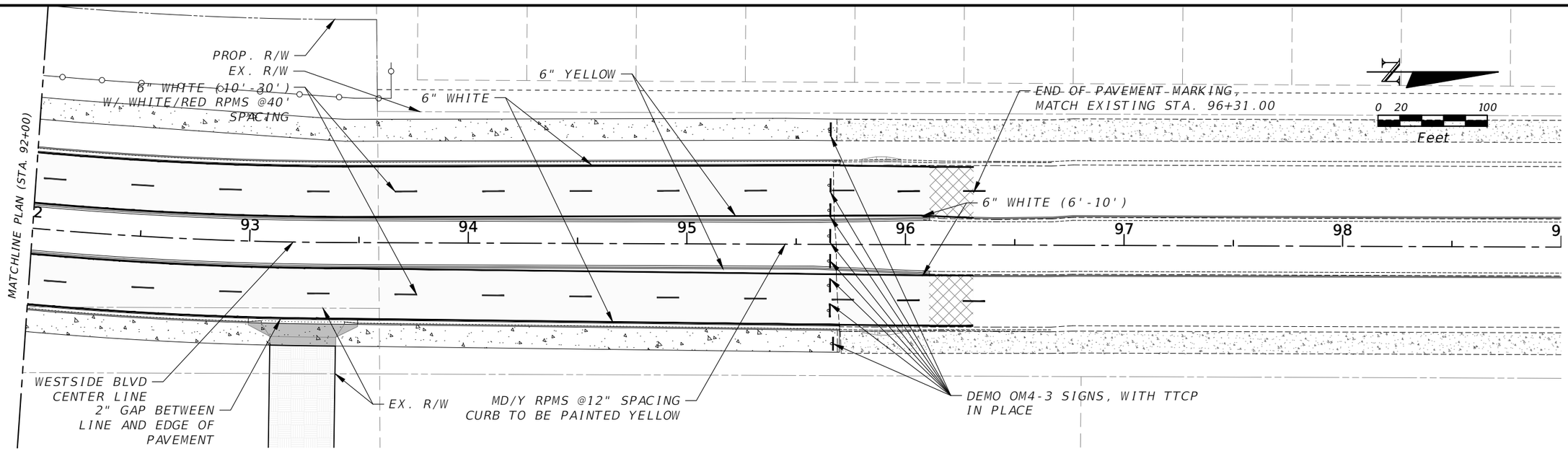
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

SIGNING AND PAVEMENT MARKING

SHEET NO. 76



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OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

SIGNING AND PAVEMENT MARKING

SHEET NO. 77

DATE OF SURVEY: JANUARY 2021 AND APRIL 2023
SURVEY MADE BY: GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
SUBMITTED BY: CRAIG G. BALLOCK, P.E.

SOIL SURVEY
FOR THE DESIGN OF ROADS AND PONDS

ROAD NO.: WESTSIDE BOULEVARD
COUNTY: OSCEOLA

PROJECT NAME: WESTSIDE BOULEVARD EXTENSION

STATIONS REFERENCE CENTERLINE OF CONSTRUCTION

BEGIN STA.: 66+00 END STA.: 92+94.73

	ORGANIC CONTENT		MOISTURE CONTENT		SIEVE ANALYSIS RESULTS PERCENT PASS (%)						ATTERBERG LIMITS (%)					CORROSION TEST RESULTS				
STRATUM NO.	NO. OF TESTS	% ORGANIC	NO. OF TESTS	MOISTURE CONTENT	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX	AASHTO GROUP	DESCRIPTION	NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDE ppm	SULFATES ppm	pH
1	3	0.8-1.9	3	6-24	15(FULL) 11(-200)	100	73-92	21-49	3-21	0-9	0	-	-	A-3	LIGHT BROWN TO DARK BROWN TO GRAY TO DARK GRAY FINE SAND TO FINE SAND WITH SILT, OCCASIONAL TRACE ORGANIC MATERIAL	0	-	-	-	-
2	1	2.3	1	21	1(FULL) 3(-200)	100	90	63	34	11-19	0	-	-	A-2-4	LIGHT BROWN TO DARK BROWN FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL TRACE ORGANIC MATERIAL	0	-	-	-	-
3	7	6.7-44	7	24-191	1(FULL) 6(-200)	100	94	70	52	9-85	0	-	-	A-8	DARK BROWN MUCKY FINE SAND TO SANDY MUCK TO MUCK	0	-	-	-	-

NOTES

1. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH TEST HOLE LOCATION ONLY. ANY STRATUM CONNECTING LINES THAT ARE SHOWN ARE FOR ESTIMATING EARTHWORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED AS INDICATED IN ARTICLE 2-4 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. FOR FURTHER DETAILS SEE ARTICLE 120-3.
2. WATER TABLE SHOWN AS ▼ WHERE ENCOUNTERED AT TIME OF SURVEY. GROUNDWATER NOT ENCOUNTERED SHOWN AS "GNE". ESTIMATED SEASONAL HIGH SHOWN AS ▽ . $\frac{▽}{AGS}$ INDICATES THE SEASONAL HIGH GROUNDWATER LEVEL IS ESTIMATED TO BE ABOVE THE EXISTING GROUND SURFACE. THE HEIGHT TO WHICH THE WATER LEVEL MAY RISE ABOVE THE GROUND SURFACE IS NOT IDENTIFIED.
3. SOIL ANALYSIS INCLUDES DATA FROM ROADWAY AND POND AREAS.
4. THE SYMBOL "-" REPRESENTS AN UNMEASURED PARAMETER.
5. STRATA 1 AND 2 SHALL BE TREATED AS SELECT (S) MATERIAL IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-001.
6. STRATUM 2 MAY RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT. IT SHOULD BE USED IN THE EMBANKMENT ABOVE THE WATER LEVEL AT THE TIME OF CONSTRUCTION.
7. STRATUM 3 SHALL BE TREATED AS MUCK (M) IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-001 AND SHALL BE REMOVED IN ACCORDANCE WITH THE STANDARD PLANS INDEX 120-002 UNLESS INDICATED AS "TO REMAIN" ON THE PROJECT CROSS SECTIONS

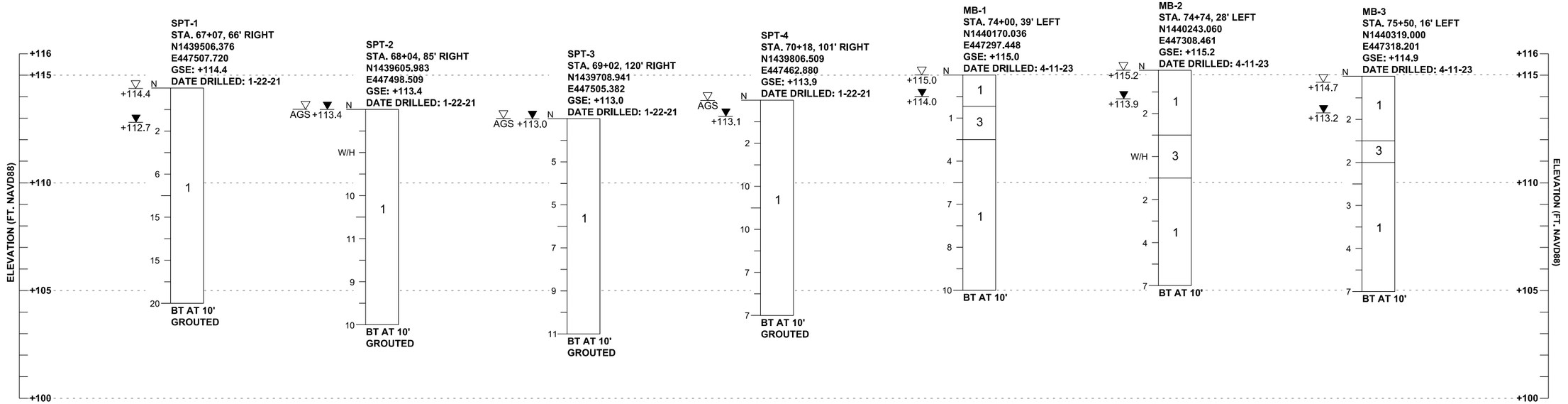
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Geotechnical and Environmental Consultants, Inc.
2510 MICHIGAN AVE., SUITE D
KISSIMMEE, FL 34744
CRAIG G. BALLOCK, P.E.
P.E. LICENSE NUMBER 71571

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

SOIL SURVEY

SHEET NO. 78



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
▽ +114.4	ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
▼ +112.7	ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88)
BT	BORING TERMINATED AT DEPTH INDICATED

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	LIGHT BROWN TO DARK BROWN FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL TRACE ORGANIC MATERIAL
3	A-8	DARK BROWN MUCKY FINE SAND TO SANDY MUCK TO MUCK

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 PERFORMED IN 2021 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). BORING LOCATIONS PERFORMED IN 2023 WERE NOT SURVEYED. GROUND SURFACE ELEVATIONS WERE ESTIMATED USING PROJECT CROSS SECTIONS PROVIDED BY HAMILTON ENGINEERING AND SURVEYING, LLC.

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

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

GRANULAR SOILS	AUTOMATIC HAMMER N VALUE (blows per foot)	RELATIVE DENSITY
SANDS	0-3	VERY LOOSE
	3-8	LOOSE
	8-24	MEDIUM DENSE
	24-40	DENSE
	OVER 40	VERY DENSE

NON-GRANULAR SOILS	AUTOMATIC HAMMER N VALUE (blows per foot)	CONSISTENCY
SILTS, CLAYS, MUCK, PEAT	0-1	VERY SOFT
	1-3	SOFT
	3-6	FIRM
	6-12	STIFF
	12-24	VERY STIFF
	OVER 24	HARD

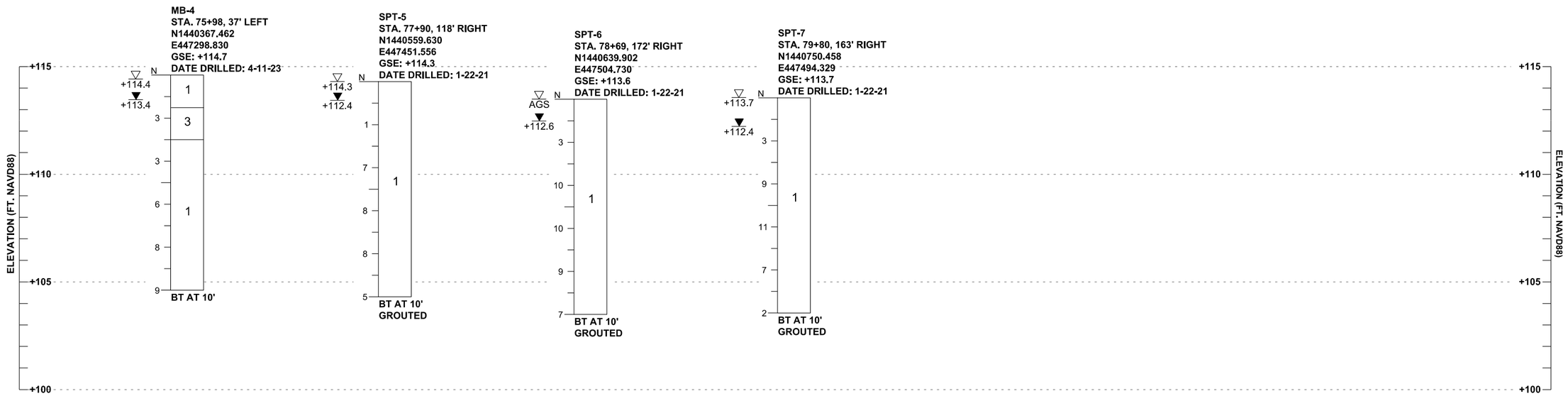
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Geotechnical and Environmental Consultants, Inc.
2510 MICHIGAN AVE., SUITE D
KISSIMMEE, FL 34744
CRAIG G. BALLOCK, P.E.
P.E. LICENSE NUMBER 71571

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

ROADWAY SPT BORING RESULTS

SHEET NO. 79



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
▽ +114.4	ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
▼ +113.4	ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88)
BT	BORING TERMINATED AT DEPTH INDICATED

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	LIGHT BROWN TO DARK BROWN FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL TRACE ORGANIC MATERIAL
3	A-8	DARK BROWN MUCKY FINE SAND TO SANDY MUCK TO MUCK

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 PERFORMED IN 2021 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). BORING LOCATIONS PERFORMED IN 2023 WERE NOT SURVEYED. GROUND SURFACE ELEVATIONS WERE ESTIMATED USING PROJECT CROSS SECTIONS PROVIDED BY HAMILTON ENGINEERING AND SURVEYING, LLC.

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

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

GRANULAR SOILS	AUTOMATIC HAMMER N VALUE (blows per foot)	RELATIVE DENSITY
SANDS	0-3	VERY LOOSE
	3-8	LOOSE
	8-24	MEDIUM DENSE
	24-40	DENSE
	OVER 40	VERY DENSE

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	1-3	SOFT
	3-6	FIRM
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DATE	DESCRIPTION	DATE	DESCRIPTION

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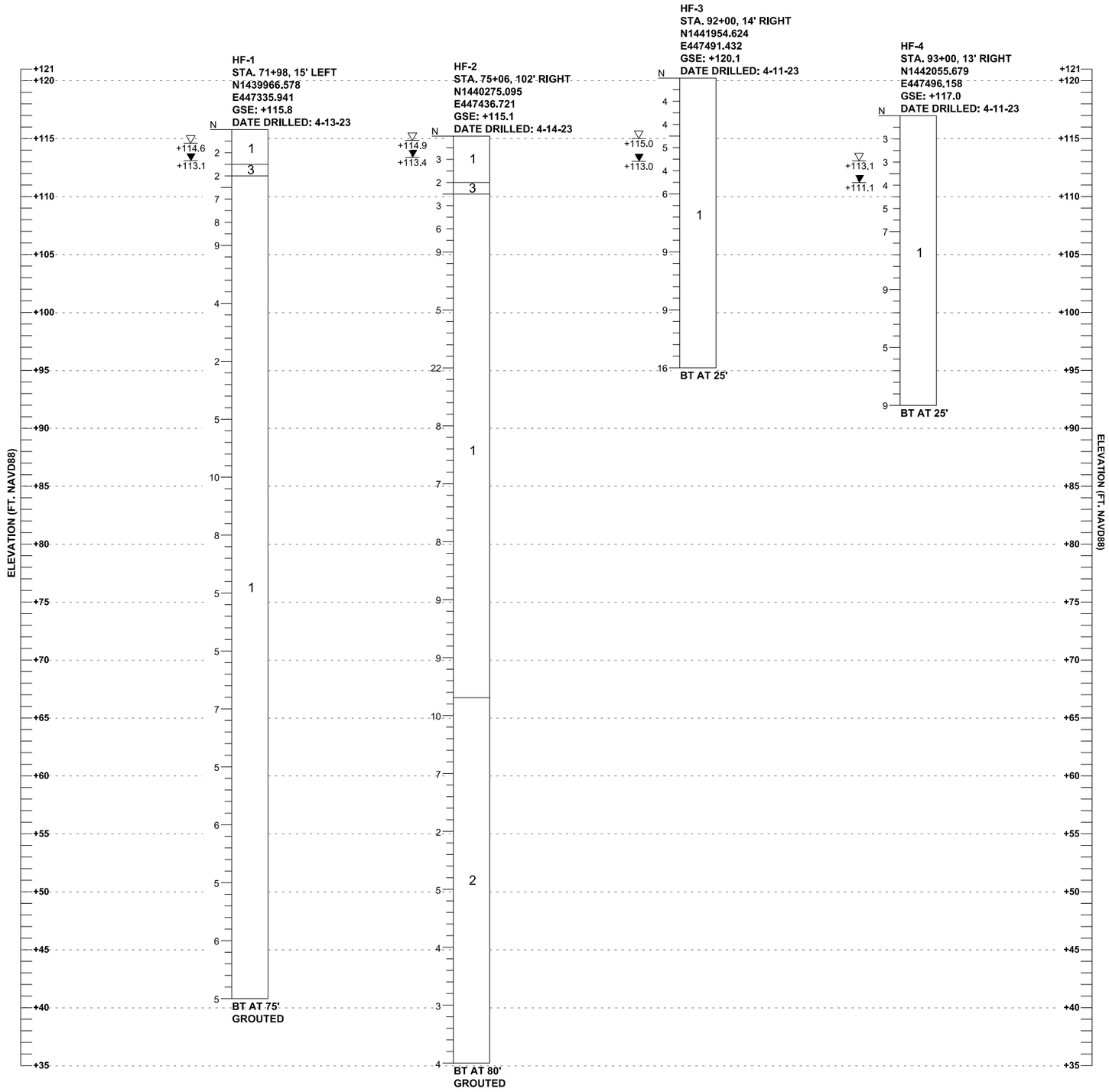
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

ROADWAY SPT BORING RESULTS

SHEET NO. 80



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
+114.4	ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
+113.4	ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88)
BT	BORING TERMINATED AT DEPTH INDICATED

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
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GENERAL NOTES

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HAMMER WEIGHT: 140 LBS.

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

NON-GRANULAR SOILS	AUTOMATIC HAMMER N VALUE (blows per foot)	CONSISTENCY
SILTS, CLAYS, MUCK, PEAT	0-1	VERY SOFT
	1-3	SOFT
	3-6	FIRM
	6-12	STIFF
	12-24	VERY STIFF
	OVER 24	HARD

GRANULAR SOILS	AUTOMATIC HAMMER N VALUE (blows per foot)	RELATIVE DENSITY
SANDS	0-3	VERY LOOSE
	3-8	LOOSE
	8-24	MEDIUM DENSE
	24-40	DENSE
	OVER 40	VERY DENSE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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KISSIMMEE, FL 34744
CRAIG G. BALLOCK, P.E.
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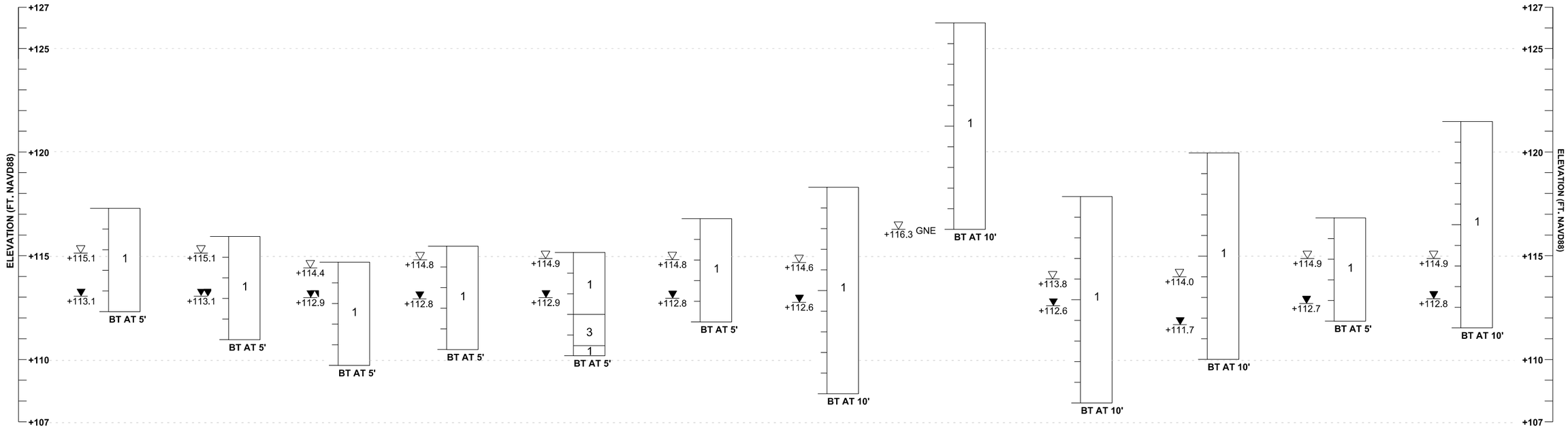
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

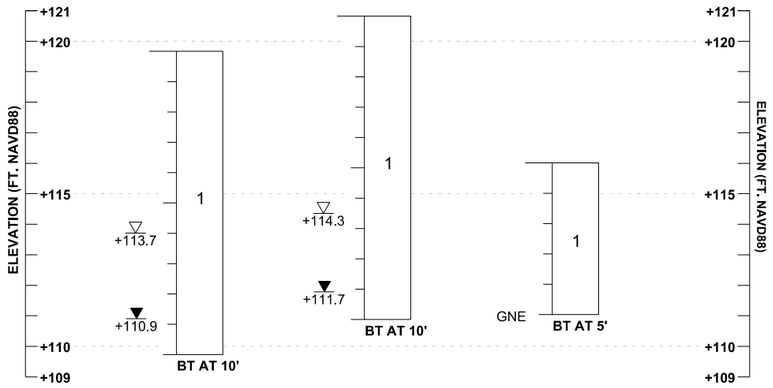
ROADWAY SPT BORING RESULTS

SHEET NO. 81

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+89	68+83	70+89	72+89	74+83	76+84	78+85	80+80	82+79	84+77	86+70	88+74
OFFSET	8' LEFT	21' RIGHT	13' LEFT	23' LEFT	50' LEFT	67' LEFT	20' LEFT	59' LEFT	10' LEFT	64' LEFT	10' LEFT	56' 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	AB-15
STATION	90+74	92+69	95+00
OFFSET	2' RIGHT	7' LEFT	45' RIGHT
NORTHING	1441830.763	1442025.353	1442256.934
EASTING	447463.289	447475.561	447529.419
GSE	+119.7	+120.8	+116.0
DATE DRILLED	1-16-21	1-16-21	4-11-23



LEGEND

GSE GROUND SURFACE ELEVATION (FT. NAVD88)

1 STRATUM NUMBER

+114.7 ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)

+112.0 ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88)

GNE GROUNDWATER NOT ENCOUNTERED

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 LABORATORY TESTING.

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3	A-8	DARK BROWN MUCKY FINE SAND TO SANDY MUCK TO MUCK

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

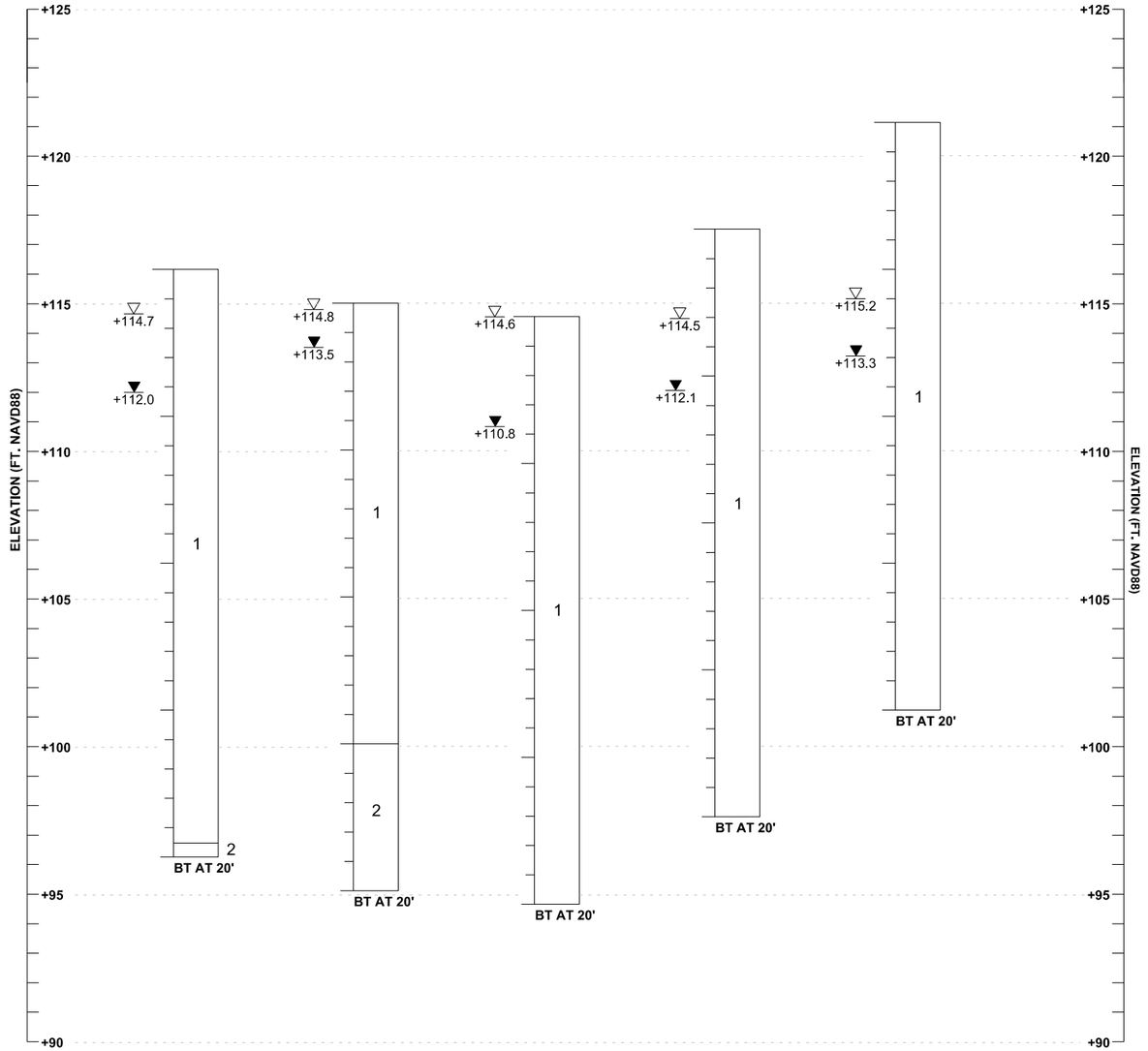
Geotechnical and Environmental Consultants, Inc.
2510 MICHIGAN AVE., SUITE D
KISSIMMEE, FL 34744
CRAIG G. BALLOCK, P.E.
P.E. LICENSE NUMBER 71571

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

ROADWAY AUGER BORING RESULTS

SHEET NO. 82

POND NAME:	POND 1			NO LONGER PROPOSED FLOOD PLAIN COMPENSATION AREA	
BORING NO.	PB-1	PB-5	PB-2	PB-3	PB-4
STATION	73+34	74+00	74+78	80+61	82+43
OFFSET	192' LEFT	152' LEFT	120' LEFT	116' RIGHT	163' RIGHT
NORTHING	1440100.847	1440167.727	1440246.380	1440831.175	1441013.309
EASTING	447145.131	447185.760	447216.000	447447.294	447493.823
GSE	+116.2	+115.0	+114.6	+117.5	+121.2
DATE DRILLED	2-18-21	4-14-23	2-18-21	2-18-21	2-18-21



LEGEND

GSE	GROUND SURFACE ELEVATION (FT. NAVD88)
1	STRATUM NUMBER
+114.7	ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
+112.0	ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88)
BT	BORING TERMINATED AT DEPTH INDICATED

GENERAL NOTES

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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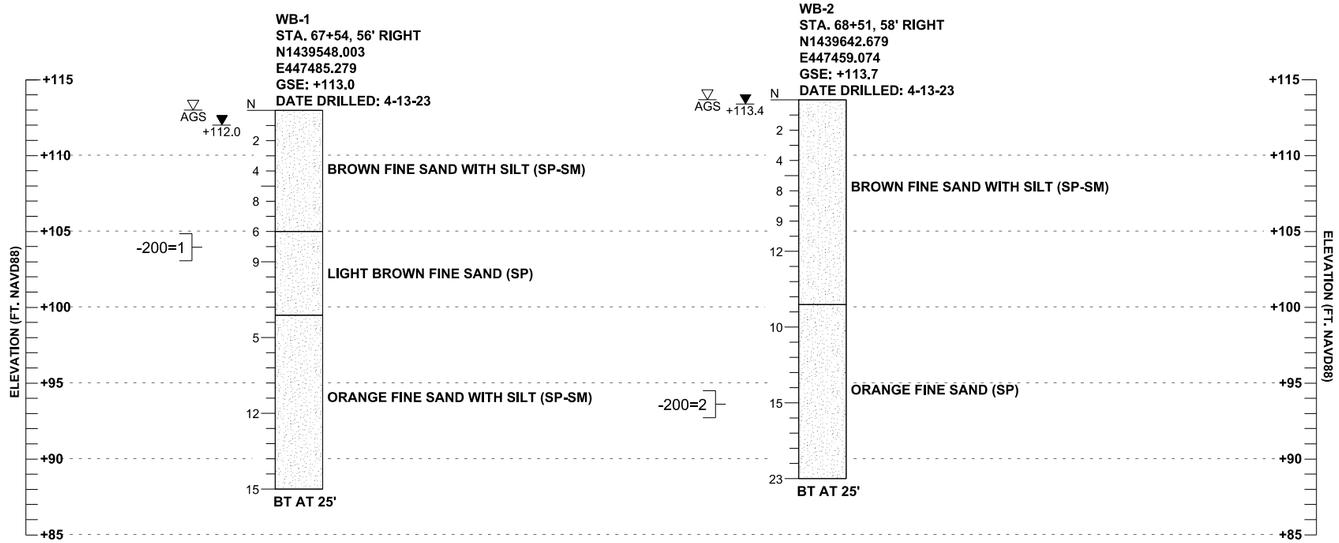
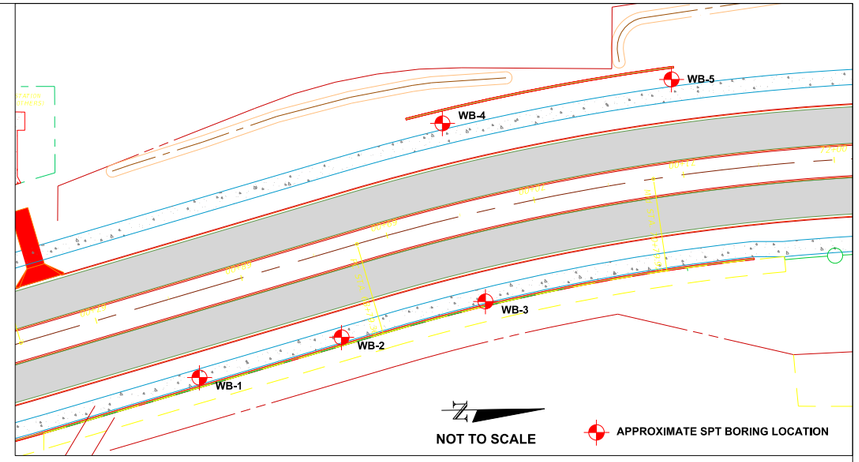
2510 MICHIGAN AVE., SUITE D
KISSIMMEE, FL 34744
CRAIG G. BALLOCK, P.E.
P.E. LICENSE NUMBER 71571

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

POND BORING RESULTS

SHEET NO. 83





LEGEND

GSE	GROUND SURFACE ELEVATION (FT. NAVD88)
N	STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
GNE	GROUNDWATER NOT ENCOUNTERED
AGS	ESTIMATED SEASONAL HIGH GROUNDWATER LEVEL ABOVE GROUND SURFACE
+113.6	ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
+110.9	ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) 24 HRS. AFTER DATE DRILLED
BT	BORING TERMINATED AT DEPTH INDICATED
-200=	PERCENT PASSING NO. 200 U.S. STANDARD SIEVE

SAND

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.

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AUTOMATIC HAMMER			
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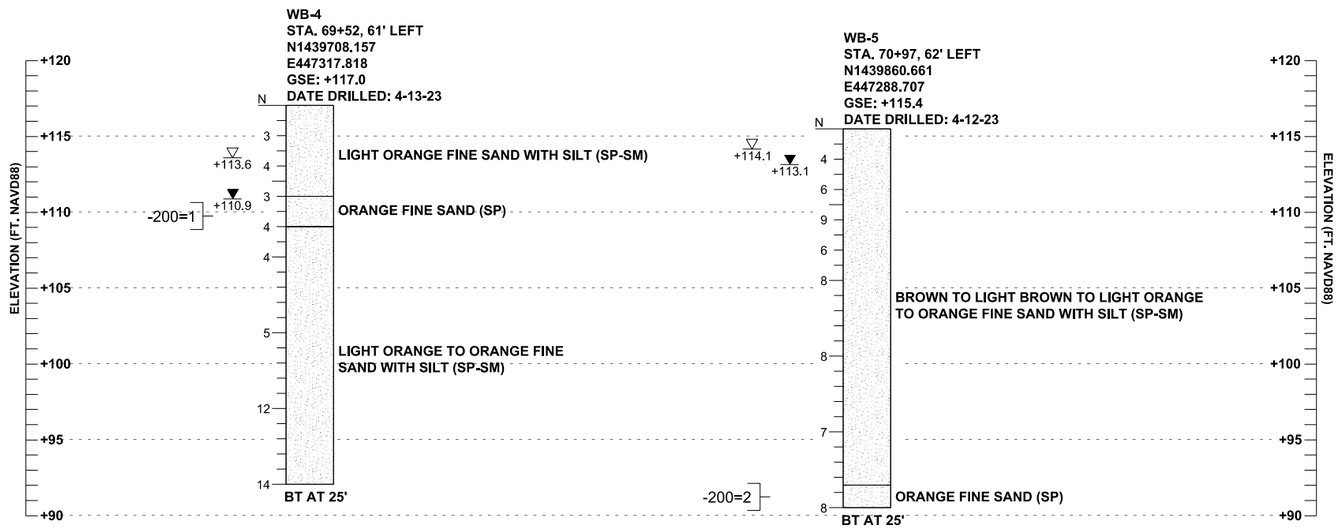
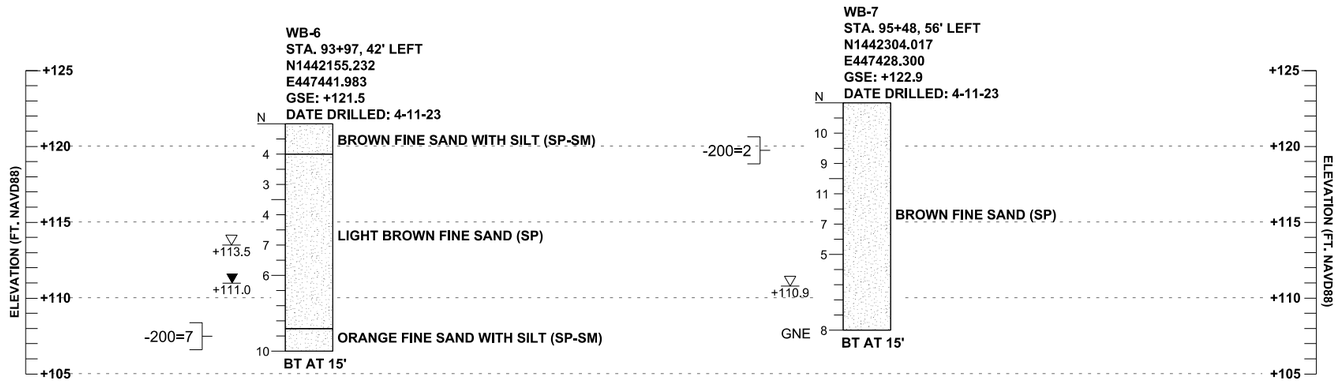
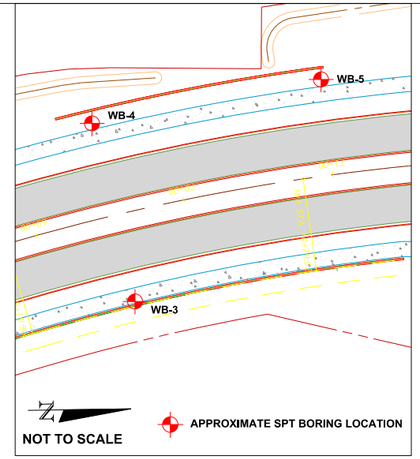
OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

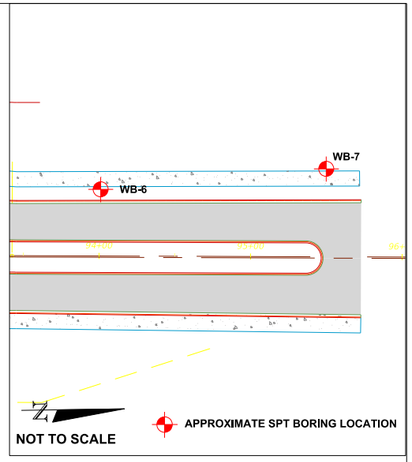
WALL SPT BORING RESULTS

SHEET NO. 84









LEGEND

GSE	GROUND SURFACE ELEVATION (FT. NAVD88)
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GNE	GROUNDWATER NOT ENCOUNTERED
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-200=	PERCENT PASSING NO. 200 U.S. STANDARD SIEVE

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OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

WALL SPT BORING RESULTS

SHEET NO. 85

LEGEND

LIGHT POST

TREE AND PIPE NOTE: THERE SHALL BE A MINIMUM OF 5' OF HORIZONTAL DISTANCE BETWEEN THE OUTSIDE OF TREE ROOT BALLS AND ANY TWA OWNED INFRASTRUCTURE

0 10 40
Feet

PARCEL ID: 19-25-27-0000-0034-0000
OWNER: EGR EAST LLC

EX. LIFT STATION TRACT (BY OTHERS)

EX. LIFT STATION TRACT (BY OTHERS)

CLEAR SIGHT TRIANGLES PER FDM #212.11, TYP.

PROP. DRIVEWAY

AR 13

sodb 10,511 sf

sodb 725 sf

SP 4

In 18

Zp 18

sodb 41,991 sf

Zp 18

PT STA. 69+48.19

SB WESTSIDE BLVD

NB WESTSIDE BLVD

PC STA. 68+79.36

MATCHLINE STA. 69+00.00

ROOTBALL

BEGIN PROJECT
BEGIN CONSTRUCTION NB & SB
MATCH PROJECT BY OTHERS
STA. 66+00.00

FUT. SB WESTSIDE BLVD (BY OTHERS)

BEGIN CONSTRUCTION NB
STA. 63+50.00

64 65 66 67 68

PROP. R/W

STREET TREES PLACED 3/100 LF AND ADJUSTED FOR STREET LIGHTS, UTILITIES, AND DRIVEWAYS, TYP.

PARCEL ID: 19-25-27-0000-0040-0000
OWNER: TOHOPEKALIGA WATER AUTHORITY

℄ CONST. WESTSIDE BLVD

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Todd W. Bonnett, RLA # FL0001718
BONNETT design group, llc
landscape architecture . community planning
400 South Orlando Ave. Suite 201 . Maitland, FL 32751
407.622.1588
www.BonnettDesignGroup.com

OSCEOLA COUNTY
OSCEOLA COUNTY TRANSPORTATION AND TRANSIT DEPARTMENT

LANDSCAPE PLAN

SHEET NO. 86

LEGEND

LIGHT POST

0 10 40
Feet

TREE AND PIPE NOTE: THERE SHALL BE A MINIMUM OF 5' OF HORIZONTAL DISTANCE BETWEEN THE OUTSIDE OF TREE ROOT BALLS AND ANY TWA OWNED INFRASTRUCTURE

PARCEL ID: 19-25-27-0000-0034-0000
OWNER: EGR EAST LLC

CLEAR SIGHT TRIANGLES PER FDM #212.11, TYP.

PARCEL ID: 19-25-27-0000-0030-0000
OWNER: TOHOPEKALIGA WATER AUTHORITY
IMPACTED AREA: 279,852 SF

PROP. R/W

POND 1
1.34 ACRES
NWL = 117.25'
DHW = 120.89'
(10YR/72HR)
DHW = 121.48'
(25YR/72HR)

AR 17
QS 10
Zp 18
In 18
Zp 18
In 18
In 18
Zp 18
SP 5

125.68'

MATCHLINE STA. 69+00.00

NB WESTSIDE BLVD

SB WESTSIDE BLVD

PT STA. 74+80.48

MATCHLINE STA. 74+50.00

STREET TREES PLACED 3/100 LF AND ADJUSTED FOR STREET LIGHTS, UTILITIES, AND DRIVEWAYS, TYP.

PROP. R/W

PARCEL ID: 19-25-27-0000-0040-0000
OWNER: TOHOPEKALIGA WATER AUTHORITY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Todd W. Bonnett, RLA # FL0001718
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OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

LANDSCAPE PLAN

SHEET NO. 87

LEGEND

LIGHT POST

TREE AND PIPE NOTE: THERE SHALL BE A MINIMUM OF 5' OF HORIZONTAL DISTANCE BETWEEN THE OUTSIDE OF TREE ROOT BALLS AND ANY TWA OWNED INFRASTRUCTURE

N

0 10 40

Feet

PARCEL ID: 19-25-27-0000-0030-0000
OWNER: TOHOPEKALIGA WATER AUTHORITY

sodb
19,462 sf

CLEAR SIGHT TRIANGLES PER FDM #212.11, TYP.

PROP. R/W

QS
25

MATCHLINE STA. 74+50.00

MATCHLINE STA. 80+50.00

SB WESTSIDE BLVD

In
18

Zp
18

In
18

SP
6

In
18

Zp
18

75 76 77 78 79 80

Zp
18

NB WESTSIDE BLVD

ROOTBALL

STREET TREES PLACED 3/100 LF AND ADJUSTED FOR STREET LIGHTS, UTILITIES, AND DRIVEWAYS, TYP.

PARCEL ID: 19-25-27-3160-000C-0040
OWNER: TOHOPEKALIGA WATER AUTHORITY

PROP. R/W

PARCEL ID: 19-25-27-3160-000C-0040
OWNER: TOHOPEKALIGA WATER AUTHORITY
IMPACTED AREA: 76,858 SF

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

LANDSCAPE PLAN

SHEET NO. 88

LEGEND

LIGHT POST

TREE AND PIPE NOTE: THERE SHALL BE A MINIMUM OF 5' OF HORIZONTAL DISTANCE BETWEEN THE OUTSIDE OF TREE ROOT BALLS AND ANY TWA OWNED INFRASTRUCTURE

0 10 40
Feet

PARCEL ID:
19-25-27-3214-TRAC-00A0
OWNER:
SCHOOL BOARD OF OSCEOLA COUNTY

PARCEL ID:
1925273160000B0010
OWNER: TOHOPEKALIGA
WATER AUTHORITY

STREET TREES PLACED 3/100 LF AND ADJUSTED FOR STREET LIGHTS, UTILITIES, AND DRIVEWAYS, TYP.

PROP. R/W

QS 1

QV 27

In 18

SB WESTSIDE BLVD

Zp 18

In 18

SP 5

Zp 18

In 18

81 82 83 84 85 86

MATCHLINE STA. 80+50.00

PC STA. 81+43.38

NB WESTSIDE BLVD

MATCHLINE STA. 86+20.00

PARCEL ID 19-25-27-3160-000B-0010
OWNER: TOHOPEKALIGA AUTHORITY

PROP. R/W

CLEAR SIGHT TRIANGLES PER FDM #212.11, TYP.

PARCEL ID 19-25-27-3160-000B-0010
OWNER: TOHOPEKALIGA AUTHORITY
IMPACTED AREA: 172,487 SF

PARCEL ID: 19-25-27-0000-0015-0000
OWNER: CENTRAL FLA INVESTMENTS INC

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

LANDSCAPE PLAN

SHEET NO. 89

PARCEL ID 19-25-27-3160-000B-0020
OWNER: TOHOPEKALIGA AUTHORITY

LEGEND

LIGHT POST

TREE AND PIPE NOTE: THERE SHALL BE A MINIMUM OF 5' OF HORIZONTAL DISTANCE BETWEEN THE OUTSIDE OF TREE ROOT BALLS AND ANY TWA OWNED INFRASTRUCTURE

0 10 40
Feet

STREET TREES PLACED 3/100 LF AND ADJUSTED FOR STREET LIGHTS, UTILITIES, AND DRIVEWAYS, TYP.

QV 15

Zp 18

SP 1

CLEAR SIGHT TRIANGLES PER FDM #212.11, TYP.

PROP. R/W

MATCHLINE STA. 86+20.00

SB WESTSIDE BLVD

NB WESTSIDE BLVD

PT STA 88+43.63

PC STA 86+88.13

MATCHLINE STA. 92+00.00

sodb 27,113 sf

sodb 1,237 sf

100' SPECIAL AREA PER FDM #212.11

8'x8' RAMP

PARCEL ID: 19-25-27-0000-0015-0000
OWNER: CENTRAL FLA INVESTMENTS INC

REVISIONS			
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OSCEOLA COUNTY
OSCEOLA COUNTY TRANSPORTATION AND TRANSIT DEPARTMENT

LANDSCAPE PLAN

SHEET NO. 90

PARCEL ID 19-25-27-3160-000B-0020
OWNER: TOHOPEKALIGA AUTHORITY

PARCEL ID
19-25-27-3160-000B-0030
OWNER: MATTAMY ORLANDO LLC

LEGEND

LIGHT POST

TREE AND PIPE NOTE: THERE SHALL BE A MINIMUM OF 5' OF HORIZONTAL DISTANCE BETWEEN THE OUTSIDE OF TREE ROOT BALLS AND ANY TWA OWNED INFRASTRUCTURE

TURQUOISE WAVES COVE

(52.00' WIDE R/W)

N

0 10 40

Feet

CLEAR SIGHT TRIANGLES PER FDM #212.11, TYP.

PROP. R/W

MATCHLINE STA. 92+00.00

PT STA 93+42.56

EX. R/W

TRACT D (OPEN SPACE)

66 67 68 69 70 71 72 73

SOLEIL AT WESTSIDE

PB 32, PGS 49-52

sodb
4,448 sf

AR
2

STREET TREES PLACED 3/100 LF AND ADJUSTED FOR STREET LIGHTS, UTILITIES, AND DRIVEWAYS, TYP.

ROOTBALL

ROOTBALL

END LANDSCAPE

sodb
8,295 sf

Zp
18

SP
1

92 93 94 95 96 97

15' PLATTED R/W

15' PLATTED R/W

C.E.

EX. R/W

CLEAR SIGHT TRIANGLES PER FDM #212.11, TYP.

PROP. R/W

PARCEL ID: 19-25-27-0000-0010-0000
OWNER: CENTRAL FLA INVESTMENTS INC

PARCEL ID: 19-25-27-0000-0[illegible]
OWNER: ANNICK HOL[illegible]

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

LANDSCAPE PLAN

SHEET NO. 91

lynzi Jan 04, 2024 - 10:07:12am

Z:\Shared\Bonnett Design Group\2020\2020.161_LEN - Tract X\design\WESTSIDE BLVD EXTENSION\91 LANDSCAPE PLAN.dwg (91)

GENERAL REQUIREMENTS

The Landscape Contractor shall be responsible for all materials and all work as called for on the landscape plans. The list of plant quantities accompanying the plans shall be used as guide only. If a discrepancy occurs between the plans and the plant list, the plans shall control.

The Landscape Contractor shall warranty all trees for a period of one (1) year and shrubs and ground covers for a period of six (6) months from the time of final acceptance by Owner and Landscape Architect.

The Landscape Contractor shall be wholly responsible for the stability and plumb condition of all trees and shall be legally liable for any damage caused by the instability of any plant material. Staking of trees and palms, if required, shall be done utilizing a method agreed upon by the Landscape Architect.

The Landscape Contractor shall research plans and contact appropriate agencies to determine the location of any utilities and obstructions prior to commencing work. Any utilities or unanticipated obstructions shall be reported to Landscape Architect or Owner immediately.

Positive drainage shall be maintained away from all structures on the site.

Provide landscape maintenance. Replace trees and sod which are in doubtful condition during warranty period. All replacements shall meet original specifications and guarantee.

IRRIGATION SYSTEMS

This landscape utilizes a Florida Friendly approach and no permanent underground irrigation system is proposed. All plant material and sodded areas shall have temporary irrigation, including hand watering, and/or slow-release tree watering bags, until the vegetation is established (a minimum of 1 year, matching the maintenance bond period).

Contractor must submit shop drawings for proposed irrigation system or schedule of watering if hand watering. 1

PLANT SPECIFICATIONS

All nursery stock plant material shall be Florida #1 or better in accordance with Grades and Standards for Nursery Plants Parts I & II, latest edition as published by the Florida Department of Agriculture and Consumer Services- Division of Plant Industry.

All plant material shall be planted, fertilized and mulched as per the plant details and planting specifications noted on the plans.

All container grown material shall be healthy, vigorous, well rooted plants, and established in the container in which they are delivered to the site. The plants shall have tops which are good quality and in a healthy growing condition. Established container grown plant material shall be grown in that container sufficiently long enough for the new fibrous roots to have developed enabling the root mass to retain it's shape when removed the container. Plants which have become root bound in the container are unacceptable.

All plant material that is not container grown shall be freshly dug, sound, healthy, vigorous, well branched, and free of disease and insect eggs and larvae, and shall have adequate root systems. Where any requirements are omitted from the plant list, the plants furnished shall be normal for the variety. Plants may be pruned prior to delivery only upon the approval of the Landscape Architect.

FERTILIZER

Two fertilizers shall be used on all types of plantings, except palms. Granular fertilizer shall be uniform in composition, dry and free flowing. This fertilizer shall be delivered to the site in the original unopened bags bearing the manufacturer's statement of analysis. Granular fertilizer shall be a controlled release variety meeting the following requirements: sixteen percent (16%) nitrogen, four percent (4%) phosphorus, eight percent (8%) potassium, plus iron. tablet fertilizer ("Agriform" or approved equal) in 21 gram size shall meet the following requirements: twenty percent (20%) nitrogen, ten percent (10%) phosphorus, five percent (5%) potassium.

Application Rates:

Plant size	16-4-8	"Agriform" tablet (21 grams)
1 gallon	1/4 lb.	1 tablet
3 gallon	1/3 lb.	2 tablets
7-15 gallon	1/2 lb.	4 tablets
1" - 6" caliper	2 lbs. per 1" caliper	2 tablets per 1" caliper
6" + caliper	3 lbs. per 1" caliper	2 tablets per 1" caliper

Sodded areas shall receive an application of the granular fertilizer (16-4-8) at a rate of 1/2 lb. of Nitrogen per 1,000 square feet of sod area.

"Palm Special" fertilizer shall be applied to all palms at installation at a rate of 1 1/2 lbs. per 100 square feet of canopy area. Palm fertilizer shall be a controlled release variety containing chelated micro nutrients and a ratio of N-P-K-Mg of 2:1:3:1.

SOIL

Planting soil for use in preparing the backfill material for planting pits shall be added a rate of fifty percent (50%) planting soil to fifty percent (50%) existing soil. This soil mix shall be used in all plant pits except Sabal Palms which shall be backfilled with clean sand. Planting soil shall be a fertile, friable natural topsoil of loamy character. It shall contain forty (40) to fifty (50) percent decomposed organic matter and be free of heavy clay, stones larger than 1" in diameter, noxious weeds and plants, sod, partially disintegrated debris, insects or any other undesirable material, plants or seeds that would be toxic or harmful to plant growth.

MULCH

All plant beds and tree watering basins shall be top dressed with three inches (3") of pine bark mini-nuggets mulch.

SOD

Refer to Landscape Plan for limits of sod.

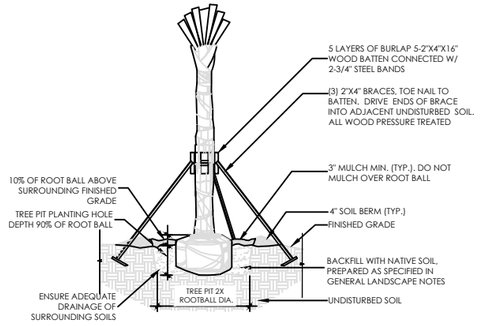
All areas disturbed by construction (including material staging, equipment storage, temporary facilities, site access, construction staff parking, etc.) beyond the minimum limits of sod as shown on the Landscape Plan shall be sodded as needed.

All lawn areas to receive sod shall be disked four (4) to six (6) inches and graded to establish a level finished grade ensuring positive drainage from all structures. All debris shall be removed from the site.

Sod shall be free of weeds and pests. It shall be laid evenly with tight fitting joints and rolled. The sod shall contain moist soil which does not fall apart or tear when lifted.

See plant list for specific sod species and locations.

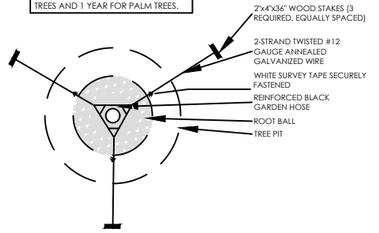
See 'Fertilizer' for requirements of all sodded areas.



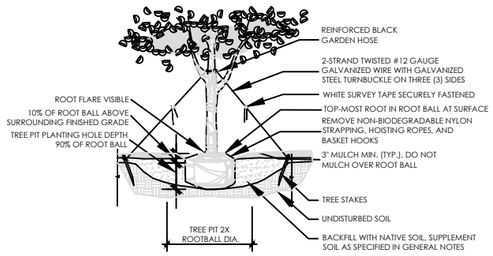
HURRICANE CUT PALM PLANTING DETAIL

N.T.S.

NOTE: TREE SUPPORT MATERIALS SHALL BE REMOVED FROM EACH TREE ONCE IT IS ESTABLISHED. THIS IS USUALLY DONE AFTER 6 MONTHS FOR SHADE TREES AND 1 YEAR FOR PALM TREES.



LARGE CANOPY TREE STAKING PLAN



LARGE CANOPY TREE PLANTING DETAIL

N.T.S.

4.8.4 D. Boulevard or Avenue Trees

	LENGTH	REQUIRED CANOPY TREE (3/100 FT)	TOTAL	PROVIDED
North bound Westside Blvd*	1790	53.7	54	54
South bound Westside Blvd*	1866	56.0	56	56
*Not including sight triangle		**Total**	**110**	**110**

PLANT SCHEDULE WESTSIDE BLVD

CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATION	NATIVE	WATER USE ZONE	SPACING
TREES							
AR	32	Acer rubrum	Red Maple	3" cal., 10`-12`ht. x 60" spd.	YES	HIGH	As Shown
QS	36	Quercus shumardii	Shumard Oak	3" cal., 10`-12`ht. x 60" spd.	YES	LOW	As Shown
QV	42	Quercus virginiana	Live Oak	3" cal., 10`-12`ht. x 60" spd.	YES	LOW	As Shown
SP	22	Sabal palmetto	Cabbage Palmetto	12`-15` CT, Mixed	YES	LOW	As Shown
SHRUBS							
In	180	Ilex vomitoria 'Nana'	Dwarf Yaupon Holly	3 gal., 18"-24"	YES	LOW	36" o.c.
Zp	216	Zamia pumila	Coontie	3 gal., 18" o.a.	YES	LOW	36" o.c.
SOD/SEED							
sodb	113,782 sf	Paspalum notatum `Argentine`	Argentine Bahia Grass	sod	NO	LOW	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
		01-04-2024	1 Add note

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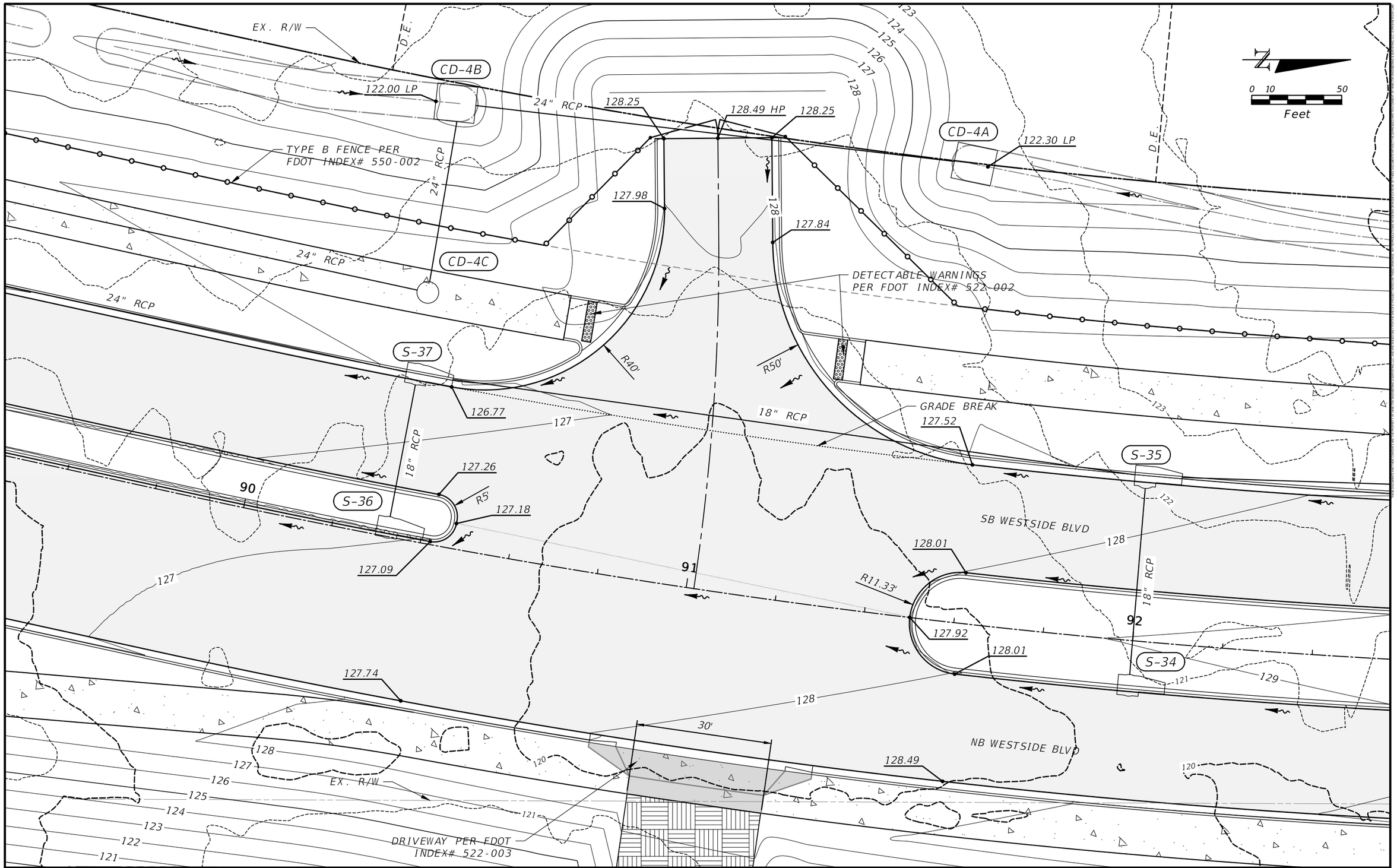
OSCEOLA COUNTY TRANSPORTATION AND TRANSIT DEPARTMENT

LANDSCAPE DETAILS

SHEET NO. 92



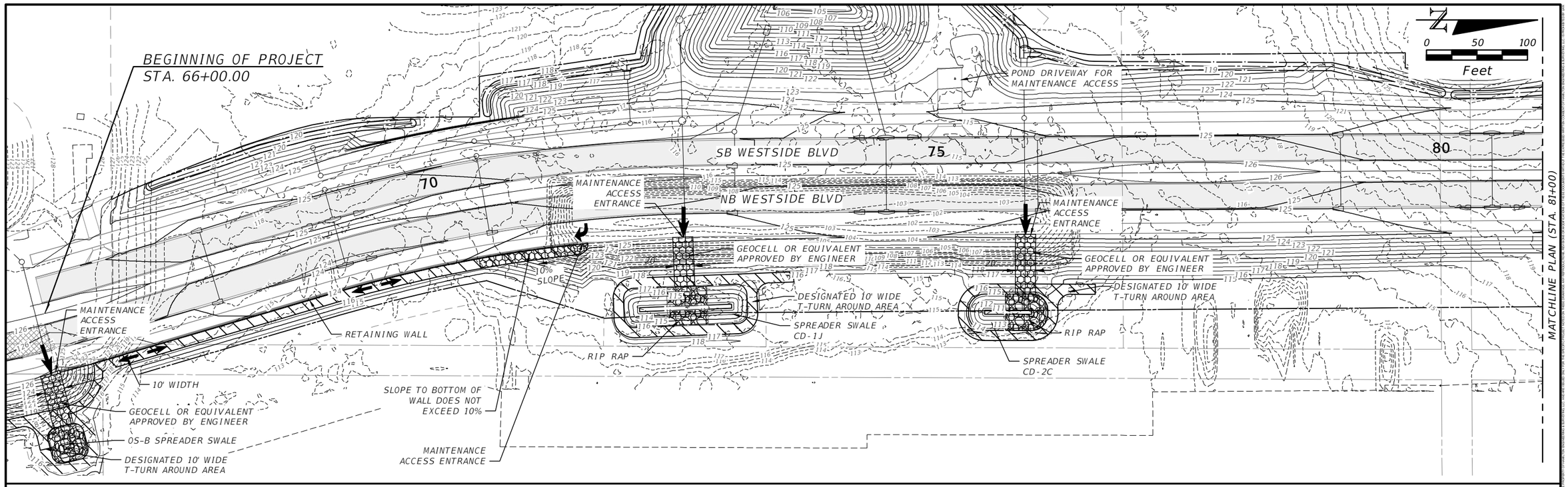
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

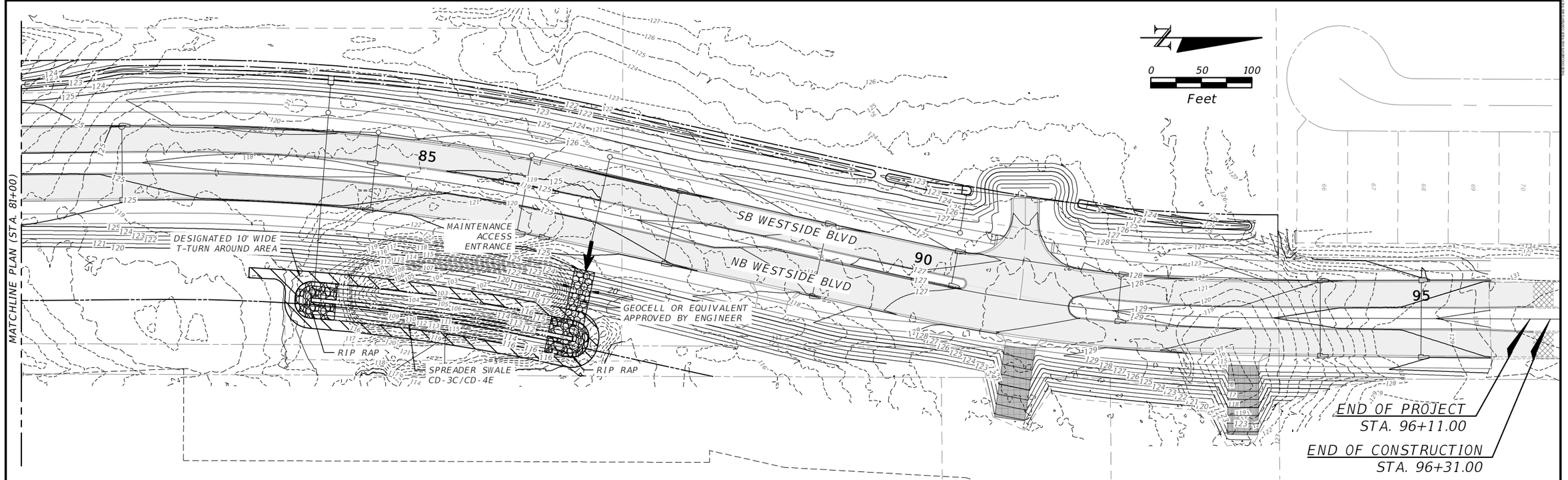
DAVID A. REID, P.E.
P.E. LICENSE NUMBER 38794
HAMILTON ENGINEERING & SURVEYING, LLC
431 E. HORATIO AVE., SUITE 260
ORLANDO, FL 32751
(407) 629-8330 EXT 150

OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

INTERSECTION LAYOUT

SHEET NO. 93





REVISIONS			
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OSCEOLA COUNTY
TRANSPORTATION AND TRANSIT DEPARTMENT

MAINTENANCE ACCESS PLAN

SHEET NO. 94

JohnV Sep 29, 2023 - 9:08:29am

L:\53509 Lennar Homes, LLC\0017 Westside Blvd Ext\ENGR\02 Master\1 DWGs\100% SET\91 MAINT. PLAN.dwg (11x17)