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OSCEOLA COUNTY TRANSPORTATION AND TRANSIT

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

GOVERNING STANDARD PLANS:
 Florida Department of Transportation, FY2020-21 Standard plans for Road and Bridge Construction and applicable Interim Revisions (Irs).

Standard Plans for Road Construction and associated Irs are available at the following website:
<http://www.fdot.gov/design/Standardplans.shtm>

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

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

GOVERNING STANDARD SPECIFICATIONS:
 Florida Department of Transportation, January, 2021 Standard Specifications for Road and Bridge Construction at the following website:
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>



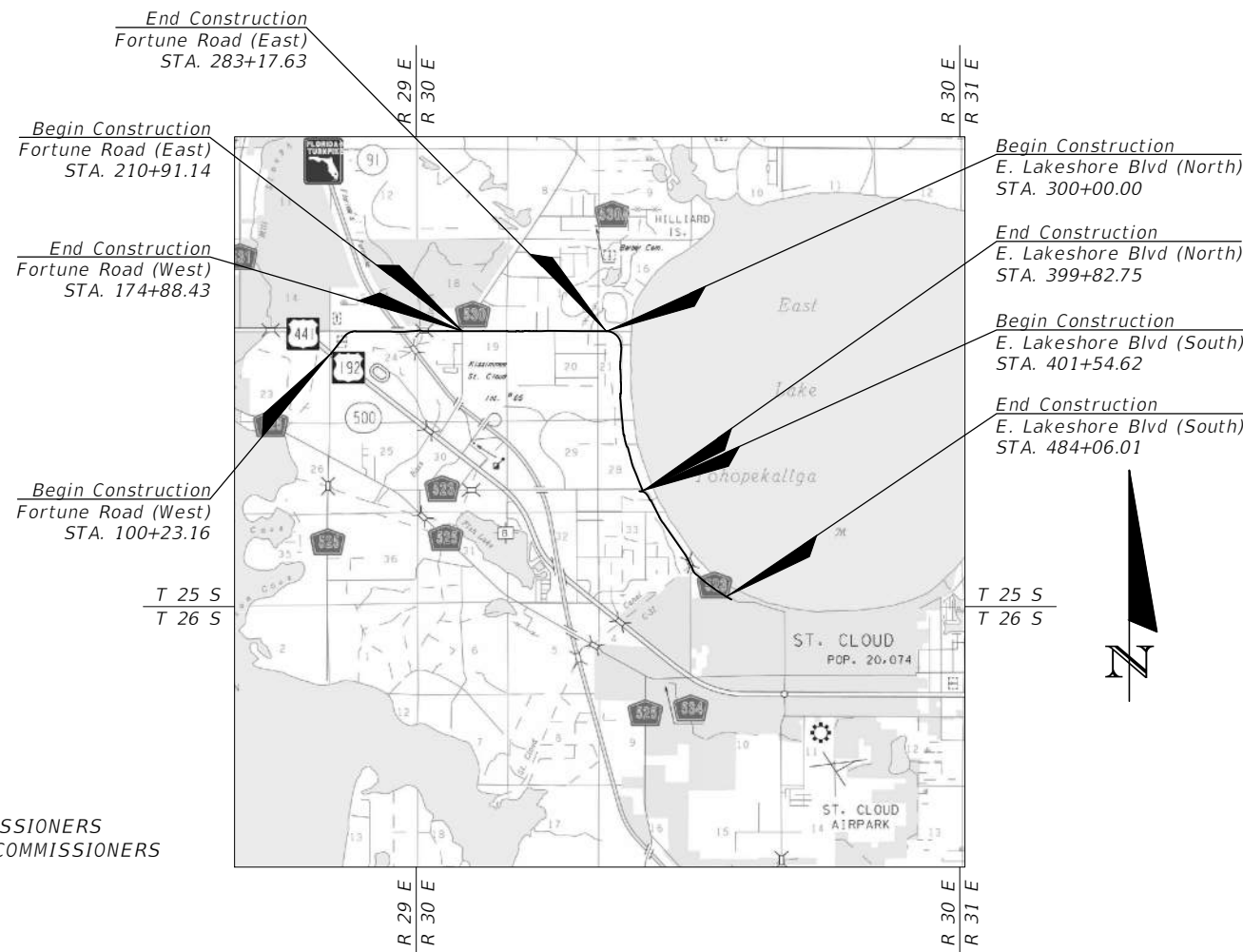
OSCEOLA COUNTY, FLORIDA
PUBLIC WORKS DEPARTMENT

CONTRACT PLANS

LAKESHORE TRAIL PLANS

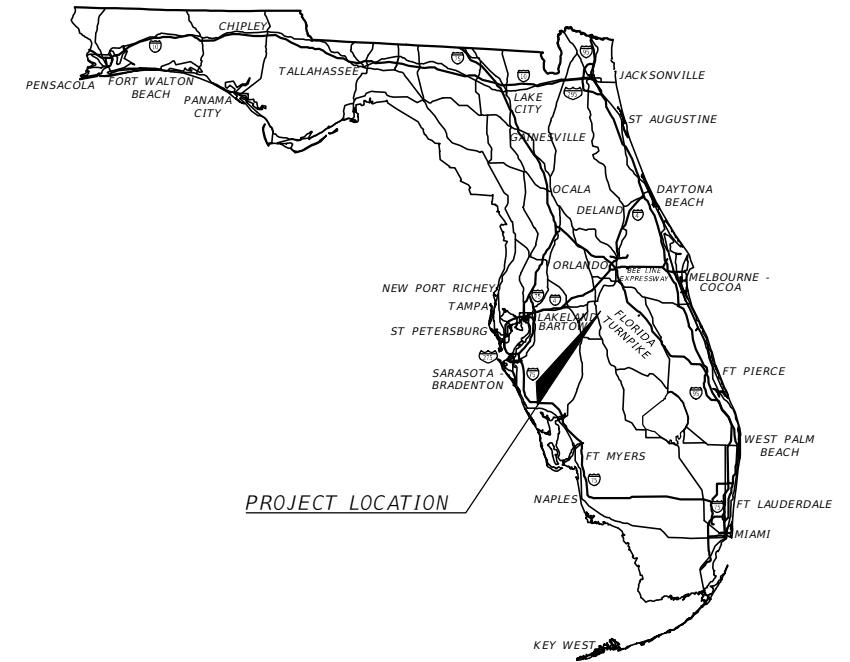
FPID: 437474-1-58-01

FAN: D520-087-B



FINAL PLANSET
DATE: March 29, 2021

OSCEOLA COUNTY PROJECT MANAGER: TODD HUDSON, P.E.



PROJECT LOCATION

SHOP DRAWINGS TO BE SUBMITTED TO:

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

PLANS PREPARED BY:

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

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

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

P.E. NO.: 63437

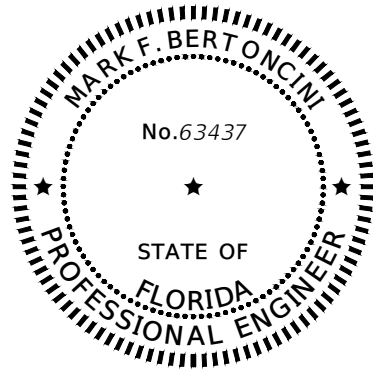
DRAINAGE PLANS
 PROFESSIONAL OF RECORD: PAUL W. YEARGAIN, P.E.

P.E. NO.: 50682

STRUCTURES PLANS
 PROFESSIONAL OF RECORD: KENNETH B. RAY, P.E.

P.E. NO.: 74776

FISCAL YEAR	SHEET NO.
21	1



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ON THE DATE ADJACENT TO THE SEAL

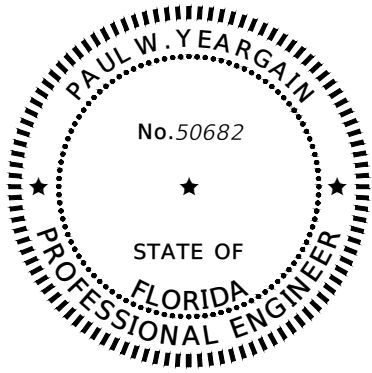
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225 E. ROBINSON STREET, SUITE 300
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION: 3932
MARK F. BERTONCINI, P.E. NO. 63437

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

TRAIL PLANS

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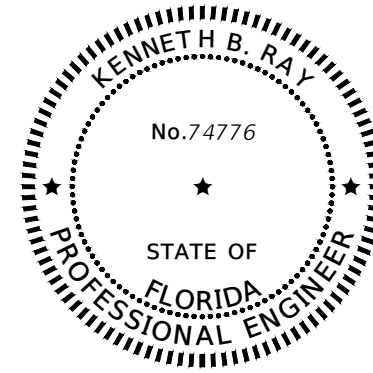
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ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION: 3932
PAUL W. YEARGAIN, P.E. NO. 50682

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

TRAIL PLANS

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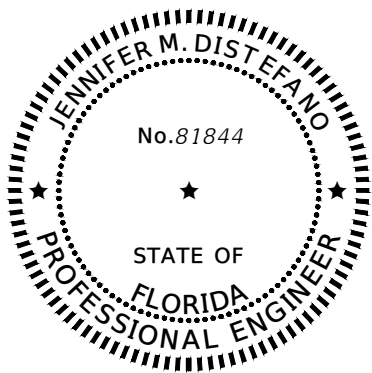
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CERTIFICATE OF AUTHORIZATION: 3932
KENNETH B. RAY, P.E. NO. 74776

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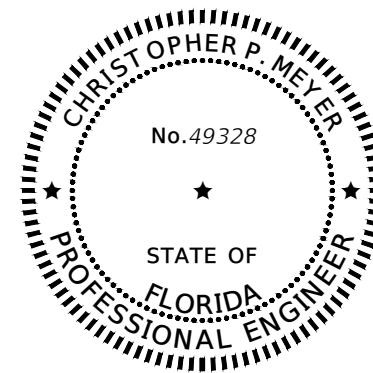
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VANASSE HANGEN BRUSTLIN, INC.
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ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION: 3932
JENNIFER M. DISTEFANO, P.E. NO. 81844

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TRAIL PLANS

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T-1	SIGNAL TABULATION OF QUANTITIES
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GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
2510 MICHIGAN AVENUE, SUITE D
KISSIMMEE, FL 34744-1933
CERTIFICATE OF AUTHORIZATION: 5882
CHRISTOPHER P. MEYER, P.E. NO. 49328

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

TRAIL PLANS

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B1-06	REPORT OF CPT AND SPT RESULTS

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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



OSCEOLA COUNTY
FLORIDA

SIGNATURE SHEET

SHEET NO.

2

BID ITEM NO.	FDOT PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
1	0101 1	MOBILIZATION	LS	1
2	0102 1	MAINTENANCE OF TRAFFIC	LS	1
3	0104 10 3	SEDIMENT BARRIER	LF	29,528
4	0104 11	FLOATING TURBIDITY BARRIER	LF	715
5	0104 18	INLET PROTECTION SYSTEM	EA	132
6	0108 1	MONITOR EXISTING STRUCTURES- INSPECTION AND SETTLEMENT MONITORING	LS	1
7	0108 2	MONITOR EXISTING STRUCTURES- VIBRATION MONITORING	LS	1
8	0110 1 1	CLEARING & GRUBBING	AC	15.24
9	0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	7,868
10	0110 7 1	MAILBOX, F&I SINGLE	EA	72
11	0120 1	REGULAR EXCAVATION	CY	2,712.0
12	0120 4	SUBSOIL EXCAVATION	CY	3,404.0
13	0120 6	EMBANKMENT	CY	11,904.0
14	0125 1	EXCAVATION FOR STRUCTURES	CY	733.0
15	0125 3	SELECT BEDDING MATERIAL	CY	2,392.0
16	0160 4	TYPE B STABILIZATION	SY	49,776
17	0285701	OPTIONAL BASE, BASE GROUP 01	SY	31,750
18	0285709	OPTIONAL BASE, BASE GROUP 09	SY	6,546
19	0327 70 1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	SY	2,729
20	0334 1 11	SUPERPAVE ASPHALTIC CONC, TRAFFIC A	TN	2,951.0
21	0334 1 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	473.0
22	0400 0 11	CONCRETE CLASS NS, GRAVITY WALL	CY	704.0
23	0400 1 2	CONCRETE CLASS I, ENDWALLS	CY	10.0
24	0400 2 4	CONC CLASS II, BRIDGE SUPERSTRUCTURE	CY	43.9
25	0400 4 5	CONCRETE CLASS IV, BRIDGE SUBSTRUCTURE	CY	43.2
26	0415 1 4	REINFORCING STEEL - BRIDGE SUPERSTRUCTURE	LB	3,820
27	0415 1 5	REINFORCING STEEL- BRIDGE SUBSTRUCTURE	LB	2,878
28	0425 10	YARD DRAIN	EA	40
29	0425 1521	INLETS, DT BOT, TYPE C, <10'	EA	42
30	0425 1523	INLETS, DT BOT, TYPE C, JBOT, <10'	EA	21
31	0425 1561	INLETS, DT BOT, TYPE F, <10'	EA	1
32	0425 1563	INLETS, DITCH BOTTOM, TYPE F, J BOT, <10'	EA	2
33	0425 1701	INLETS, GUTTER, TYPE S, <10'	EA	1
34	0425 2 41	MANHOLES, P-7, <10'	EA	13
35	0425 2 43	MANHOLES, P-7, PARTIAL	EA	2
36	0425 2 71	MANHOLES, J-7, <10'	EA	25
37	0425 3 41	JUNCTION BOX, DRAINAGE, P-7, <10'	EA	1
38	0425 5	MANHOLE, ADJUST	EA	1
39	0430175112	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 12"S/CD	LF	1,169
40	0430175118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"S/CD	LF	208
41	0430175124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"S/CD	LF	306
42	0430175142	PIPE CULVERT, OPT MATERIAL, ROUND, 42"S/CD	LF	238
43	0430175215	PIPE CULVERT, OPTIONAL MATERIAL, OTHER-ELIP/ARCH, 15"S/CD	LF	112
44	0430175218	PIPE CULVERT, OPTIONAL MATERIAL, OTHER-ELIP/ARCH, 18"S/CD	LF	2,586
45	0430175224	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE-ELIP/ARCH, 24"S/CD	LF	2,741
46	0430175230	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 30"S/CD	LF	1,518

BID ITEM NO.	FDOT PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
47	0430175236	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 36"S/CD	LF	1,748
48	0430175242	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 42"S/CD	LF	2,296
49	0430175248	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 48"S/CD	LF	1,295
50	0430830	PIPE FILLING AND PLUGGING- PLACE OUT OF SERVICE	CY	72.0
51	0430982129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA	2
52	0430984625	MITERED END SECT, OPTIONAL - ELLIPTICAL / ARCH, 18" SD	EA	13
53	0430984629	MITERED END SECT, OPTIONAL - ELLIPTICAL / ARCH, 24" SD	EA	2
54	0430984633	MITERED END SECT, OPTIONAL /ELLIP/ARCH, 30" SD	EA	2
55	0430984640	MITERED END SECT, OPTIONAL /ELLIP/ARCH, 42" SD	EA	1
56	0460 7	PREFABRICATED STEEL PEDESTRIAN BRIDGE	SF	1,838
57	0515 1 2	PIPE HANDRAIL - GUIDERAIL, ALUMINUM	LF	305
58	0515 2311	PEDESTRIAN/ BICYCLE RAILING, ALUMINUM ONLY, 42" TYPE 1	LF	4,009
59	0520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	983
60	0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	368
61	0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	2,203
62	0524 1 2	CONCRETE DITCH PAVEMENT, NON REINFORCED, 4"	SY	10
63	0527 2	DETECTABLE WARNINGS	SF	1,059
64	0530 4 4	ARTICULATING CONCRETE BLOCK REVETMENT SYSTEM, THICKNESS 4"	SY	422
65	0536 1 1	GUARDRAIL -ROADWAY, GENERAL TL-3	LF	178
66	0536 73	GUARDRAIL REMOVAL	LF	275
67	0536 85 22	GUARDRAIL END TREATMENT- FLARED APPROACH TERMINAL	EA	2
68	0536 85 24	GUARDRAIL END TREATMENT- PARALLEL APPROACH TERMINAL	EA	4
69	0550 10220	FENCING, TYPE B, 5.1-6.0', STANDARD	LF	240
70	0550 10910	FENCING, SPECIAL FENCE, 0.0-5.0'	LF	1,490
71	0550 60214	FENCE GATE, TYPE B, SINGLE, 18.1-20.0' OPENING	EA	1
72	0570 1 2	PERFORMANCE TURF, SOD	SY	21,864
73	0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	42
74	0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	95
75	0632 7 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1
76	0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	2
77	0646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	2
78	0653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	2
79	0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	2
80	0670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	1
81	0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	37
82	0700 1 60	SINGLE POST SIGN, REMOVE	AS	20
83	0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	2,201
84	0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	1,963
85	0711 11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	179
86	0711 11241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	0.055
87	0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.039
88	0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.608
89	0711 17 1	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS- SURFACE TO REMAIN	SF	4,281

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION


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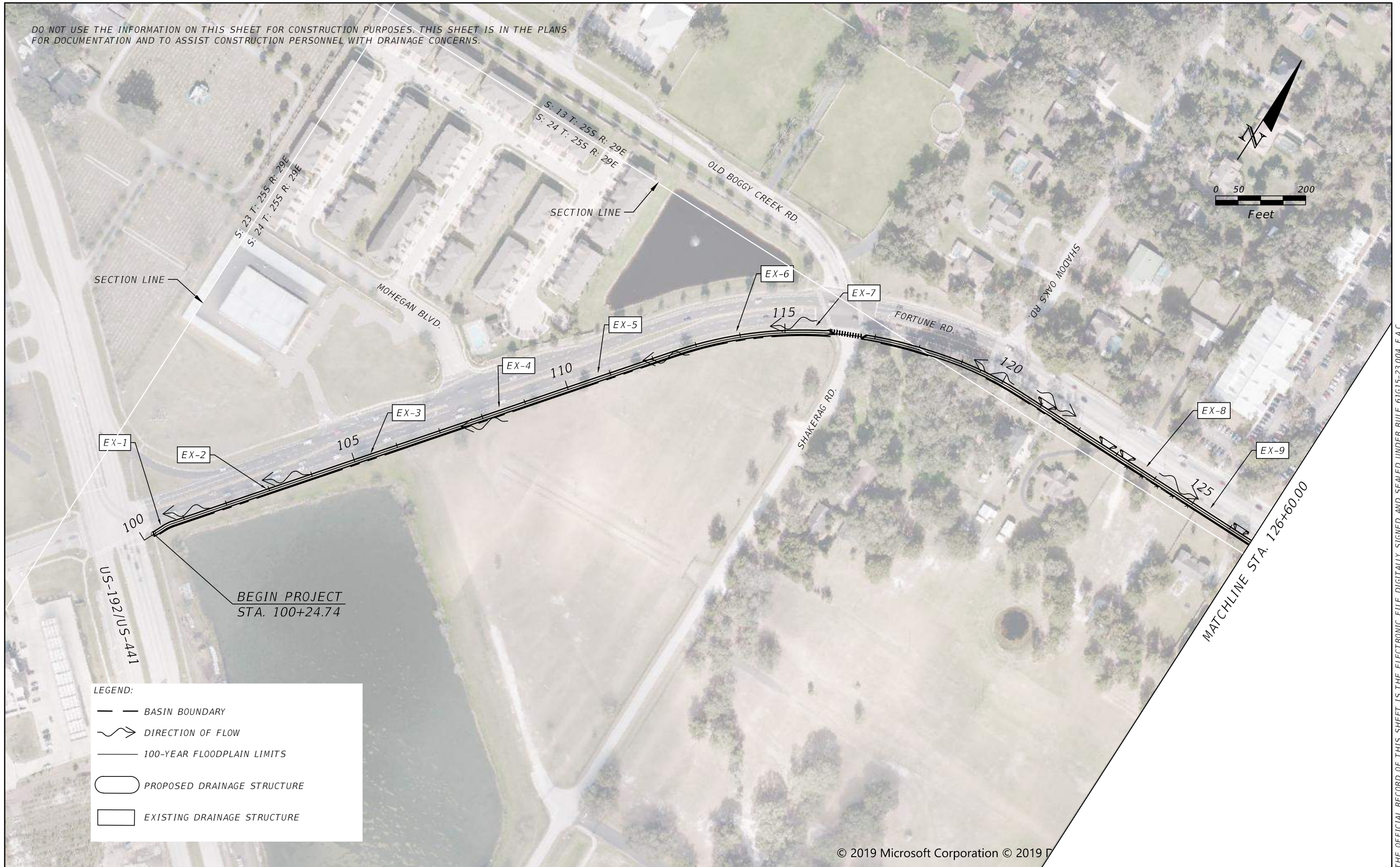
SUMMARY OF PAY ITEMS

SHEET NO.

3

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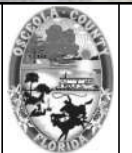


LEGEND:

- BASIN BOUNDARY
- DIRECTION OF FLOW
- 100-YEAR FLOODPLAIN LIMITS
- PROPOSED DRAINAGE STRUCTURE
- EXISTING DRAINAGE STRUCTURE

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



OSCEOLA COUNTY
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DRAINAGE MAP 1

SHEET NO.
4

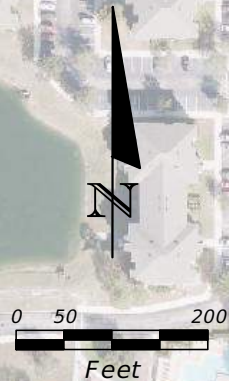
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S: 13 T: 25S R: 29E

S: 24 T: 25S R: 29E



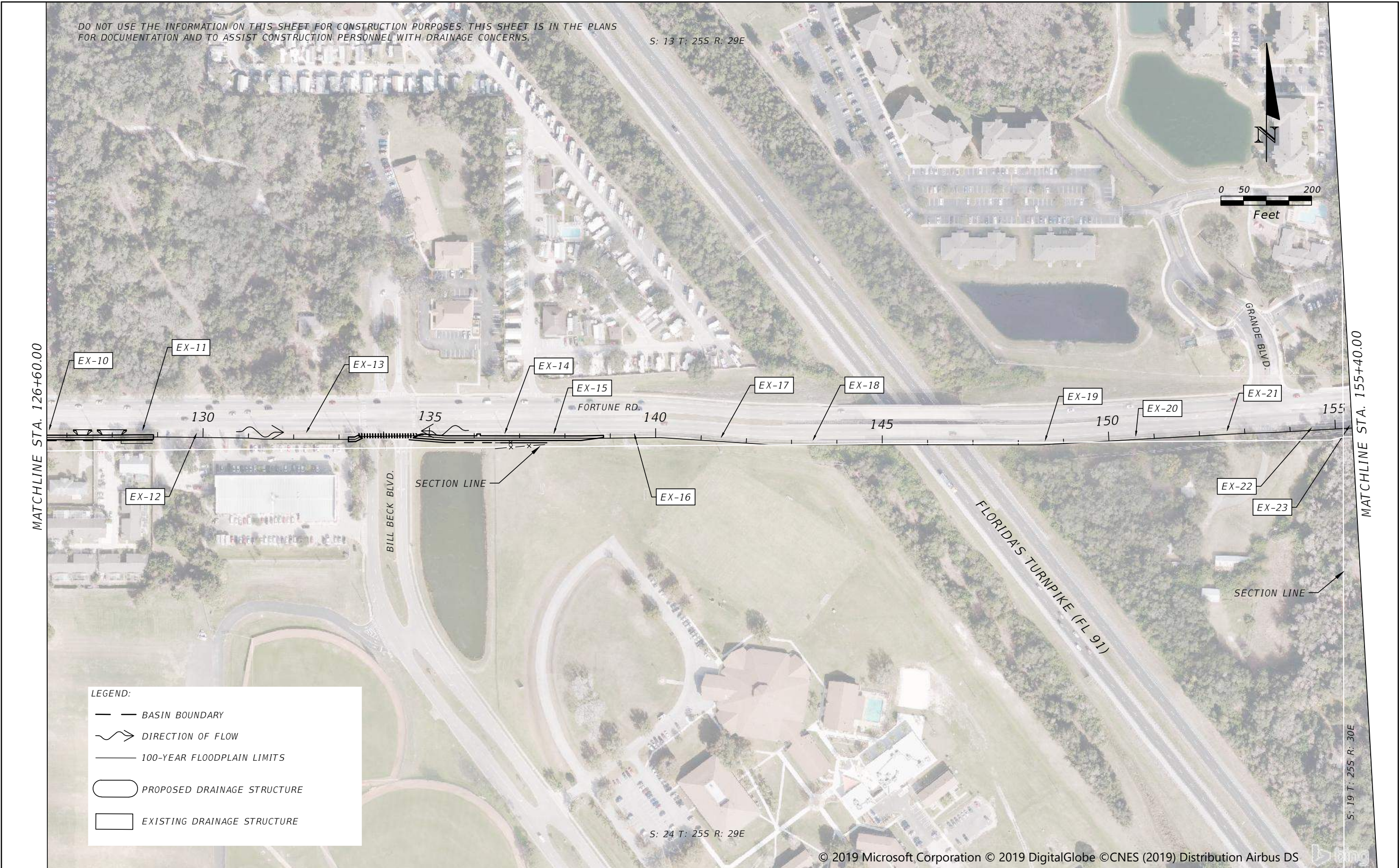
MATCHLINE STA. 126+60.00

MATCHLINE STA. 155+40.00

S: 19 T: 25S R: 30E

LEGEND:

- BASIN BOUNDARY
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- 100-YEAR FLOODPLAIN LIMITS
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DRAINAGE MAP 2

SHEET
NO.
5

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S: 18 T: 25S R: 30E

S: 19 T: 25S R: 30E



MATCHLINE STA. 155+40.00

MATCHLINE STA. 202+15.00

LEGEND:

- BASIN BOUNDARY
- DIRECTION OF FLOW
- 100-YEAR FLOODPLAIN LIMITS
- PROPOSED DRAINAGE STRUCTURE
- EXISTING DRAINAGE STRUCTURE

SECTION LINE

SECTION LINE

S-102
0.25 AC

0.27 AC

0.53 AC

0.45 AC

0.43 AC

EX-29

EX-30

EX-31

EX-32

EX-33

EX-35

EX-24

S-101

EX-25

EX-25A

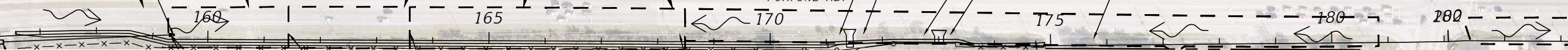
EX-28

(Q = 5.91 CFS)

EX-34

EX-37

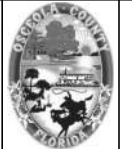
EX-36



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OSCEOLA COUNTY
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DRAINAGE MAP 3

SHEET NO.

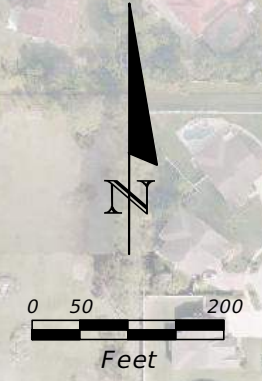
6

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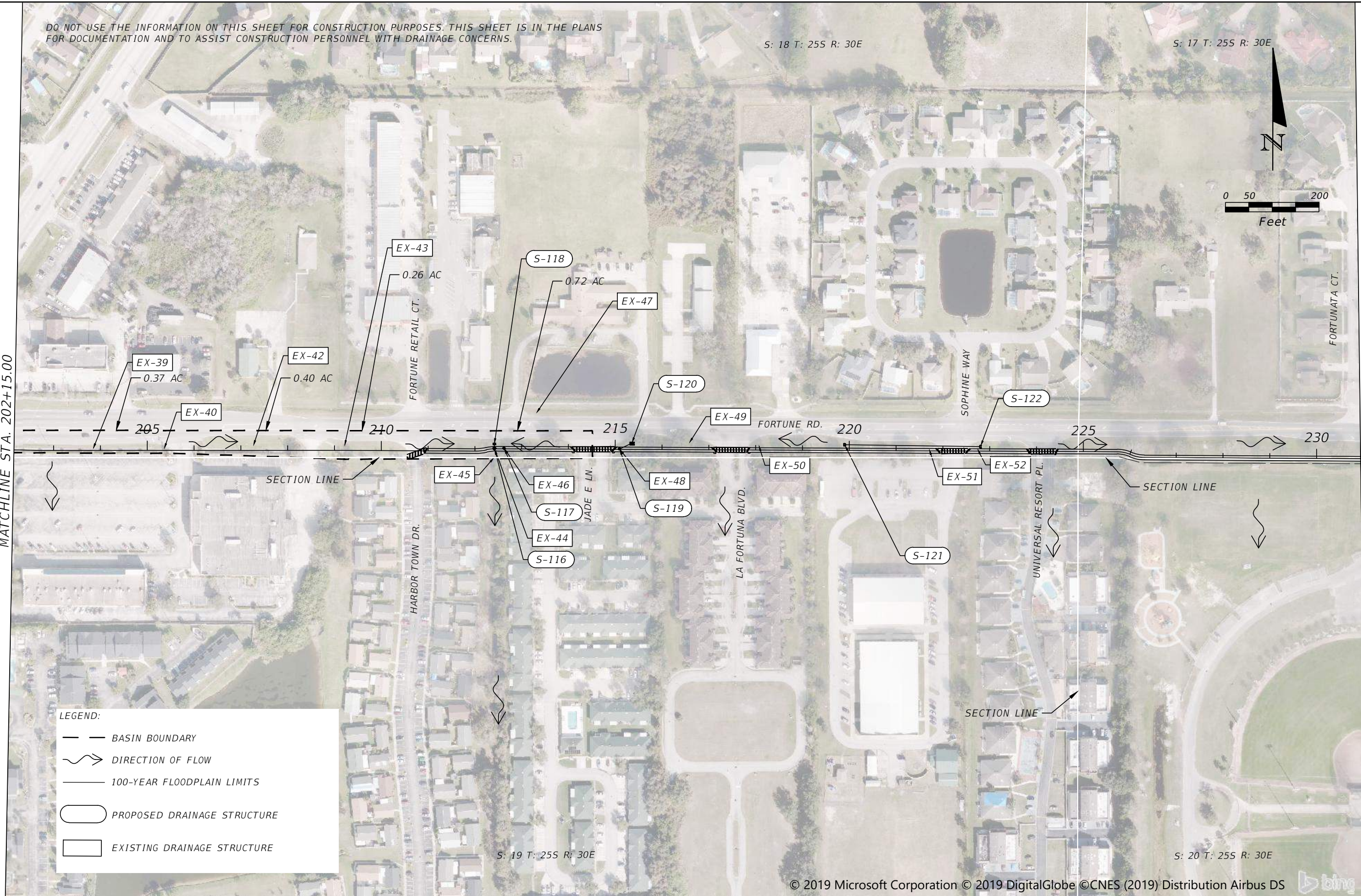
S: 18 T: 25S R: 30E

S: 17 T: 25S R: 30E



MATCHLINE STA. 202+15.00

MATCHLINE STA. 230+95.00



LEGEND:

- BASIN BOUNDARY
- DIRECTION OF FLOW
- 100-YEAR FLOODPLAIN LIMITS
- PROPOSED DRAINAGE STRUCTURE
- EXISTING DRAINAGE STRUCTURE

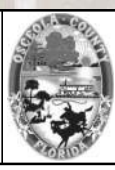
S: 19 T: 25S R: 30E

S: 20 T: 25S R: 30E

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DRAINAGE MAP 4

SHEET NO.
7

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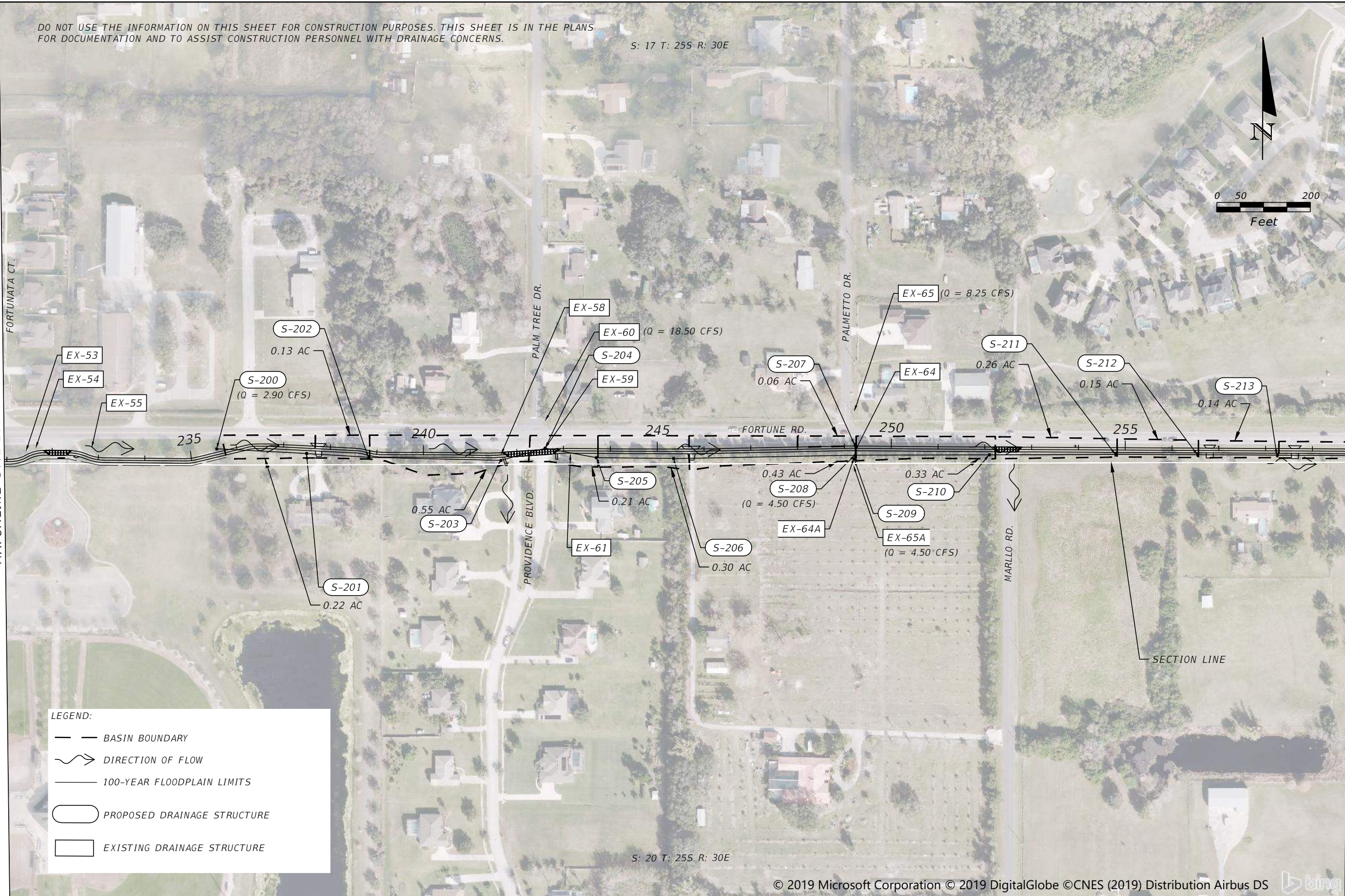
DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

S: 17 T: 25S R: 30E



MATCHLINE STA. 230+95.00

MATCHLINE STA. 259+75.00



LEGEND:

- BASIN BOUNDARY
- DIRECTION OF FLOW
- 100-YEAR FLOODPLAIN LIMITS
- PROPOSED DRAINAGE STRUCTURE
- EXISTING DRAINAGE STRUCTURE

S: 20 T: 25S R: 30E

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DRAINAGE MAP 5

SHEET NO.
8

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S: 16 T: 25S R: 30E

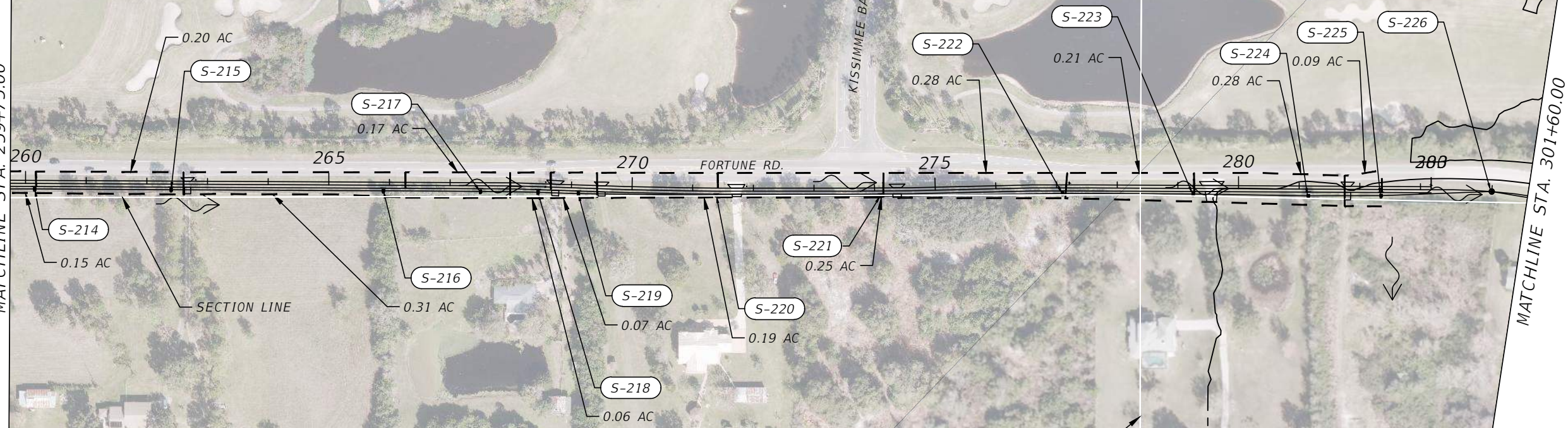
S: 20 T: 25S R: 30E

S: 21 T: 25S R: 30E



MATCHLINE STA. 259+75.00

MATCHLINE STA. 301+60.00

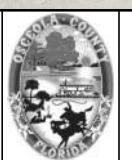


LEGEND:

- BASIN BOUNDARY
- DIRECTION OF FLOW
- 100-YEAR FLOODPLAIN LIMITS
- PROPOSED DRAINAGE STRUCTURE
- EXISTING DRAINAGE STRUCTURE

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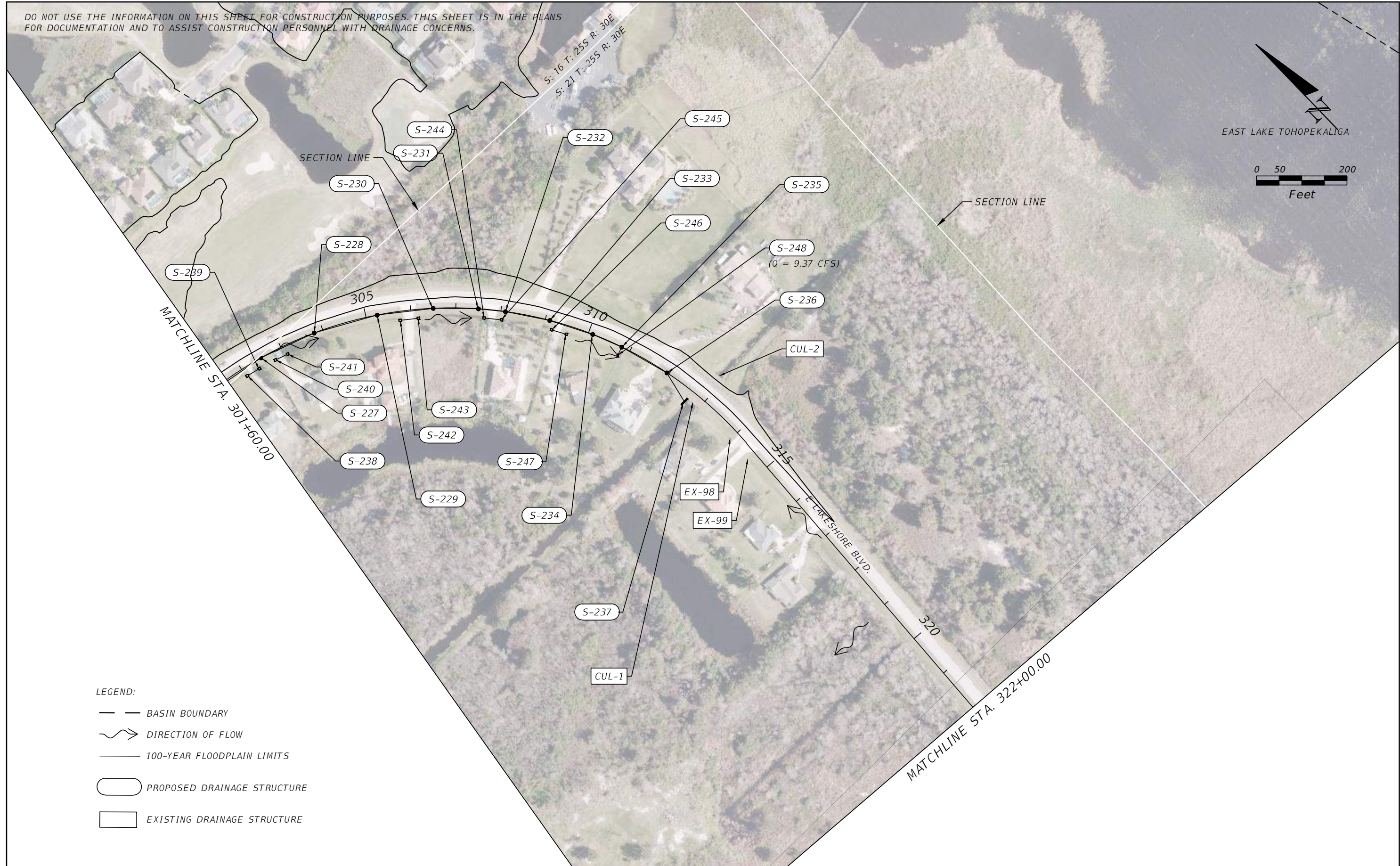
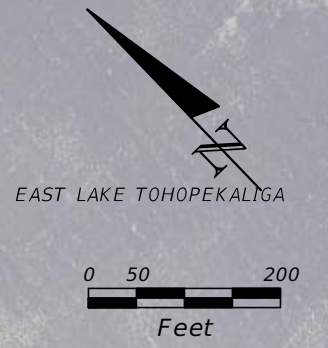
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DRAINAGE MAP 6

SHEET NO.
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LEGEND:

- BASIN BOUNDARY
- DIRECTION OF FLOW
- 100-YEAR FLOODPLAIN LIMITS
- PROPOSED DRAINAGE STRUCTURE
- EXISTING DRAINAGE STRUCTURE

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DRAINAGE MAP 7

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NO.
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MATCHLINE STA. 322+00.00

MATCHLINE STA. 350+80.00



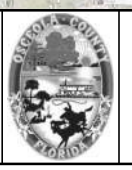
LEGEND:

- BASIN BOUNDARY
- DIRECTION OF FLOW
- 100-YEAR FLOODPLAIN LIMITS
- PROPOSED DRAINAGE STRUCTURE
- EXISTING DRAINAGE STRUCTURE

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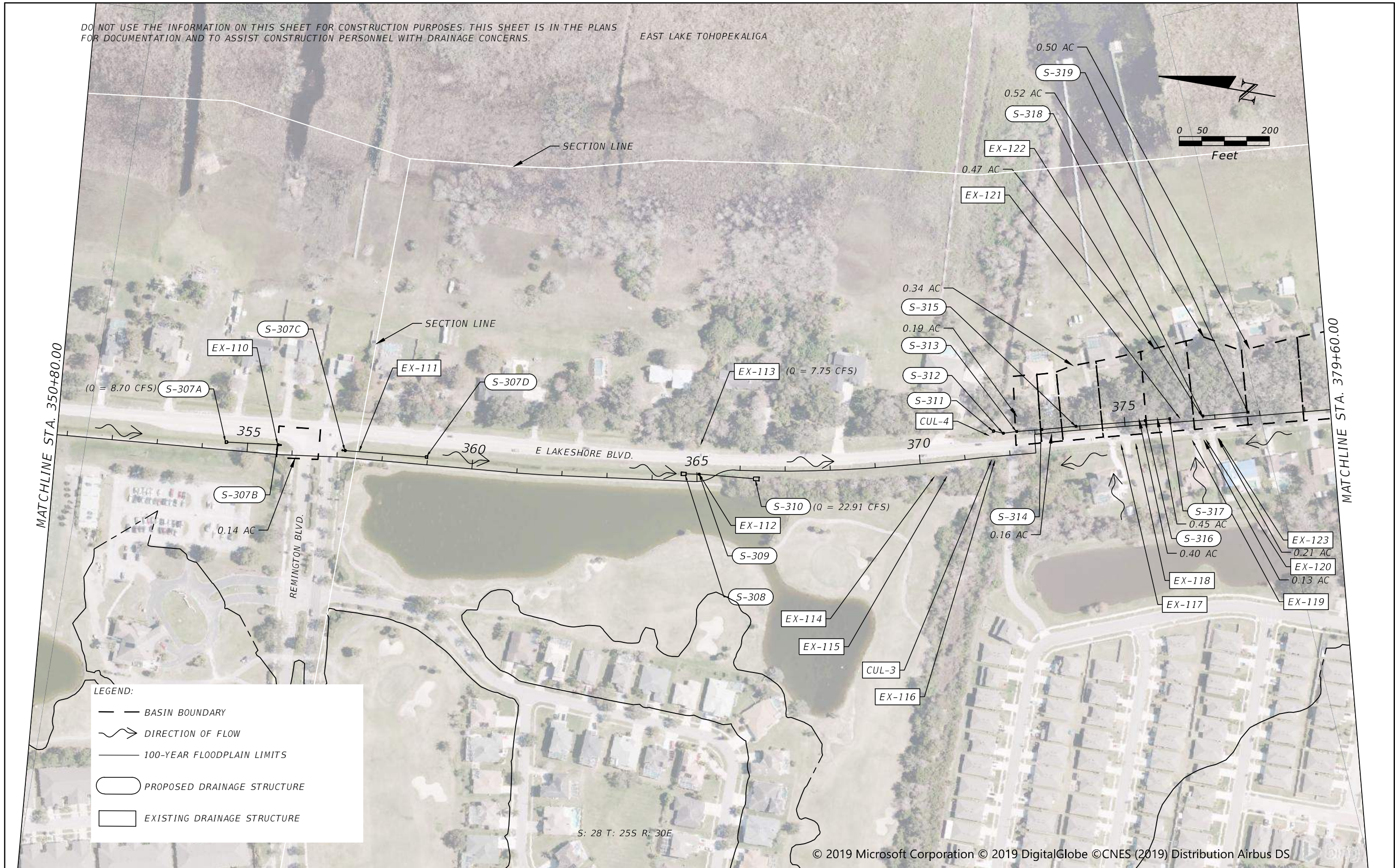
DRAINAGE MAP 8

SHEET NO.
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EAST LAKE TOHOPEKALIGA



LEGEND:

- BASIN BOUNDARY
- DIRECTION OF FLOW
- 100-YEAR FLOODPLAIN LIMITS
- PROPOSED DRAINAGE STRUCTURE
- EXISTING DRAINAGE STRUCTURE

S: 28 T: 25S R: 30E

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OSCEOLA COUNTY
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DRAINAGE MAP 9

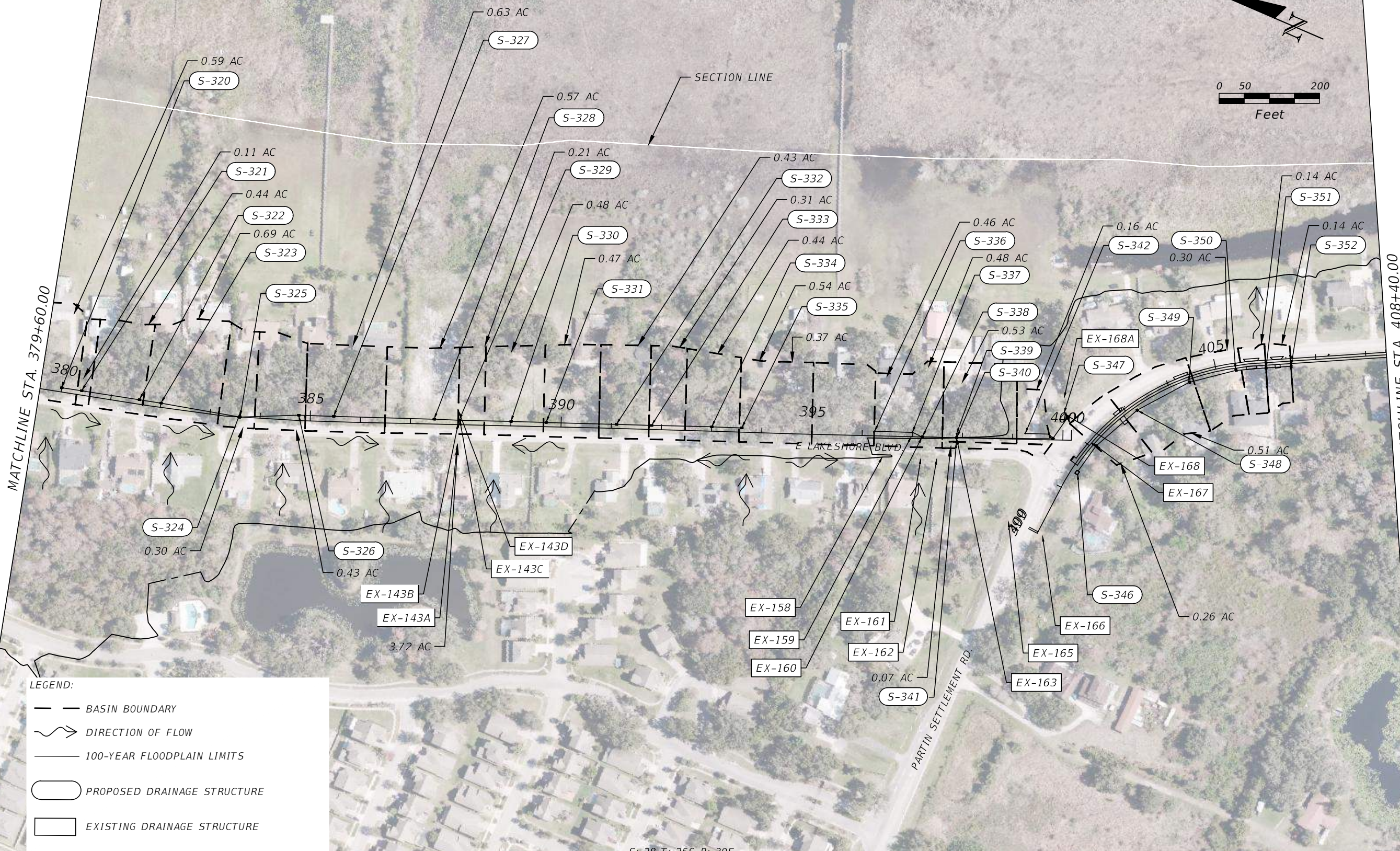
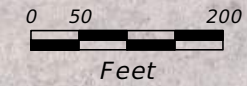
SHEET
 NO.

12

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LEGEND:

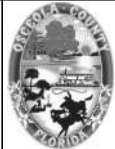
- BASIN BOUNDARY
- DIRECTION OF FLOW
- 100-YEAR FLOODPLAIN LIMITS
- PROPOSED DRAINAGE STRUCTURE
- EXISTING DRAINAGE STRUCTURE

S: 28 T: 25S R: 30E

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OSCEOLA COUNTY
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DRAINAGE MAP 10

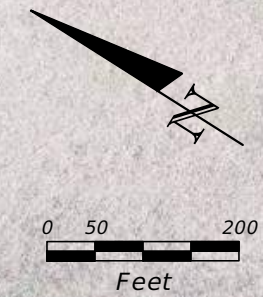
SHEET
NO.

13

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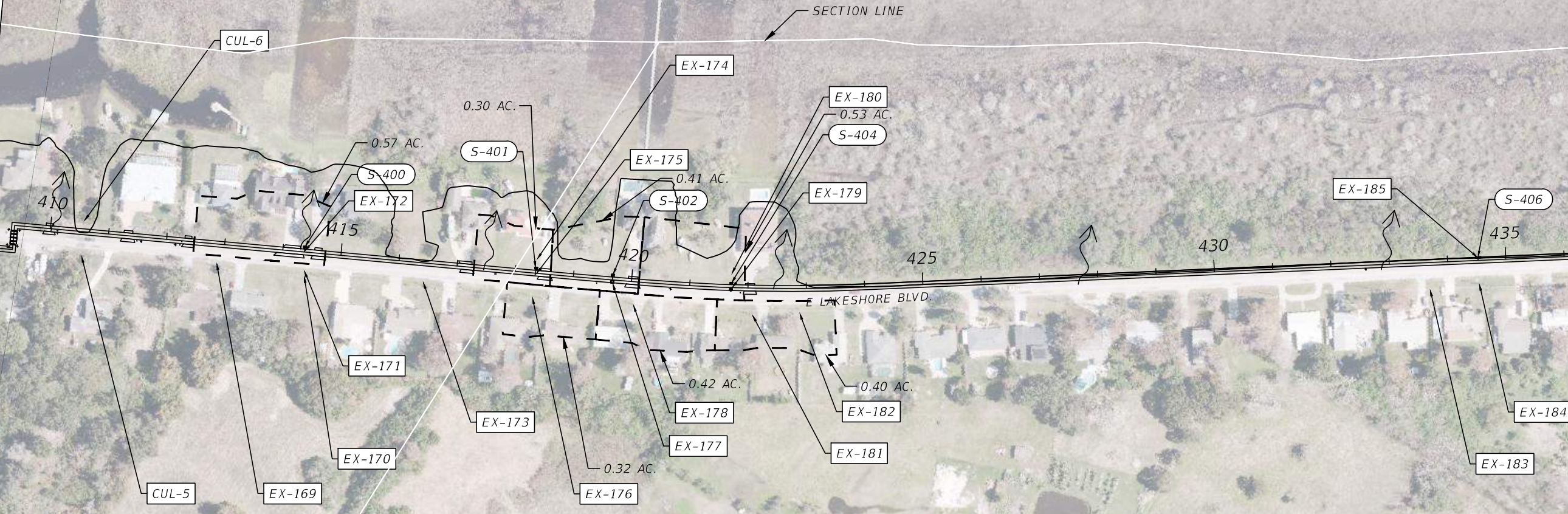
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EAST LAKE TOHOPEKALIGA



MATCHLINE STA. 408+40.00

MATCHLINE STA. 437+20.00



LEGEND:

- BASIN BOUNDARY
- DIRECTION OF FLOW
- 100-YEAR FLOODPLAIN LIMITS
- PROPOSED DRAINAGE STRUCTURE
- EXISTING DRAINAGE STRUCTURE

S:

S: 33 T: 25S R: 30E

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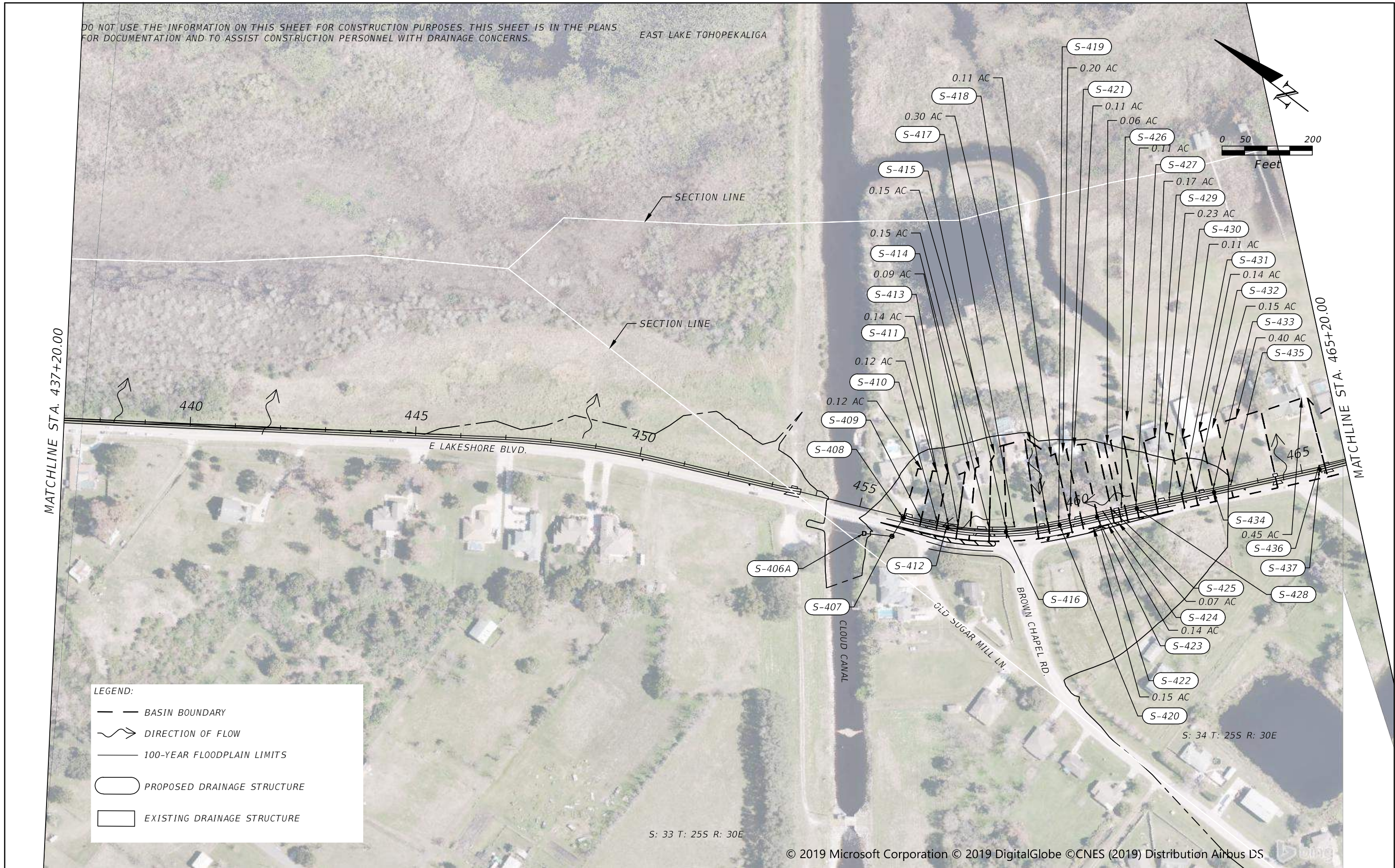


OSCEOLA COUNTY
FLORIDA

DRAINAGE MAP 11

SHEET NO.
14

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LEGEND:

- BASIN BOUNDARY
- DIRECTION OF FLOW
- 100-YEAR FLOODPLAIN LIMITS
- PROPOSED DRAINAGE STRUCTURE
- EXISTING DRAINAGE STRUCTURE

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OSCEOLA COUNTY
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DRAINAGE MAP 12

SHEET NO.
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EAST LAKE TOHOPEKALIGA

MATCHLINE STA. 465+20.00



LEGEND:

- BASIN BOUNDARY
- DIRECTION OF FLOW
- 100-YEAR FLOODPLAIN LIMITS
- PROPOSED DRAINAGE STRUCTURE
- EXISTING DRAINAGE STRUCTURE

34 T: 25S R: 30E

S: 3 T: 26S R: 30E

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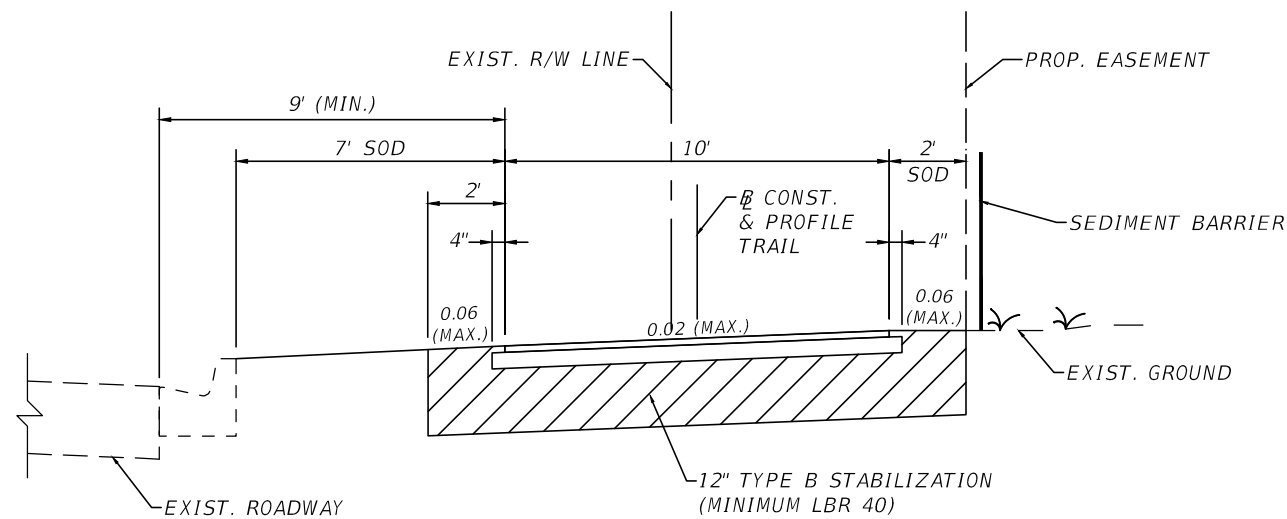
OSCEOLA COUNTY
FLORIDA

DRAINAGE MAP 13

SHEET
NO.

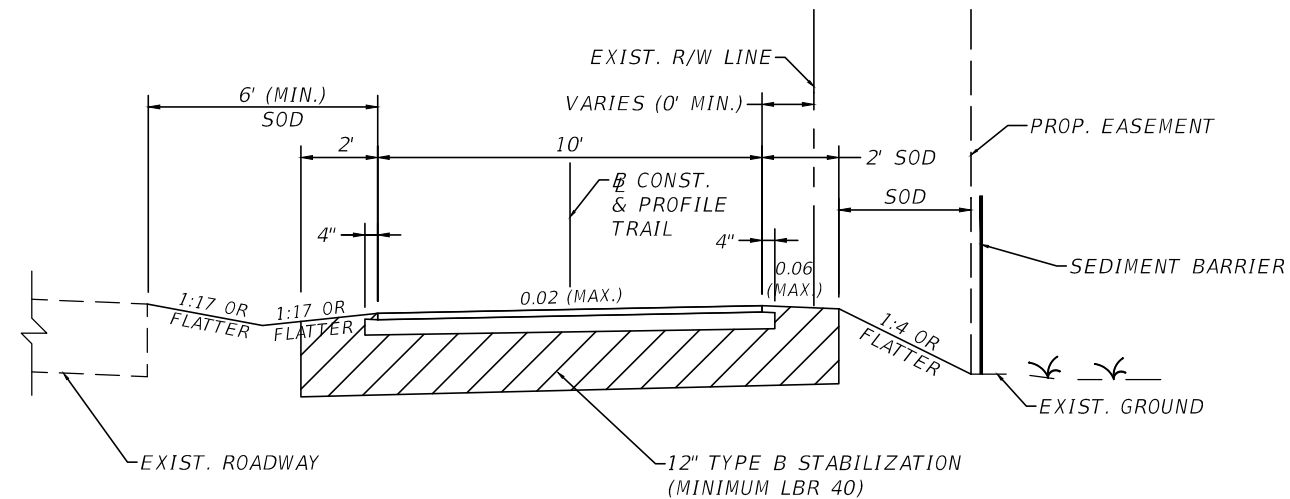
16

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TRAIL TYPICAL SECTION 1
FORTUNE RD.

STA. 100+24.76 TO STA. 138+87.54
STA. 156+59.66 TO STA. 159+09.00
N.T.S.

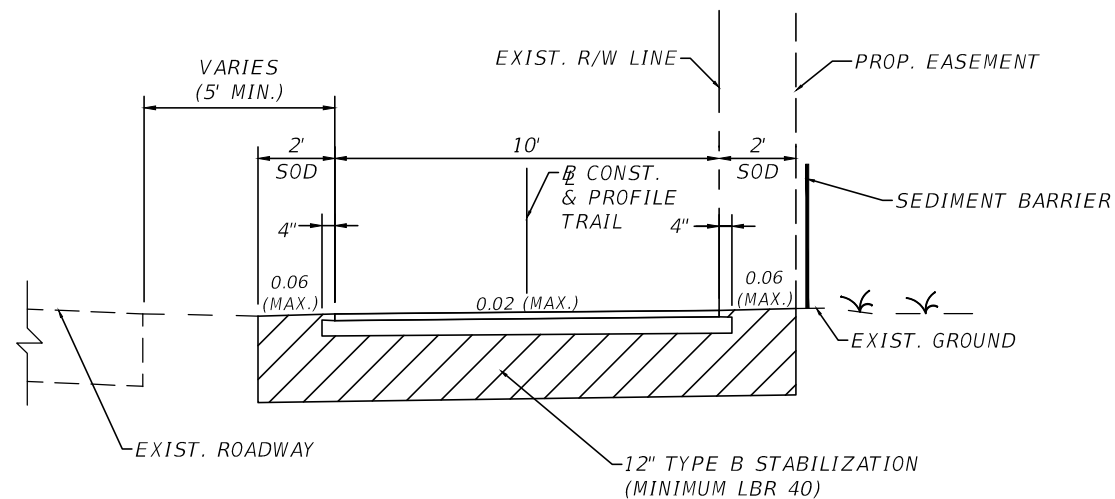


TRAIL TYPICAL SECTION 2
FORTUNE RD.

STA. 159+09.00 TO STA. 168+07.47
N.T.S.

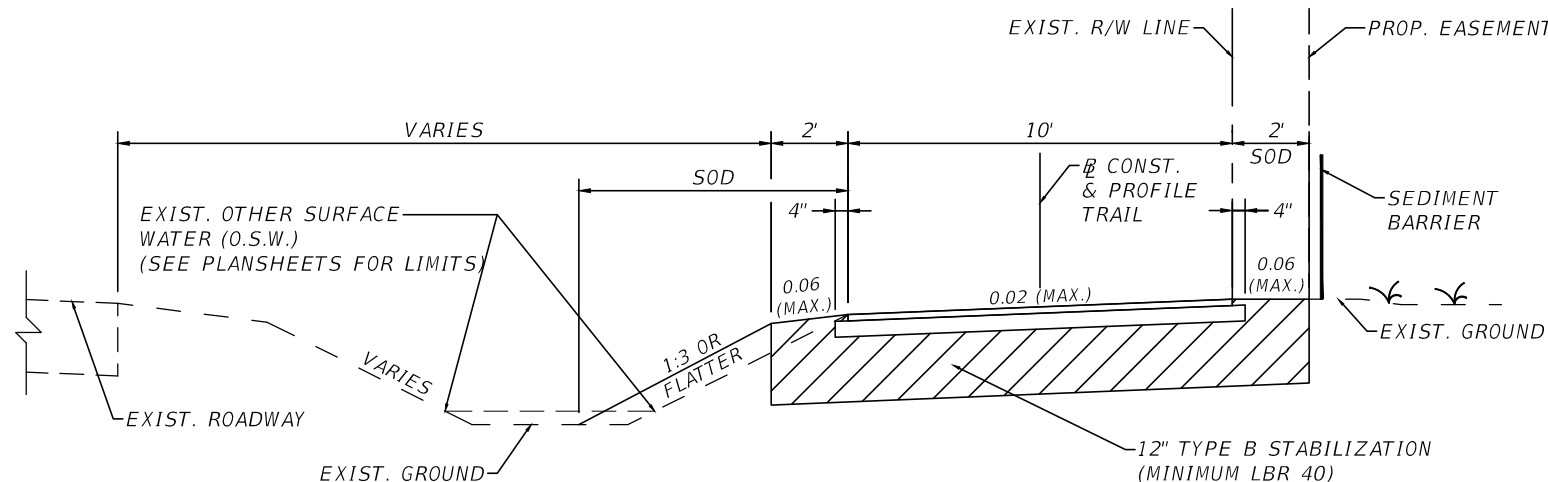
MULTI-USE TRAIL
OPTIONAL BASE GROUP 1* WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC A) (1.5")

*LIMITS OF OBG 9 TYPE 12.5	
FROM STATION	TO STATION
135+00	138+00
166+00	168+80
223+25	223+75
224+50	230+00
232+50	235+60



TRAIL TYPICAL SECTION 3
FORTUNE RD.

STA. 210+91.98 TO STA. 217+20.00
STA. 223+50.00 TO STA. 235+60.00
E. LAKE SHORE BLVD.
STA. 367+85.25 TO STA. 373+60.44
N.T.S.



TRAIL TYPICAL SECTION 4
FORTUNE RD.

STA. 217+20.00 TO STA. 223+50.00
N.T.S.

NOTE:
SEE PLAN SHEETS FOR
EASEMENT LOCATIONS

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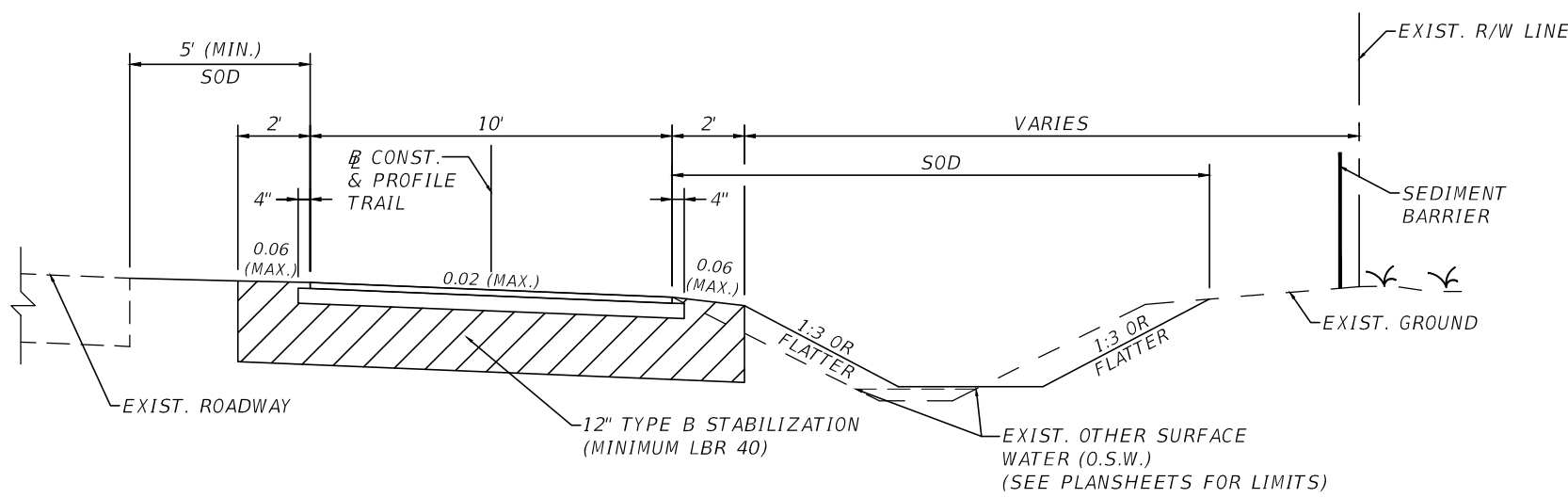


OSCEOLA COUNTY
FLORIDA

TYPICAL SECTIONS 1

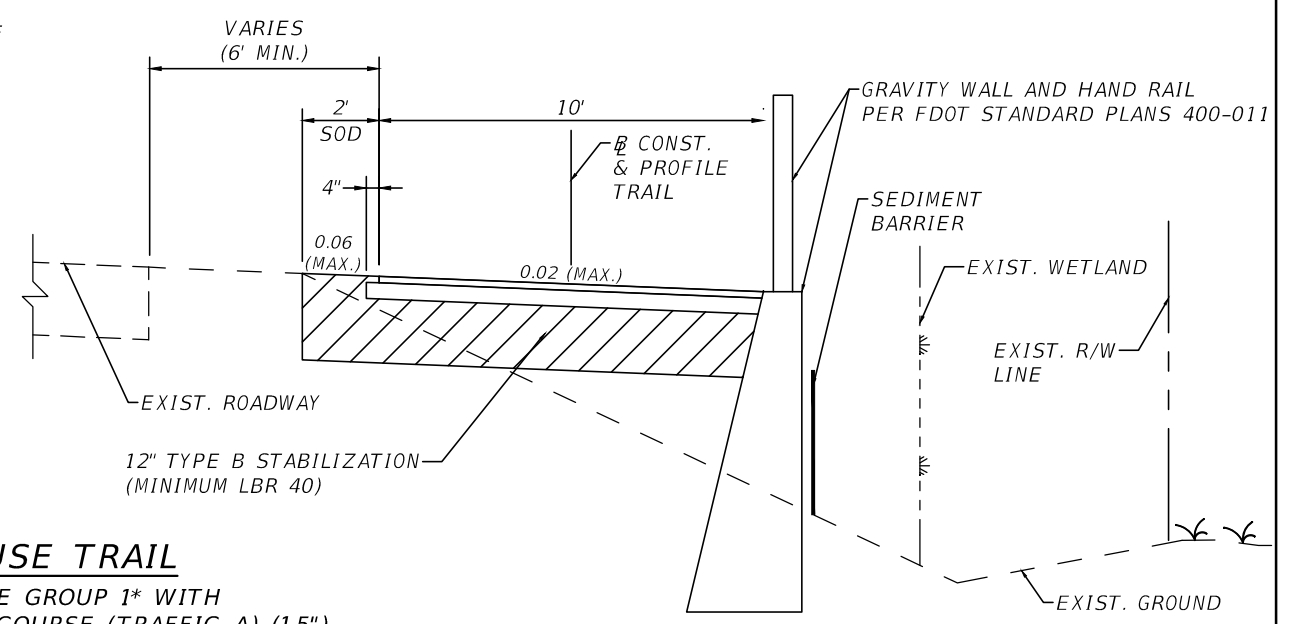
SHEET
NO.

17



TRAIL TYPICAL SECTION 5
FORTUNE RD.

STA. 235+60.00 TO STA. 283+17.99
E. LAKE SHORE BLVD.
 STA. 300+00.00 TO STA. 317+00.00
 STA. 332+11.36 TO STA. 341+00.00
 N.T.S.



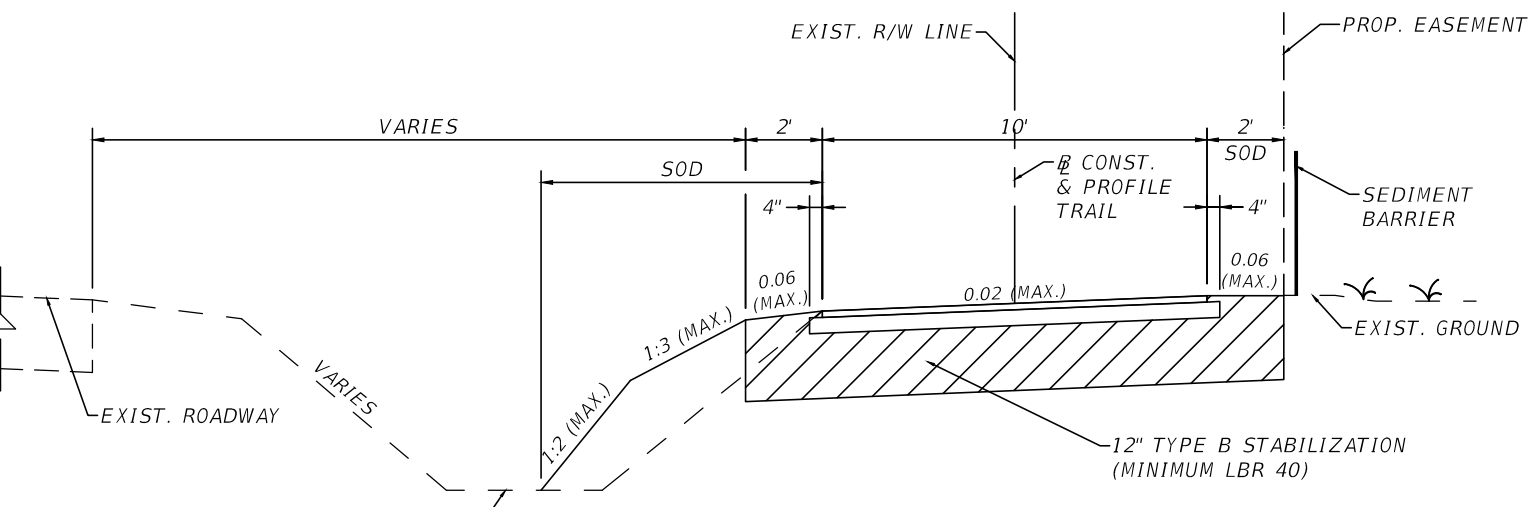
MULTI-USE TRAIL

OPTIONAL BASE GROUP 1* WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC A) (1.5")

*LIMITS OF OBG 9 TYPE 12.5	
FROM STATION	TO STATION
281+15	282+35
338+50	340+20
342+00	353+50
354+50	357+50

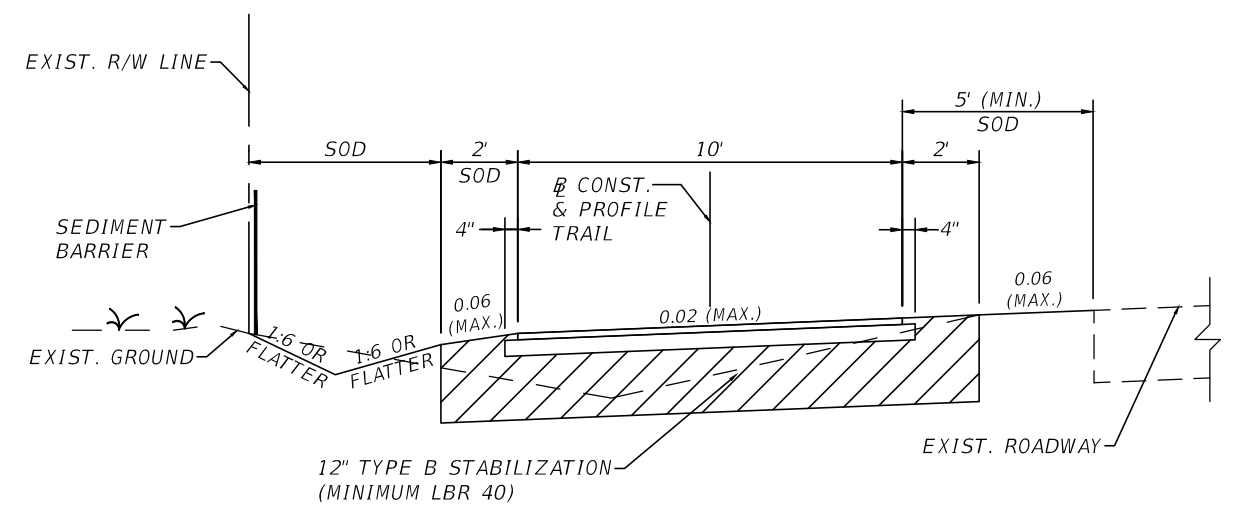
TRAIL TYPICAL SECTION 6
E. LAKE SHORE BLVD.

STA. 317+00.00 TO STA. 332+11.36
 STA. 365+40.00 TO STA. 367+85.25
 N.T.S.



TRAIL TYPICAL SECTION 7
E. LAKE SHORE BLVD.

STA. 341+00.00 TO STA. 365+40.00
 N.T.S.



TRAIL TYPICAL SECTION 8
E. LAKE SHORE BLVD.

STA. 373+01.73 TO STA. 399+72.18
 STA. 409+38.53 TO STA. 422+90.14
 STA. 445+80.19 TO STA. 484+06.01
 N.T.S.

NOTE:
 SEE PLAN SHEETS FOR
 EASEMENT LOCATIONS

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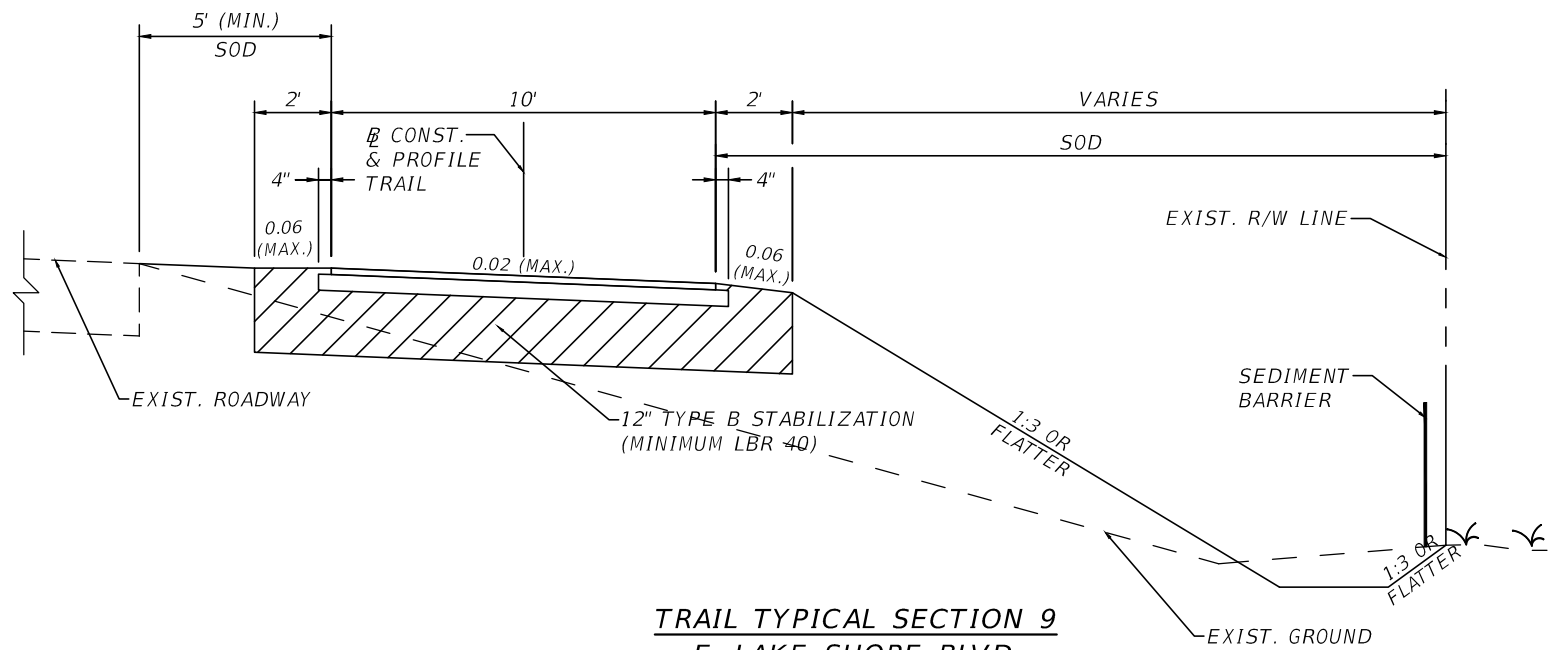


OSCEOLA COUNTY
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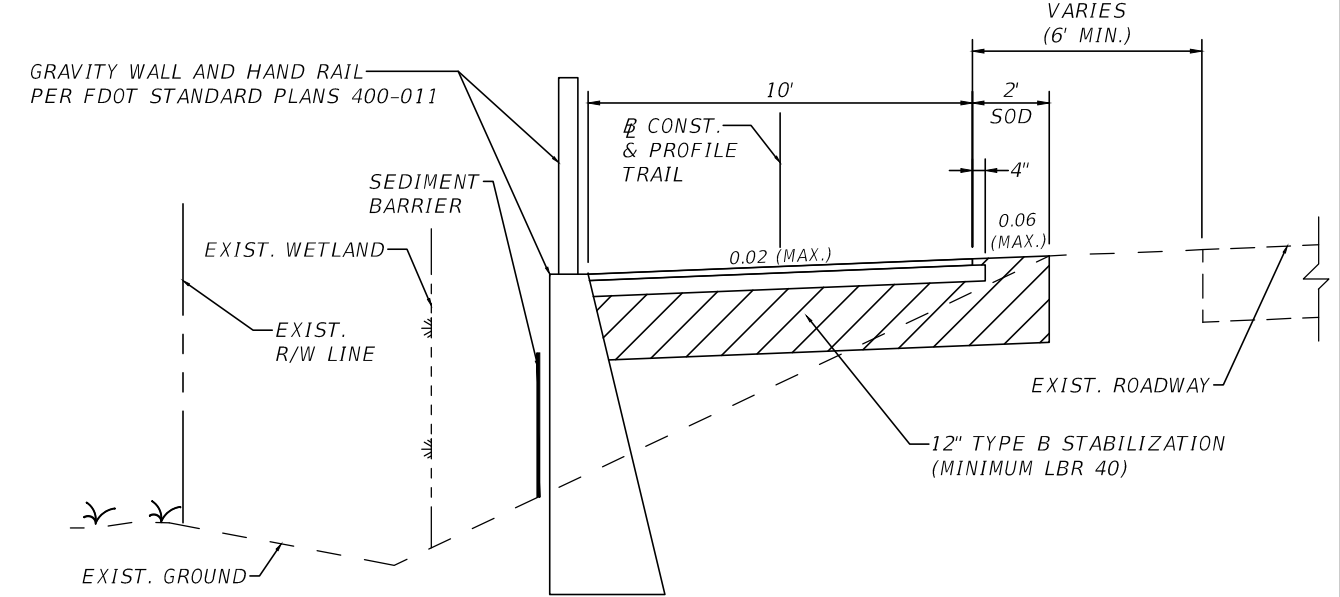
TYPICAL SECTIONS 2

SHEET
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TRAIL TYPICAL SECTION 9
E. LAKE SHORE BLVD.
 STA. 401+60.00 TO STA. 408+95.53
 N.T.S.

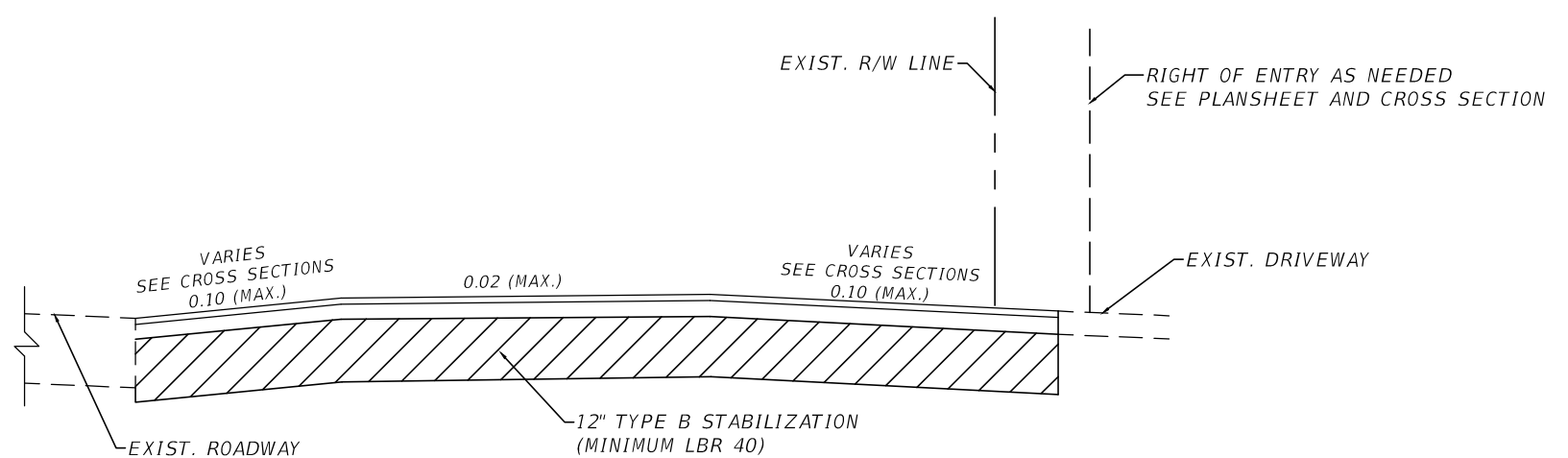


TRAIL TYPICAL SECTION 10
E. LAKE SHORE BLVD.
 STA. 422+90.14 TO STA. 445+80.19
 N.T.S.

MULTI-USE TRAIL
 OPTIONAL BASE GROUP 1* WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC A) (1.5")

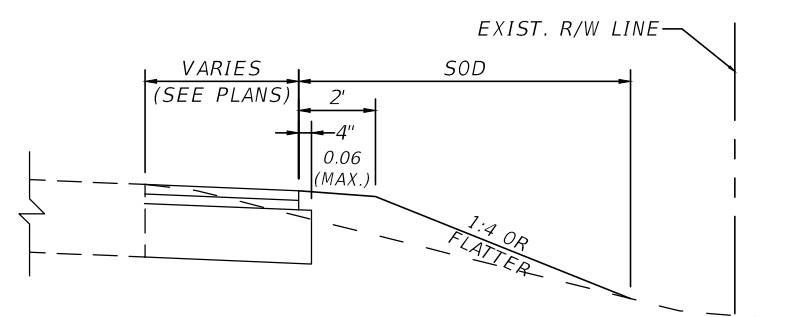
*LIMITS OF OBG 9 TYPE 12.5	
FROM STATION	TO STATION
374+72	380+56
383+00	389+00
391+80	395+50
397+60	398+50
417+17	422+50

ASPHALT DRIVEWAY
 OPTIONAL BASE GROUP 1* WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC A) (1.5")



TYPICAL ASPHALT DRIVEWAY SECTION
 N.T.S.

NOTE:
 SEE PLAN SHEETS FOR
 EASEMENT LOCATIONS



LAKESHORE BLVD WIDENING
TYPICAL SECTION
 N.T.S.

LAKESHORE BLVD ROADWAY MILLING
 MILL EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH)

LAKESHORE BLVD WIDENING STRUCTURE
 OPTIONAL BASE GROUP 9 WITH
 TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC C) (2 LIFTS, 2" AND 1")

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TYPICAL SECTIONS 3

SHEET NO.
 19

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FORTUNE RD. - WEST

LINE TABLE				
LINE #	LENGTH (ft)	BEARING	START POINT	END POINT
L1-1	50.58	N 24° 55' 17" E	N 1442104.260 E 535698.643	N 1442150.134 E 535719.957
L1-2	1175.43	N 38° 29' 19" E	N 1442170.233 E 535732.373	N 1443090.276 E 536463.910
L1-3	34.47	N 74° 30' 44" E	N 1443392.351 E 536920.304	N 1443401.556 E 536953.525
L1-4	708.15	N 89° 57' 29" E	N 1443429.698 E 537159.909	N 1443430.216 E 537868.060
L1-5	131.07	N 89° 30' 38" E	N 1443430.216 E 537868.060	N 1443431.335 E 537999.126
L1-6	61.95	S 89° 42' 02" E	N 1443431.335 E 537999.126	N 1443431.012 E 538061.077
L1-7	149.23	S 89° 07' 21" E	N 1443431.012 E 538061.077	N 1443428.727 E 538210.291
L1-8	31.73	S 86° 02' 37" E	N 1443428.727 E 538210.291	N 1443426.537 E 538241.948
L1-9	203.50	S 89° 50' 41" E	N 1443426.537 E 538241.948	N 1443425.986 E 538445.451
L1-10	14.34	N 63° 36' 17" E	N 1443425.986 E 538445.451	N 1443432.362 E 538458.299

LINE TABLE				
LINE #	LENGTH (ft)	BEARING	START POINT	END POINT
L1-11	122.40	N 89° 18' 46" E	N 1443432.362 E 538458.299	N 1443433.830 E 538580.687
L1-12	64.46	S 85° 31' 35" E	N 1443433.830 E 538580.687	N 1443428.802 E 538644.952
L1-13	348.43	S 89° 57' 19" E	N 1443428.802 E 538644.952	N 1443428.530 E 538993.381
L1-14	125.87	N 89° 21' 52" E	N 1443428.530 E 538993.381	N 1443429.926 E 539119.246
L1-15	239.85	S 86° 18' 42" E	N 1443429.926 E 539119.246	N 1443414.496 E 539358.602
L1-16	596.45	S 89° 56' 44" E	N 1443414.496 E 539358.602	N 1443413.930 E 539955.052
L1-17	458.46	N 86° 48' 33" E	N 1443413.930 E 539955.052	N 1443439.448 E 540412.799
L1-18	59.34	N 88° 15' 16" E	N 1443439.448 E 540412.799	N 1443441.255 E 540472.108
L1-19	265.54	N 86° 45' 07" E	N 1443441.255 E 540472.108	N 1443456.301 E 540737.216
L1-20	35.58	S 89° 48' 00" E	N 1443461.438 E 540930.301	N 1443461.314 E 540965.885

LINE TABLE				
LINE #	LENGTH (ft)	BEARING	START POINT	END POINT
L1-21	69.05	S 77° 03' 01" E	N 1443461.314 E 540965.885	N 1443445.839 E 541033.183
L1-22	832.81	S 89° 45' 08" E	N 1443445.839 E 541033.183	N 1443442.239 E 541865.983
L1-23	41.61	S 89° 40' 15" E	N 1443442.239 E 541865.983	N 1443442.000 E 541907.597
L1-24	300.29	S 89° 45' 39" E	N 1443442.000 E 541907.597	N 1443440.746 E 542207.881
L1-25	120.13	N 87° 30' 08" E	N 1443440.746 E 542207.881	N 1443445.982 E 542327.898
L1-26	107.00	S 89° 45' 25" E	N 1443445.982 E 542327.898	N 1443445.528 E 542434.899
L1-27	762.40	N 89° 26' 04" E	N 1443438.102 E 542472.515	N 1443445.629 E 543234.883
L1-28	76.59	N 89° 03' 00" E	N 1443445.629 E 543234.883	N 1443446.899 E 543311.462

BENCHMARK TABLE			
BENCHMARK NO.	STATION (OFFSET)	DESCRIPTION	NORTHING EASTING
15002	102+97.59 (12.11 LT.)	SET "X" IN CONC. ELEVATION = 65.61'	N 1442352.5740 E 535861.877
15004	107+50.90 (5.56 LT.)	SET "X" IN CONC. ELEVATION = 74.09'	N 1442703.3210 E 536149.130
15005	111+64.91 (5.54 LT.)	SET "X" IN CONC. ELEVATION = 75.27'	N 1443027.3670 E 536406.810
15006	115+68.93 (12.20 LT.)	SET "X" IN CONC. ELEVATION = 77.66'	N 1443309.7940 E 536696.640
15007	119+95.68 (9.03 LT.)	SET "X" IN CONC. ELEVATION = 80.91'	N 1443436.7970 E 537105.489
15008	124+00.47 (4.11 LT.)	SET "X" IN CONC. ELEVATION = 81.25'	N 1443434.0630 E 537510.860
15009	127+99.49 (4.71 LT.)	SET "X" IN CONC. ELEVATION = 80.18'	N 1443435.2860 E 537909.840
15010	131+94.94 (3.07 LT.)	SET "X" IN CONC. ELEVATION = 79.33'	N 1443429.4330 E 538305.239
15011	136+04.67 (3.54 LT.)	SET "X" IN CONC. ELEVATION = 77.59'	N 1443432.2840 E 538713.265
15012	139+50.52 (7.30 LT.)	SET "X" IN CONC. ELEVATION = 81.72'	N 1443436.5590 E 539059.029
15013	141+44.41 (4.77 LT.)	SET "X" IN CONC. ELEVATION = 90.13'	N 1443426.0840 E 539253.031

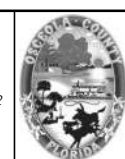
BENCHMARK TABLE			
BENCHMARK NO.	STATION (OFFSET)	DESCRIPTION	NORTHING EASTING
15014	144+09.11 (2.37 LT.)	SET "X" IN CONC. ELEVATION = 98.72'	N 1443416.7140 E 539517.197
15015	148+57.46 (1.99 LT.)	SET "X" IN CONC. ELEVATION = 97.51'	N 1443416.5020 E 539965.424
15016	150+58.05 (1.59 LT.)	SET "X" IN CONC. ELEVATION = 90.55'	N 1443427.2640 E 540165.722
15017	152+58.67 (1.67 LT.)	SET "X" IN CONC. ELEVATION = 81.90'	N 1443438.5090 E 540366.032
15018	155+32.19 (5.21 LT.)	SET "X" IN CONC. ELEVATION = 76.72'	N 1443455.9420 E 540638.980
15019	159+31.06 (12.79 LT.)	SET "X" IN CONC. ELEVATION = 75.12'	N 1443458.6170 E 541036.181
15020	164+00.08 (29.39 LT.)	PK NAIL SET ELEVATION = 76.76'	N 1443473.1910 E 541505.272
15021	168+21.58 (17.07 LT.)	TOP OF BOLT ELEVATION = 77.29'	N 1443458.9930 E 541926.718
15022	172+51.11 (23.78 LT.)	PK MAIL SET ELEVATION = 77.88'	N 1443469.6430 E 542356.156
15023	176+37.76 (0.94 LT.)	SET "X" IN CONC. ELEVATION = 78.72'	N 1443441.7040 E 542741.723
15024	180+38.80 (5.51 RT.)	SET "X" IN CONC. ELEVATION = 80.02'	N 1443439.2110 E 543142.811

CURVE DATA								
CURVE NO.	P.C. STATION	P.I. STATION	P.T. STATION	Delta (Δ)	T	L	R	e
C1-1	100+50.58	100+62.48	100+74.26	013° 34' 02"	11.90	23.68	100.00	0.71
C1-2	112+49.69	115+37.44	118+06.12	036° 01' 25"	287.76	556.43	885.00	45.61
C1-3	118+40.59	119+45.69	120+49.51	015° 26' 45"	105.10	208.93	775.00	7.09
C1-4	156+30.29	157+26.91	158+23.47	003° 26' 53"	96.62	193.18	3210.00	1.45
C1-5	173+29.95	173+37.57	173+45.05	019° 13' 16"	7.62	15.10	45.00	0.64
C1-6	173+51.05	173+59.88	173+68.53	020° 01' 48"	8.83	17.48	50.00	0.77

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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OSCEOLA COUNTY
FLORIDA

**LINE AND CURVE
GEOMETRY AND
BENCHMARKS TABLES 01**

SHEET
NO.

26

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

FORTUNE RD. - EAST

LINE TABLE				
LINE #	LENGTH (ft)	BEARING	START POINT	END POINT
L2-1	27.25	N 87° 35' 56" E	N 1443446.899 E 543311.462	N 1443448.041 E 543338.692
L2-2	180.79	S 89° 42' 47" E	N 1443448.127 E 543343.383	N 1443447.222 E 543524.172
L2-3	50.01	S 88° 53' 48" E	N 1443447.222 E 543524.172	N 1443446.259 E 543574.168
L2-4	650.01	S 89° 58' 56" E	N 1443446.259 E 543574.168	N 1443446.058 E 544224.174
L2-5	289.09	S 89° 43' 39" E	N 1443446.058 E 544224.174	N 1443444.682 E 544513.264
L2-6	1325.37	S 89° 43' 35" E	N 1443449.490 E 544557.814	N 1443443.164 E 545883.171
L2-7	473.75	S 89° 39' 41" E	N 1443431.026 E 545941.485	N 1443428.226 E 546415.228
L2-8	51.88	S 89° 43' 19" E	N 1443447.224 E 546489.105	N 1443446.972 E 546540.985
L2-9	173.68	S 89° 28' 19" E	N 1443431.443 E 546616.861	N 1443429.842 E 546790.535
L2-10	110.38	N 76° 27' 33" E	N 1443432.617 E 546814.871	N 1443458.462 E 546922.184
L2-11	22.95	S 89° 27' 27" E	N 1443461.237 E 546946.546	N 1443461.020 E 546969.490
L2-12	181.32	S 87° 06' 09" E	N 1443460.897 E 546973.598	N 1443451.731 E 547154.686
L2-13	14.78	S 76° 36' 53" E	N 1443449.142 E 547172.781	N 1443445.720 E 547187.164
L2-14	142.17	S 89° 53' 32" E	N 1443443.003 E 547210.126	N 1443442.736 E 547352.299

LINE TABLE				
LINE #	LENGTH (ft)	BEARING	START POINT	END POINT
L2-15	147.22	N 86° 15' 54" E	N 1443441.751 E 547452.517	N 1443451.341 E 547599.422
L2-16	127.70	S 89° 33' 31" E	N 1443451.550 E 547606.706	N 1443450.566 E 547734.400
L2-17	142.44	S 89° 45' 56" E	N 1443450.566 E 547734.400	N 1443449.983 E 547876.838
L2-18	334.30	N 88° 50' 40" E	N 1443449.983 E 547876.838	N 1443456.724 E 548211.065
L2-19	192.10	S 89° 33' 01" E	N 1443456.724 E 548211.065	N 1443455.216 E 548403.157
L2-20	188.76	S 89° 37' 29" E	N 1443455.216 E 548403.157	N 1443453.980 E 548591.912
L2-21	1514.25	S 89° 42' 11" E	N 1443453.980 E 548591.912	N 1443446.134 E 550106.145
L2-22	182.75	S 88° 06' 53" E	N 1443446.134 E 550106.145	N 1443440.122 E 550288.799
L2-23	60.70	S 89° 28' 18" E	N 1443438.256 E 550382.026	N 1443437.696 E 550442.722
L2-24	218.90	S 89° 57' 50" E	N 1443437.696 E 550442.722	N 1443437.558 E 550661.626
L2-25	98.03	N 89° 31' 15" E	N 1443437.558 E 550661.626	N 1443438.378 E 550759.653
L2-26	198.73	N 88° 43' 48" E	N 1443438.378 E 550759.653	N 1443442.782 E 550958.334
L2-27	97.82	N 89° 50' 44" E	N 1443442.782 E 550958.334	N 1443443.046 E 551056.157
L2-28	560.38	S 89° 41' 13" E	N 1443443.046 E 551056.157	N 1443439.984 E 551616.525

CURVE DATA								
CURVE NO.	P.C. STATION	P.I. STATION	P.T. STATION	Delta (Δ)	T	L	R	e
C2-1	200+27.25	200+29.60	200+31.95	002° 41' 17"	2.35	4.69	100.00	0.03
C2-2	212+01.84	212+13.11	212+24.29	012° 51' 47"	11.27	22.45	100.00	0.63
C2-3	212+24.29	212+35.57	212+46.74	012° 51' 51"	11.27	22.45	100.00	0.63
C2-4	225+72.12	225+87.33	226+02.14	022° 56' 12"	15.22	30.02	75.00	1.53
C2-5	226+02.14	226+17.31	226+32.08	022° 52' 17"	15.17	29.94	75.00	1.52
C2-6	231+05.83	231+25.57	231+44.43	029° 29' 26"	19.74	38.60	75.00	2.55
C2-7	231+44.43	231+64.13	231+82.96	029° 25' 48"	19.70	38.52	75.00	2.54
C2-8	232+34.84	232+54.69	232+74.03	022° 27' 13"	19.85	39.19	100.00	1.95
C2-9	232+74.03	232+93.65	233+12.78	022° 12' 12"	19.62	38.75	100.00	1.91
C2-10	234+86.46	234+98.80	235+11.02	014° 04' 08"	12.34	24.56	100.00	0.76
C2-11	236+21.40	236+33.75	236+45.98	014° 05' 01"	12.35	24.58	100.00	0.76
C2-12	236+68.92	236+70.98	236+73.03	002° 21' 18"	2.06	4.11	100.00	0.02
C2-13	238+54.35	238+63.53	238+72.66	010° 29' 16"	9.18	18.30	100.00	0.42
C2-14	238+87.44	238+99.08	239+10.62	013° 16' 40"	11.64	23.17	100.00	0.68
C2-15	241+45.21	241+49.12	241+53.02	004° 28' 21"	3.90	7.81	100.00	0.08
C2-16	243+00.24	243+03.88	243+07.53	004° 10' 35"	3.65	7.29	100.00	0.07

BENCHMARK TABLE			
BENCHMARK	STATION (OFFSET)	DESCRIPTION	NORTHING EASTNG
15025	203+27.17 (3.38 RT.)	SET "X" IN CONC. ELEVATION = 77.85'	N 1443442.8610 E 543638.593
15026	207+26.32 (11.99 LT.)	SET "X" IN CONC. ELEVATION = 76.98'	N 1443458.1020 E 544037.745
15027	212+41.82 (0.59 RT.)	SET "X" IN CONC. ELEVATION = 79.01'	N 1443448.7980 E 544552.918
15028	215+54.11 (5.28 RT.)	SET "X" IN CONC. ELEVATION = 78.96'	N 1443442.7380 E 544865.146
15029	219+45.61 (10.66 RT.)	SET "X" IN CONC. ELEVATION = 80.80'	N 1443435.4990 E 545256.618
15030	223+53.79 (4.48 RT.)	SET "X" IN CONC. ELEVATION = 80.33'	N 1443439.7230 E 545664.825
15031	227+61.76 (4.38 RT.)	SET "X" IN CONC. ELEVATION = 79.28'	N 1443425.8760 E 546071.143

BENCHMARK TABLE			
BENCHMARK	STATION (OFFSET)	DESCRIPTION	NORTHING EASTNG
95	231+67.40 (10.91 LT.)	SET "X" IN CONC. ELEVATION = 79.50'	N 1443456.3800 E 546471.453
94	235+17.78 (64.53 LT.)	SET PK NAIL IN PVMT ELEVATION = 79.42'	N 1443496.9360 E 546806.336
93	239+31.25 (61.27 LT.)	SET PK NAIL IN PVMT ELEVATION = 77.73'	N 1443504.2320 E 547230.870
92	243+63.81 (48.92 LT.)	SET PK NAIL IN PVMT ELEVATION = 75.00'	N 1443500.0390 E 547663.367
91	247+97.00 (38.12 LT.)	SET PK NAIL IN PVMT ELEVATION = 72.85'	N 1443492.5150 E 548095.363
90	252+12.87 (34.22 LT.)	SET PK NAIL IN PVMT ELEVATION = 70.33'	N 1443488.7210 E 548512.192
89	256+36.19 (34.47 LT.)	SET PK NAIL IN PVMT ELEVATION = 68.12'	N 1443486.6680 E 548935.463

BENCHMARK TABLE			
BENCHMARK	STATION (OFFSET)	DESCRIPTION	NORTHING EASTNG
-	260+63.00 (34.44 LT.)	SET PK NAIL IN PVMT ELEVATION = 67.41'	N 1443484.4330 E 549362.264
87	264+89.88 (34.41 LT.)	SET PK NAIL IN PVMT ELEVATION = 66.61'	N 1443482.1910 E 549789.134
86	269+13.14 (41.01 LT.)	SET PK NAIL IN PVMT ELEVATION = 65.65'	N 1443483.6370 E 550213.507
53	273+68.81 (79.76 LT.)	"X" ON BULLNOSE CURB ELEVATION = 64.24'	N 1443517.3670 E 550667.103
52	278+95.26 (33.30 LT.)	PK NAIL IN PVMT ELEVATION = 62.93'	N 1443475.5900 E 551194.339
51	282+80.82 (26.27 RT.)	SET PK NAIL IN PVMT ELEVATION = 60.42'	N 1443413.9170 E 551579.573

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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OSCEOLA COUNTY
FLORIDA

LINE AND CURVE GEOMETRY AND BENCHMARKS TABLES 02

SHEET
NO.

27

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

E. LAKESHORE BLVD. - NORTH

LINE TABLE					LINE TABLE					LINE TABLE				
LINE #	LENGTH (ft)	BEARING	START POINT	END POINT	LINE #	LENGTH (ft)	BEARING	START POINT	END POINT	LINE #	LENGTH (ft)	BEARING	START POINT	END POINT
L3-1	35.84	S 89° 41' 01" E	N 1443439.984 E 551616.525	N 1443439.786 E 551652.364	L3-16	332.34	S 07° 12' 08" E	N 1437817.183 E 552591.291	N 1437487.463 E 552632.957	L3-31	208.51	S 21° 39' 35" E	N 1435062.762 E 553399.632	N 1434868.971 E 553476.593
L3-2	840.03	S 03° 18' 53" W	N 1442530.074 E 552506.178	N 1441691.450 E 552457.607	L3-17	9.69	S 39° 49' 19" E	N 1437448.835 E 552649.762	N 1437441.391 E 552655.969	L3-32	176.16	S 21° 33' 37" E	N 1434868.971 E 553476.593	N 1434705.138 E 553541.327
L3-3	99.63	S 01° 21' 37" E	N 1441242.865 E 552449.956	N 1441143.266 E 552452.321	L3-18	13.08	S 07° 37' 55" E	N 1437403.322 E 552672.701	N 1437390.358 E 552674.438	L3-33	373.60	S 21° 57' 47" E	N 1434705.138 E 553541.327	N 1434358.654 E 553681.056
L3-4	261.48	S 02° 49' 56" E	N 1441143.266 E 552452.321	N 1440882.102 E 552465.242	L3-19	139.87	S 14° 39' 54" E	N 1437065.390 E 552738.481	N 1436930.080 E 552773.891					
L3-5	168.96	S 00° 29' 12" E	N 1440882.102 E 552465.242	N 1440713.146 E 552466.677	L3-20	68.43	S 16° 20' 23" E	N 1436930.080 E 552773.891	N 1436864.411 E 552793.143					
L3-6	53.36	S 01° 13' 08" E	N 1440713.146 E 552466.677	N 1440659.799 E 552467.812	L3-21	115.72	S 14° 41' 06" E	N 1436864.411 E 552793.143	N 1436752.475 E 552822.477					
L3-7	161.53	S 02° 05' 30" E	N 1440659.799 E 552467.812	N 1440498.375 E 552473.707	L3-22	41.29	N 76° 12' 22" E	N 1436752.475 E 552822.477	N 1436762.320 E 552862.577					
L3-8	73.60	S 08° 01' 07" E	N 1440477.775 E 552475.530	N 1440404.898 E 552485.796	L3-23	85.46	S 15° 16' 01" E	N 1436762.320 E 552862.577	N 1436679.881 E 552885.079					
L3-9	195.83	S 00° 18' 20" W	N 1440375.932 E 552487.749	N 1440180.101 E 552486.704	L3-24	434.46	S 14° 19' 49" E	N 1436679.881 E 552885.079	N 1436258.941 E 552992.613					
L3-10	311.55	S 00° 58' 13" W	N 1440180.101 E 552486.704	N 1439868.593 E 552481.429	L3-25	354.59	S 14° 22' 03" E	N 1436258.941 E 552992.613	N 1435915.442 E 553080.601					
L3-11	1.94	S 38° 55' 38" W	N 1439822.738 E 552464.785	N 1439821.228 E 552463.565	L3-26	155.98	S 15° 37' 13" E	N 1435915.442 E 553080.601	N 1435765.223 E 553122.600					
L3-12	131.99	S 01° 04' 12" W	N 1439775.503 E 552446.924	N 1439643.538 E 552444.459	L3-27	154.28	S 19° 54' 34" E	N 1435765.223 E 553122.600	N 1435620.163 E 553175.138					
L3-13	1121.52	S 04° 31' 11" E	N 1439524.027 E 552448.058	N 1438405.991 E 552536.439	L3-28	108.95	S 21° 31' 54" E	N 1435620.163 E 553175.138	N 1435518.815 E 553215.125					
L3-14	140.00	S 07° 23' 09" E	N 1438405.991 E 552536.439	N 1438267.153 E 552554.436	L3-29	124.24	S 22° 08' 17" E	N 1435518.815 E 553215.125	N 1435403.736 E 553261.943					
L3-15	396.77	S 04° 31' 11" E	N 1438267.153 E 552554.436	N 1437871.619 E 552585.703	L3-30	367.72	S 21° 59' 22" E	N 1435403.736 E 553261.943	N 1435062.762 E 553399.632					

CURVE DATA								
CURVE NO.	P.C. STATION	P.I. STATION	P.T. STATION	Delta (Δ)	T	L	R	e
C3-1	300+35.84	309+42.07	314+31.73	092° 59' 54"	906.23	1395.89	860.00	389.34
C3-2	322+71.76	324+96.27	327+20.53	004° 40' 30"	224.51	448.77	5500.00	4.58
C3-3	334+65.50	334+75.85	334+86.19	005° 55' 38"	10.35	20.69	200.00	0.27
C3-4	335+59.78	335+74.34	335+88.84	008° 19' 28"	14.55	29.06	200.00	0.53
C3-5	340+96.23	341+22.02	341+45.91	037° 57' 25"	25.79	49.69	75.00	4.31
C3-6	341+47.85	341+73.57	341+97.41	037° 51' 25"	25.72	49.55	75.00	4.29
C3-7	343+29.40	343+89.25	344+49.01	005° 35' 24"	59.85	119.61	1226.00	1.46
C3-8	361+07.30	361+34.67	361+62.03	002° 40' 56"	27.37	54.73	1169.00	0.32
C3-9	364+94.37	365+16.32	365+37.07	032° 37' 11"	21.95	42.70	75.00	3.14
C3-10	365+46.76	365+68.40	365+88.90	032° 11' 24"	21.64	42.14	75.00	3.06
C3-11	366+01.98	367+67.90	369+33.40	007° 01' 59"	165.92	331.43	2700.00	5.09

BENCHMARK TABLE			
BENCHMARK	STATION (OFFSET)	DESCRIPTION	NORTHING EASTING
50	303+64.19 (34.66 LT.)	PK NAIL IN PVMT ELEVATION = 63.77'	N 1443408.1870 E 551985.543
49	309+55.60 (58.48 LT.)	NAIL IN WPP #62617 ELEVATION = 61.48'	N 1443016.7420 E 552455.503
48	312+89.21 (64.10 LT.)	FOUND BRASS DISK STAMPED "F.D.O.T." ELEVATION = 60.69' (ACTUAL)	N 1442679.2830 E 552566.347
47	314+84.86 (35.06 LT.)	PK NAIL IN PVMT ELEVATION = 63.22'	N 1442475.0020 E 552538.108
46	319+46.16 (34.26 LT.)	PK NAIL IN PVMT ELEVATION = 62.36'	N 1442014.5240 E 552510.635
45	324+65.66 (34.66 LT.)	NAIL IN WPP#17739 ELEVATION = 62.21'	N 1441496.9320 E 552484.457
44	331+31.03 (38.00 LT.)	NAIL IN WPP #58893 ELEVATION = 62.36'	N 1440833.0390 E 552503.663
43	337+21.95 (71.83 LT.)	NAIL IN WPP ELEVATION = 61.74'	N 1440242.4450 E 552558.864

BENCHMARK TABLE			
BENCHMARK	STATION (OFFSET)	DESCRIPTION	NORTHING EASTING
42	341+09.33 (75.15 LT.)	NAIL IN WPP #17725 ELEVATION = 61.65'	N 1439841.2540 E 552553.843
41	345+41.64 (104.26 LT.)	NAIL IN WPP #161323 ELEVATION = 61.66'	N 1439439.8980 E 552559.296
40	351+44.66 (101.82 LT.)	NAIL IN WPP #45167 ELEVATION = 60.39'	N 1438838.5620 E 552604.383
39	355+42.18 (104.20 LT.)	NAIL IN WPP #17719 ELEVATION = 61.52'	N 1438442.4720 E 552638.076
38	361+04.70 (98.89 LT.)	NAIL IN WPP ELEVATION = 61.33'	N 1437882.0010 E 552684.080
37	365+47.48 (74.02 LT.)	"X" CUT ON TOP OF EXPOSED 24" RCP ELEVATION = 60.92'	N 1437487.6900 E 552713.733
36	369+70.32 (54.93 LT.)	NAIL IN WPP #64070 ELEVATION = 62.67'	N 1437043.5850 E 552800.969
35	371+57.86 (47.23 LT.)	FOUND BRASS DISK STAMPED "F.D.O.T." ELEVATION = 60.93' (ACTUAL)	N 1436860.7560 E 552842.926

BENCHMARK TABLE			
BENCHMARK	STATION (OFFSET)	DESCRIPTION	NORTHING EASTING
34	375+96.95 (9.98 RT.)	PK NAIL IN PVMT ELEVATION = 61.99'	N 1436471.2440 E 552928.079
33	380+16.59 (8.91 RT.)	PK NAIL IN PVMT ELEVATION = 61.98'	N 1436064.9540 E 553033.102
32	384+18.29 (11.65 RT.)	PK NAIL IN PVMT ELEVATION = 62.32'	N 1435677.4790 E 553141.986
31	388+22.96 (9.79 RT.)	PK NAIL IN PVMT ELEVATION = 62.48'	N 1435301.5040 E 553292.671
30	392+30.89 (9.78 RT.)	PK NAIL IN PVMT ELEVATION = 62.94'	N 1434922.9950 E 553444.611
29	396+56.55 (10.39 RT.)	PK NAIL IN PVMT ELEVATION = 63.05'	N 1434527.3720 E 553601.815
28	399+19.66 (53.22 RT.)	SET ROD & CAP "TRAV POINT" ELEVATION = 65.99'	N 1434267.3050 E 553660.641

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 Certificate of Authorization # 3932
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**OSCEOLA COUNTY
FLORIDA**

**LINE AND CURVE
GEOMETRY AND
BENCHMARKS TABLES 03**

SHEET
NO.

28

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

E. LAKESHORE BLVD. - SOUTH

LINE TABLE					LINE TABLE					LINE TABLE				
LINE #	LENGTH (ft)	BEARING	START POINT	END POINT	LINE #	LENGTH (ft)	BEARING	START POINT	END POINT	LINE #	LENGTH (ft)	BEARING	START POINT	END POINT
L4-1	102.41	S 85° 44' 19" E	N 1434186.027 E 553549.677	N 1434178.417 E 553651.804	L4-11	230.01	S 23° 30' 16" E	N 1429895.228 E 556526.541	N 1429684.303 E 556618.273	L4-21	189.21	S 56° 42' 07" E	N 1428362.954 E 558147.863	N 1428259.078 E 558306.011
L4-2	33.95	S 31° 46' 20" E	N 1433961.899 E 554008.690	N 1433933.040 E 554026.564	L4-12	43.70	S 24° 10' 52" E	N 1429666.066 E 556625.274	N 1429626.205 E 556643.173	L4-22	69.64	S 60° 55' 35" E	N 1427953.732 E 558810.479	N 1427919.890 E 558871.348
L4-3	330.83	S 27° 04' 01" E	N 1433933.040 E 554026.564	N 1433638.443 E 554177.102	L4-13	161.02	S 49° 42' 51" E	N 1429395.207 E 556816.912	N 1429291.091 E 556939.743					
L4-4	41.53	N 62° 55' 32" E	N 1433638.443 E 554177.102	N 1433657.343 E 554214.077	L4-14	100.37	S 48° 46' 04" E	N 1429291.091 E 556939.743	N 1429224.935 E 557015.226					
L4-5	969.24	S 27° 07' 56" E	N 1433657.343 E 554214.077	N 1432794.760 E 554656.096	L4-15	335.80	S 49° 41' 59" E	N 1429224.935 E 557015.226	N 1429007.743 E 557271.329					
L4-6	1489.03	S 34° 50' 52" E	N 1432368.511 E 554906.110	N 1431146.504 E 555756.937	L4-16	164.38	S 51° 46' 51" E	N 1429007.743 E 557271.329	N 1428906.047 E 557400.473					
L4-7	436.50	S 35° 00' 04" E	N 1431146.504 E 555756.937	N 1430788.945 E 556007.311	L4-17	131.99	S 52° 36' 19" E	N 1428906.047 E 557400.473	N 1428825.891 E 557505.332					
L4-8	366.87	S 35° 03' 55" E	N 1430788.945 E 556007.311	N 1430488.660 E 556218.084	L4-18	426.53	S 53° 22' 43" E	N 1428825.891 E 557505.332	N 1428571.456 E 557847.664					
L4-9	264.60	S 24° 23' 18" E	N 1430176.468 E 556396.348	N 1429935.475 E 556505.609	L4-19	129.06	S 54° 12' 31" E	N 1428571.456 E 557847.664	N 1428495.978 E 557952.349					
L4-10	45.36	S 27° 28' 40" E	N 1429935.475 E 556505.609	N 1429895.228 E 556526.541	L4-20	236.48	S 55° 46' 09" E	N 1428495.978 E 557952.349	N 1428362.954 E 558147.863					

CURVE DATA								
CURVE NO.	P.C. STATION	P.I. STATION	P.T. STATION	Delta (Δ)	T	L	R	e
C4-1	400+98.96	403+33.17	405+32.23	053° 57' 59"	234.21	433.27	460.00	56.19
C4-2	420+25.80	422+14.32	424+02.36	007° 11' 30"	188.53	376.56	3000.00	5.92
C4-3	446+94.76	448+75.30	450+54.79	010° 40' 37"	180.53	360.02	1932.00	8.42
C4-4	456+58.00	458+06.18	459+49.44	025° 32' 00"	148.18	291.45	654.00	16.58
C4-5	478+24.27	481+19.31	484+14.09	004° 13' 27"	295.04	589.82	8000.00	5.44

BENCHMARK TABLE				BENCHMARK TABLE			
BENCHMARK	STATION (OFFSET)	DESCRIPTION	NORTHING EASTNG	BENCHMARK	STATION (OFFSET)	DESCRIPTION	NORTHING EASTNG
28	401+00.81 (89.30 LT.)	SET ROD & CAP "TRAV POINT" ELEVATION = 65.99'	N 1434267.3050 E 553660.641	16	450+18.68 (69.98 RT.)	NAIL IN WPP ELEVATION = 64.77'	N 1430179.1310 E 556317.950
27	406+11.29 (6.38 RT.)	NAIL IN WPP ELEVATION = 63.39'	N 1433889.9640 E 554041.414	15	454+20.52 (37.58 RT.)	FOUND BRASS DISK FLORIDA SRD 67.12' (STAMPED) ELEVATION = 67.14' (ACTUAL)	N 1429829.1040 E 556514.313
26	411+34.48 (47.56 RT.)	NAIL IN WPP ELEVATION = 63.62'	N 1433461.2650 E 554261.117	14	455+44.79 (10.07 RT.)	FOUND BRASS DISK FLORIDA SRD 67.08' (STAMPED) ELEVATION = 67.10' (ACTUAL)	N 1429726.1110 E 556589.108
25	413+15.88 (46.56 RT.)	NAIL IN WPP ELEVATION = 63.73'	N 1433300.2810 E 554344.733	13	456+05.11 (46.46 RT.)	NAIL IN WPP ELEVATION = 65.10'	N 1429657.9920 E 556578.606
24	416+76.00 (46.74 RT.)	NAIL IN WPP ELEVATION = 63.70'	N 1432979.7130 E 554508.802	12	460+62.86 (7.94 LT.)	NAIL IN WPP #L506H102 ELEVATION = 63.62'	N 1429327.9280 E 556908.566
23	420+33.58 (46.84 RT.)	NAIL IN WPP ELEVATION = 63.51'	N 1432661.4860 E 554673.070	11	464+65.83 (9.14 LT.)	NAIL IN WPP ELEVATION = 64.68'	N 1429066.9780 E 557215.620
22	423+86.42 (46.92 RT.)	NAIL IN WPP #S5081101 ELEVATION = 64.42'	N 1432355.0110 E 554858.392	10	469+69.26 (11.39 LT.)	NAIL IN WPP ELEVATION = 65.11'	N 1428759.7170 E 557613.466
20	432+87.92 (47.38 RT.)	NAIL IN WPP ELEVATION = 64.22'	N 1431614.6810 E 555373.238	9	473+70.31 (10.24 LT.)	NAIL IN WPP ELEVATION = 65.15'	N 1428520.8190 E 557935.406
19	436+45.88 (47.07 RT.)	NAIL IN WPP ELEVATION = 63.89'	N 1431321.0900 E 555578.027	8	477+73.70 (7.50 LT.)	NAIL IN WPP ELEVATION = 64.67'	N 1428293.1110 E 558267.856
18	440+32.68 (47.14 RT.)	NAIL IN WPP #L5071201 ELEVATION = 64.43'	N 1431003.7270 E 555799.362	7	481+42.66 (8.84 LT.)	NAIL IN WPP ELEVATION = 62.44'	N 1428097.2070 E 558580.091
17	446+03.79 (48.71 RT.)	NAIL IN WPP ELEVATION = 62.07'	N 1430535.1350 E 556125.954				

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OSCEOLA COUNTY
FLORIDA

LINE AND CURVE GEOMETRY AND BENCHMARKS TABLES 04

SHEET
NO.

29

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

GENERAL NOTES

- ELEVATIONS SHOWN HEREON ARE BASED ON N.G.V.D. 1929 DATUM. REFERENCE BENCHMARK IS 05-80, ELEVATION = 61.29.
- BEARINGS SHOWN HEREON ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE. (NAD 83, 1990 ADJUSTMENT) AS DETERMINED FROM GLOBAL POSITIONING SYSTEM (GPS).
- ALL PUBLIC LAND CORNERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED BY CONTRACTOR AS FOLLOWS: CORNERS AND MONUMENTS IN CONFLICT WITH THE WORK IN DANGER OF BEING DAMAGED, DESTROYED OR COVERED SHALL BE PROPERLY REFERENCED BY A REGISTERED LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THAT SITE. THE CONTRACTOR SHALL RETAIN THE LAND SURVEYOR TO REFERENCE, AND RESTORE UPON COMPLETION OF THE WORK, ALL SUCH CORNERS AND MONUMENTS AND SHALL FURNISH TO THE DISTRICT LOCATION ENGINEER A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING. INCLUDE ALL COST OF REFERENCING, RESTORING AND PRESERVING IN THE BID UNIT PRICE FOR ITEM 101-1 MOBILIZATION.
- ALL N.G.V.D. BENCH MARK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED AND REFERENCED BY THE CONTRACTOR IN THE SAME WAY AS PUBLIC LAND CORNERS EXCEPT THAT THE LAND SURVEYORS SHALL NOT BE REQUIRED TO RESTORE THE N.G.V.D. BENCH MARK UPON COMPLETION OF THE WORK. THE CONTRACTOR SHALL PROMPTLY TRANSMIT ALL DISPLACED OR DAMAGED N.G.V.D. DISCS TO THE COUNTY SURVEYOR, WHO SHALL NOTIFY THE GEODETIC INFORMATION CENTER. INCLUDE ALL COST OF REFERENCING AND PROTECTING IN THE BID PRICE FOR ITEM 101-1 MOBILIZATION.
- THE CONTRACTOR SHALL USE A STREET SWEEPER (USING WATER) OR OTHER EQUIPMENT CAPABLE OF CONTROLLING AND REMOVING DUST. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK. CLEARING AND SWEEPING IS TO BE INCLUDED IN ITEM 102-1 MAINTENANCE OF TRAFFIC.
- ALL SALVAGEABLE AND/OR ANY SIGNING MATERIAL, INCLUDING SUPPORTS, WHICH ARE TO BE REMOVED, SHALL REMAIN THE PROPERTY OF THE COUNTY. THEY SHALL BE LOADED, DELIVERED AND UNLOADED BY THE CONTRACTOR IN EXISTING CONDITION AT THE MAINTENANCE FACILITY. CONTACT KEVIN KRUG (407-738-9405) FOR LOCATION. COST TO BE INCLUDED IN ITEM 110-86 DELIVERY OF SALVAGEABLE MATERIALS.
- THE CONTRACTOR SHALL INSTALL STATION BOARDS AT R/W LINE.
THE CONTRACTOR SHALL MAINTAIN THE STATION MARKS VISIBLE UNTIL FINAL INSPECTION. COST TO BE INCLUDED IN RELATED PAY ITEM 102-1 MAINTENANCE OF TRAFFIC.
- IF SHEETING, SHORING OR DEWATERING, INCLUDING WELL POINTS ARE NECESSARY, THE CONTRACTOR MUST MONITOR AND CONTROL ALL WORK THAT MAY CAUSE CRACKING TO ANY ADJACENT BUILDING, STRUCTURE OR PROPERTY AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES CAUSED BY THESE OPERATIONS, COST OF SHEETING, SHORING OR DEWATERING, INCLUDING WELL POINTS, AND ALL MONITORING COST SHALL BE INCLUDED IN THE RELATED BID ITEMS FOR THE WORK BEING DONE.
- ALL SOD MATERIALS SHALL BE SUBJECT TO INSPECTION BY THE COUNTY PRIOR TO PLACEMENT.
- THE CONTRACTOR SHALL MAINTAIN APPROPRIATE SKIMMERS AND ABSORBENT MATERIALS AT THE WORK AREA FOR IMMEDIATE DEPLOYMENT IN THE EVENT OF AN ACCIDENTAL SPILL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT APPLICABLE WATER QUALITY STANDARDS ARE MET BY PREVENTING THE DISCHARGE OF ANY FOREIGN MATERIAL IN THE WATER. THE CONTRACTOR SHALL ERECT THE BEST AVAILABLE MEANS OF EROSION AND TURBIDITY CONTROL, SUCH AS BUT NOT LIMITED TO, SILT FENCES, ROCK BAGS, TURBIDITY CURTAINS AND TARPAULINS, TO ISOLATE THE WORK AREA AT ALL TIMES. THESE MEASURES SHALL BE MAINTAINED FUNCTIONAL THROUGHOUT THE DURATION OF THE PROJECT.
- THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL INLETS ALONG THE PROJECT CORRIDOR CLEAN OF MILLING MATERIAL, LIMEROCK, DEBRIS AND SOIL USING THE APPROPRIATE EROSION CONTROL MEASURE SUCH AS, BUT NOT LIMITED TO, ROCK BAGS AND STAKED SILT FENCES. EROSION CONTROL MEASURES WILL BE KEPT FUNCTIONAL THROUGHOUT THE DURATION OF THE PROJECT.

- EROSION CONTROL ITEMS ARE ESTIMATED FOR PREVENTION, CONTROL AND ABATEMENT OF EROSION, SEDIMENTATION, AND WATER POLLUTION. THESE ITEMS ARE TO BE USED AT THE LOCATIONS DESCRIBED IN THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN OR AS DIRECTED BY THE PROJECT ENGINEER TO COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
- ALL SYNTHETIC HAY BALES, ROCK BAGS, TURBIDITY CURTAINS, TARPAULINS AND SILT FENCE SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL COORDINATE SELECTION AND REVIEW OF ANY PROPOSED STAGING AREAS ASSOCIATED WITH THIS PROJECT WITH THE COUNTY STAFF DURING THE PRE-CONSTRUCTION MEETING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING COUNTY STAFF AT LEAST THREE BUSINESS DAYS PRIOR TO STAGING. AT THE END OF THE PROJECT, THE STAGING AREA WILL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER.
- THE CONTRACTOR WILL RESTRICT PERSONNEL, THE USE OF EQUIPMENT AND THE STORAGE OF MATERIALS TO AREAS WITHIN THE LIMITS OF CONSTRUCTION AS NOTED ON THE PLAN SHEETS. ANY OFF-SITE STORAGE AREA WILL REQUIRE PRIOR REVIEW BY COUNTY STAFF.
- PRIOR TO FINAL PROJECT INSPECTION, THE CONTRACTOR SHALL FURNISH OSCEOLA COUNTY THREE SETS OF CONSTRUCTION AS-BUILT PLANS, INCLUDING CAD FILES.
- CONTRACTOR TO VIDEOTAPE AND PHOTOGRAPH PROJECT SITE PRIOR TO CONSTRUCTION AND PRESENT A COPY TO OSCEOLA COUNTY.
- ALL TREES THAT ARE TO BE REMOVED SHALL BE REVIEWED AND COORDINATED WITH THE COUNTY BEFORE TREE REMOVAL.
- THE FOLLOWING ITEMS SHALL BE INCLUDED IN THE BID PRICE FOR CLEARING & GRUBBING, ITEM 110-1-1:
 - EXISTING ASPHALT AT PARTIN SETTLEMENT RD AND BROWN CHAPEL RD AND DRIVEWAYS TO BE REMOVED.
 - EXISTING TREES TO BE REMOVED.
- DRIVEWAYS TO BE REPLACED ARE TO MATCH EXISTING DRIVEWAY DIMENSIONS.
- CONTRACTOR TO COORDINATE THE FINAL LOCATION OF BUS STOPS WITH LYNX.

UTILITY NOTES

- ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED.
- TWO-BUSINESS DAYS PRIOR TO DIGGING THE CONTRACTOR SHALL CALL SUNSHINE STATE ONE CALL OF FLORIDA, TELEPHONE NUMBER 1-800-432-4770, AND THE UTILITY OWNER AND REQUEST UTILITY LOCATIONS. A CONTRACTOR'S REPRESENTATIVE MUST BE PRESENT WHEN UTILITY COMPANIES LOCATE THEIR FACILITIES.
- THE CONTRACTOR IS ADVISED THAT PROPERTIES ADJACENT TO THE PROJECT HAVE ELECTRIC, TELEPHONE, GAS, WATER AND/OR SEWER SERVICE LATERALS WHICH MAY NOT BE SHOWN IN PLANS. THE CONTRACTOR MUST REQUEST THE LOCATION OF THESE LATERAL SERVICES FROM THE UTILITY COMPANIES. THE ADDITIONAL COST OF EXCAVATING, INSTALLING, BACKFILLING AND COMPACTING AROUND THESE LATERAL SERVICES MUST BE INCLUDED IN THE BID RELATED ITEM FOR THE WORK BEING DONE.
- THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED VV, VH AND VVH) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION.
- UTILITY OWNERS:

AT&T:	(407) 351-8180
CENTURY LINK:	(850) 599-1444
CHARTER:	(407) 532-8517
ST CLOUD UTILITIES:	(407) 957-7222
FLORIDA GAS TRANSMISSION:	(407) 838-7171
KISSIMMEE UTILITY AUTHORITY:	(407) 933-7777 (EXT. 6653)
ORLANDO UTILITIES COMMISSION:	(407) 434-2569
OSCEOLA COUNTY TRAFFIC:	(407) 742-7534

SPRINT:	(352) 409-5095
SUMMIT BROADBAND:	(407) 996-1183
TECO PEOPLE'S GAS:	(407) 420-6663
TOHO WATER AUTHORITY:	(407) 944-5043

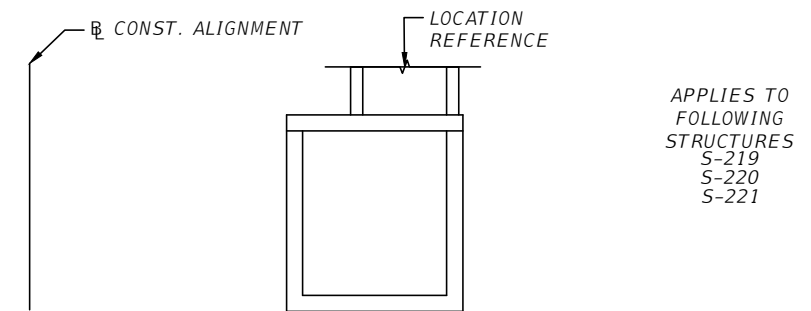
- CONTRACTOR SHALL REMOVE BURIED OUT OF SERVICE UTILITY LINES WITHIN THE LIMITS OF ALL EXCAVATION UNLESS OTHERWISE NOTED. THE COST OF THIS WORK SHALL BE INCIDENTAL TO AND INCLUDED IN THE COST OF THE WORK BEING PERFORMED WHEN THE LINES ARE ENCOUNTERED.
- ALL STAKING OF PROPOSED CONSTRUCTION TO ALLOW FOR PROPER INSTALLATION/RELOCATION OF UTILITY FACILITIES, AS INDICATED ON THE UTILITY RELOCATION SCHEDULES, SHALL BE PERFORMED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE IMPACTED UTILITIES AND STAKE THE ITEMS REQUESTED. THIS STAKING SHALL BE SEPARATE AND IN ADDITION TO THE NORMAL STAKING FOR THE PROJECT. THE COST OF THIS STAKING SHALL BE INCIDENTAL TO AND INCLUDED IN THE BID PRICE FOR MOBILIZATION, ITEM 101-1.

ENVIRONMENTAL NOTES

- THE CONTRACTOR WILL ADHERE TO THE STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE ESTABLISHED BY THE US FISH AND WILDLIFE SERVICE (AUGUST 12, 2013).

DRAINAGE NOTES

- ALL EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
- ALL LENGTHS FOR DRAINAGE PIPES ARE SHOWN FROM THE INNER WALL OF STRUCTURE TO THE INNER WALL OF STRUCTURE.
- ALL STORM PIPES SHALL BE STEEL REINFORCED CONCRETE PIPE CLASS III.
- ALL PIPE JOINTS TO BE WRAPPED PER FDOT STANDARD PLANS 430-001.
- FOR THE EXISTING STRUCTURES THAT OVERLAP PROPOSED SIDEWALK, THE SIDEWALK FINAL GRADE MUST MATCH THE INLET TOP ELEVATIONS.
- FOR CURB AND PAVEMENT REMOVAL AND REPLACEMENT FOR PIPE INSTALLATION WITHIN THE EXISTING ROADWAY REFER TO FDOT STANDARD PLANS 125-001 AND FDOT SPECIFICATION 125-14.6. AS SPECIFIED IN 125-11, ALL COSTS OF SUCH REMOVAL AND REPLACEMENT SHALL BE INCLUDED IN THE COST OF THE PIPE.
- SEE BELOW FOR J-BOTTOM LEFT ORIENTATION DETAIL AS NOTED IN THE STRUCTURE PARAGRAPH:



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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**OSCEOLA COUNTY
FLORIDA**

GENERAL NOTES

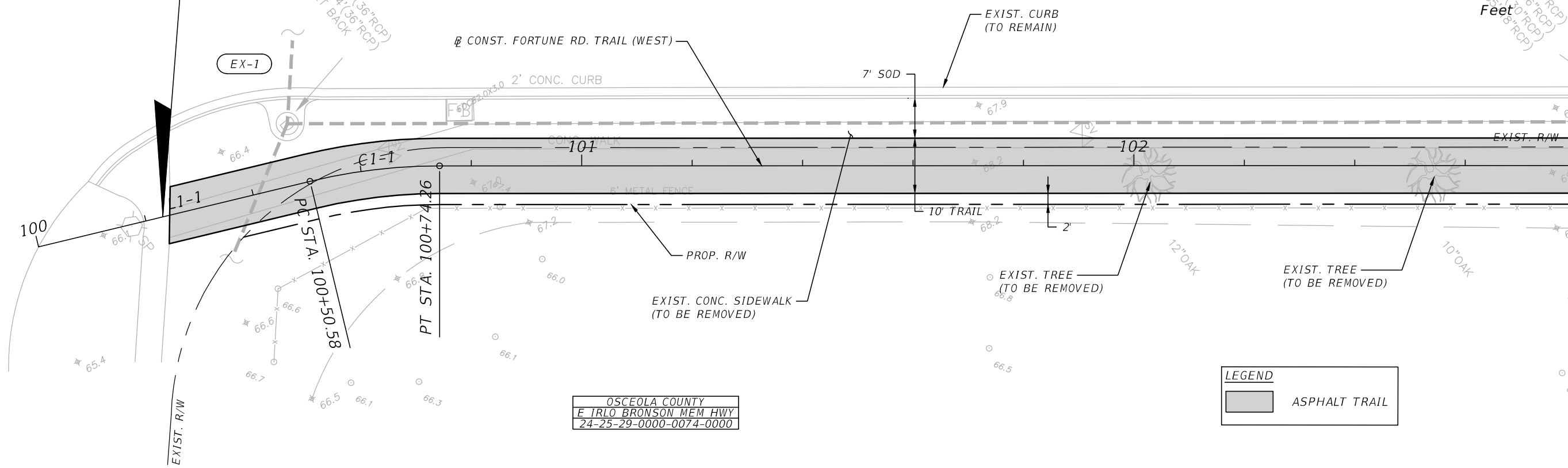
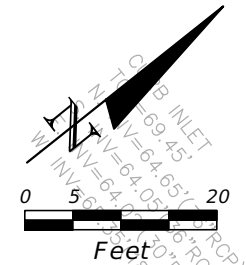
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US-192

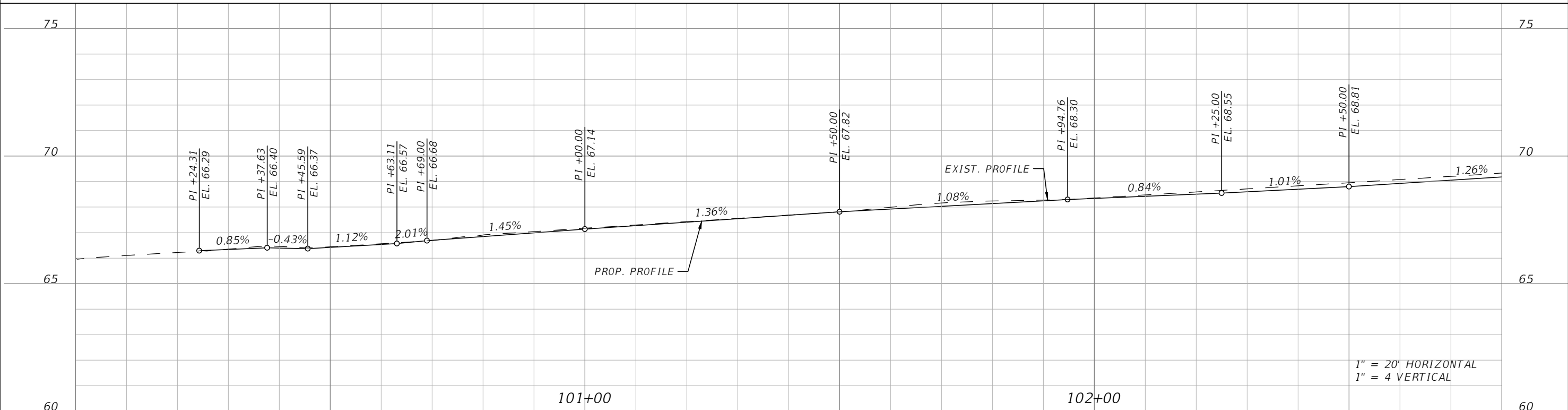
BEGIN FORTUNE RD (WEST) TRAIL
 CONST. FORTUNE RD (WEST)
 STA. 100+23.16

FORTUNE RD.



OSCEOLA COUNTY
 EIRLO BRONSON MEM HWY
 24-25-29-0000-0074-0000

LEGEND
 [Shaded Box] ASPHALT TRAIL



1" = 20' HORIZONTAL
 1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



OSCEOLA COUNTY
 FLORIDA

FORTUNE ROAD (WEST) ROADWAY
 PLAN & PROFILE 1

SHEET NO.
 R-1

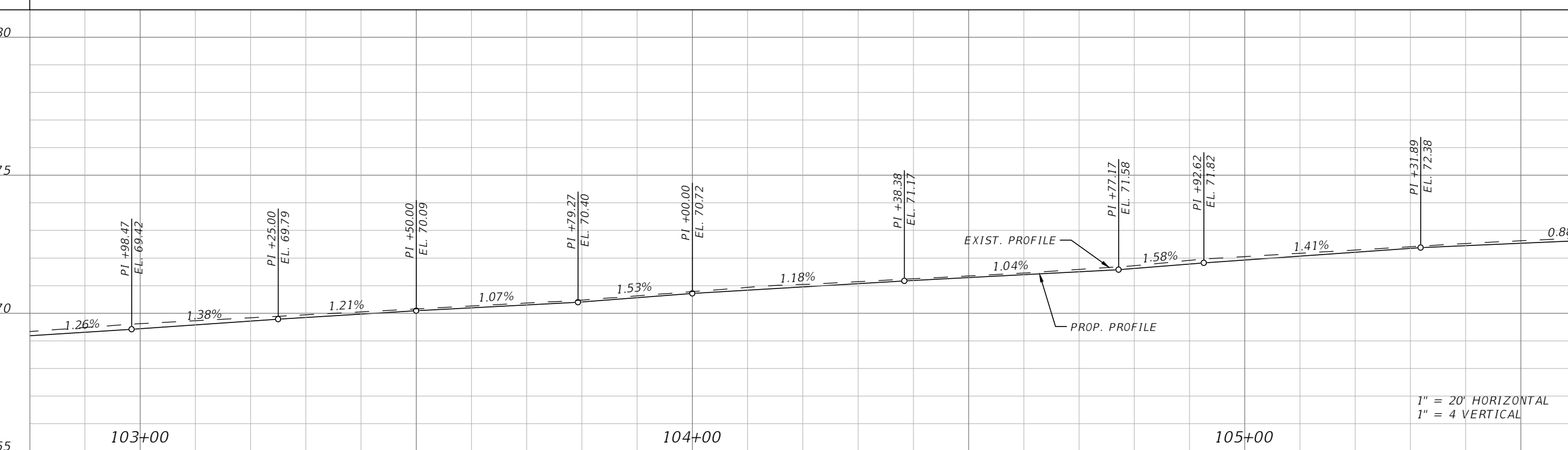
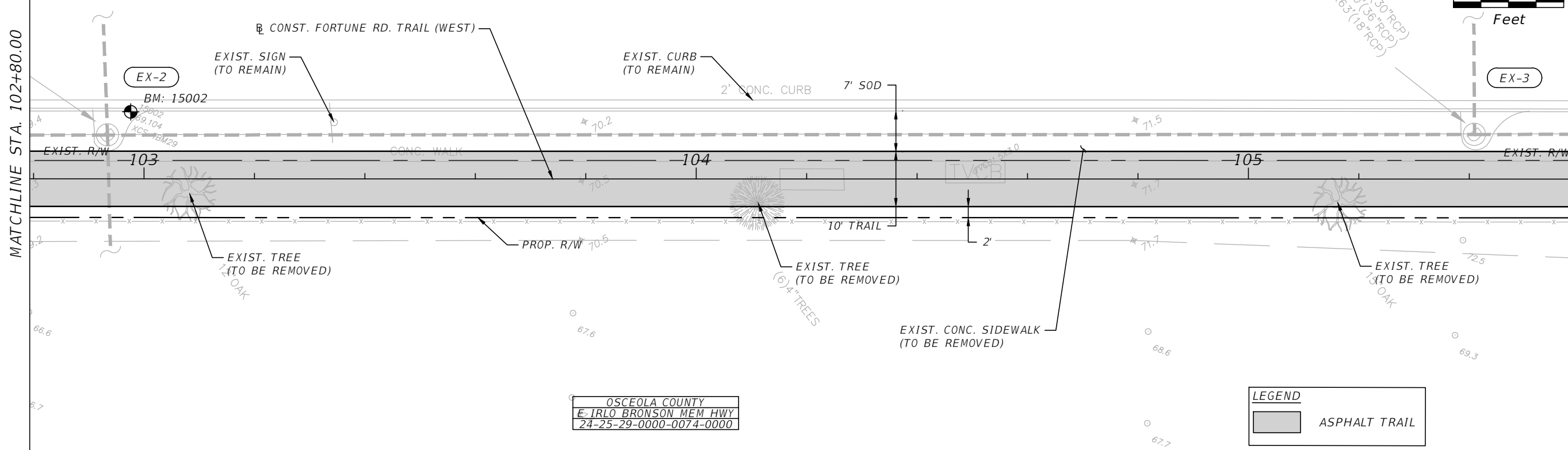
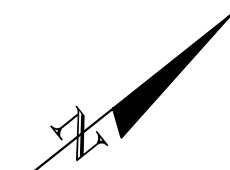
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FORTUNE RD.

MATCHLINE STA. 102+80.00

MATCHLINE STA. 105+60.00

CURB INLET
TOP=72.53'
N. INV=67.03' (30" RCP)
S. INV=66.00' (36" RCP)
W. INV=67.63' (18" RCP)



1" = 20' HORIZONTAL
1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



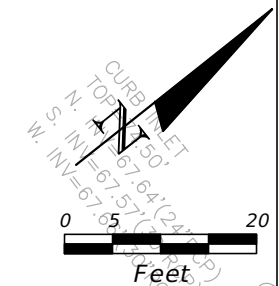
OSCEOLA COUNTY
FLORIDA

FORTUNE ROAD (WEST) ROADWAY
PLAN & PROFILE 2

SHEET NO.
R-2

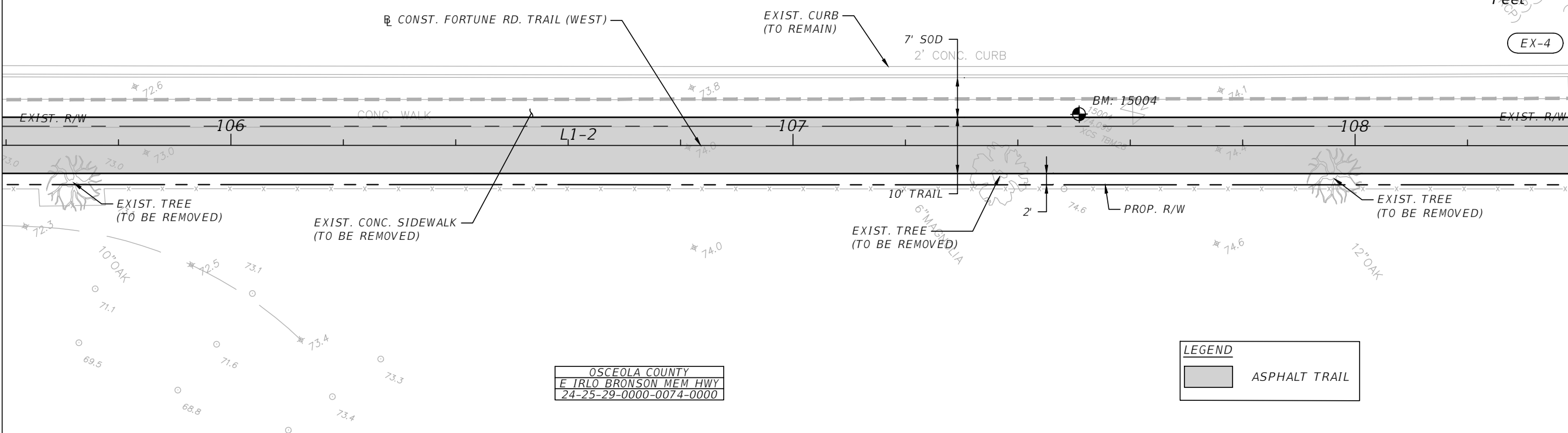
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

FORTUNE RD.



MATCHLINE STA. 105+60.00

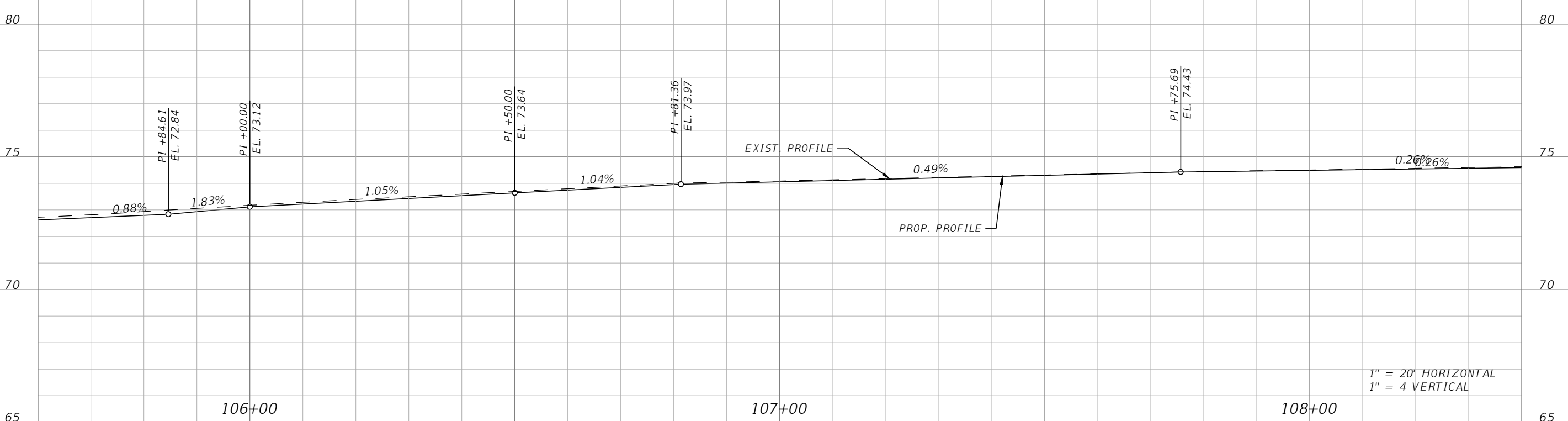
MATCHLINE STA. 108+40.00



OSCEOLA COUNTY
 E IRLON BRONSON MEM HWY
 24-25-29-0000-0074-0000

LEGEND

 ASPHALT TRAIL

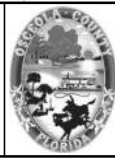


1" = 20' HORIZONTAL
 1" = 4 VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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



OSCEOLA COUNTY
 FLORIDA

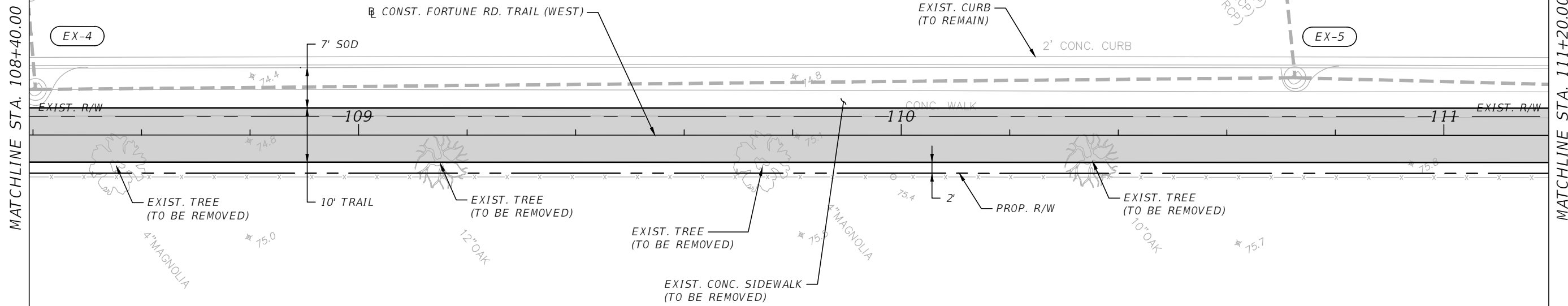
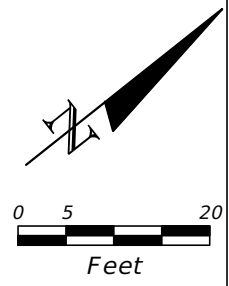
FORTUNE ROAD (WEST) ROADWAY
 PLAN & PROFILE 3

SHEET
 NO.
 R-3

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FORTUNE RD.

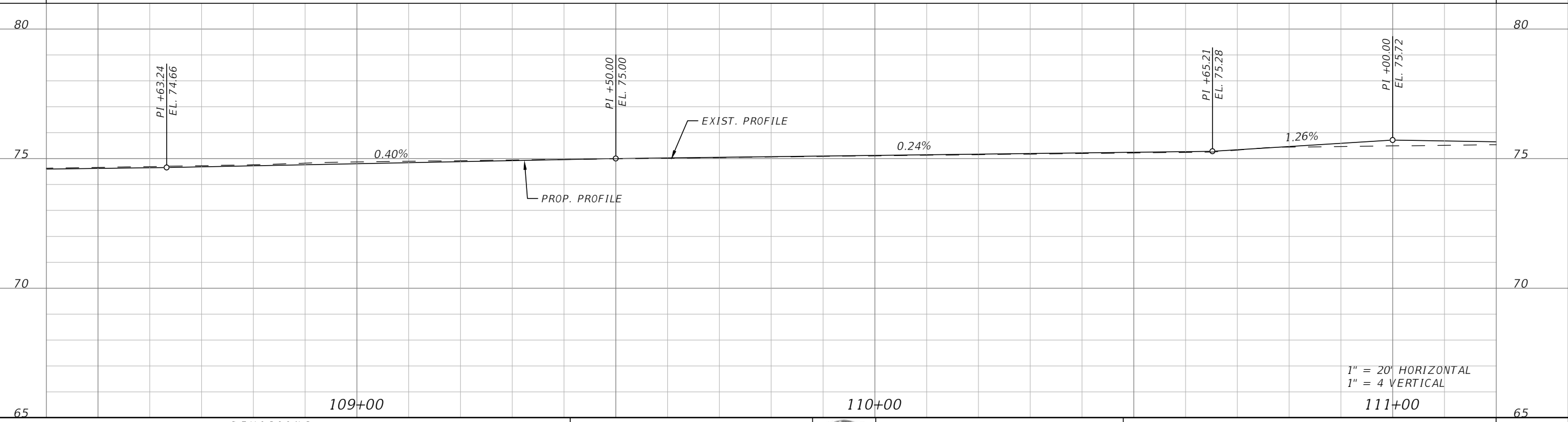
CURB INLET
 TOP=75.02'
 N. INV=69.60'(24"RCP)
 S. INV=69.22'(24"RCP)
 W. INV=70.72'(18"RCP)



OSCEOLA COUNTY
 E IRLON BRONSON MEM HWY
 24-25-29-0000-0074-0000

LEGEND

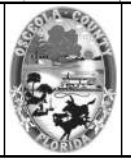
ASPHALT TRAIL



1" = 20' HORIZONTAL
 1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

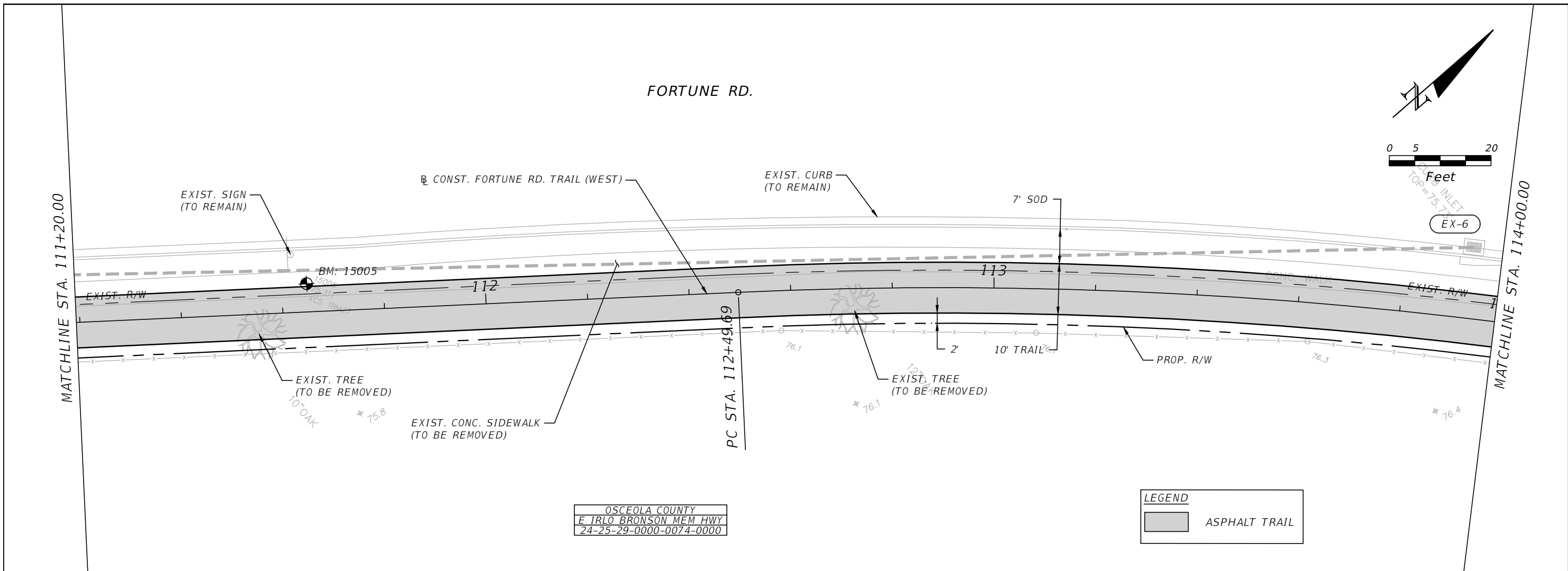


OSCEOLA COUNTY
 FLORIDA

FORTUNE ROAD (WEST) ROADWAY
 PLAN & PROFILE 4

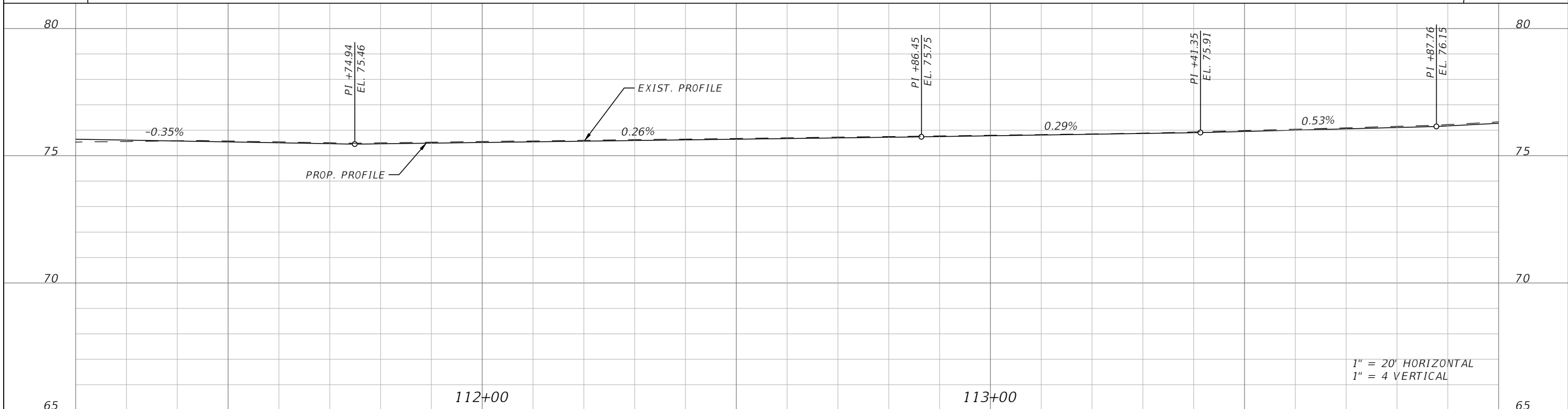
SHEET NO.
 R-4

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OSCEOLA COUNTY
EIRLO BRONSON MEM HWY
24-25-29-0000-0074-0000

LEGEND
ASPHALT TRAIL



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

OSCEOLA COUNTY
FLORIDA

FORTUNE ROAD (WEST) ROADWAY
PLAN & PROFILE 5

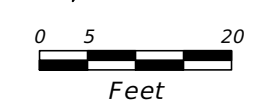
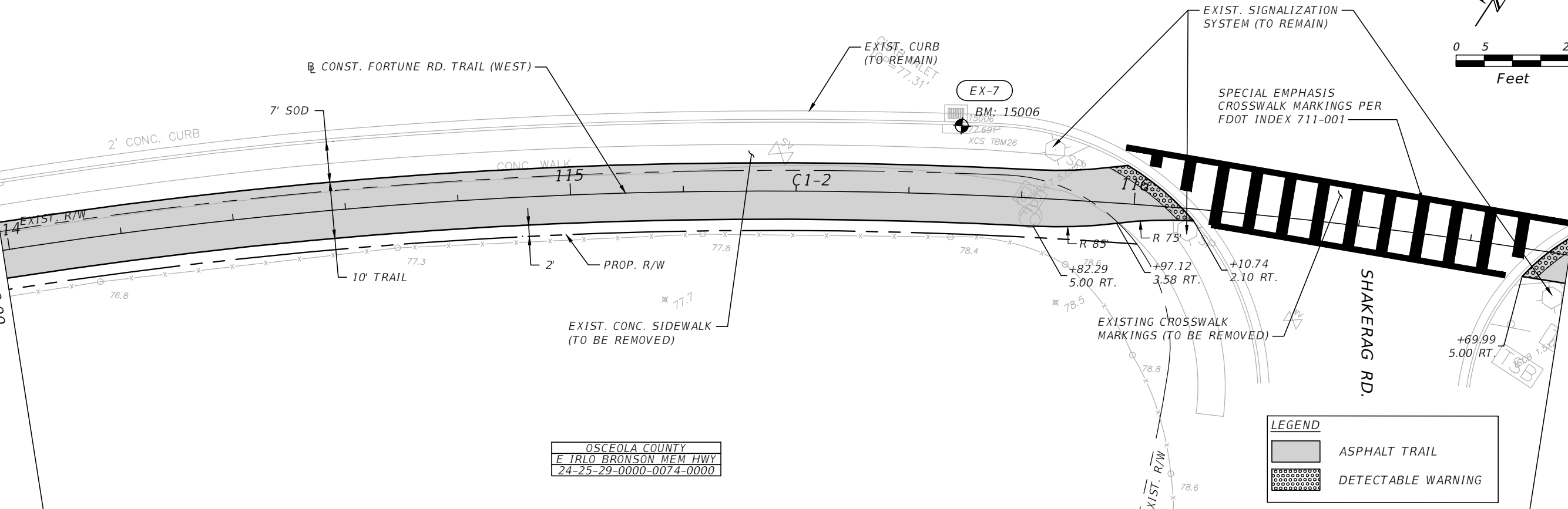
SHEET
NO.
R-5

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FORTUNE RD.

MATCHLINE STA. 114+00.00

MATCHLINE STA. 116+80.00



OSCEOLA COUNTY
E IRLIO BRONSON MEM HWY
24-25-29-0000-0074-0000

LEGEND	
	ASPHALT TRAIL
	DETECTABLE WARNING



1" = 20' HORIZONTAL
1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

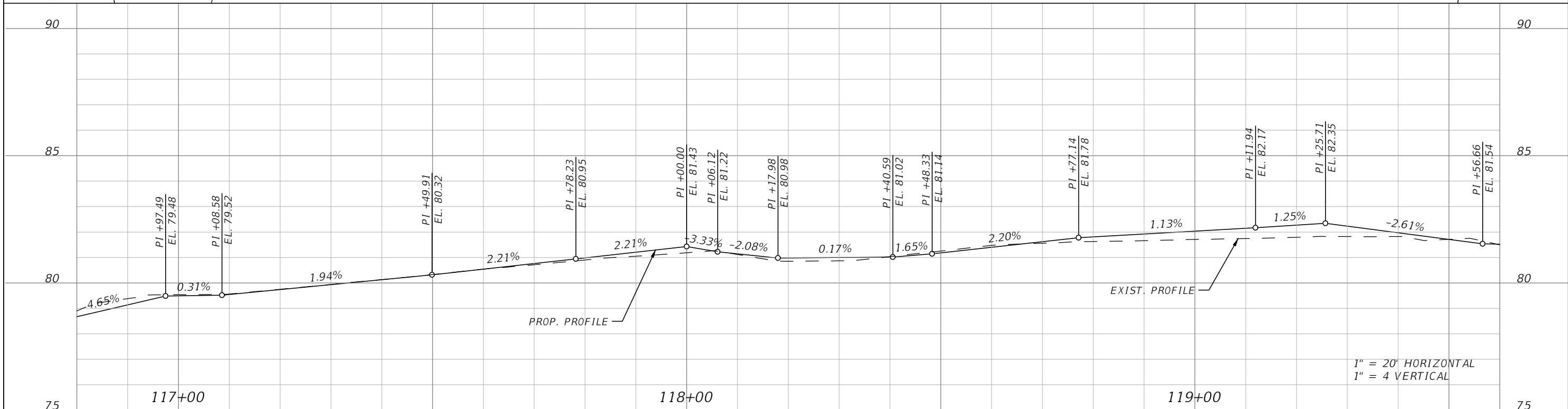
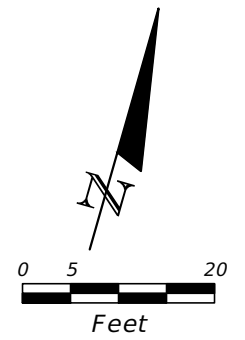
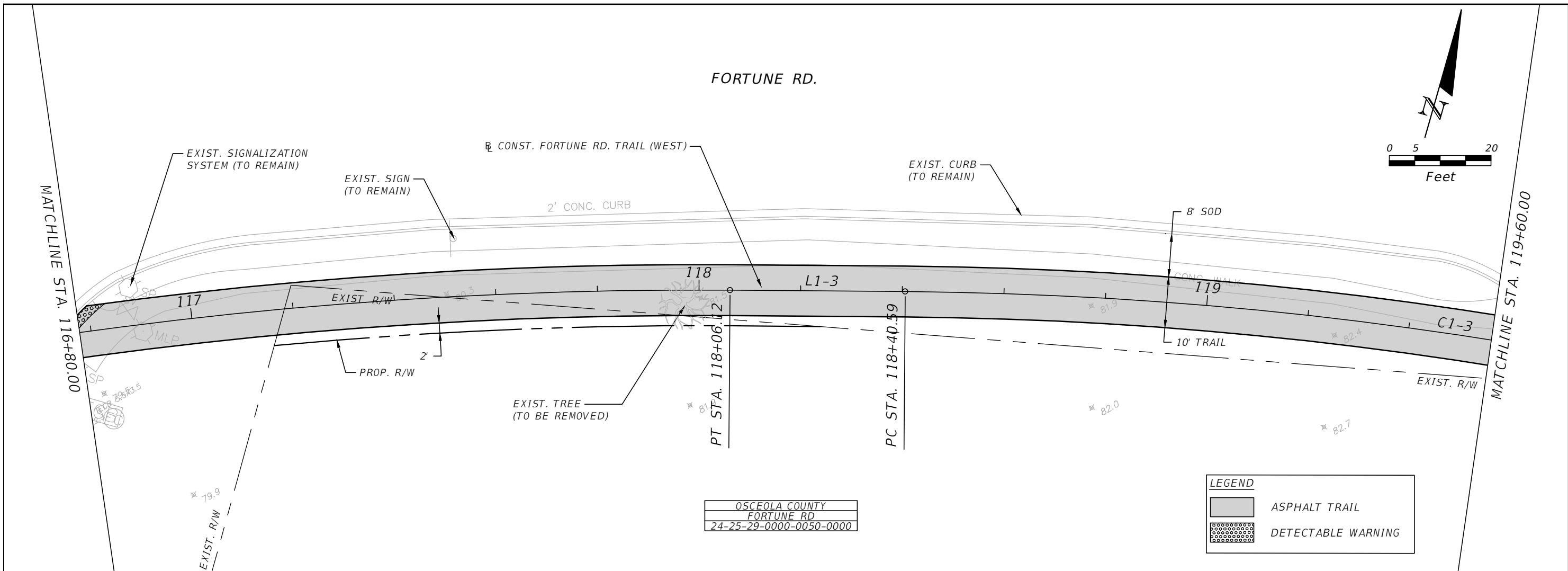


OSCEOLA COUNTY
FLORIDA

FORTUNE ROAD (WEST) ROADWAY
PLAN & PROFILE 6

SHEET NO.
R-6

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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



OSCEOLA COUNTY
FLORIDA

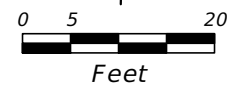
FORTUNE ROAD (WEST) ROADWAY
PLAN & PROFILE 7

SHEET
NO.

R-7

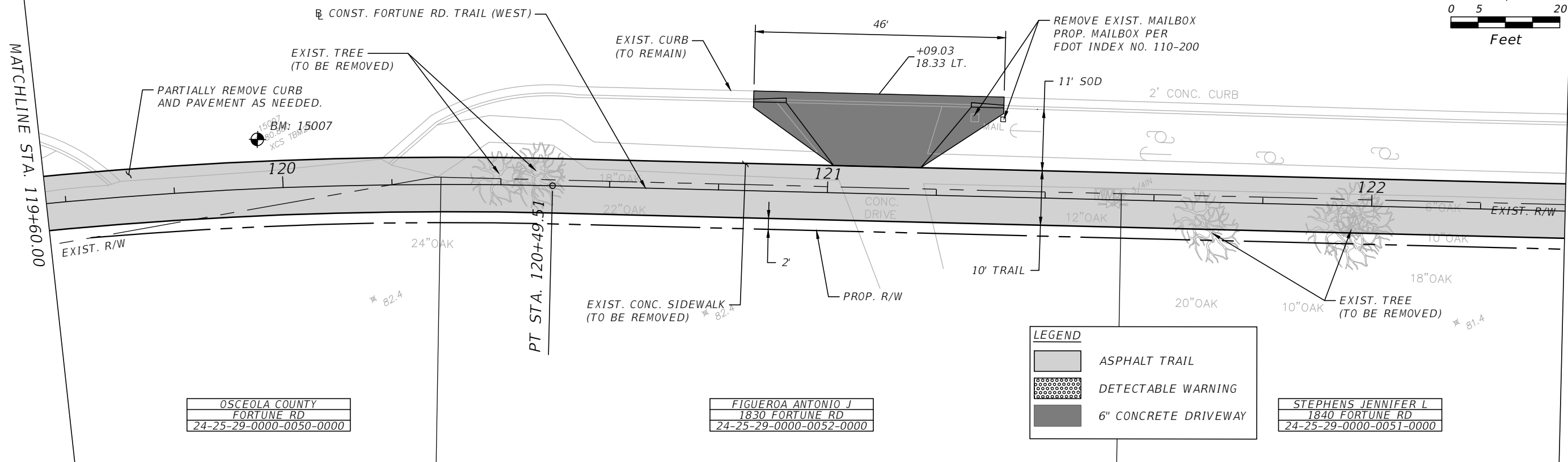
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

FORTUNE RD.



MATCHLINE STA. 119+60.00

MATCHLINE STA. 122+40.00



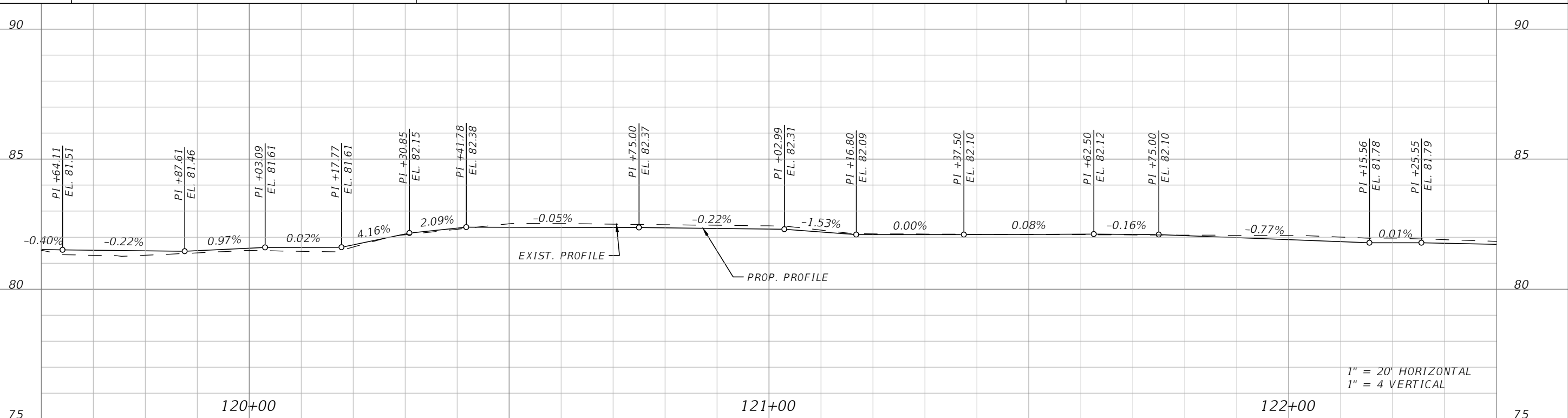
OSCEOLA COUNTY
FORTUNE RD
24-25-29-0000-0050-0000

FIGUEROA ANTONIO J
1830 FORTUNE RD
24-25-29-0000-0052-0000

LEGEND

- ASPHALT TRAIL
- DETECTABLE WARNING
- 6" CONCRETE DRIVEWAY

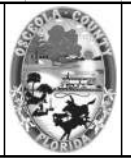
STEPHENS JENNIFER L
1840 FORTUNE RD
24-25-29-0000-0051-0000



1" = 20' HORIZONTAL
1" = 4 VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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



OSCEOLA COUNTY
FLORIDA

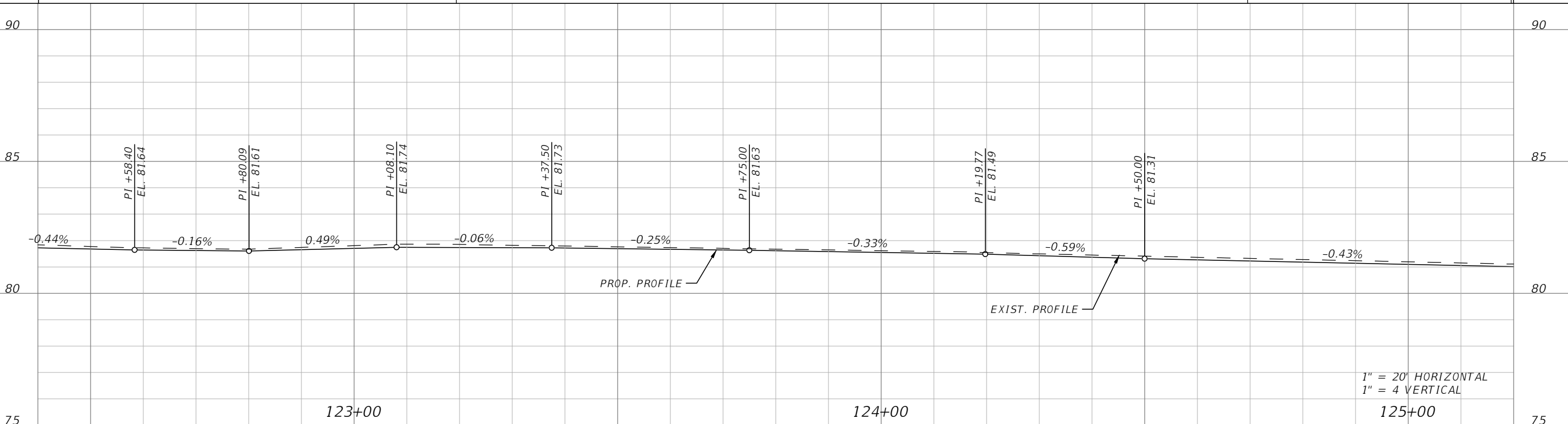
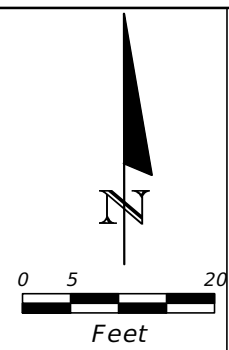
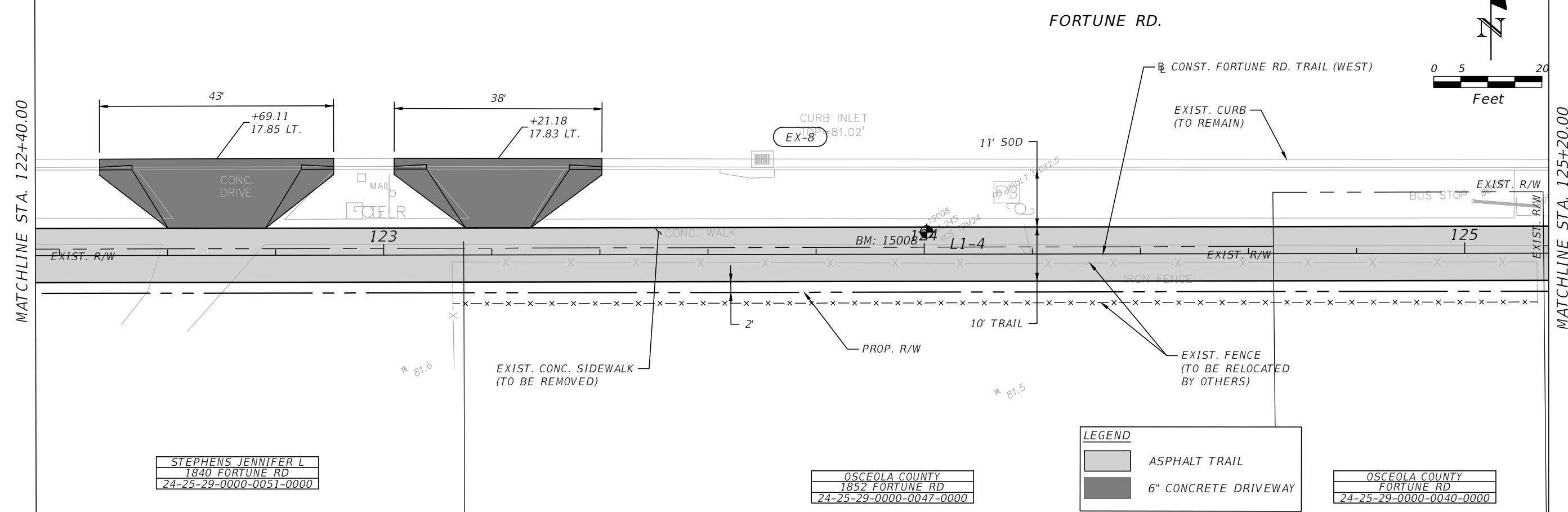
FORTUNE ROAD (WEST) ROADWAY
PLAN & PROFILE 8

SHEET NO.
R-8

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

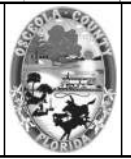
MATCHLINE STA. 122+40.00

MATCHLINE STA. 125+20.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

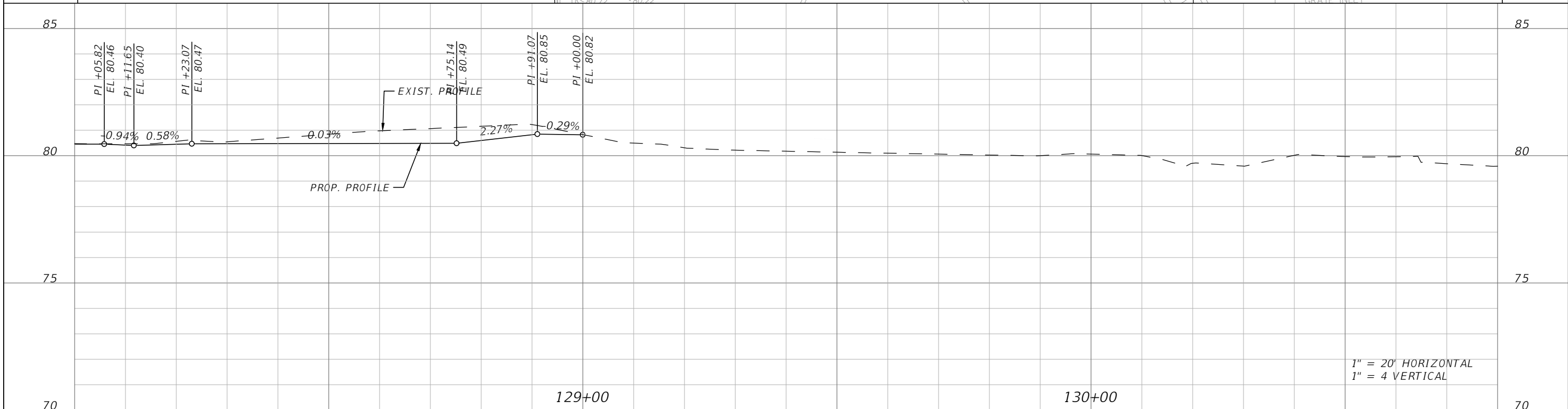
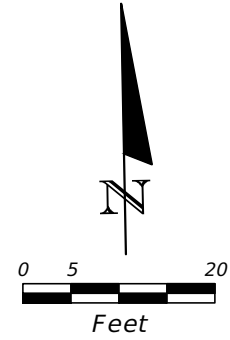
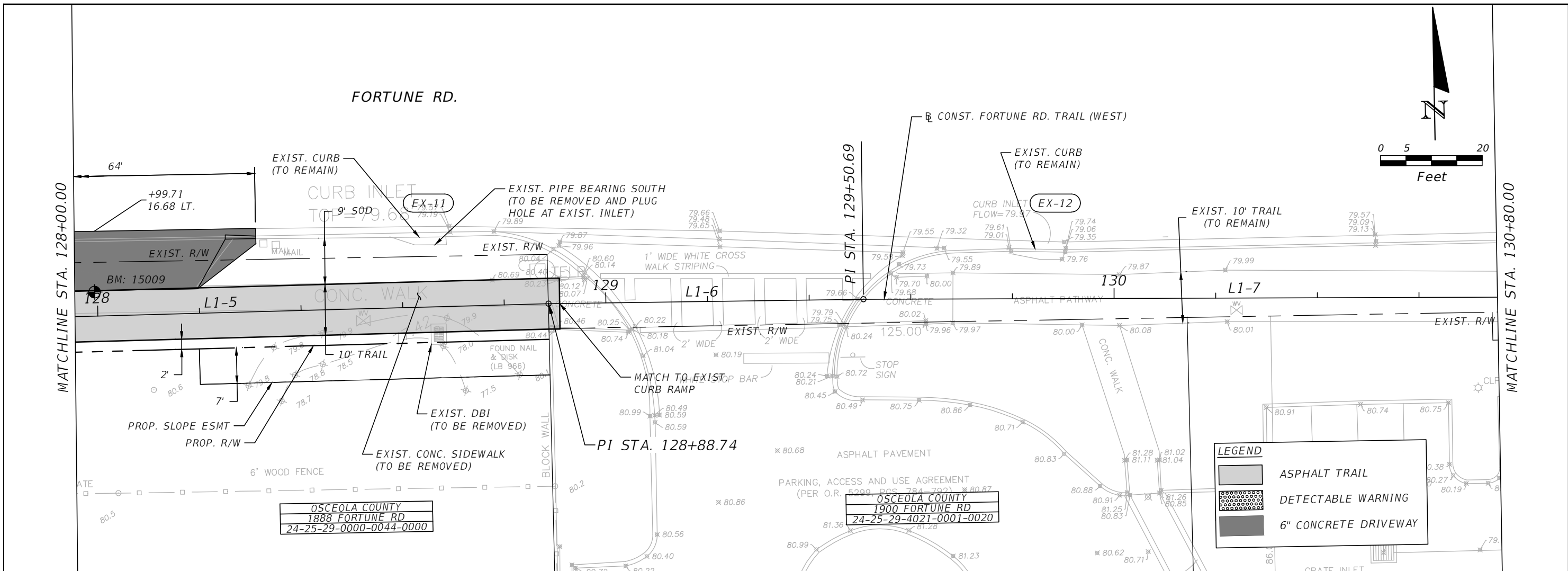


OSCEOLA COUNTY
FLORIDA

**FORTUNE ROAD (WEST) ROADWAY
PLAN & PROFILE 9**

SHEET NO.
R-9

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

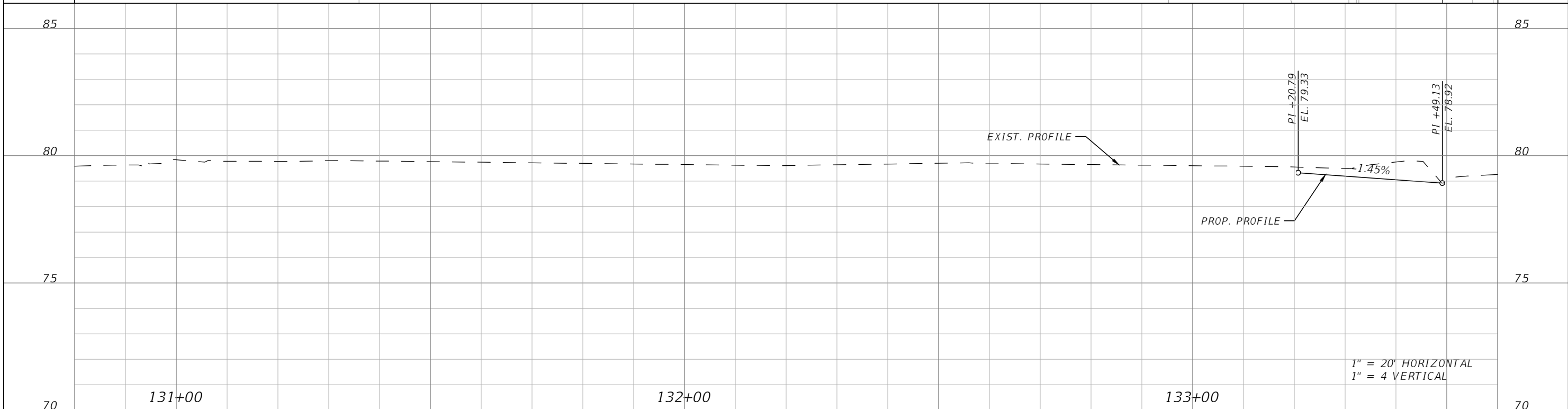
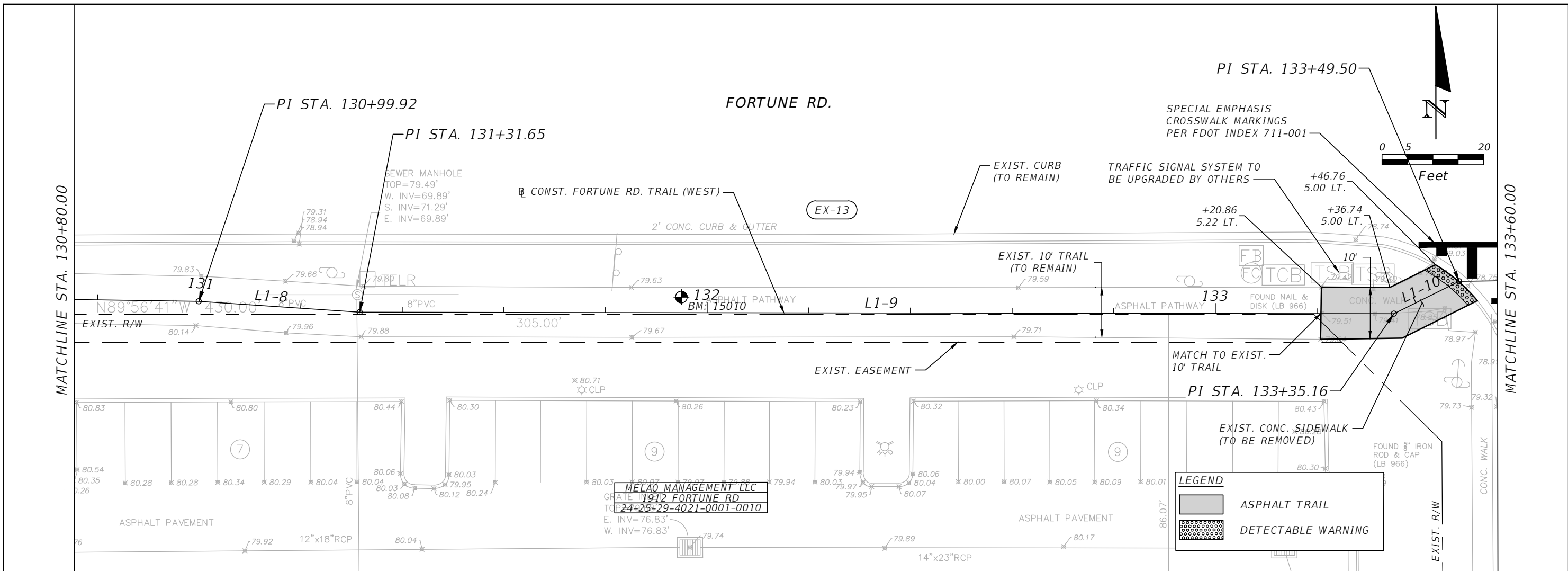


OSCEOLA COUNTY
FLORIDA

FORTUNE ROAD (WEST) ROADWAY
PLAN & PROFILE 11

SHEET NO.
R-11

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION


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

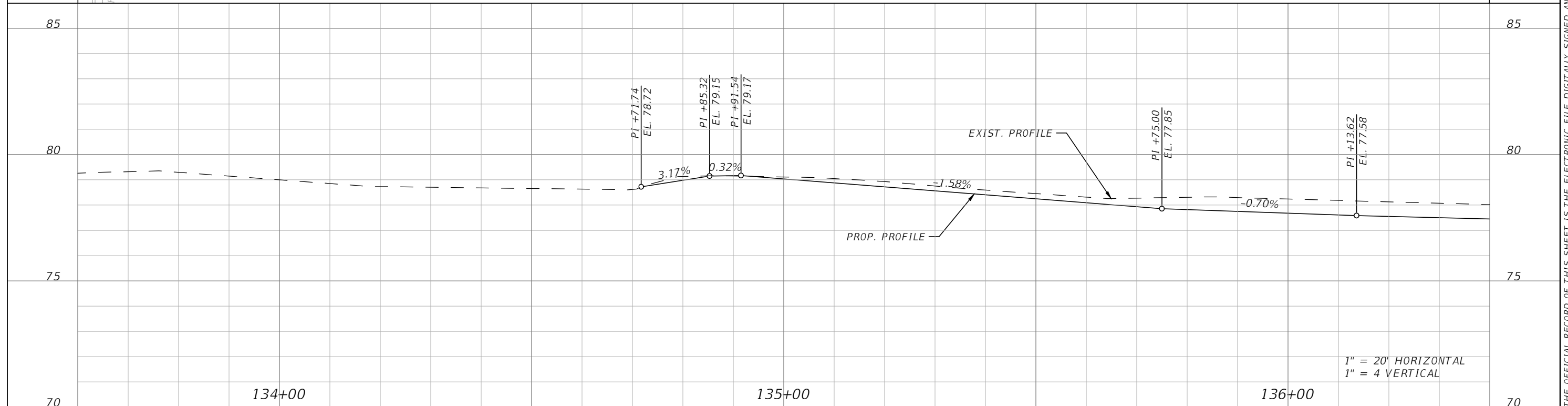
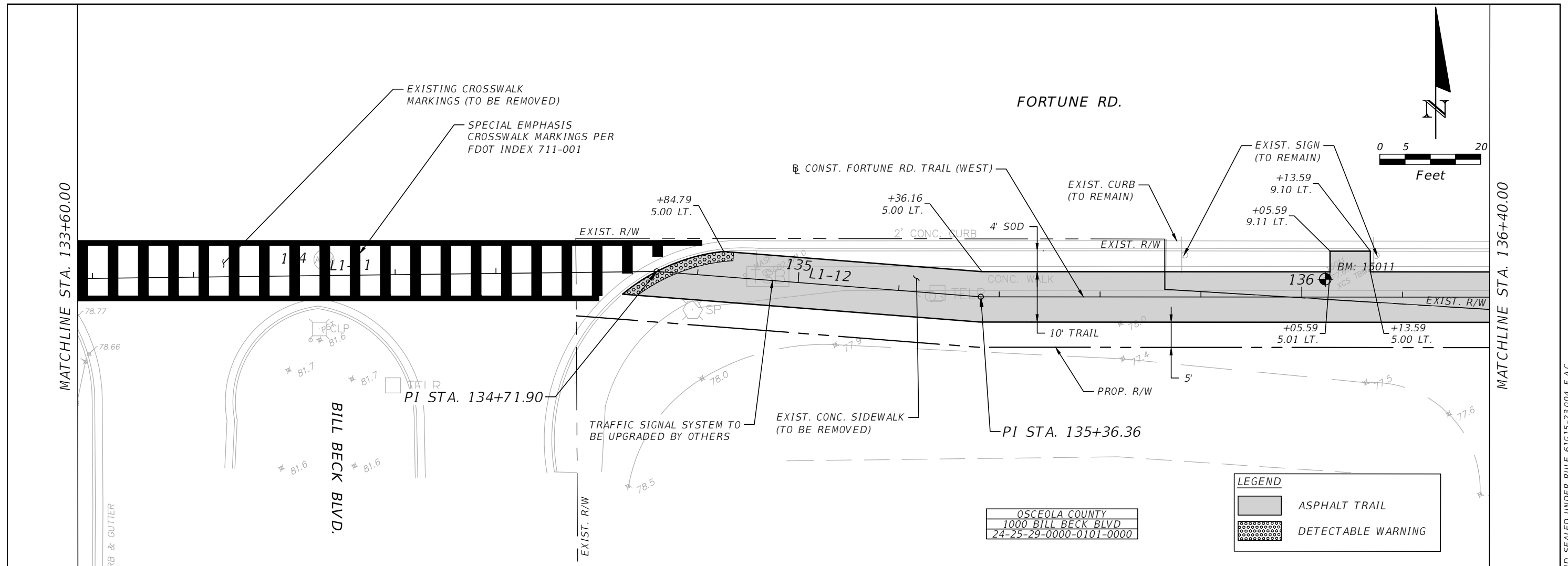


OSCEOLA COUNTY
 FLORIDA

FORTUNE ROAD (WEST) ROADWAY
 PLAN & PROFILE 12

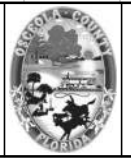
SHEET NO.
 R-12

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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



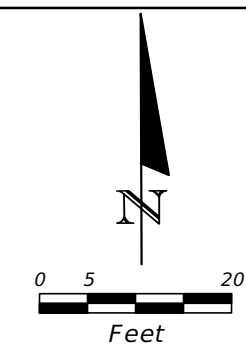
**OSCEOLA COUNTY
FLORIDA**

**FORTUNE ROAD (WEST) ROADWAY
PLAN & PROFILE 13**

**SHEET NO.
R-13**

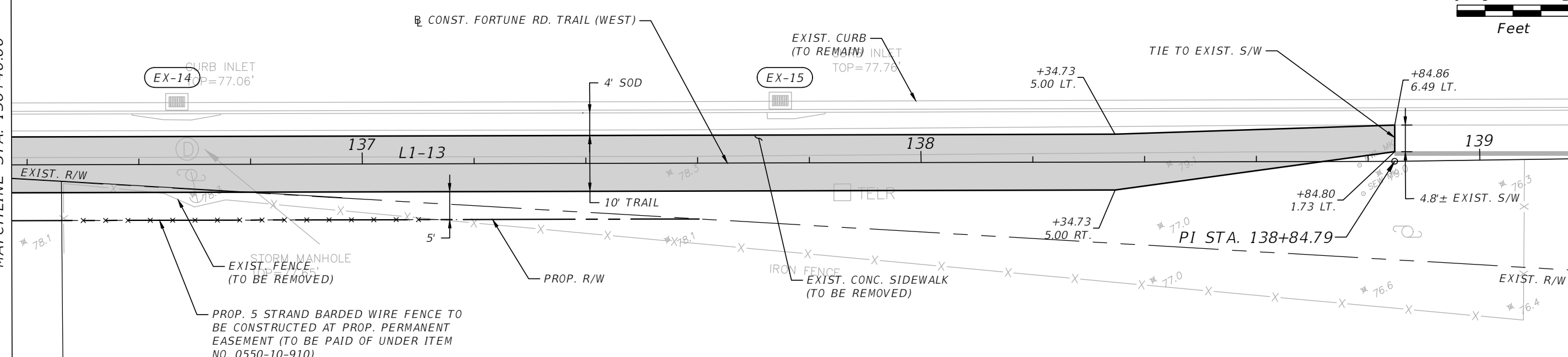
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

FORTUNE RD.



MATCHLINE STA. 136+40.00

MATCHLINE STA. 139+20.00

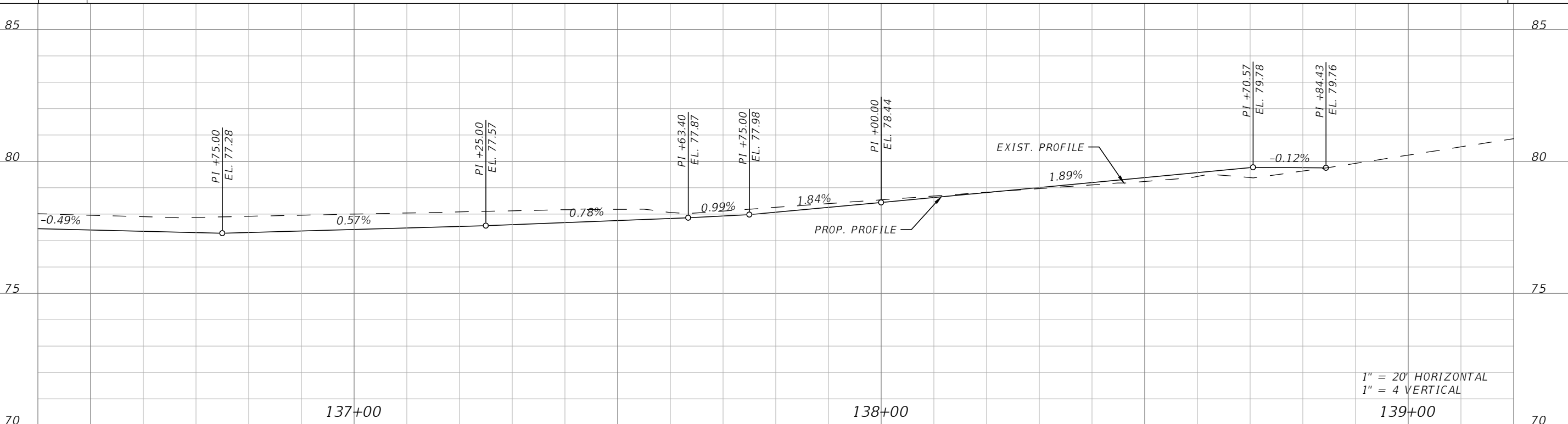


PROP. 5 STRAND BARBED WIRE FENCE TO BE CONSTRUCTED AT PROP. PERMANENT EASEMENT (TO BE PAID OF UNDER ITEM NO. 0550-10-910)

JOHNSON UNIVERSITY INC
1011 BILL BECK BLVD
24-25-29-0000-0015-0000

LEGEND

ASPHALT TRAIL



1" = 20' HORIZONTAL
1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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



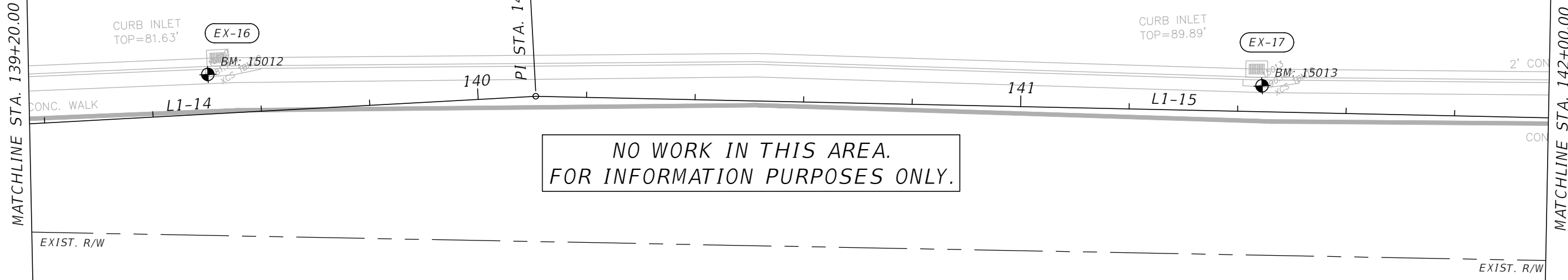
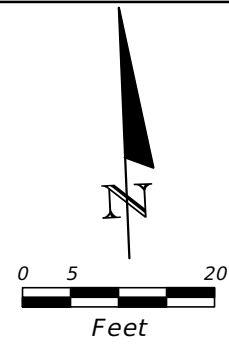
OSCEOLA COUNTY
FLORIDA

FORTUNE ROAD (WEST) ROADWAY
PLAN & PROFILE 14

SHEET NO.
R-14

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FORTUNE RD.



NO WORK IN THIS AREA.
FOR INFORMATION PURPOSES ONLY.

JOHNSON UNIVERSITY INC
1011 BILL BECK BLVD
24-25-29-0000-0015-0000

MATCHLINE STA. 142+00.00

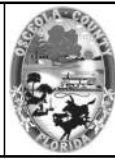
MATCHLINE STA. 139+20.00

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



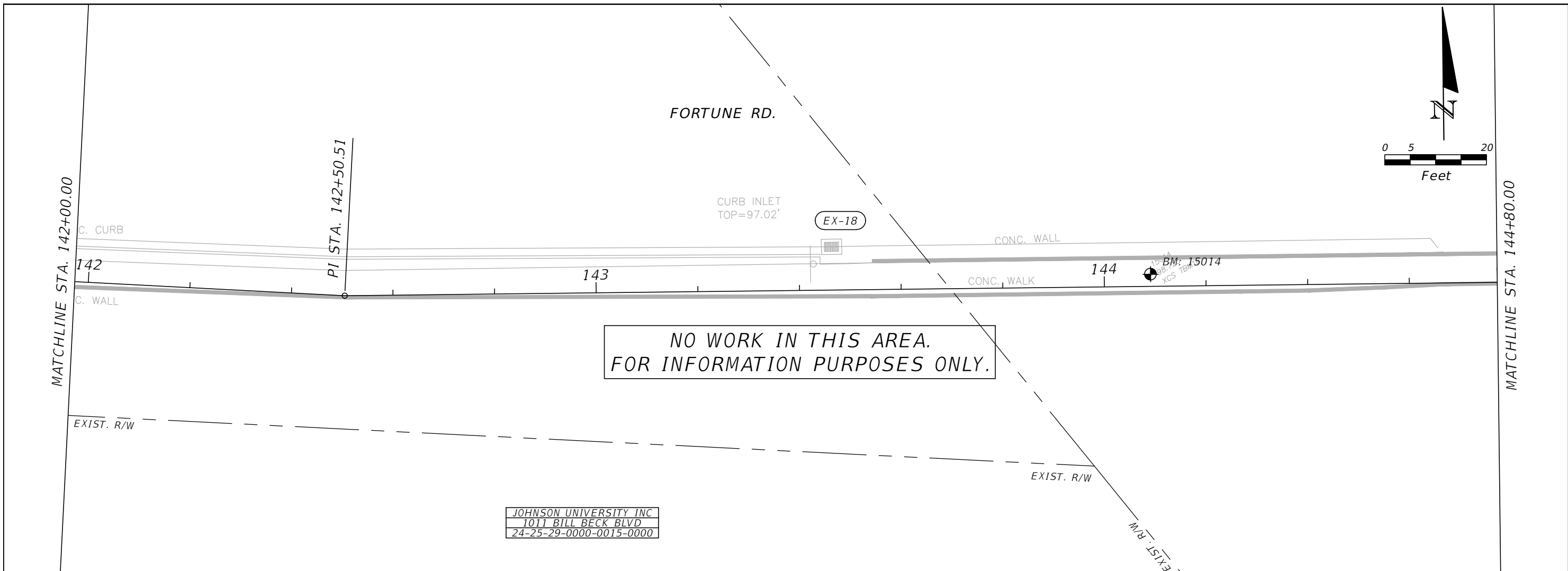
Engineers | Scientists
Planners | Designers
225 E. Robinson Street, Suite 300
Orlando, FL 32801 (407)839-4006
Certificate of Authorization # 3932
Mark F. Bertoncini, P.E.
PE # 63437



OSCEOLA COUNTY
FLORIDA

FORTUNE ROAD (WEST) ROADWAY
PLAN & PROFILE 15

SHEET
NO.
R-15



JOHNSON UNIVERSITY INC
 1011 BILL BECK BLVD
 24-25-29-0000-0015-0000

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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



OSCEOLA COUNTY
 FLORIDA

FORTUNE ROAD (WEST) ROADWAY
 PLAN & PROFILE 16

SHEET
 NO.
 R-16

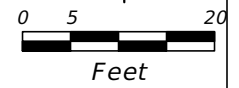
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

FORTUNE RD.

FORTUNE RD.

ASPHALT

☉ EXIST. R/W FLORIDA'S TURNPIKE



MATCHLINE STA. 144+80.00

MATCHLINE STA. 147+60.00

CONC. WALK W/CAGE 145 L1-16 146 147 CONC. WALK W/CAGE

CONC. WALL

CONC. WALL

NO WORK IN THIS AREA.
FOR INFORMATION PURPOSES ONLY.

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



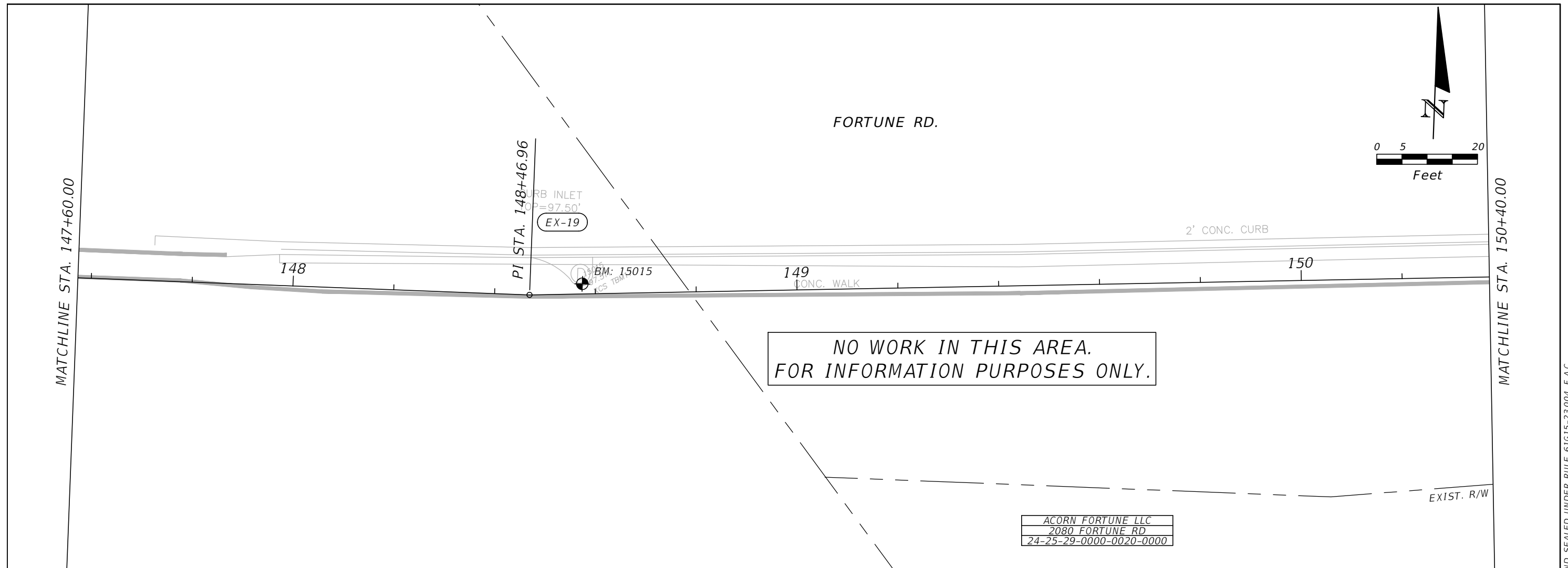
Engineers | Scientists
Planners | Designers
225 E. Robinson Street, Suite 300
Orlando, FL 32801 (407)839-4006
Certificate of Authorization # 3932
Mark F. Bertocini, P.E.
PE # 63437



OSCEOLA COUNTY
FLORIDA

FORTUNE ROAD (WEST) ROADWAY
PLAN & PROFILE 17

SHEET
NO.
R-17



ACORN FORTUNE LLC
 2080 FORTUNE RD
 24-25-29-0000-0020-0000

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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



OSCEOLA COUNTY
 FLORIDA

FORTUNE ROAD (WEST) ROADWAY
 PLAN & PROFILE 18

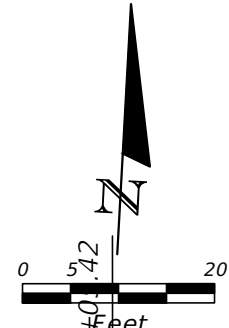
SHEET NO.
 R-18

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FORTUNE RD.

MATCHLINE STA. 150+40.00

MATCHLINE STA. 153+20.00



EX-20

EX-21

BM: 15016

BM: 15017

CURB INLET
TOP=90.77'

CURB INLET
TOP=82.03'

L1-17

151

152

153

2' CONC. CURB

CONC. WALK

CONC. WALL

NO WORK IN THIS AREA.
FOR INFORMATION PURPOSES ONLY.

ACORN FORTUNE LLC
2080 FORTUNE RD
24-25-29-0000-0020-0000

EXIST. R/W

EXIST. R/W

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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

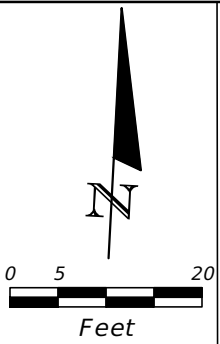
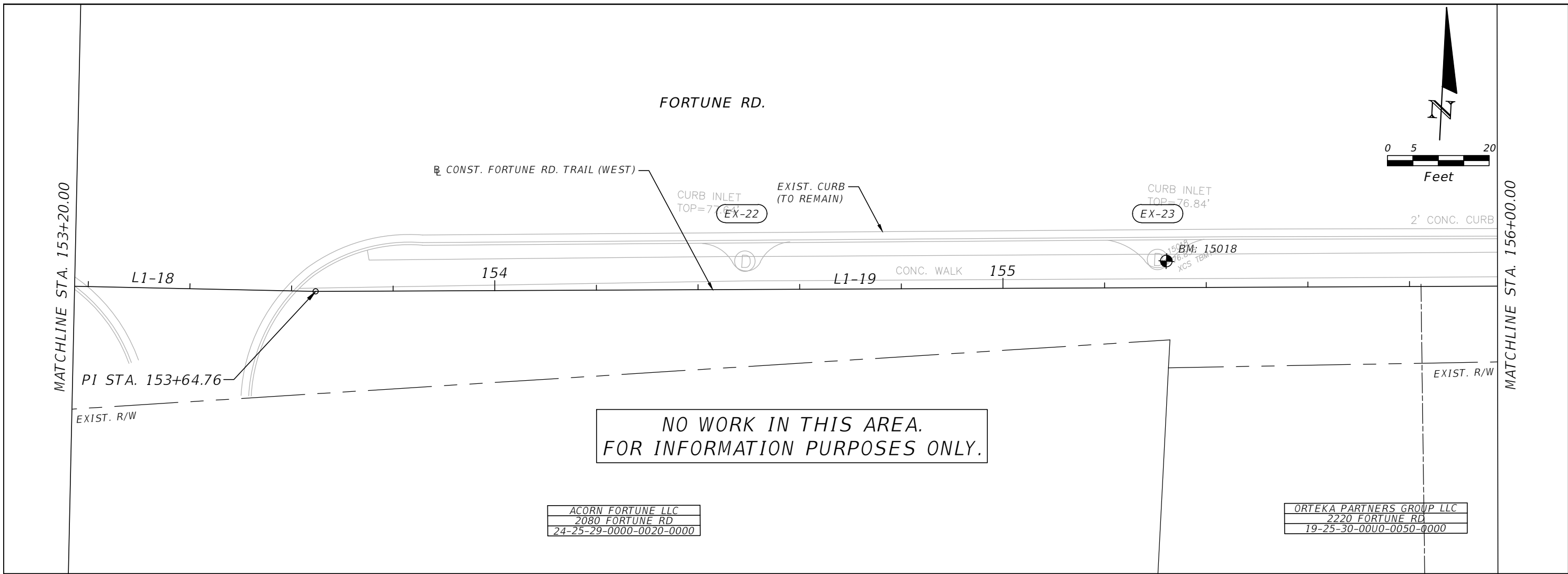


OSCEOLA COUNTY
FLORIDA

FORTUNE ROAD (WEST) ROADWAY
PLAN & PROFILE 19

SHEET
NO.
R-19

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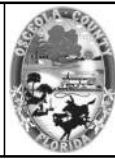


ACORN FORTUNE LLC
 2080 FORTUNE RD
 24-25-29-0000-0020-0000

ORTEKA PARTNERS GROUP LLC
 2220 FORTUNE RD
 19-25-30-0000-0050-0000

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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



OSCEOLA COUNTY
 FLORIDA

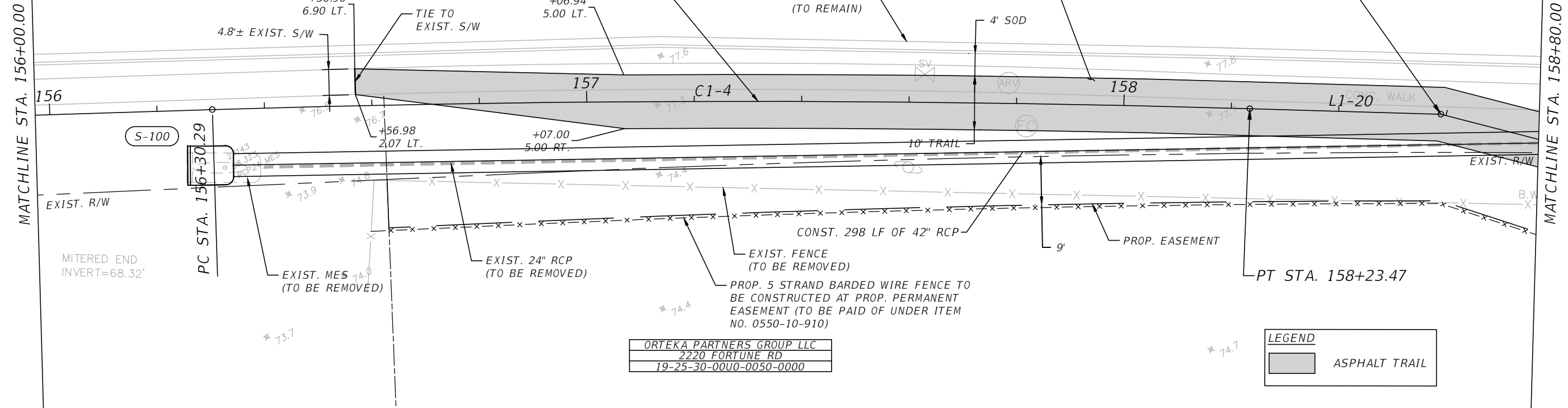
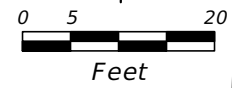
FORTUNE ROAD (WEST) ROADWAY
 PLAN & PROFILE 20

SHEET NO.
 R-20

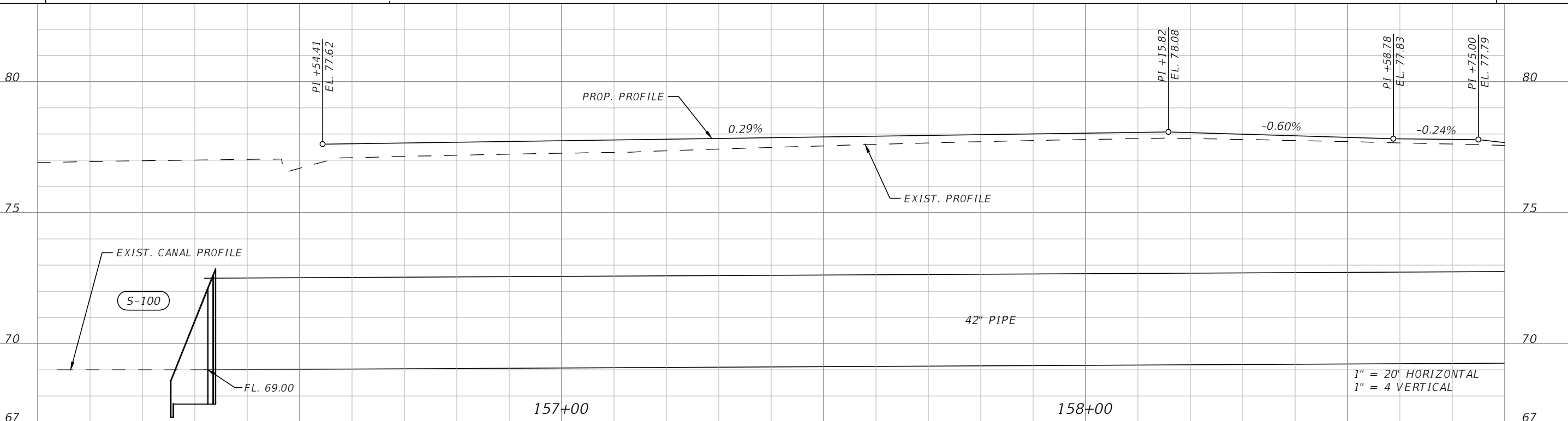
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

S-100
 STA 156+31.84 (10.42 Rt.)
 CONST. SD MES 42" (1:2)
 INDEX NO. 430-021
 FL 69.00 E

FORTUNE RD.



ORTEKA PARTNERS GROUP LLC
 2220 FORTUNE RD
 19-25-30-00U0-0050-0000



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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



OSCEOLA COUNTY
 FLORIDA

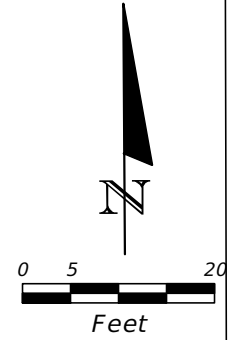
FORTUNE ROAD (WEST) ROADWAY
 PLAN & PROFILE 21

SHEET NO.
 R-21

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

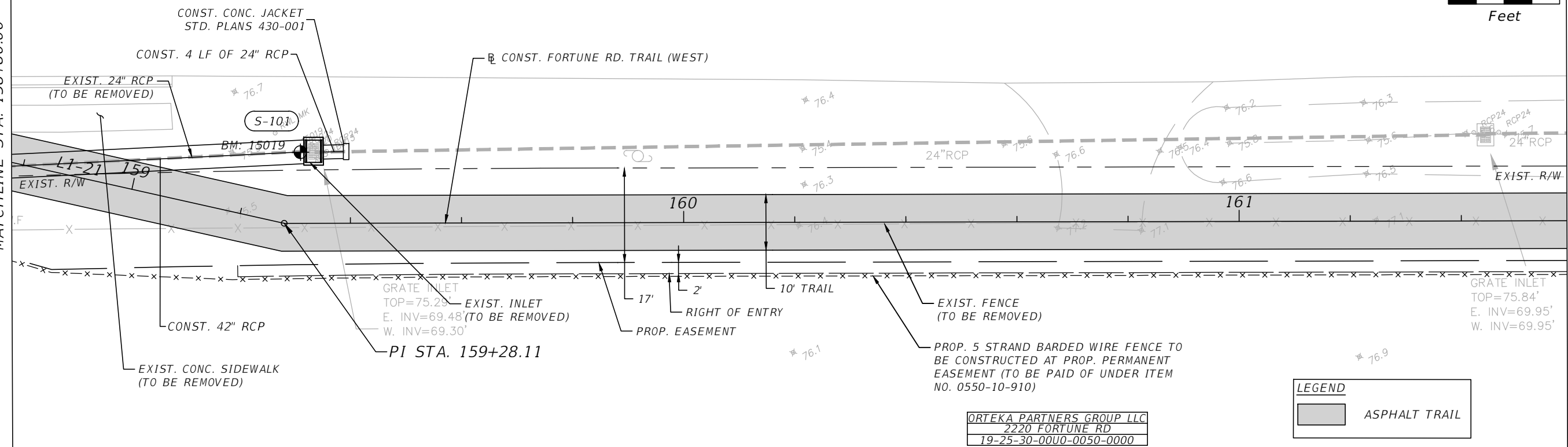
S-101
 STA 159+33.40 (-12.95 Lt.)
 CONST. DBI TYPE F
 J-BOTTOM (3.5' X 5')
 INDEX NO. 425-001, 425-010, 425-053
 TOP EL. 75.25
 FL 69.48 E
 FL 69.30 W

FORTUNE RD.



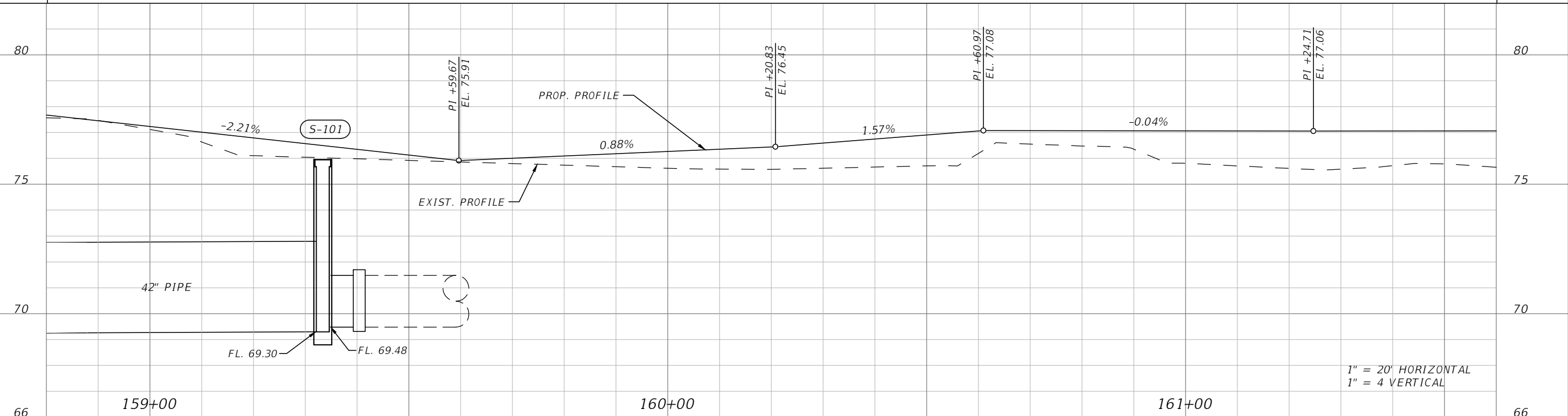
MATCHLINE STA. 158+80.00

MATCHLINE STA. 161+60.00



ORTEKA PARTNERS GROUP LLC
 2220 FORTUNE RD
 19-25-30-00U0-0050-0000

LEGEND
 [Shaded Box] ASPHALT TRAIL



1" = 20' HORIZONTAL
 1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



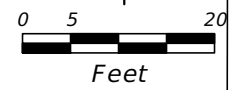
OSCEOLA COUNTY
 FLORIDA

**FORTUNE ROAD (WEST) ROADWAY
 PLAN & PROFILE 22**

SHEET NO.
 R-22

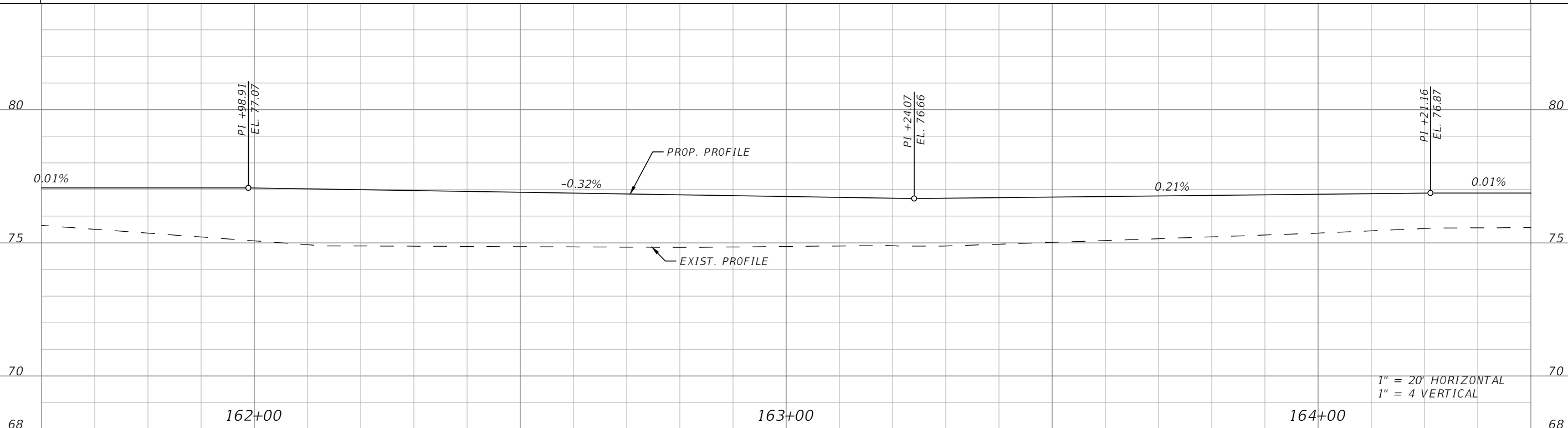
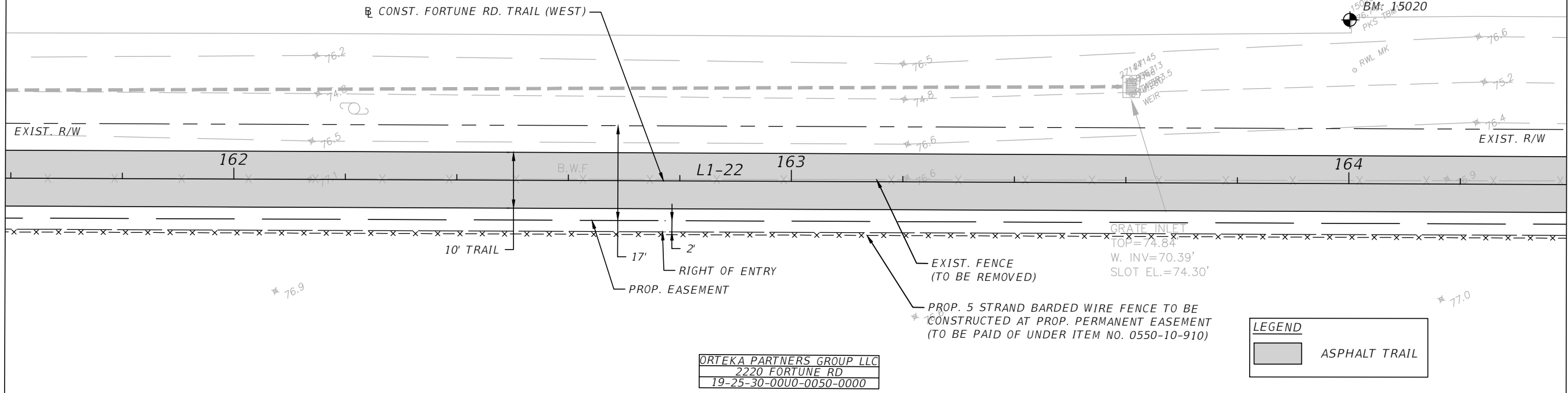
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

FORTUNE RD.



MATCHLINE STA. 161+60.00

MATCHLINE STA. 164+40.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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



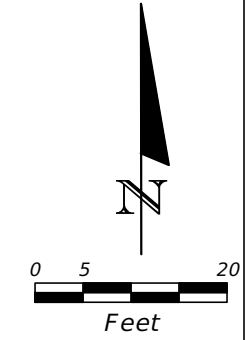
OSCEOLA COUNTY
FLORIDA

FORTUNE ROAD (WEST) ROADWAY
PLAN & PROFILE 23

SHEET NO.
R-23

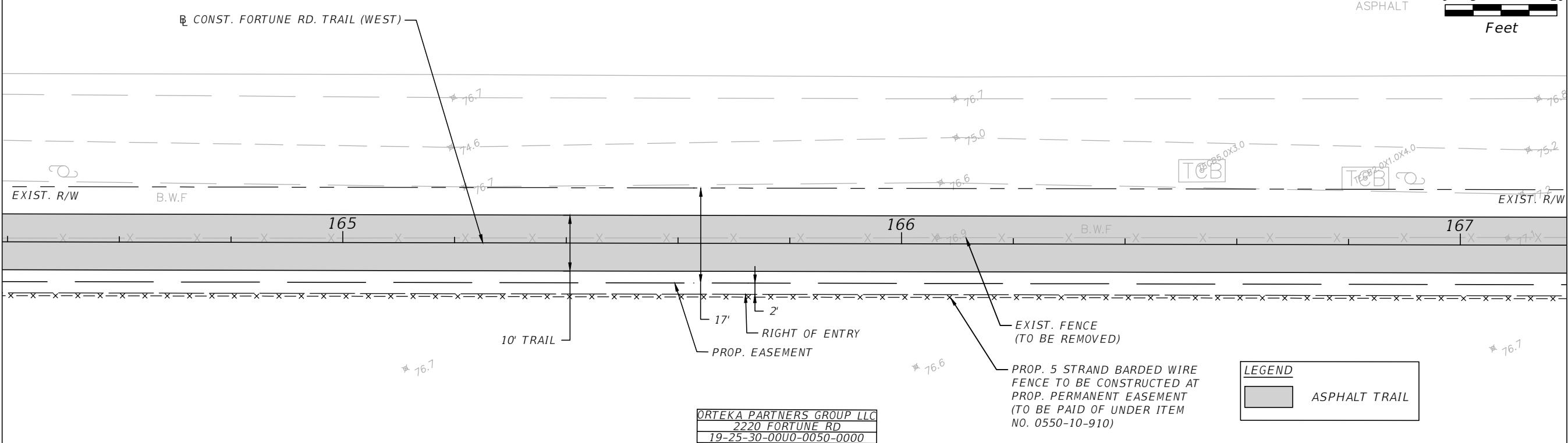
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

FORTUNE RD.



MATCHLINE STA. 164+40.00

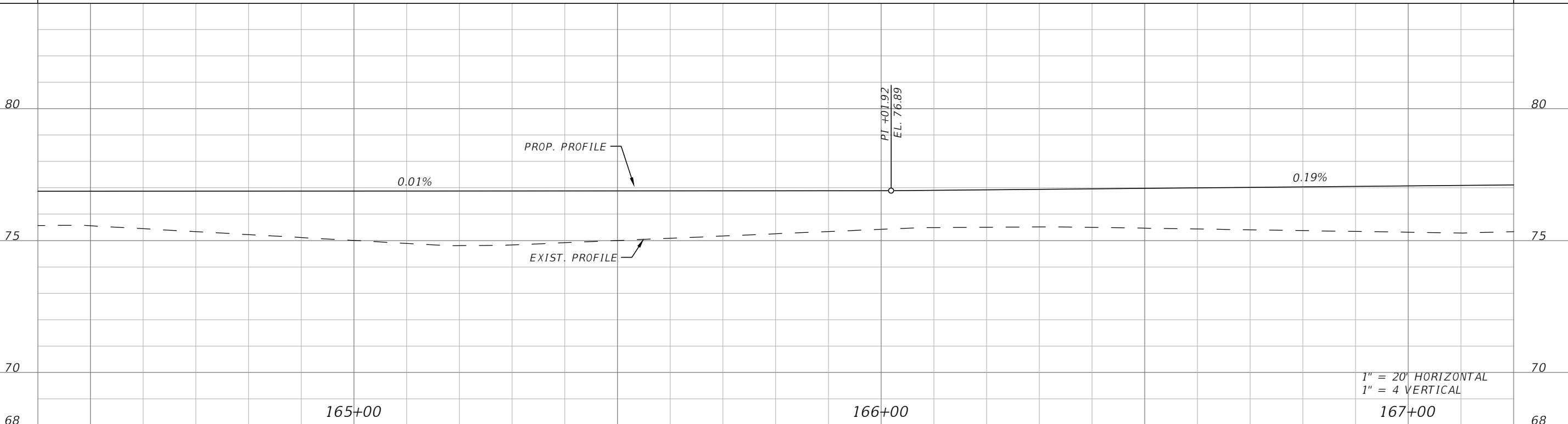
MATCHLINE STA. 167+20.00



ORTEKA PARTNERS GROUP LLC
2220 FORTUNE RD
19-25-30-00U0-0050-0000

LEGEND

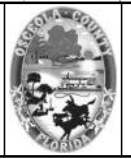
ASPHALT TRAIL



1" = 20' HORIZONTAL
1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

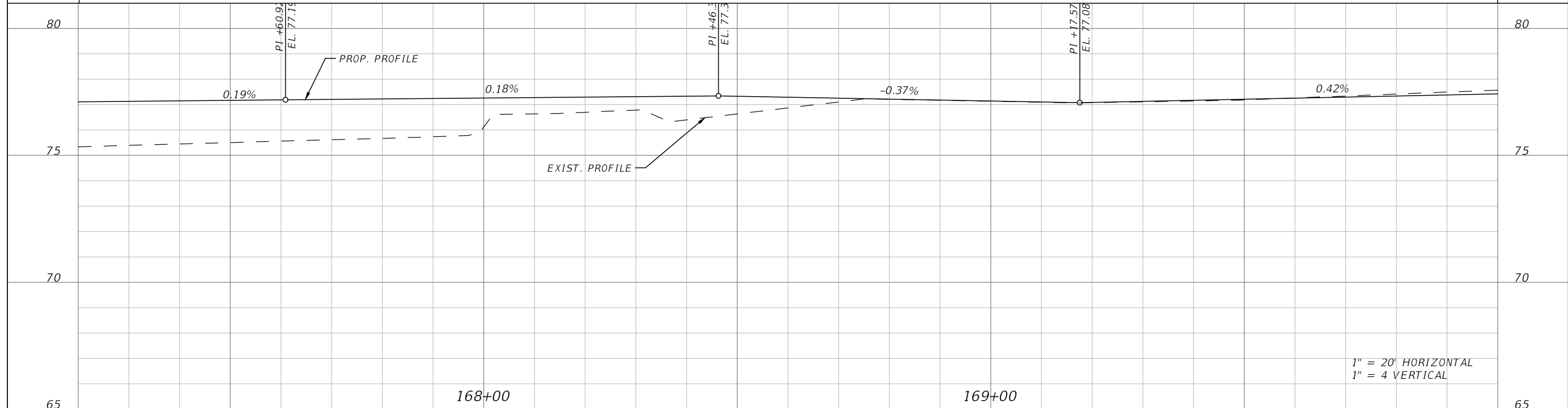
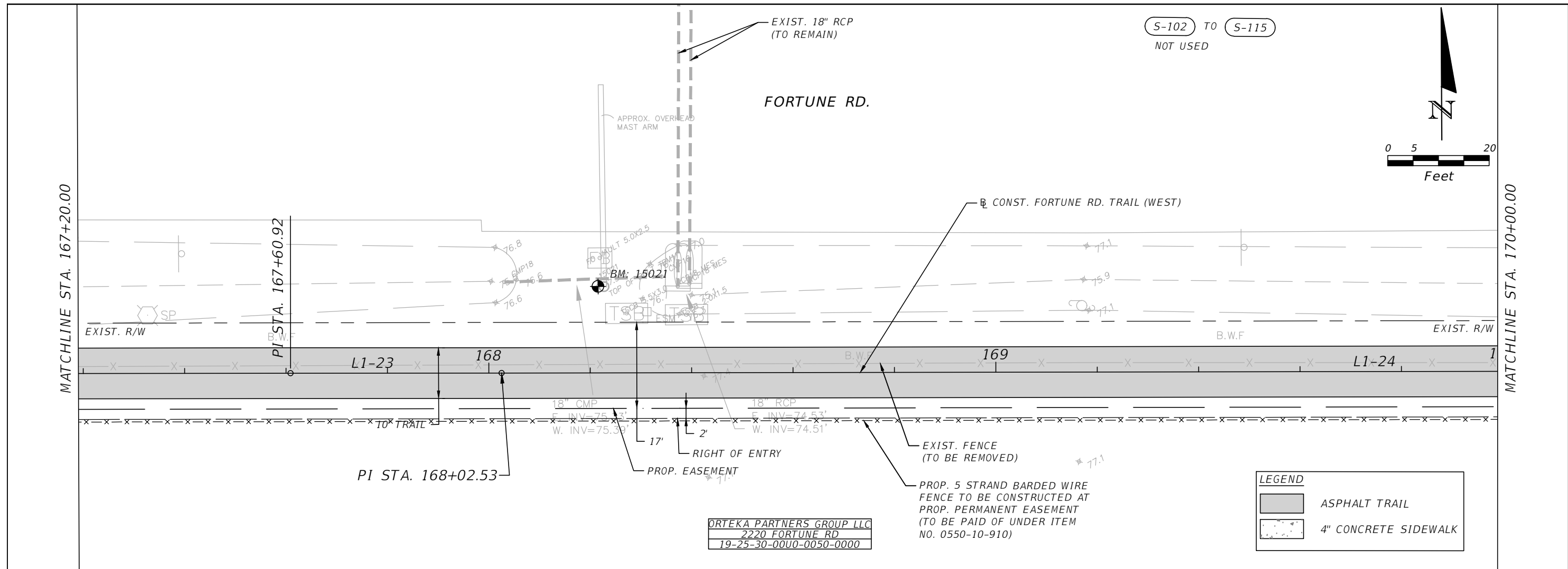


OSCEOLA COUNTY
FLORIDA

FORTUNE ROAD (WEST) ROADWAY
PLAN & PROFILE 24

SHEET
NO.
R-24

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

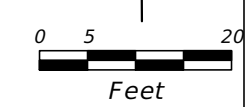
OSCEOLA COUNTY
FLORIDA

FORTUNE ROAD (WEST) ROADWAY
PLAN & PROFILE 25

SHEET NO.
R-25

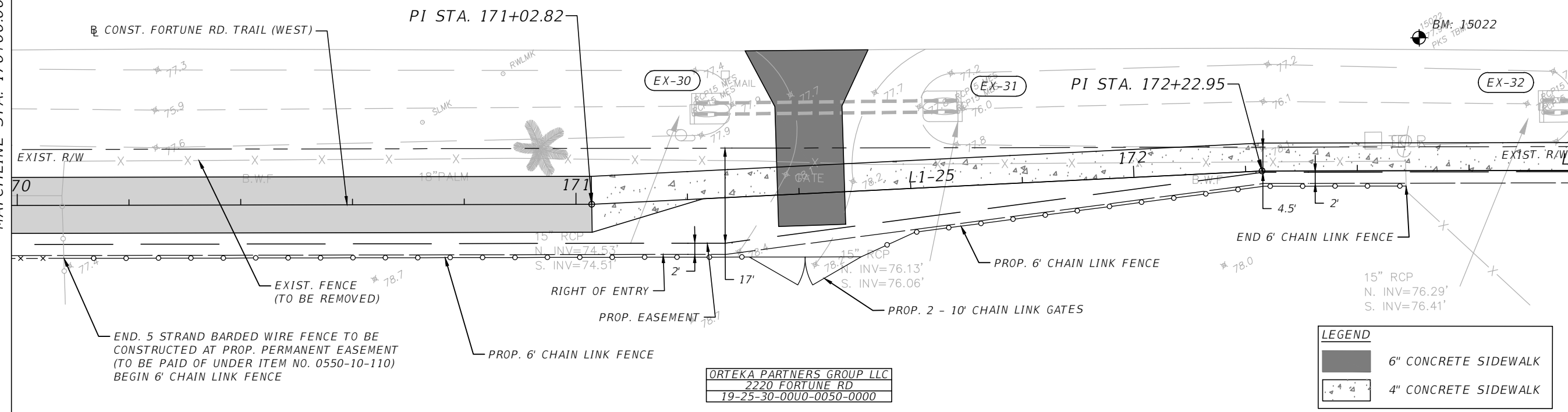
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

FORTUNE RD.



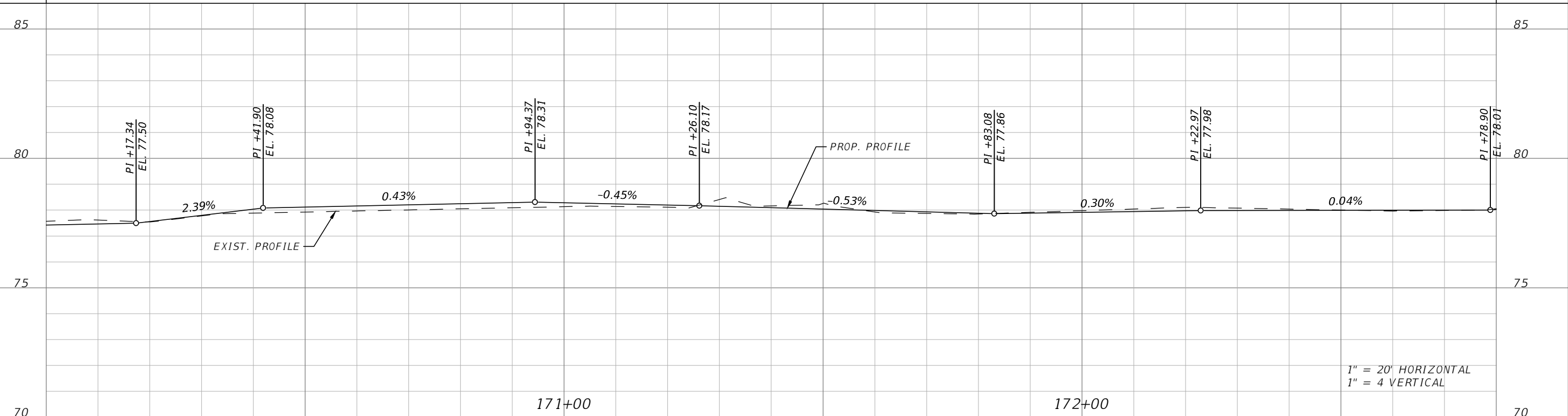
MATCHLINE STA. 170+00.00

MATCHLINE STA. 172+80.00



LEGEND	
	6" CONCRETE SIDEWALK
	4" CONCRETE SIDEWALK

ORTEKA PARTNERS GROUP LLC
2220 FORTUNE RD
19-25-30-00U0-0050-0000



1" = 20' HORIZONTAL
1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

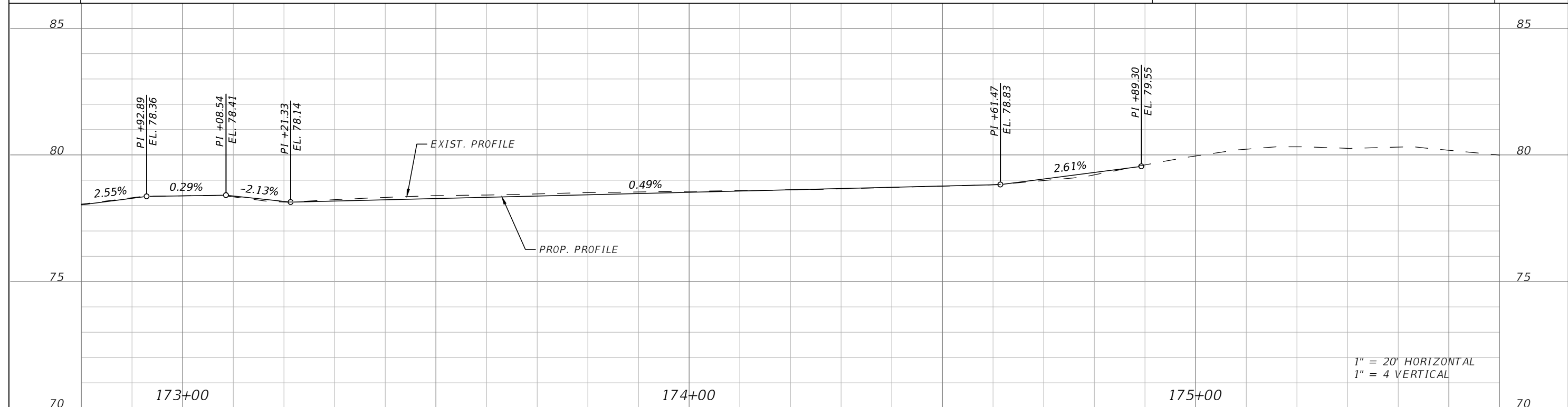
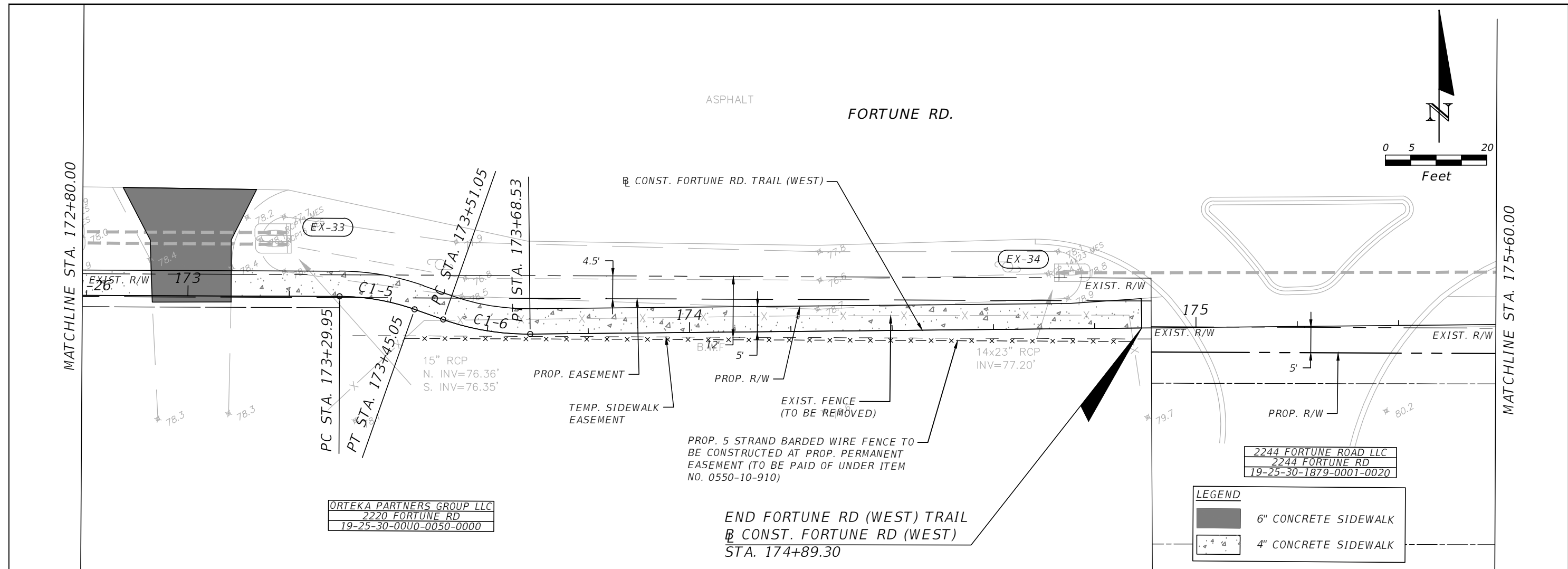


OSCEOLA COUNTY
FLORIDA

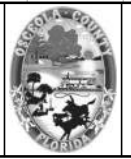
FORTUNE ROAD (WEST) ROADWAY
PLAN & PROFILE 26

SHEET
NO.
R-26

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



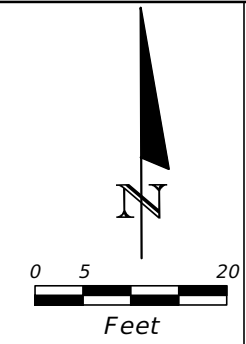
OSCEOLA COUNTY
FLORIDA

FORTUNE ROAD (WEST) ROADWAY
PLAN & PROFILE 27

SHEET NO.
R-27

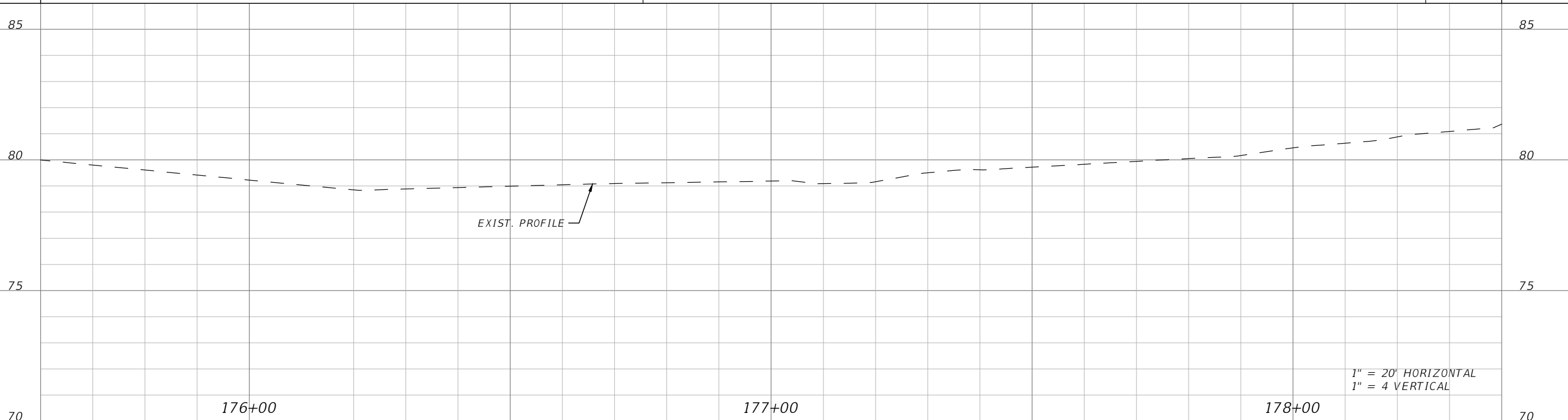
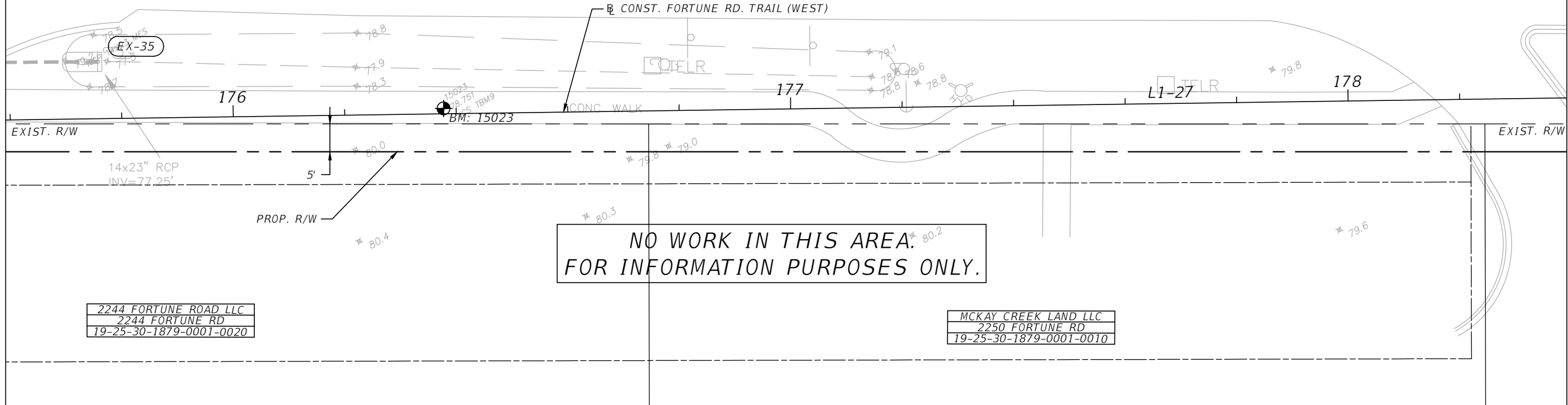
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

FORTUNE RD.



MATCHLINE STA. 175+60.00

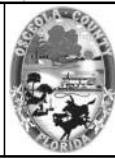
MATCHLINE STA. 178+40.00



1" = 20' HORIZONTAL
1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

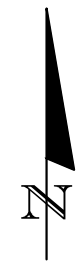
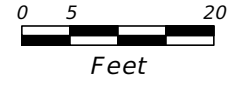


OSCEOLA COUNTY
FLORIDA

FORTUNE ROAD (WEST) ROADWAY
PLAN & PROFILE 28

SHEET NO.
R-28

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FORTUNE RD.

ASPHALT

SIMPSON RD.

PI STA. 181+30.94

MATCHLINE STA. 178+40.00

CONST. FORTUNE RD. TRAIL (WEST)

180

181

179

EXIST. R/W

CONC. WALK

EXIST. R/W

PROP. R/W

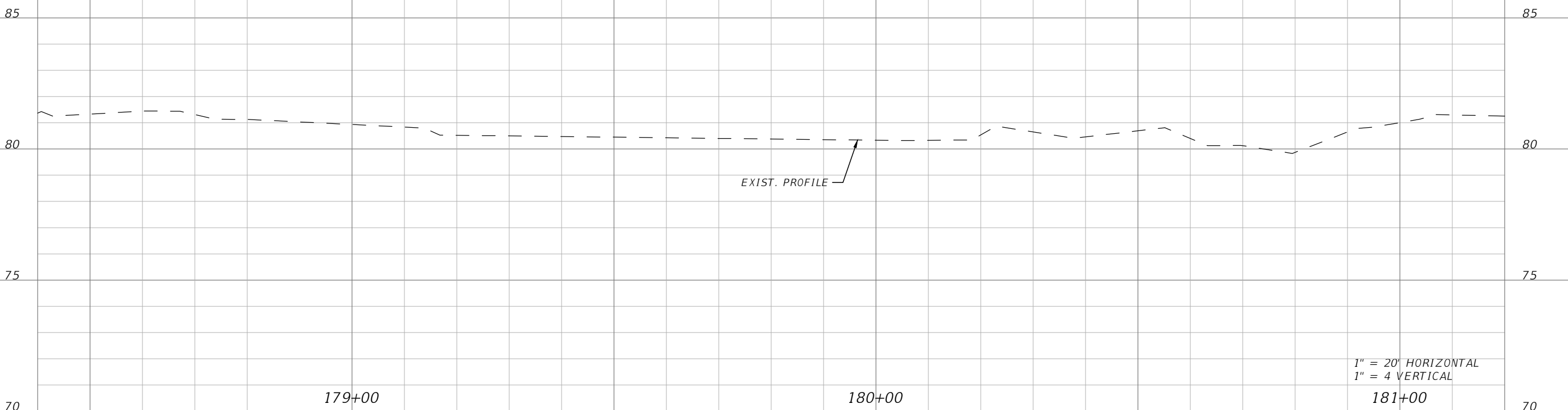
NO WORK IN THIS AREA.
FOR INFORMATION PURPOSES ONLY.

WALGREEN CO
2274 FORTUNE RD
19-25-30-1878-0001-00B0

18" RCP
N. INV=77.74'
S. INV=77.80'

EX-36

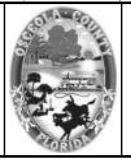
EX-37



1" = 20' HORIZONTAL
1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

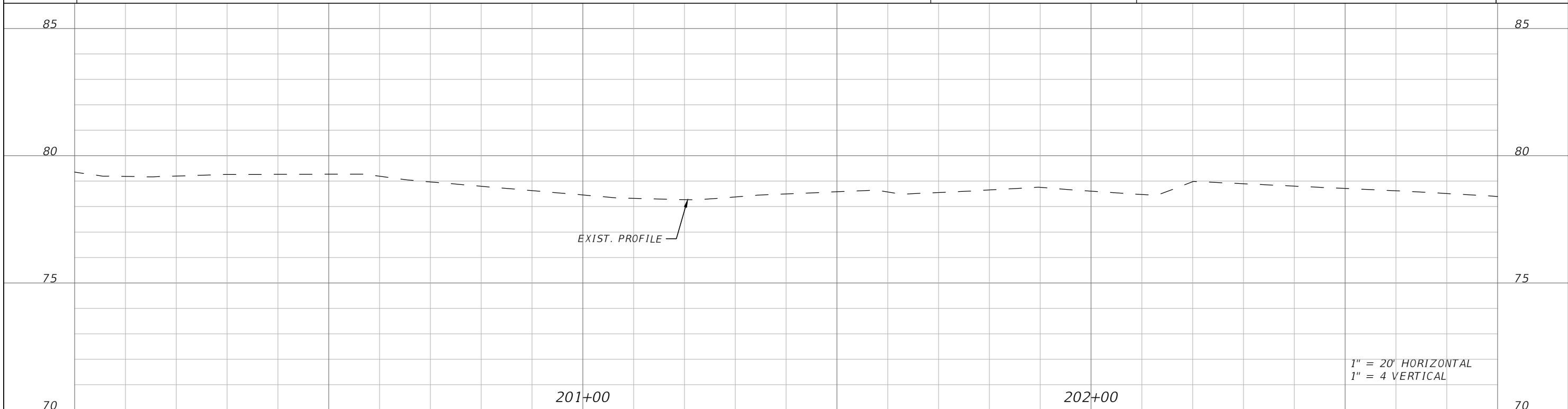
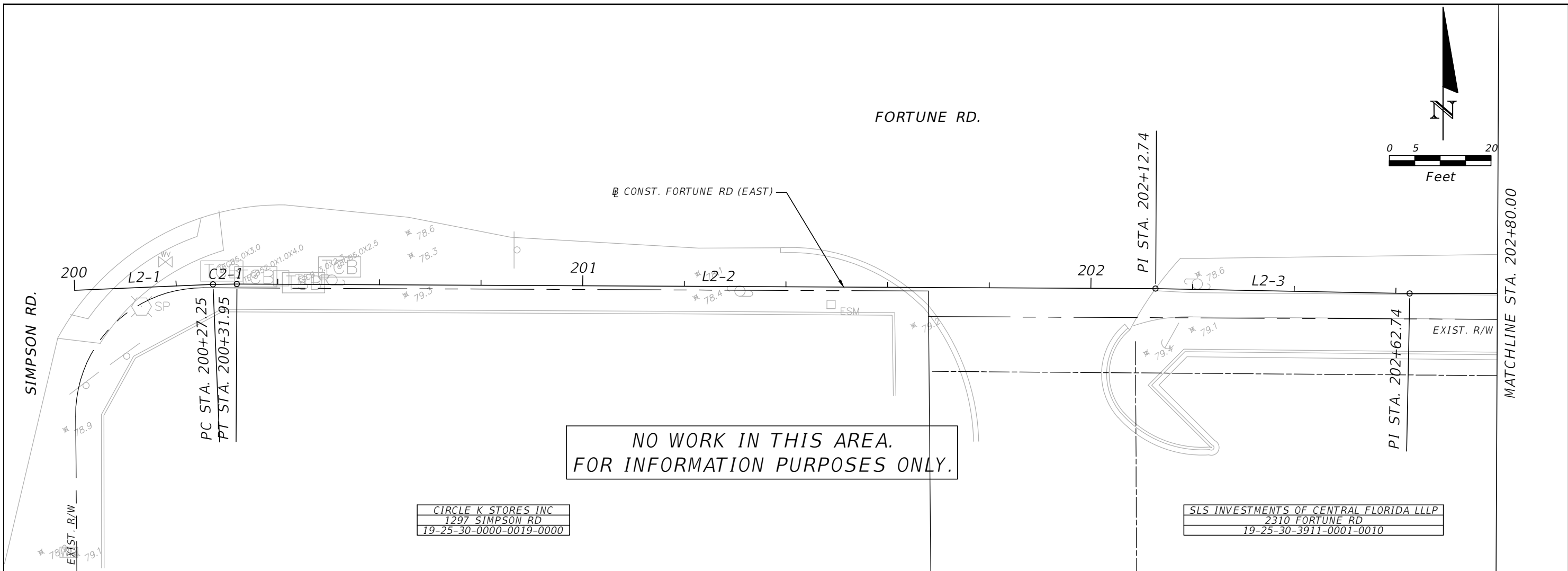


OSCEOLA COUNTY
FLORIDA

FORTUNE ROAD (WEST) ROADWAY
PLAN & PROFILE 29

SHEET NO.
R-29

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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

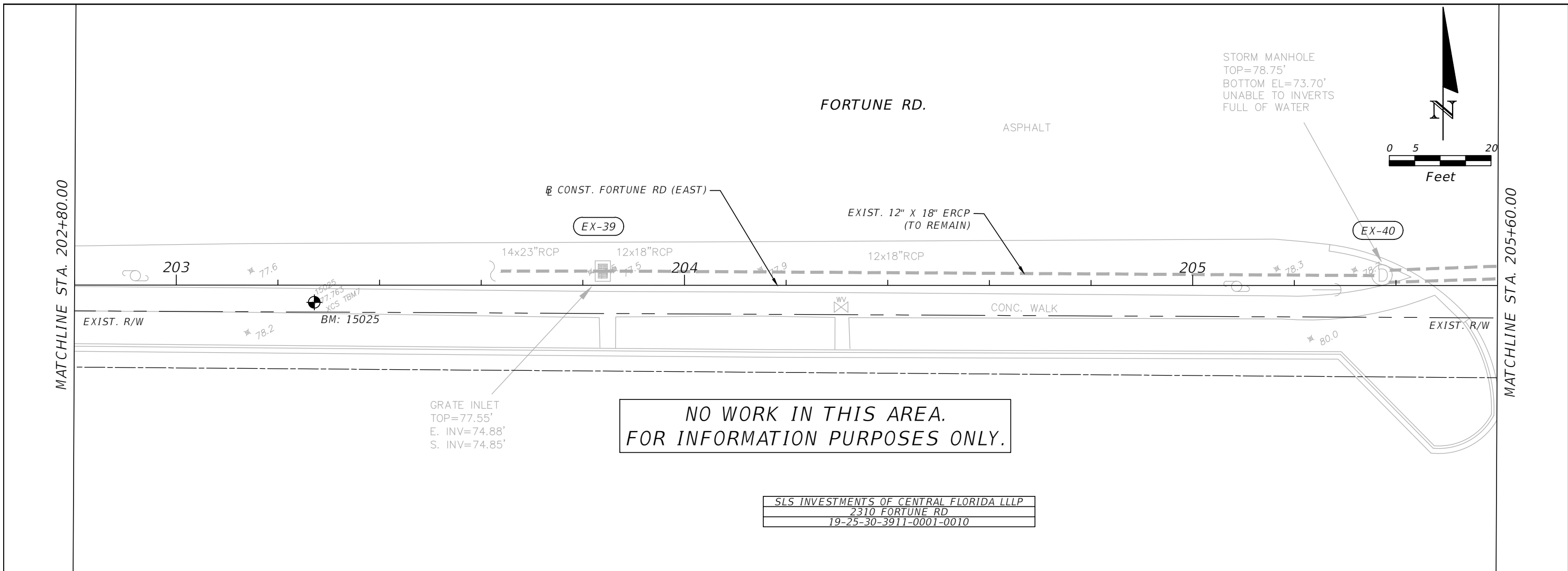


OSCEOLA COUNTY
FLORIDA

**FORTUNE ROAD (EAST) ROADWAY
PLAN & PROFILE 1**

SHEET
NO.
R-30

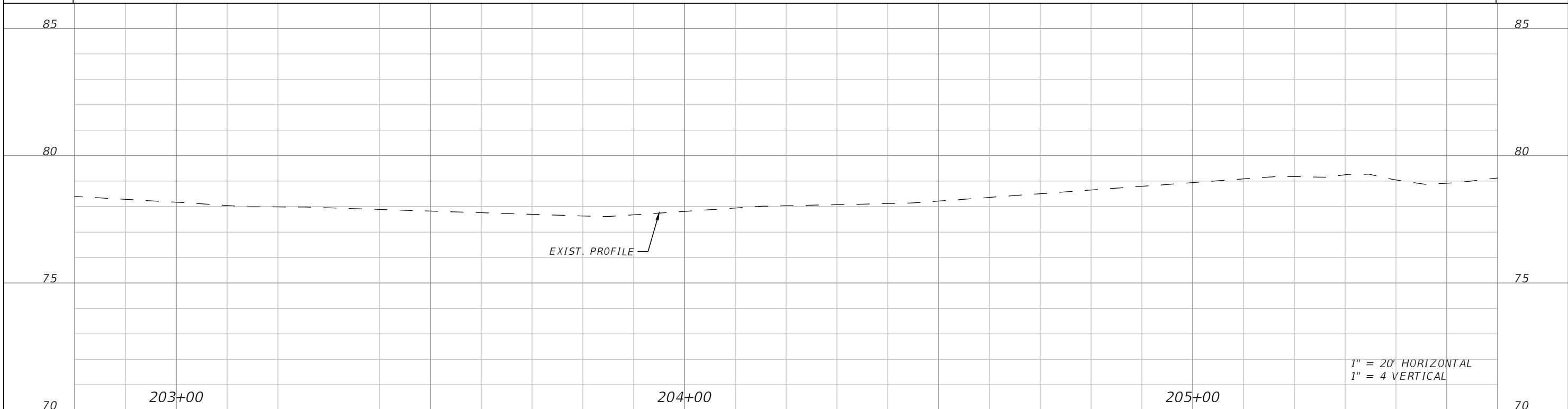
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



GRATE INLET
TOP=77.55'
E. INV=74.88'
S. INV=74.85'

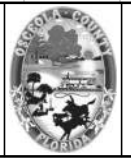
NO WORK IN THIS AREA.
FOR INFORMATION PURPOSES ONLY.

SLS INVESTMENTS OF CENTRAL FLORIDA LLLP
2310 FORTUNE RD
19-25-30-3911-0001-0010



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

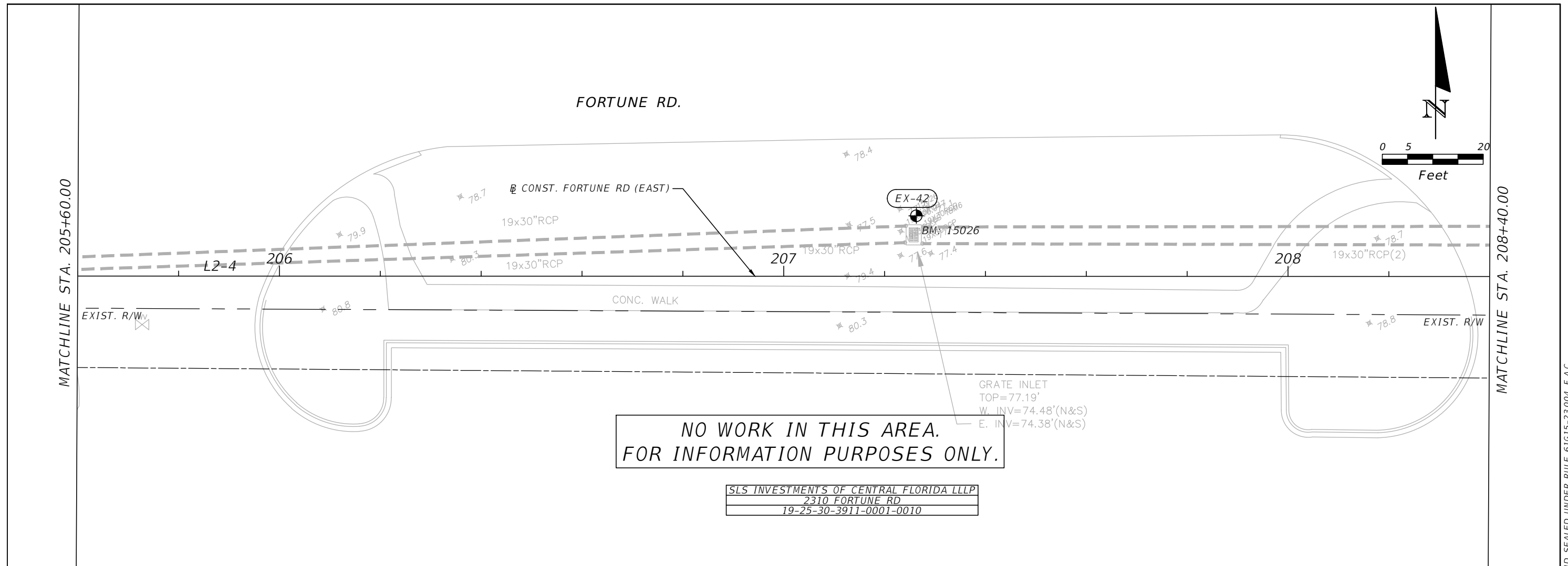


**OSCEOLA COUNTY
FLORIDA**

**FORTUNE ROAD (EAST) ROADWAY
PLAN & PROFILE 2**

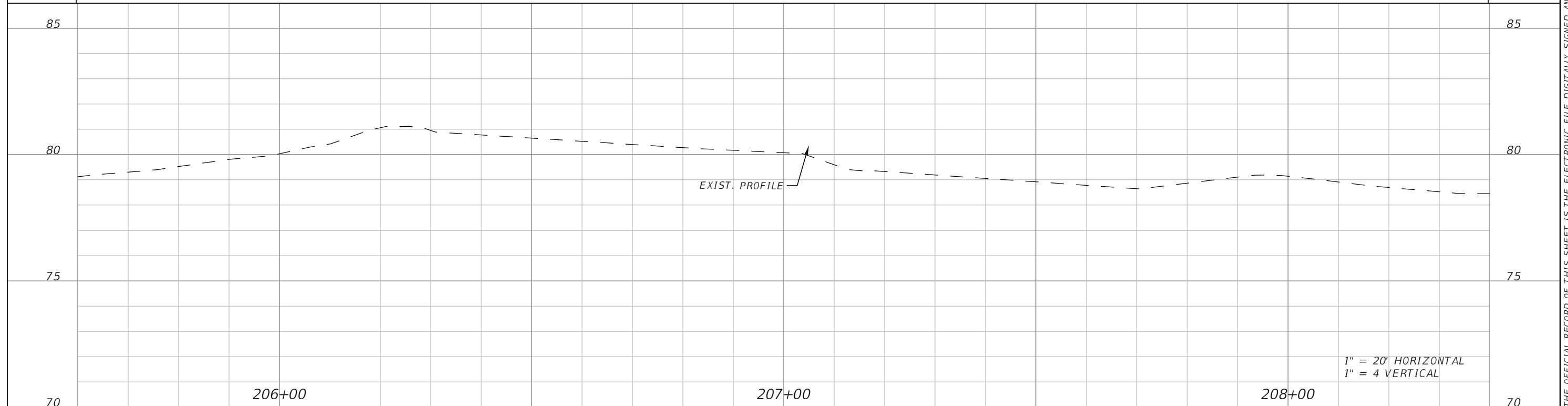
SHEET
NO.
R-31

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



NO WORK IN THIS AREA.
FOR INFORMATION PURPOSES ONLY.

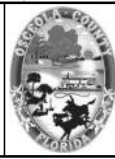
SLS INVESTMENTS OF CENTRAL FLORIDA LLLP
2310 FORTUNE RD
19-25-30-3911-0001-0010



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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

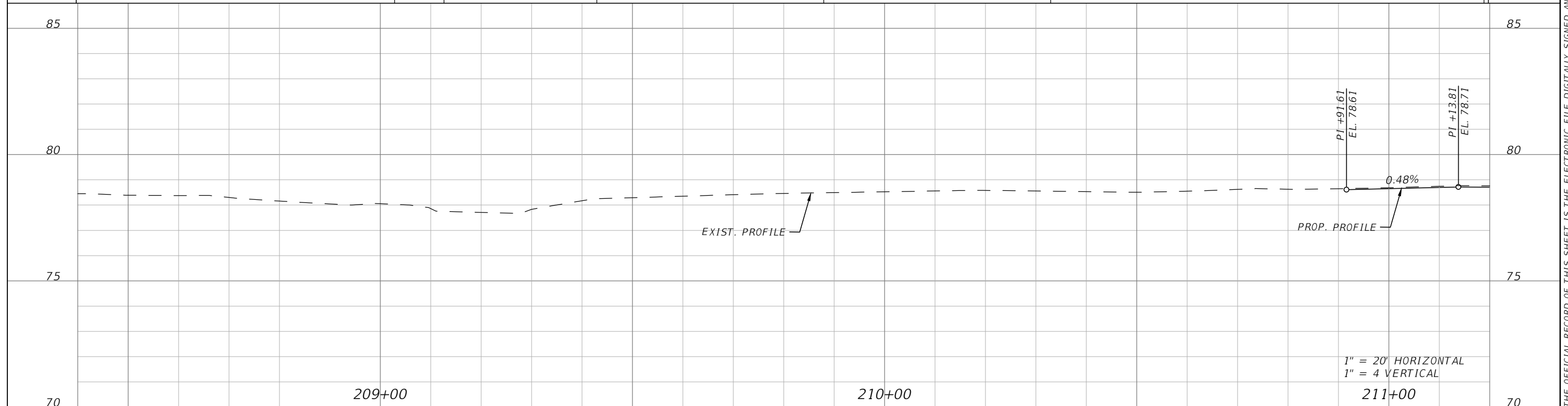
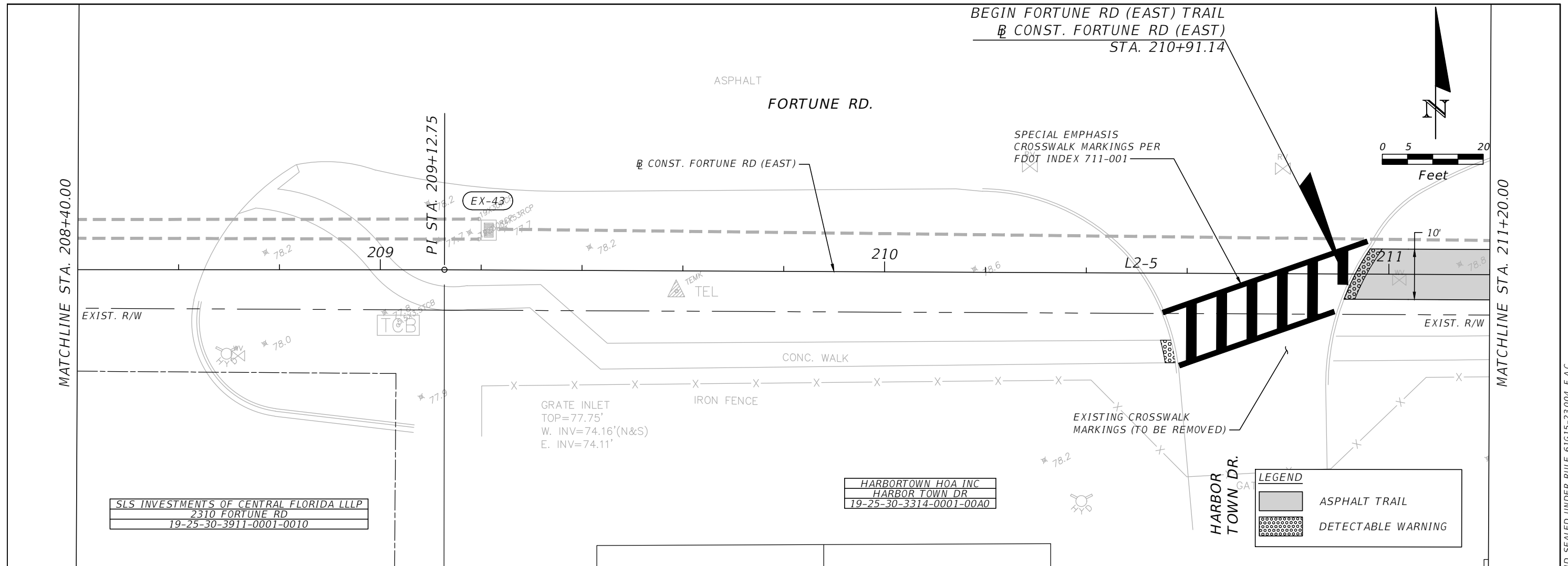


OSCEOLA COUNTY
FLORIDA

**FORTUNE ROAD (EAST) ROADWAY
PLAN & PROFILE 3**

SHEET
NO.
R-32

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION


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

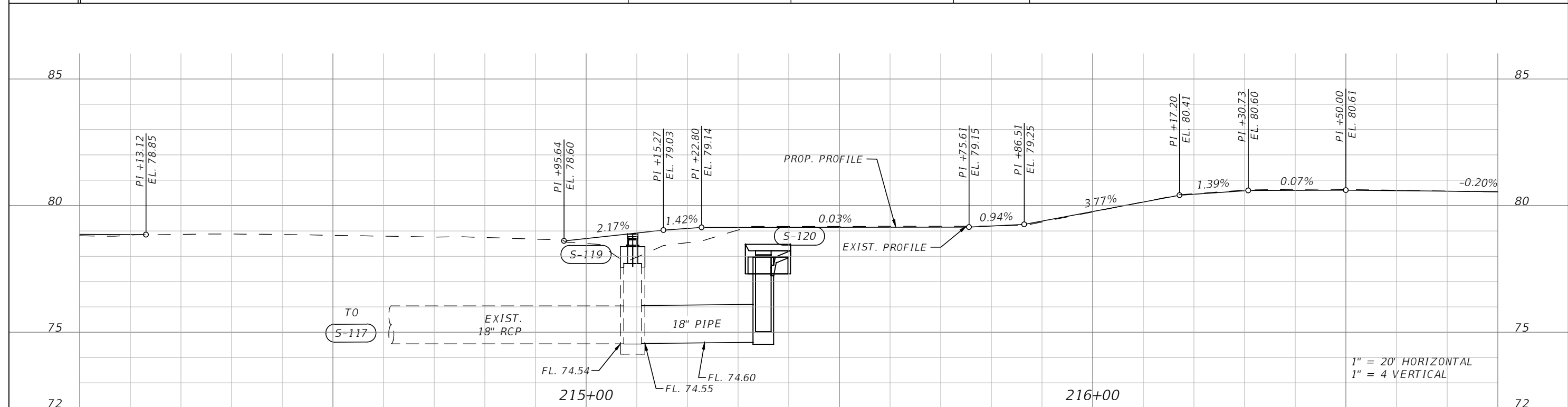
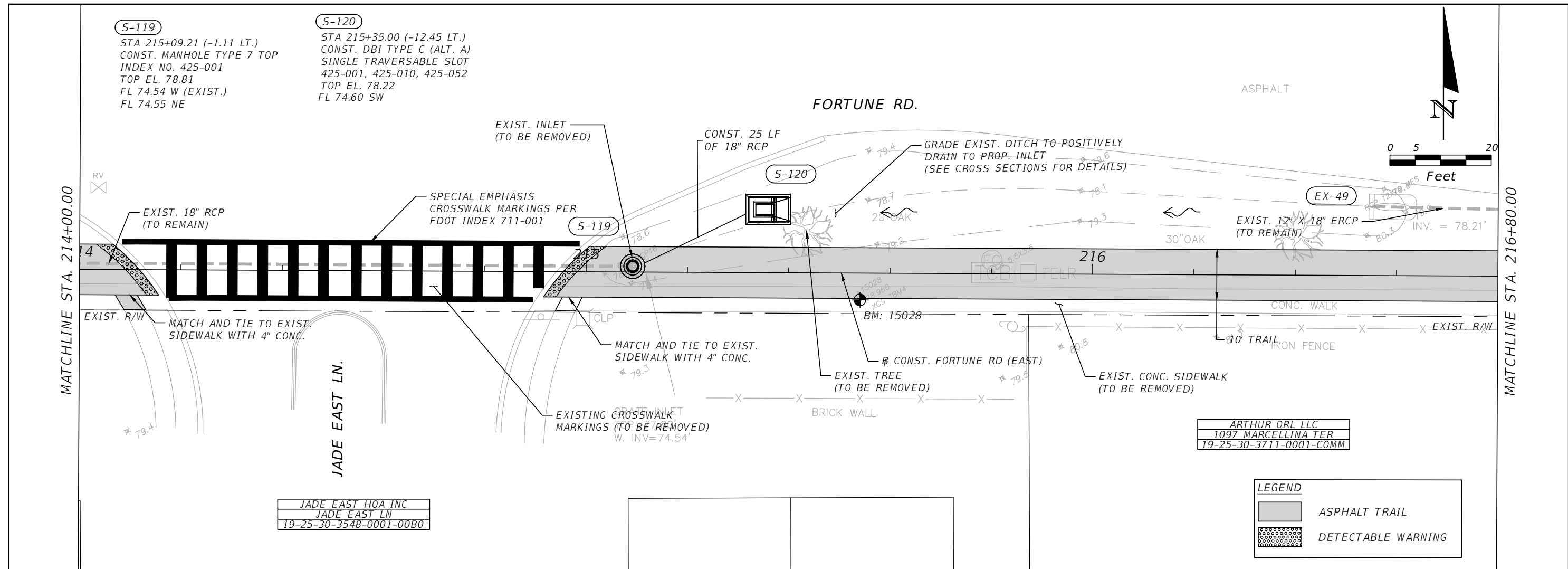


OSCEOLA COUNTY
FLORIDA

FORTUNE ROAD (EAST) ROADWAY
PLAN & PROFILE 4

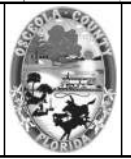
SHEET NO.
R-33

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

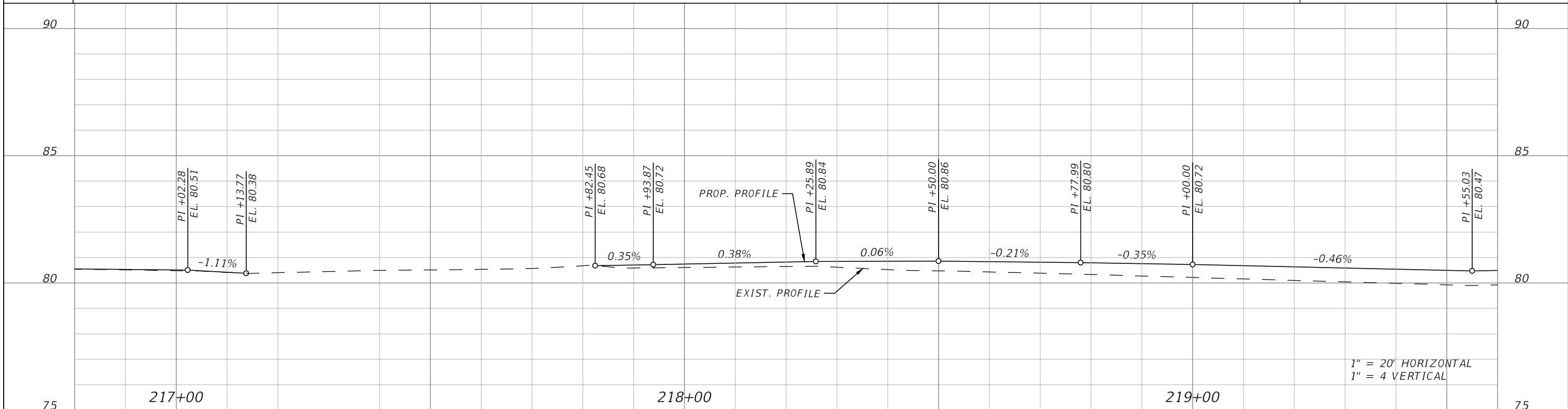
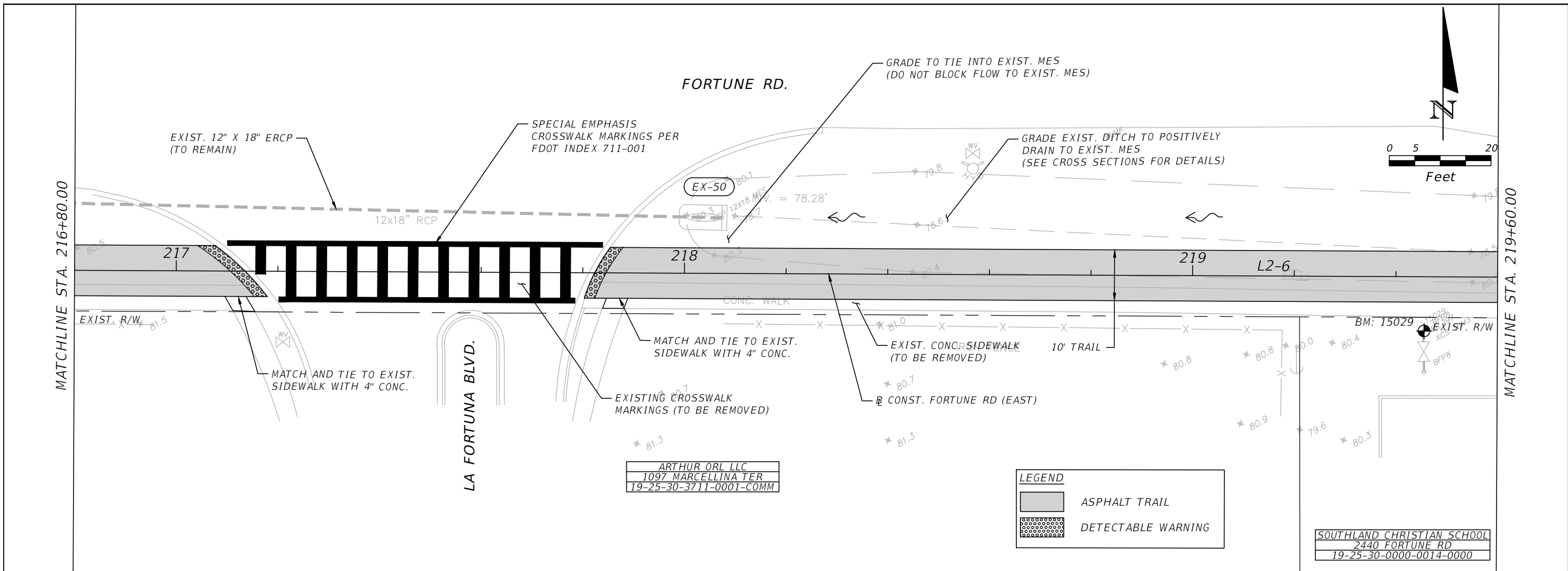


**OSCEOLA COUNTY
 FLORIDA**

**FORTUNE ROAD (EAST) ROADWAY
 PLAN & PROFILE 6**

**SHEET NO.
 R-35**

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION


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



OSCEOLA COUNTY
 FLORIDA

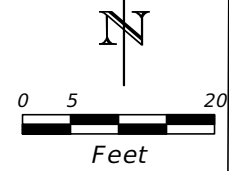
**FORTUNE ROAD (EAST) ROADWAY
 PLAN & PROFILE 7**

SHEET
 NO.
R-36

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

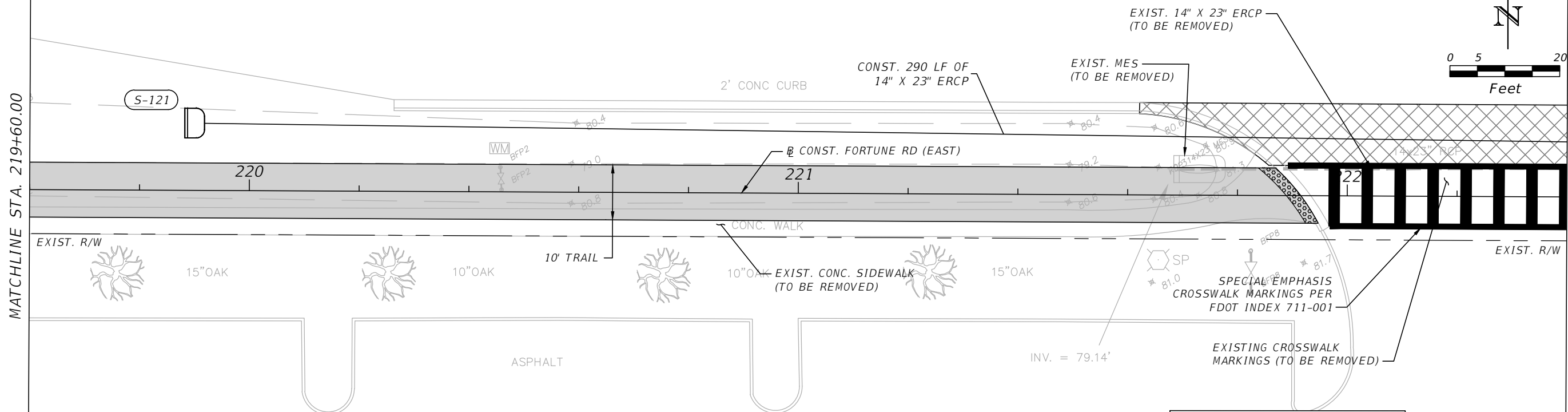
S-121
 STA 219+90.00 (-12.24 LT.)
 CONST. SD MES 14" X 23" (1:2)
 INDEX NO. 430-021
 FL 79.15 E

FORTUNE RD.



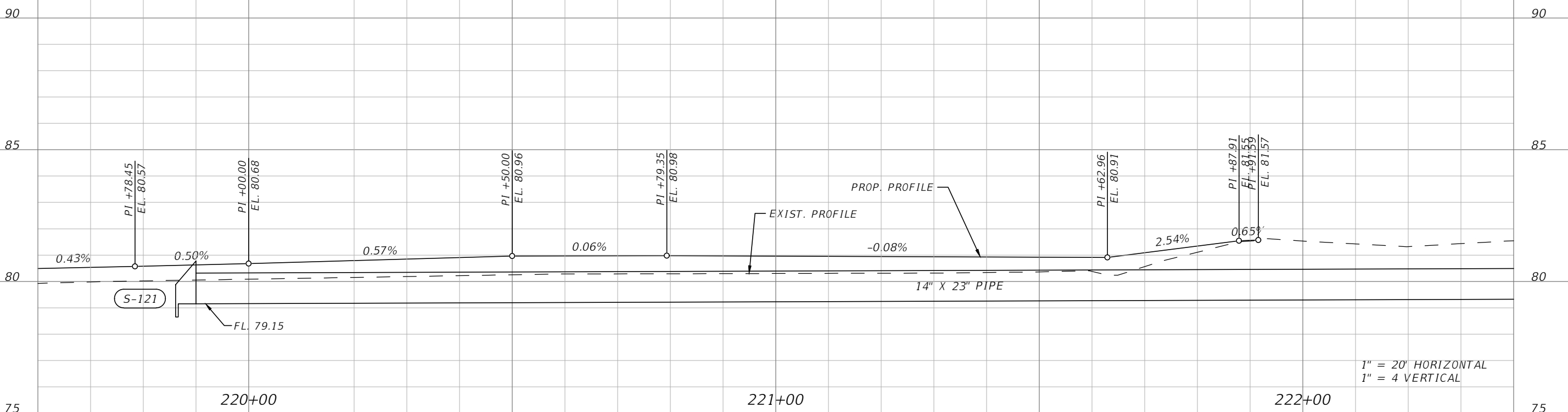
MATCHLINE STA. 219+60.00

MATCHLINE STA. 222+40.00



SOUTHLAND CHRISTIAN SCHOOL
 2440 FORTUNE RD
 19-25-30-0000-0014-0000

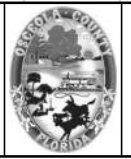
LEGEND	
	ASPHALT TRAIL
	DETECTABLE WARNING
	PAVEMENT RESTORATION



1" = 20' HORIZONTAL
 1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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



OSCEOLA COUNTY
 FLORIDA

FORTUNE ROAD (EAST) ROADWAY
 PLAN & PROFILE 8

SHEET NO.
 R-37

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S-122
 STA 222+80.00 (-9.67 LT.)
 CONST. SD MES 14" X 23" (1:2)
 INDEX NO. 430-021
 FL 79.35 W

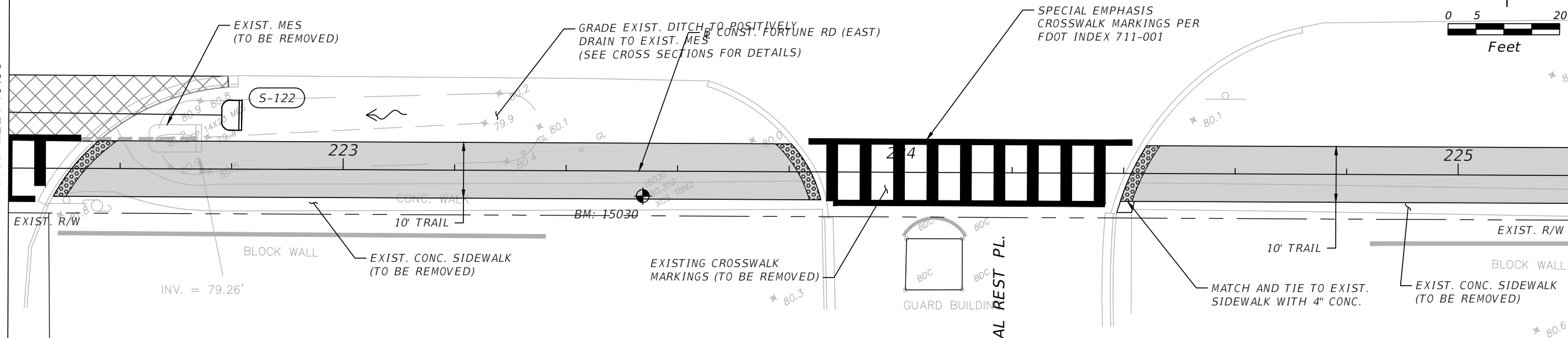
ASPHALT

FORTUNE RD.



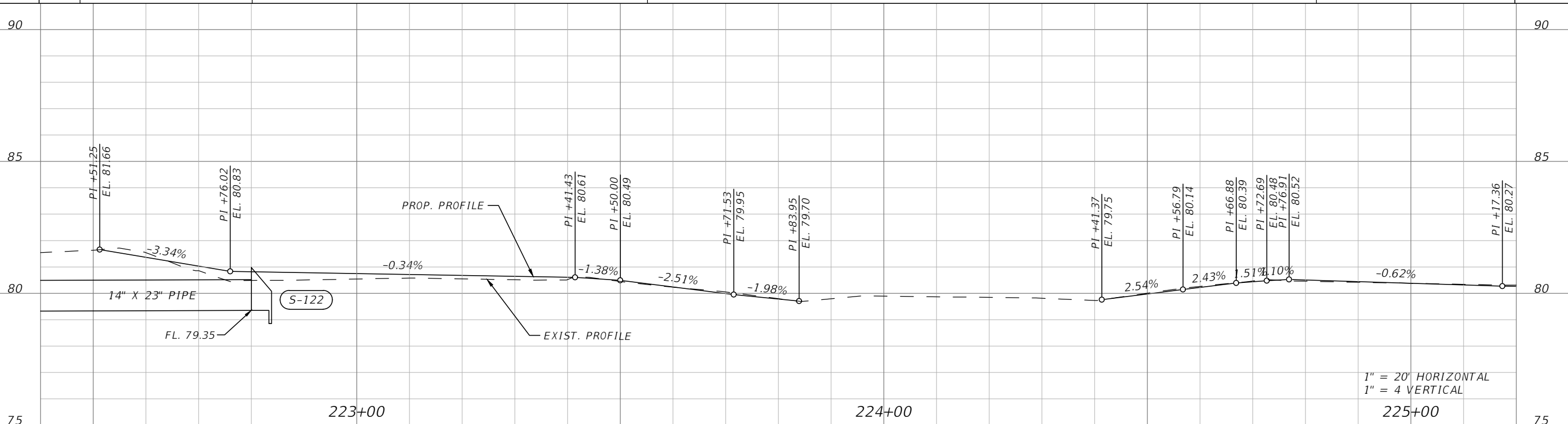
MATCHLINE STA. 222+40.00

MATCHLINE STA. 225+20.00



LEGEND	
	ASPHALT TRAIL
	DETECTABLE WARNING
	PAVEMENT RESTORATION

INTERNATIONAL SALES & MARKETING LLC
 1057 UNIVERSAL REST PL
 19-25-30-3079-0001-00A0



1" = 20' HORIZONTAL
 1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

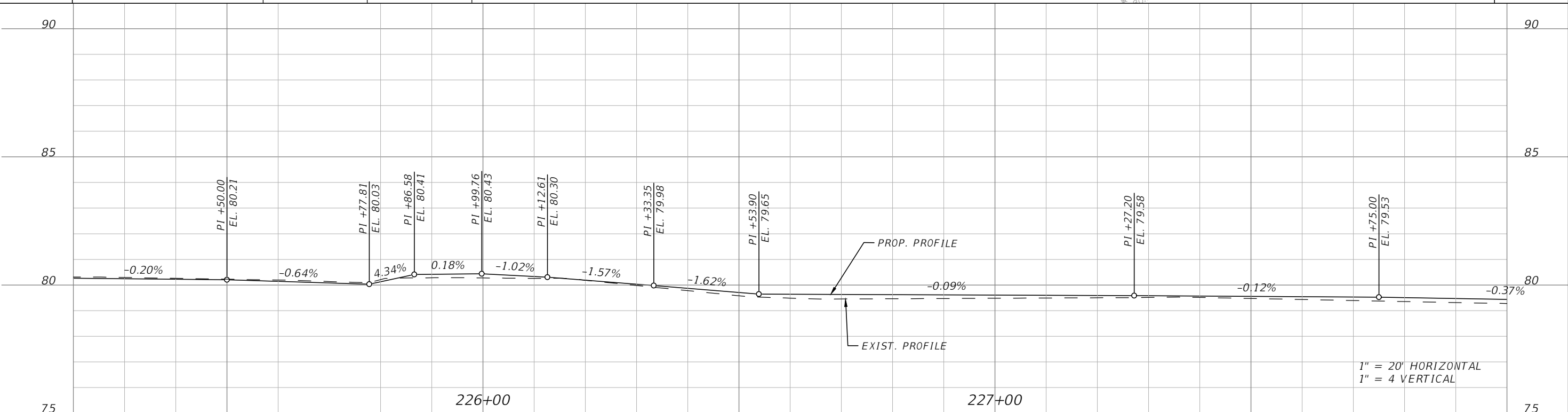
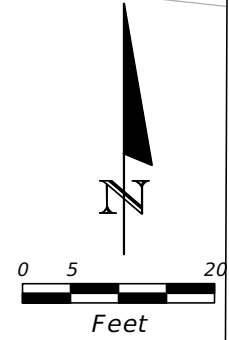
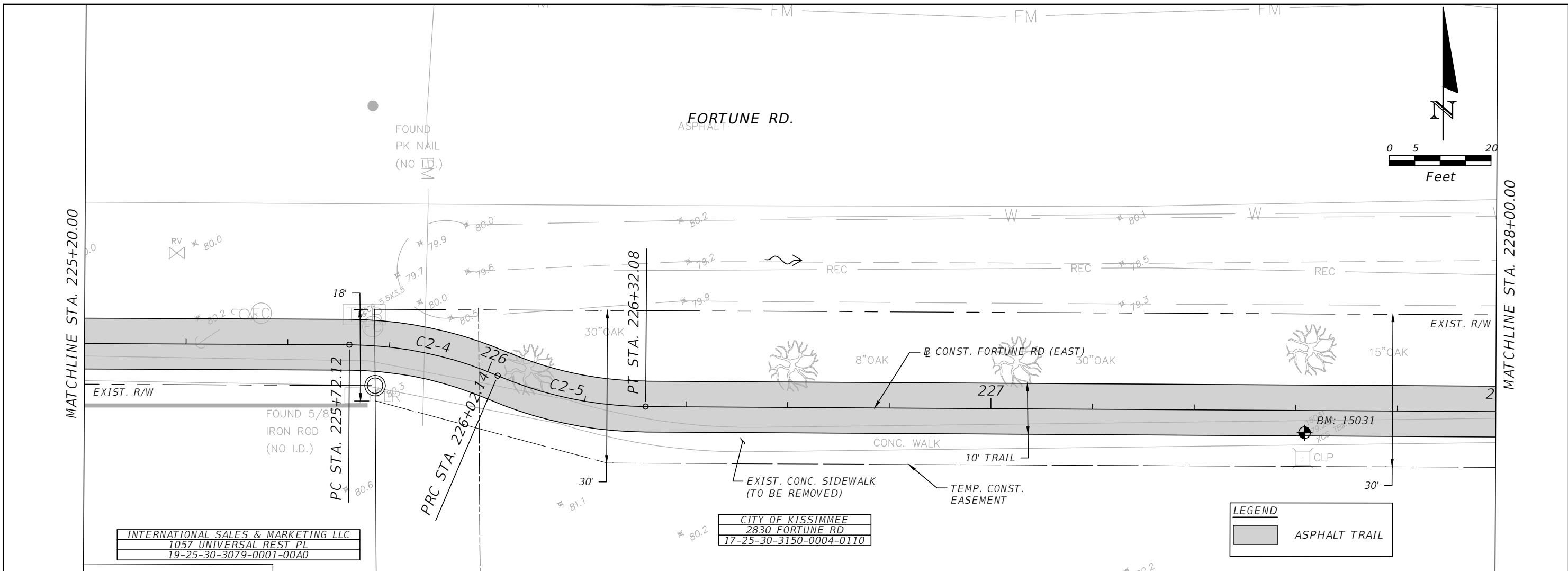


OSCEOLA COUNTY
 FLORIDA

FORTUNE ROAD (EAST) ROADWAY
 PLAN & PROFILE 9

SHEET NO.
 R-38

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

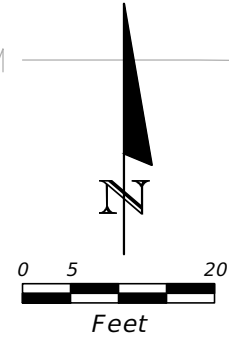
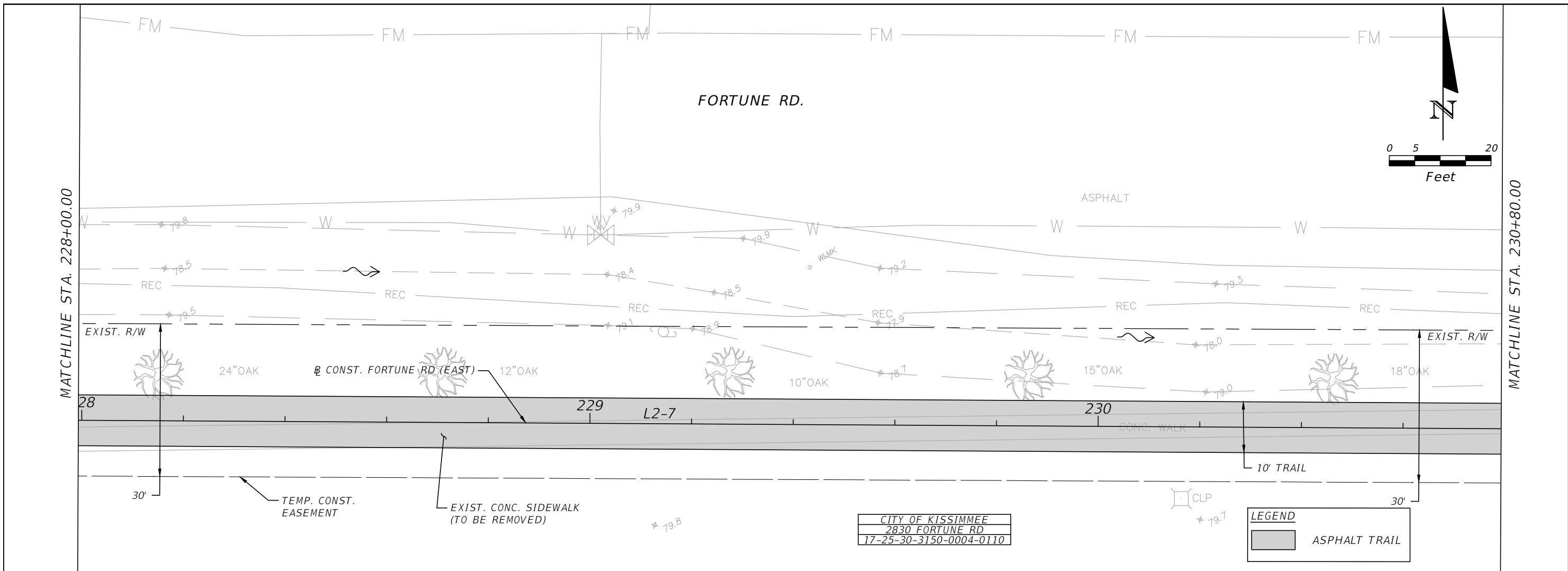


OSCEOLA COUNTY
FLORIDA

**FORTUNE ROAD (EAST) ROADWAY
PLAN & PROFILE 10**

SHEET NO.
R-39

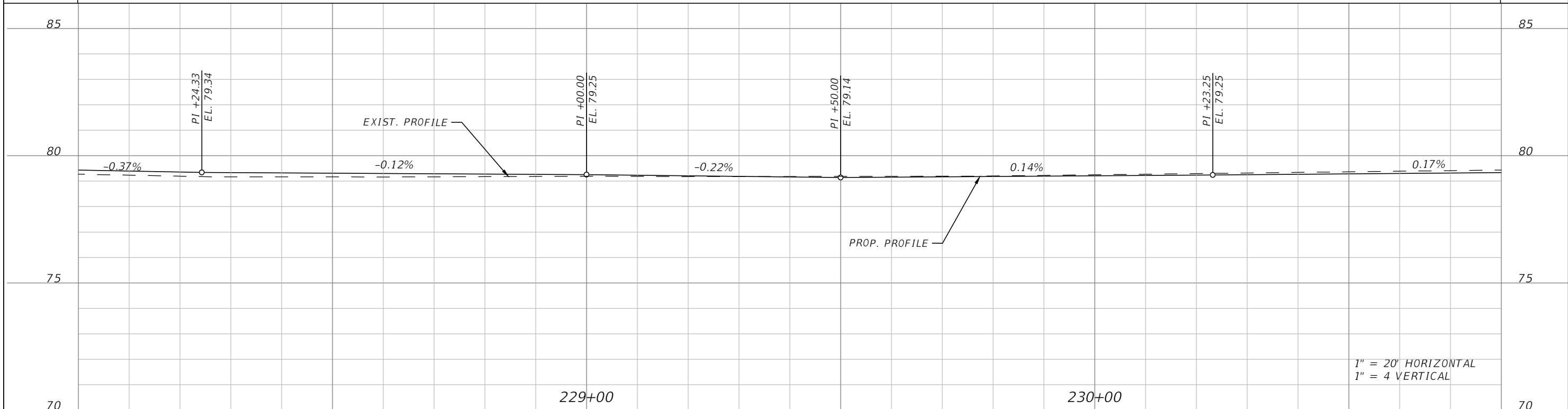
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



CITY OF KISSIMMEE
2830 FORTUNE RD
17-25-30-3150-0004-0110

LEGEND

ASPHALT TRAIL



1" = 20' HORIZONTAL
1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

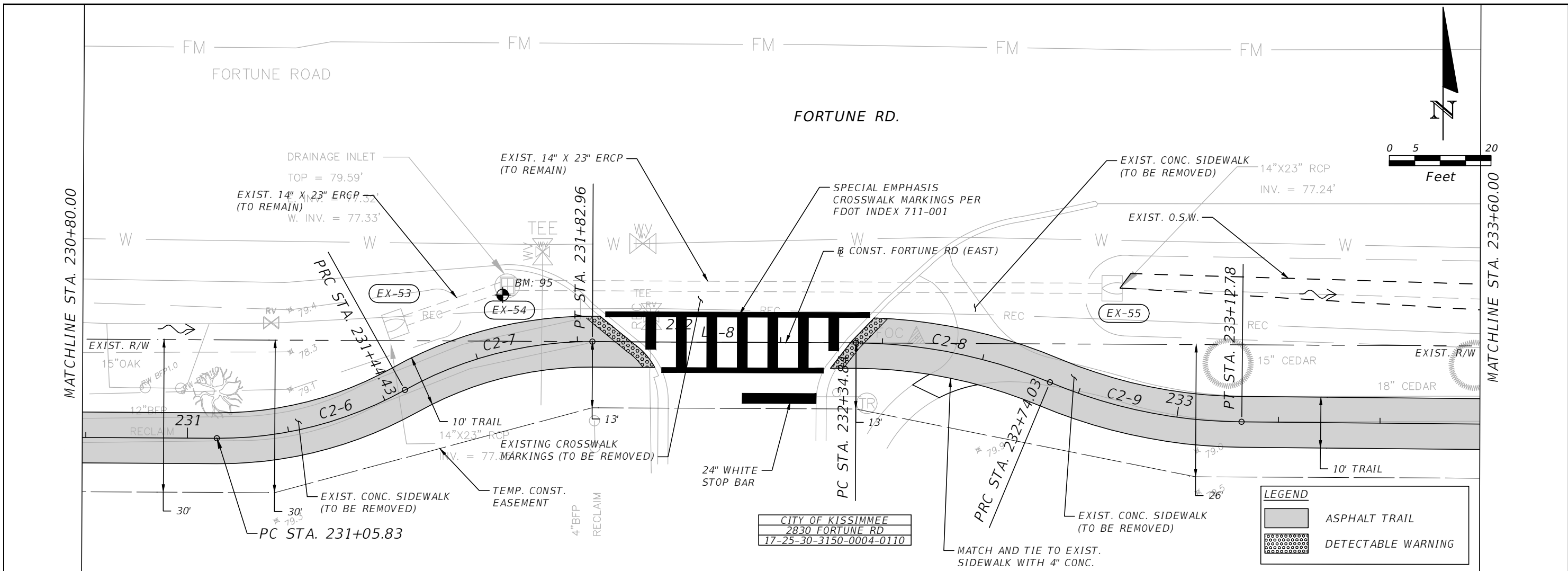


OSCEOLA COUNTY
FLORIDA

**FORTUNE ROAD (EAST) ROADWAY
PLAN & PROFILE 11**

SHEET NO.
R-40

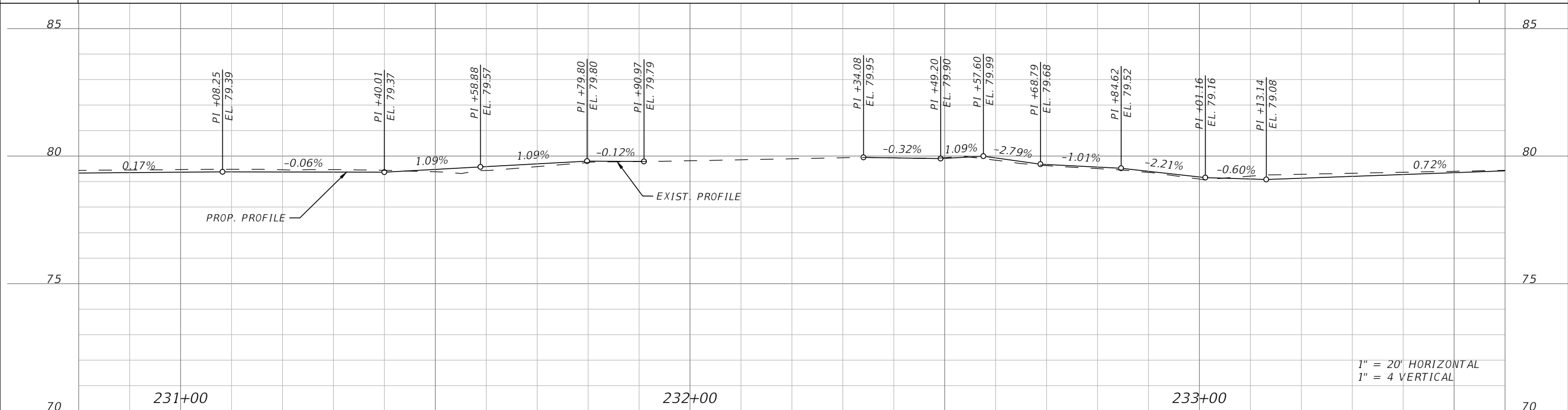
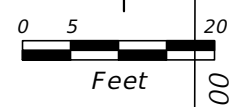
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



CITY OF KISSIMMEE
2830 FORTUNE RD
17-25-30-3150-0004-0110

LEGEND

- ASPHALT TRAIL
- DETECTABLE WARNING



1" = 20' HORIZONTAL
1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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



OSCEOLA COUNTY
FLORIDA

FORTUNE ROAD (EAST) ROADWAY
PLAN & PROFILE 12

SHEET NO.
R-41

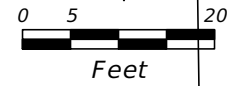
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

S-200
 STA 235+57.64 (-12.32 LT.)
 CONST. INLET TYPE C
 FDOT INDEX NO. 425-001, 425-010, 425-052
 TOP EL. 76.80
 FL 74.20 E

FORTUNE RD.

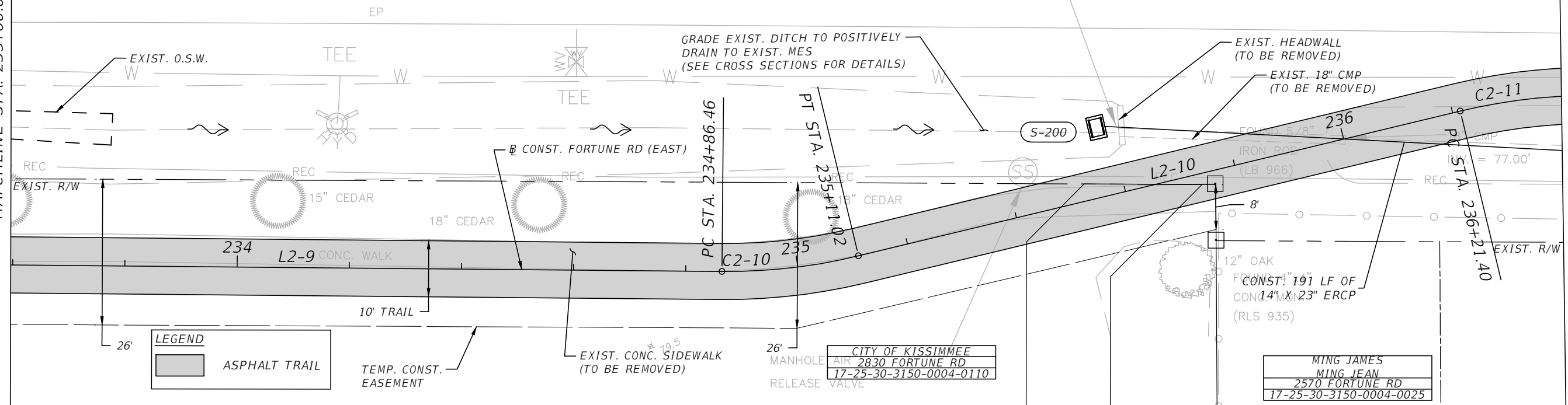
BM: 94

SANDBAG
 HEADWALL
 INV. = 76.44'



MATCHLINE STA. 233+60.00

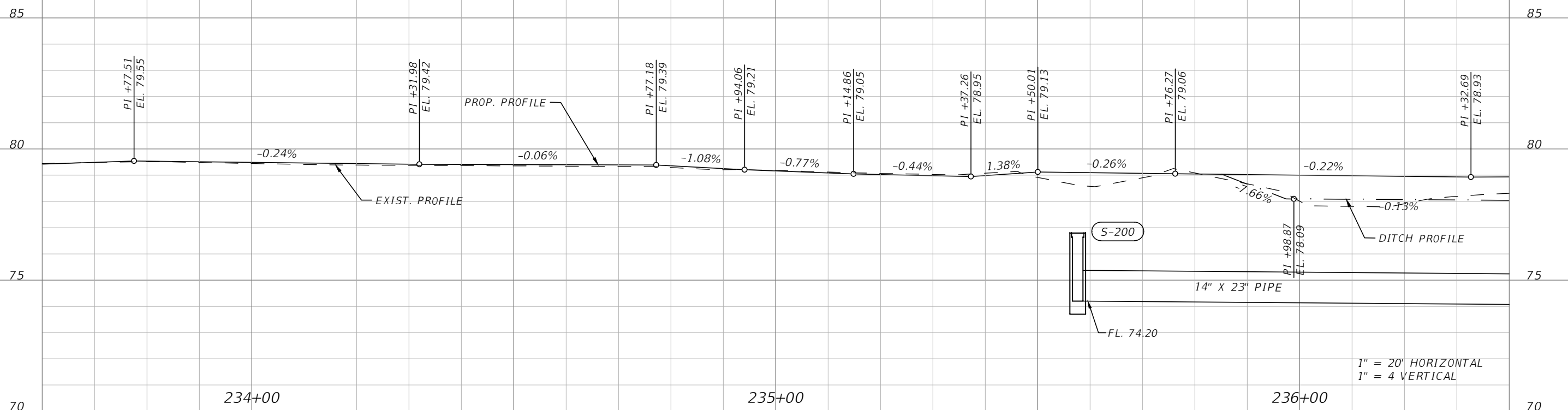
MATCHLINE STA. 236+40.00



LEGEND
 ASPHALT TRAIL

CITY OF KISSIMMEE
 AIR 2830 FORTUNE RD
 17-25-30-3150-0004-0110

MING JAMES
 MING JEAN
 2570 FORTUNE RD
 17-25-30-3150-0004-0025



1" = 20' HORIZONTAL
 1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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



OSCEOLA COUNTY
 FLORIDA

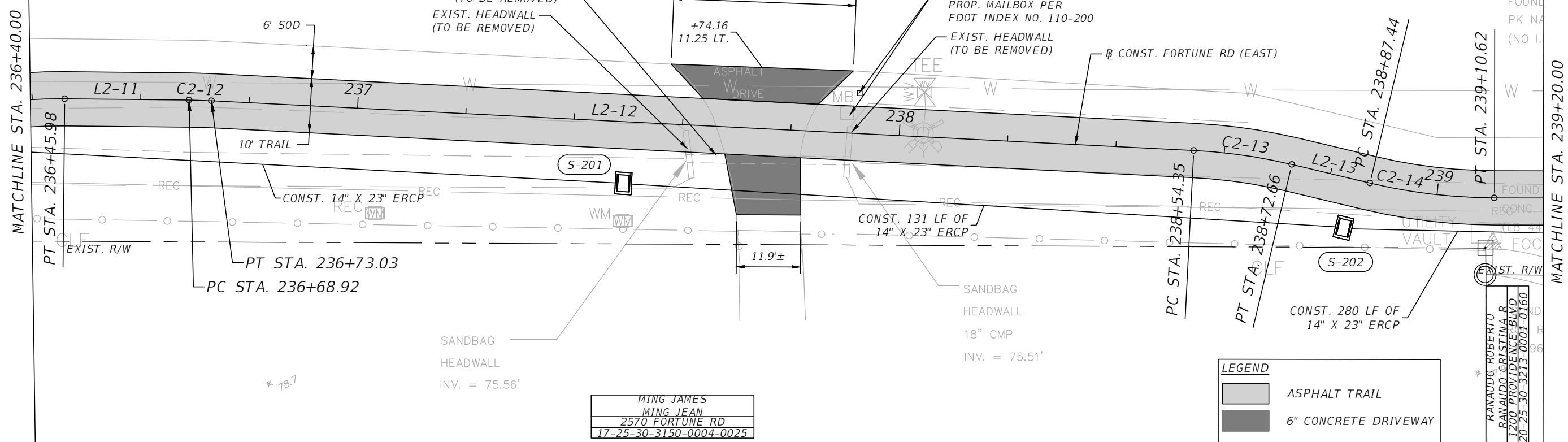
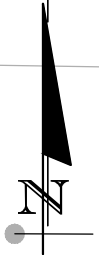
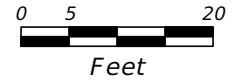
FORTUNE ROAD (EAST) ROADWAY
 PLAN & PROFILE 13

SHEET
 NO.
 R-42

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

S-201 FM
 STA 237+49.64 (11.37 RT.)
 CONST. INLET TYPE C
 FDOT INDEX NO. 425-001, 425-010, 425-052
 TOP EL. 77.90
 FL 73.90 W
 FL 73.90 E

S-202 FM
 STA 238+84.64 (9.13 RT.)
 CONST. INLET TYPE C
 FDOT INDEX NO. 425-001, 425-010, 425-052
 TOP EL. 77.40
 FL 73.65 W
 FL 73.35 E

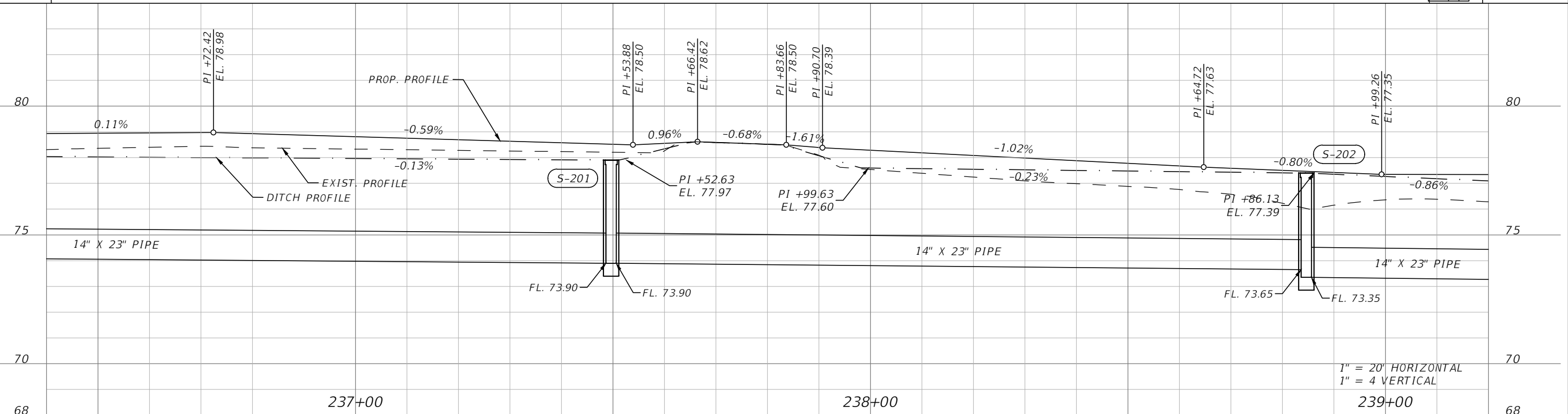


MING JAMES
 MING JEAN
 2570 FORTUNE RD
 17-25-30-3150-0004-0025

LEGEND

- ASPHALT TRAIL
- 6" CONCRETE DRIVEWAY

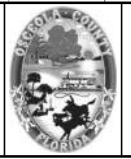
RAMAUDO ROBERTO
 RAMAUDO CRISTINA R
 1200 PROVIDENCE BLVD
 20-25-30-3213-0001-0160



1" = 20' HORIZONTAL
 1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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



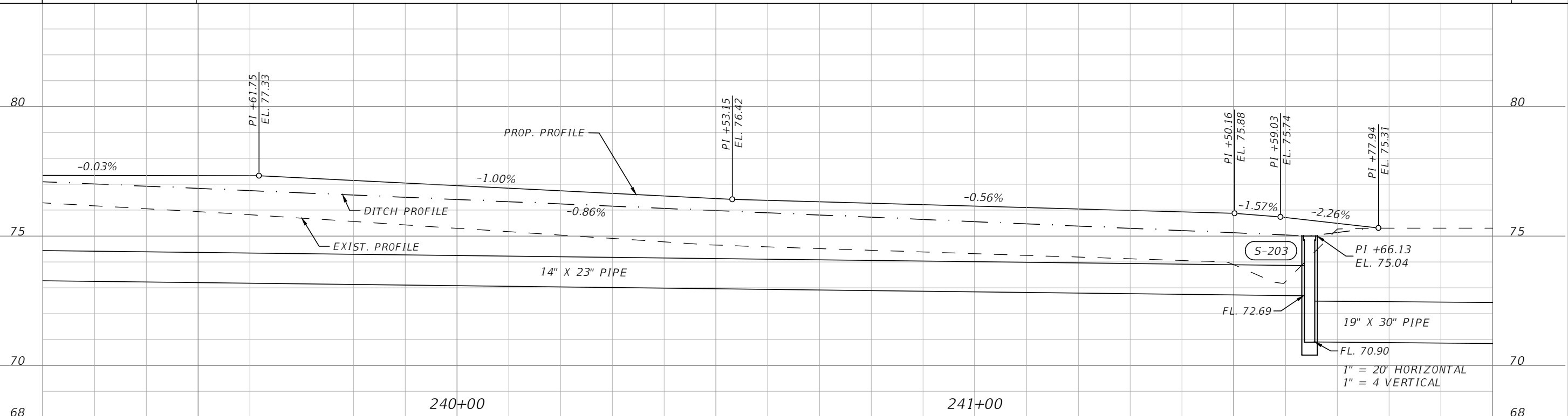
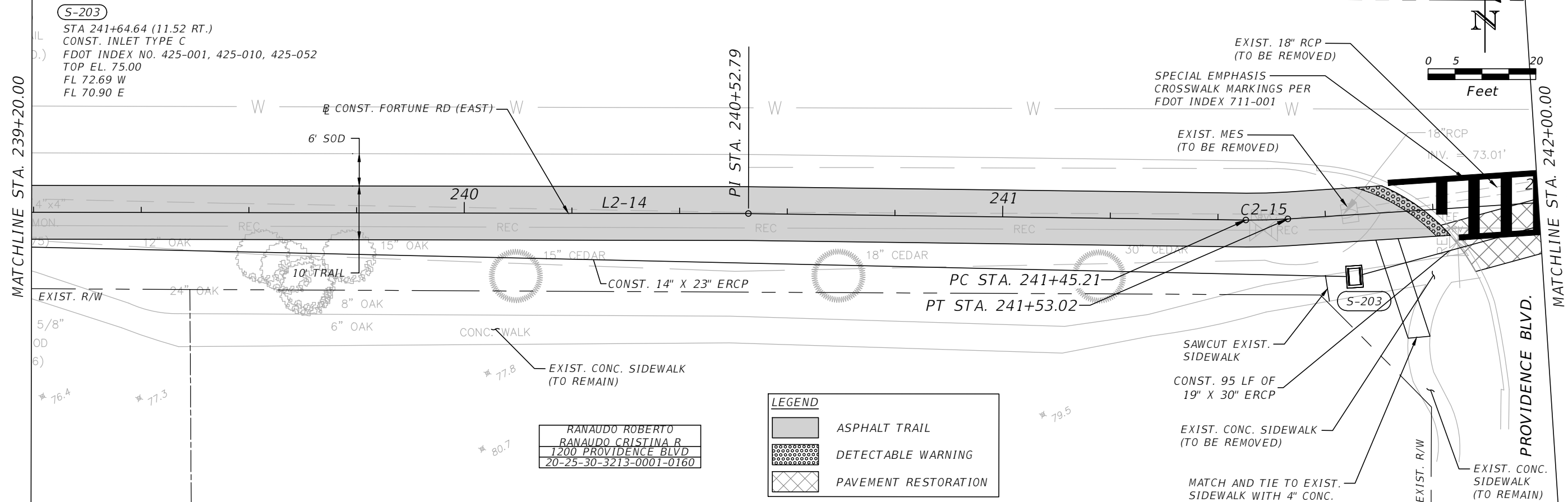
OSCEOLA COUNTY
 FLORIDA

FORTUNE ROAD (EAST) ROADWAY
 PLAN & PROFILE 14

SHEET NO.
 R-43

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FORTUNE RD.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

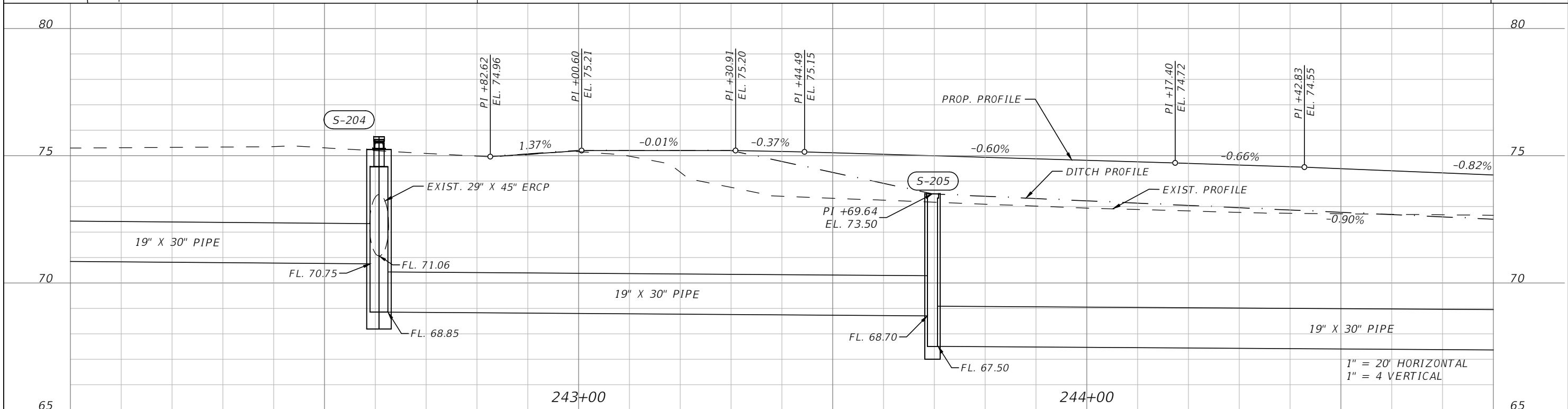
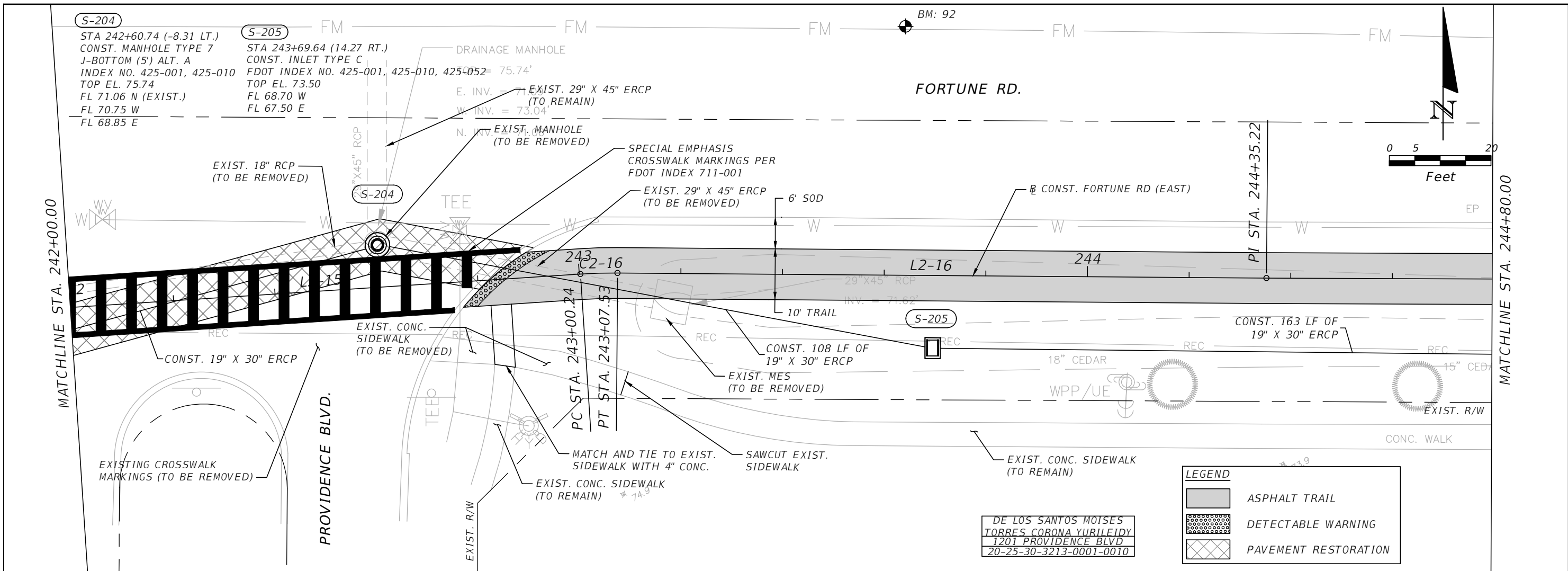
vhb
Engineers | Scientists
Planners | Designers
225 E. Robinson Street, Suite 300
Orlando, FL 32801 (407)839-4006
Certificate of Authorization # 3932
Mark F. Bertocini, P.E.
PE # 63437

**OSCEOLA COUNTY
FLORIDA**

**FORTUNE ROAD (EAST) ROADWAY
PLAN & PROFILE 15**

SHEET NO.
R-44

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION


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



OSCEOLA COUNTY
 FLORIDA

**FORTUNE ROAD (EAST) ROADWAY
 PLAN & PROFILE 16**

SHEET
 NO.
R-45

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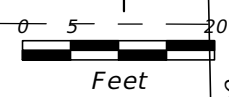
S-206

STA 245+34.64 (15.14 RT.)
CONST. INLET TYPE C
J-BOTTOM (3.5' X 5') ALT. B
FDOT INDEX NO. 425-001, 425-010, 425-052
TOP EL. 72.00
FL 67.30 W
FL 66.10 E

FM FM FM FM FM FM

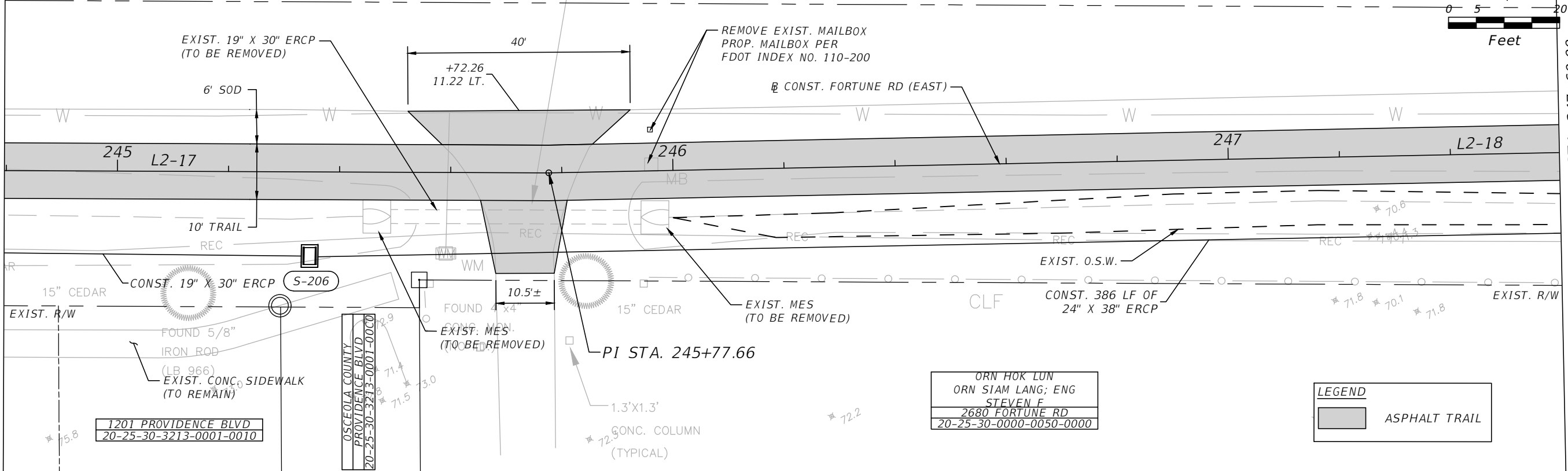
FORTUNE RD.

19"X30" RCP
E. INV. = 71.02'
W. INV. = 71.27'



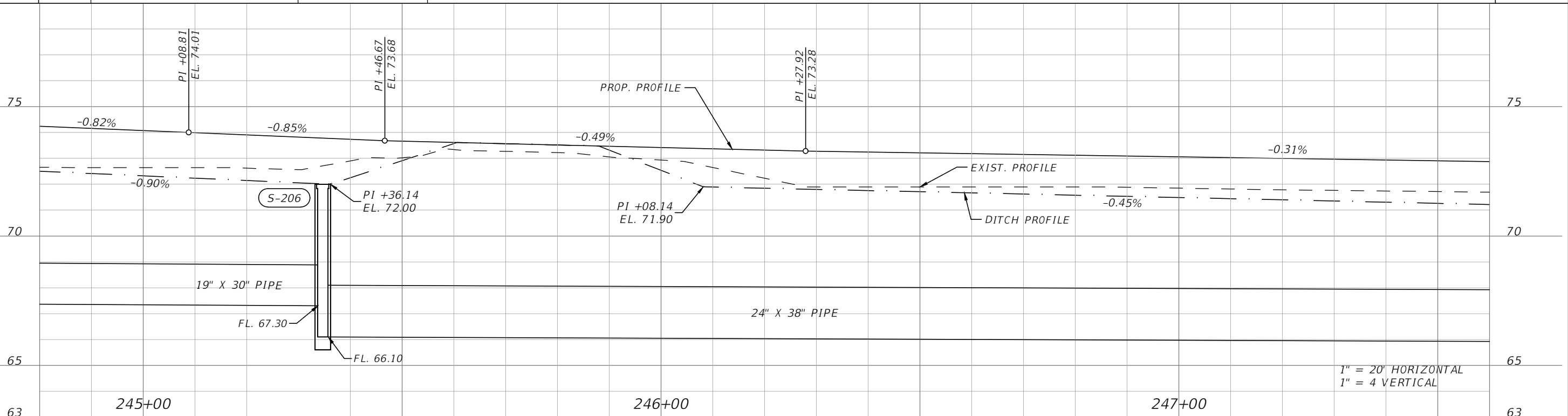
MATCHLINE STA. 244+80.00

MATCHLINE STA. 247+60.00



ORN HOK LUN
ORN SIAM LANG; ENG
STEVEN F
2680 FORTUNE RD
20-25-30-0000-0050-0000

LEGEND
[Grey Box] ASPHALT TRAIL

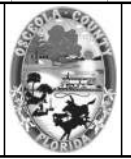


1" = 20' HORIZONTAL
1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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



OSCEOLA COUNTY
FLORIDA

FORTUNE ROAD (EAST) ROADWAY
PLAN & PROFILE 17

SHEET
NO.
R-46

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

S-207

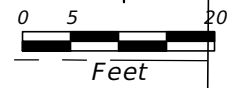
STA 249+22.38 (-8.15 LT.)
CONST. DBI TYPE F
J-BOTTOM (4' X 4.5') ALT. B
INDEX NO. 425-001, 425-010, 425-053
TOP EL. 72.10
FL 69.69 N (EXIST.)
FL 67.30 S

S-208

STA 249+23.14 (14.38 RT.)
CONST. INLET TYPE C
J-BOTTOM (4' X 5') ALT. B
FDOT INDEX NO. 425-001, 425-010, 425-052
TOP EL. 70.50
FL 65.80 W
FL 67.25 N
FL 67.80 S
FL 65.25 E

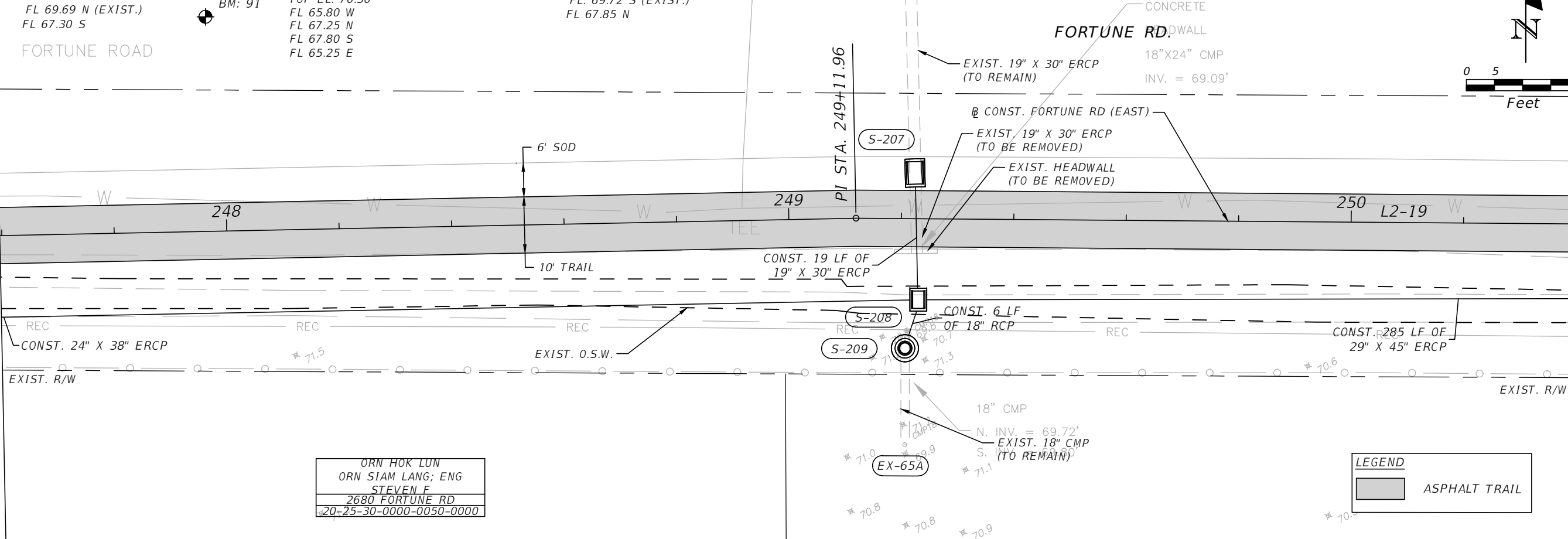
S-209

STA 249+20.82 (23.06 RT.)
CONST. MH TYPE 7
FDOT INDEX NO. 425-001, 425-010
TOP EL. 72.60
FL. 69.72 S (EXIST.)
FL 67.85 N



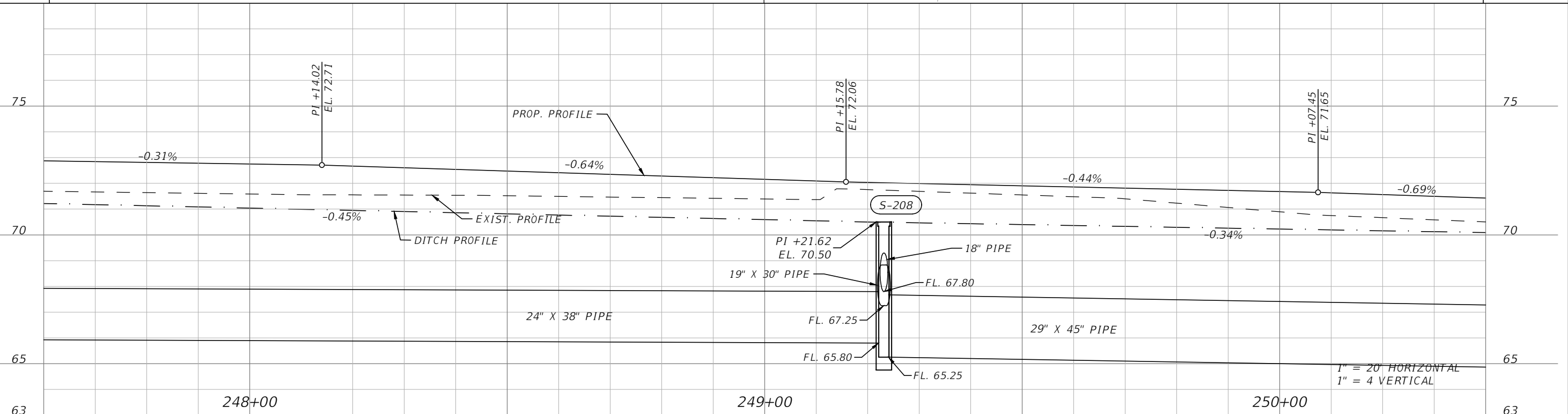
MATCHLINE STA. 247+60.00

MATCHLINE STA. 250+40.00



ORN HOK LUN
ORN SIAM LANG; ENG
STEVEN F
2680 FORTUNE RD
20-25-30-0000-0050-0000

LEGEND
[Grey Box] ASPHALT TRAIL



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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



OSCEOLA COUNTY
FLORIDA

FORTUNE ROAD (EAST) ROADWAY
PLAN & PROFILE 18

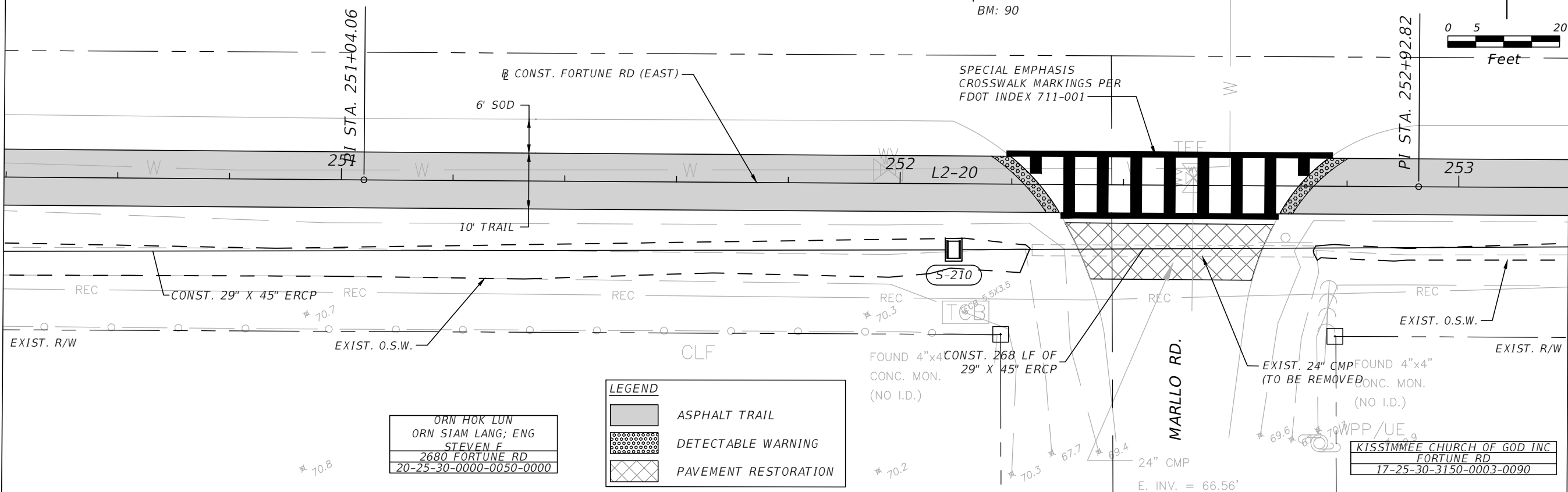
SHEET
NO.
R-47

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(S-210)
 STA 252+09.64 (11.80 RT.)
 CONST. INLET TYPE C
 J-BOTTOM (3.5' X 5') ALT. B
 FDOT INDEX NO. 425-001, 425-010, 425-052
 TOP EL. 69.50
 FL 64.30 W
 FL 62.90 E

MATCHLINE STA. 250+40.00

MATCHLINE STA. 253+20.00

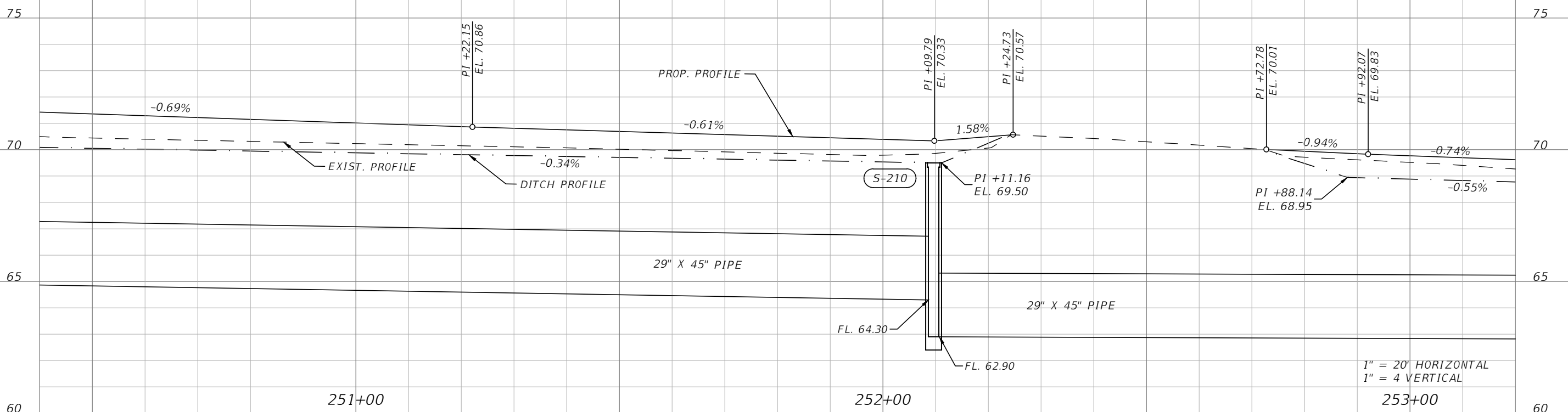


LEGEND

- ASPHALT TRAIL
- DETECTABLE WARNING
- PAVEMENT RESTORATION

ORN HOK LUN
 ORN SIAM LANG; ENG
 STEVEN F.
 2680 FORTUNE RD
 20-25-30-0000-0050-0000

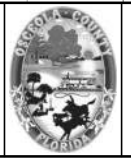
KISSIMMEE CHURCH OF GOD INC
 FORTUNE RD
 17-25-30-3150-0003-0090



1" = 20' HORIZONTAL
 1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

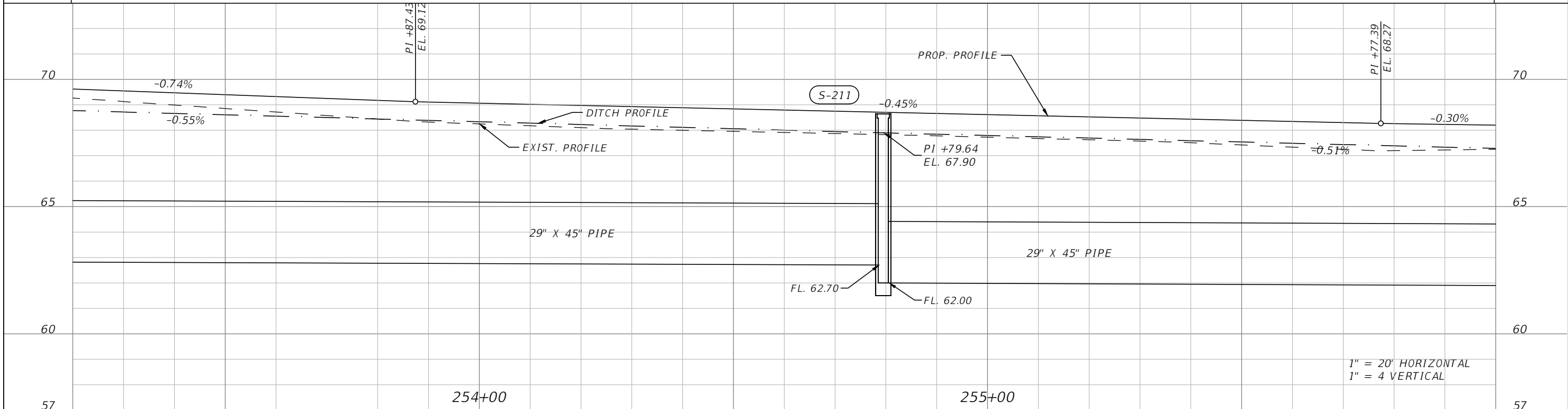
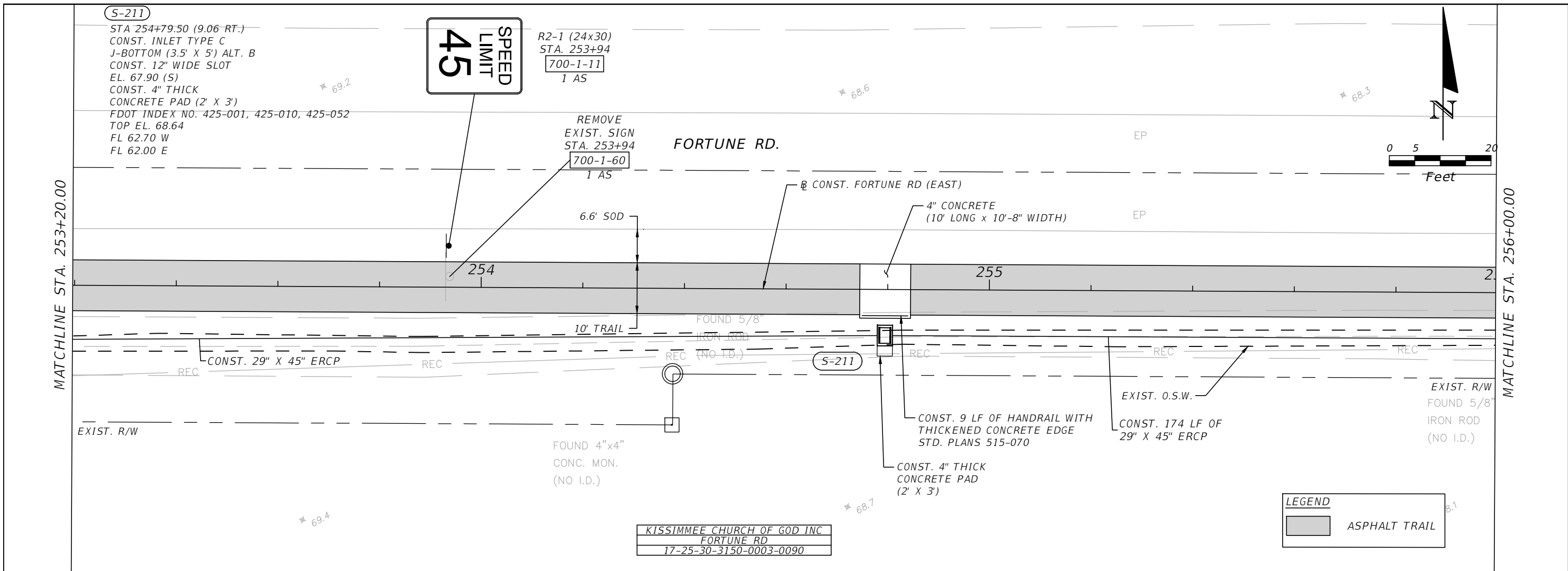


OSCEOLA COUNTY
 FLORIDA

FORTUNE ROAD (EAST) ROADWAY
 PLAN & PROFILE 19


SHEET NO.
 R-48

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

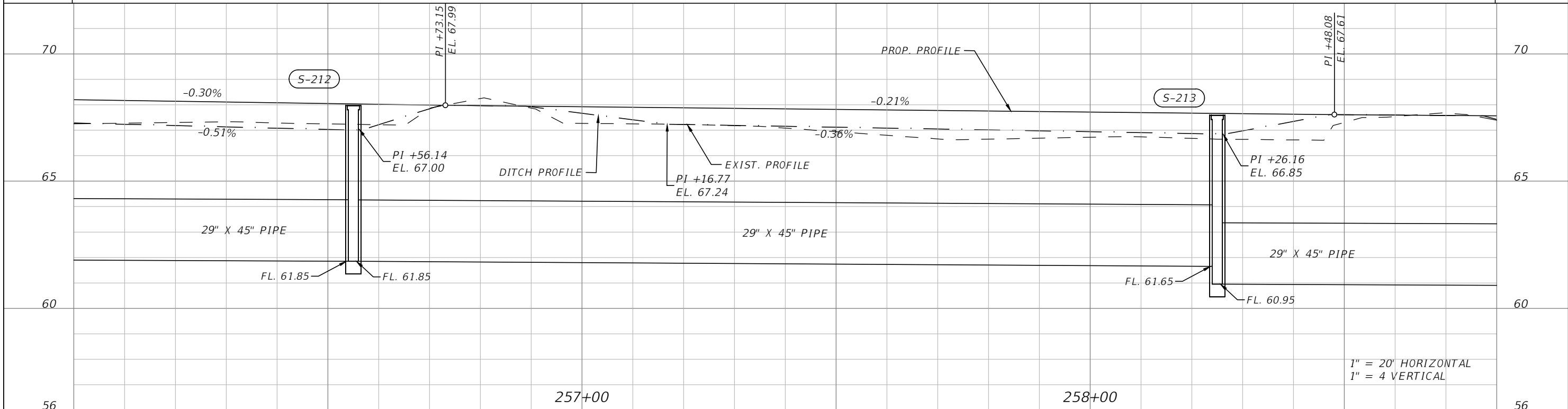
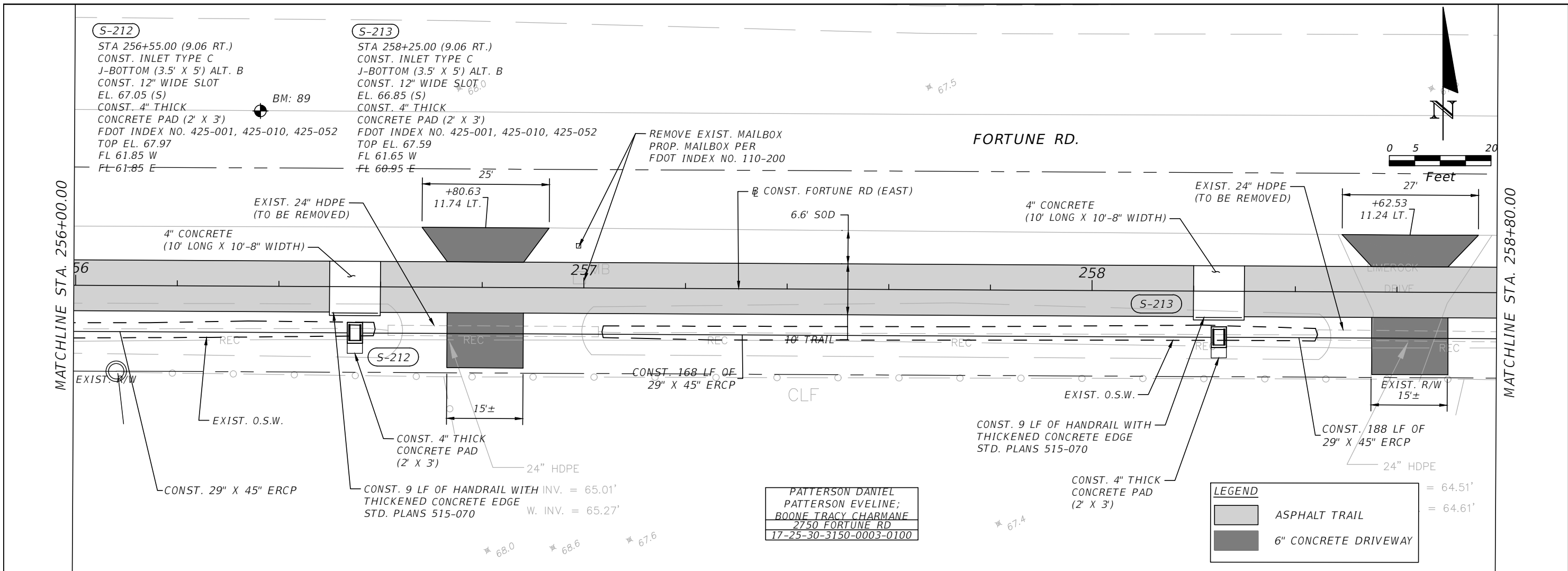

 Engineers | Scientists
 Planners | Designers
 225 E. Robinson Street, Suite 300
 Orlando, FL 32801 (407)839-4006
 Certificate of Authorization # 3932
 Mark F. Bertocini, P.E.
 PE # 63437


 OSCEOLA COUNTY
 FLORIDA

FORTUNE ROAD (EAST) ROADWAY
PLAN & PROFILE 20

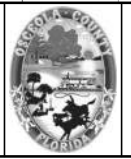
SHEET NO.
R-49

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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



**OSCEOLA COUNTY
 FLORIDA**

**FORTUNE ROAD (EAST) ROADWAY
 PLAN & PROFILE 21**

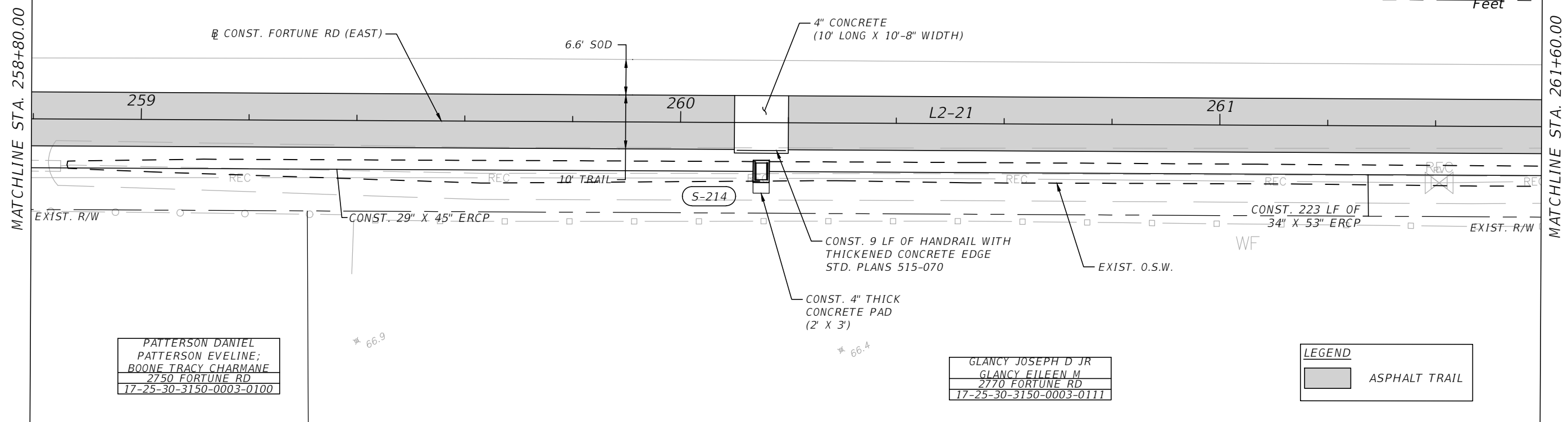
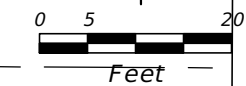
**SHEET
 NO.
 R-50**

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

S-214

STA 260+15.00 (9.04 RT.)
CONST. INLET TYPE C
J-BOTTOM (3.5' X 6') ALT. B
CONST. 12" WIDE SLOT
EL. 65.99 (S)
CONST. 4" THICK
CONCRETE PAD (2' X 3')
FDOT INDEX NO. 425-001, 425-010, 425-052
TOP EL. 67.28
FL 60.80 W
FL 60.20 E

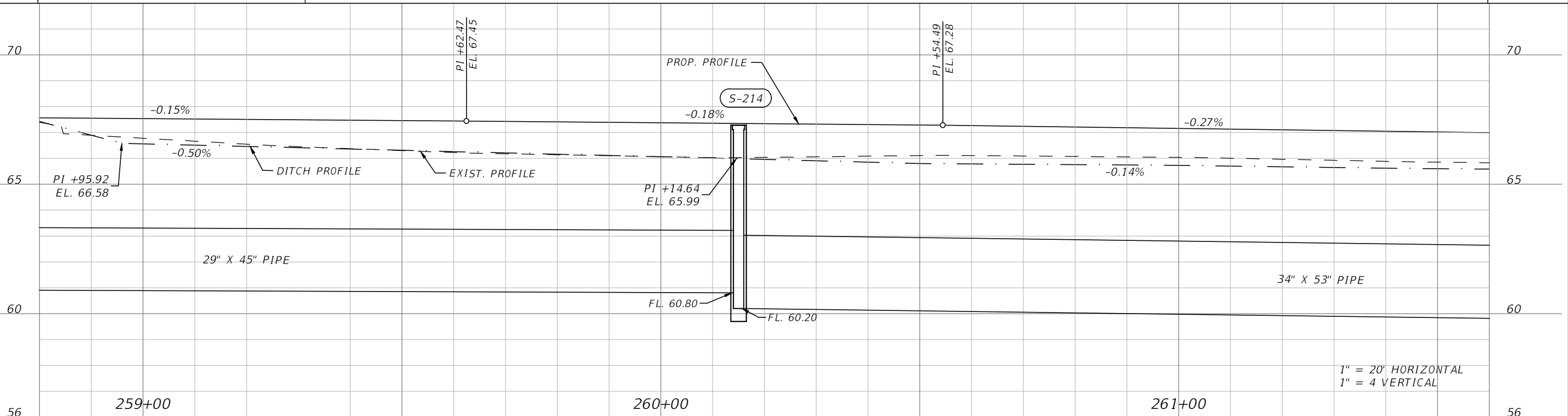
FORTUNE RD.



PATTERSON DANIEL
PATTERSON EVELINE;
BOONE TRACY CHARMANE
2750 FORTUNE RD
17-25-30-3150-0003-0100

GLANCY JOSEPH D JR
GLANCY EILEEN M
2770 FORTUNE RD
17-25-30-3150-0003-0111

LEGEND
[Grey Box] ASPHALT TRAIL



1" = 20' HORIZONTAL
1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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



OSCEOLA COUNTY
FLORIDA

FORTUNE ROAD (EAST) ROADWAY
PLAN & PROFILE 22

SHEET
NO.
R-51

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

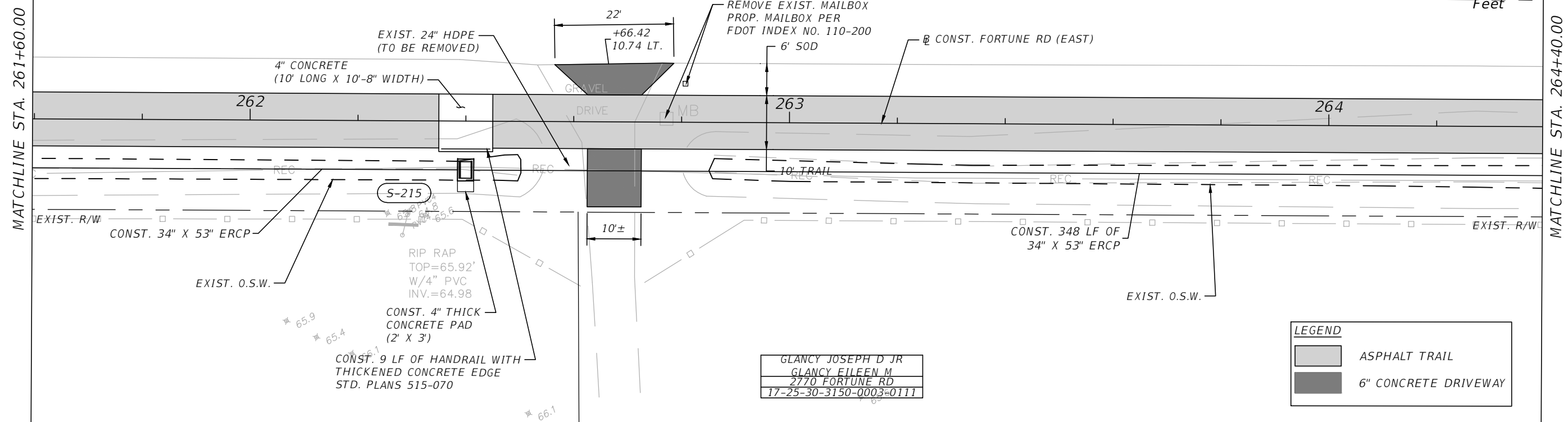
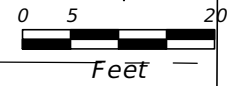
S-215

STA 262+40.00 (9.06 RT.)
CONST. INLET TYPE C
J-BOTTOM (3.5' X 6') ALT. B
CONST. 12" WIDE SLOT
EL. 65.48 (S)
CONST. 4" THICK
CONCRETE PAD (2' X 3')
FDOT INDEX NO. 425-001, 425-010, 425-052
TOP EL. 66.72
FL 59.60 W
FL 58.75 E

FORTUNE ROAD

FORTUNE RD.

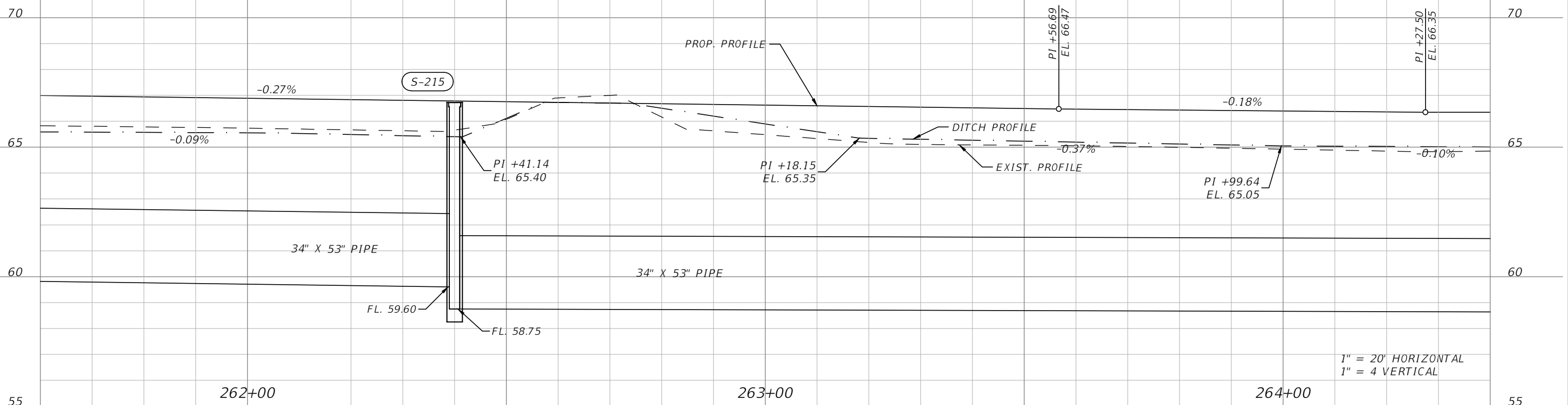
MAGNOLIA



LEGEND

- ASPHALT TRAIL
- 6" CONCRETE DRIVEWAY

GLANCY JOSEPH D JR
GLANCY EILEEN M
2770 FORTUNE RD
17-25-30-3150-0003-0111



1" = 20' HORIZONTAL
1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

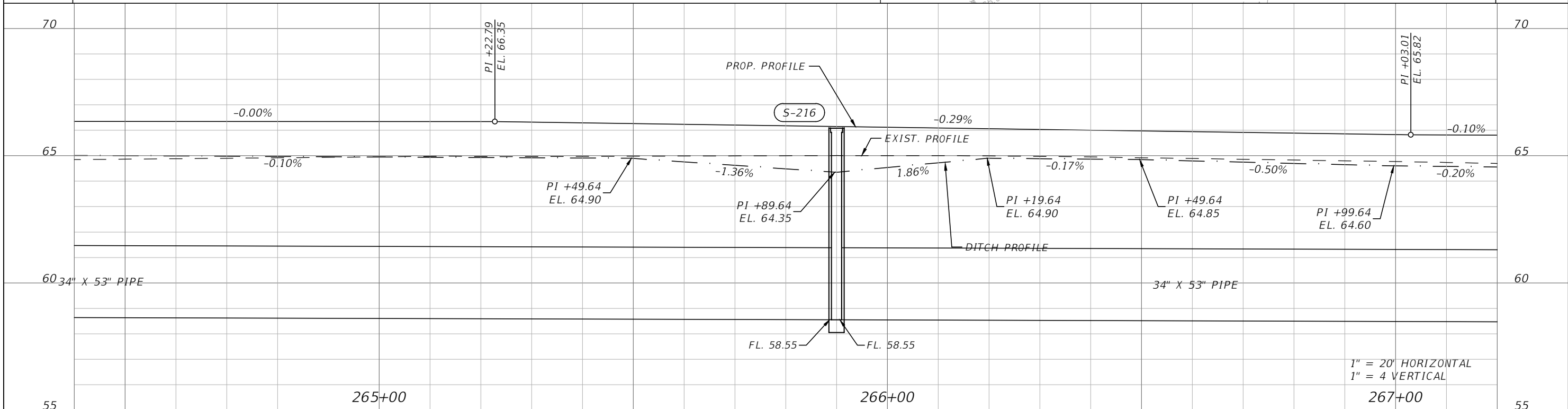
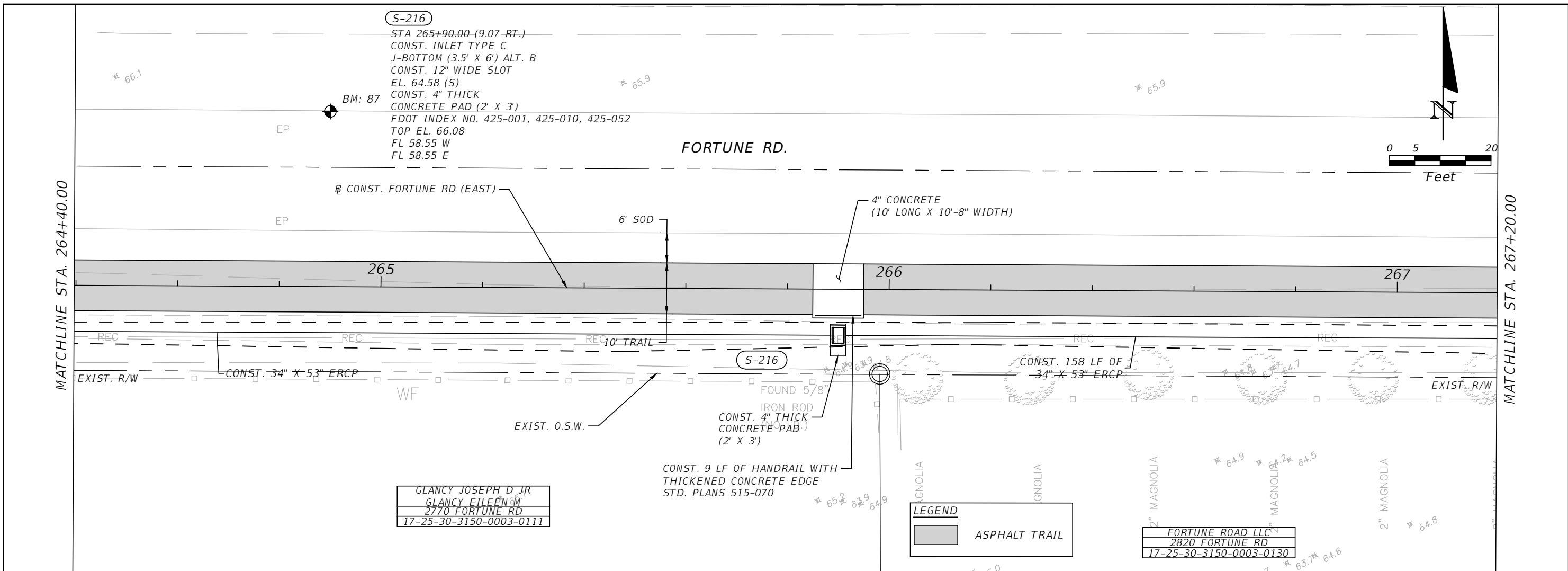


OSCEOLA COUNTY
FLORIDA

FORTUNE ROAD (EAST) ROADWAY
PLAN & PROFILE 23

SHEET NO.
R-52

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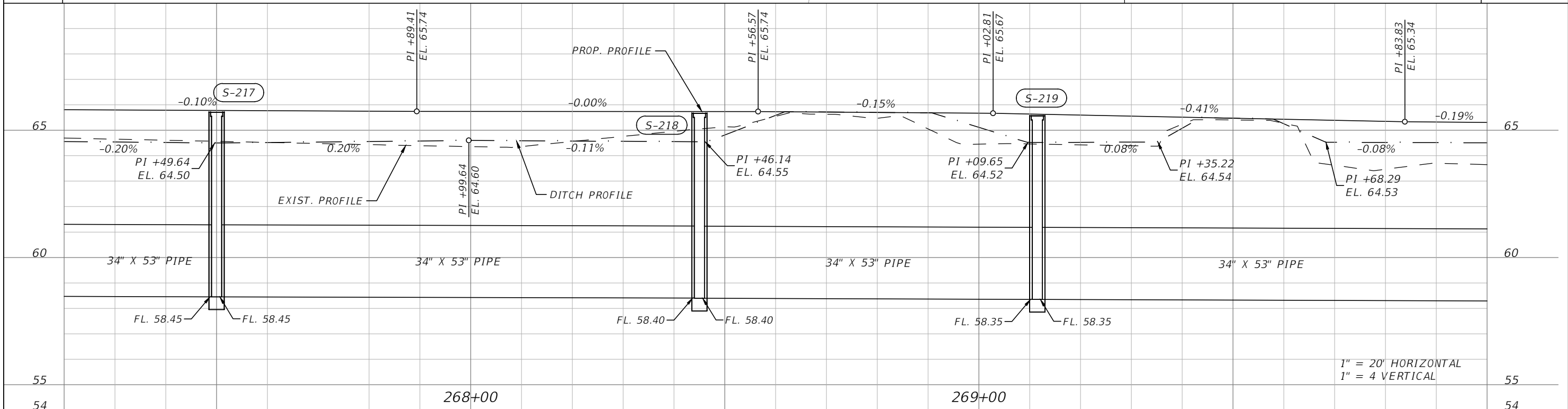
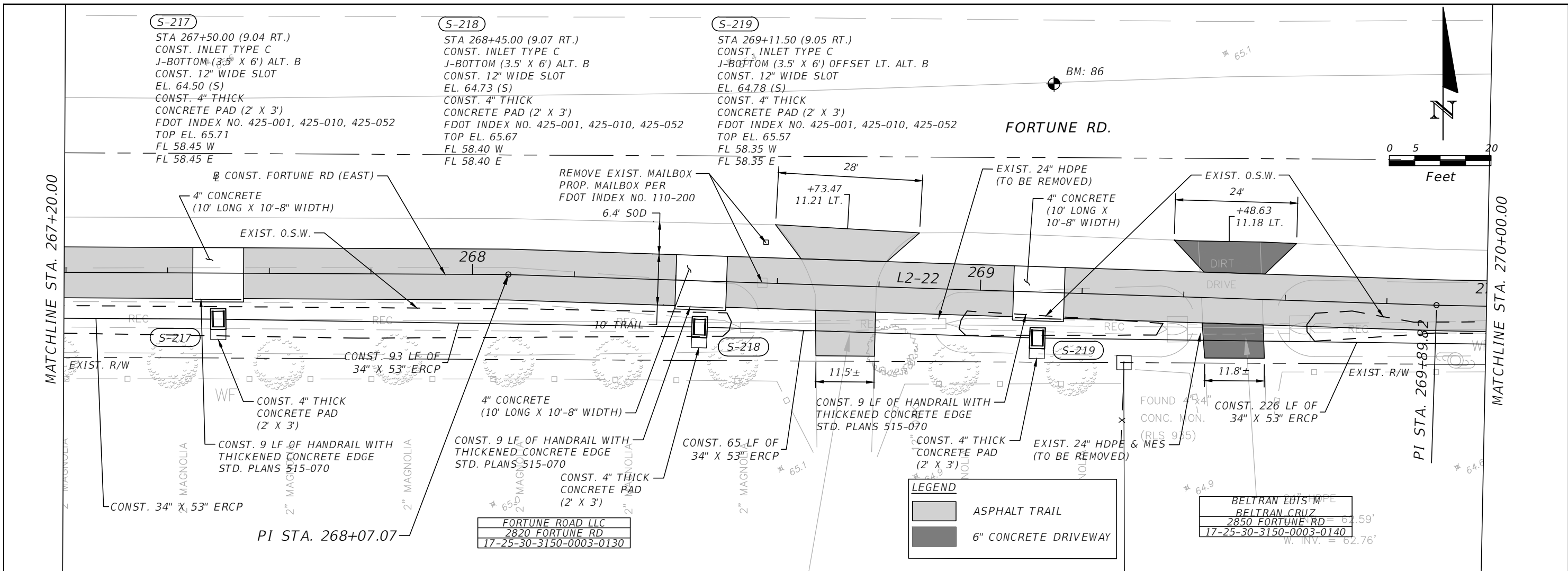


OSCEOLA COUNTY
 FLORIDA

**FORTUNE ROAD (EAST) ROADWAY
 PLAN & PROFILE 24**

SHEET
 NO.
R-53

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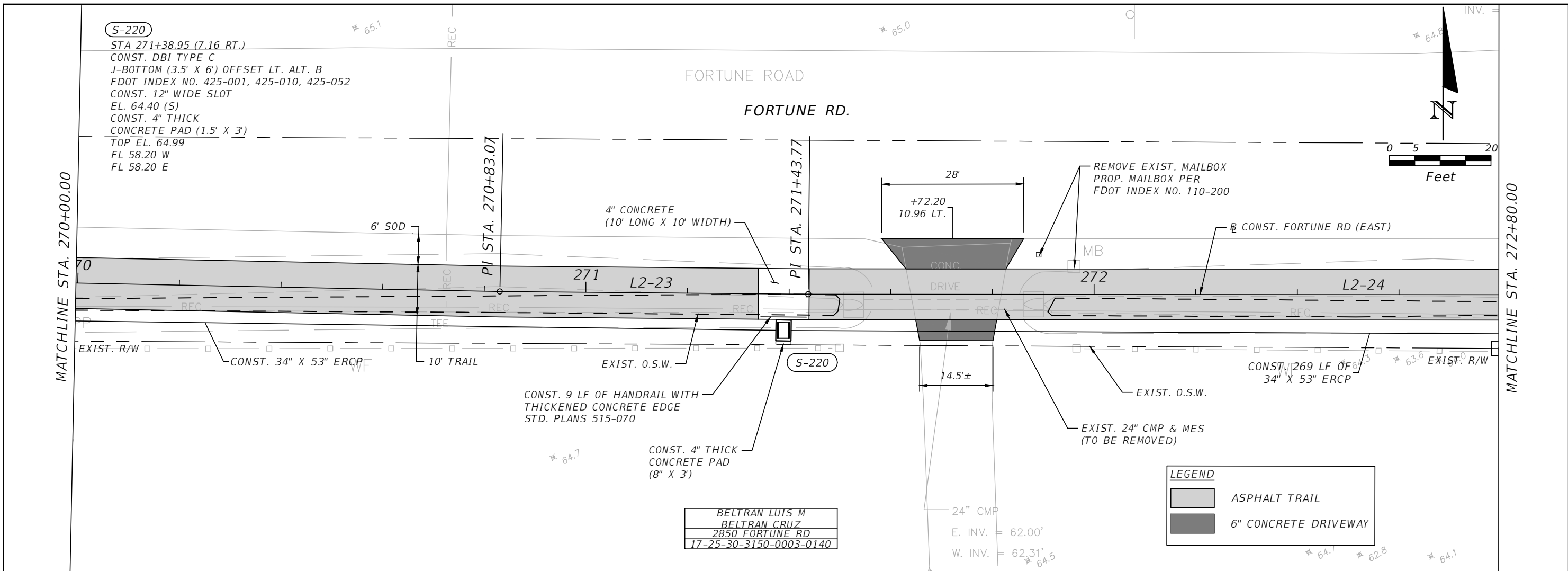
**OSCEOLA COUNTY
FLORIDA**

**FORTUNE ROAD (EAST) ROADWAY
PLAN & PROFILE 25**

SHEET NO.
R-54

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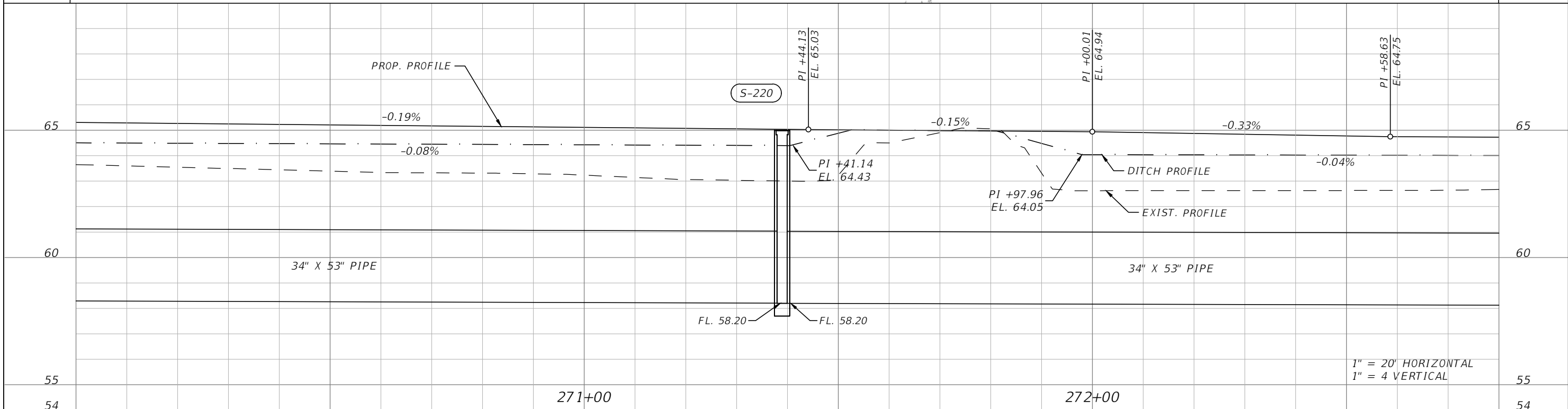
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BELTRAN LUIS M
 BELTRAN CRUZ
 2850 FORTUNE RD
 17-25-30-3150-0003-0140

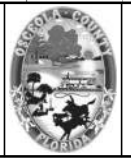
LEGEND

- ASPHALT TRAIL
- 6" CONCRETE DRIVEWAY



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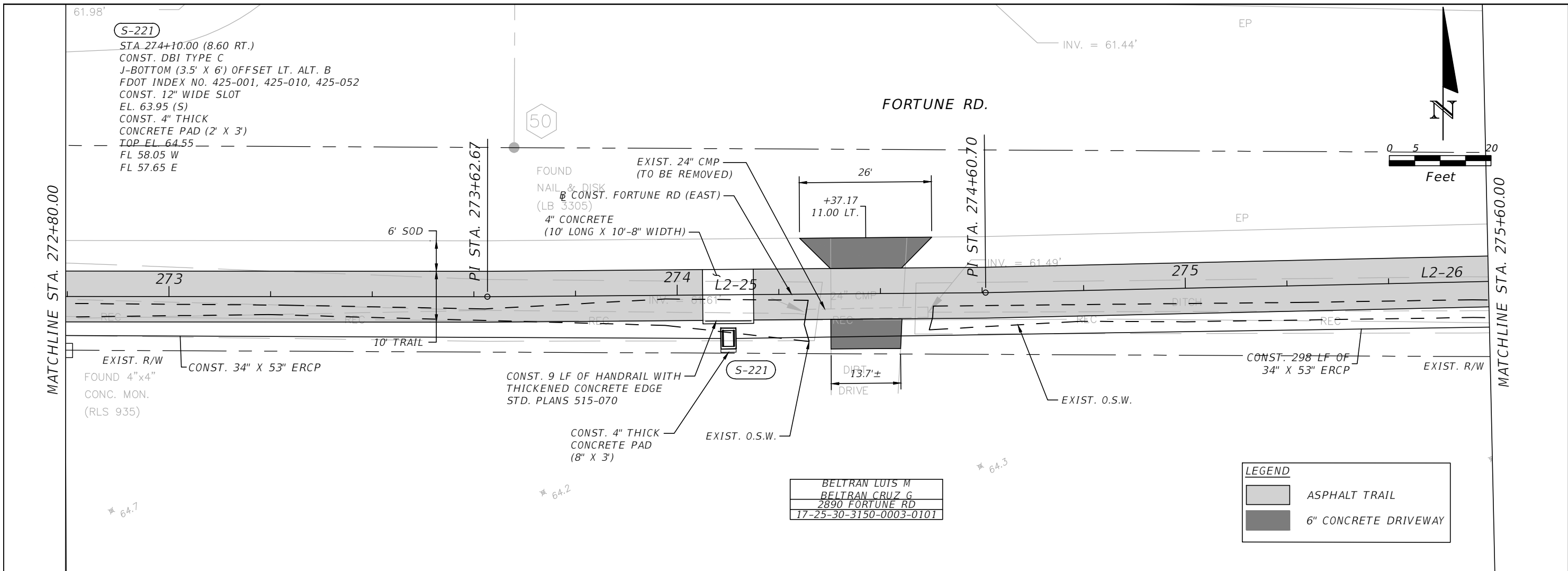


OSCEOLA COUNTY
 FLORIDA

FORTUNE ROAD (EAST) ROADWAY
 PLAN & PROFILE 26

SHEET NO.
 R-55

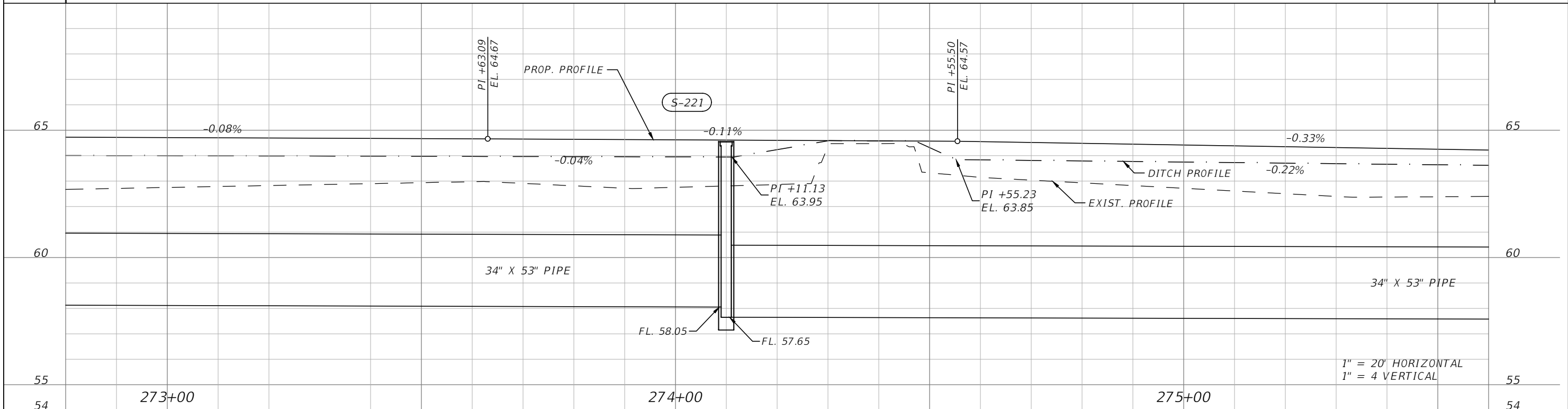
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BELTRAN LUIS M
 BELTRAN CRUZ G
 2890 FORTUNE RD
 17-25-30-3150-0003-0101

LEGEND

- ASPHALT TRAIL
- 6" CONCRETE DRIVEWAY



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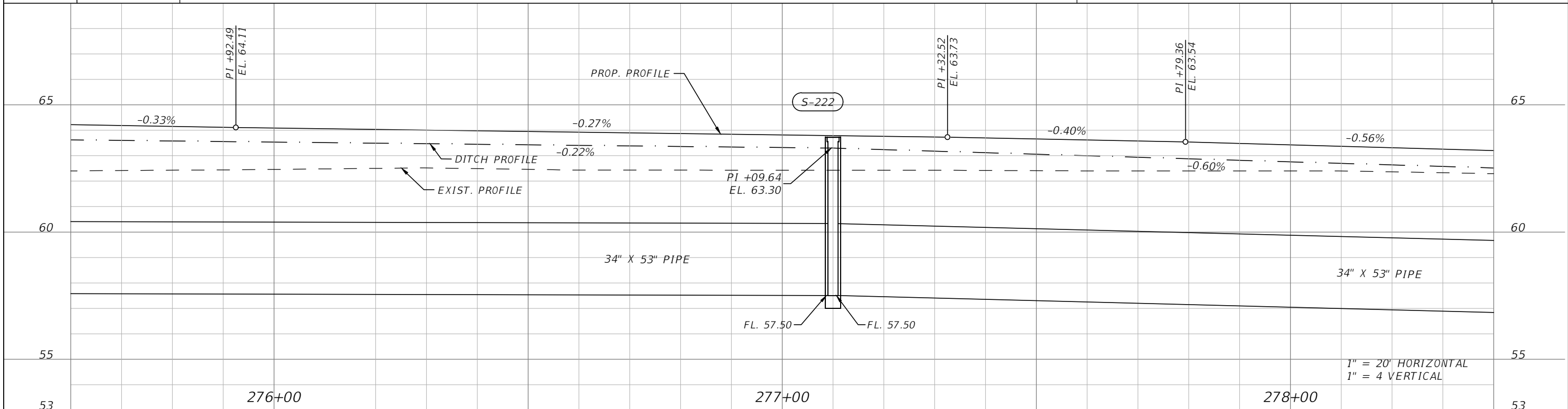
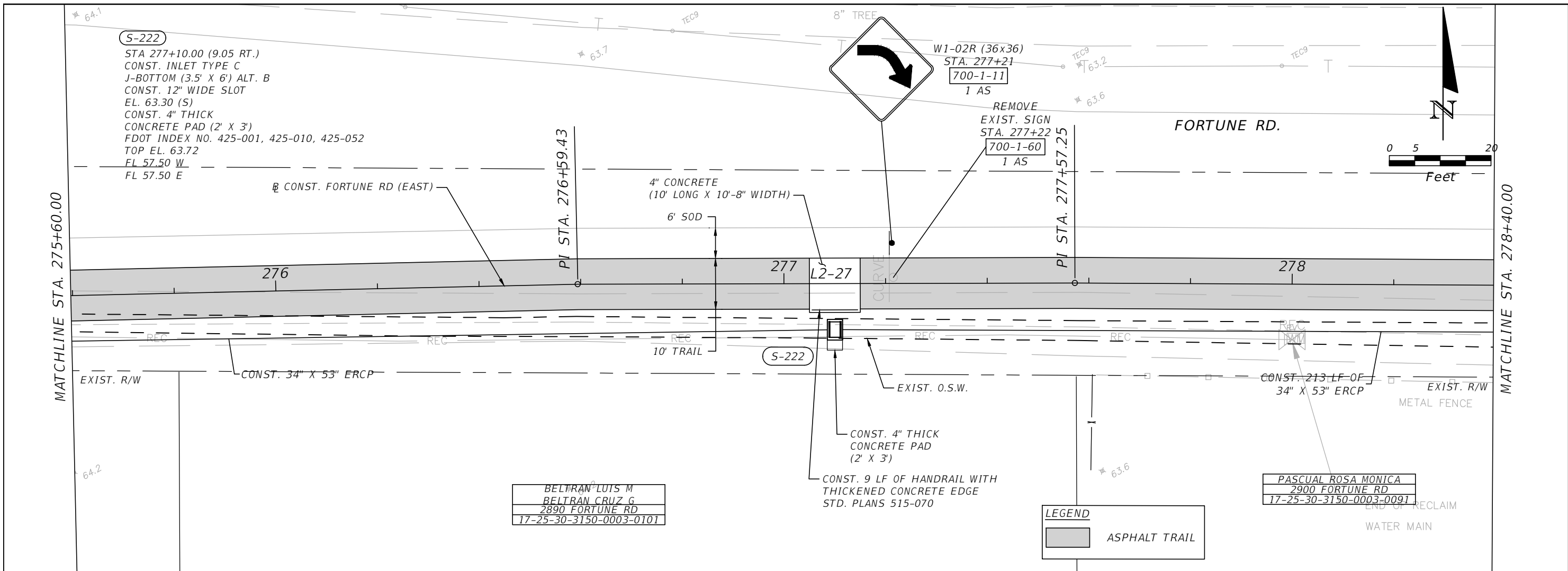


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FORTUNE ROAD (EAST) ROADWAY
 PLAN & PROFILE 27

SHEET NO.
 R-56

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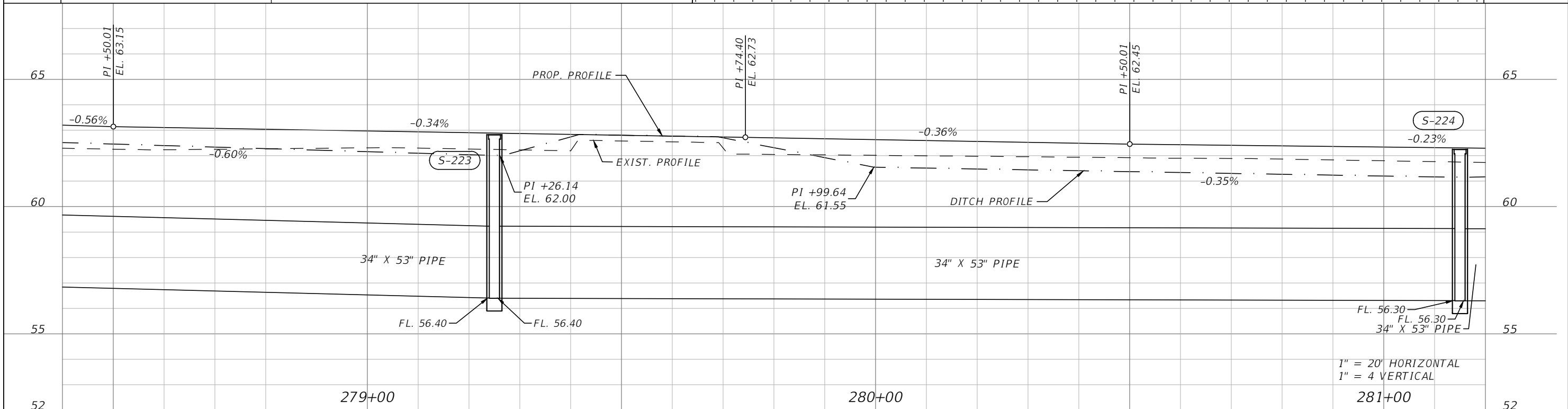
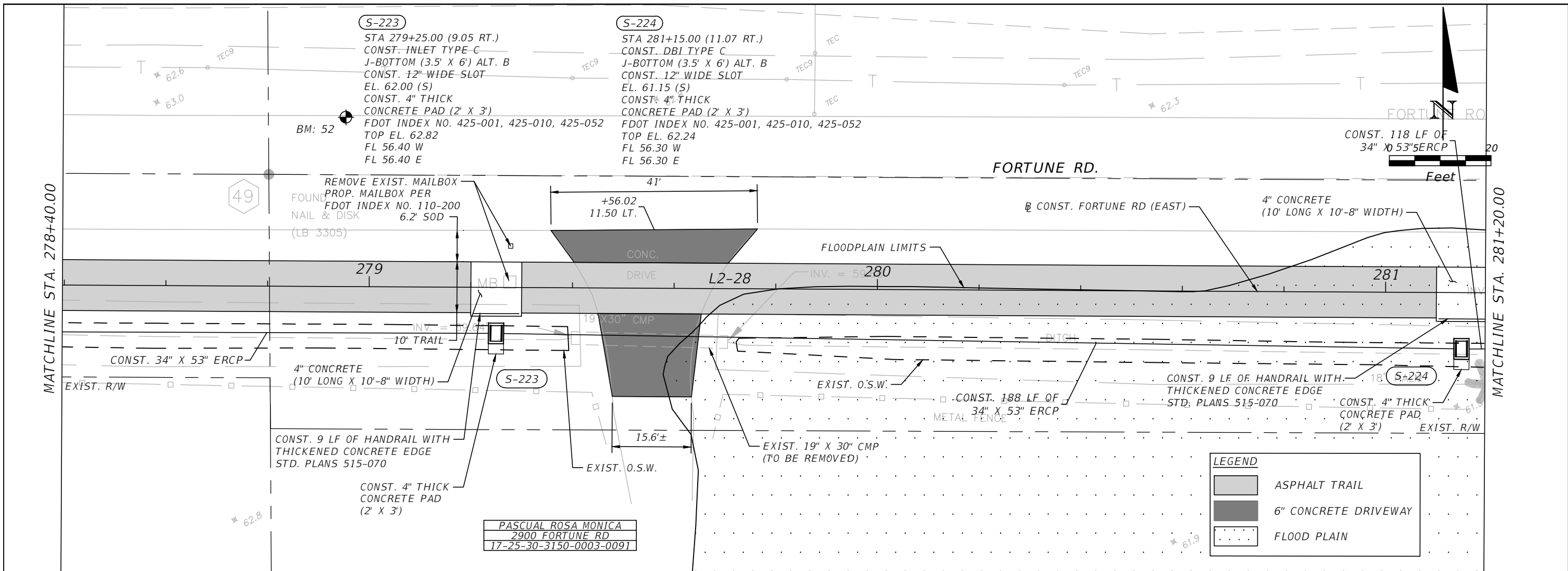
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PE # 63437

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**FORTUNE ROAD (EAST) ROADWAY
PLAN & PROFILE 28**

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R-57

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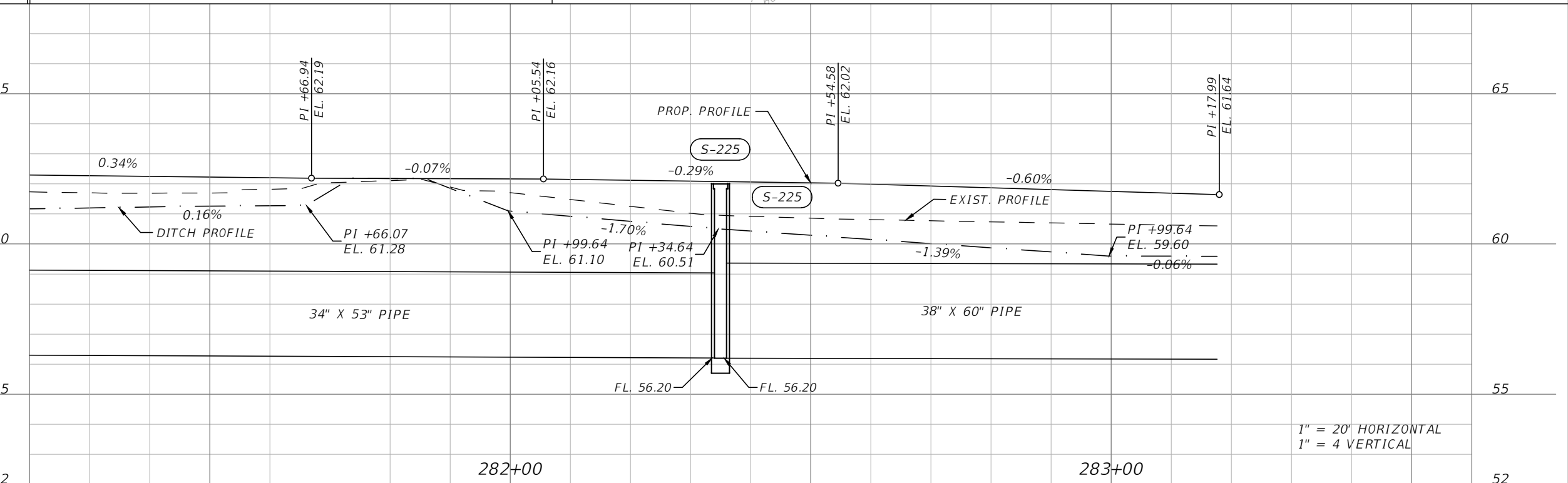
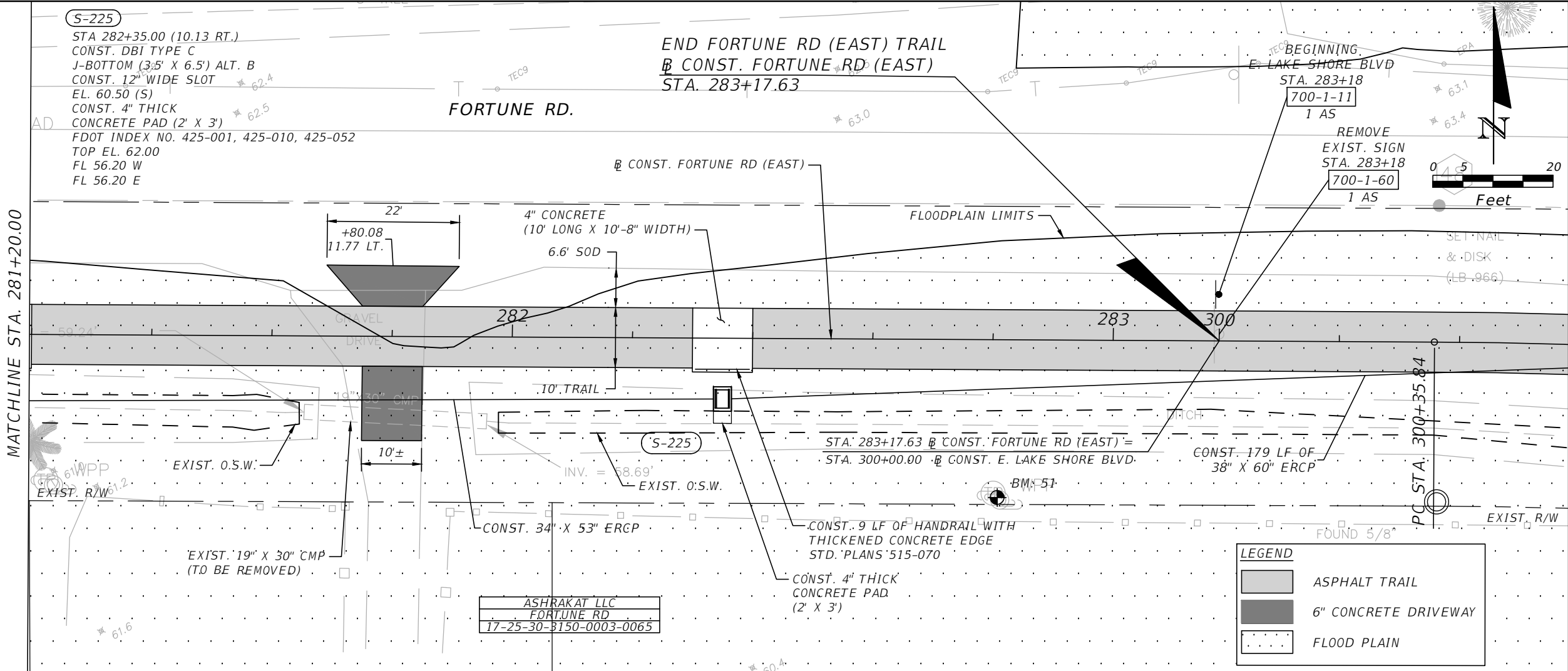


OSCEOLA COUNTY
 FLORIDA

**FORTUNE ROAD (EAST) ROADWAY
 PLAN & PROFILE 29**

SHEET
 NO.
R-58

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LEGEND	
	ASPHALT TRAIL
	6" CONCRETE DRIVEWAY
	FLOOD PLAIN

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

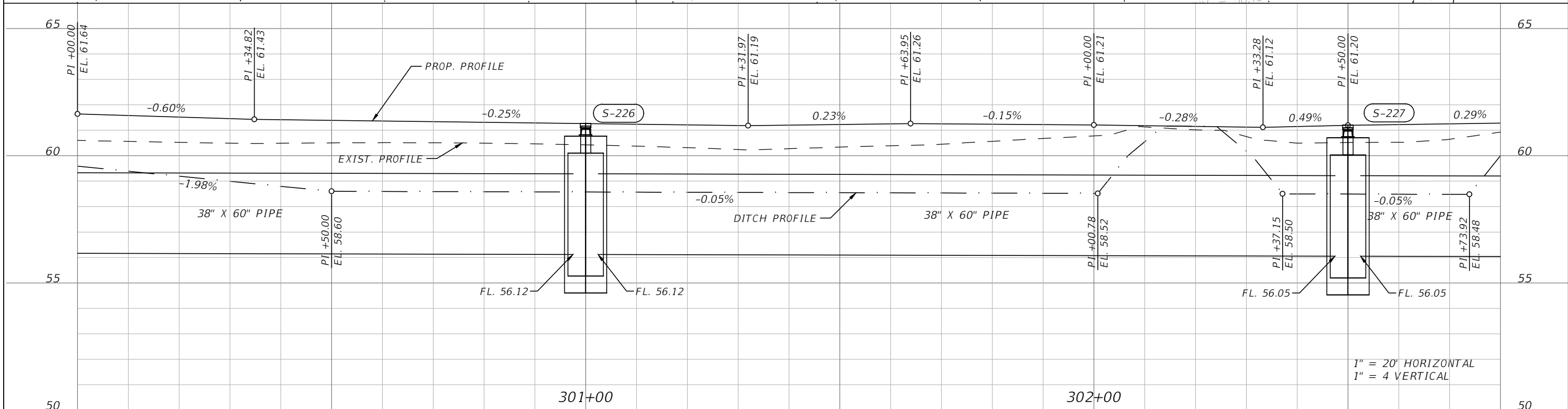
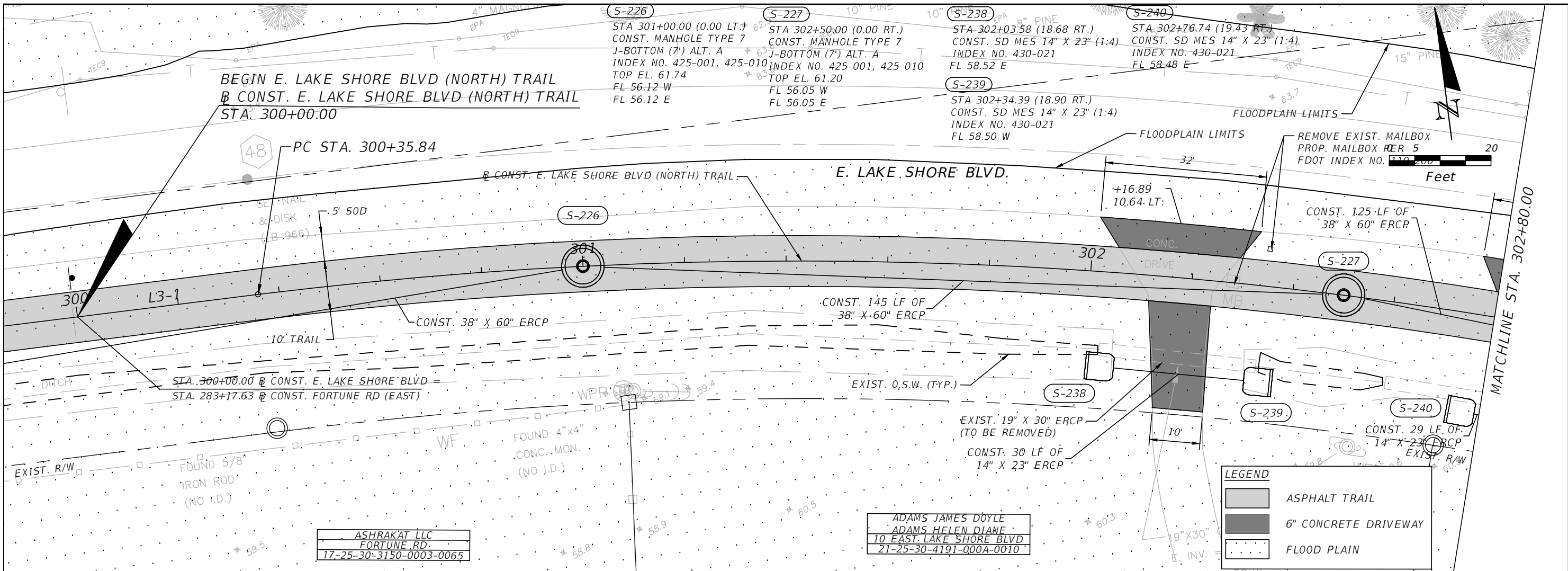
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 PE # 63437

OSCEOLA COUNTY
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FORTUNE ROAD (EAST) ROADWAY
PLAN & PROFILE 30

SHEET NO.	R-59
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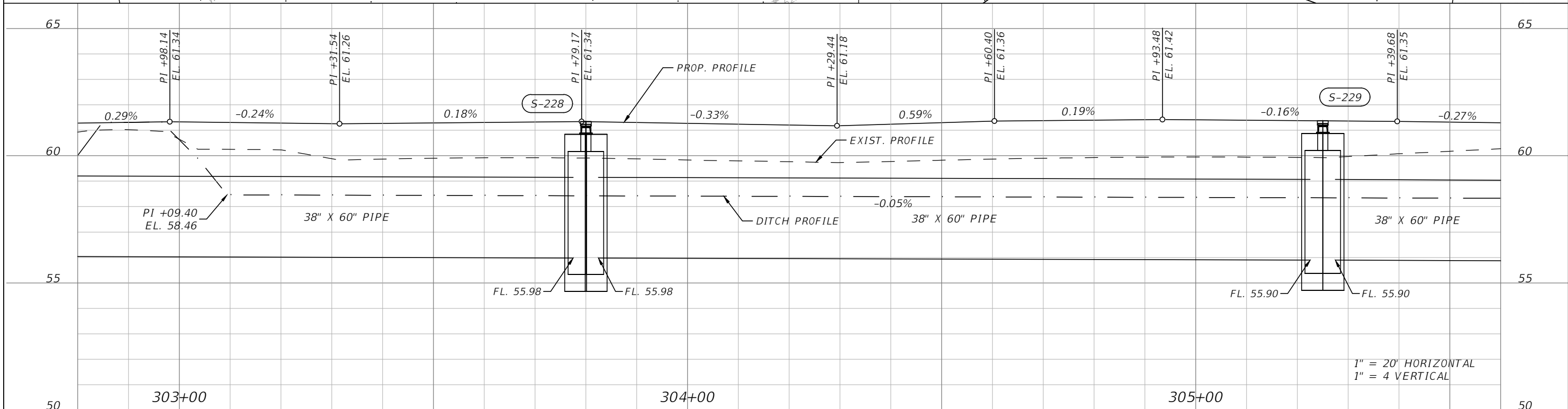
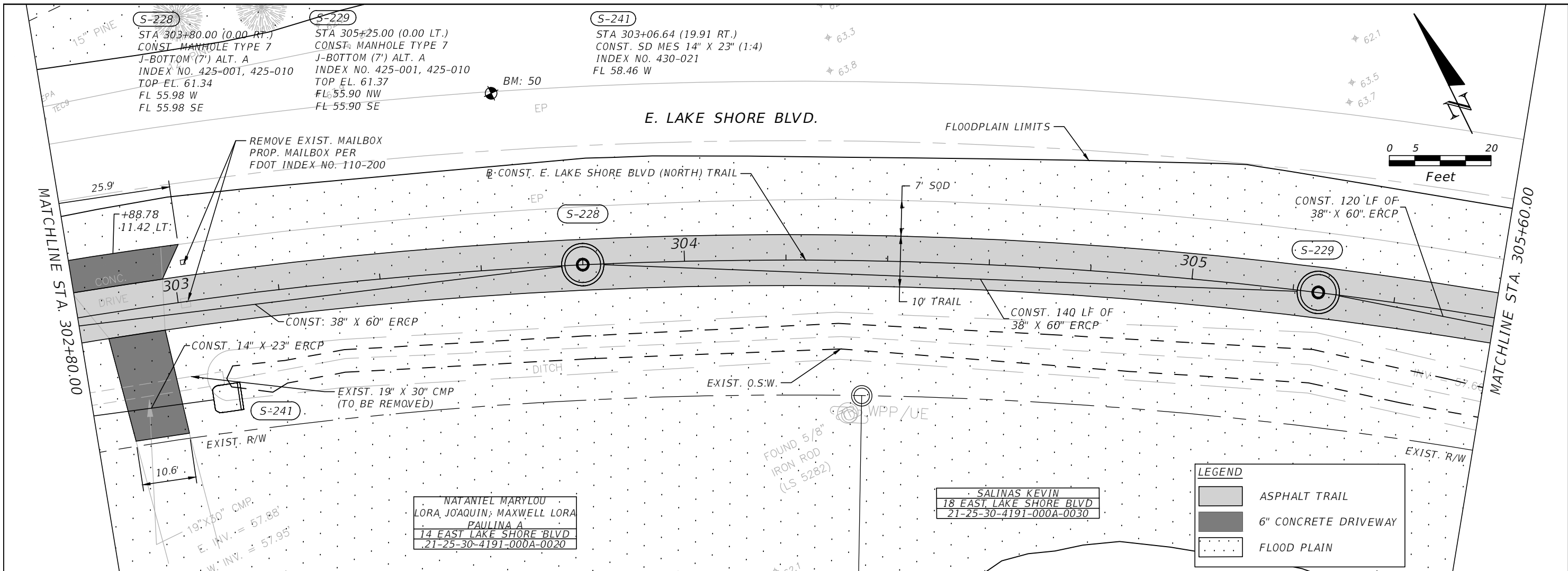

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 PE # 63437


 OSCEOLA COUNTY
 FLORIDA

**EAST LAKE SHORE BLVD (NORTH)
 ROADWAY PLAN & PROFILE 1**

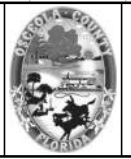
SHEET NO.
R-60

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PE # 63437

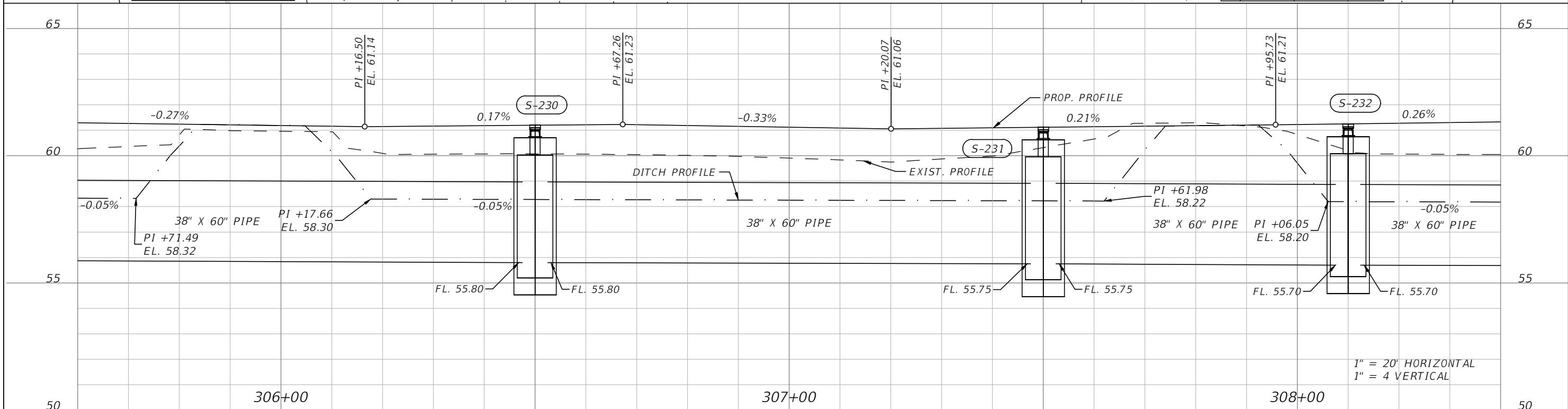
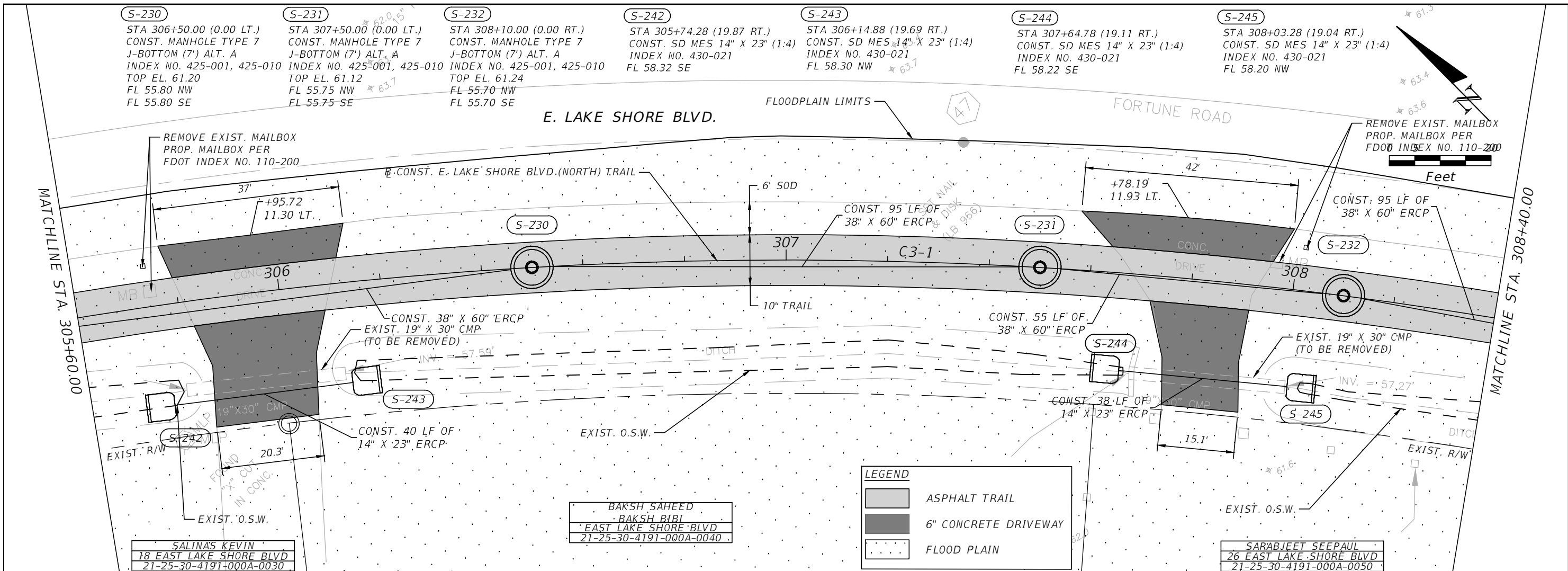


OSCEOLA COUNTY
FLORIDA

EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 2

SHEET NO.
R-61

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 PE # 63437

**OSCEOLA COUNTY
 FLORIDA**

**EAST LAKE SHORE BLVD (NORTH)
 ROADWAY PLAN & PROFILE 3**

SHEET NO.
R-62

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S-233
 STA 309+10.00 (0.00 RT.)
 CONST. MANHOLE TYPE 7
 J-BOTTOM (7') ALT. A
 INDEX NO. 425-001, 425-010
 TOP EL. 61.21
 FL 55.65 NW
 FL 55.65 SE

S-234
 STA 310+10.00 (0.00 LT.)
 CONST. MANHOLE TYPE 7
 J-BOTTOM (7') ALT. A
 INDEX NO. 425-001, 425-010
 TOP EL. 61.11
 FL 55.60 NW
 FL 55.60 S

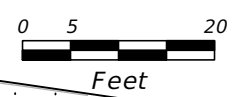
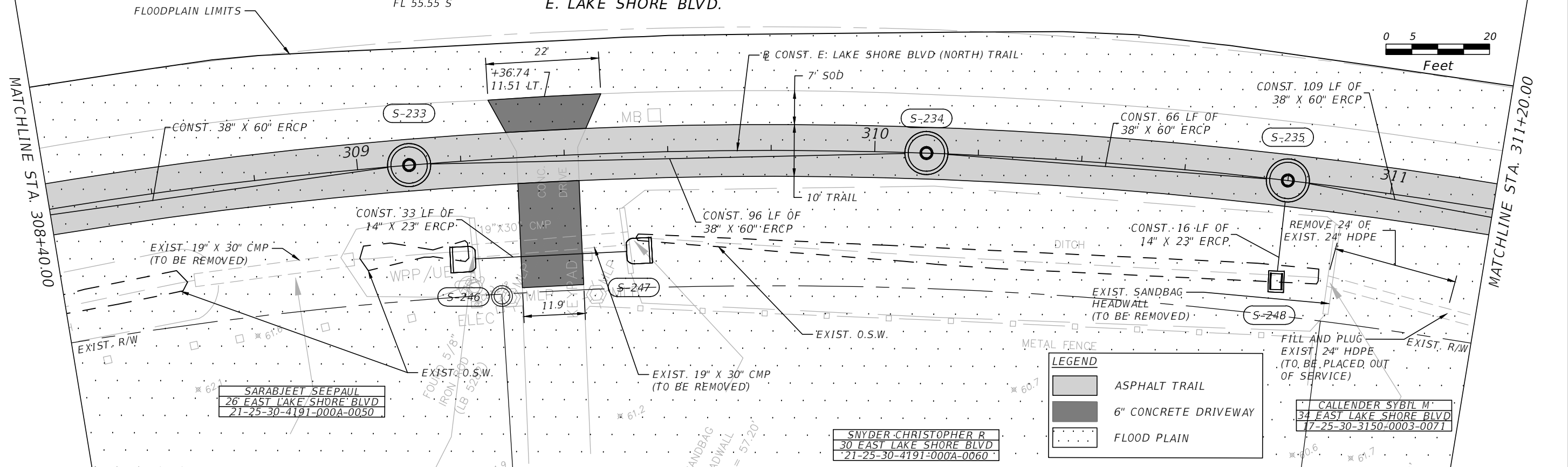
S-235
 STA 310+80.00 (0.00 LT.)
 CONST. MANHOLE TYPE 7
 J-BOTTOM (7') ALT. A
 INDEX NO. 425-001, 425-010
 TOP EL. 61.20
 FL 55.55 N
 FL 55.55 W
 FL 55.55 S

S-246
 STA 309+19.38 (18.96 RT.)
 CONST. SD MES 14" X 23" (1:4)
 INDEX NO. 430-021
 FL 58.14 SE

S-247
 STA 309+53.63 (19.01 RT.)
 CONST. SD MES 14" X 23" (1:4)
 INDEX NO. 430-021
 FL 58.12 NW

S-248
 STA 310+80.00 (19.66 RT.)
 CONST. DBI TYPE C
 J-BOTTOM (4' X 4') ALT. B
 FDOT INDEX NO. 425-001, 425-010, 425-052
 TOP EL. 58.05
 FL 55.60 E

E. LAKE SHORE BLVD.



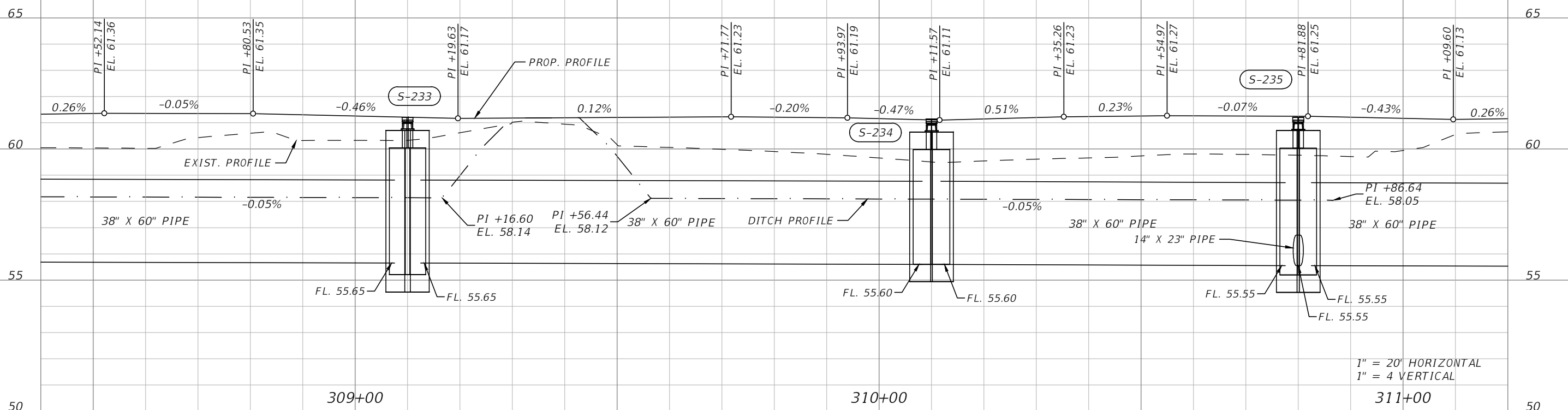
LEGEND

	ASPHALT TRAIL
	6" CONCRETE DRIVEWAY
	FLOOD PLAIN

SARABJEET SEEPAUL
 26 EAST LAKE SHORE BLVD
 21-25-30-4191-000A-0050

SNYDER CHRISTOPHER R.
 30 EAST LAKE SHORE BLVD
 21-25-30-4191-000A-0060

CALLENDER SYBIL M.
 34 EAST LAKE SHORE BLVD
 17-25-30-3150-0003-0071



1" = 20' HORIZONTAL
 1" = 4' VERTICAL

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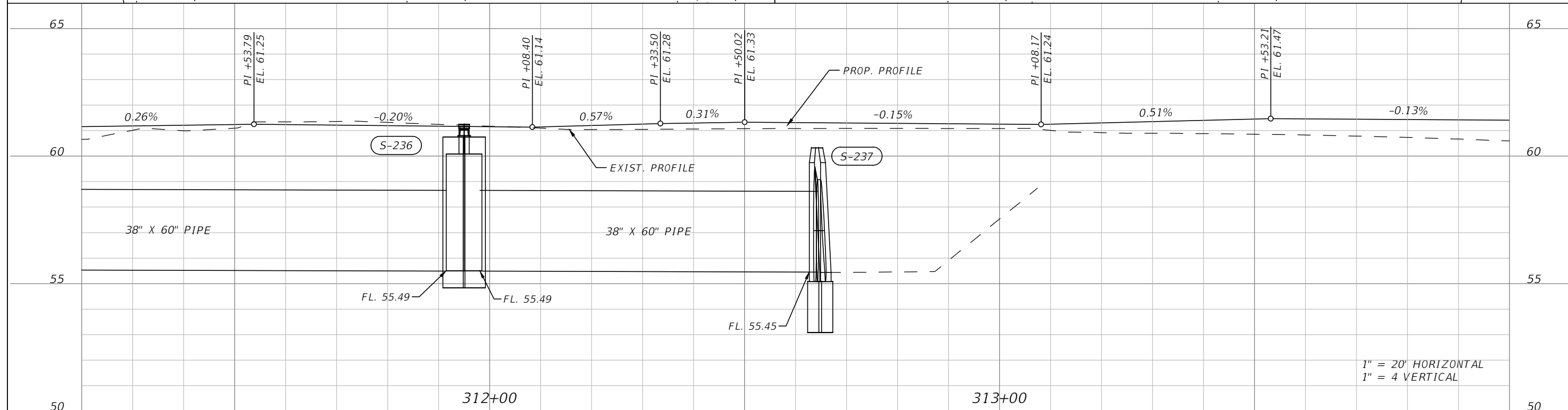
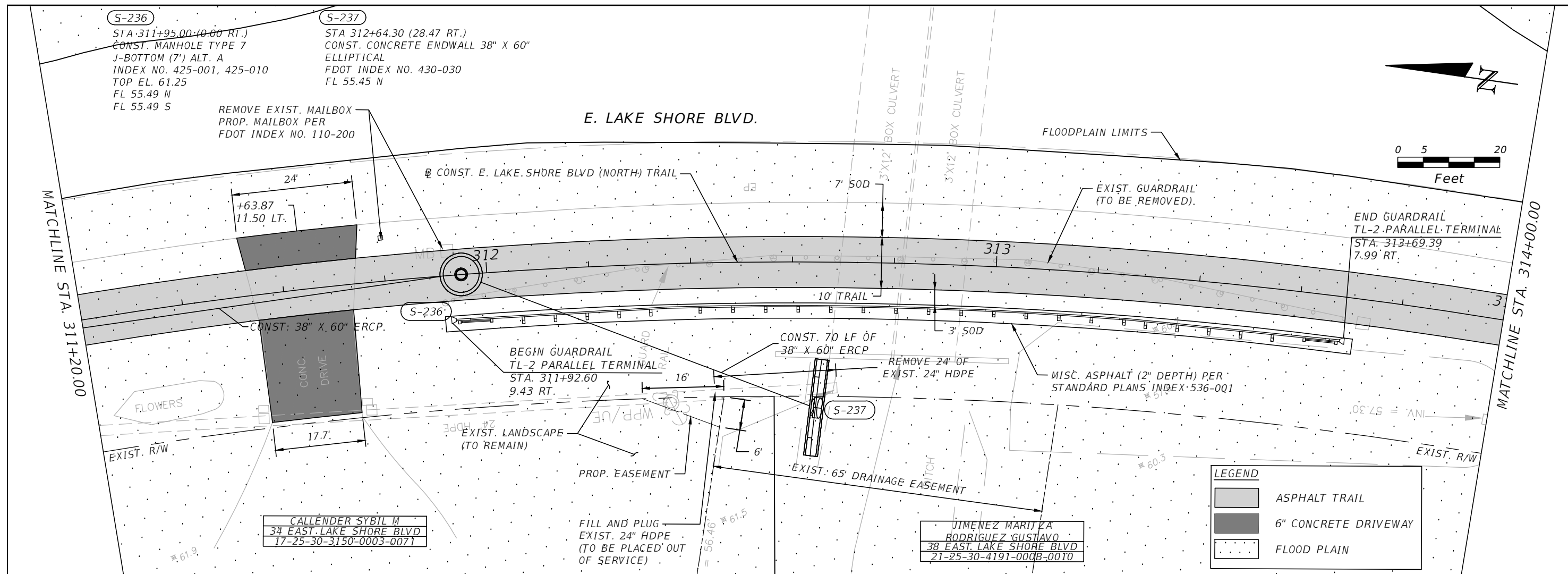


OSCEOLA COUNTY
 FLORIDA

EAST LAKE SHORE BLVD (NORTH)
 ROADWAY PLAN & PROFILE 4

SHEET
 NO.
 R-63

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 PE # 63437

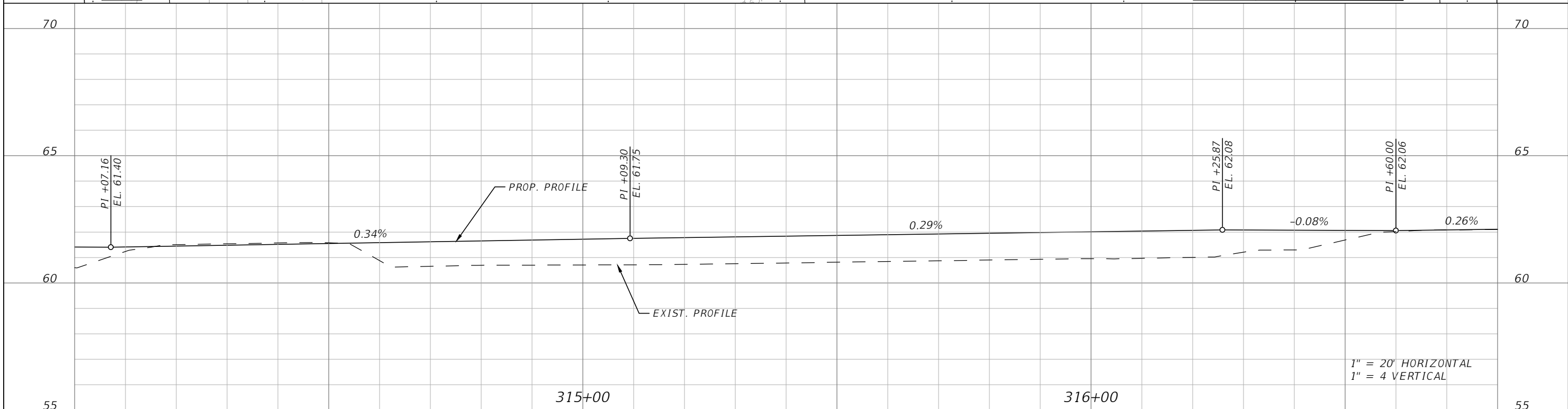
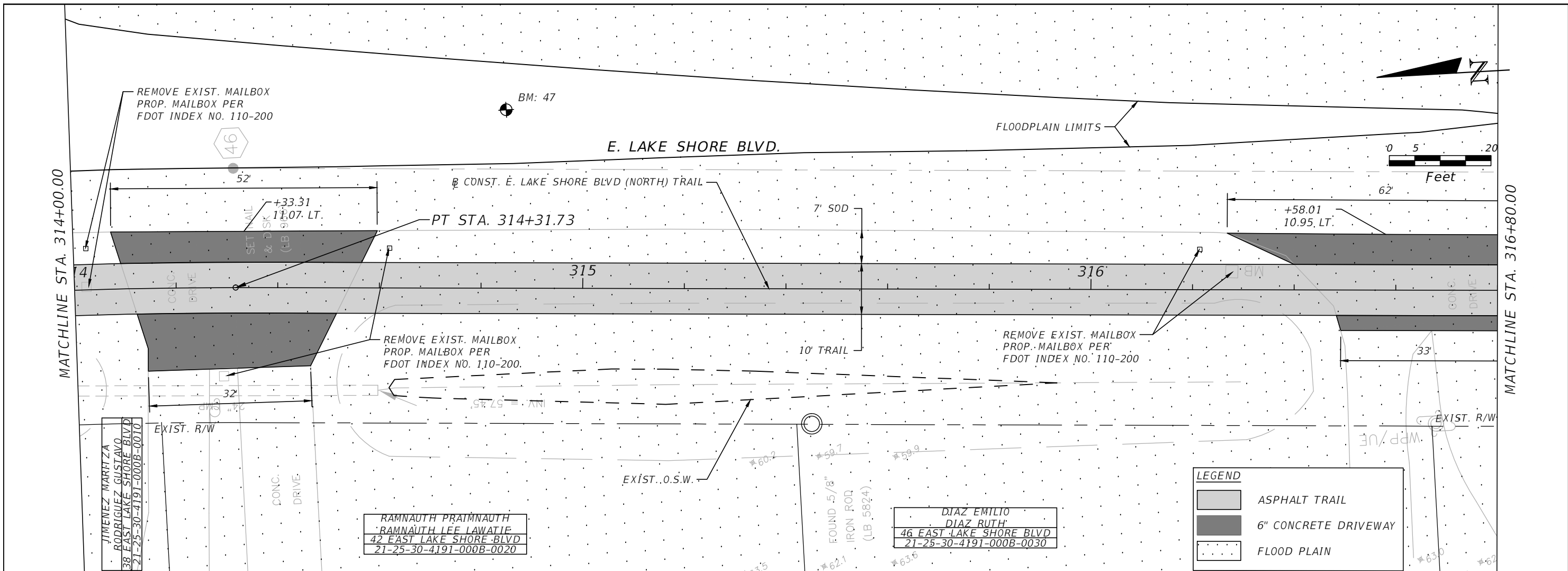


OSCEOLA COUNTY
 FLORIDA

EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 5

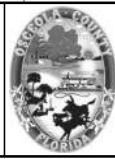
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 NO.
R-64

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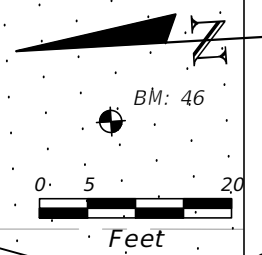


OSCEOLA COUNTY
 FLORIDA

**EAST LAKE SHORE BLVD (NORTH)
 ROADWAY PLAN & PROFILE 6**

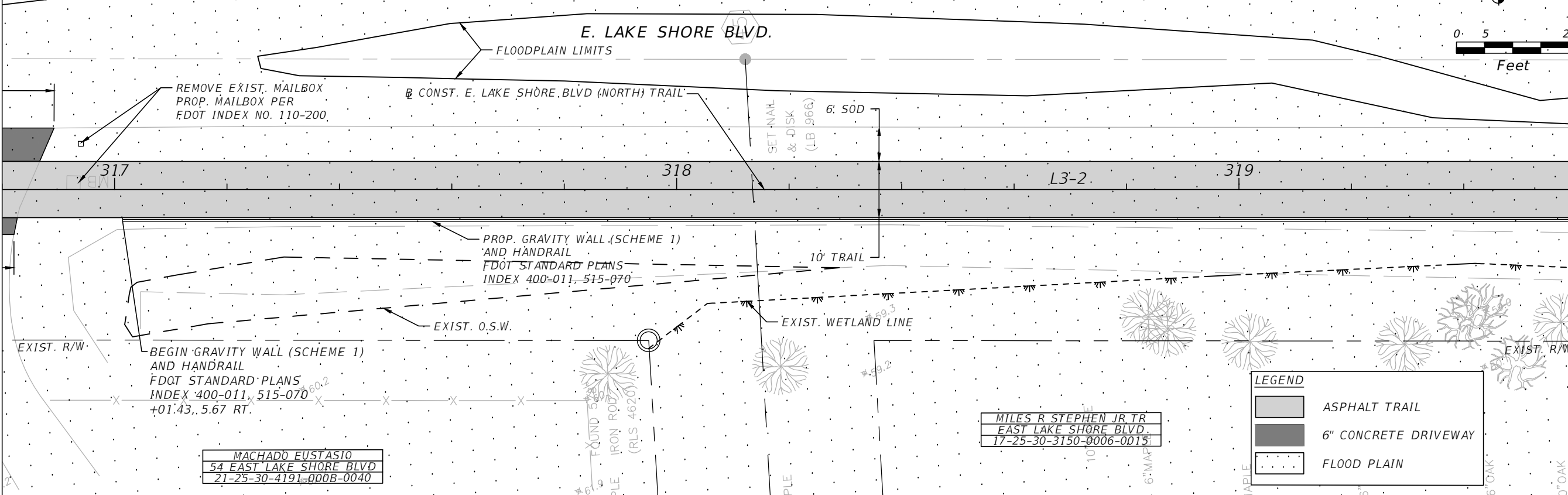
SHEET NO.
 R-65

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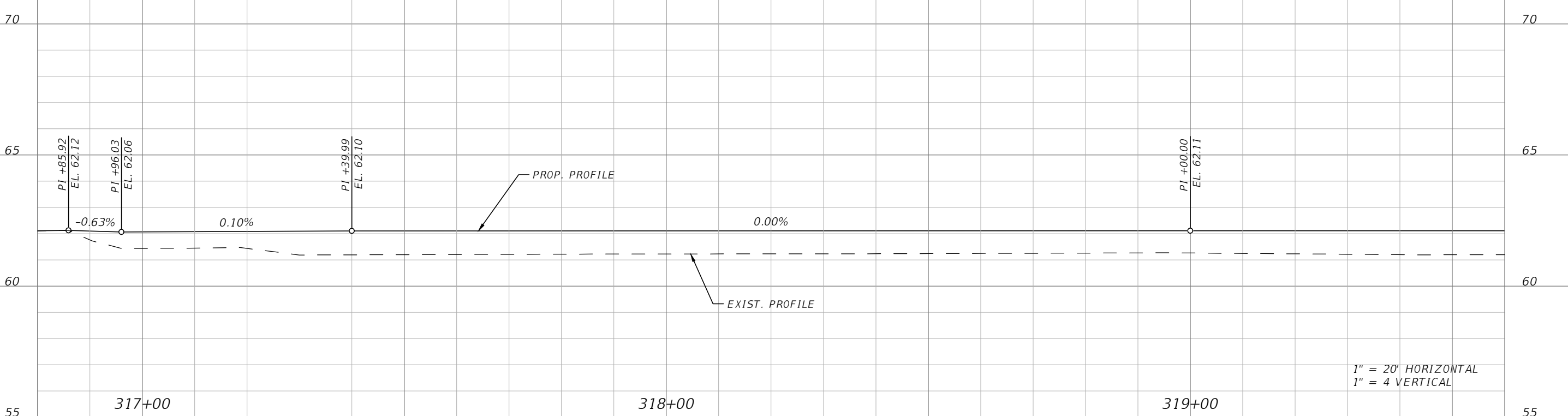


MATCHLINE STA. 316+80.00

MATCHLINE STA. 319+60.00



LEGEND	
	ASPHALT TRAIL
	6" CONCRETE DRIVEWAY
	FLOOD PLAIN



1" = 20' HORIZONTAL
1" = 4' VERTICAL

REVISIONS			
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PE # 63437

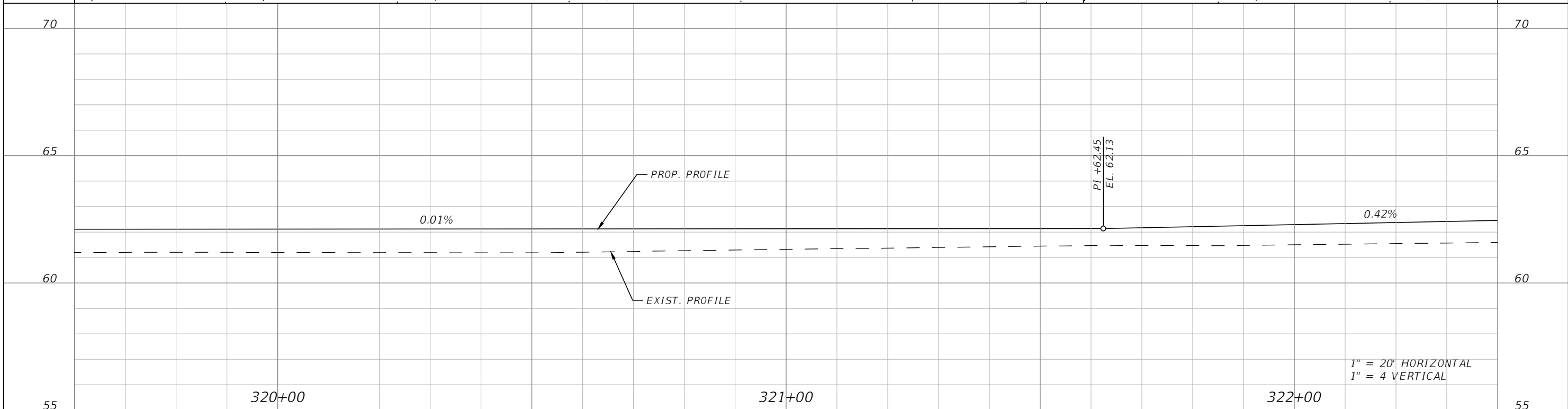
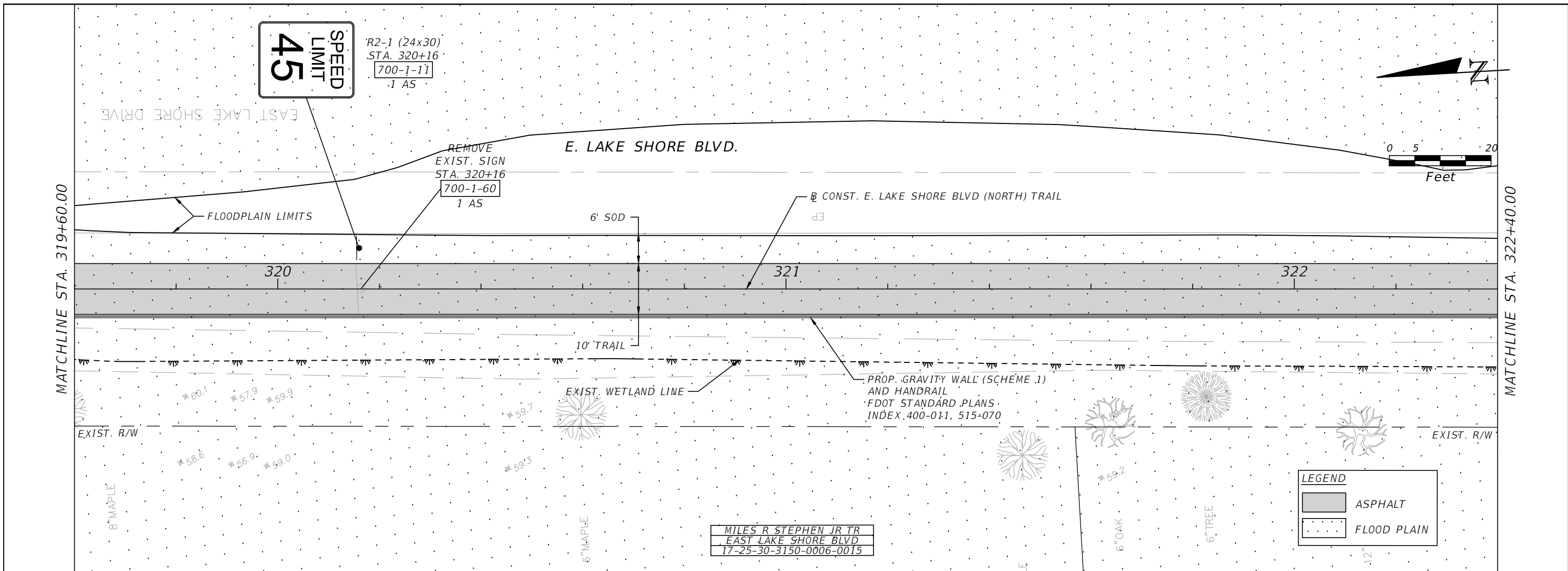


OSCEOLA COUNTY
FLORIDA

**EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 7**

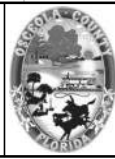
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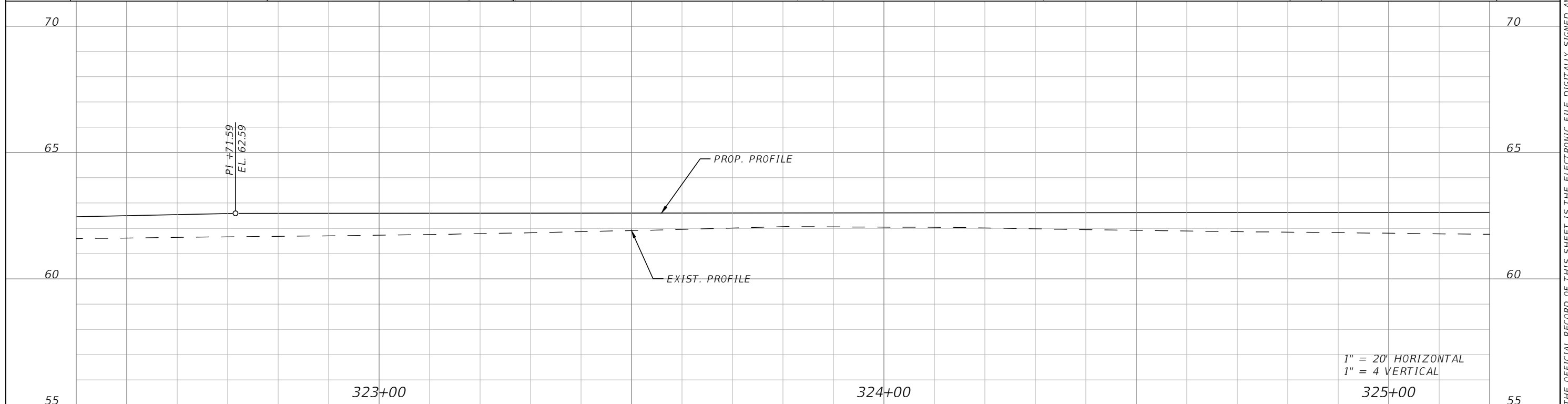
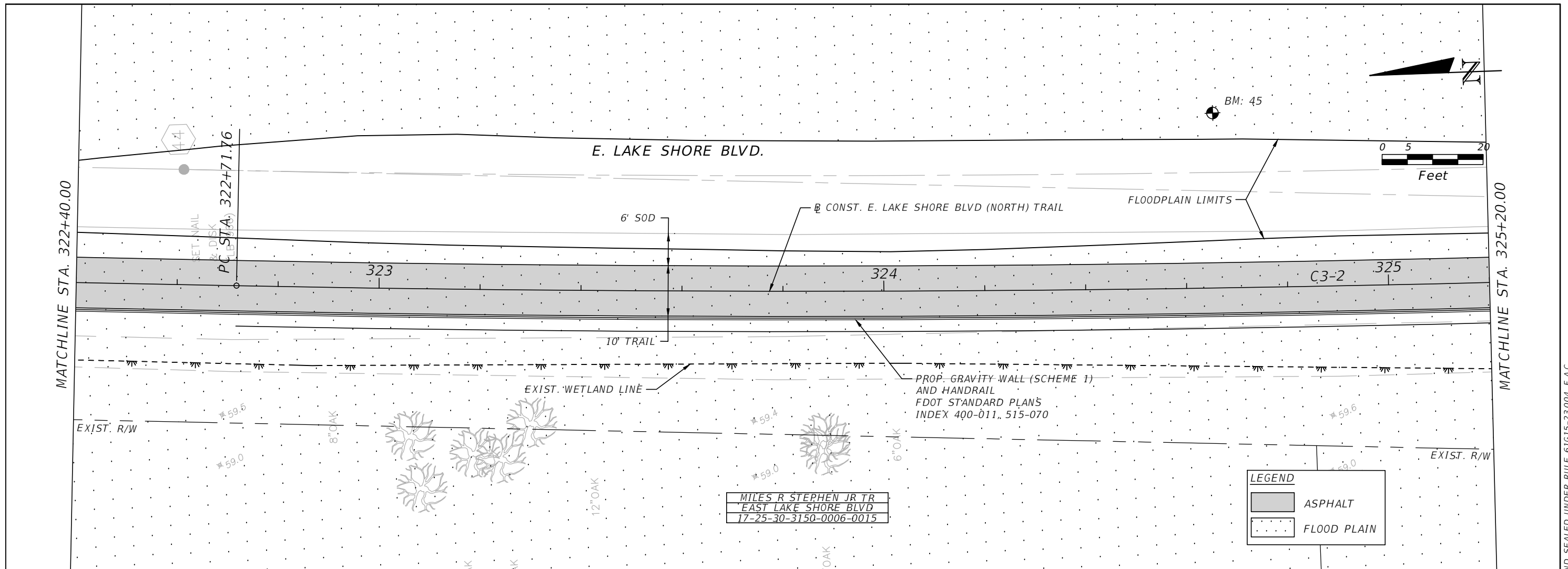


OSCEOLA COUNTY
FLORIDA

**EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 8**

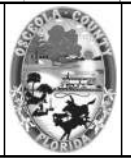
SHEET NO.
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Mark F. Bertocini, P.E.
PE # 63437

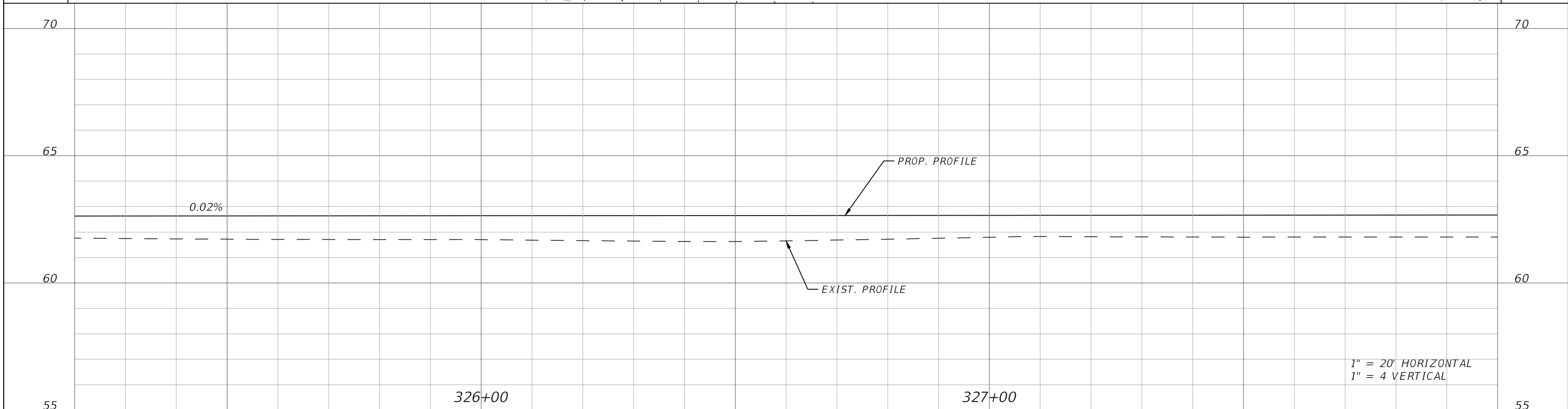
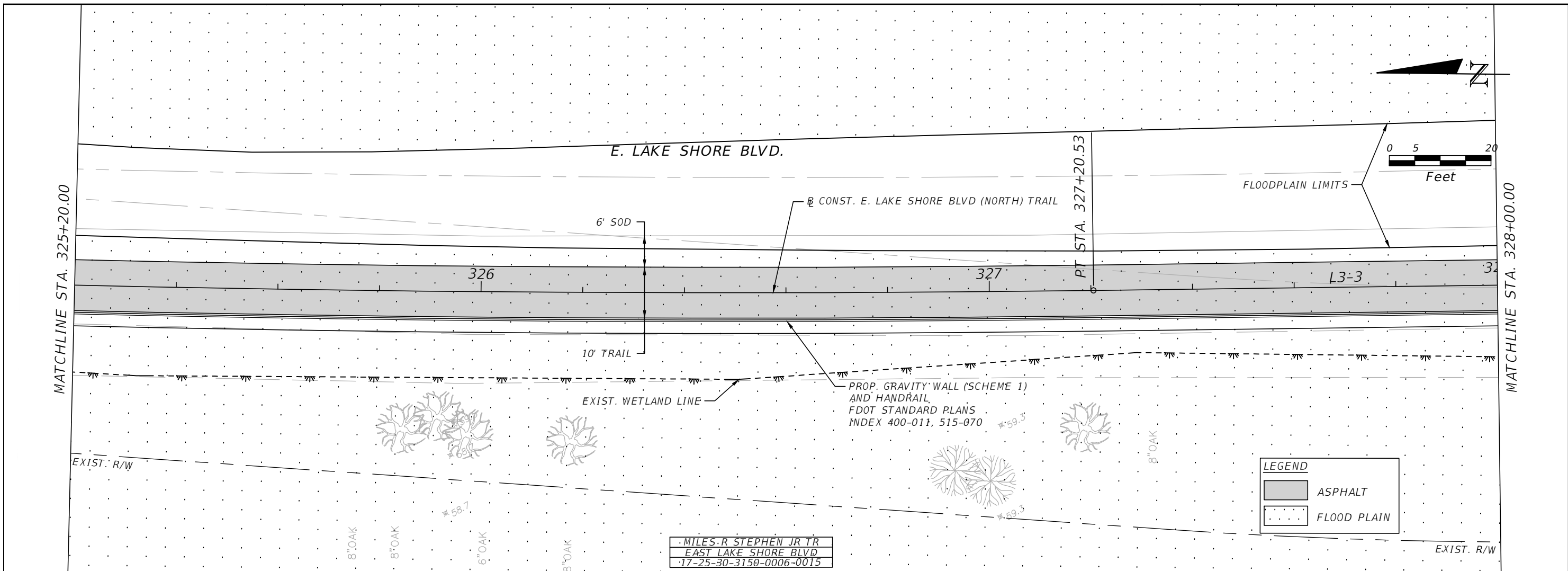


OSCEOLA COUNTY
FLORIDA

**EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 9**

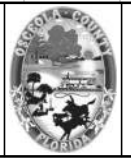
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 PE # 63437

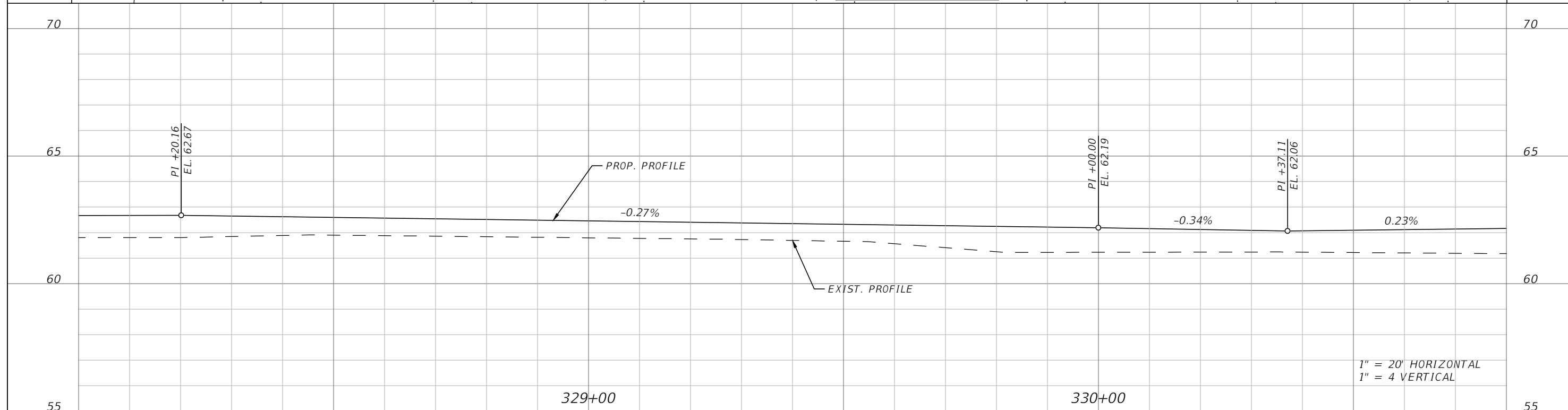
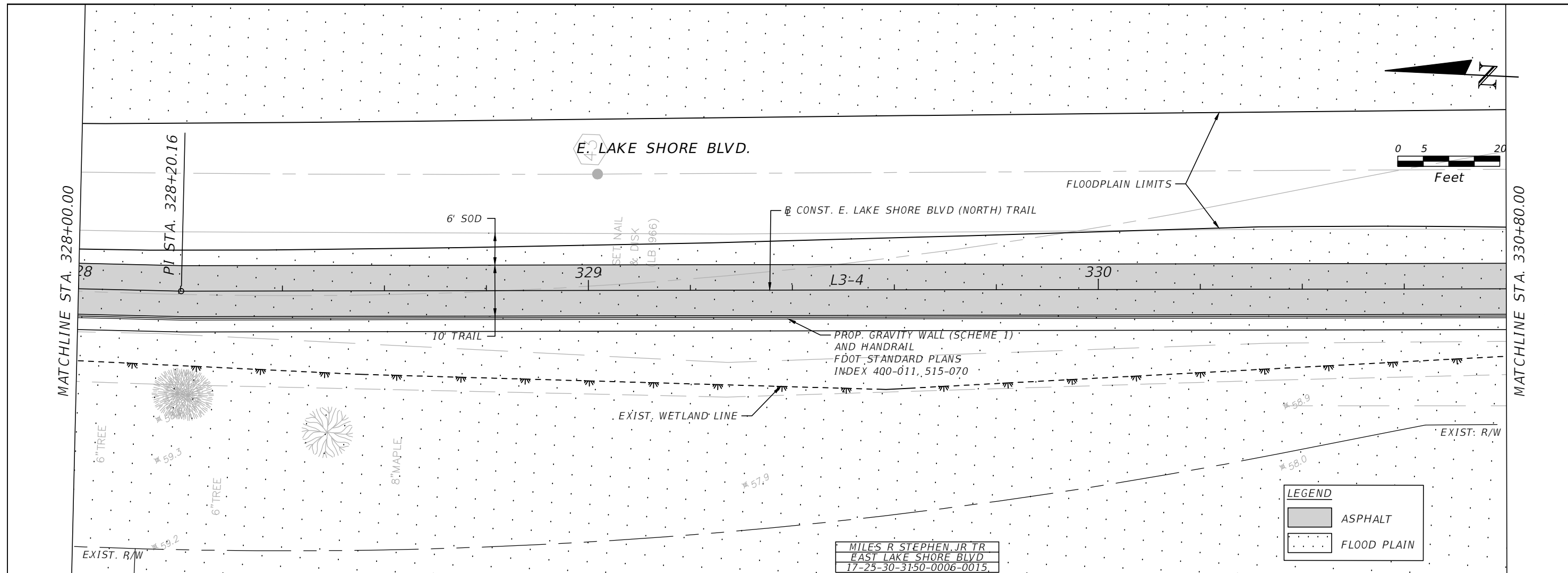


OSCEOLA COUNTY
 FLORIDA

**EAST LAKE SHORE BLVD (NORTH)
 ROADWAY PLAN & PROFILE 10**

SHEET
 NO.
R-69

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 PE # 63437

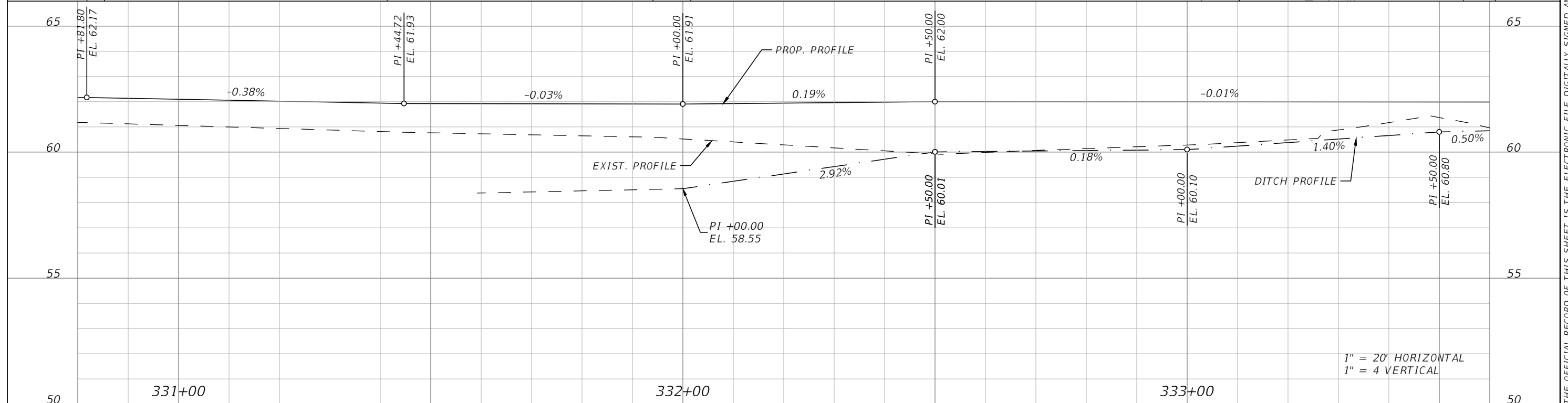
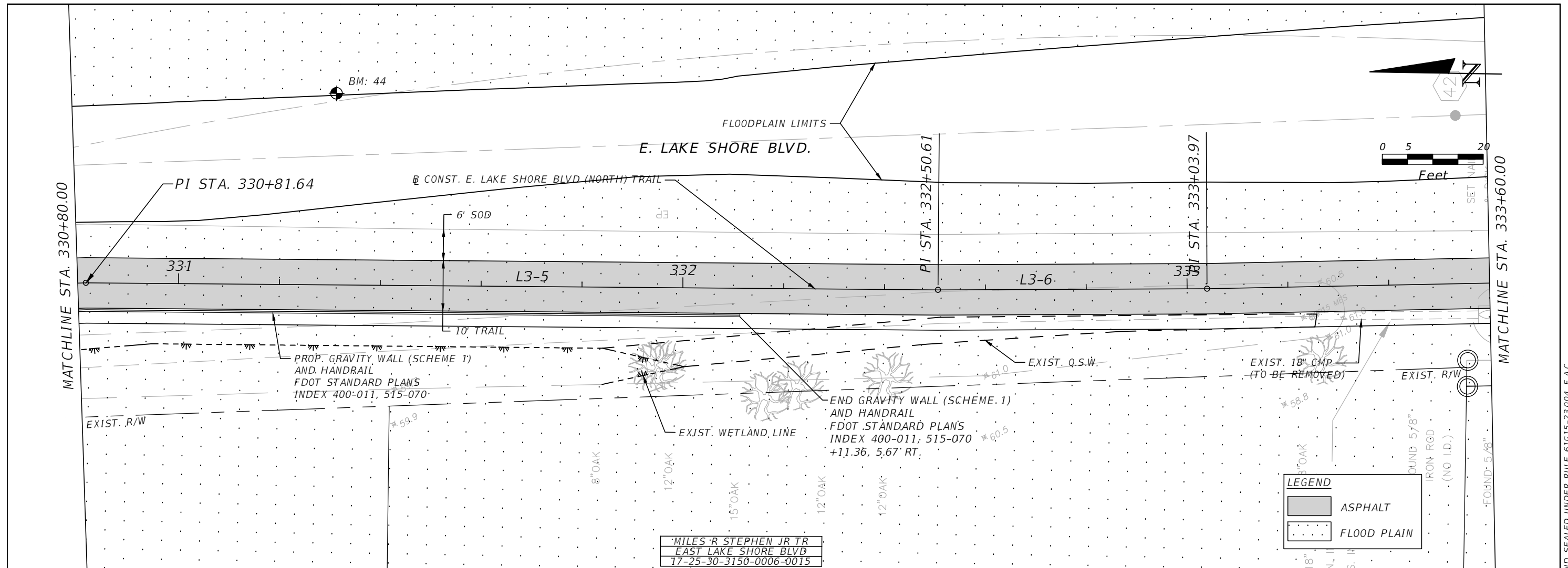


OSCEOLA COUNTY
 FLORIDA

EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 11

SHEET NO.
 R-70

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

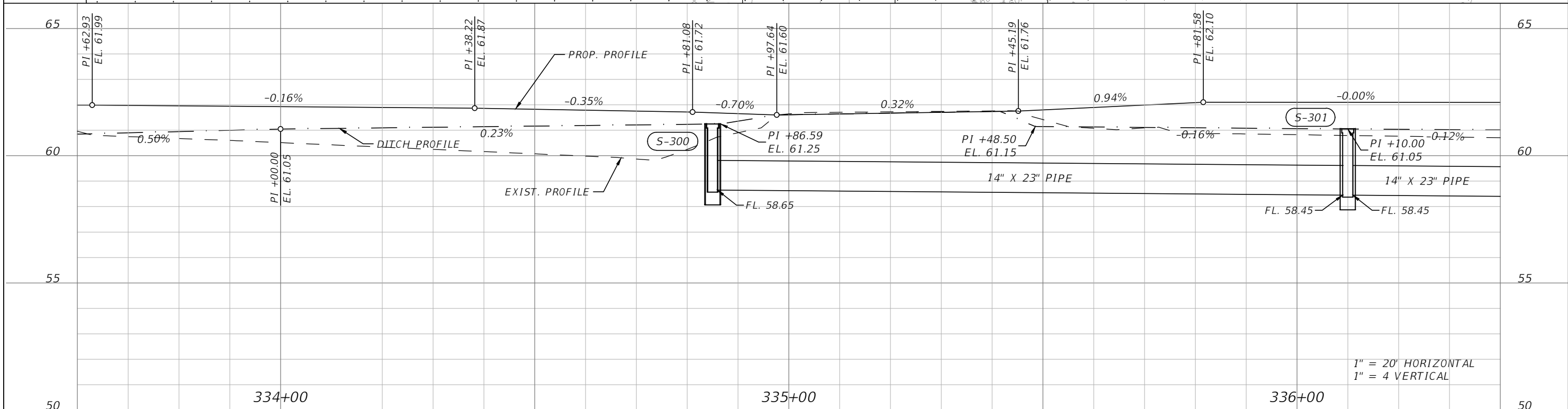
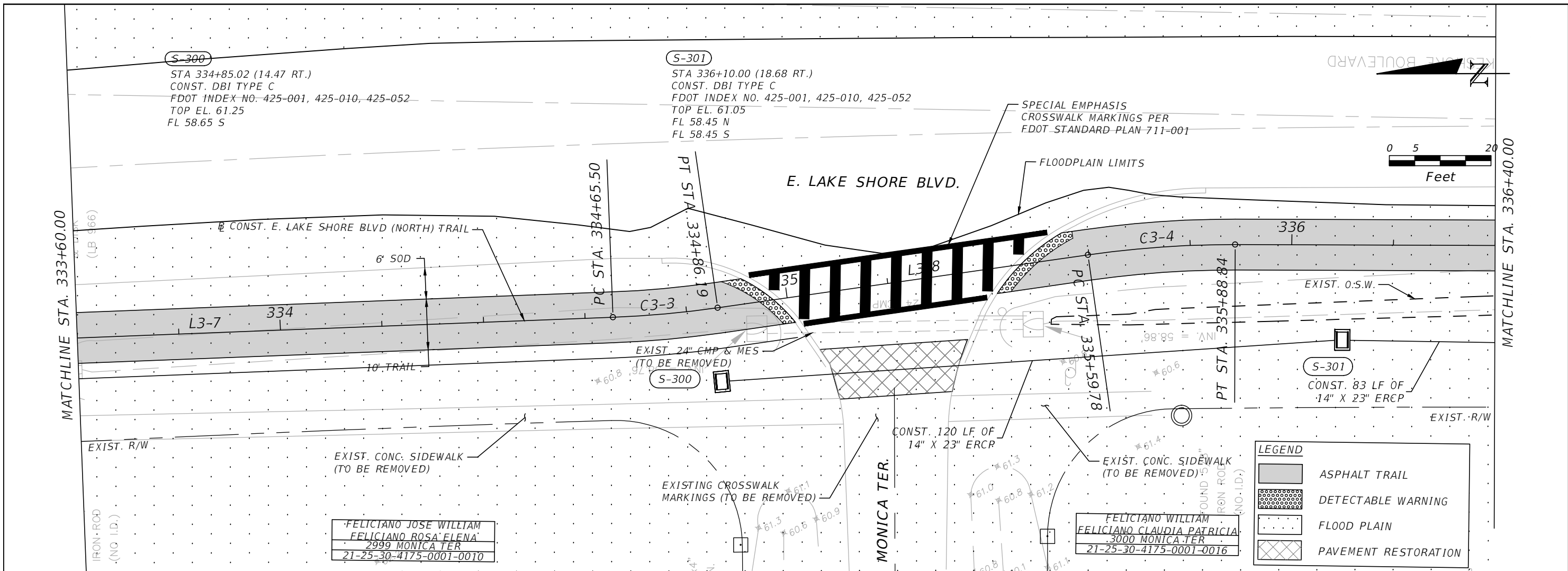


OSCEOLA COUNTY
FLORIDA

**EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 12**

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R-71

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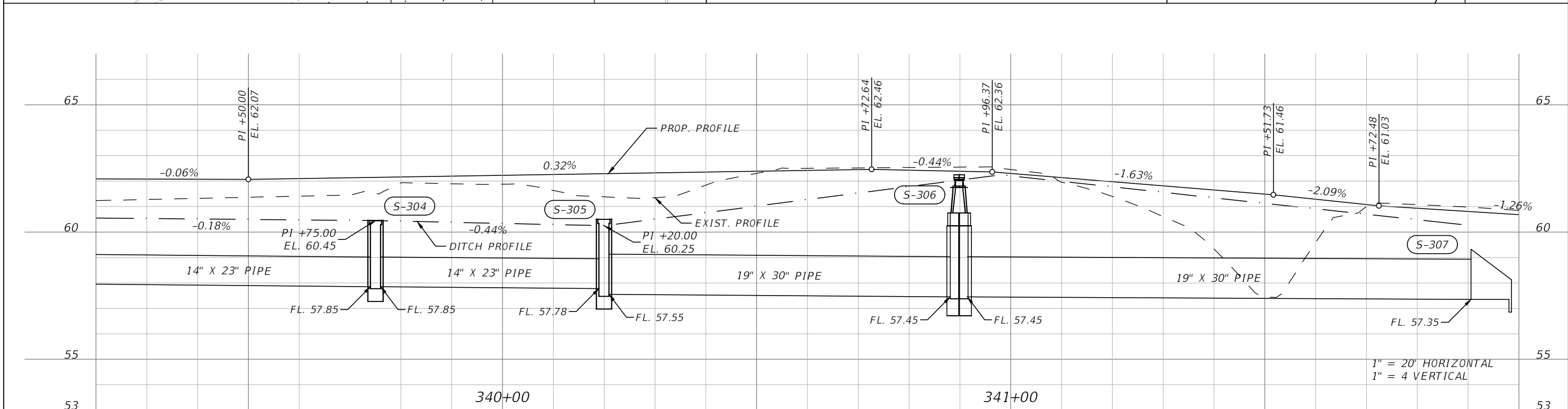
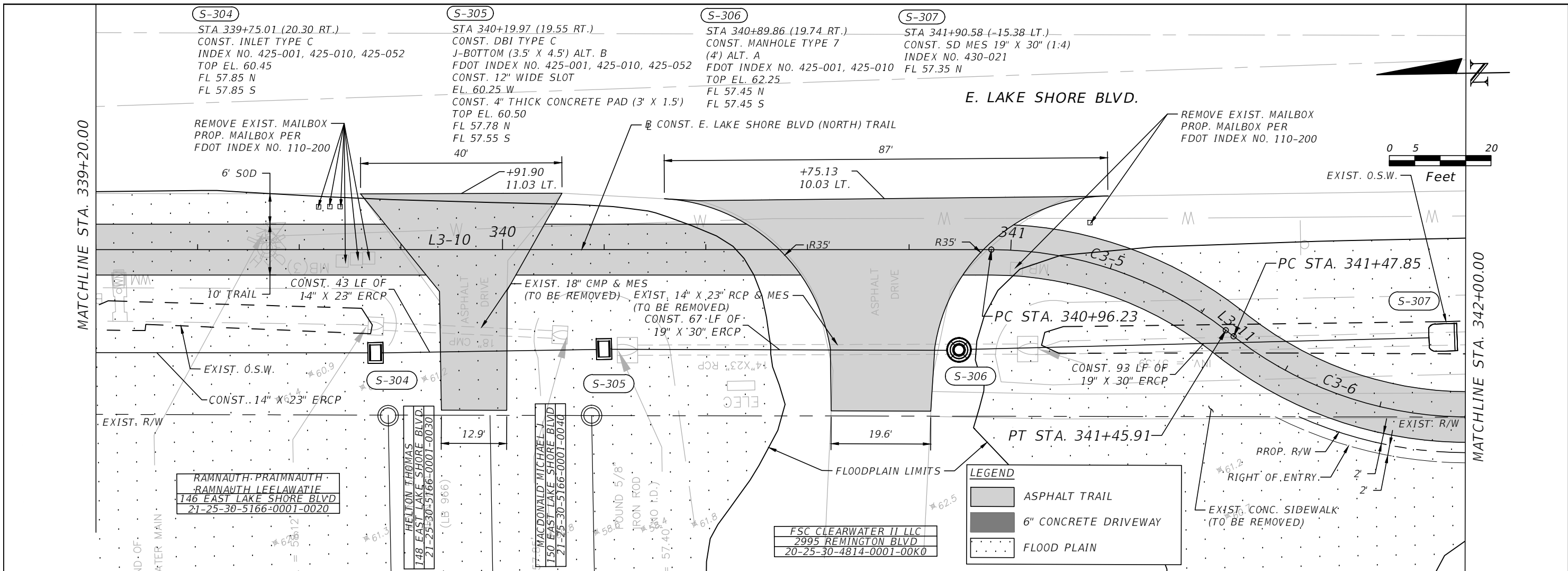

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EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 13

SHEET
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 PE # 63437

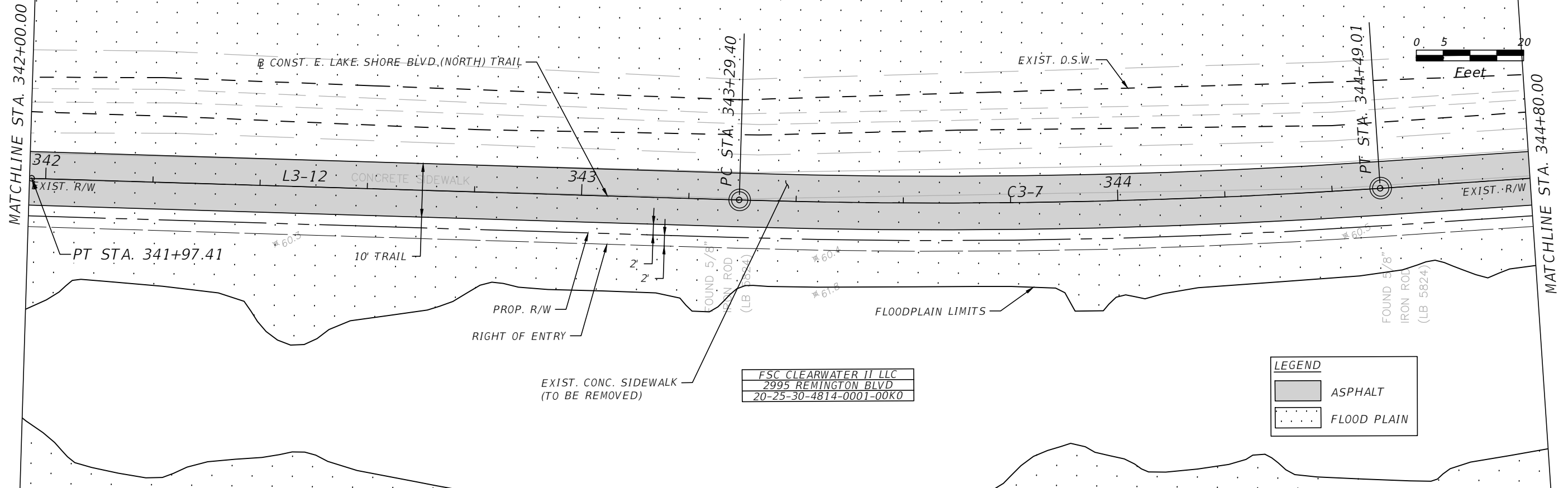

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 FLORIDA

EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 15

SHEET
 NO.
R-74

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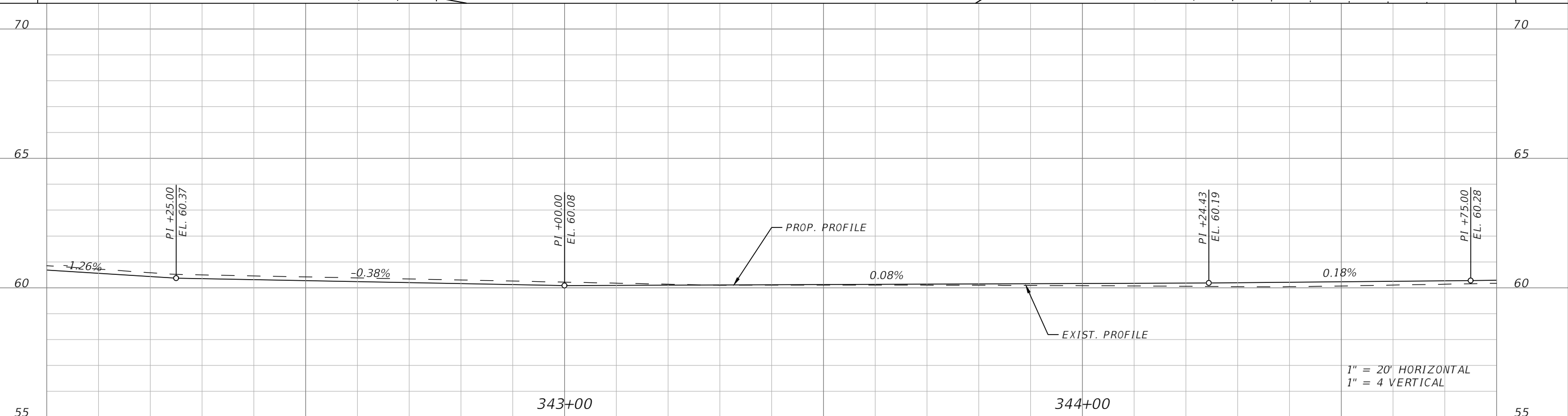
E. LAKE SHORE BLVD.



FSC CLEARWATER II LLC
2995 REMINGTON BLVD
20-25-30-4814-0001-00K0

LEGEND

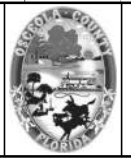
- ASPHALT
- FLOOD PLAIN



1" = 20' HORIZONTAL
1" = 4' VERTICAL

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OSCEOLA COUNTY
FLORIDA

EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 16

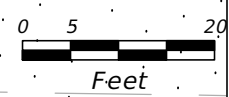
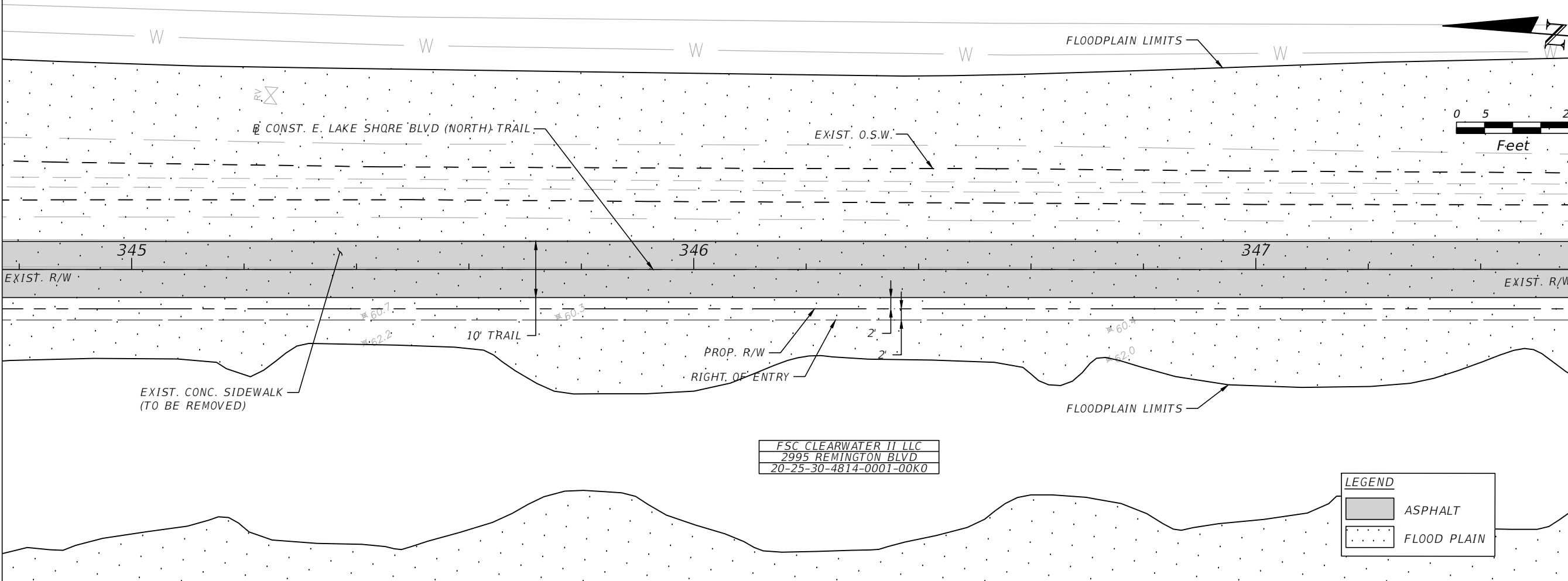
SHEET NO.
R-75

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E. LAKE SHORE BLVD.

MATCHLINE STA. 344+80.00

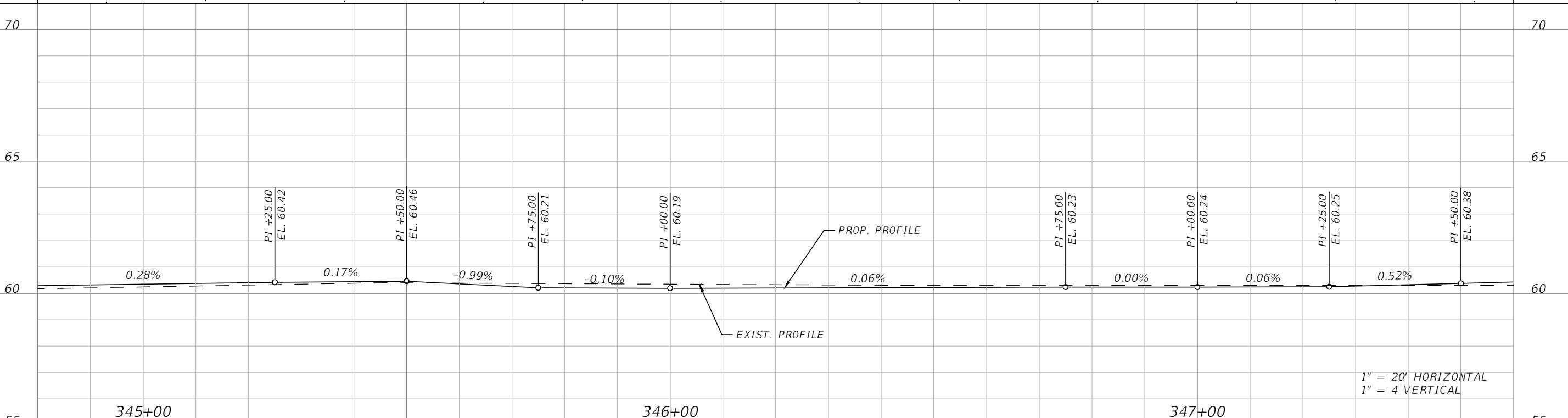
MATCHLINE STA. 347+60.00



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LEGEND

- ASPHALT
- FLOOD PLAIN



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FLORIDA

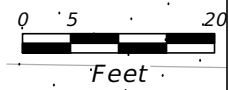
EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 17

SHEET NO.
R-76

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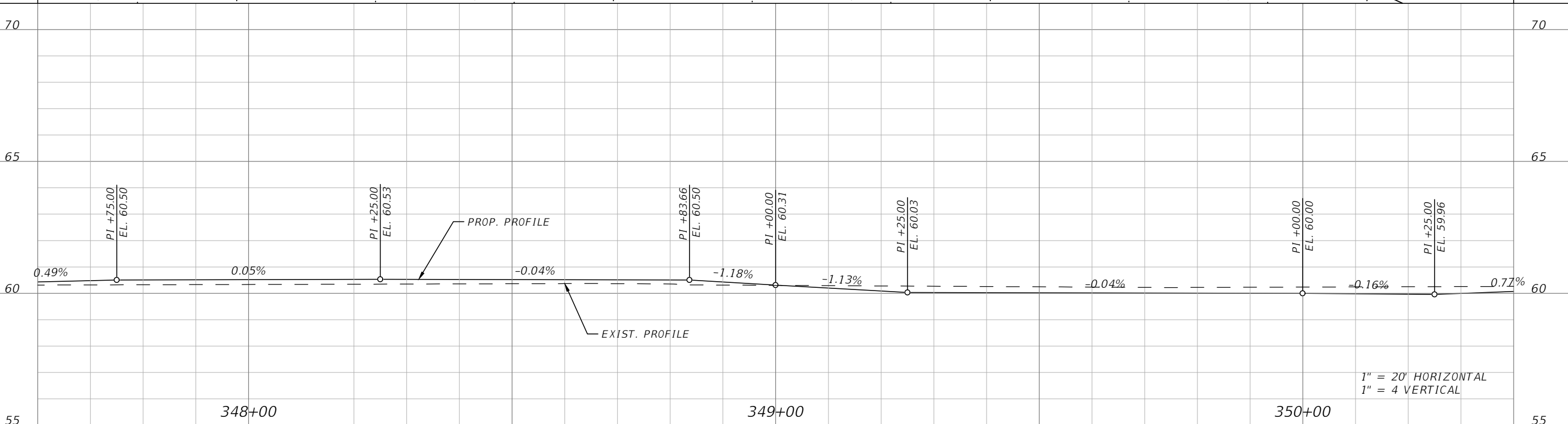
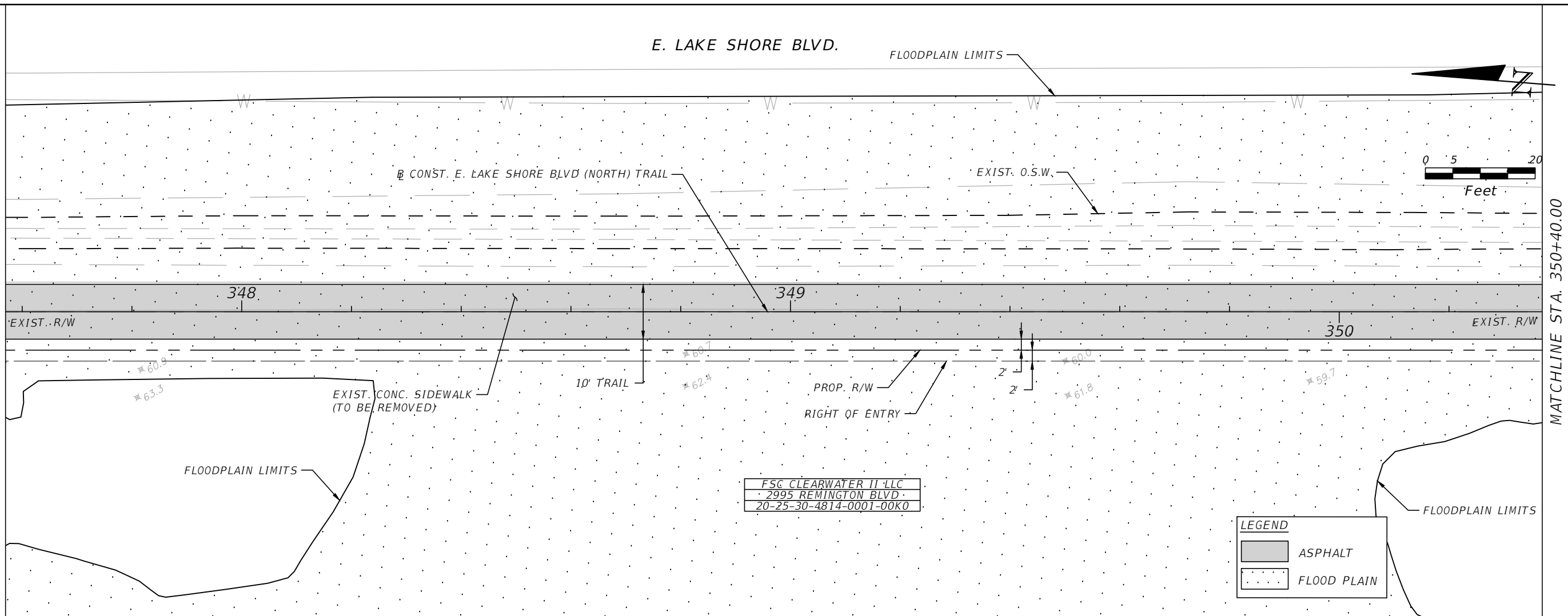
E. LAKE SHORE BLVD.

FLOODPLAIN LIMITS



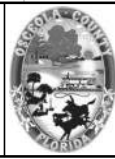
MATCHLINE STA. 347+60.00

MATCHLINE STA. 350+40.00



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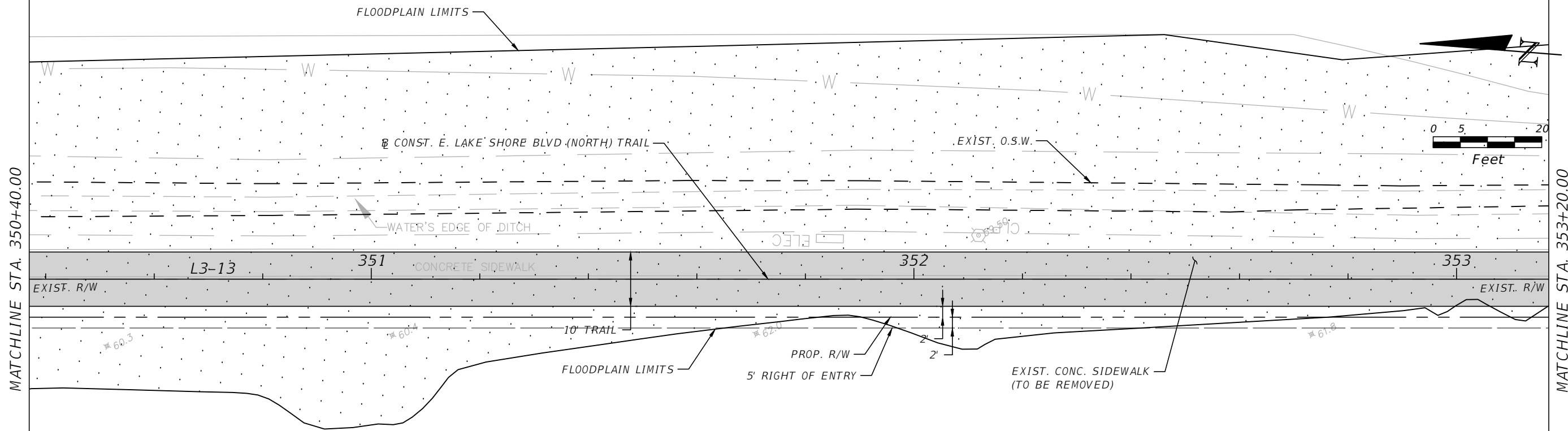
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FLORIDA

EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 18

SHEET NO.
R-77

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

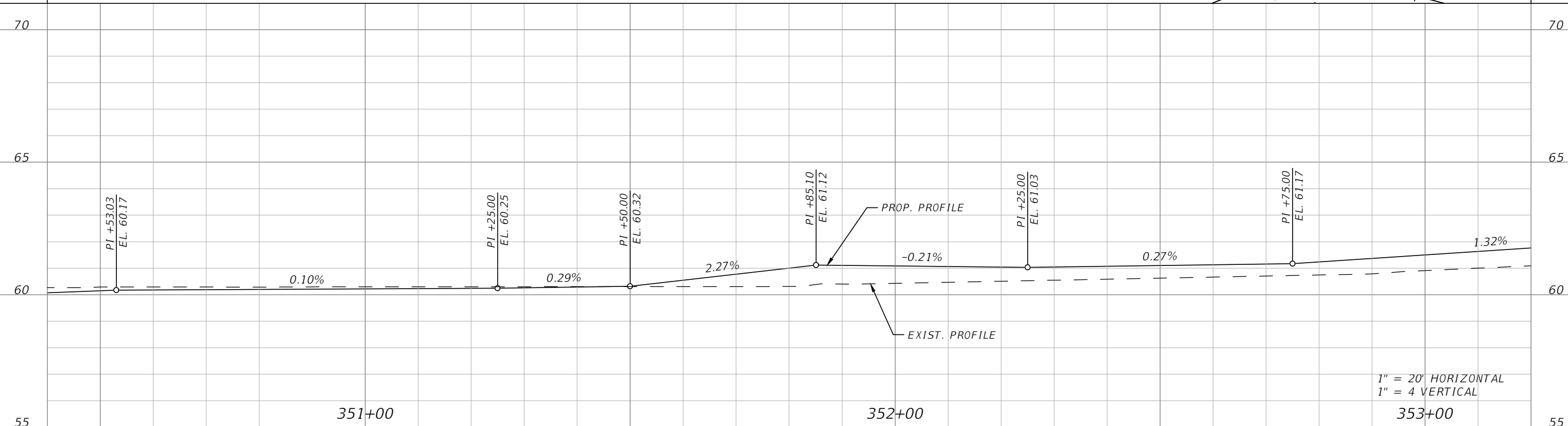
E. LAKE SHORE BLVD.



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LEGEND

- ASPHALT
- FLOOD PLAIN

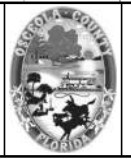


1" = 20' HORIZONTAL
 1" = 4' VERTICAL

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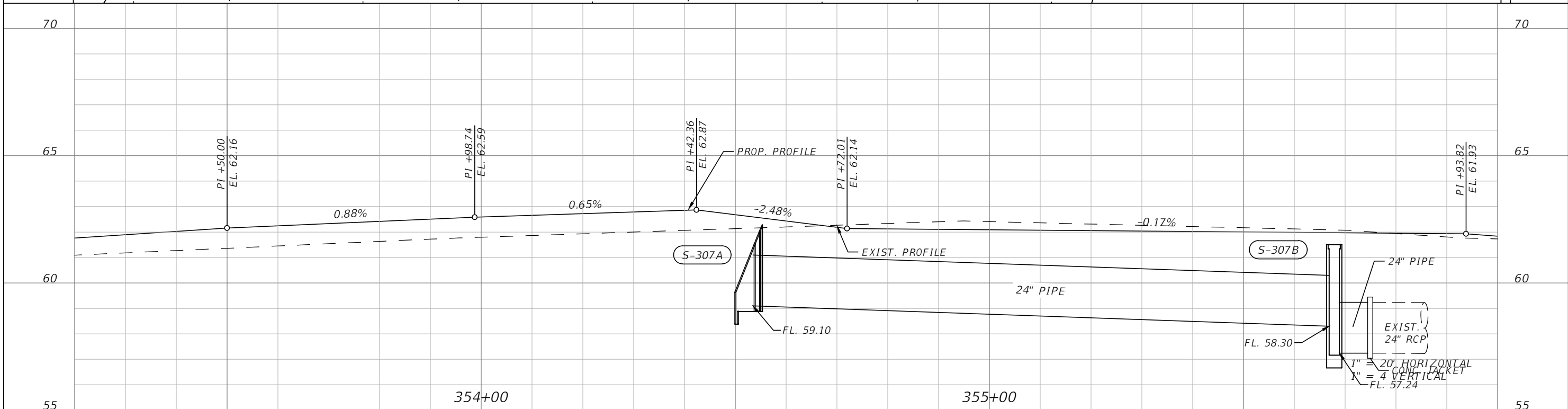
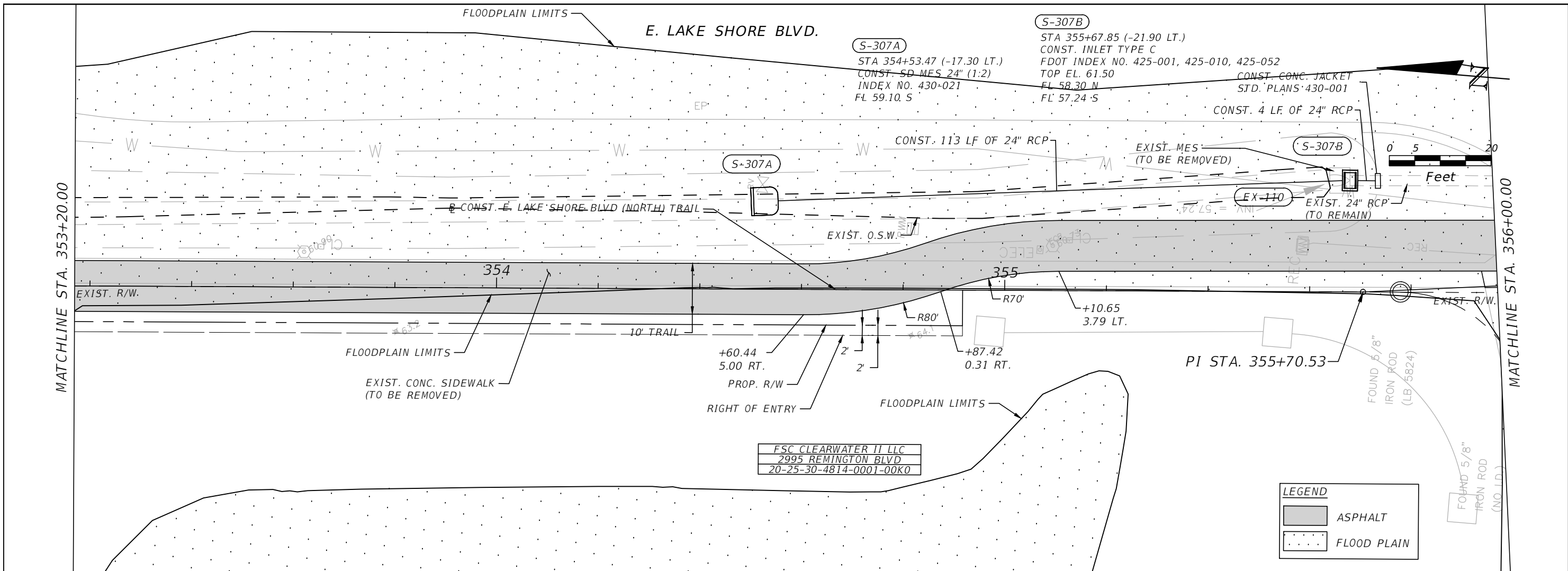


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EAST LAKE SHORE BLVD (NORTH)
 ROADWAY PLAN & PROFILE 19


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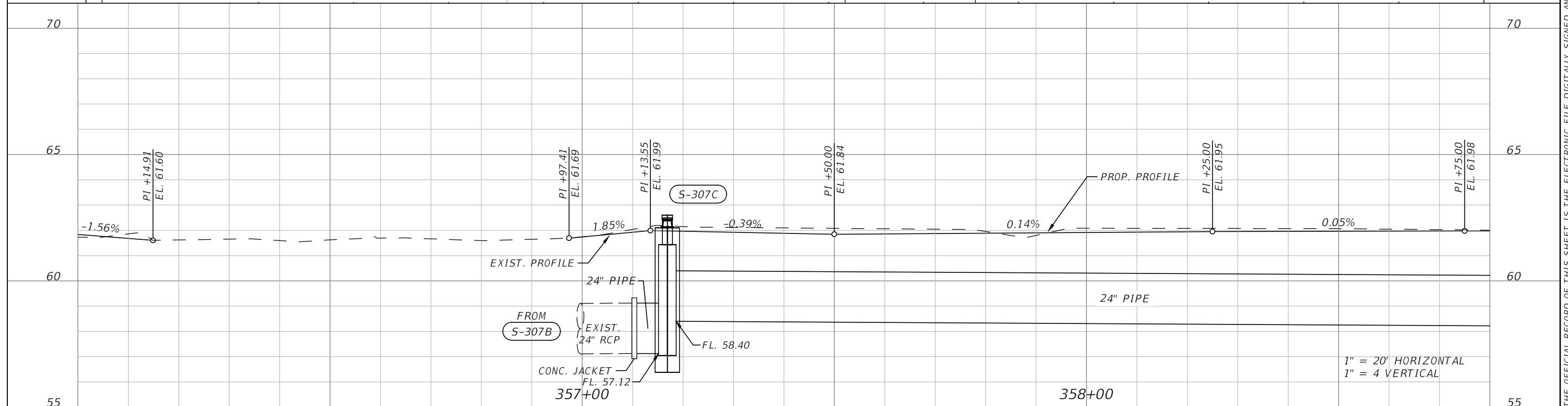
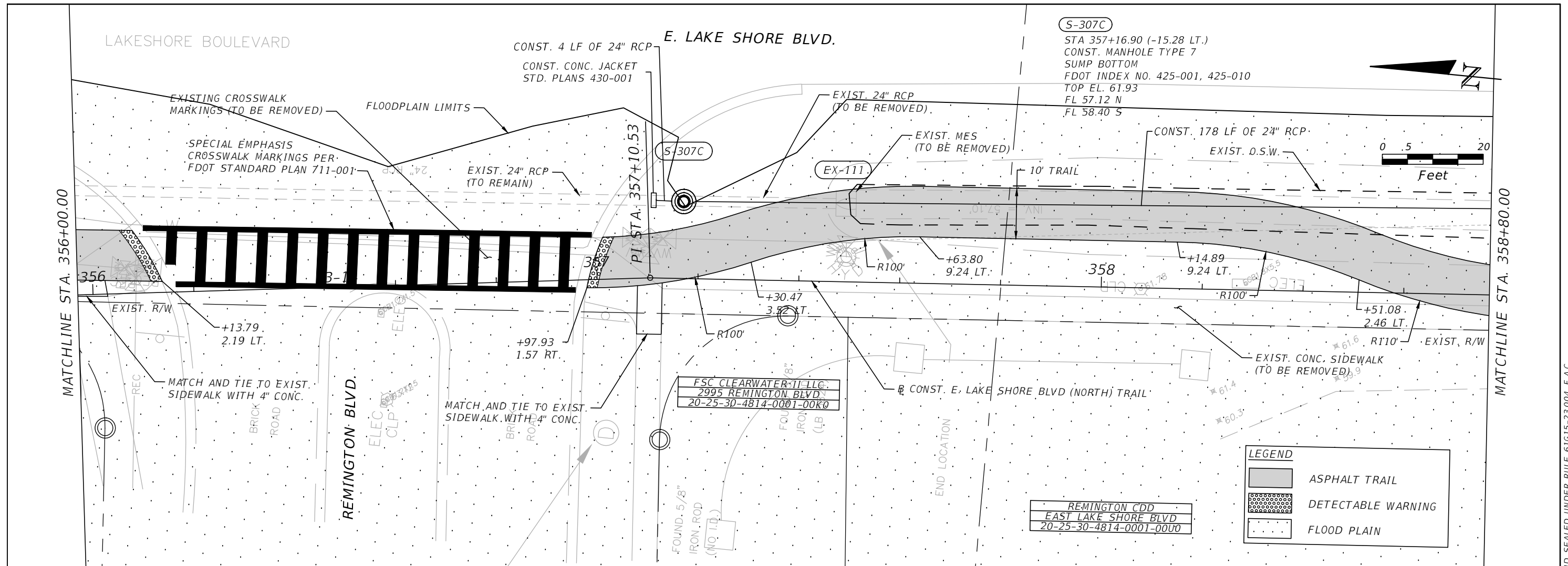

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EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 20

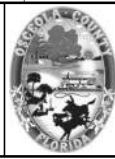
SHEET NO.
R-79

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FLORIDA

**EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 21**

SHEET NO.
R-80

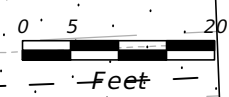
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E. LAKE SHORE BLVD.

SET NA
& DISK
(LB 96E)

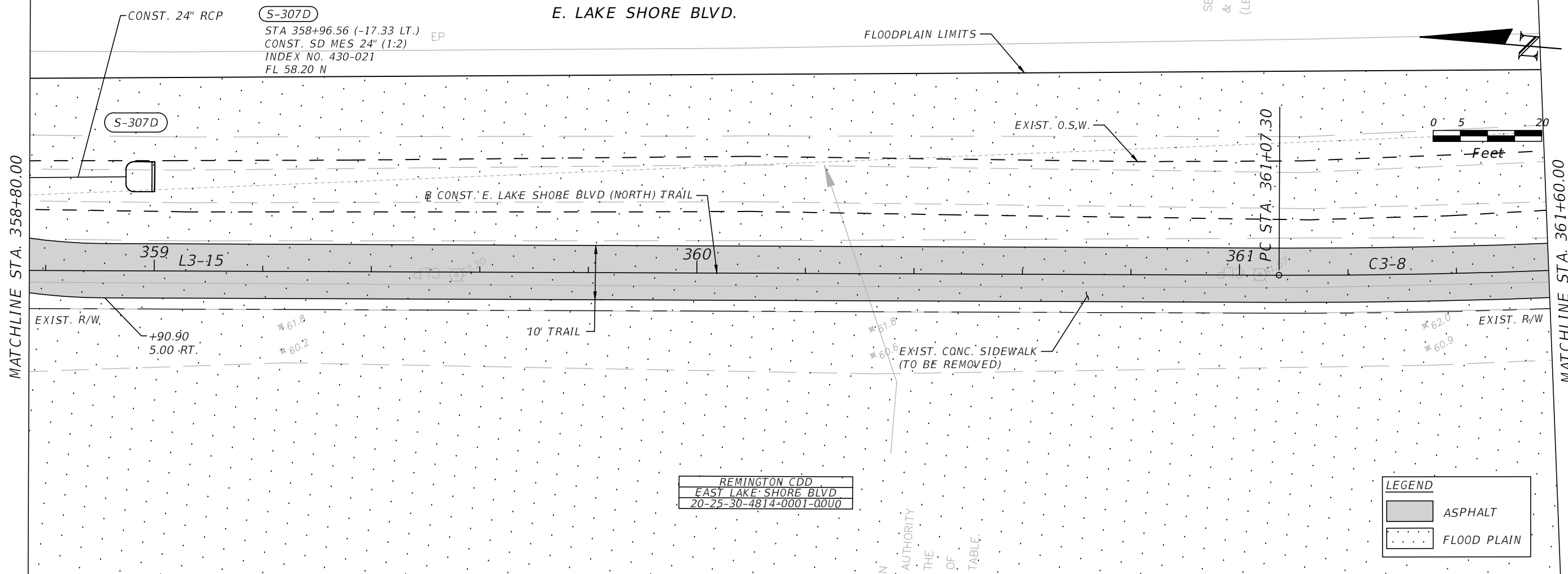
(S-307D)
STA 358+96.56 (-17.33 LT.) EP
CONST. SD MES 24" (1:2)
INDEX NO. 430-021
FL 58.20 N

FLOODPLAIN LIMITS



MATCHLINE STA. 358+80.00

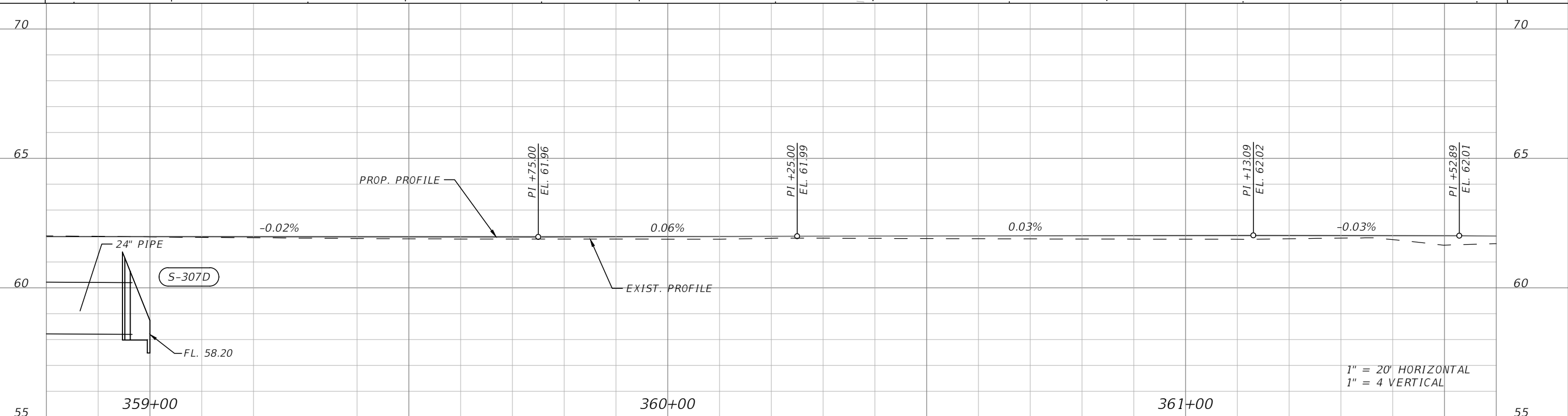
MATCHLINE STA. 361+60.00



REMINGTON CDD
EAST LAKE SHORE BLVD
20-25-30-4814-0001-00U0

LEGEND	
	ASPHALT
	FLOOD PLAIN

IN
AUTHORITY
THE
OF
TABLE.



1" = 20' HORIZONTAL
1" = 4' VERTICAL

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PE # 63437



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FLORIDA

EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 22

SHEET
NO.
R-81

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E. LAKE SHORE BLVD.



MATCHLINE STA. 361+60.00

MATCHLINE STA. 364+40.00

SET N
& DIS
(LB 96)

FLOODPLAIN LIMITS

EXIST. O.S.W.

CONST. E. LAKE SHORE BLVD (NORTH) TRAIL

362

363

L3-16

364

EXIST. R/W

EXIST. R/W

*61.8
*60.9

10' TRAIL

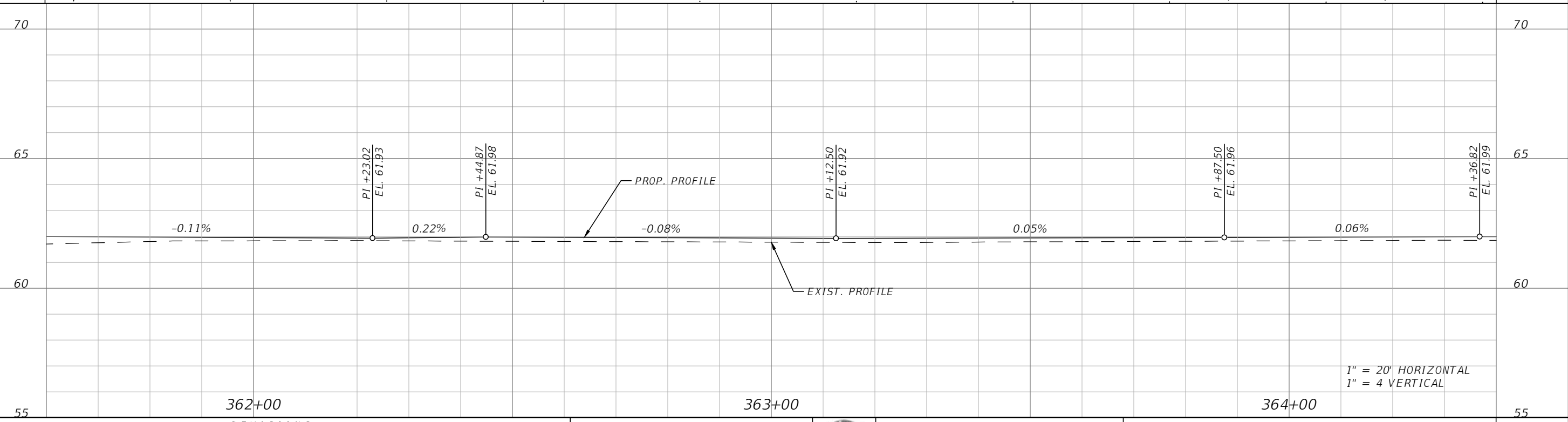
EXIST. CONC. SIDEWALK
(TO BE REMOVED)

*62.0
*60.5

REMINGTON CDD
EAST LAKE SHORE BLVD
20-25-30-4814-0001-0000

LEGEND

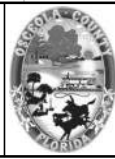
- ASPHALT
- FLOOD PLAIN



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1" = 4' VERTICAL

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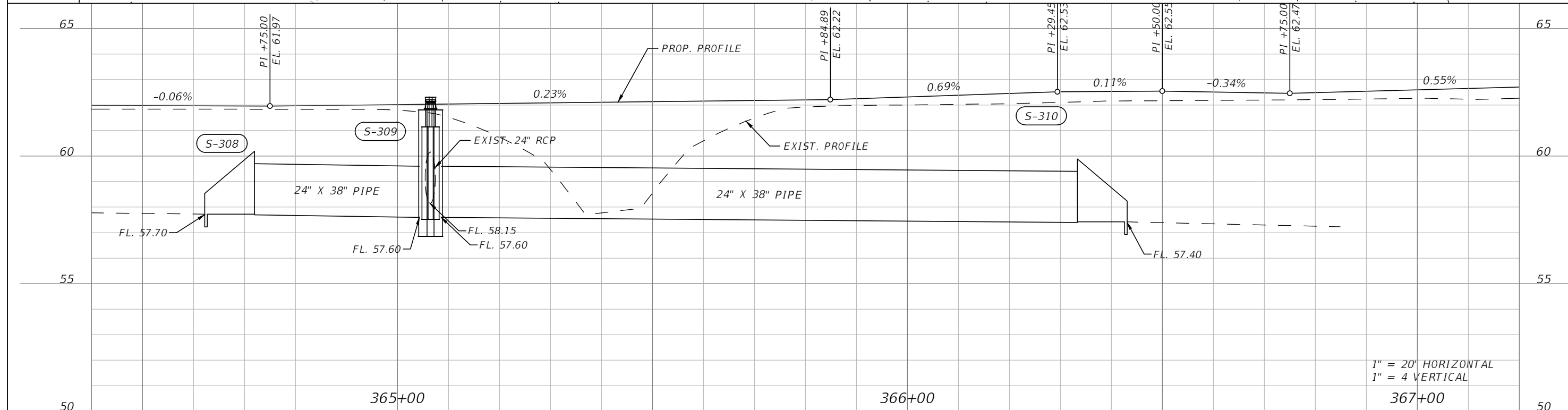
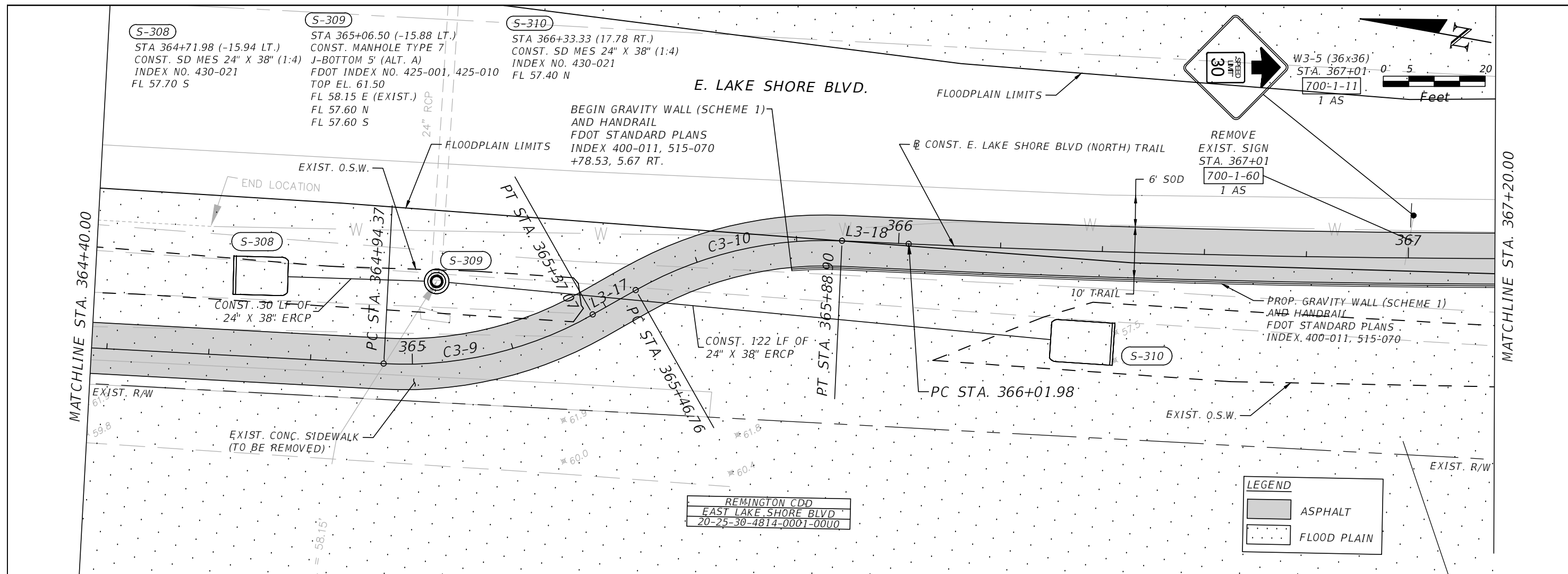


OSCEOLA COUNTY
FLORIDA

**EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 23**

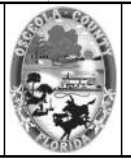
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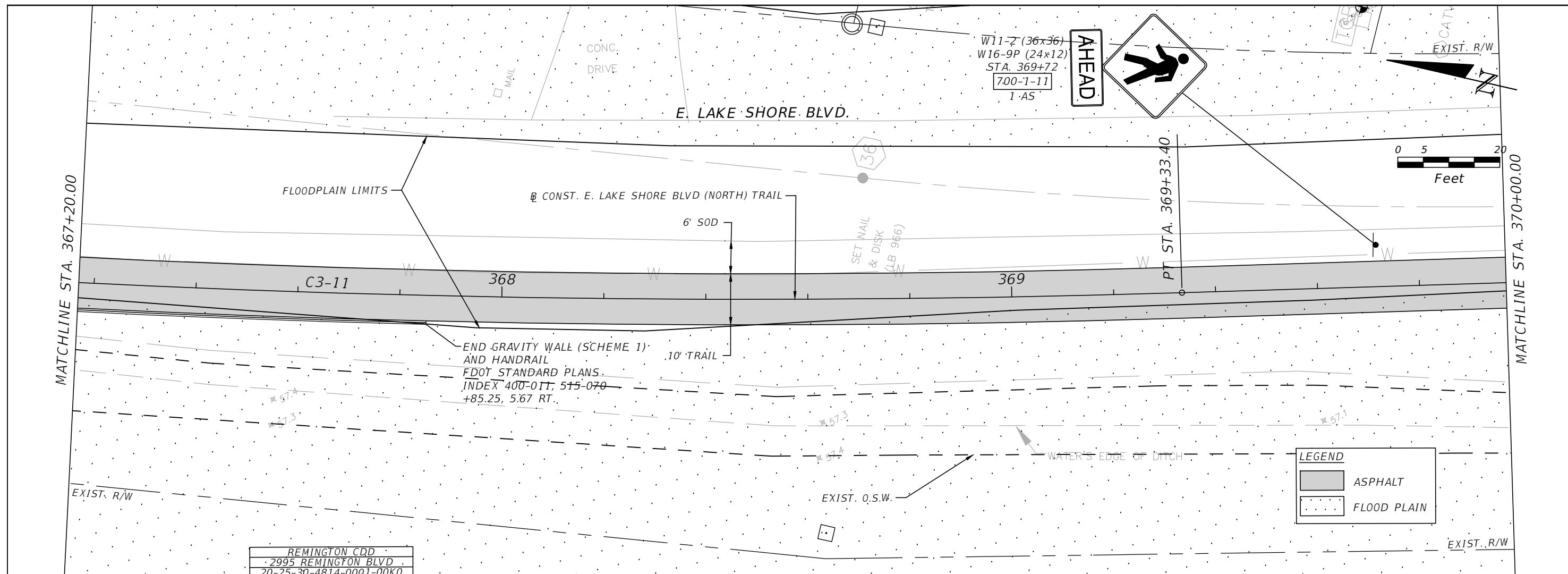


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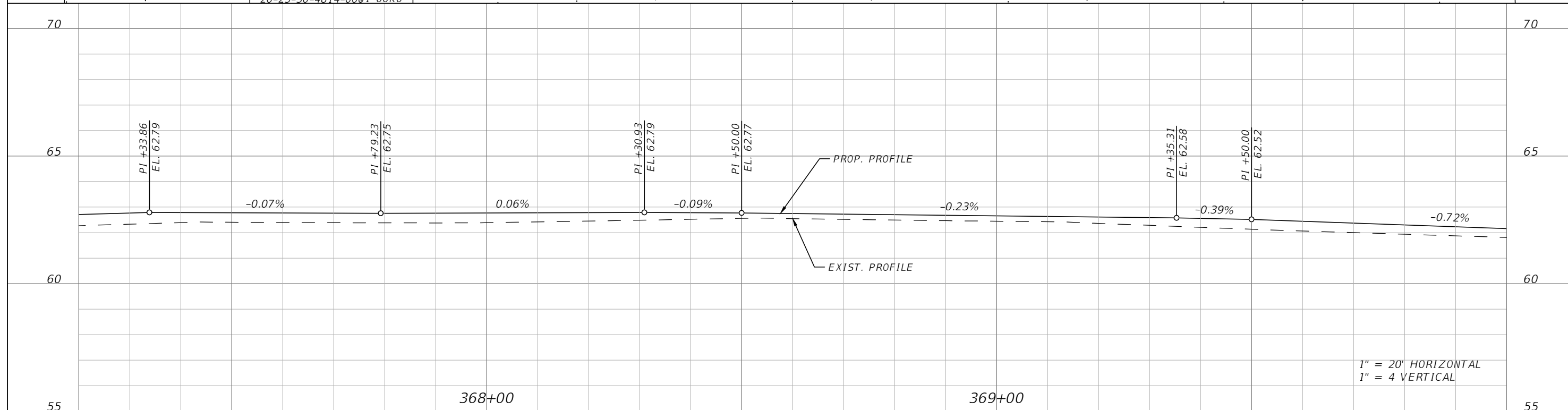
EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 24

SHEET
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R-83

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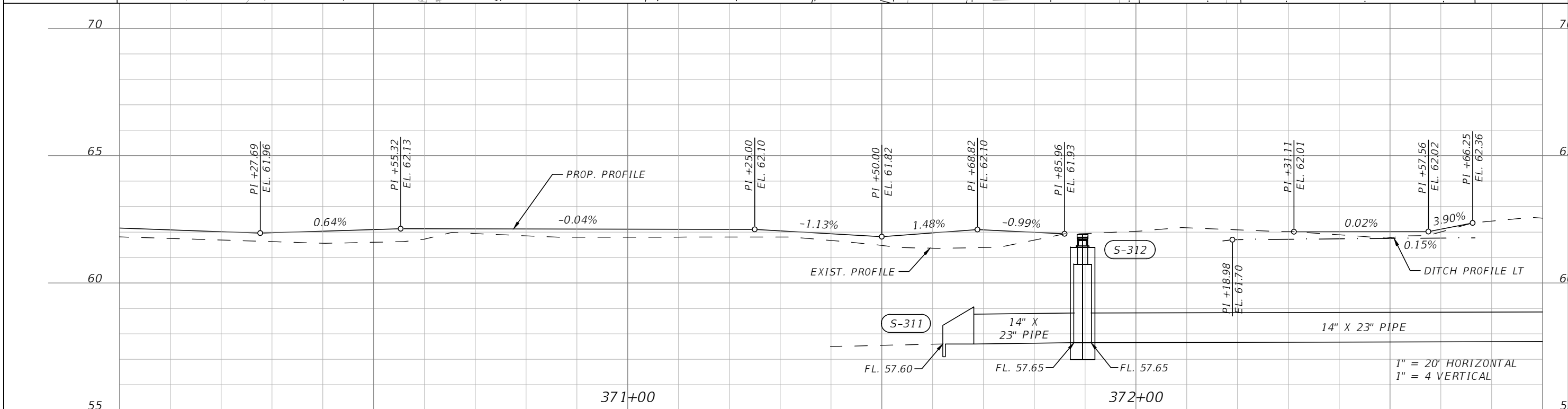
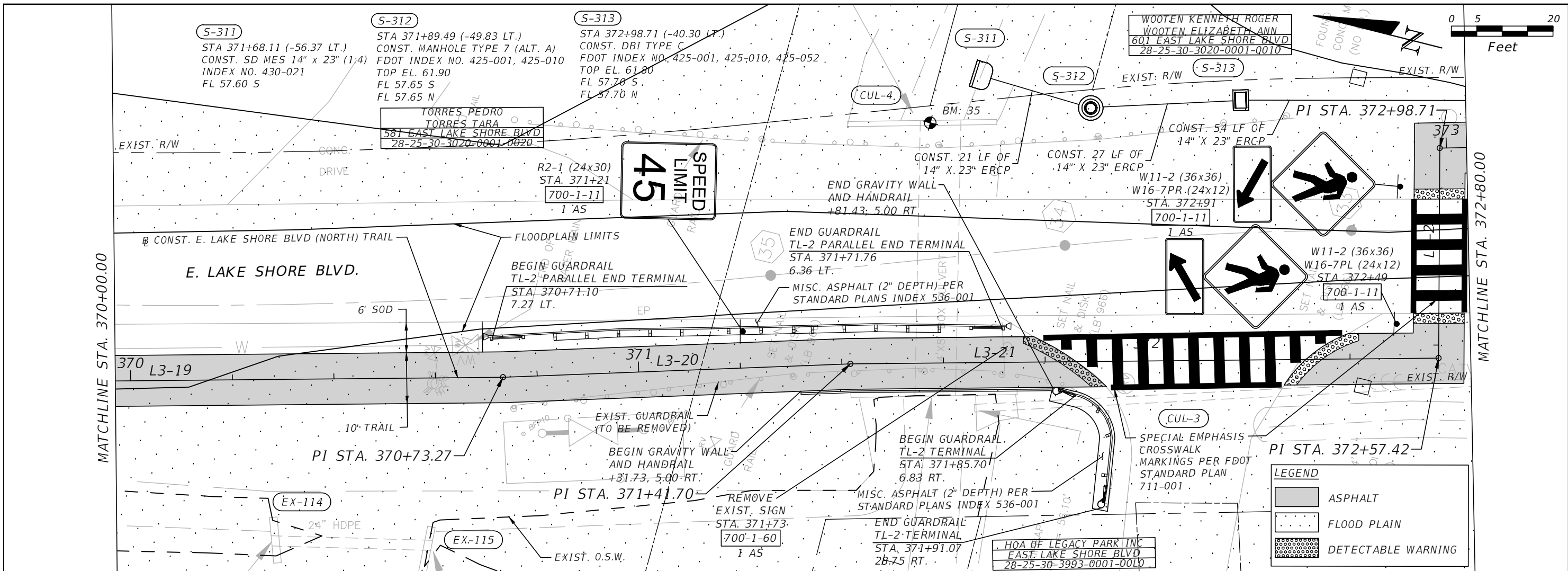


OSCEOLA COUNTY
 FLORIDA

**EAST LAKE SHORE BLVD (NORTH)
 ROADWAY PLAN & PROFILE 25**

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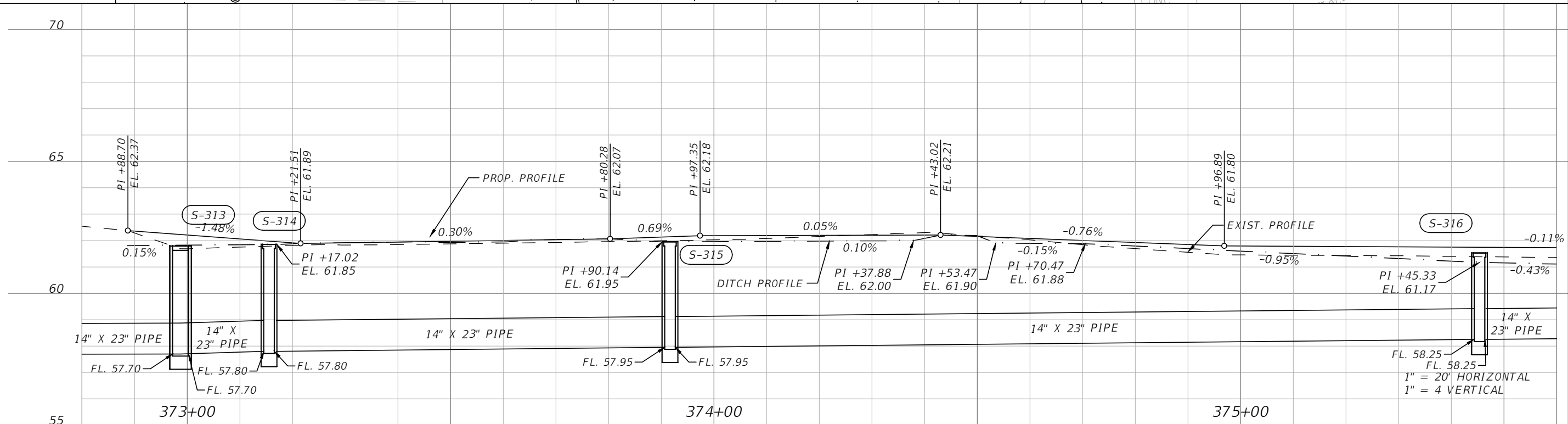
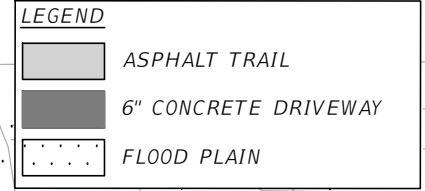
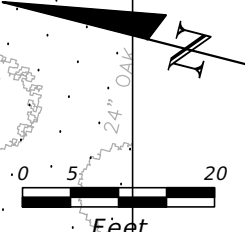
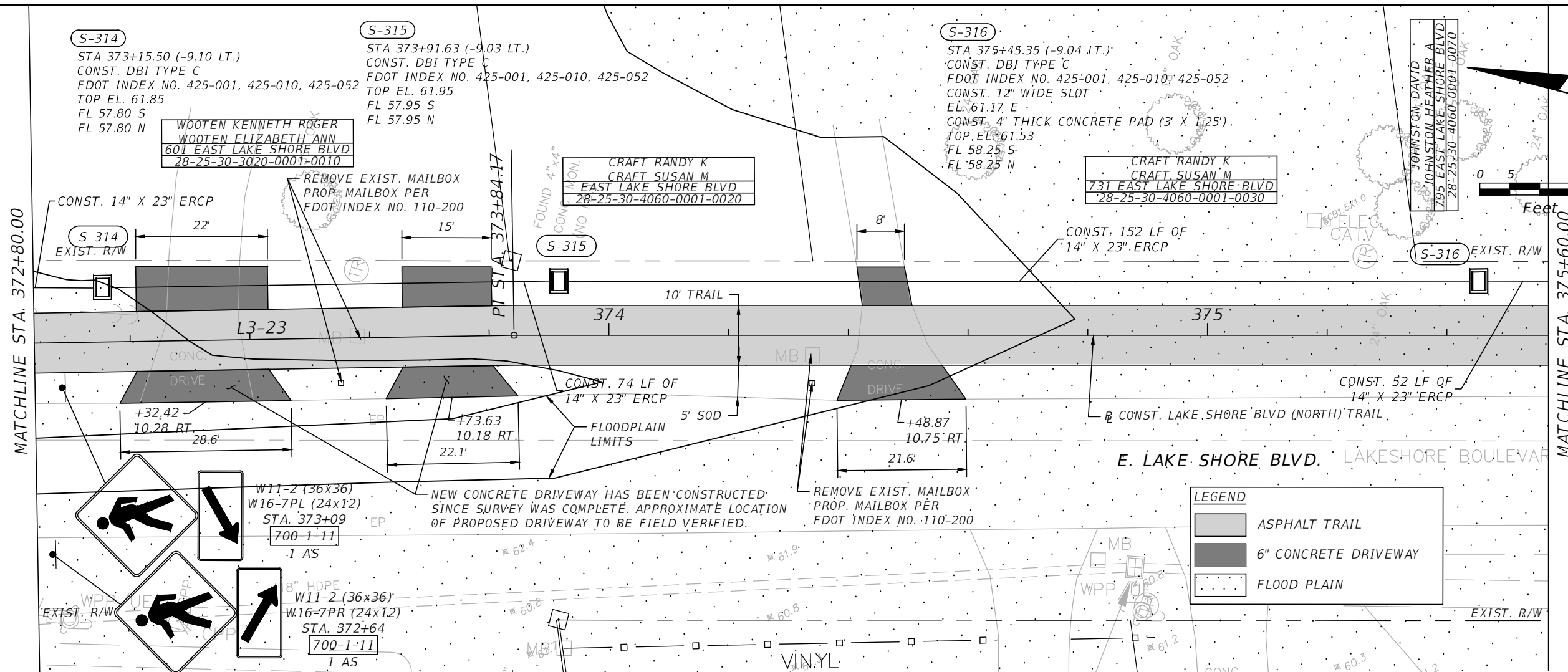

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EAST LAKE SHORE BLVD (NORTH)
 ROADWAY PLAN & PROFILE 26

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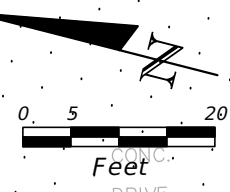
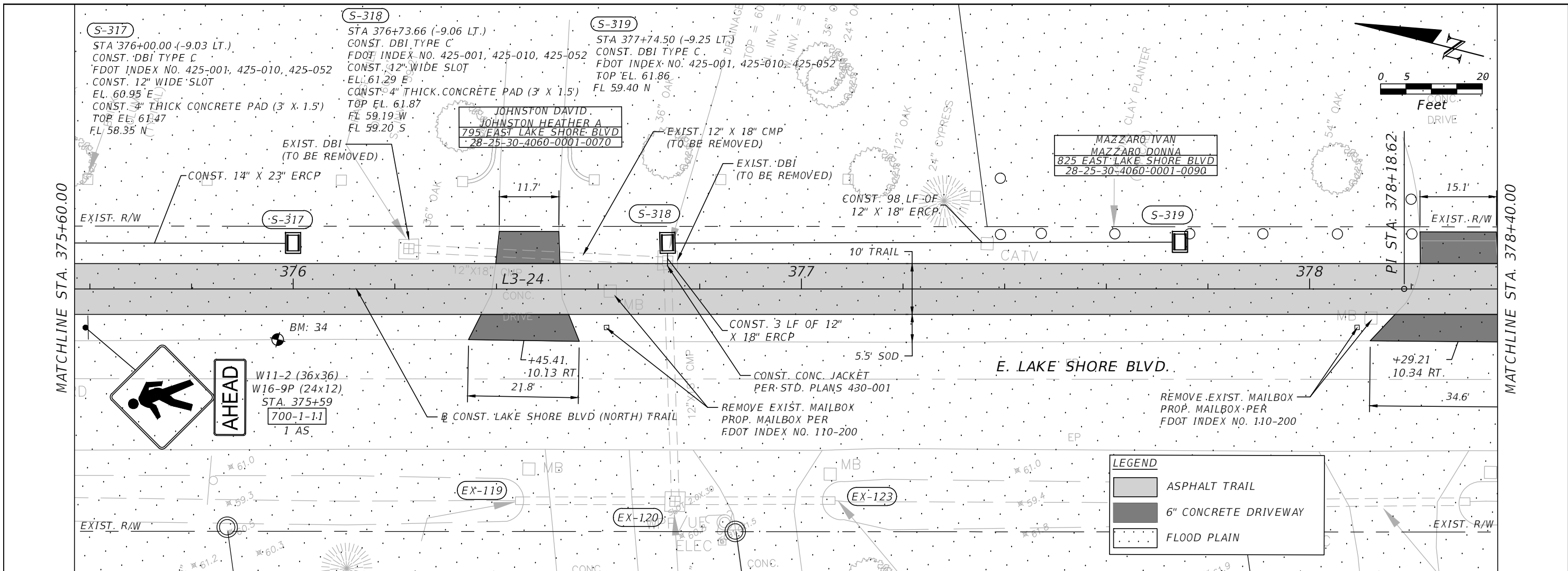


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**EAST LAKE SHORE BLVD (NORTH)
 ROADWAY PLAN & PROFILE 27**

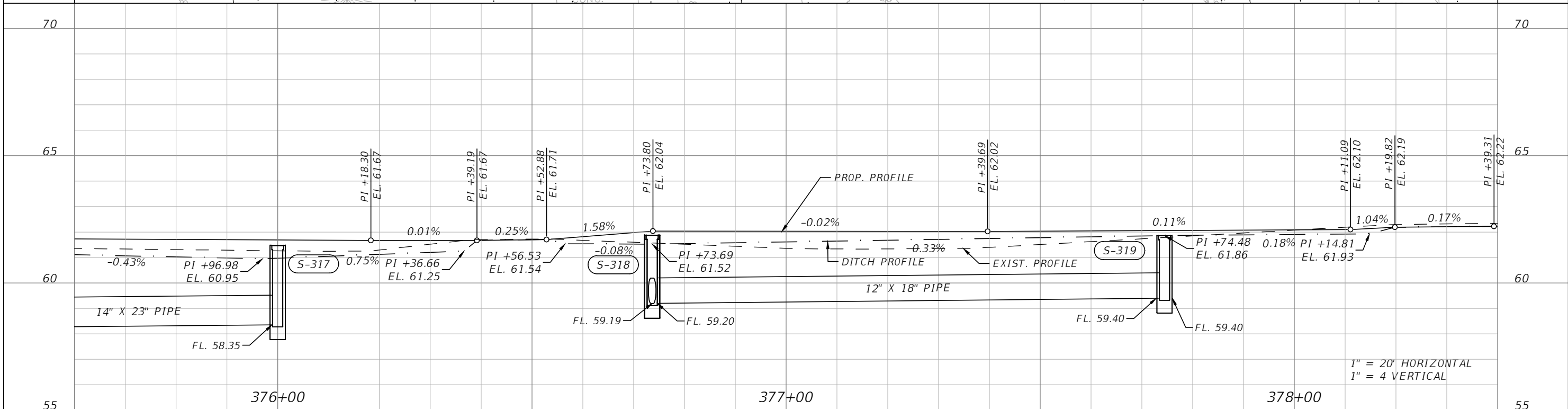
SHEET
 NO.
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LEGEND

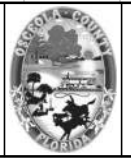
- ASPHALT TRAIL
- 6" CONCRETE DRIVEWAY
- FLOOD PLAIN



1" = 20' HORIZONTAL
1" = 4' VERTICAL

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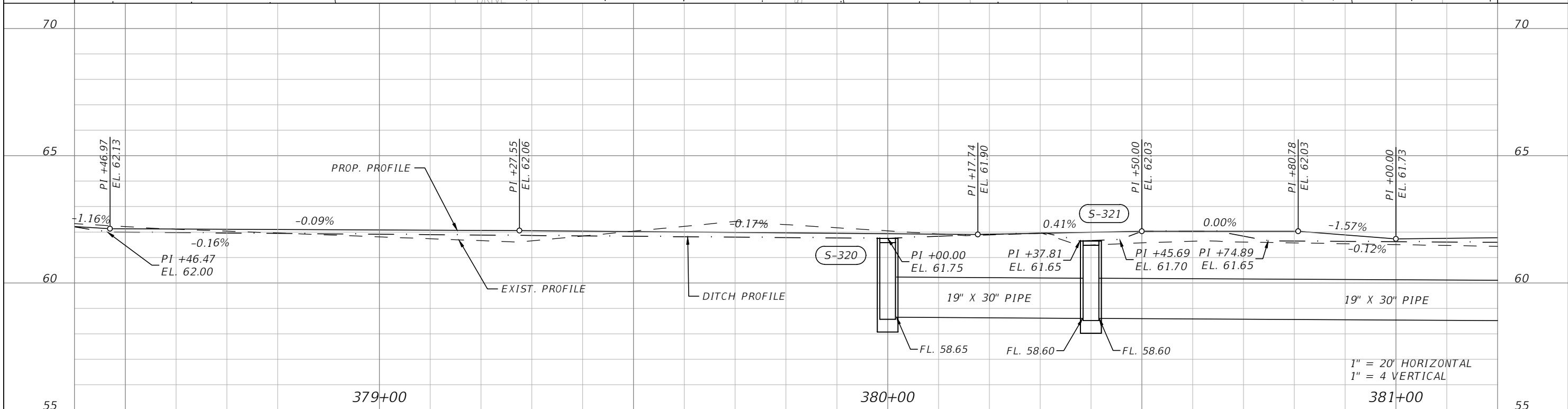
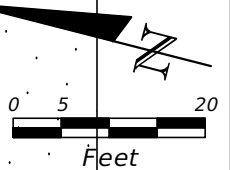
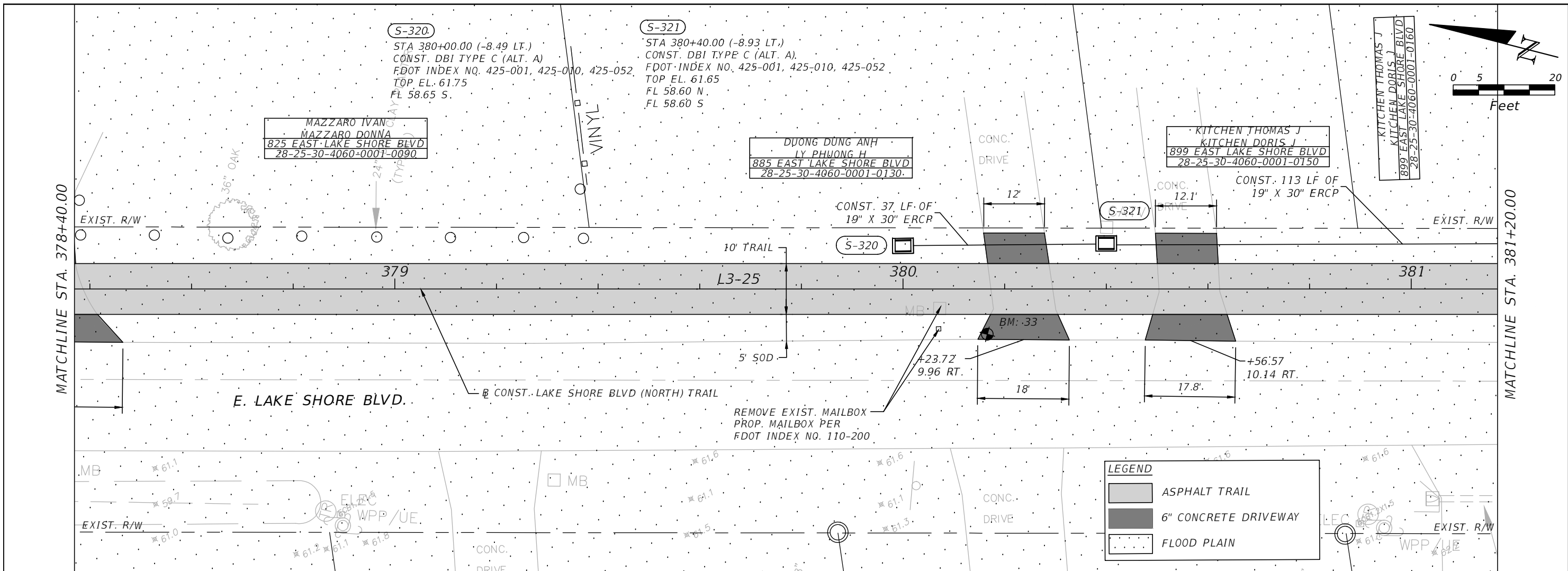


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**EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 28**

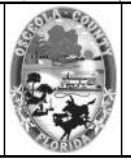
SHEET NO.
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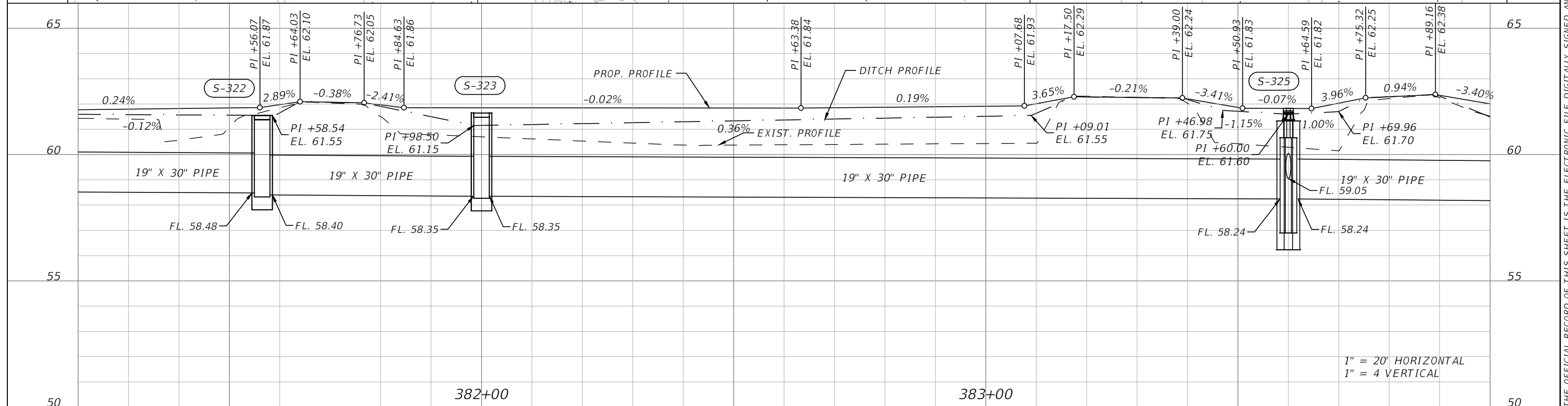
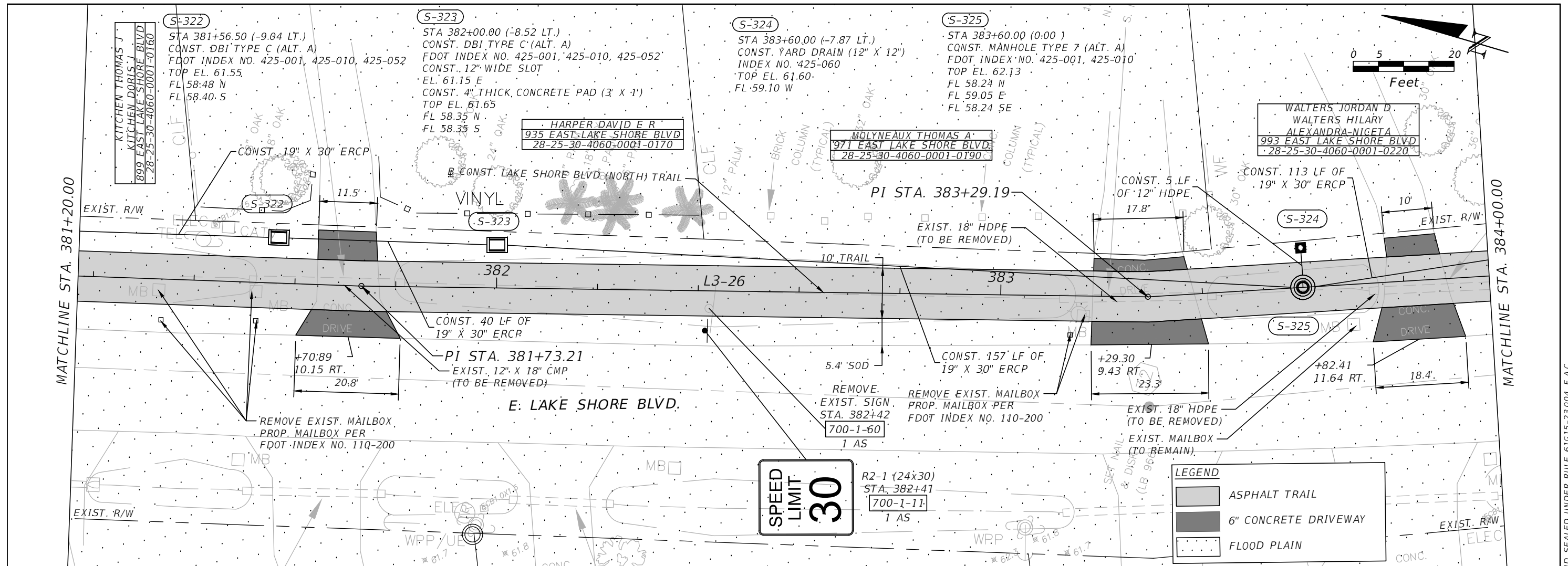


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EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 29

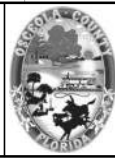
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 Mark F. Bertocini, P.E.
 PE # 63437

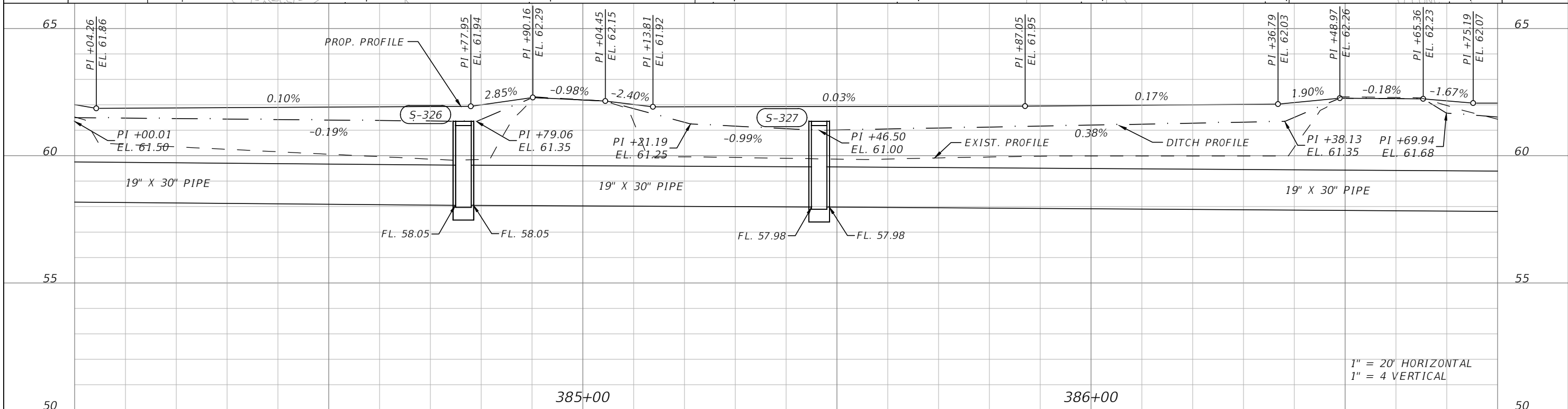
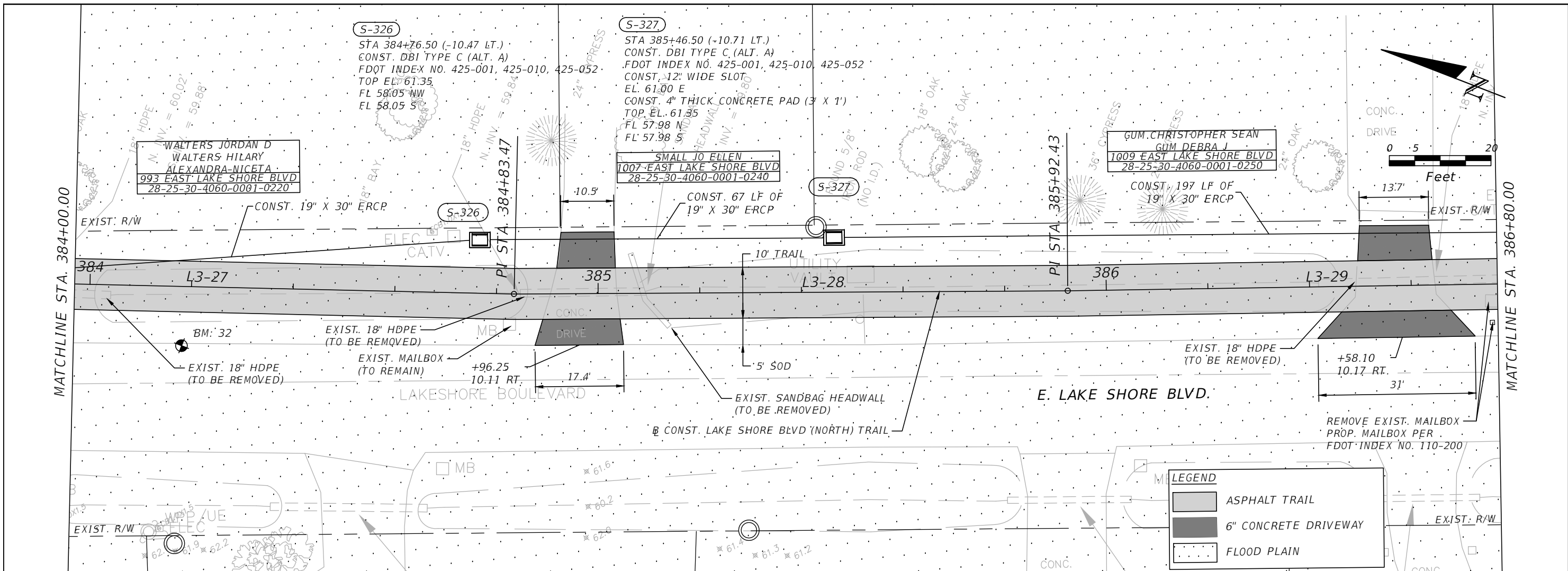


OSCEOLA COUNTY
 FLORIDA

**EAST LAKE SHORE BLVD (NORTH)
 ROADWAY PLAN & PROFILE 30**

SHEET NO.
R-89

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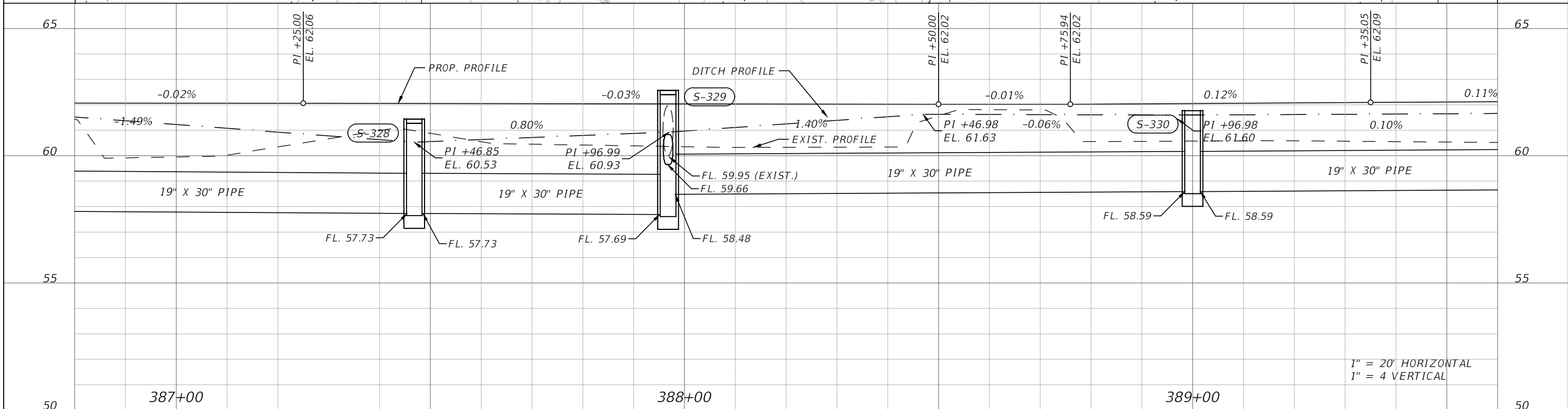
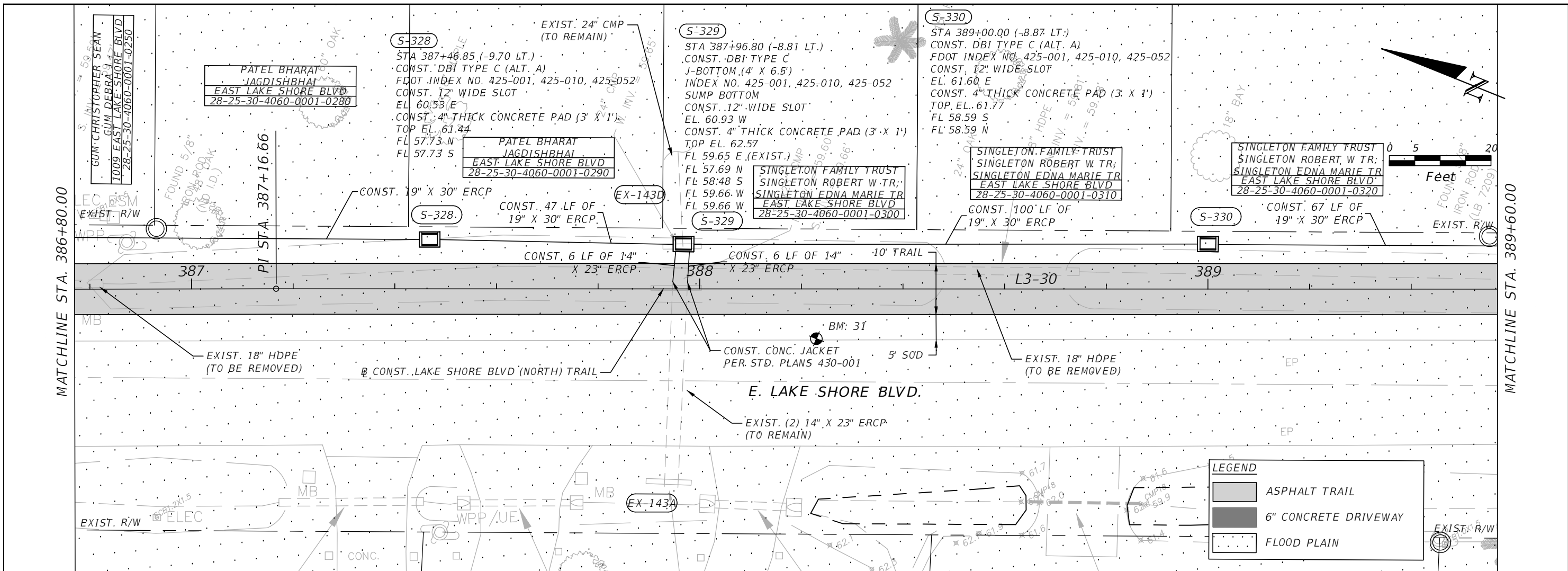


OSCEOLA COUNTY
 FLORIDA

EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 31

SHEET NO.
R-90

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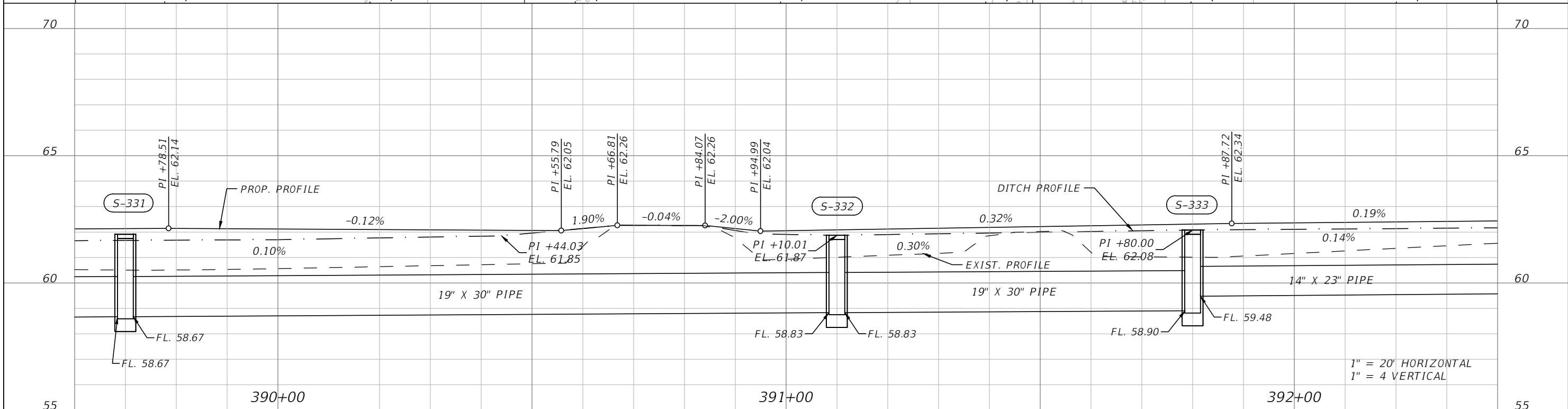
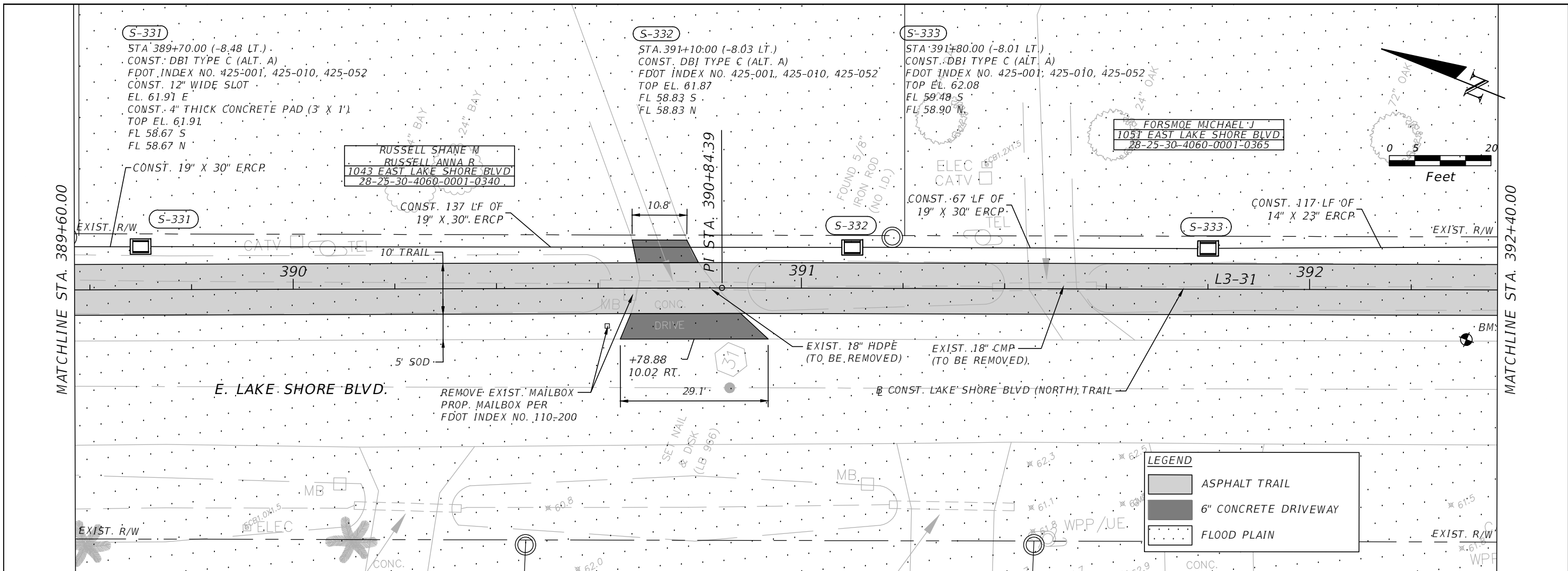

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 OSCEOLA COUNTY
 FLORIDA

EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 32

SHEET NO.	R-91
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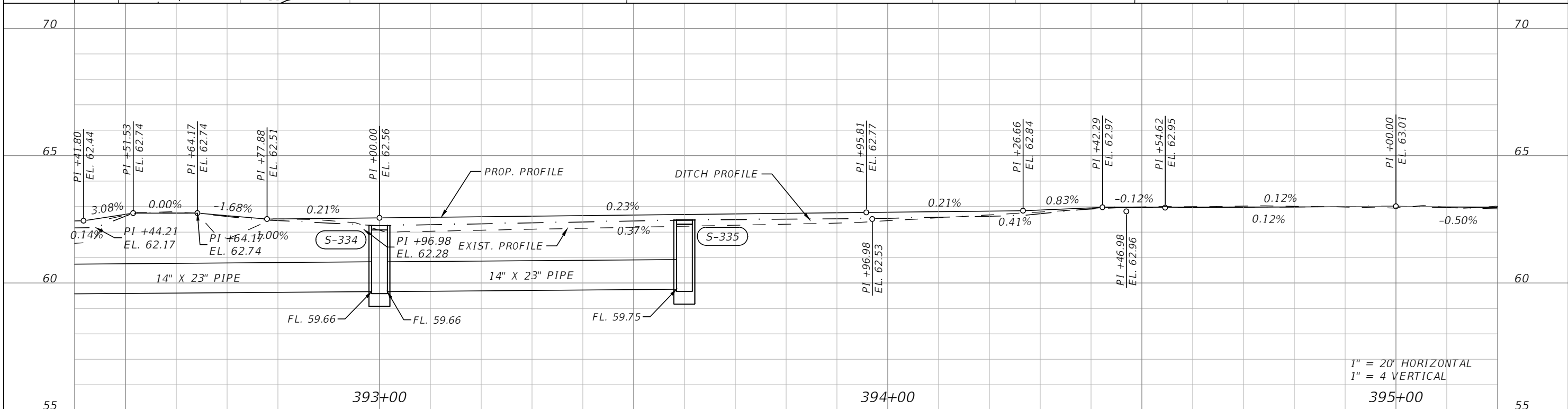
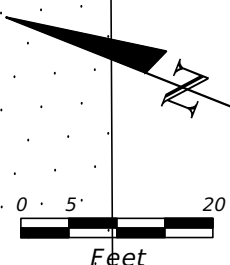
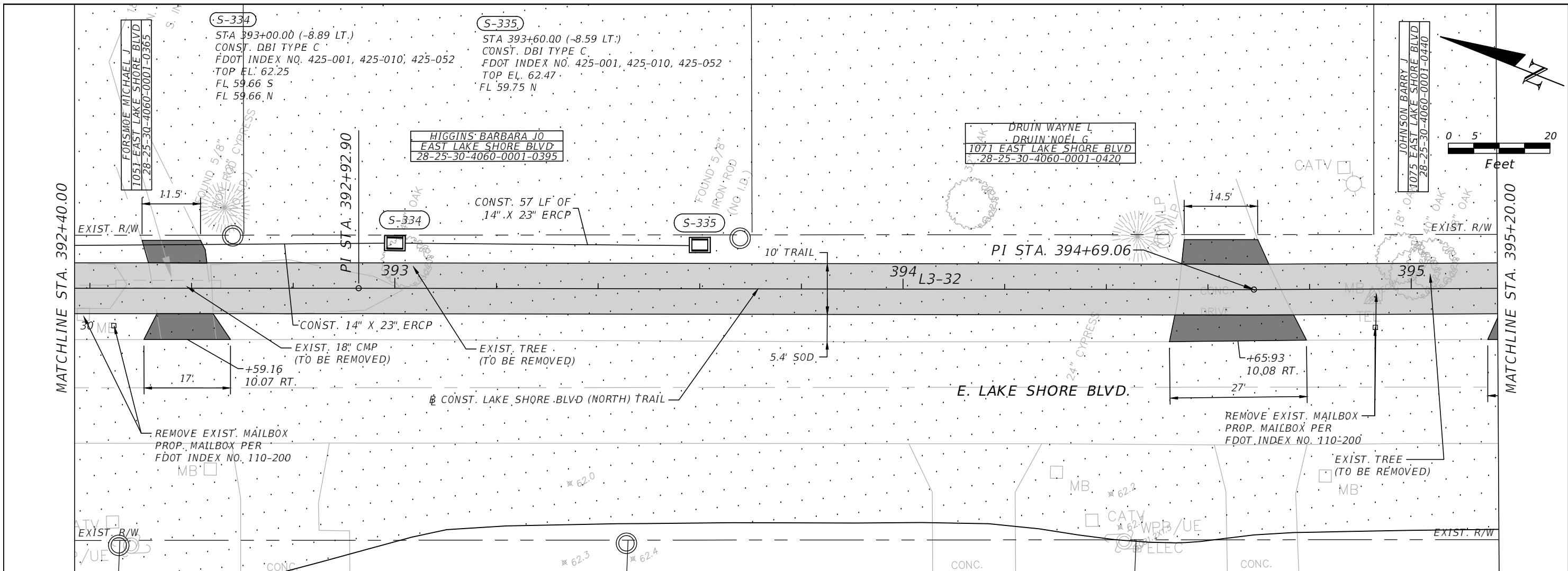


OSCEOLA COUNTY
 FLORIDA

**EAST LAKE SHORE BLVD (NORTH)
 ROADWAY PLAN & PROFILE 33**

SHEET NO.
 R-92

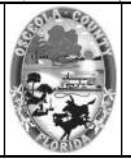
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1" = 20' HORIZONTAL
1" = 4' VERTICAL

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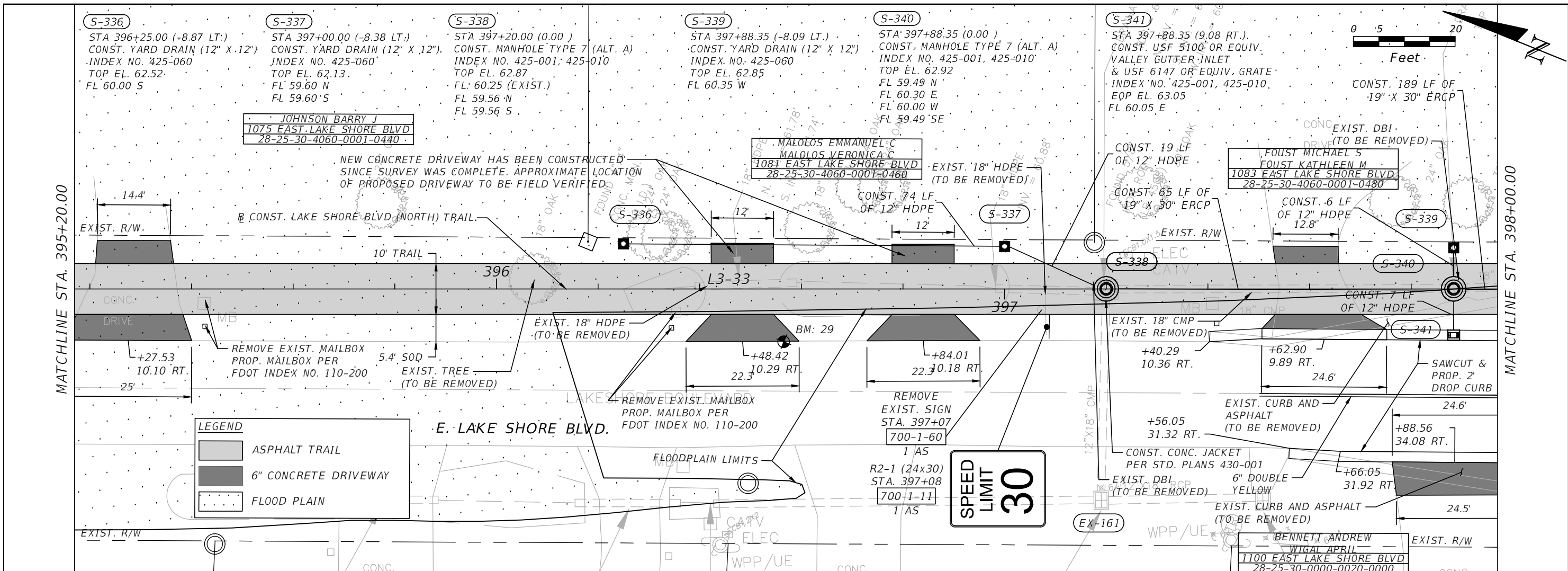


OSCEOLA COUNTY
FLORIDA

**EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 34**

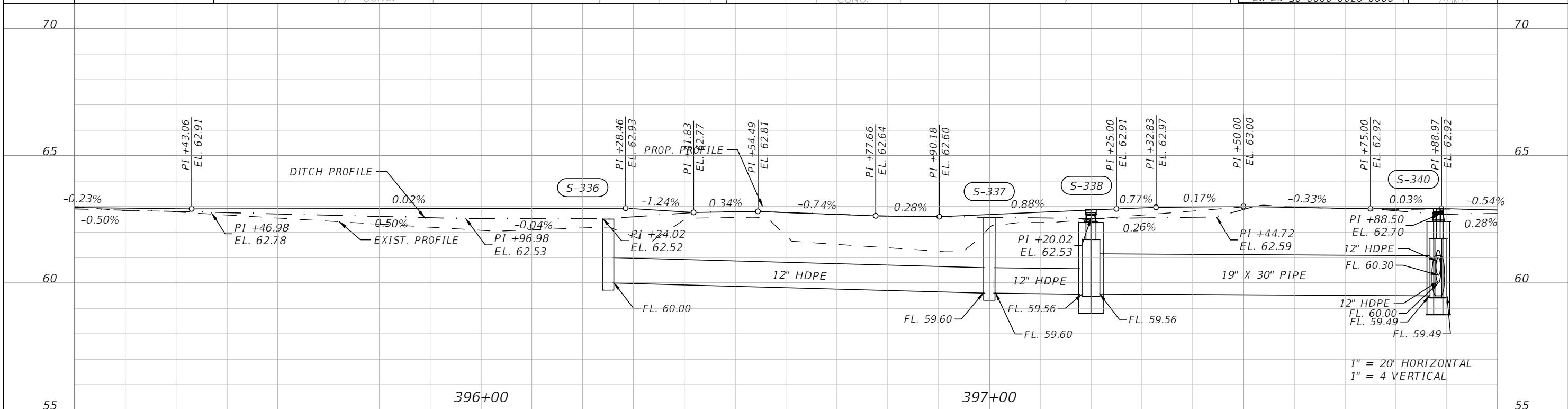
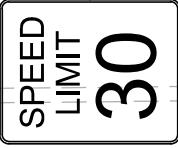
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LEGEND

- ASPHALT TRAIL
- 6" CONCRETE DRIVEWAY
- FLOOD PLAIN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

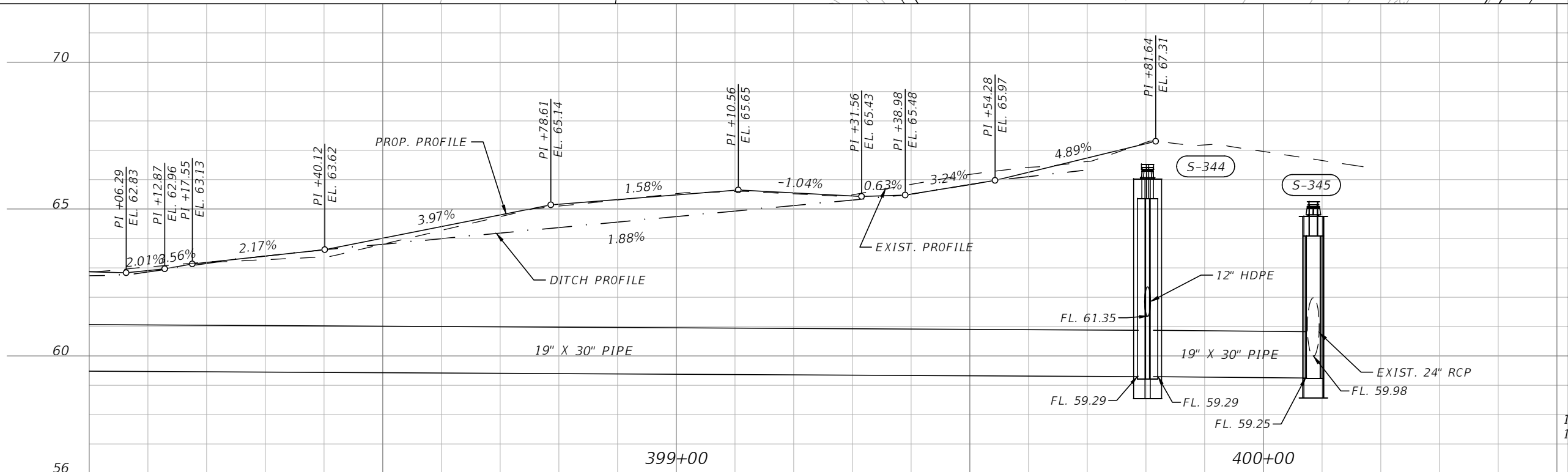
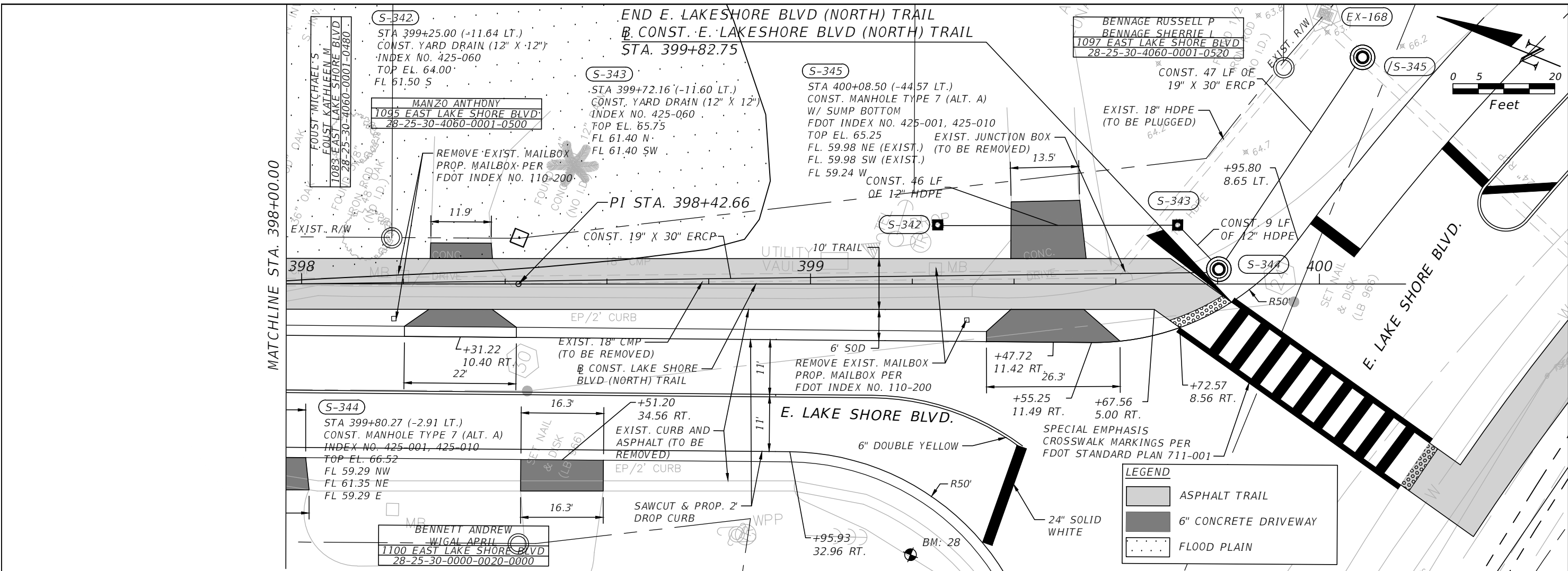
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OSCEOLA COUNTY
FLORIDA

**EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 35**

SHEET NO.
R-94

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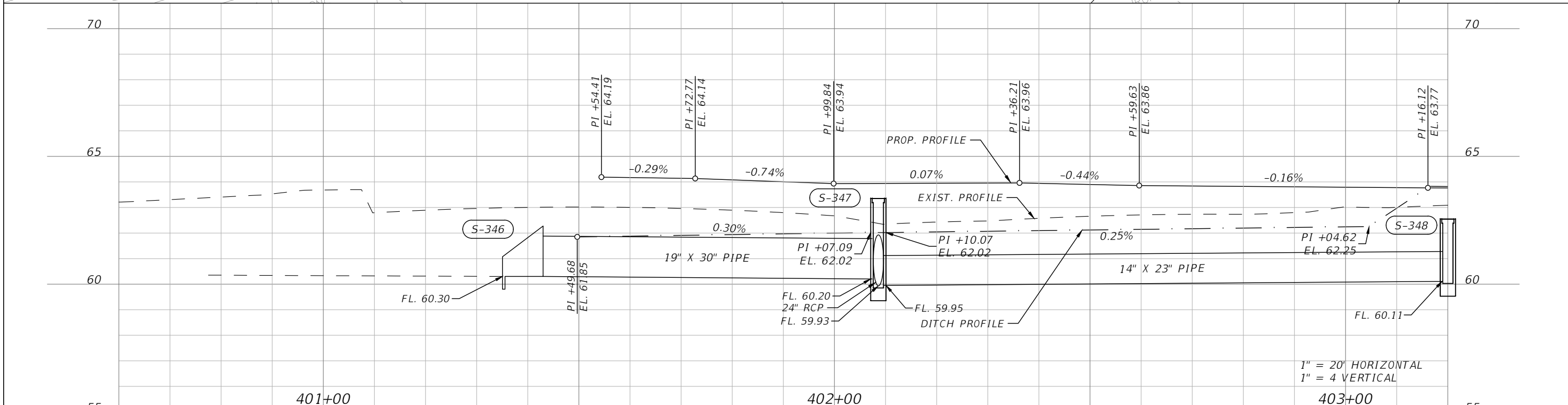
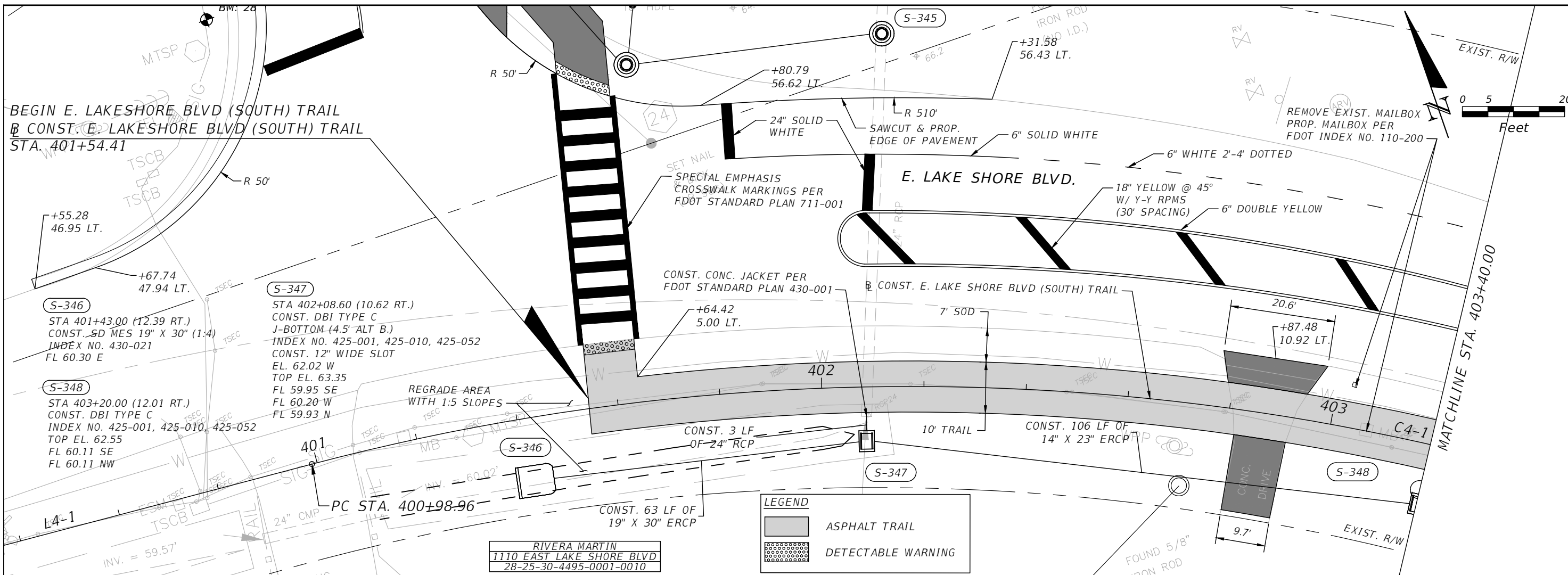
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OSCEOLA COUNTY
FLORIDA

EAST LAKE SHORE BLVD (NORTH)
ROADWAY PLAN & PROFILE 36

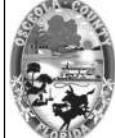
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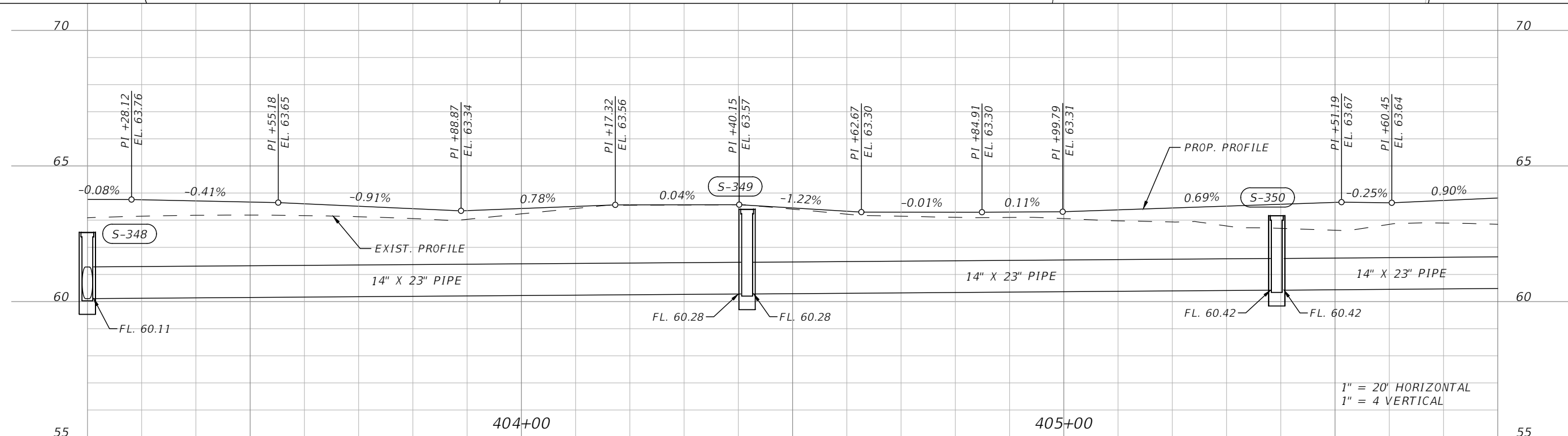
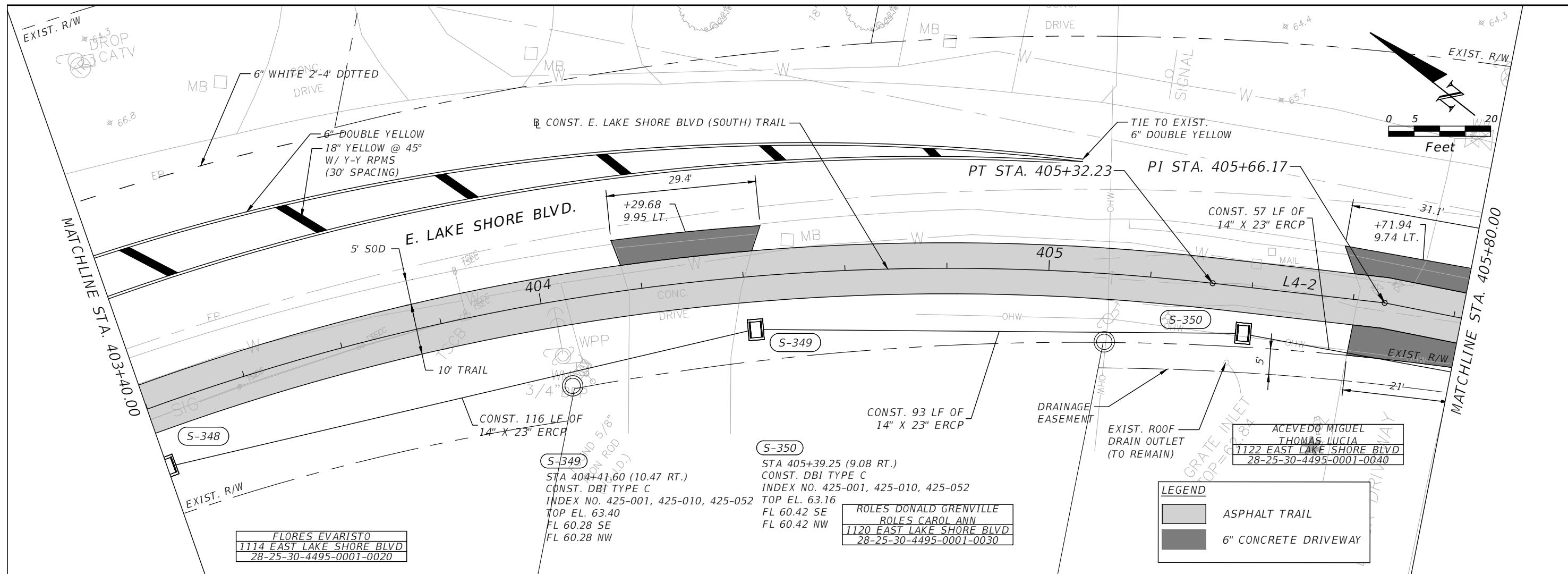

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LAKESHORE BOULEVARD (SOUTH)
ROADWAY PLAN & PROFILE 1

SHEET NO.
R-96

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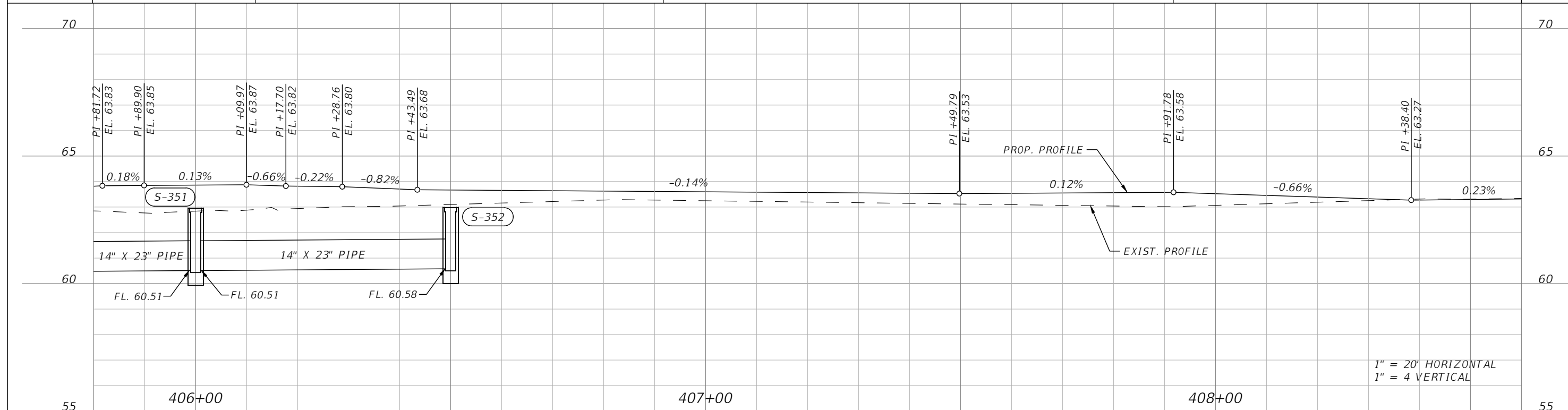
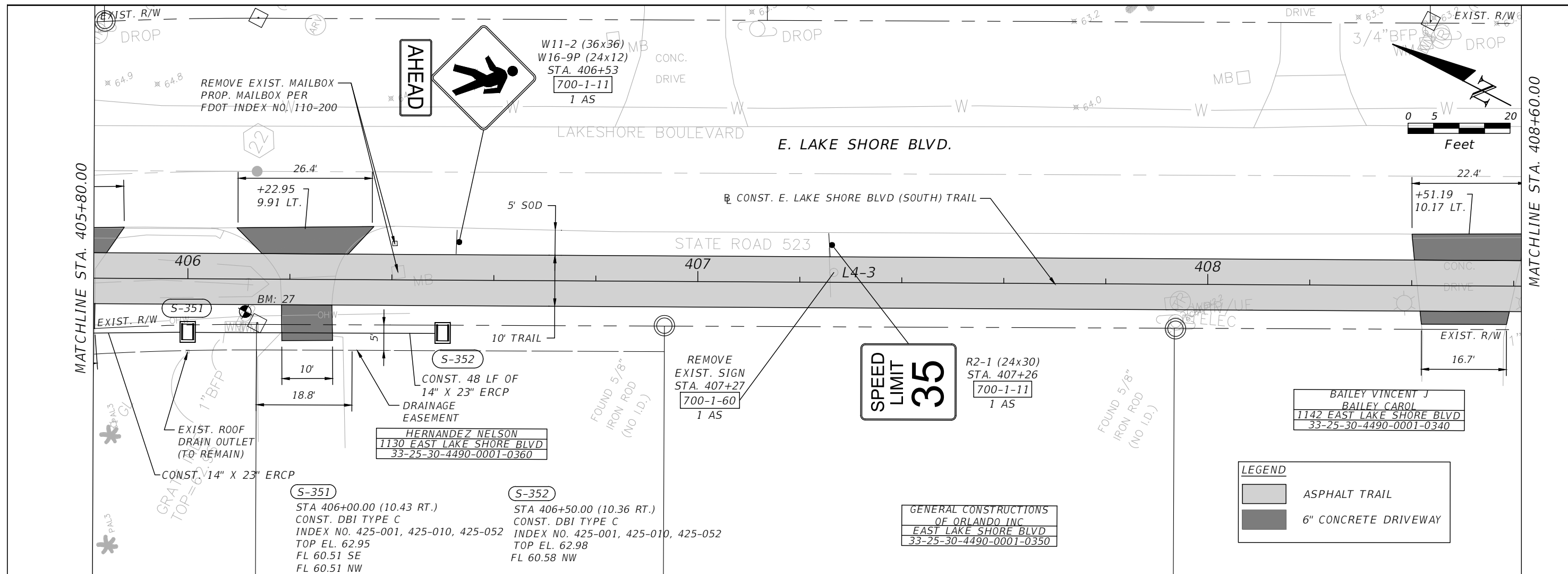
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OSCEOLA COUNTY
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LAKESHORE BOULEVARD (SOUTH)
ROADWAY PLAN & PROFILE 2

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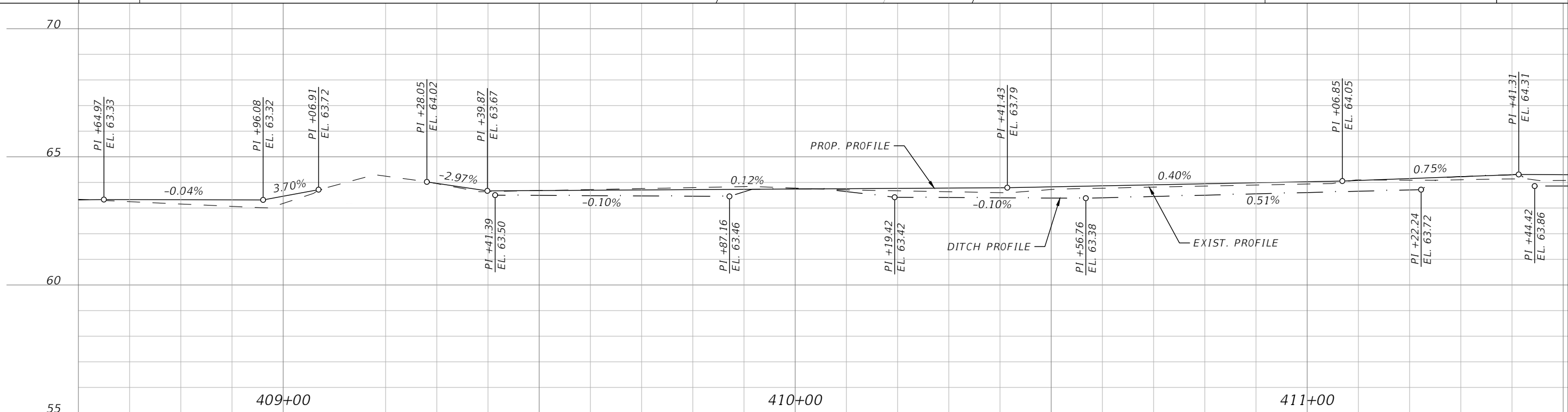
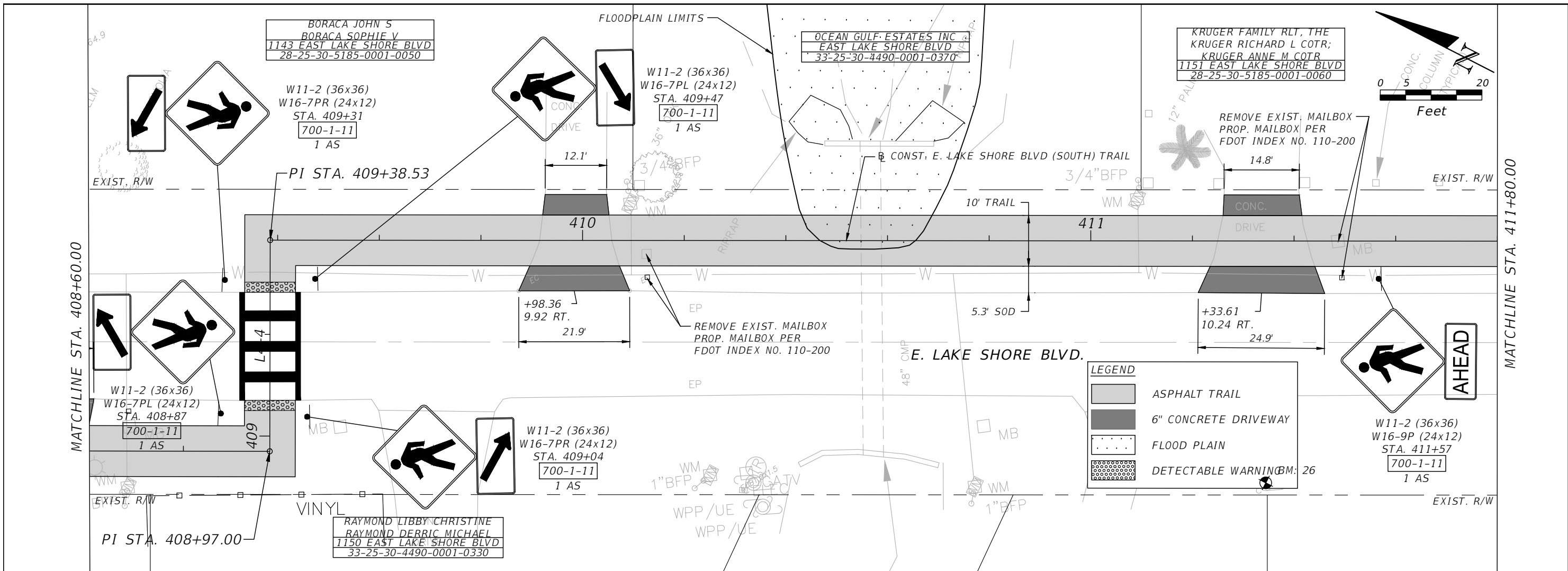

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LAKESHORE BOULEVARD (SOUTH)
 ROADWAY PLAN & PROFILE 3

SHEET NO.
 R-98

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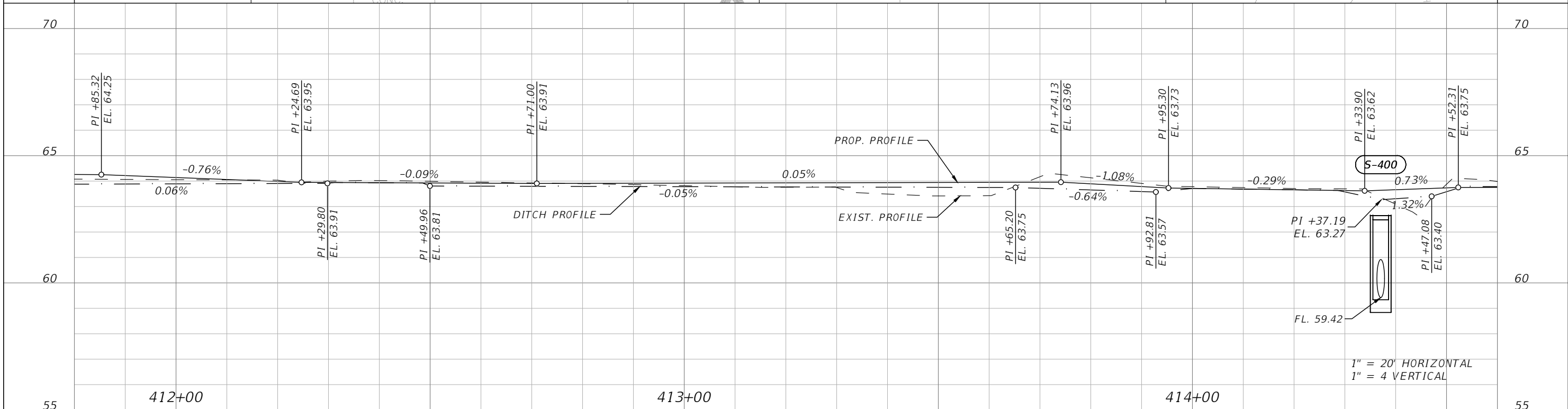
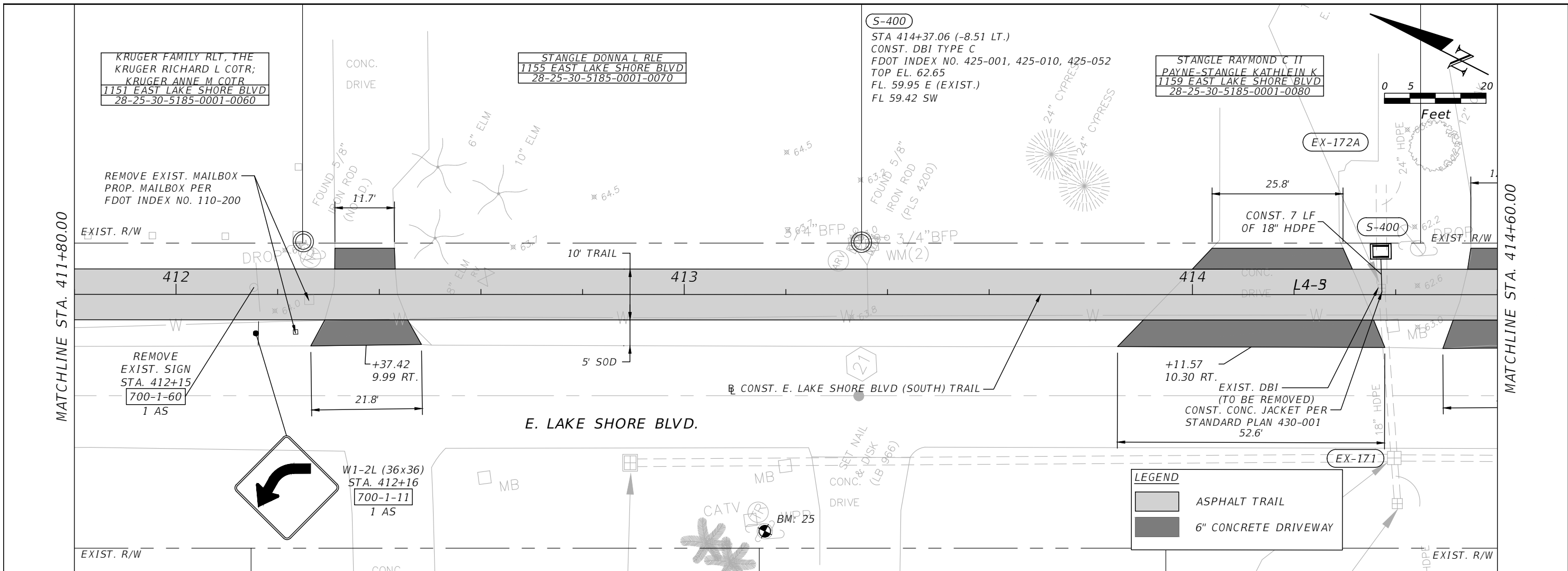
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OSCEOLA COUNTY
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LAKESHORE BOULEVARD (SOUTH)
ROADWAY PLAN & PROFILE 4

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R-99

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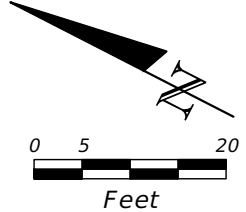
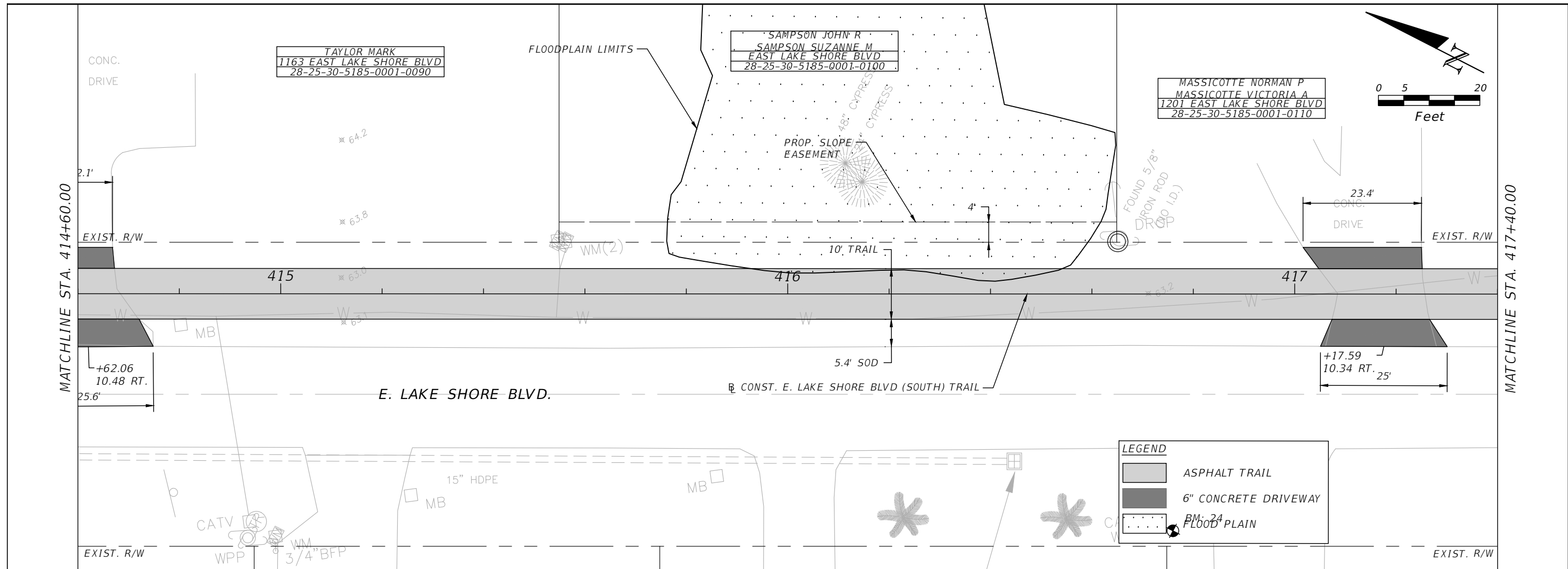

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 OSCEOLA COUNTY
 FLORIDA

LAKESHORE BOULEVARD (SOUTH)
 ROADWAY PLAN & PROFILE 5

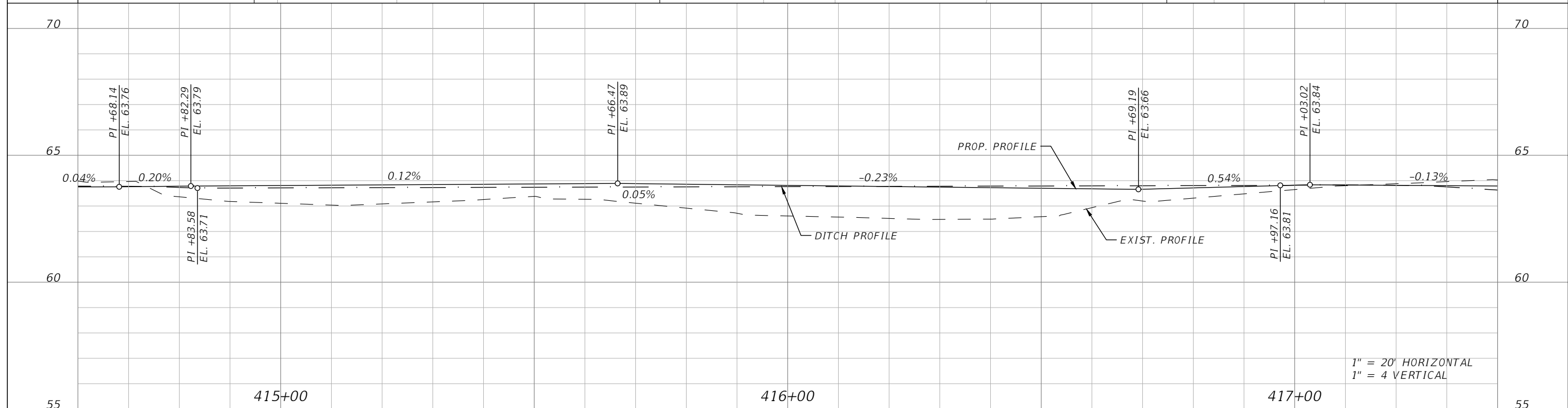
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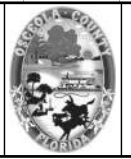
LEGEND

- ASPHALT TRAIL
- 6" CONCRETE DRIVEWAY
- FLOOD PLAIN



1" = 20' HORIZONTAL
1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

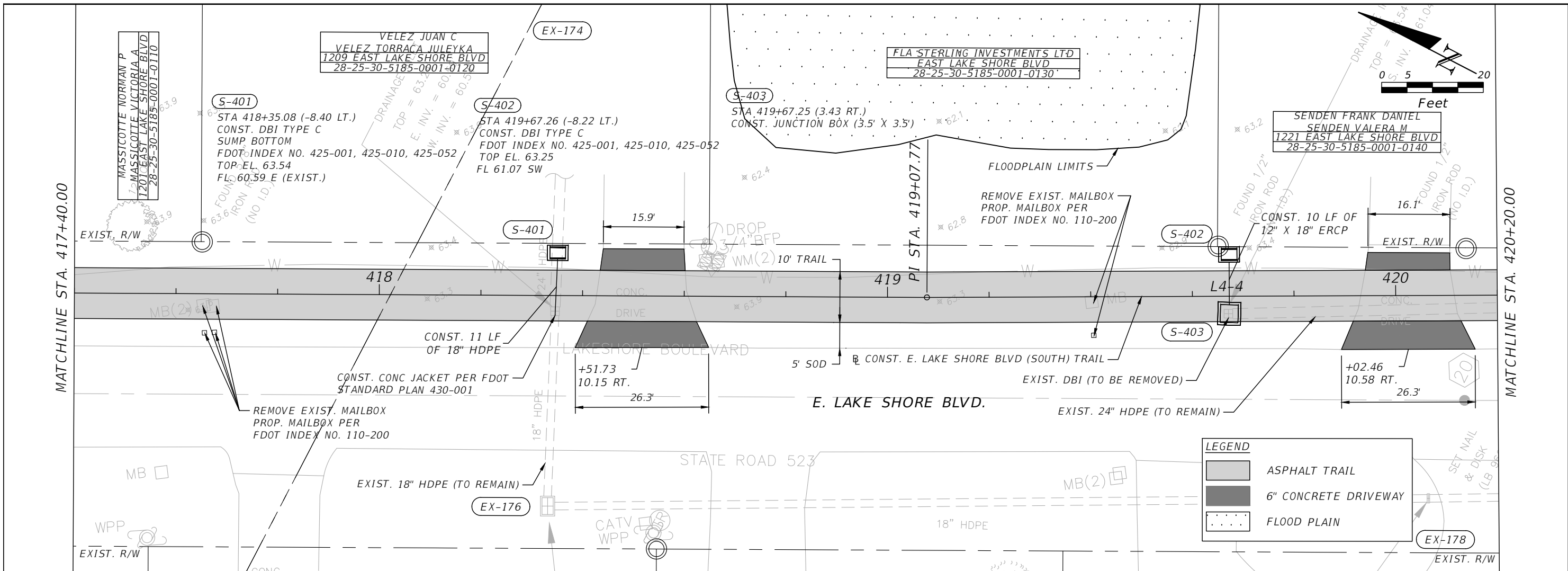


OSCEOLA COUNTY
FLORIDA

LAKESHORE BOULEVARD (SOUTH)
ROADWAY PLAN & PROFILE 6

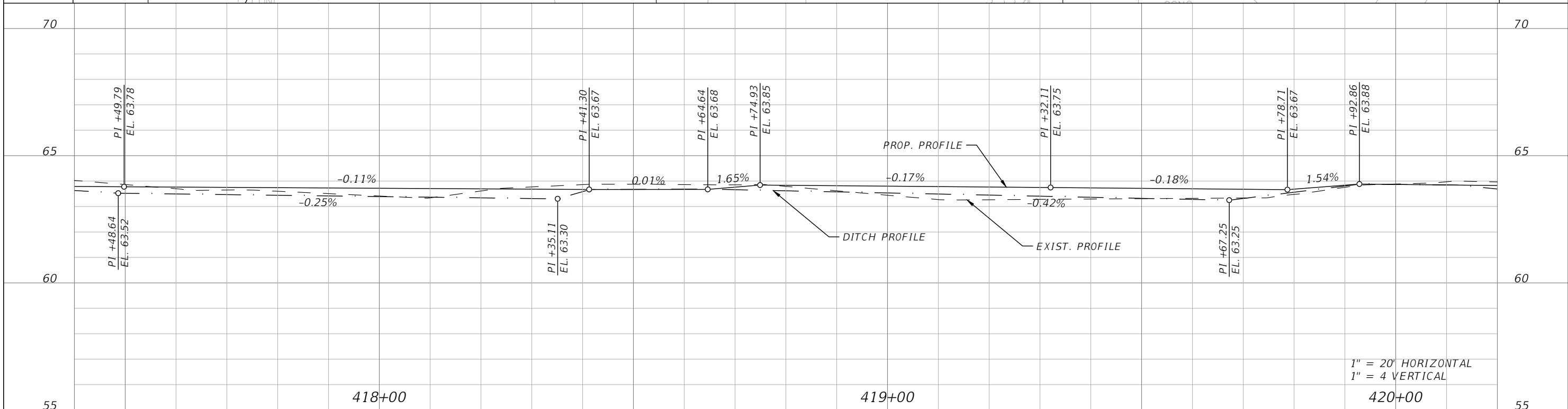
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R-101

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LEGEND

- ASPHALT TRAIL
- 6" CONCRETE DRIVEWAY
- FLOOD PLAIN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

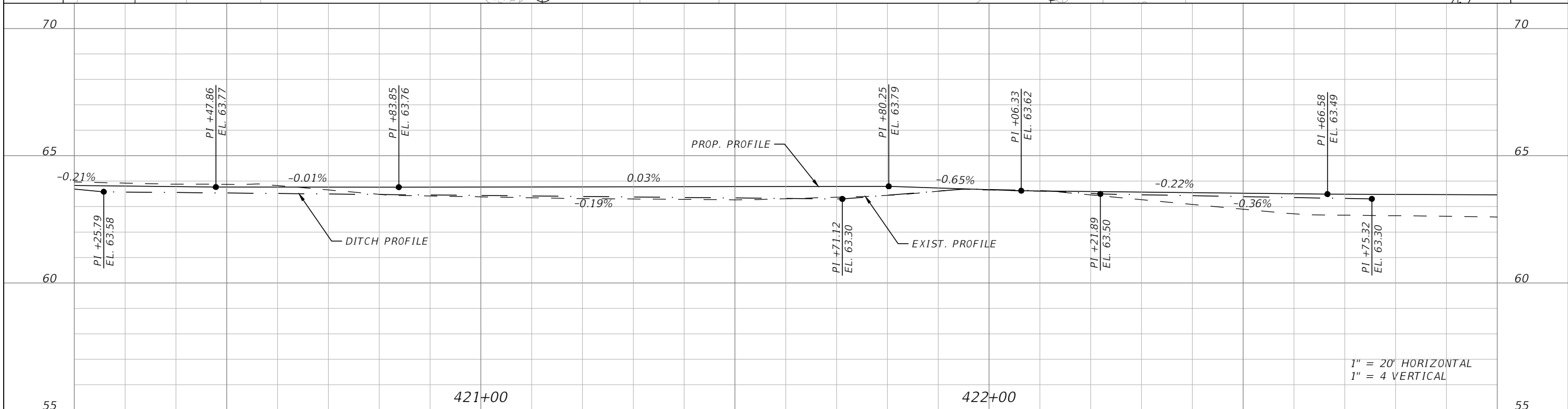
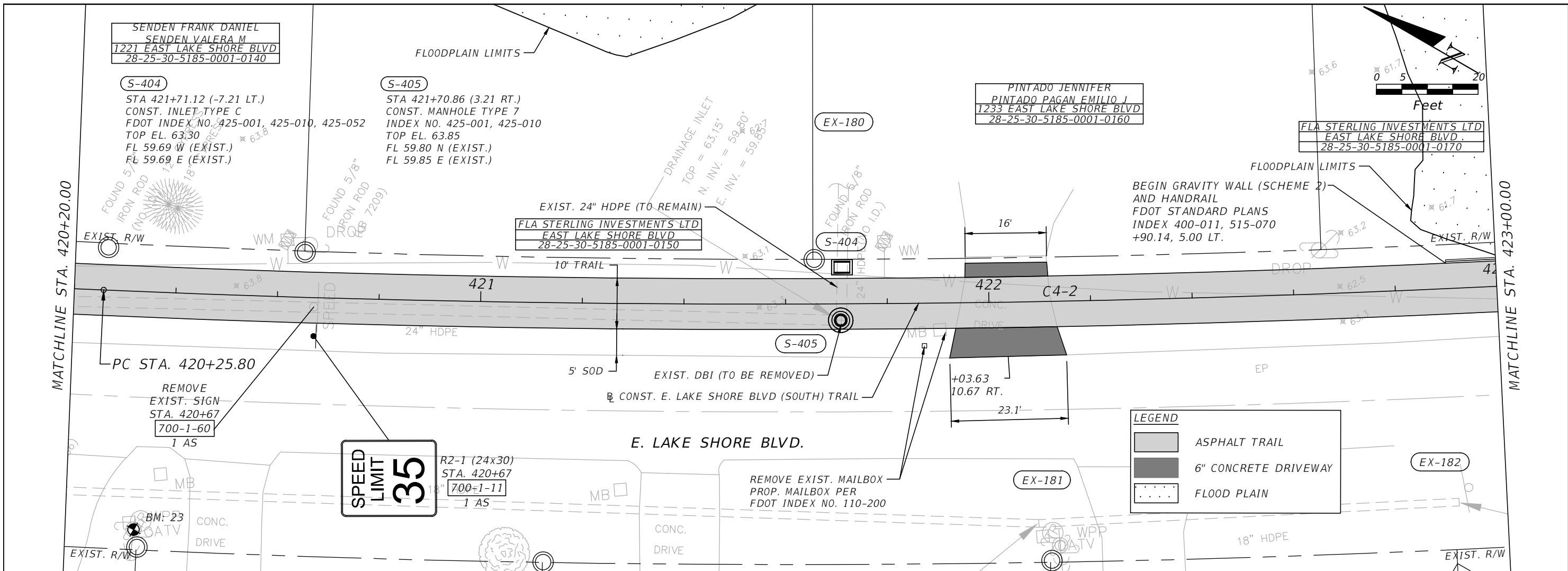
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OSCEOLA COUNTY
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LAKESHORE BOULEVARD (SOUTH)
 ROADWAY PLAN & PROFILE 7

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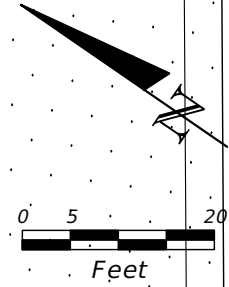
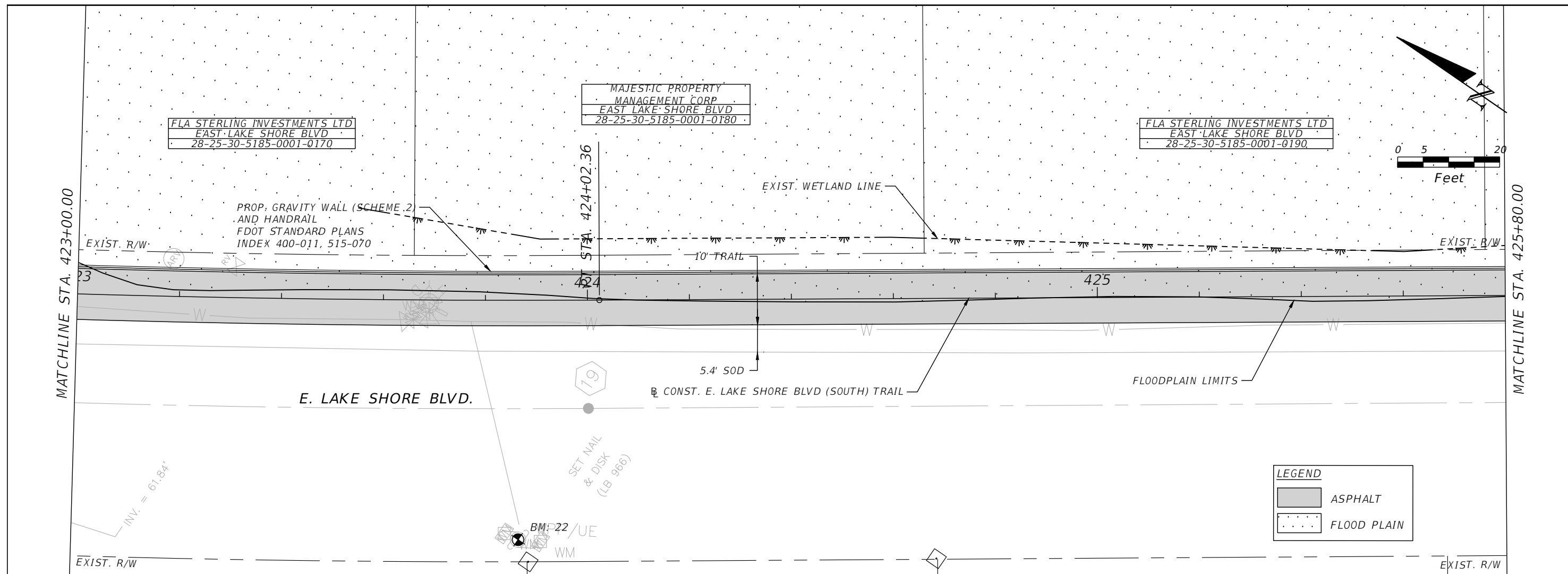


 OSCEOLA COUNTY
 FLORIDA

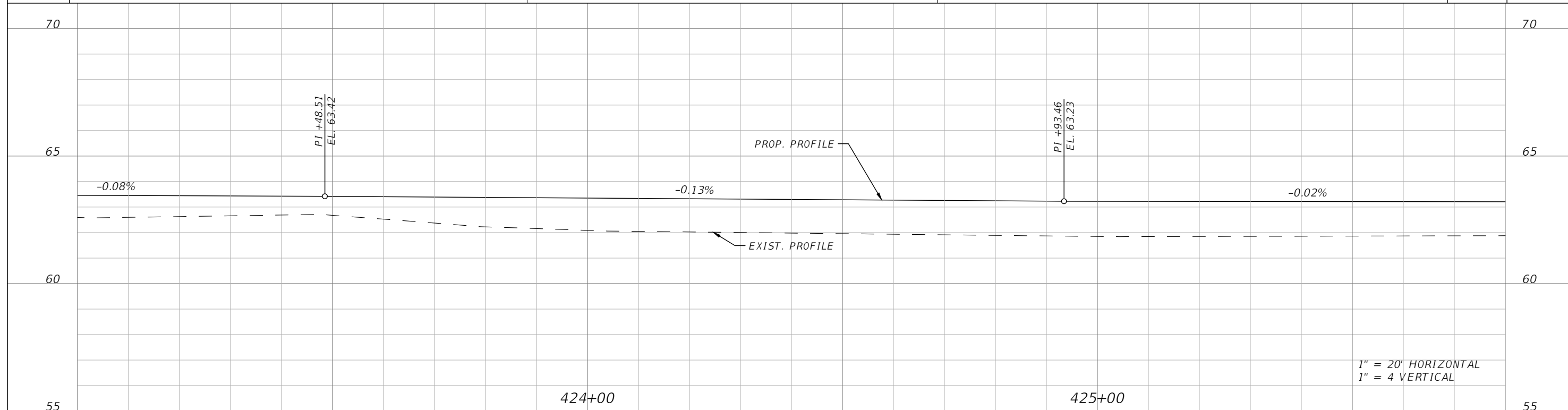
LAKESHORE BOULEVARD (SOUTH)
ROADWAY PLAN & PROFILE 8

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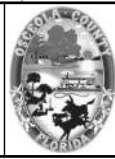
LEGEND	
	ASPHALT
	FLOOD PLAIN



1" = 20' HORIZONTAL
1" = 4' VERTICAL

REVISIONS			
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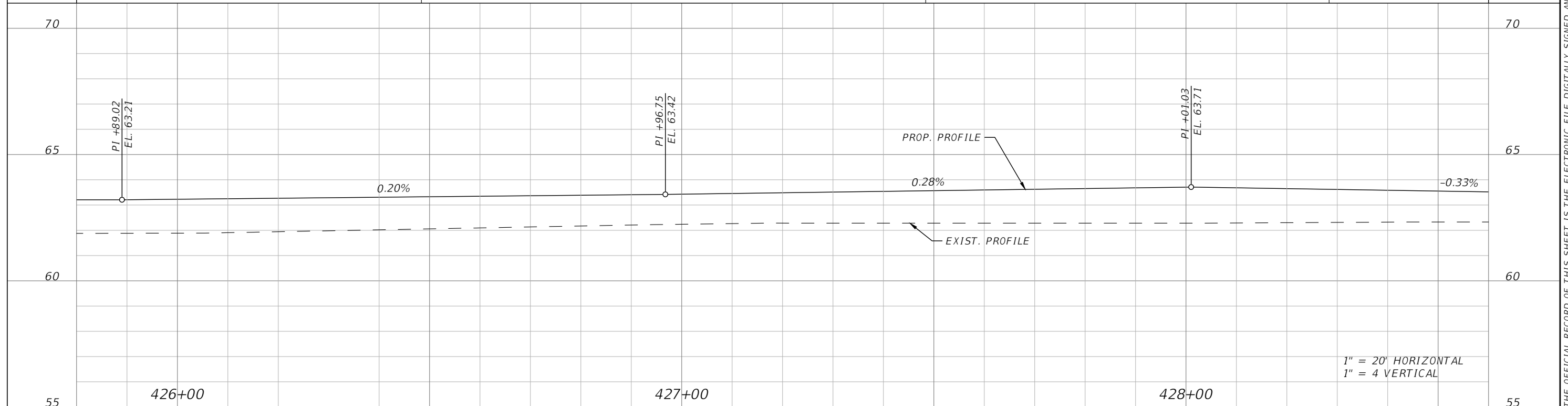
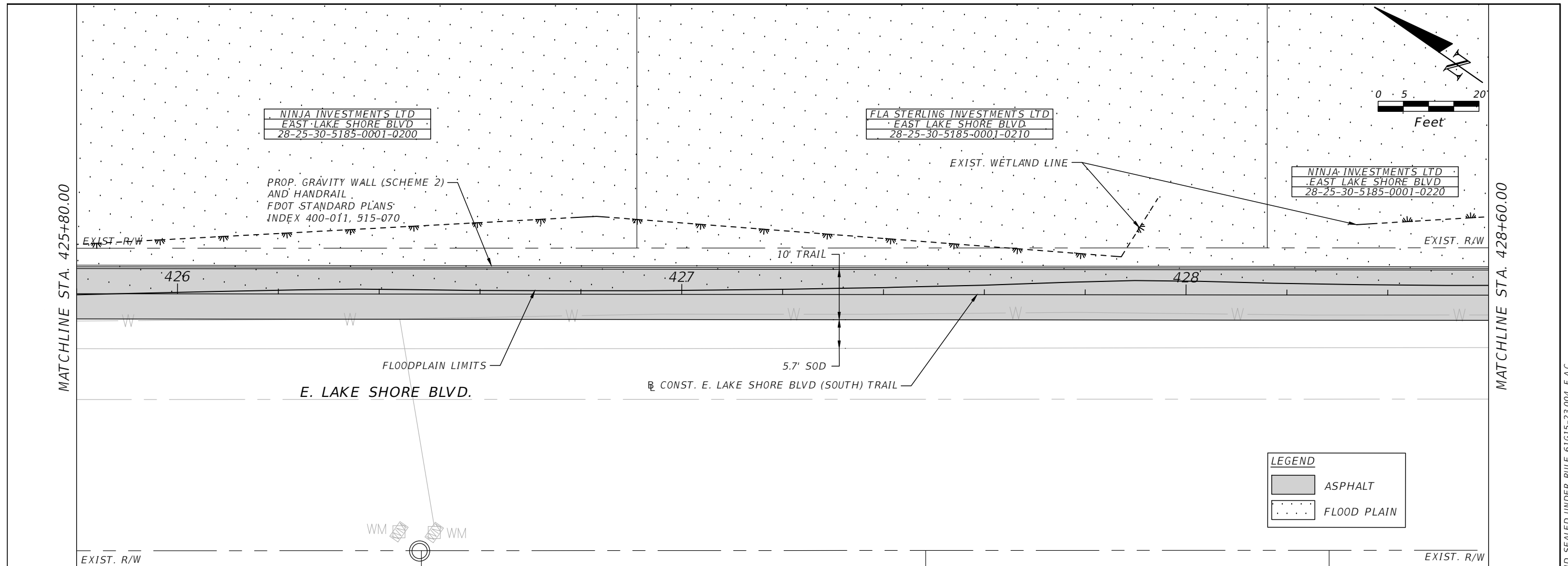


OSCEOLA COUNTY
FLORIDA

LAKESHORE BOULEVARD (SOUTH)
ROADWAY PLAN & PROFILE 9

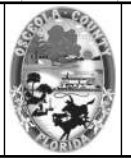
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NO.
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LAKESHORE BOULEVARD (SOUTH)
 ROADWAY PLAN & PROFILE 10

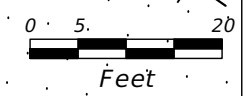
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EAST LAKE SHORE BLVD
28-25-30-5185-0001-0220

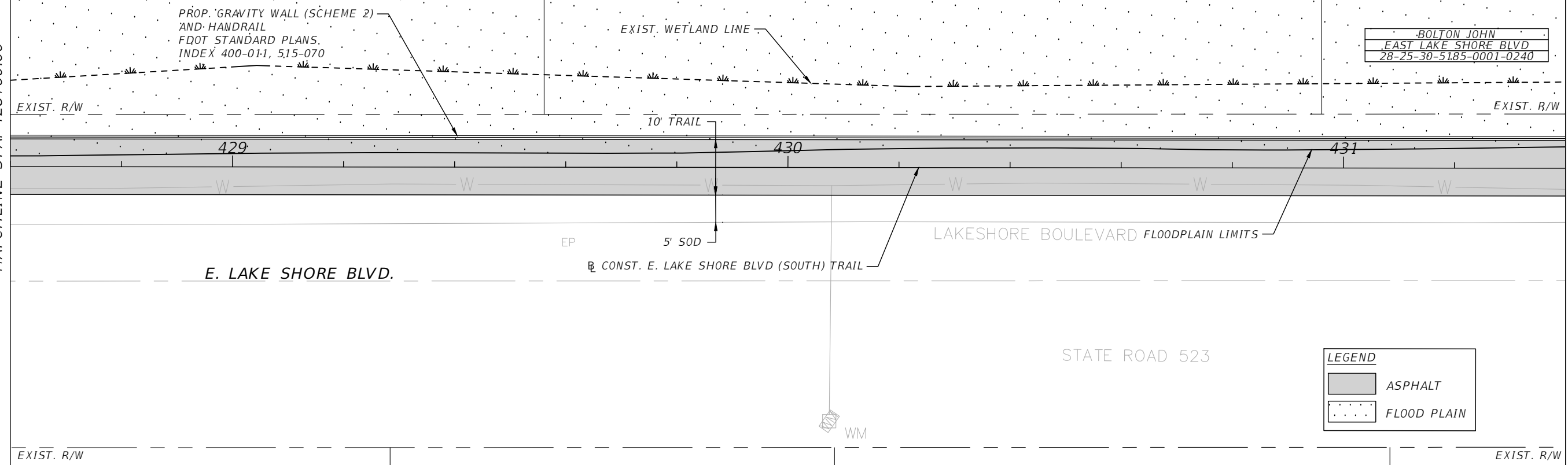
FLA STERLING INVESTMENTS LTD
EAST LAKE SHORE BLVD
28-25-30-5185-0001-0230

BOLTON JOHN
EAST LAKE SHORE BLVD
28-25-30-5185-0001-0240



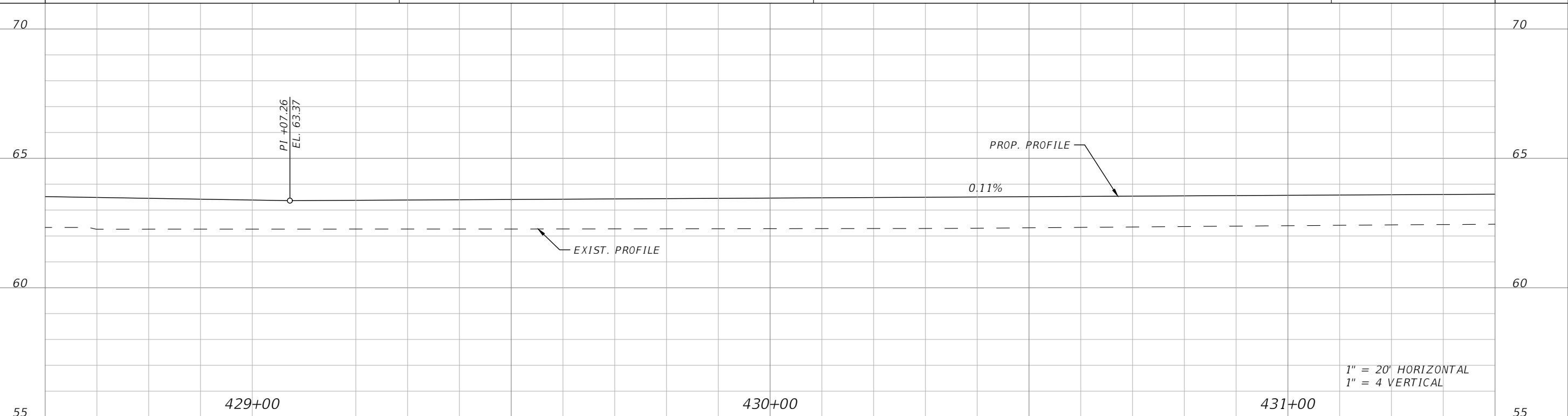
MATCHLINE STA. 428+60.00

MATCHLINE STA. 431+40.00



LEGEND

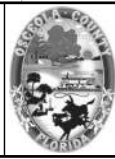
- ASPHALT
- FLOOD PLAIN



1" = 20' HORIZONTAL
1" = 4' VERTICAL

REVISIONS			
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OSCEOLA COUNTY
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LAKESHORE BOULEVARD (SOUTH)
ROADWAY PLAN & PROFILE 11

SHEET NO.
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BOLTON JOHN
EAST LAKE SHORE BLVD
28-25-30-5185-0001-0240

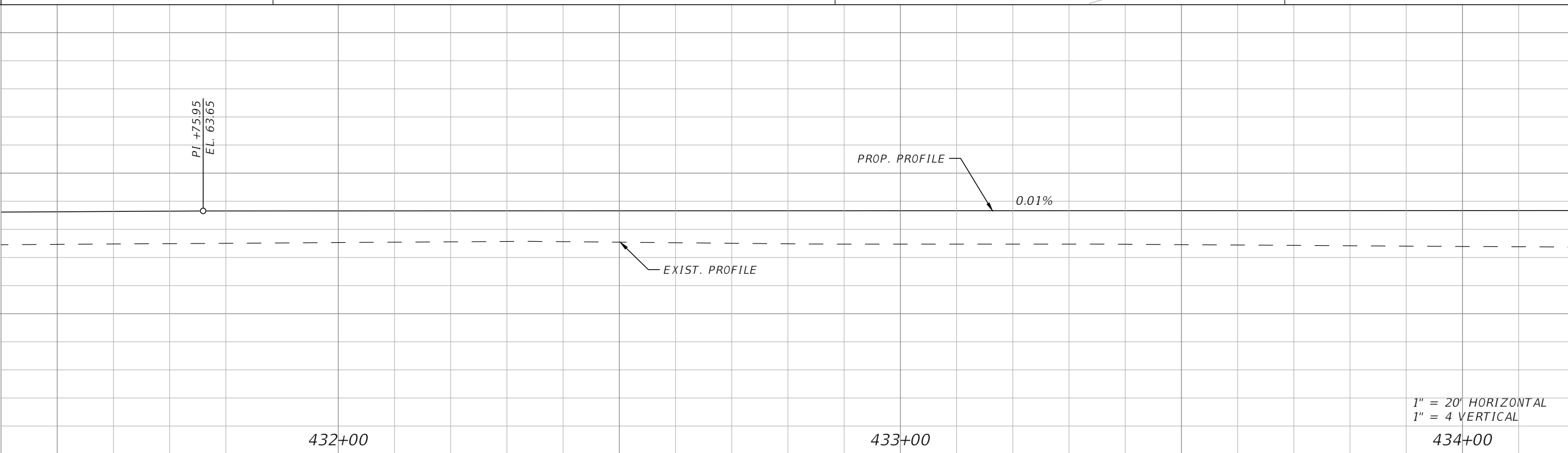
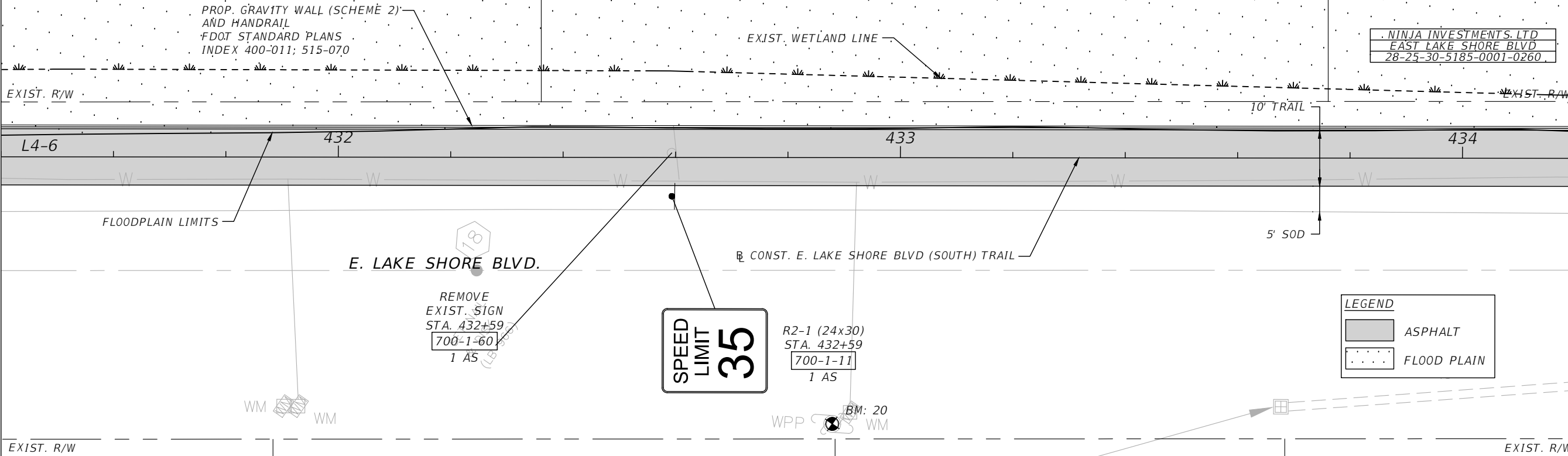
FLA STERLING INVESTMENTS LTD
EAST LAKE SHORE BLVD
28-25-30-5185-0001-0250

NINJA INVESTMENTS LTD
EAST LAKE SHORE BLVD
28-25-30-5185-0001-0260



MATCHLINE STA. 431+40.00

MATCHLINE STA. 434+20.00



1" = 20' HORIZONTAL
1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

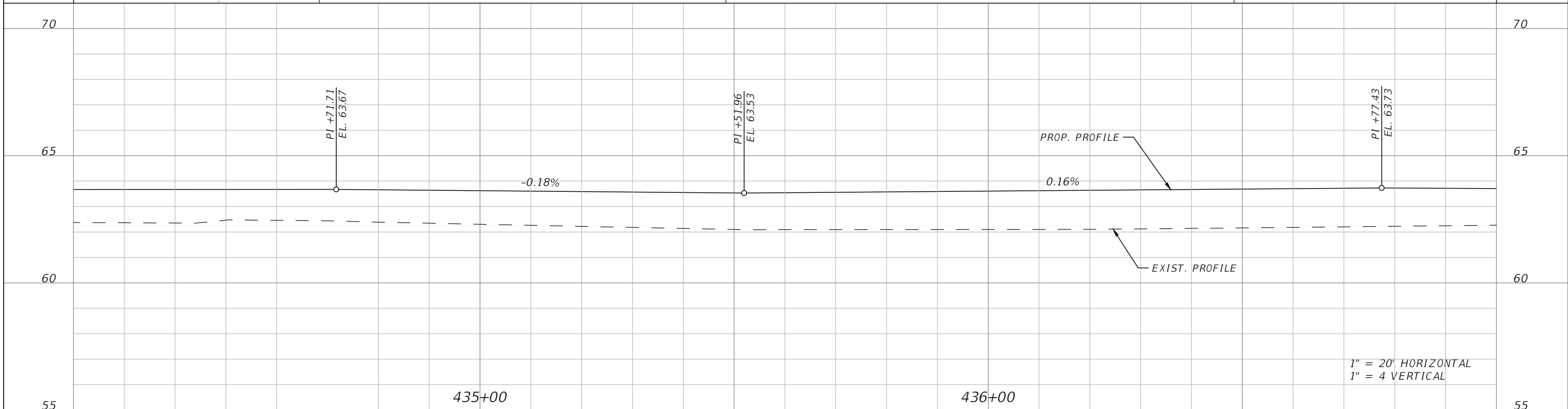
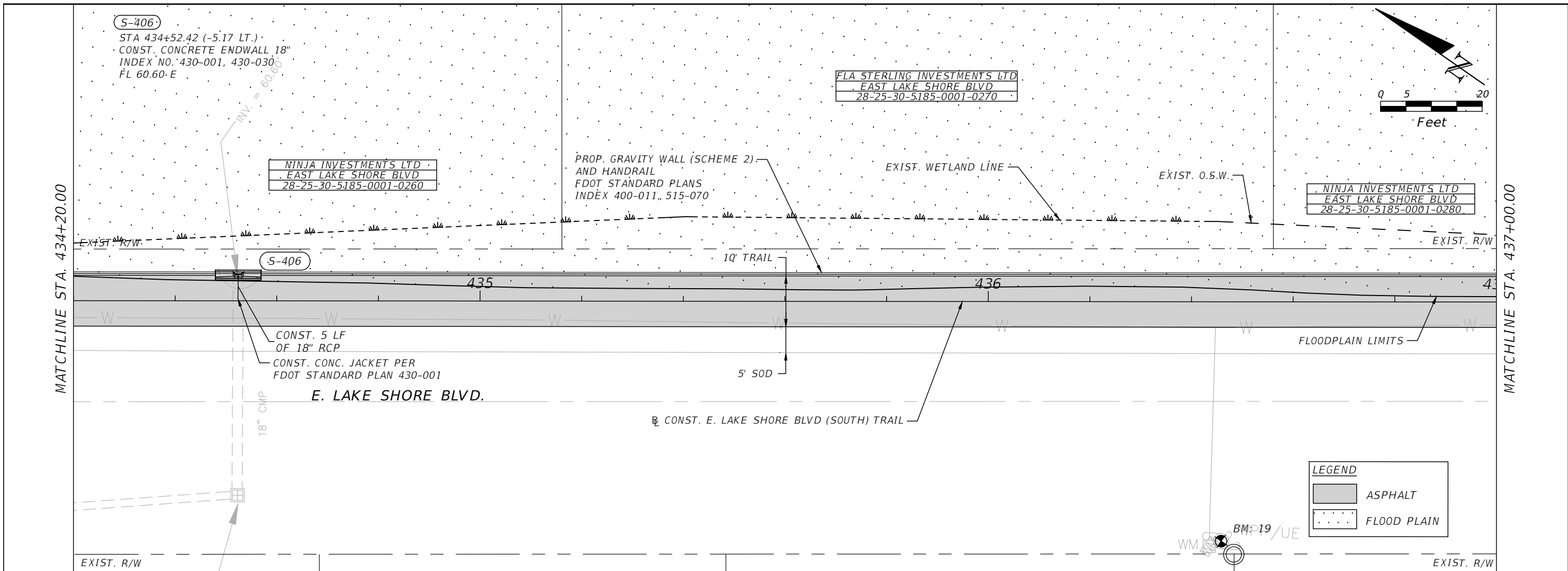


OSCEOLA COUNTY
FLORIDA

LAKESHORE BOULEVARD (SOUTH)
ROADWAY PLAN & PROFILE 12

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OSCEOLA COUNTY
FLORIDA

LAKESHORE BOULEVARD (SOUTH)
ROADWAY PLAN & PROFILE 13

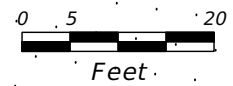
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EAST LAKE SHORE BLVD
28-25-30-5185-0001-0280

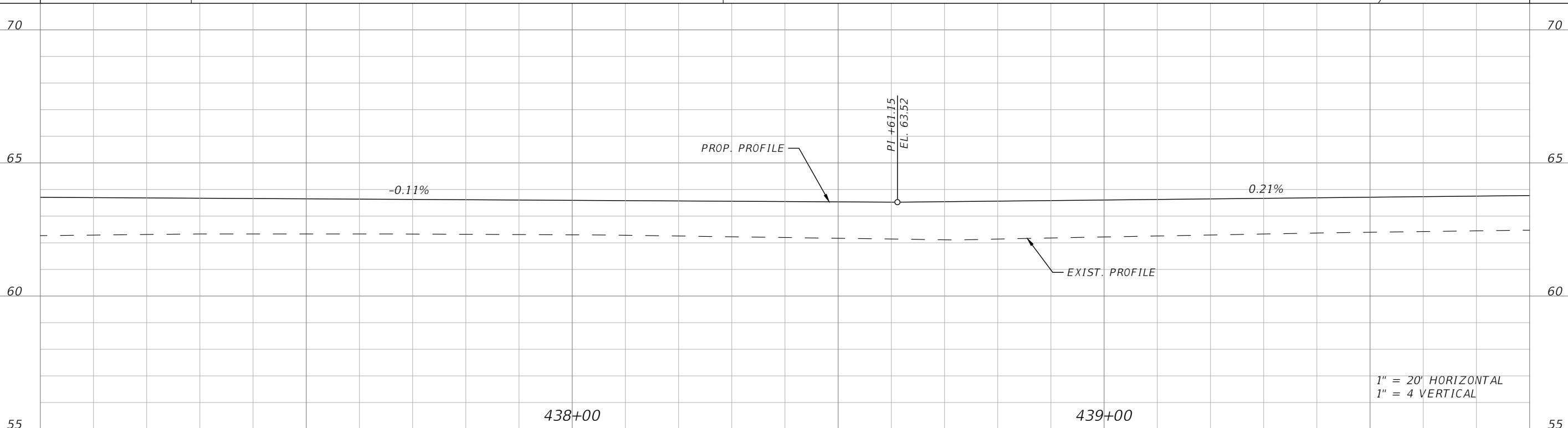
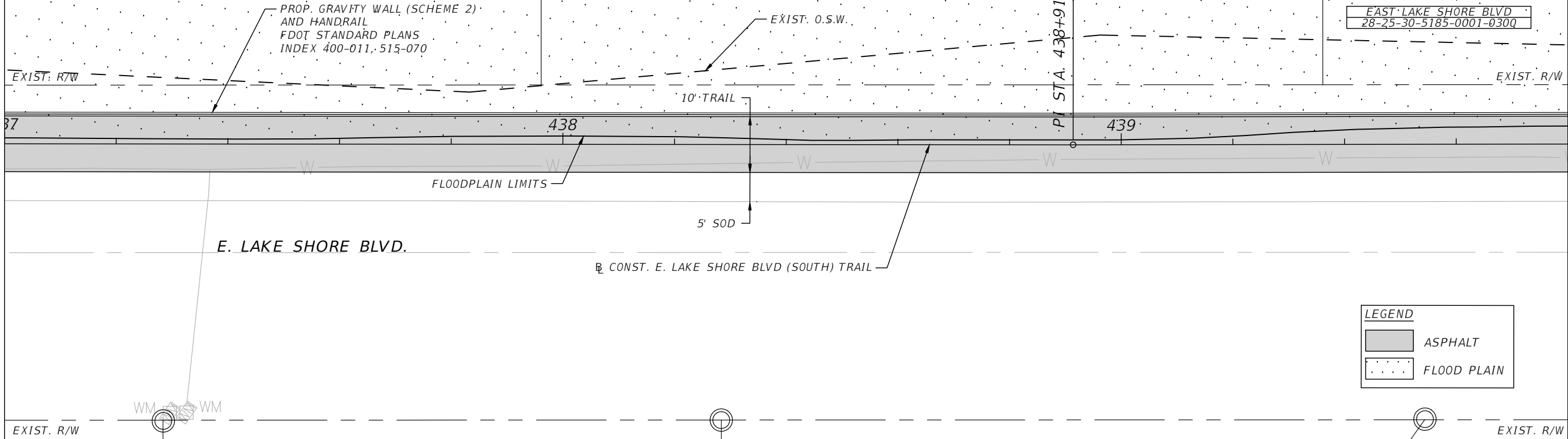
FLA. STERLING INVESTMENTS LTD
EAST LAKE SHORE BLVD
28-25-30-5185-0001-0290

EAST LAKE SHORE BLVD
28-25-30-5185-0001-0300



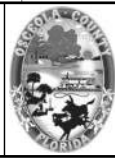
MATCHLINE STA. 437+00.00

MATCHLINE STA. 439+80.00



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

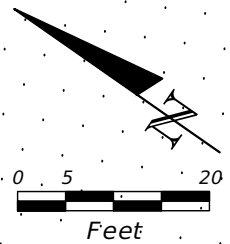
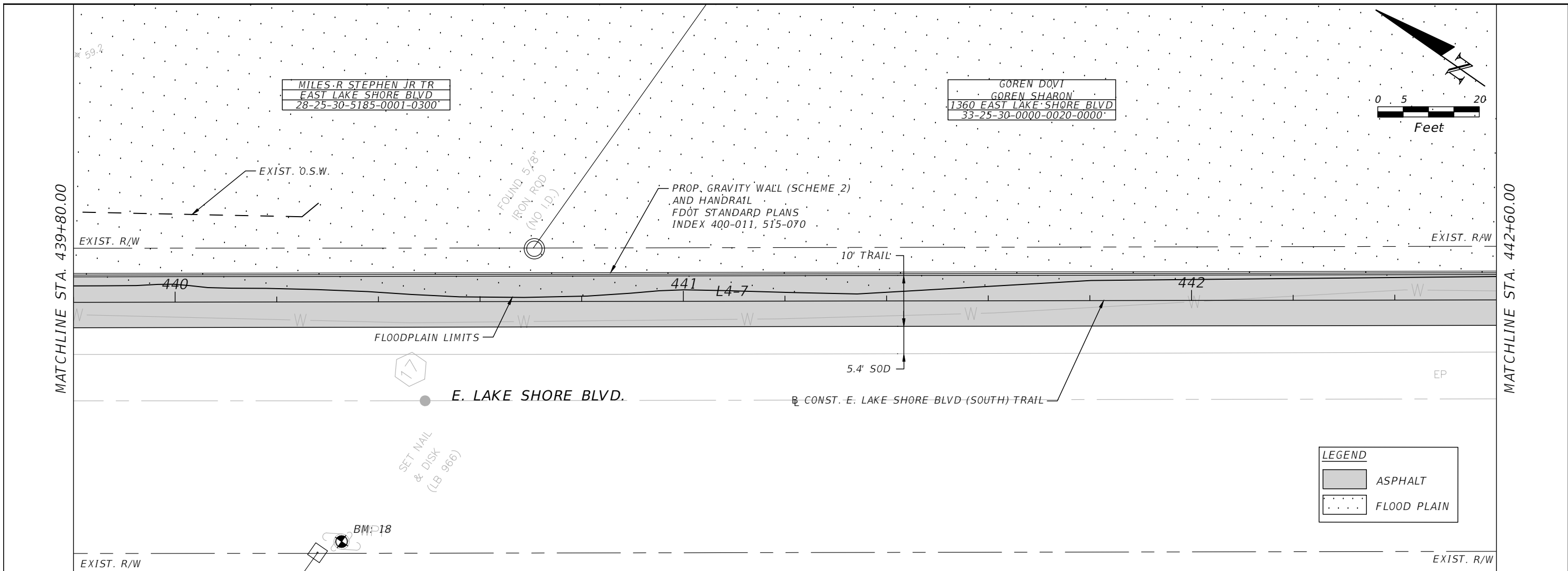


OSCEOLA COUNTY
FLORIDA

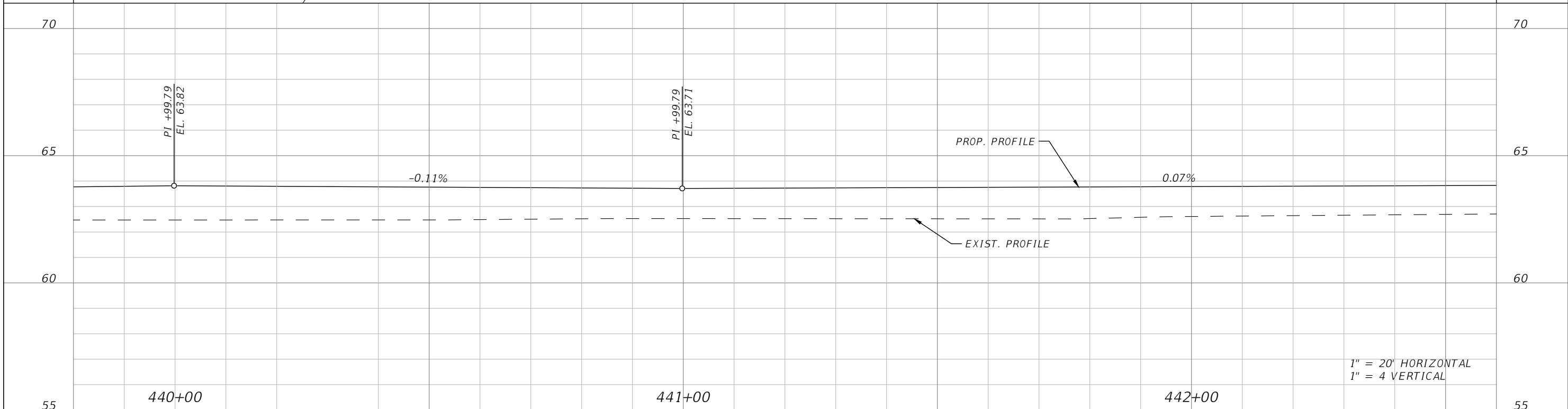
LAKESHORE BOULEVARD (SOUTH)
ROADWAY PLAN & PROFILE 14

SHEET NO.
R-109

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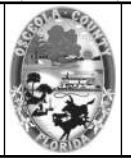
LEGEND	
	ASPHALT
	FLOOD PLAIN



1" = 20' HORIZONTAL
1" = 4' VERTICAL

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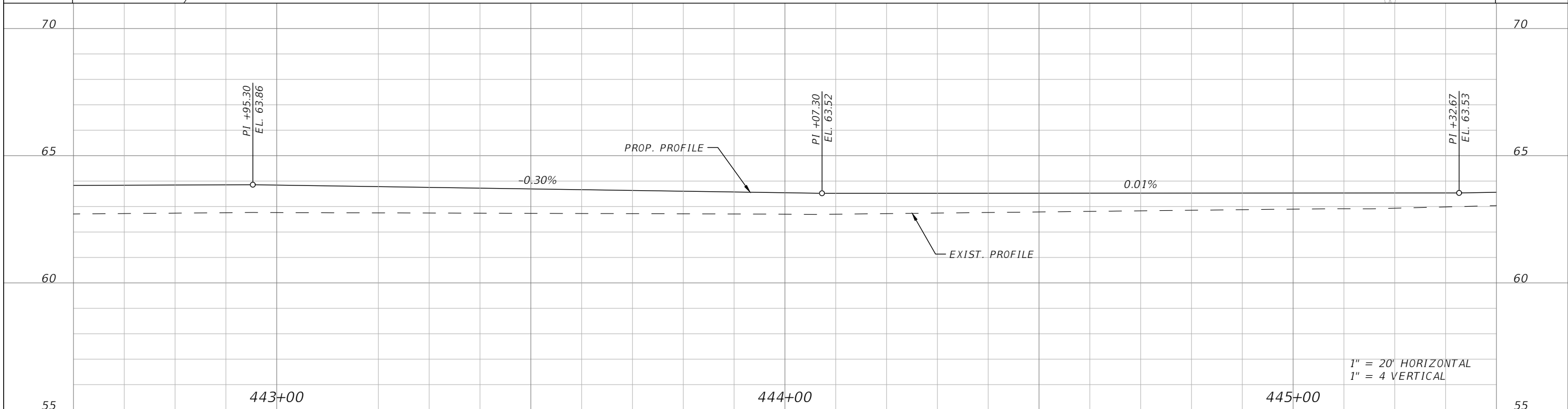
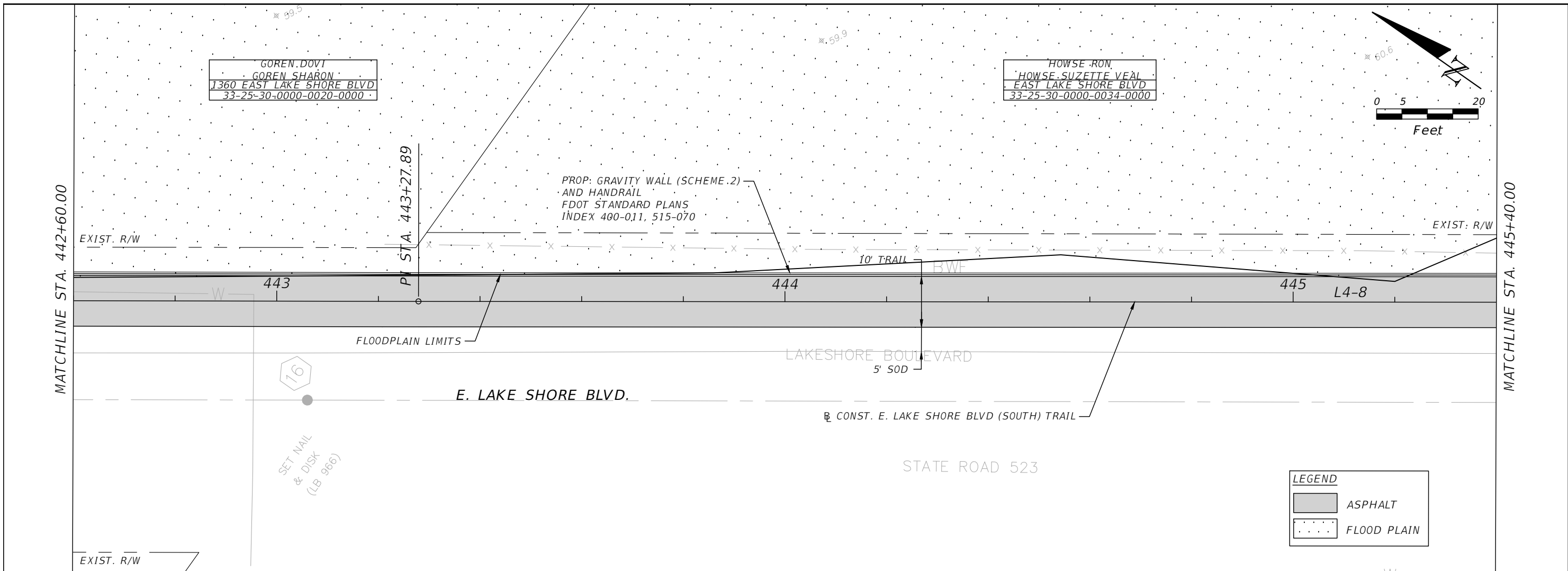


OSCEOLA COUNTY
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LAKESHORE BOULEVARD (SOUTH)
ROADWAY PLAN & PROFILE 15

SHEET NO.
R-110

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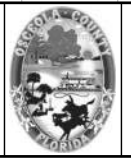


LEGEND	
	ASPHALT
	FLOOD PLAIN

1" = 20' HORIZONTAL
1" = 4' VERTICAL

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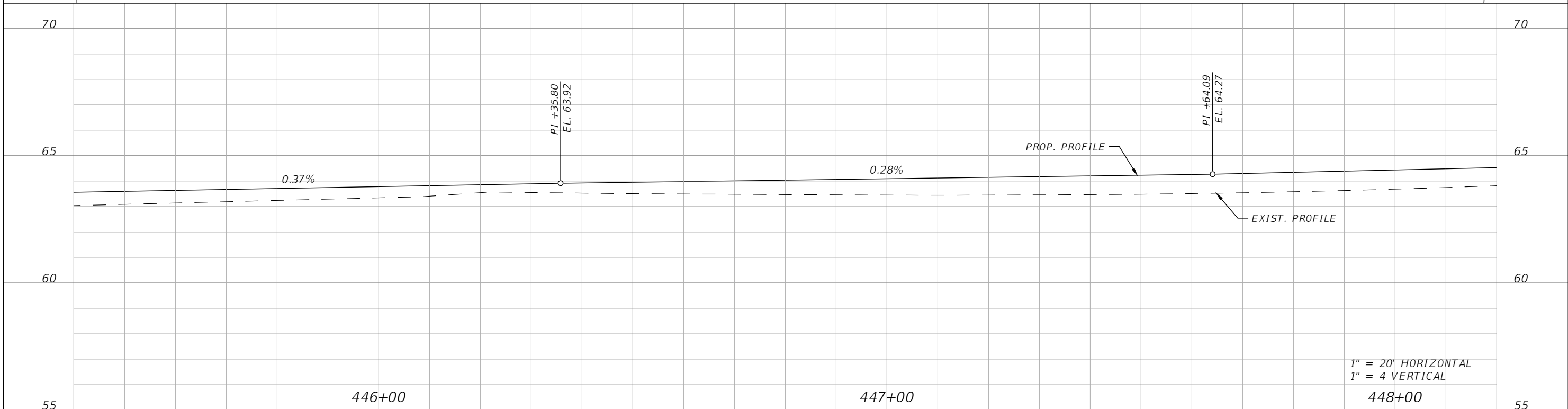
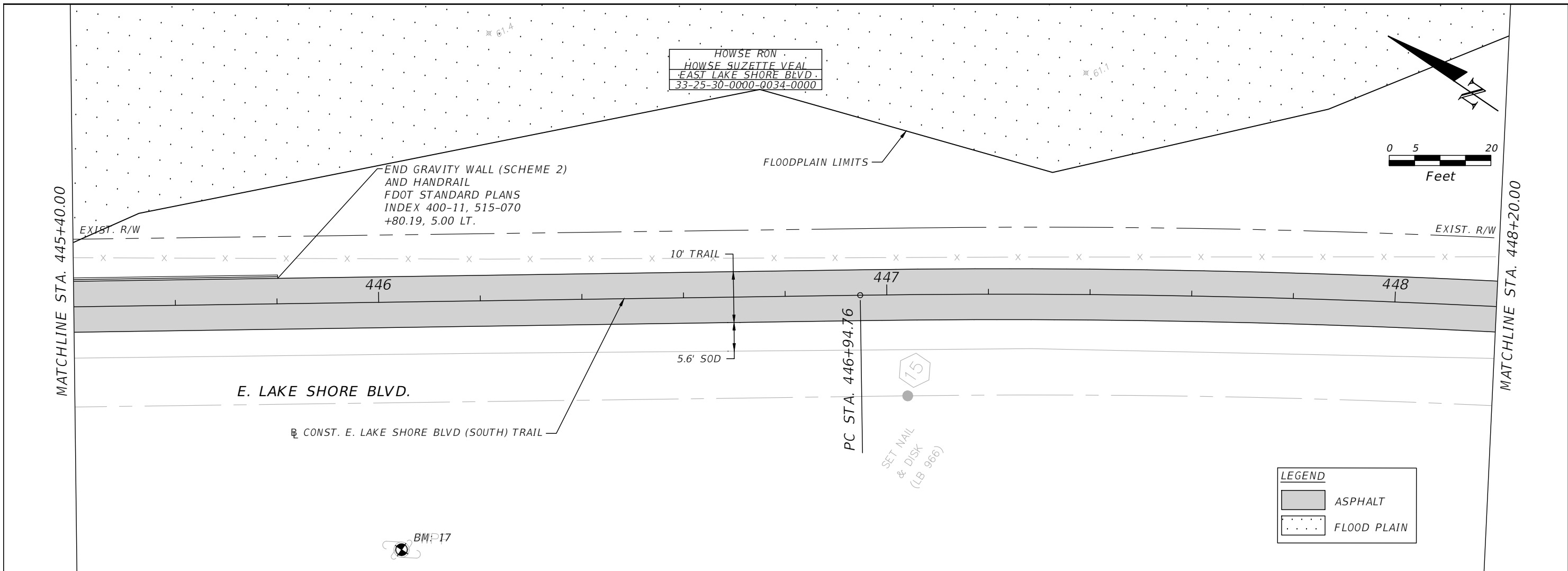


OSCEOLA COUNTY
FLORIDA

LAKESHORE BOULEVARD (SOUTH)
ROADWAY PLAN & PROFILE 16

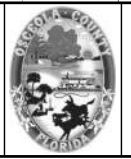
SHEET NO.
R-111

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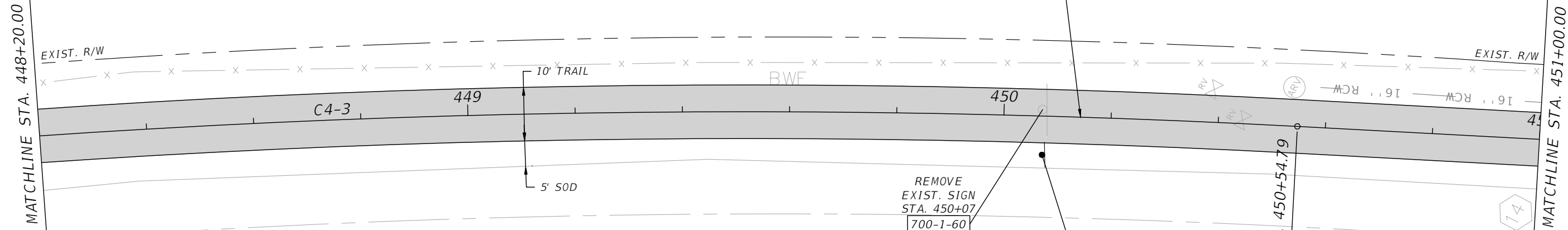
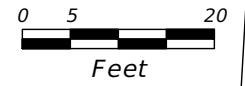
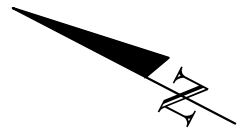
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FLORIDA

LAKESHORE BOULEVARD (SOUTH)
ROADWAY PLAN & PROFILE 17

SHEET NO.
R-112

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

HOWSE RON
 HOWSE SUZETTE VEAL
 EAST LAKE SHORE BLVD
 33-25-30-0000-0034-0000



E. LAKE SHORE BLVD.

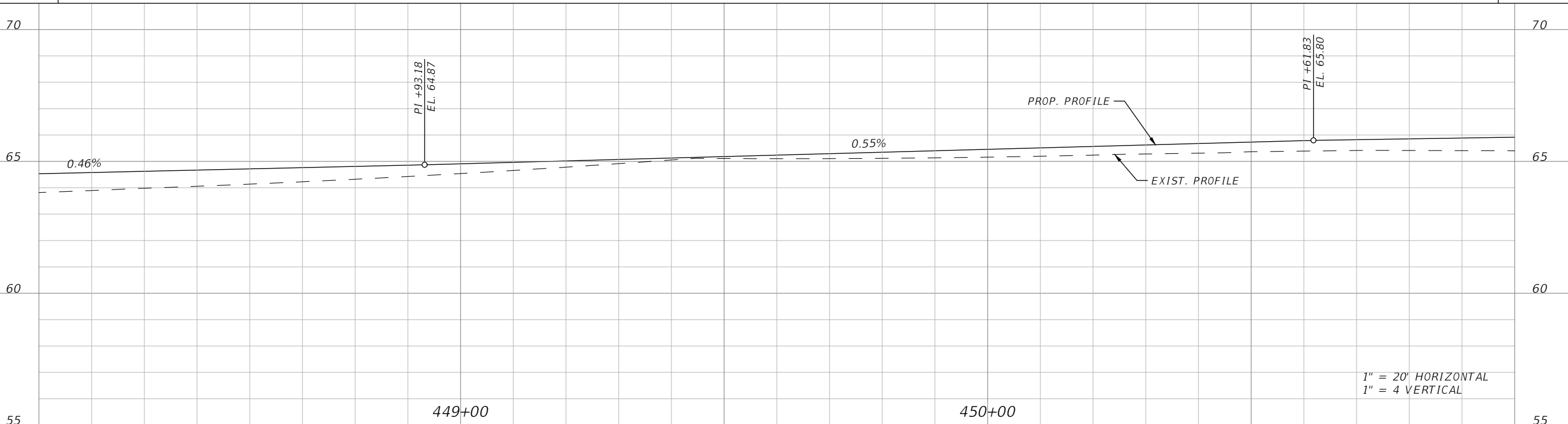
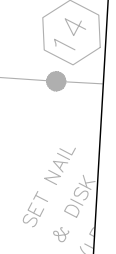
REMOVE
 EXIST. SIGN
 STA. 450+07
 700-1-60
 1 AS



CAUTION WILDLIFE
 CROSSING
 (36x36)
 STA. 450+07
 700-1-11
 1 AS

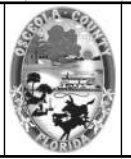
LEGEND

- ASPHALT
- FLOOD PLAIN



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 PE # 63437

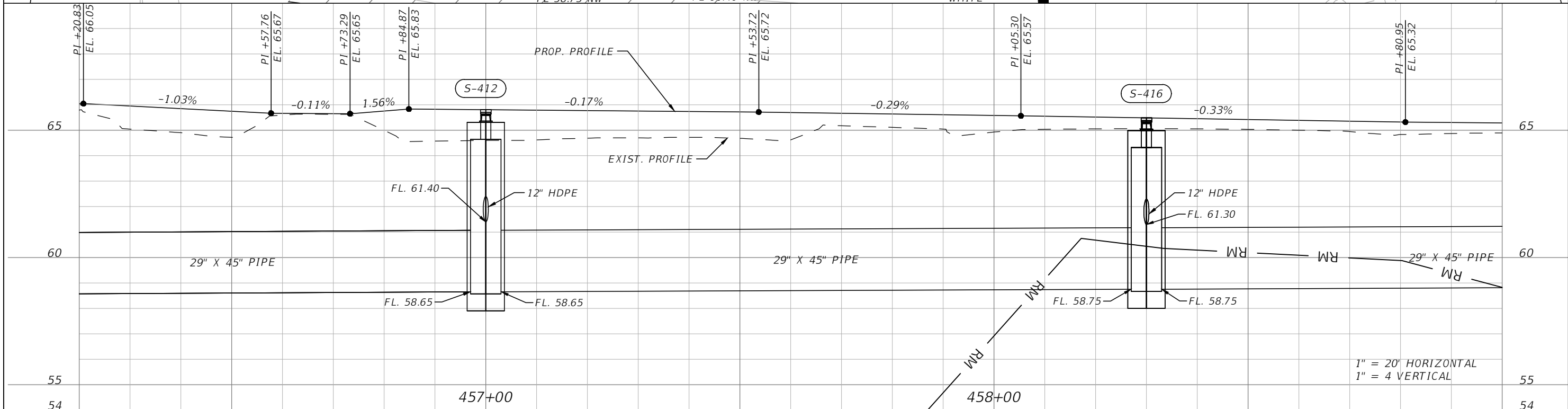
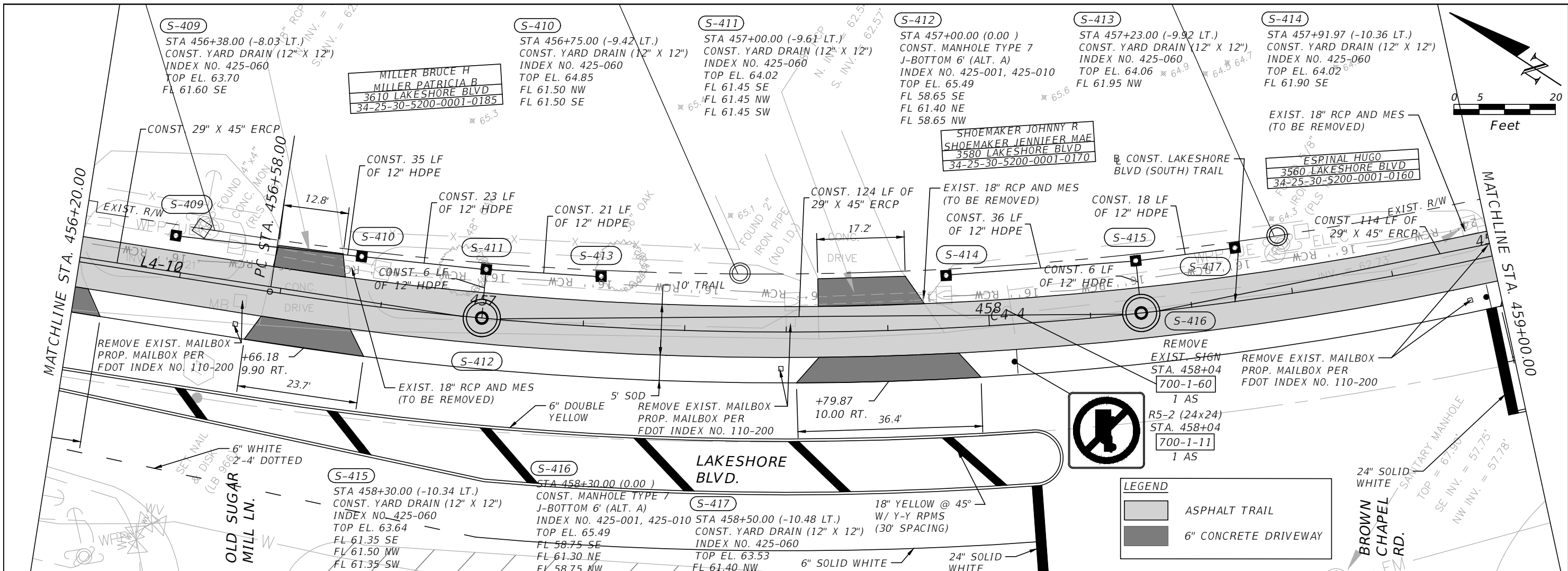


OSCEOLA COUNTY
 FLORIDA

LAKESHORE BOULEVARD (SOUTH)
 ROADWAY PLAN & PROFILE 18

SHEET
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 R-113

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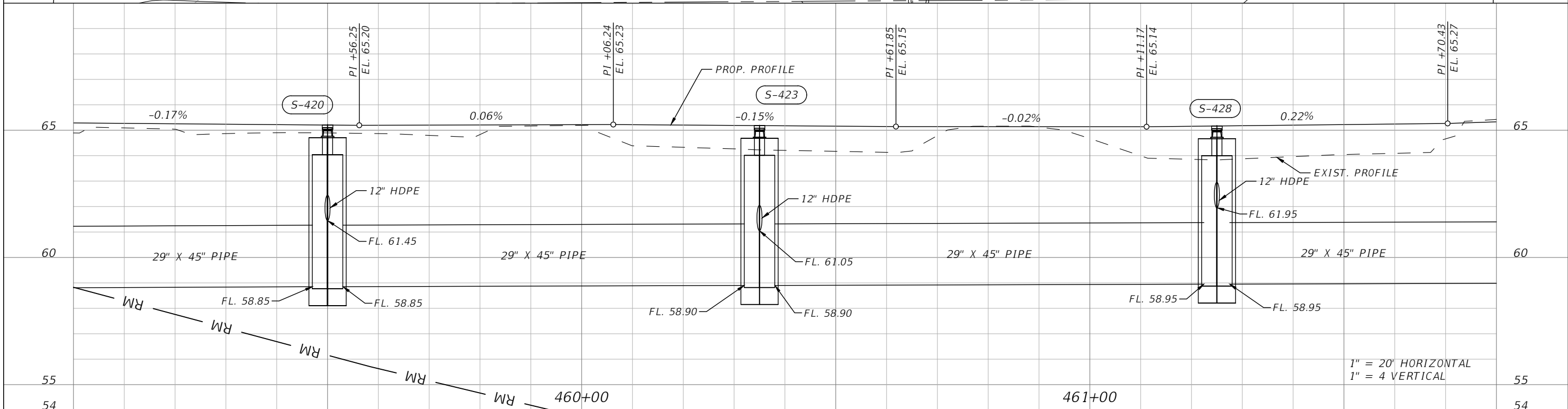
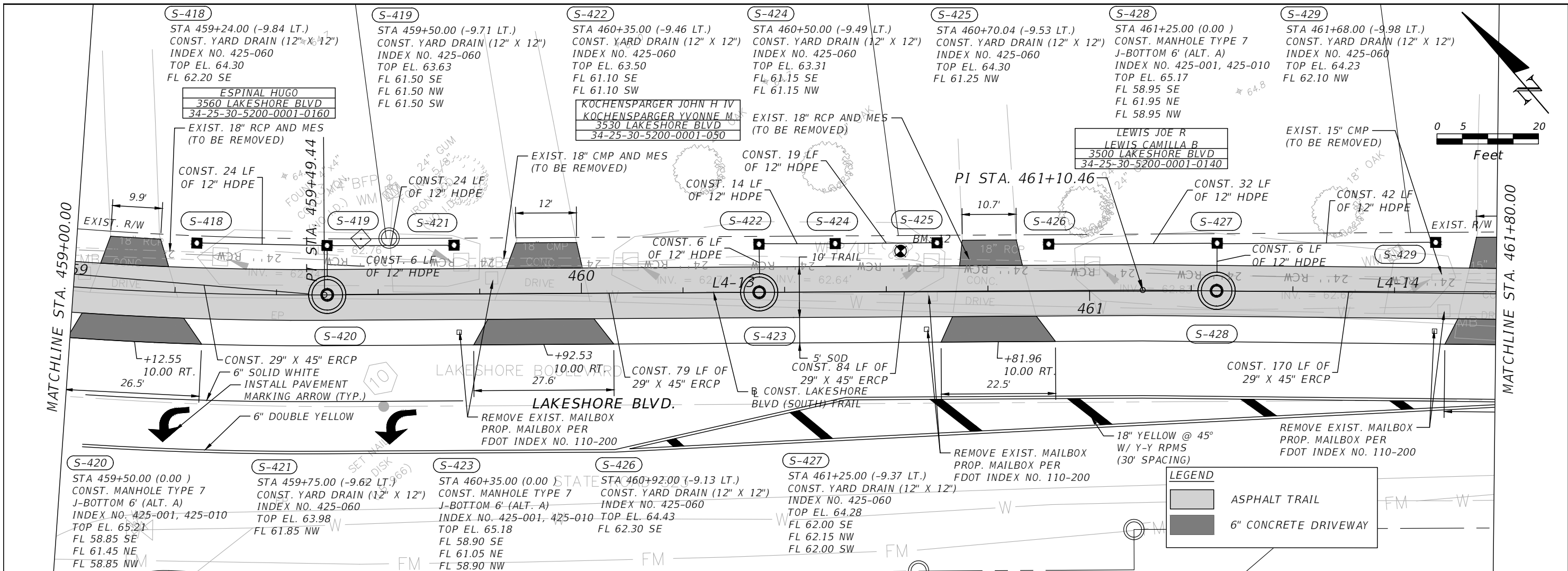


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LAKESHORE BOULEVARD (SOUTH)
ROADWAY PLAN & PROFILE 21

SHEET
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R-116

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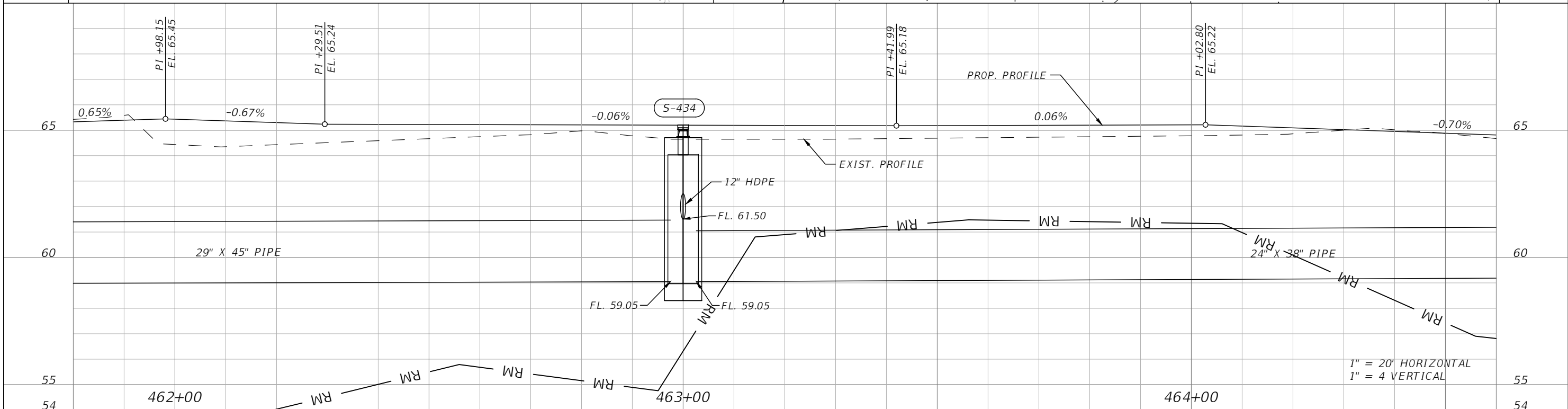
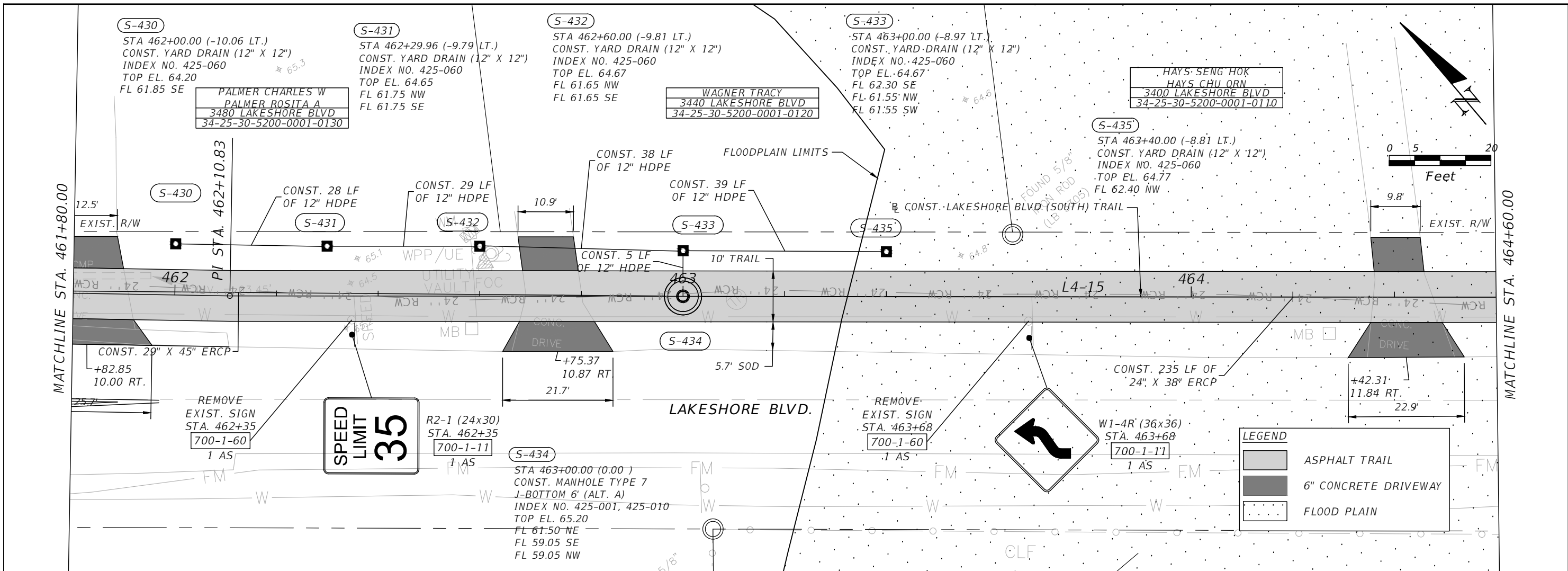
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 Mark F. Bertoncini, P.E.
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LAKESHORE BOULEVARD (SOUTH)
ROADWAY PLAN & PROFILE 22

SHEET
 NO.
R-117

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

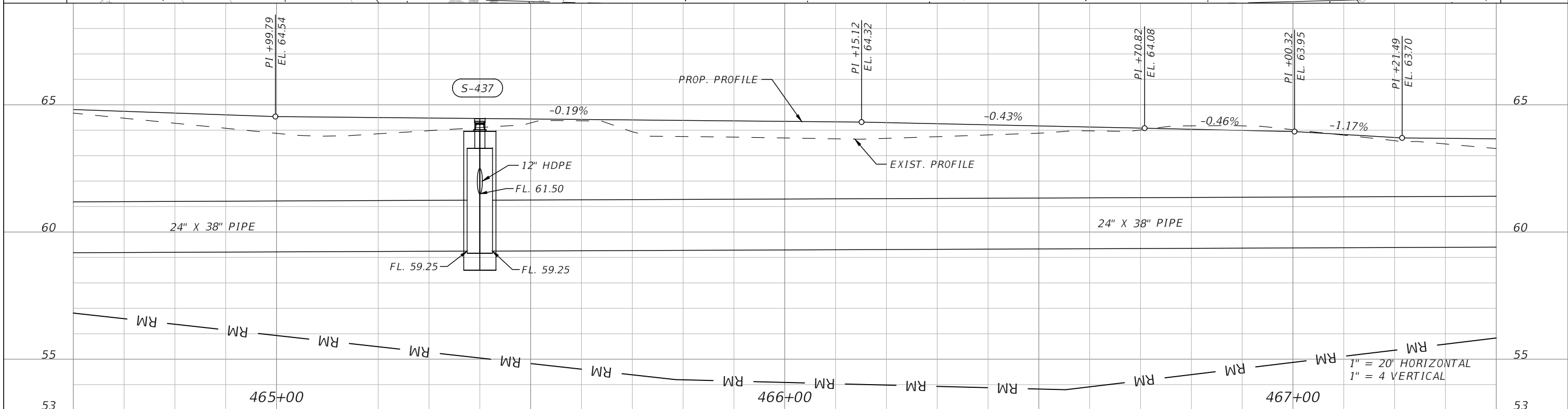
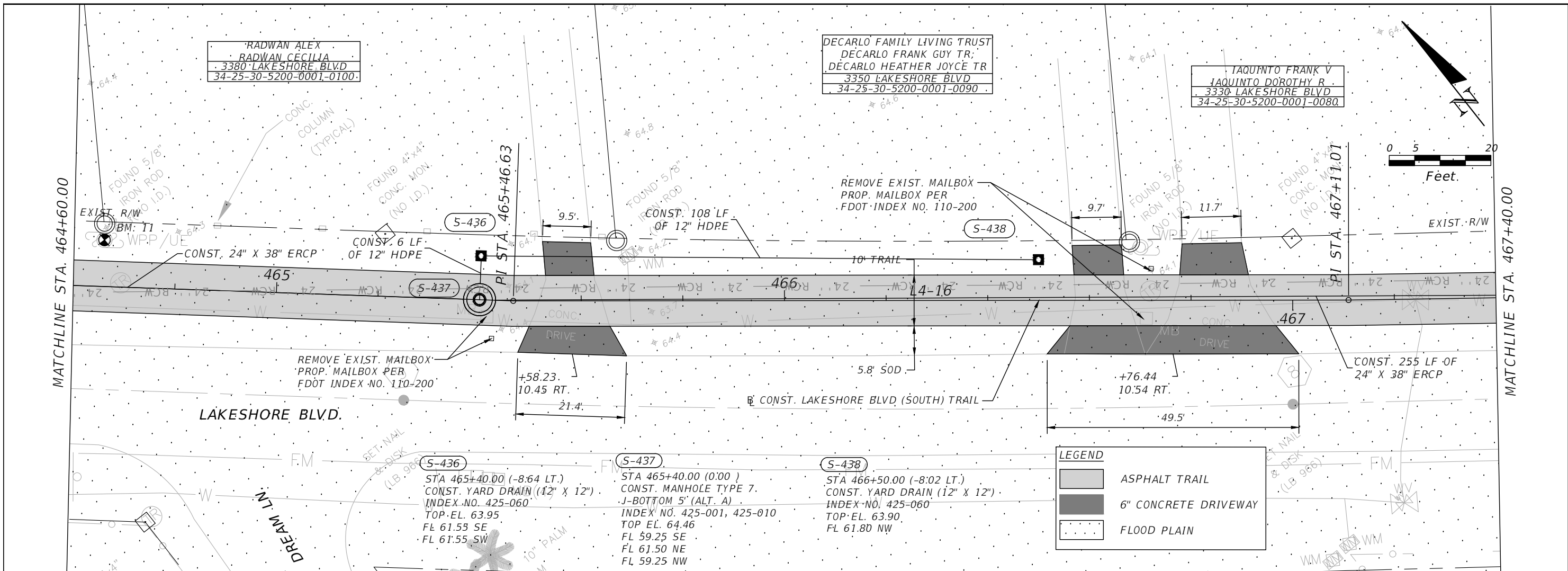

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 PE # 63437


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 FLORIDA

LAKESHORE BOULEVARD (SOUTH)
ROADWAY PLAN & PROFILE 23

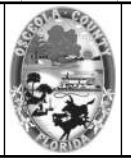
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R-118

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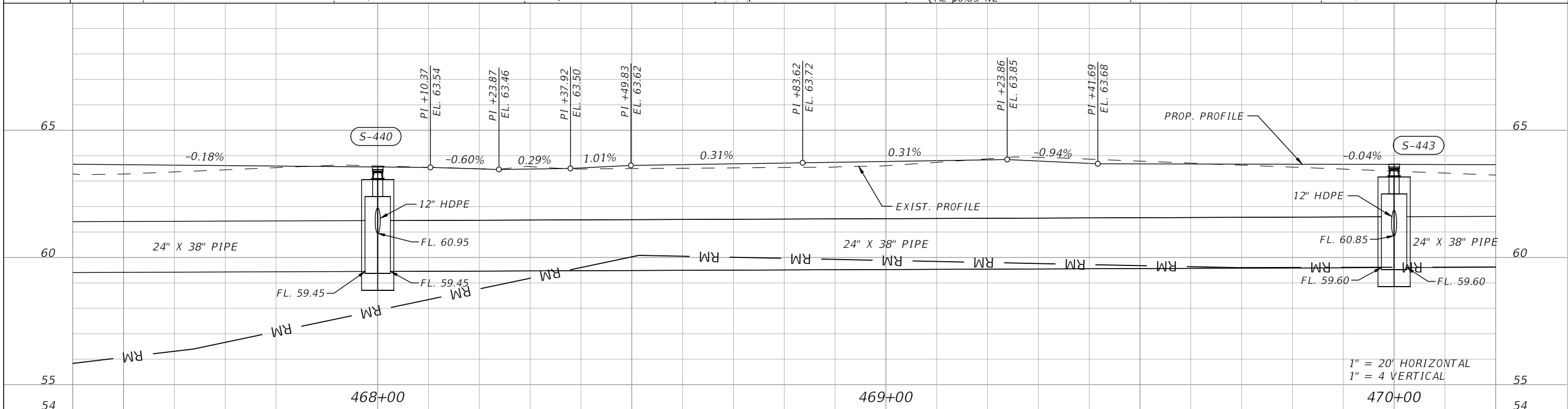
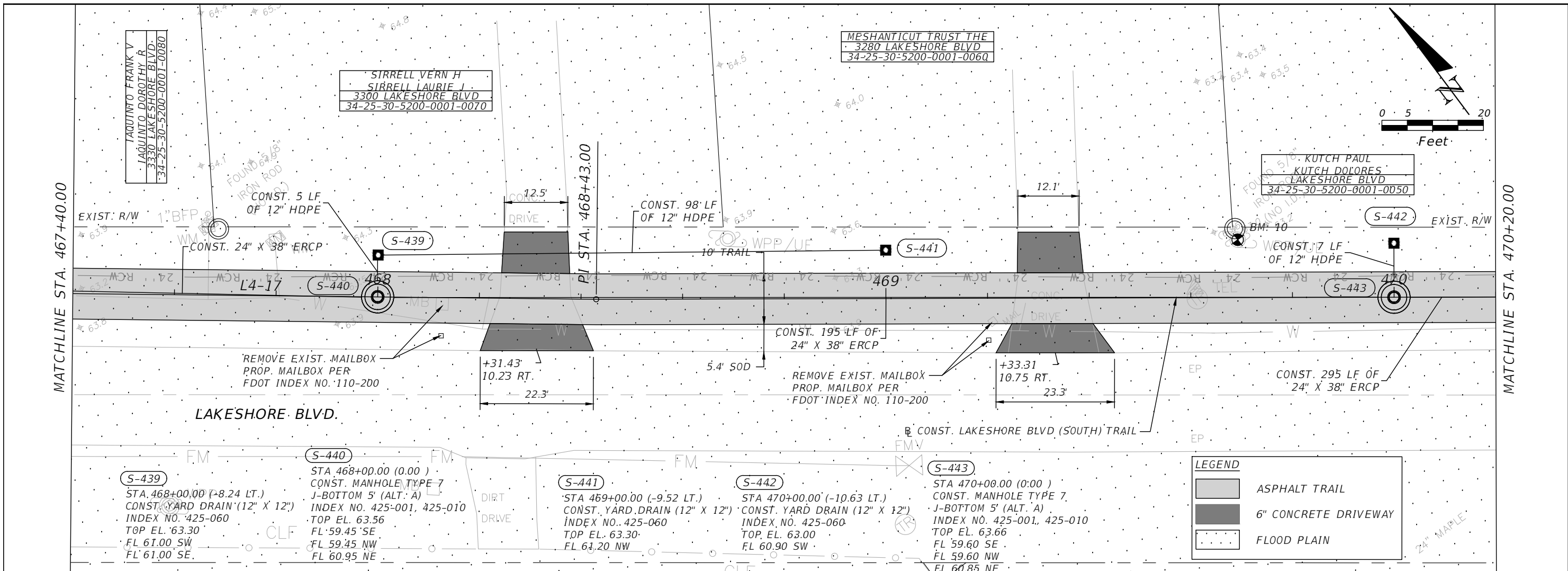


OSCEOLA COUNTY
 FLORIDA

LAKESHORE BOULEVARD (SOUTH)
ROADWAY PLAN & PROFILE 24

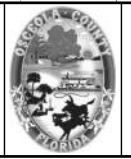
SHEET
 NO.
R-119

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 PE # 63437

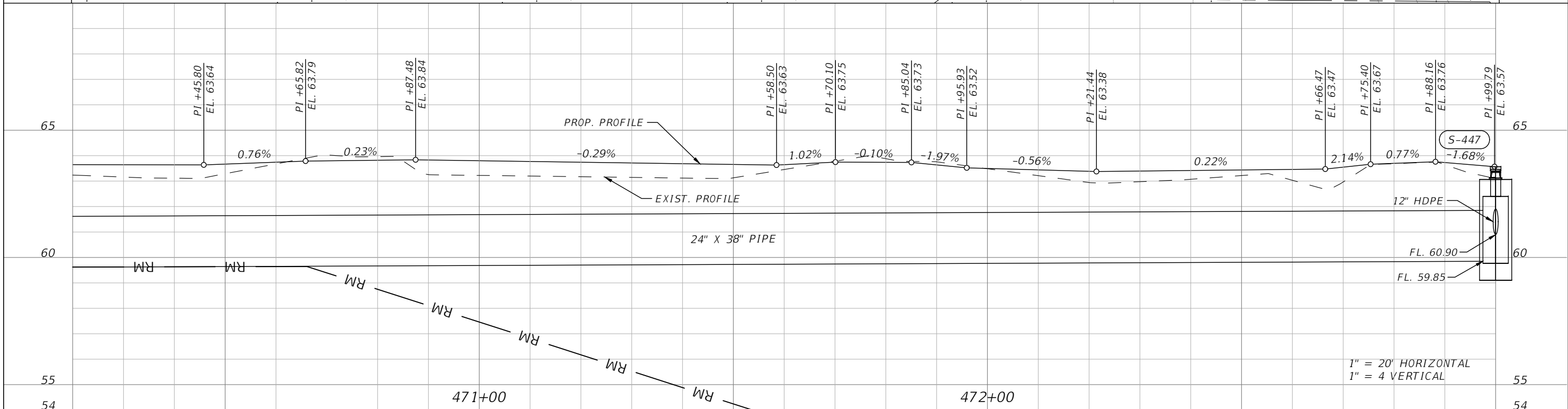
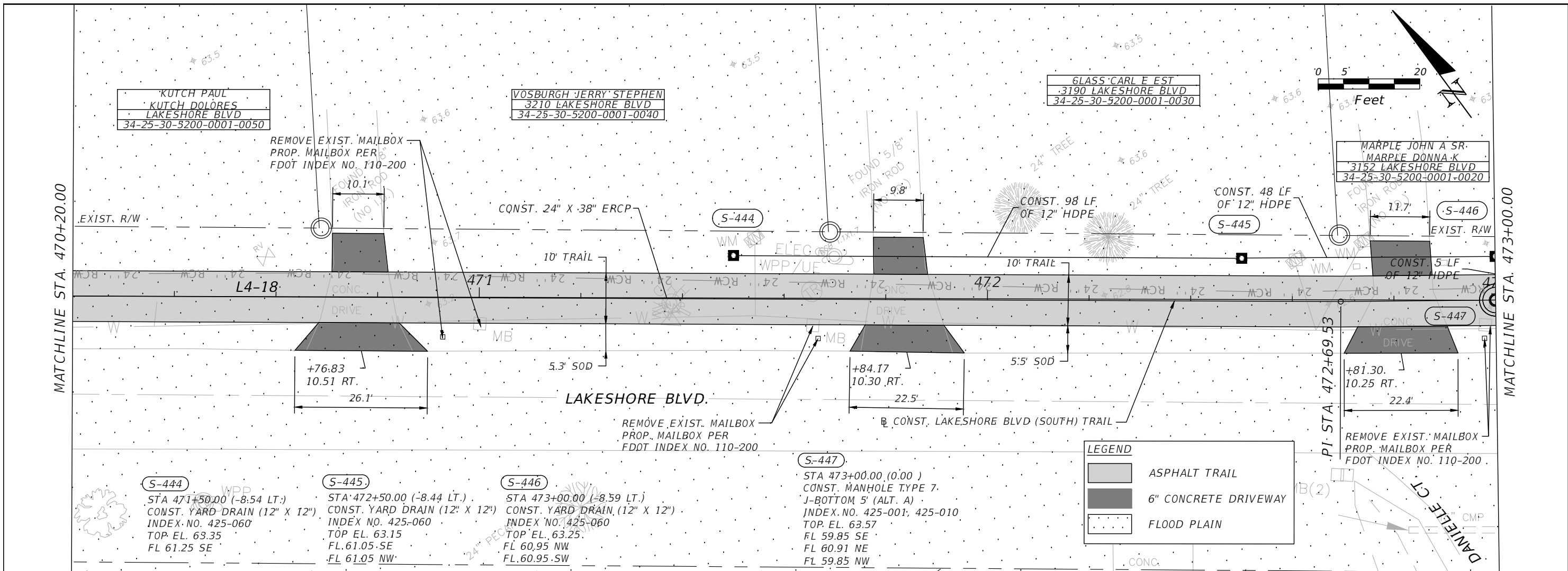


**OSCEOLA COUNTY
 FLORIDA**

**LAKESHORE BOULEVARD (SOUTH)
 ROADWAY PLAN & PROFILE 25**

SHEET NO.
R-120

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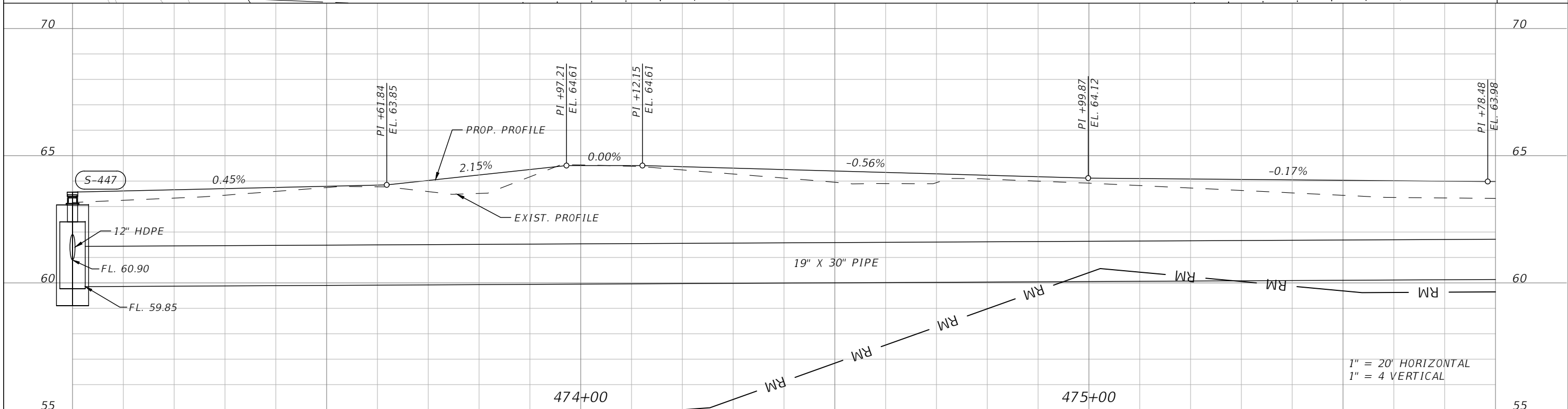
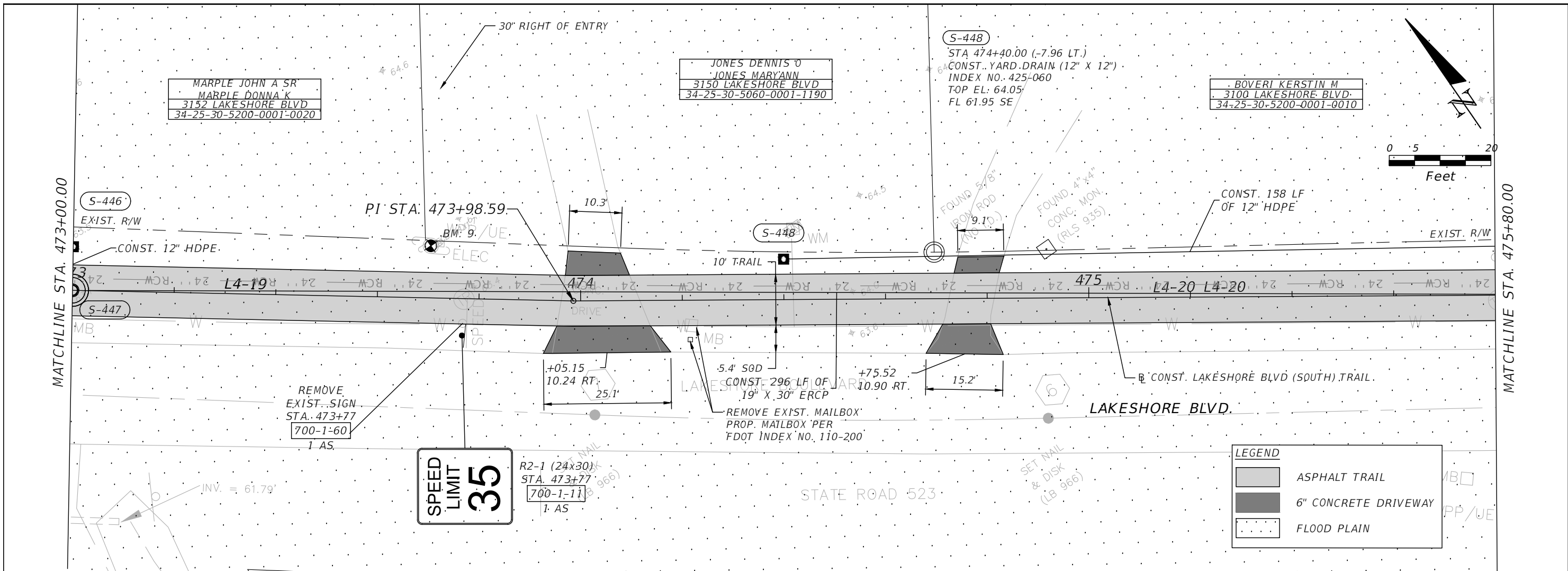

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 PE # 63437


 OSCEOLA COUNTY
 FLORIDA

LAKESHORE BOULEVARD (SOUTH)
ROADWAY PLAN & PROFILE 26

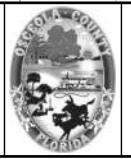
SHEET
 NO.
R-121

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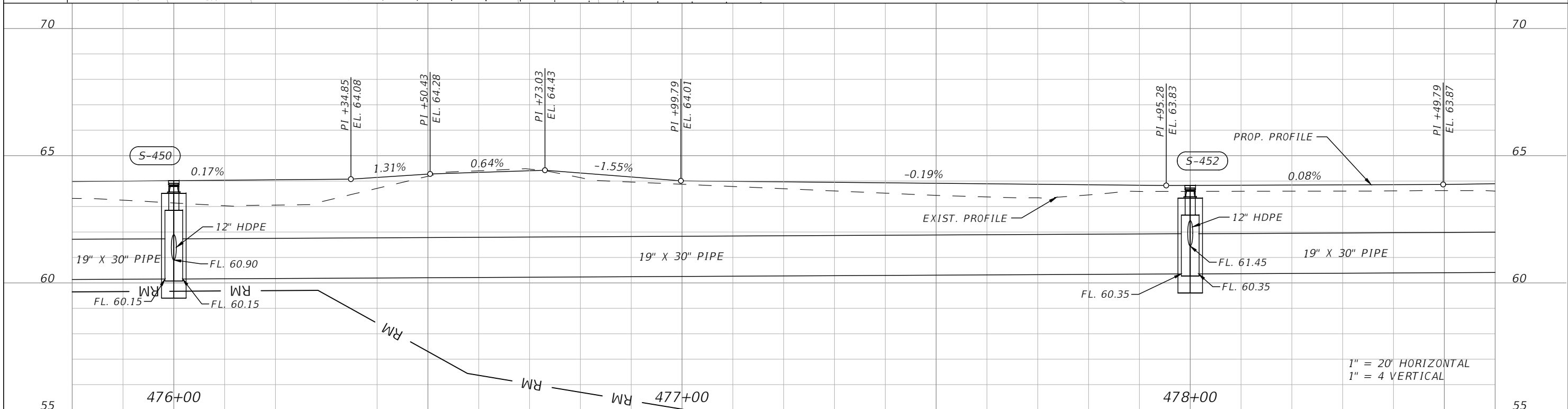
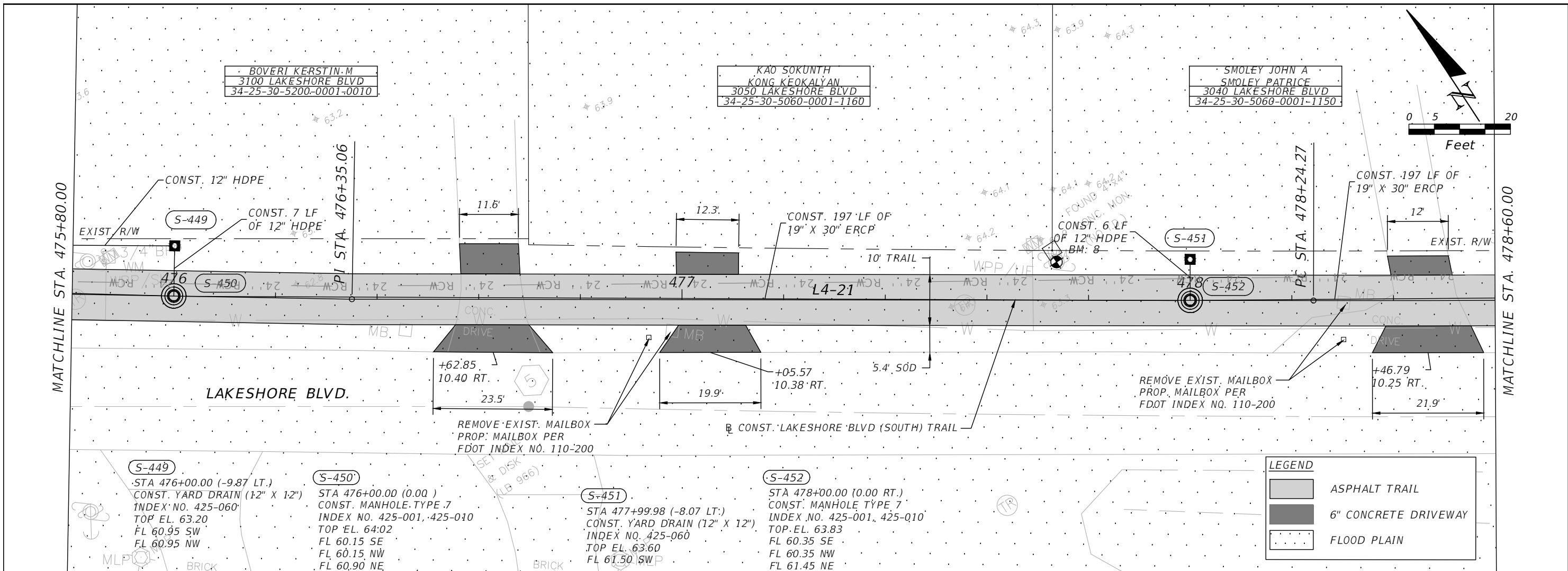


OSCEOLA COUNTY
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**LAKESHORE BOULEVARD (SOUTH)
 ROADWAY PLAN & PROFILE 27**

SHEET
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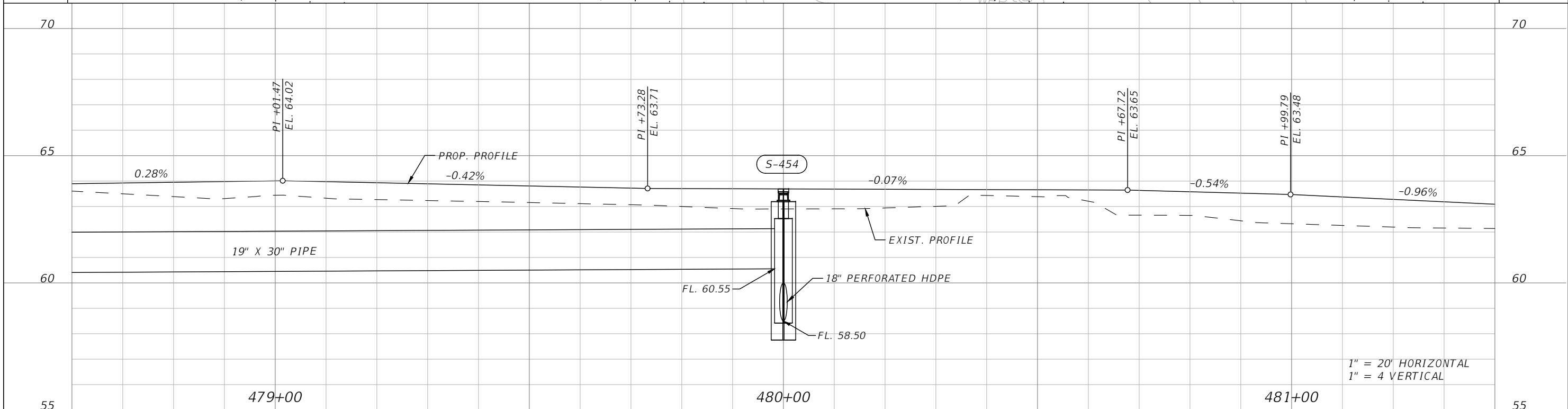
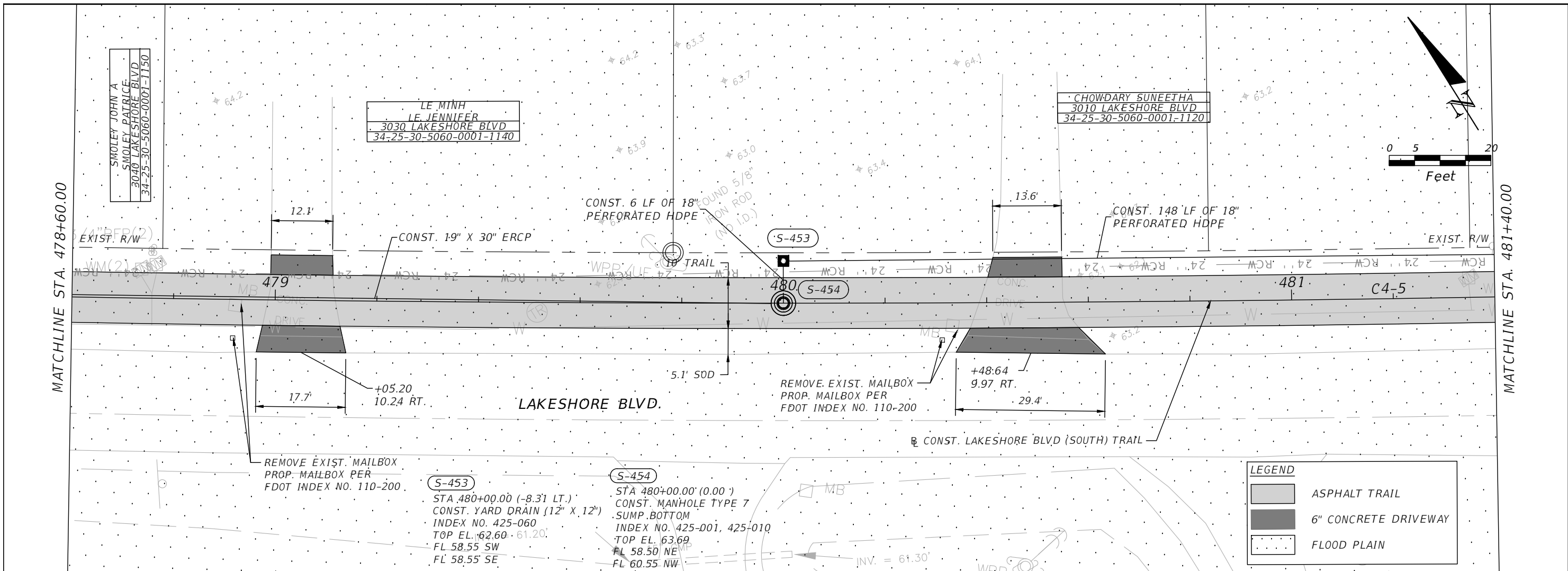

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LAKESHORE BOULEVARD (SOUTH)
ROADWAY PLAN & PROFILE 28

SHEET
 NO.
R-123

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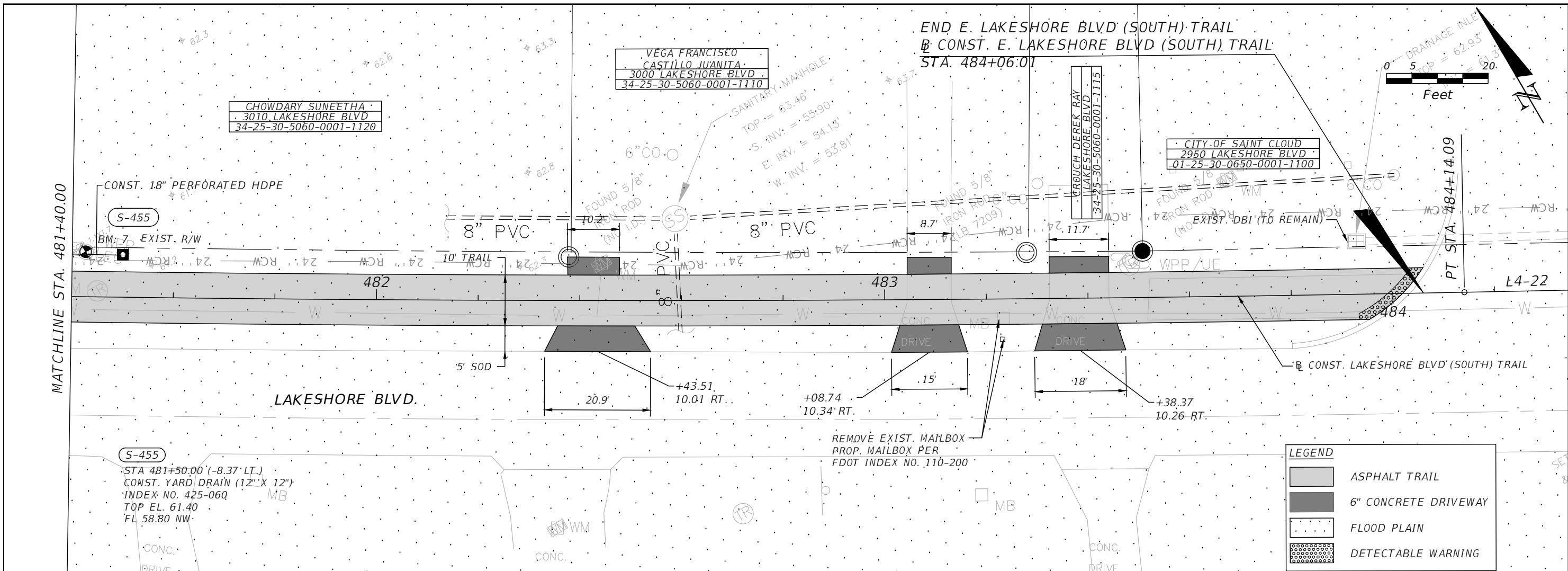

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 FLORIDA

LAKESHORE BOULEVARD (SOUTH)
ROADWAY PLAN & PROFILE 29

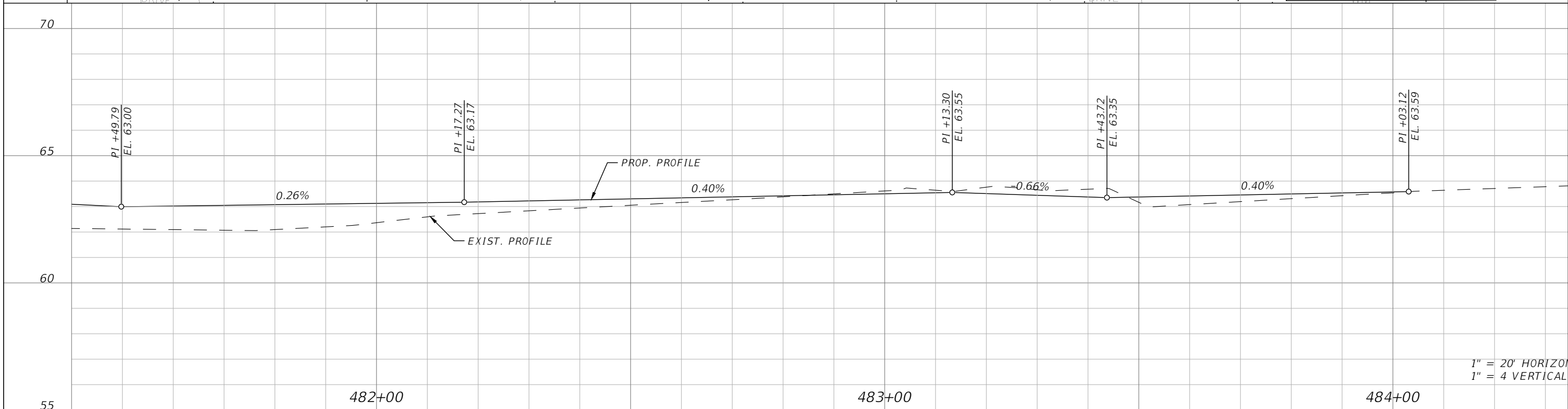
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R-124

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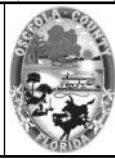
LEGEND

- ASPHALT TRAIL
- 6" CONCRETE DRIVEWAY
- FLOOD PLAIN
- DETECTABLE WARNING



REVISIONS			
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LAKESHORE BOULEVARD (SOUTH)
 ROADWAY PLAN & PROFILE 30

SHEET NO.
 R-125

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DATE OF SURVEY: JUNE, JULY 2018, DECEMBER 2019 AND JANUARY 2020
 SURVEY MADE BY: GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 SUBMITTED BY: CHRISTOPHER P. MEYER, P.E.

COUNTY: OSCEOLA

**CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS
 FORTUNE ROAD - LAKESHORE BOULEVARD MULTI-USE TRAIL**


STATIONS REFERENCE BASELINE OF CONSTRUCTION

FORTUNE ROAD APPROXIMATE BEGIN STA.: 100+25 APPROXIMATE END STA.: 181+13
 FORTUNE ROAD APPROXIMATE BEGIN STA.: 200+03 APPROXIMATE END STA.: 283+12
 EAST LAKESHORE BOULEVARD APPROXIMATE BEGIN STA.: 300+00 APPROXIMATE END STA.: 398+91
 EAST LAKESHORE BOULEVARD APPROXIMATE BEGIN STA.: 401+58 APPROXIMATE END STA.: 484+04

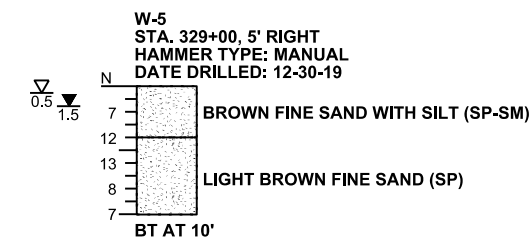
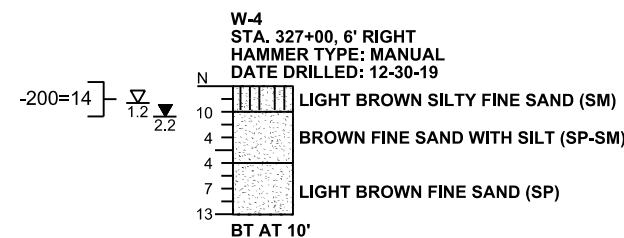
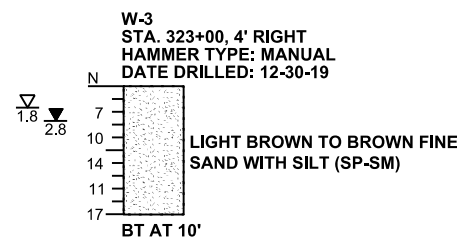
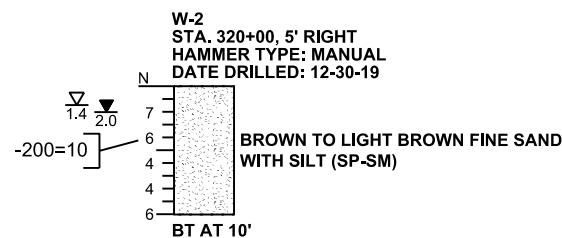
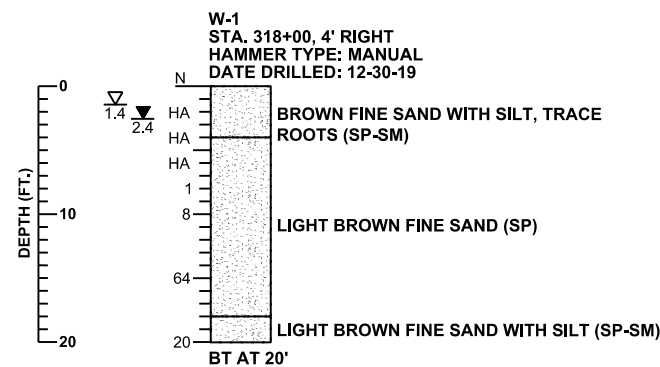
STRATUM NO.	ORGANIC CONTENT		MOISTURE CONTENT		SIEVE ANALYSIS RESULTS PERCENT PASS (%)					ATTERBERG LIMITS (%)			AASHTO GROUP	DESCRIPTION	CORROSION TEST RESULTS					
	NO. OF TESTS	% ORGANIC	NO. OF TESTS	MOISTURE CONTENT	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT			PLASTIC INDEX	NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDE ppm	SULFATES ppm	pH
1	0	-	0	-	10(FULL)	100	98-100	93-97	57-78	2-10	0	-	-	A-3	BROWN, DARK BROWN, LIGHT BROWN, LIGHT GRAY, ORANGE FINE SAND TO FINE SAND WITH SILT, OCCASIONAL TRACE ROOTS, ORGANIC MATERIAL, LIMEROCK	4	8,550-24,500	15-30	<6-39	6.8-7.9
2	3	3-4	3	20-47	3(FULL) 3(-200)	100	100	97-98	74-80	11-18	1	NP	NP	A-2-4	BROWN, LIGHT BROWN, GRAY FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL TRACE ORGANIC MATERIAL	6	2,400-35,000	15-120	<6-54	4.7-6.3
3	29	5-35	29	28-176	6(FULL) 17(-200)	100	96-100	92-100	72-91	20-93	12	36-78	6-37	A-8	DARK BROWN MUCKY FINE SAND TO SANDY MUCK TO MUCK TO ORGANIC SANDY CLAY TO ORGANIC SILT, OCCASIONAL CEMENTED SANDS	0	-	-	-	-
4	0	-	1	25	1(FULL)	100	100	98	81	40	1	45	31	A-7-6	LIGHT BROWN CLAYEY FINE SAND	0	-	-	-	-
5	0	-	0	-	1(FULL)	62	39	33	30	26	0	-	-	A-2-4	ORANGE TO BROWN CEMENTED FINE SAND WITH SILT TO SILTY FINE SAND	0	-	-	-	-
6	0	-	1	72	1(FULL)	100	96	93	80	59	1	57	3	A-5	BROWN SANDY SILT	0	-	-	-	-

NOTES

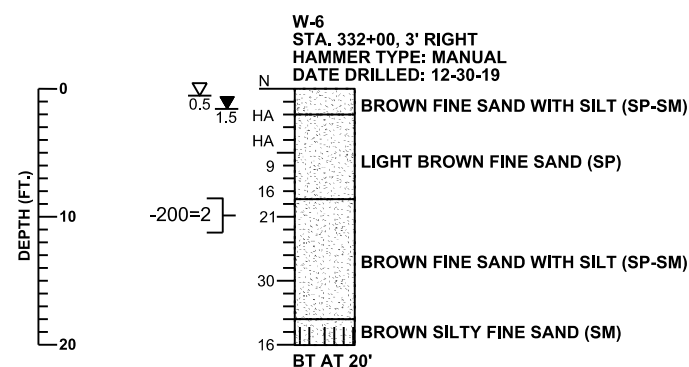
- STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY. ANY SUBSOIL CONNECTING LINES THAT ARE SHOWN ARE FOR ESTIMATING EARTHWORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED AS DETAILED IN SECTION 2-4 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. FOR FURTHER DETAILS SEE SECTION 120-3 OF THE FDOT DESIGN SPECIFICATIONS.
- GROUNDWATER LEVEL SHOWN AS ▼ WHERE ENCOUNTERED AT TIME OF SURVEY. ESTIMATED SEASONAL HIGH GROUNDWATER LEVEL SHOWN AS ▽. GROUNDWATER NOT ENCOUNTERED SHOWN AS "GNE".
- REMOVAL OF MUCK AND PLASTIC MATERIAL OCCURRING WITHIN ROADWAY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE FDOT STANDARD PLANS INDEX 120-002 UNLESS OTHERWISE SHOWN ON PLANS. THE MATERIAL USED IN EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION INDEX 120-001.
- SOIL ANALYSIS INCLUDES DATA FROM TRAIL BORINGS.
- THE SYMBOL "-" REPRESENTS AN UNMEASURED PARAMETER.
- THE SYMBOL "NP" REPRESENTS NON-PLASTIC.
- STRATA 1, 2 AND 5 SHALL BE TREATED AS SELECT (S) MATERIAL, IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-001.
- STRATUM 3 SHALL BE TREATED AS MUCK (M) MATERIAL, IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-001.
- STRATUM 4 SHALL BE TREATED AS PLASTIC (P) MATERIAL, IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-001.
- STRATUM 5 MAY BE DIFFICULT TO DEWATER, EXCAVATE AND MAY REQUIRE SPECIALIZED EQUIPMENT AND/OR PROCEDURE TO FACILITATE EXCAVATION OR PENETRATION. STRATUM 5 MAY NEED TO BE PULVERIZED PRIOR TO USE AS FILL.
- STRATUM 6 SHALL BE TREATED AS HIGH PLASTIC (H) MATERIAL, IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-001.
- STRATA 2, 4 AND 5 MAY RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT. IT SHOULD BE USED IN THE EMBANKMENT ABOVE THE WATER LEVEL EXISTING AT THE TIME OF CONSTRUCTION IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-001.

REVISIONS				CHRISTOPHER P. MEYER, P.E. P.E. LICENSE NUMBER 49328 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 2510 MICHIGAN AVENUE, SUITE D KISSIMMEE, FL 34744-1933		Drawn By:	OSCEOLA COUNTY FLORIDA		SHEET TITLE:	REF. DWG. NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			SKR	COUNTY	PROJECT ID	ROADWAY SOIL SURVEY	
						Checked By:				
						Designed By:				
						Checked By:	OSCEOLA			
								PROJECT NAME: FORTUNE ROAD / LAKESHORE BOULEVARD MULTI-USE TRAIL	SHEET NO. R-126	

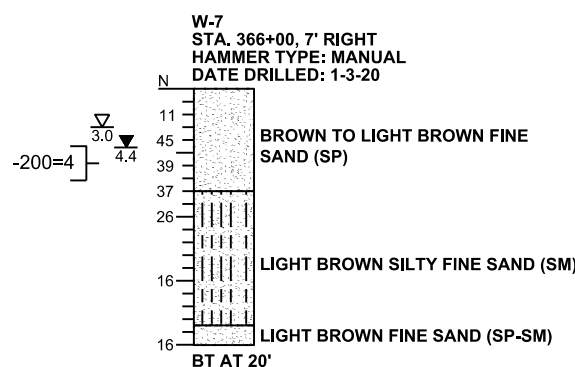
EAST LAKESHORE BOULEVARD - WALL 1



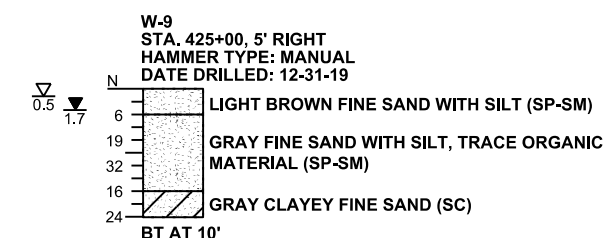
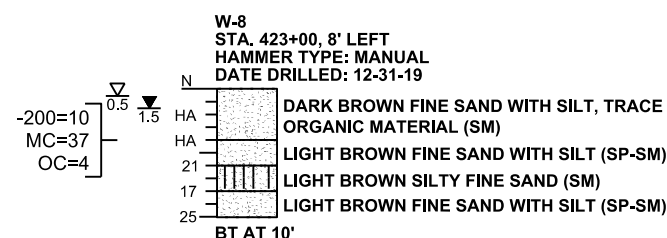
EAST LAKESHORE BOULEVARD - WALL 1



EAST LAKESHORE BOULEVARD - WALL 2

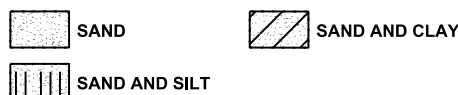


EAST LAKESHORE BOULEVARD - WALL 3



LEGEND

- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- HA HAND AUGERED FOR UTILITY CLEARANCE
- ▽ 1.4 ESTIMATED SEASONAL HIGH GROUNDWATER DEPTH (FT.)
- ▽ 2.4 ENCOUNTERED GROUNDWATER DEPTH (FT.)
- BT BORING TERMINATED AT DEPTH INDICATED
- 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
- MC= PERCENT NATURAL MOISTURE CONTENT
- OC= PERCENT ORGANIC CONTENT



GENERAL NOTES

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

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

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

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

ENVIRONMENTAL CLASSIFICATION:
SUBSTRUCTURE:
STEEL: MODERATELY AGGRESSIVE (pH=6.1)
CONCRETE: SLIGHTLY AGGRESSIVE (pH=6.1)

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

MANUAL HAMMER (SAFETY)		
GRANULAR SOILS	N VALUE (blows per foot)	RELATIVE DENSITY
SANDS	0-4	VERY LOOSE
	4-10	LOOSE
	10-30	MEDIUM DENSE
	30-50	DENSE
	OVER 50	VERY DENSE
MANUAL HAMMER (SAFETY)		
NON-GRANULAR SOILS	N VALUE (blows per foot)	CONSISTENCY
SILTS, CLAYS, MUCK, PEAT	0-2	VERY SOFT
	2-4	SOFT
	4-8	FIRM
	8-15	STIFF
	15-30	VERY STIFF
	OVER 30	HARD

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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



Drawn By: SKR
Checked By: GPB
Designed By: GPB
Checked By: CPM

OSCEOLA COUNTY
FLORIDA

COUNTY PROJECT ID
OSCEOLA

SHEET TITLE:

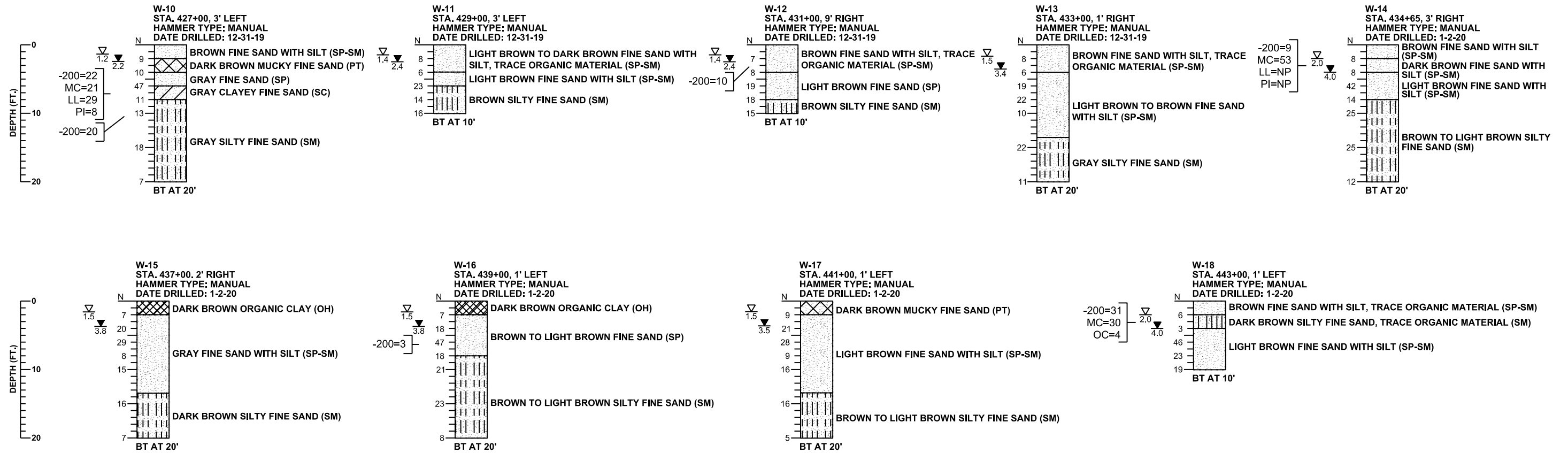
WALL SPT BORING RESULTS

PROJECT NAME:
FORTUNE ROAD / LAKESHORE BOULEVARD
MULTI-USE TRAIL

REF. DWG. NO.

SHEET NO.
R-127

EAST LAKESHORE BOULEVARD - WALL 3



LEGEND

- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- HA HAND AUGERED FOR UTILITY CLEARANCE
- ▽ SH ESTIMATED SEASONAL HIGH GROUNDWATER DEPTH (FT.)
- ▽ WT ENCOUNTERED GROUNDWATER DEPTH (FT.)
- BT BORING TERMINATED AT DEPTH INDICATED
- 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
- MC= PERCENT NATURAL MOISTURE CONTENT
- LL= LIQUID LIMIT
- PI= PLASTICITY INDEX
- NP= NON-PLASTIC
- OC= PERCENT ORGANIC CONTENT

- SAND
- SAND AND CLAY
- SAND AND SILT
- SAND AND MUCK
- ORGANIC CLAY

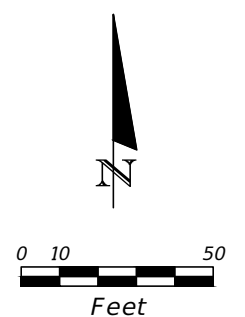
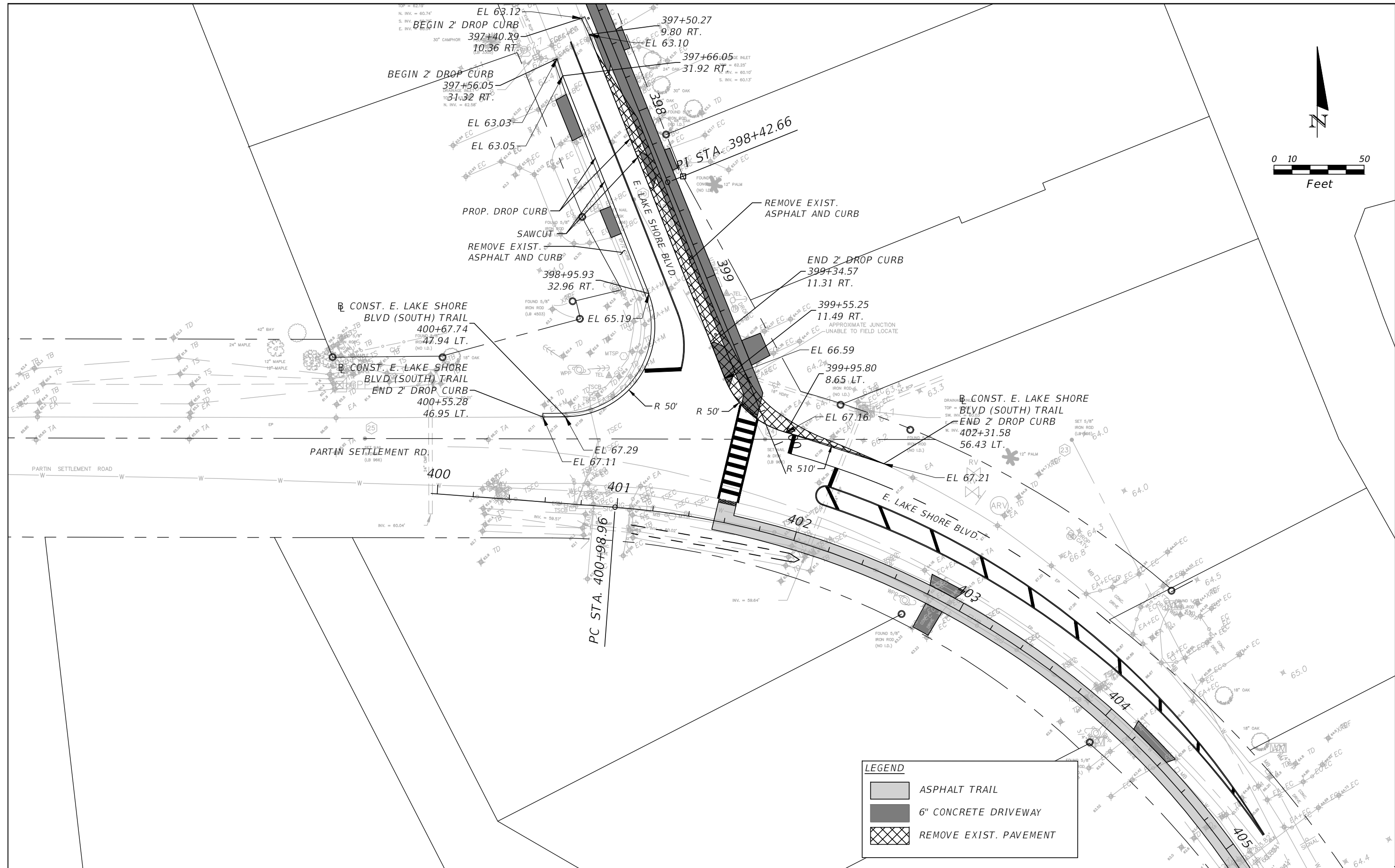
GENERAL NOTES

- SUBSURFACE CONDITIONS SHOWN ON THE BORINGS REPRESENT THE CONDITIONS ENCOUNTERED AT THE BORING LOCATIONS. ACTUAL CONDITIONS NEAR THE BORINGS MAY VARY FROM THOSE SHOWN. UNIFIED SOIL CLASSIFICATIONS SHOWN ON THE BORINGS ARE BASED ON VISUAL EXAMINATION AND THE LABORATORY TESTING SHOWN.
- STANDARD PENETRATION TEST BORINGS WERE PERFORMED IN ACCORDANCE WITH ASTM D-1586. STANDARD PENETRATION RESISTANCES ARE SHOWN ON THE BORINGS AT THE TEST DEPTHS IN BLOWS PER FOOT UNLESS OTHERWISE NOTED.
- BORING LOCATIONS WERE NOT SURVEYED. BORING LOCATIONS WERE ESTABLISHED IN THE FIELD USING PROJECT PLANS PROVIDED BY VHB AND A SUB-METER ACCURACY GPS UNIT (TRIMBLE).
- SPLIT SPOON SAMPLER:
INSIDE DIAMETER: 1.375 IN.
OUTSIDE DIAMETER: 2.0 IN.
AVERAGE HAMMER DROP: 30 IN.
HAMMER WEIGHT: 140 LBS.
- ENVIRONMENTAL CLASSIFICATION:
SUBSTRUCTURE:
STEEL: MODERATELY AGGRESSIVE (pH=6.1)
CONCRETE: SLIGHTLY AGGRESSIVE (pH=6.1)

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

SOIL TYPE	MANUAL HAMMER (SAFETY)	
	N VALUE (blows per foot)	RELATIVE DENSITY
GRANULAR SOILS SANDS	0-4	VERY LOOSE
	4-10	LOOSE
	10-30	MEDIUM DENSE
	30-50	DENSE
	OVER 50	VERY DENSE
NON-GRANULAR SOILS SILTS, CLAYS, MUCK, PEAT	MANUAL HAMMER (SAFETY)	
	N VALUE (blows per foot)	CONSISTENCY
	0-2	VERY SOFT
	2-4	SOFT
	4-8	FIRM
	8-15	STIFF
	15-30	VERY STIFF
OVER 30	HARD	

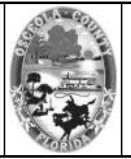
REVISIONS				CHRISTOPHER P. MEYER, P.E. P.E. LICENSE NUMBER 49328 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 2510 MICHIGAN AVENUE, SUITE D KISSIMMEE, FL 34744-1933		Drawn By: SKR Checked By: GPB Designed By: GPB Checked By: CPM	OSCEOLA COUNTY FLORIDA		SHEET TITLE: WALL SPT BORING RESULTS	REF. DWG. NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				COUNTY	PROJECT ID		



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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

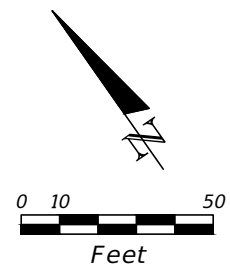
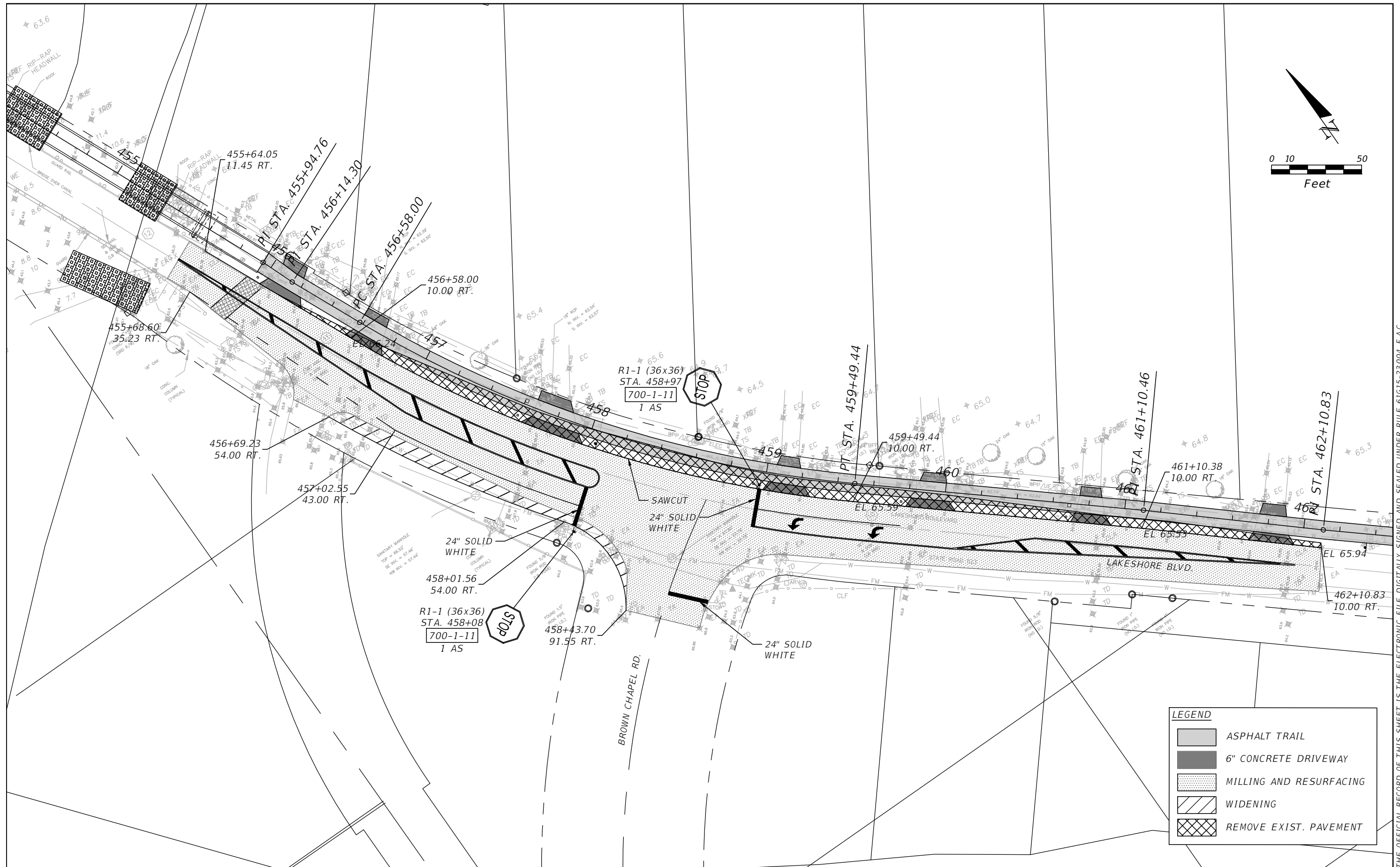


OSCEOLA COUNTY
FLORIDA

**PARTIN SETTLEMENT ROAD
INTESECTION PLAN**

SHEET
NO.
INT-1

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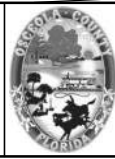


LEGEND	
	ASPHALT TRAIL
	6" CONCRETE DRIVEWAY
	MILLING AND RESURFACING
	WIDENING
	REMOVE EXIST. PAVEMENT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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Planners | Designers
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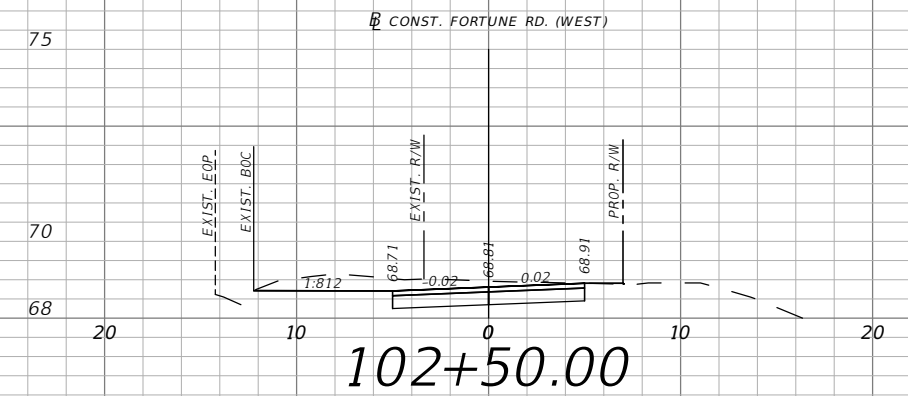
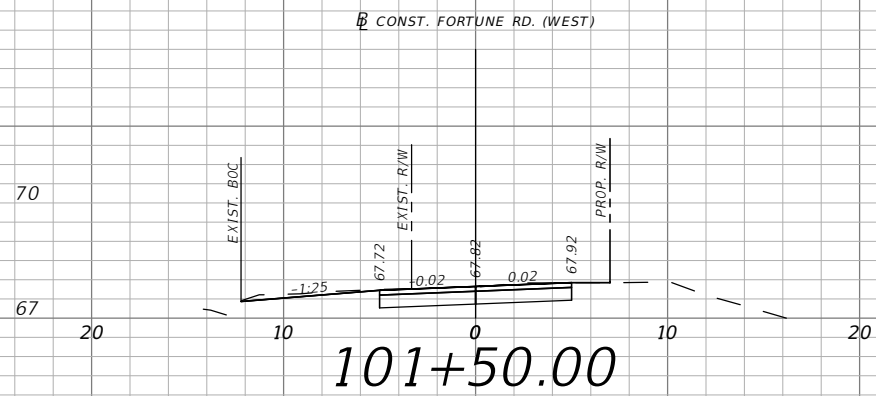
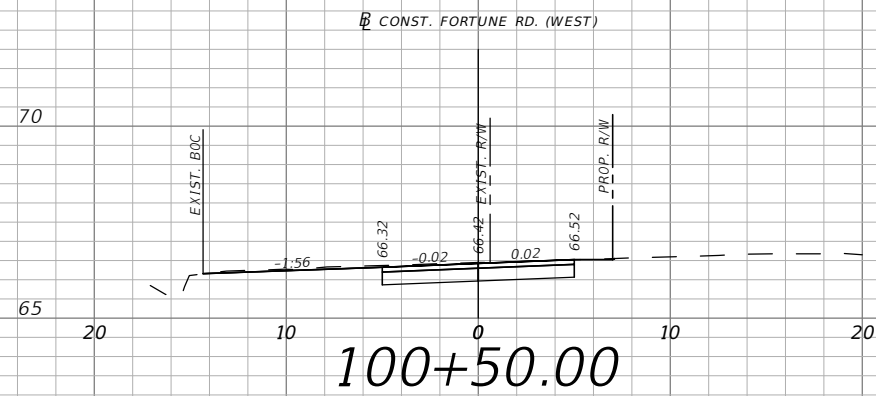
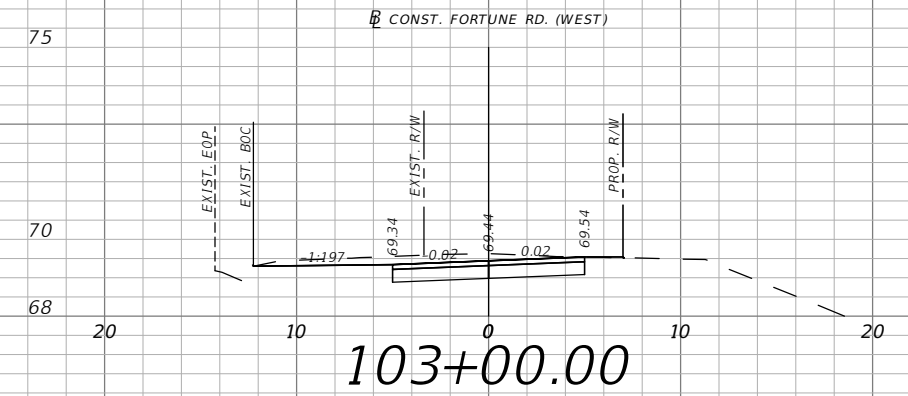
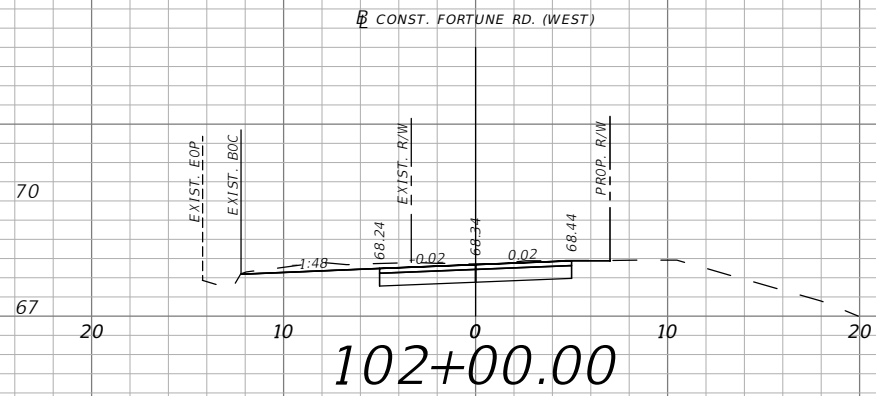
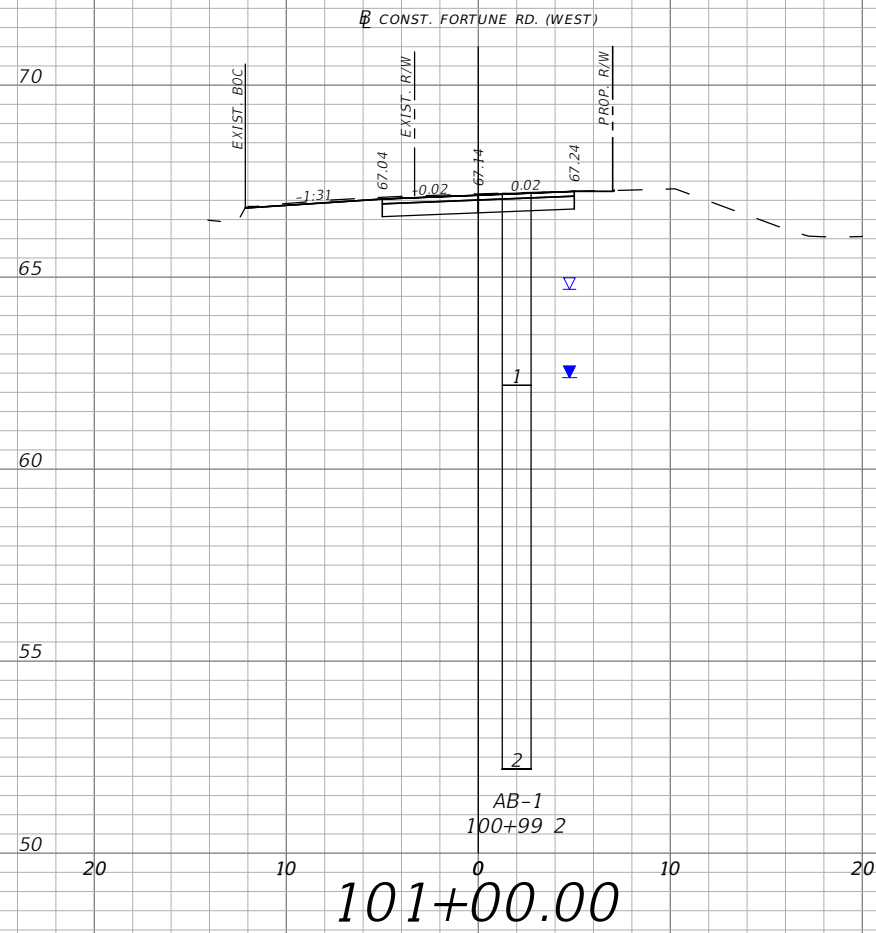


OSCEOLA COUNTY
FLORIDA

**BROWN CHAPEL ROAD
INTERSECTION PLAN**

SHEET NO.
INT-2

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Horizontal
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

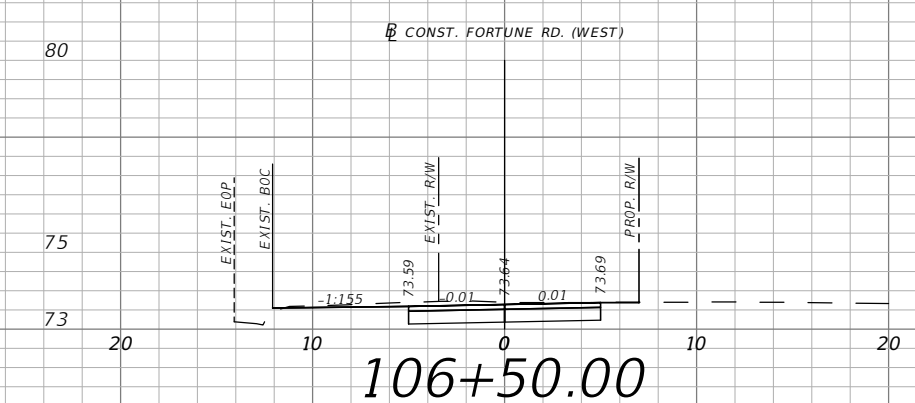
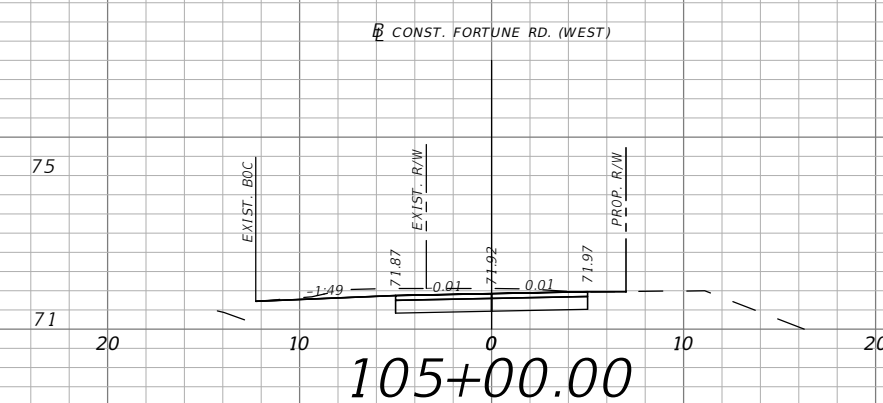
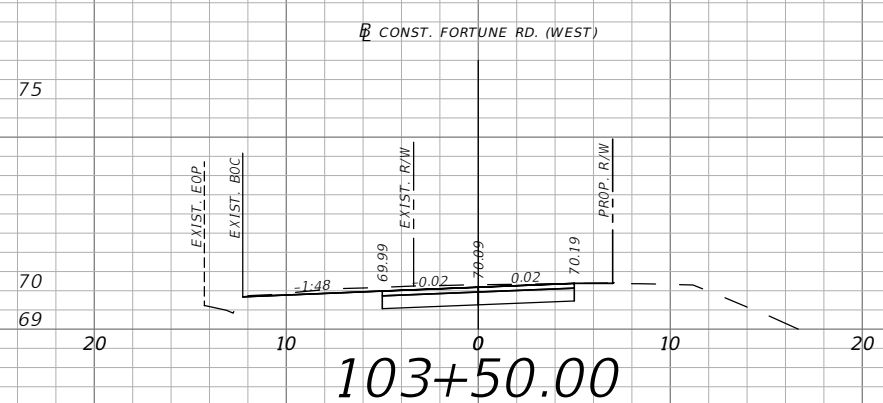
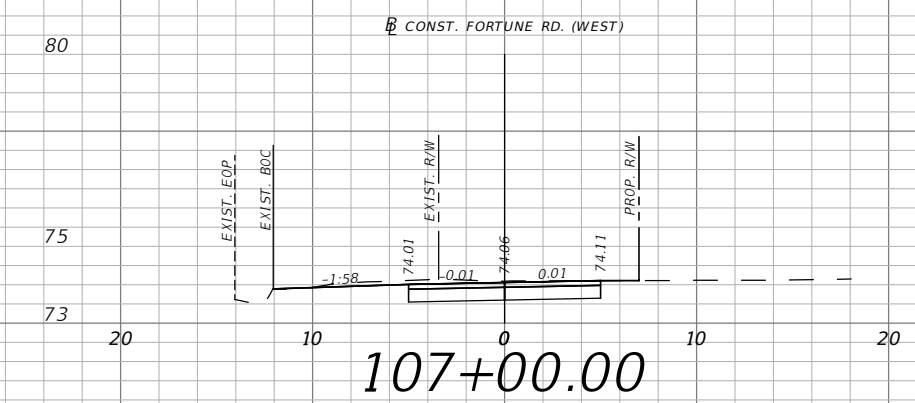
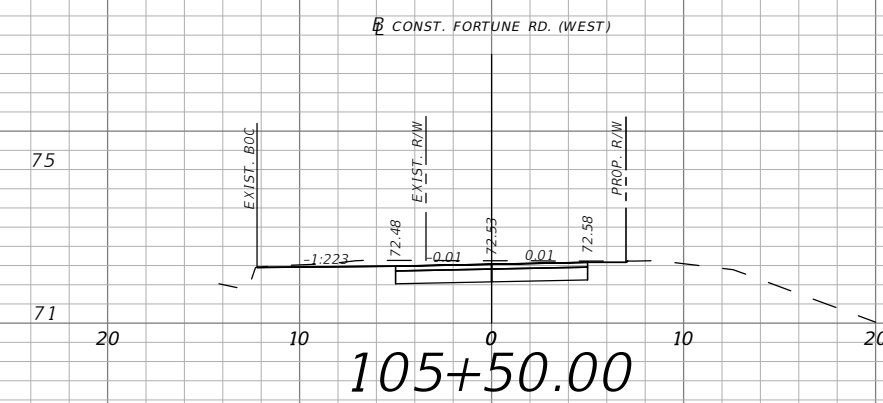
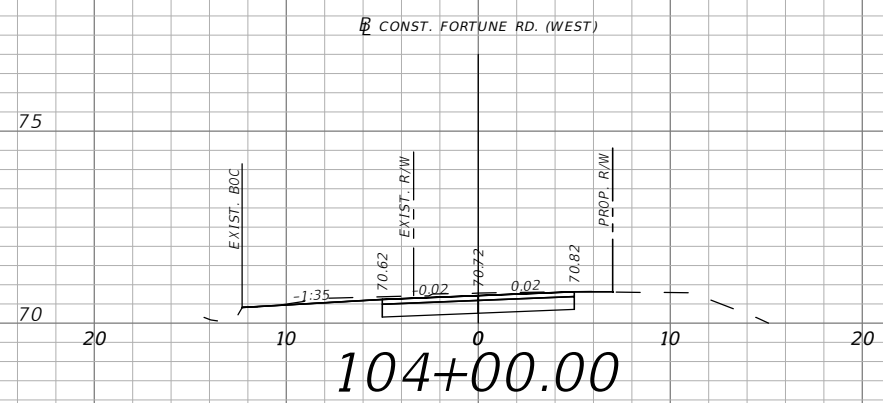
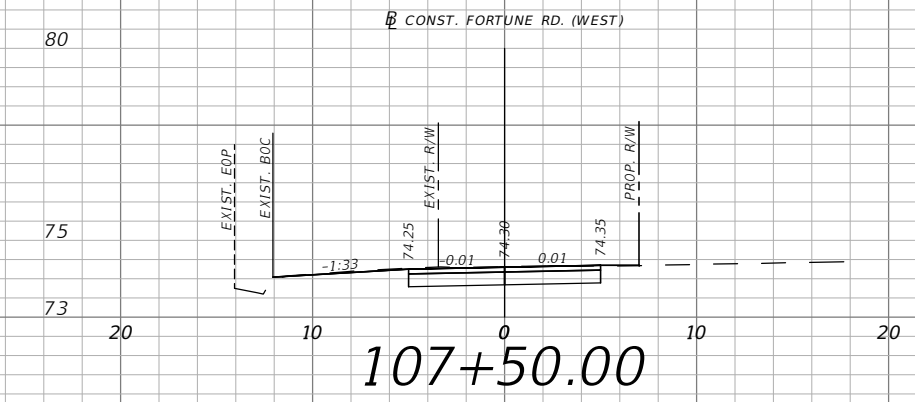
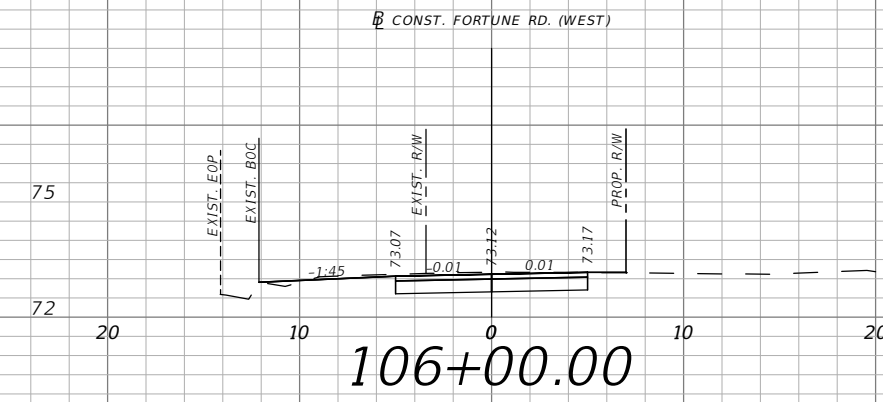
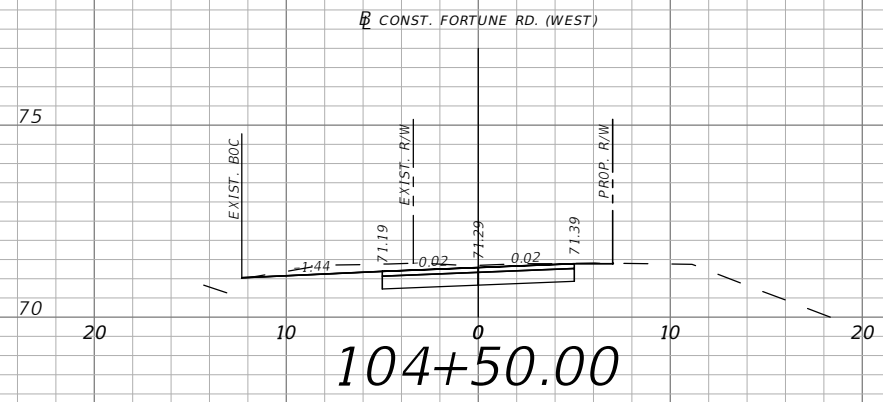
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Orlando, FL 32801 (407)839-4006
Certificate of Authorization # 3932
Mark F. Bertocini, P.E.
PE # 63437



OSCEOLA COUNTY
FLORIDA

**FORTUNE RD - WEST
CROSS SECTIONS 01**

SHEET
NO.
XS-1



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

REVISIONS			
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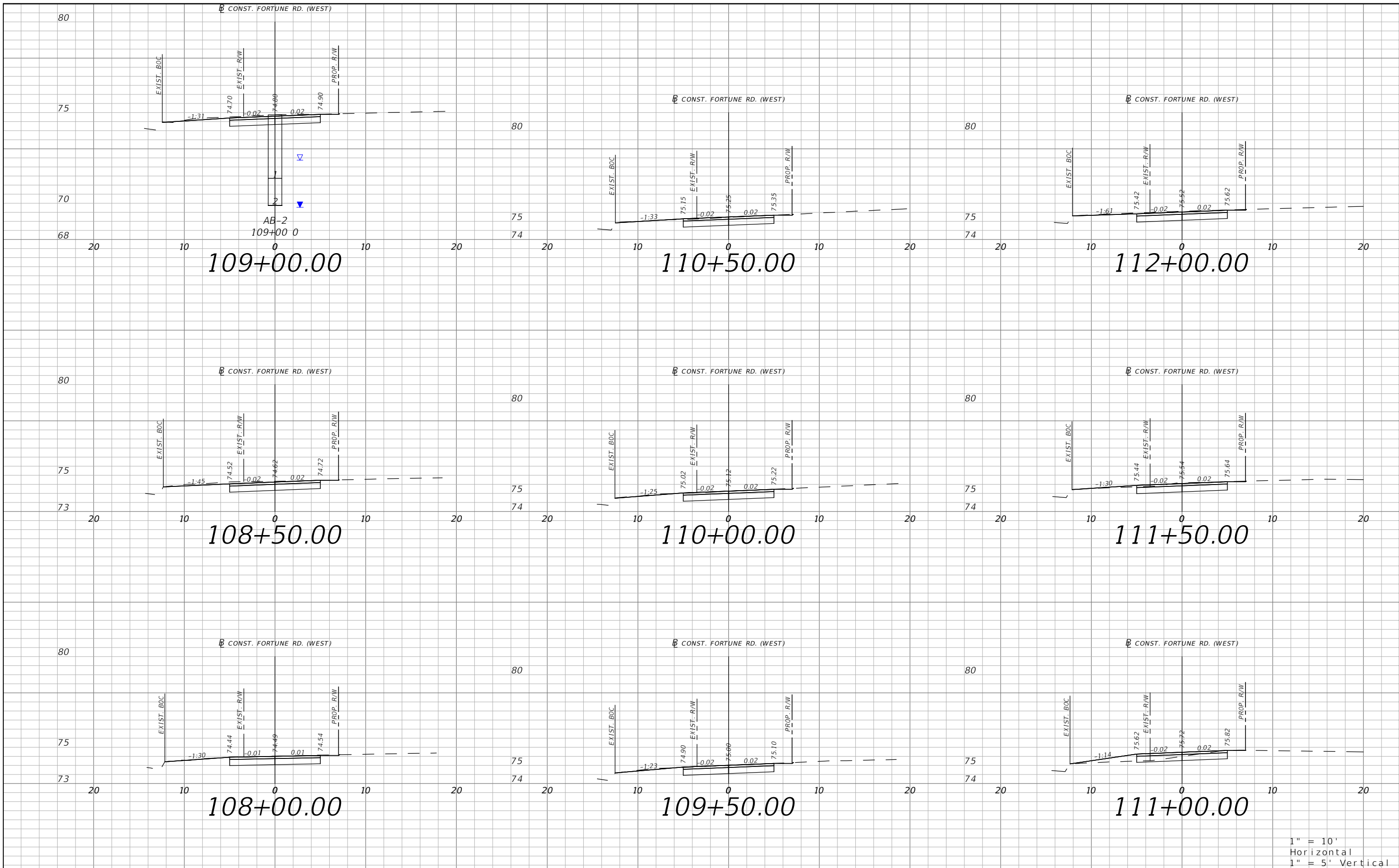


OSCEOLA COUNTY
FLORIDA

FORTUNE RD - WEST
CROSS SECTIONS 02

SHEET NO.
XS-2

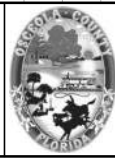
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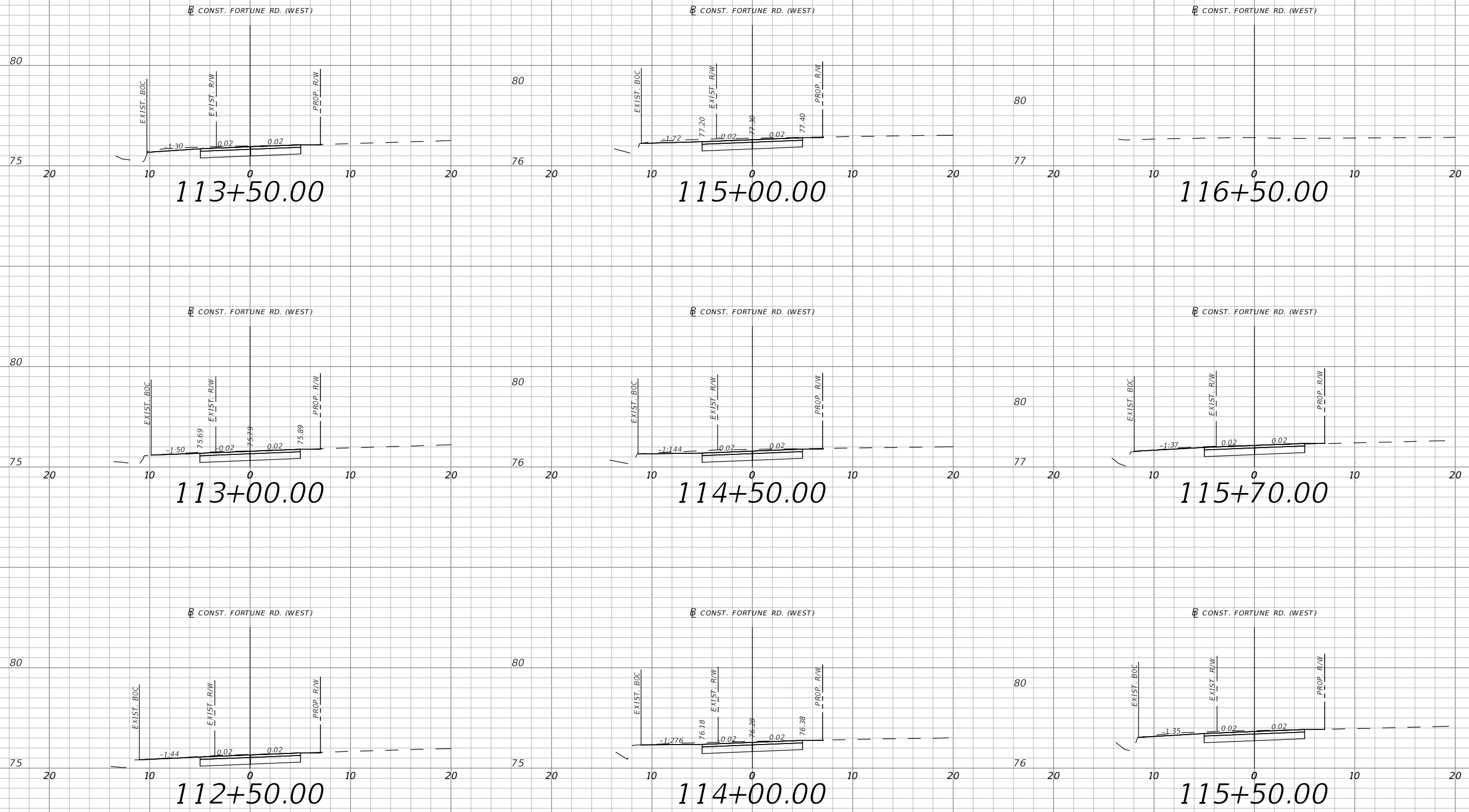


OSCEOLA COUNTY
FLORIDA

FORTUNE RD - WEST
CROSS SECTIONS 03

SHEET
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XS-3

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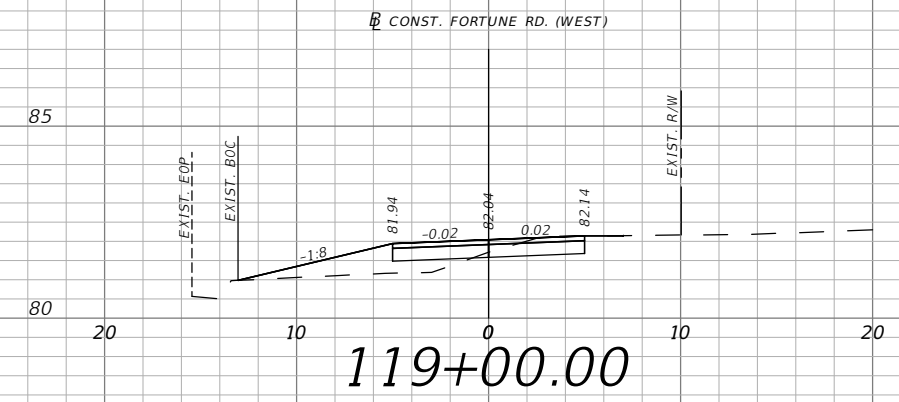
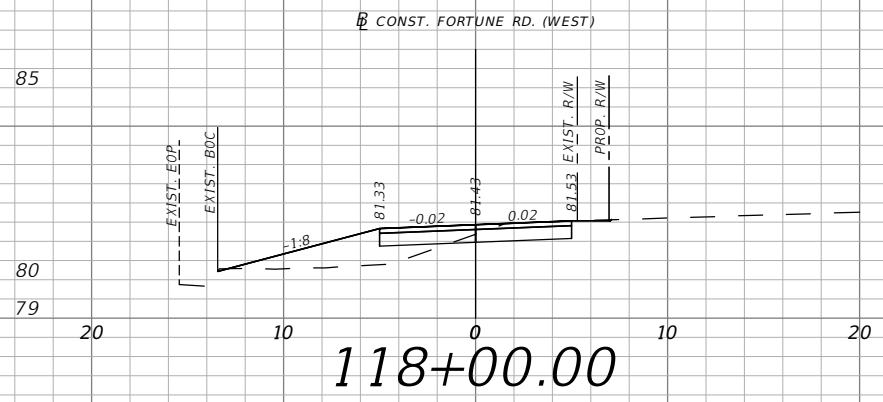
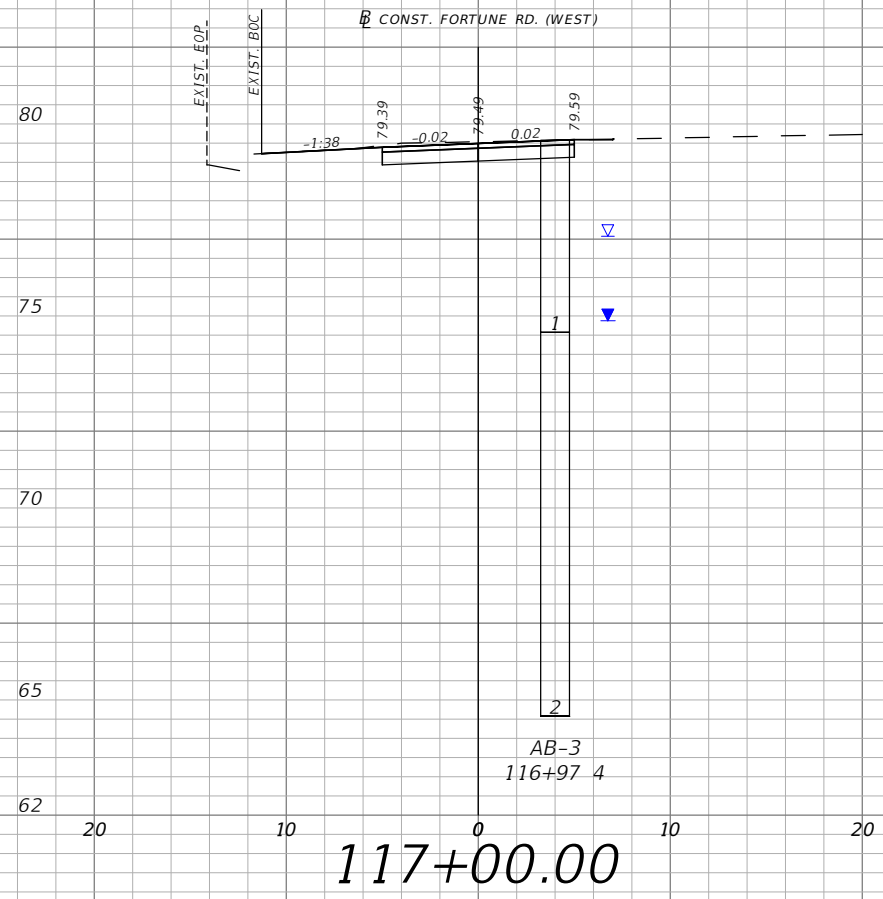
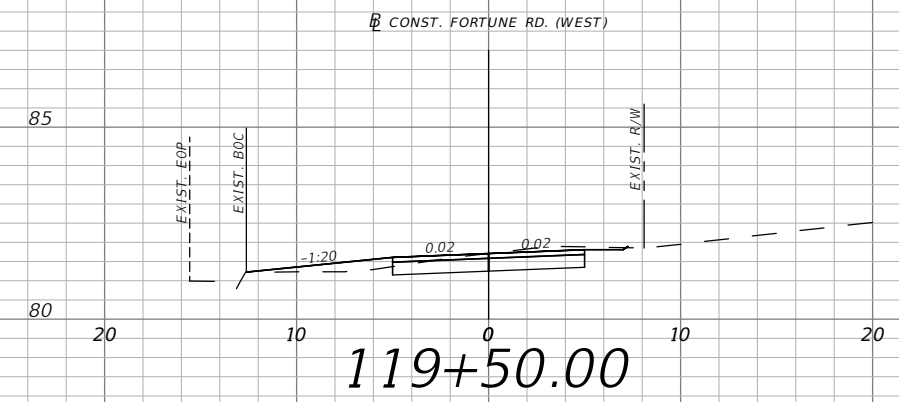
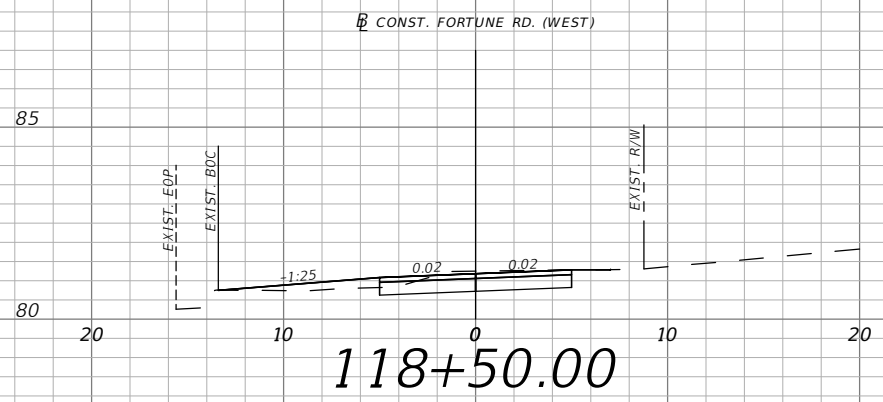
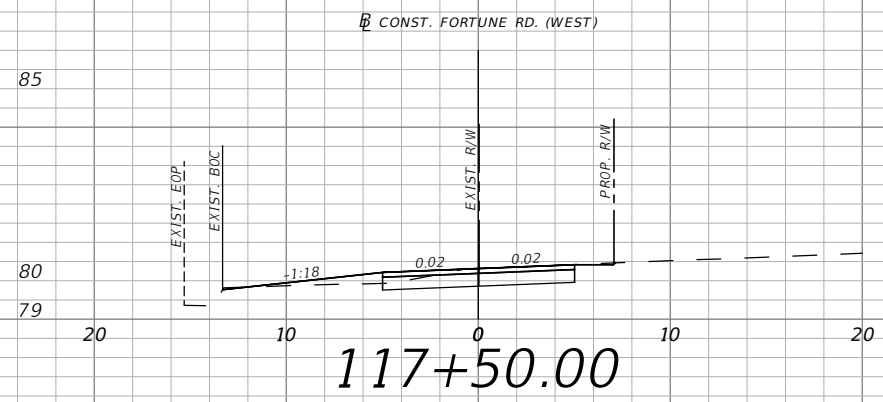


OSCEOLA COUNTY
FLORIDA

FORTUNE RD - WEST
CROSS SECTIONS 04

SHEET
NO.
XS-4

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Horizontal
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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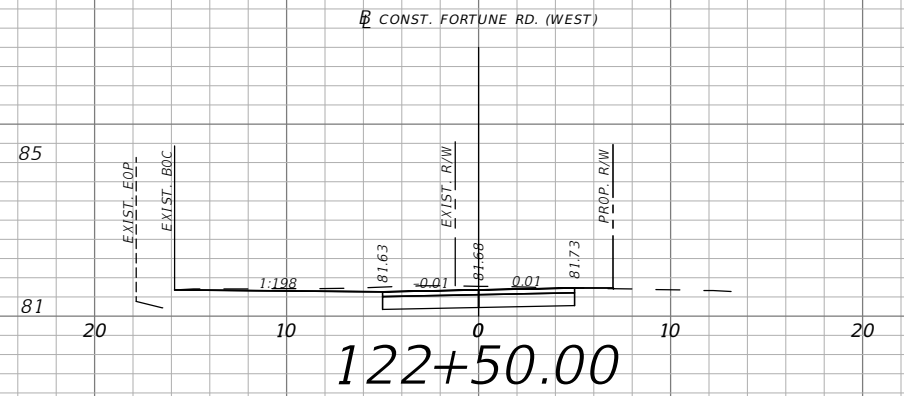
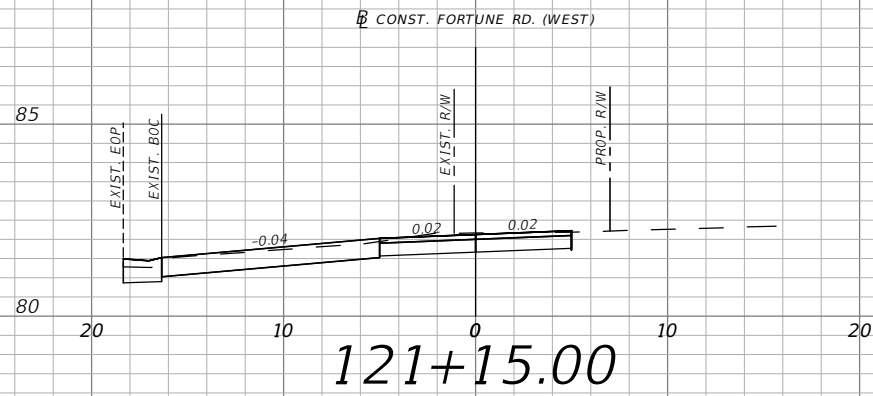
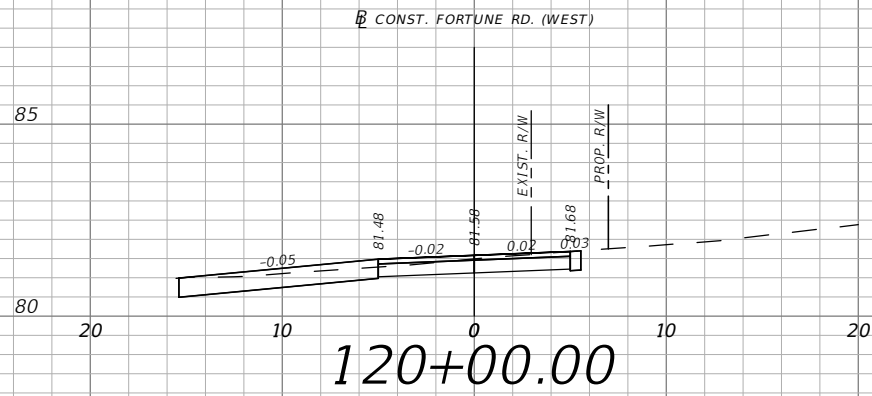
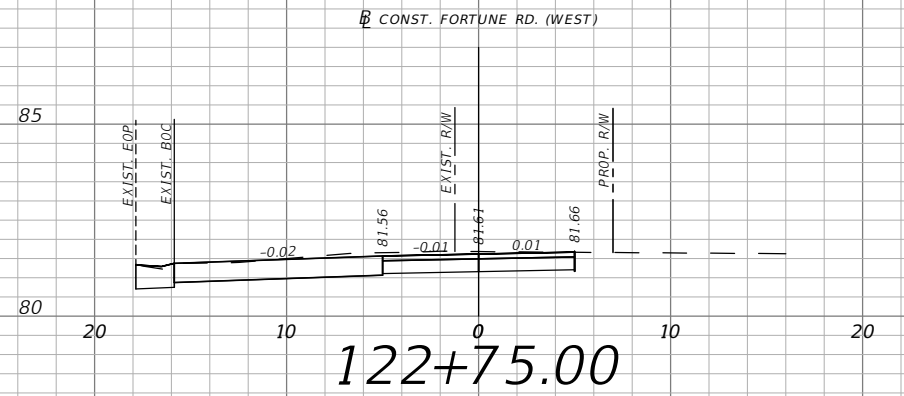
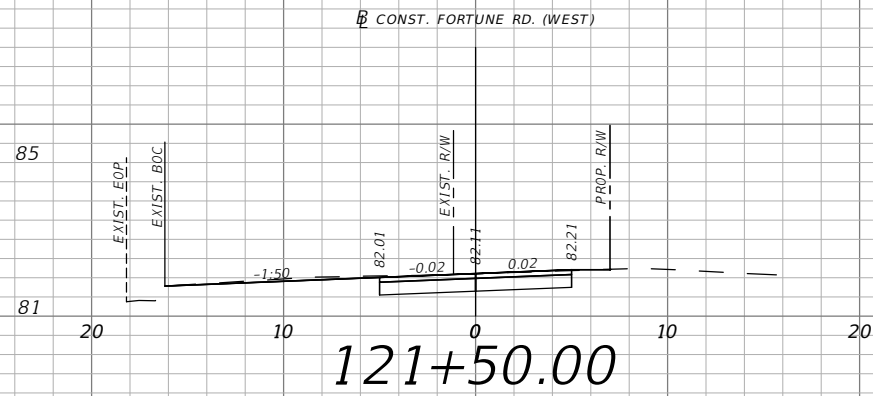
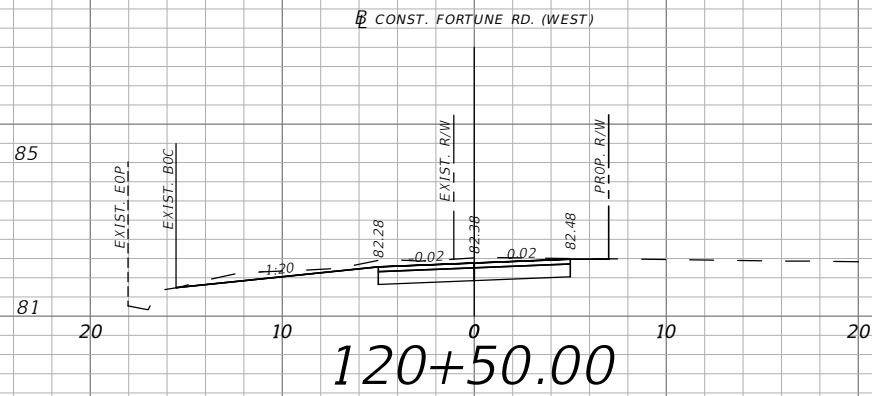
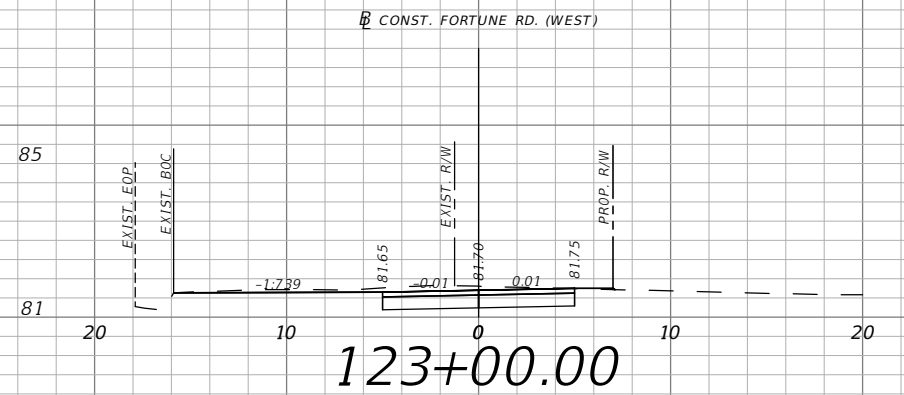
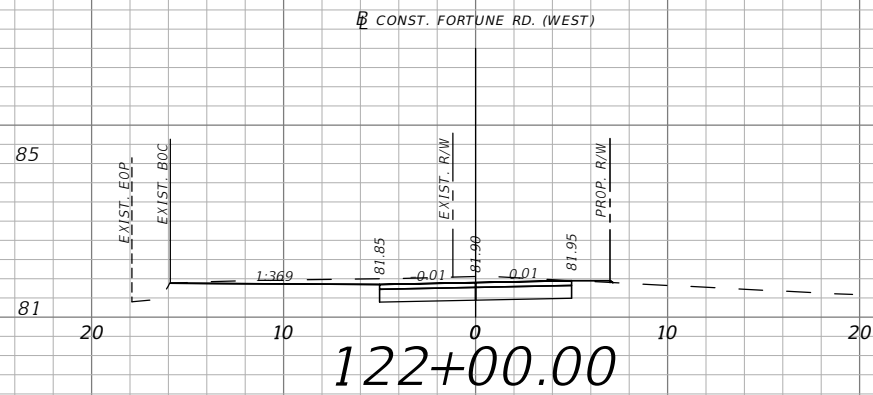
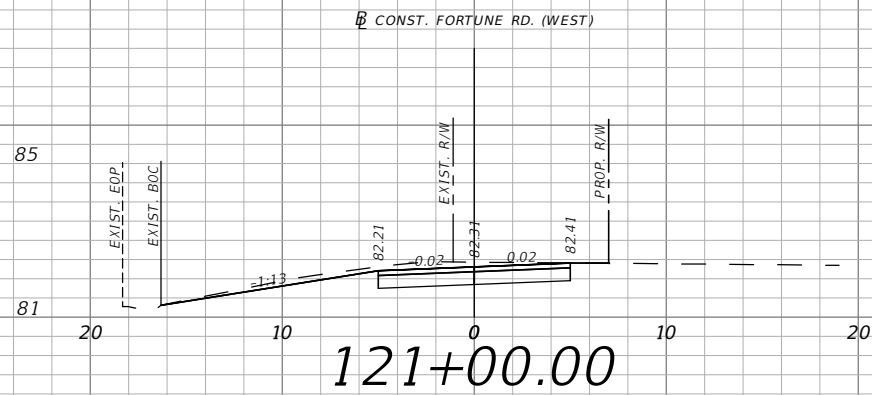


OSCEOLA COUNTY
FLORIDA

FORTUNE RD - WEST
CROSS SECTIONS 05

SHEET
NO.
XS-5

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Horizontal
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

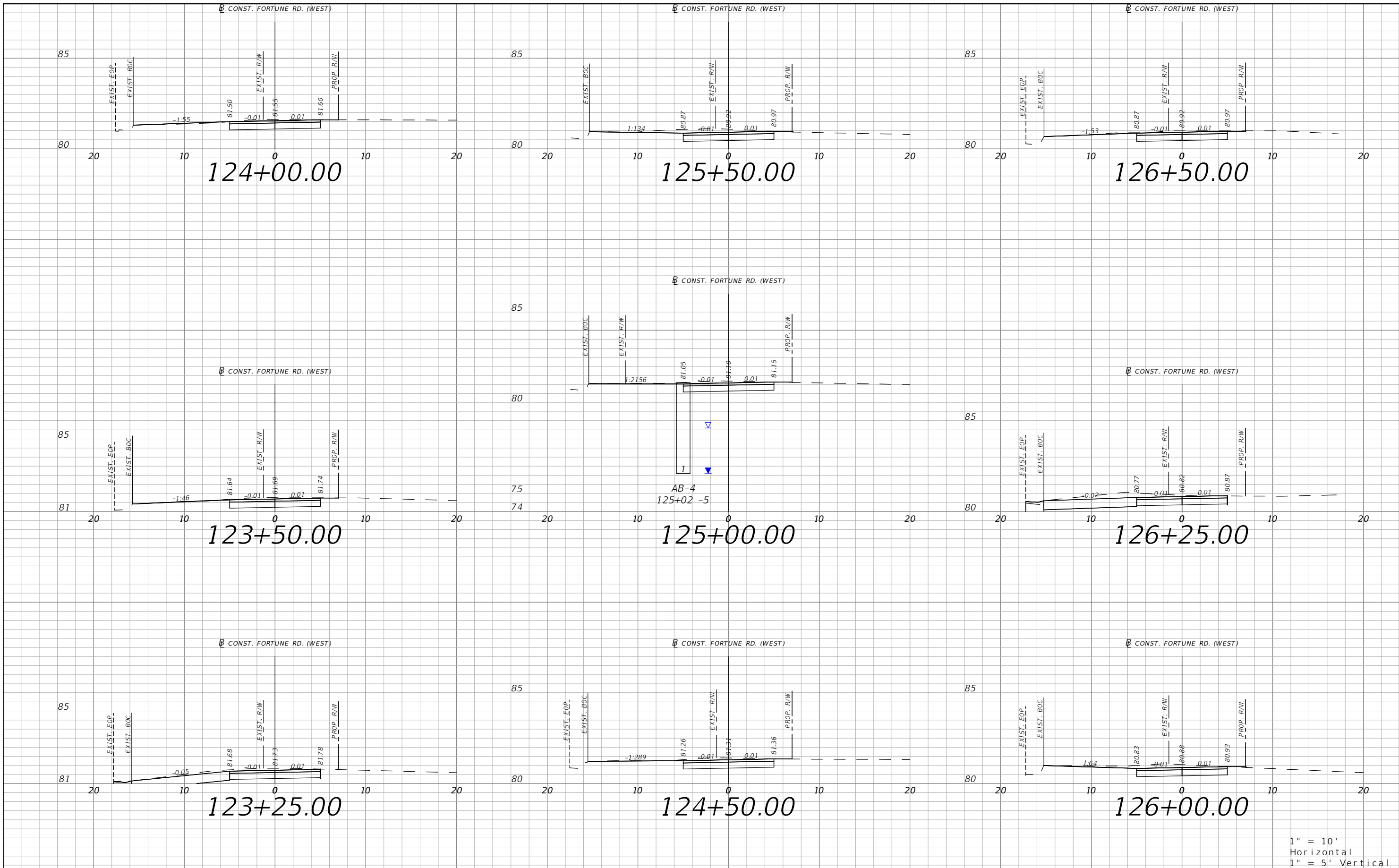


OSCEOLA COUNTY
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FORTUNE RD - WEST
CROSS SECTIONS 06

SHEET
NO.
XS-6

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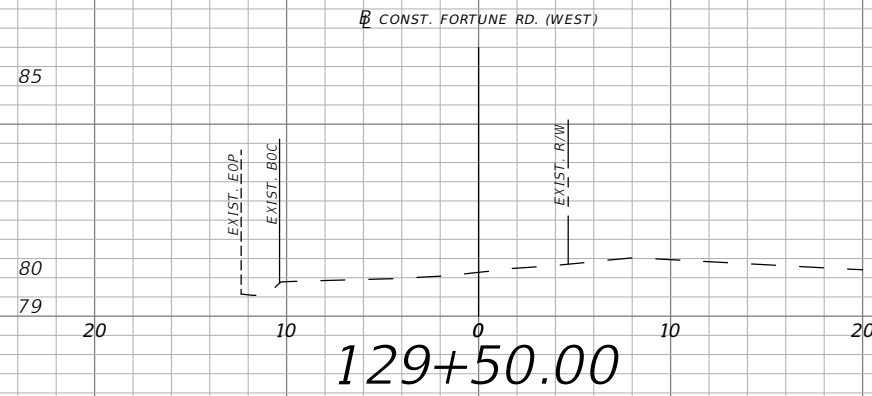
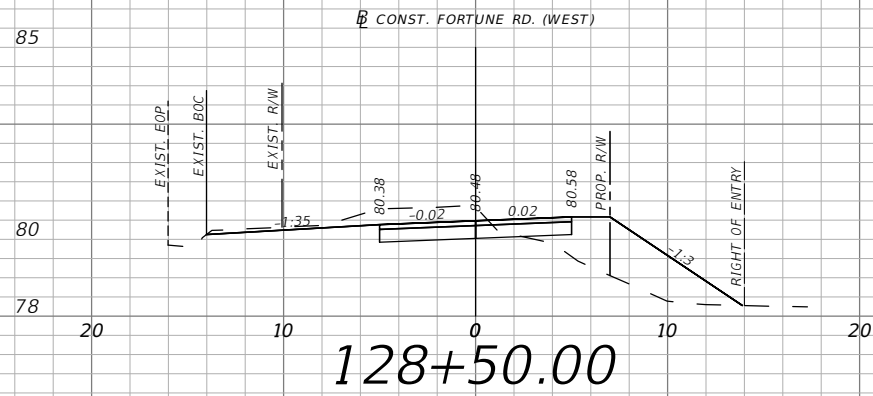
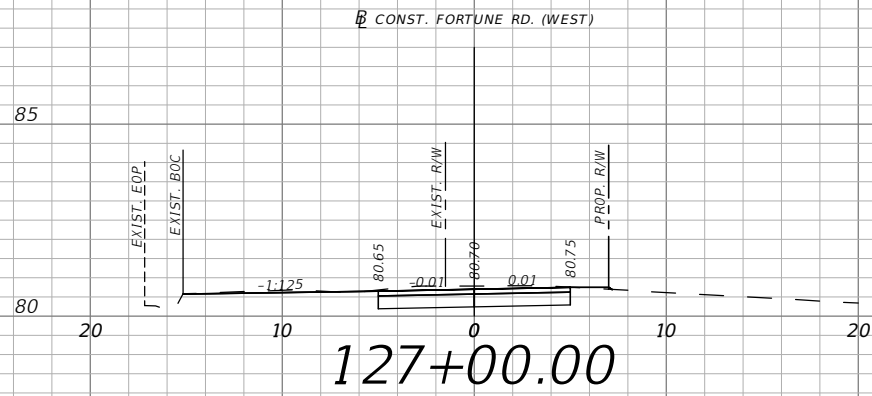
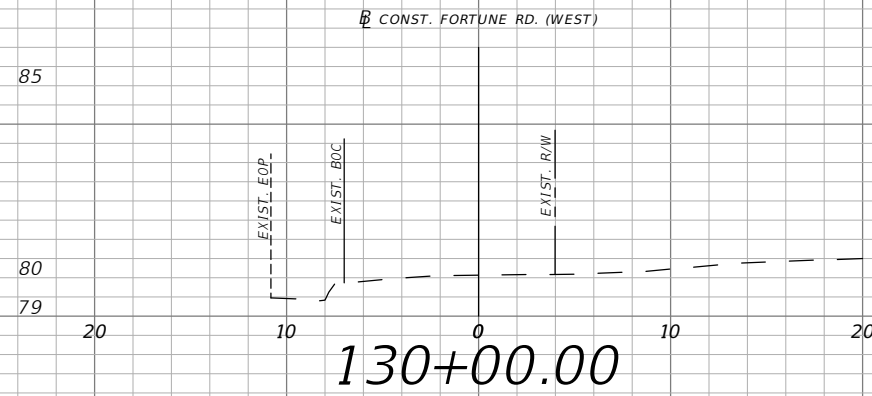
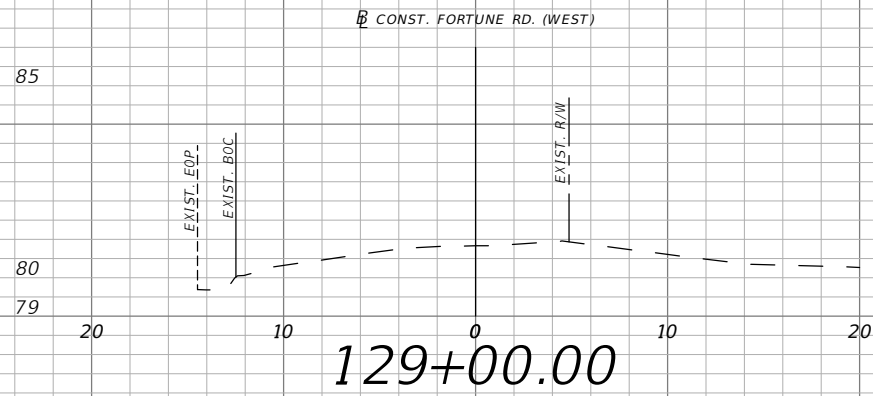
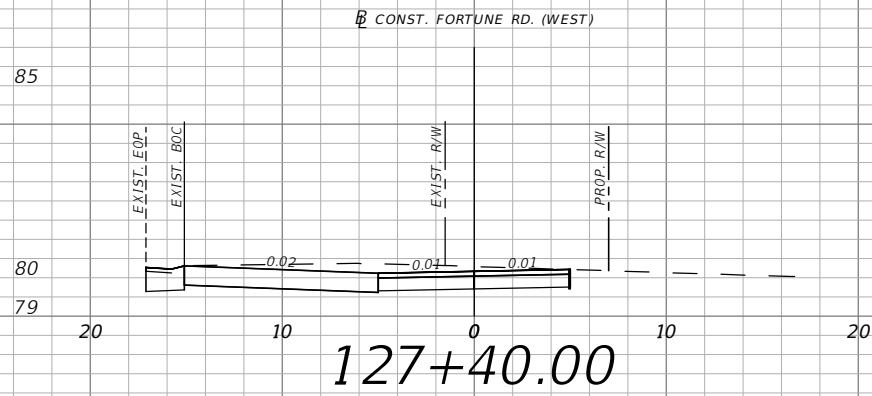
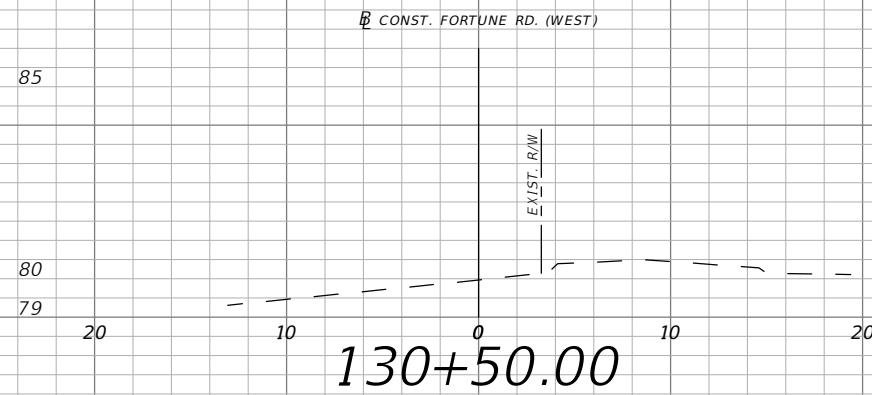
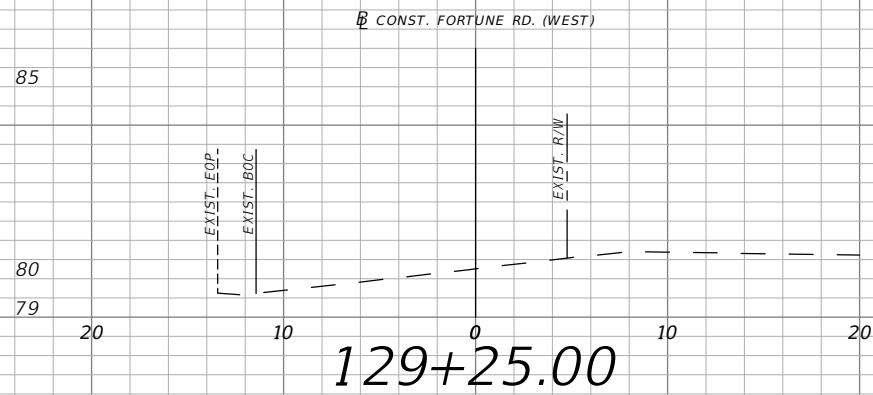
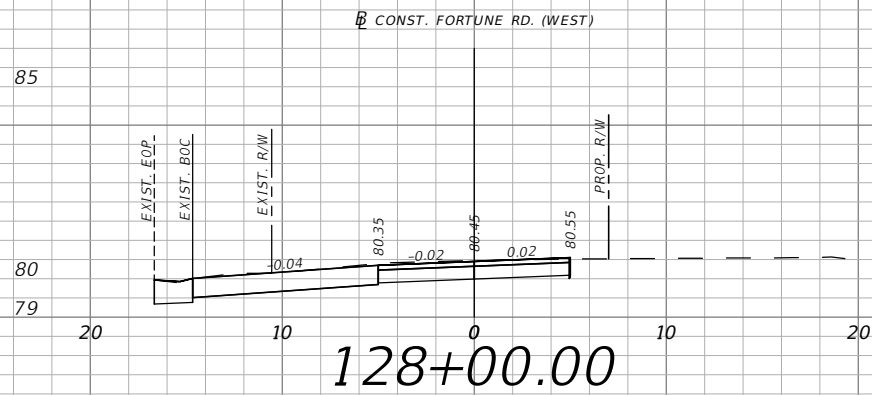


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FORTUNE RD - WEST
CROSS SECTIONS 07

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XS-7

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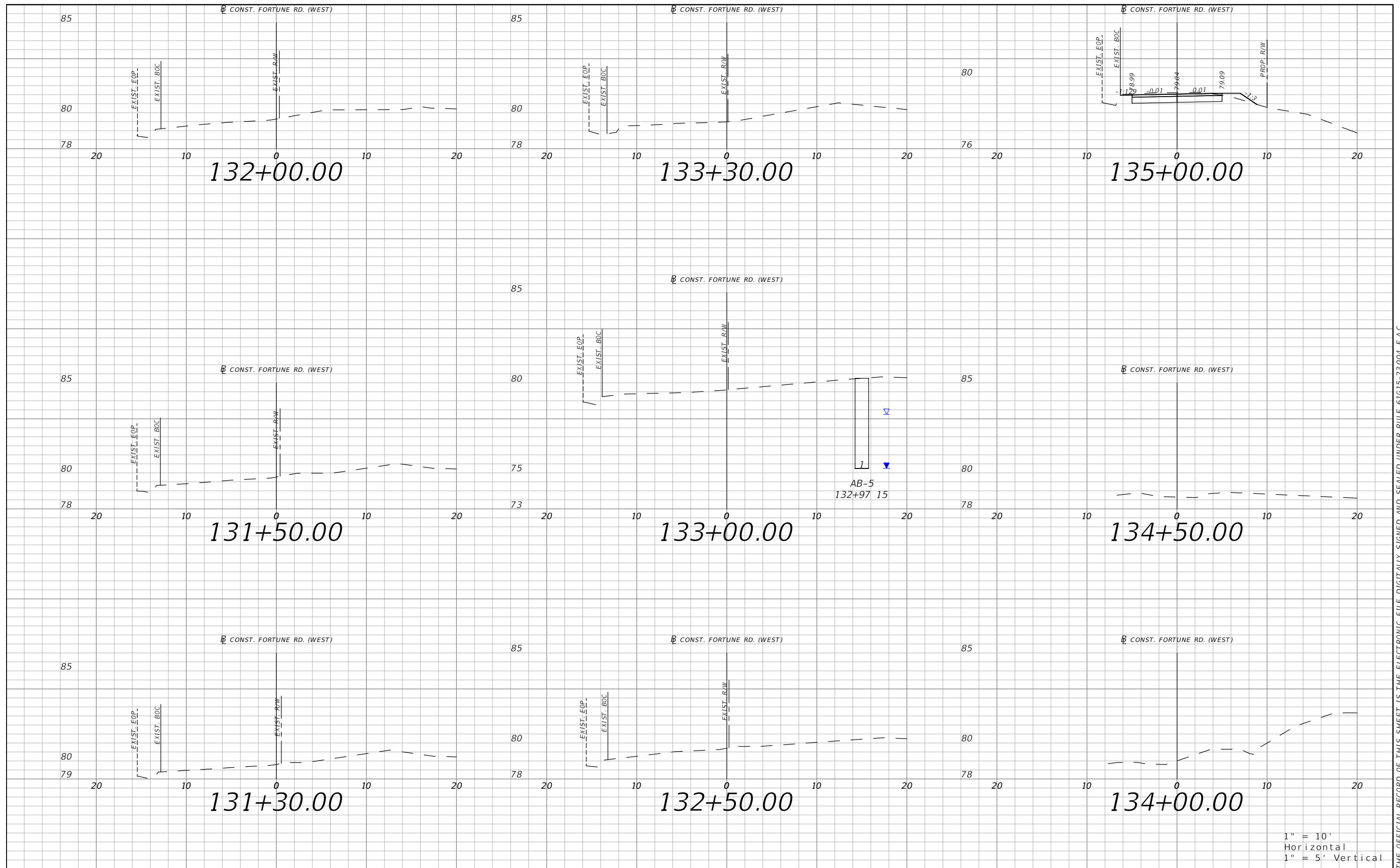


OSCEOLA COUNTY
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FORTUNE RD - WEST
CROSS SECTIONS 08

SHEET
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XS-8

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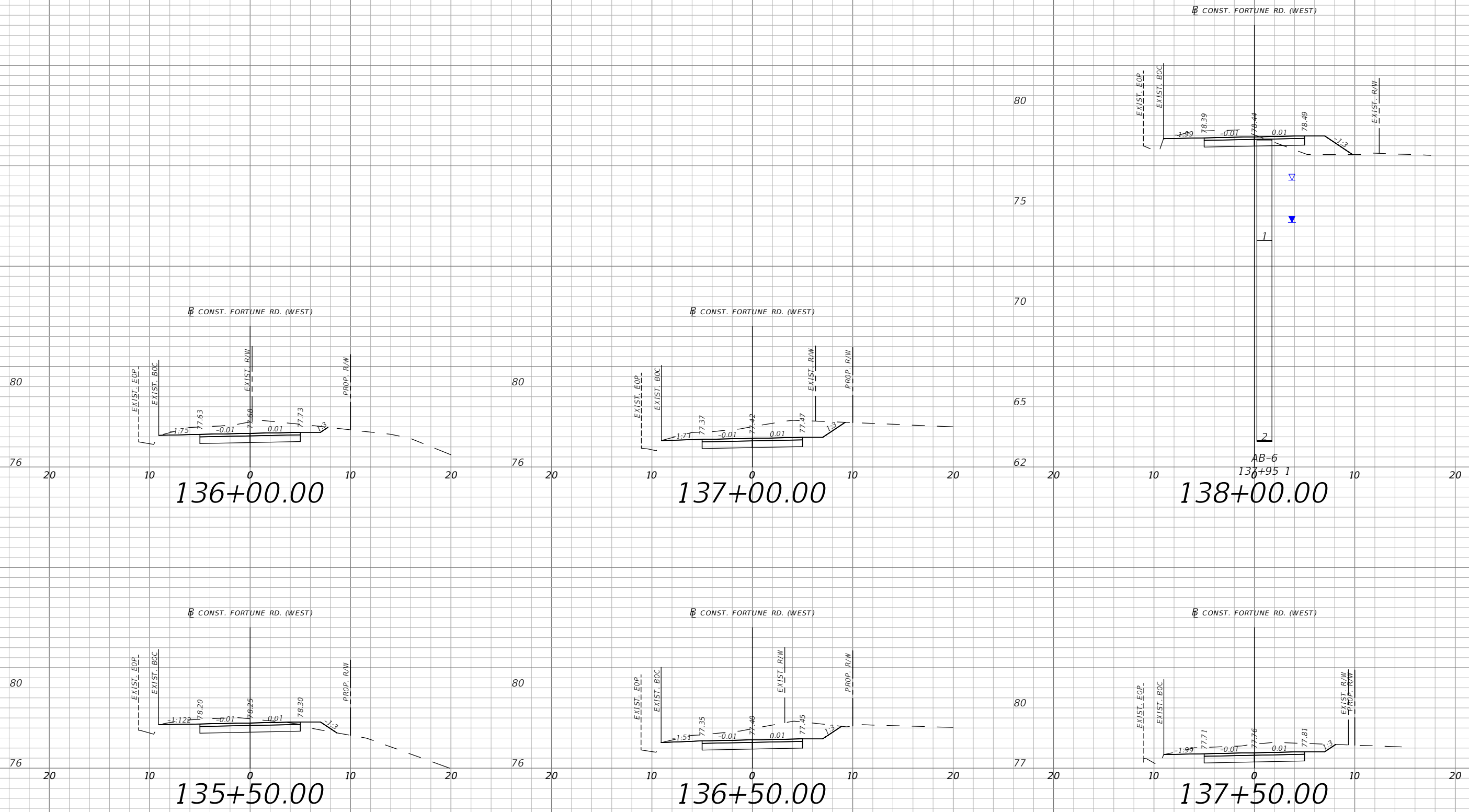


OSCEOLA COUNTY
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FORTUNE RD - WEST
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SHEET NO.
XS-9

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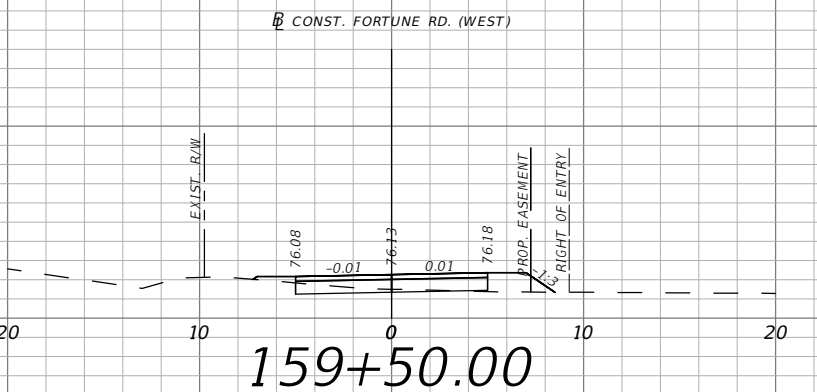
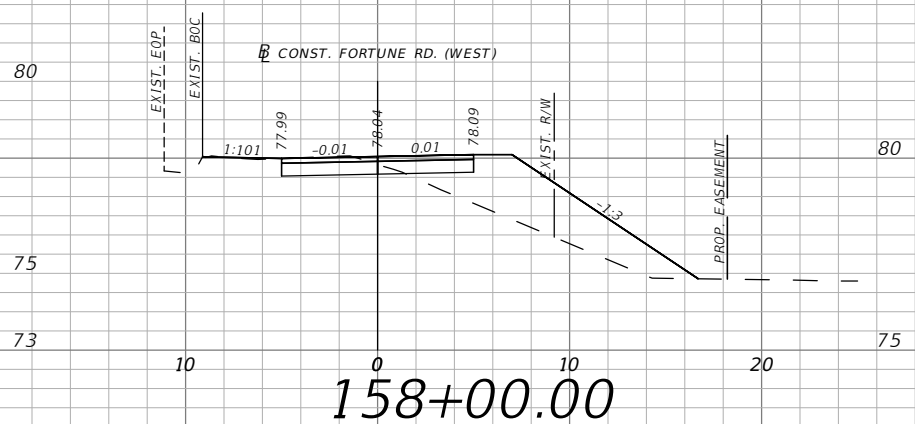
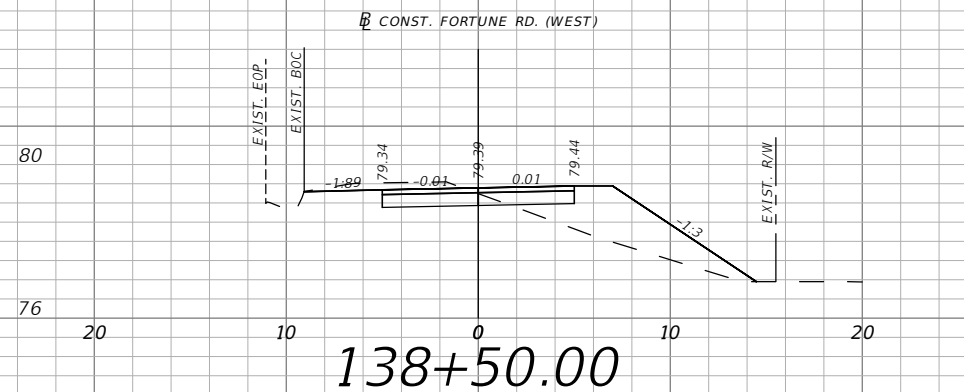
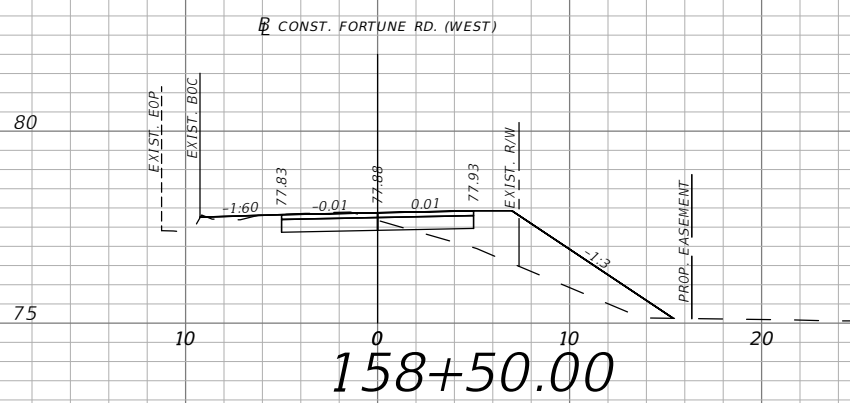
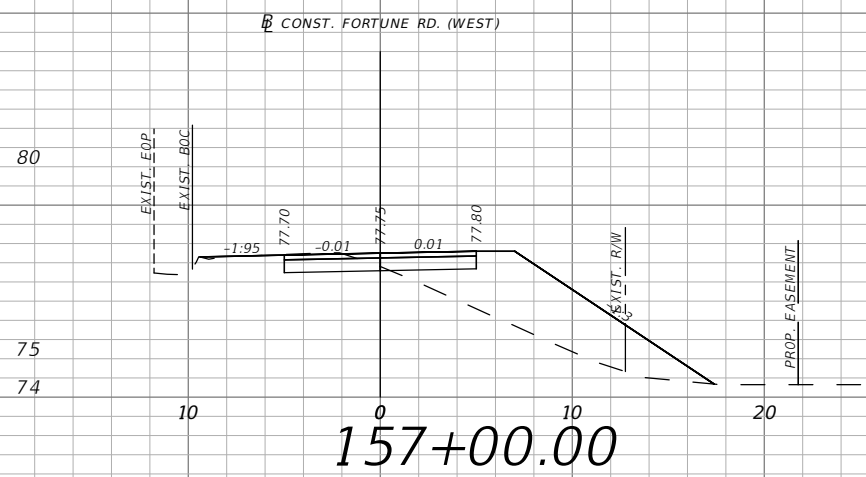
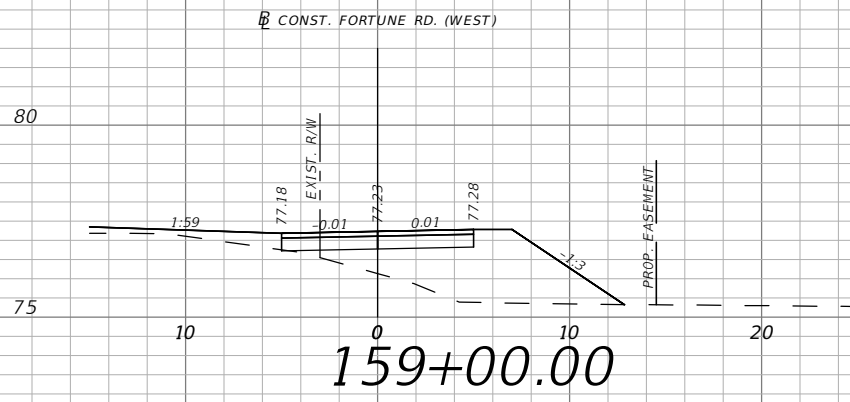
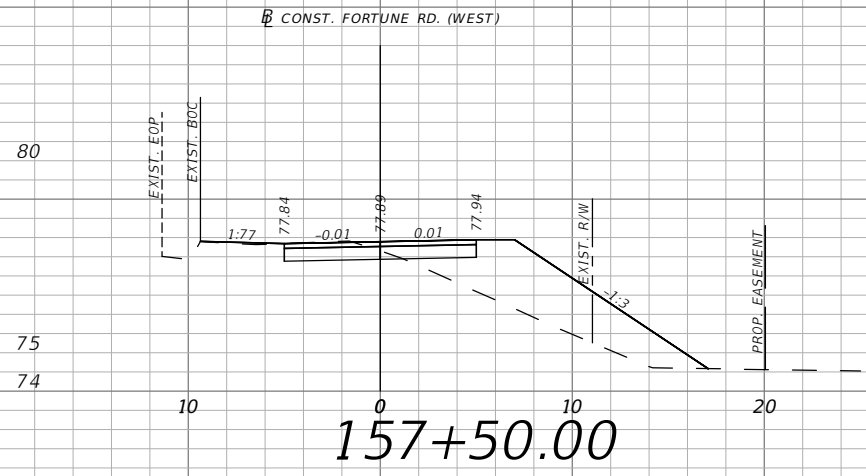


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FORTUNE RD - WEST
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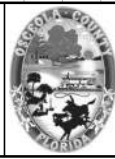


1" = 10'
Horizontal
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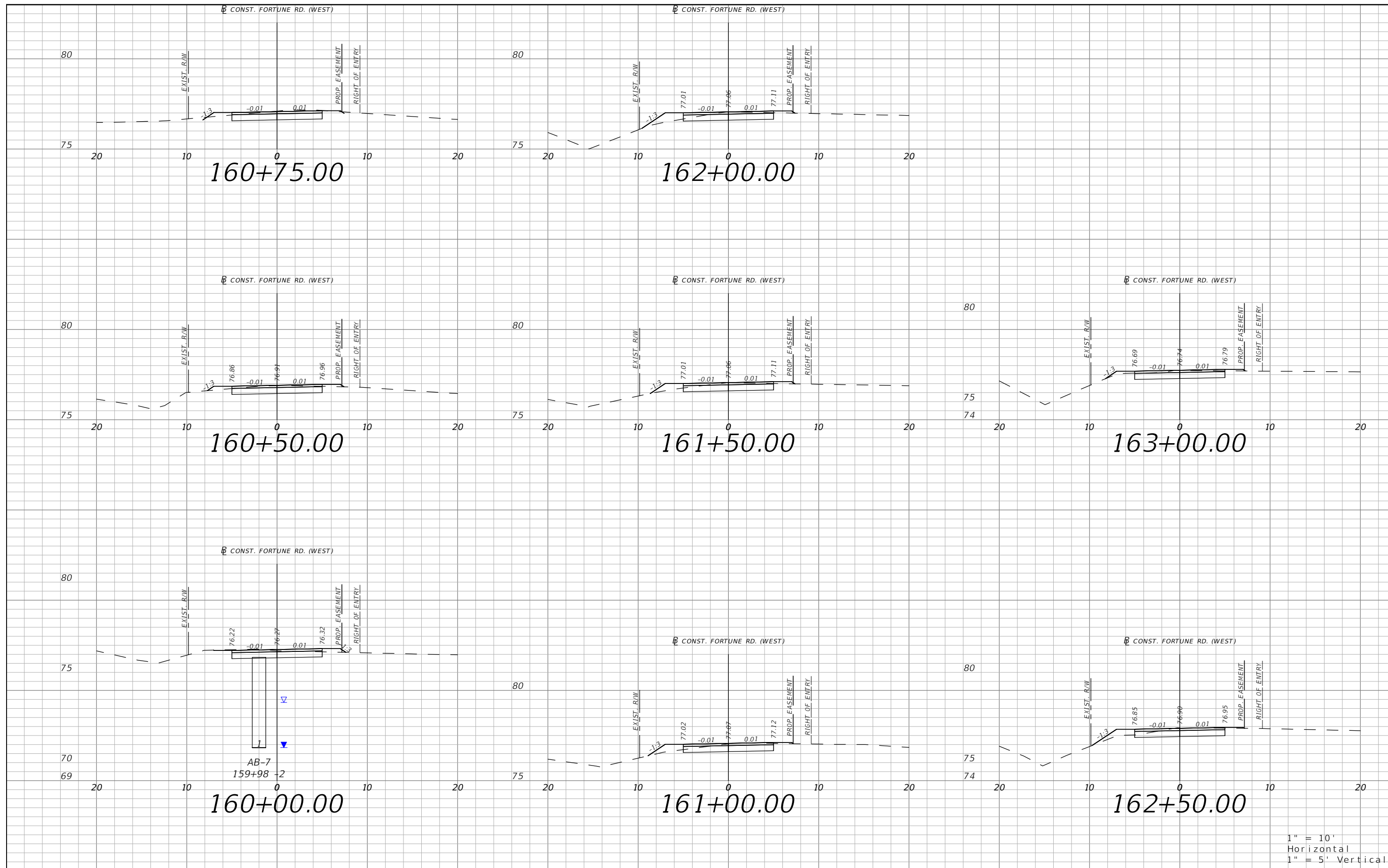


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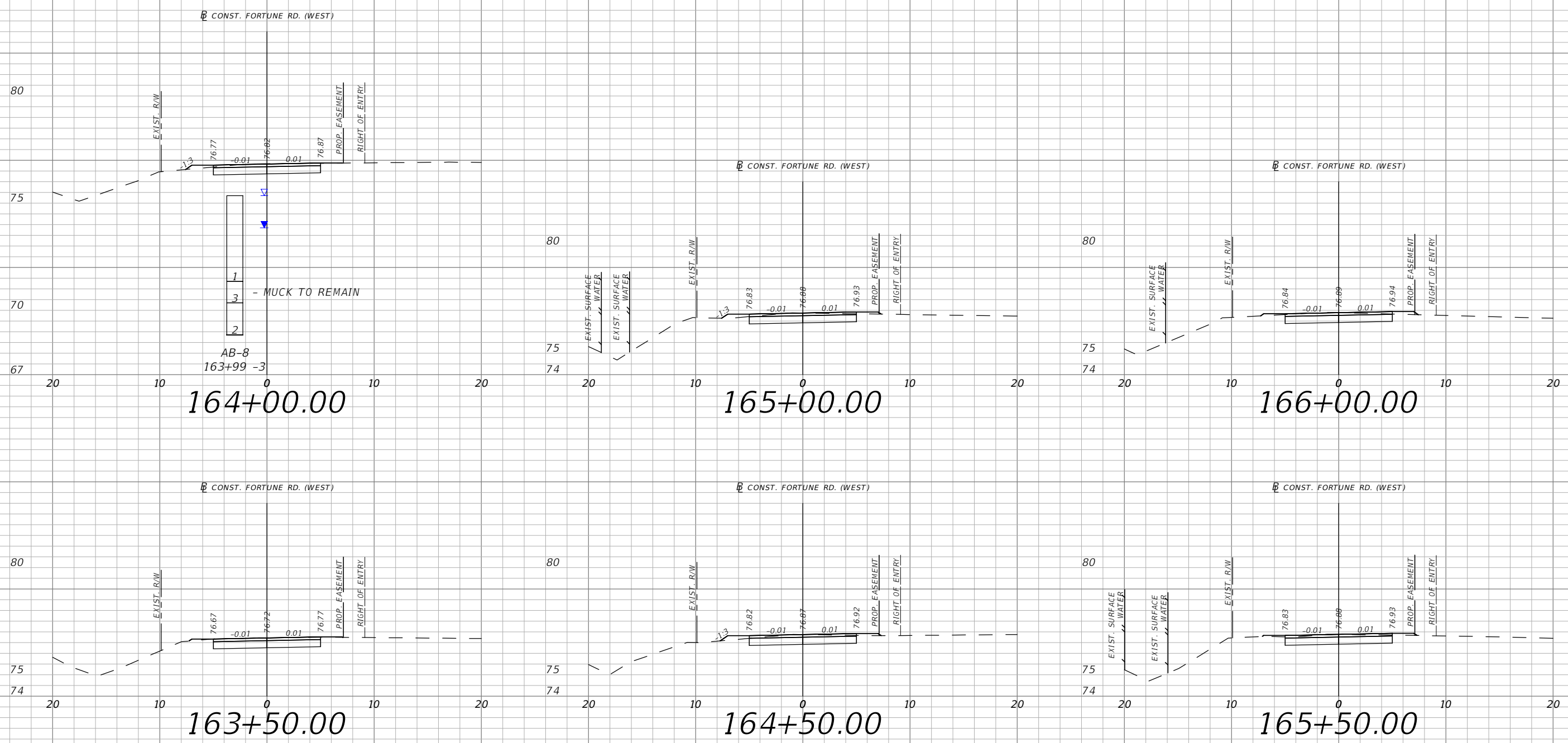


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XS-12

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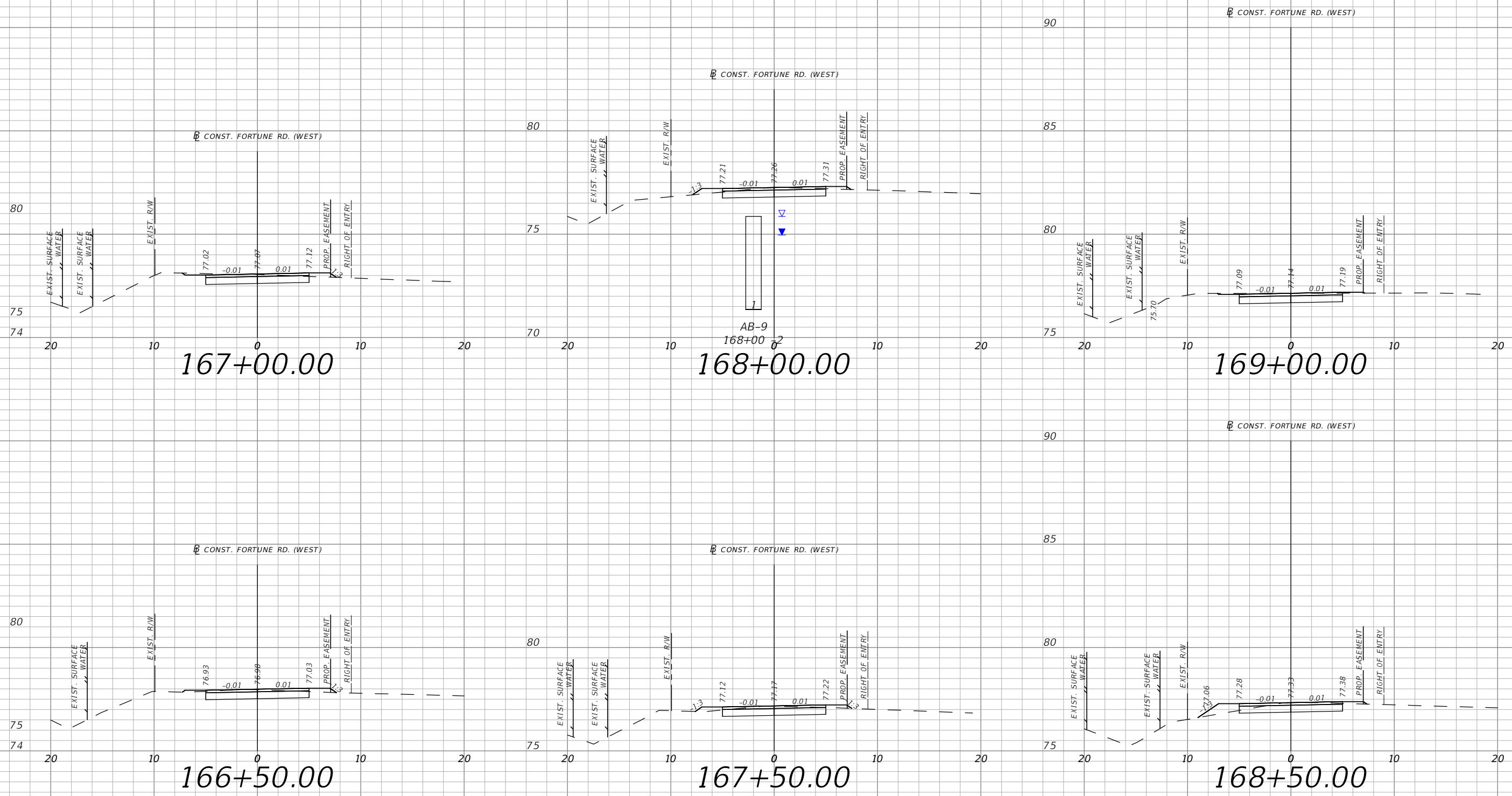


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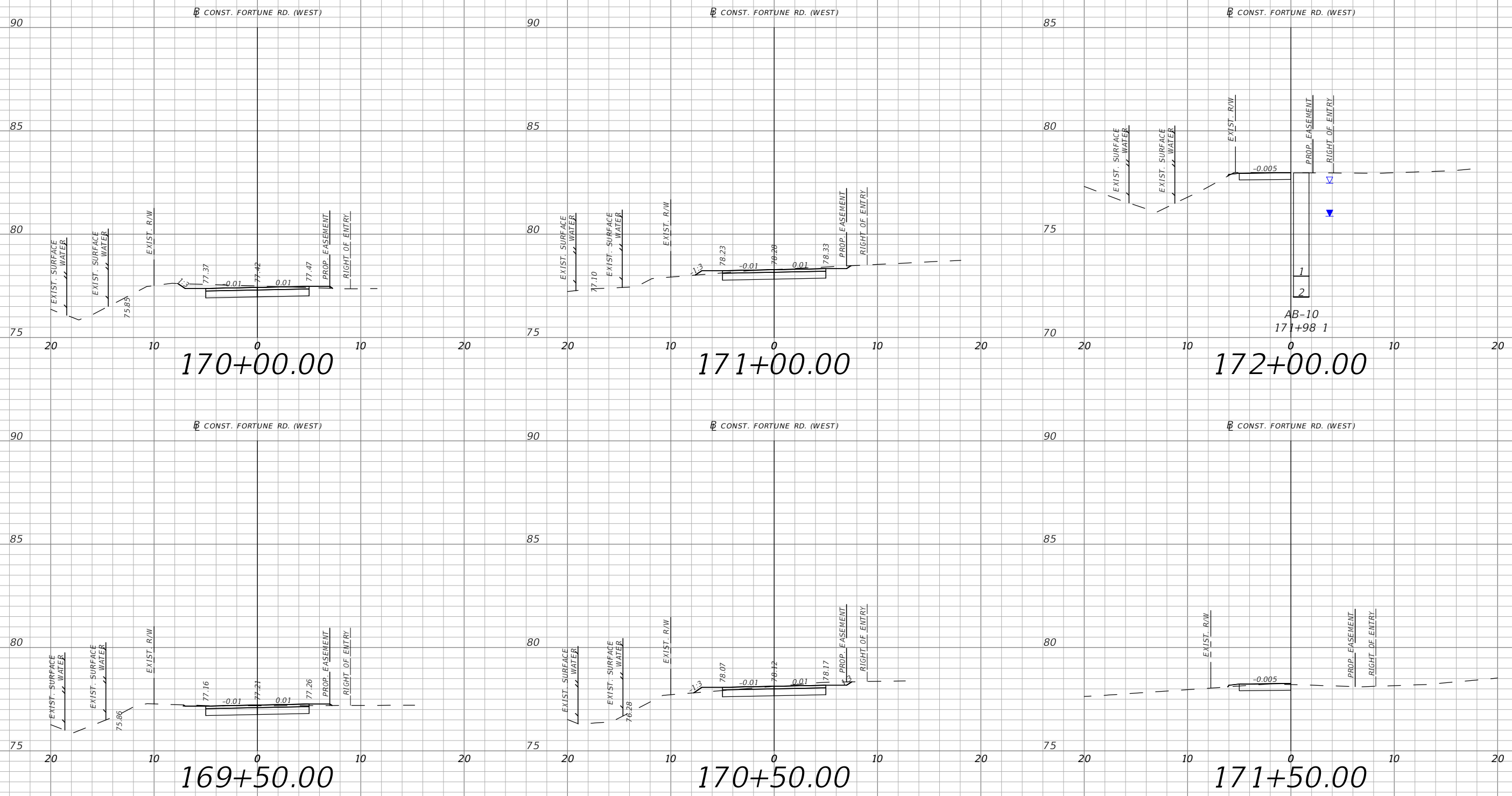


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SHEET
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XS-14

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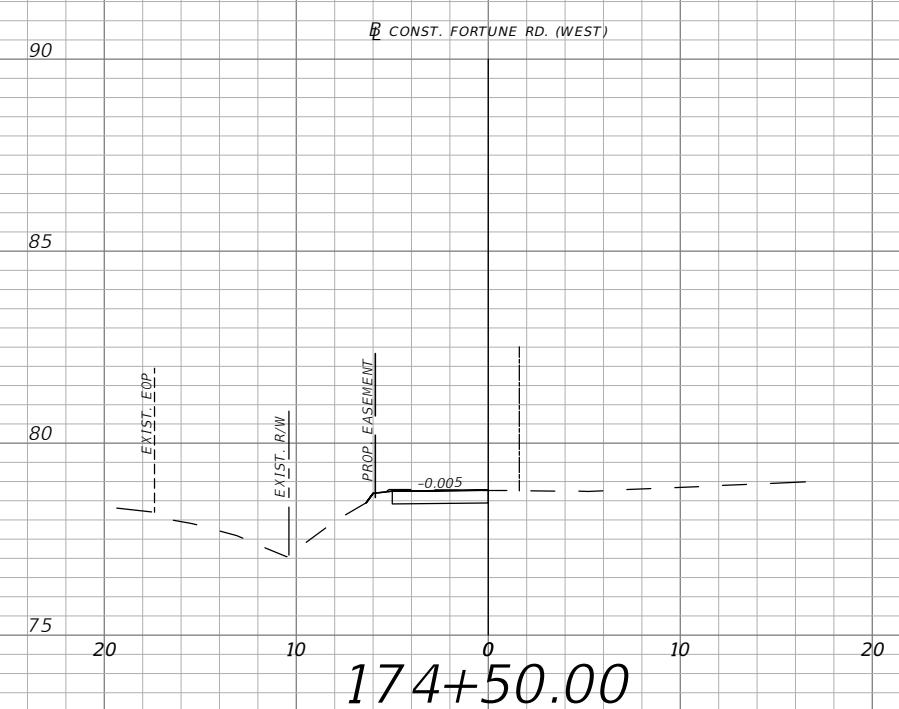
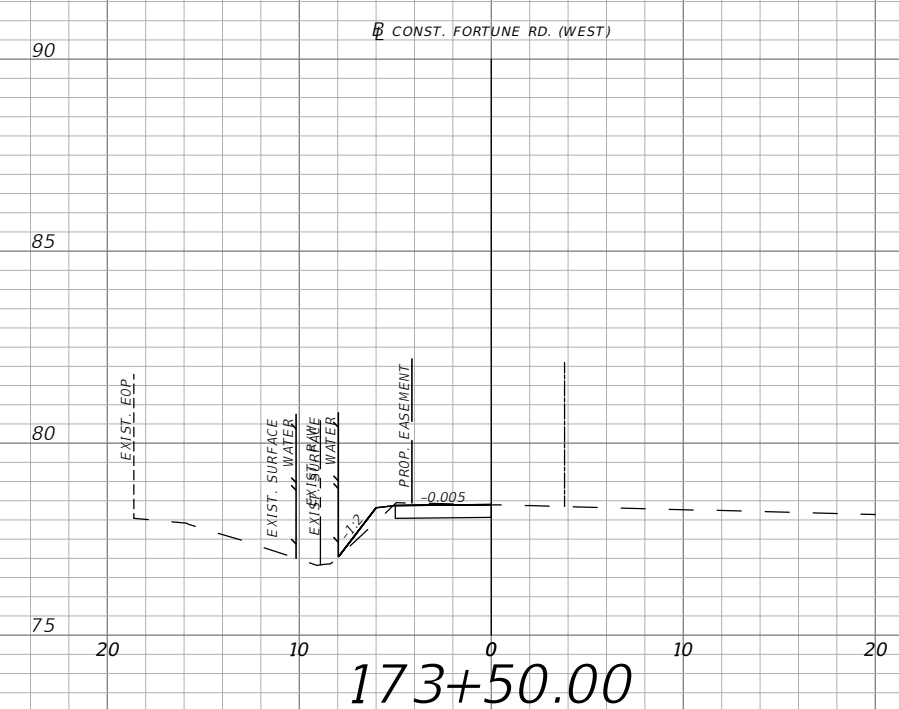
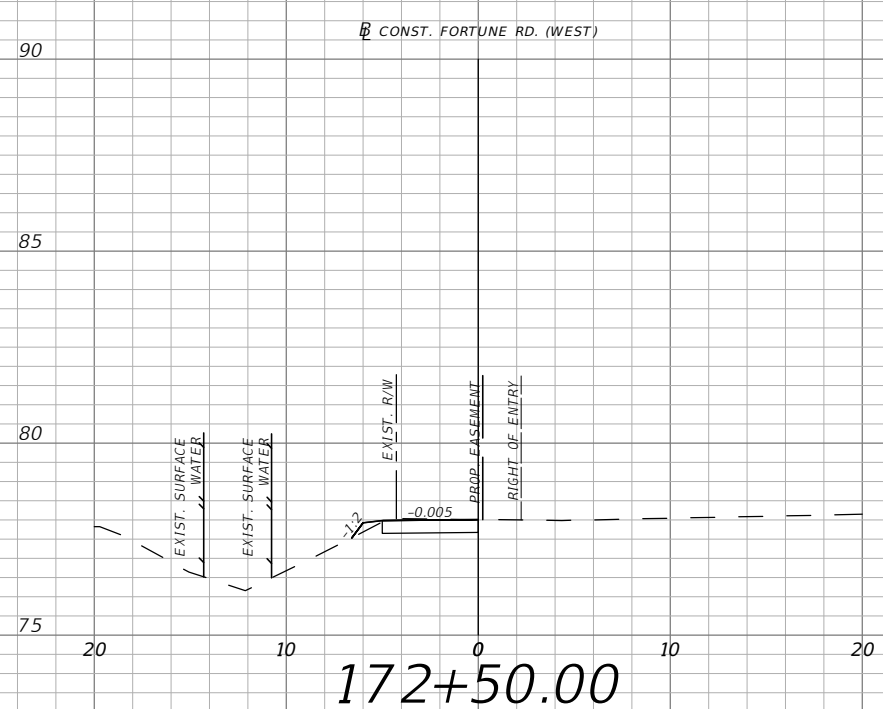
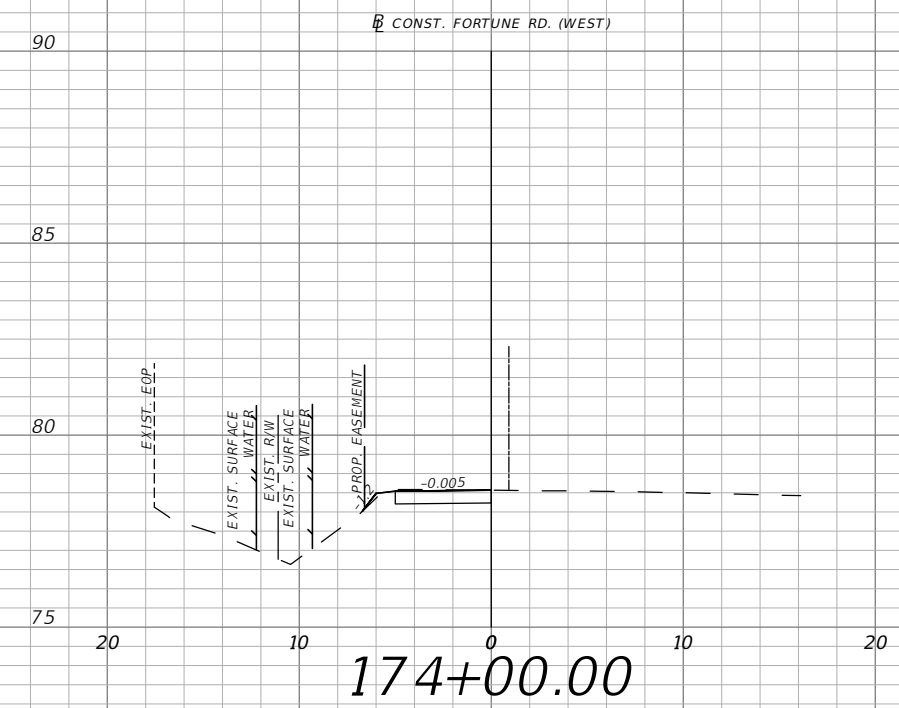
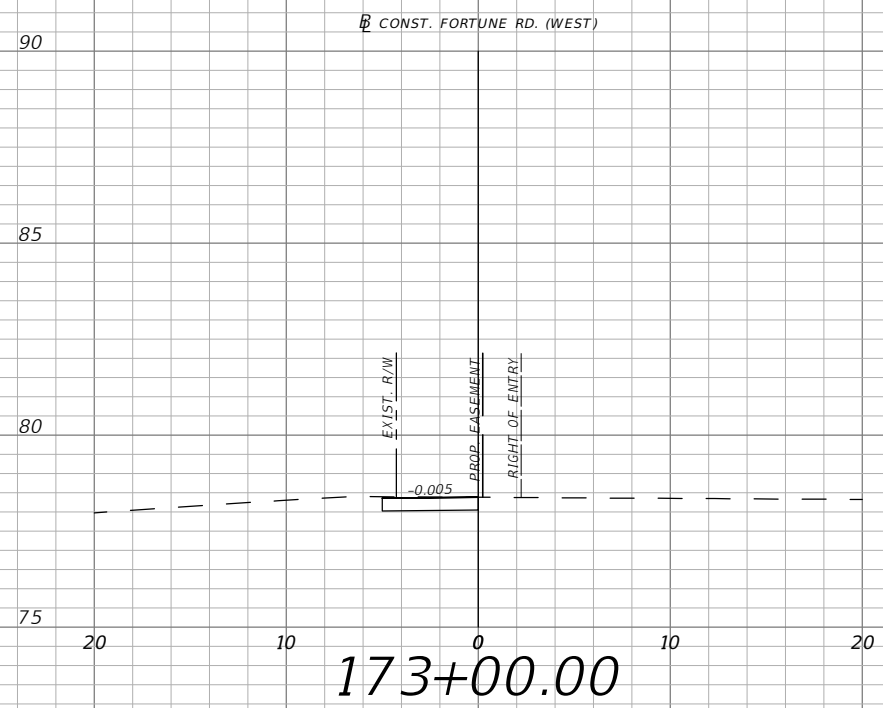


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SHEET
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Horizontal
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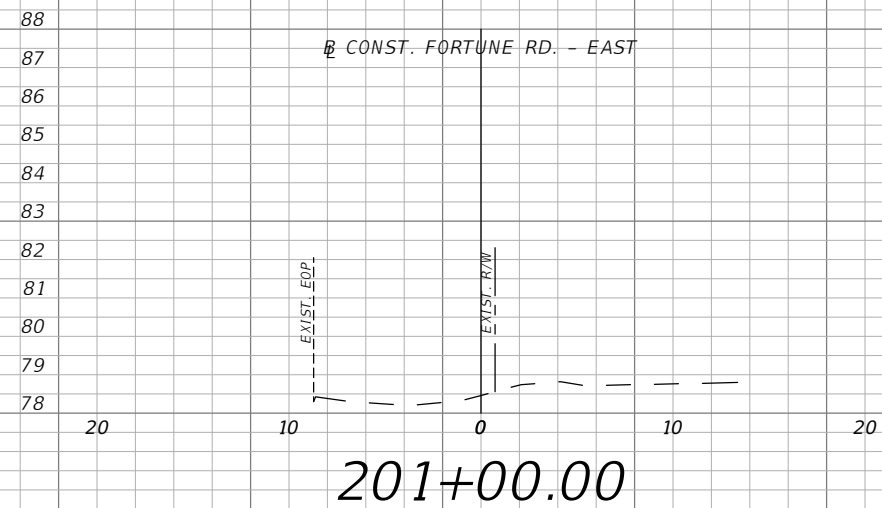
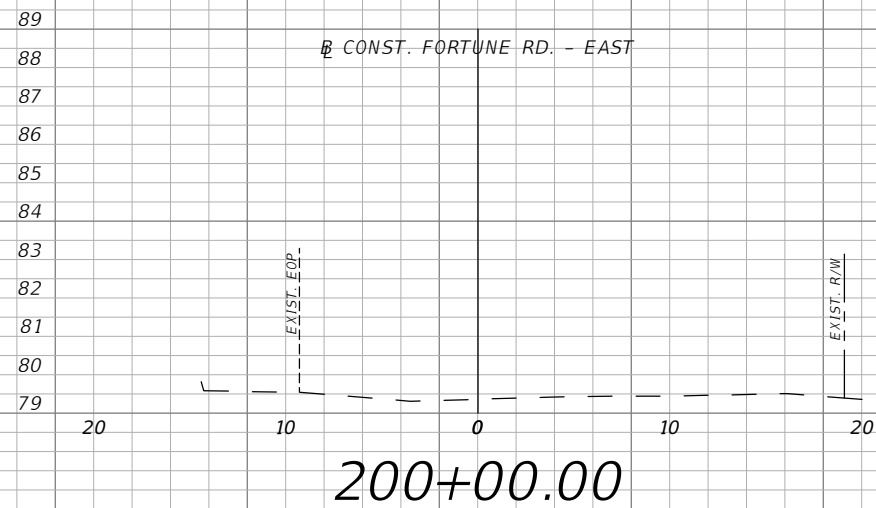
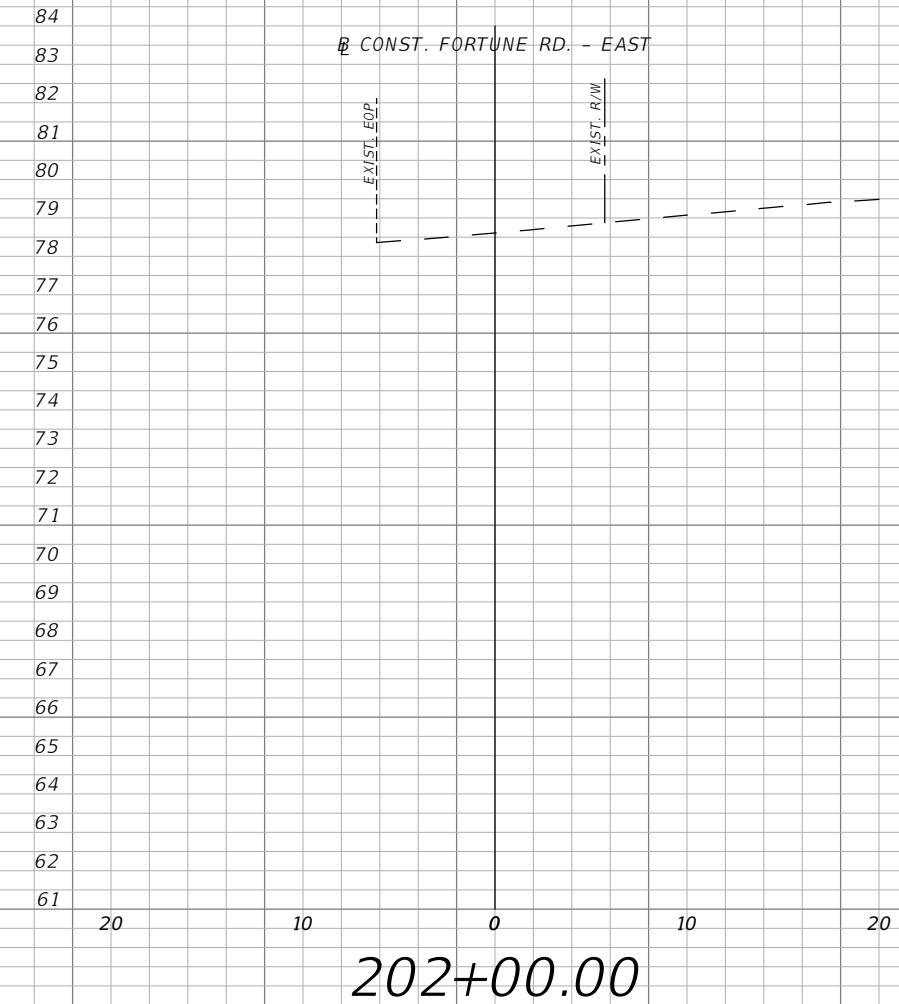
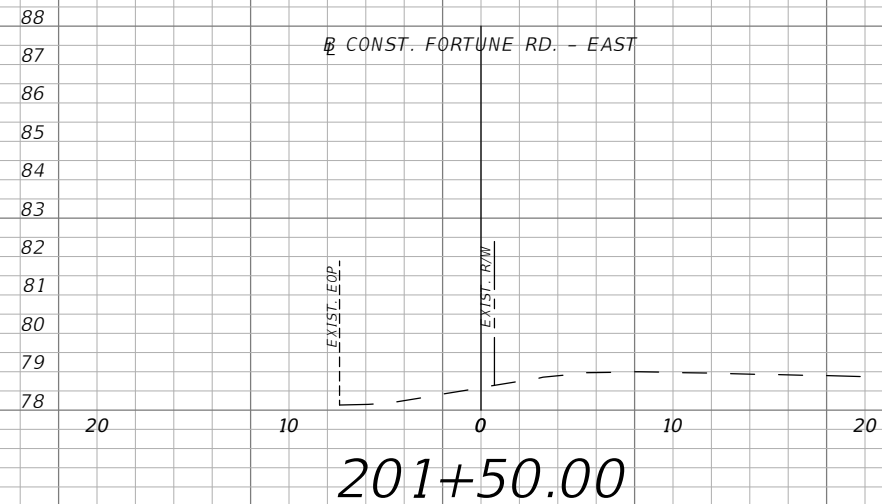
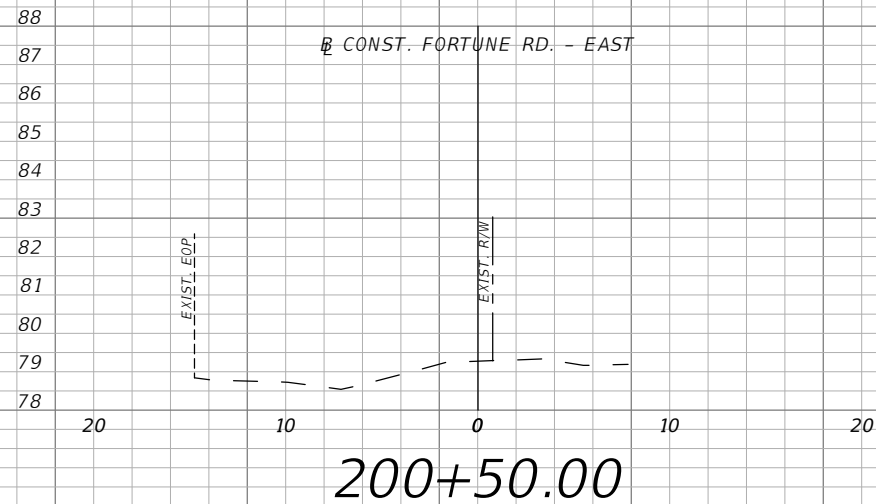


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SHEET
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XS-16

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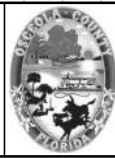


1" = 10' Horizontal
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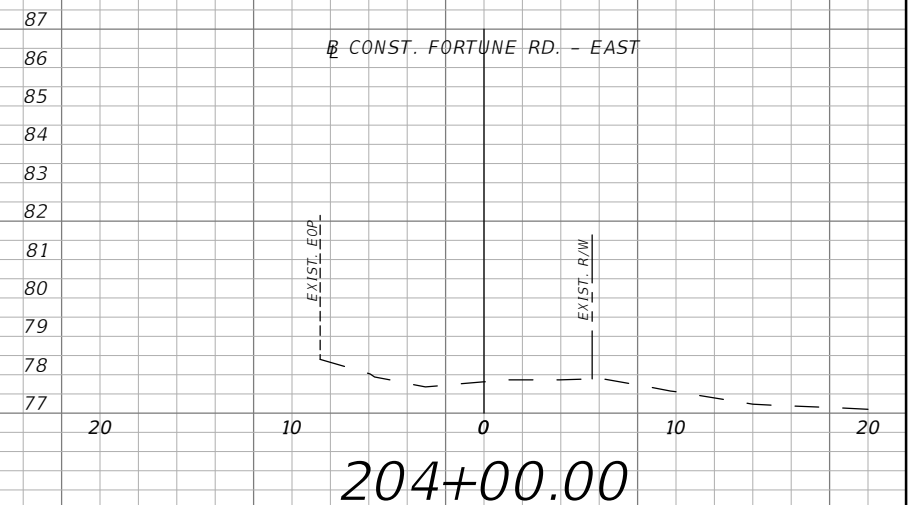
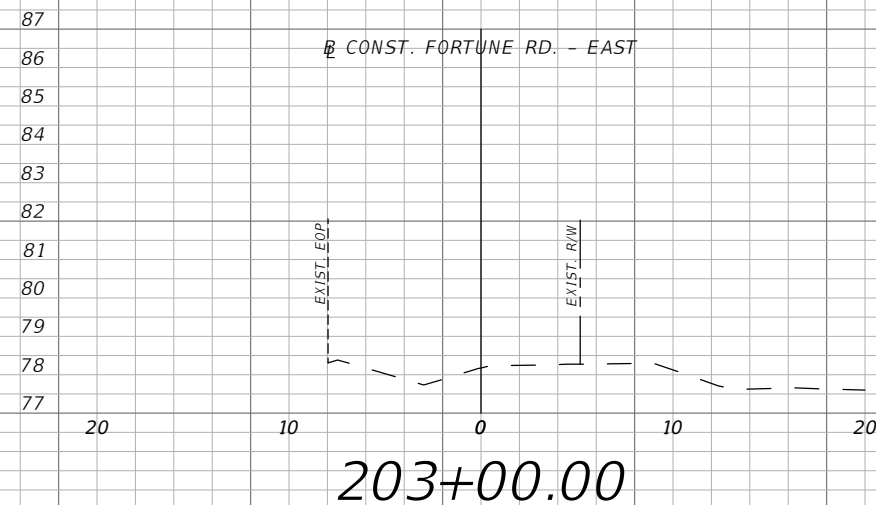
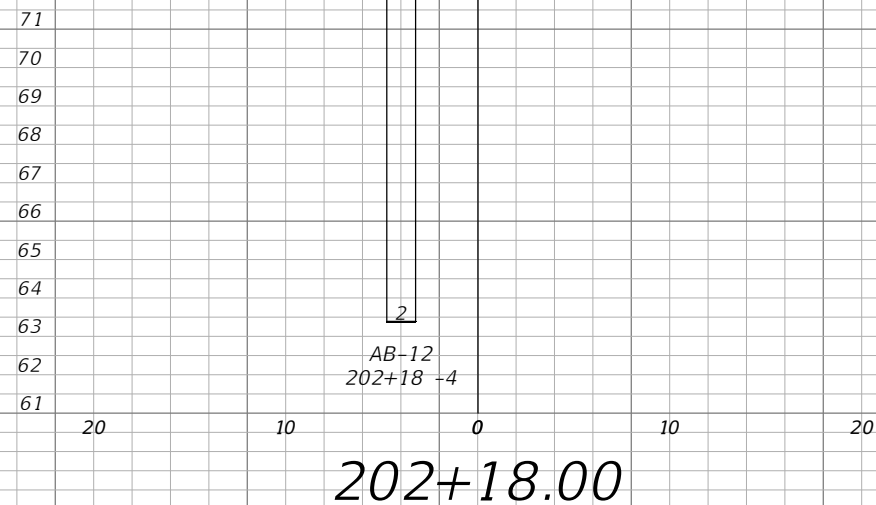
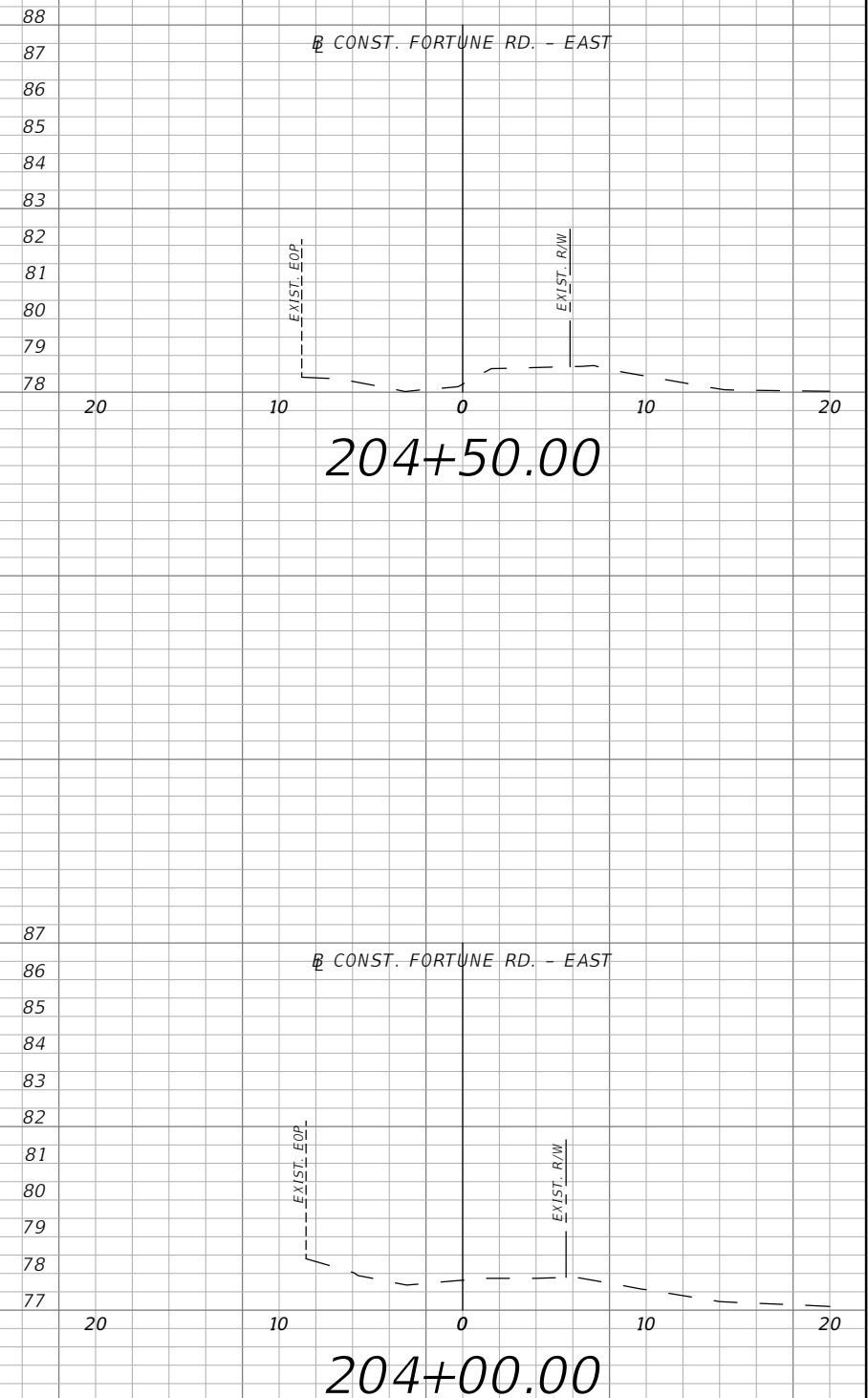
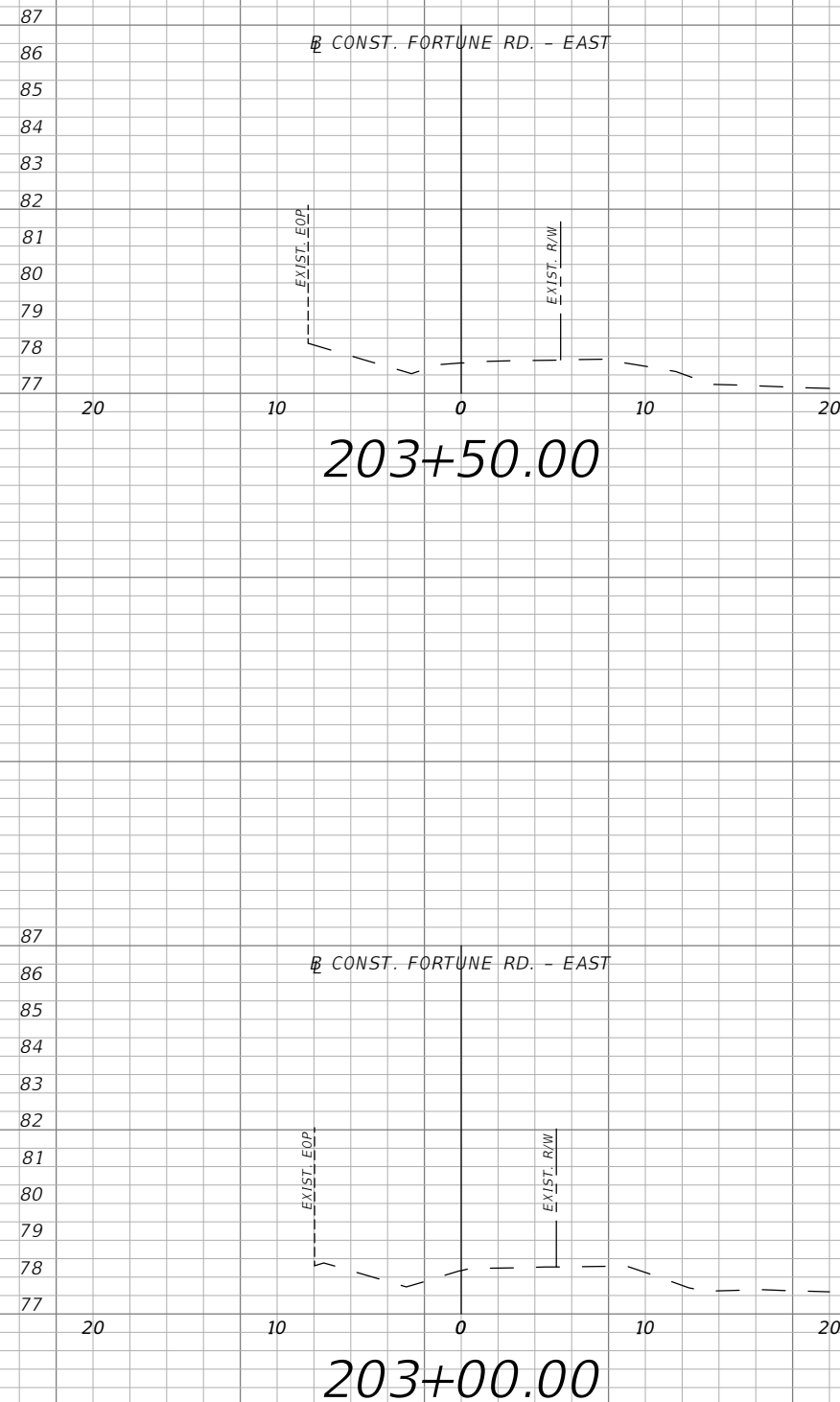
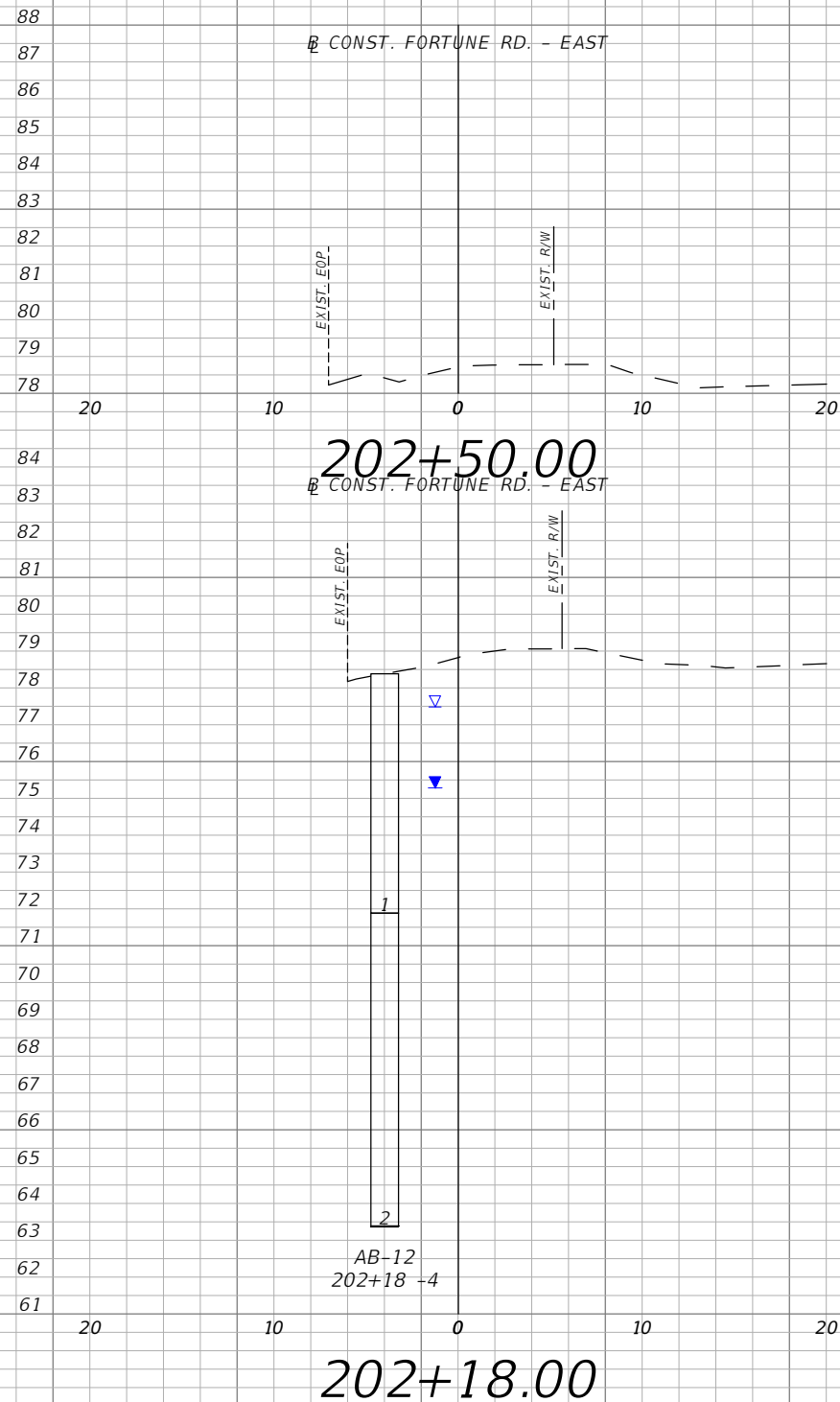


OSCEOLA COUNTY
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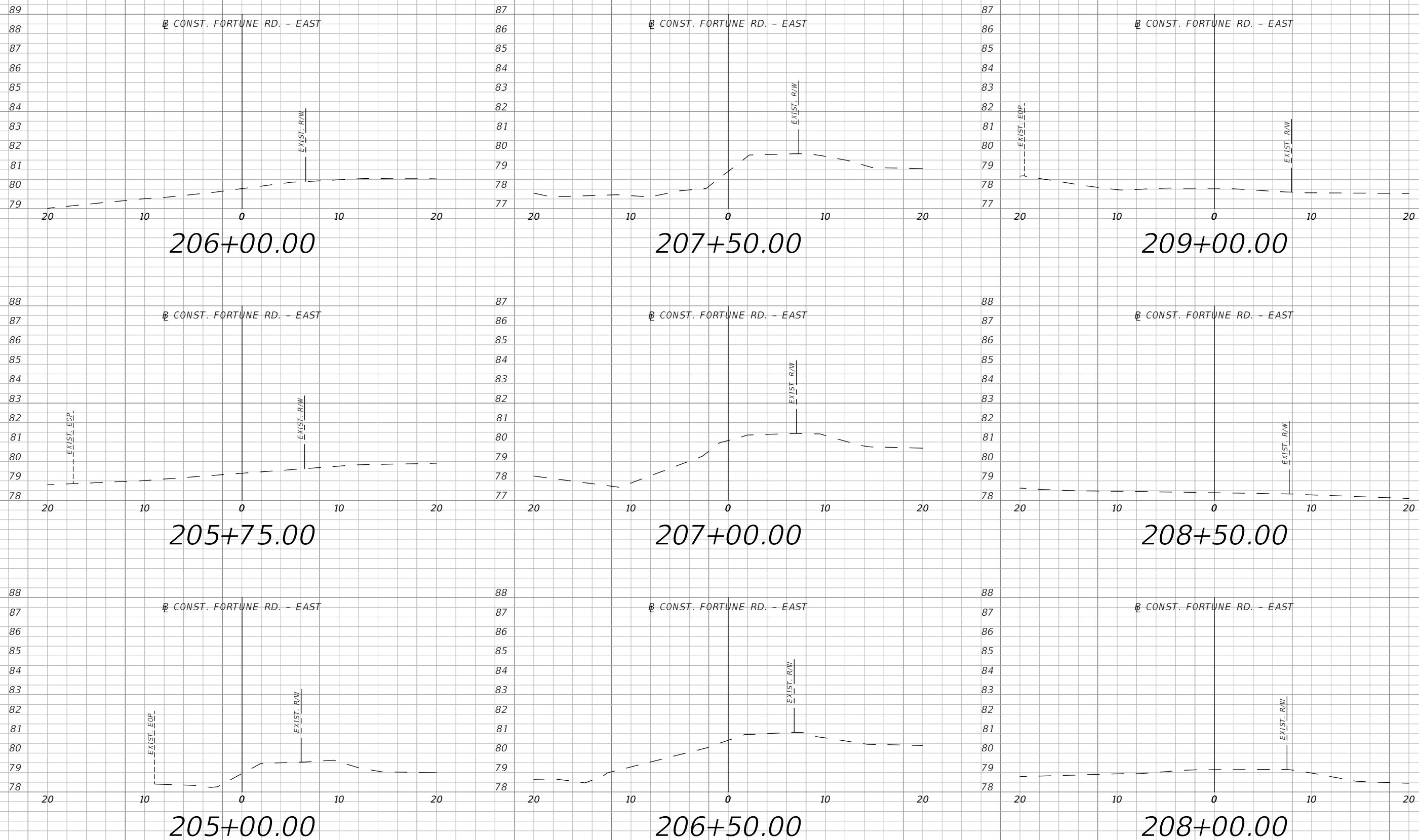


OSCEOLA COUNTY
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FORTUNE RD - EAST
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SHEET NO.
XS-18

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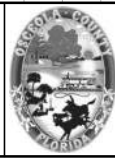


1" = 10' Horizontal
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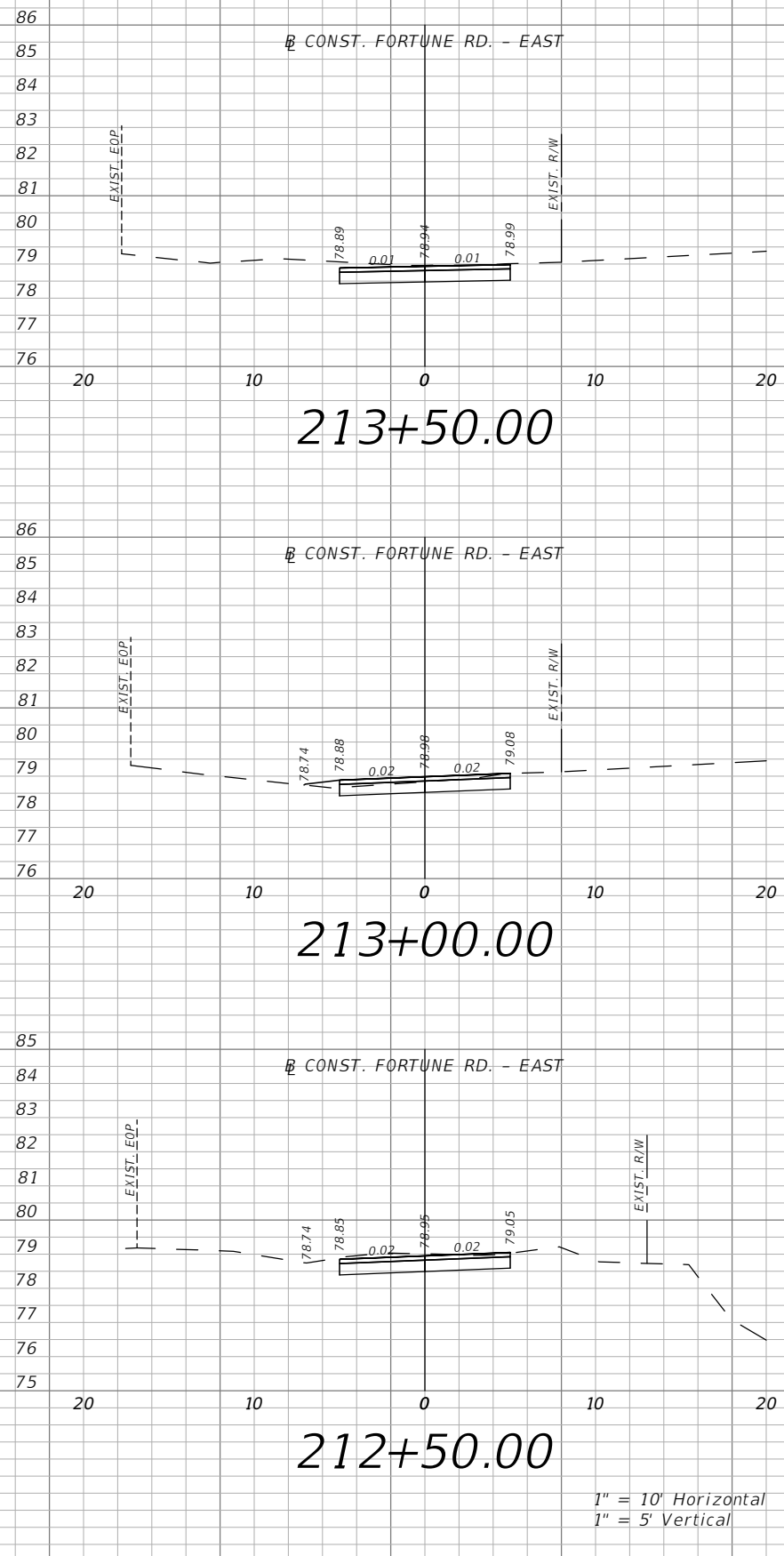
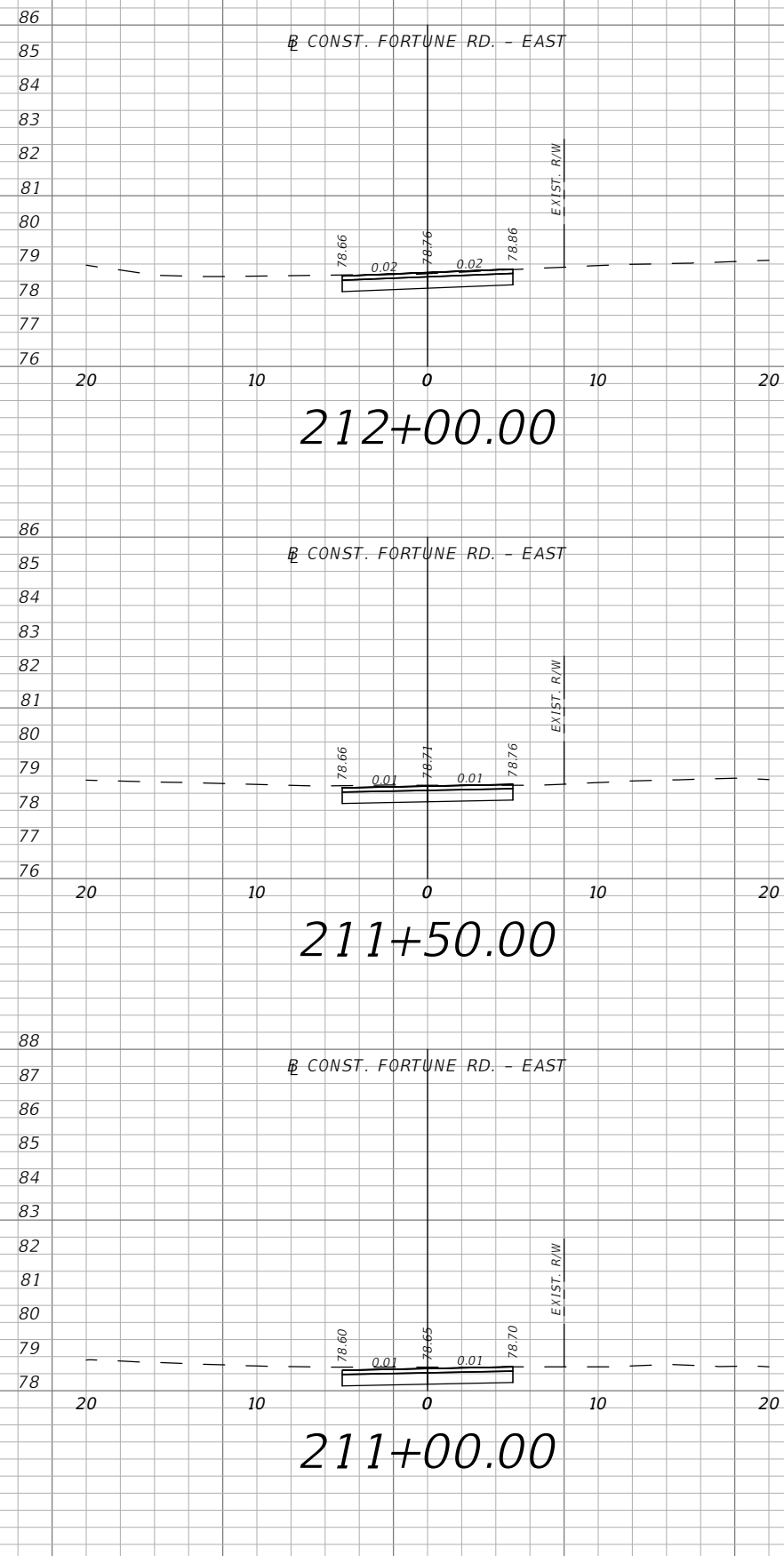
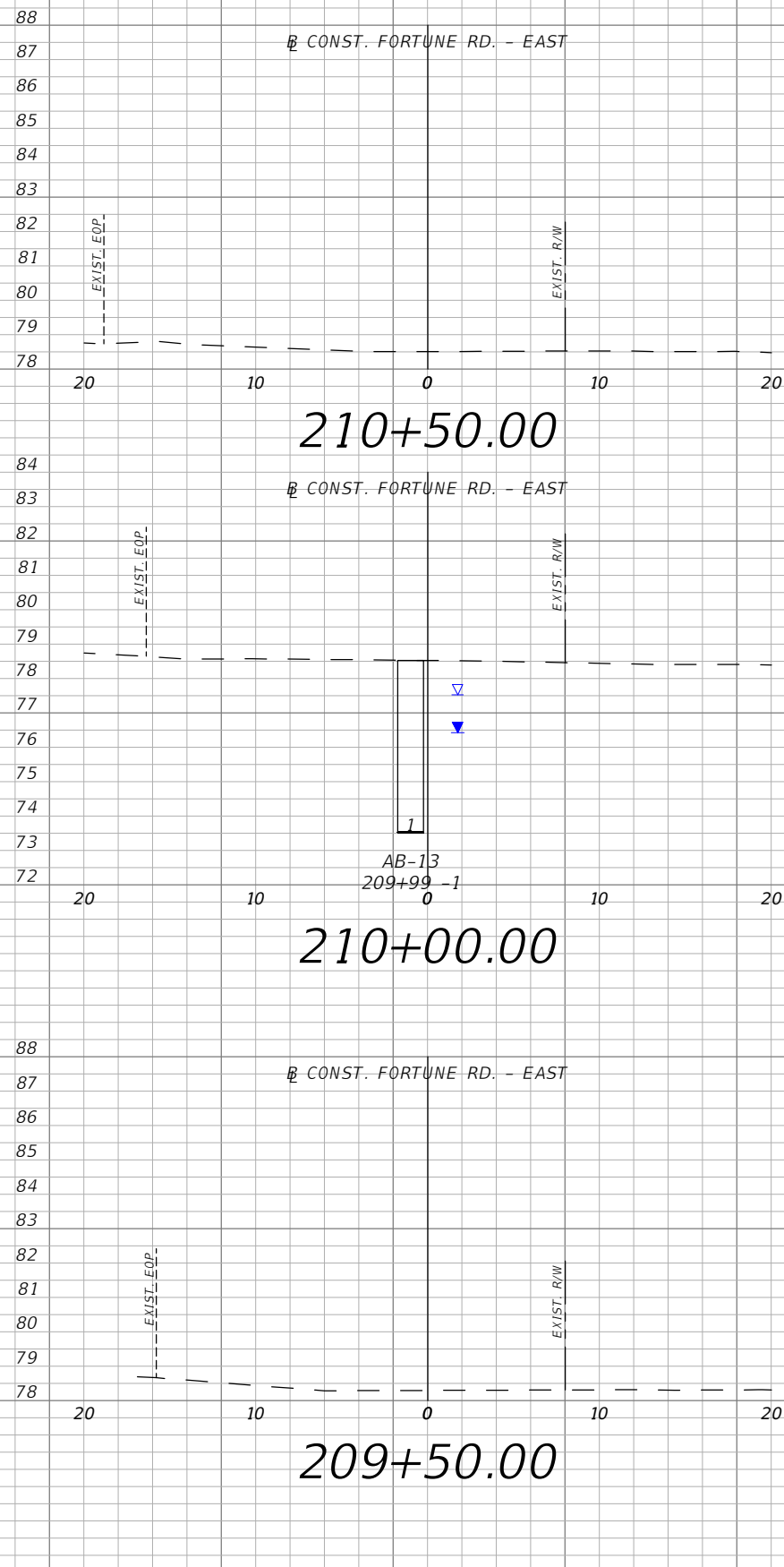


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FORTUNE RD - EAST
CROSS SECTIONS 03

SHEET
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XS-19

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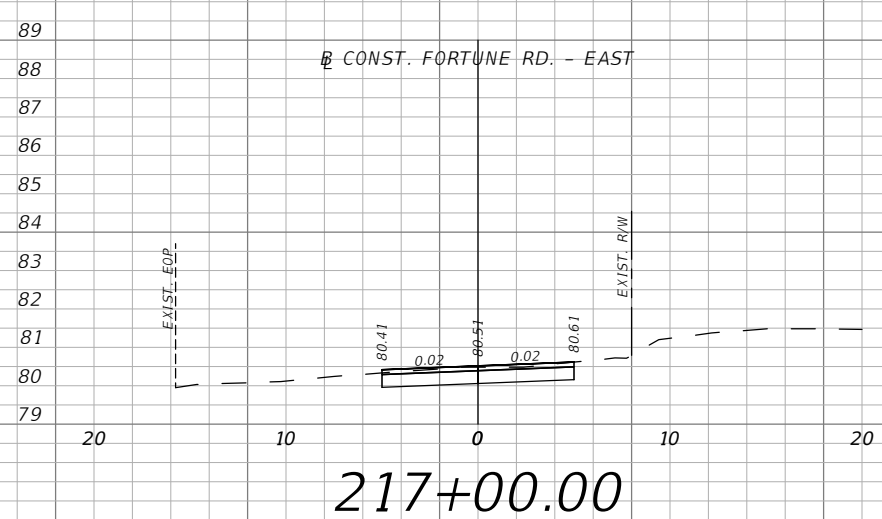
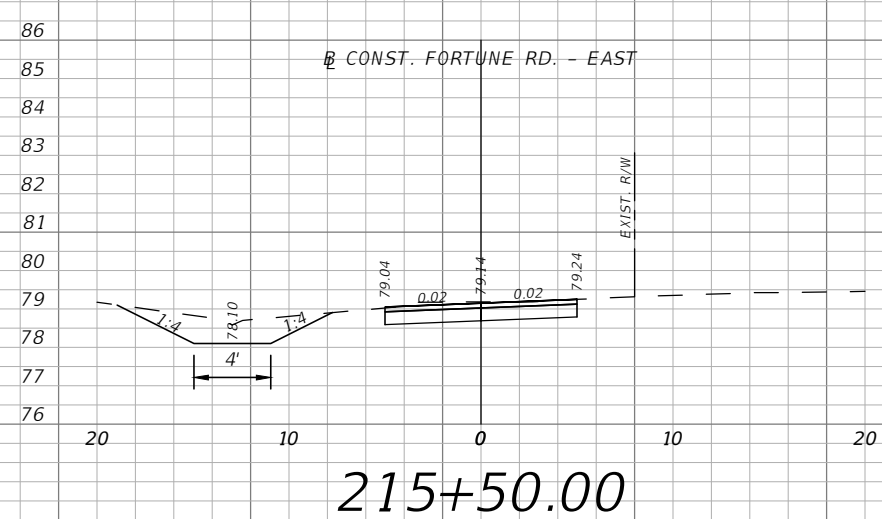
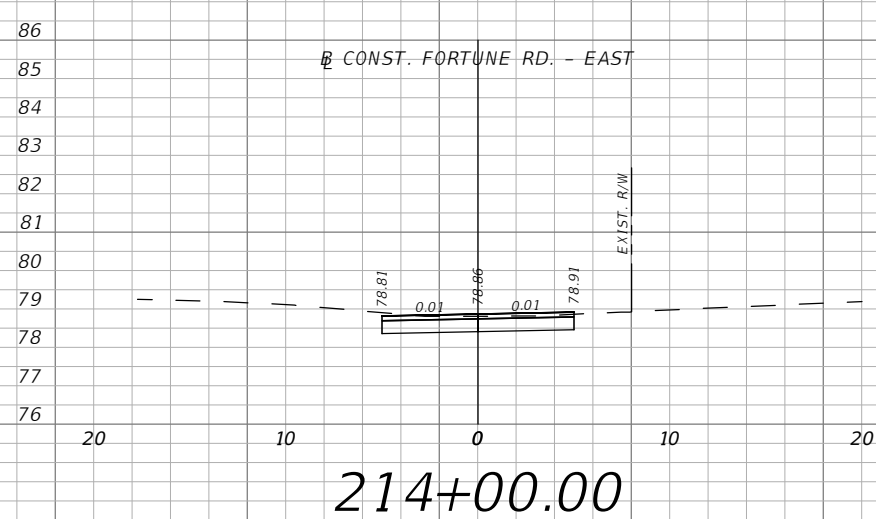
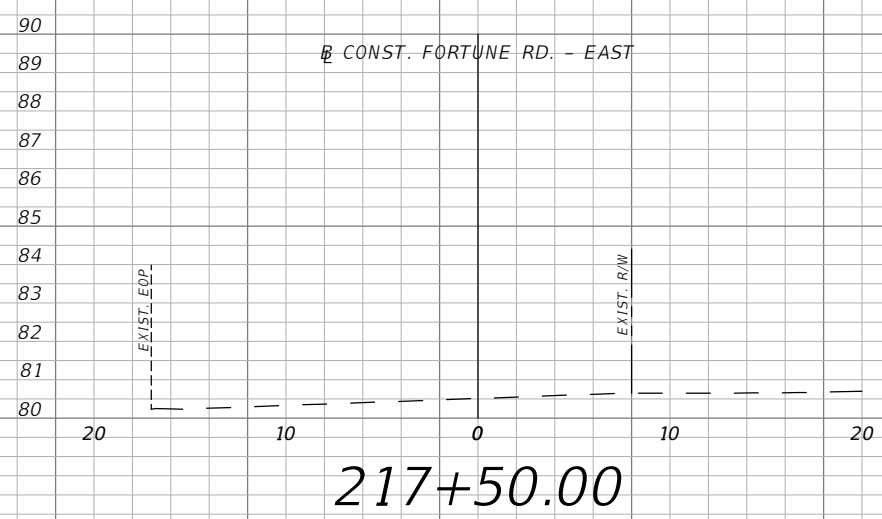
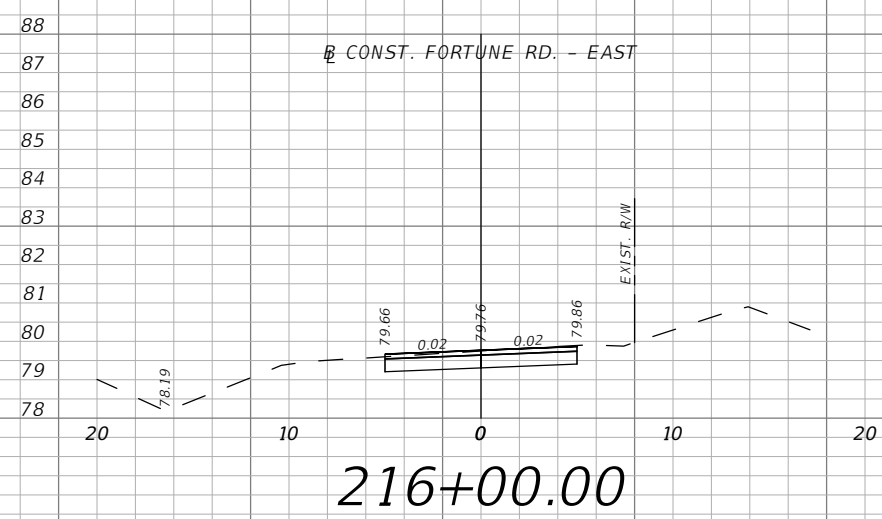
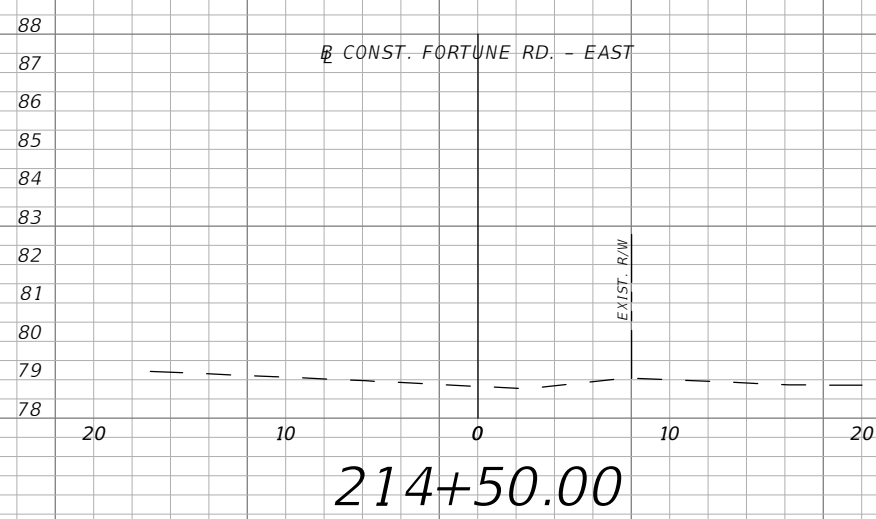
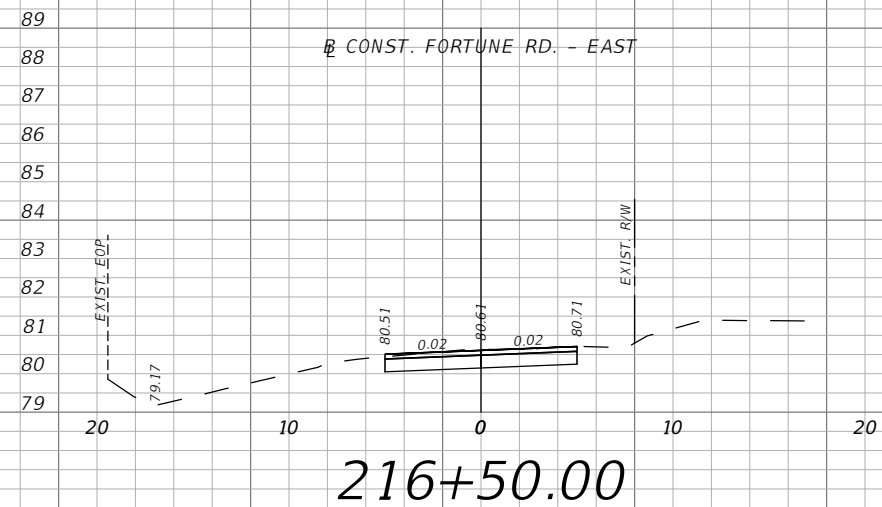
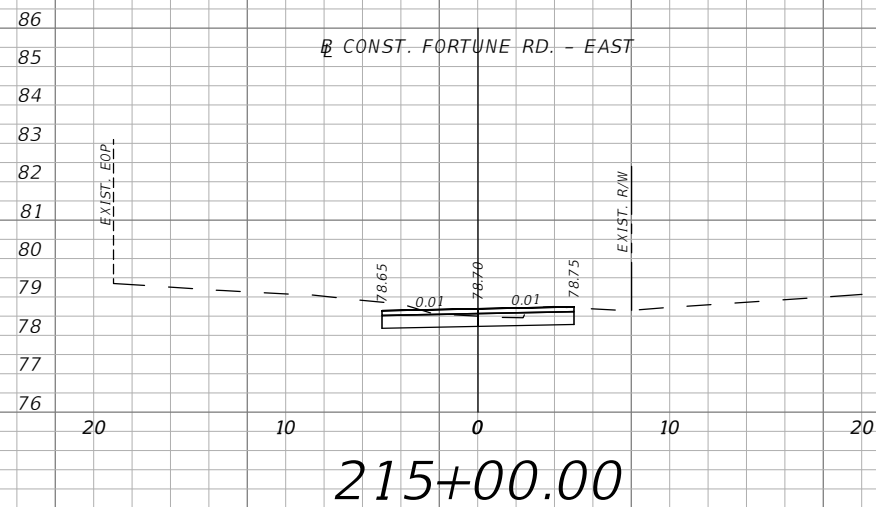


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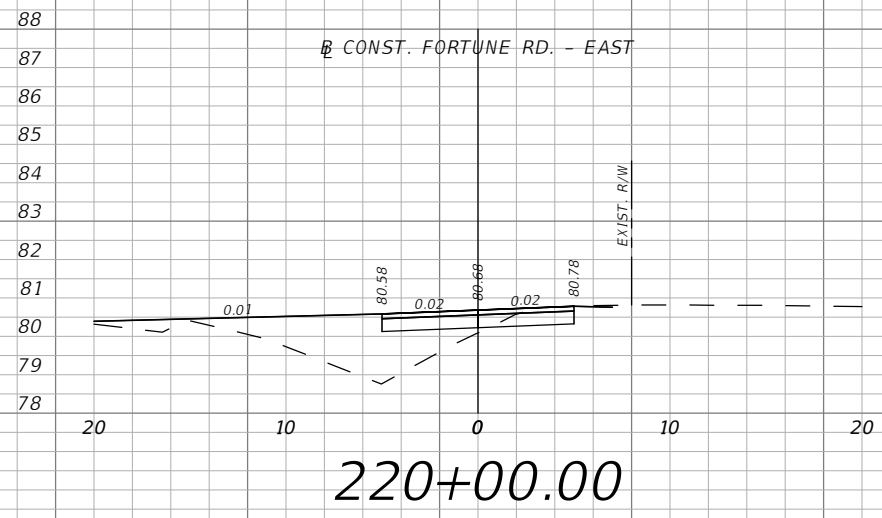
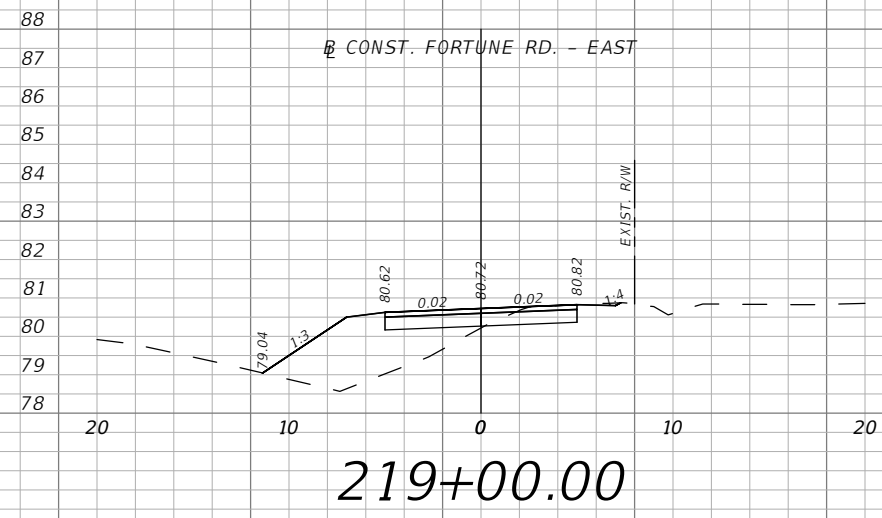
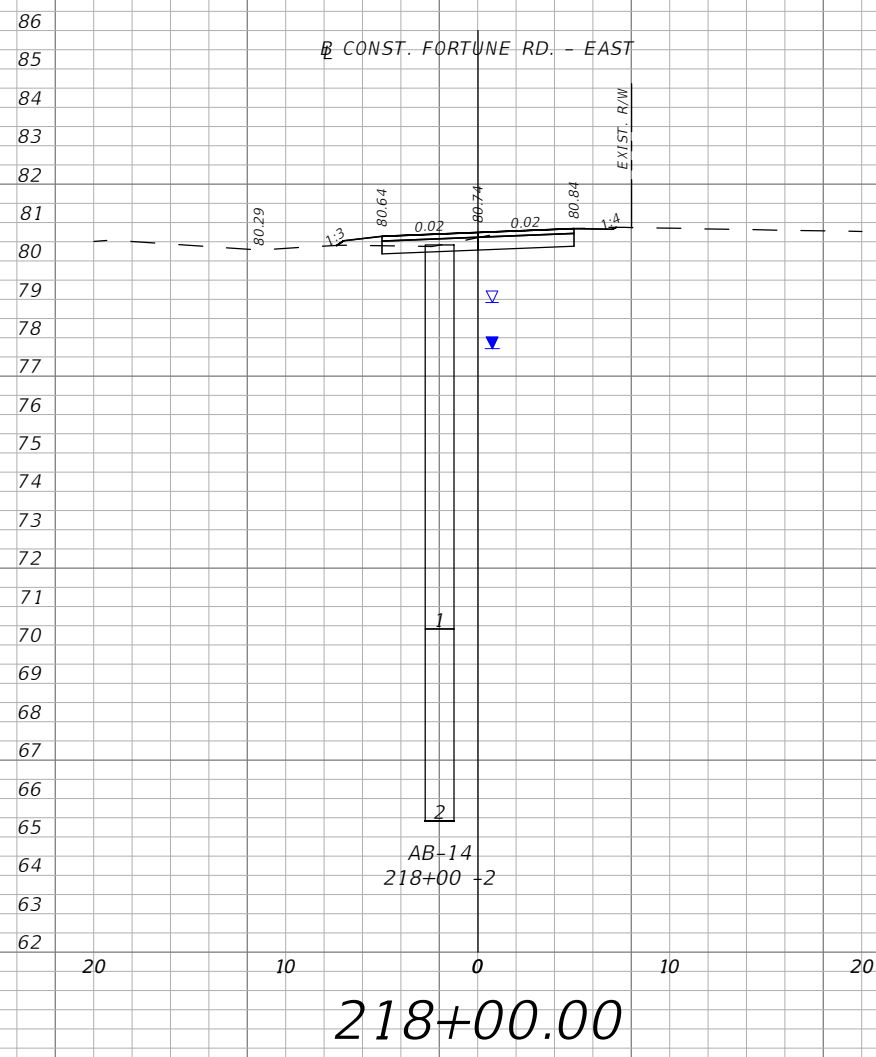
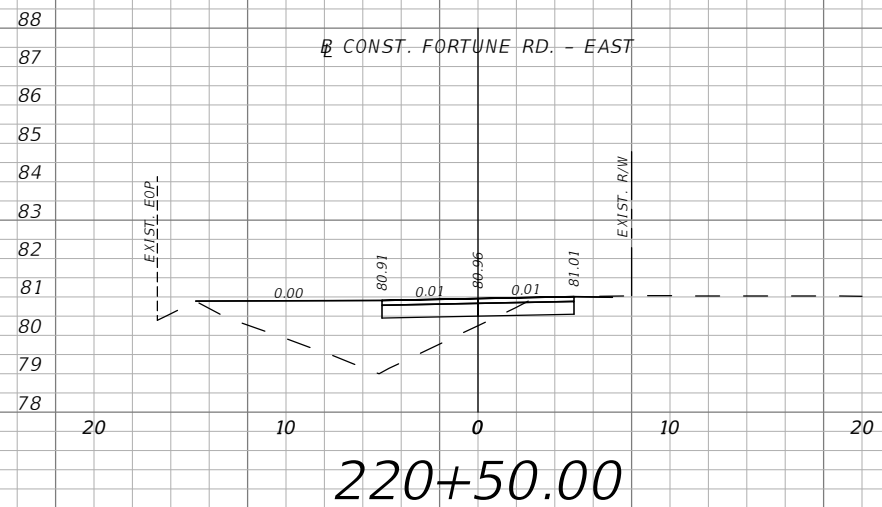
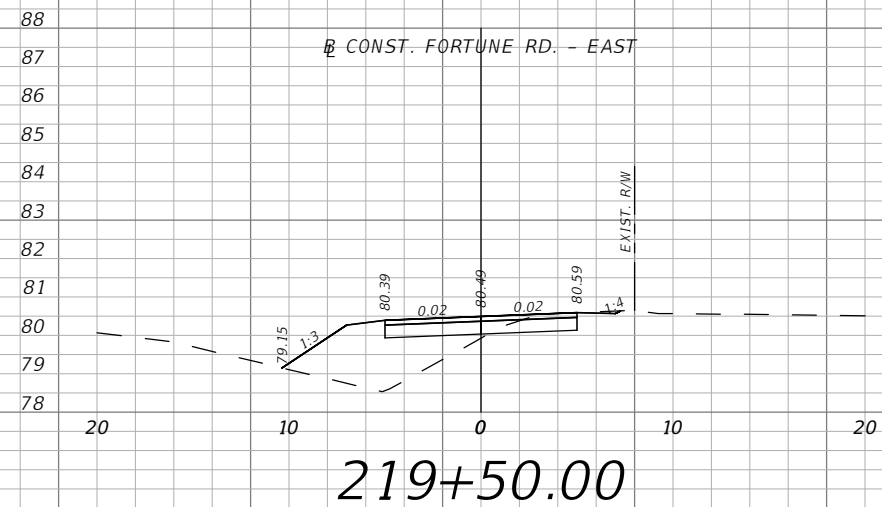
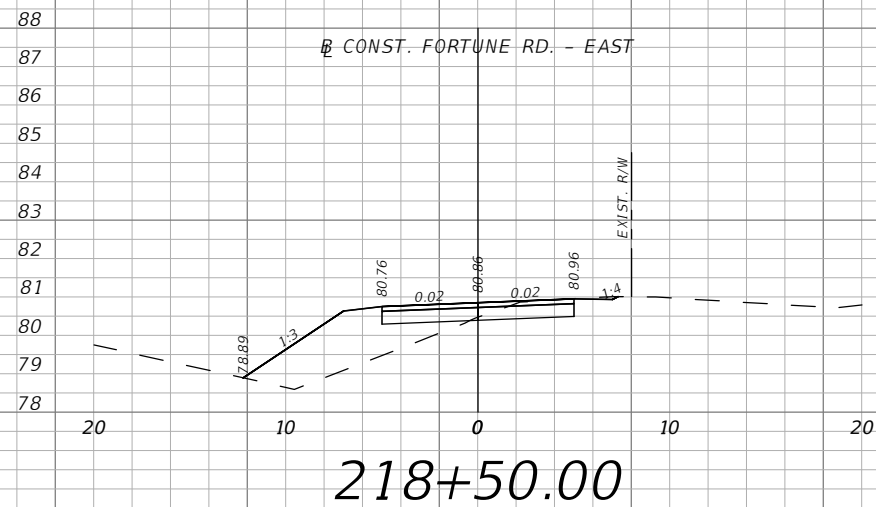


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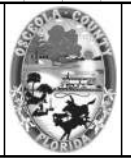


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1" = 5' Vertical

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PE # 63437

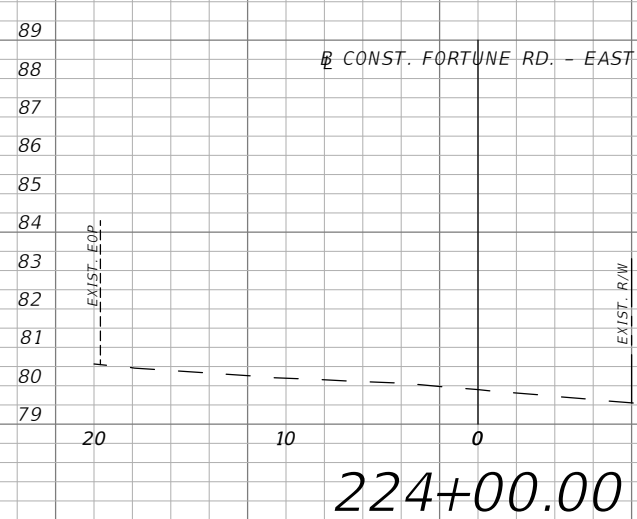
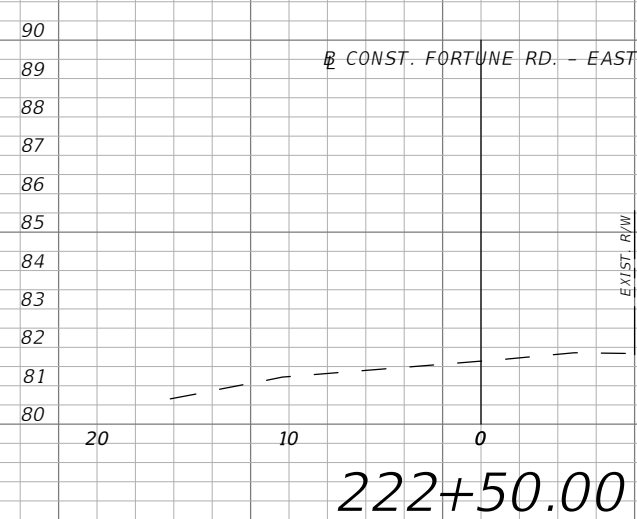
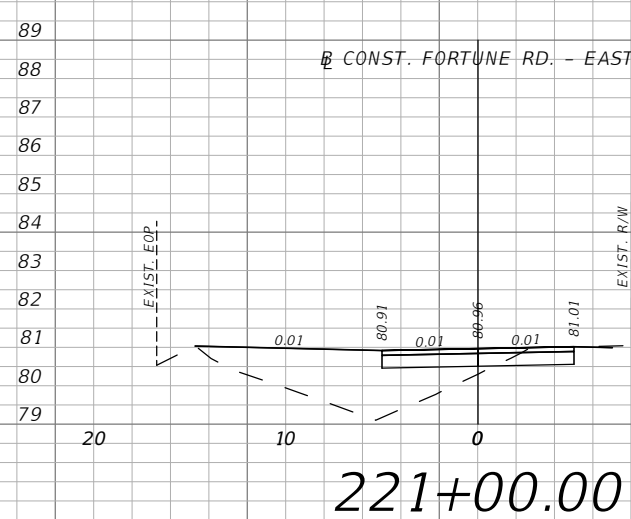
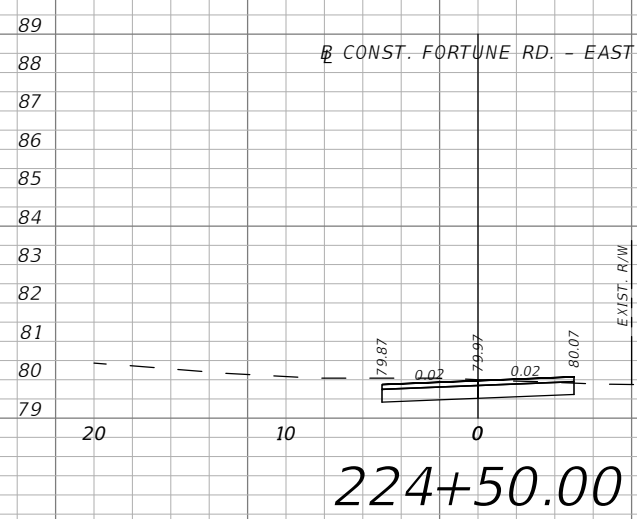
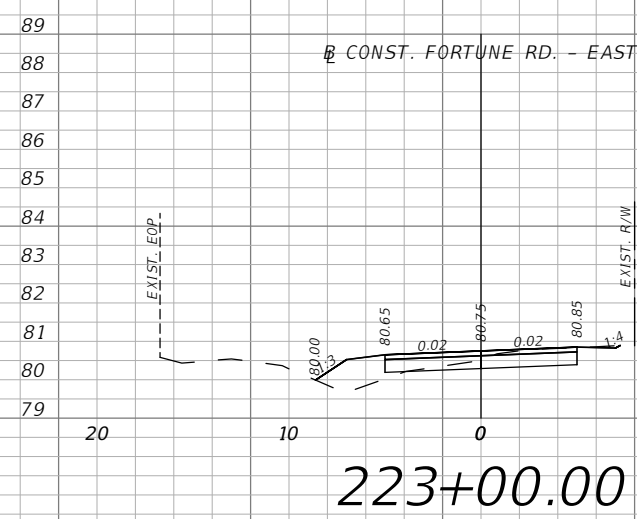
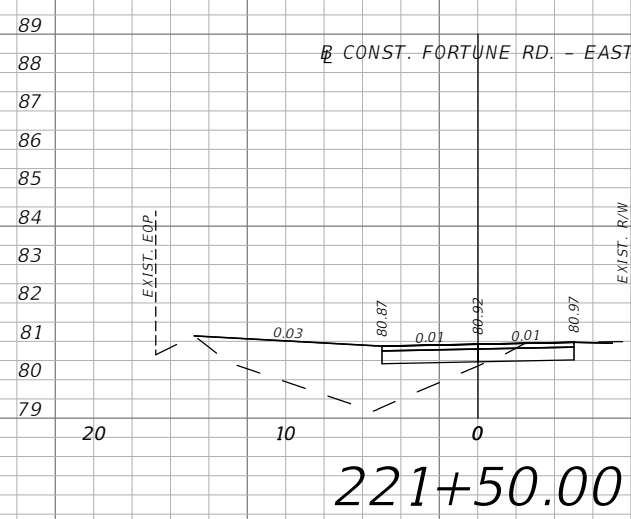
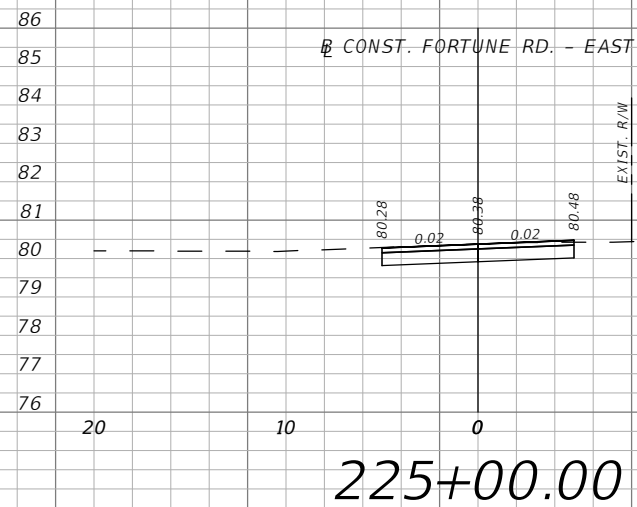
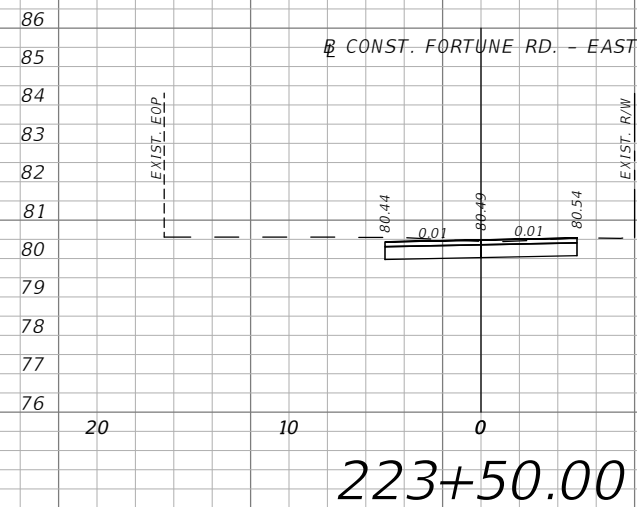
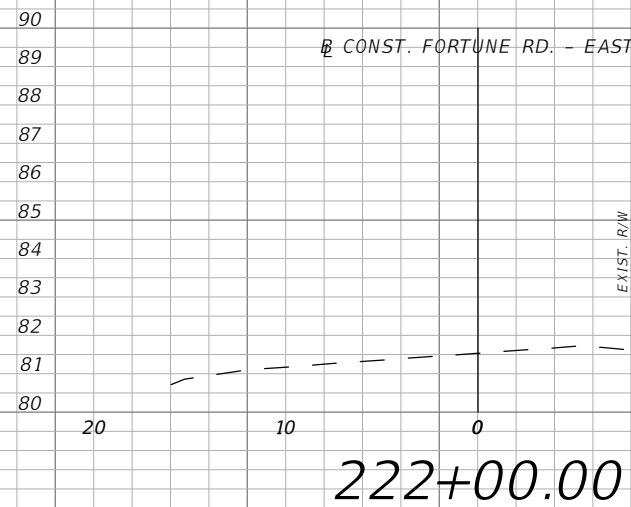


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FORTUNE RD - EAST
CROSS SECTIONS 06

SHEET
NO.
XS-22

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

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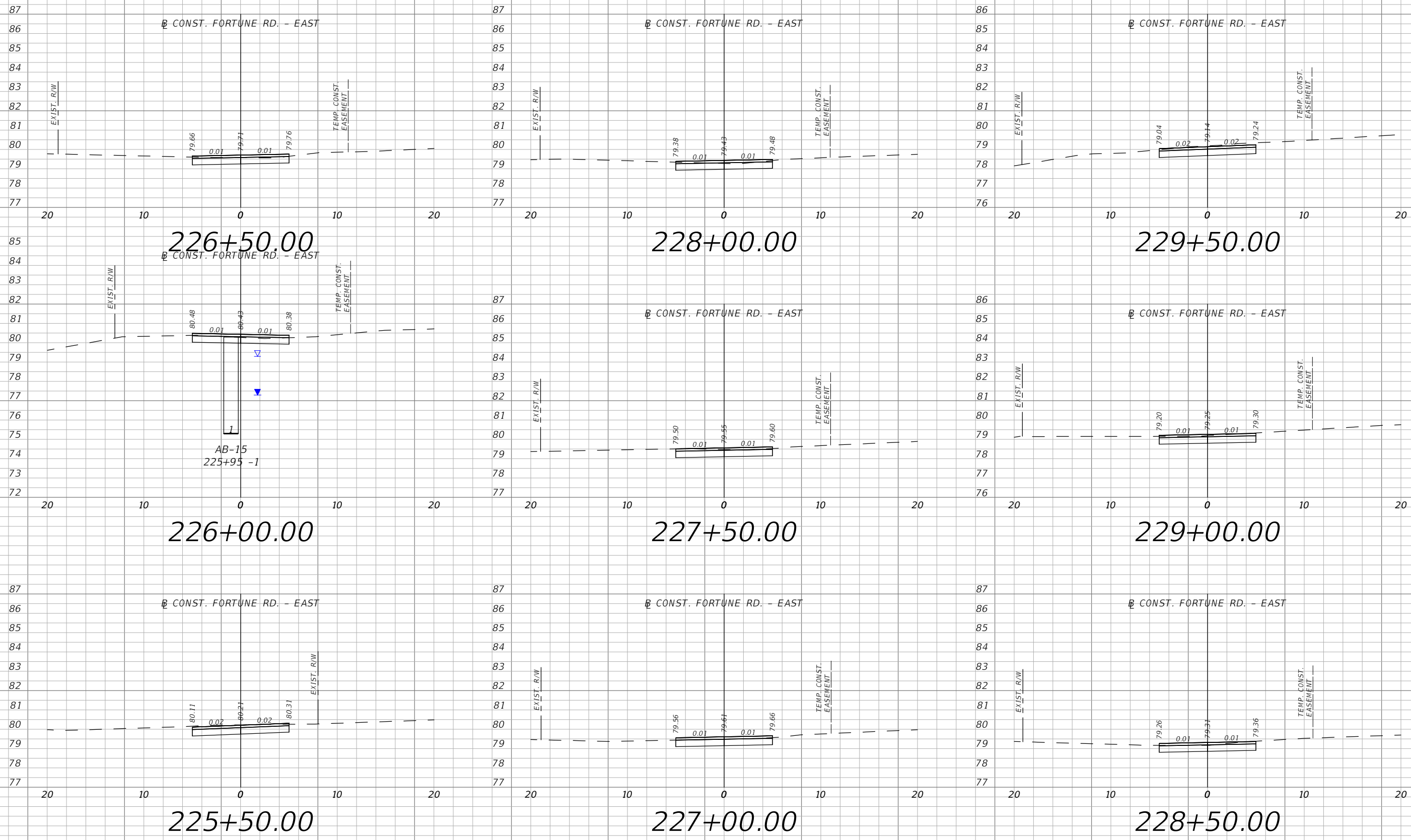


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FORTUNE RD - EAST
CROSS SECTIONS 07

SHEET
NO.
XS-23

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1" = 5' Vertical

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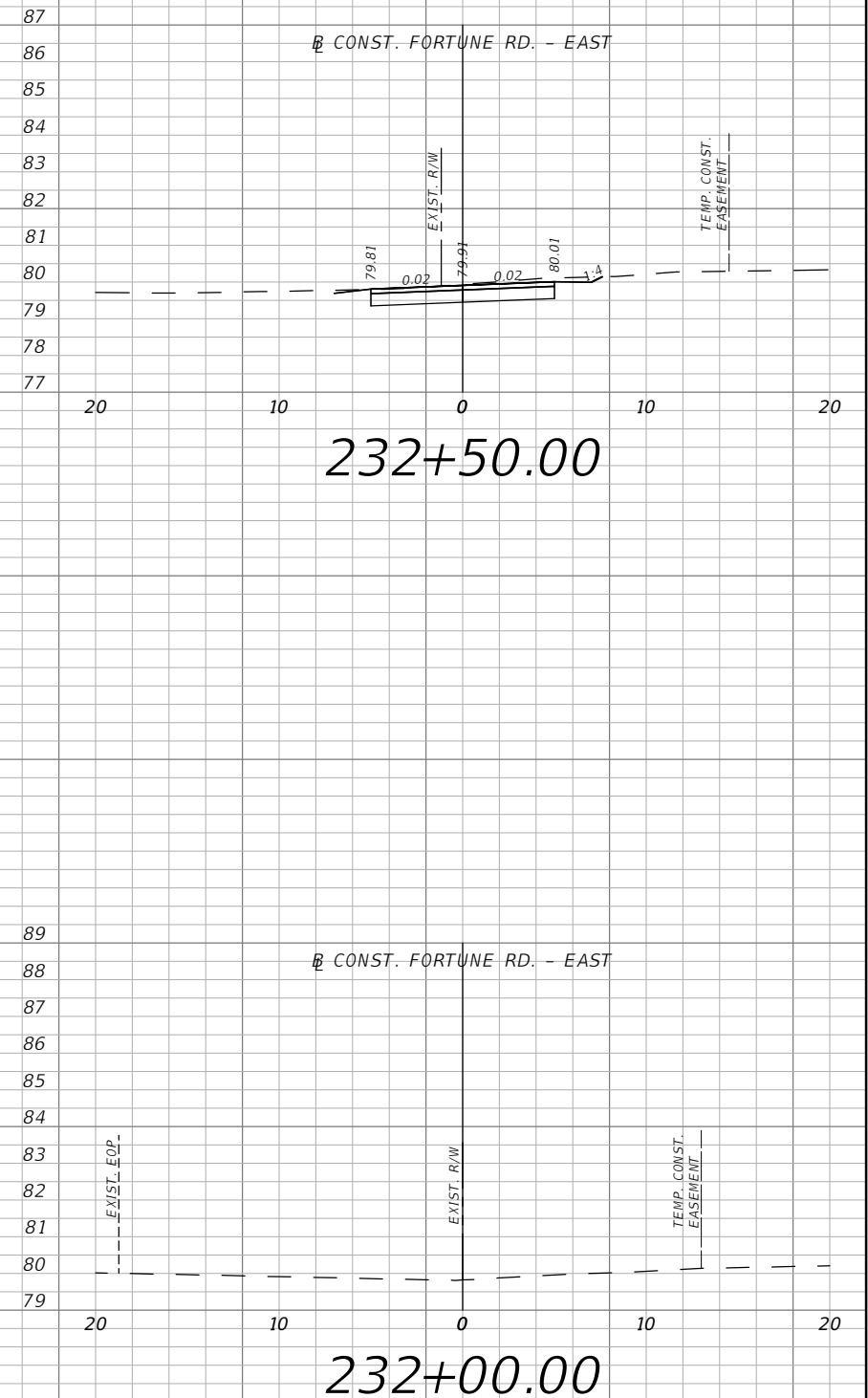
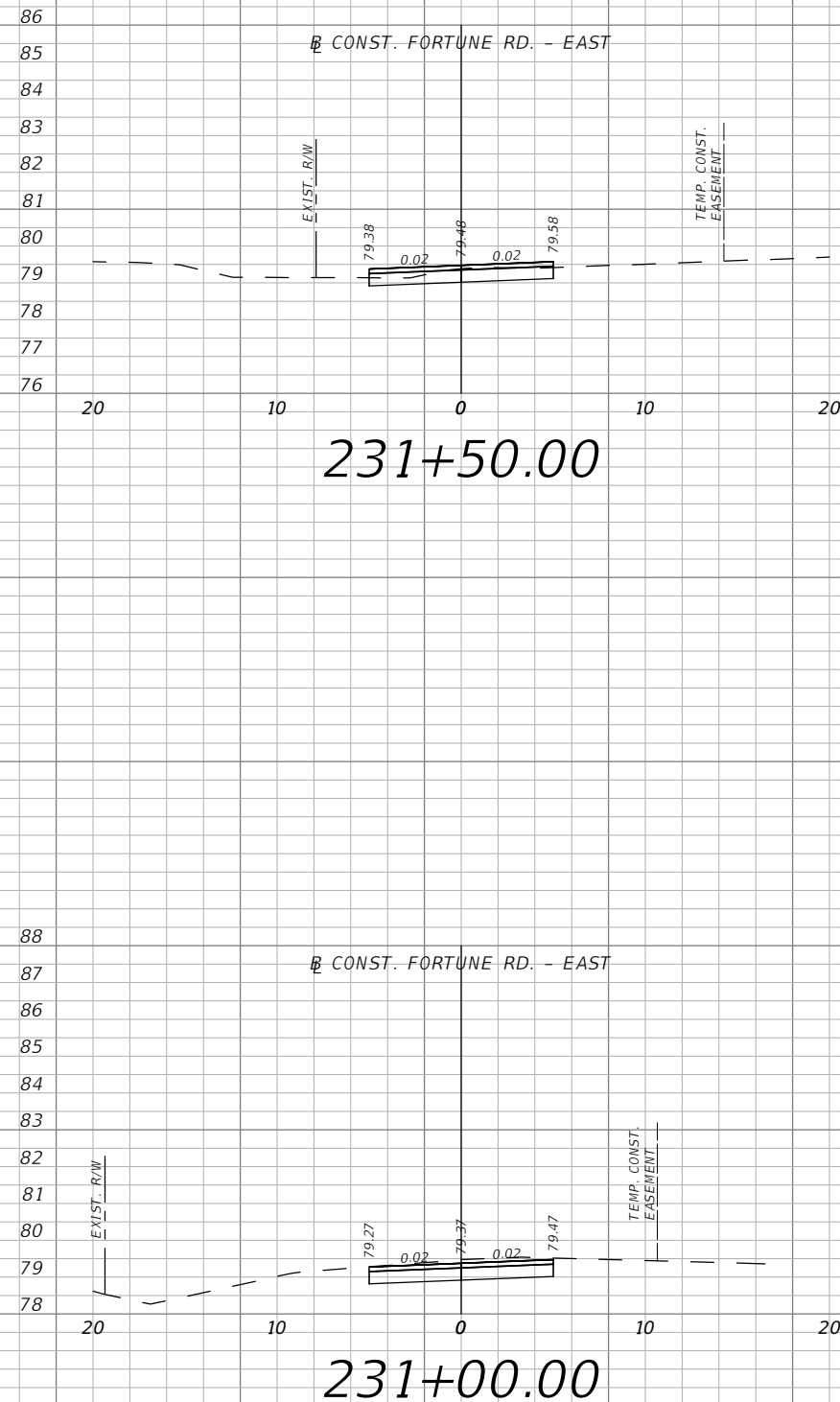
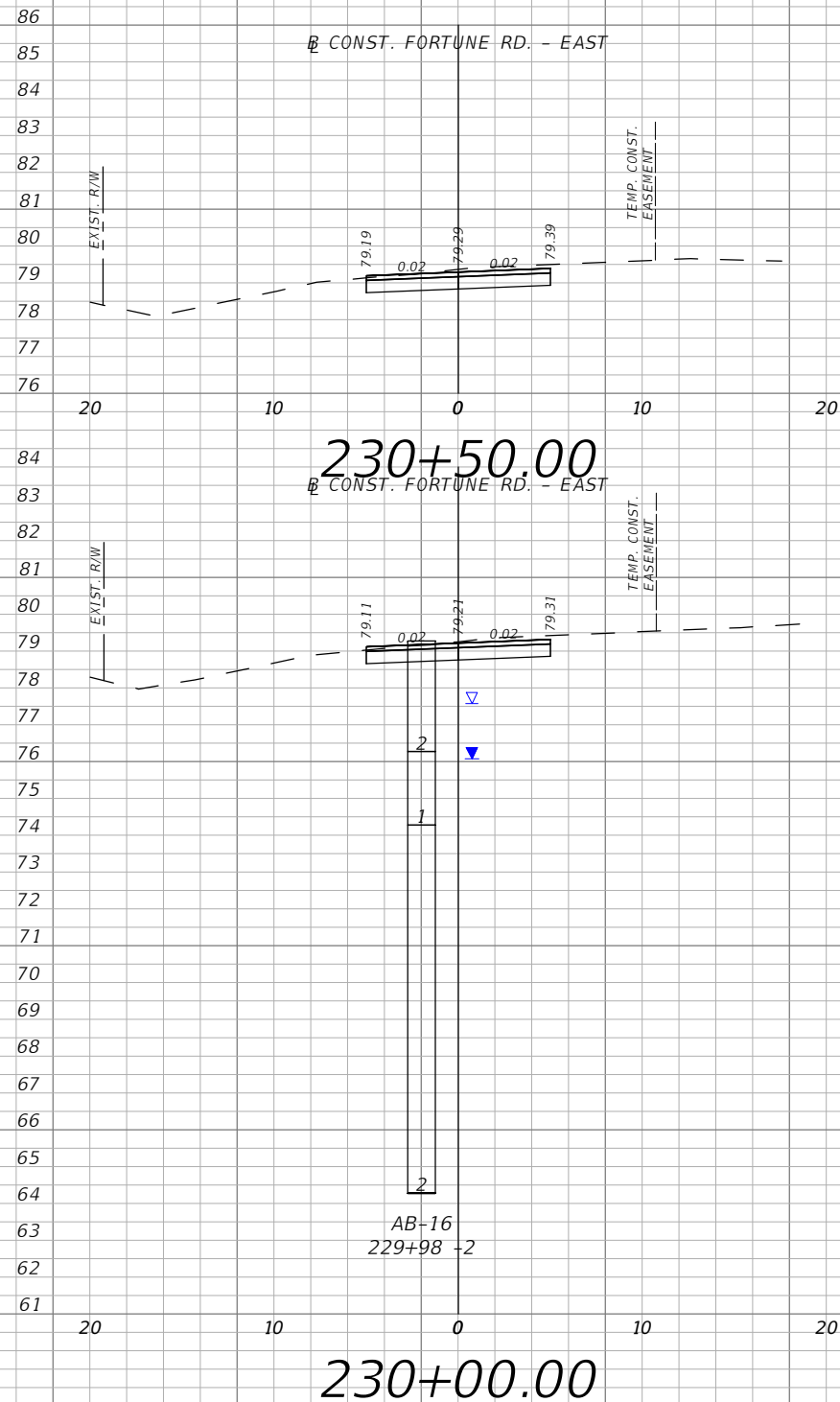


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FORTUNE RD - EAST
CROSS SECTIONS 08

SHEET
NO.
XS-24

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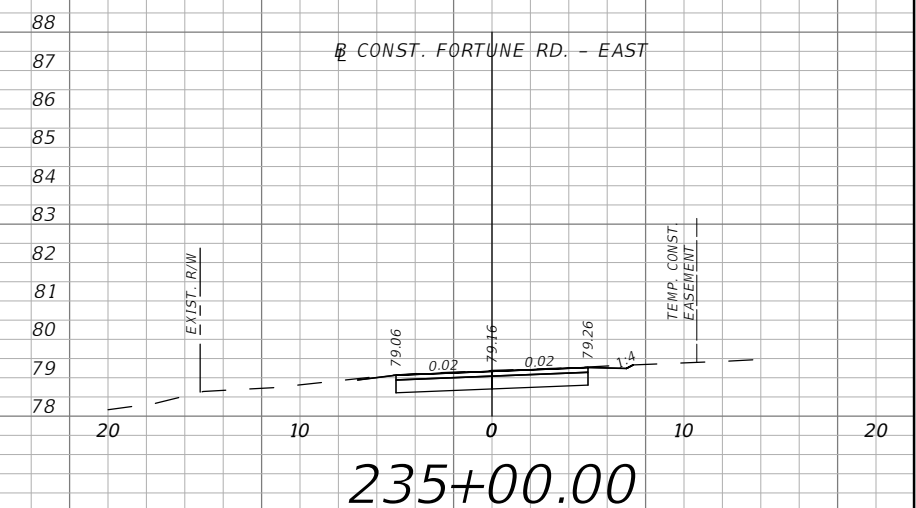
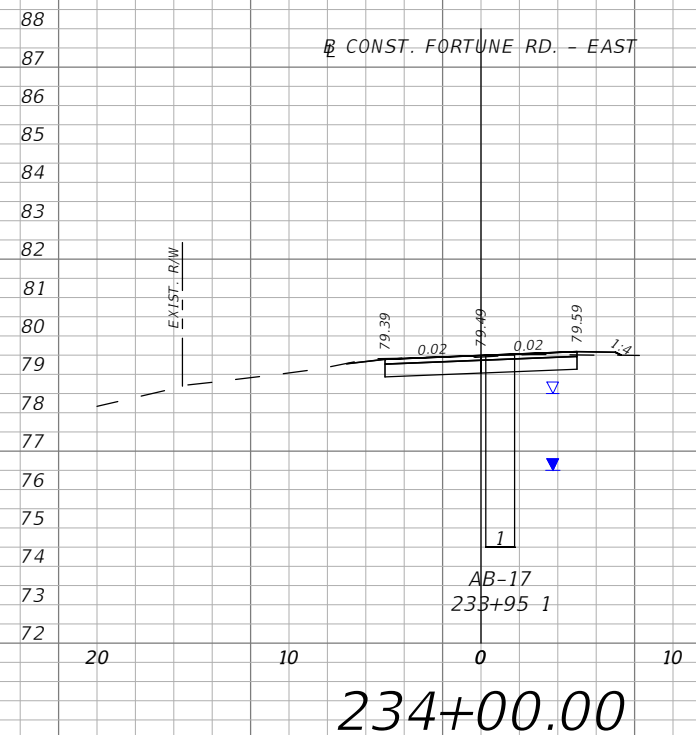
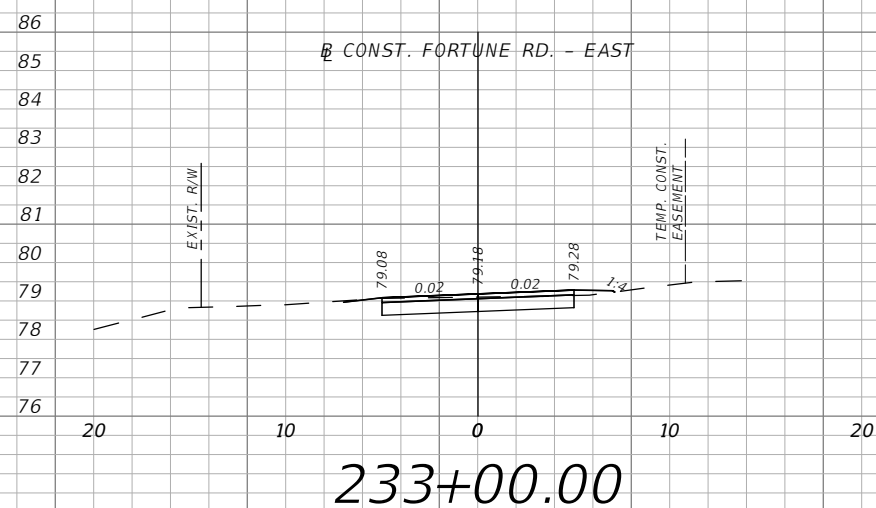
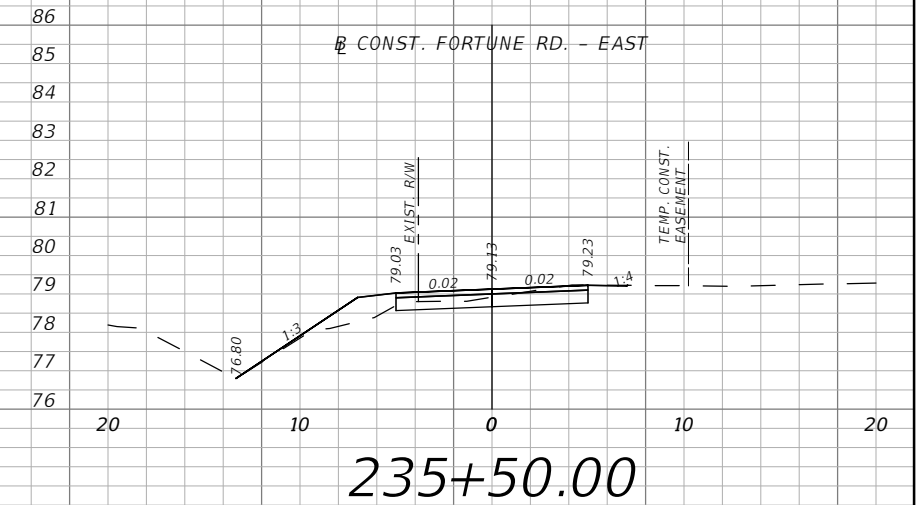
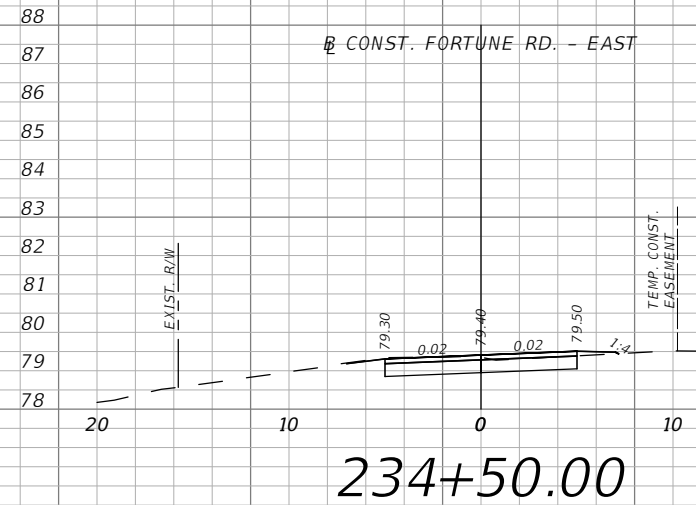
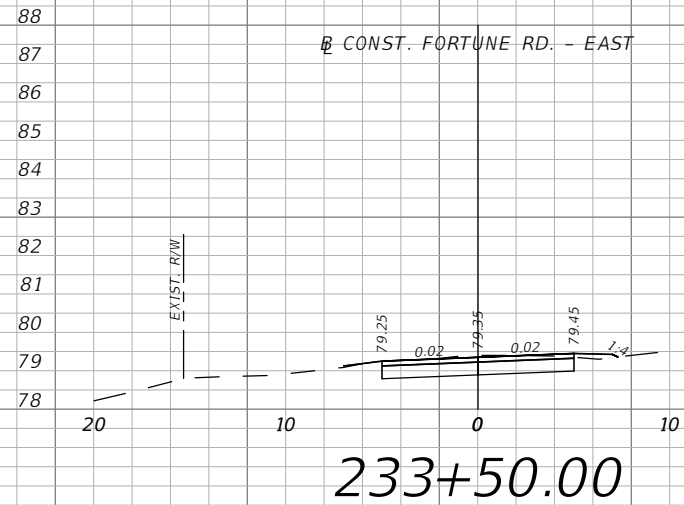


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CROSS SECTIONS 09

SHEET
NO.
XS-25

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1" = 5' Vertical

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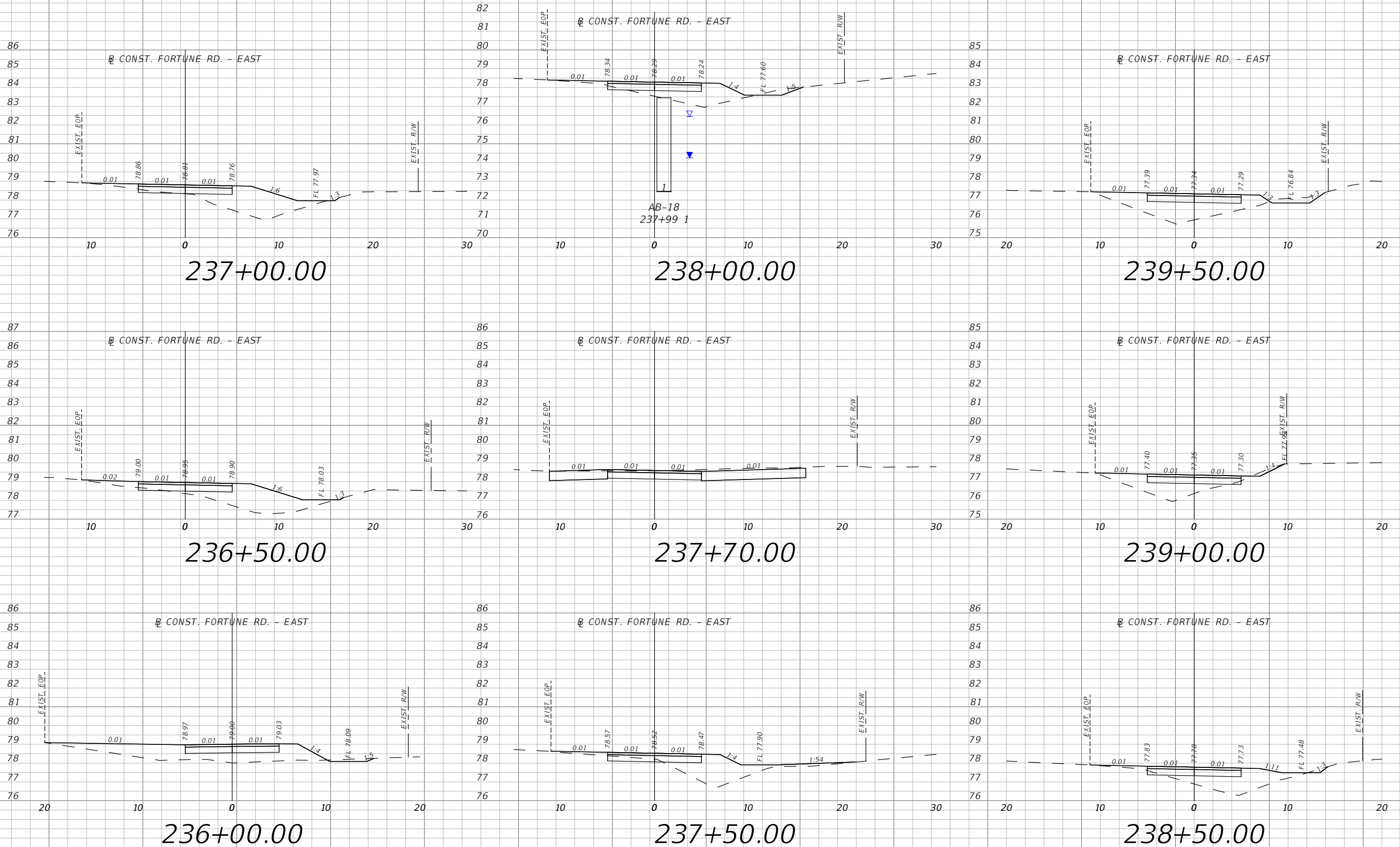


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CROSS SECTIONS 10

SHEET
NO.
XS-26

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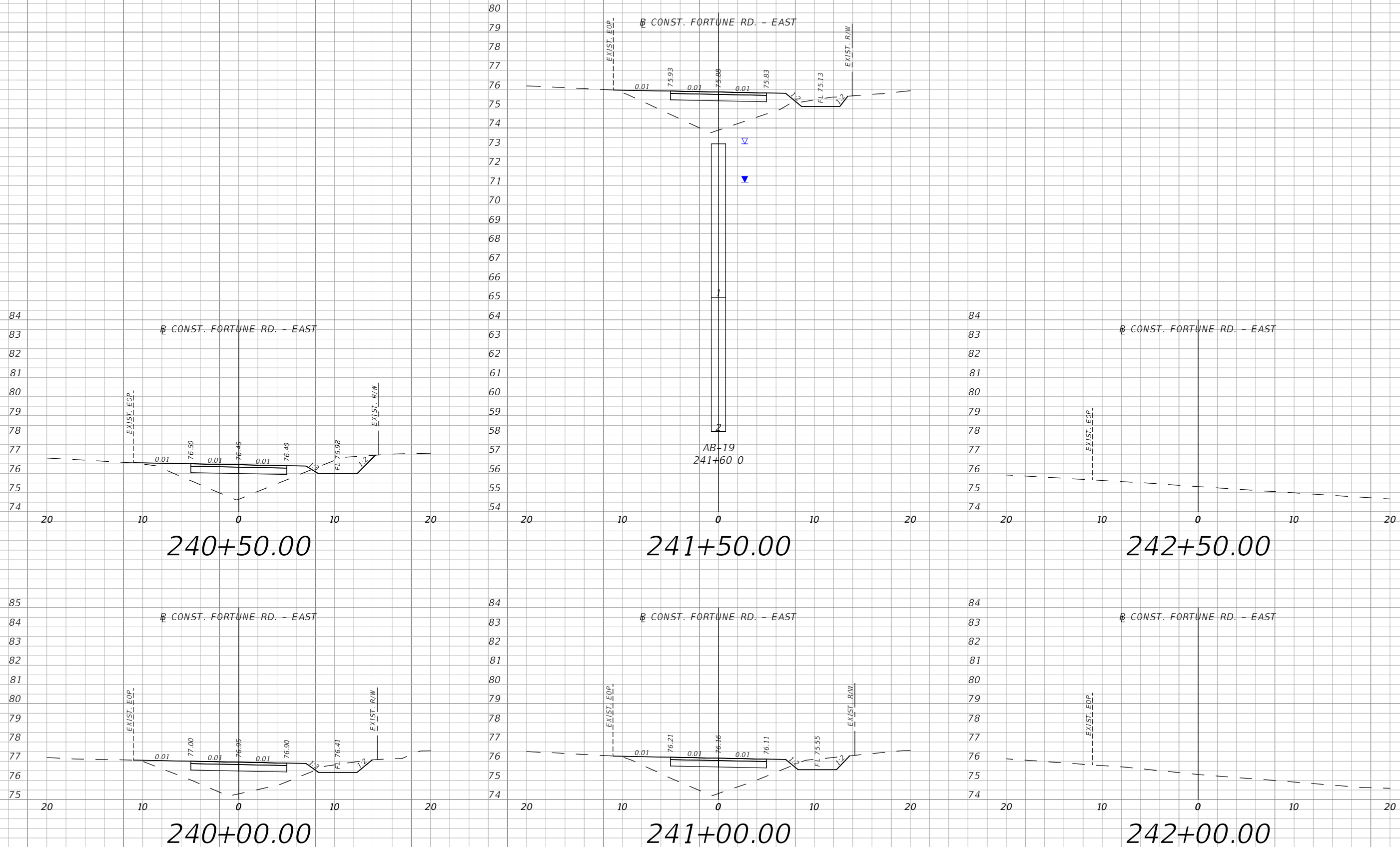


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FORTUNE RD - EAST
CROSS SECTIONS 11

SHEET
NO.
XS-27

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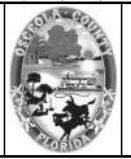


1" = 10' Horizontal
1" = 5' Vertical

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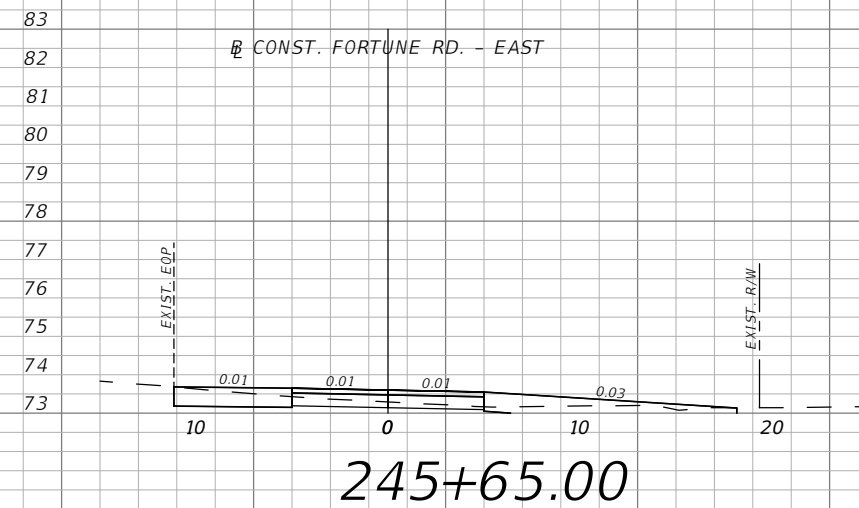
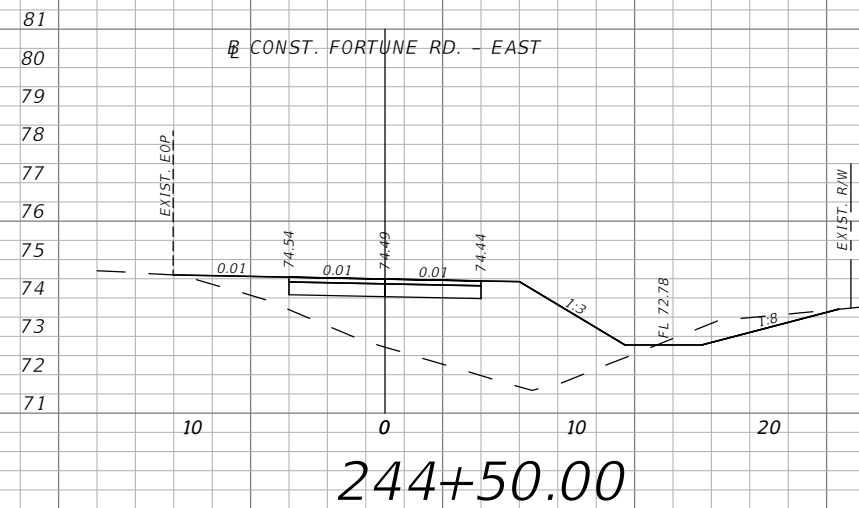
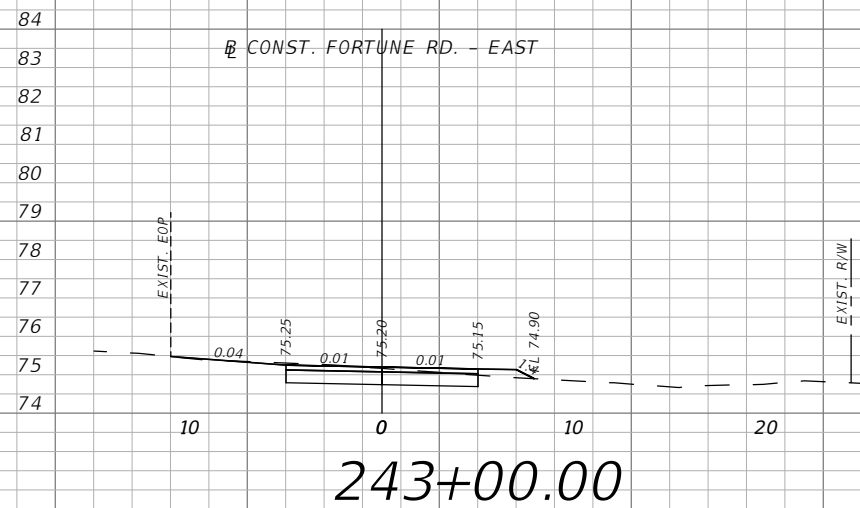
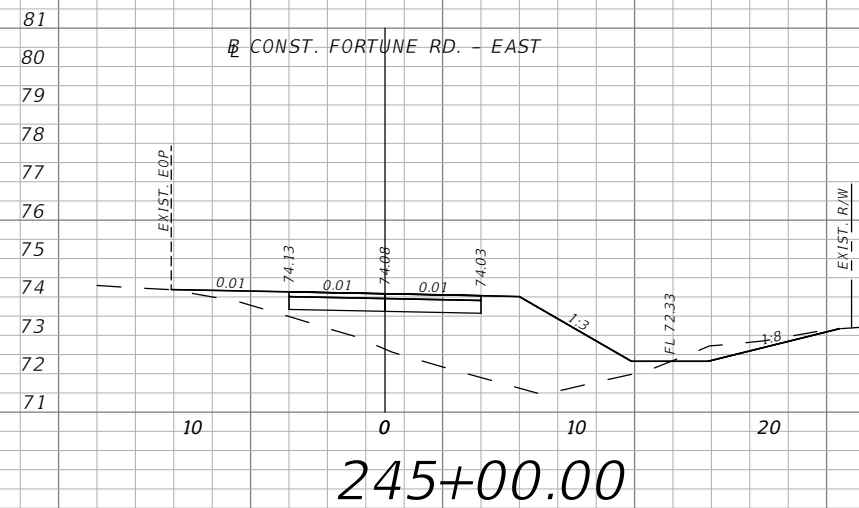
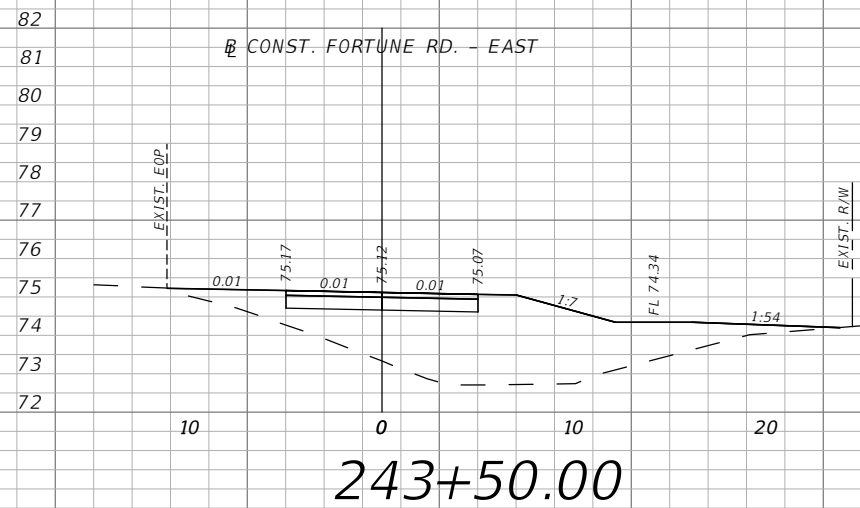
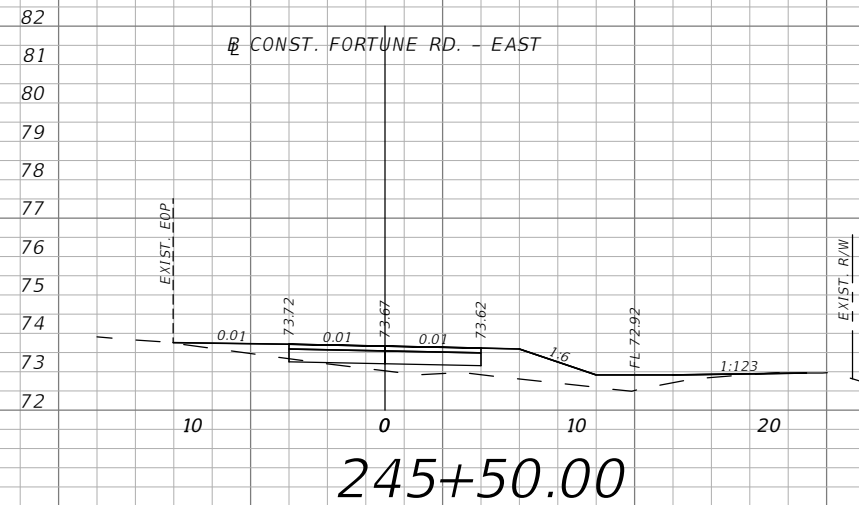
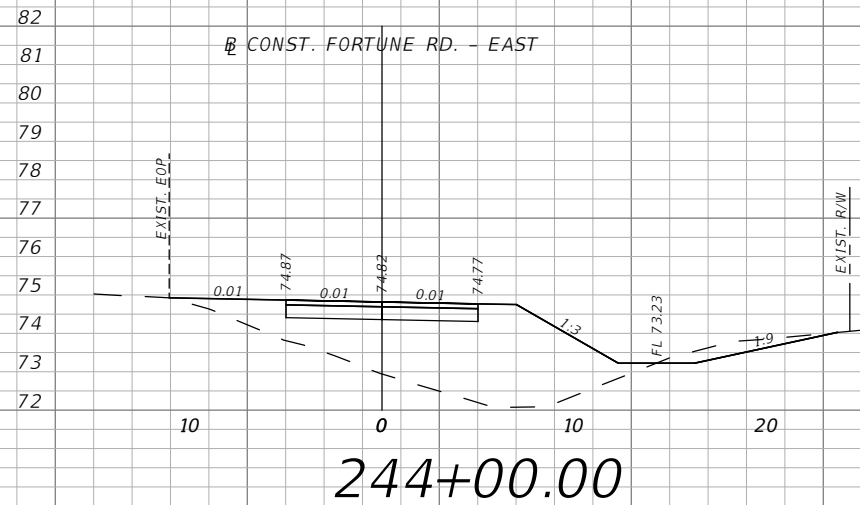


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FORTUNE RD - EAST
CROSS SECTIONS 12

SHEET NO.
XS-28

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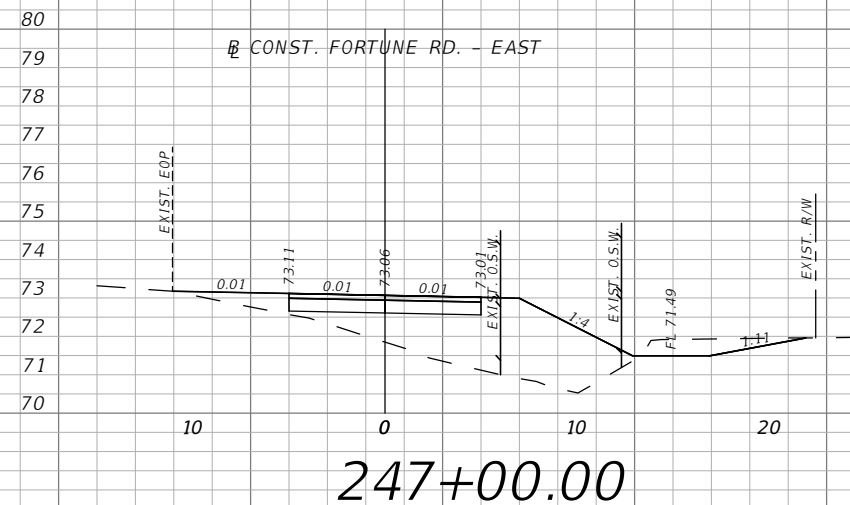
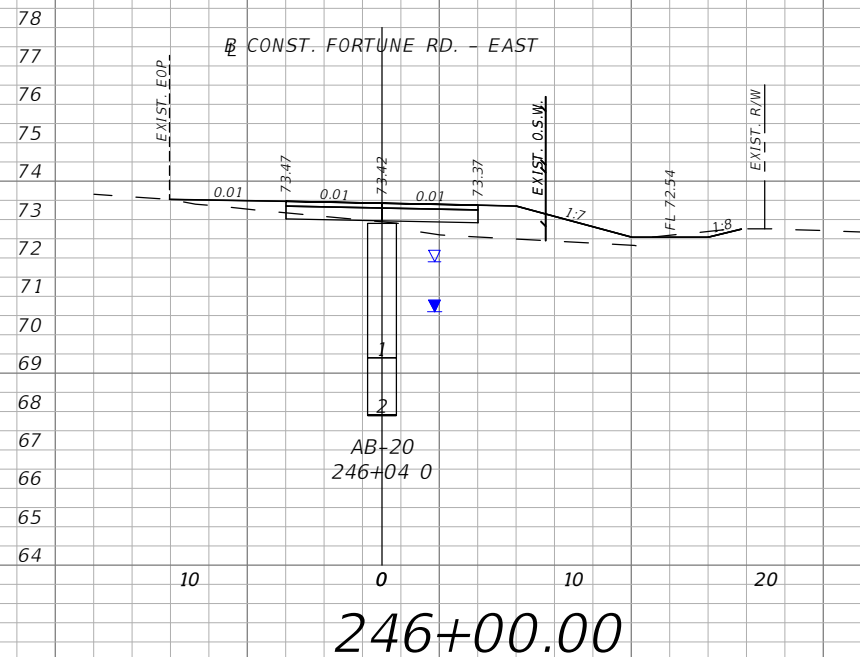
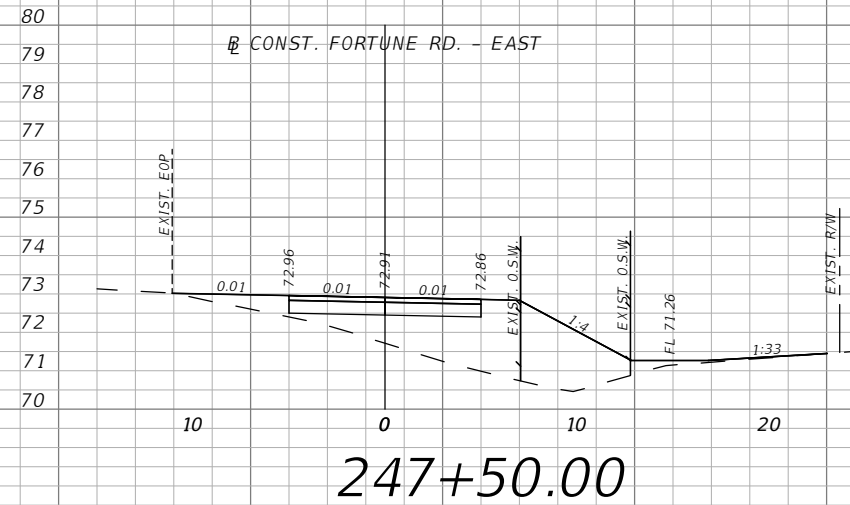
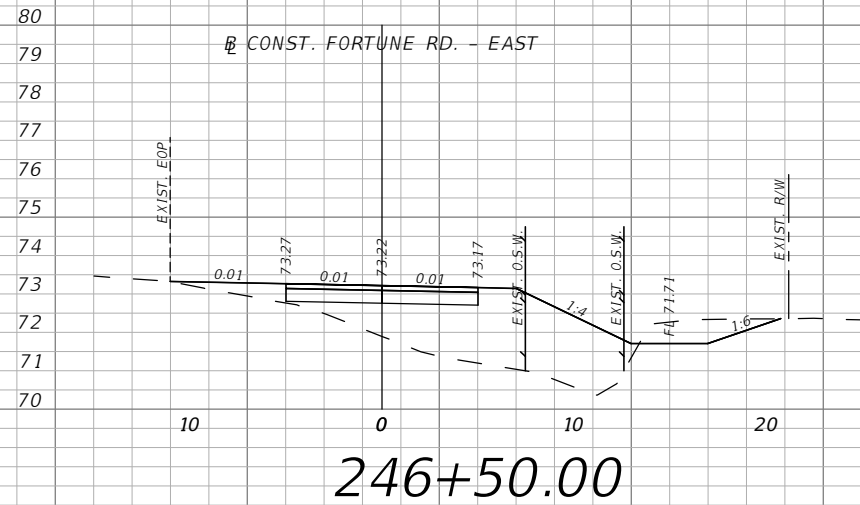


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CROSS SECTIONS 13

SHEET
NO.
XS-29

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1" = 5' Vertical

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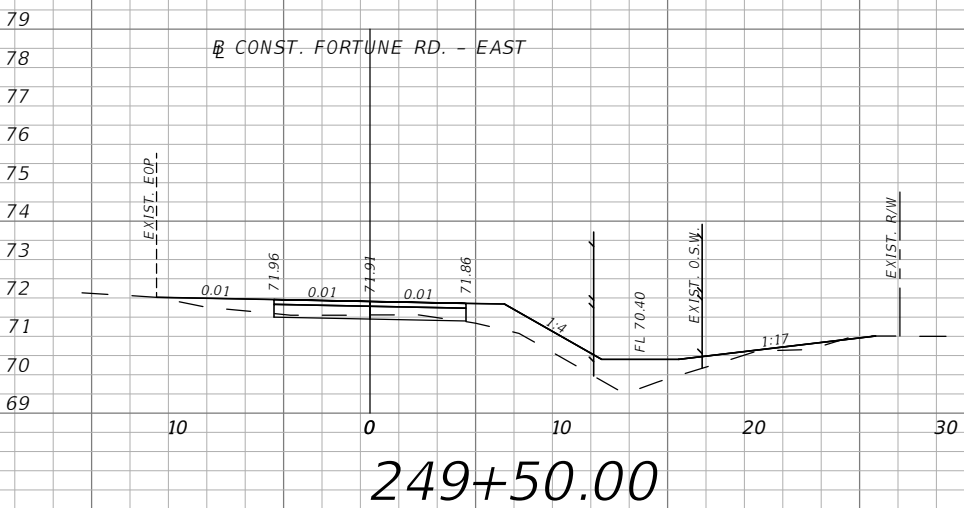
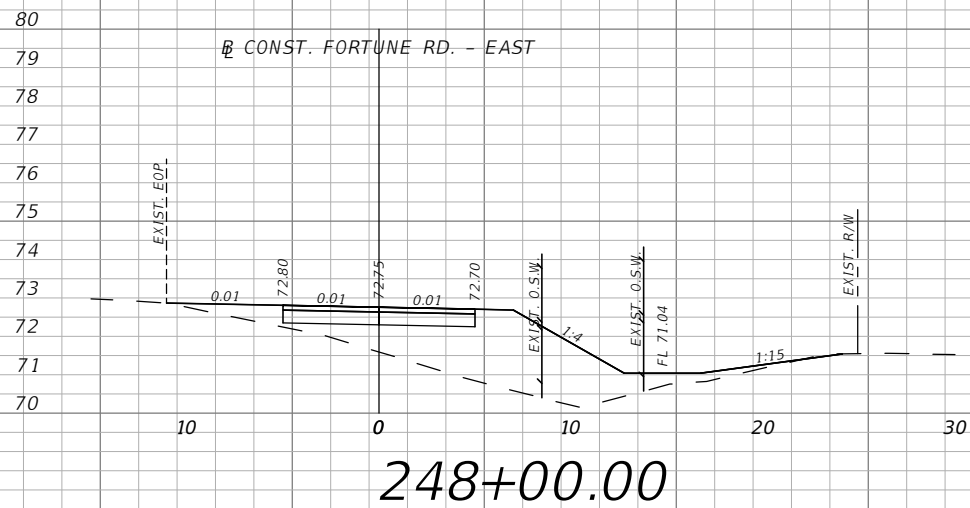
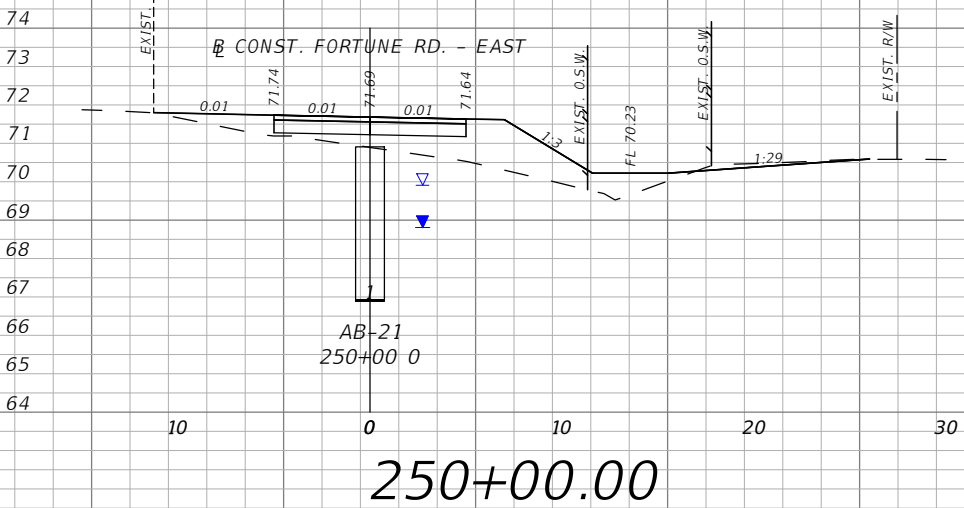
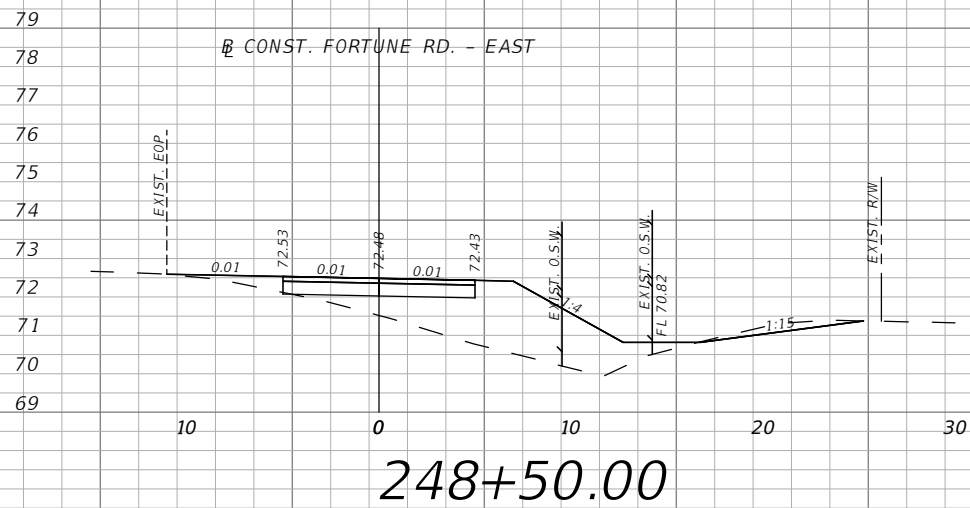
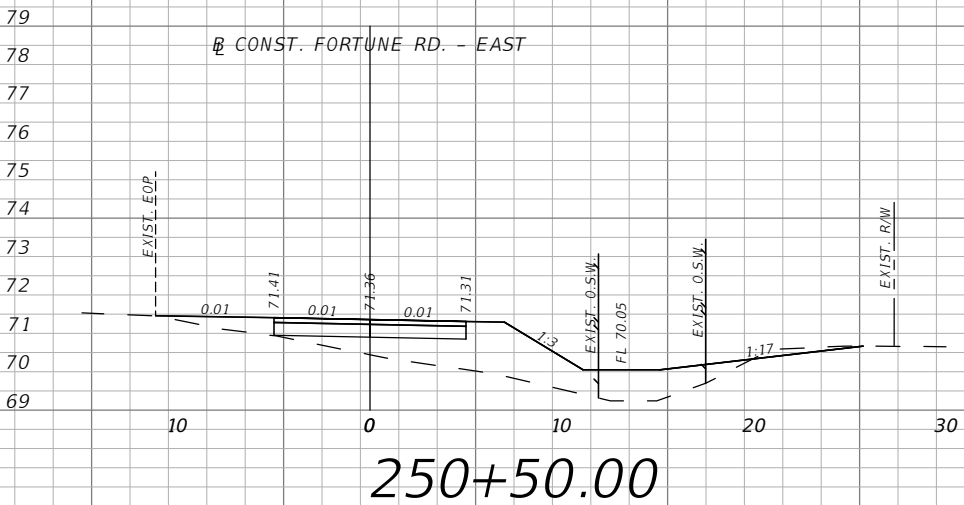
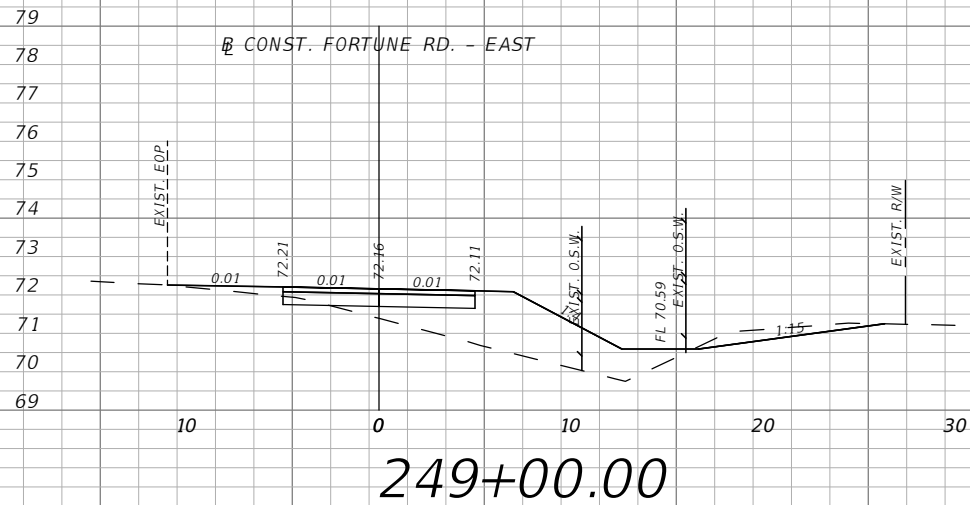


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FORTUNE RD - EAST
CROSS SECTIONS 14

SHEET
NO.
XS-30

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PE # 63437

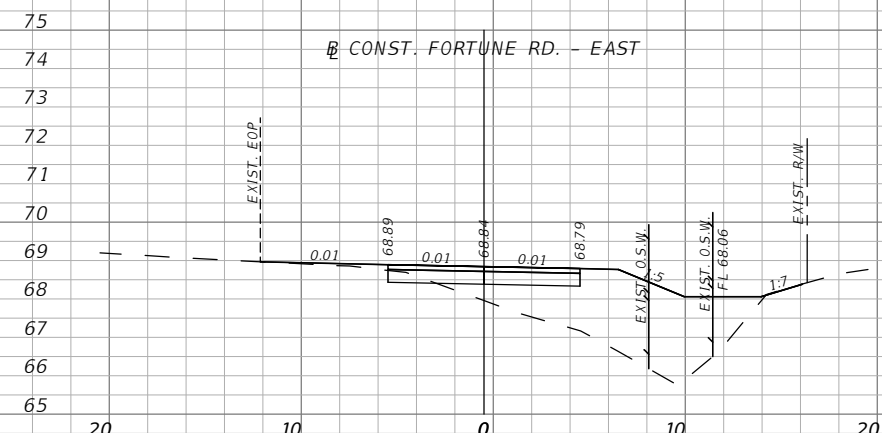


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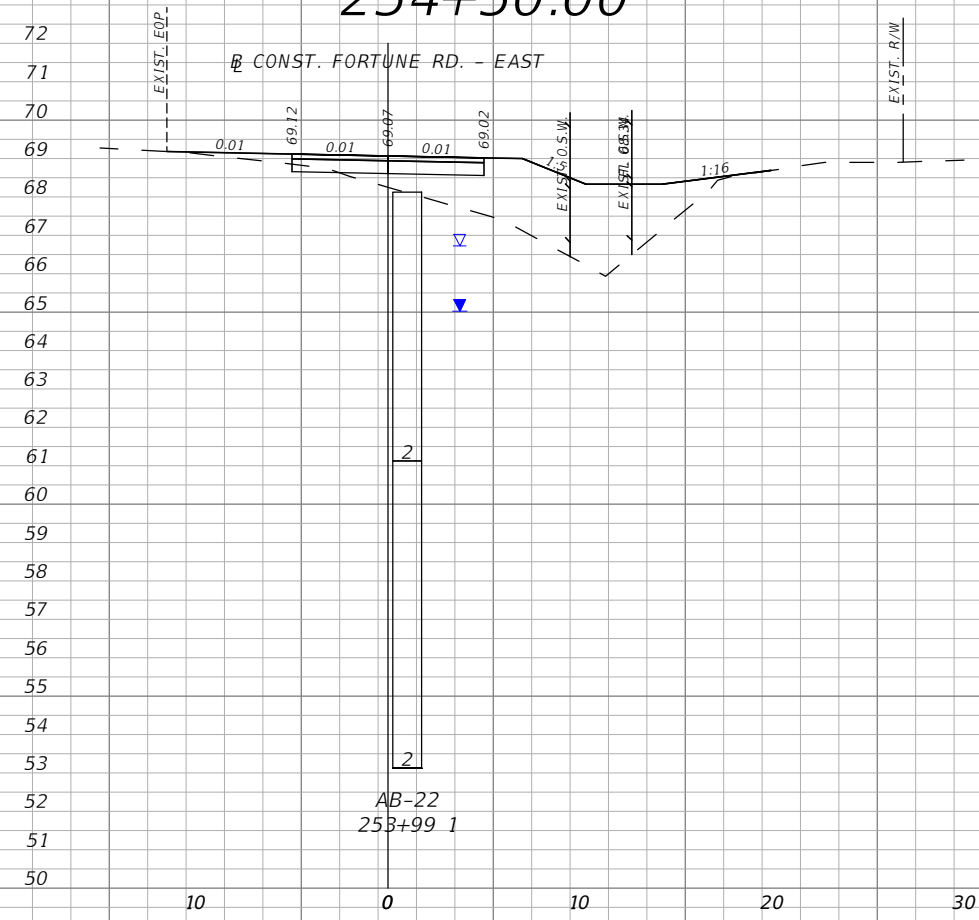
FORTUNE RD - EAST
CROSS SECTIONS 15

SHEET
NO.
XS-31

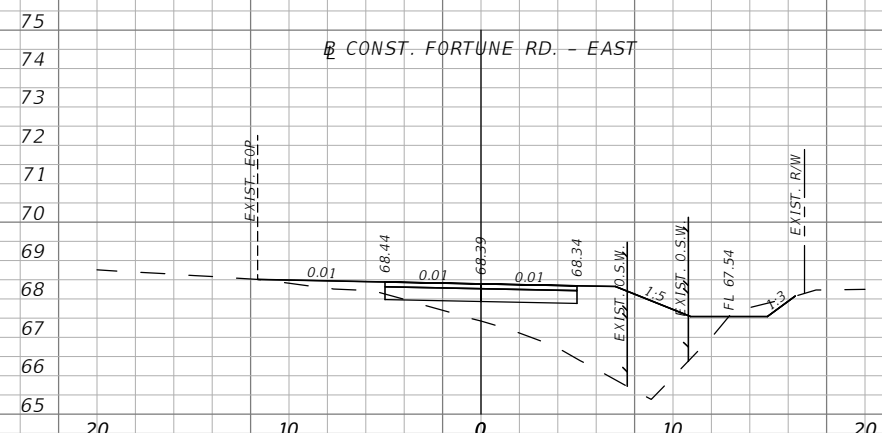
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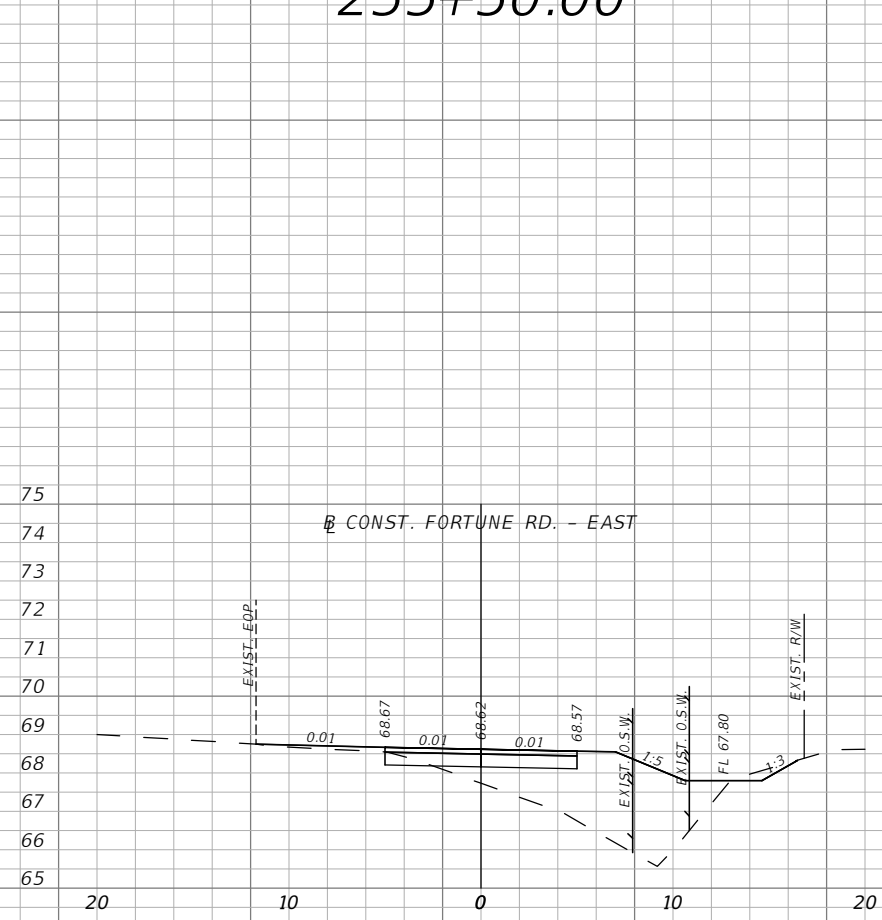
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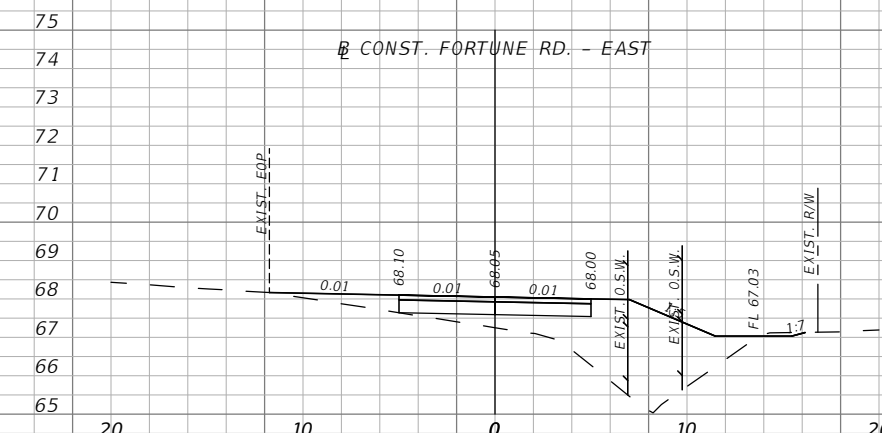
254+00.00



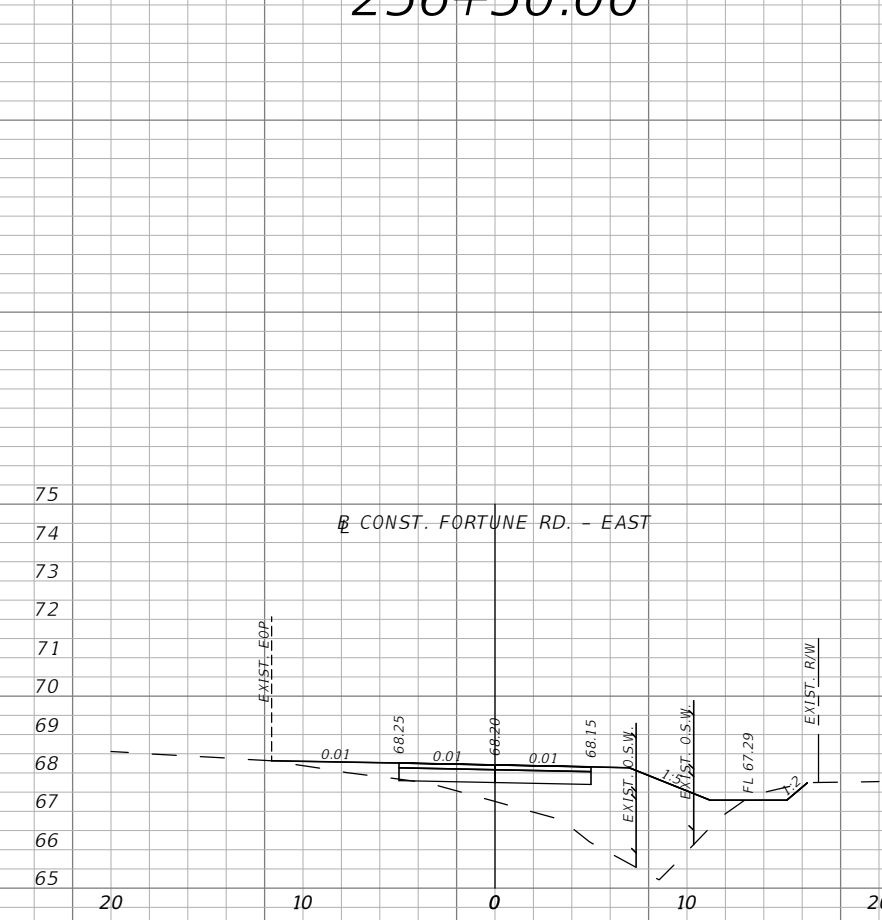
255+50.00



255+00.00



256+50.00



256+00.00

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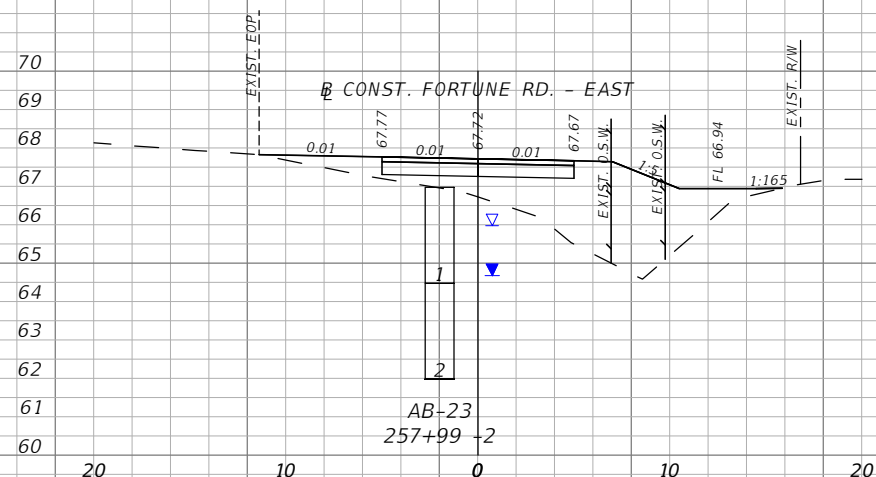


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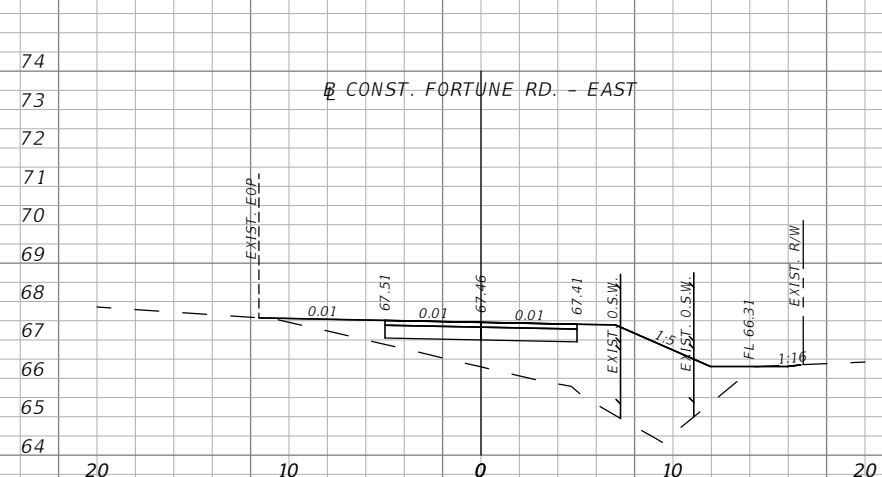
FORTUNE RD - EAST
CROSS SECTIONS 17

SHEET
NO.
XS-33

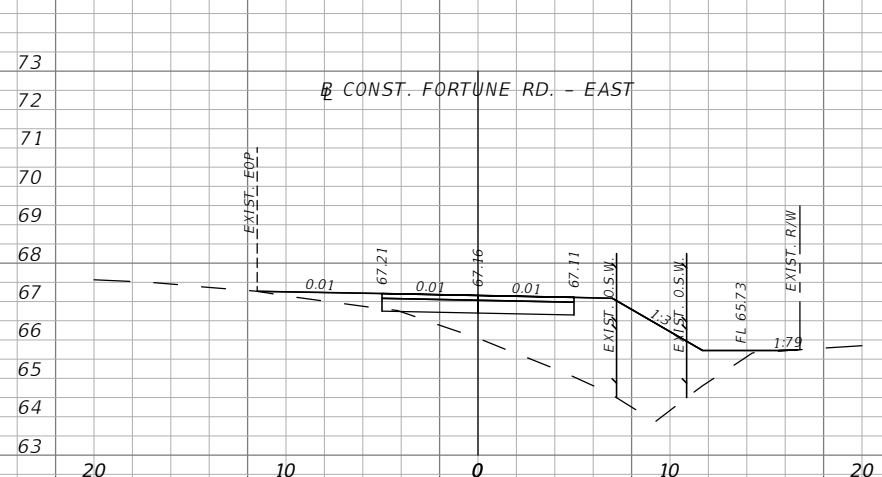
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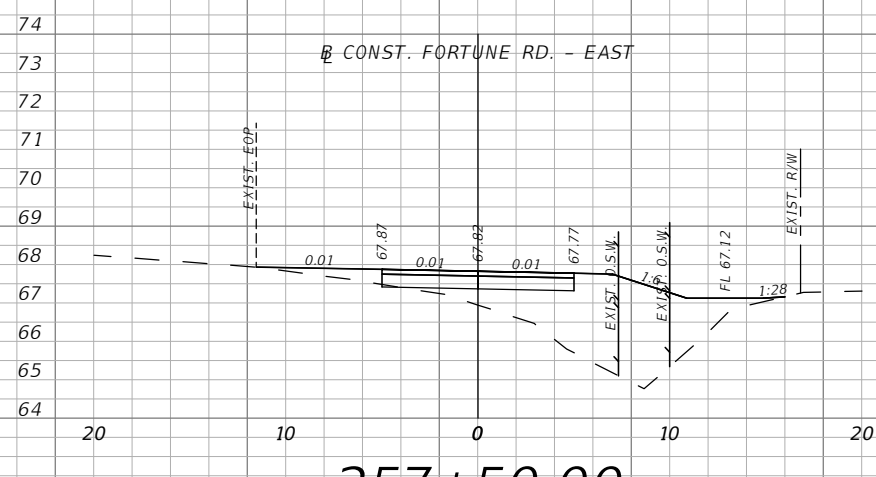
258+00.00



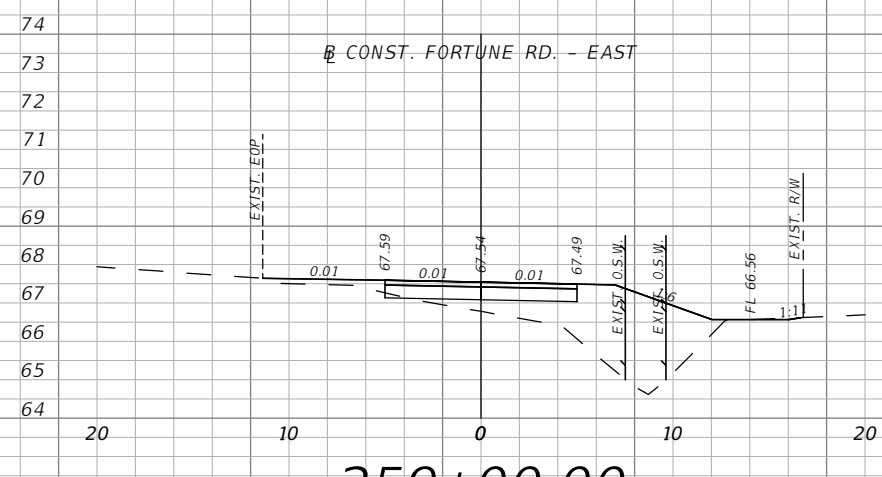
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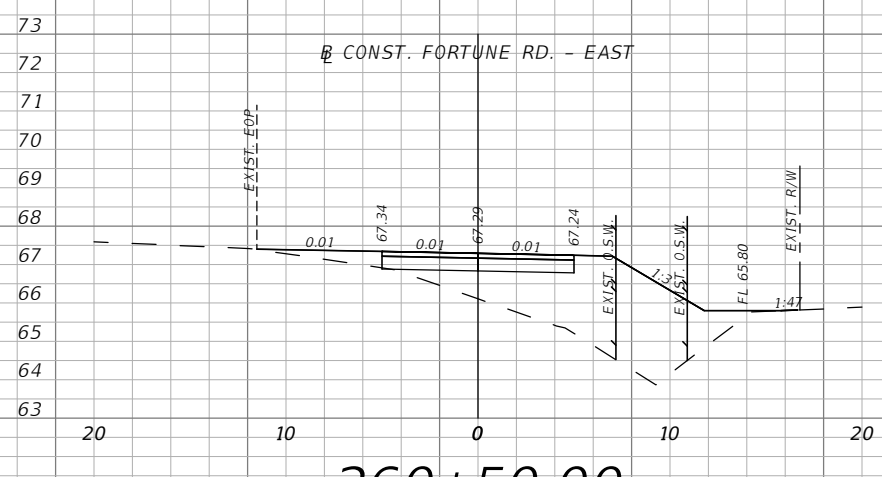
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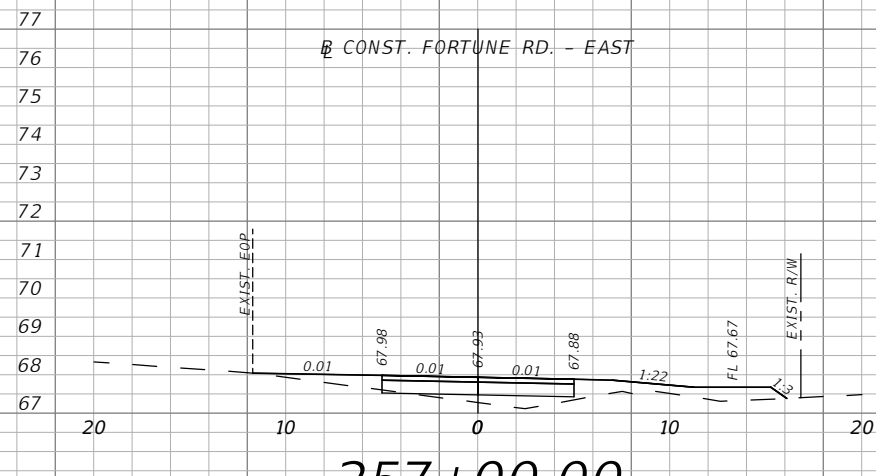
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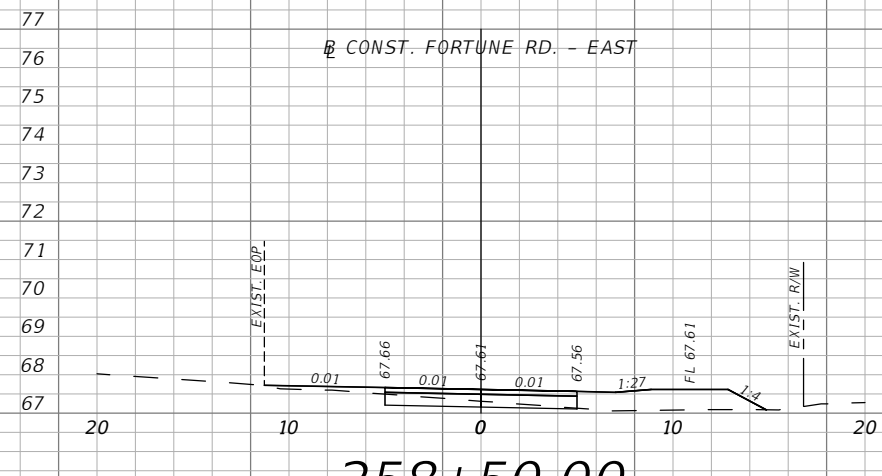
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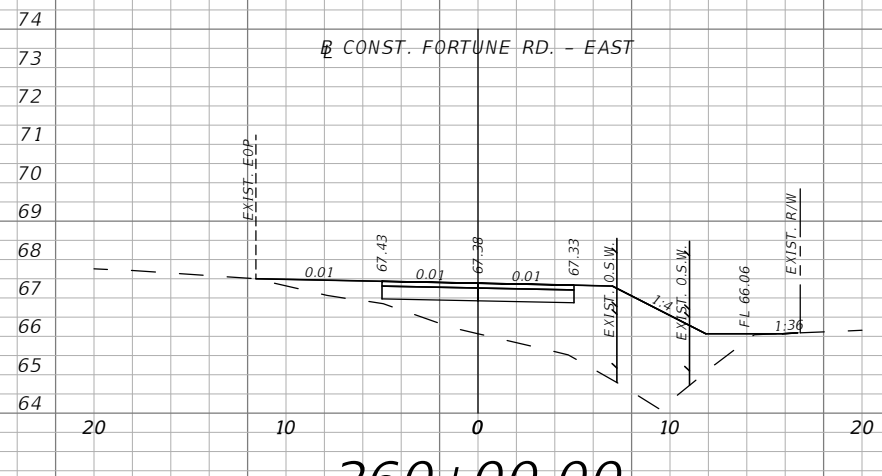
260+50.00



257+00.00



258+50.00



260+00.00

1" = 10' Horizontal
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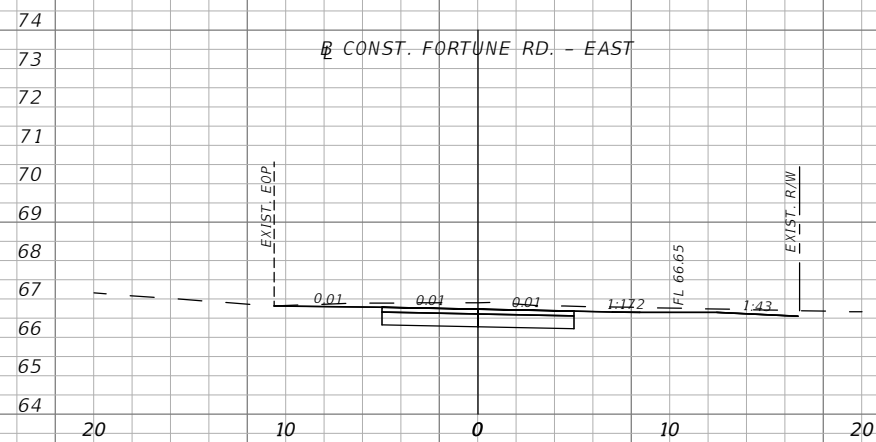


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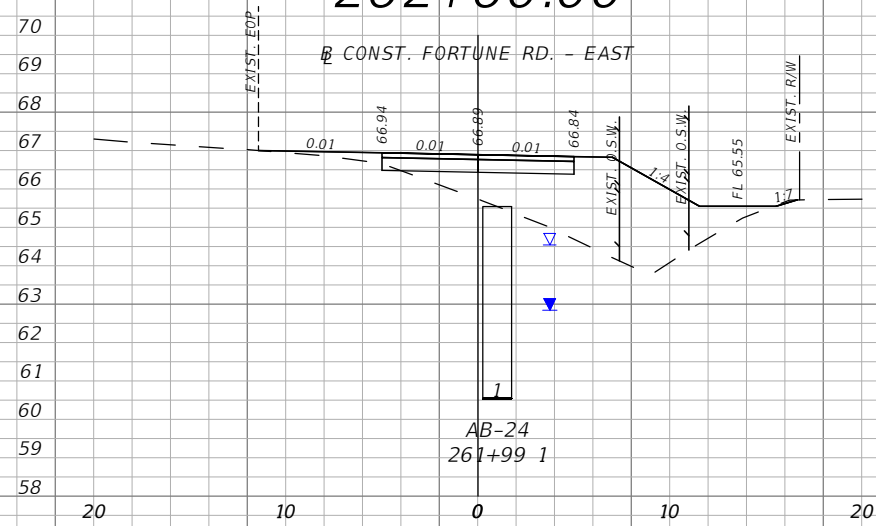
FORTUNE RD - EAST
CROSS SECTIONS 18

SHEET
NO.
XS-34

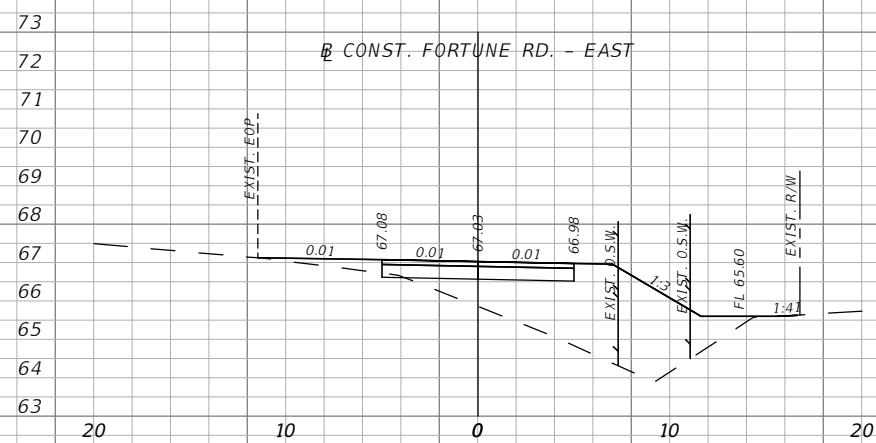
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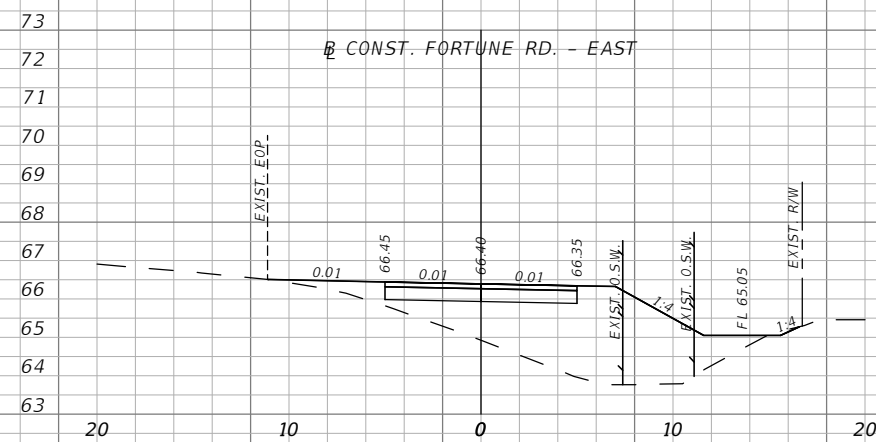
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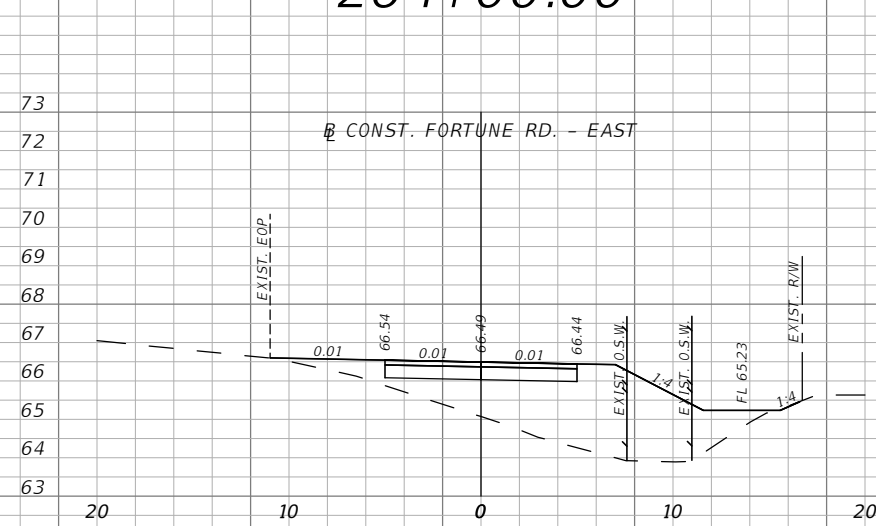
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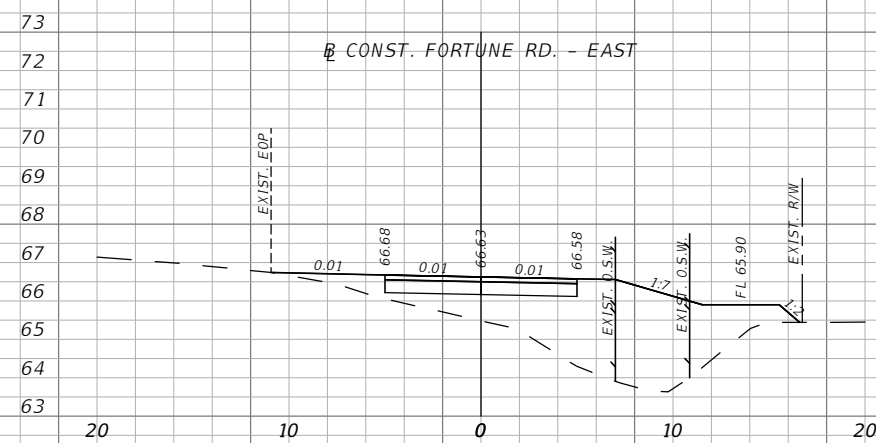
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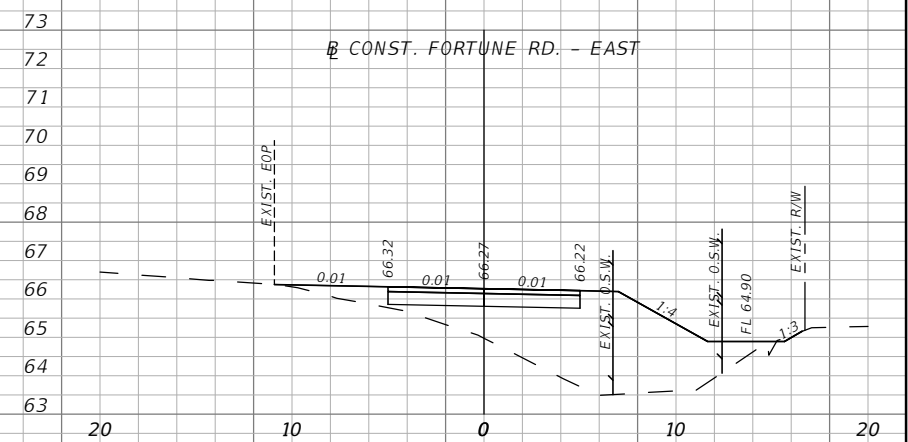
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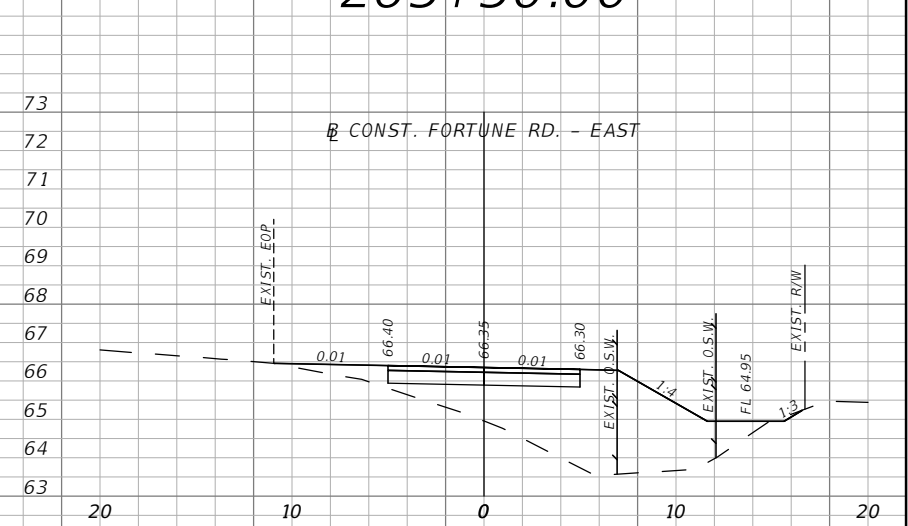
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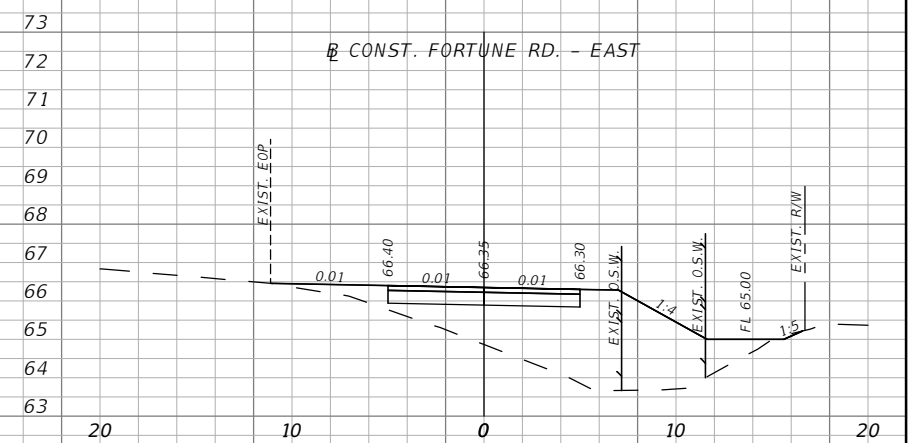
263+00.00



265+50.00



265+00.00



264+50.00

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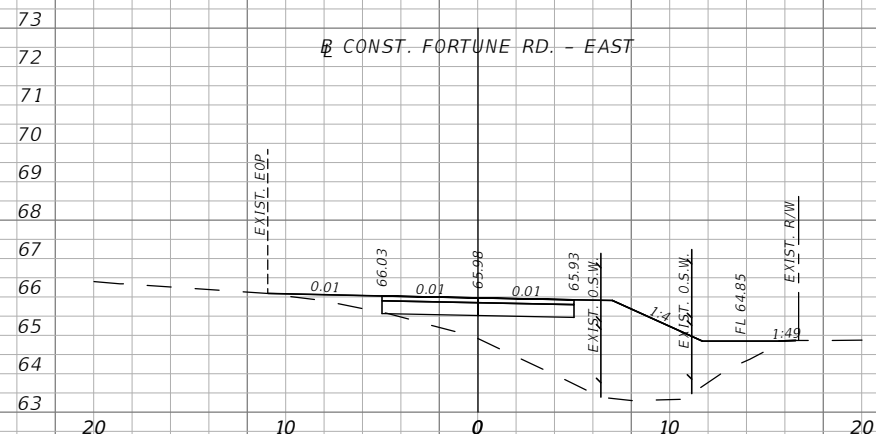


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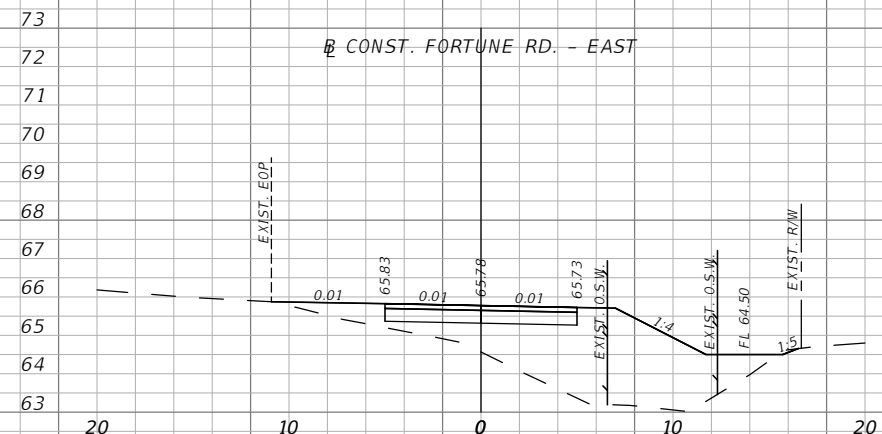
FORTUNE RD - EAST
CROSS SECTIONS 19

SHEET
NO.
XS-35

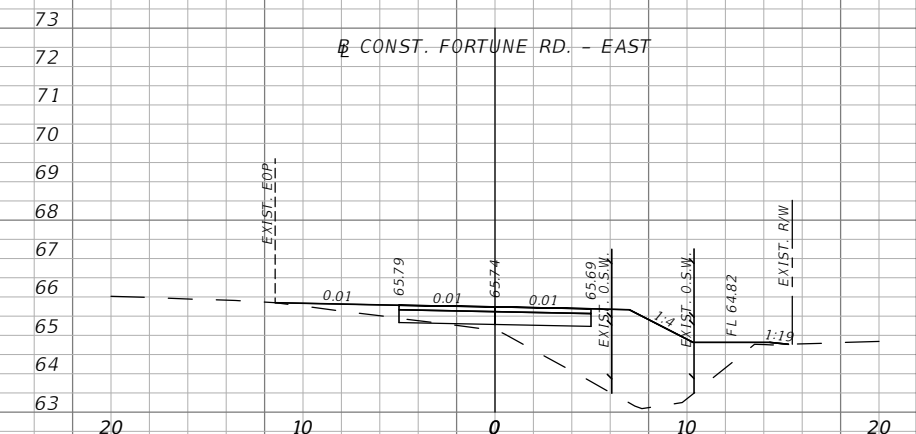
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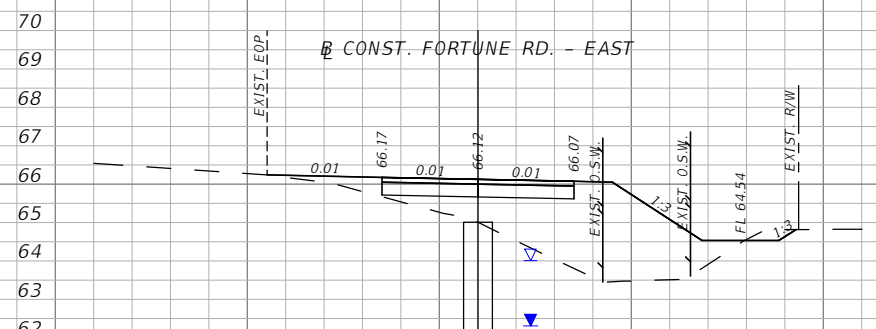
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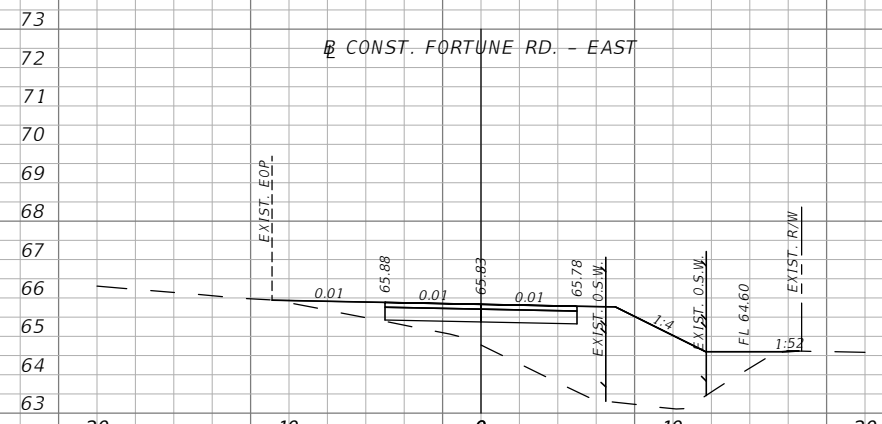
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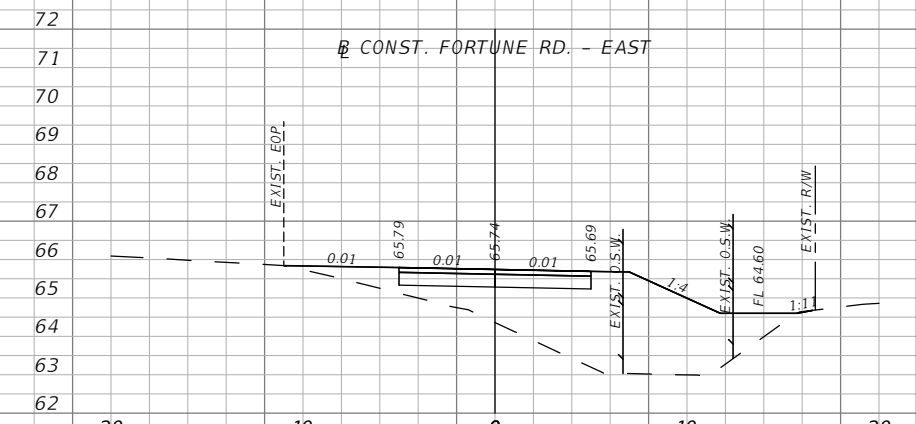
268+50.00



266+00.00



267+00.00



268+00.00

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

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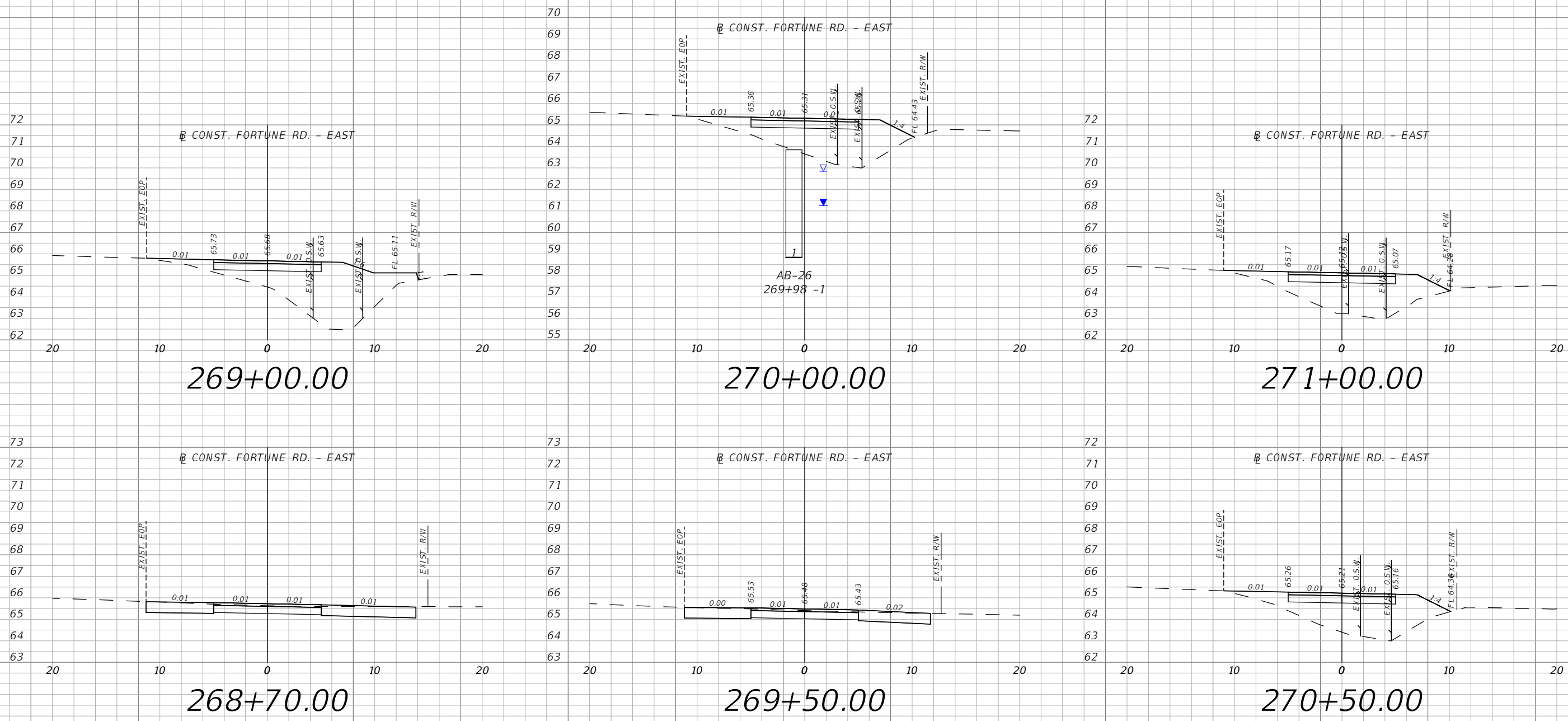


OSCEOLA COUNTY
FLORIDA

FORTUNE RD - EAST
CROSS SECTIONS 20

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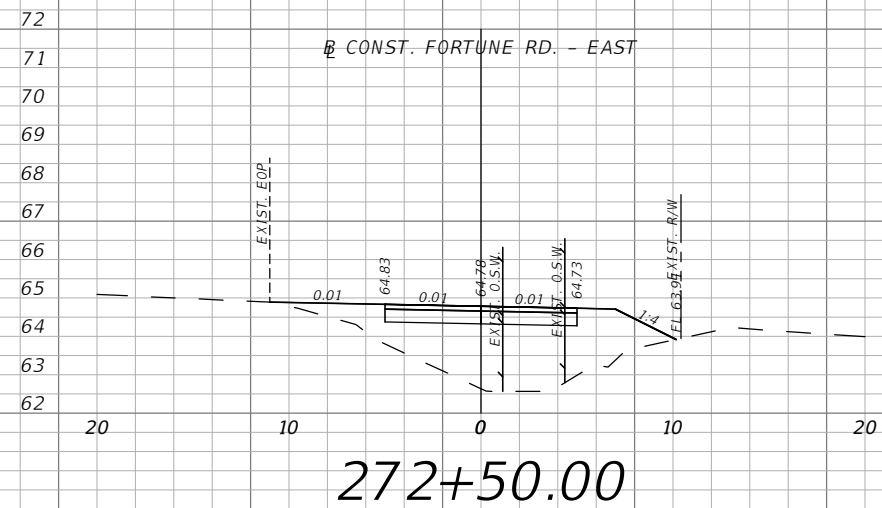
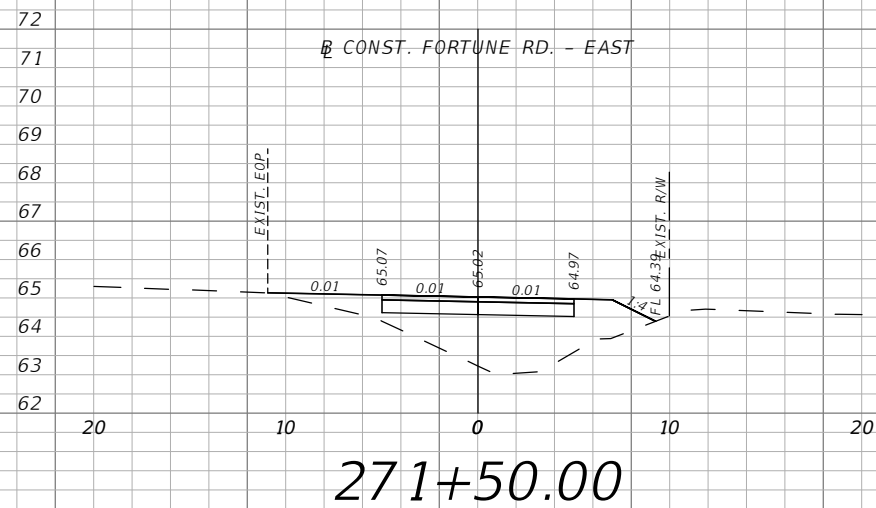
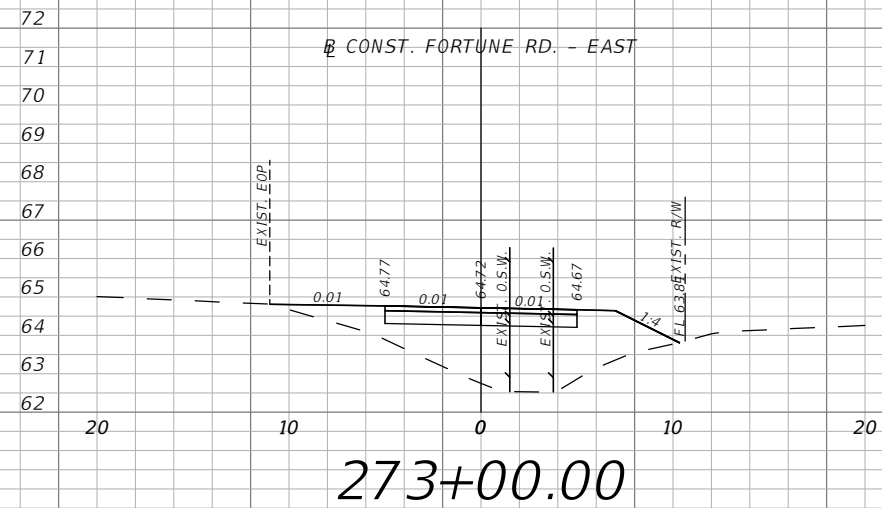
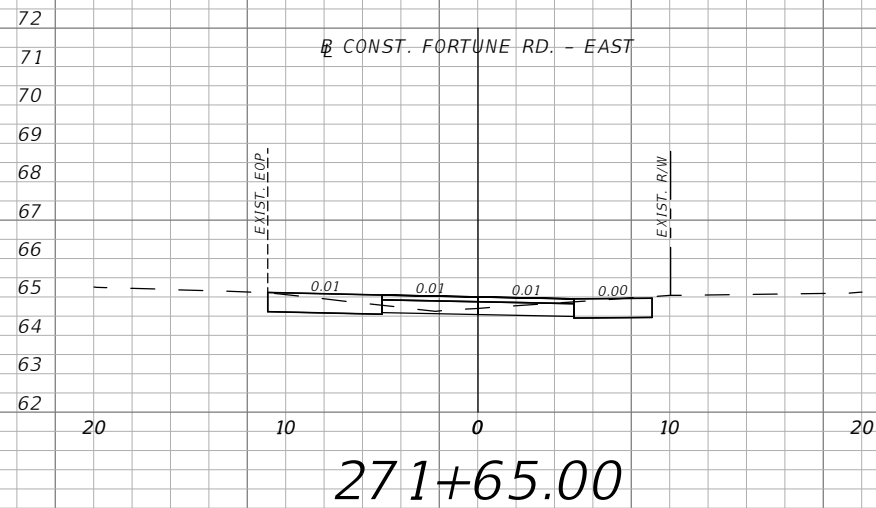
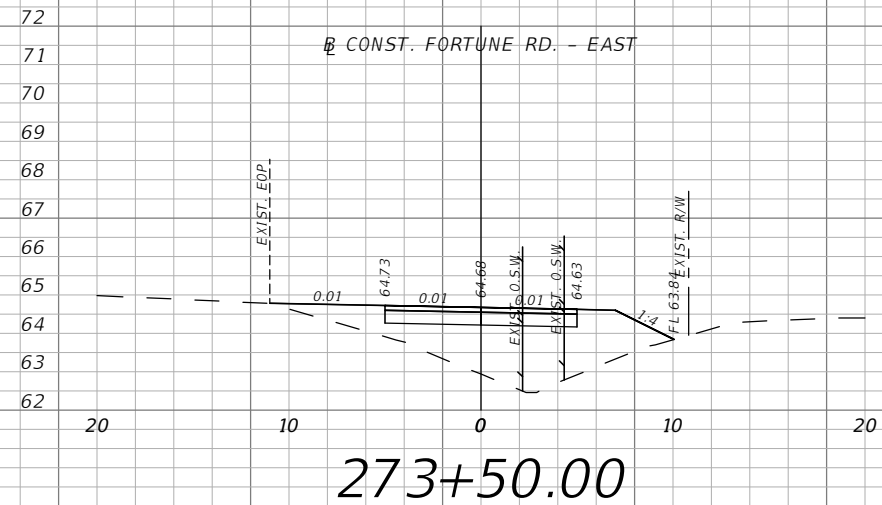
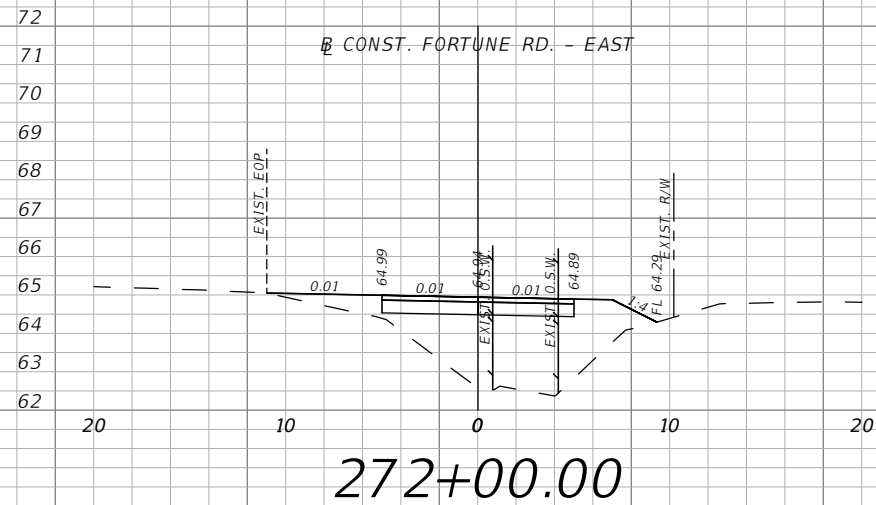


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FORTUNE RD - EAST
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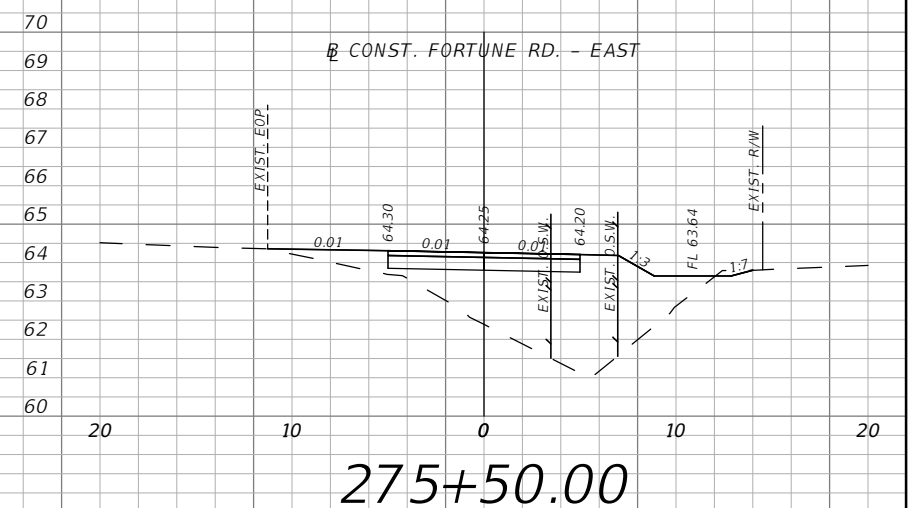
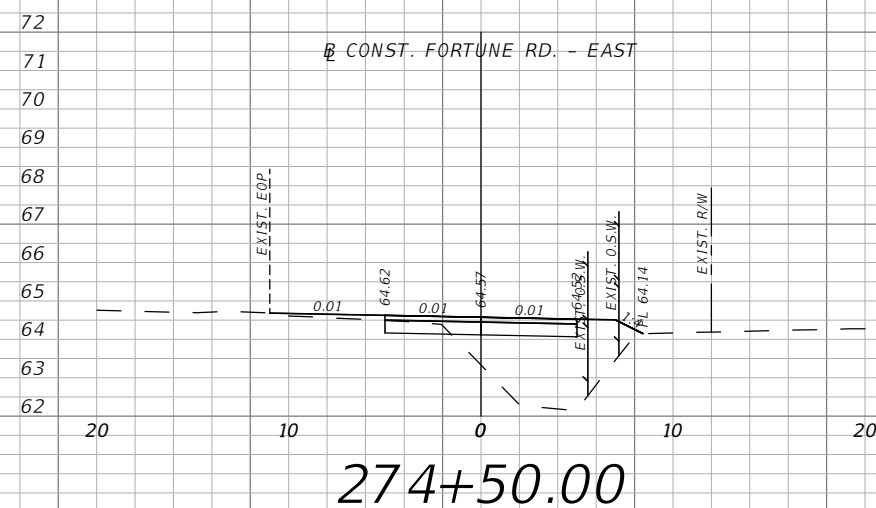
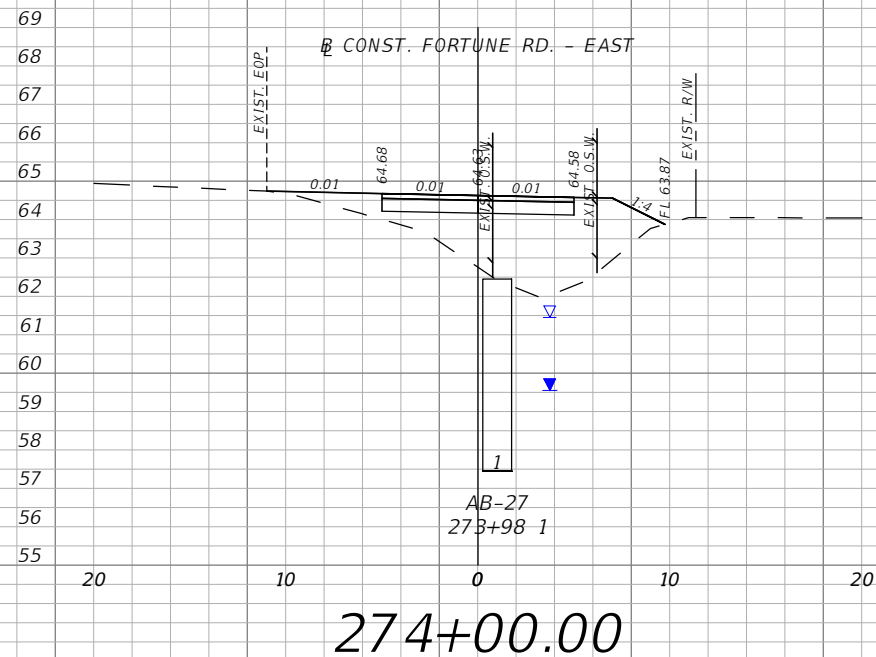
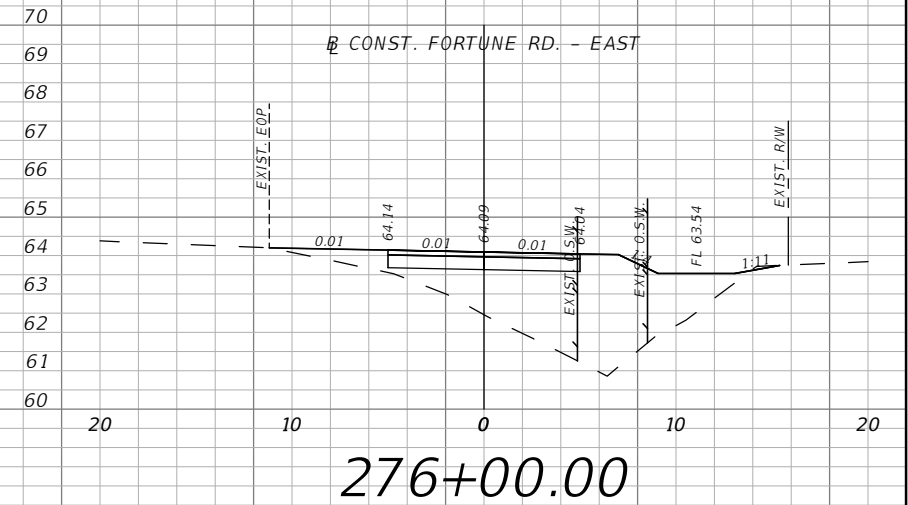
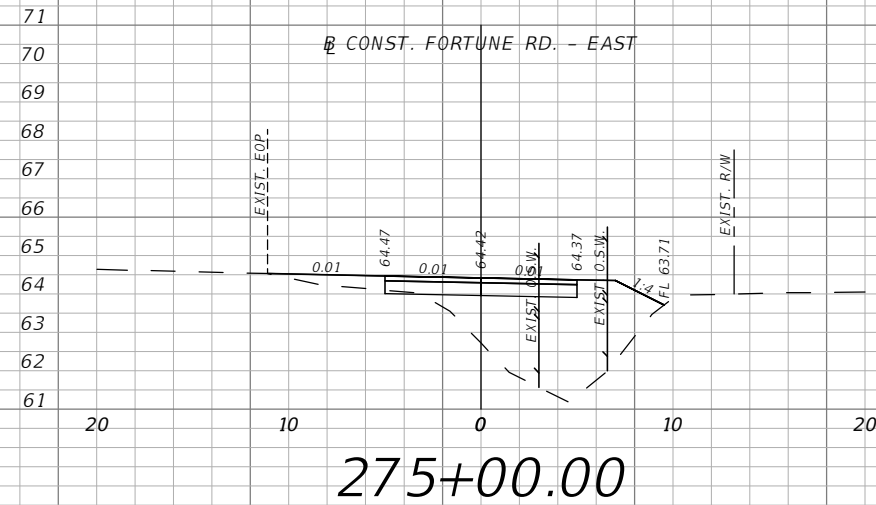
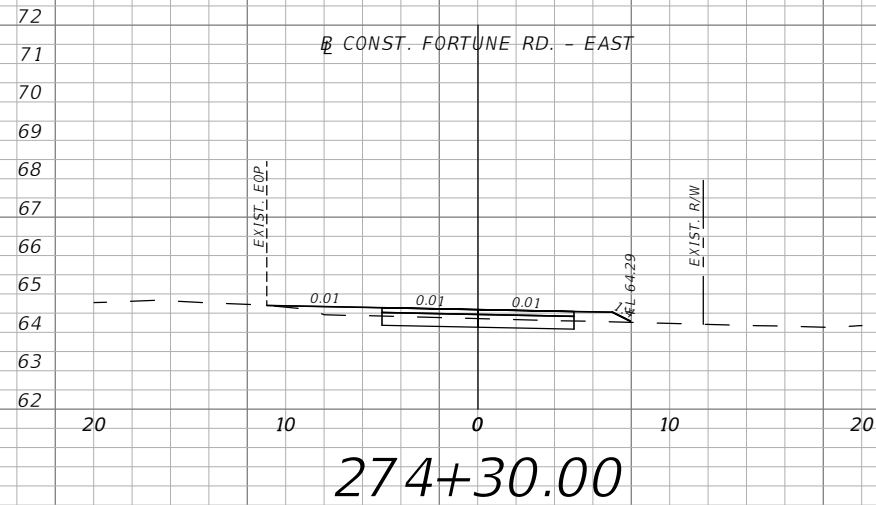


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FORTUNE RD - EAST
CROSS SECTIONS 22

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1" = 5' Vertical

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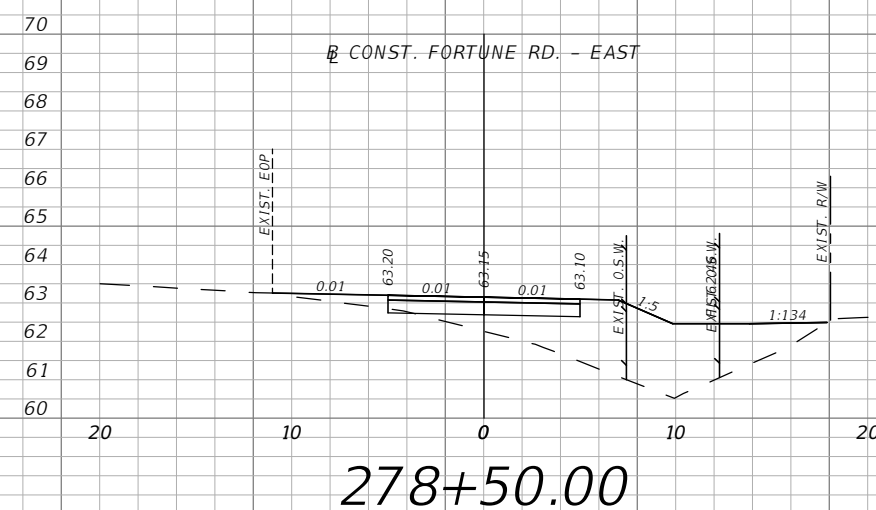
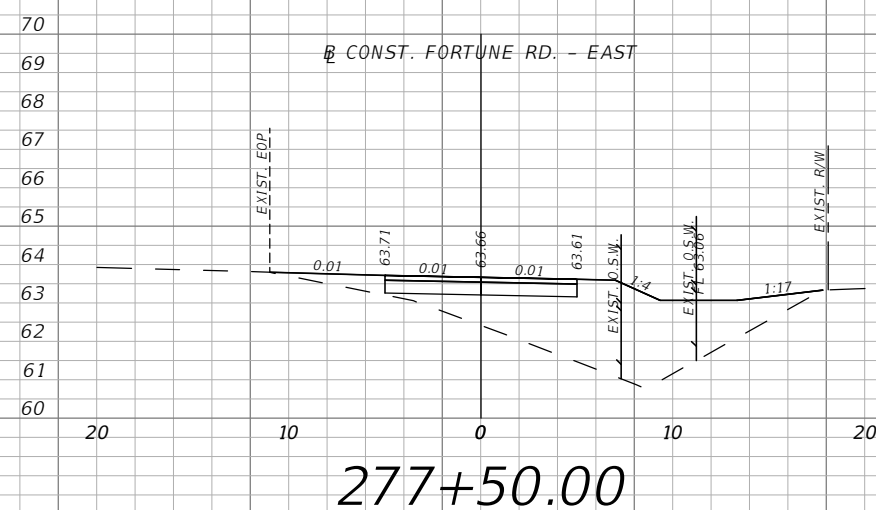
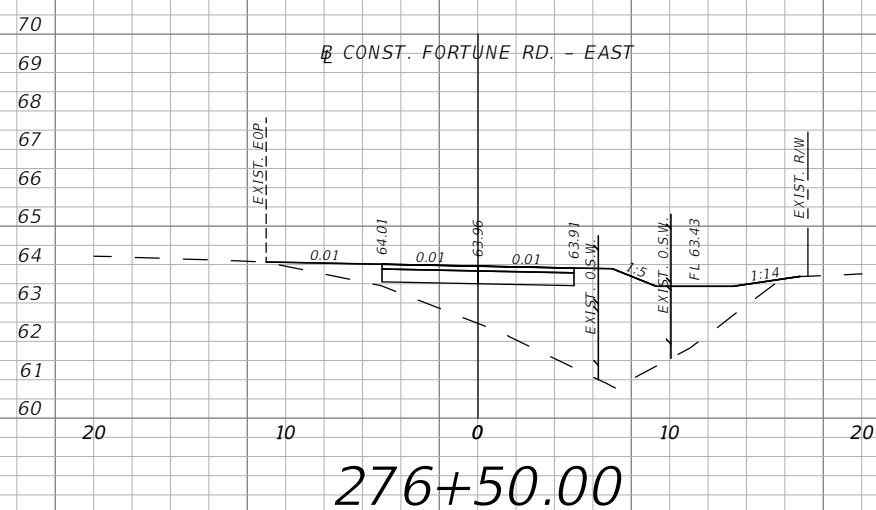
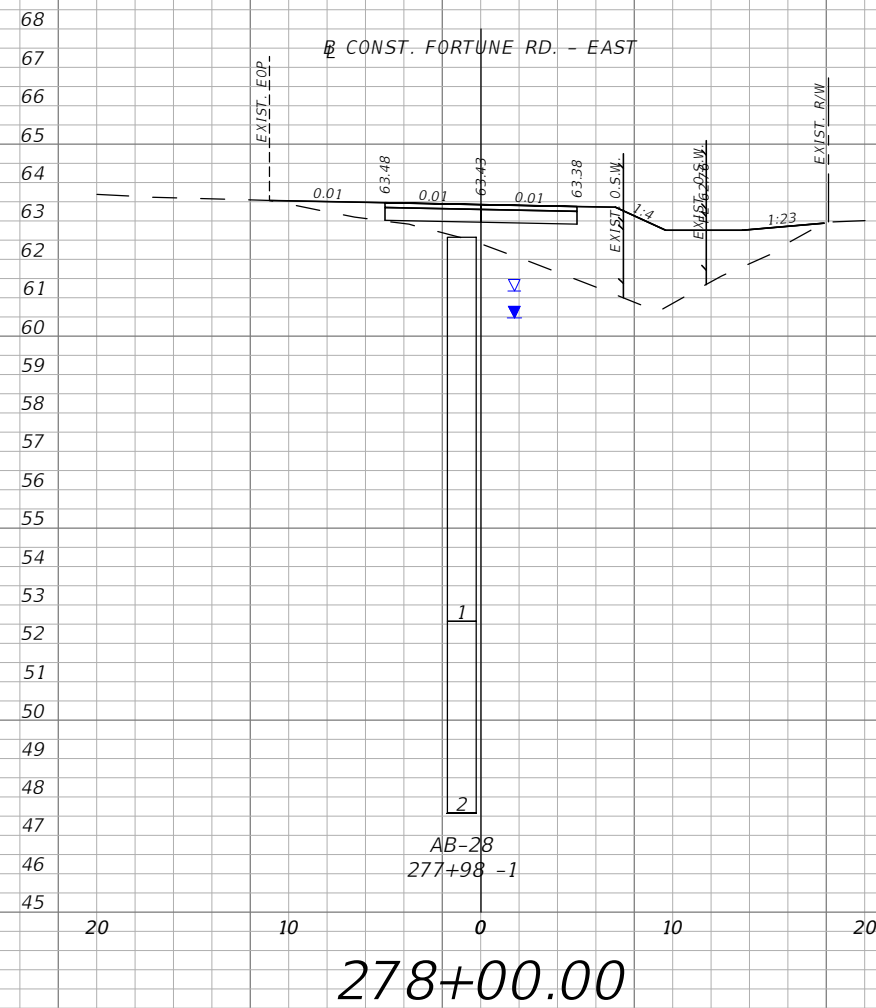
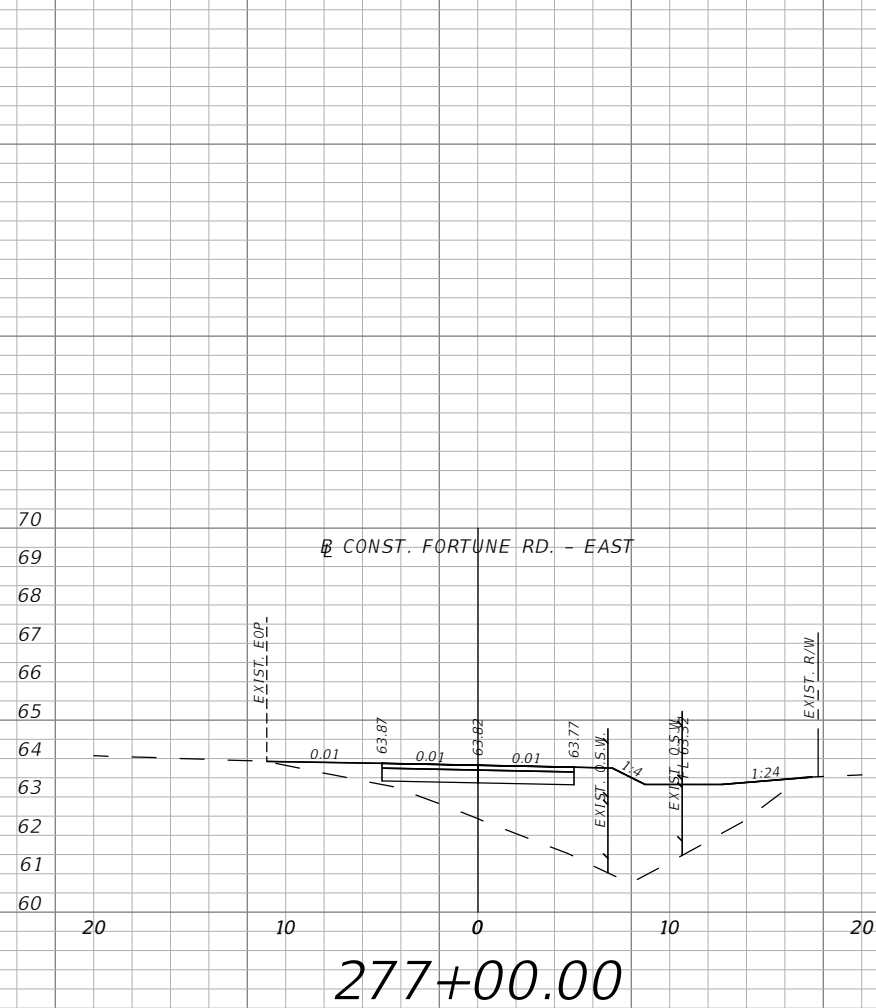

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FORTUNE RD - EAST
CROSS SECTIONS 23

SHEET
NO.
XS-39



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

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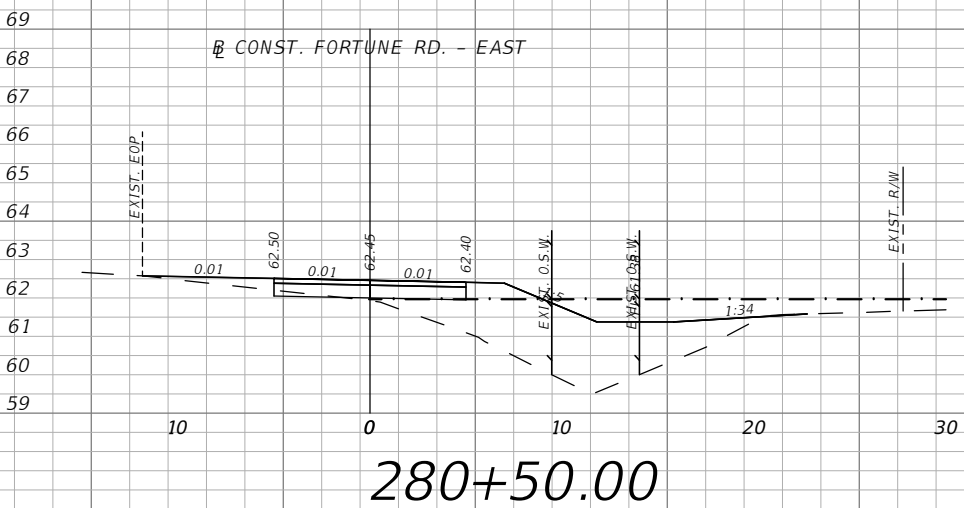
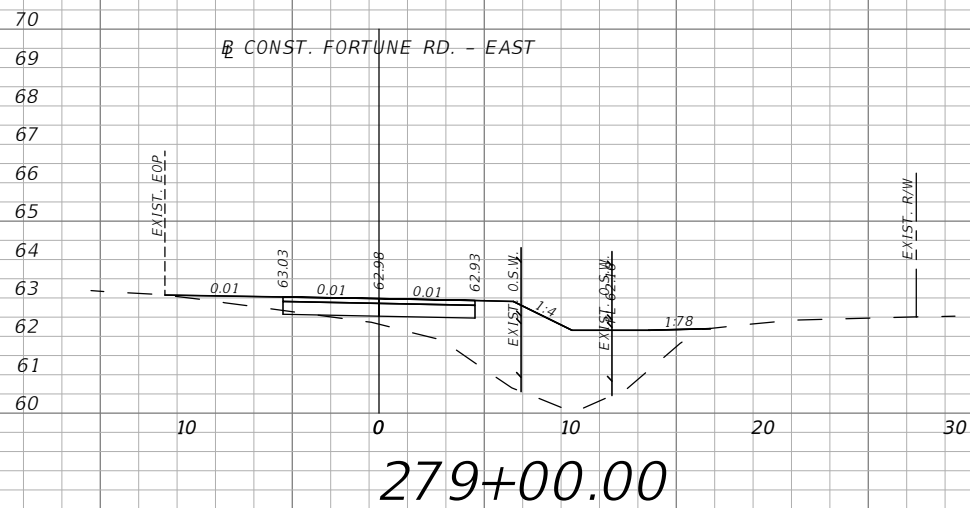
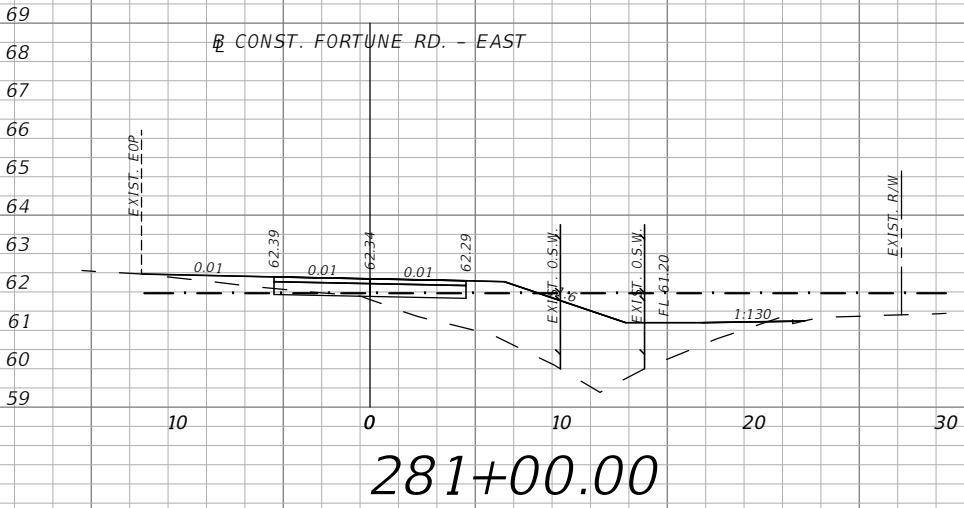
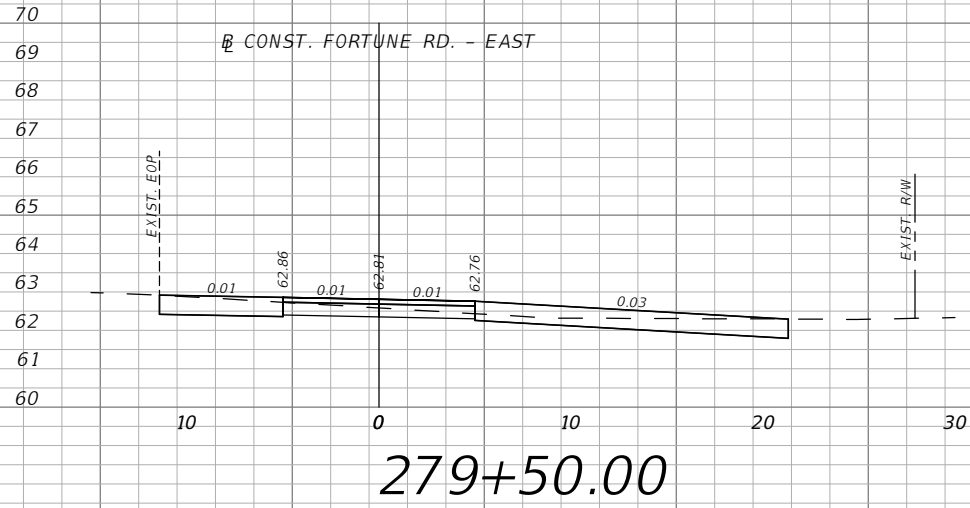
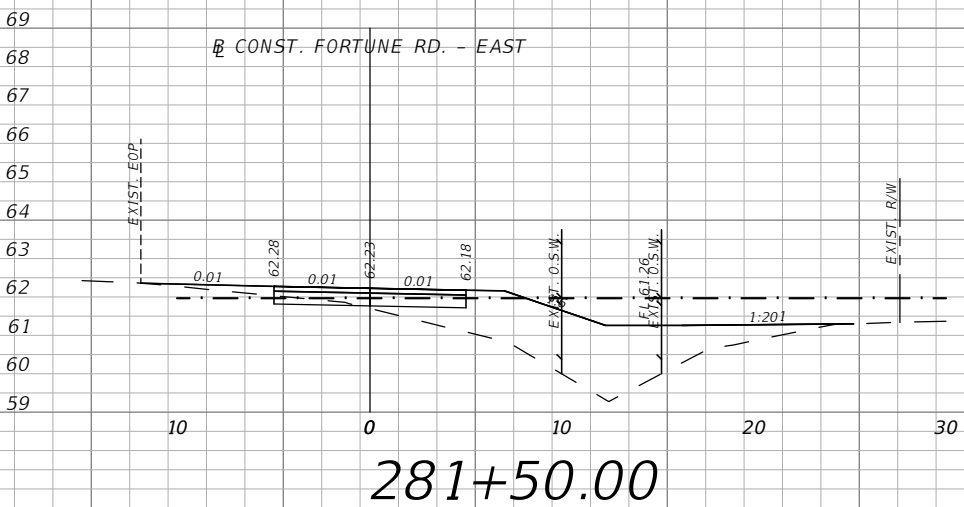
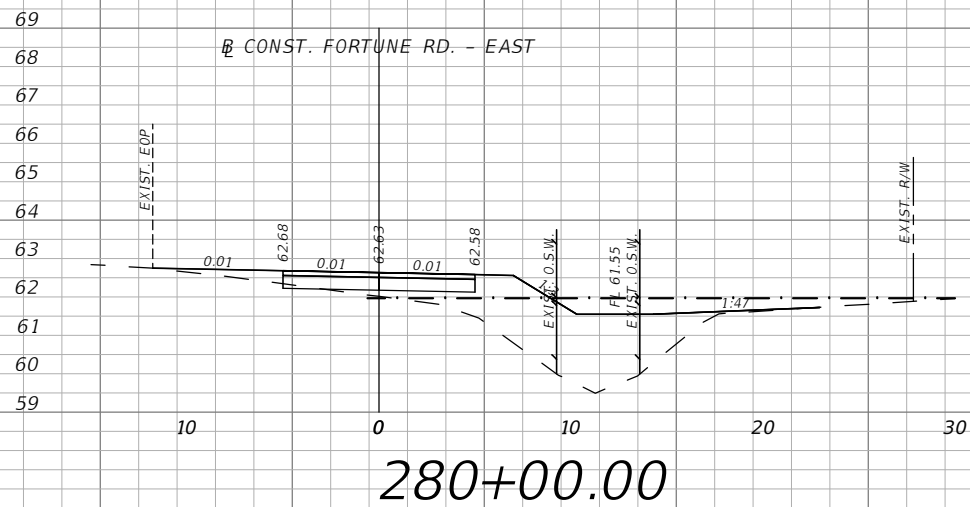


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FORTUNE RD - EAST
CROSS SECTIONS 24

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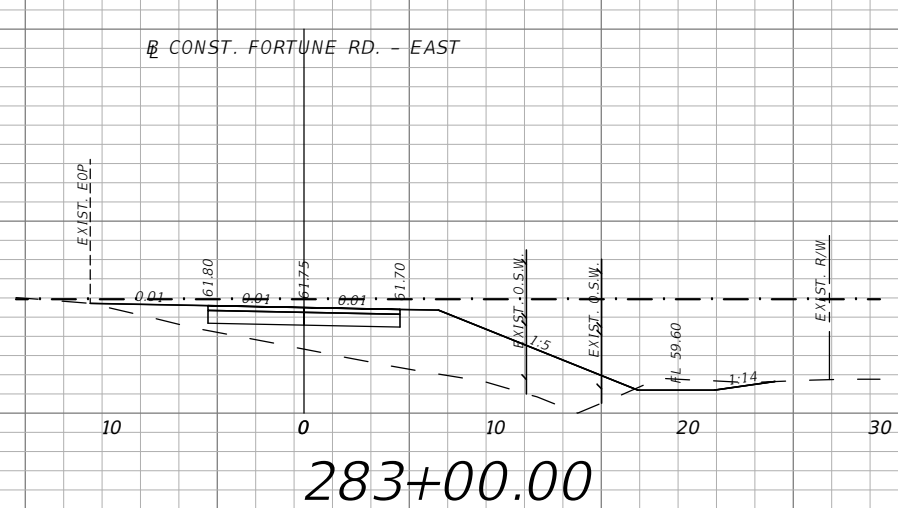
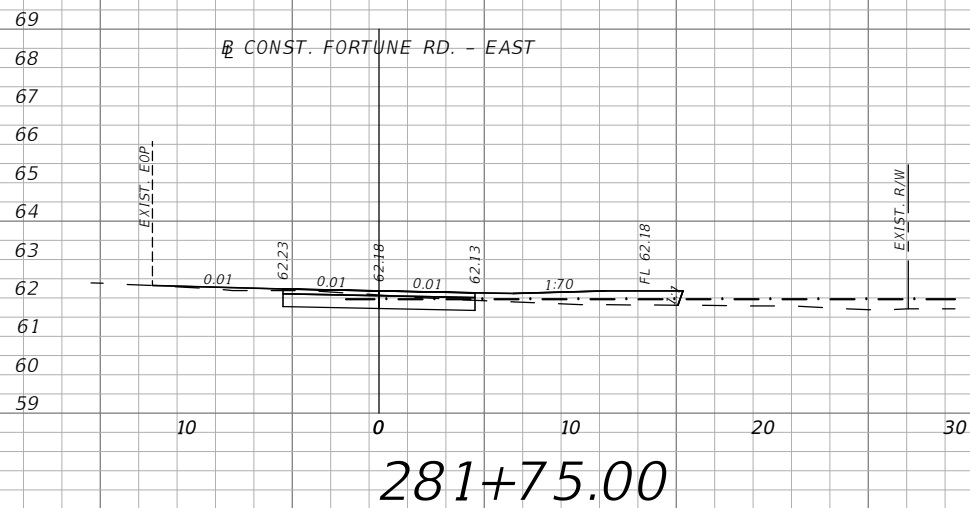
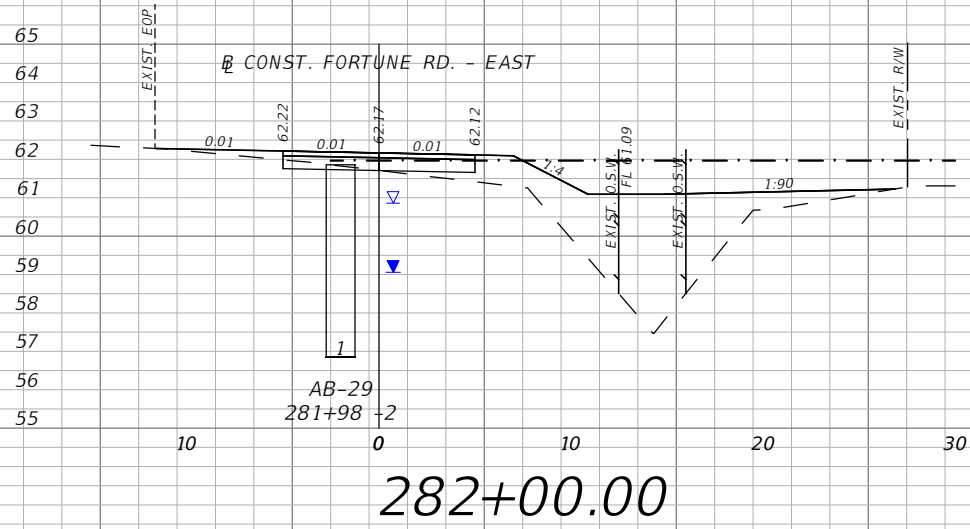
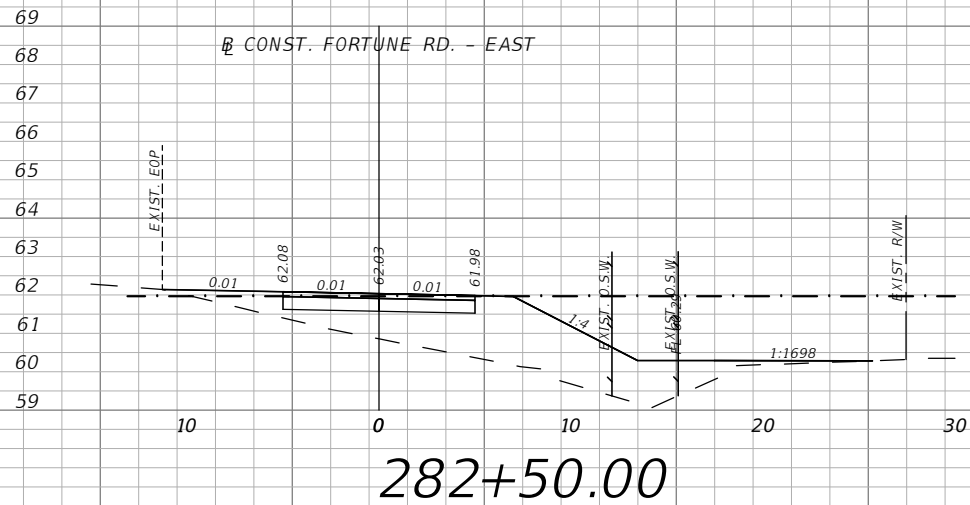


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**FORTUNE RD - EAST
 CROSS SECTIONS 25**

SHEET
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1" = 10' Horizontal
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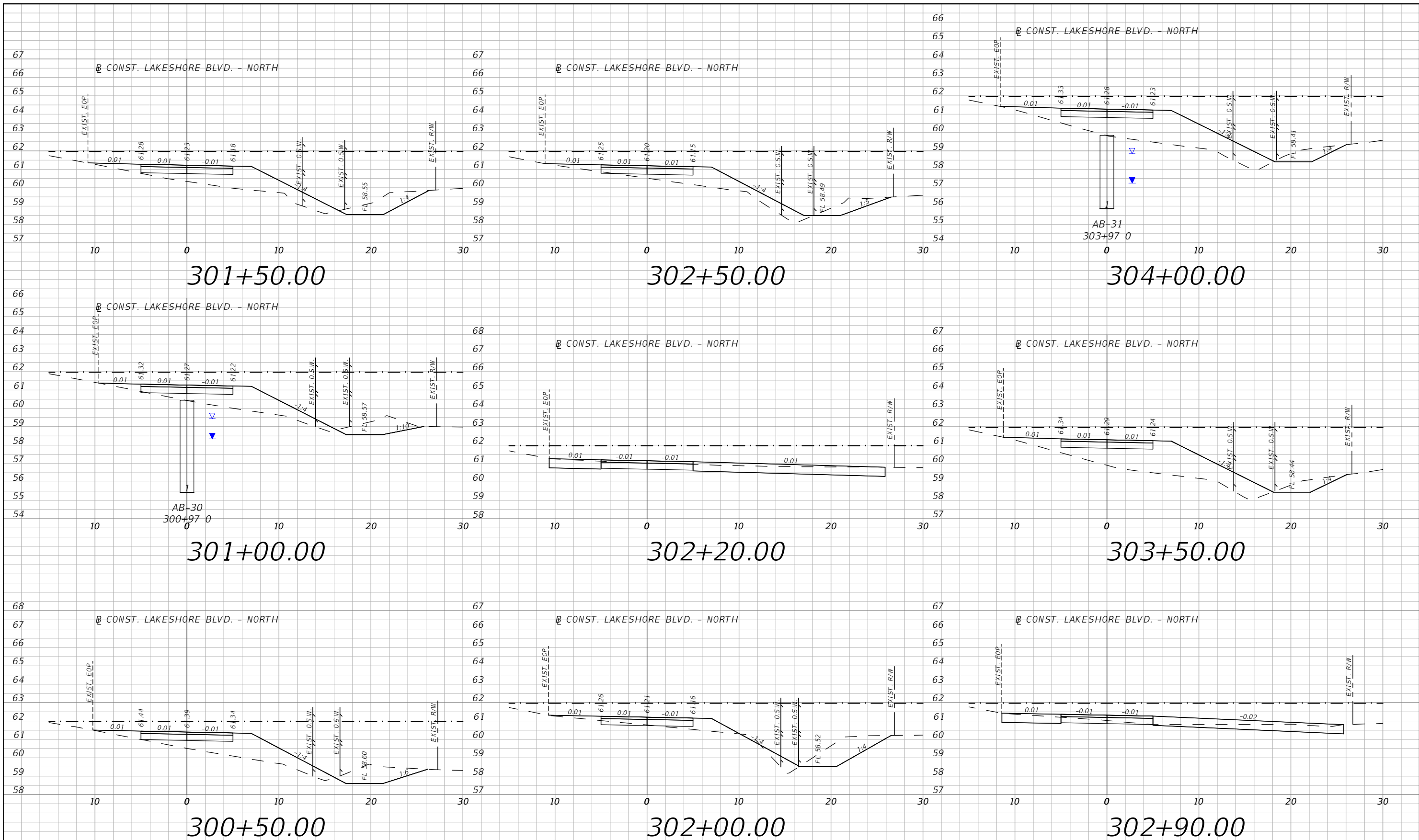


OSCEOLA COUNTY
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**FORTUNE RD - EAST
 CROSS SECTIONS 26**

SHEET
 NO.
 XS-42

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LEGEND
 - - - - FLOOD PLAIN

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

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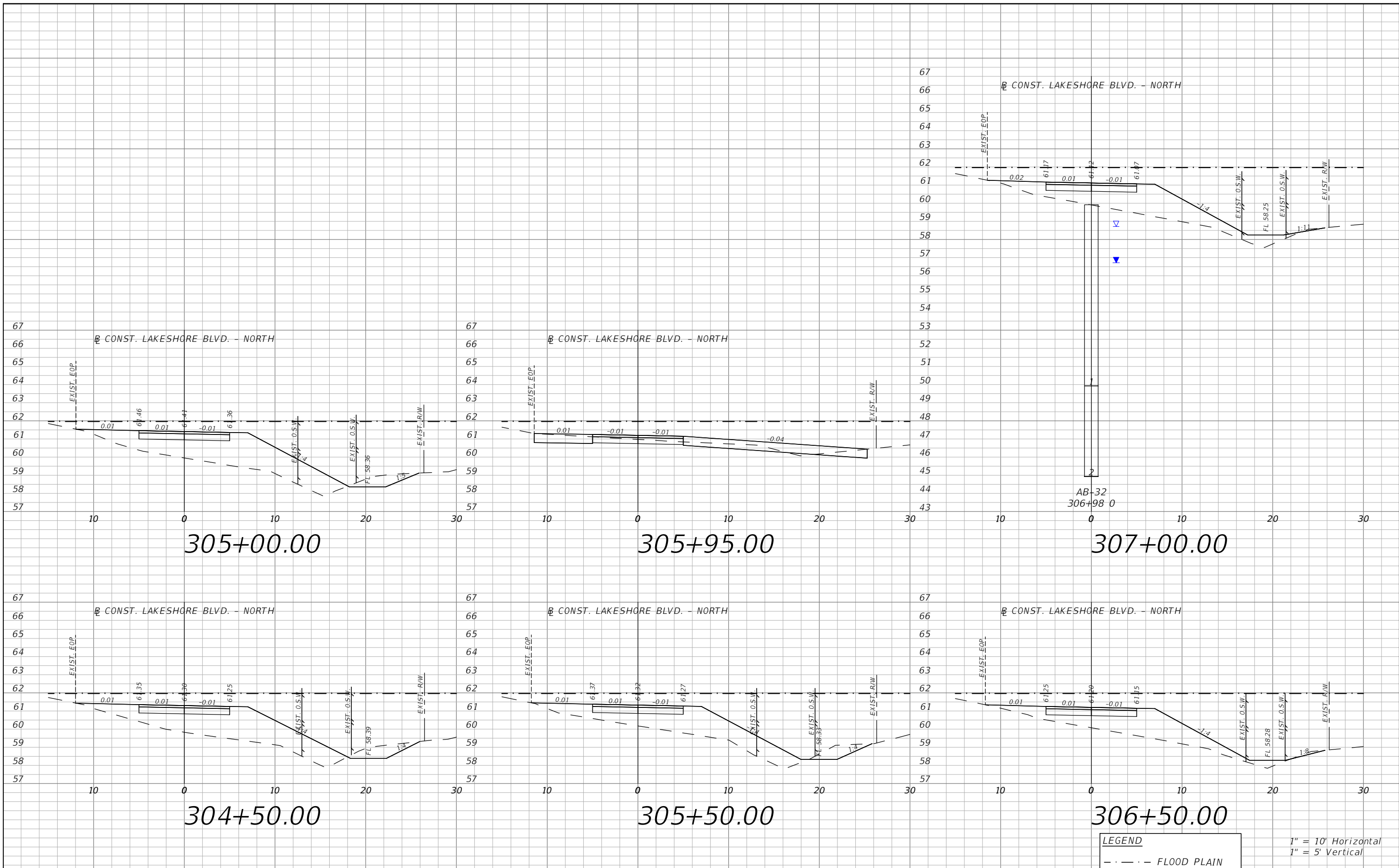


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E. LAKESHORE BLVD. - NORTH
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 XS-43

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LEGEND
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1" = 10' Horizontal
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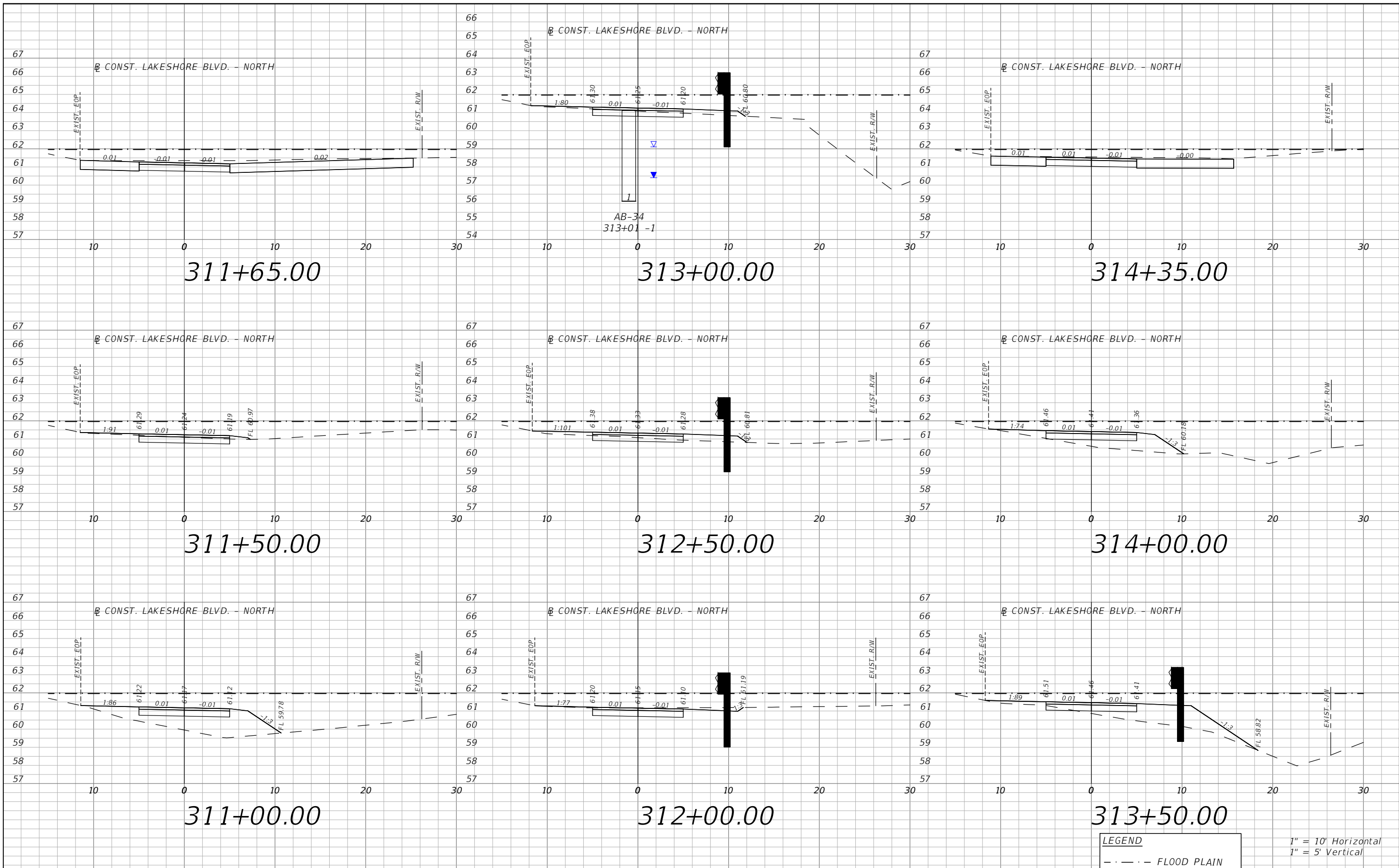


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E. LAKESHORE BLVD. - NORTH
 CROSS SECTIONS 02

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 XS-44

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LEGEND
 - - - - FLOOD PLAIN

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

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LEGEND
 - - - - FLOOD PLAIN

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

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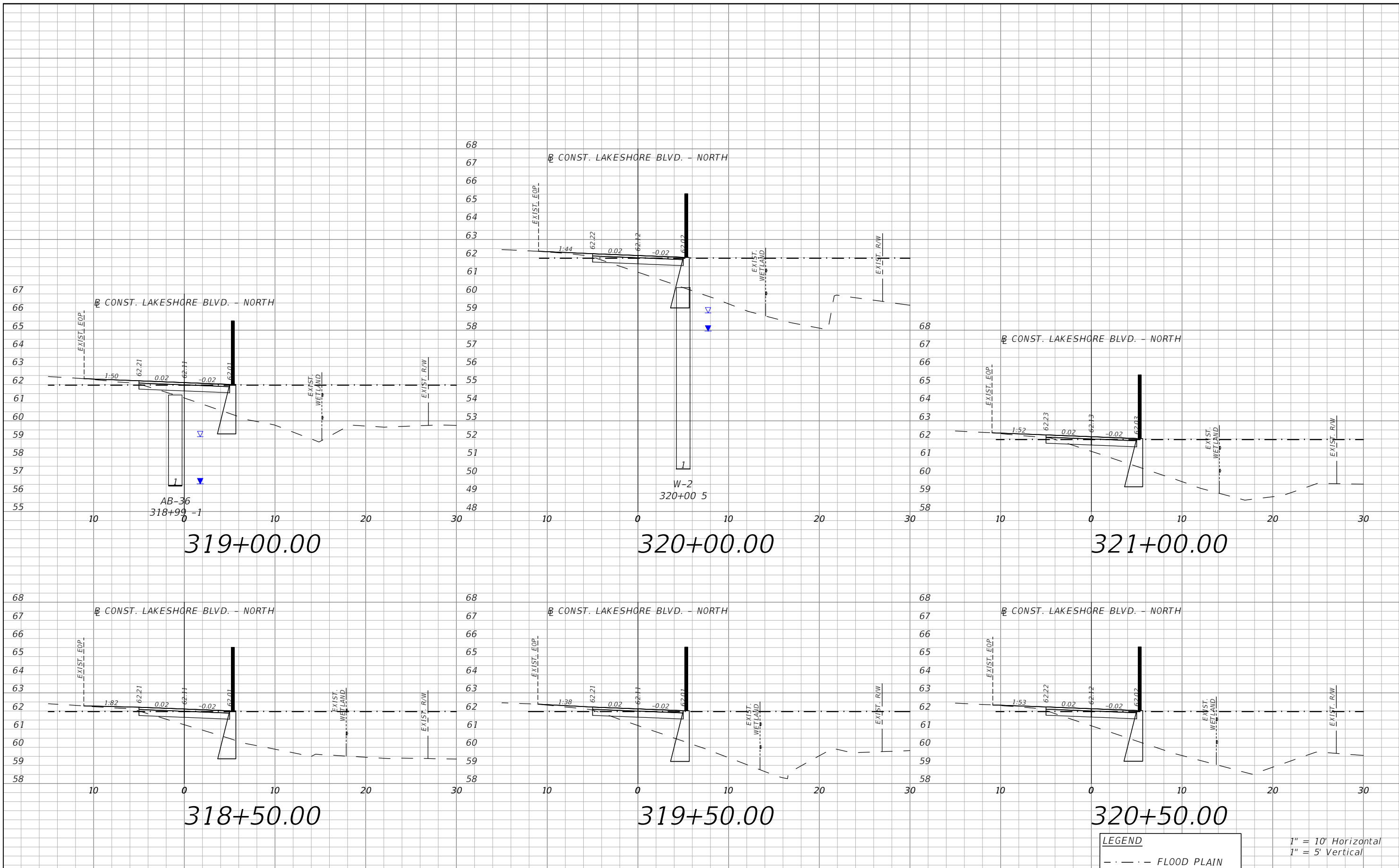


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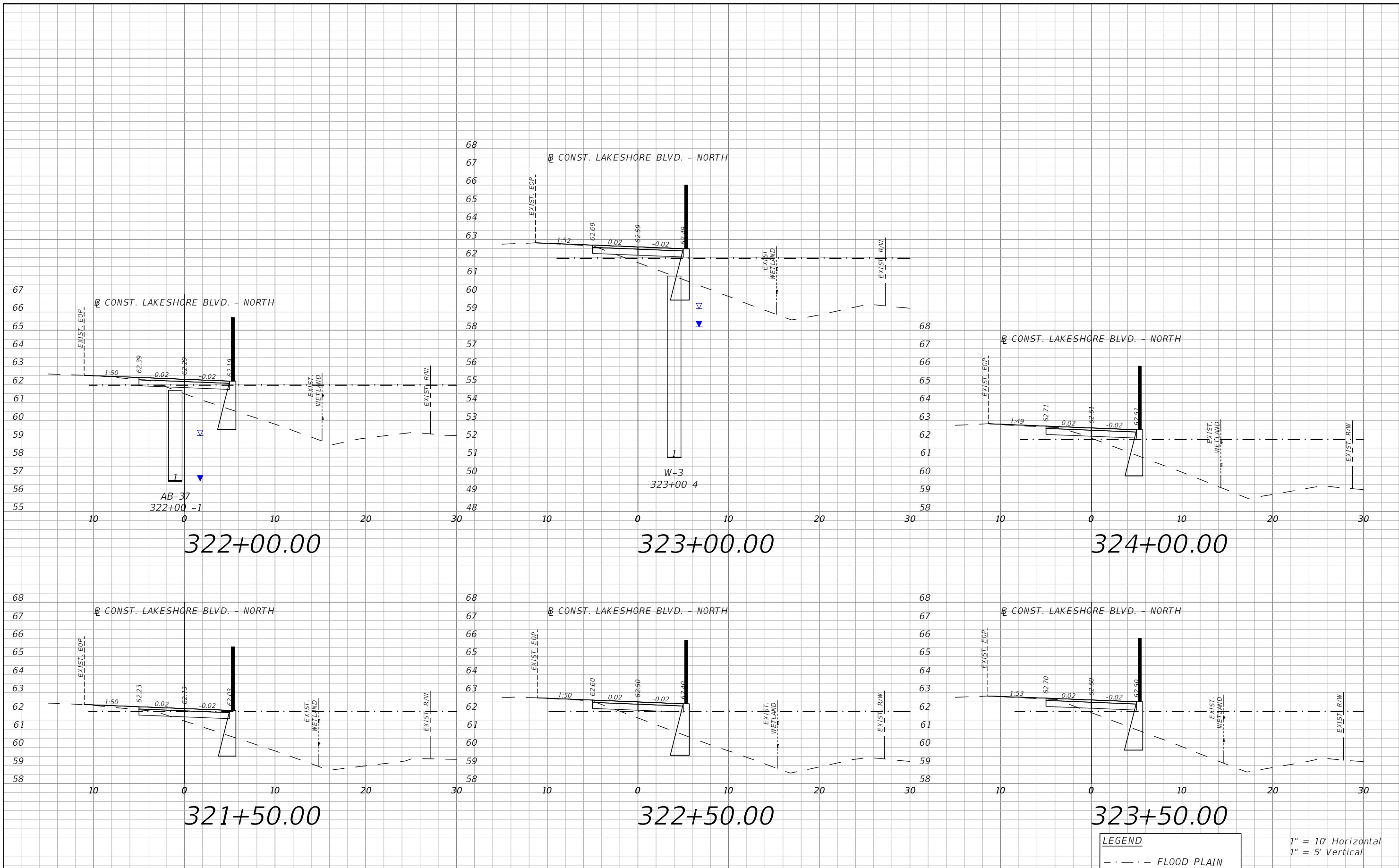


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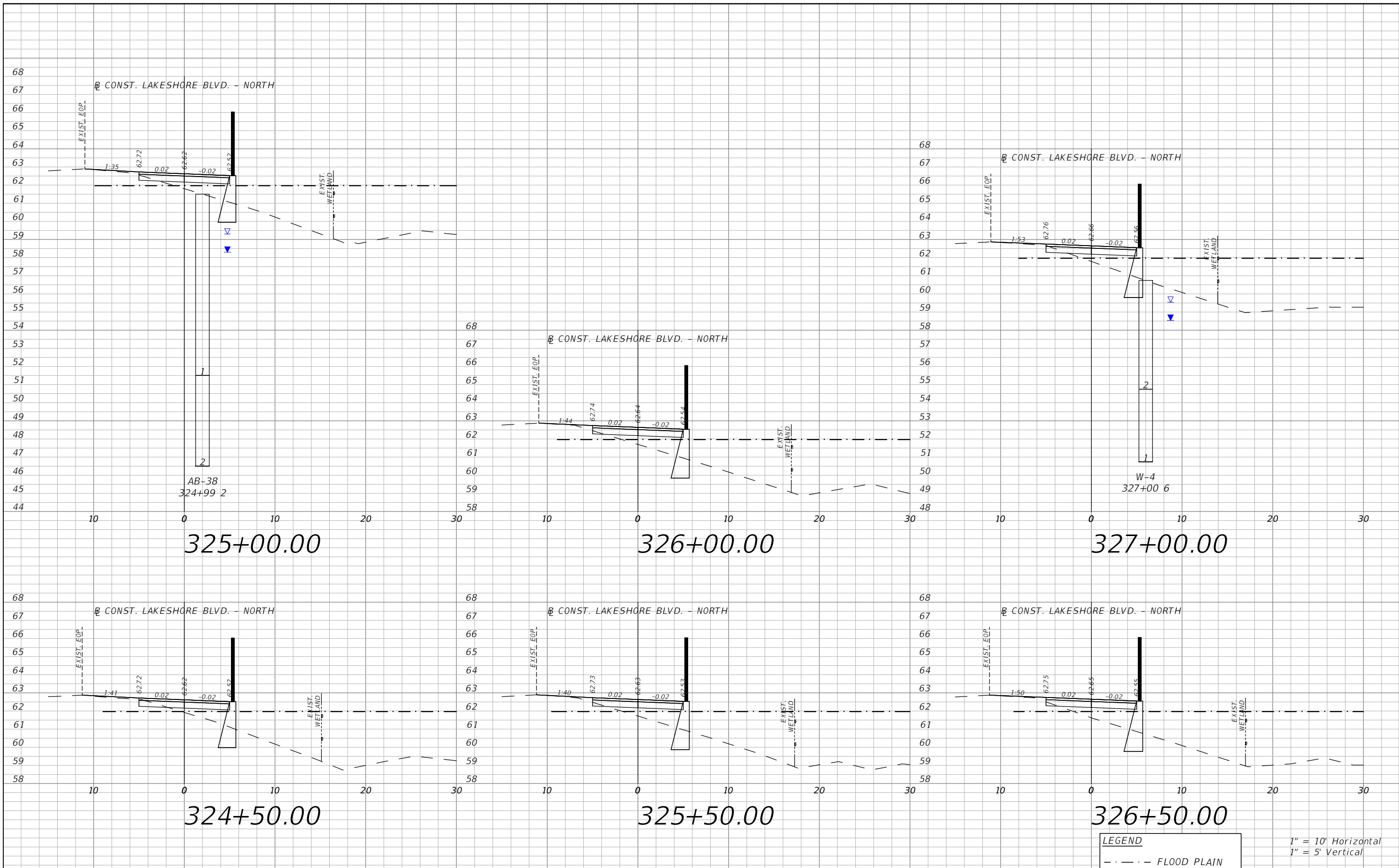


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CROSS SECTIONS 08

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XS-50

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LEGEND
 - - - - FLOOD PLAIN

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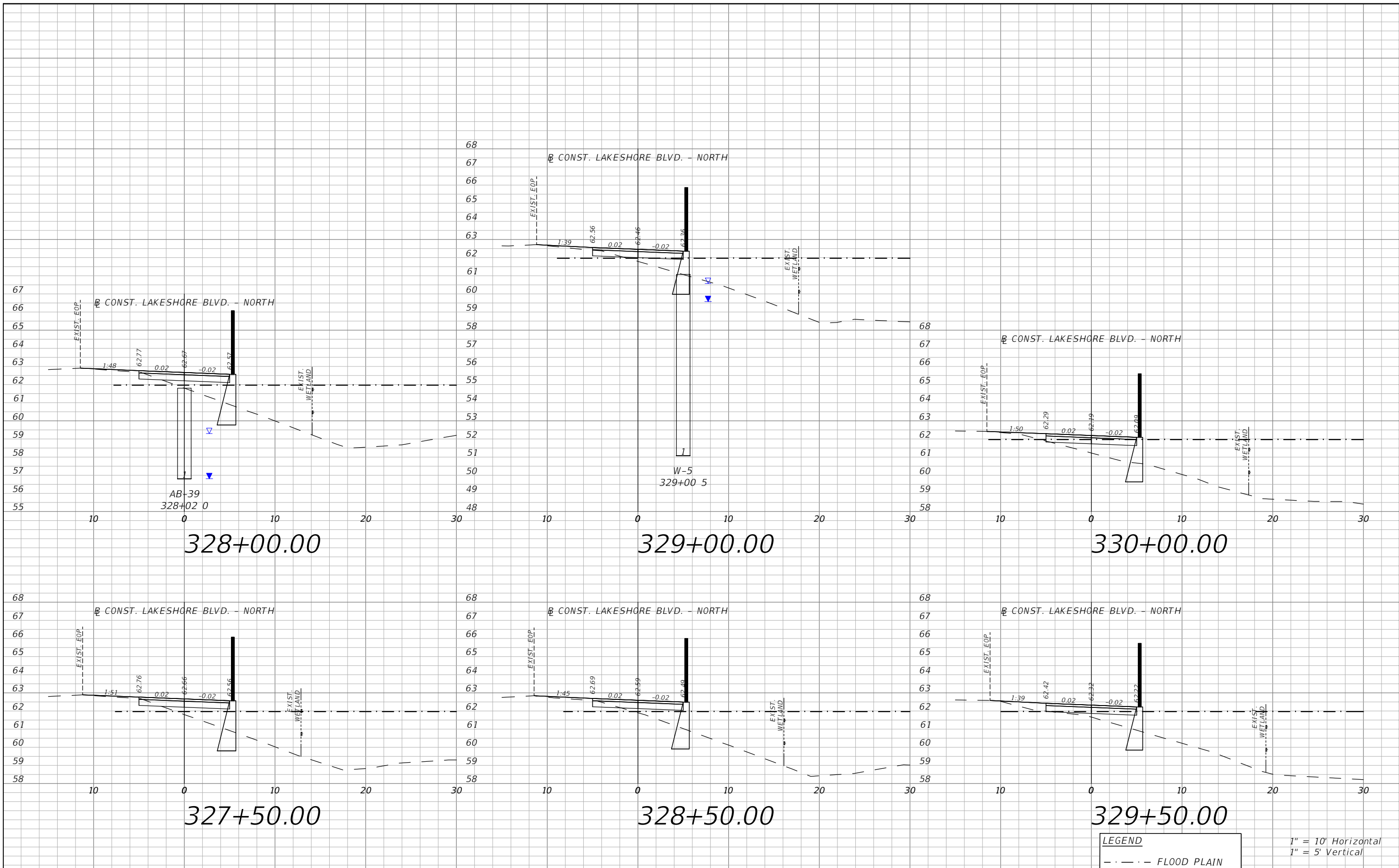


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**E. LAKESHORE BLVD. - NORTH
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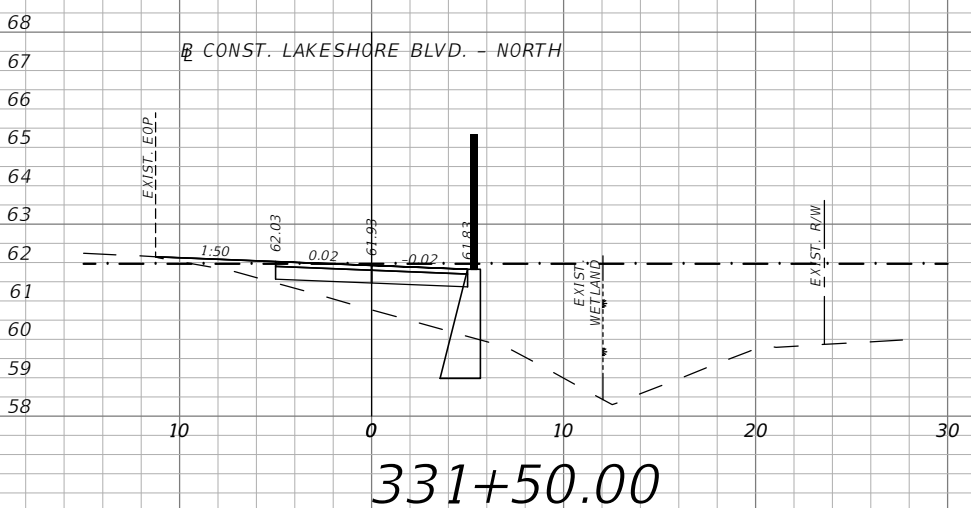
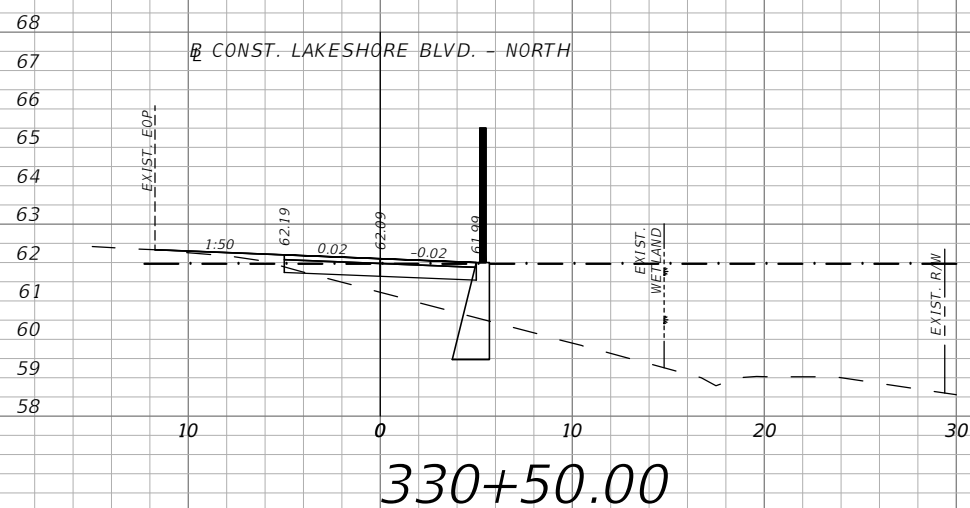
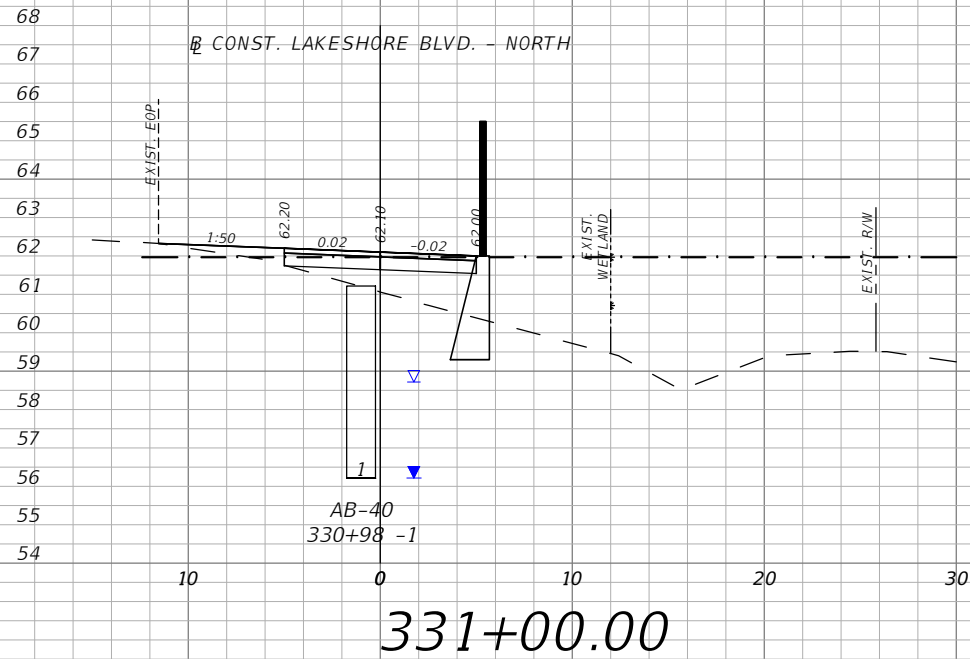

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E. LAKESHORE BLVD. - NORTH
 CROSS SECTIONS 10

SHEET
 NO.
 XS-52

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LEGEND
 - - - - FLOOD PLAIN

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 1" = 5' Vertical

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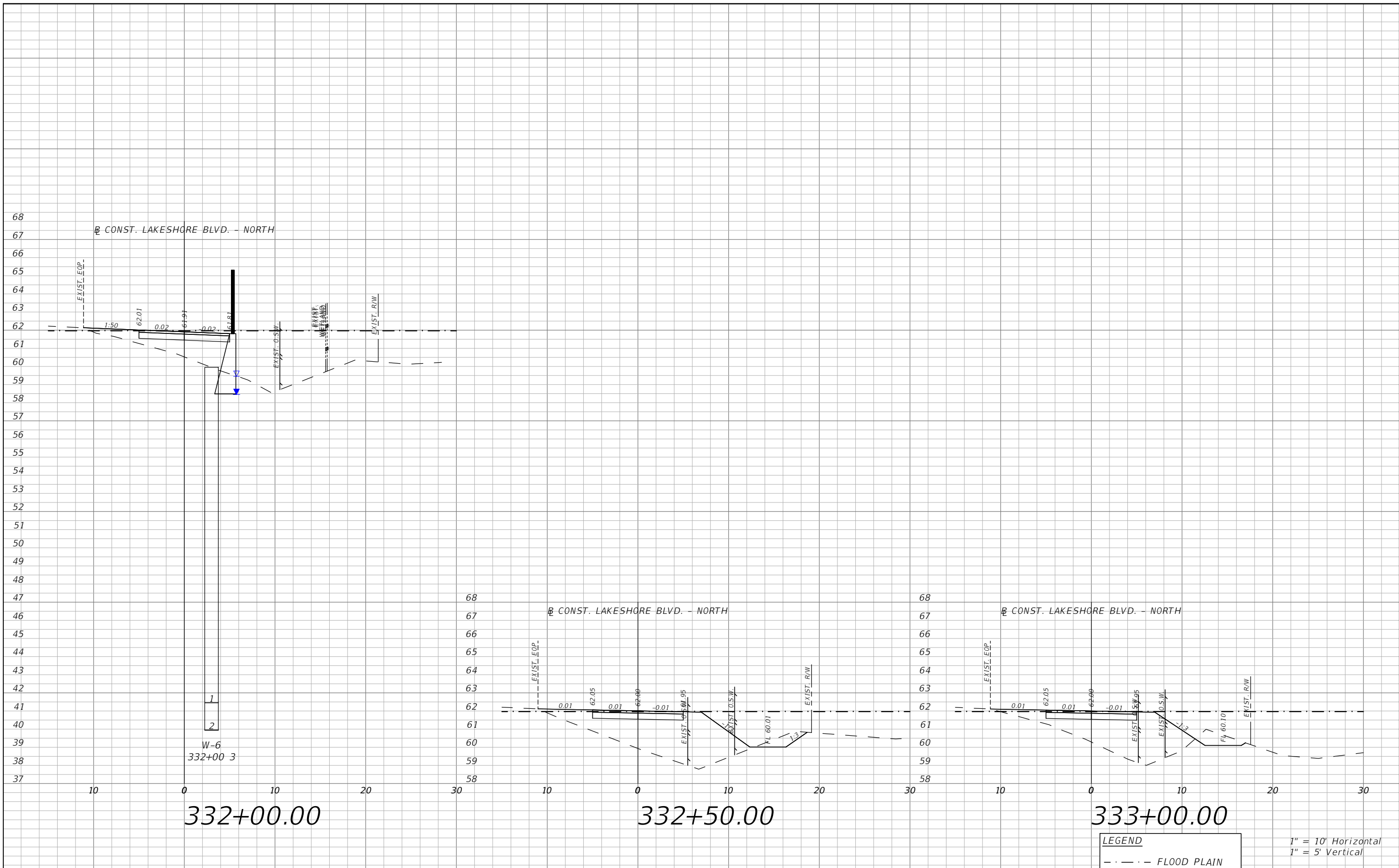


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**E. LAKESHORE BLVD. - NORTH
 CROSS SECTIONS 11**

SHEET
 NO.
 XS-53

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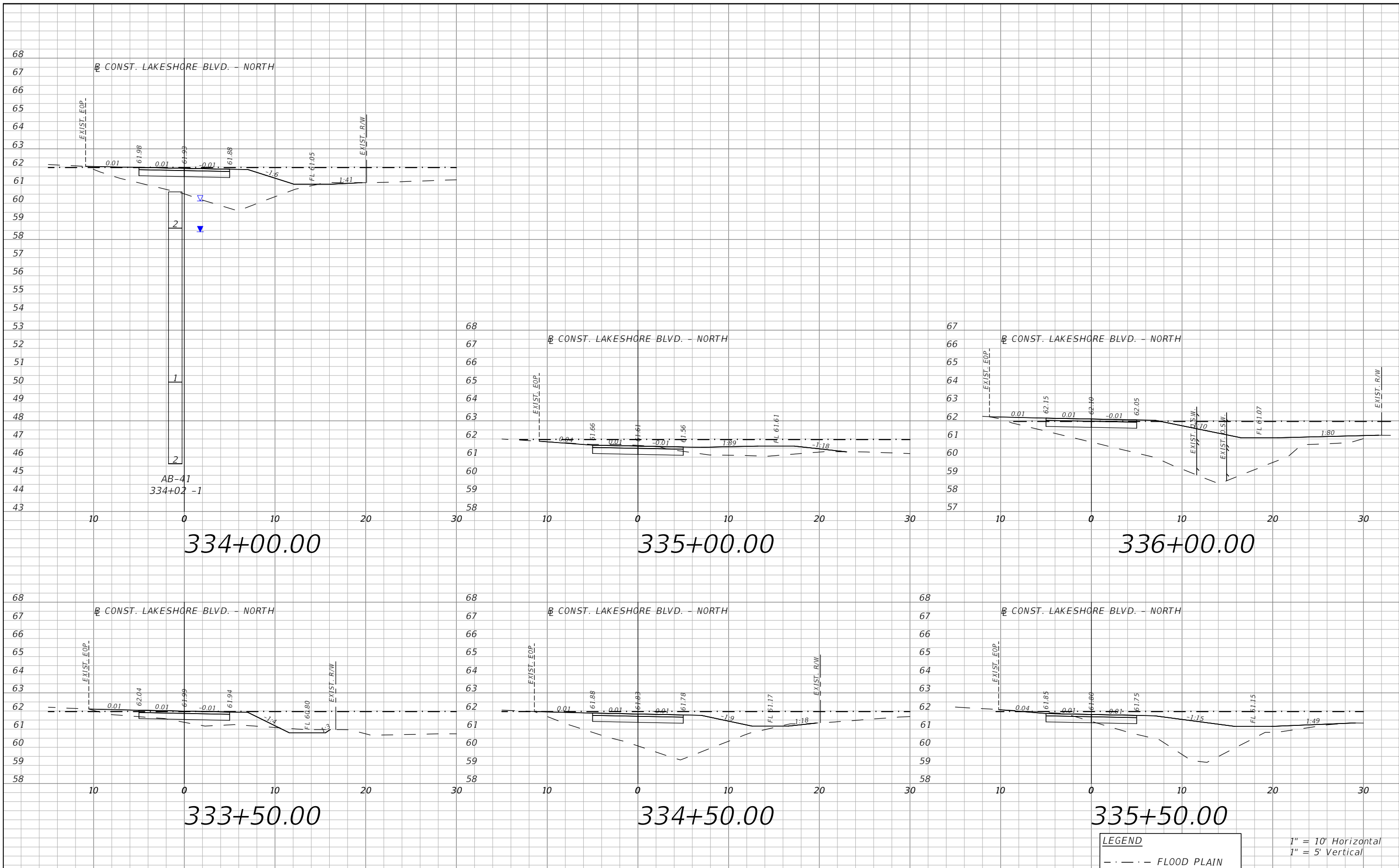


OSCEOLA COUNTY
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**E. LAKESHORE BLVD. - NORTH
CROSS SECTIONS 12**

SHEET NO.
XS-54

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LEGEND
 - - - - FLOOD PLAIN

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

REVISIONS			
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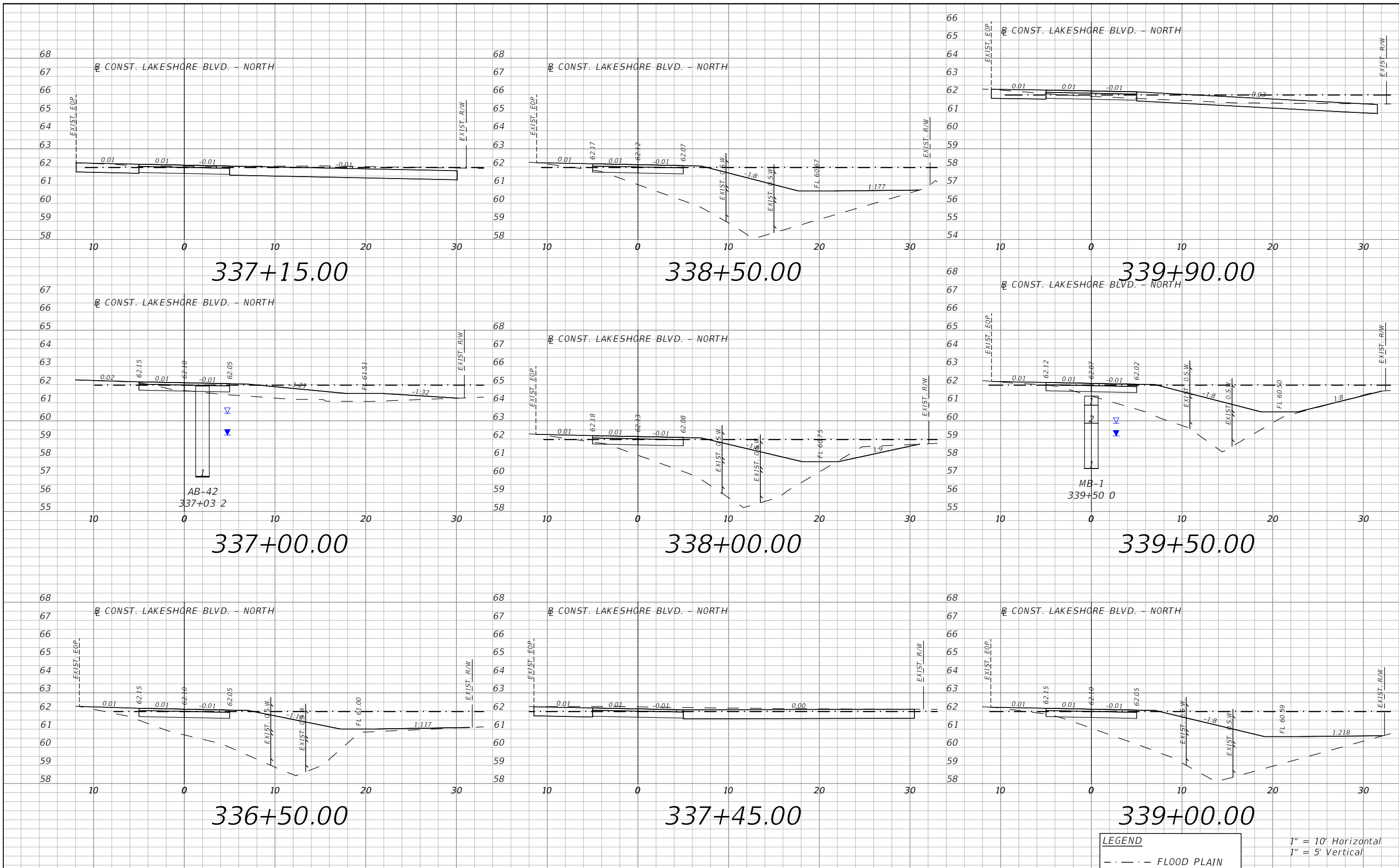


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 CROSS SECTIONS 13

SHEET NO.
 XS-55

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LEGEND
 - - - - FLOOD PLAIN

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

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 PE # 63437

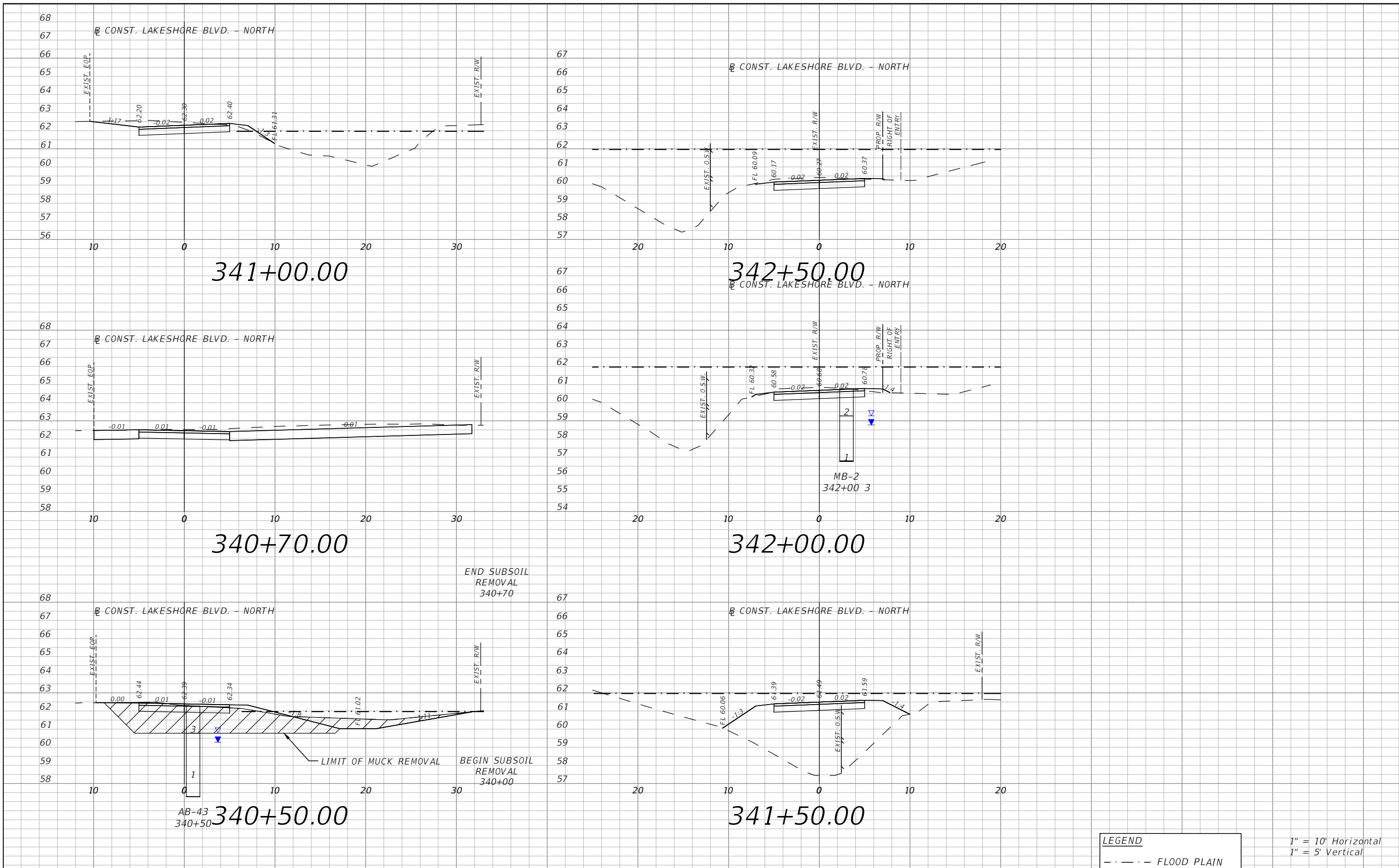


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 CROSS SECTIONS 14

SHEET NO.
 XS-56

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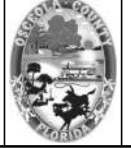
LEGEND
 - - - - FLOOD PLAIN

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

REVISIONS			
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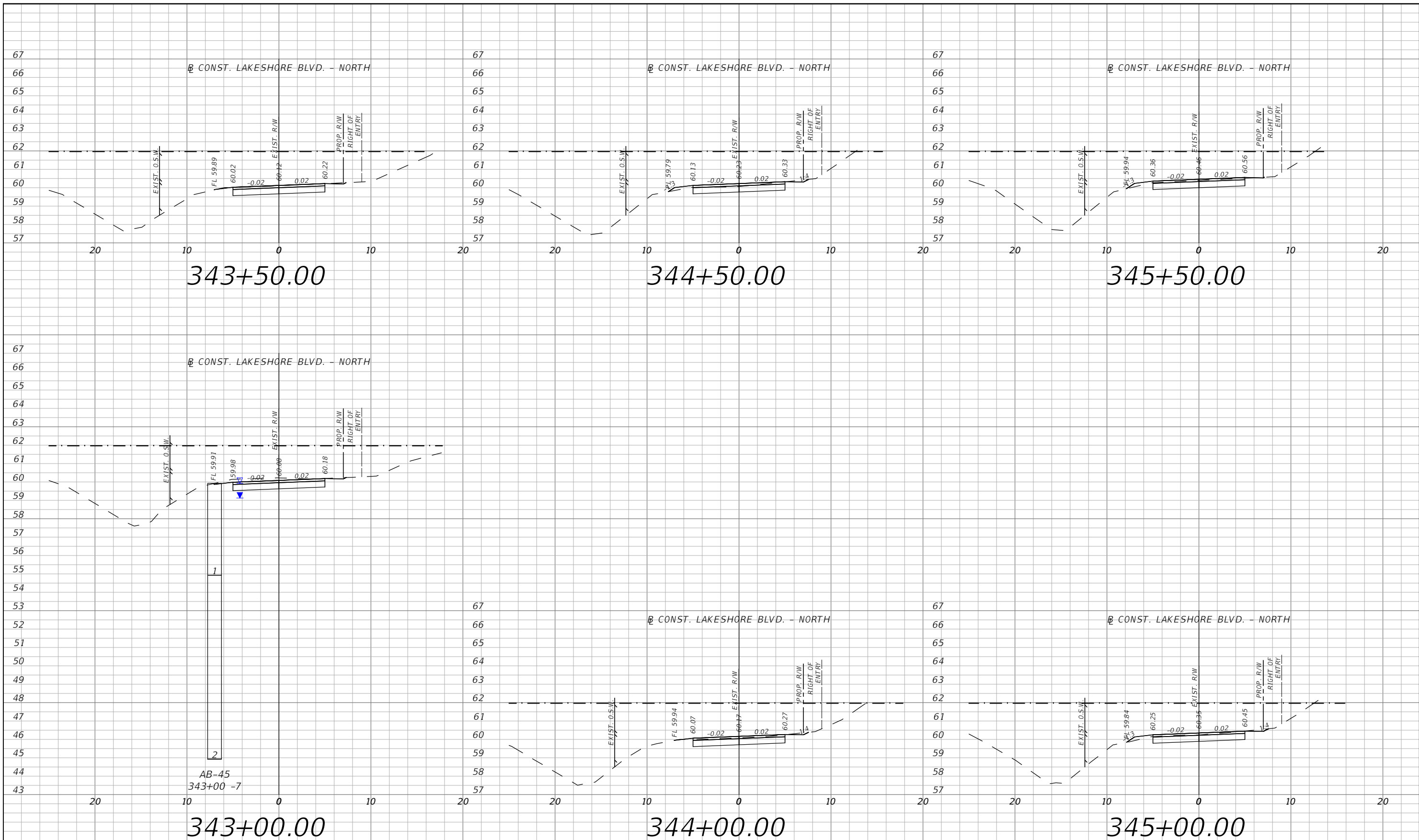


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CROSS SECTIONS 15

SHEET NO.
 XS-57

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343+00.00

343+50.00

344+00.00

344+50.00

345+00.00

345+50.00

LEGEND
 - - - - FLOOD PLAIN

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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

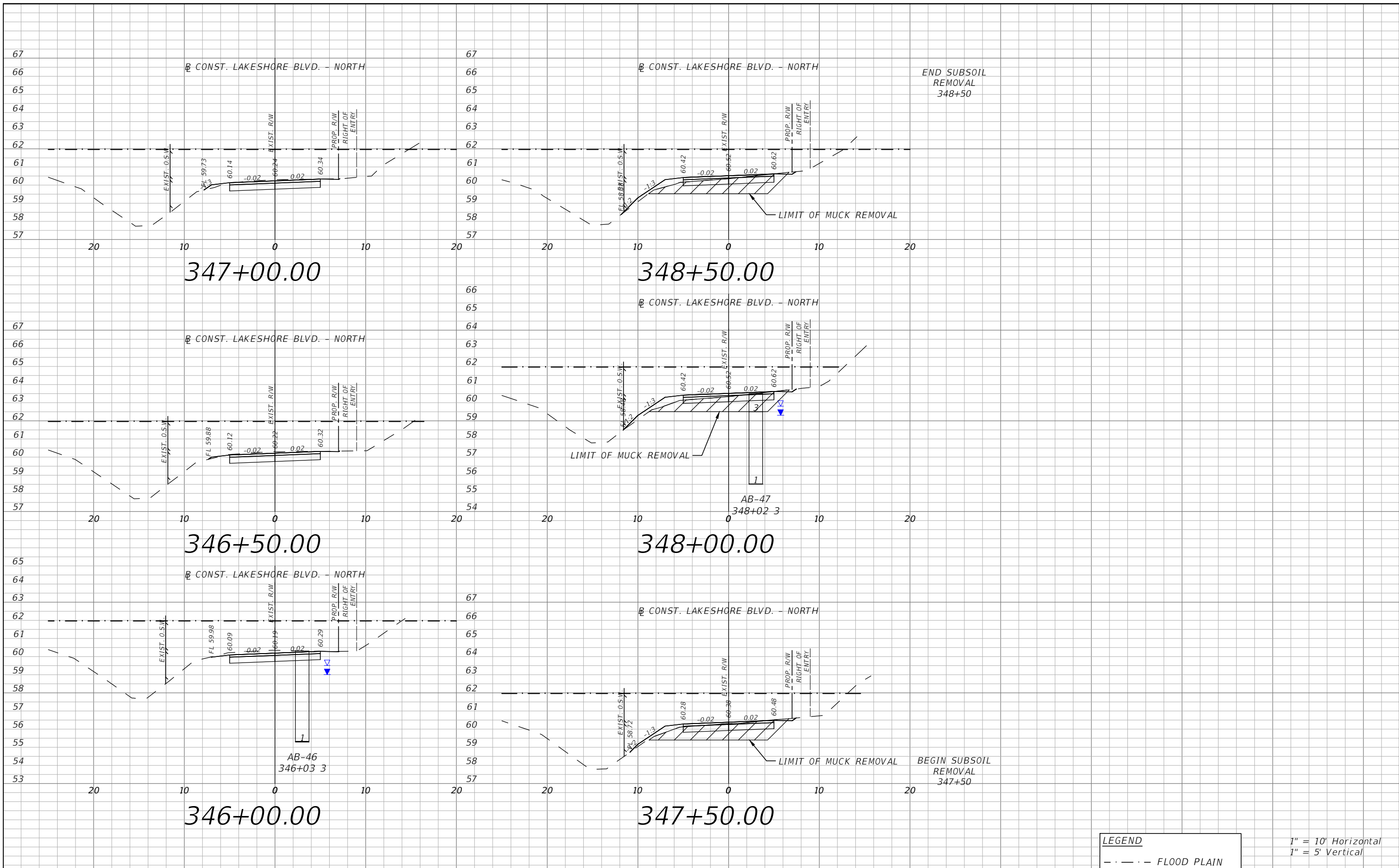


OSCEOLA COUNTY
 FLORIDA

E. LAKESHORE BLVD. - NORTH
 CROSS SECTIONS 16

SHEET
 NO.
 XS-58

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LEGEND
 - - - - FLOOD PLAIN

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

REVISIONS			
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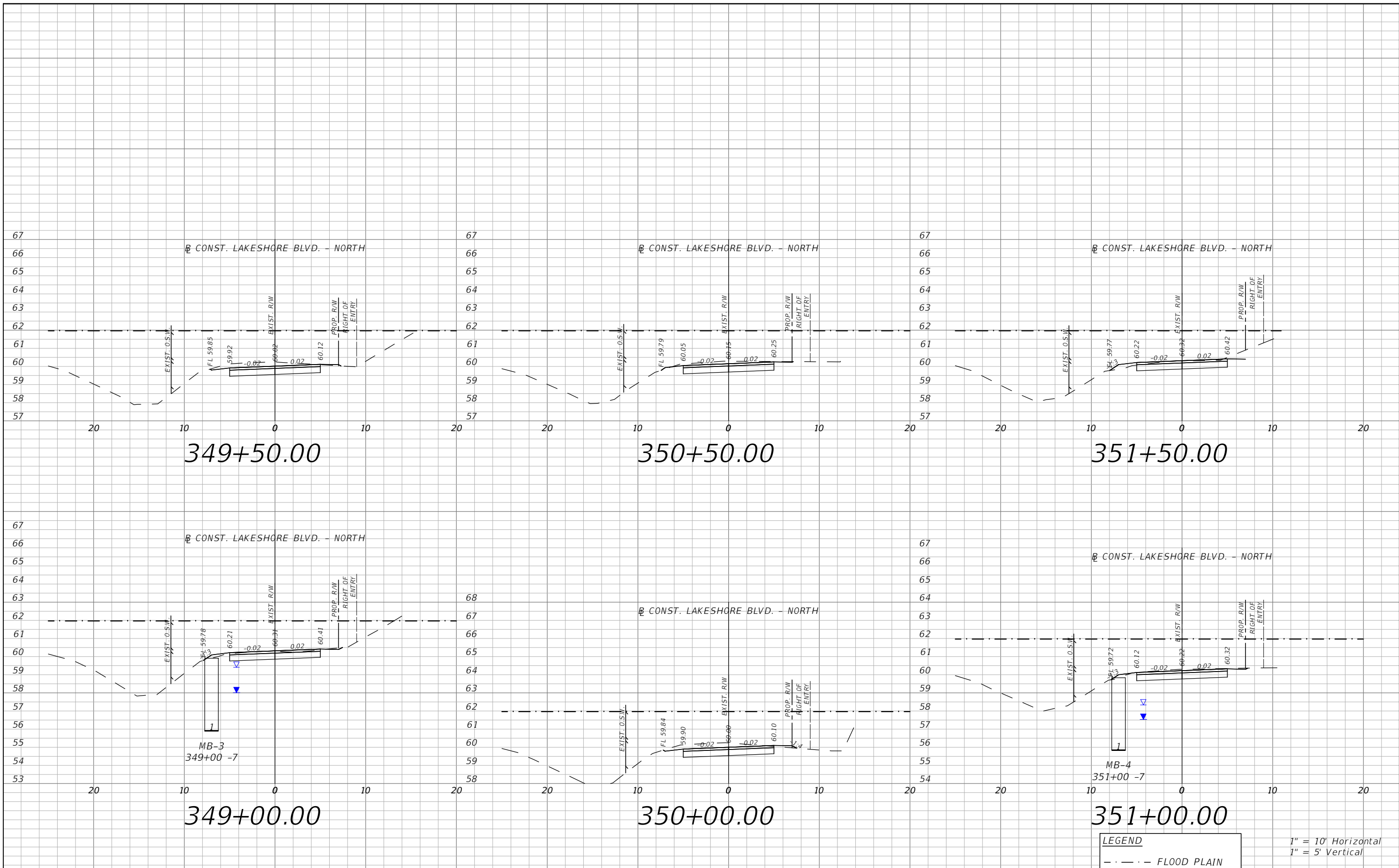


OSCEOLA COUNTY
 FLORIDA

**E. LAKESHORE BLVD. - NORTH
 CROSS SECTIONS 17**

SHEET
 NO.
 XS-59

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LEGEND
 - - - - FLOOD PLAIN

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

REVISIONS			
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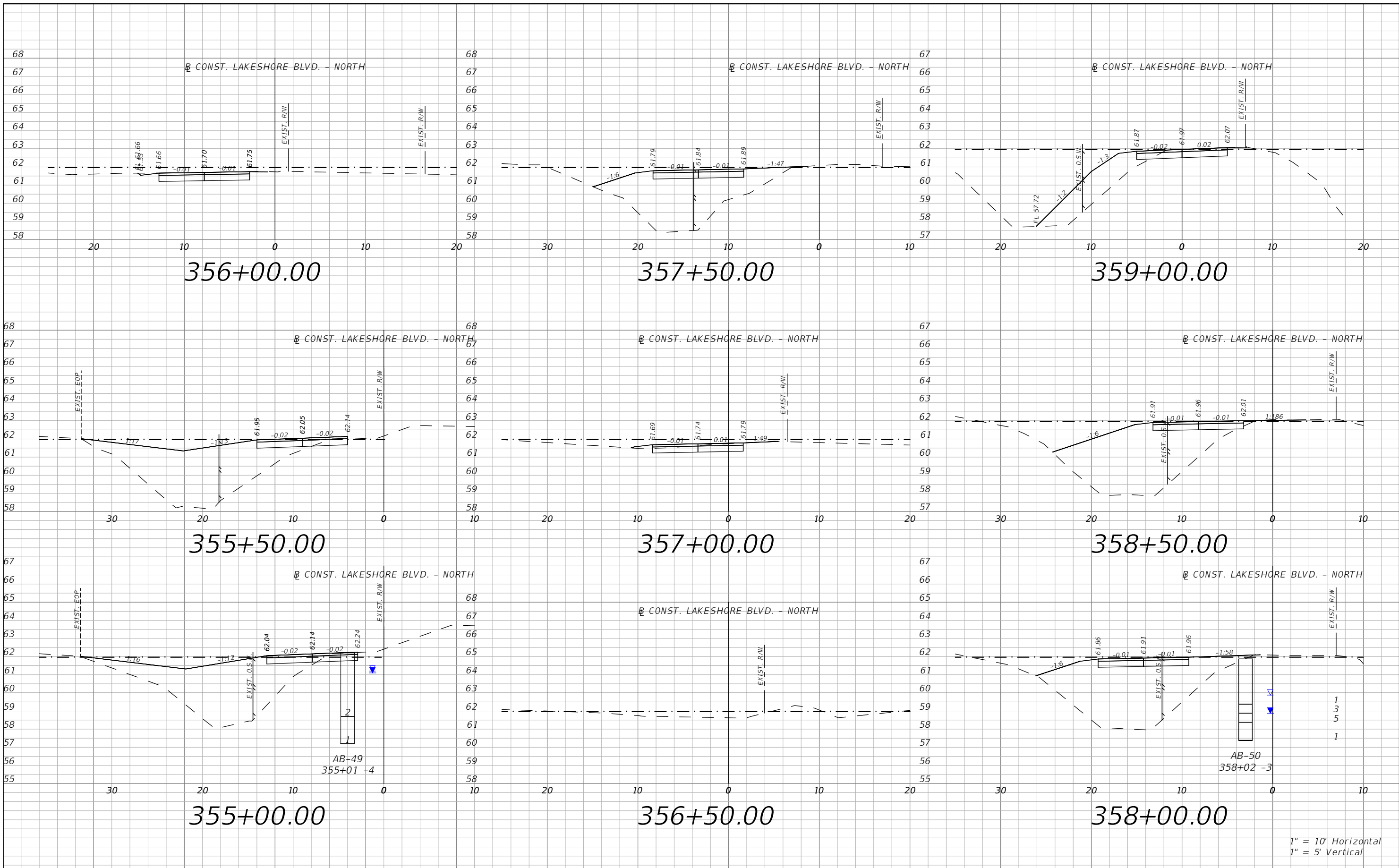


OSCEOLA COUNTY
 FLORIDA

E. LAKESHORE BLVD. - NORTH
CROSS SECTIONS 18

SHEET NO.
 XS-60

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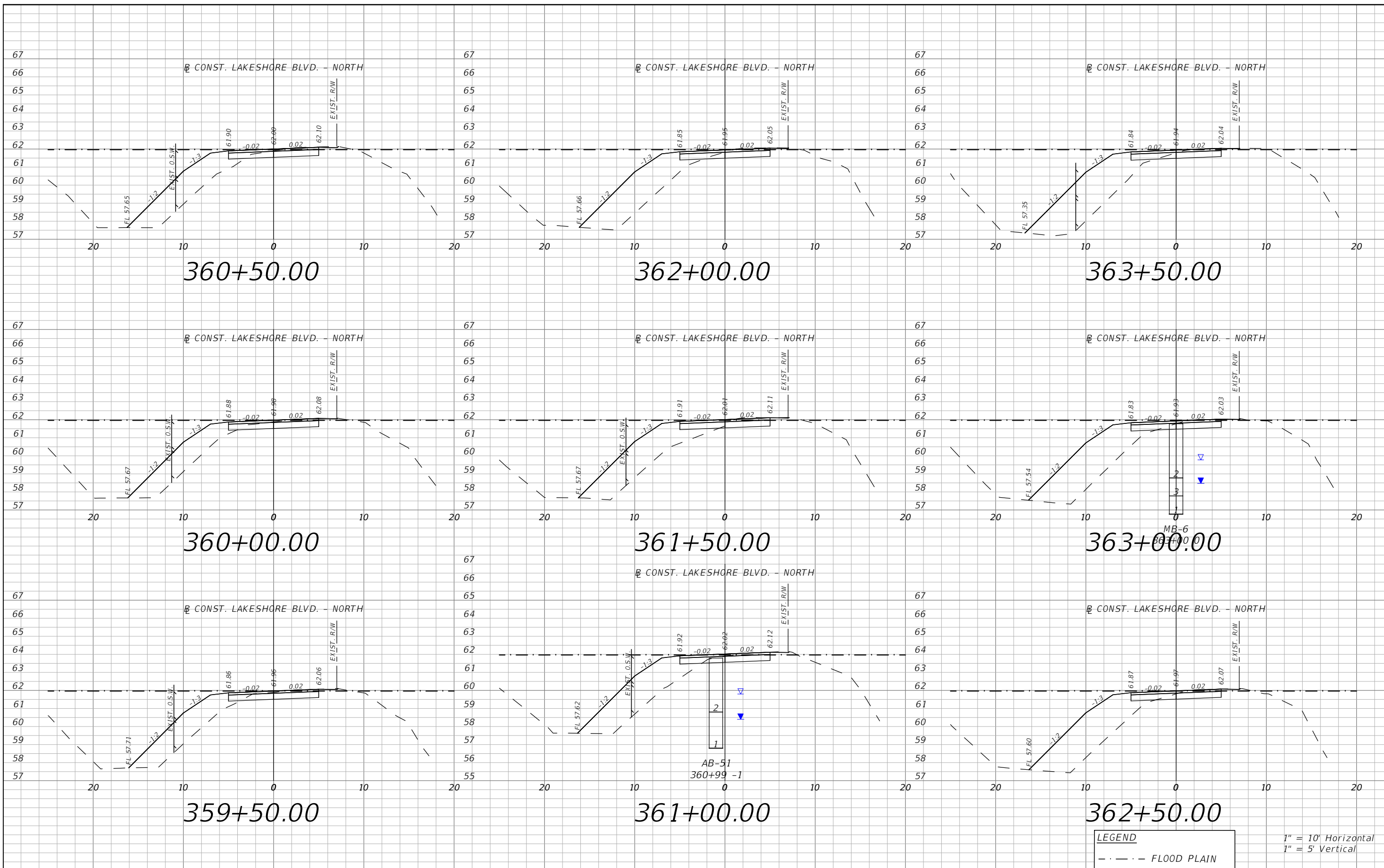


OSCEOLA COUNTY
FLORIDA

E. LAKESHORE BLVD. - NORTH
CROSS SECTIONS 20

SHEET
NO.
XS-62

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PE # 63437

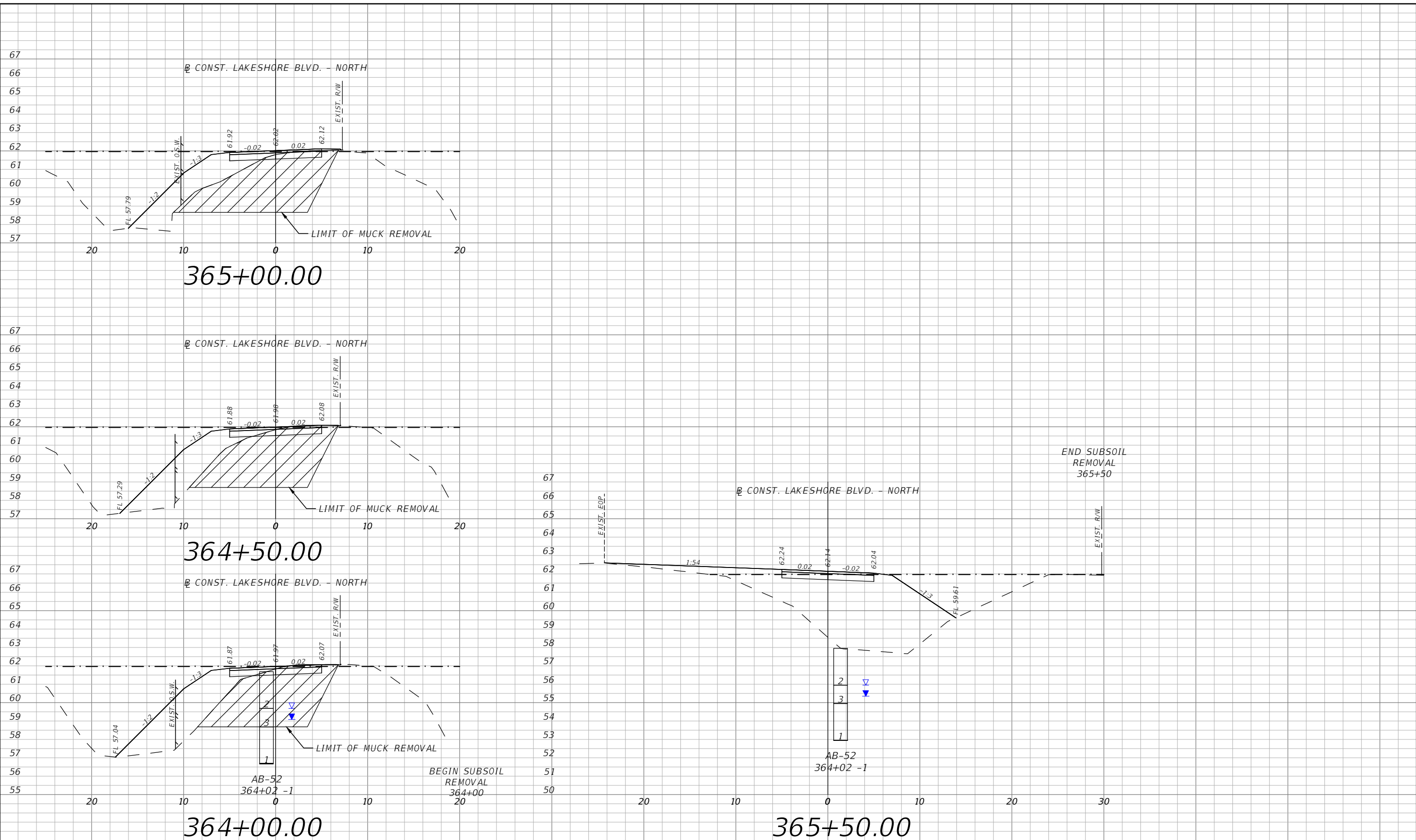


OSCEOLA COUNTY
FLORIDA

E. LAKESHORE BLVD. - NORTH
CROSS SECTIONS 21

SHEET
NO.
XS-63

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LEGEND
 - - - - FLOOD PLAIN

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 PE # 63437

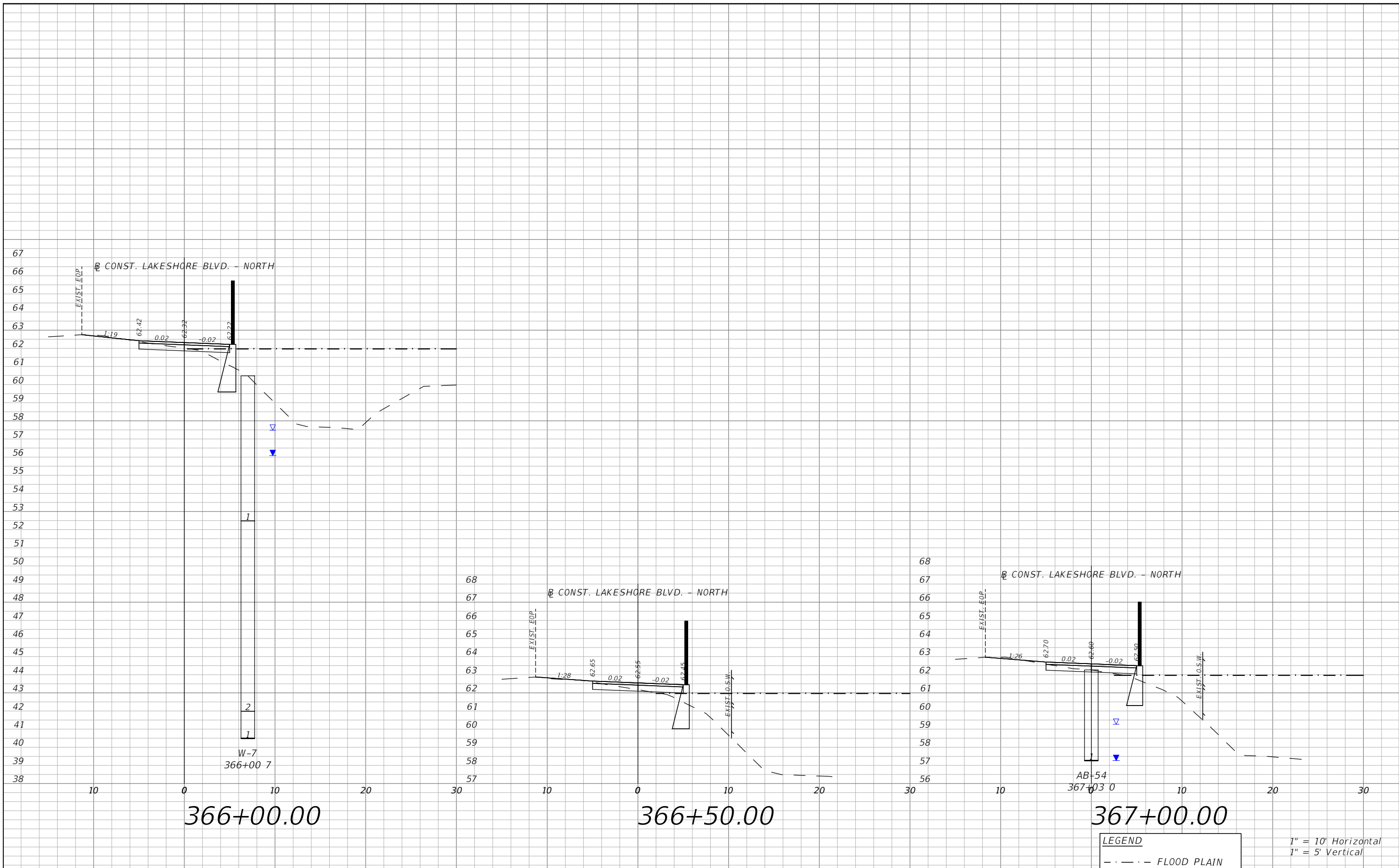


OSCEOLA COUNTY
 FLORIDA

**E. LAKESHORE BLVD. - NORTH
 CROSS SECTIONS 22**

SHEET
 NO.
 XS-64

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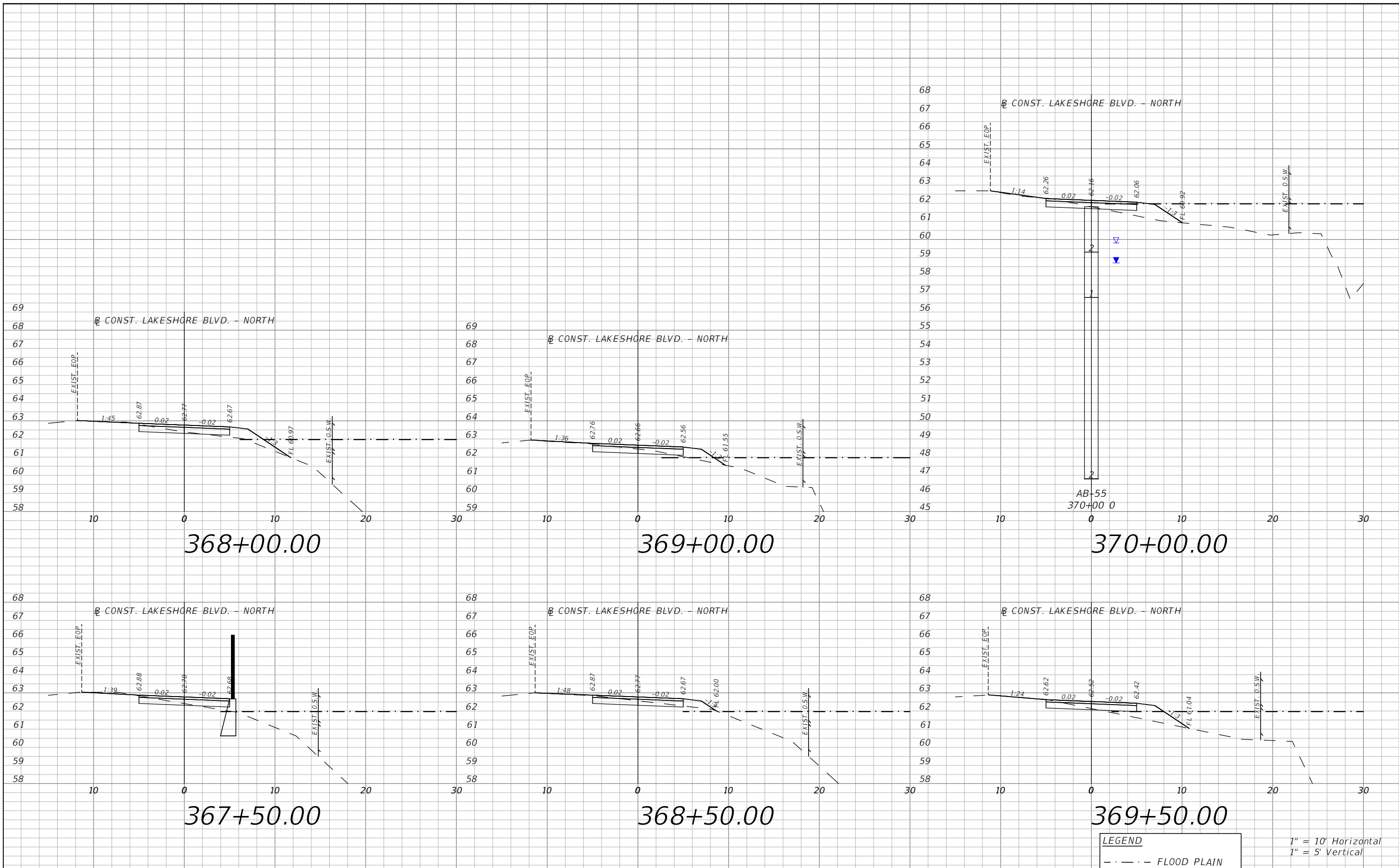


OSCEOLA COUNTY
FLORIDA

E. LAKESHORE BLVD. - NORTH
CROSS SECTIONS 23

SHEET NO.
XS-65

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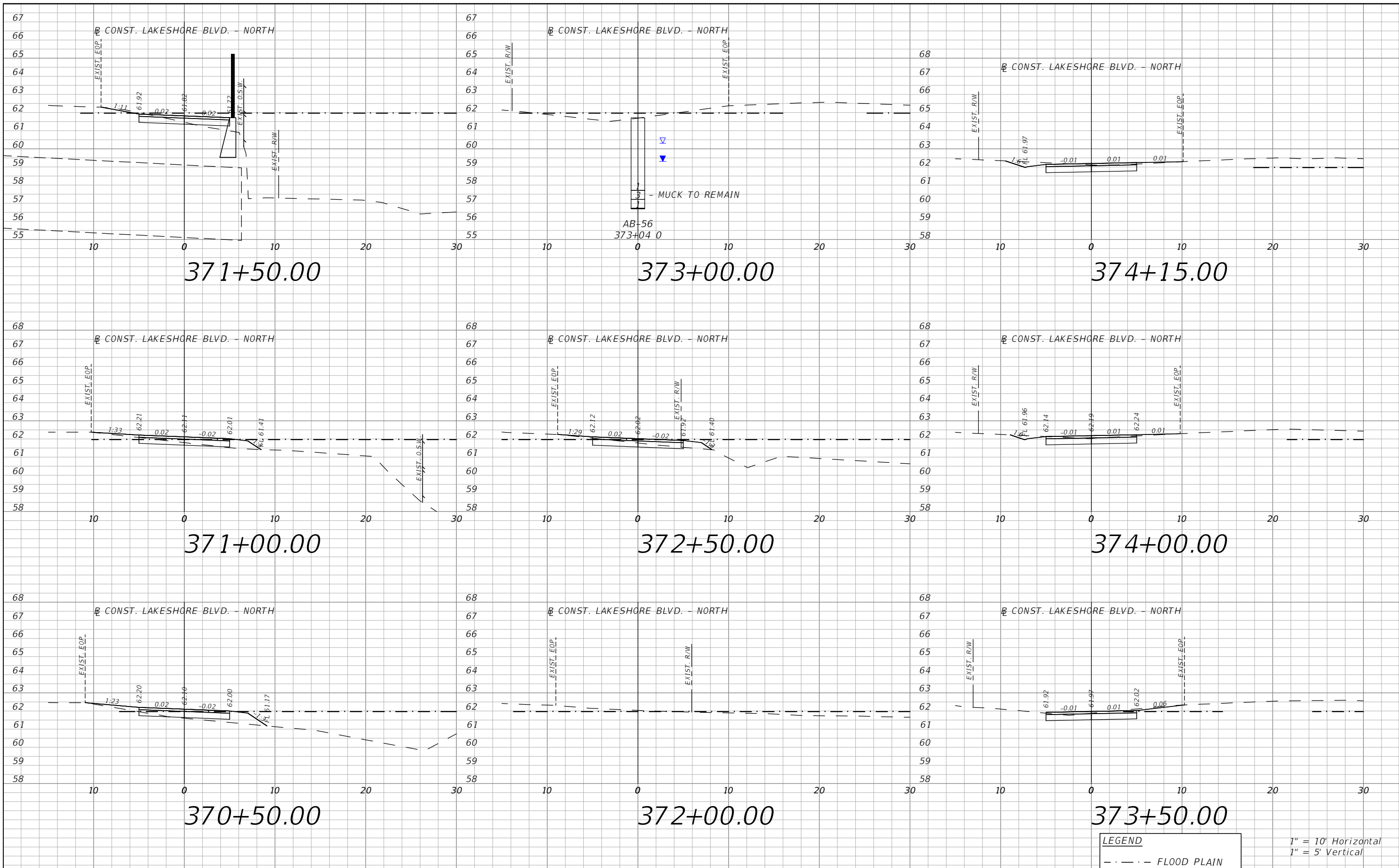


OSCEOLA COUNTY
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E. LAKESHORE BLVD. - NORTH
CROSS SECTIONS 24

SHEET
 NO.
XS-66

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 PE # 63437

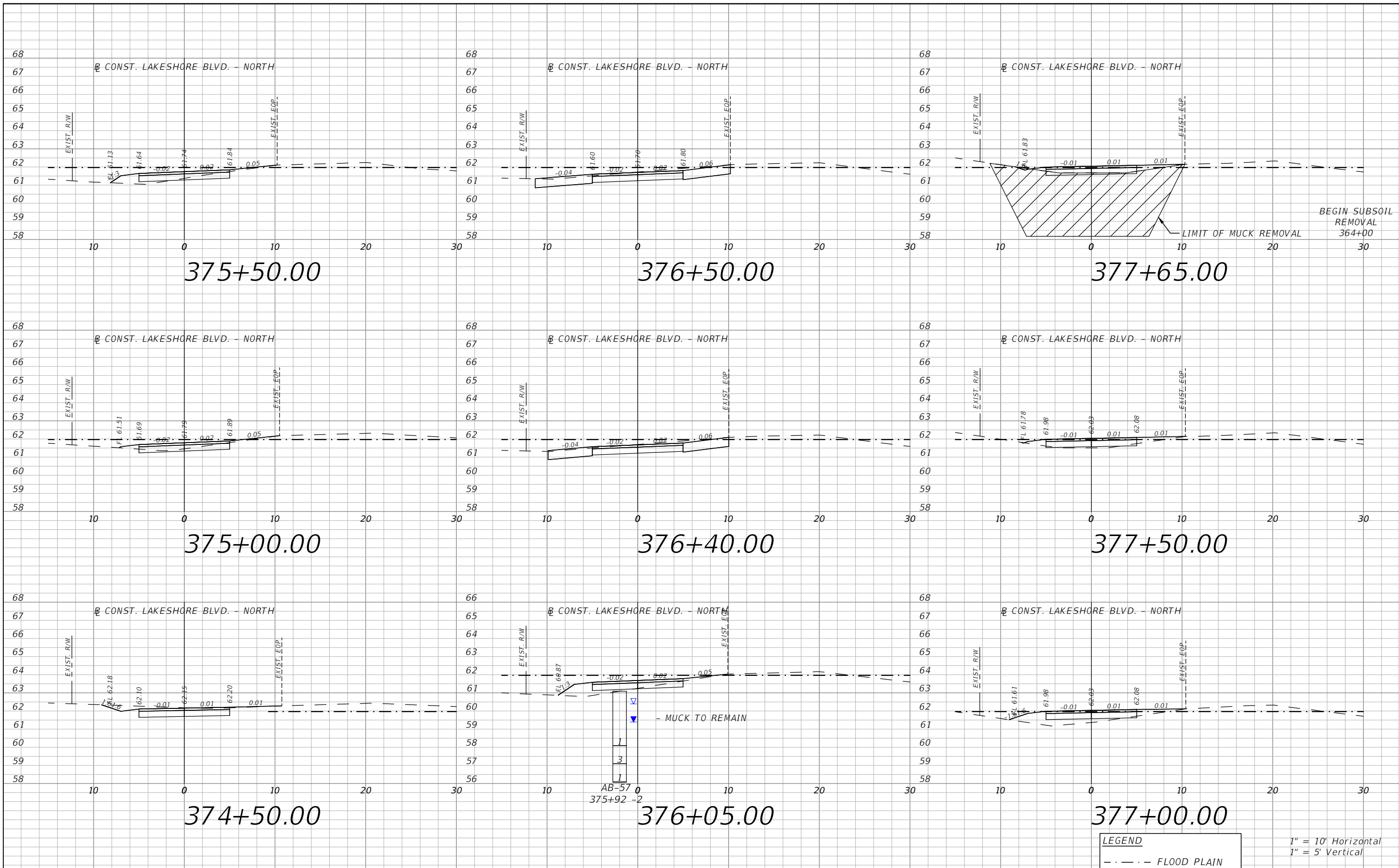


OSCEOLA COUNTY
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E. LAKESHORE BLVD. - NORTH
CROSS SECTIONS 25

SHEET
 NO.
XS-67

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BEGIN SUBSOIL REMOVAL
364+00

LIMIT OF MUCK REMOVAL

AB-57
375+92 -2
- MUCK TO REMAIN

LEGEND
- - - - FLOOD PLAIN

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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PE # 63437

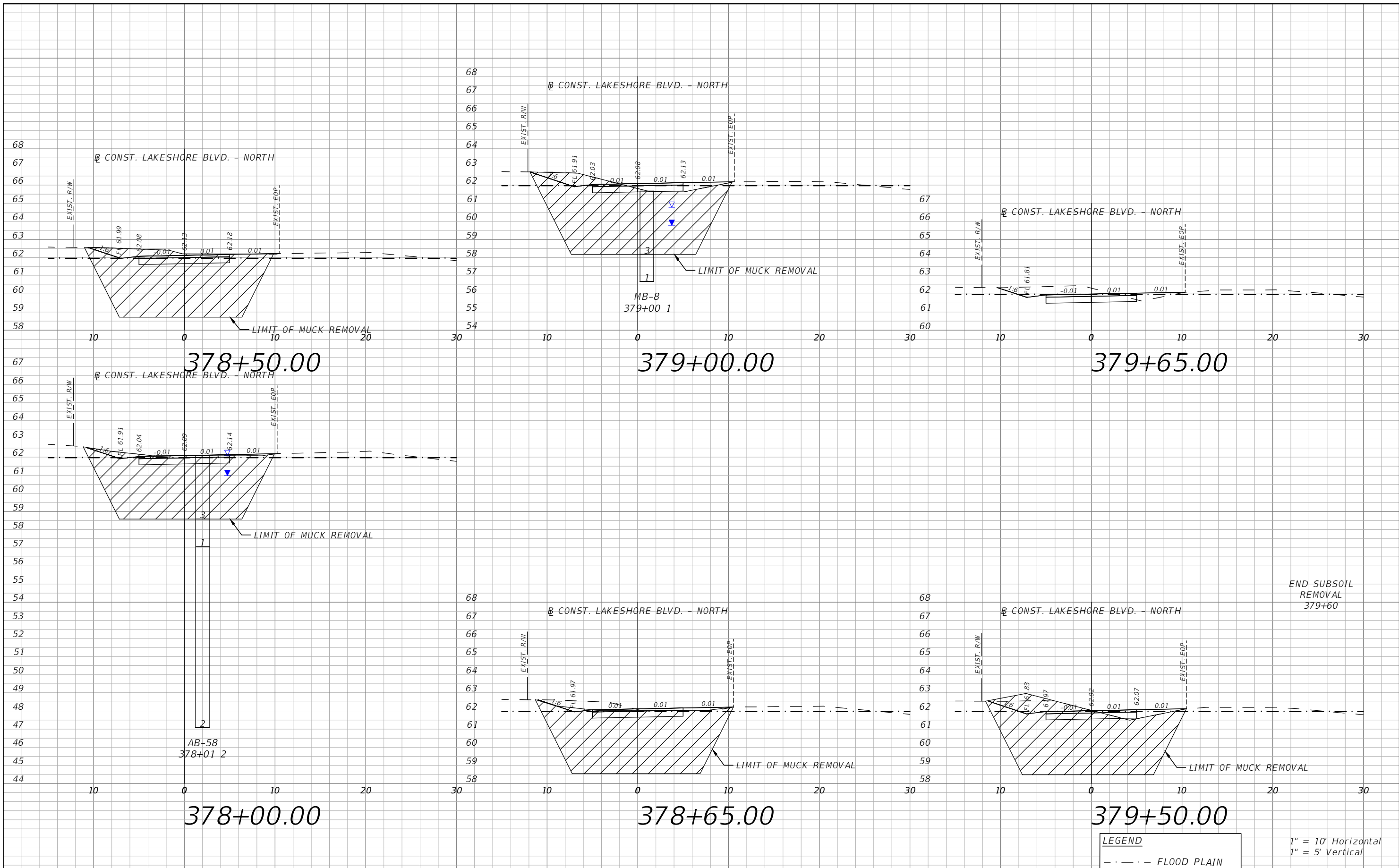


OSCEOLA COUNTY
FLORIDA

E. LAKESHORE BLVD. - NORTH
CROSS SECTIONS 26

SHEET NO.
XS-68

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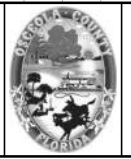
END SUBSOIL
REMOVAL
379+60

LEGEND
- - - - FLOOD PLAIN

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

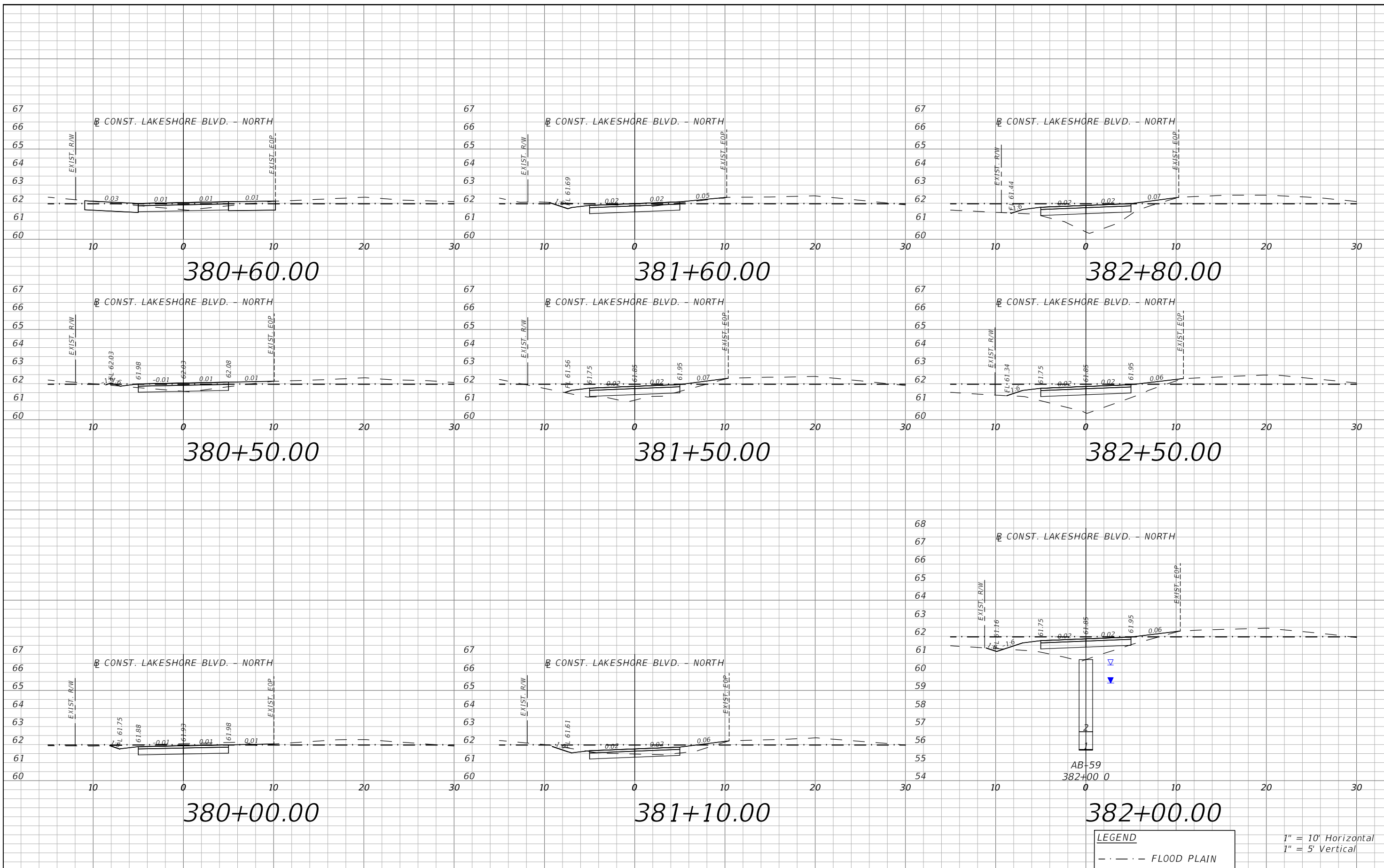


OSCEOLA COUNTY
FLORIDA

E. LAKESHORE BLVD. - NORTH
CROSS SECTIONS 27

SHEET
NO.
XS-69

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LEGEND
 - - - - FLOOD PLAIN

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

REVISIONS			
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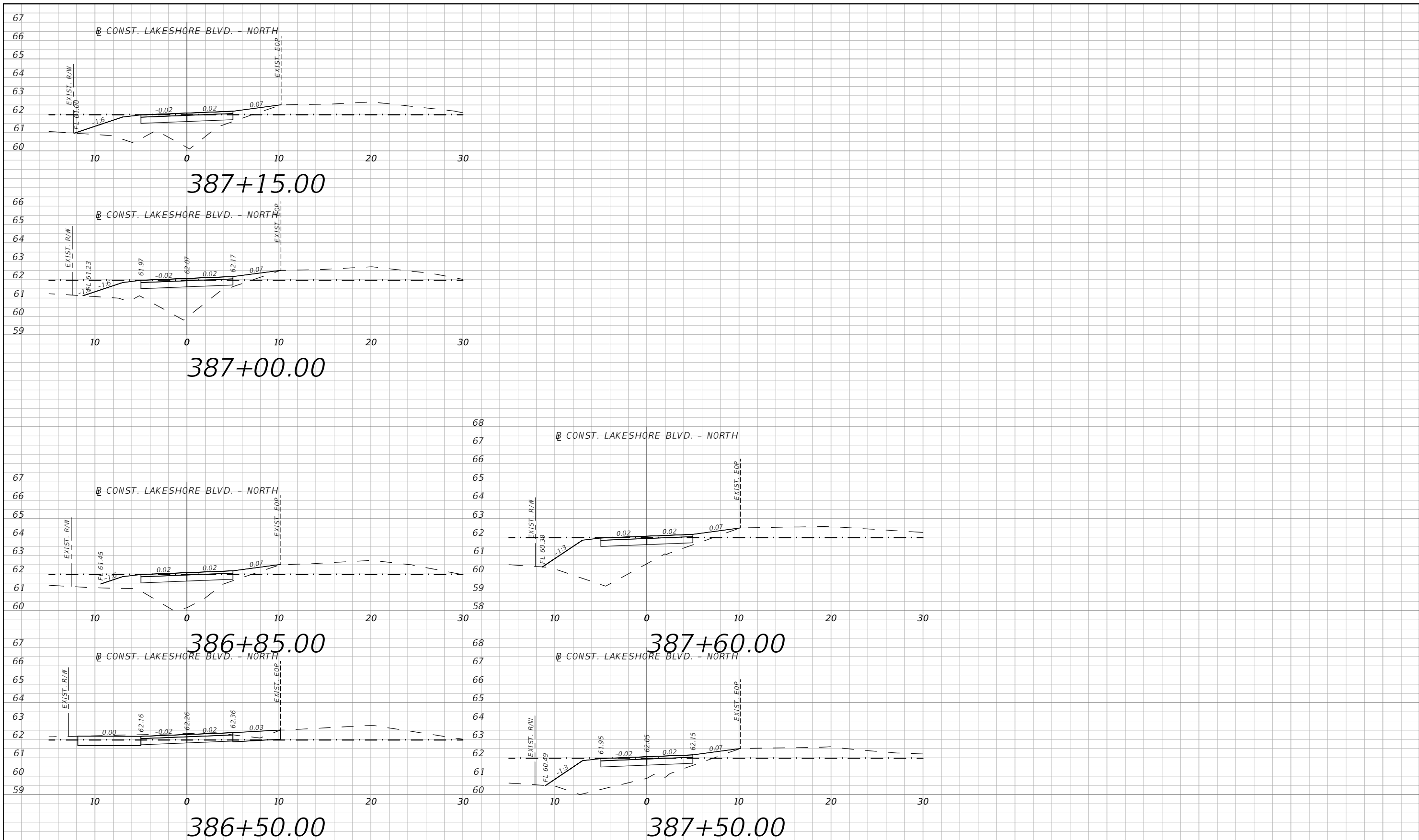


OSCEOLA COUNTY
 FLORIDA

E. LAKESHORE BLVD. - NORTH
 CROSS SECTIONS 28

SHEET NO.
 XS-70

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LEGEND
 - - - - FLOOD PLAIN

1" = 10' Horizontal
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 PE # 63437

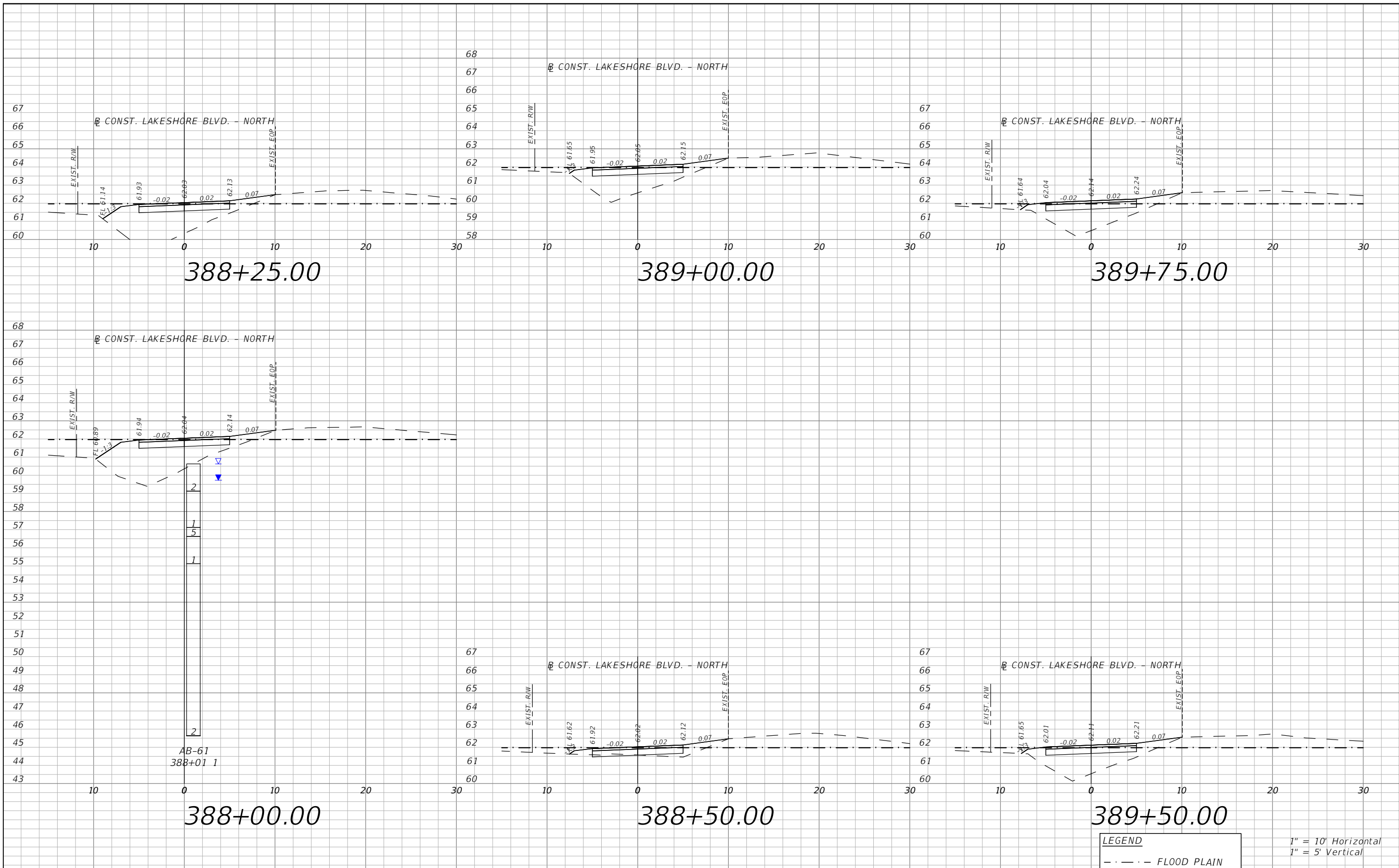


OSCEOLA COUNTY
 FLORIDA

**E. LAKESHORE BLVD. - NORTH
 CROSS SECTIONS 30**

SHEET
 NO.
 XS-72

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LEGEND
 - - - - FLOOD PLAIN

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

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

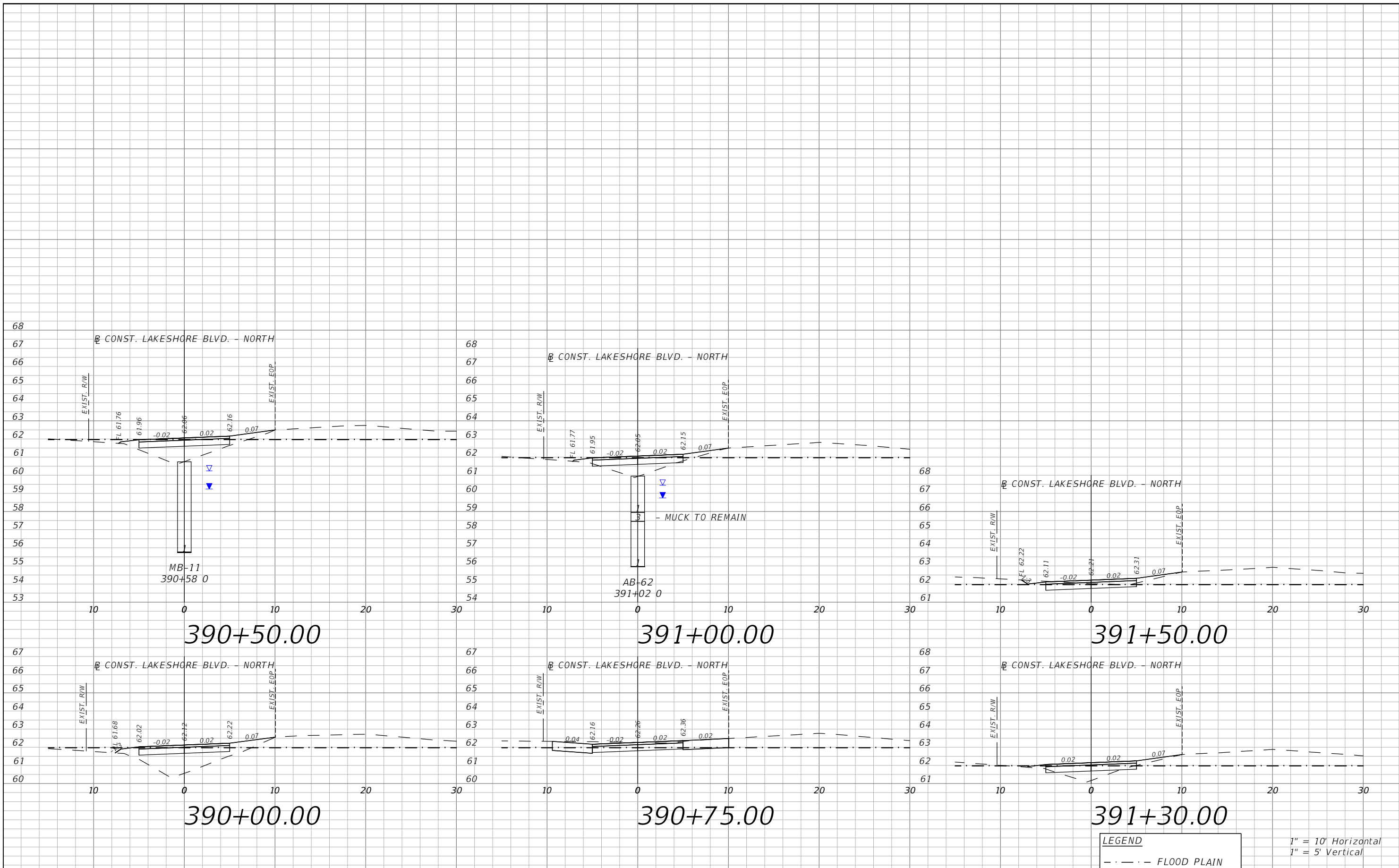


OSCEOLA COUNTY
 FLORIDA

**E. LAKESHORE BLVD. - NORTH
 CROSS SECTIONS 31**

SHEET
 NO.
 XS-73

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LEGEND
 - - - - FLOOD PLAIN

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 1" = 5' Vertical

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 PE # 63437

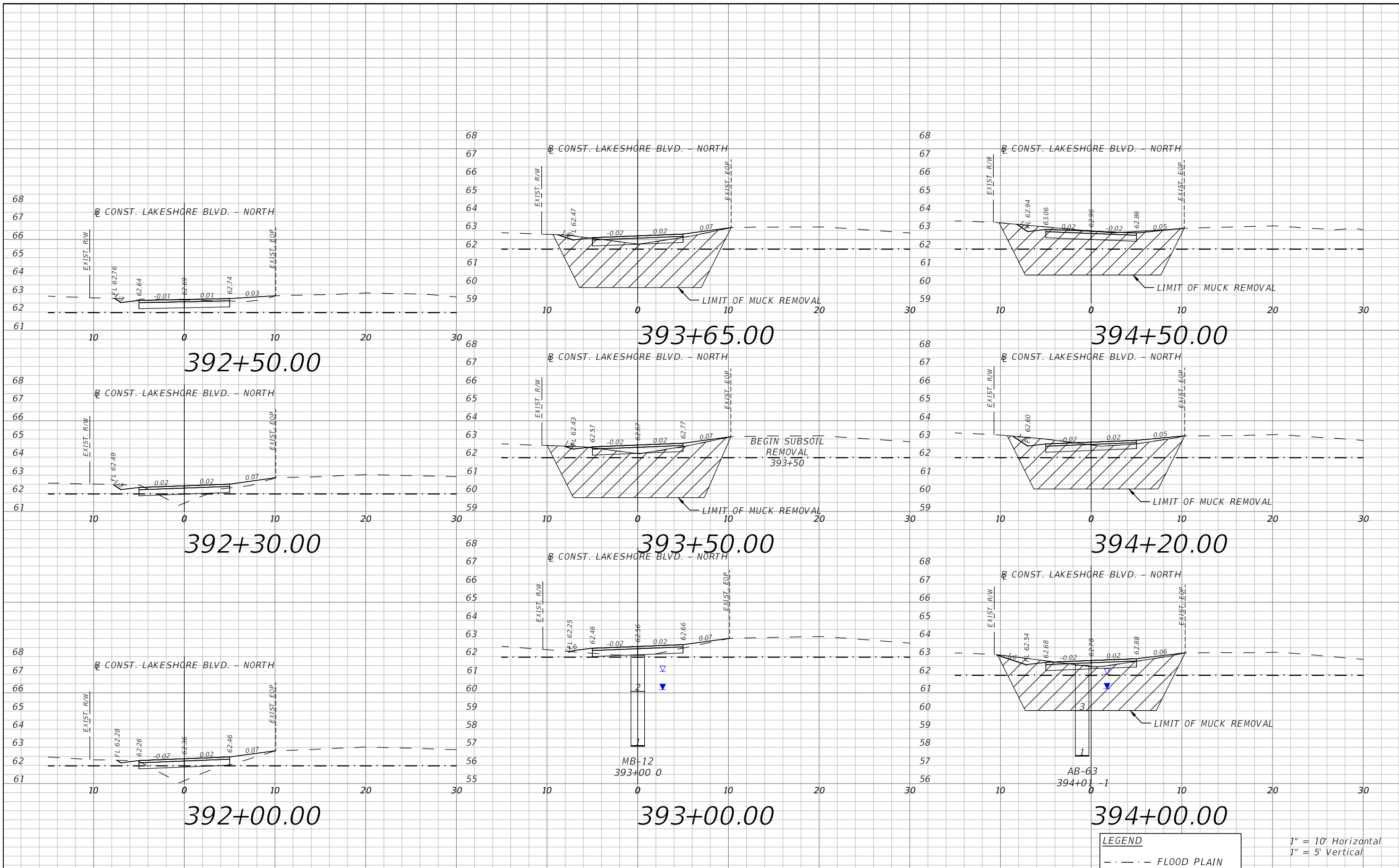


OSCEOLA COUNTY
 FLORIDA

E. LAKESHORE BLVD. - NORTH
CROSS SECTIONS 32

SHEET
 NO.
 XS-74

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

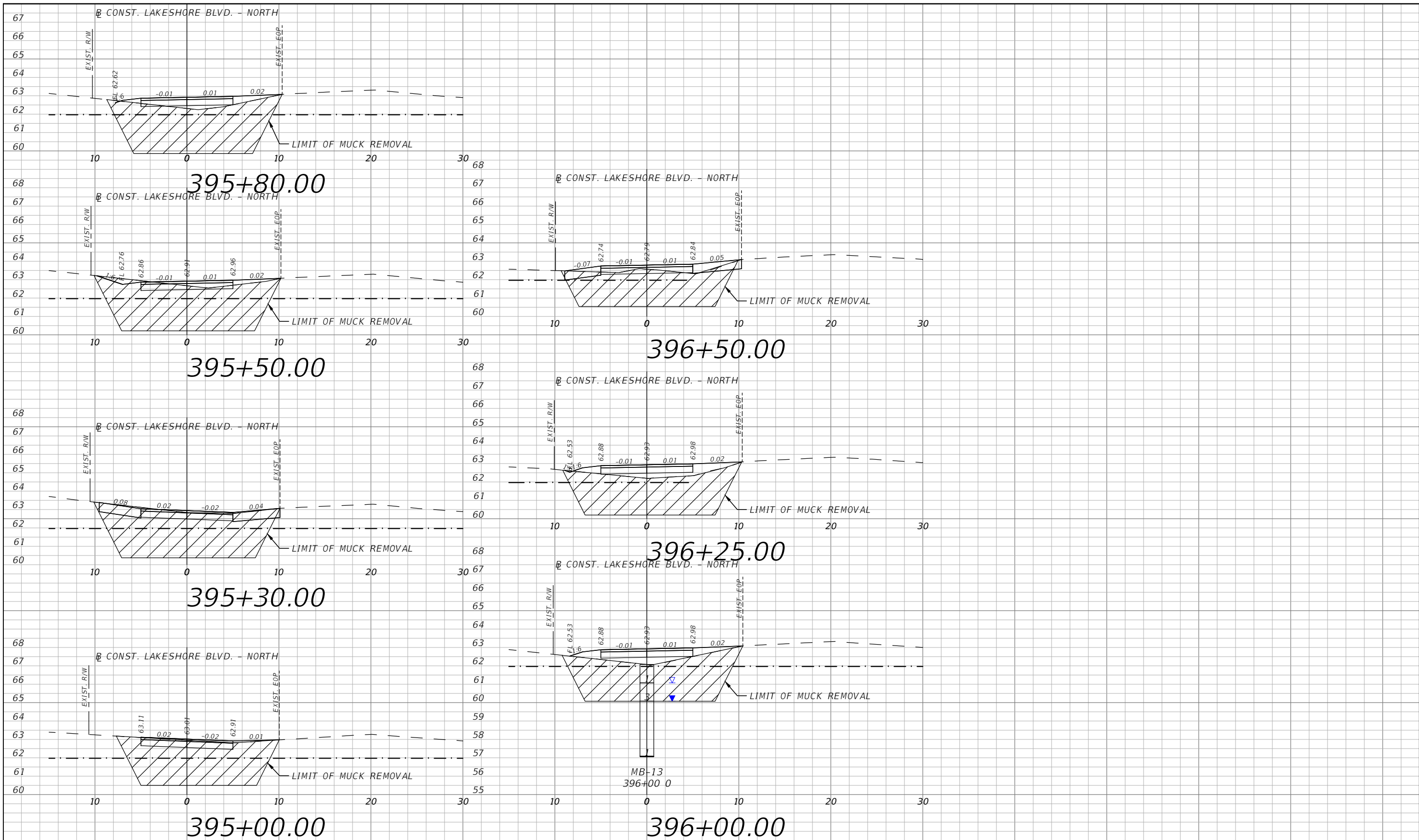


OSCEOLA COUNTY
FLORIDA

E. LAKESHORE BLVD. - NORTH
CROSS SECTIONS 33

SHEET NO.
XS-75

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LEGEND
 - - - - FLOOD PLAIN

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

REVISIONS			
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 Orlando, FL 32801 (407)839-4006
 Certificate of Authorization # 3932
 Mark F. Bertoncini, P.E.
 PE # 63437

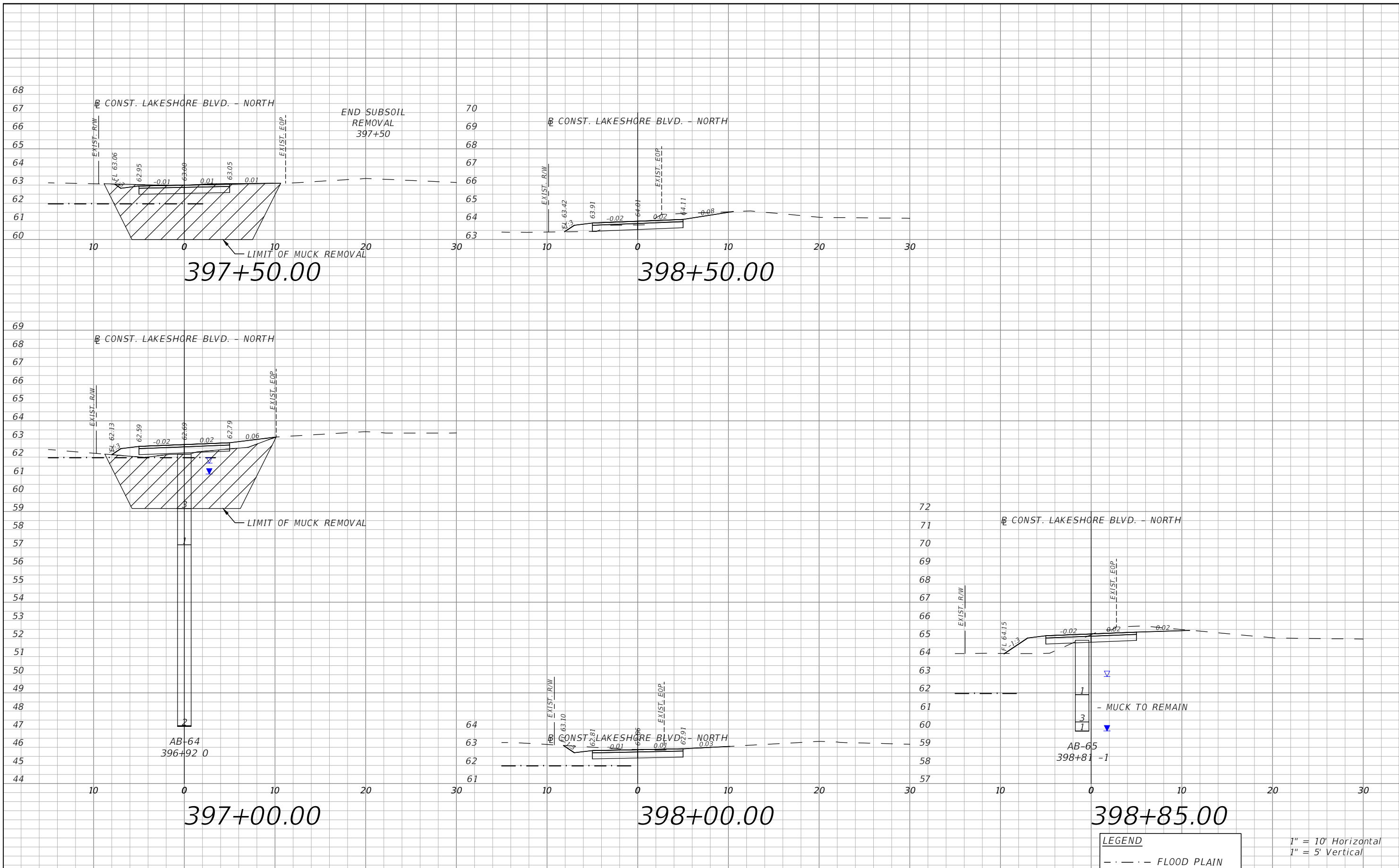


OSCEOLA COUNTY
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**E. LAKESHORE BLVD. - NORTH
 CROSS SECTIONS 34**

SHEET
 NO.
 XS-76

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 PE # 63437

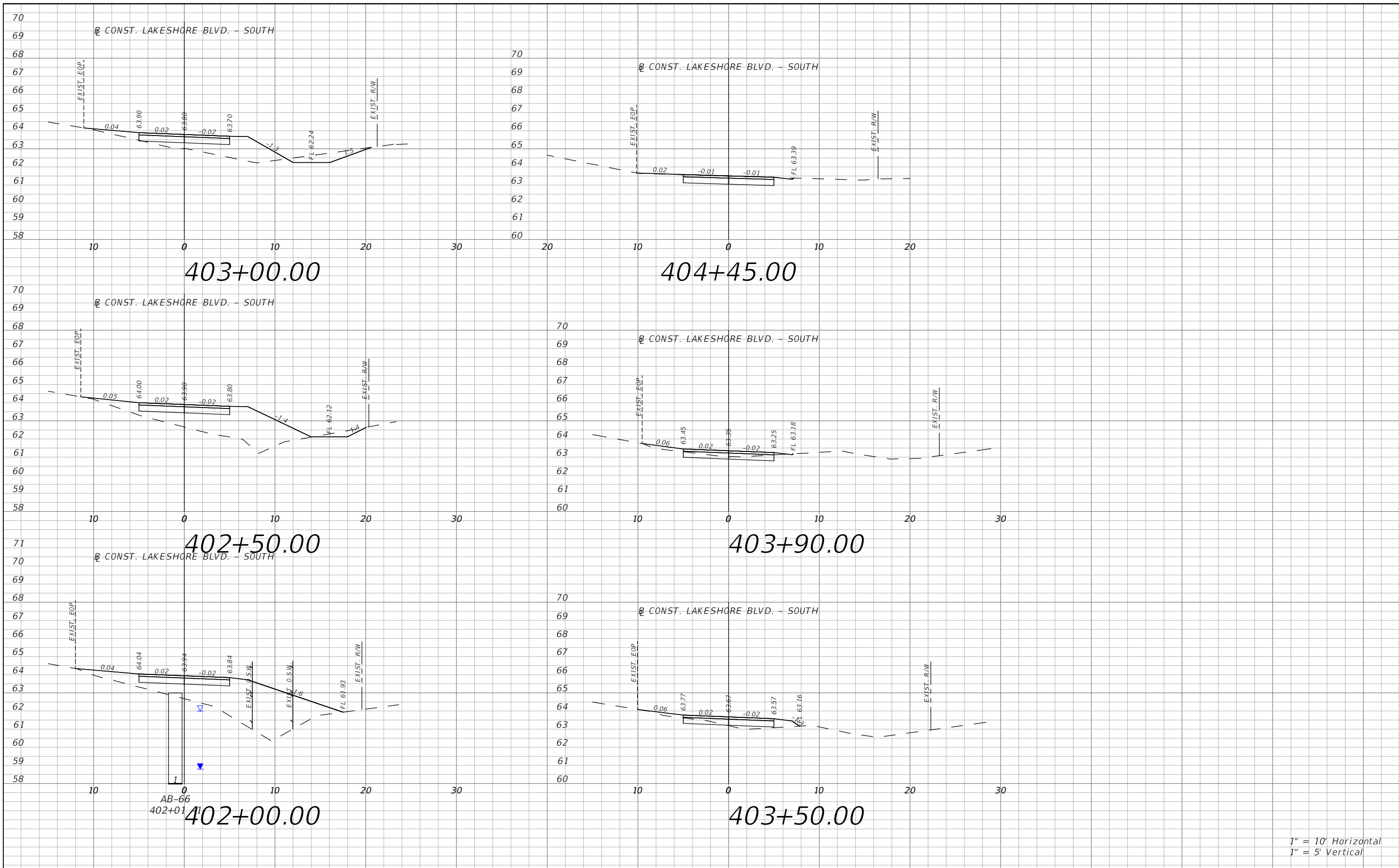


OSCEOLA COUNTY
FLORIDA

E. LAKESHORE BLVD. - NORTH
CROSS SECTIONS 35

SHEET
NO.
XS-77

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1" = 5' Vertical

REVISIONS			
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PE # 63437

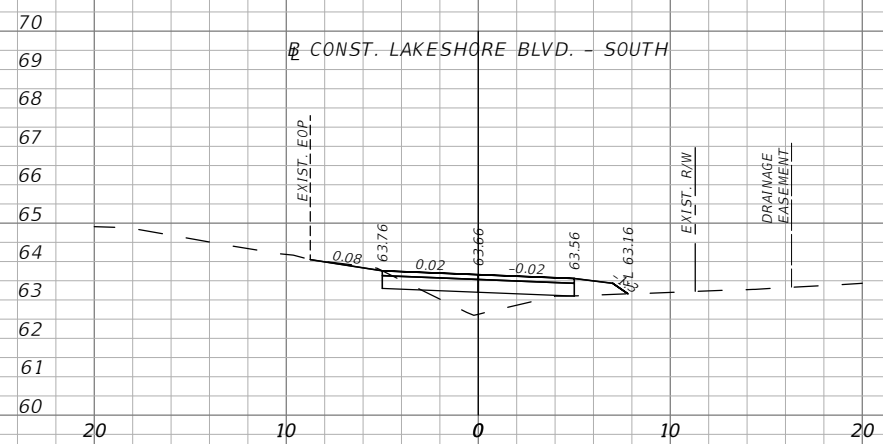


OSCEOLA COUNTY
FLORIDA

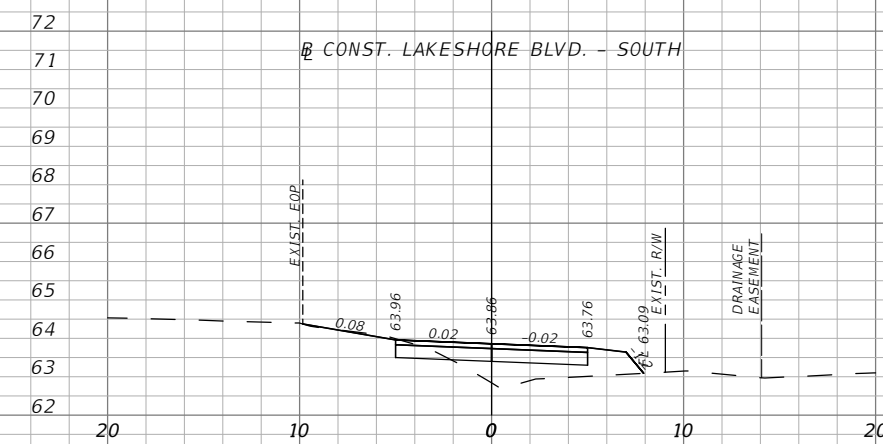
E. LAKESHORE BLVD. - SOUTH
CROSS SECTIONS 01

SHEET
NO.
XS-78

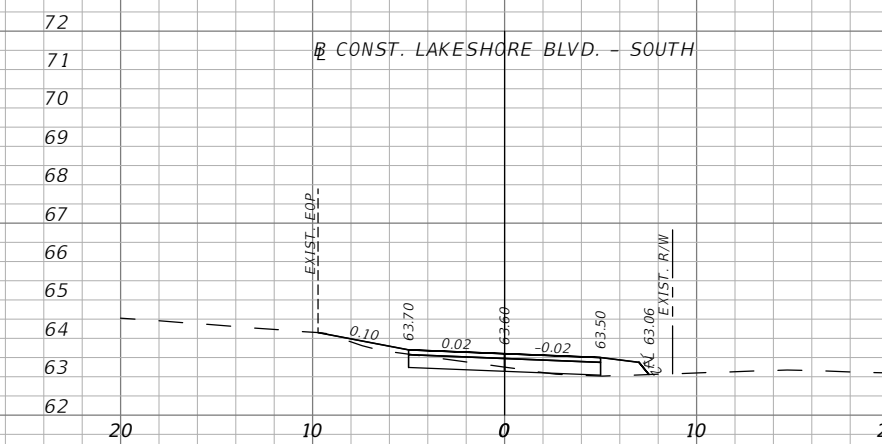
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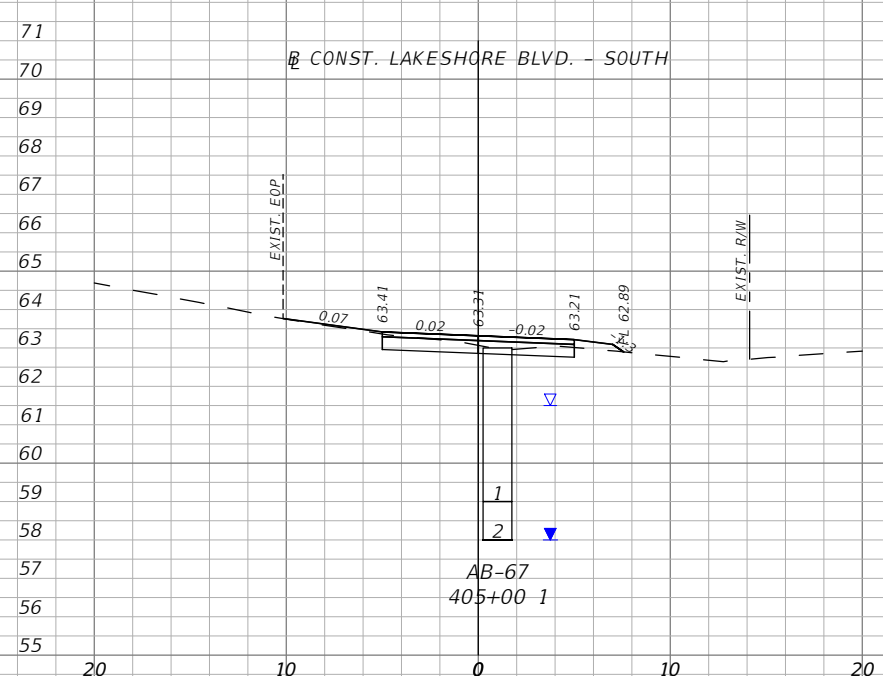
405+50.00



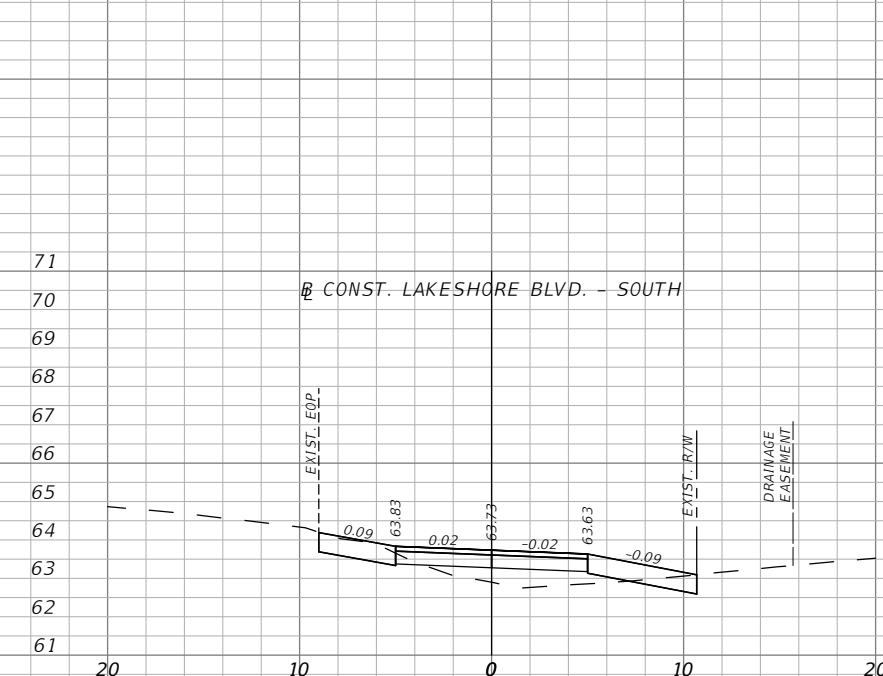
406+00.00



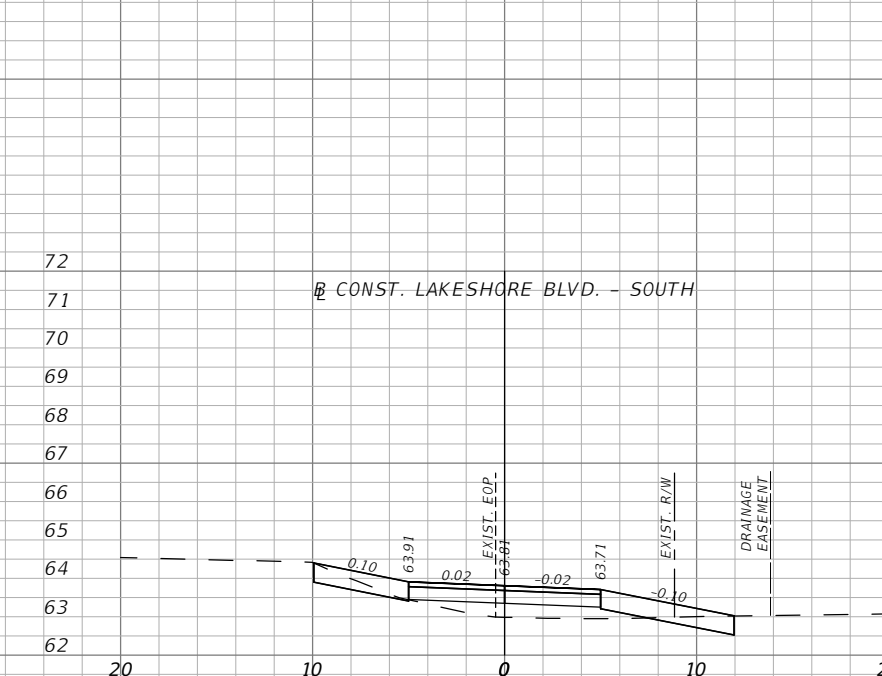
407+00.00



405+00.00



405+70.00



406+25.00

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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PE # 63437

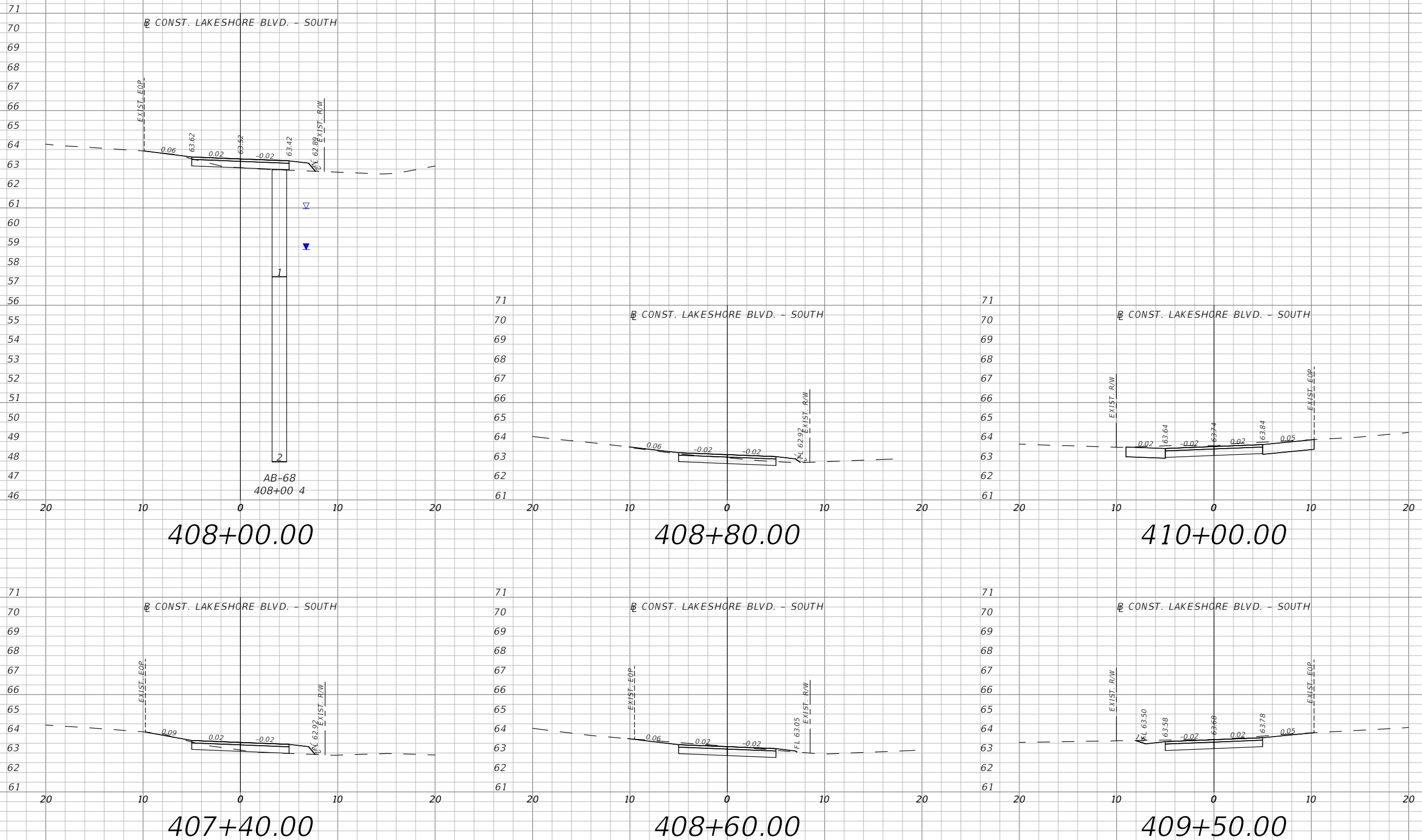


OSCEOLA COUNTY
FLORIDA

E. LAKESHORE BLVD. - SOUTH
CROSS SECTIONS 02

SHEET NO.
XS-79

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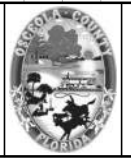


1" = 10' Horizontal
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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PE # 63437

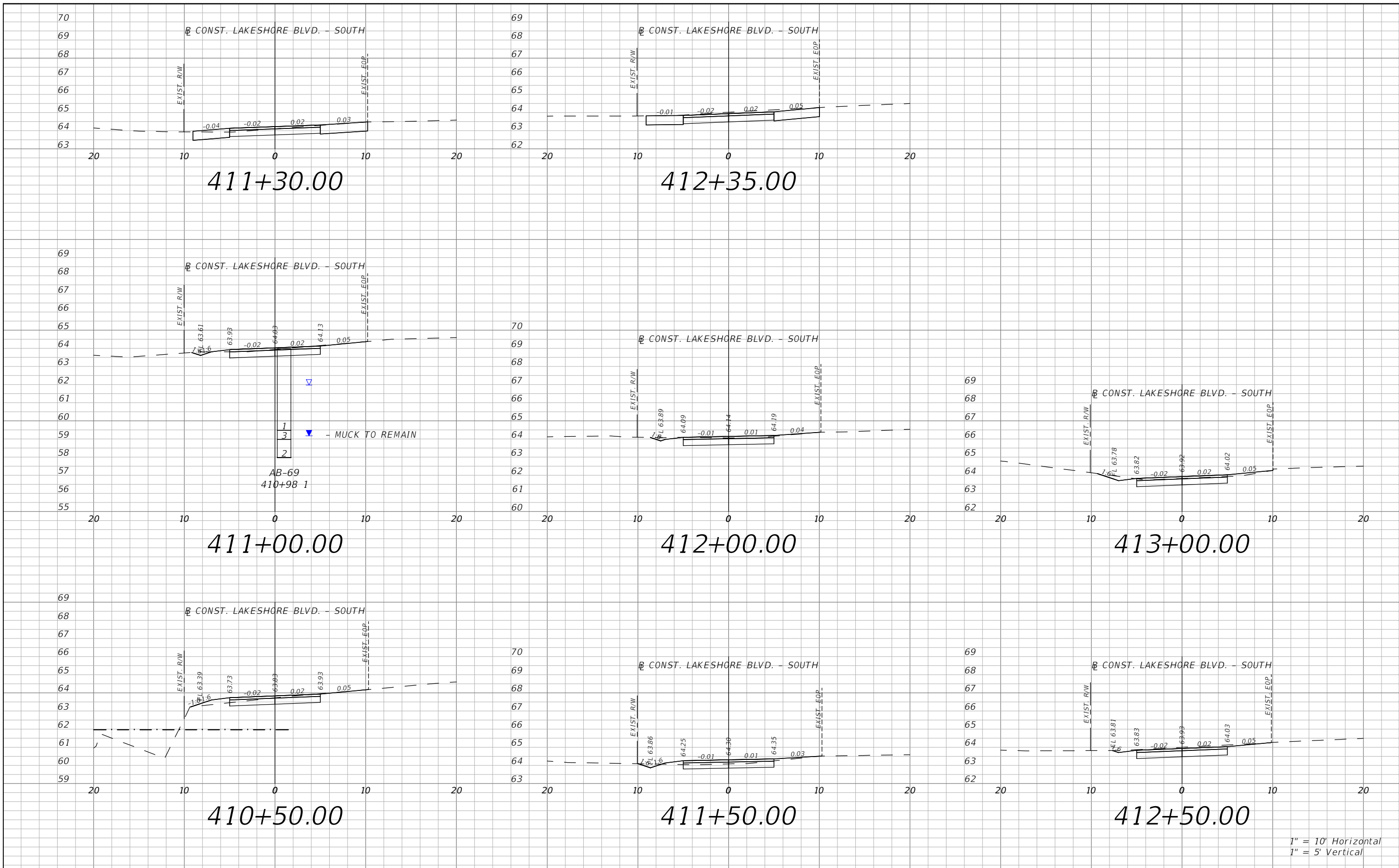


OSCEOLA COUNTY
FLORIDA

E. LAKESHORE BLVD. - SOUTH
CROSS SECTIONS 03

SHEET
NO.
XS-80

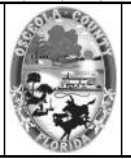
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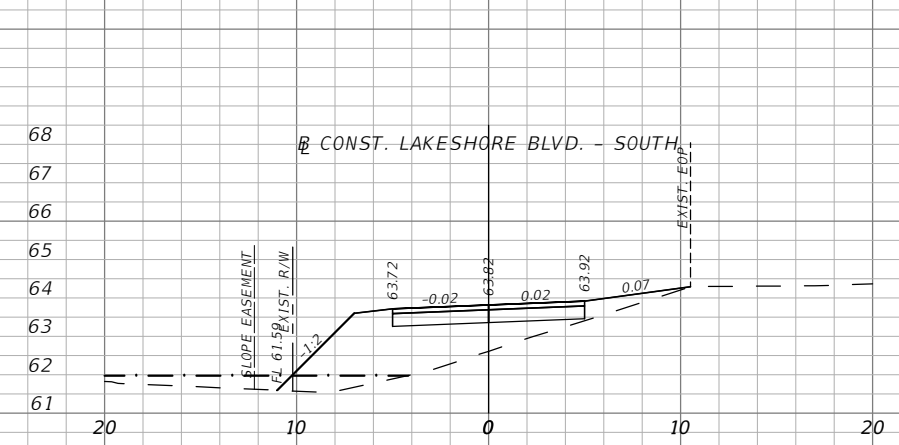
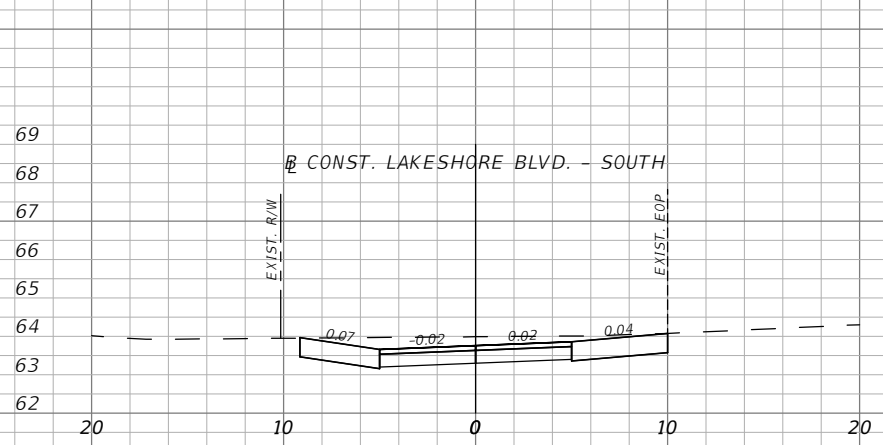
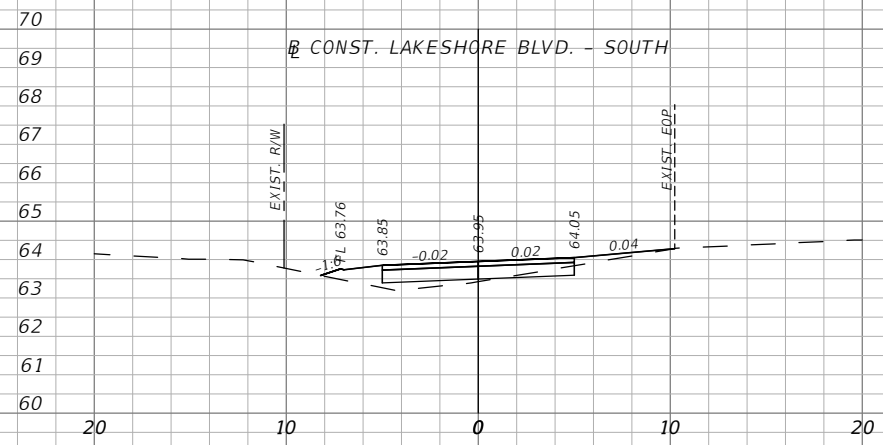
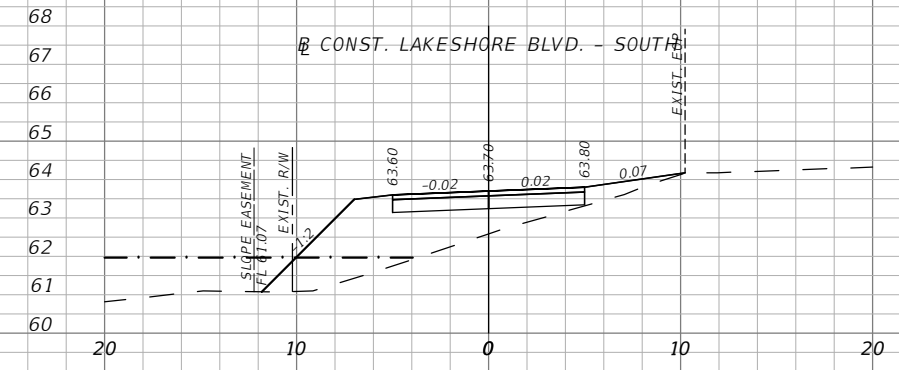
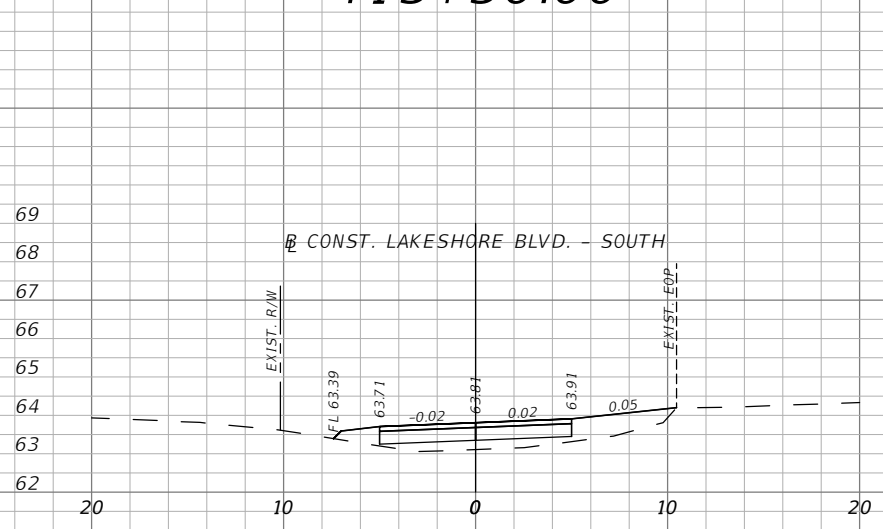
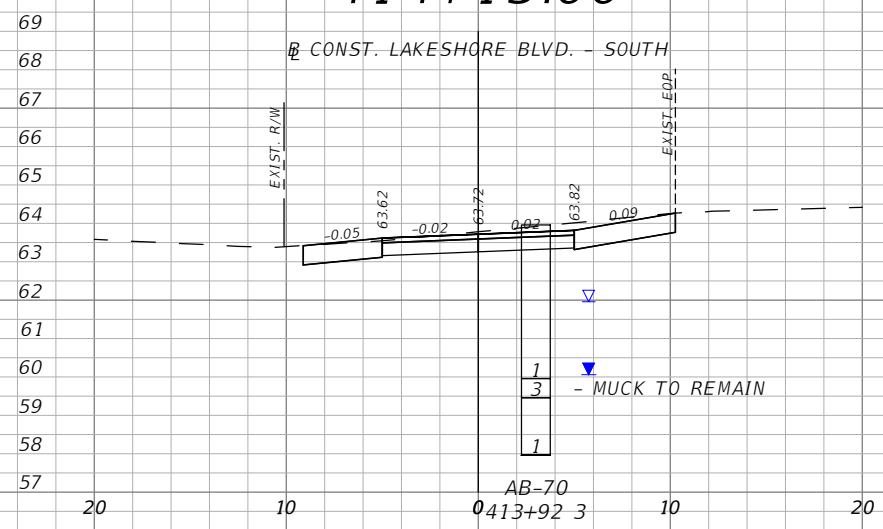
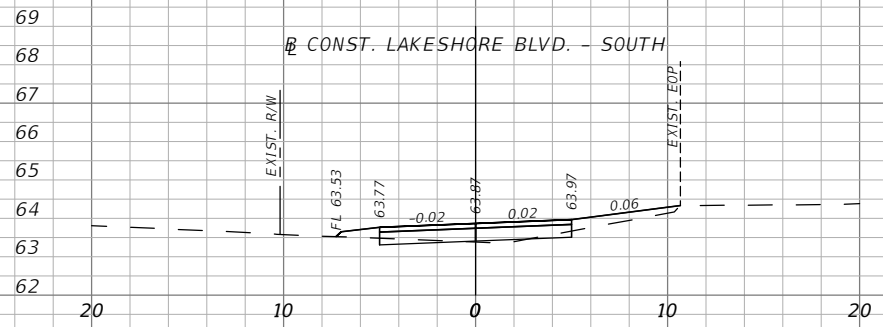
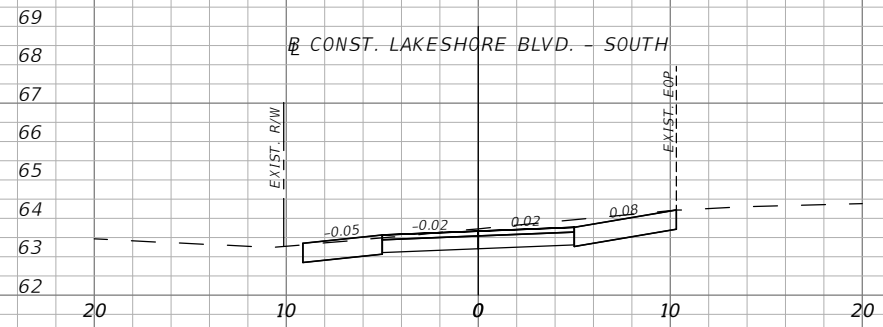


OSCEOLA COUNTY
FLORIDA

E. LAKESHORE BLVD. - SOUTH
CROSS SECTIONS 04

SHEET
NO.
XS-81

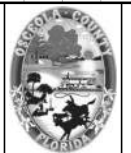
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LEGEND
 --- FLOOD PLAIN
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 1" = 5' Vertical

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 PE # 63437

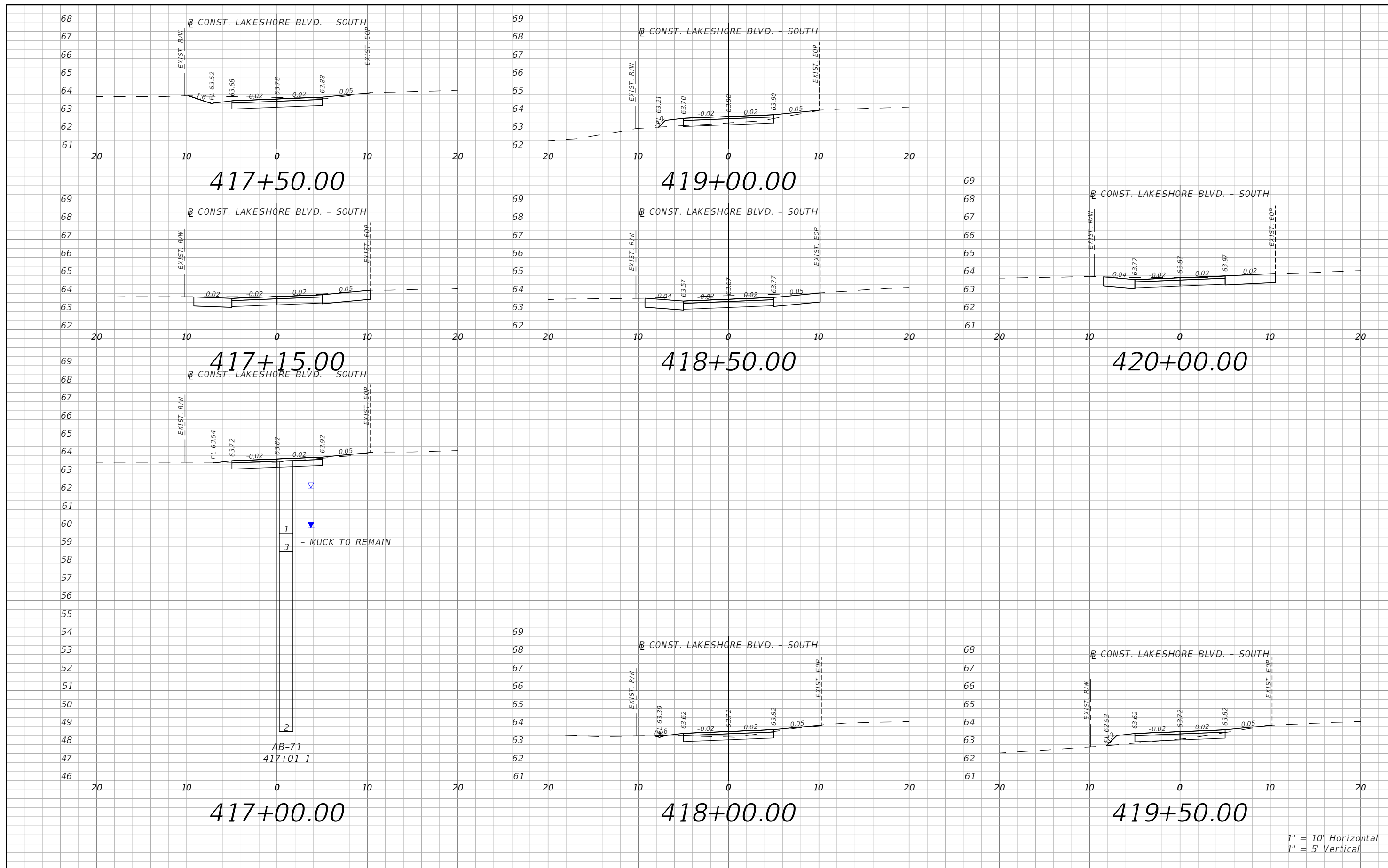


OSCEOLA COUNTY
 FLORIDA

E. LAKESHORE BLVD. - SOUTH
 CROSS SECTIONS 05

SHEET
 NO.
 XS-82

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PE # 63437

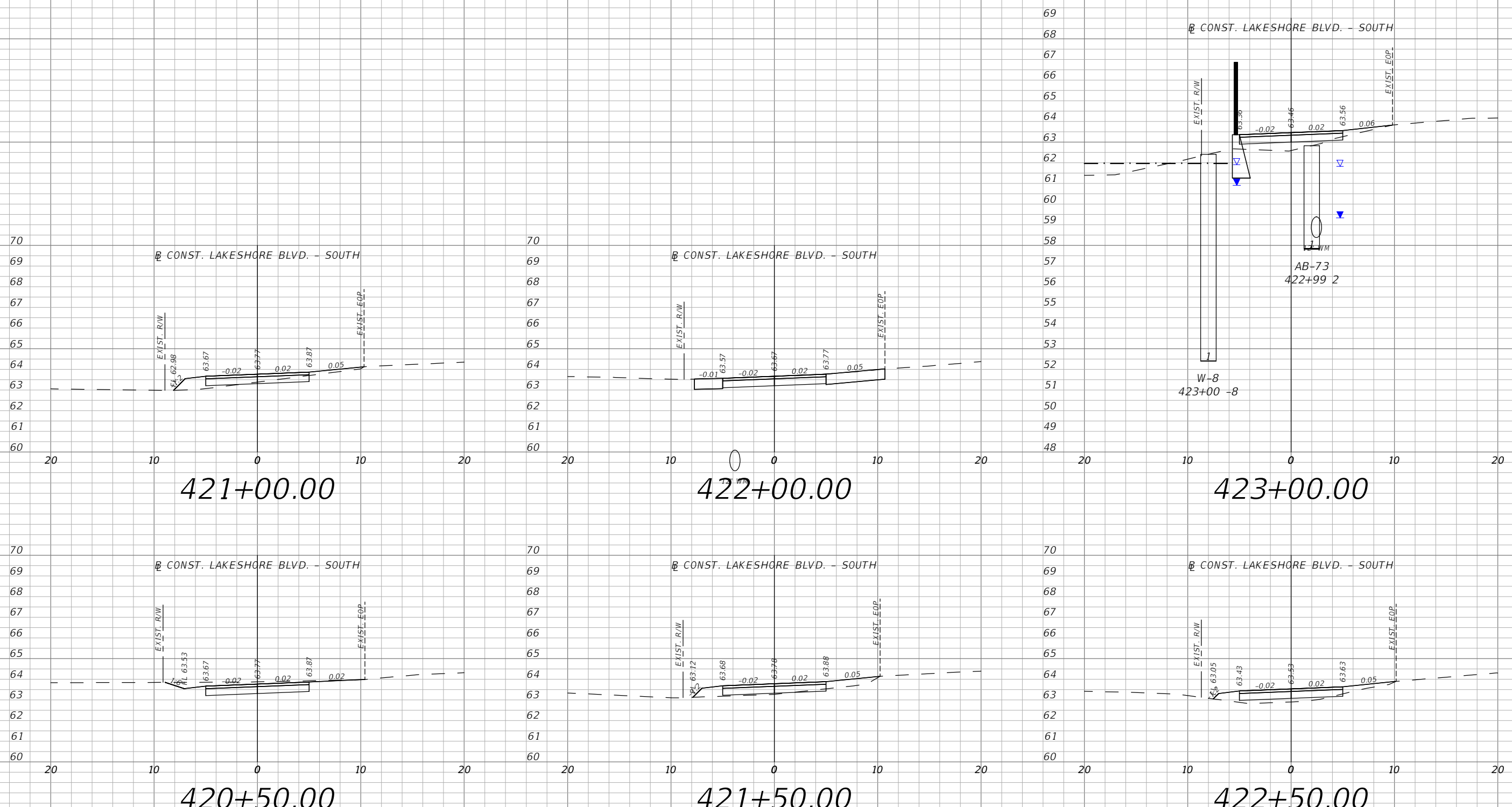


OSCEOLA COUNTY
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E. LAKESHORE BLVD. - SOUTH
CROSS SECTIONS 06

SHEET NO.
XS-83

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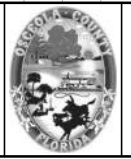
LEGEND
 - - - - FLOOD PLAIN

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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

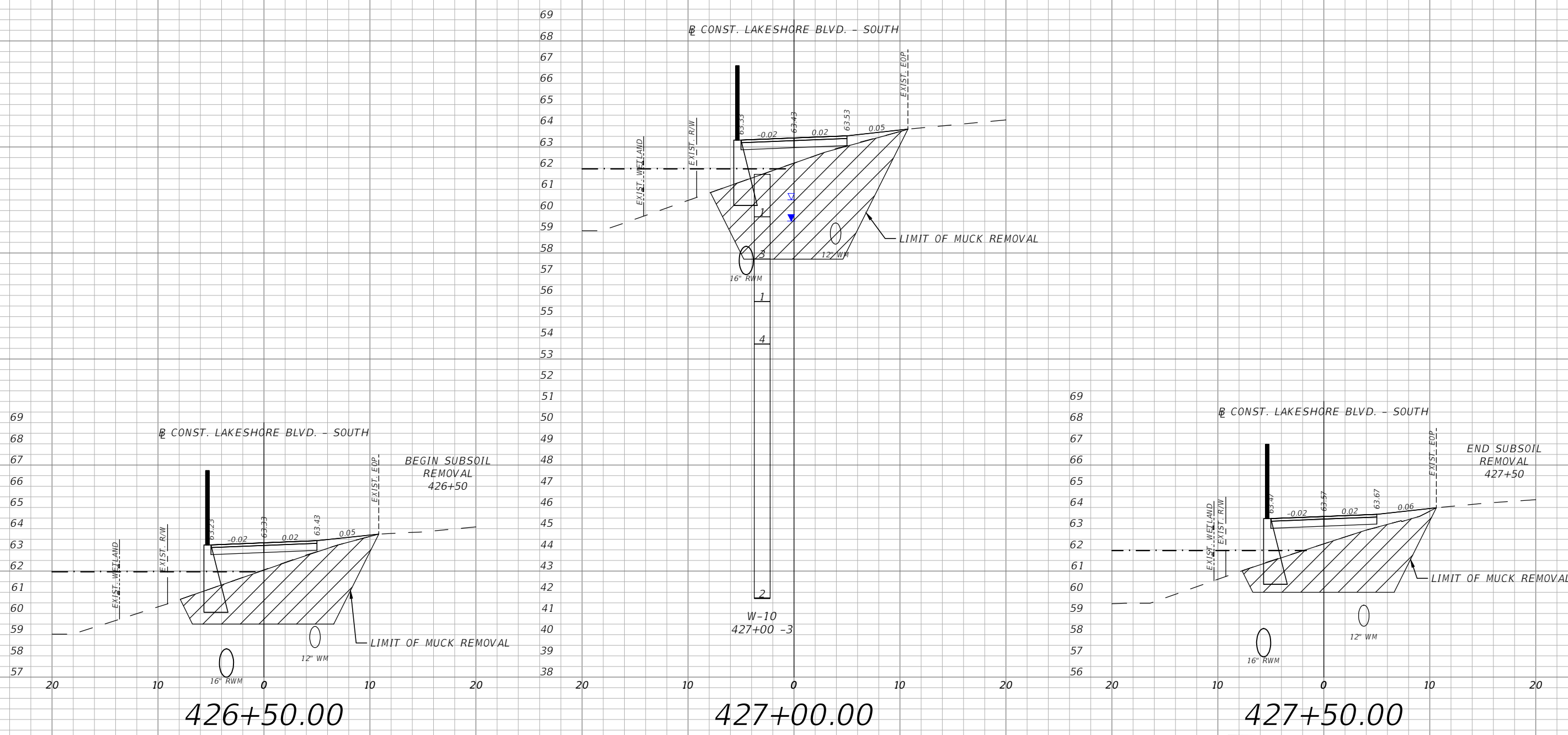


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 CROSS SECTIONS 07

SHEET
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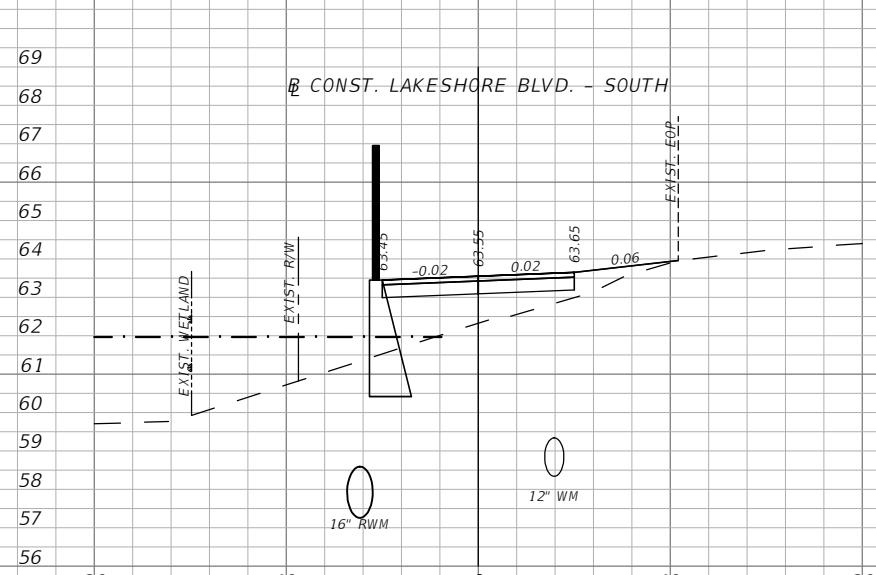


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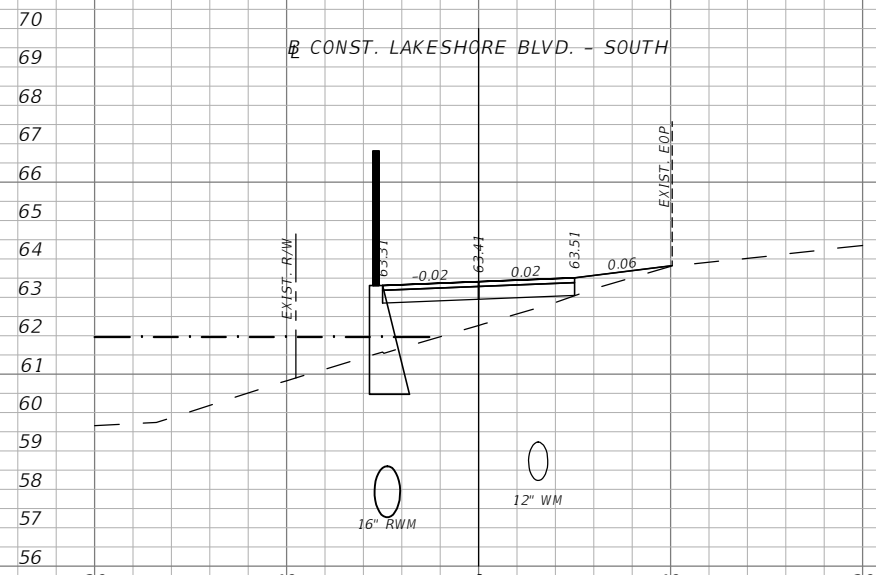
E. LAKESHORE BLVD. - SOUTH
 CROSS SECTIONS 09

SHEET NO.
 XS-86

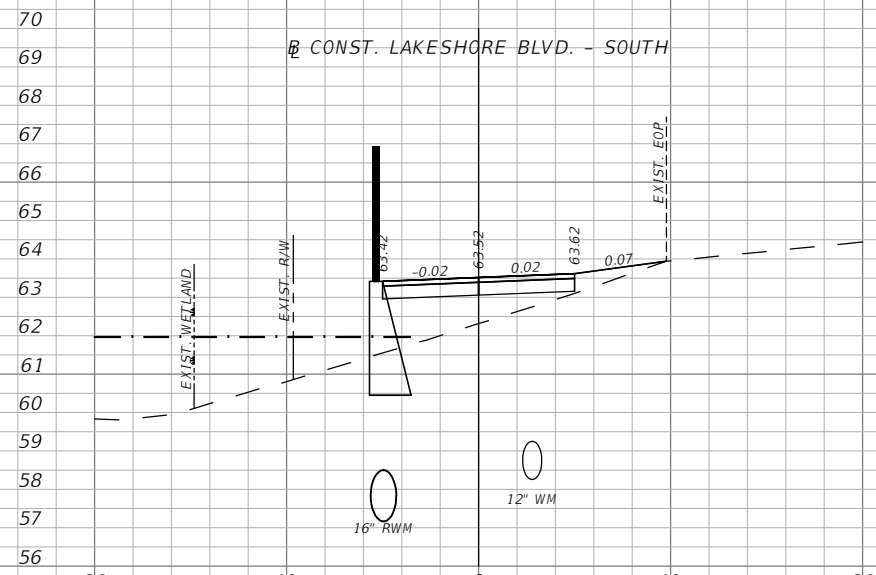
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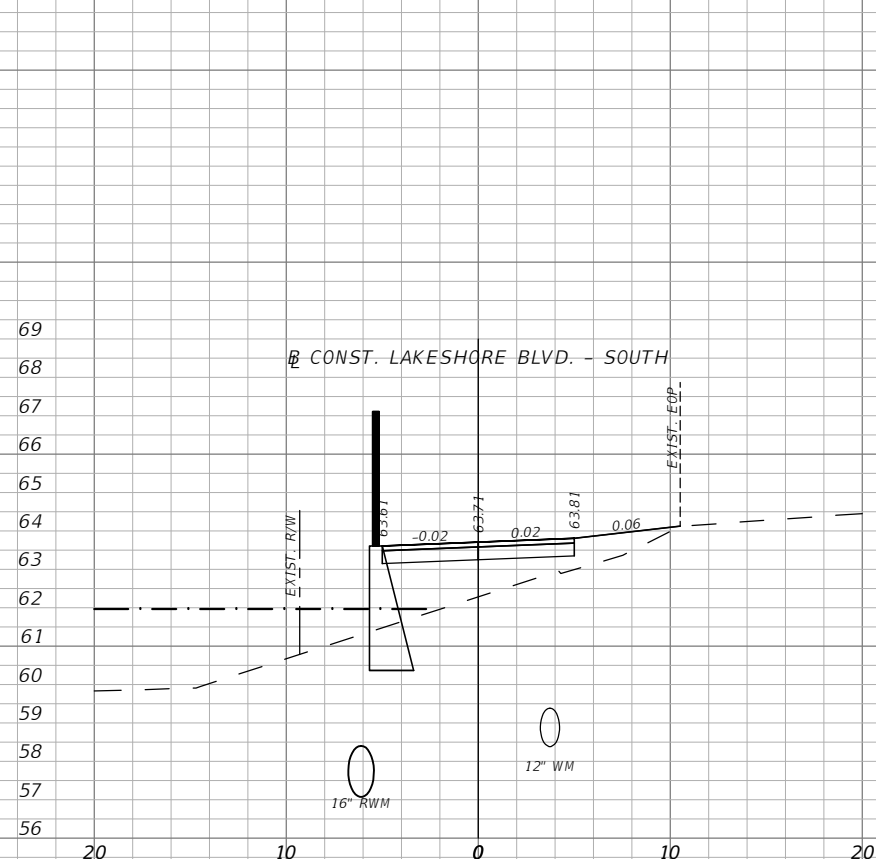
428+50.00



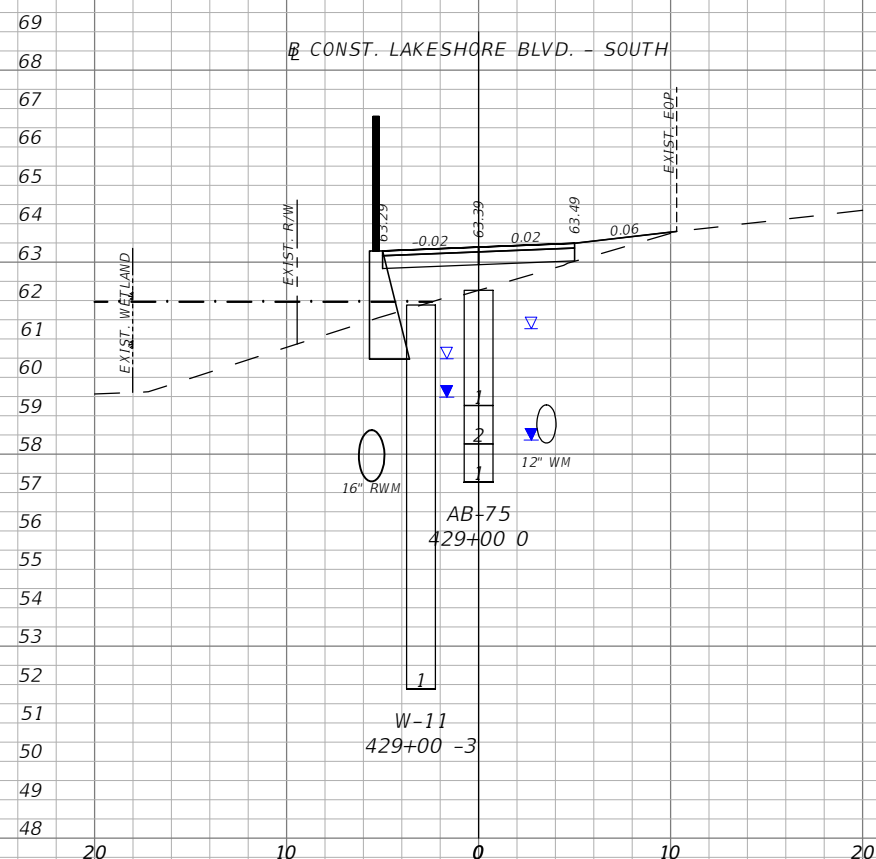
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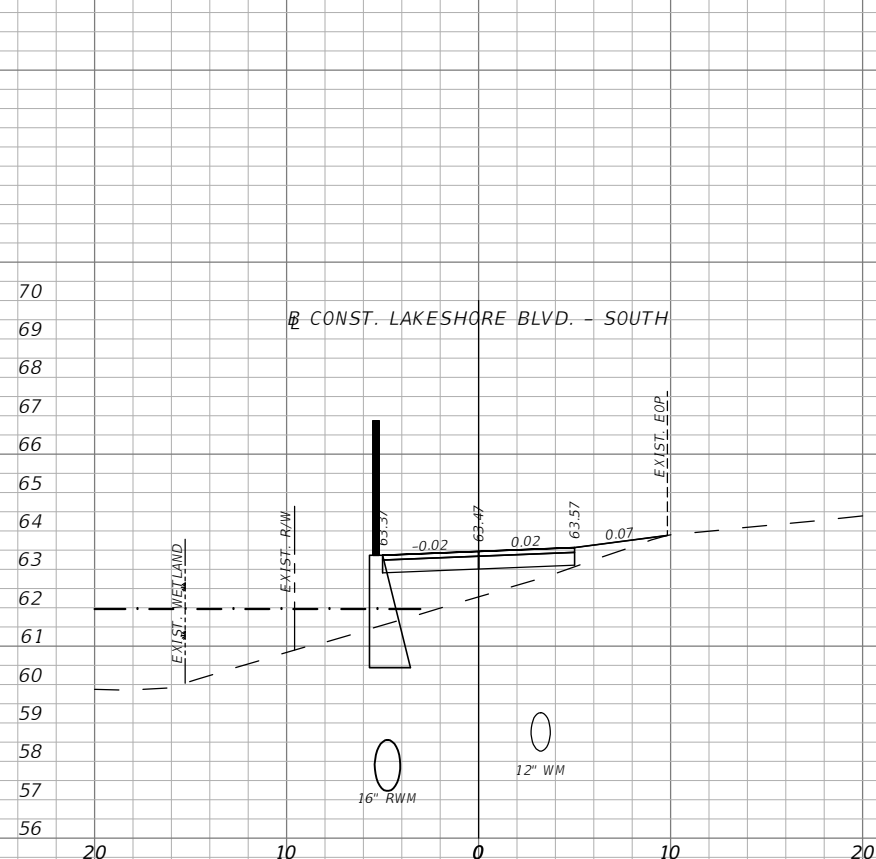
430+50.00



428+00.00



429+00.00



430+00.00

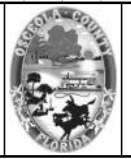
LEGEND
 - - - - FLOOD PLAIN

1" = 10' Horizontal
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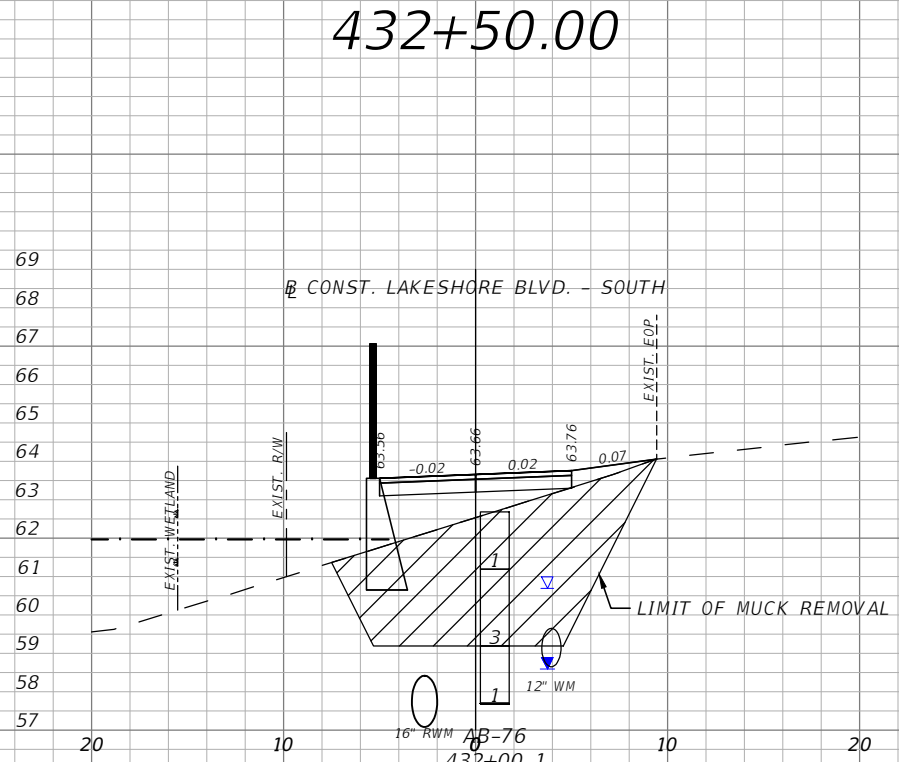
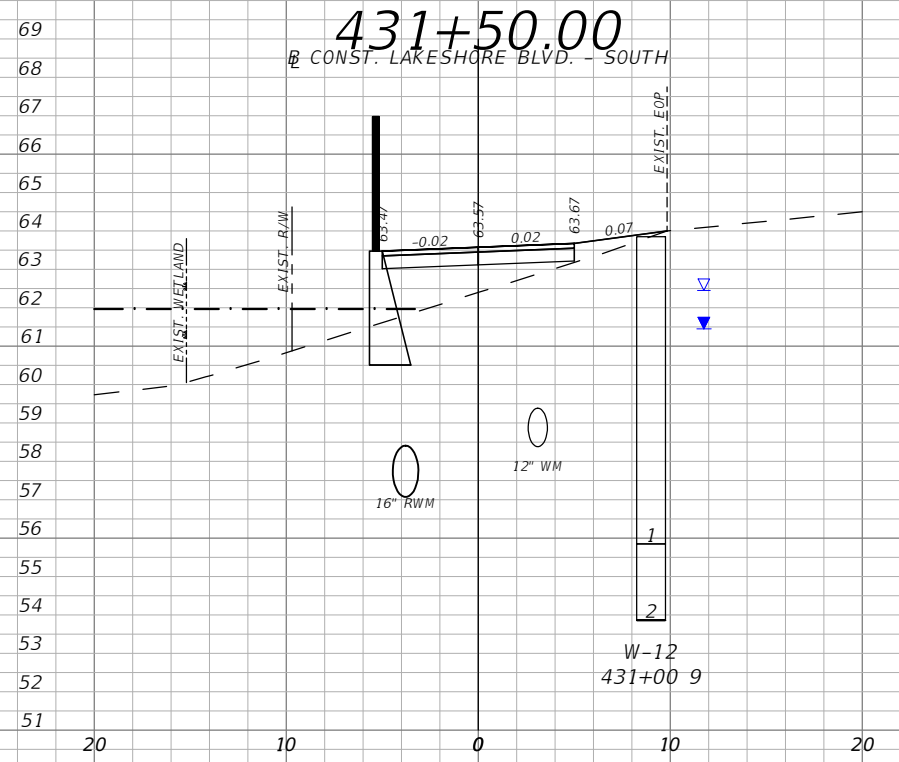
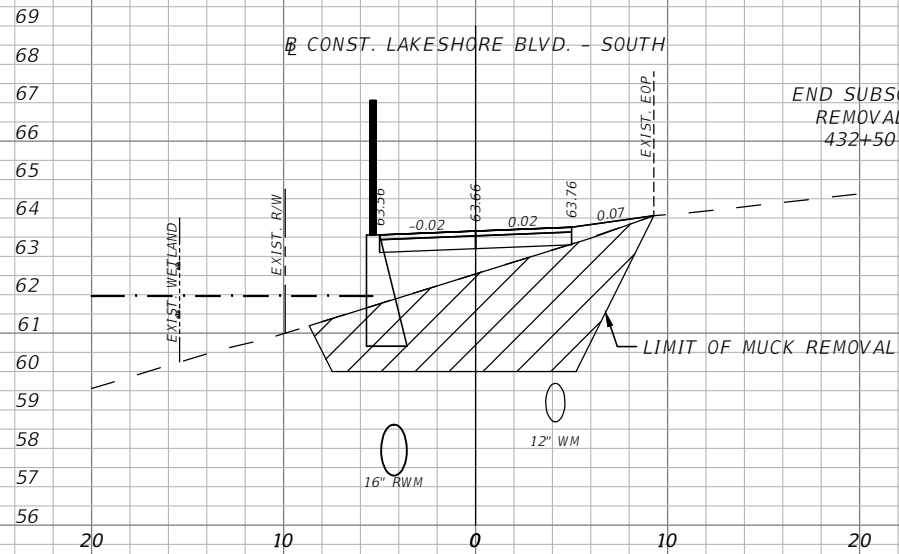
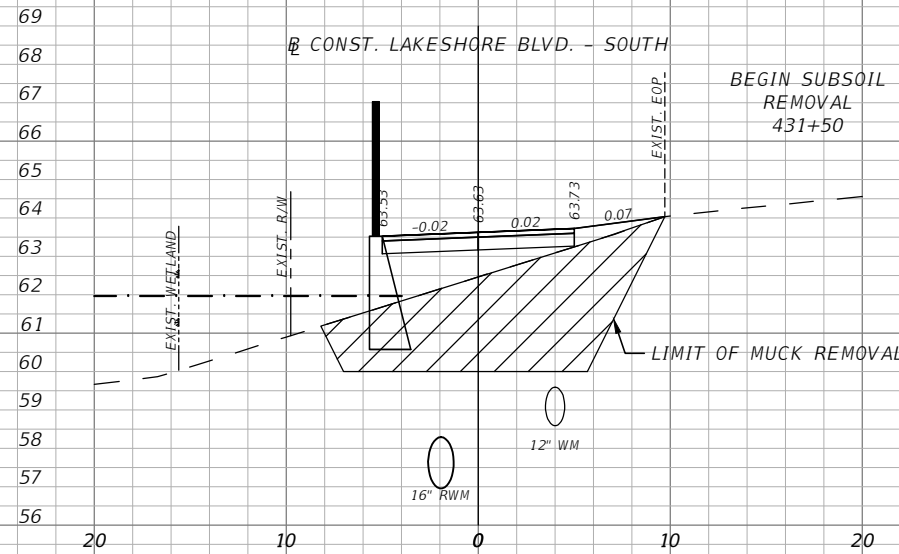


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431+50.00

432+50.00

431+00.00

432+00.00

LEGEND
 - - - - FLOOD PLAIN

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

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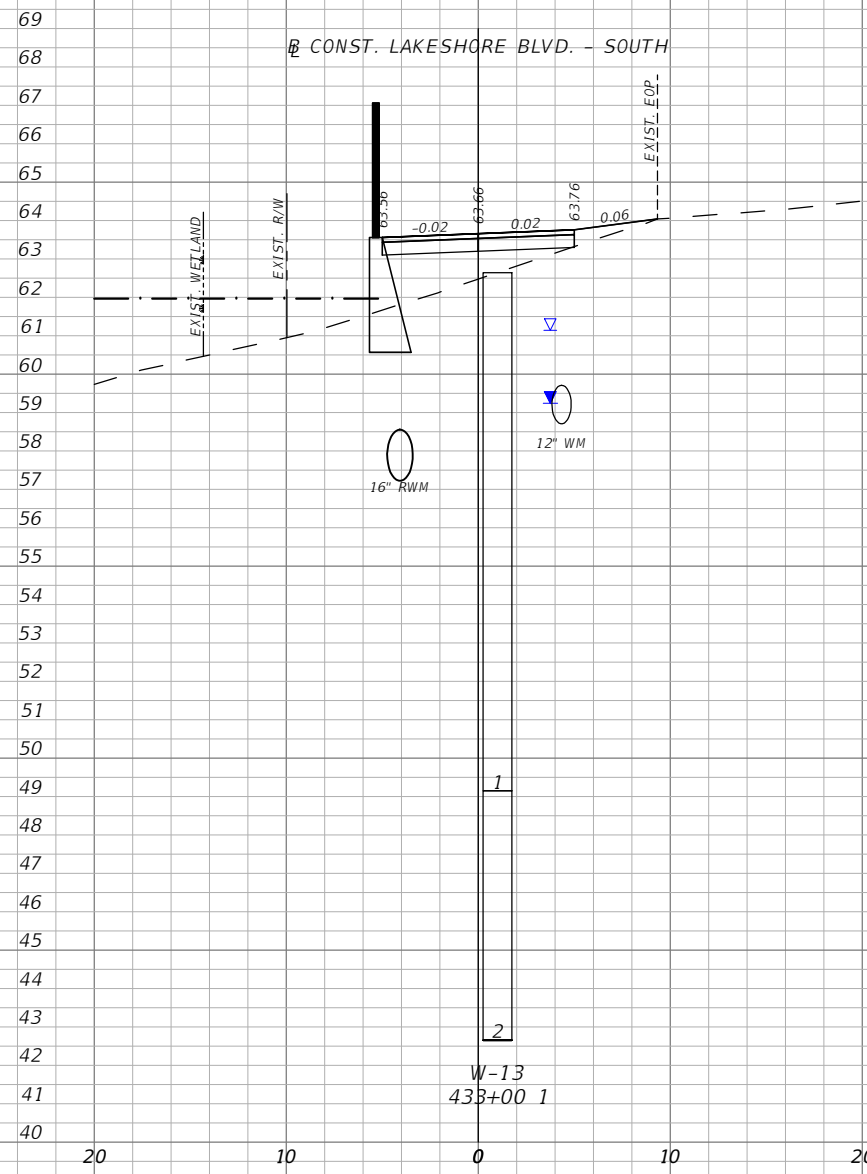


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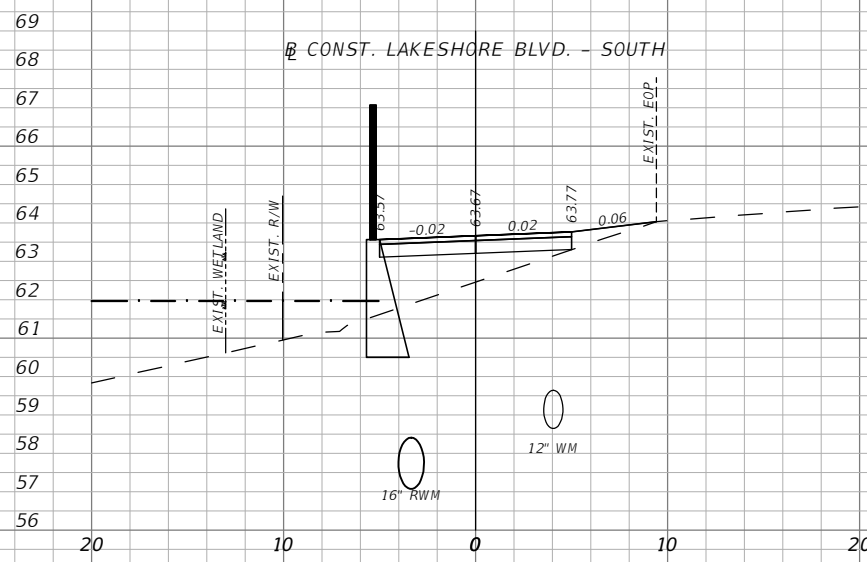
**E. LAKESHORE BLVD. - SOUTH
 CROSS SECTIONS 11**

SHEET
 NO.
 XS-88

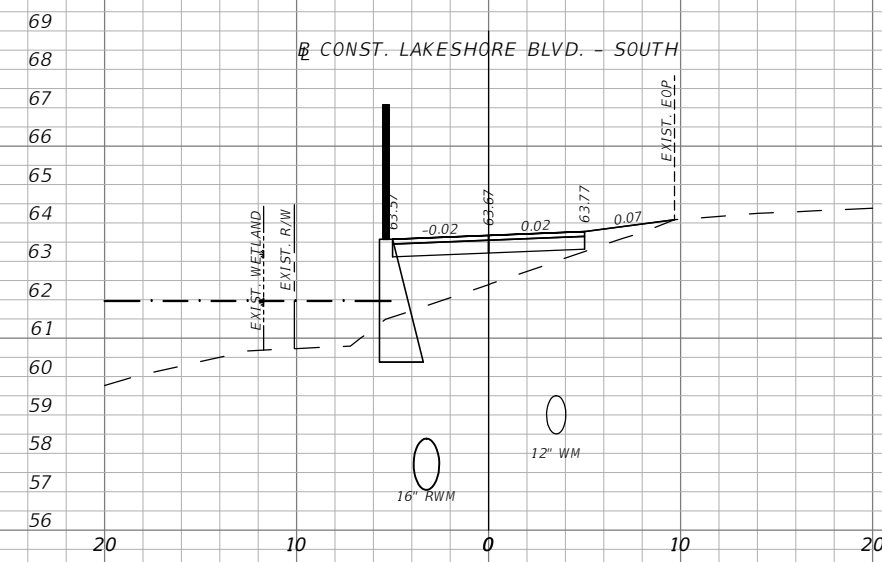
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433+00.00



433+50.00



434+00.00

LEGEND
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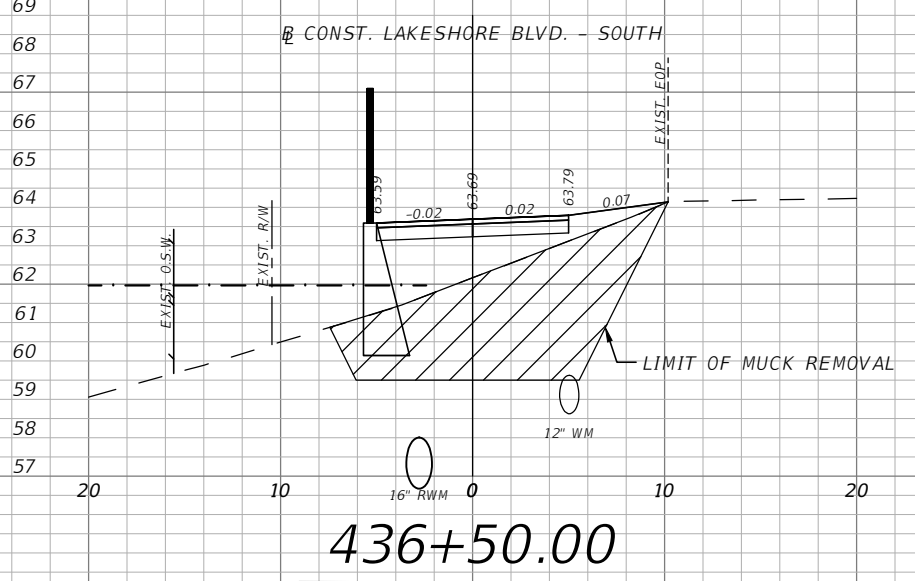
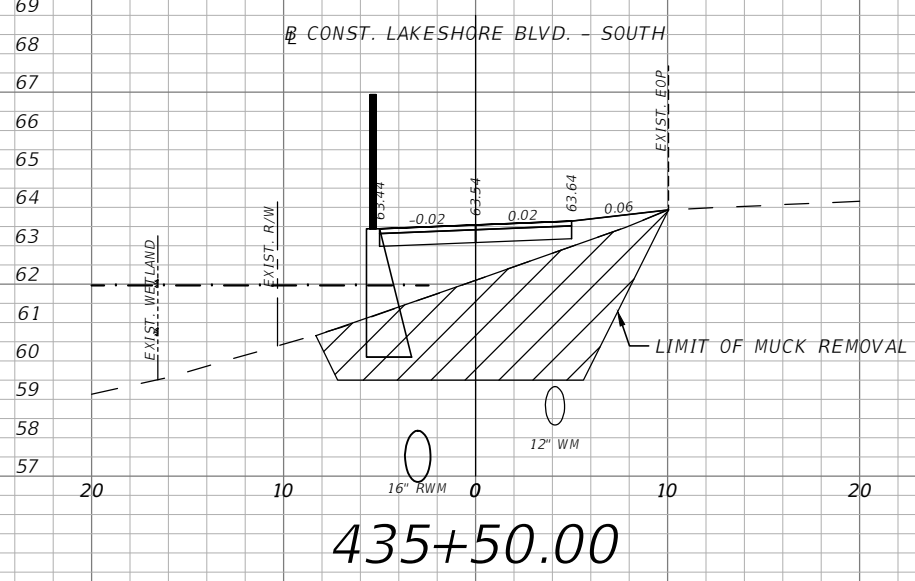
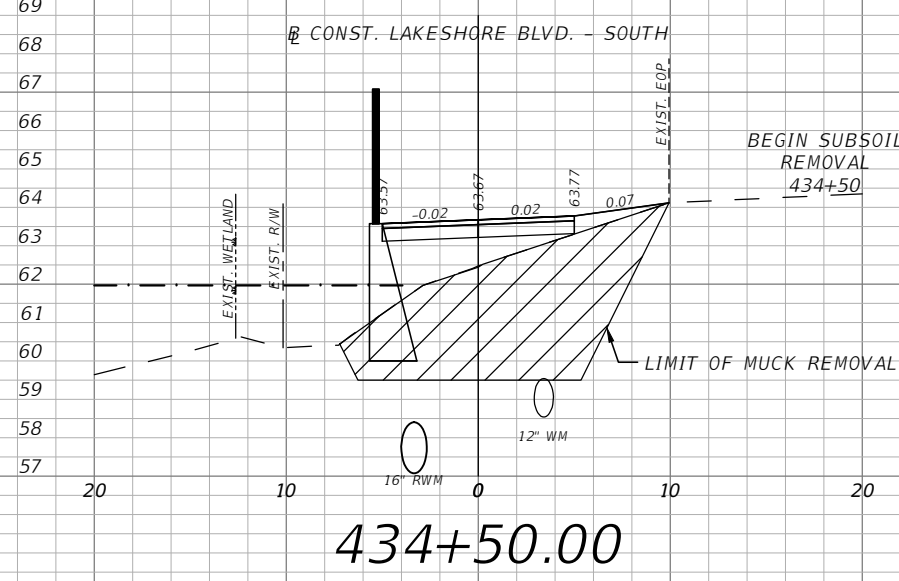
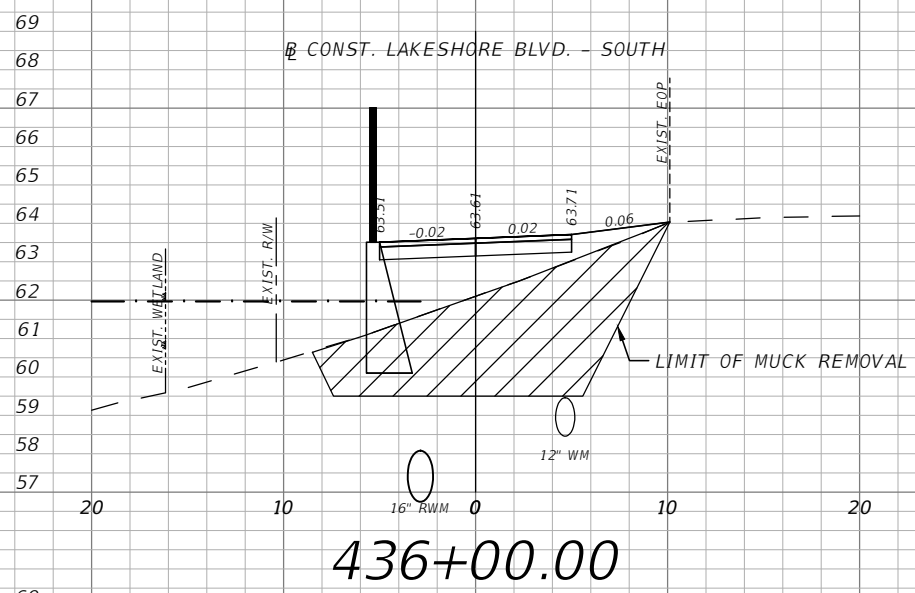
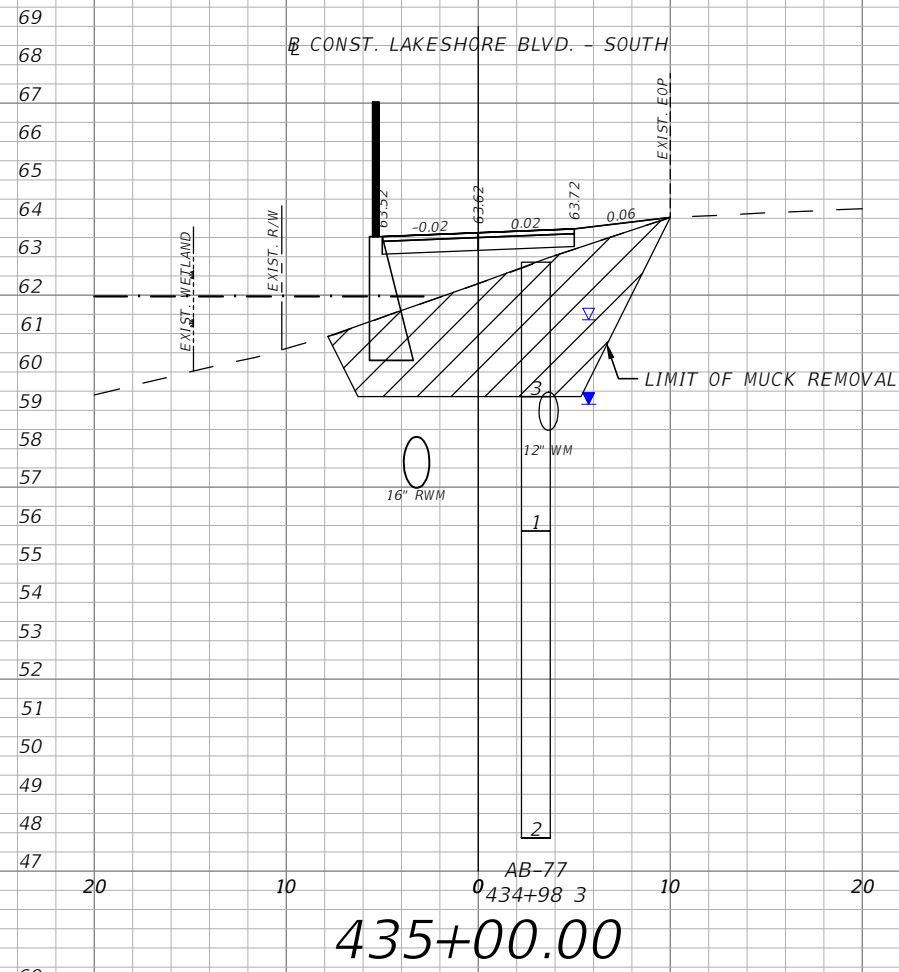


OSCEOLA COUNTY
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E. LAKESHORE BLVD. - SOUTH
 CROSS SECTIONS 12

SHEET
 NO.
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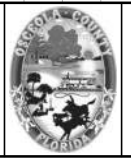


LEGEND
 - - - - FLOOD PLAIN

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

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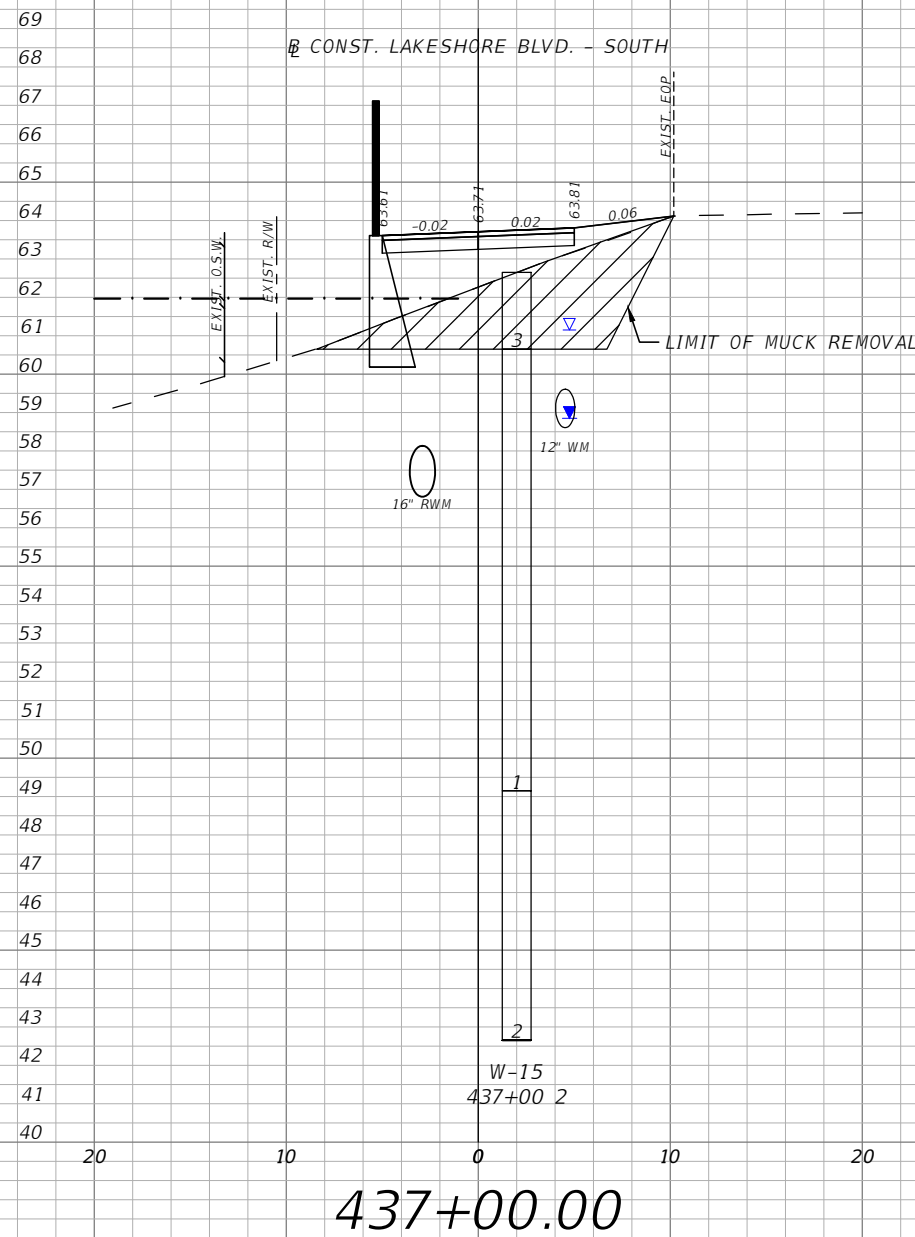


OSCEOLA COUNTY
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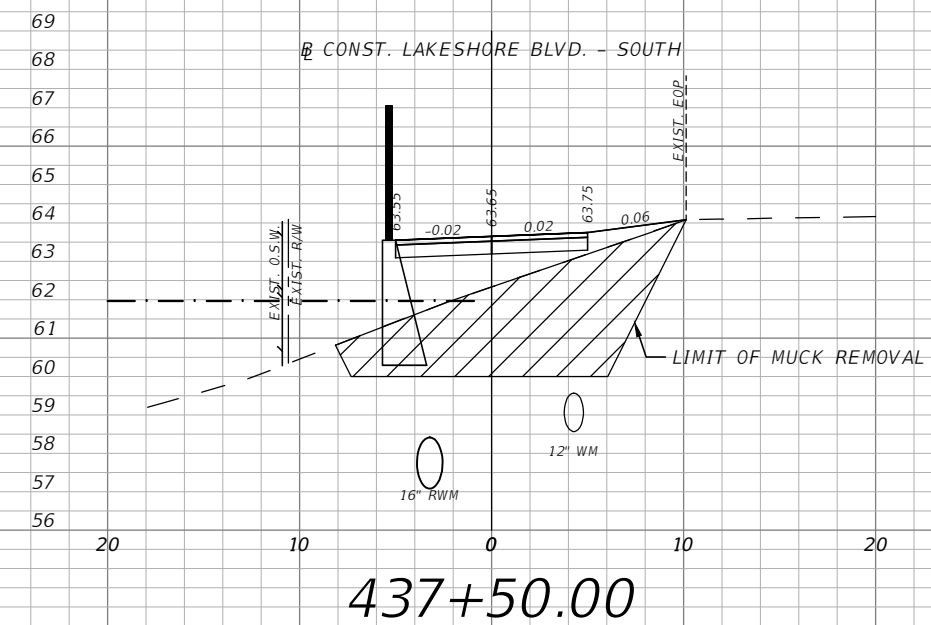
**E. LAKESHORE BLVD. - SOUTH
 CROSS SECTIONS 13**

SHEET
 NO.
 XS-90

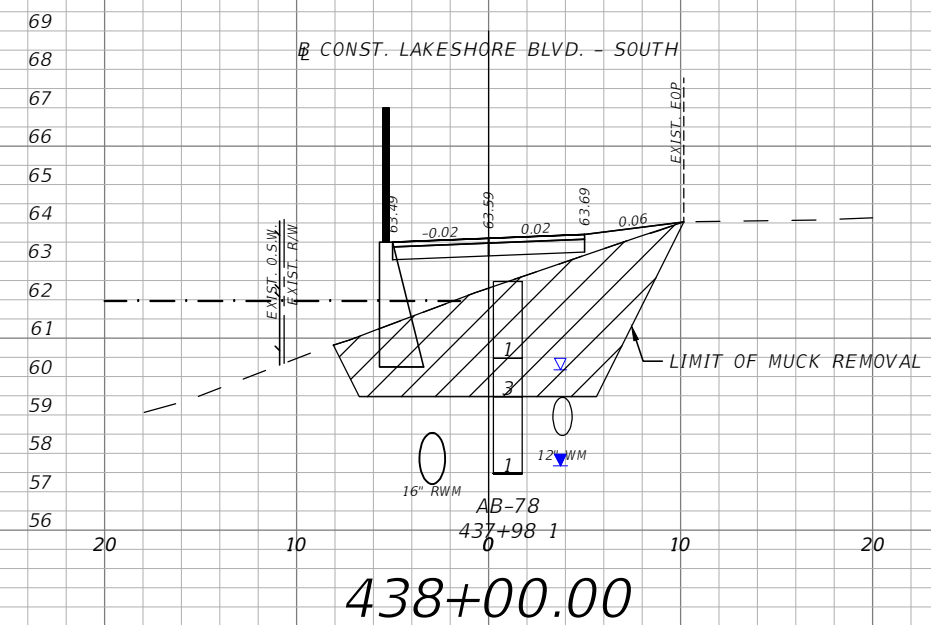
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437+00.00



437+50.00



438+00.00

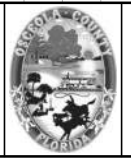
LEGEND
 - - - - FLOOD PLAIN

1" = 10' Horizontal
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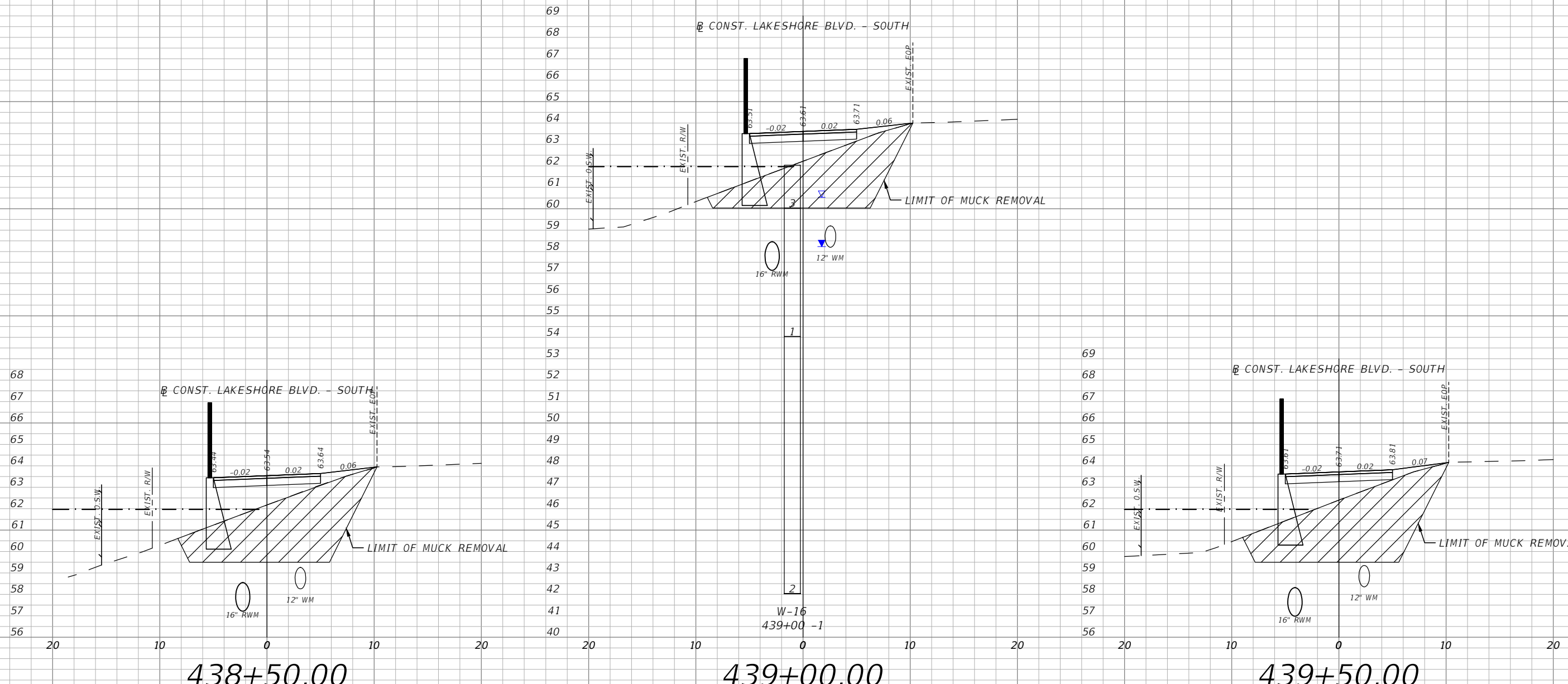


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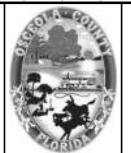
LEGEND
 - - - - FLOOD PLAIN

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

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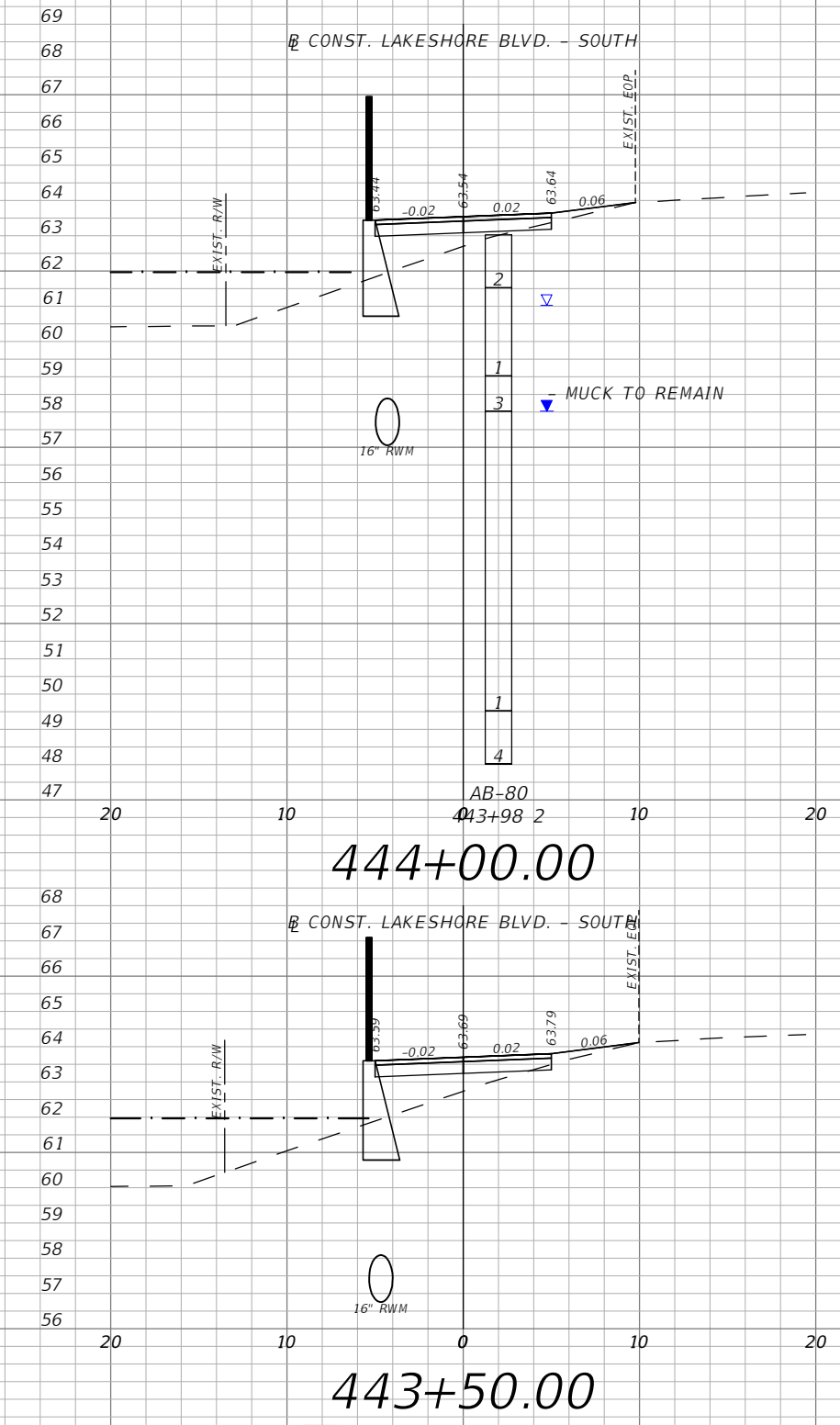
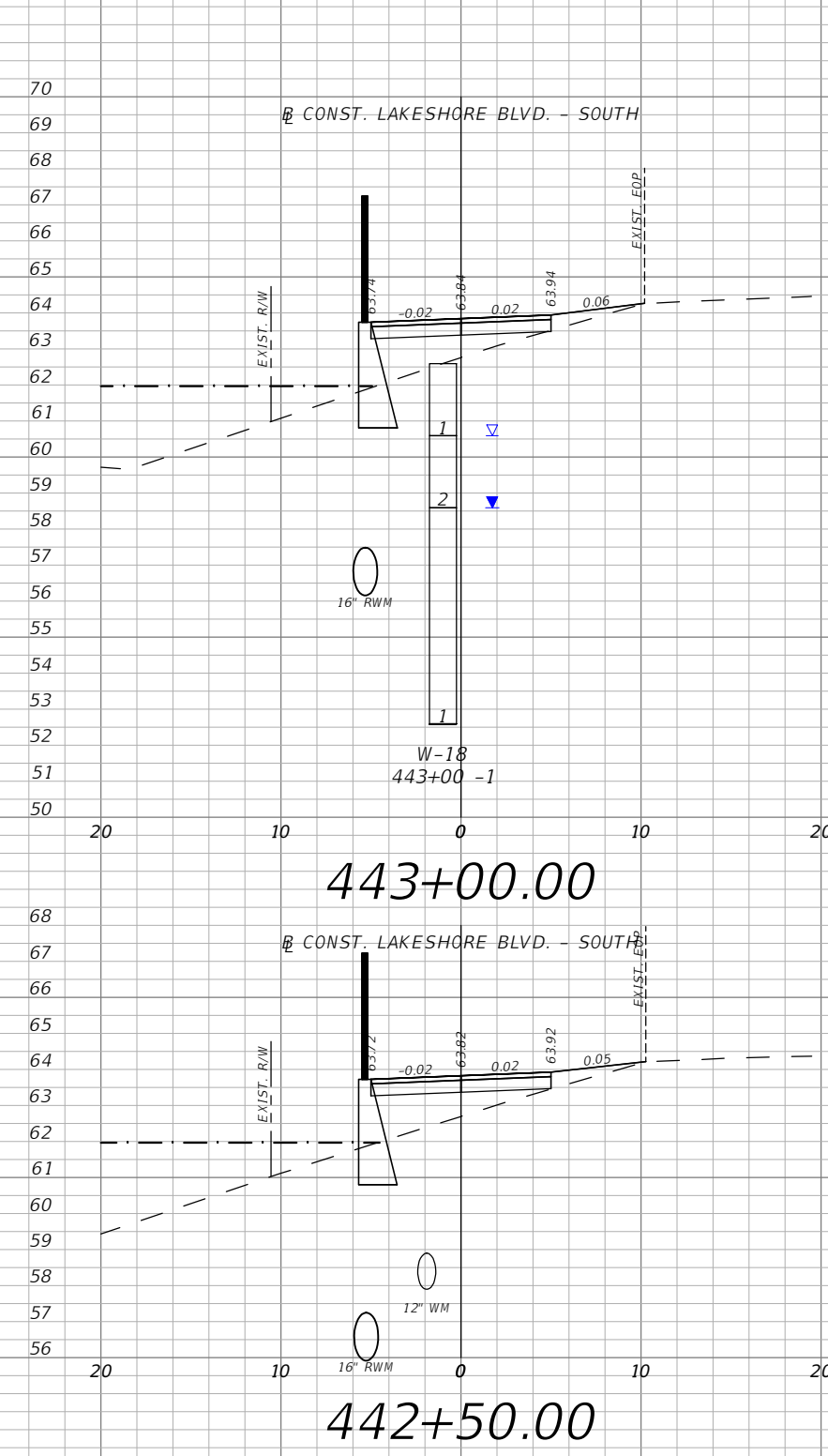
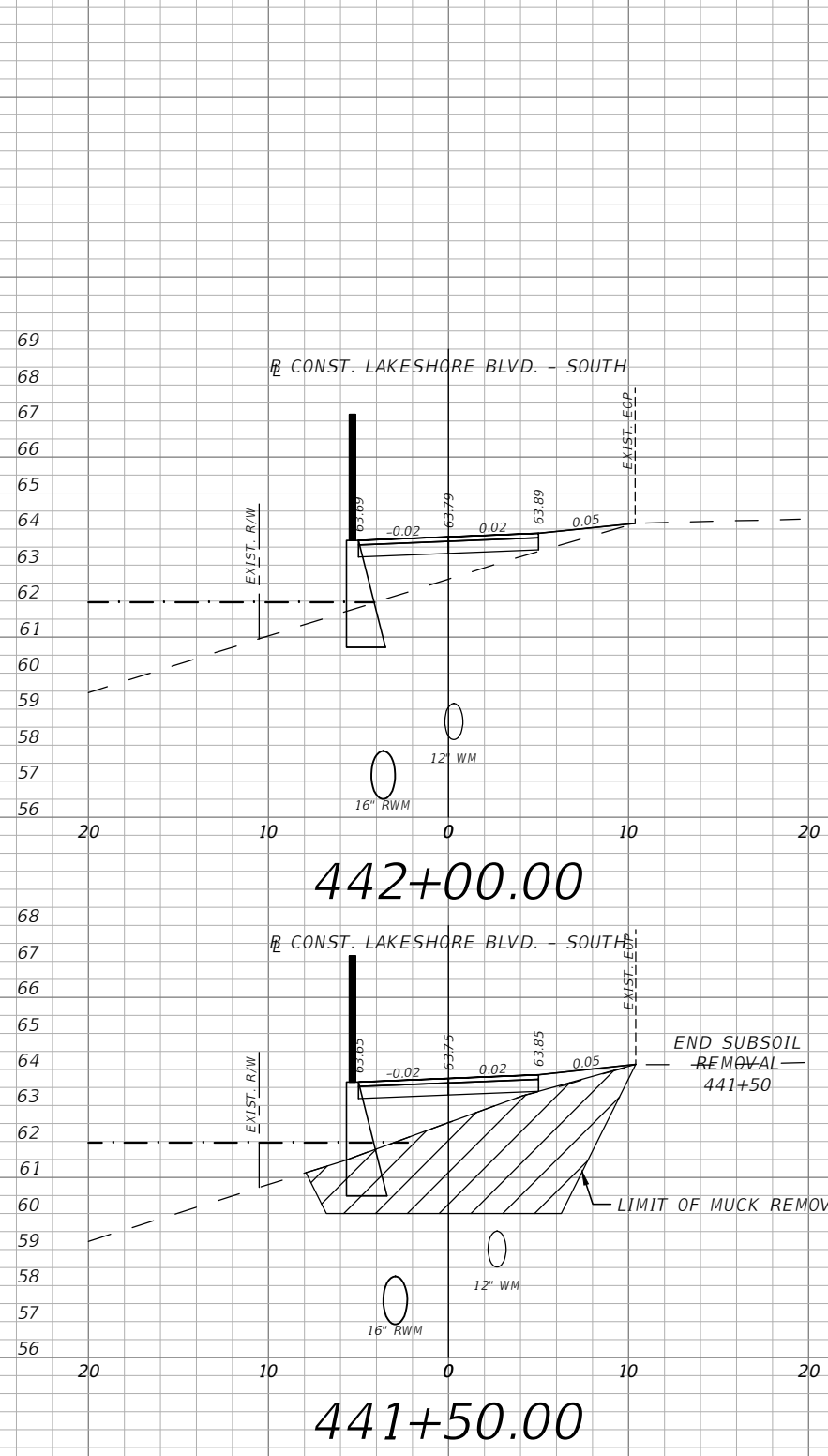


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 CROSS SECTIONS 15

SHEET
 NO.
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LEGEND
 - - - - FLOOD PLAIN

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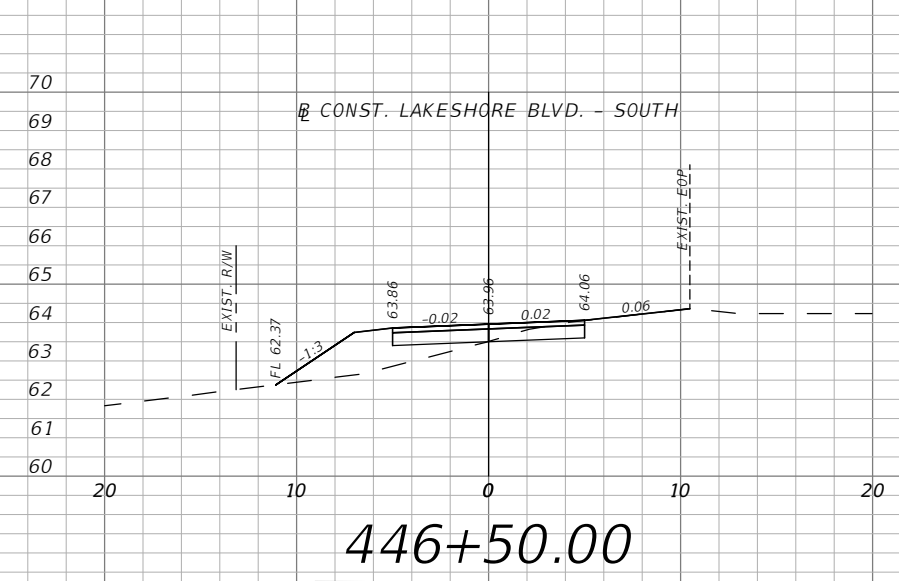
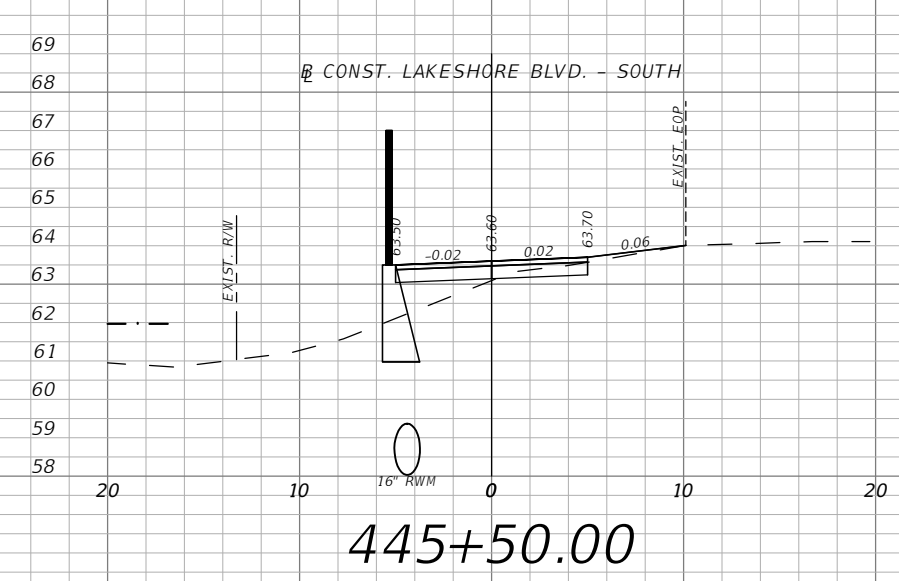
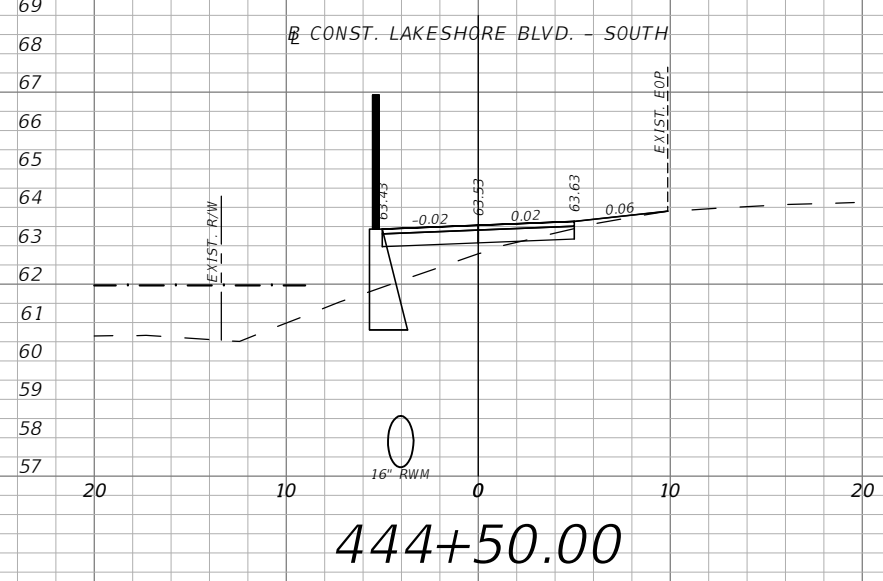
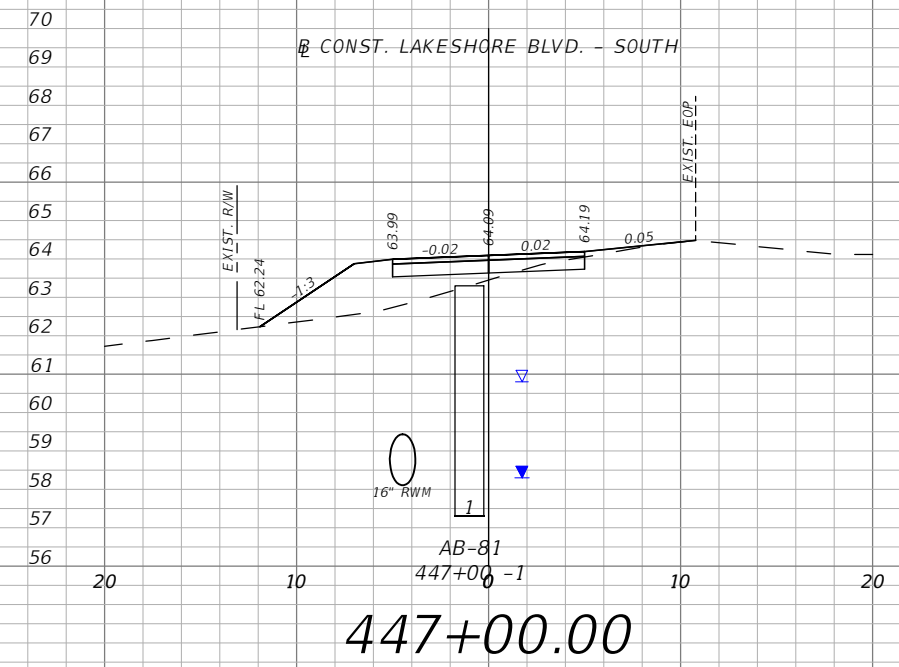
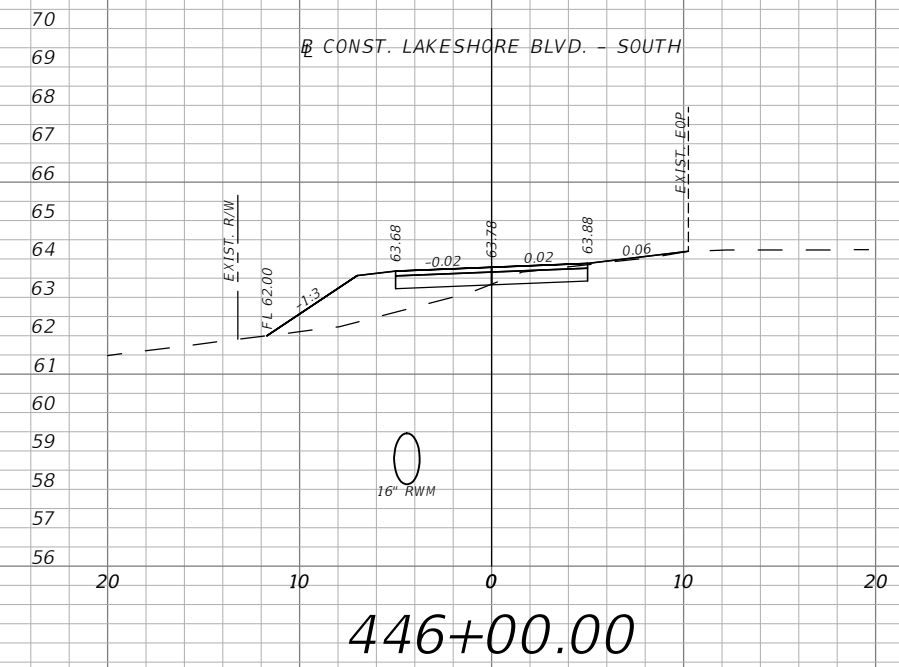
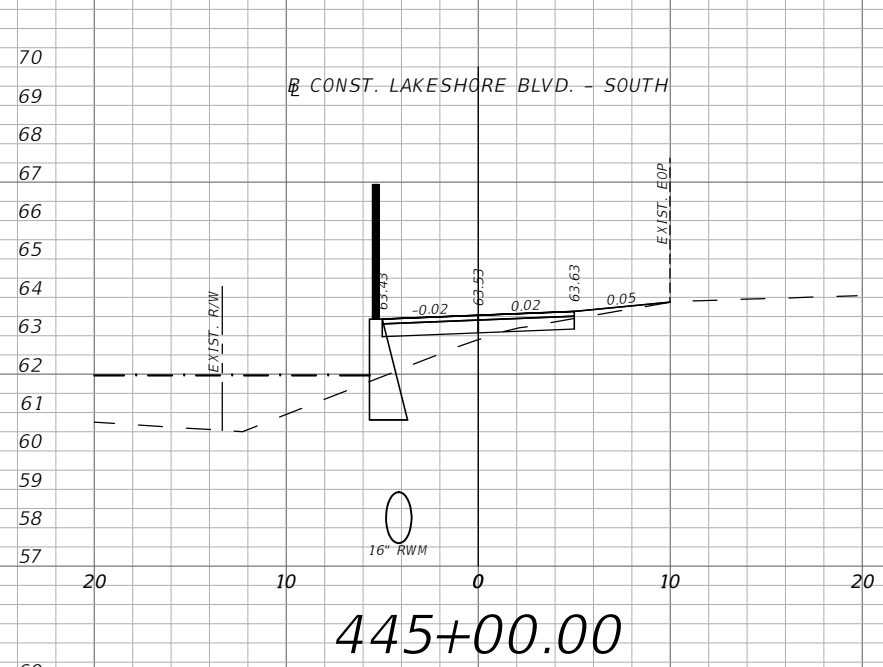


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 XS-94

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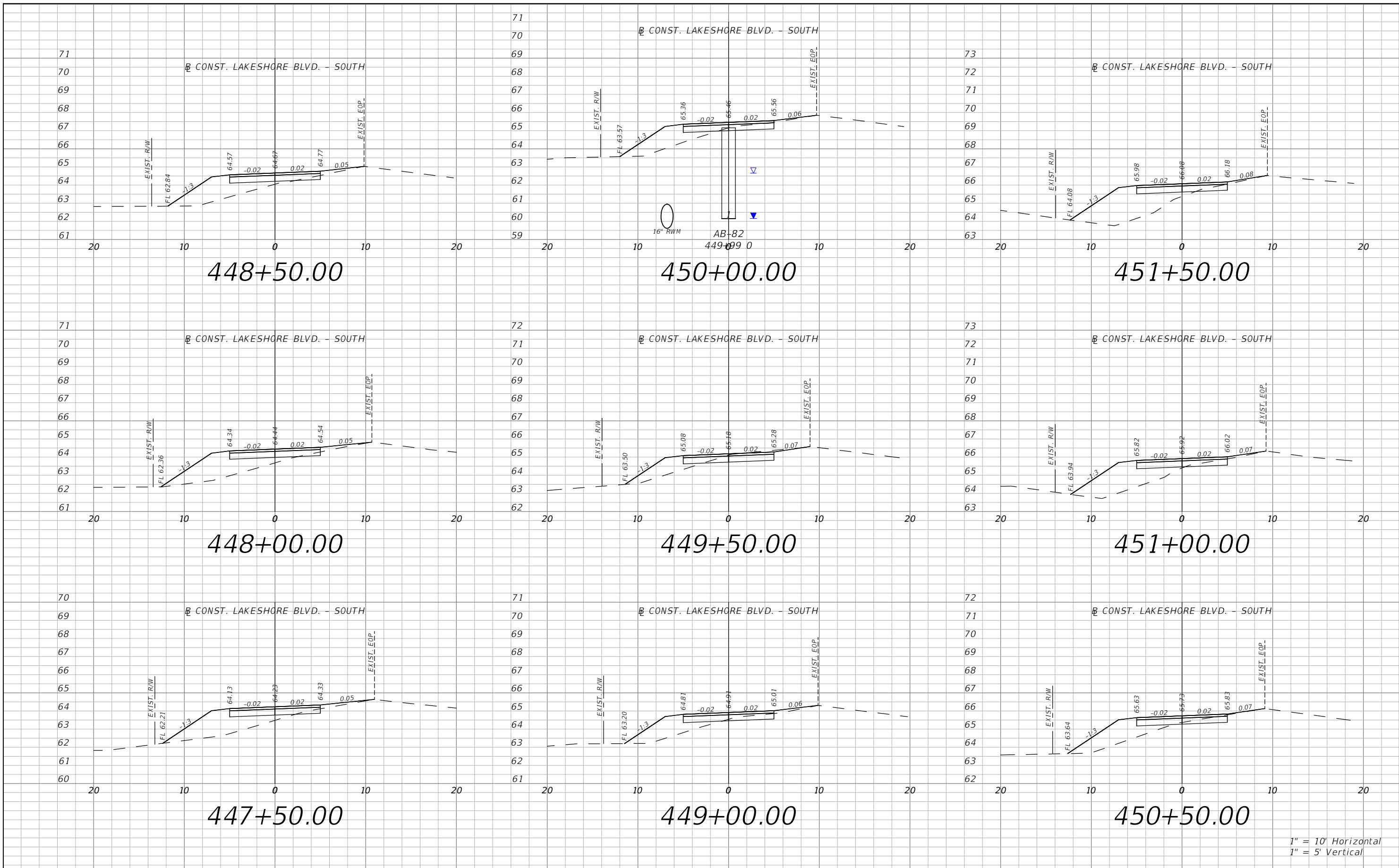


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SHEET
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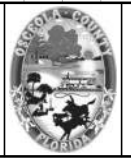


1" = 10' Horizontal
1" = 5' Vertical

REVISIONS			
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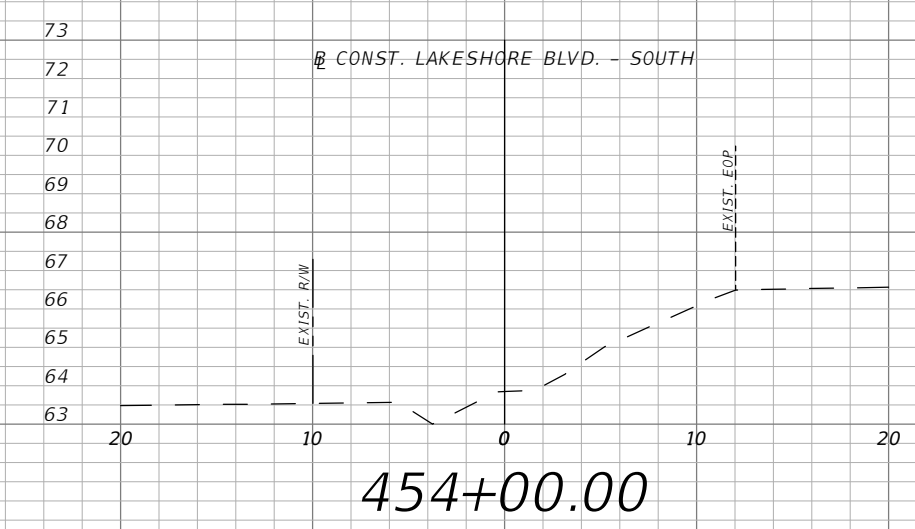
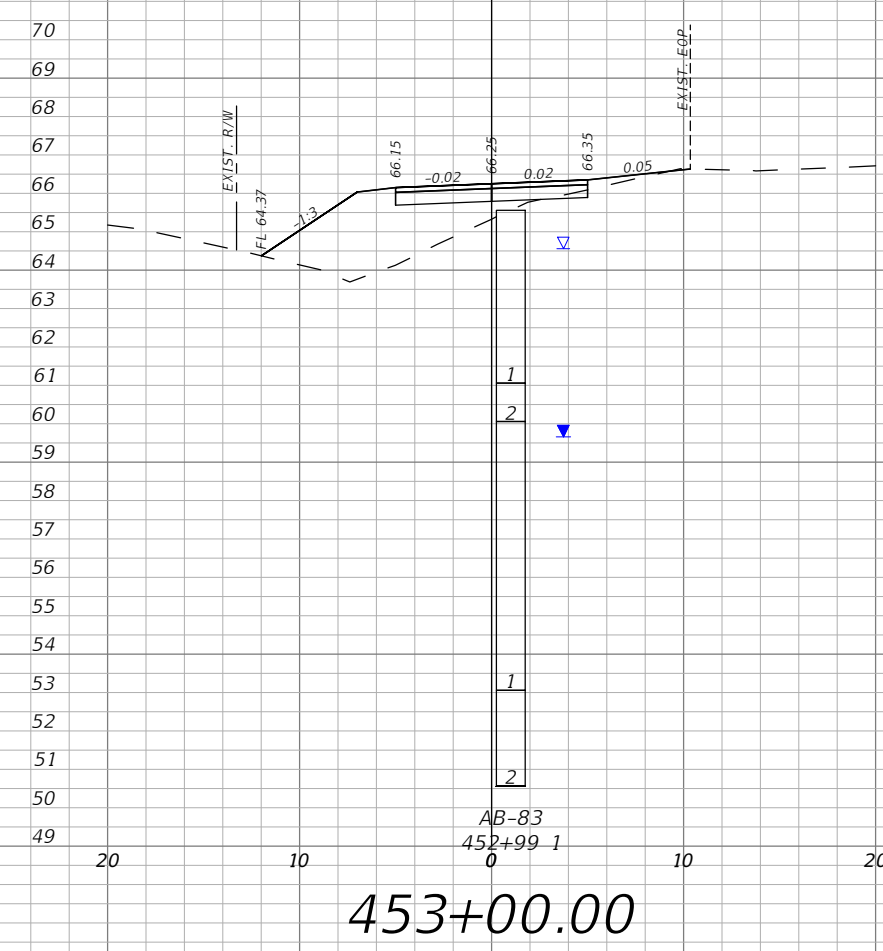
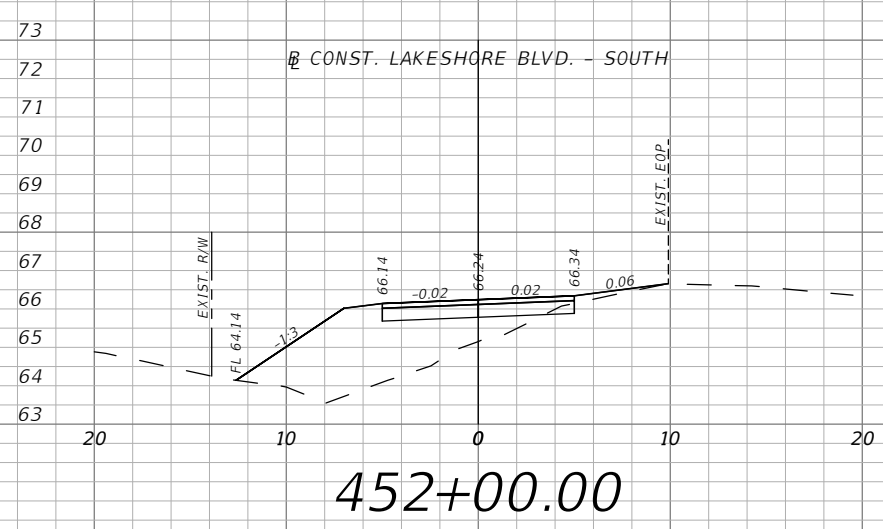
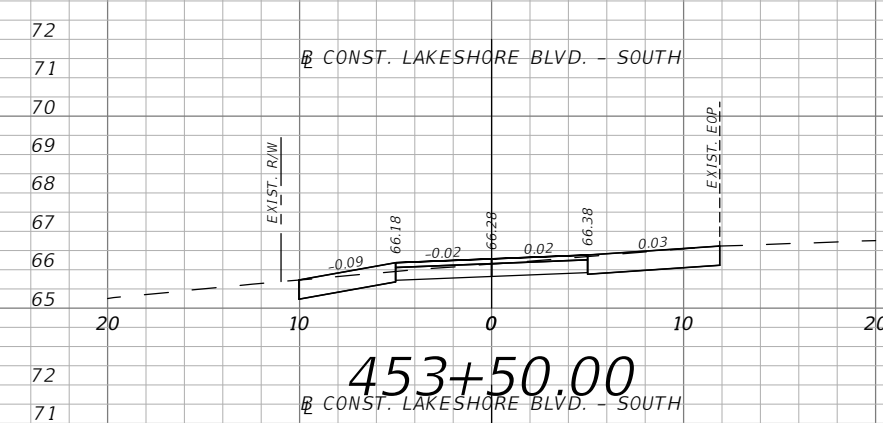
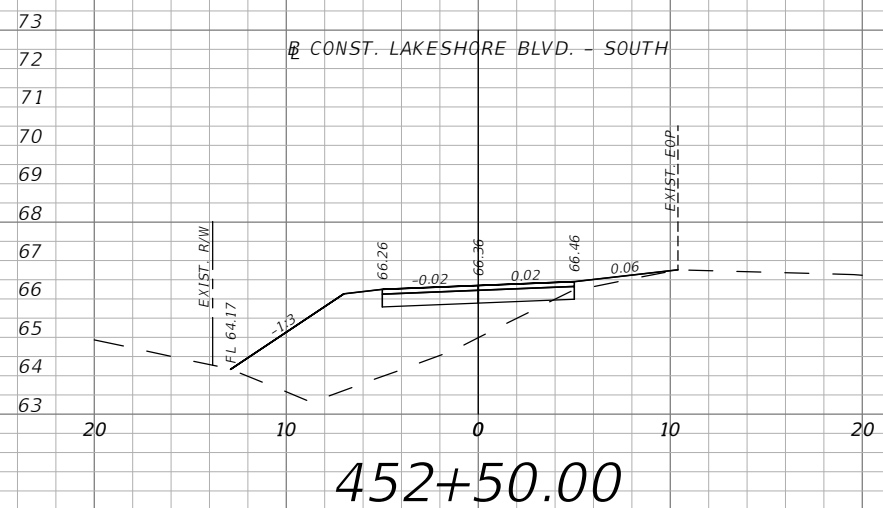


OSCEOLA COUNTY
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CROSS SECTIONS 19

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XS-96

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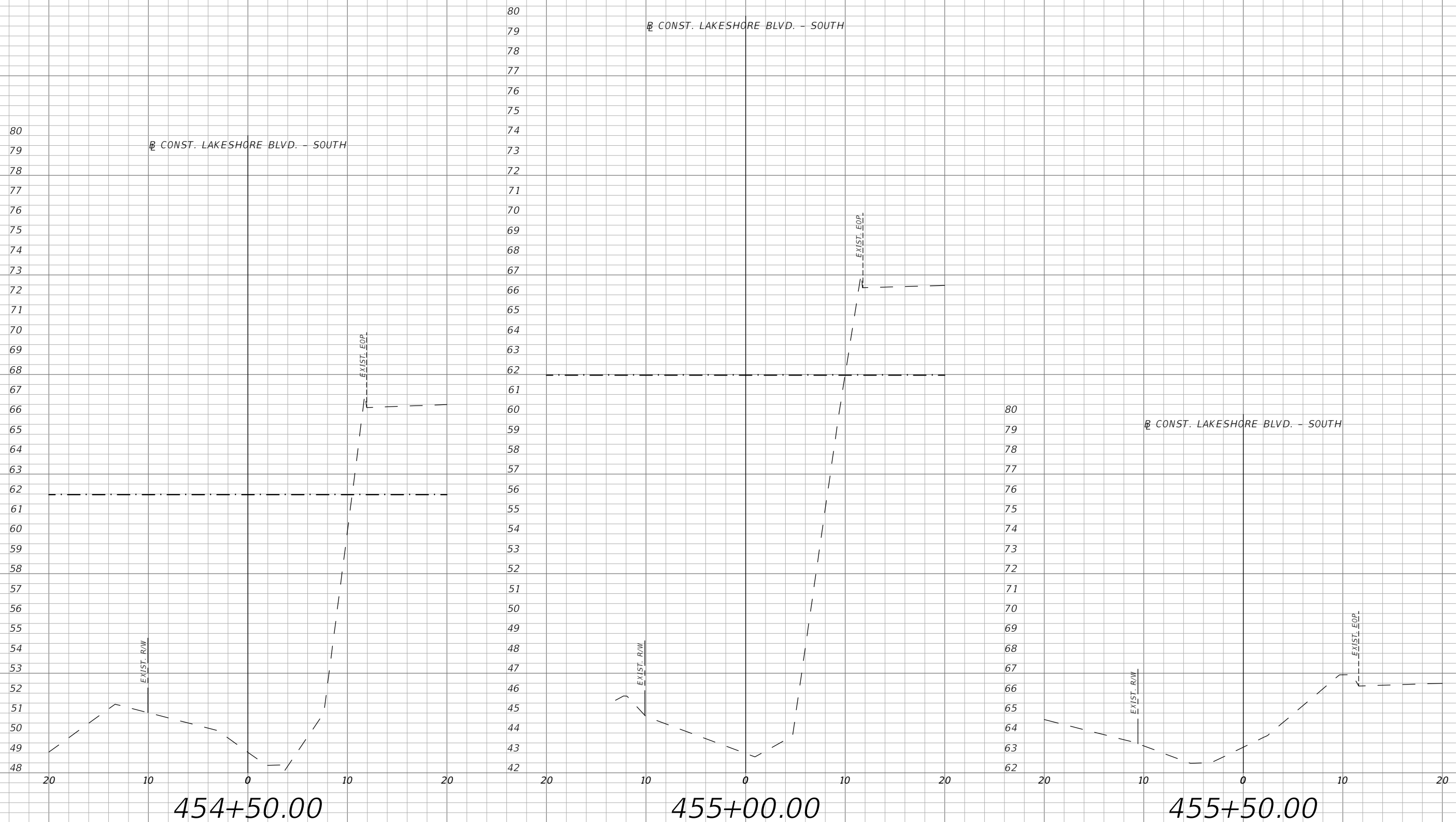


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E. LAKESHORE BLVD. - SOUTH
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SHEET
NO.
XS-97

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LEGEND
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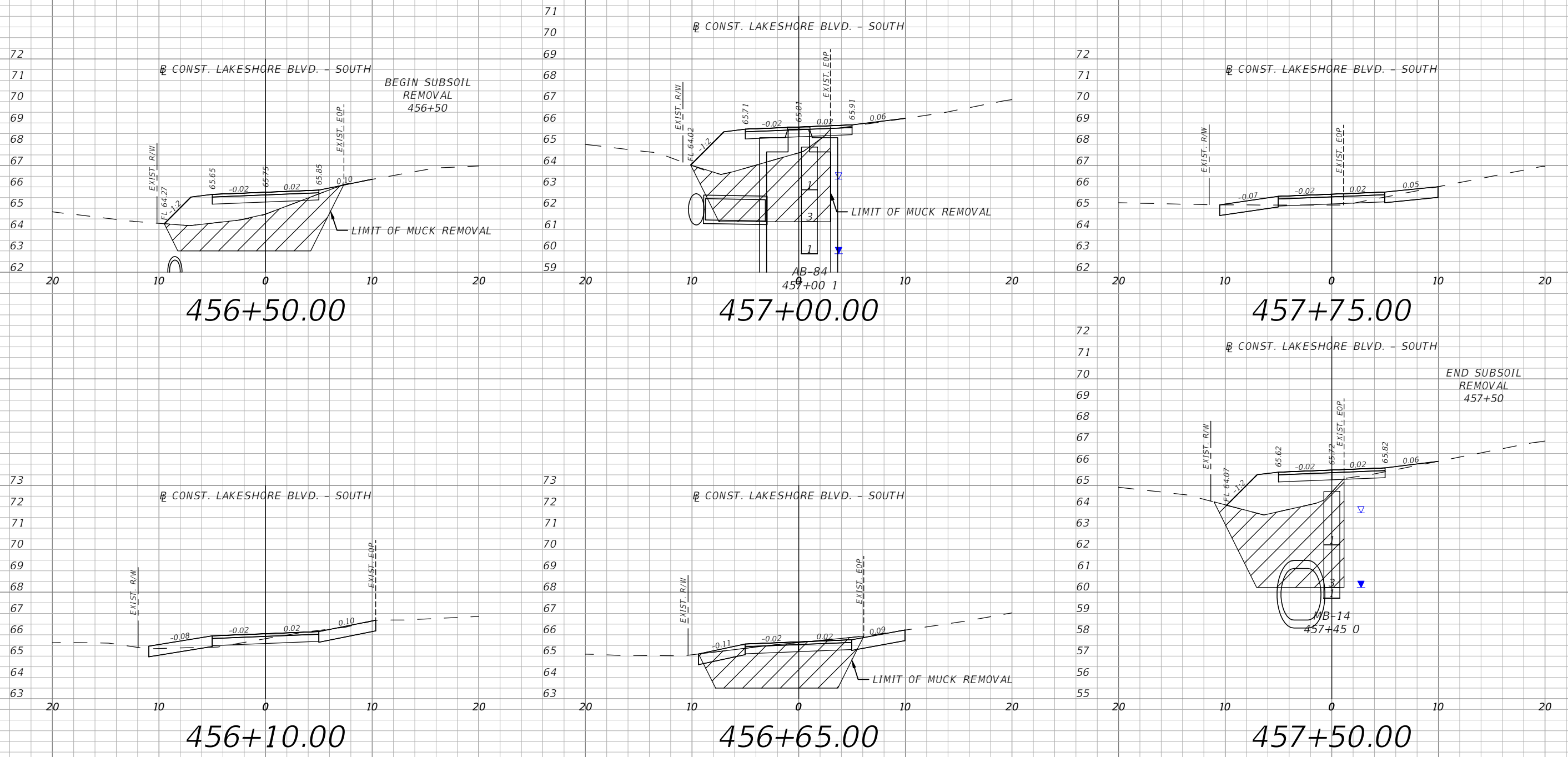


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**E. LAKESHORE BLVD. - SOUTH
 CROSS SECTIONS 21**

SHEET
 NO.
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1" = 10' Horizontal
1" = 5' Vertical

REVISIONS			
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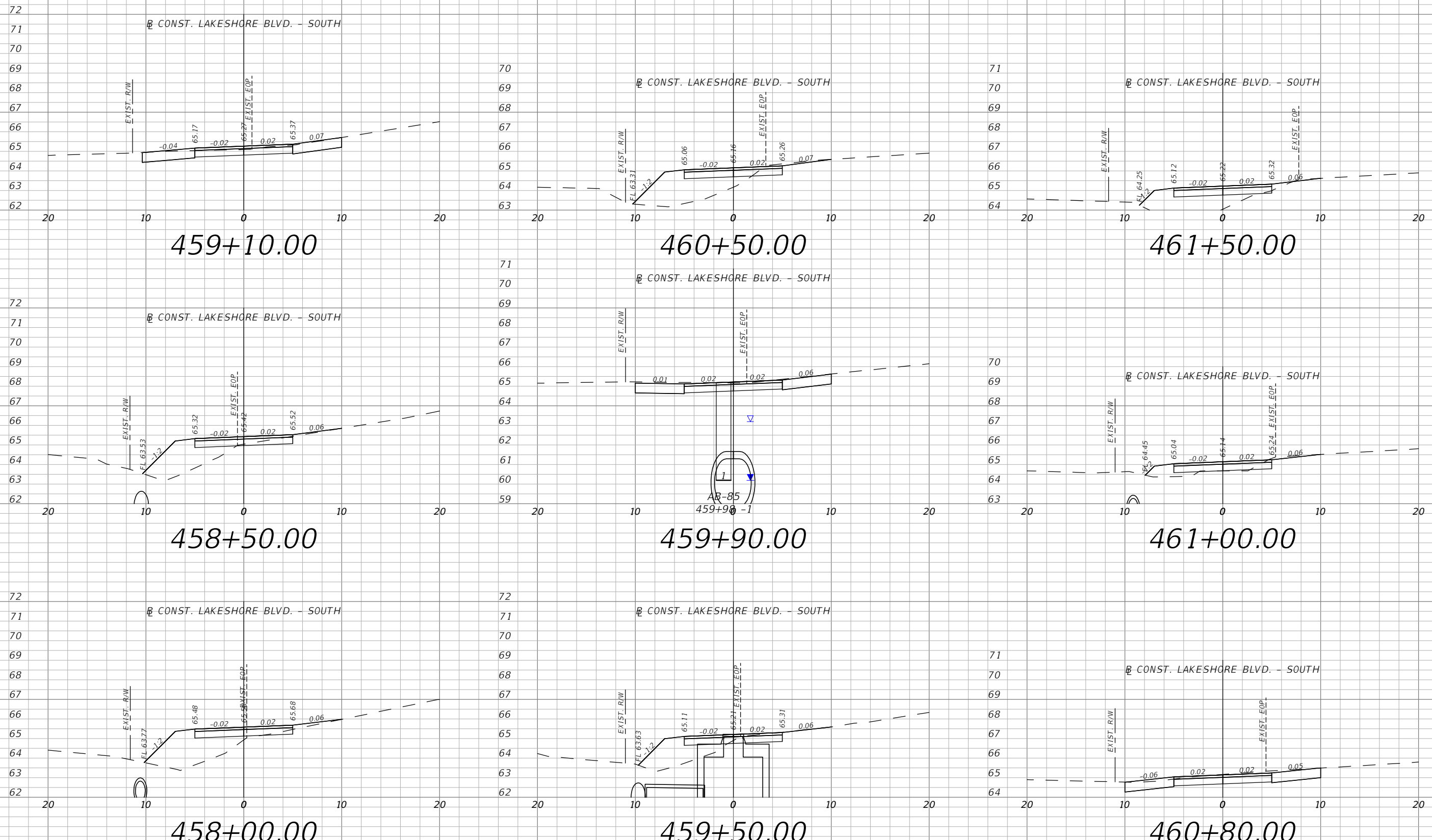


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**E. LAKESHORE BLVD. - SOUTH
CROSS SECTIONS 22**

SHEET
NO.
XS-99

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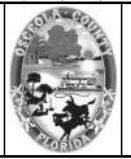


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DATE	DESCRIPTION	DATE	DESCRIPTION



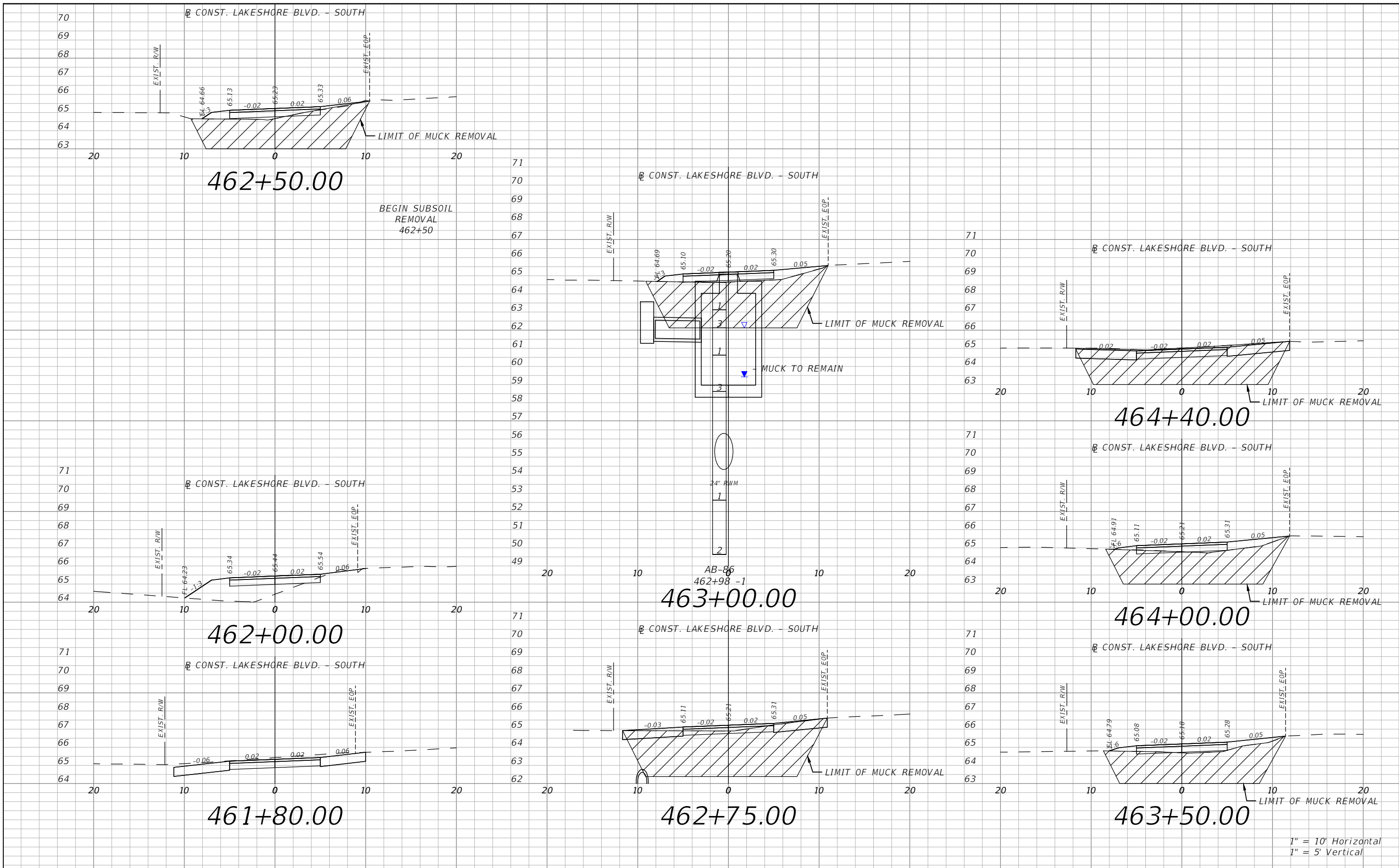
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PE # 63437



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E. LAKESHORE BLVD. - SOUTH
CROSS SECTIONS 23

SHEET NO.
XS-100



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION


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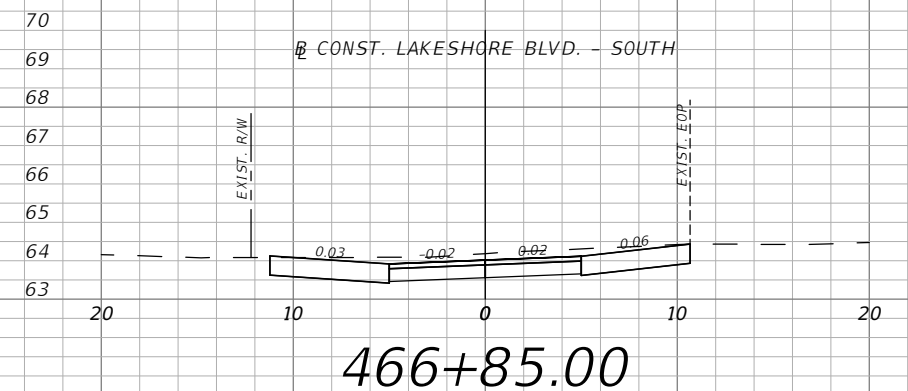
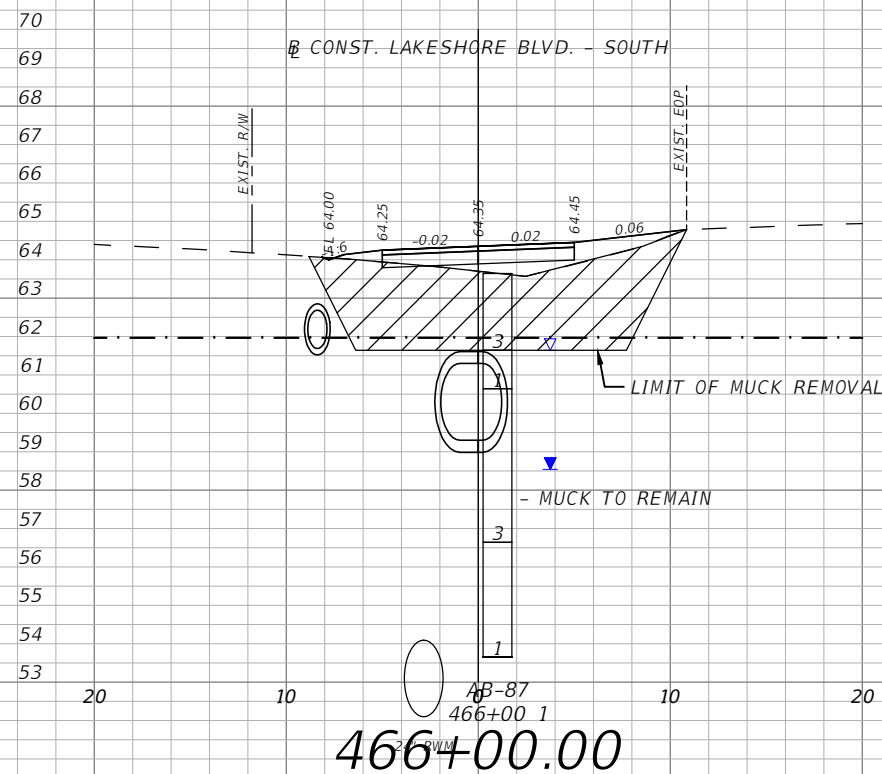
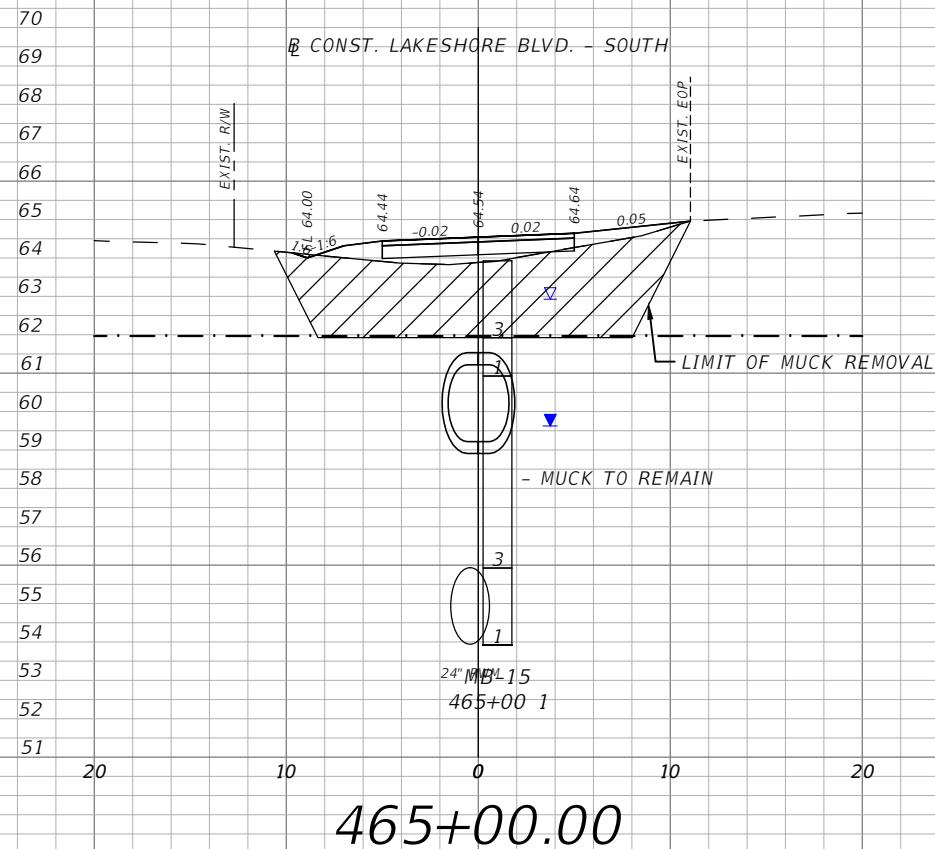
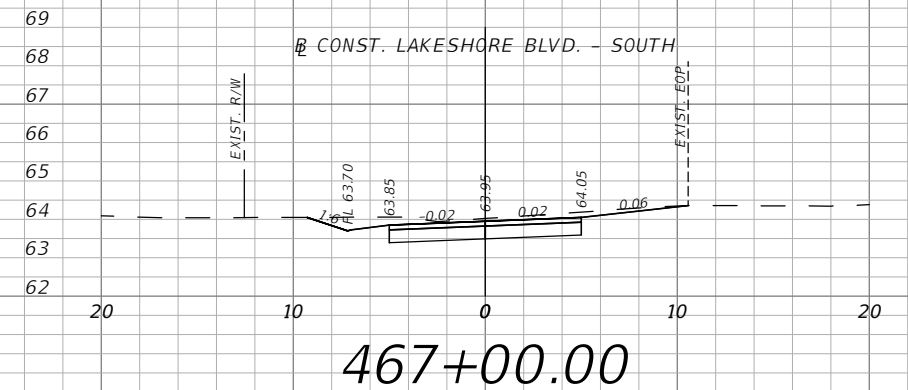
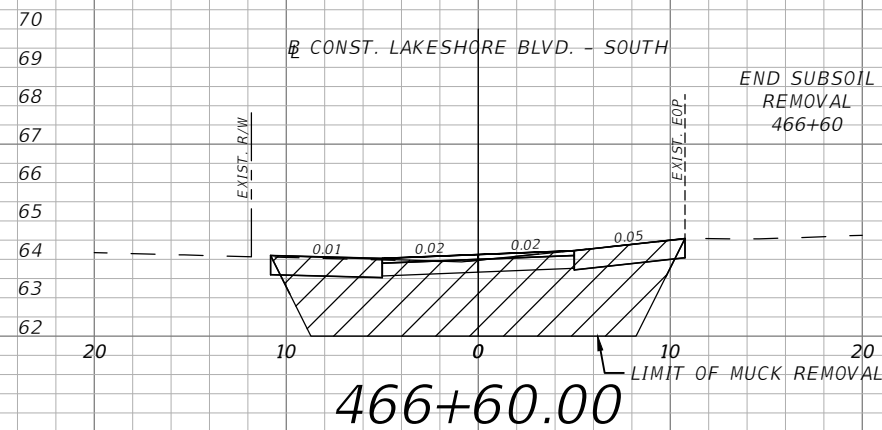
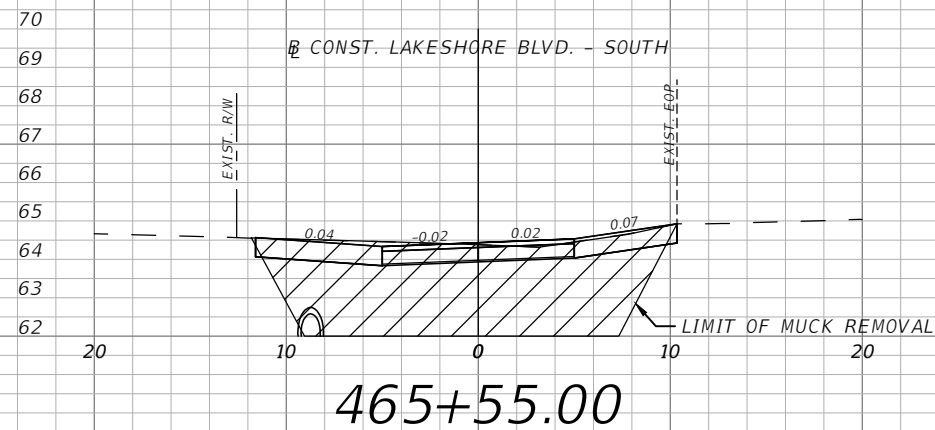


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E. LAKESHORE BLVD. - SOUTH
CROSS SECTIONS 24

SHEET NO.
XS-101

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LEGEND
 - - - - FLOOD PLAIN

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 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

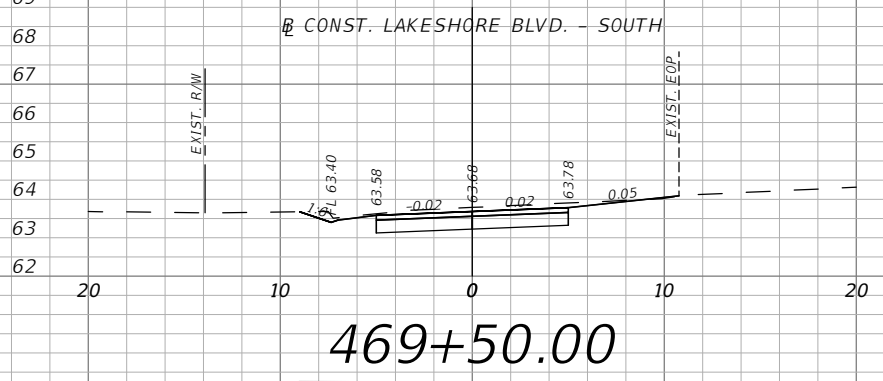
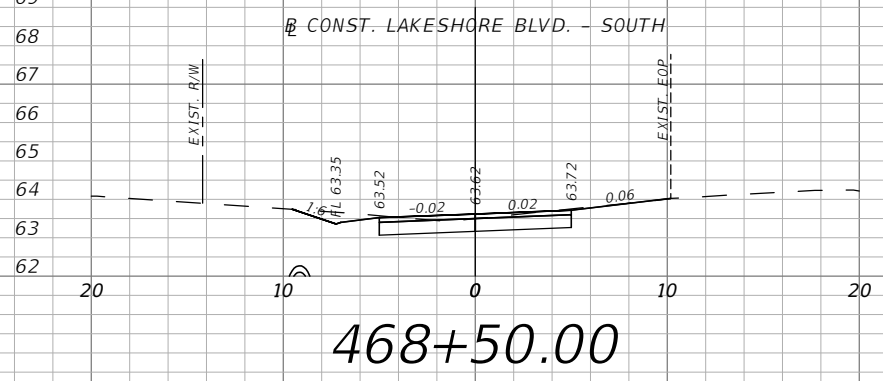
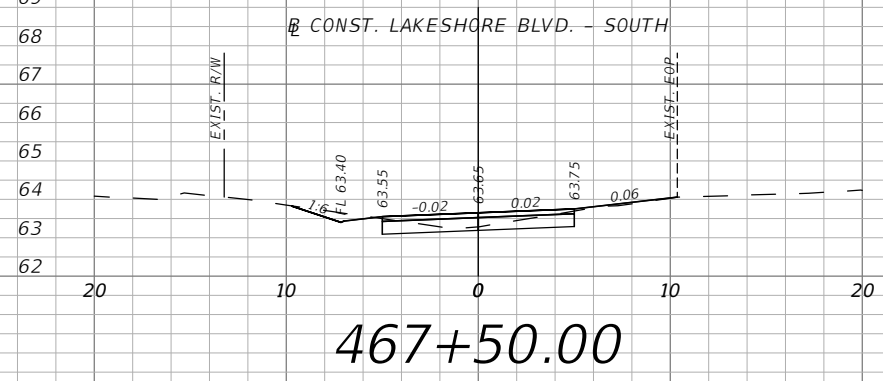
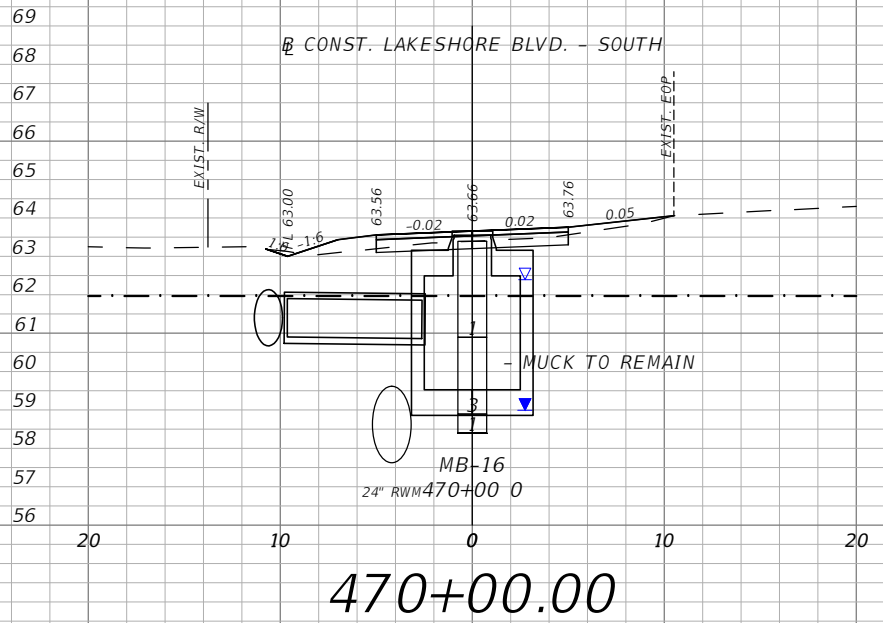
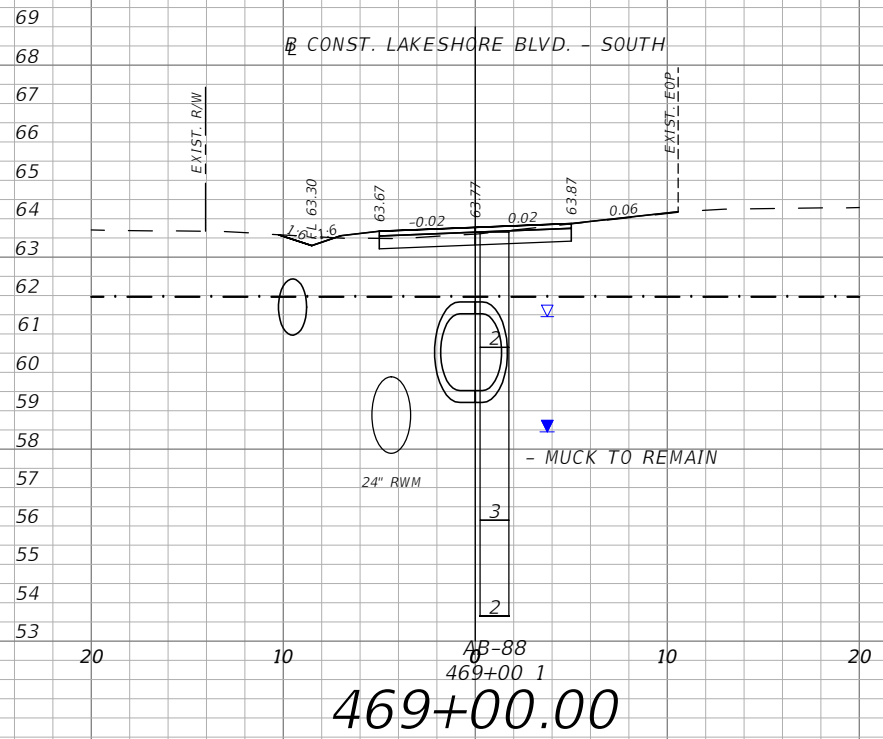
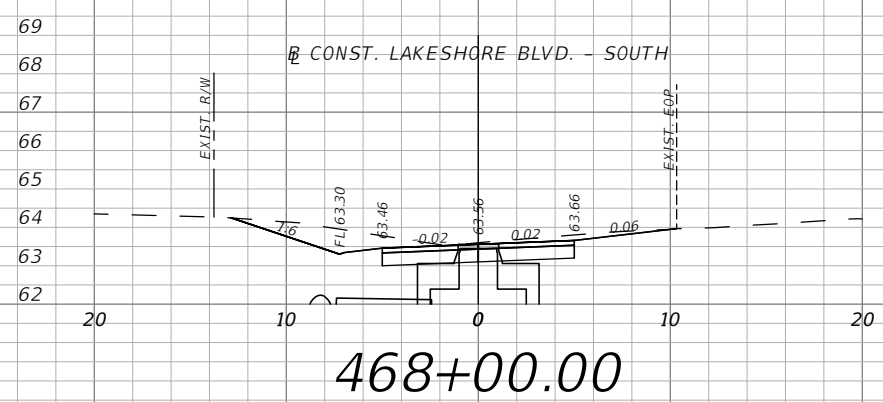
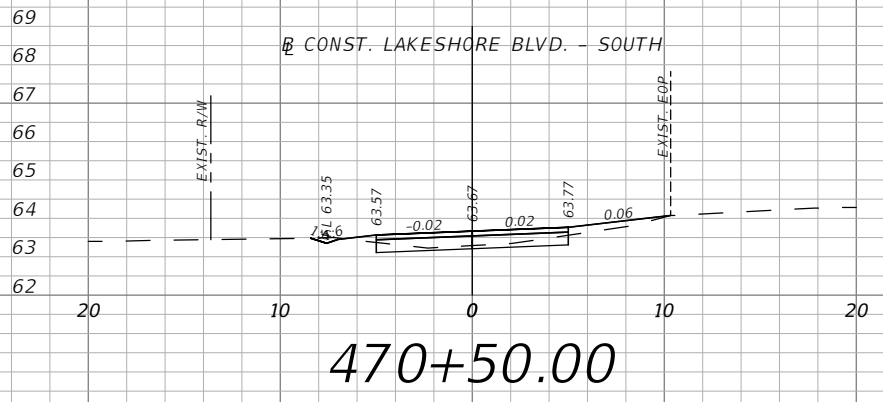
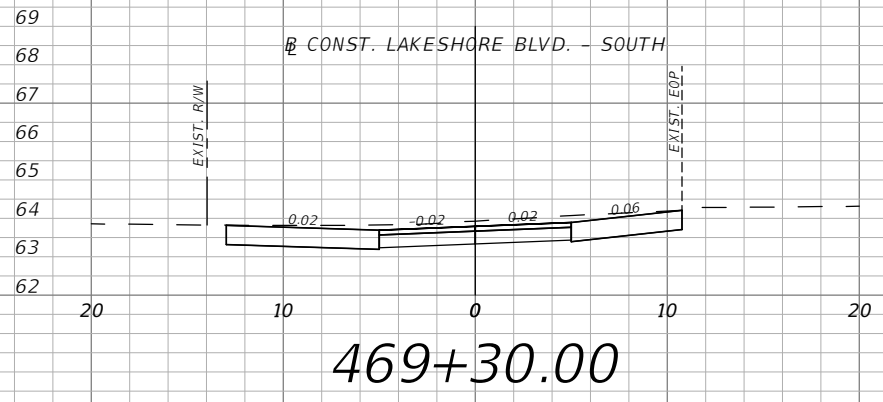
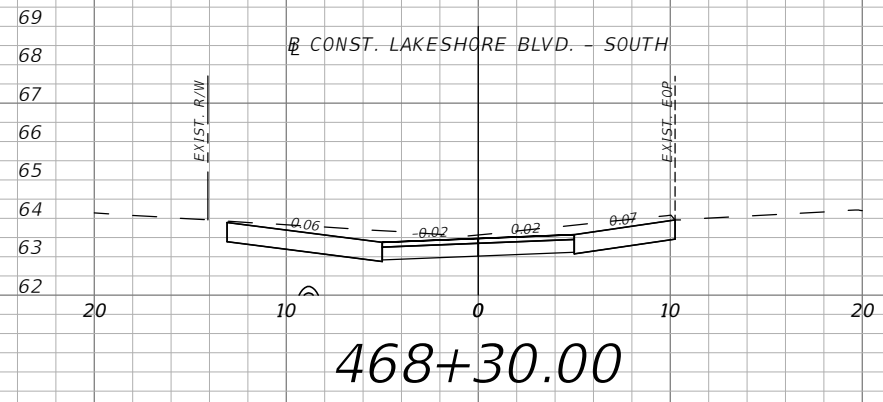
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 PE # 63437



OSCEOLA COUNTY
 FLORIDA

E. LAKESHORE BLVD. - SOUTH
 CROSS SECTIONS 25

SHEET
 NO.
 XS-102



LEGEND
 - - - - FLOOD PLAIN

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

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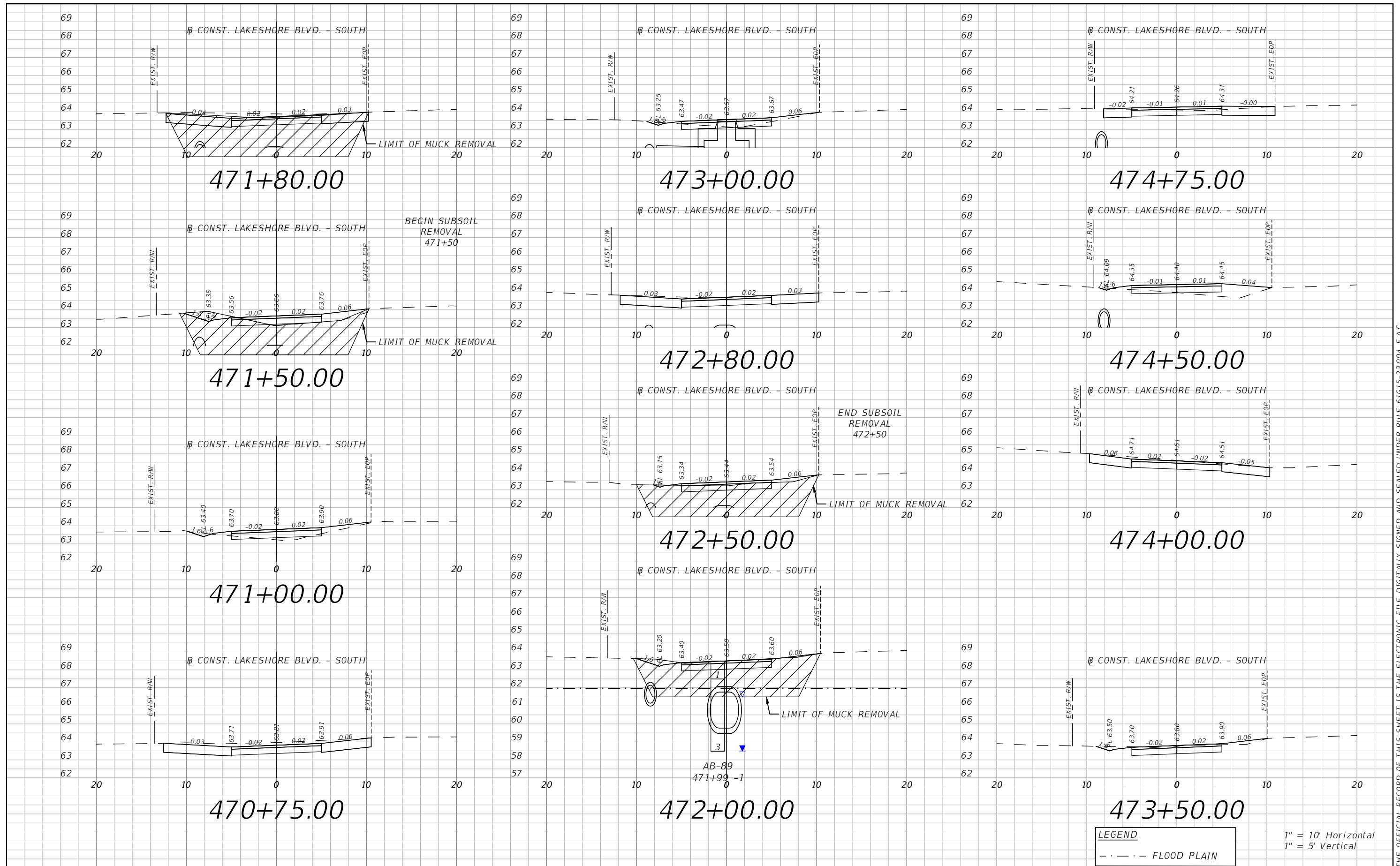


OSCEOLA COUNTY
 FLORIDA

E. LAKESHORE BLVD. - SOUTH
 CROSS SECTIONS 26

SHEET
 NO.
 XS-103

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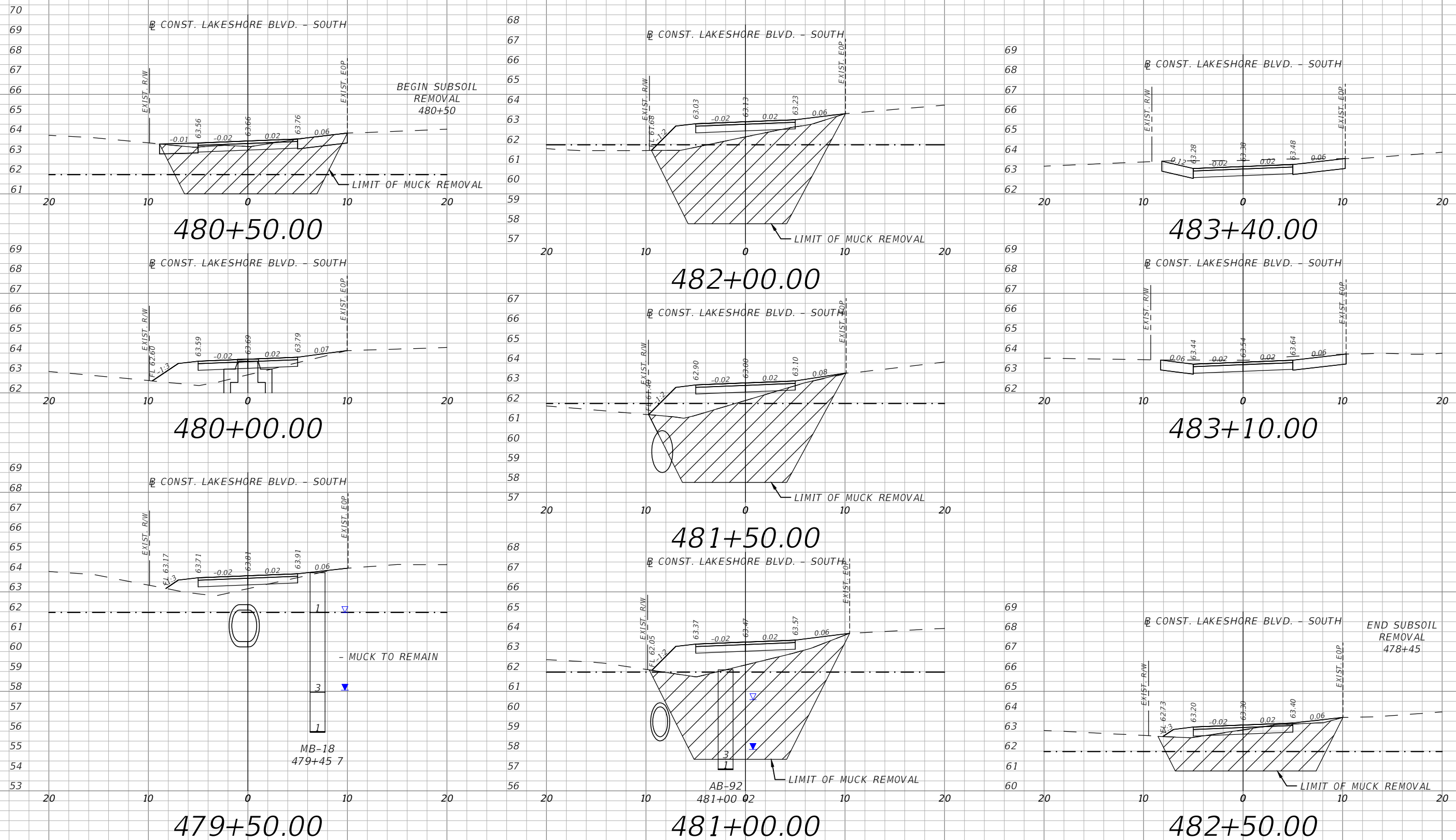


OSCEOLA COUNTY
FLORIDA

E. LAKESHORE BLVD. - SOUTH
CROSS SECTIONS 27

SHEET
NO.

XS-104

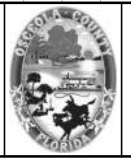


LEGEND
 - - - - FLOOD PLAIN

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

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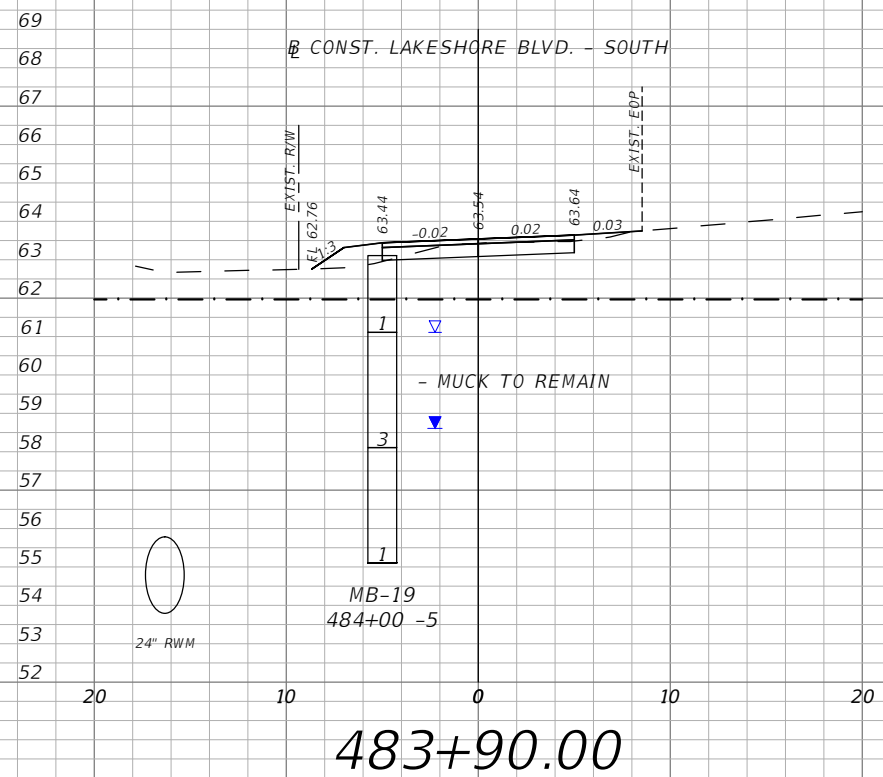


OSCEOLA COUNTY
 FLORIDA

E. LAKESHORE BLVD. - SOUTH
 CROSS SECTIONS 29

SHEET NO.
 XS-106

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LEGEND
 - · - · - FLOOD PLAIN

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

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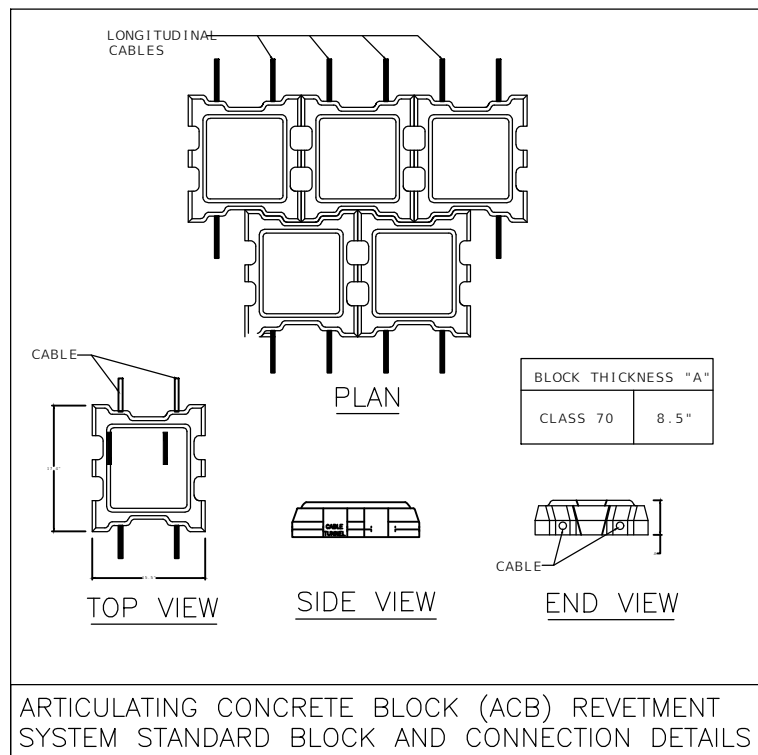


OSCEOLA COUNTY
 FLORIDA

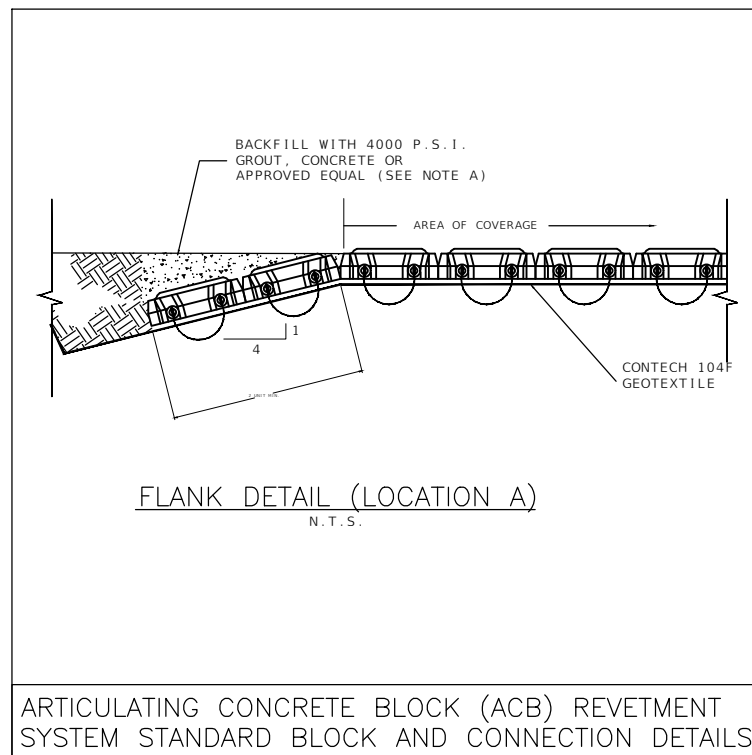
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CROSS SECTIONS 30

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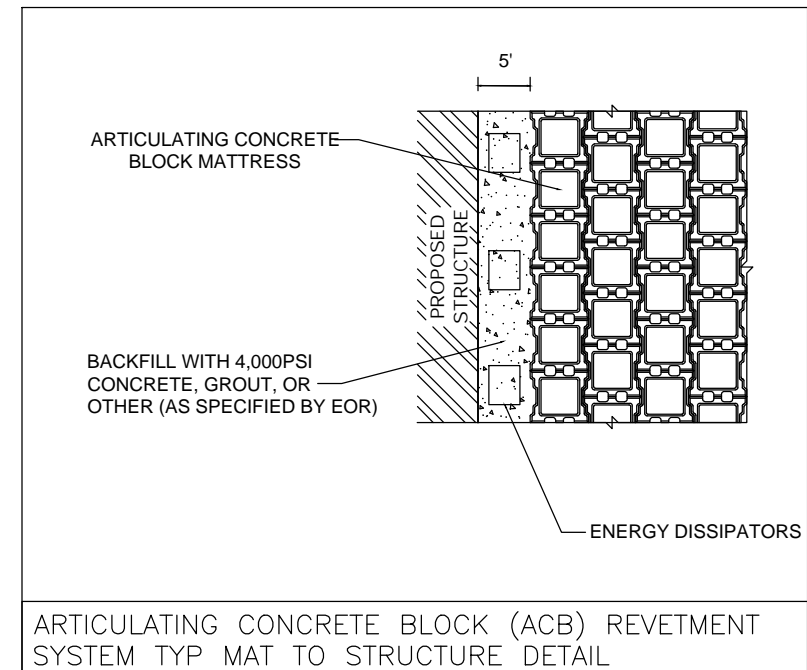
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ARTICULATING CONCRETE BLOCK (ACB) REVETMENT SYSTEM STANDARD BLOCK AND CONNECTION DETAILS

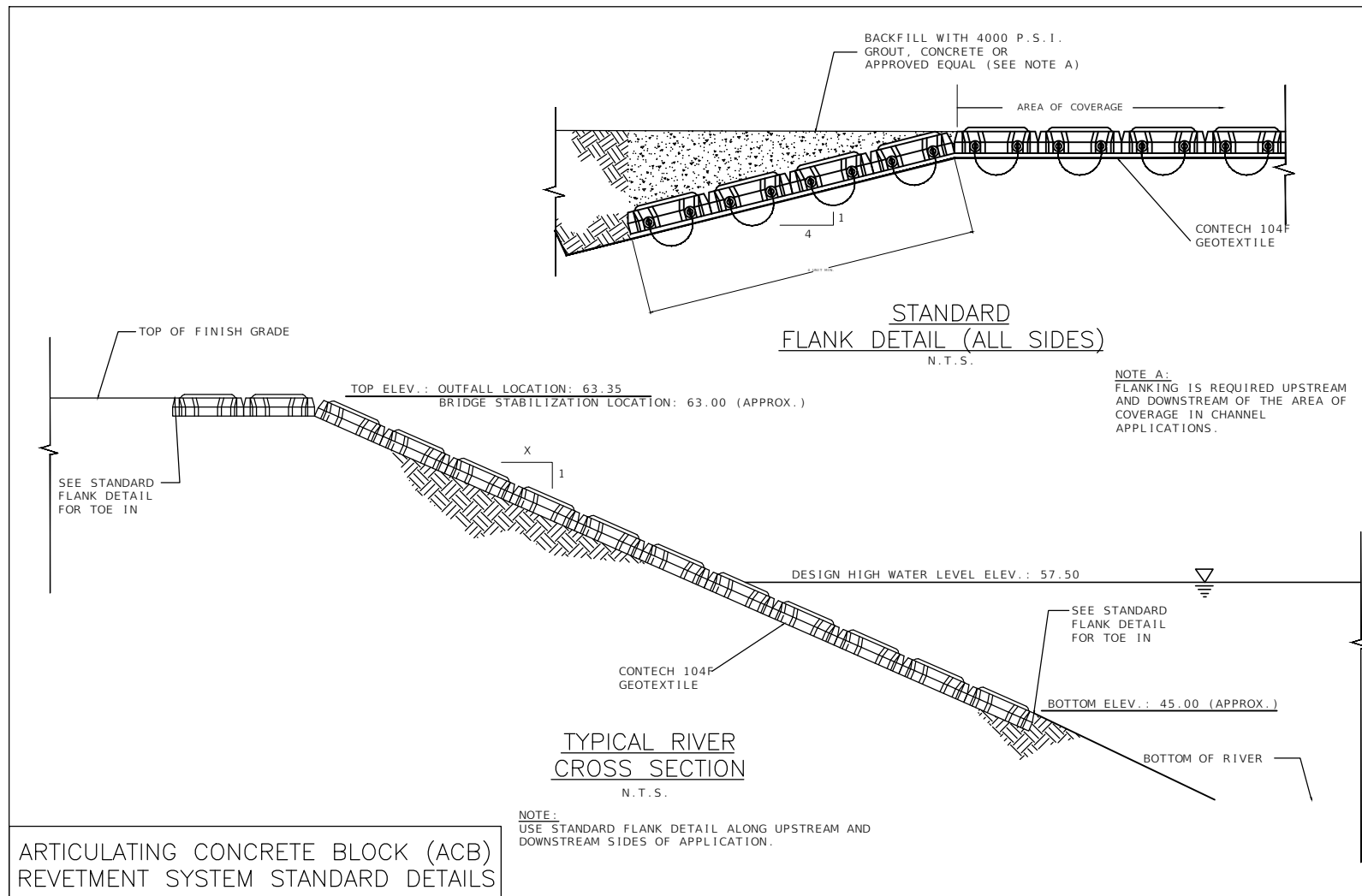


ARTICULATING CONCRETE BLOCK (ACB) REVETMENT SYSTEM STANDARD BLOCK AND CONNECTION DETAILS

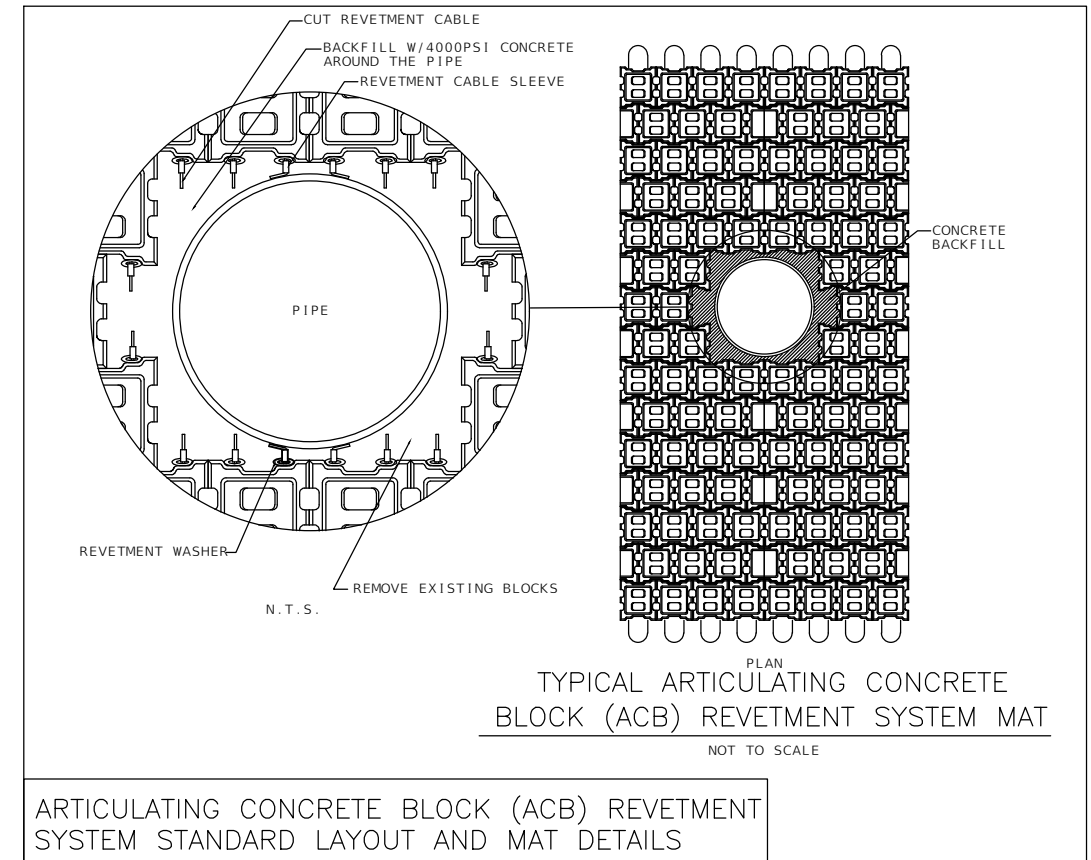


ARTICULATING CONCRETE BLOCK (ACB) REVETMENT SYSTEM TYP MAT TO STRUCTURE DETAIL

- NOTE**
1. THE DETAIL ILLUSTRATES THE INTENT OF WORK TO BE CONDUCTED.
 2. THE CONTRACTOR MAY USE OTHER EQUIVALENT PRODUCTS AT THE PROJECT ENGINEER'S APPROVAL.



ARTICULATING CONCRETE BLOCK (ACB) REVETMENT SYSTEM STANDARD DETAILS



ARTICULATING CONCRETE BLOCK (ACB) REVETMENT SYSTEM STANDARD LAYOUT AND MAT DETAILS

REVISIONS			
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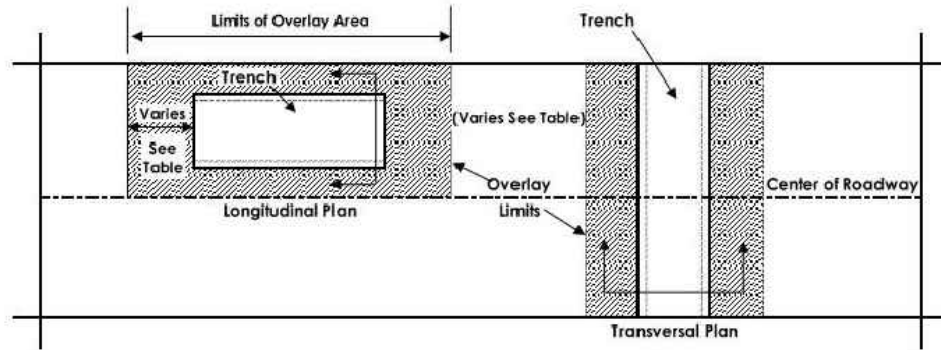


OSCEOLA COUNTY
FLORIDA

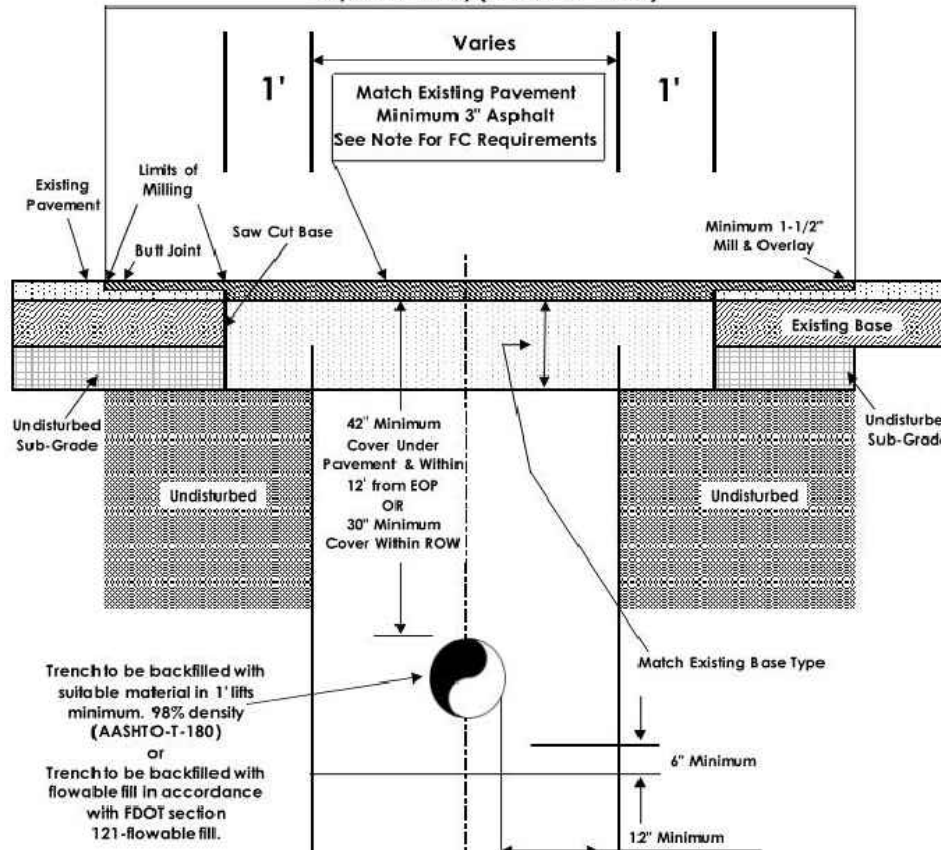
ARTICULATING CONCRETE BLOCK
(ACB) REVETMENT SYSTEM
DETAILS

SHEET
NO.
DT-1

**OSCEOLA COUNTY
STANDARD OPEN CUT DETAIL FOR ARTERIAL AND COLLECTOR ROADWAYS**



Asphalt Overlay (Varies See Chart)



Trench to be backfilled with suitable material in 1' lifts minimum. 98% density (AASHTO-T-180) or Trench to be backfilled with flowable fill in accordance with FDOT section 121-flowable fill.

- General Notes**
1. Follow the latest edition of the FDOT standard for road & bridge and design standards.
 2. All excavation shall be performed in accordance with O.S.H.A. trench safety requirements.
 3. If the existing pavement contains FC, then the milling depth will be increased for the FC thickness.
 4. Open-Cuts are not permitted if the road is newer than 5 years.
 5. Open-Cuts in a median opening require milling and resurfacing from travel lane to travel lane and median nose to median nose.

Overlay Conditions:
Open-Cuts shall be prepared as specified within

Speed-MPH Req.	Overlay Each
25 to 40	20 Feet
45 to 50	50 Feet
55 & Up	100 Feet

All striping, reflectors or other markings obliterated by overlaying shall be restored in accordance with FDOT standards prior to initial acceptance of Osceola County.

NOTE:
FOR SIDE STREETS, OVERLAY SHOULD START AT THE TRAVEL LANE TO 10 FT PAST THE TRENCH LINE.

Revised 10/26/17

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OSCEOLA COUNTY
FLORIDA

PAVEMENT RESTORATION
DETAIL

SHEET
NO.
DT-2

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STORMWATER POLLUTION PREVENTION PLAN: LAKESHORE TRAIL
OSCEOLA COUNTY, FLORIDA.

1.0 SITE DESCRIPTION:

1.A. NATURE OF CONSTRUCTION ACTIVITY:

THIS PROJECT INCLUDES THE ADDITION OF A SEVEN MILE, 10 FT WIDE TRAIL. THE PROJECT WILL START AT THE INTERSECTION OF FORTUNE ROAD AND US 192, AND CONTINUE EAST ALONG FORTUNE ROAD, OVER THE TURNPIKE (SR-91) BRIDGE THROUGH SIMPSON ROAD, AND THEN SOUTH ONTO LAKE SHORE BOULEVARD, PAST PARTIN SETTLEMENT ROAD. THE TRAIL WILL CONTINUE SOUTH ON LAKE SHORE BOULEVARD, PAST THE C-31 CANAL BRIDGE, AND CONNECT INTO THE EXISTING TRAIL JUST NORTH OF COLUMBIA AVENUE. THE EXISTING DRAINAGE PATTERNS WILL BE MAINTAINED WITHIN THE ENTIRE PROJECT LIMITS. EXISTING DITCHES WILL BE MAINTAINED OR REGRADED TO PROVIDE POSITIVE DRAINAGE AND EQUIVALENT VOLUME TO EXISTING OUTFALLS.

1.B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

1. CLEARING AND GRUBBING, EARTHWORK, AND STORM DRAIN CONSTRUCTION FOR THE OUTFALL TO THE CANALS.
2. STORM DRAIN CONSTRUCTION. CONSTRUCT THE STORM DRAIN PIPE IN THE UPSTREAM DIRECTION.
3. EARTHWORK ASSOCIATED WITH THE CONSTRUCTION OF TRAIL.

1.C. AREA ESTIMATES:

TOTAL SITE AREA: 30.14 ACRES
TOTAL AREA TO BE DISTURBED: 30.14 ACRES

1.D. RUNOFF DATA:

RUNOFF COEFFICIENTS:

BEFORE: 0.41
DURING: VARIES FROM 0.41 TO 0.59
AFTER: 0.59

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

1.E. OUTFALL INFORMATION:

THERE ARE 11 OUTFALLS.

#1 DESCRIPTION: EXISTING BASS SLOUGH CANAL AT STA. 156+25.00

LOCATION: LATITUDE 28° 18' 15" N, LONGITUDE 81° 21' 31" W
EST. DRAINAGE AREA SIZE: 3.07 ACRES

RECEIVING WATER NAME: EAST LAKE TOHOPEKALIGA

#2 DESCRIPTION: EXISTING UNNAMED DITCH AT STA. 212+40.00

LOCATION: LATITUDE 28° 18' 15" N, LONGITUDE 81° 20' 49" W
EST. DRAINAGE AREA SIZE: 1.76 ACRES

RECEIVING WATER NAME: EAST LAKE TOHOPEKALIGA

#3 DESCRIPTION: EXISTING UNNAMED CANAL AT STA. 312+80.00

LOCATION: LATITUDE 28° 18' 8" N, LONGITUDE 81° 19' 20" W
EST. DRAINAGE AREA SIZE: 4.2 ACRES

RECEIVING WATER NAME: EAST LAKE TOHOPEKALIGA

#4 DESCRIPTION: EXISTING UNNAMED CANAL AT STA. 371+60.00

LOCATION: LATITUDE 28° 17' 10" N, LONGITUDE 81° 19' 17" W
EST. DRAINAGE AREA SIZE: 2.56 ACRES

RECEIVING WATER NAME: EAST LAKE TOHOPEKALIGA

#5 DESCRIPTION: EXISTING UNNAMED CANAL AT STA. 387+95.00
LOCATION: LATITUDE 28° 16' 55" N, LONGITUDE 81° 19' 11" W
EST. DRAINAGE AREA SIZE: 6.43 ACRES
RECEIVING WATER NAME: EAST LAKE TOHOPEKALIGA

#6 DESCRIPTION: EXISTING CANAL AT STA. 401+60.00
LOCATION: LATITUDE 28° 16' 37" N, LONGITUDE 81° 19' 0" W
EST. DRAINAGE AREA SIZE: 1.48 ACRES
RECEIVING WATER NAME: EAST LAKE TOHOPEKALIGA

#7 DESCRIPTION: EXISTING CANAL AT STA. 401+80.00
LOCATION: LATITUDE 28° 16' 44" N, LONGITUDE 81° 19' 5" W
EST. DRAINAGE AREA SIZE: 0.66 ACRES
RECEIVING WATER NAME: EAST LAKE TOHOPEKALIGA

#8 DESCRIPTION: EXISTING CANAL AT STA. 418+30.00
LOCATION: LATITUDE 28° 16' 30" N, LONGITUDE 81° 18' 56" W
EST. DRAINAGE AREA SIZE: 2.38 ACRES
RECEIVING WATER NAME: EAST LAKE TOHOPEKALIGA

#9 DESCRIPTION: EXISTING CANAL AT STA. 434+50.00
LOCATION: LATITUDE 28° 16' 16" N, LONGITUDE 81° 18' 46" W
EST. DRAINAGE AREA SIZE: N/A
RECEIVING WATER NAME: EAST LAKE TOHOPEKALIGA

#10 DESCRIPTION: EXISTING CLOUD CANAL AT STA. 454+80.00
LOCATION: LATITUDE 28° 15' 60" N, LONGITUDE 81° 18' 34" W
EST. DRAINAGE AREA SIZE: 2.87 ACRES
RECEIVING WATER NAME: EAST LAKE TOHOPEKALIGA

#11 DESCRIPTION: EXISTING INLET AT STA. 483+90.00
LOCATION: LATITUDE 28° 15' 42" N, LONGITUDE 81° 18' 9" W
EST. DRAINAGE AREA SIZE: N/A
RECEIVING WATER NAME: EAST LAKE TOHOPEKALIGA

1.F. 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. THE EXISTING AND PROPOSED DITCHES ARE SHOWN IN THE PLAN SHEETS

*APPROXIMATE SLOPES: THE SLOPES OF THE SITE CAN BE SEEN IN THE CROSS SECTION SHEETS AND THE PLAN-PROFILE SHEETS.

*AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE INDICATED ON THE PLAN-PROFILE SHEETS, THE CROSS SECTION SHEETS. ANY AREAS WHERE PERMANENT FEATURES ARE SHOWN TO BE CONSTRUCTED ABOVE OR BELOW GROUND WILL BE DISTURBED.

*LOCATIONS OF TEMPORARY CONTROLS: THESE ARE SHOWN ON THE TYPICAL SECTIONS SHEETS.

*LOCATIONS OF PERMANENT CONTROLS: STORMWATER SWALES ARE SHOWN ON THE PLAN SHEETS.

*SURFACE WATERS: THERE ARE SURFACE WATER IMPACTS ASSOCIATED WITH THIS PROJECT.

2.0 CONTROLS:

2.A. EROSION AND SEDIMENT CONTROLS:

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.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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OSCEOLA COUNTY
FLORIDA

STORMWATER POLLUTION
PREVENTION PLAN 1

SHEET
NO.
SWPPP-1

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2.A.1 STABILIZATION PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL 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:

- *INLET PROTECTION AND SEDIMENT BARRIERS IN ACCORDANCE WITH SPECIFICATION SECTION 104.

PERMANENT:

- * SOD.

2.B STORMWATER MANAGEMENT:

EXISTING AND PROPOSED SWALES WILL BE MAINTAINED ALONG THE TRAIL AND SEVERAL STORM DRAIN SYSTEMS WILL BE CONSTRUCTED TO CONVEY STORMWATER RUNOFF TO ELEVEN (11) OUTFALLS. SEE ITEM 1.E. FOR OUTFALL INFORMATION. THE PROPOSED TRAIL WILL REQUIRE A PERMIT EXEMPTION FROM THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD). THE PROJECT COMPLIES WITH THE APPLICABLE STANDARDS WITHIN SFWMD AND OSCEOLA COUNTY.

2.C OTHER CONTROLS:

2.C.1 WASTE DISPOSAL:

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

- *COVERING LOADED HAUL TRUCKS WITH TARPULINS.
- *REMOVING EXCESS DIRT FROM ROADS DAILY.
- *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, THE CONTRACTOR SHALL 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, THE CONTRACTOR SHALL 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, THE CONTRACTOR SHALL 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:

- *SFWMD, PERMIT EXEMPTION.
- *OSCEOLA COUNTY.

3.0 MAINTENANCE:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL 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 IN ACCORDANCE WITH SPECIFICATION SECTION 104. THE CONTRACTOR SHOULD 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, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL 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.

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

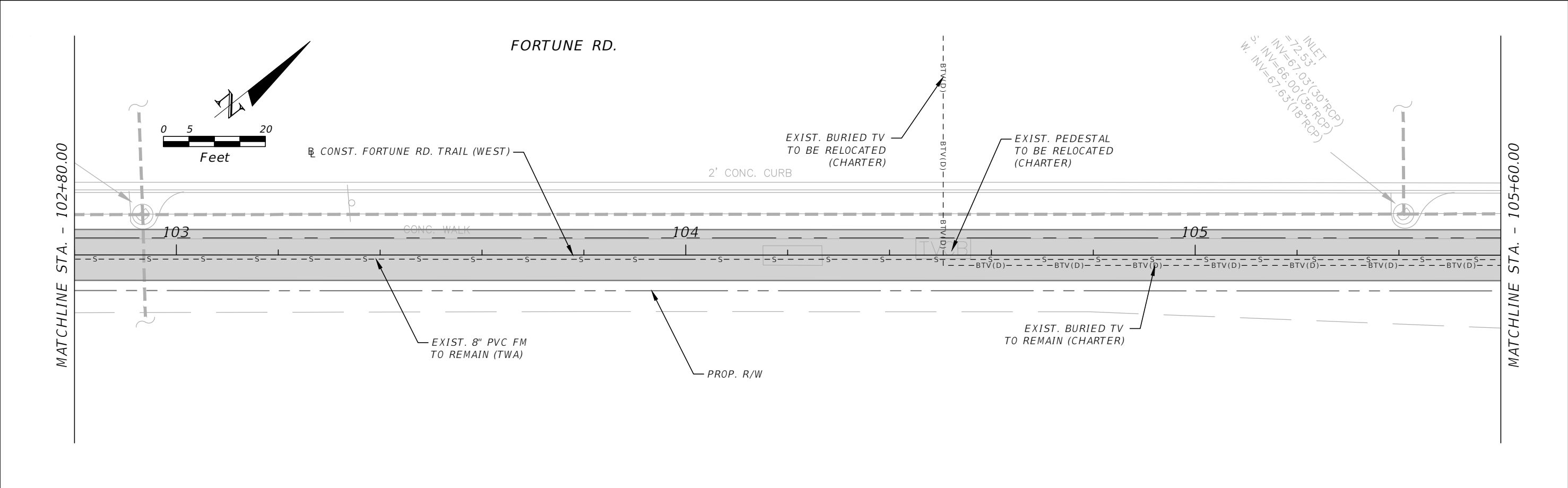
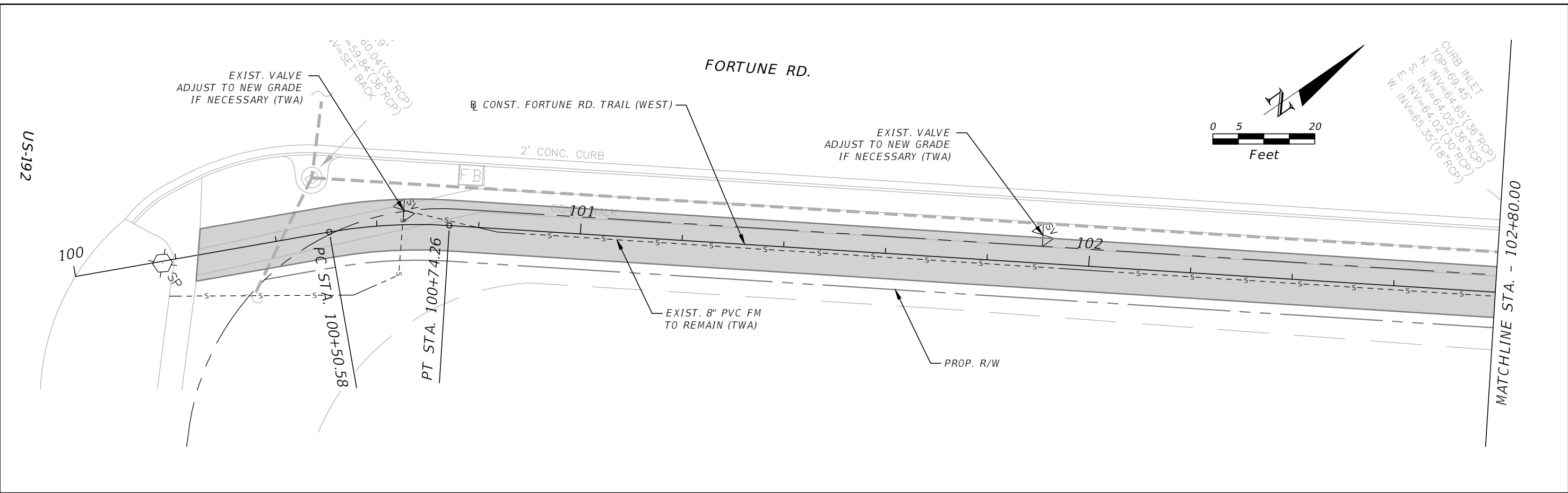
IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.

5.0 NON-STORMWATER DISCHARGES:

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

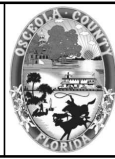
REVISIONS				 Engineers Scientists Planners Designers 225 E. Robinson Street, Suite 300 Orlando, FL 32801 (407)839-4006 Certificate of Authorization # 3932 Paul W. Yeargain, P.E. PE # 50682	 OSCEOLA COUNTY FLORIDA	STORMWATER POLLUTION PREVENTION PLAN 2	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				SWPPP-2

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 PE # 63437

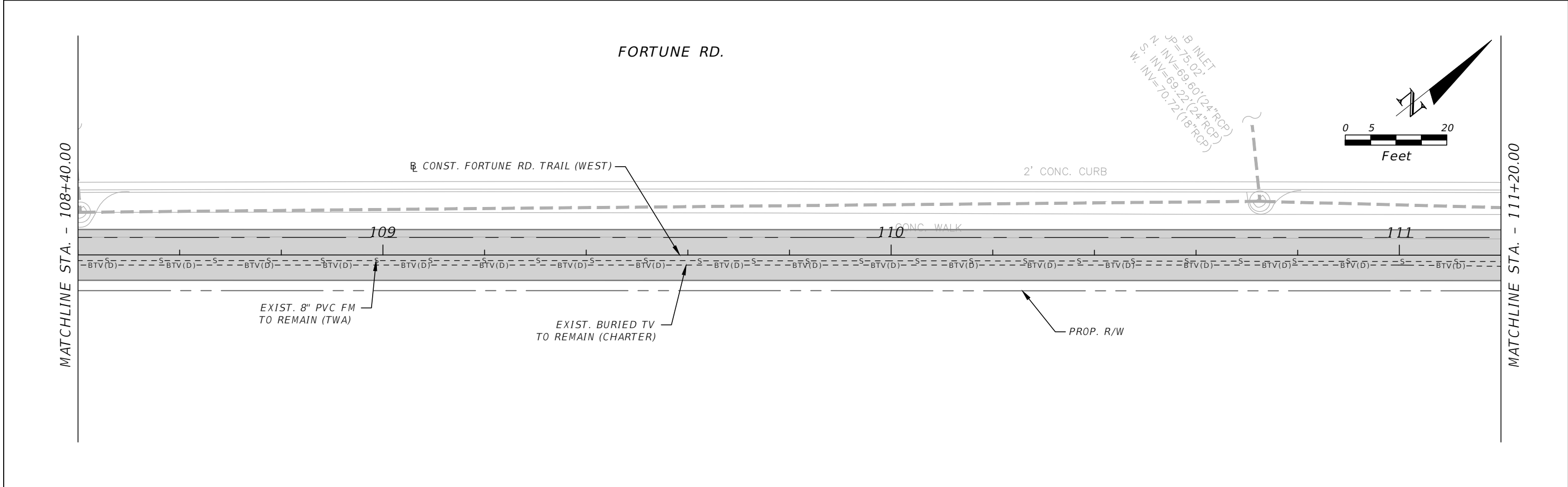
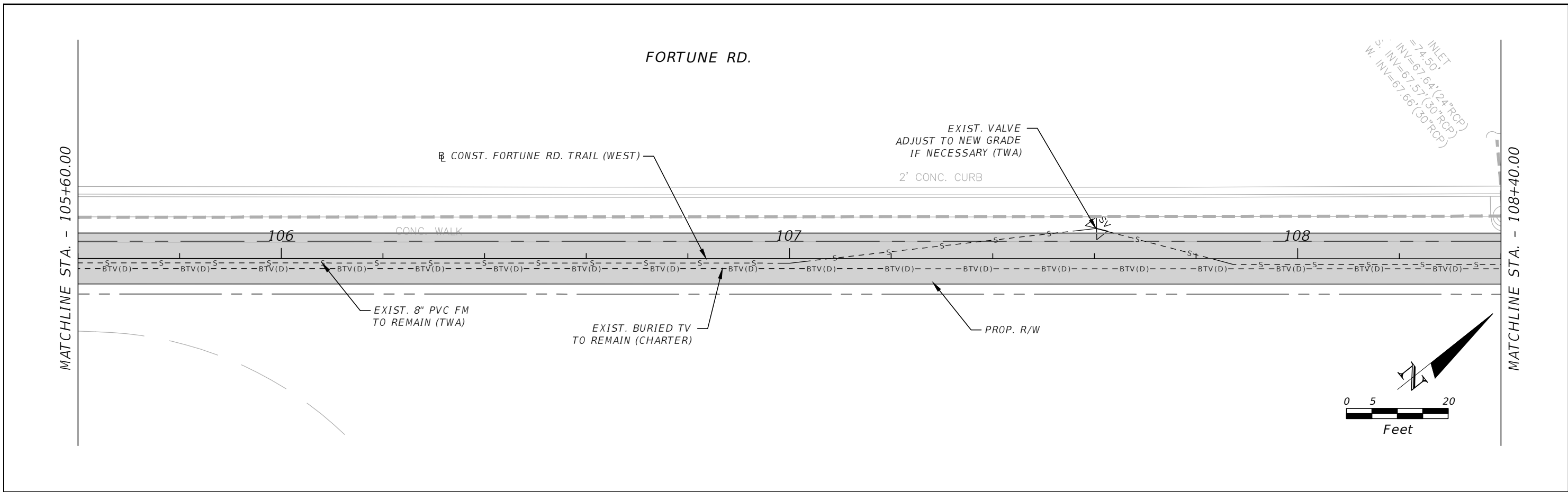


OSCEOLA COUNTY
 FLORIDA

FORTUNE ROAD (WEST) UTILITY
 ADJUSTMENT 1

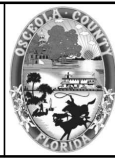
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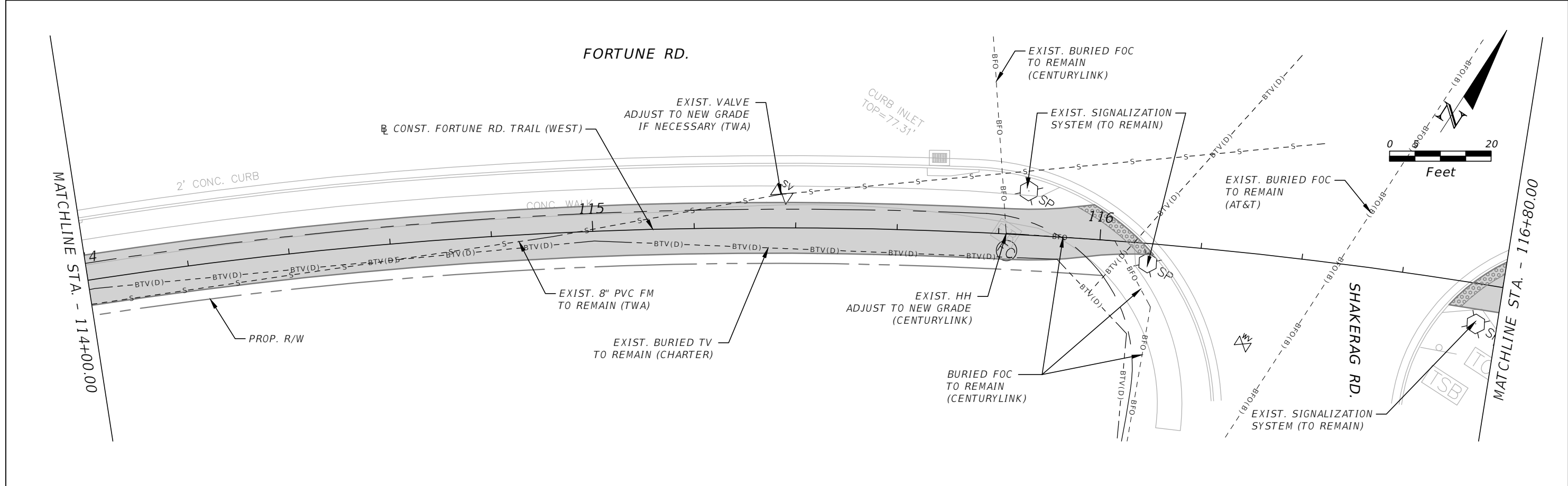
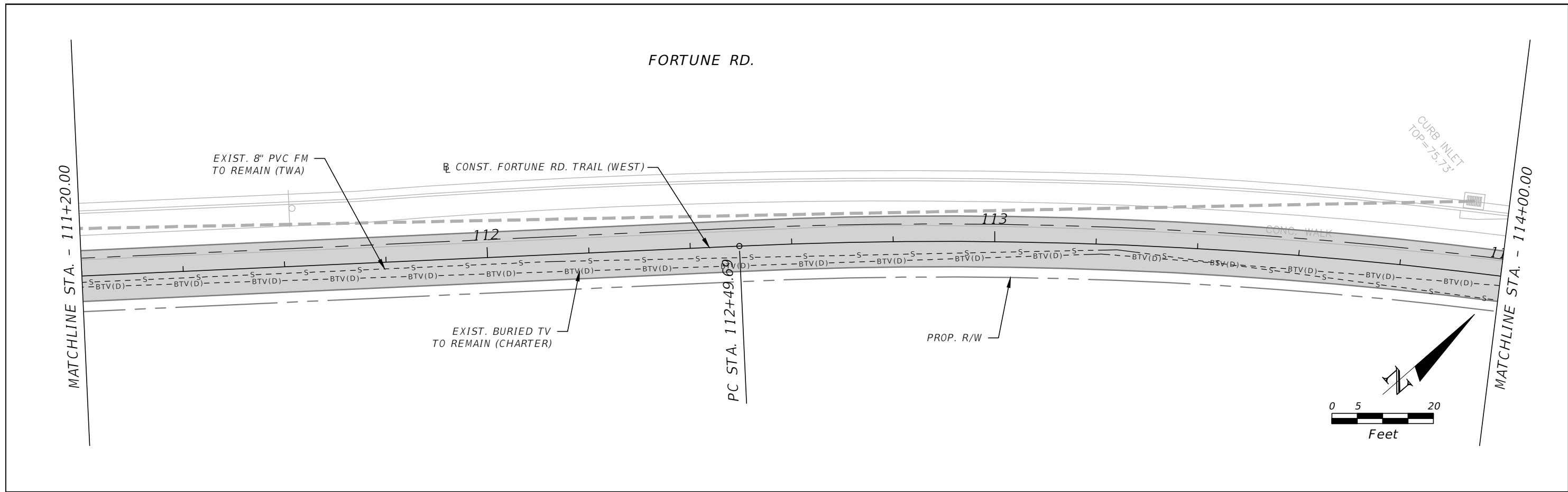


OSCEOLA COUNTY
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**FORTUNE ROAD (WEST) UTILITY
 ADJUSTMENT 2**

SHEET
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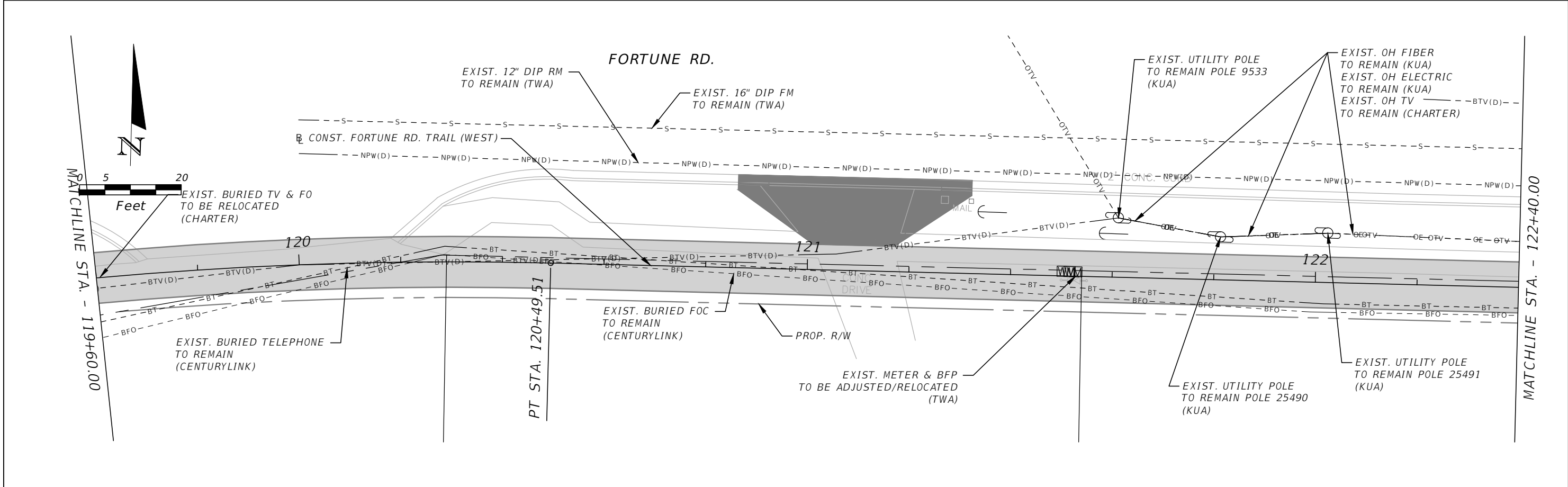
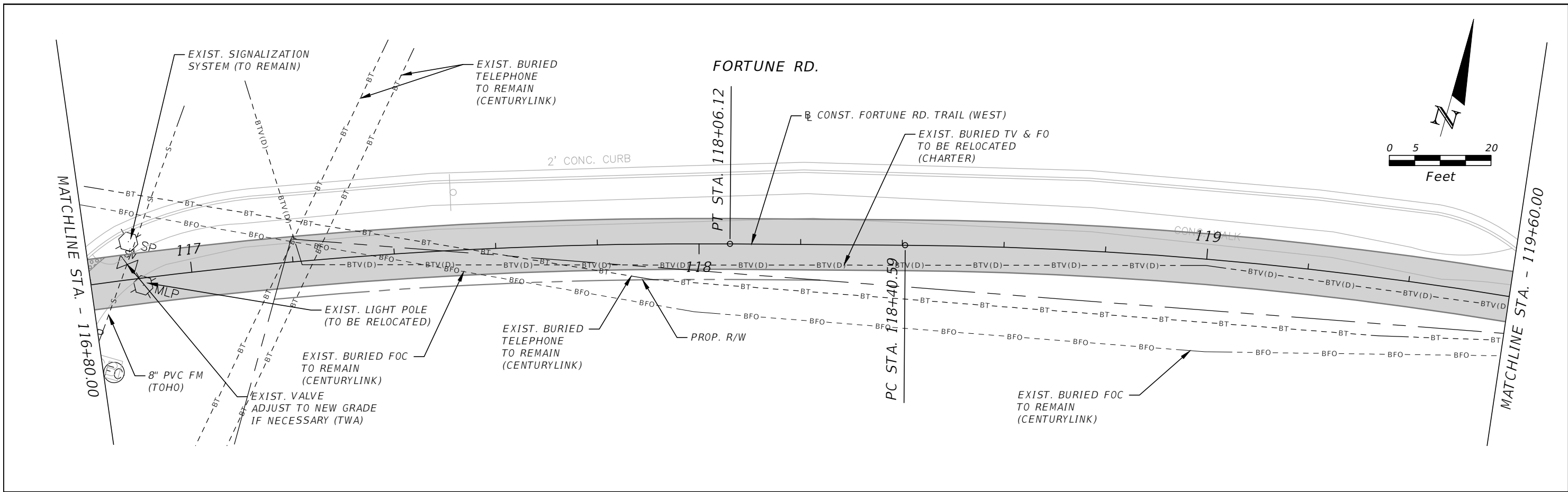

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 FLORIDA

**FORTUNE ROAD (WEST) UTILITY
 ADJUSTMENT 3**

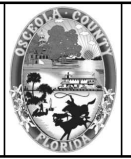
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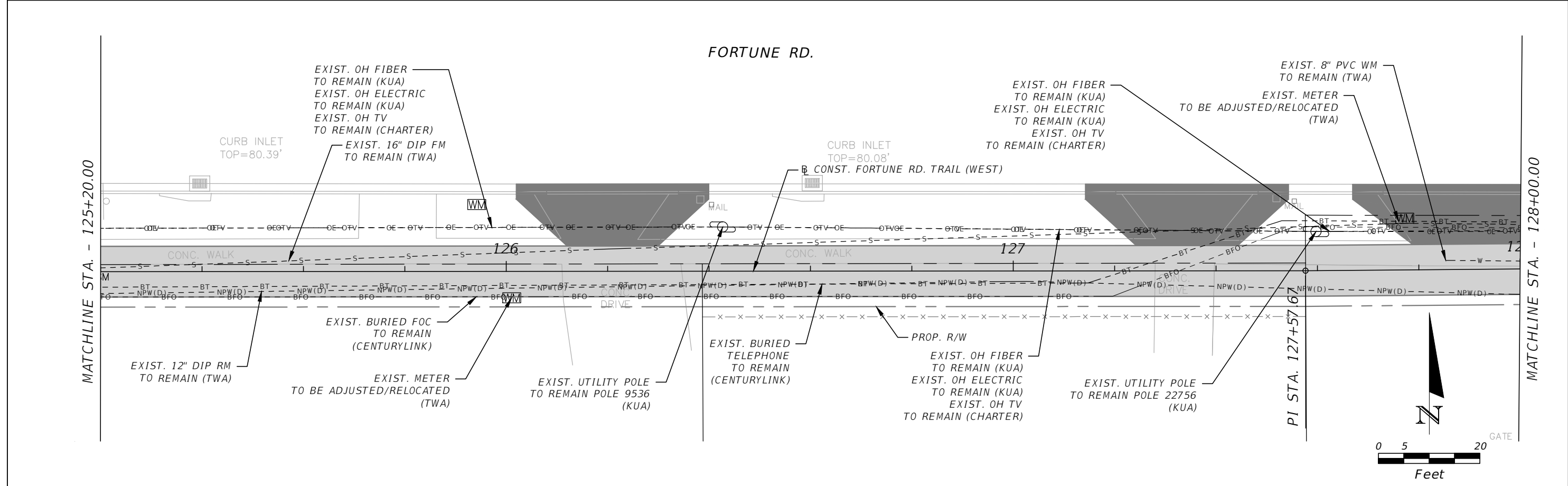
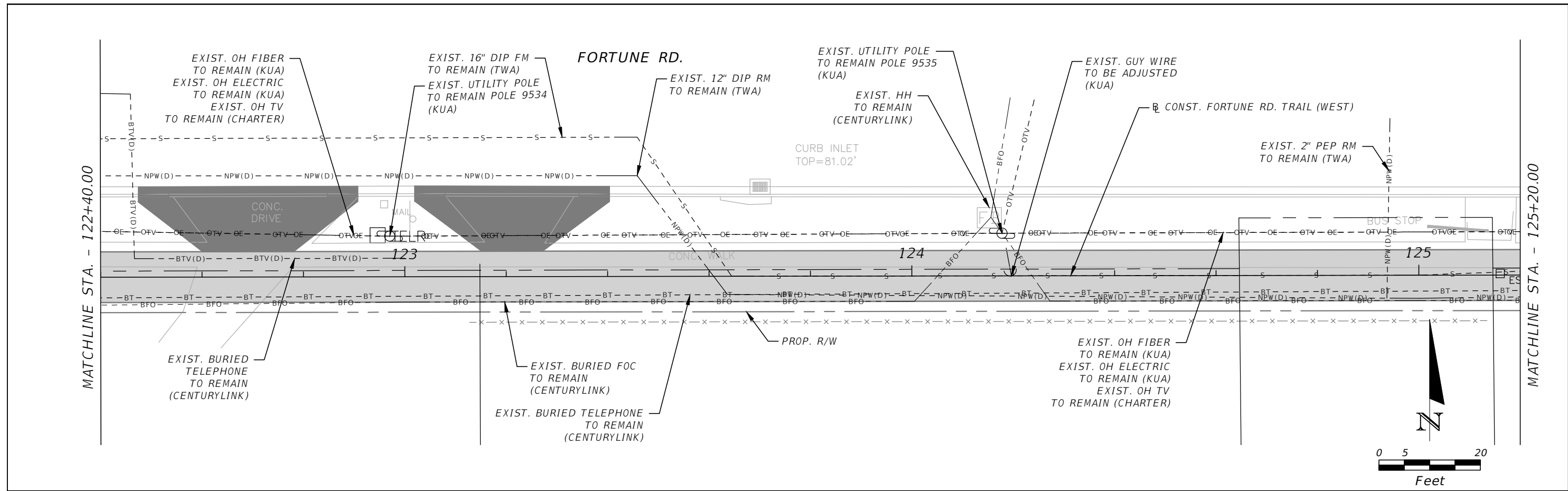


OSCEOLA COUNTY
 FLORIDA

**FORTUNE ROAD (WEST) UTILITY
 ADJUSTMENT 4**

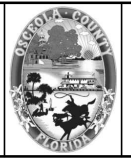
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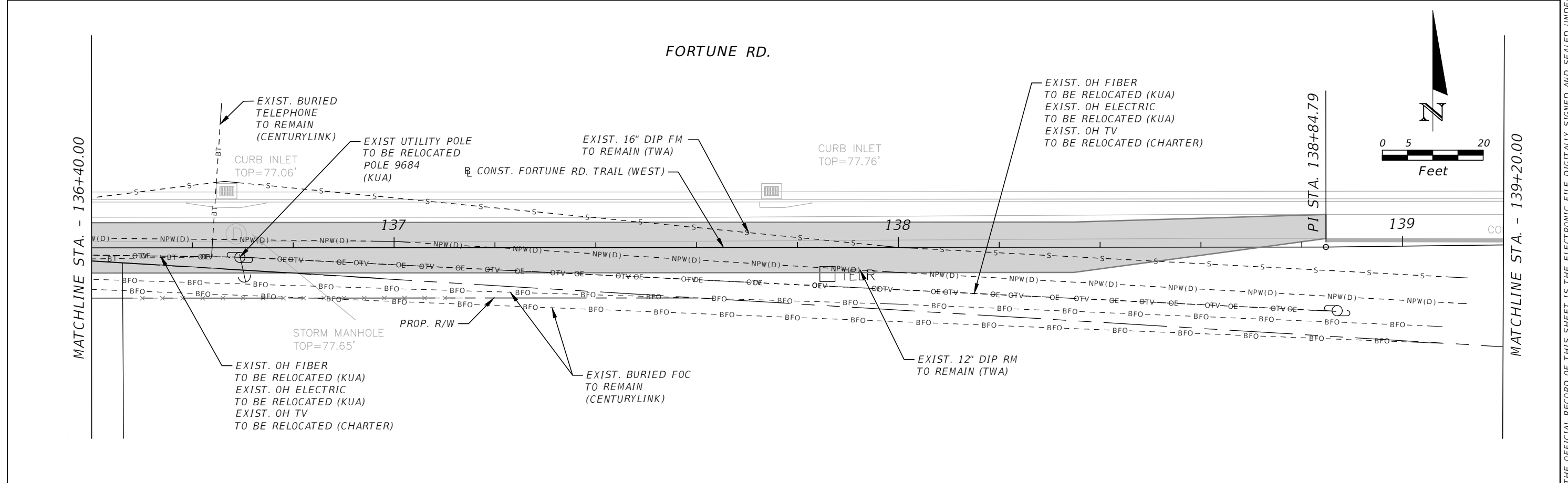
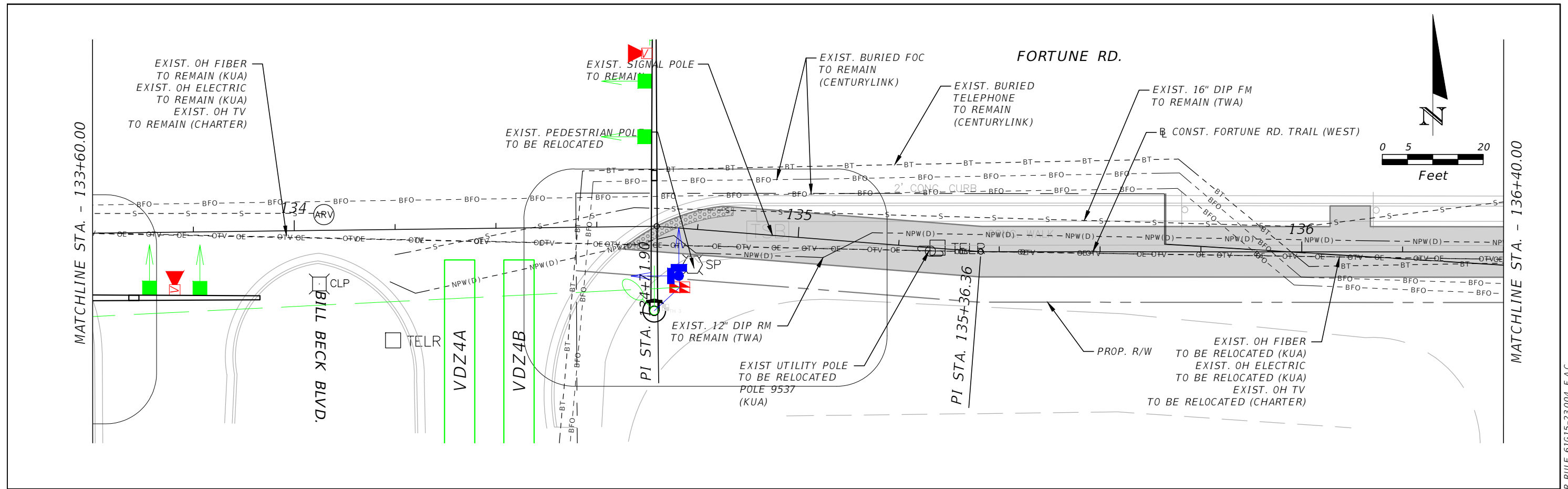


OSCEOLA COUNTY
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**FORTUNE ROAD (WEST) UTILITY
 ADJUSTMENT 5**

SHEET
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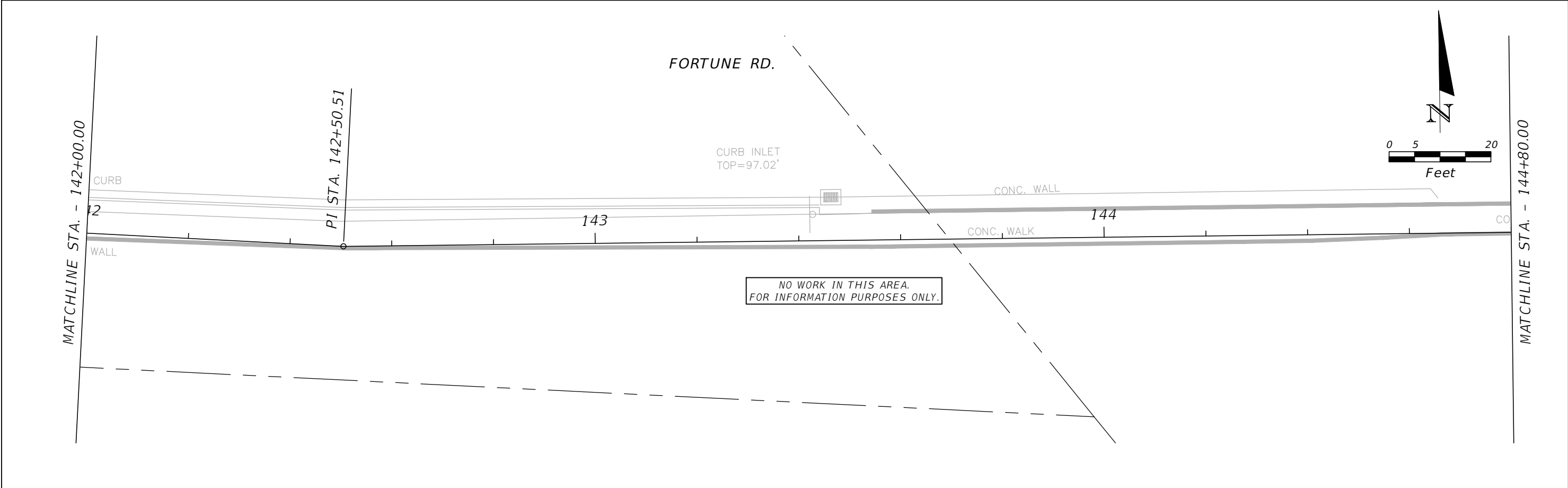
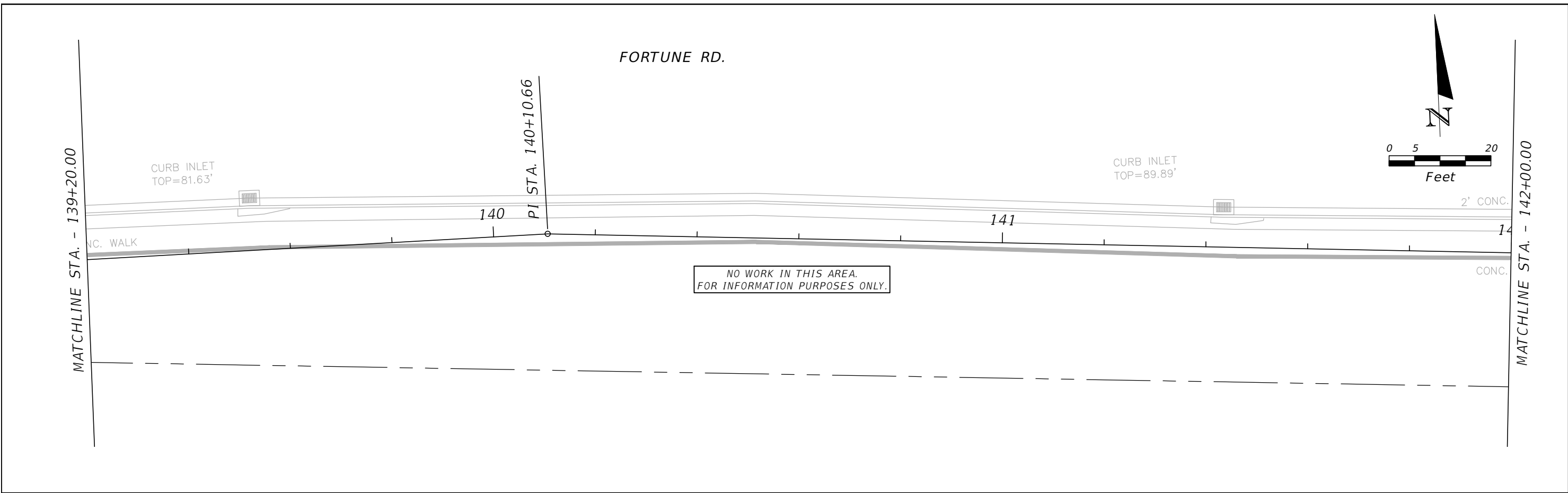

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**FORTUNE ROAD (WEST) UTILITY
 ADJUSTMENT 7**

SHEET NO.
 UT-7

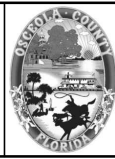
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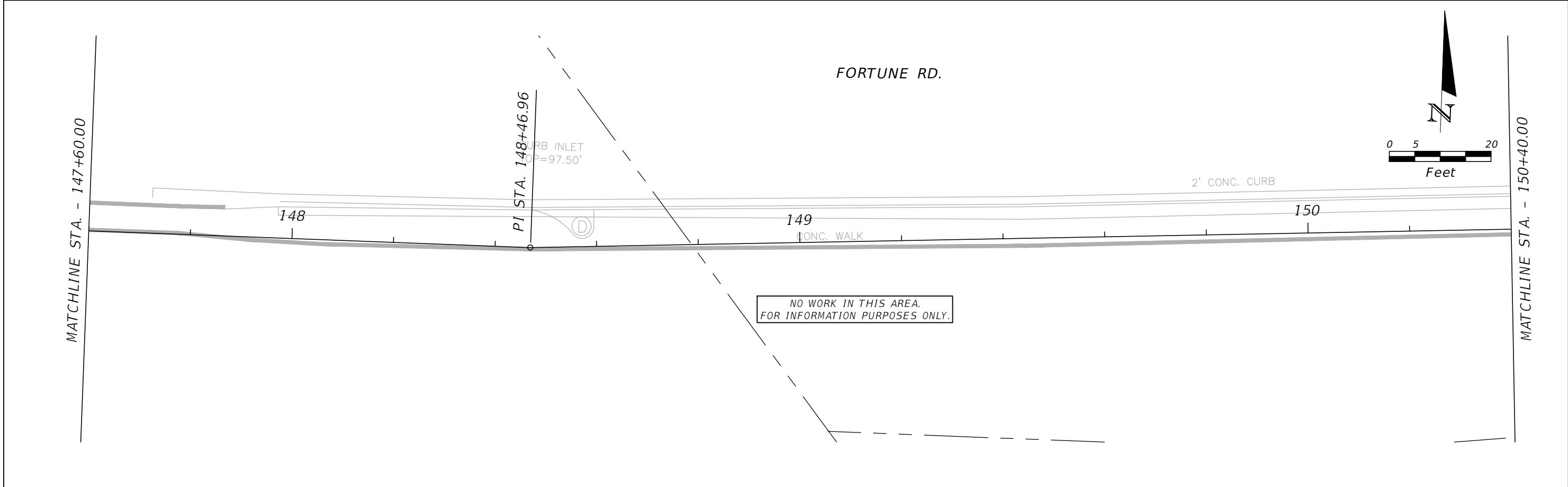
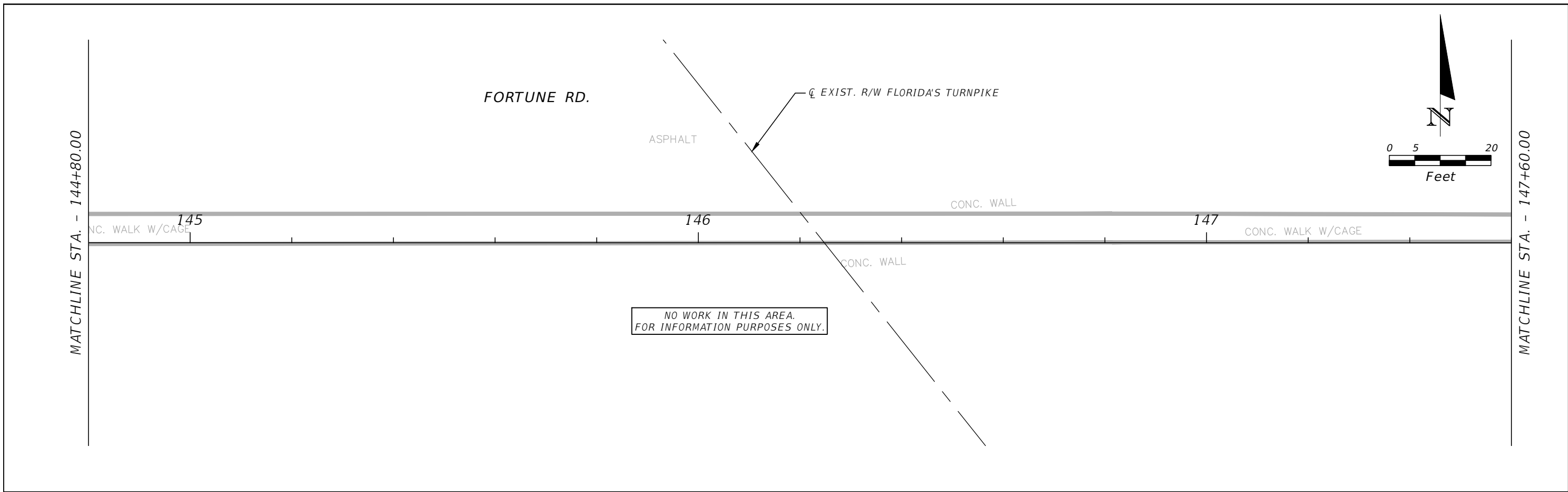


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FORTUNE ROAD (WEST) UTILITY
ADJUSTMENT 8

SHEET NO.
UT-8

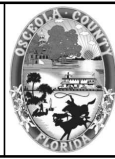
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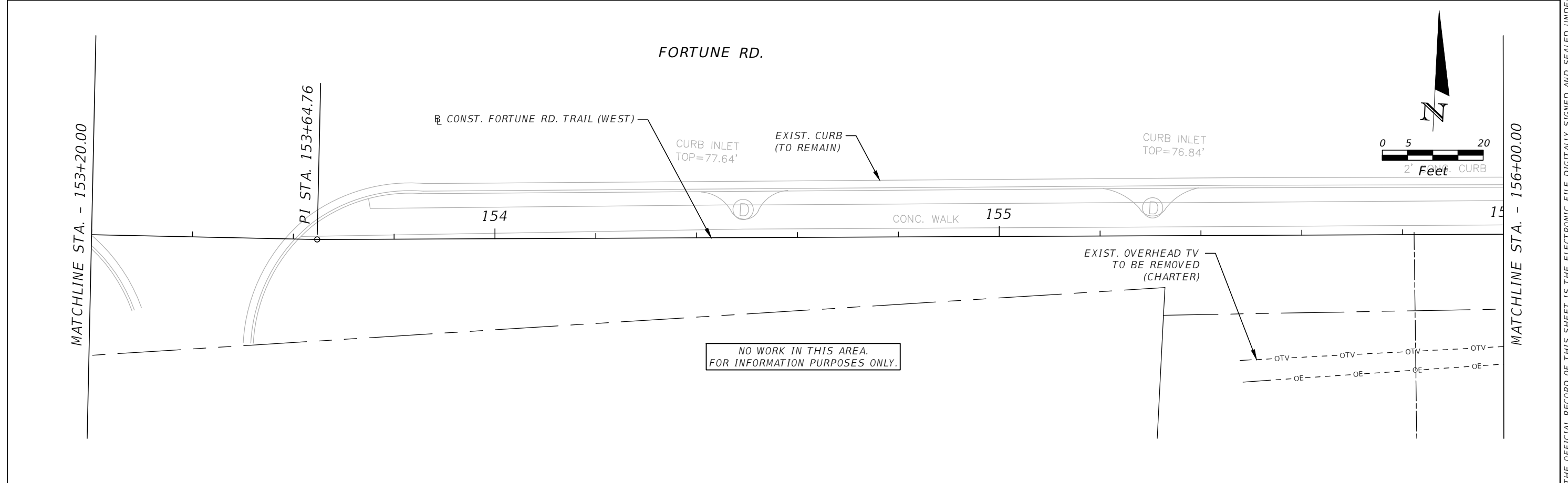
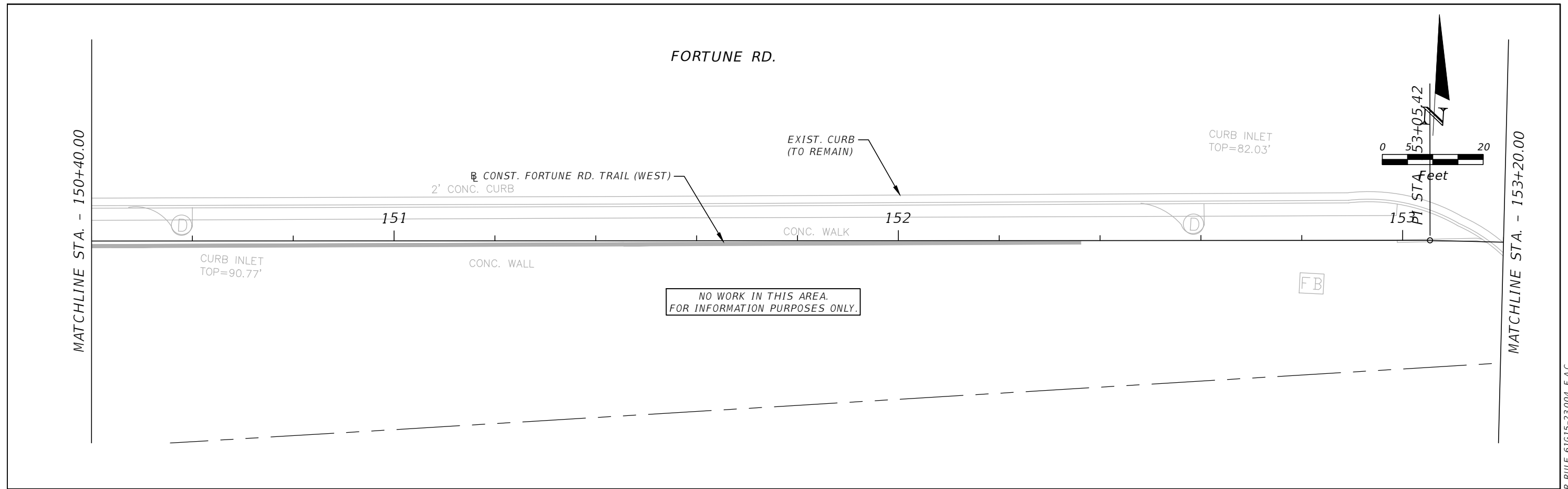


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FORTUNE ROAD (WEST) UTILITY
ADJUSTMENT 9

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UT-9

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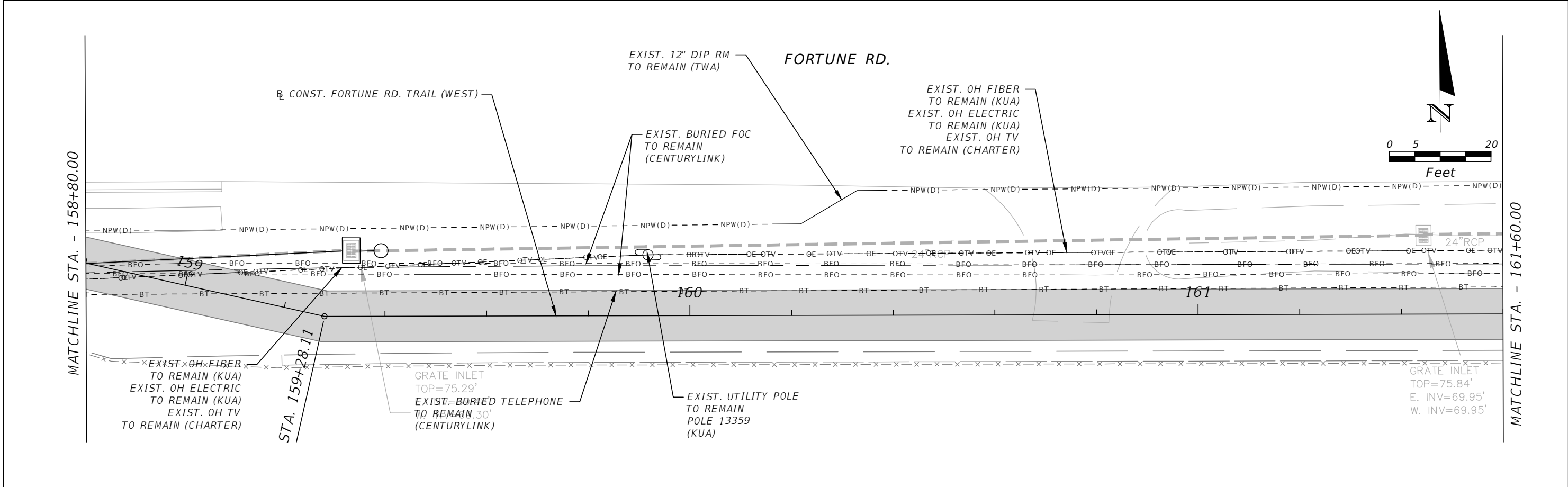
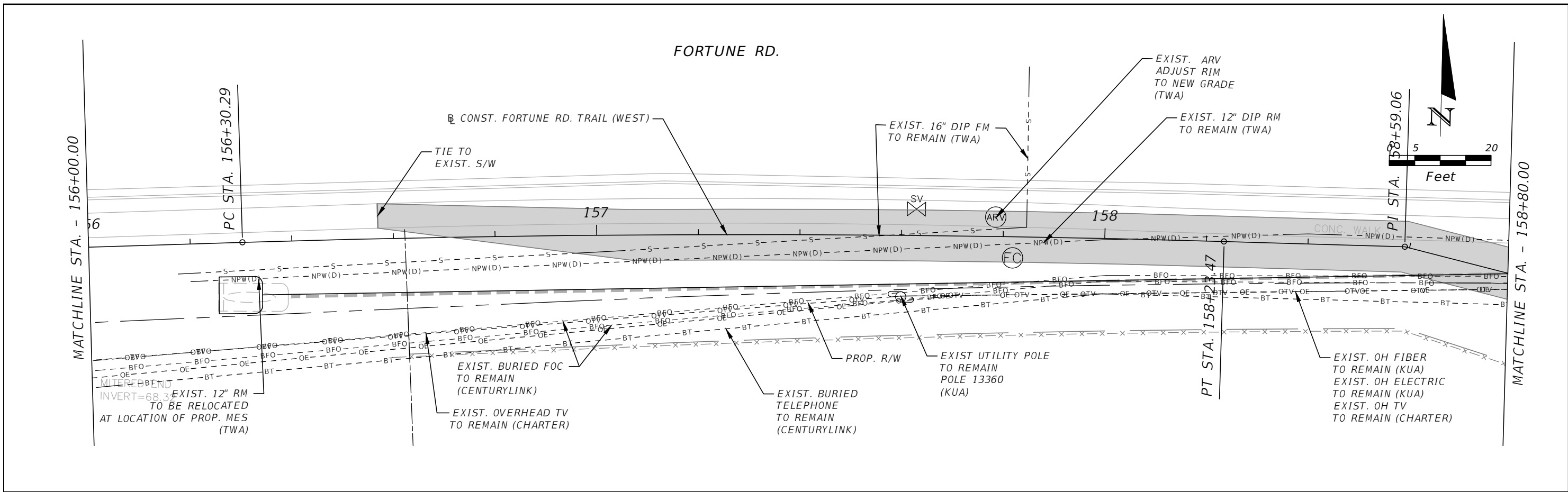
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**FORTUNE ROAD (WEST) UTILITY
ADJUSTMENT 10**

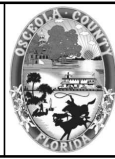
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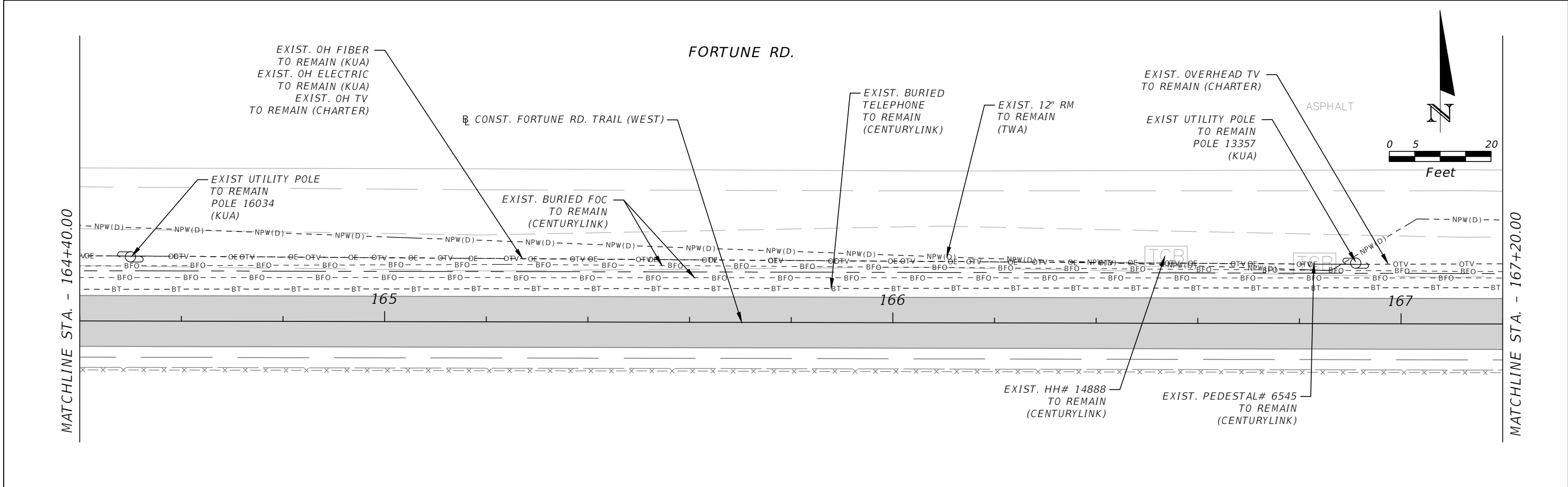
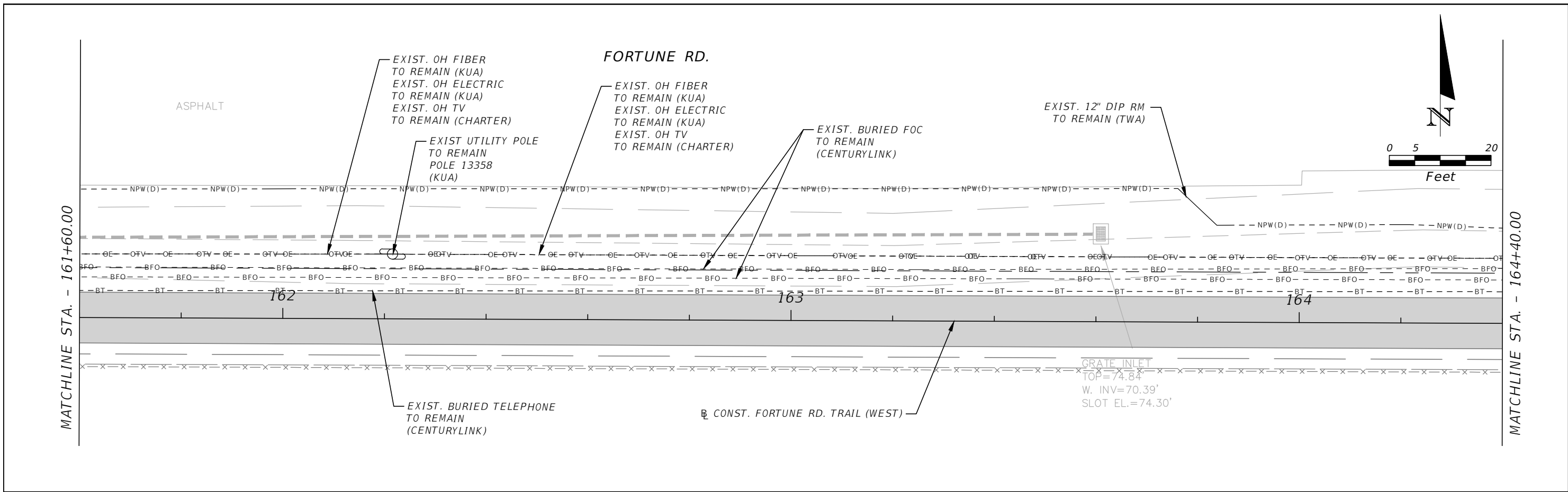


OSCEOLA COUNTY
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FORTUNE ROAD (WEST) UTILITY
 ADJUSTMENT 11

SHEET NO.
 UT-11

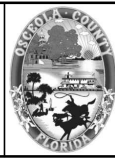
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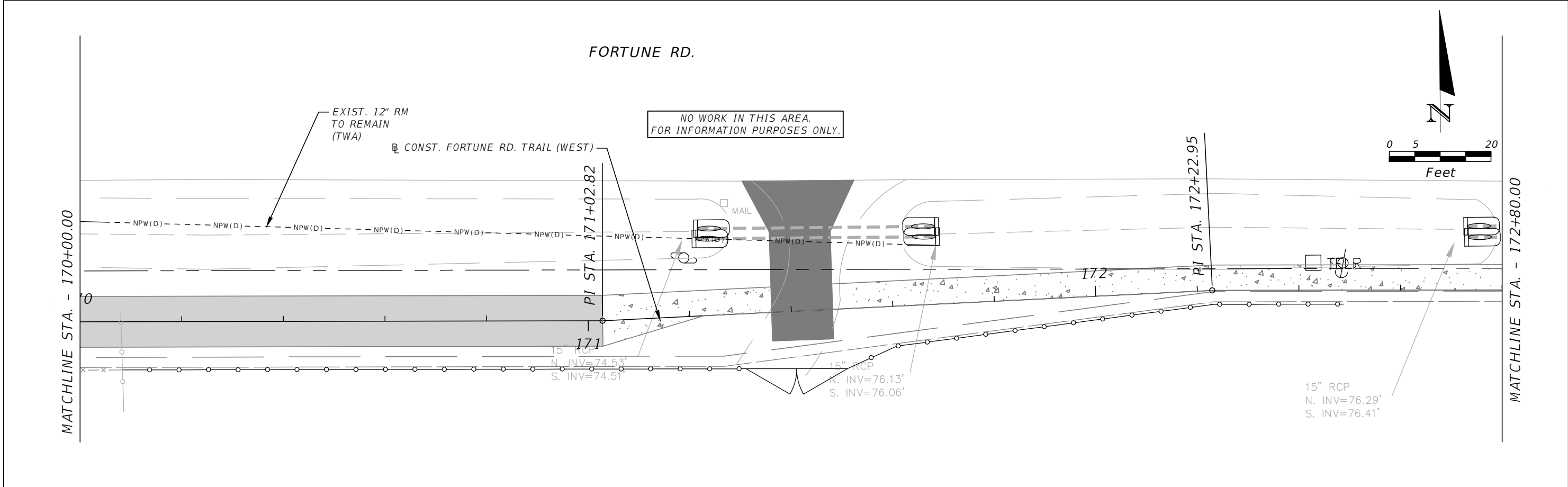
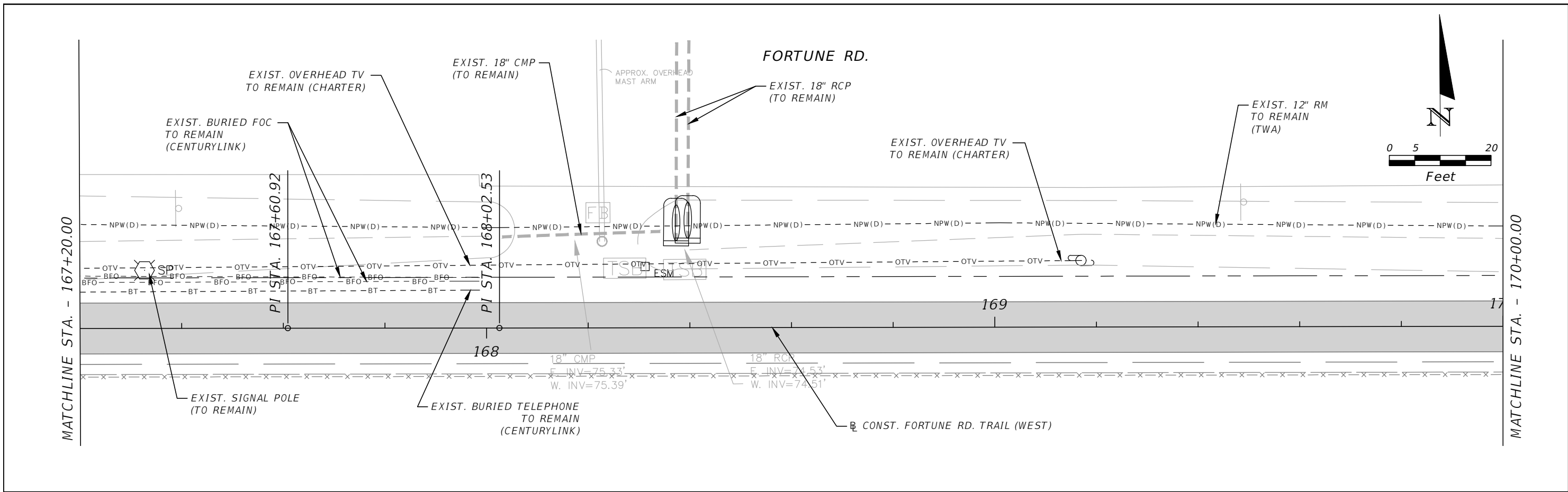


OSCEOLA COUNTY
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FORTUNE ROAD (WEST) UTILITY
ADJUSTMENT 12

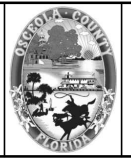
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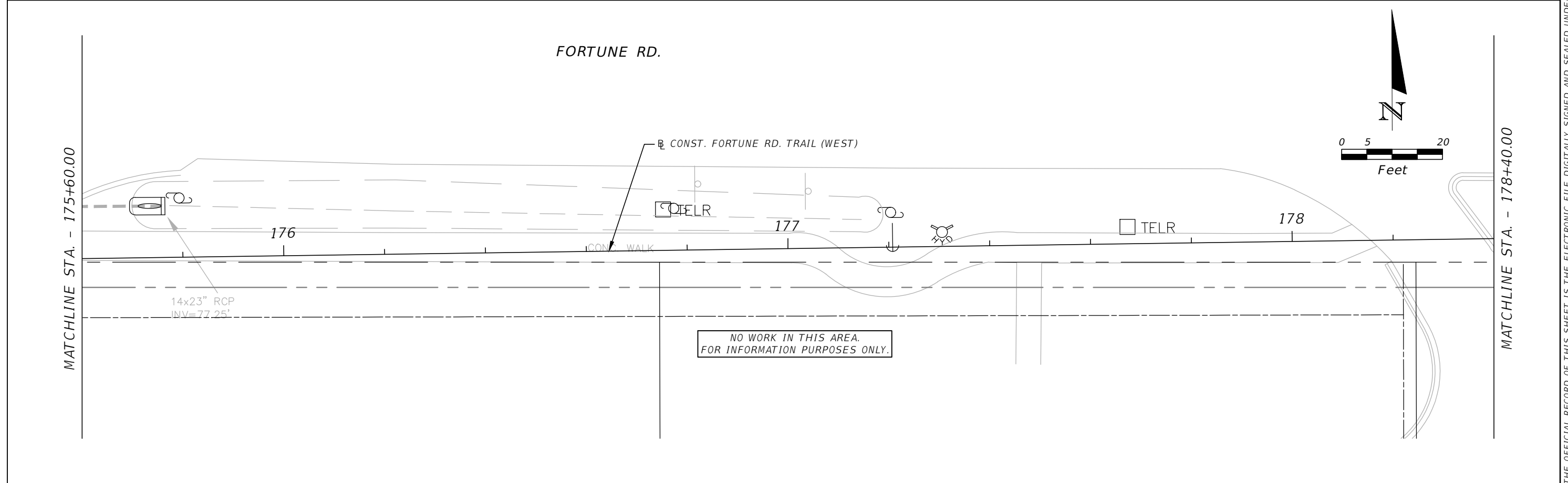
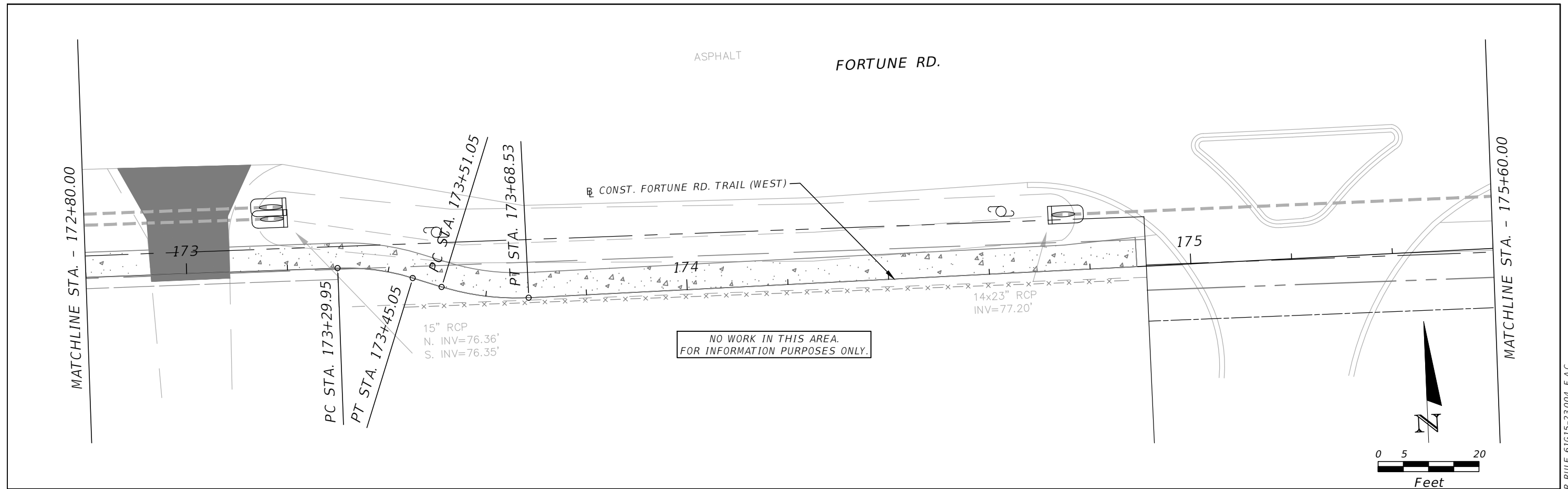


OSCEOLA COUNTY
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**FORTUNE ROAD (WEST) UTILITY
 ADJUSTMENT 13**

SHEET
 NO.
 UT-13

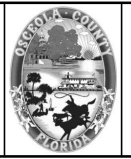
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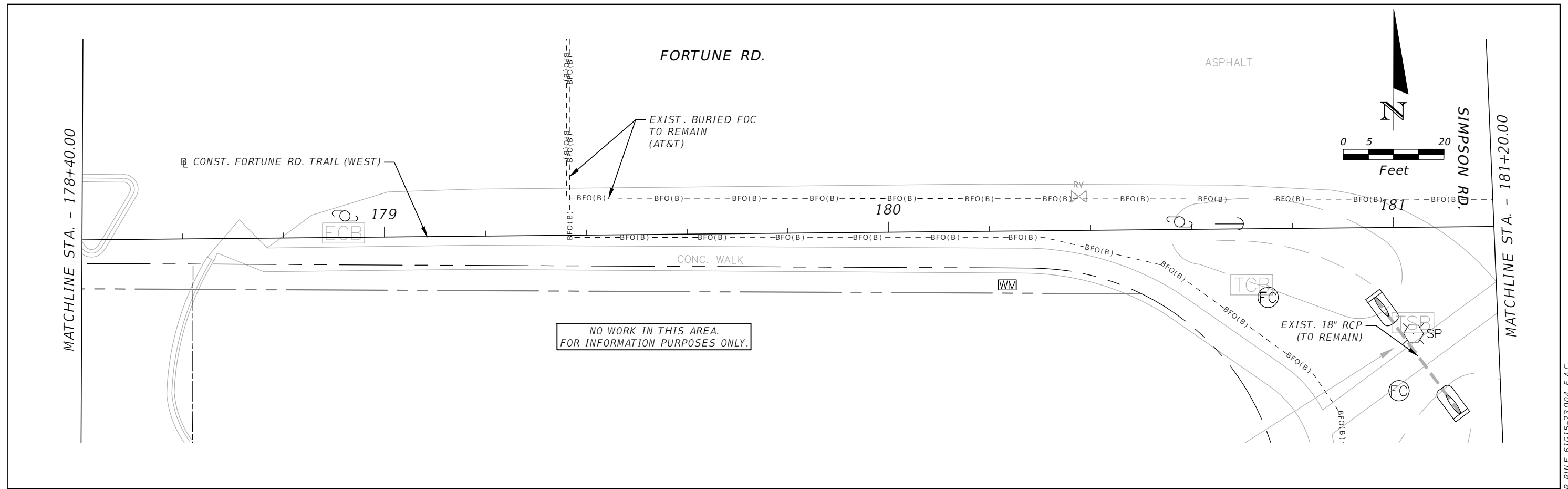


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FORTUNE ROAD (WEST) UTILITY
ADJUSTMENT 14

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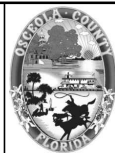


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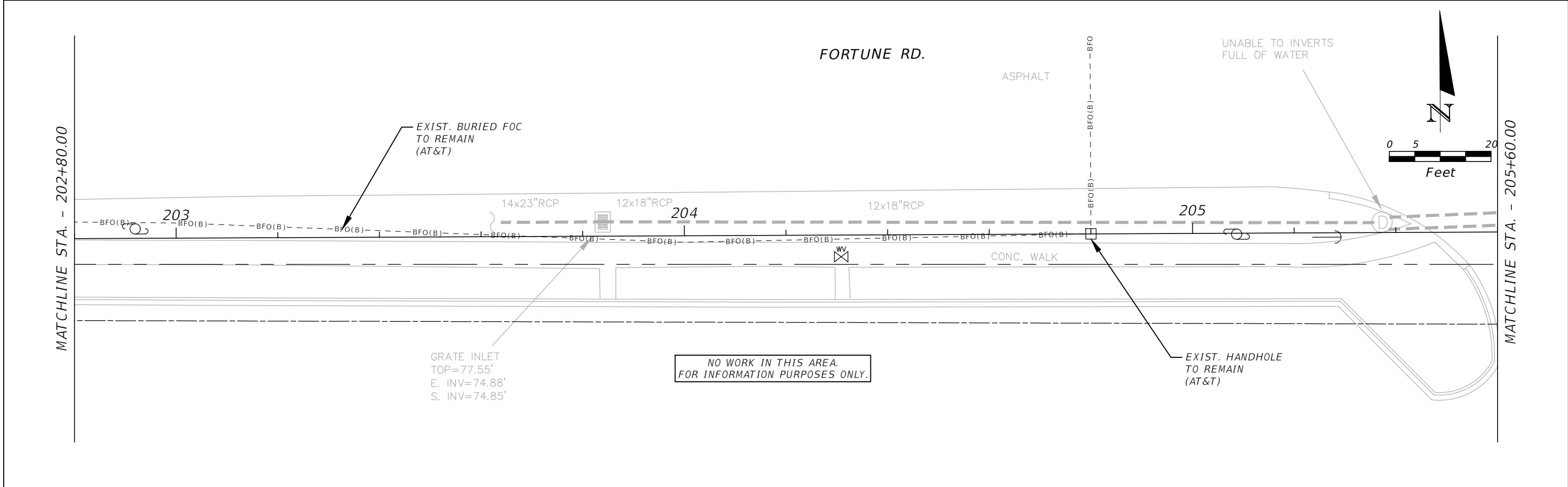
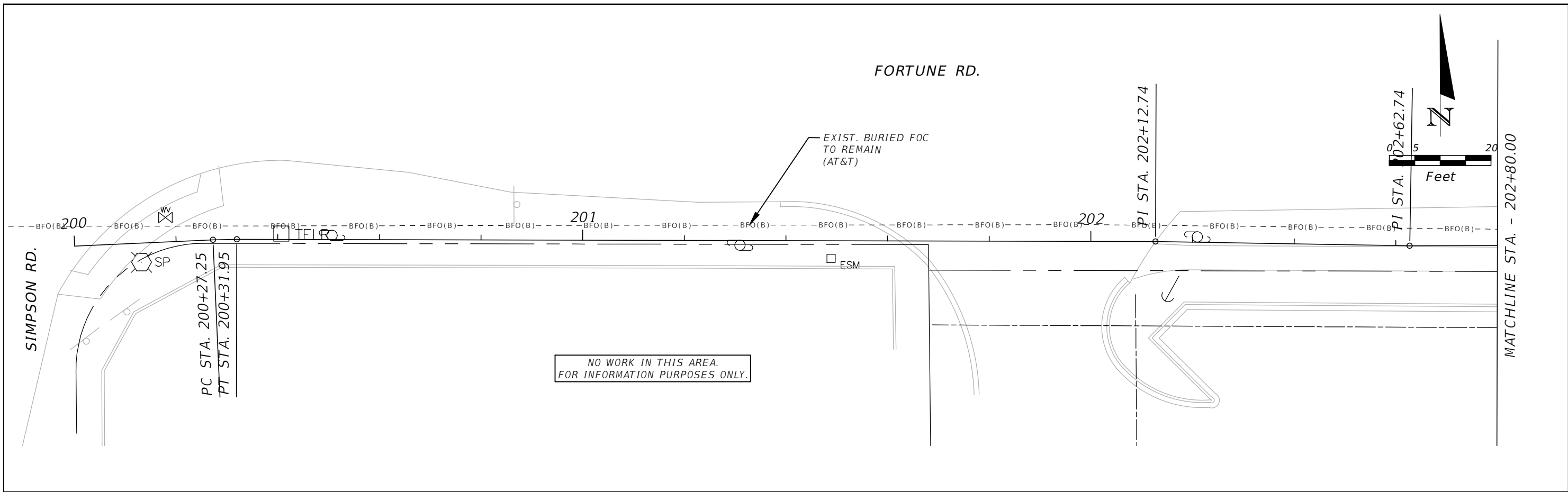


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**FORTUNE ROAD (WEST) UTILITY
ADJUSTMENT 15**

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NO.
UT-15

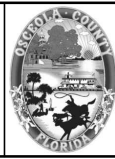
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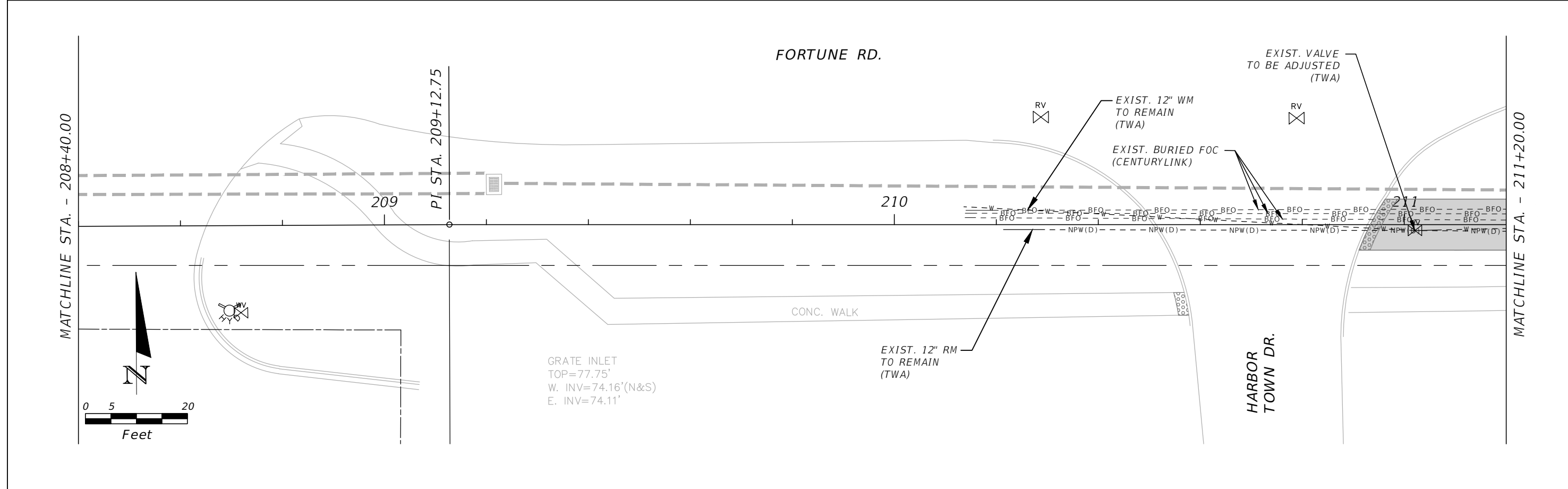
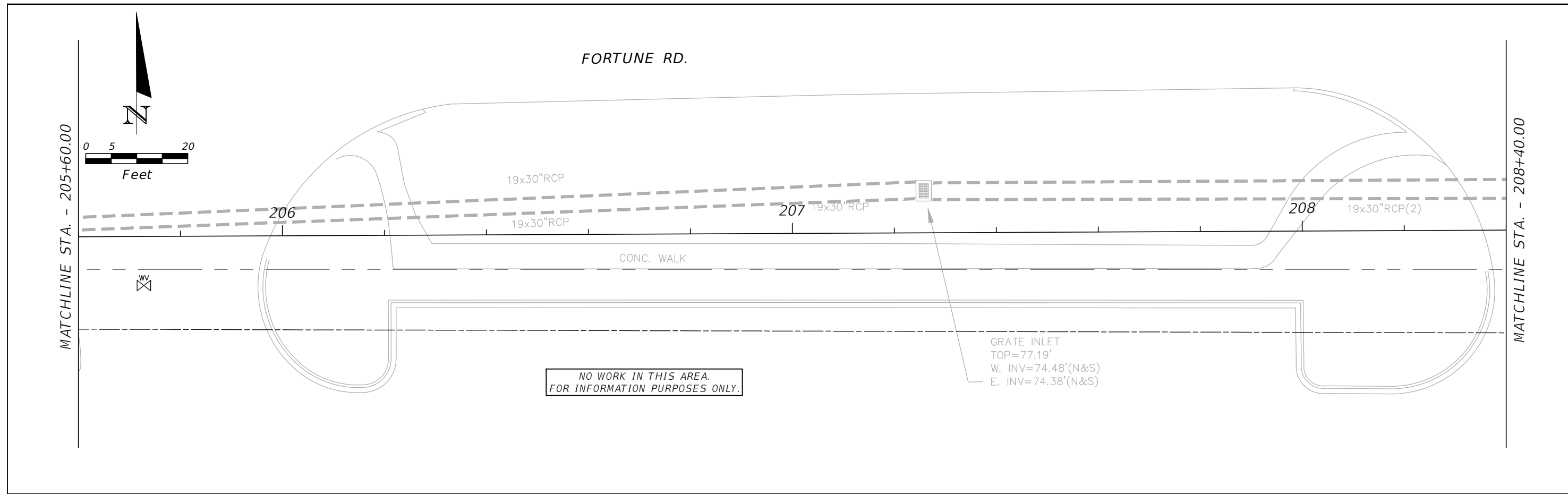


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FORTUNE (EAST) UTILITY
ADJUSTMENT 1

SHEET NO.
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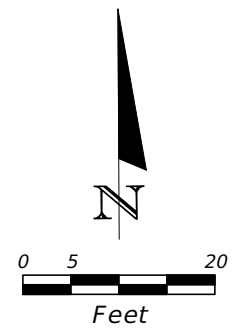
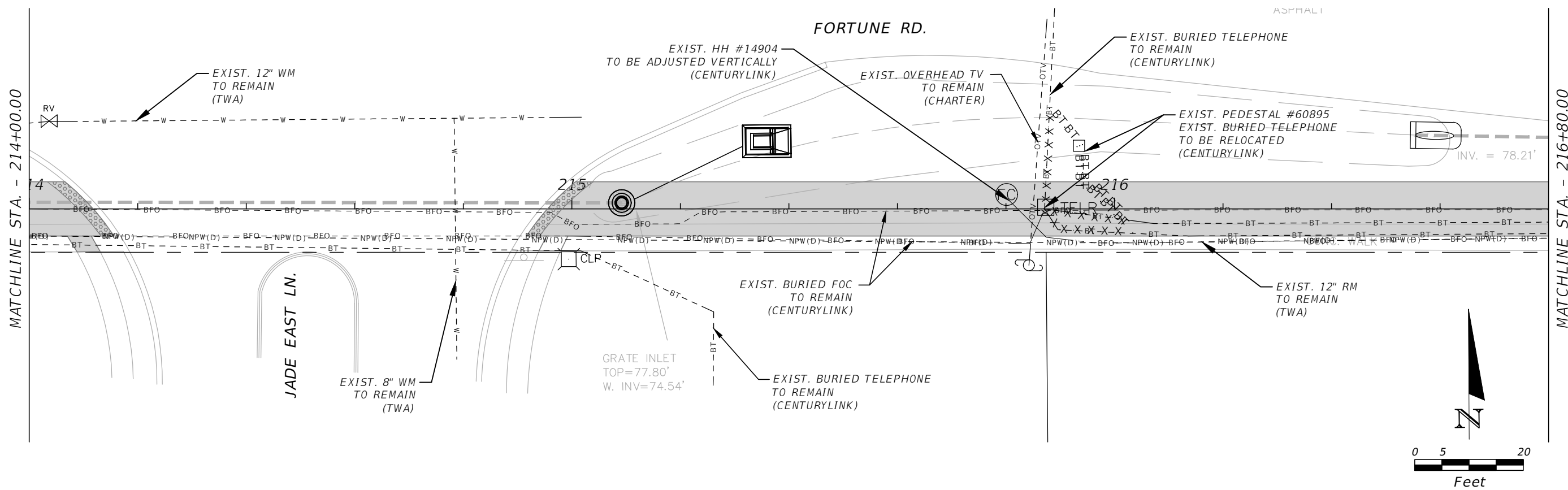
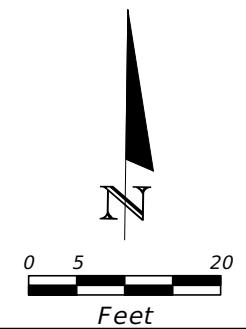
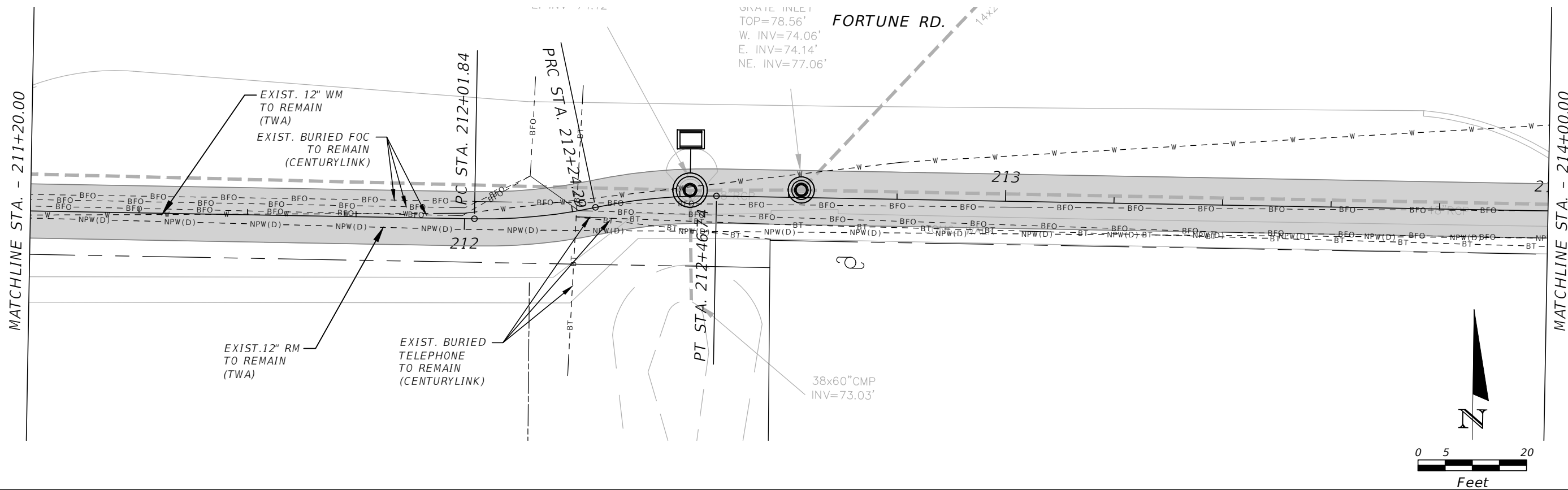
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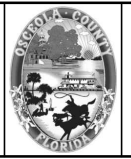
**FORTUNE (EAST) UTILITY
ADJUSTMENT 2**

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FORTUNE (EAST) UTILITY
ADJUSTMENT 3

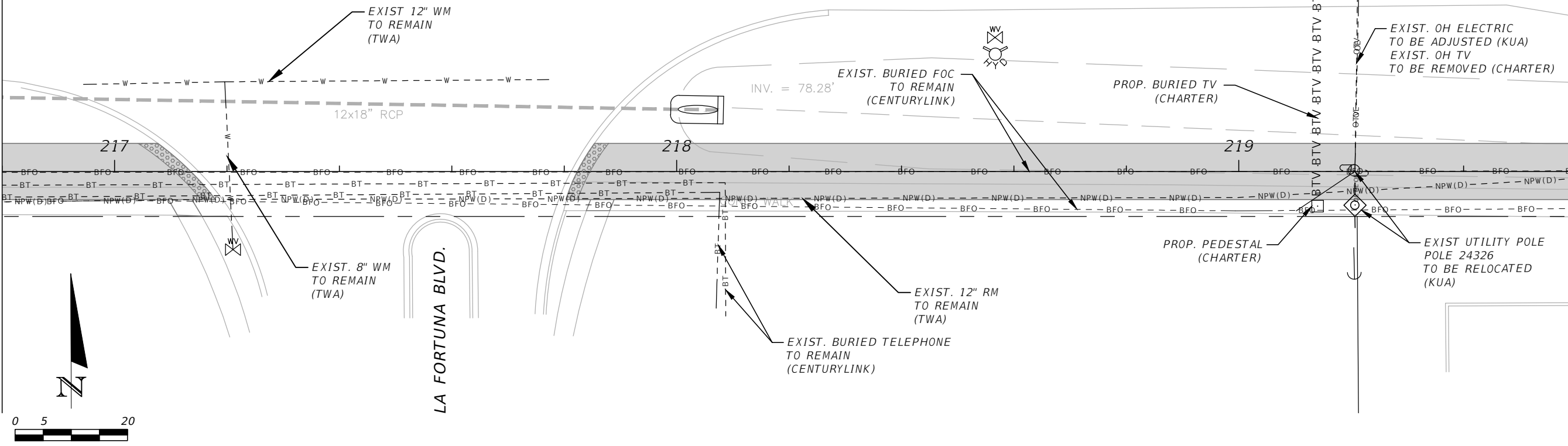
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MATCHLINE STA. - 219+60.00

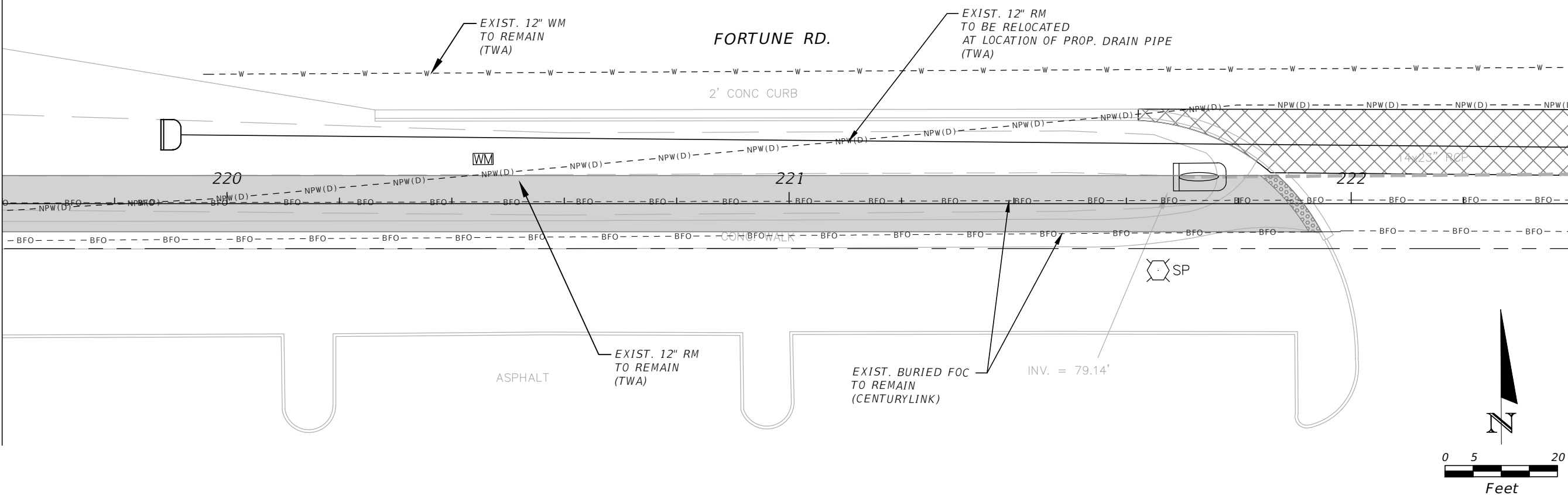
FORTUNE RD.



MATCHLINE STA. - 219+60.00

MATCHLINE STA. - 222+40.00

FORTUNE RD.



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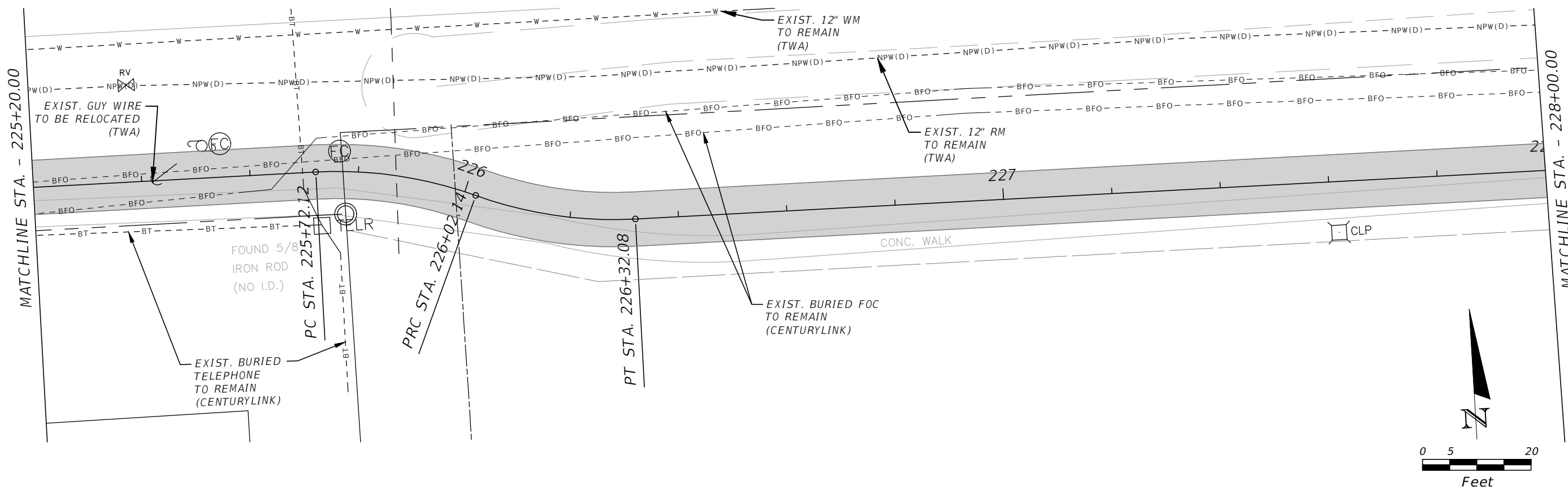
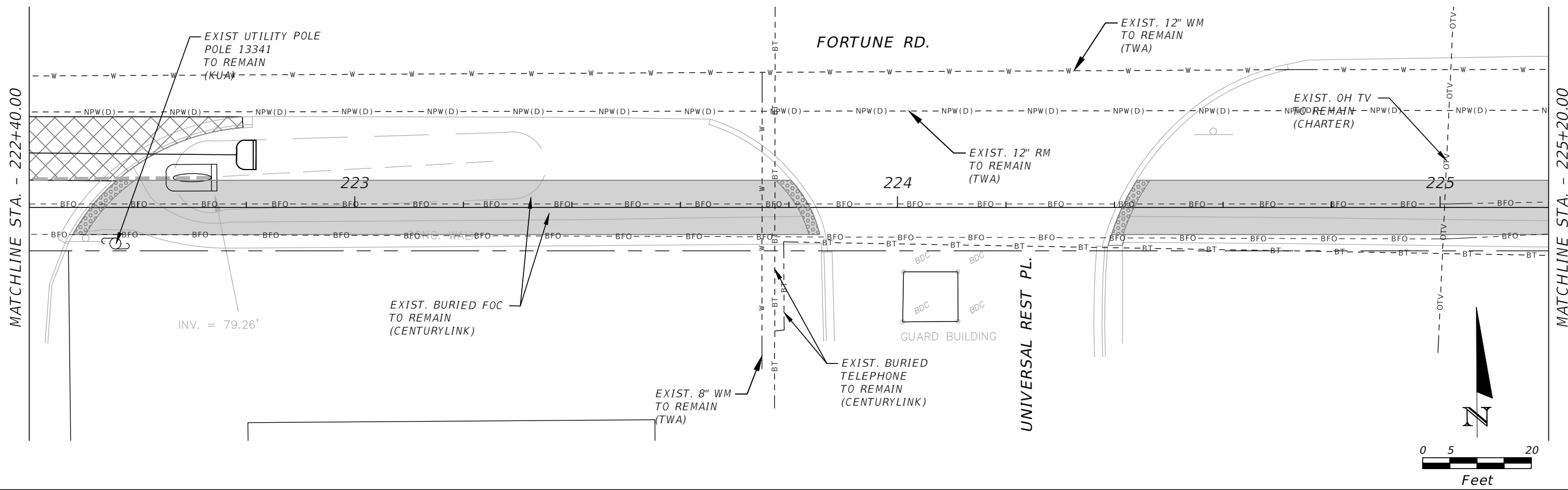


OSCEOLA COUNTY
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FORTUNE (EAST) UTILITY
ADJUSTMENT 4

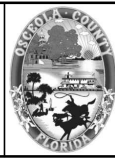
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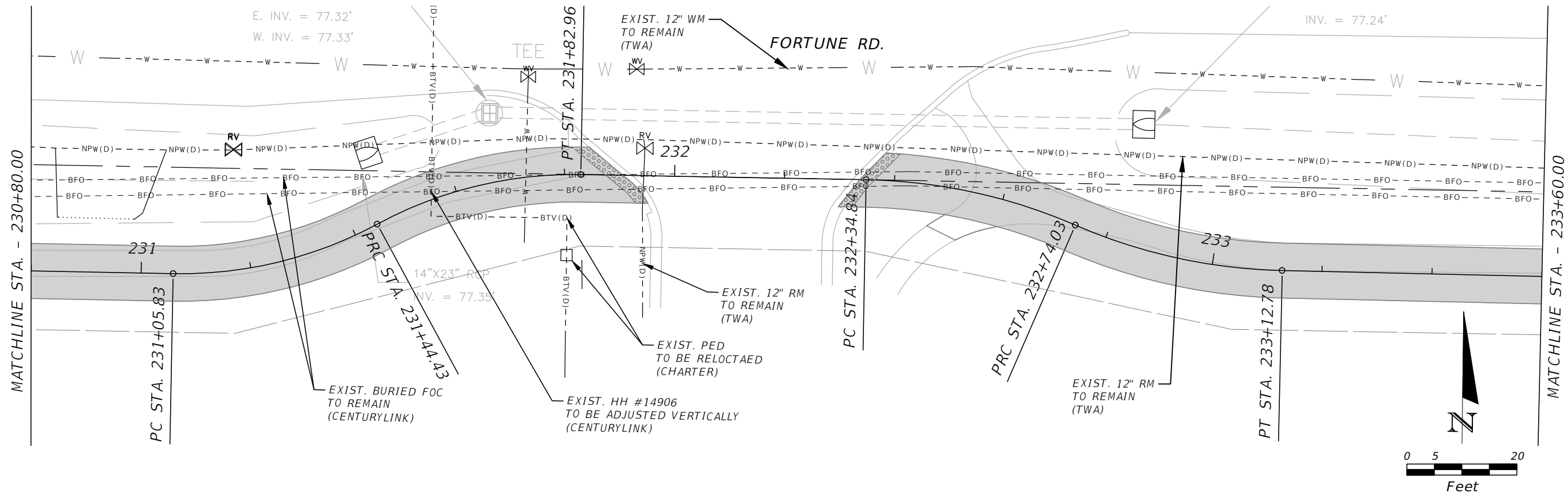
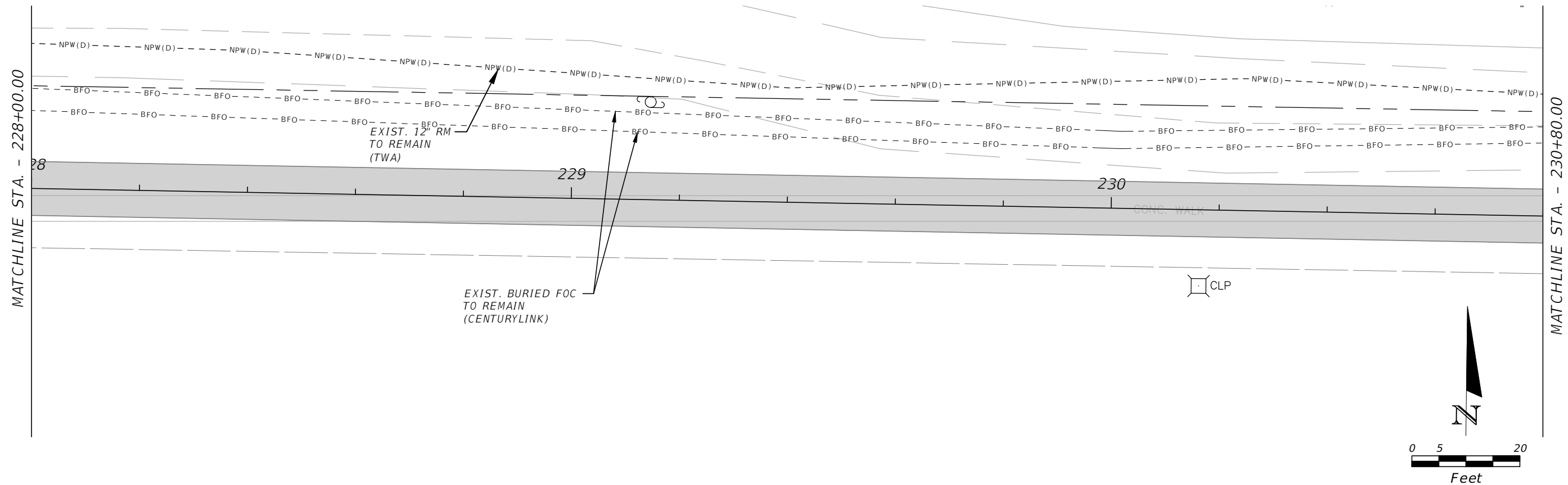


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**FORTUNE (EAST) UTILITY
 ADJUSTMENT 5**

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 PE # 63437

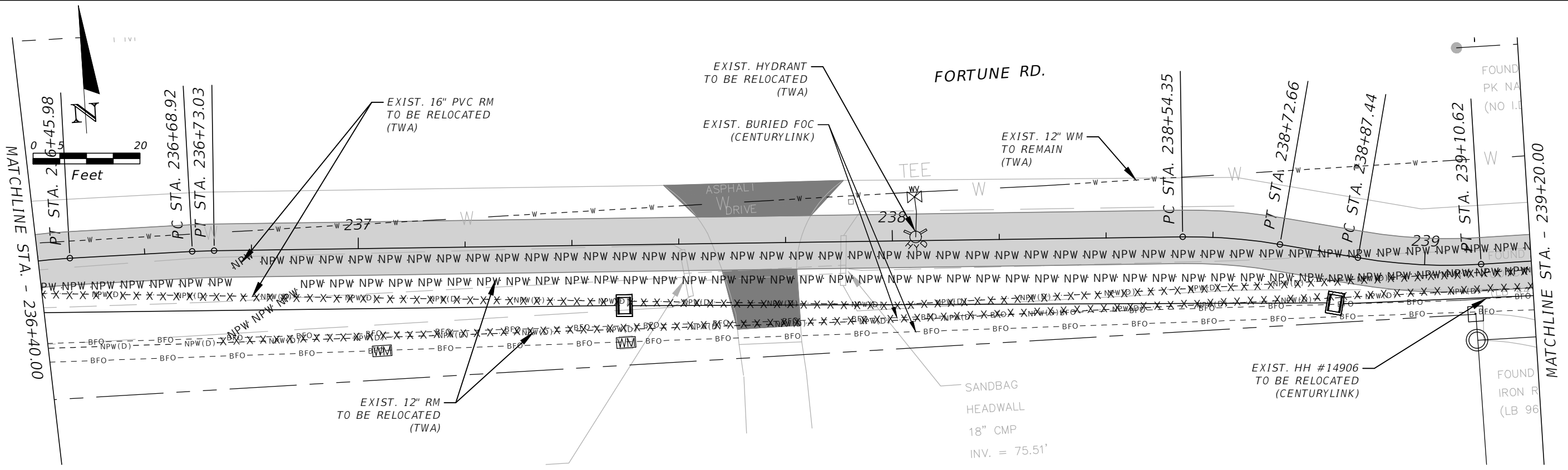
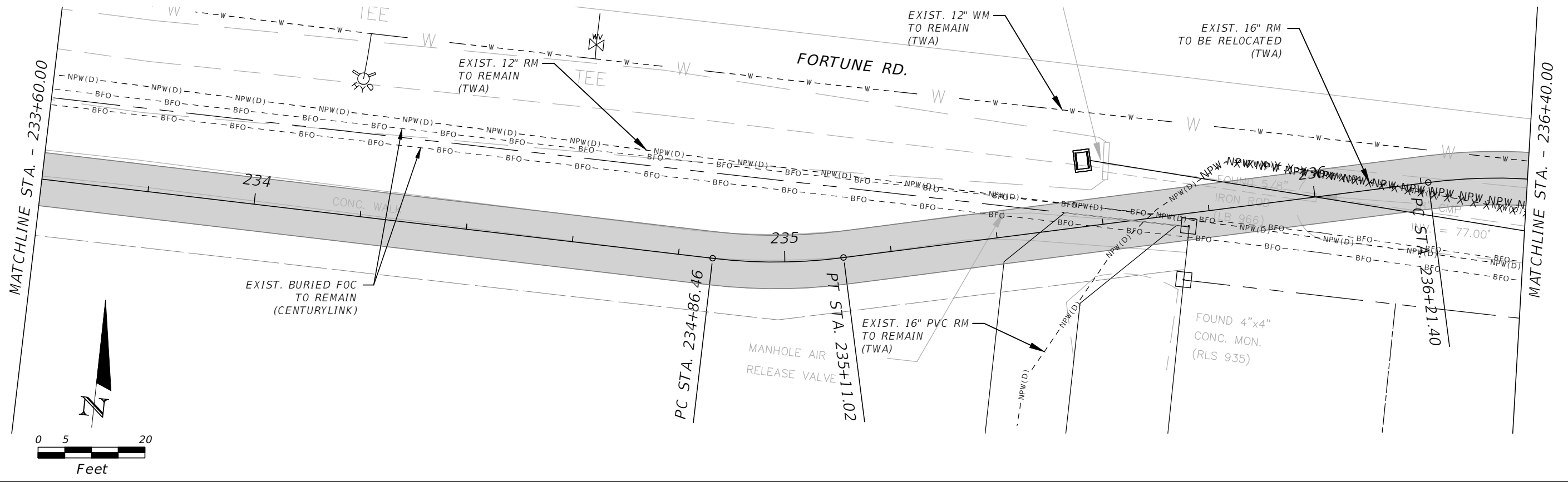


OSCEOLA COUNTY
FLORIDA

FORTUNE (EAST) UTILITY
ADJUSTMENT 6

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NO.
UT-21

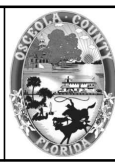
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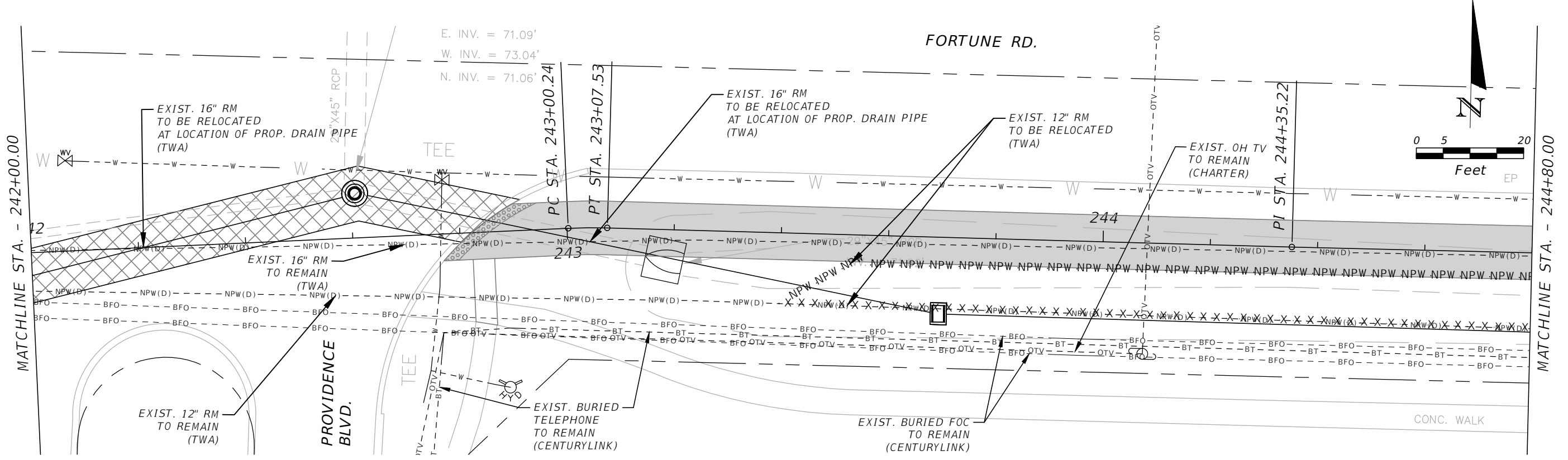
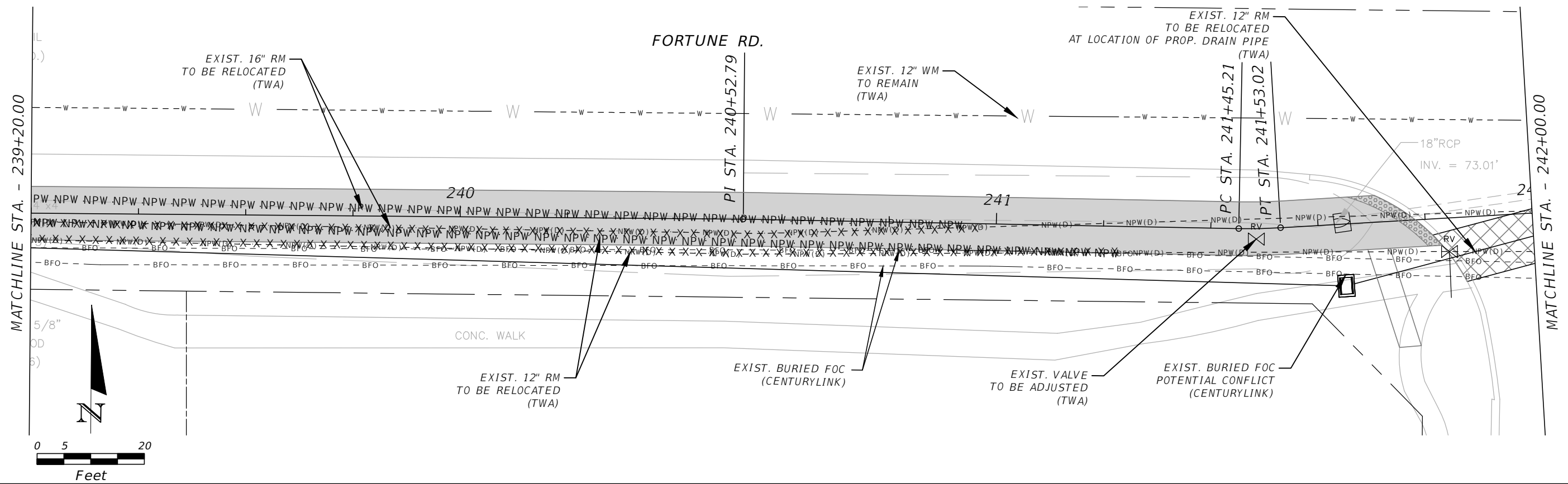


OSCEOLA COUNTY
FLORIDA

FORTUNE (EAST) UTILITY
ADJUSTMENT 7

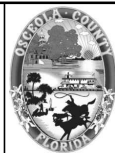
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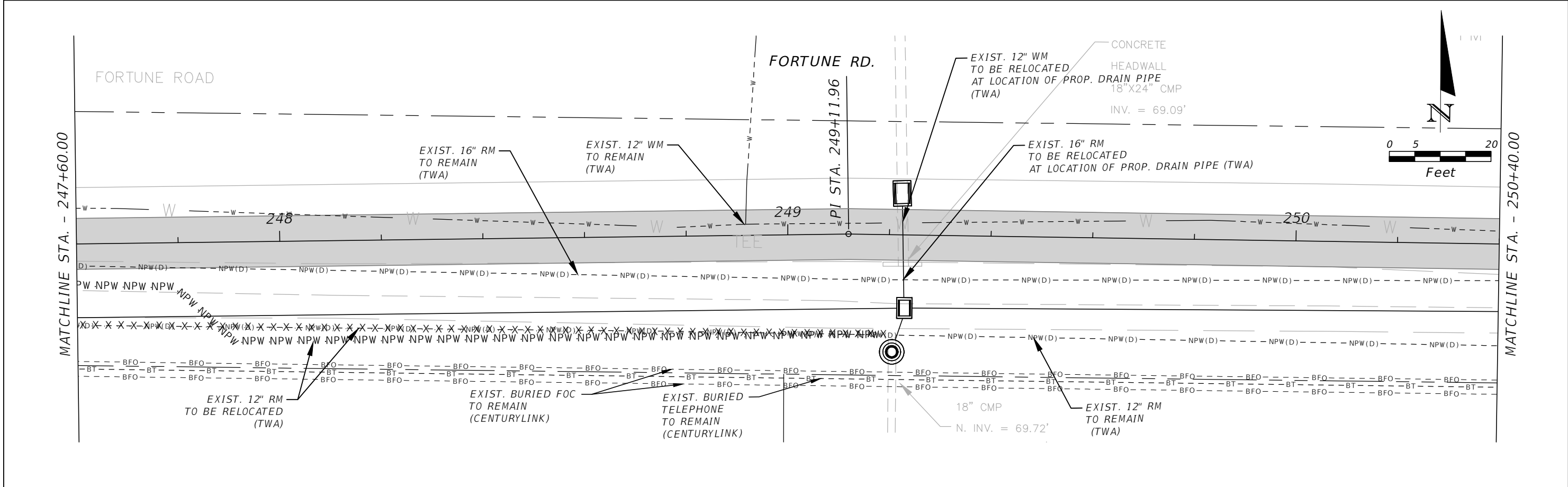
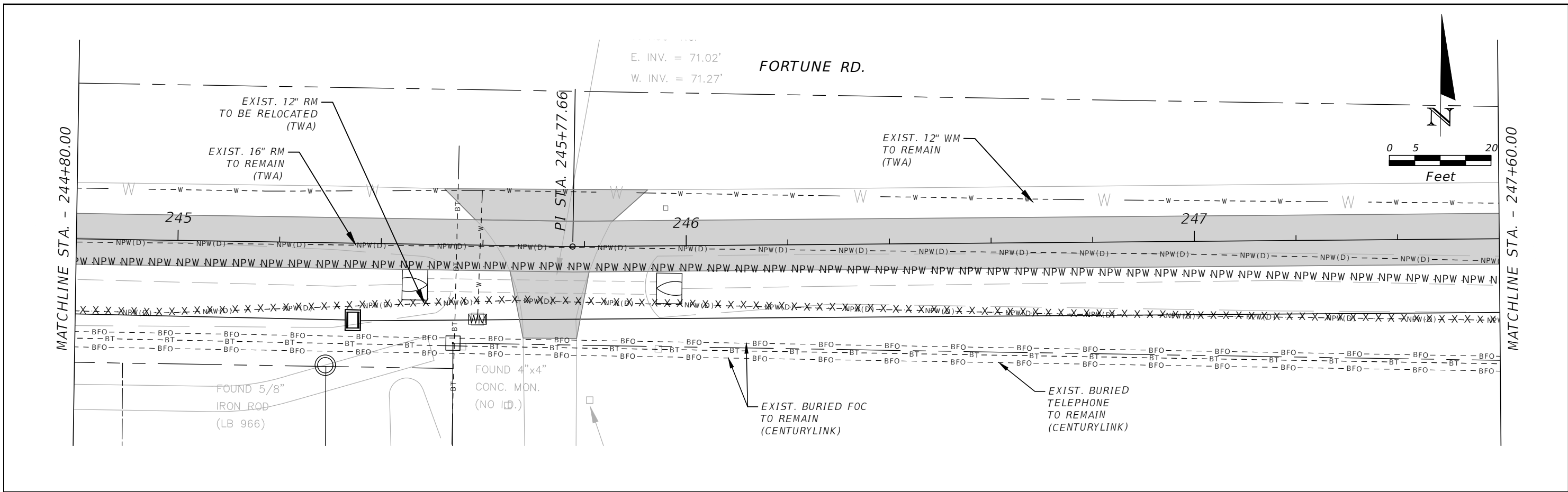


**OSCEOLA COUNTY
FLORIDA**

**FORTUNE (EAST) UTILITY
ADJUSTMENT 8**

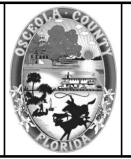
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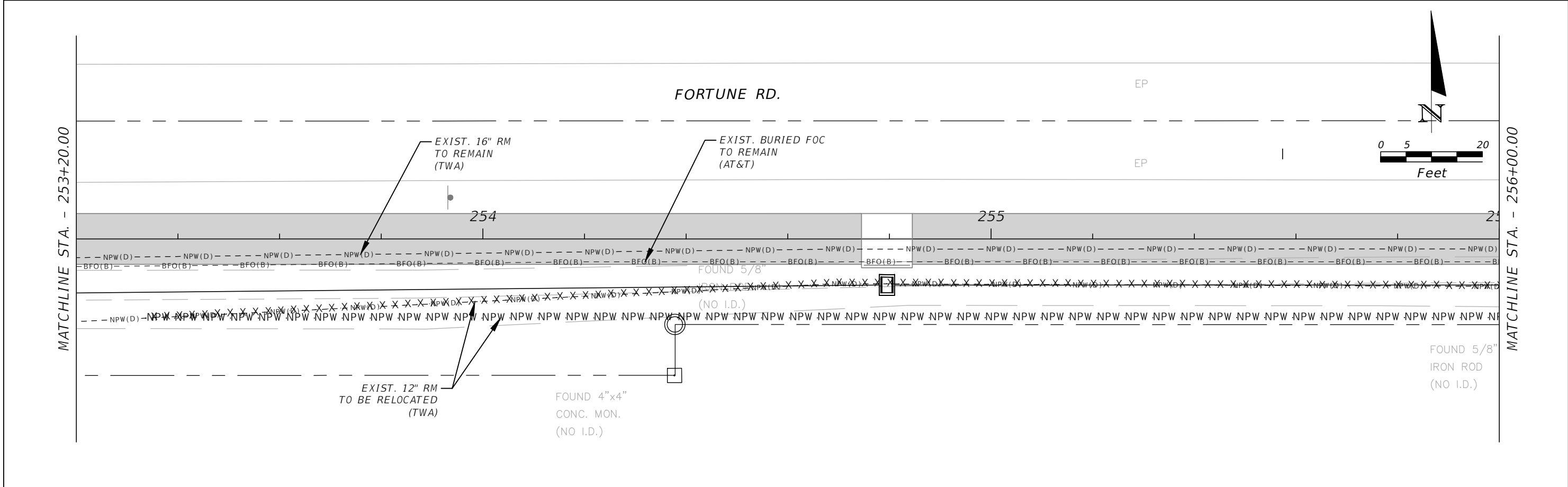
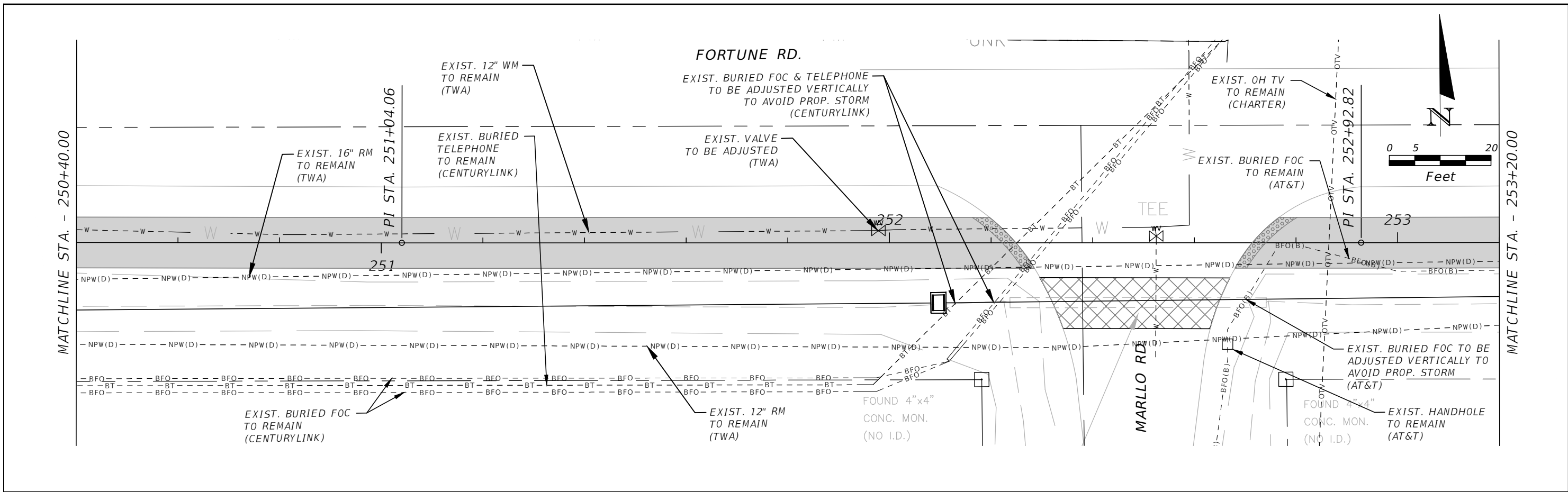


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FORTUNE (EAST) UTILITY
 ADJUSTMENT 9

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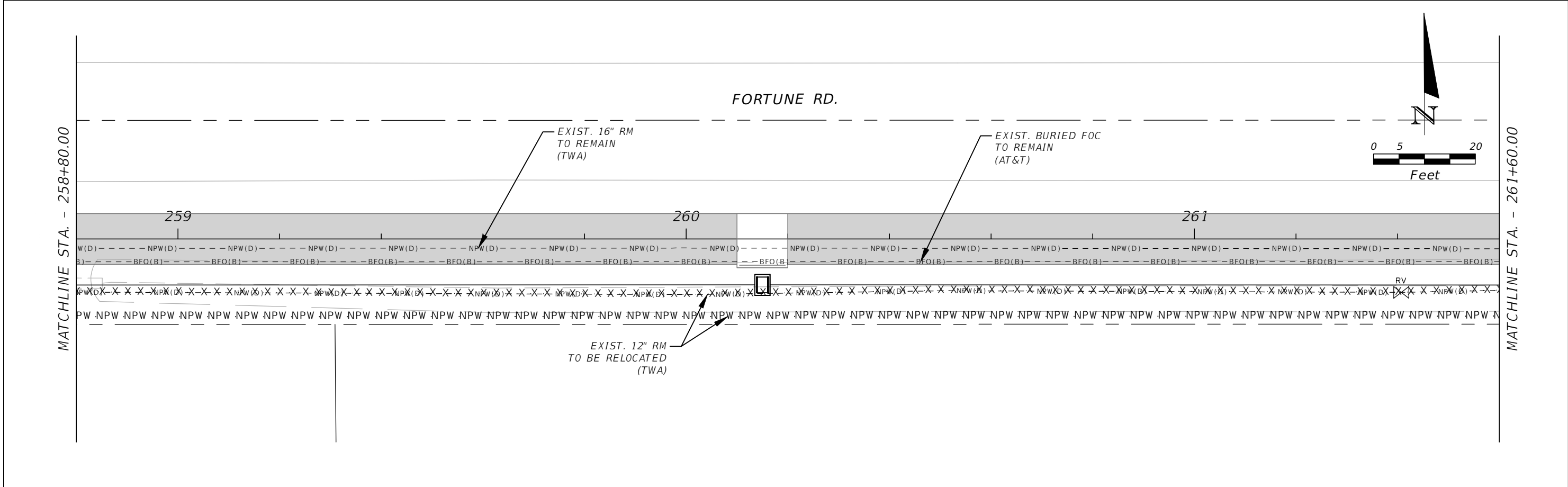
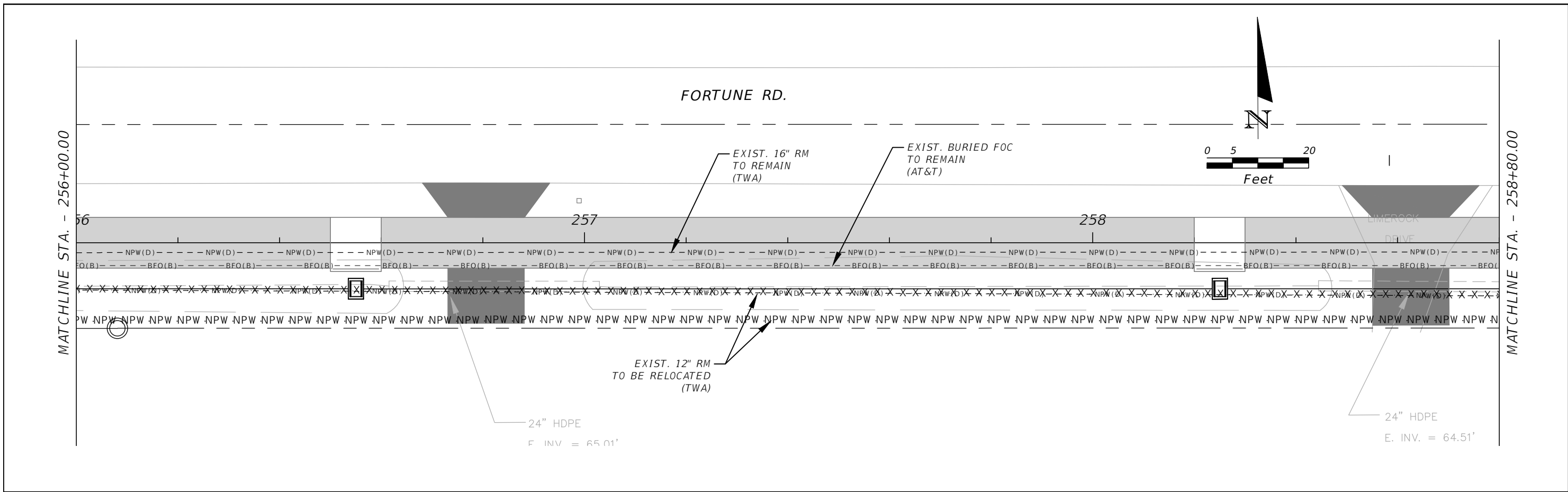
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FLORIDA

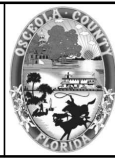
FORTUNE (EAST) UTILITY
ADJUSTMENT 10

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UT-25

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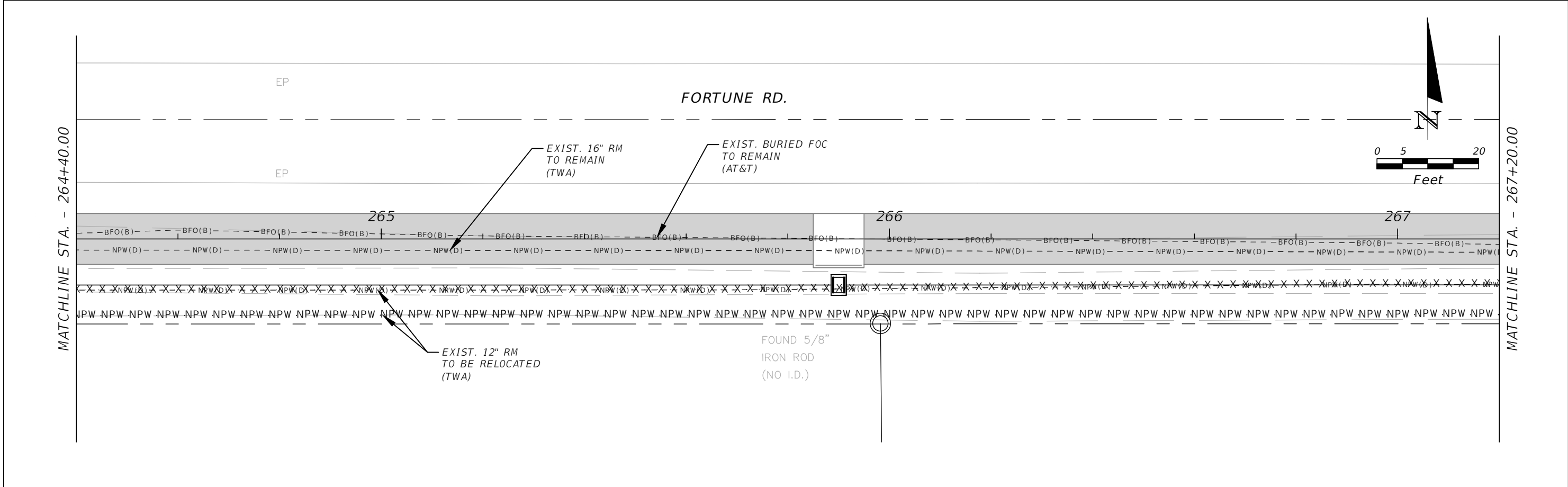
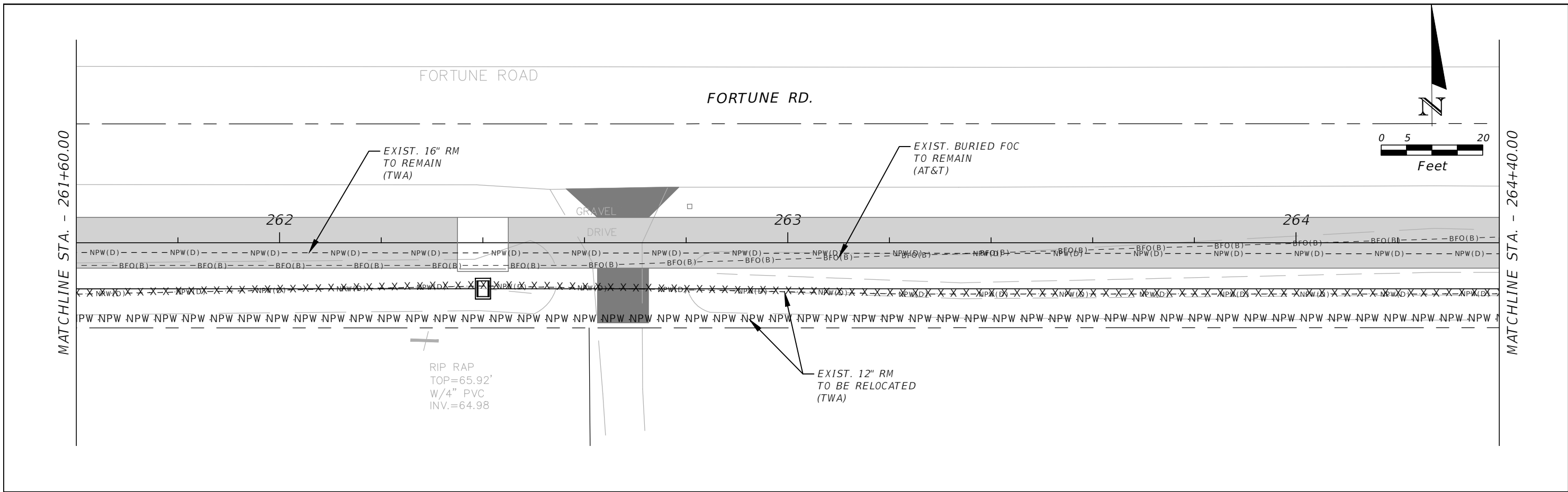


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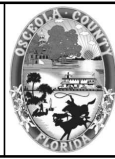
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ADJUSTMENT 11

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UT-26

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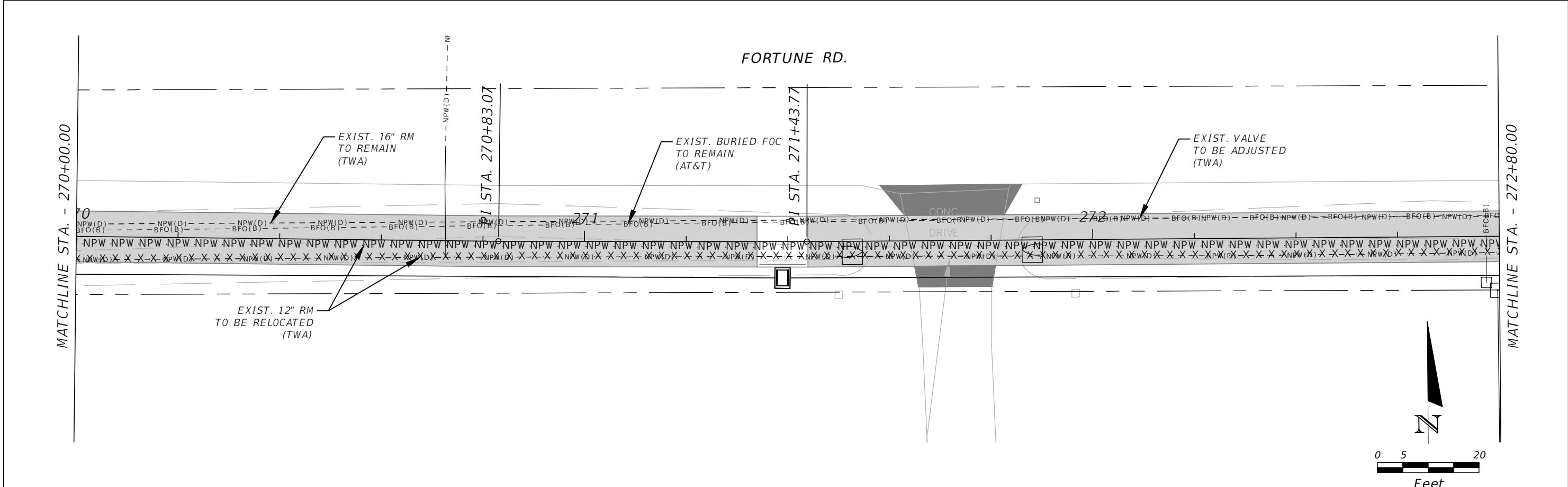
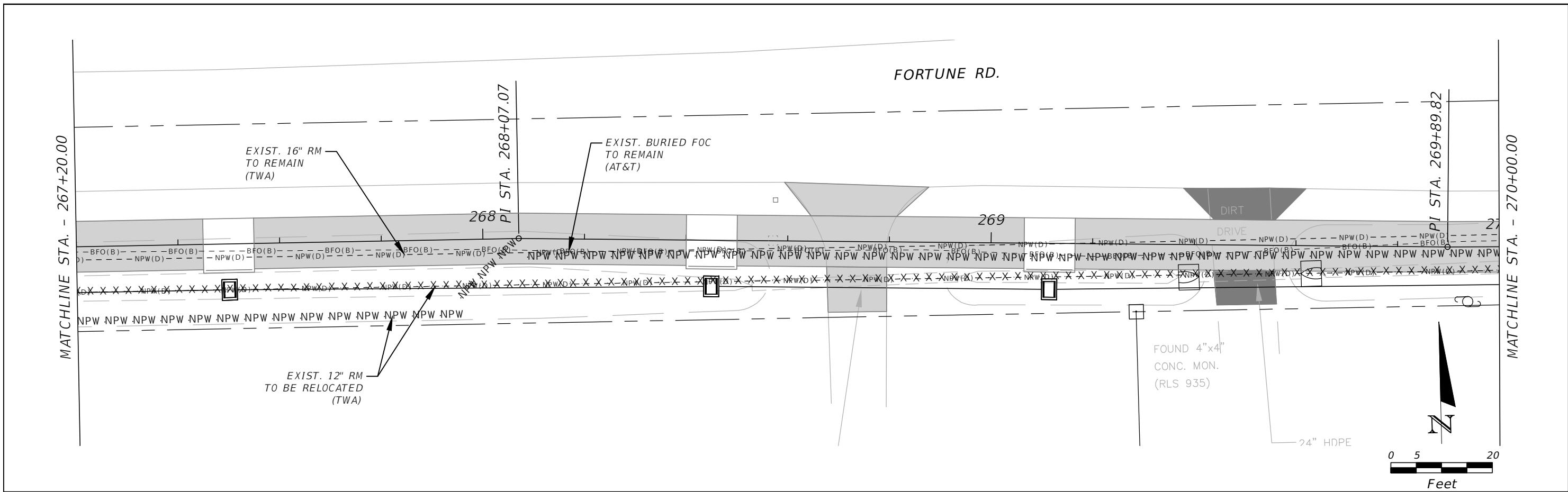


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FORTUNE (EAST) UTILITY
ADJUSTMENT 12

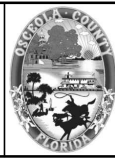
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UT-27

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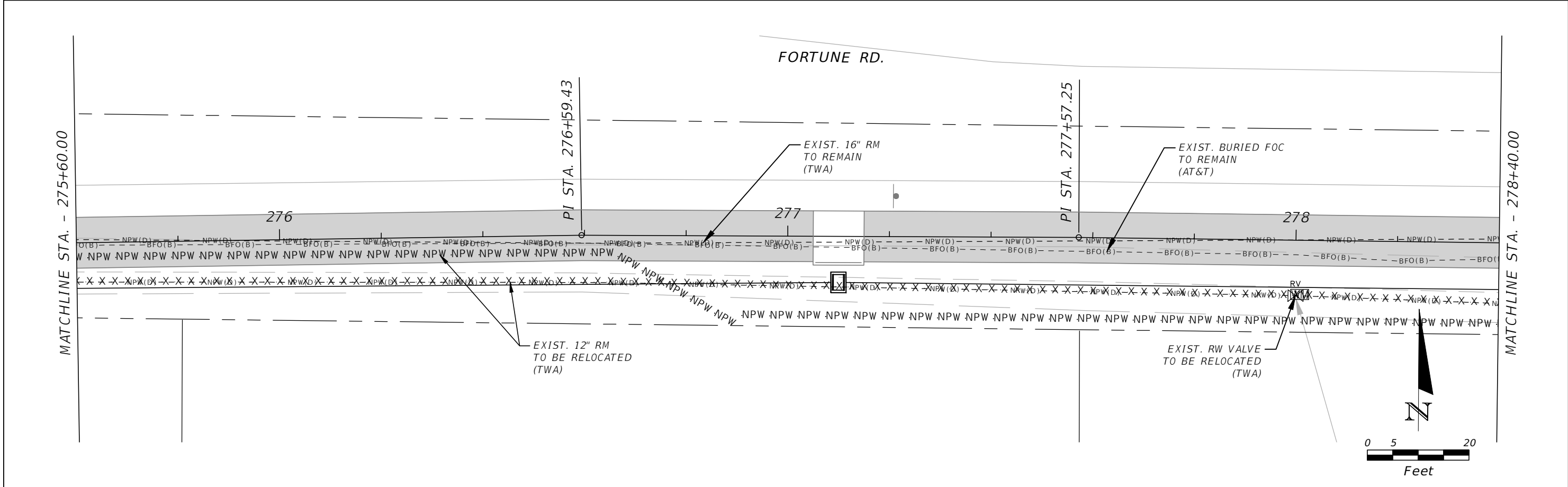
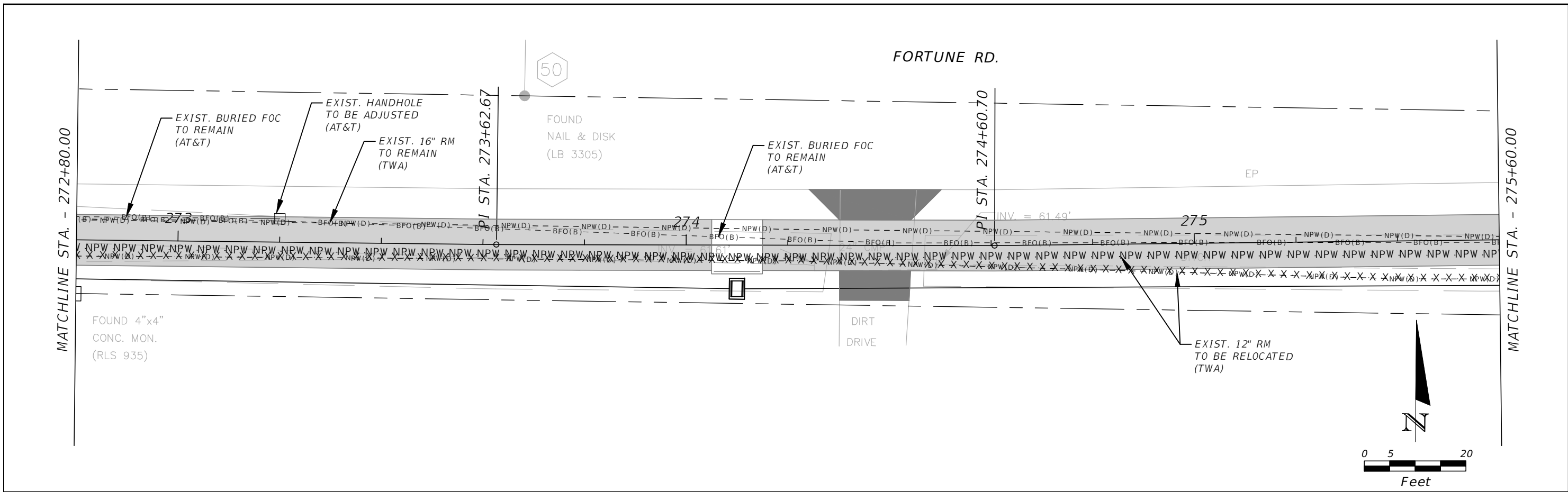


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FORTUNE (EAST) UTILITY
 ADJUSTMENT 13

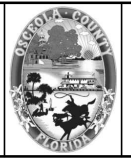
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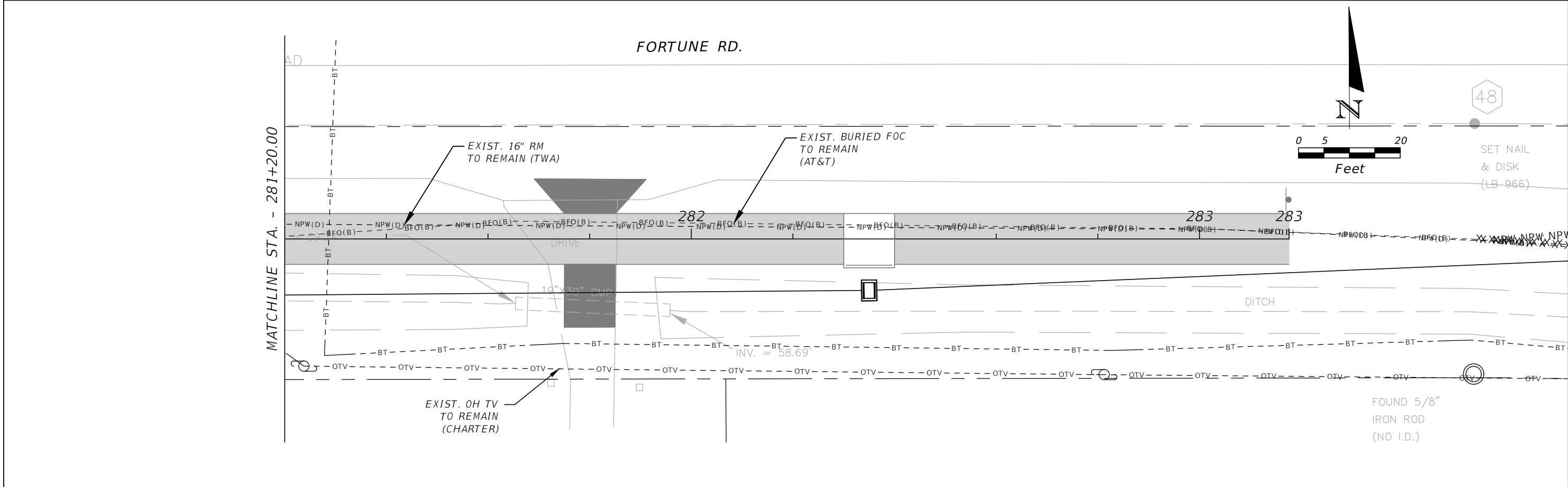
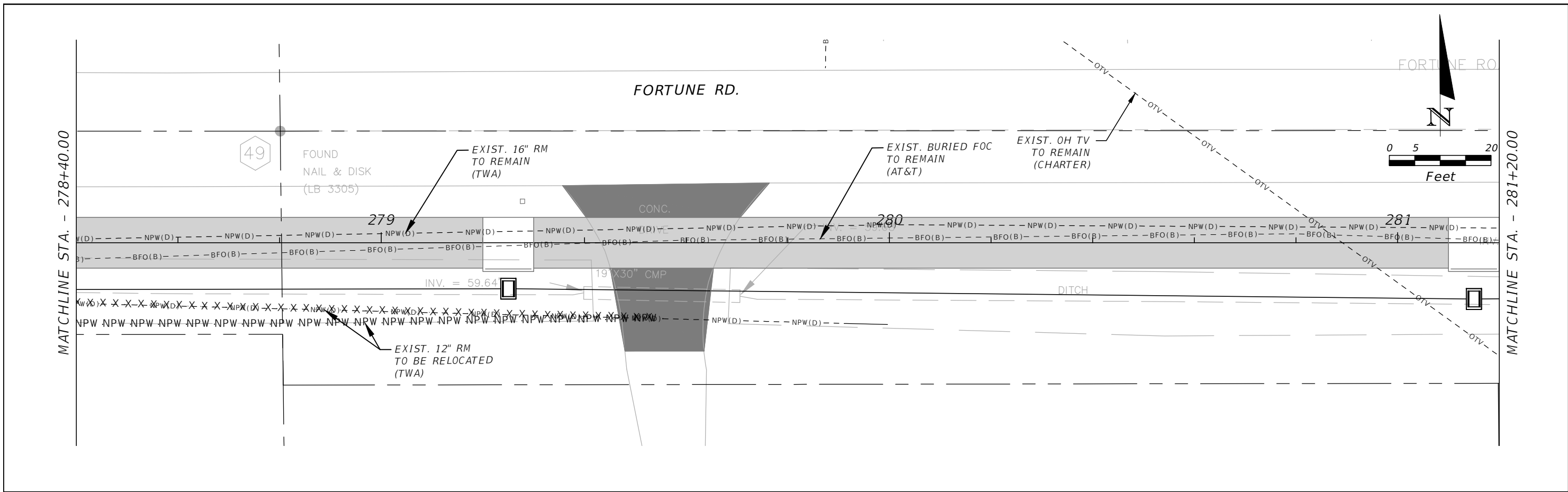


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**FORTUNE (EAST) UTILITY
ADJUSTMENT 14**

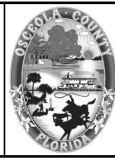
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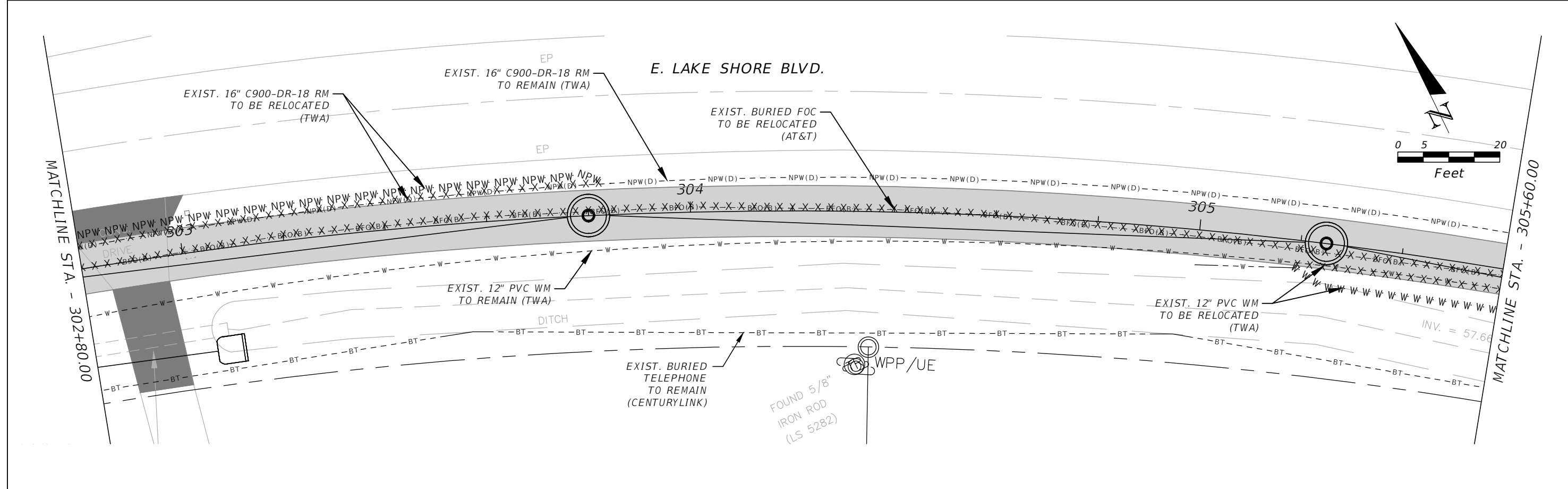
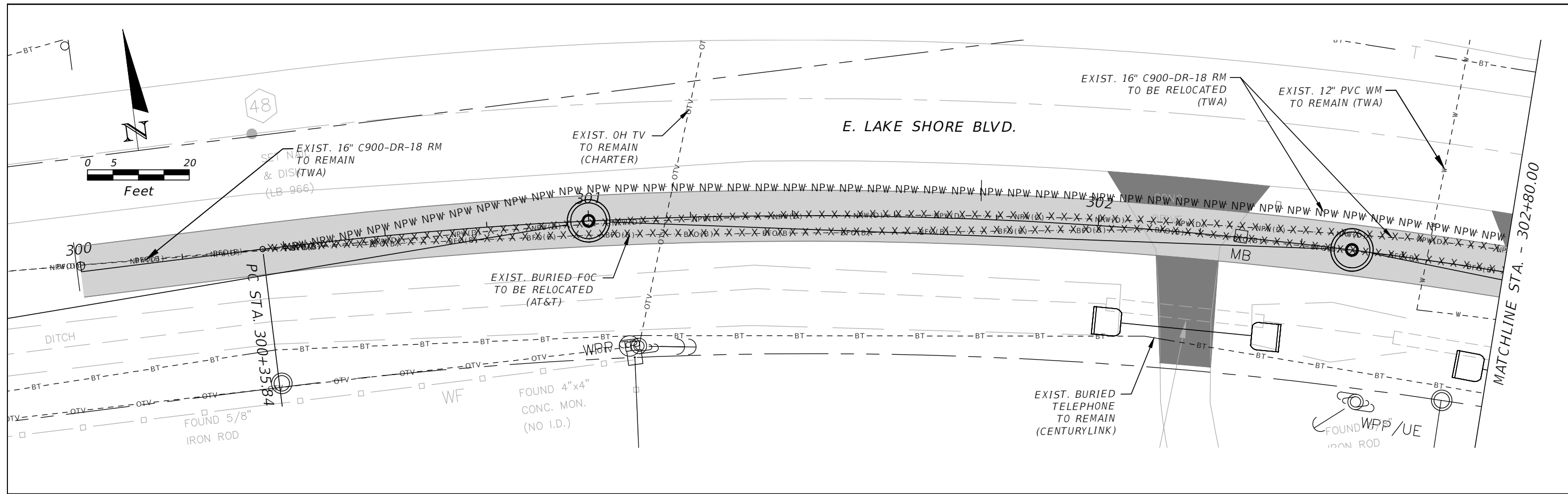


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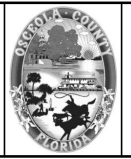
**FORTUNE (EAST) UTILITY
 ADJUSTMENT 15**

SHEET
 NO.
UT-30

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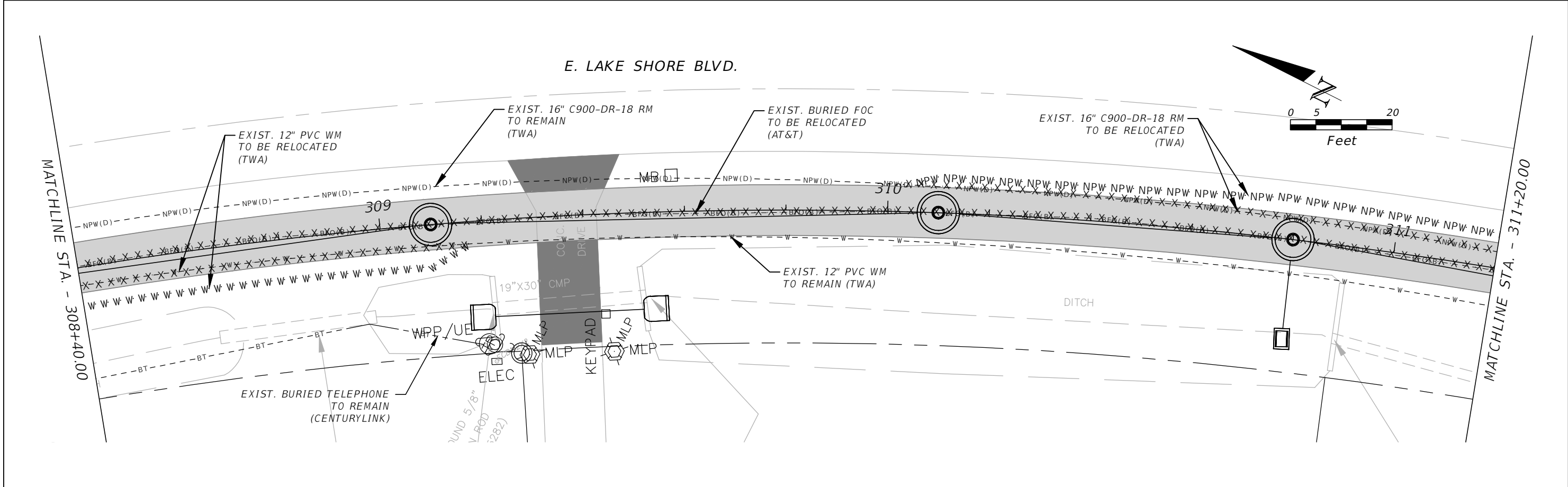
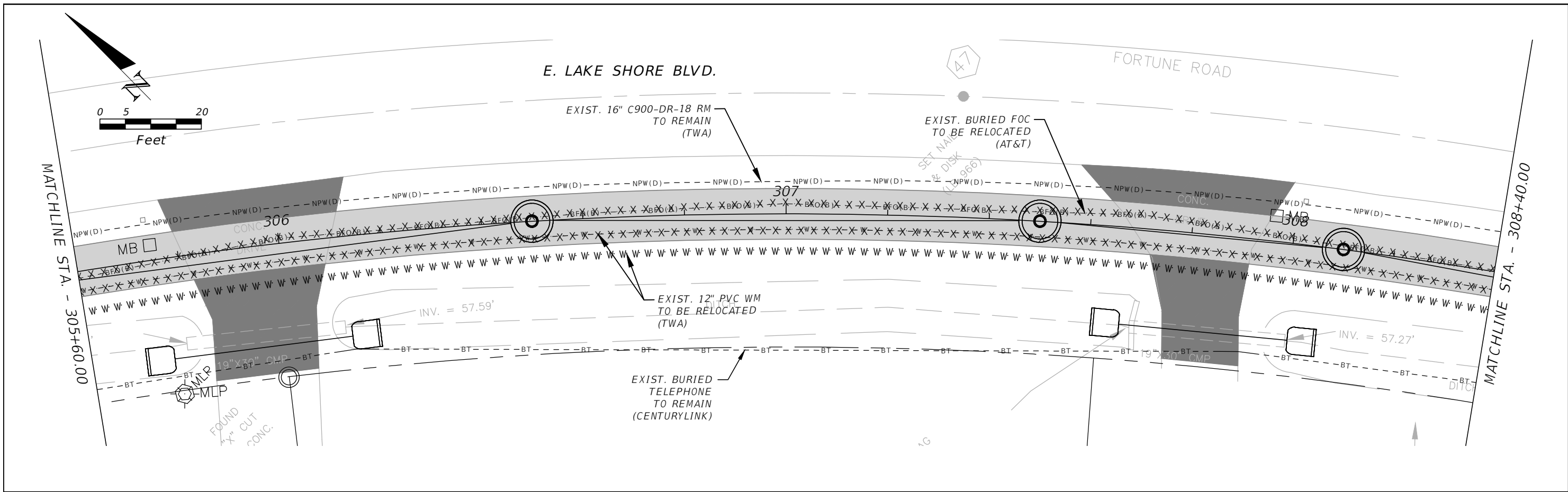


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E. LAKESHORE (NORTH) UTILITY
ADJUSTMENT 1

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UT-31

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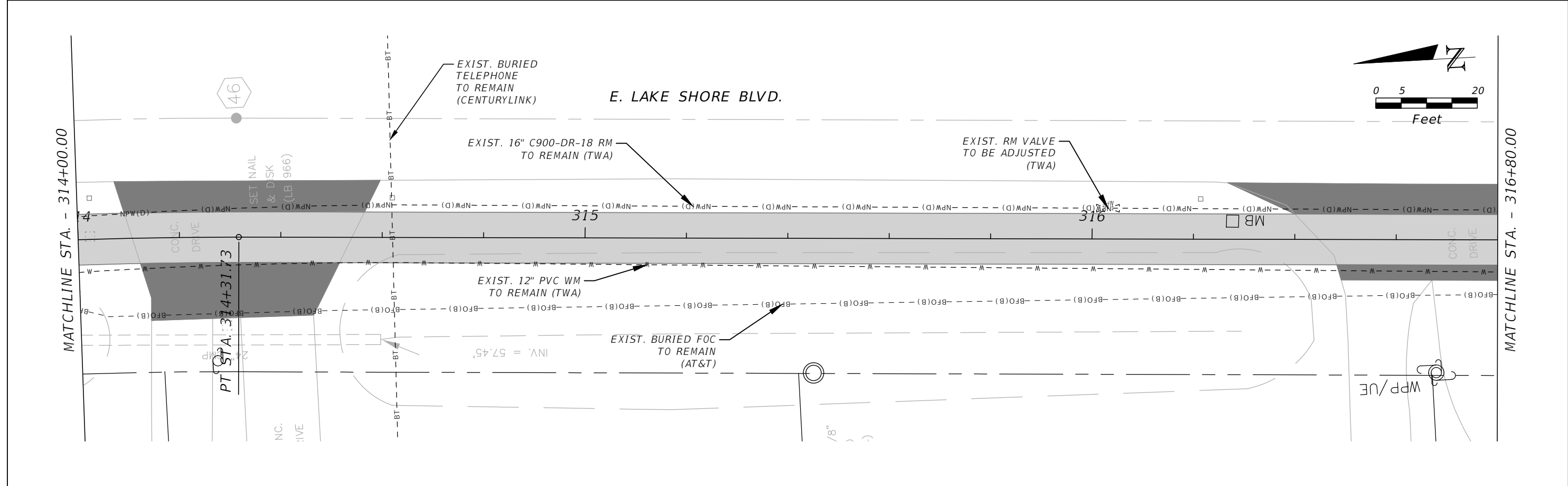
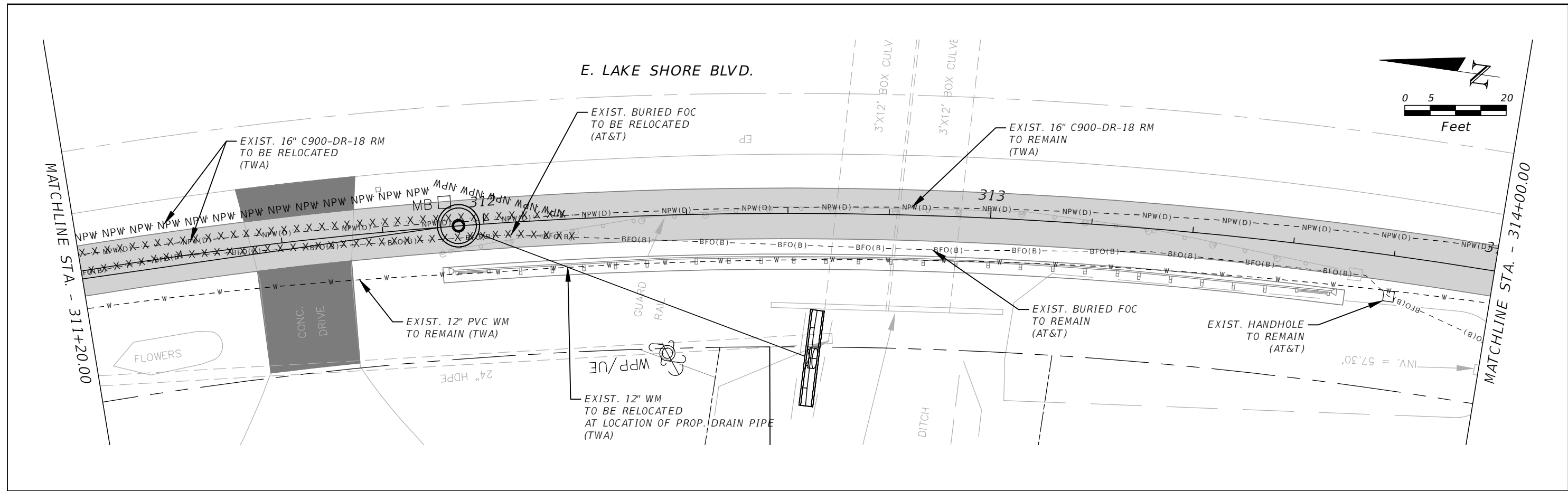
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**E. LAKESHORE (NORTH) UTILITY
 ADJUSTMENT 2**

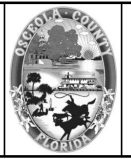
SHEET NO.
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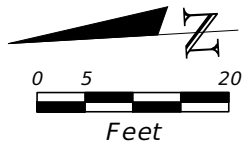
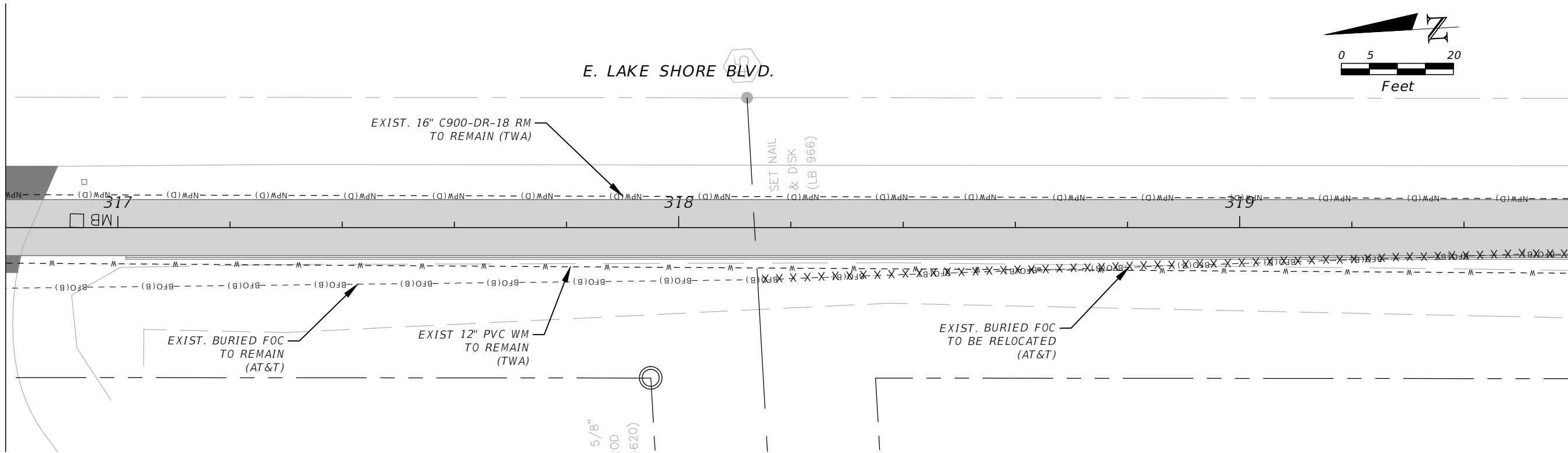
OSCEOLA COUNTY
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**E. LAKESHORE (NORTH) UTILITY
 ADJUSTMENT 3**

SHEET
 NO.
UT-33

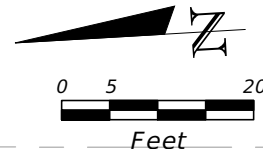
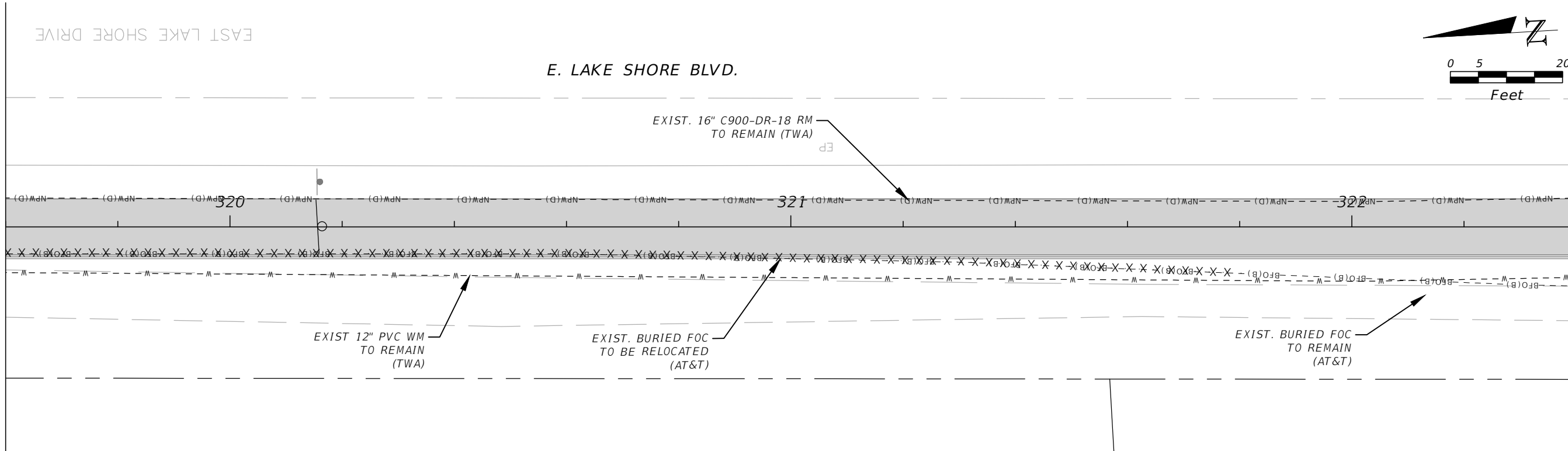
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MATCHLINE STA. - 316+80.00



MATCHLINE STA. - 319+60.00

MATCHLINE STA. - 319+60.00

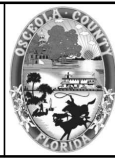


MATCHLINE STA. - 322+40.00

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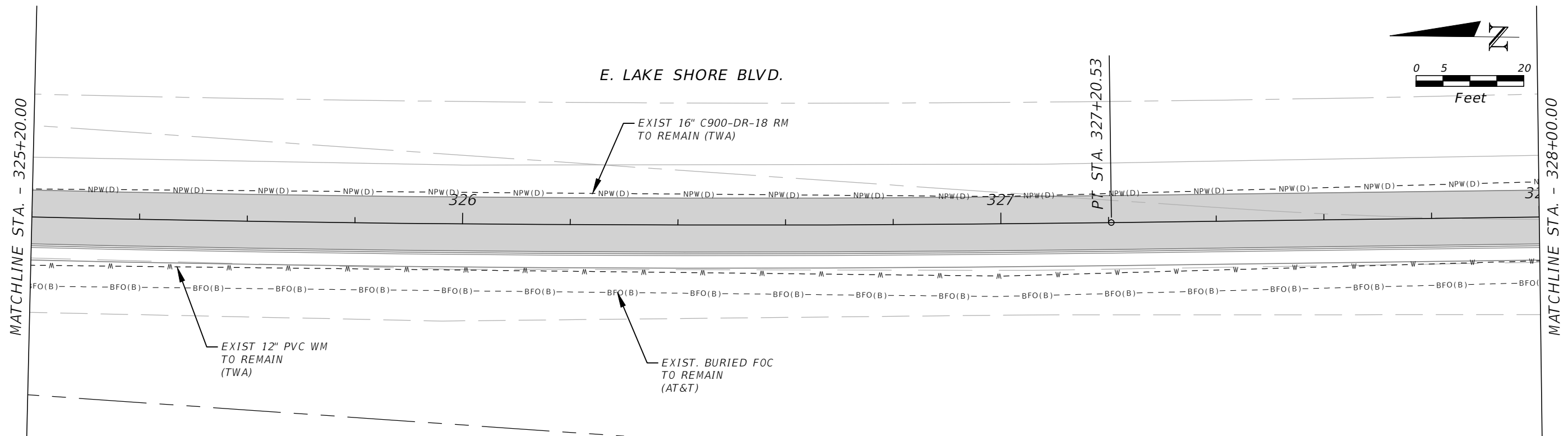
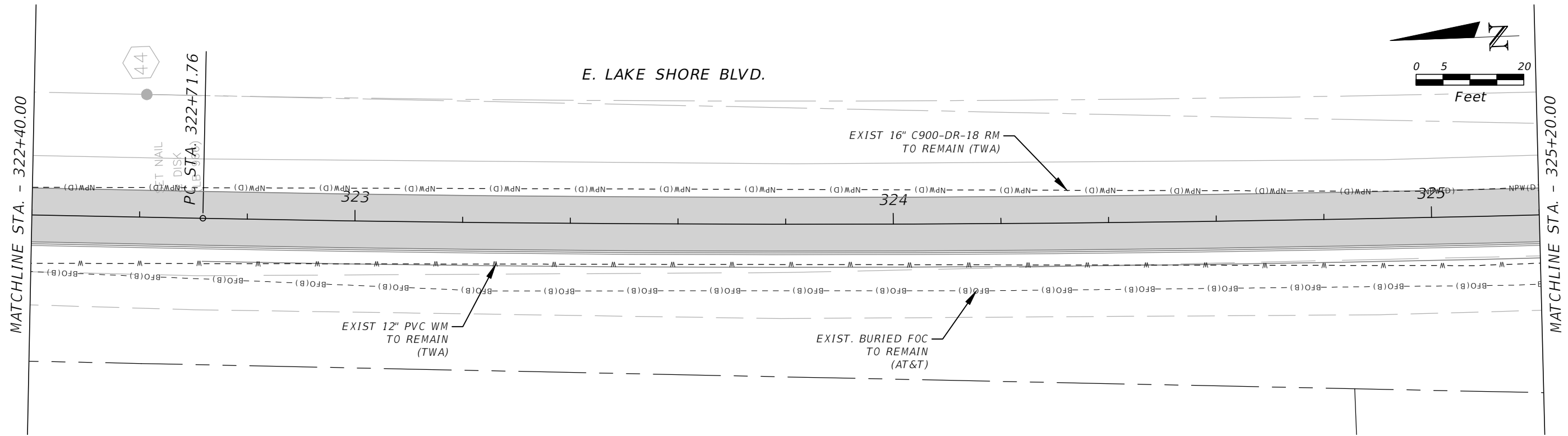


OSCEOLA COUNTY
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*E. LAKESHORE (NORTH) UTILITY
ADJUSTMENT 4*

SHEET NO.
UT-34

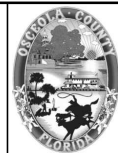
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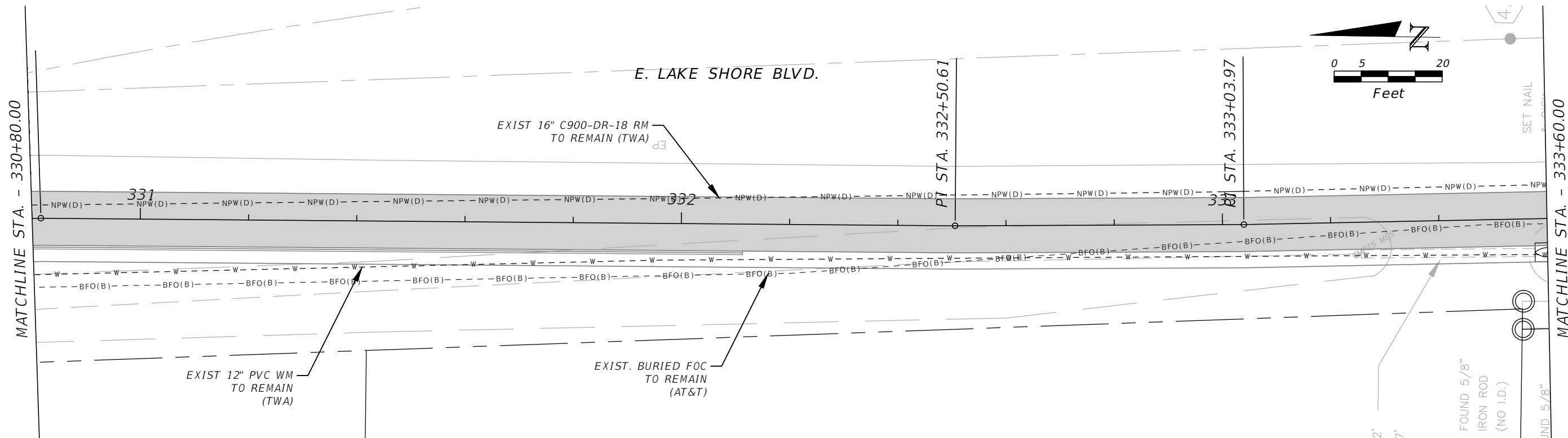
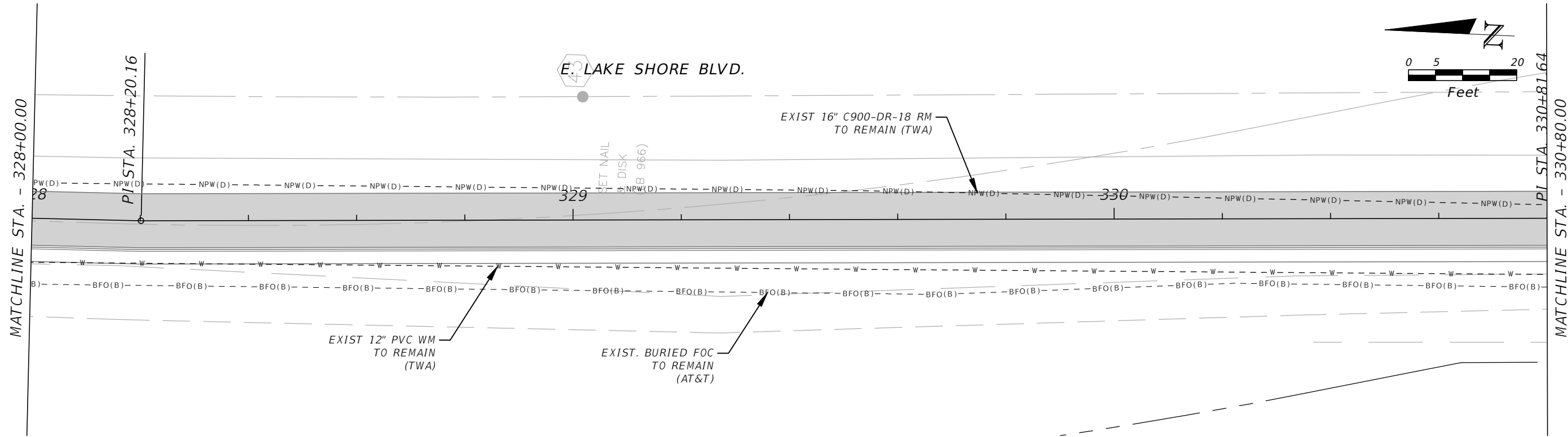


OSCEOLA COUNTY
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*E. LAKESHORE (NORTH) UTILITY
ADJUSTMENT 5*

SHEET
NO.
UT-35

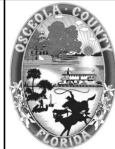
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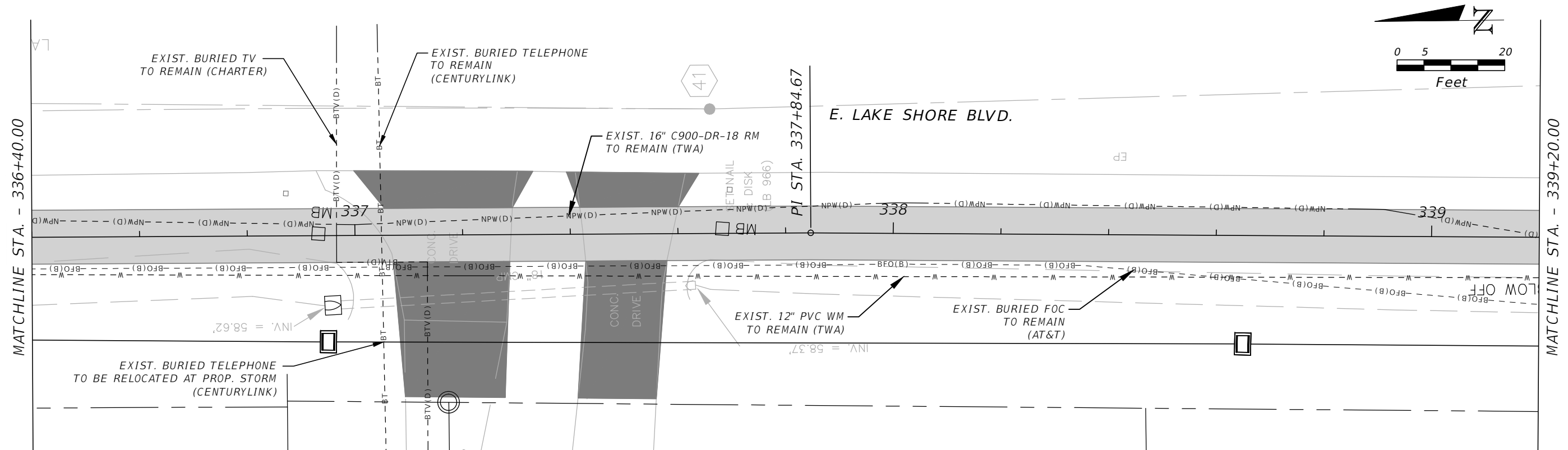
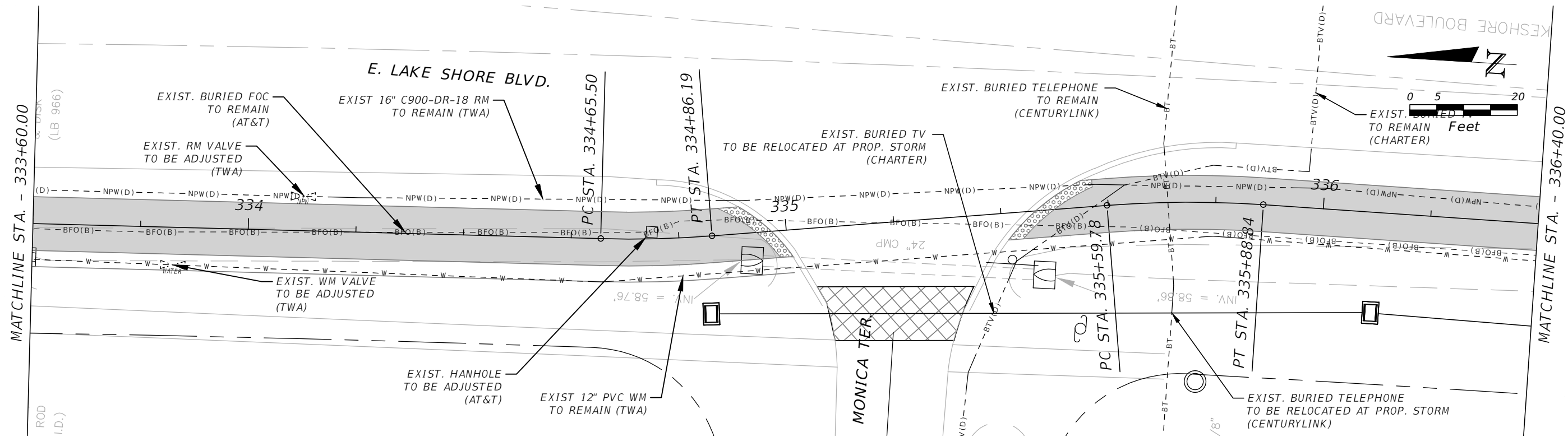


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*E. LAKESHORE (NORTH) UTILITY
ADJUSTMENT 6*

SHEET NO.
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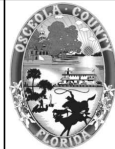
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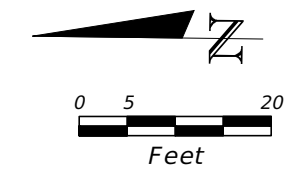
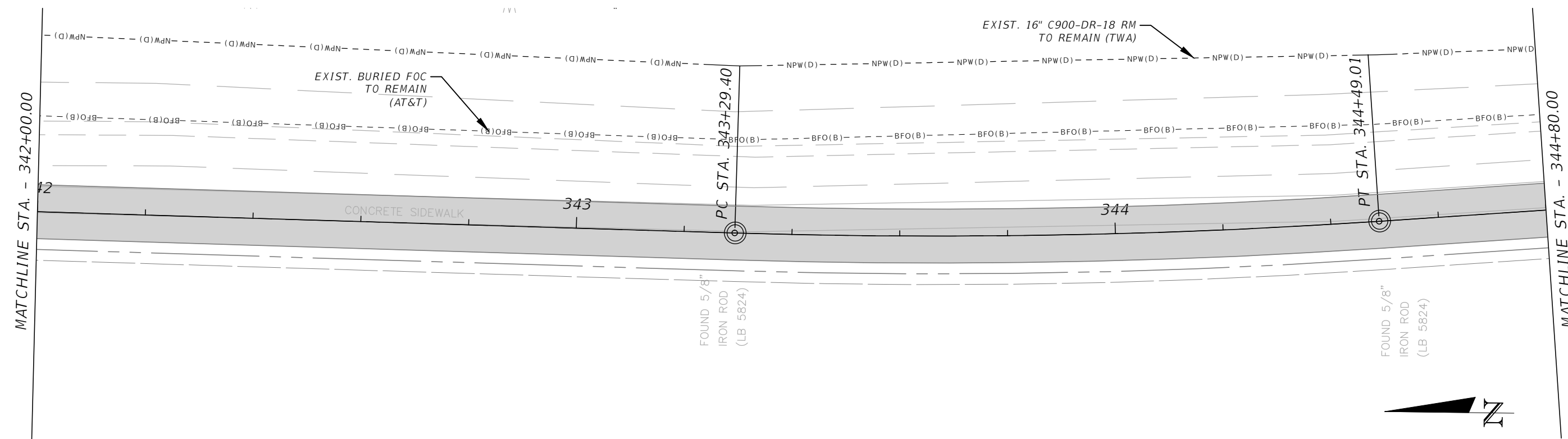
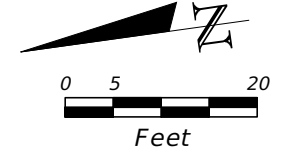
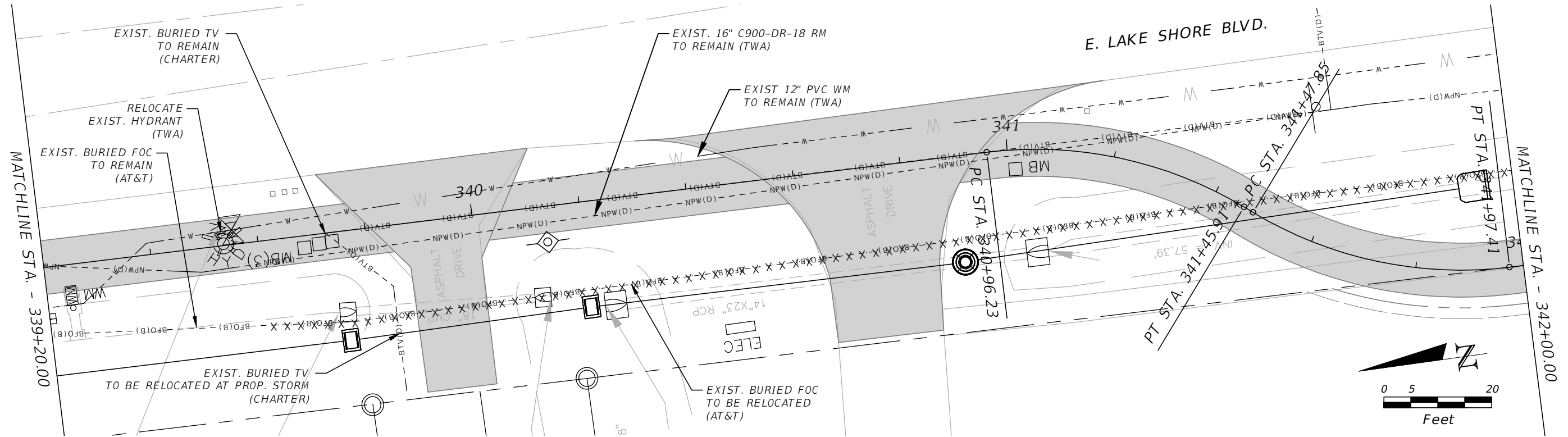


OSCEOLA COUNTY
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E. LAKESHORE (NORTH) UTILITY
ADJUSTMENT 7

SHEET NO.
UT-37

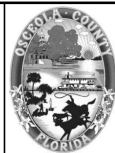
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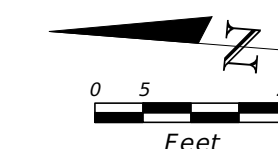
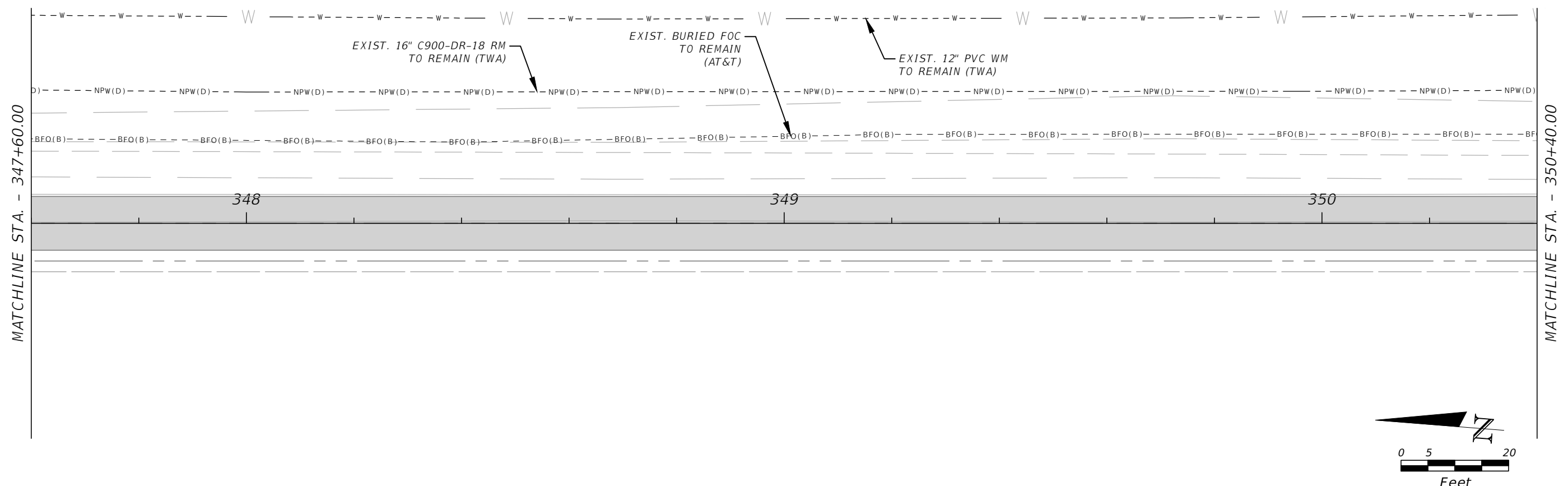
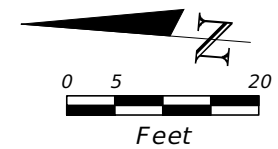
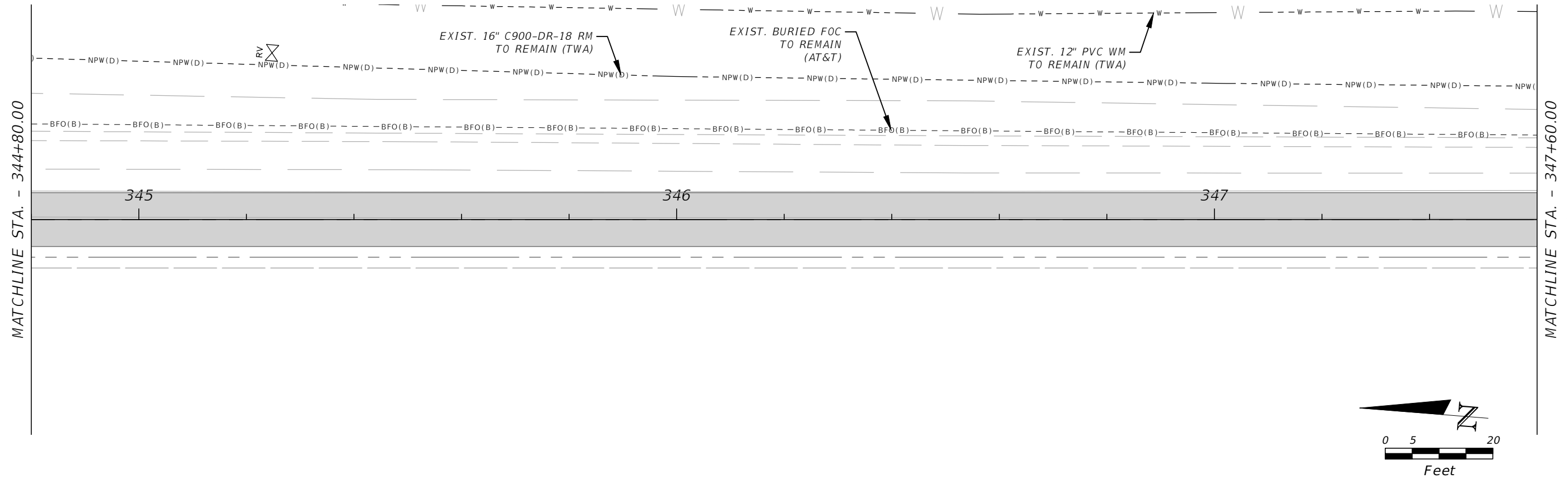


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ADJUSTMENT 8

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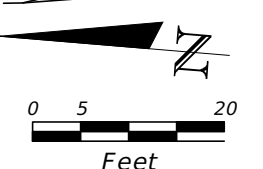
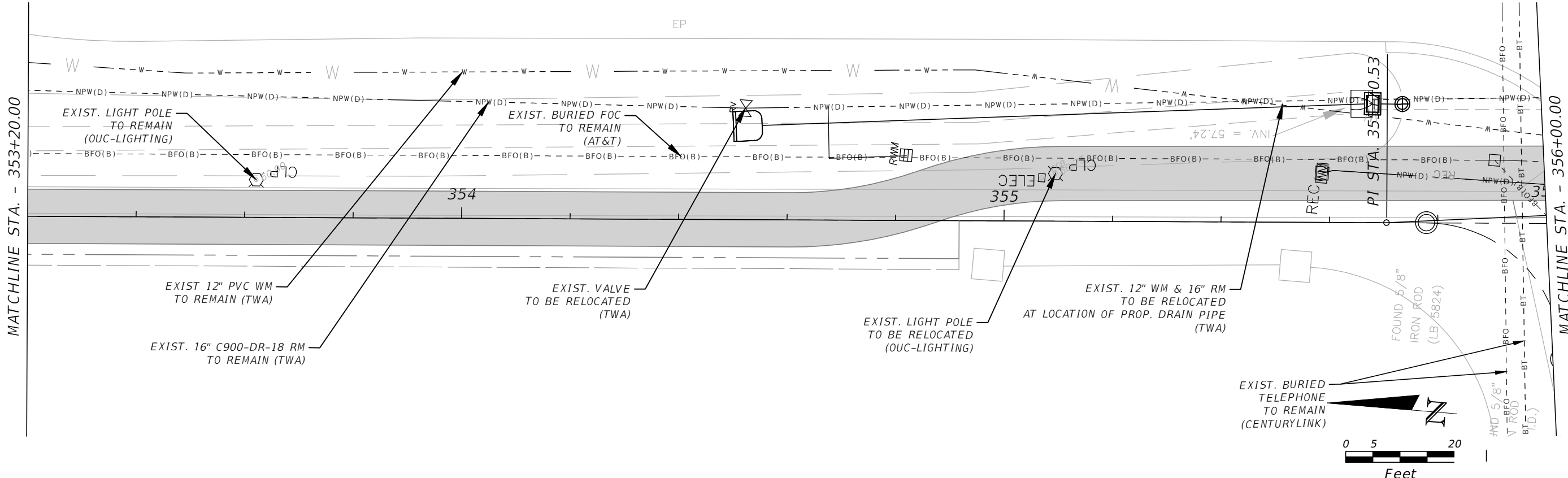
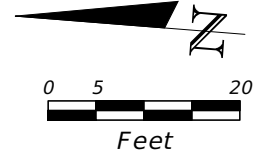
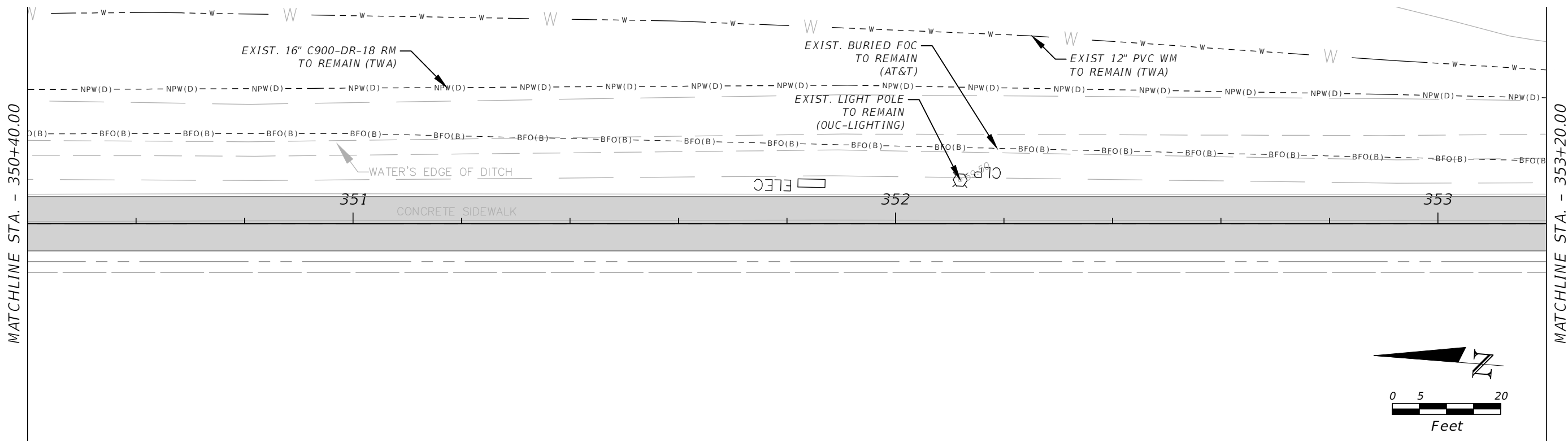


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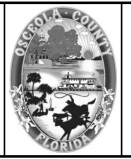
*E. LAKESHORE (NORTH) UTILITY
ADJUSTMENT 9*

SHEET NO.
UT-39

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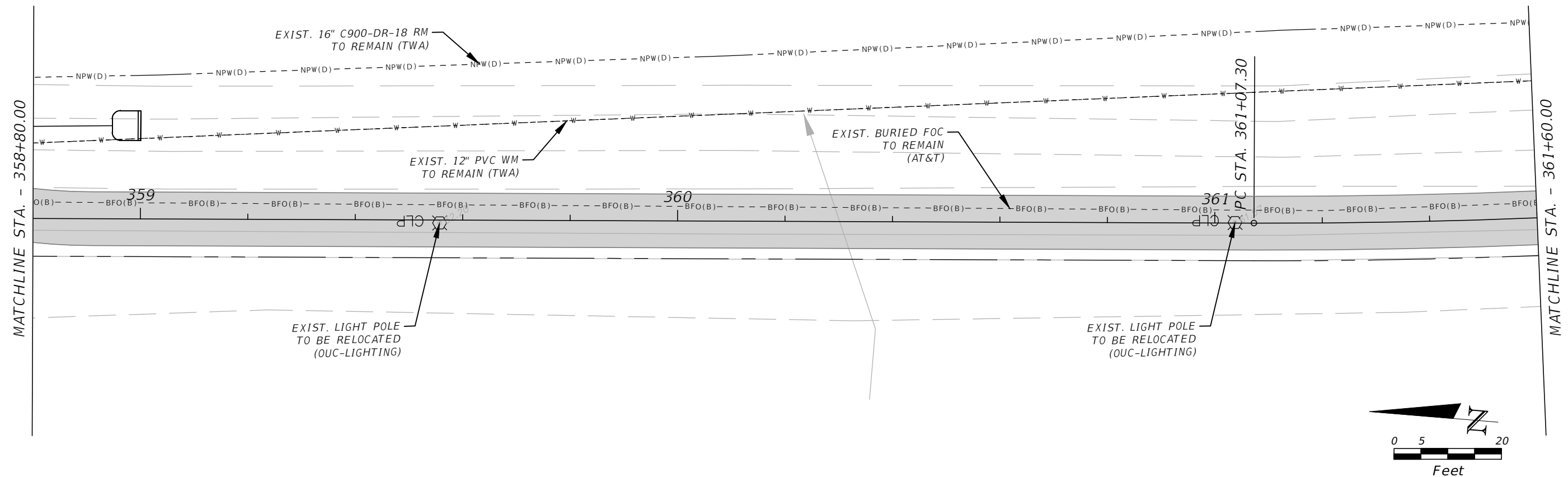
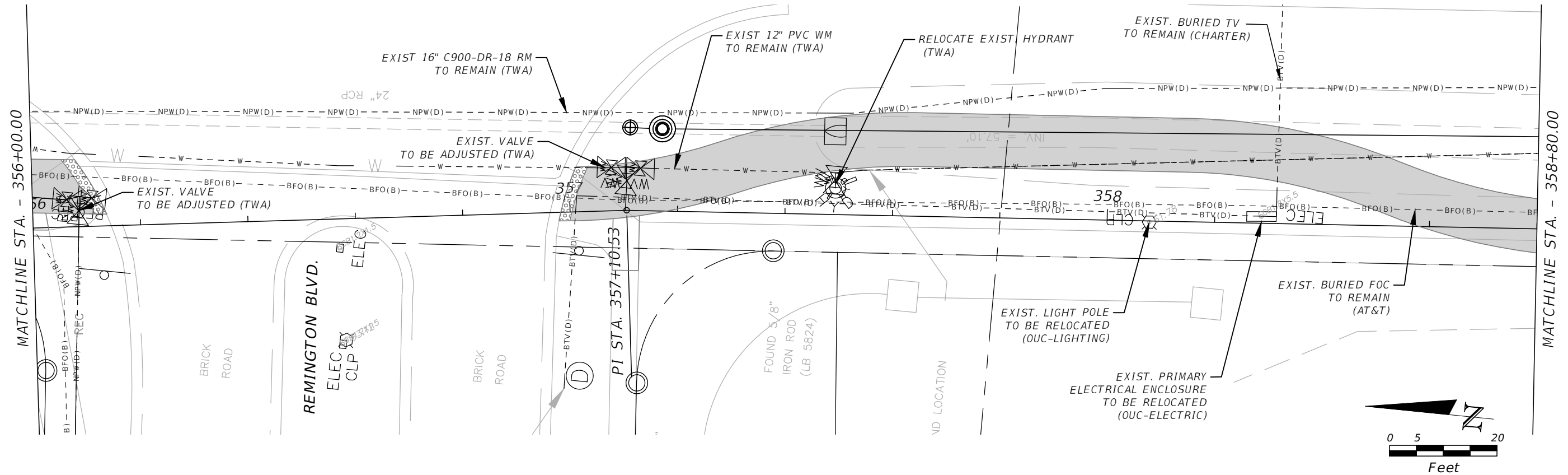


OSCEOLA COUNTY
FLORIDA

*E. LAKESHORE (NORTH) UTILITY
ADJUSTMENT 10*

SHEET NO.
UT-40

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

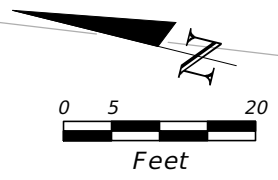
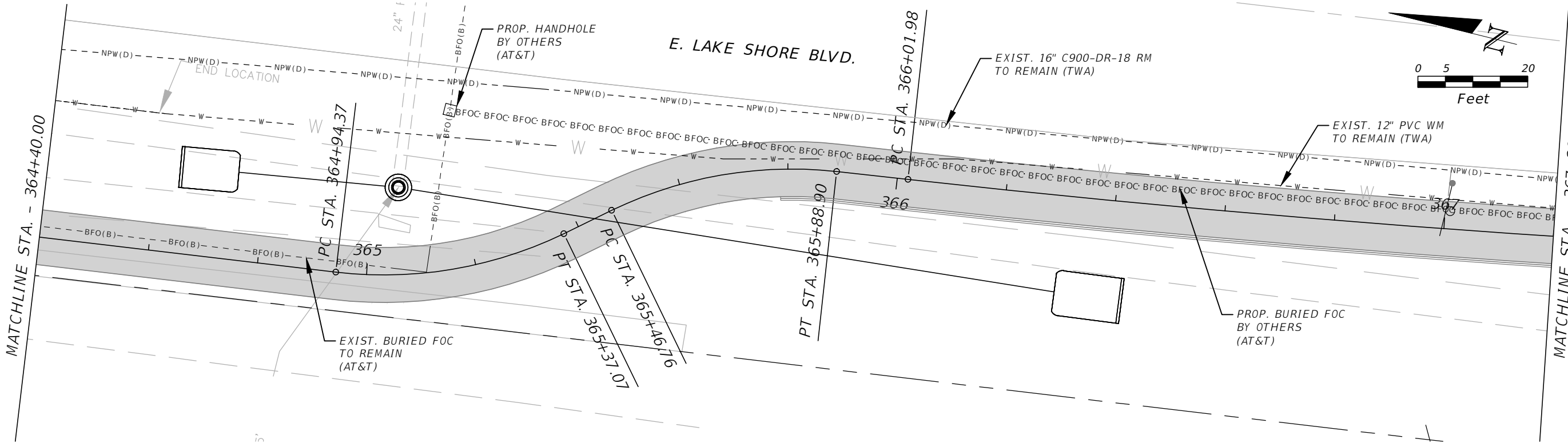
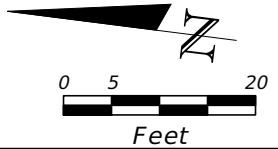
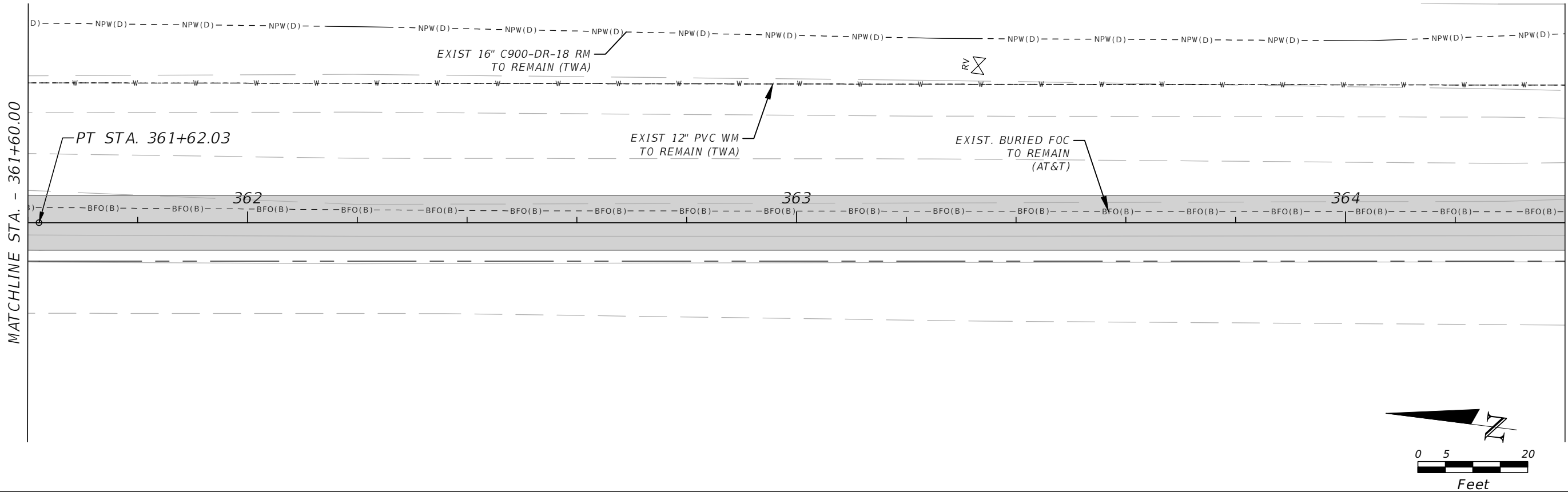


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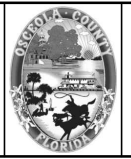
**E. LAKESHORE (NORTH) UTILITY
 ADJUSTMENT 11**

SHEET NO.
 UT-41

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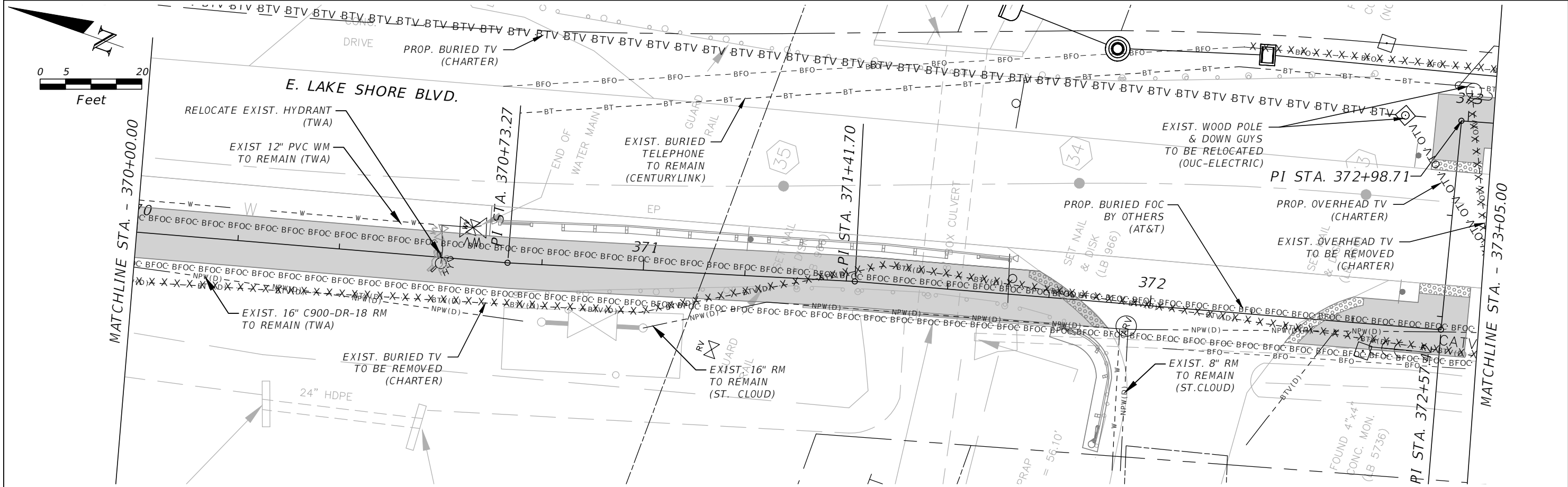
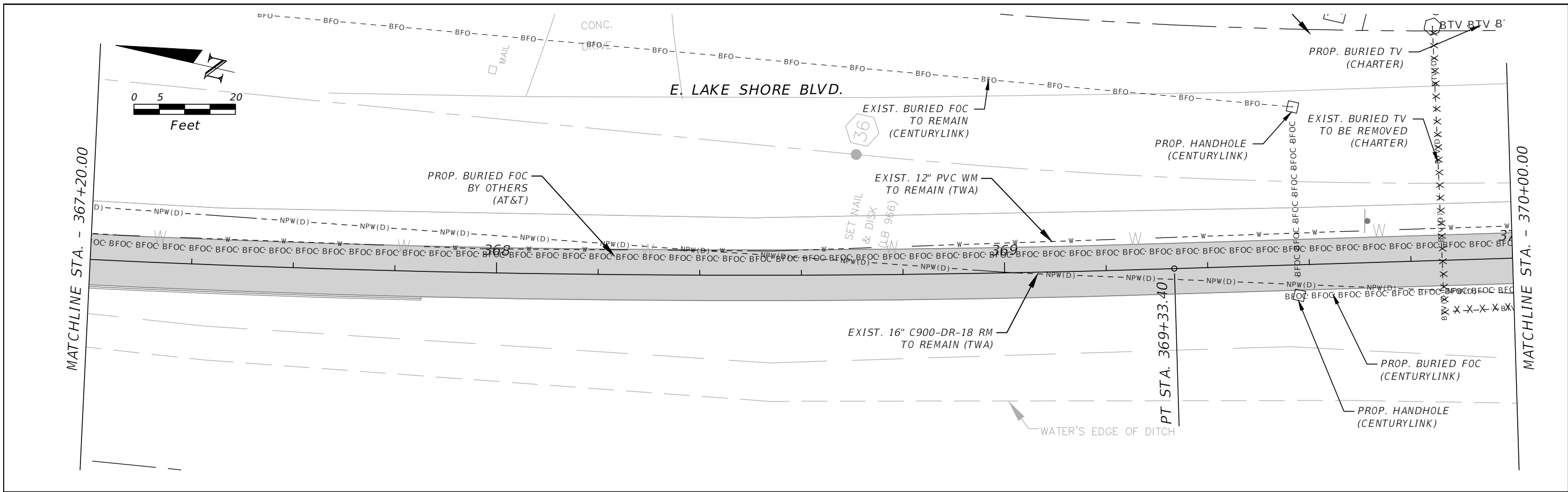


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FLORIDA

E. LAKESHORE (NORTH) UTILITY
ADJUSTMENT 12

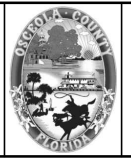
SHEET NO.
UT-42

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 PE # 63437

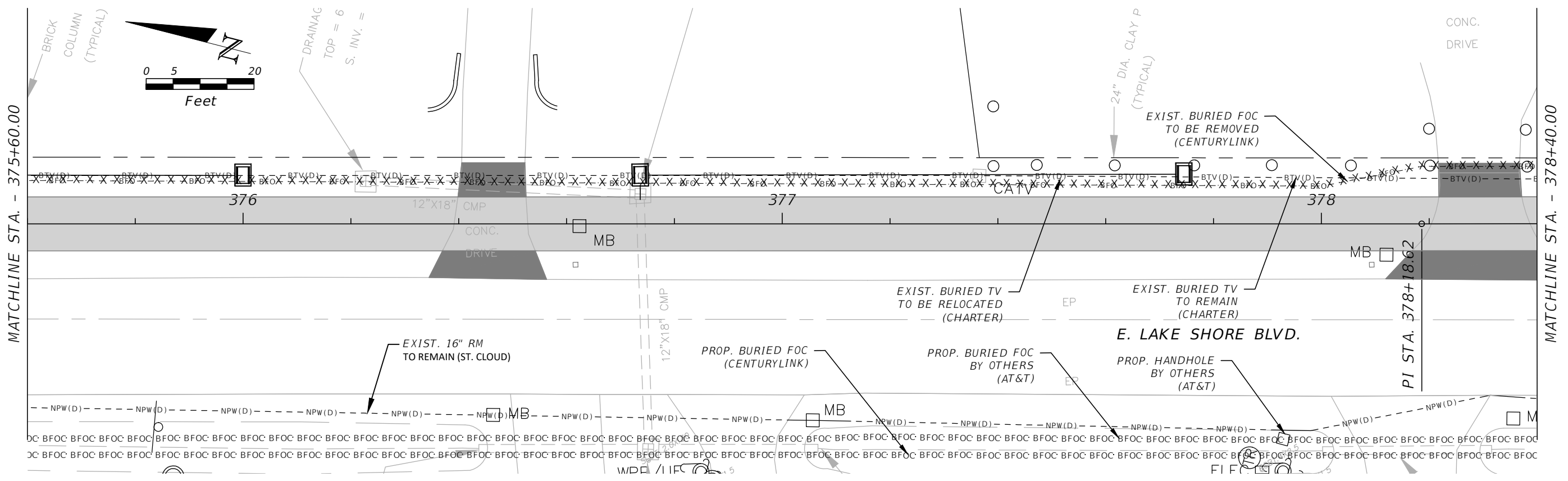
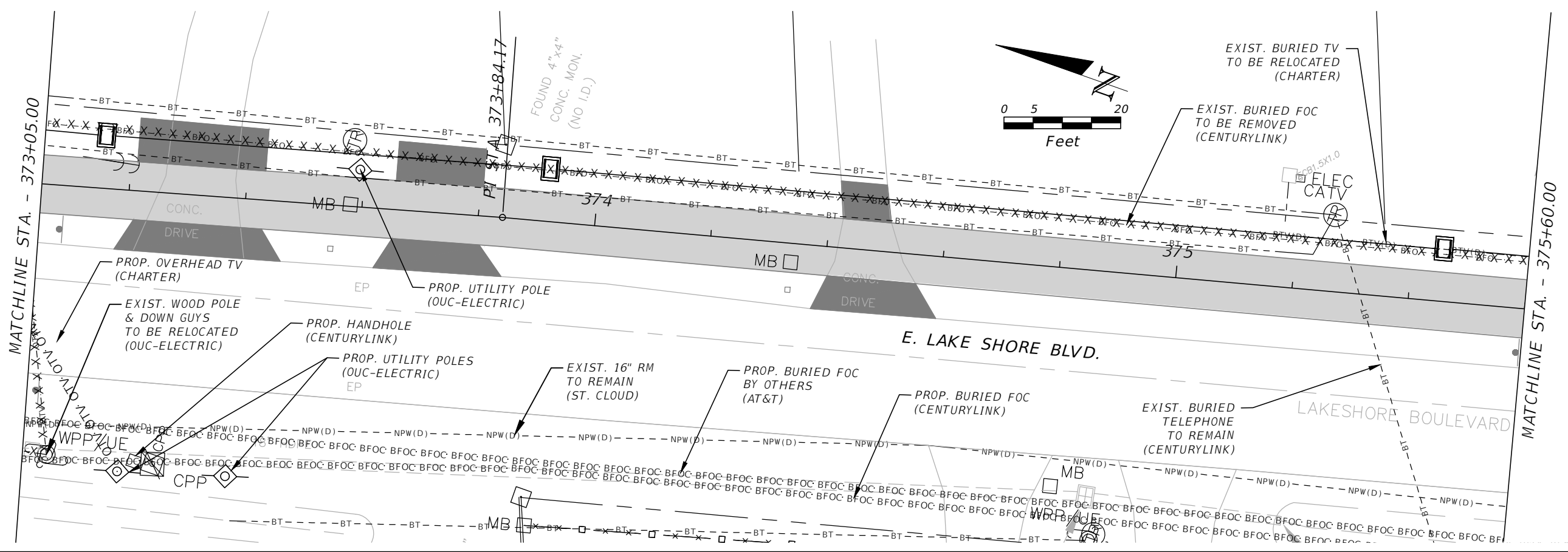


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**E. LAKESHORE (NORTH) UTILITY
 ADJUSTMENT 13**

SHEET
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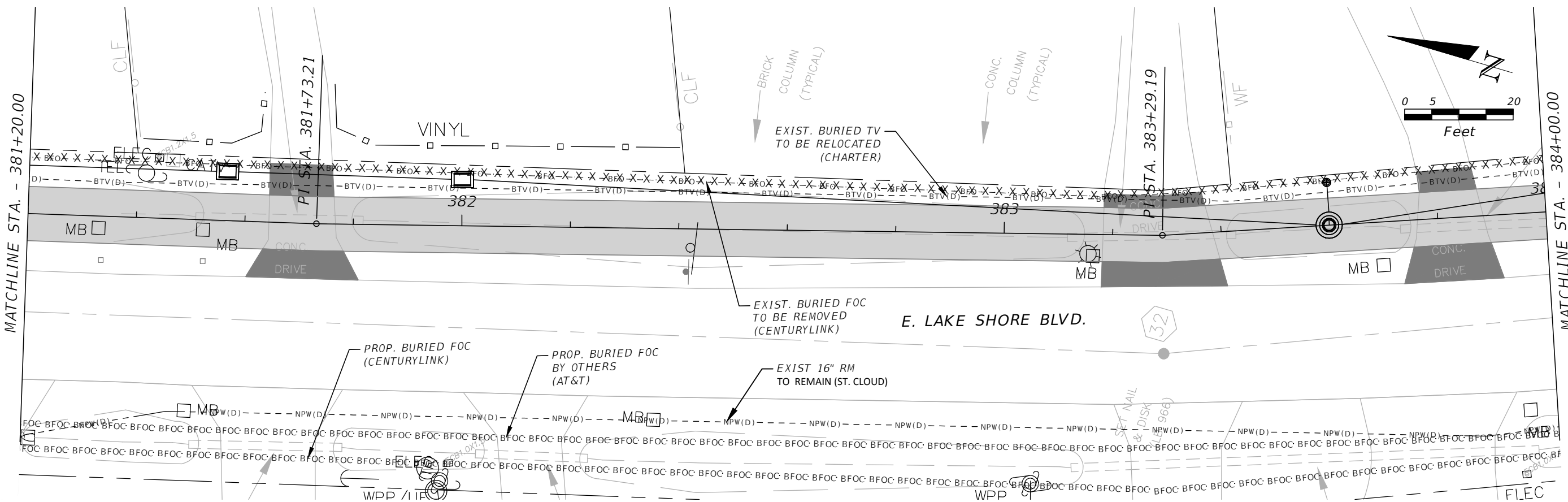
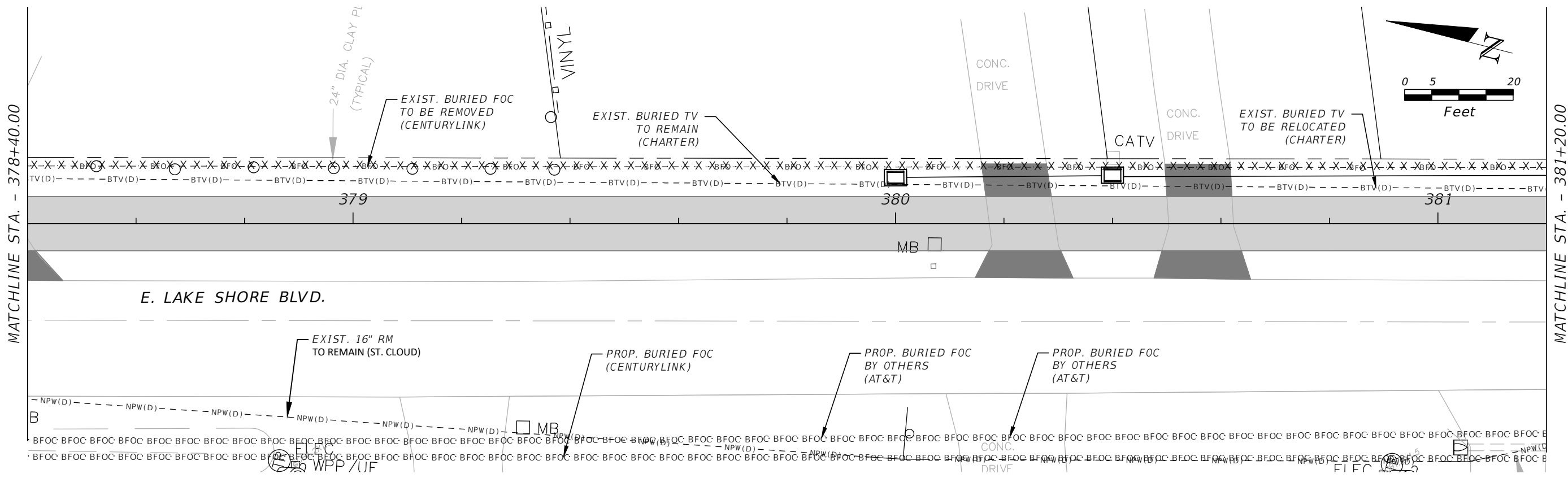


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**E. LAKESHORE (NORTH) UTILITY
 ADJUSTMENT 14**

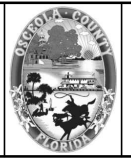
SHEET NO.
 UT-44

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PE # 63437

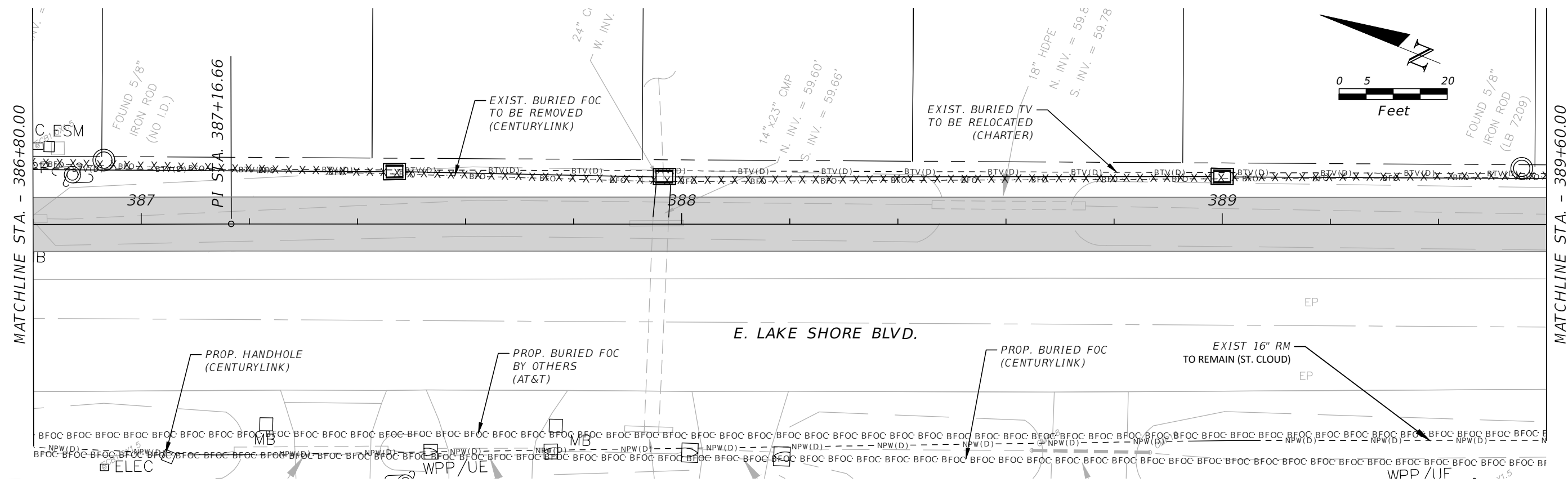
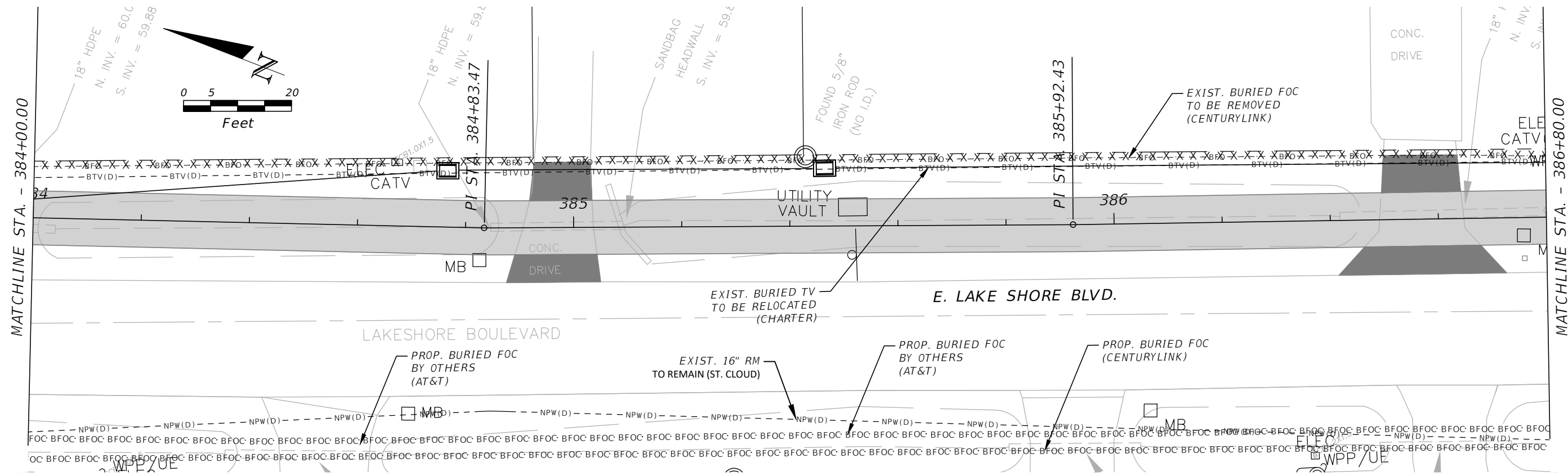


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**E. LAKESHORE (NORTH) UTILITY
ADJUSTMENT 15**

SHEET NO.
UT-45

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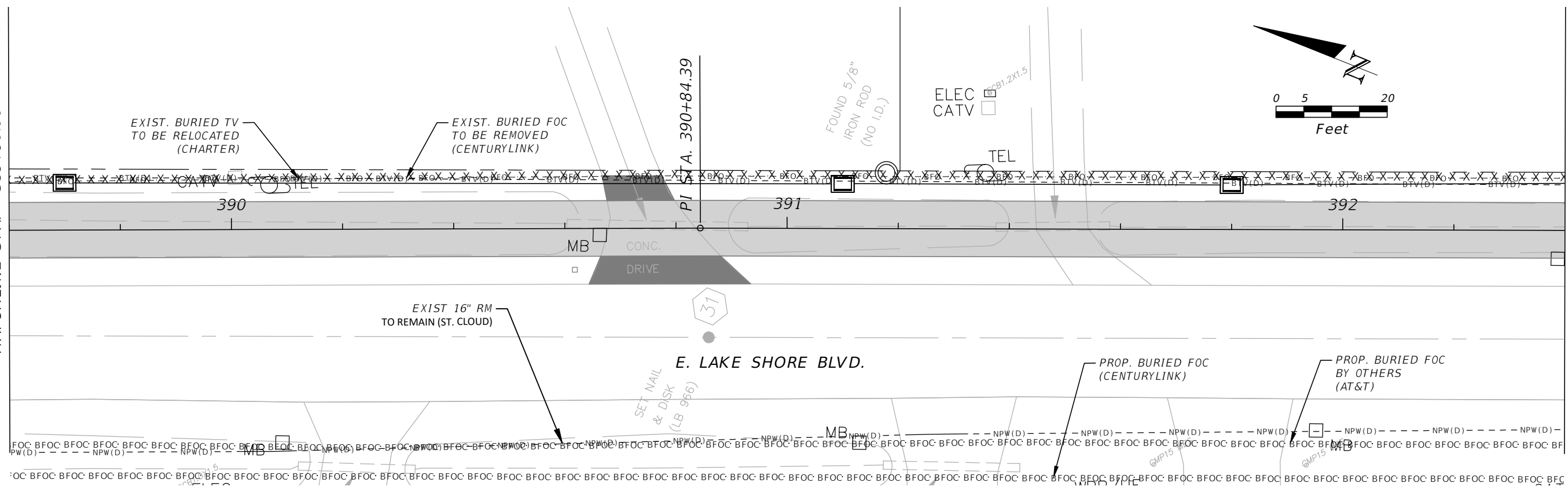
**E. LAKESHORE (NORTH) UTILITY
 ADJUSTMENT 16**

SHEET NO.
UT-46

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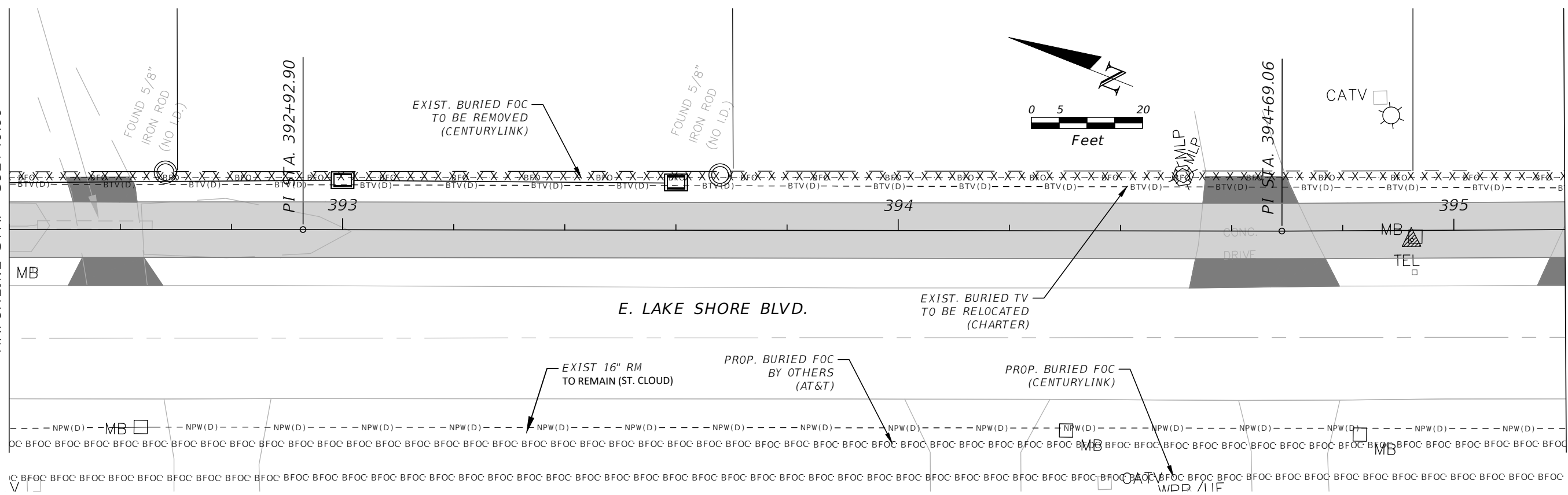
MATCHLINE STA. - 389+60.00

MATCHLINE STA. - 392+40.00



MATCHLINE STA. - 392+40.00

MATCHLINE STA. - 395+20.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

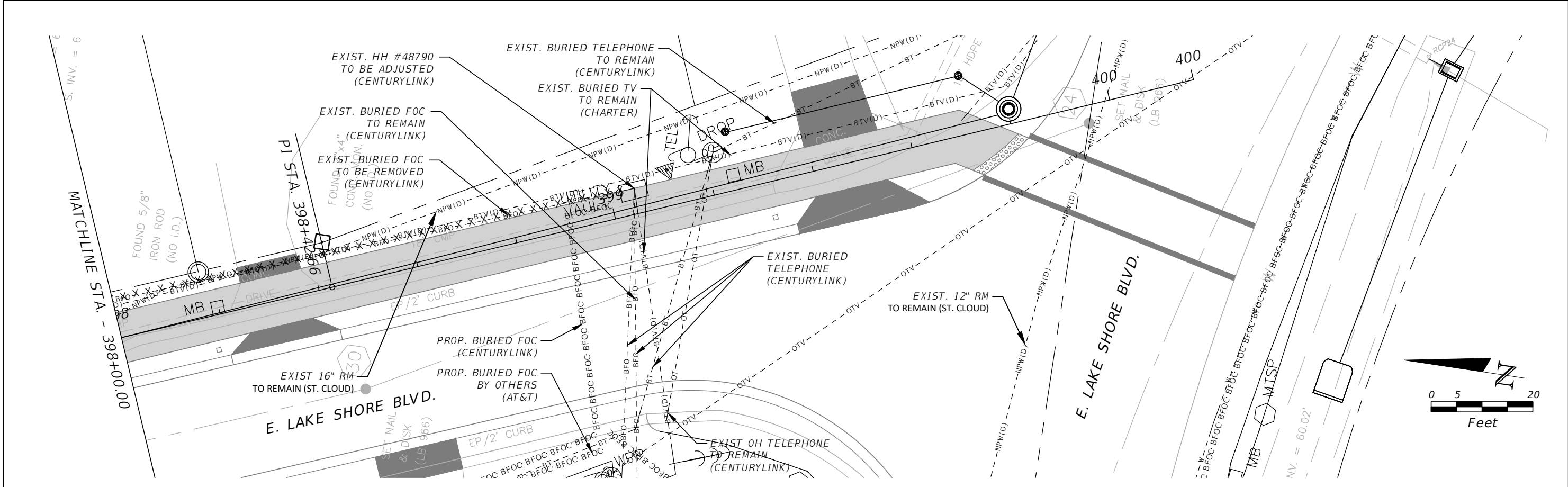
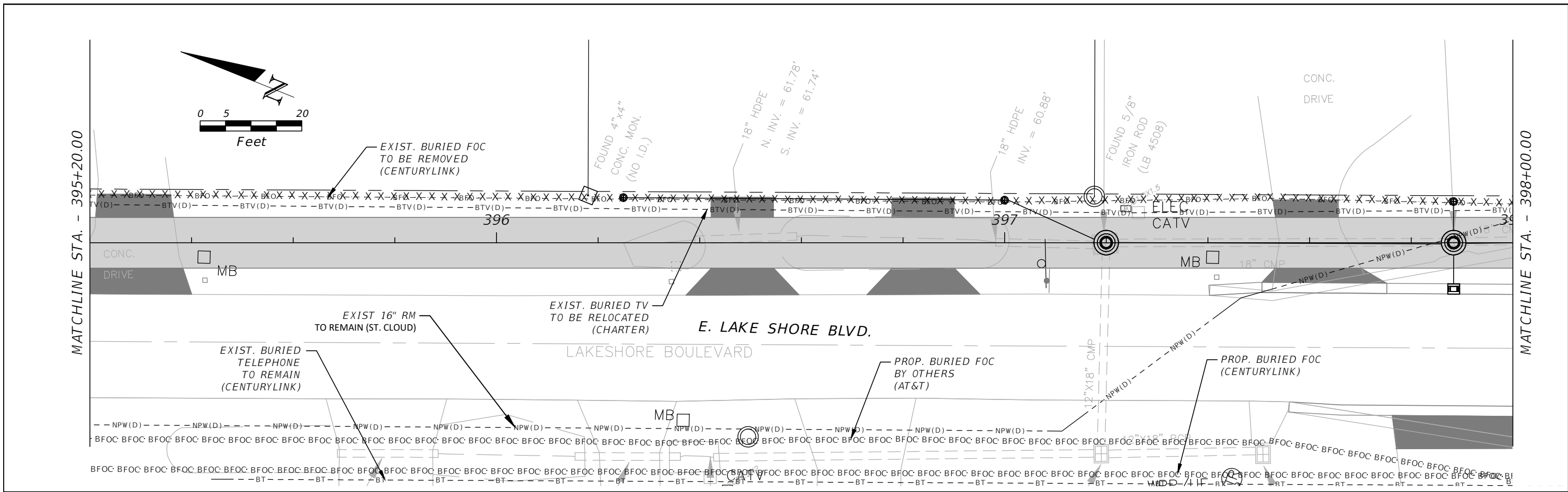


OSCEOLA COUNTY
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**E. LAKESHORE (NORTH) UTILITY
ADJUSTMENT 17**

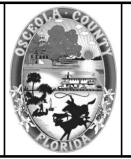
SHEET NO.
UT-47

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 PE # 63437

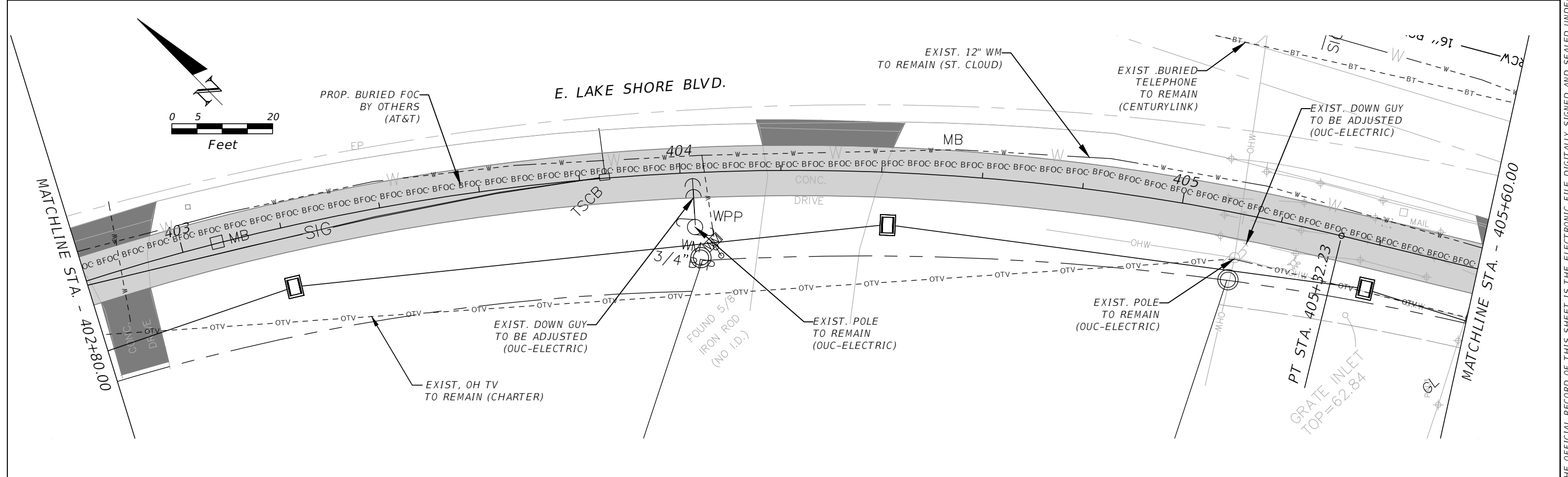
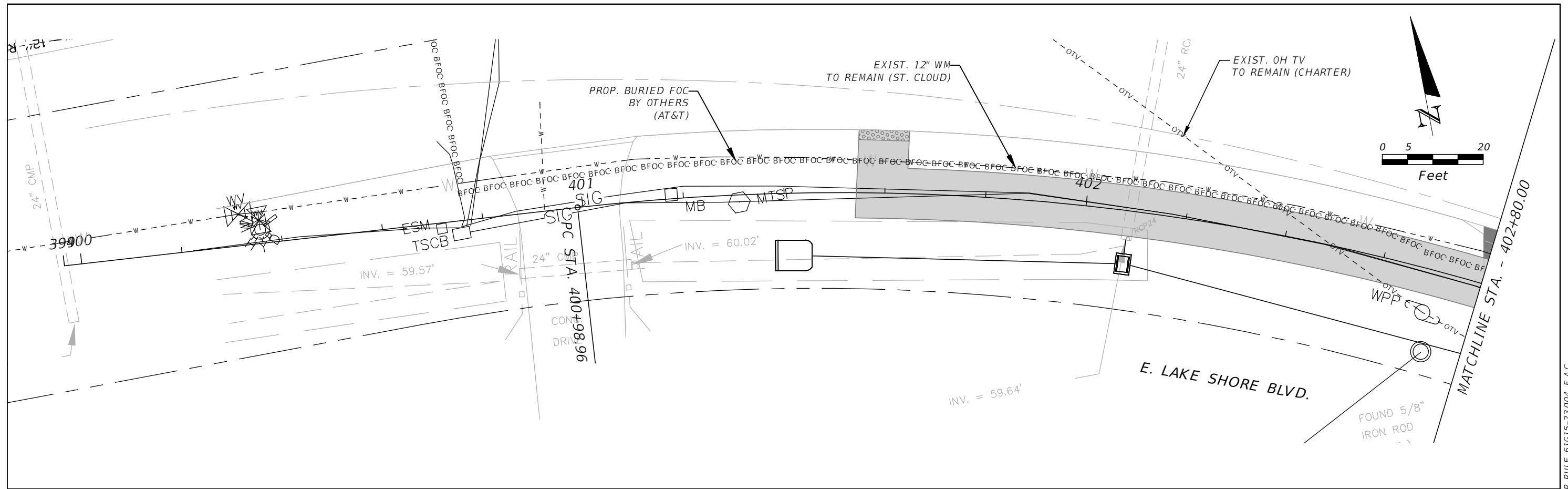


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**E. LAKESHORE (NORTH) UTILITY
 ADJUSTMENT 18**

SHEET
 NO.
UT-48

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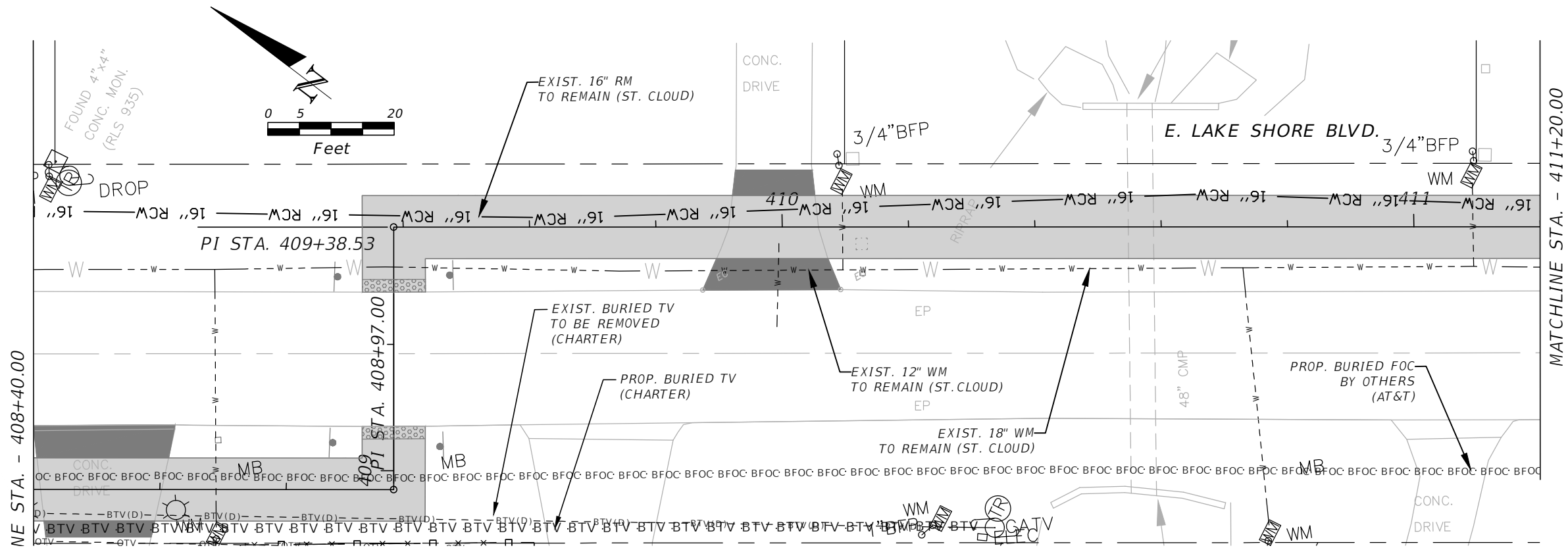
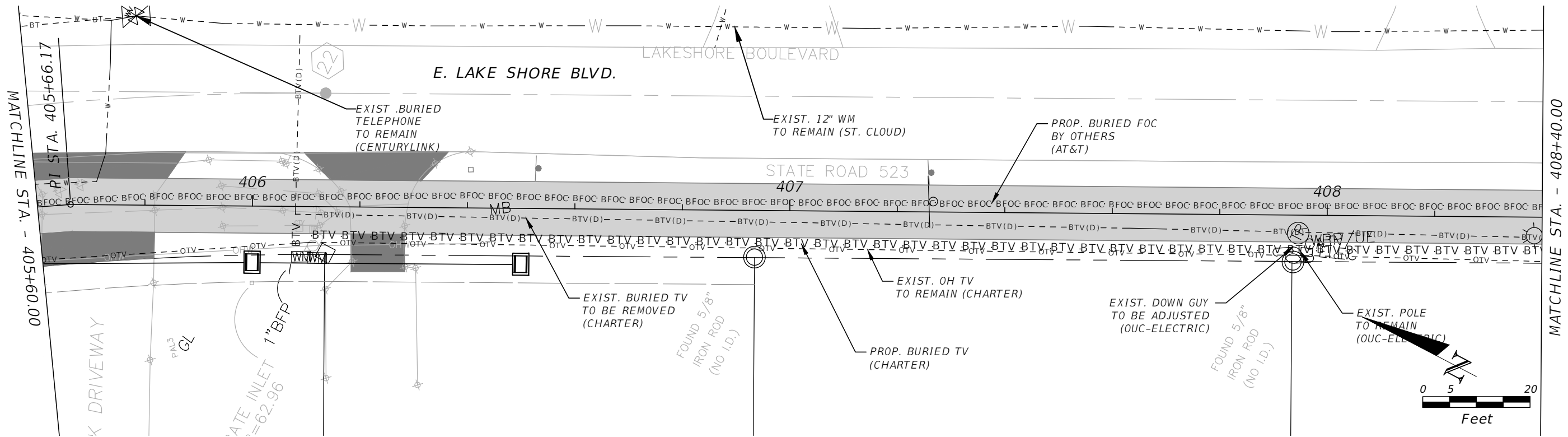
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Mark F. Bertoncini, P.E.
PE # 63437

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**E. LAKESHORE (SOUTH) UTILITY
ADJUSTMENT 1**

SHEET NO.
UT-49

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 PE # 63437

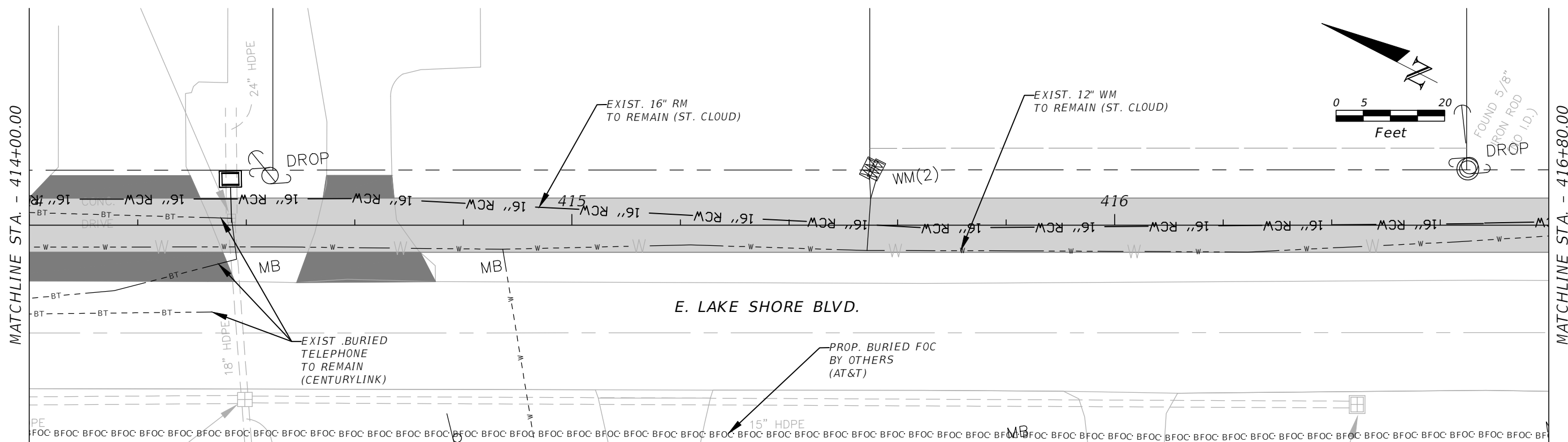
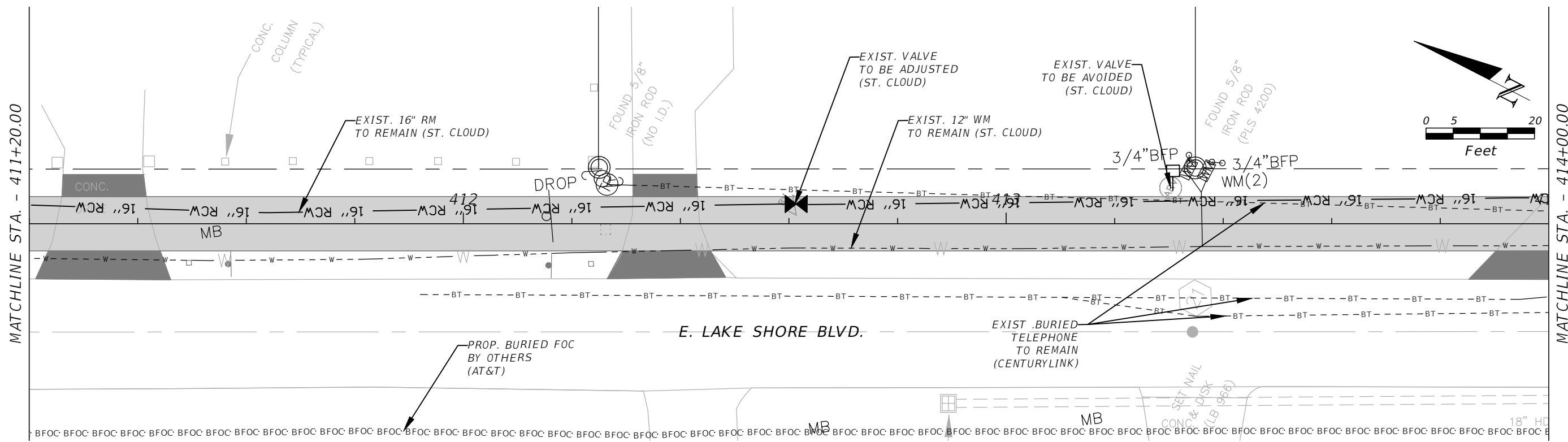


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E. LAKESHORE (SOUTH) UTILITY
 ADJUSTMENT 2

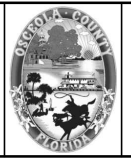
SHEET NO.
 UT-50

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 PE # 63437

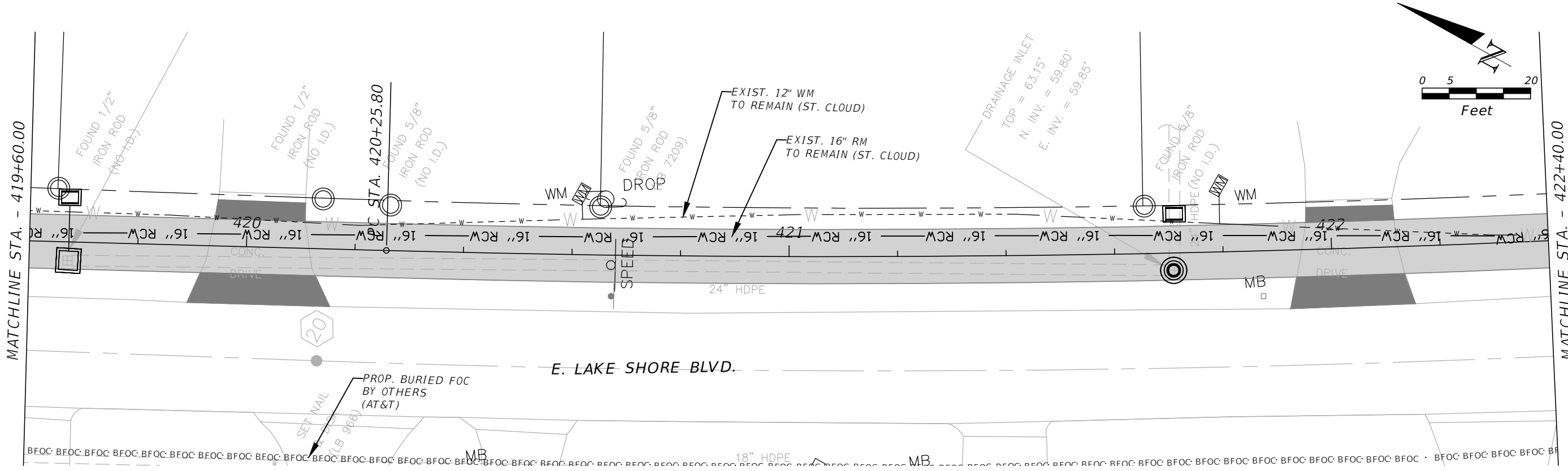
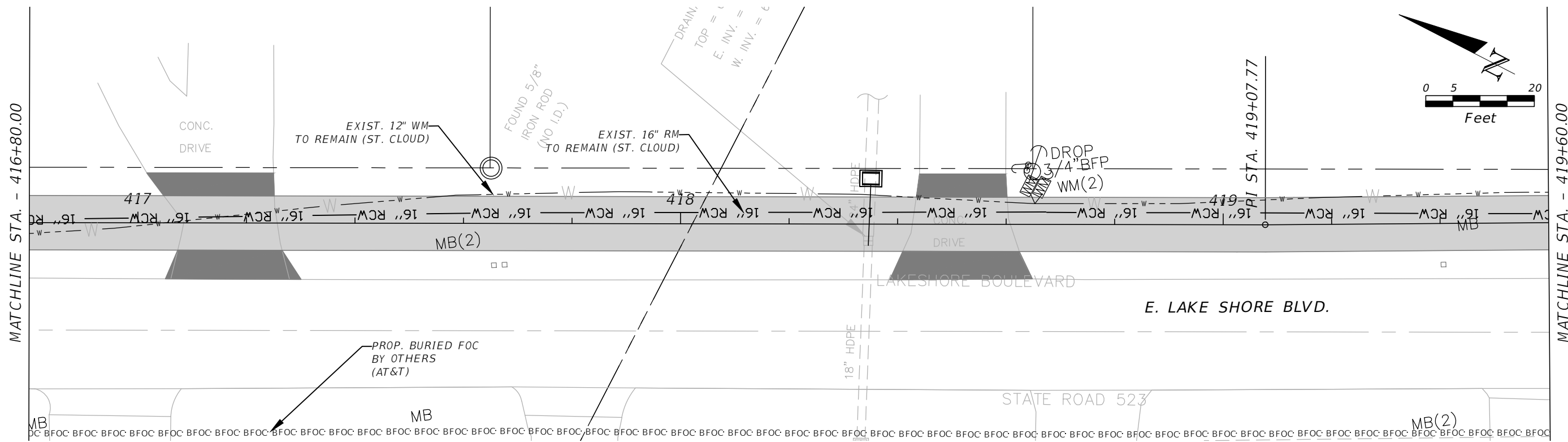


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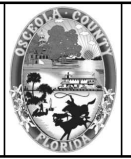
**E. LAKESHORE (SOUTH) UTILITY
 ADJUSTMENT 3**

SHEET
 NO.
UT-51

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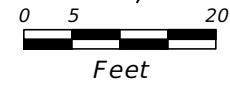
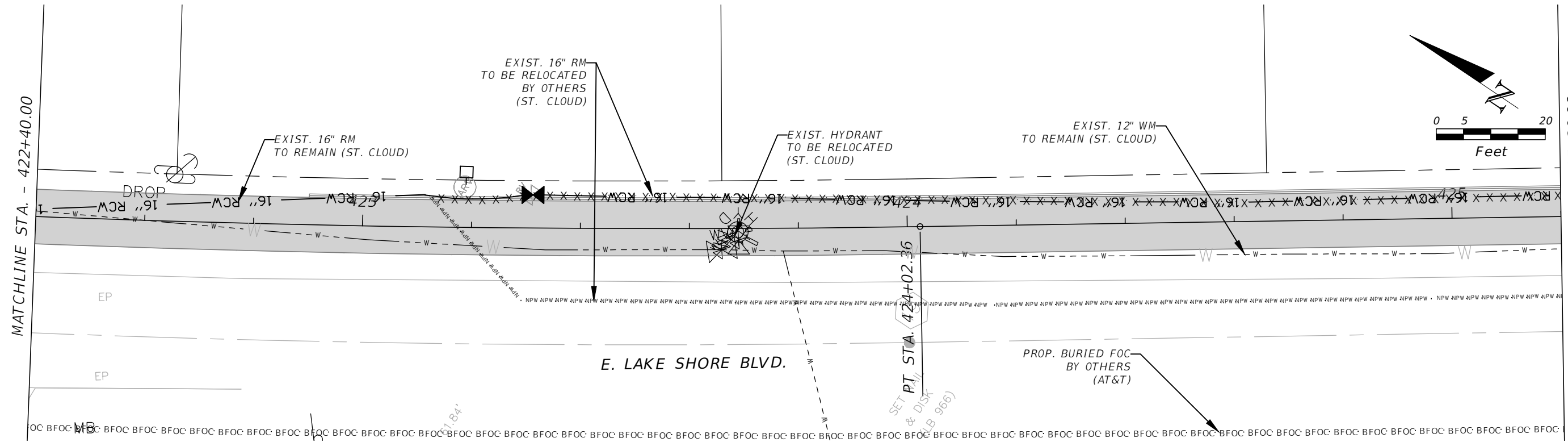
E. LAKESHORE (SOUTH) UTILITY
ADJUSTMENT 4

SHEET NO.
UT-52

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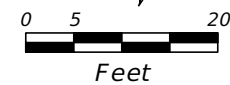
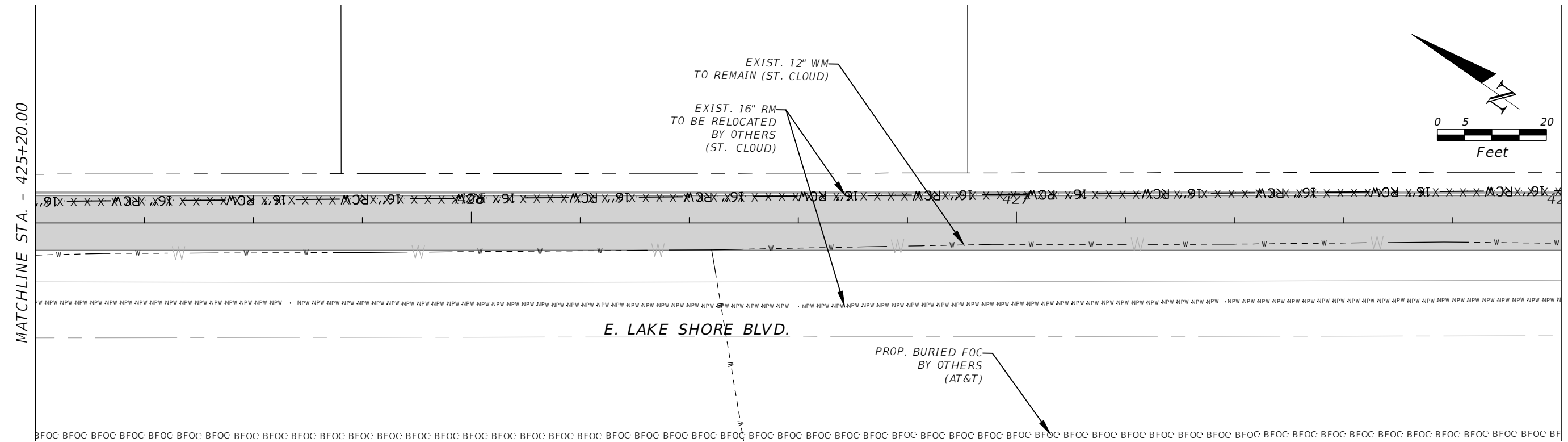
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MATCHLINE STA. - 425+20.00

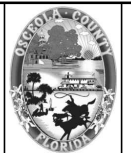


MATCHLINE STA. - 425+20.00

MATCHLINE STA. - 428+00.00



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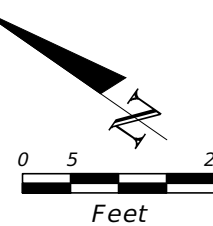
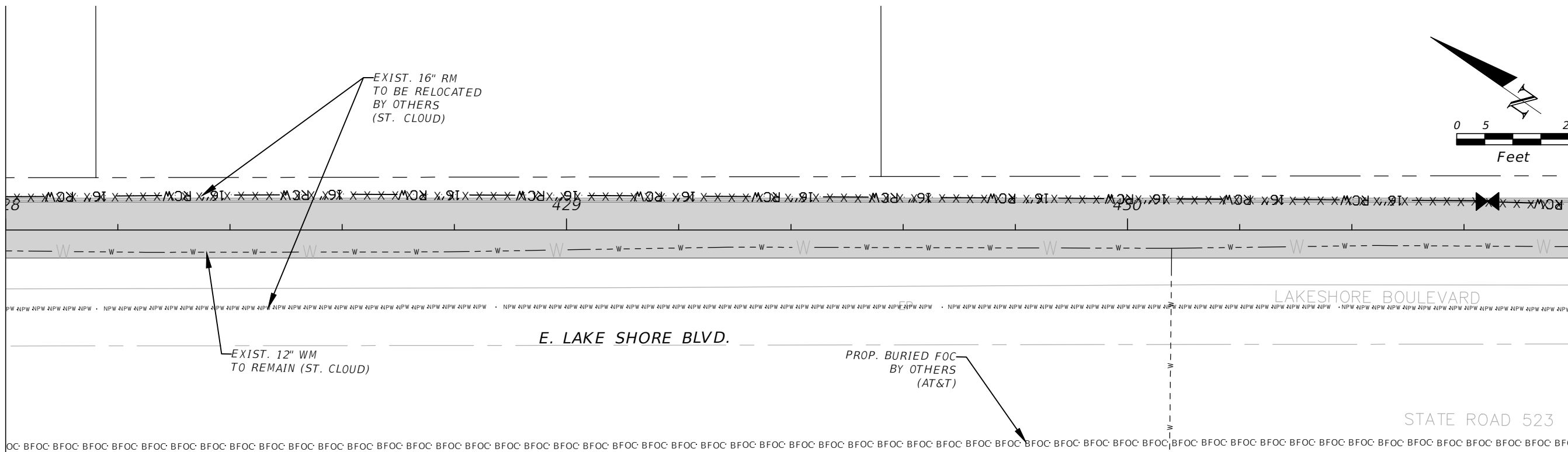
*E. LAKESHORE (SOUTH) UTILITY
ADJUSTMENT 5*

SHEET NO.
UT-53

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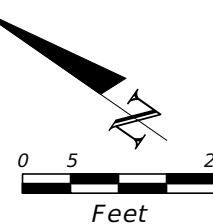
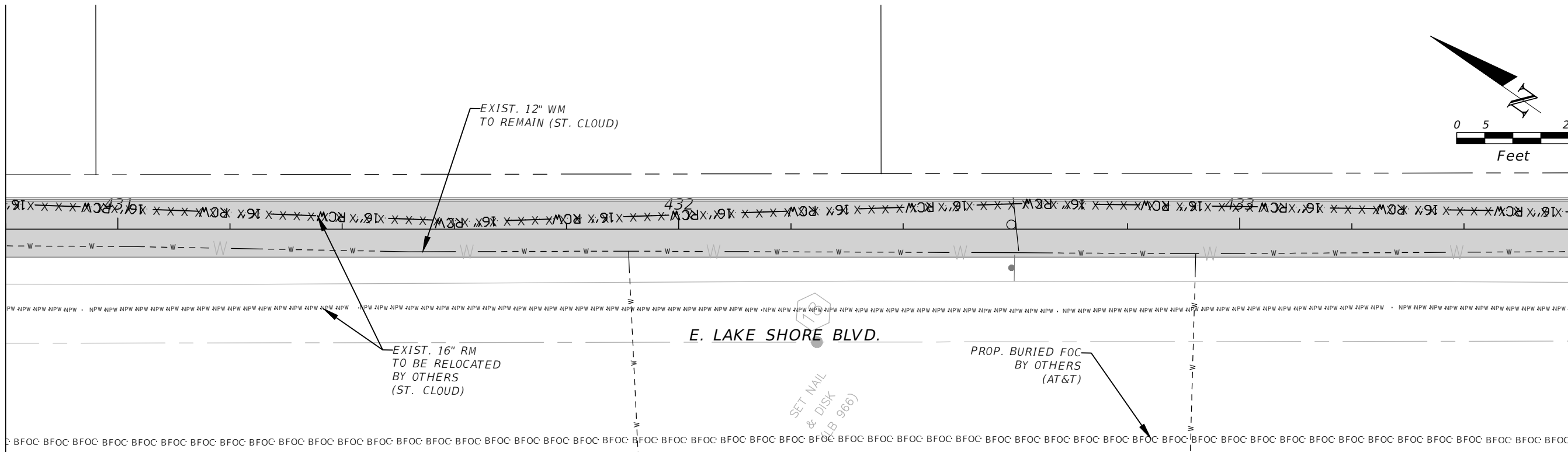
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MATCHLINE STA. - 430+80.00

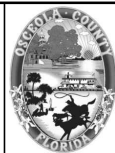


MATCHLINE STA. - 430+80.00

MATCHLINE STA. - 433+60.00



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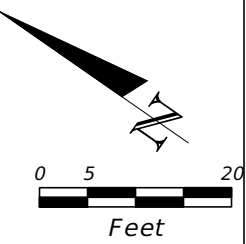
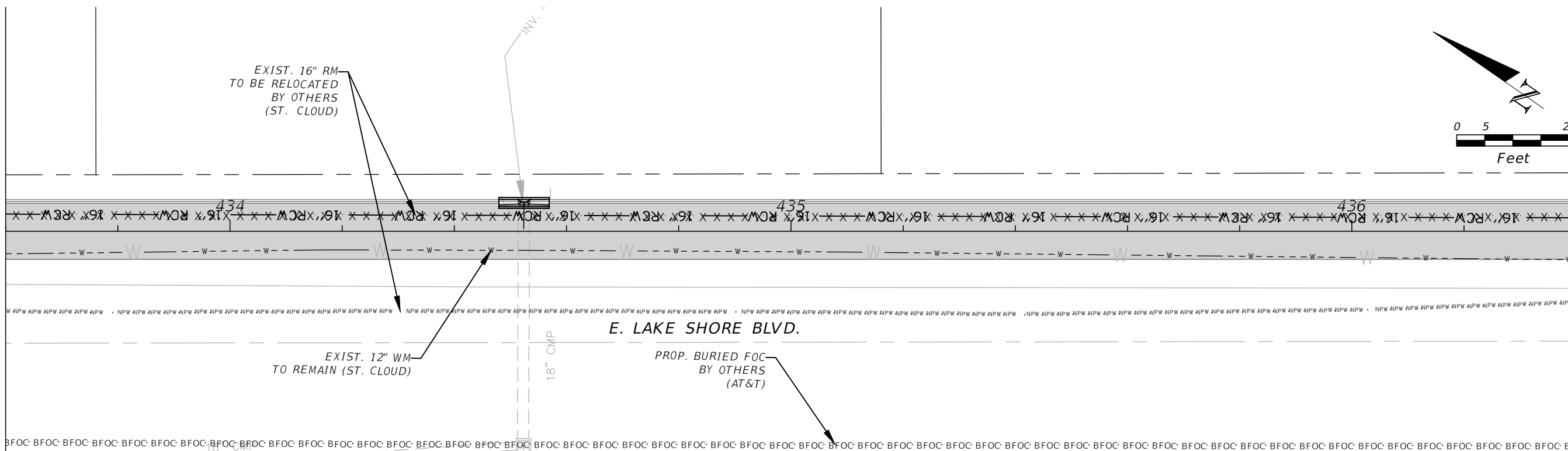
*E. LAKESHORE (SOUTH) UTILITY
ADJUSTMENT 6*

SHEET NO.
UT-54

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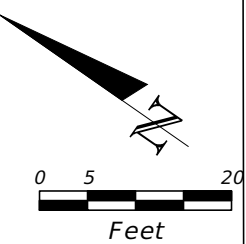
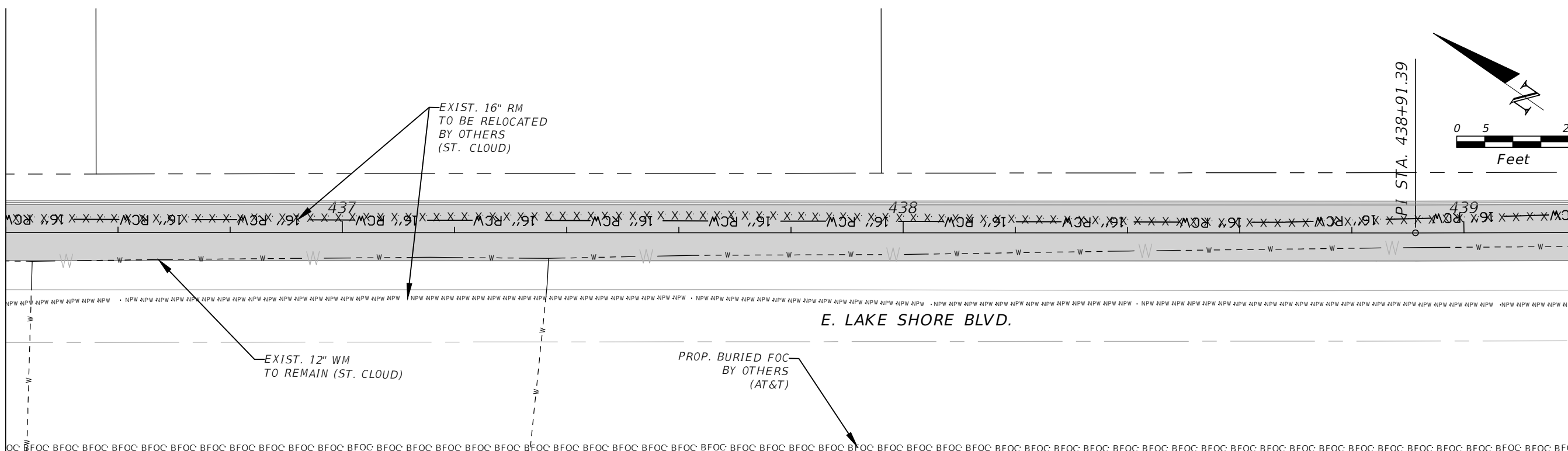
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MATCHLINE STA. - 436+40.00



MATCHLINE STA. - 436+40.00

MATCHLINE STA. - 439+20.00



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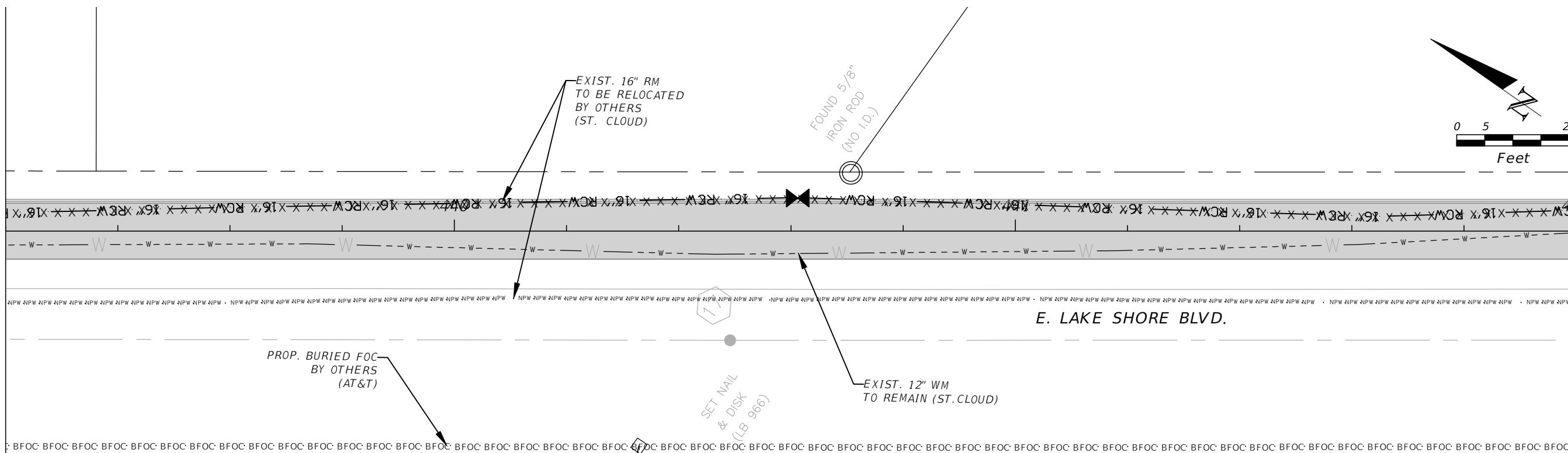
*E. LAKESHORE (SOUTH) UTILITY
ADJUSTMENT 7*

SHEET NO.
UT-55

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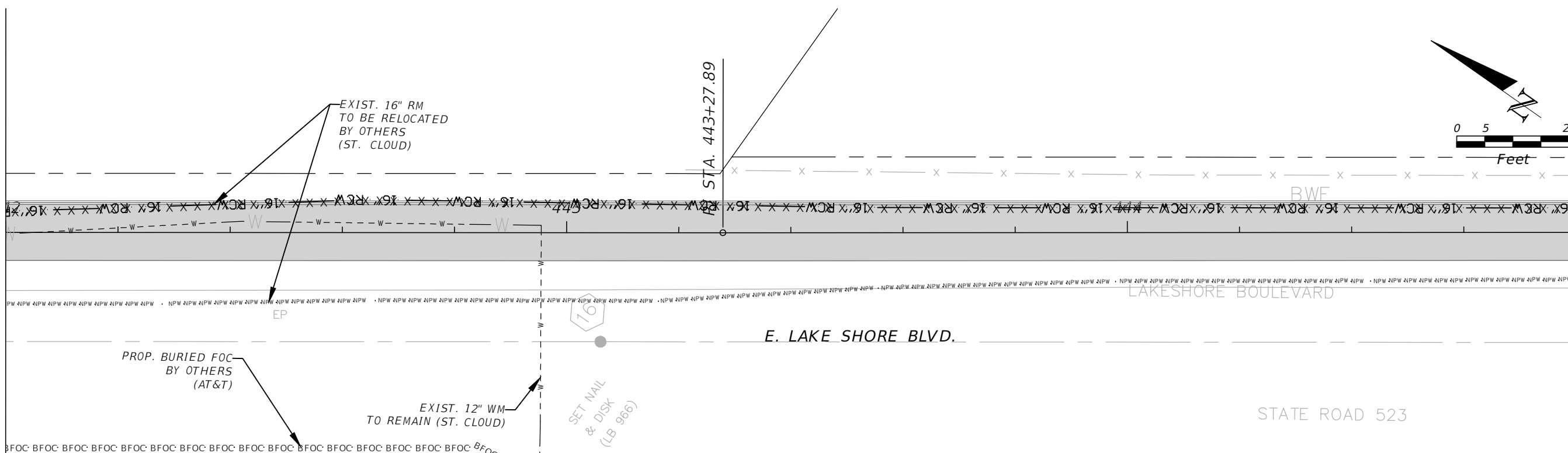
MATCHLINE STA. - 439+20.00

MATCHLINE STA. - 442+00.00



MATCHLINE STA. - 442+00.00

MATCHLINE STA. - 444+80.00



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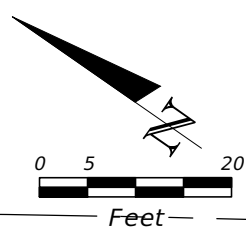
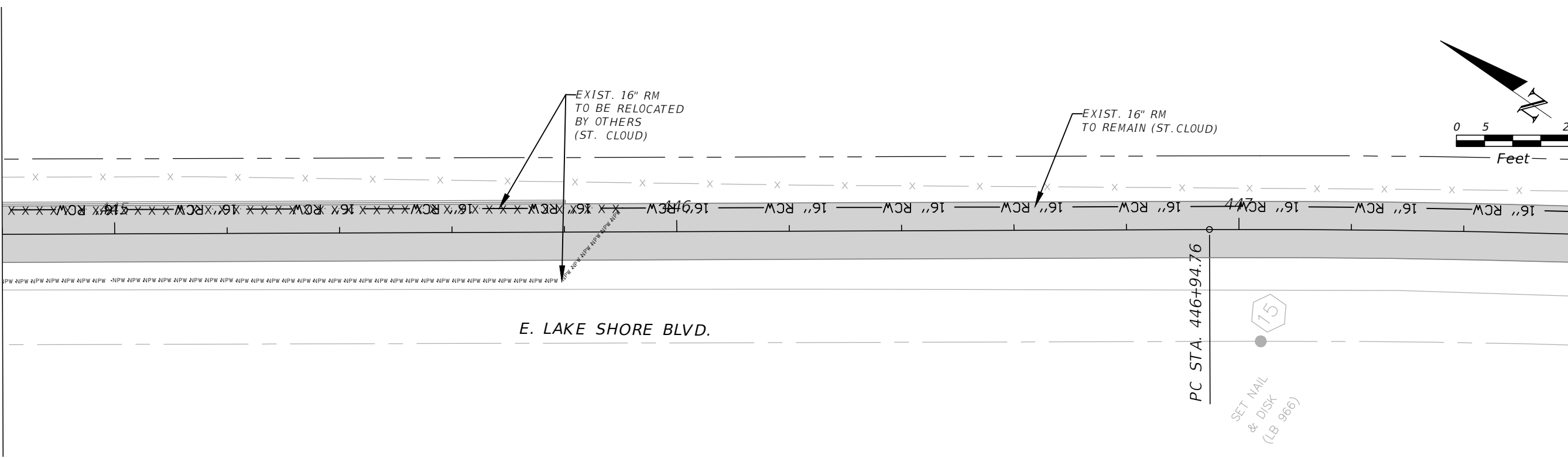
OSCEOLA COUNTY
FLORIDA

*E. LAKESHORE (SOUTH) UTILITY
ADJUSTMENT 8*

SHEET NO.
UT-56

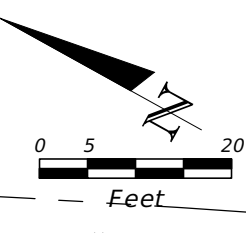
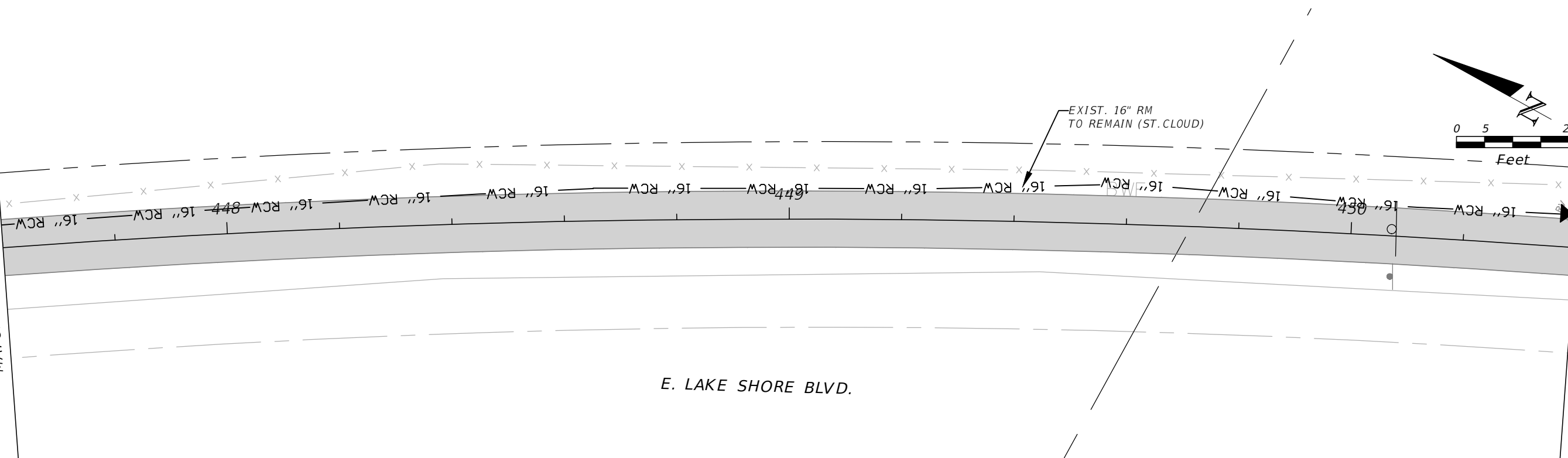
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MATCHLINE STA. - 444+80.00



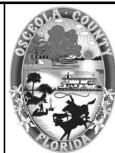
MATCHLINE STA. - 447+60.00

MATCHLINE STA. - 447+60.00



MATCHLINE STA. - 450+40.00

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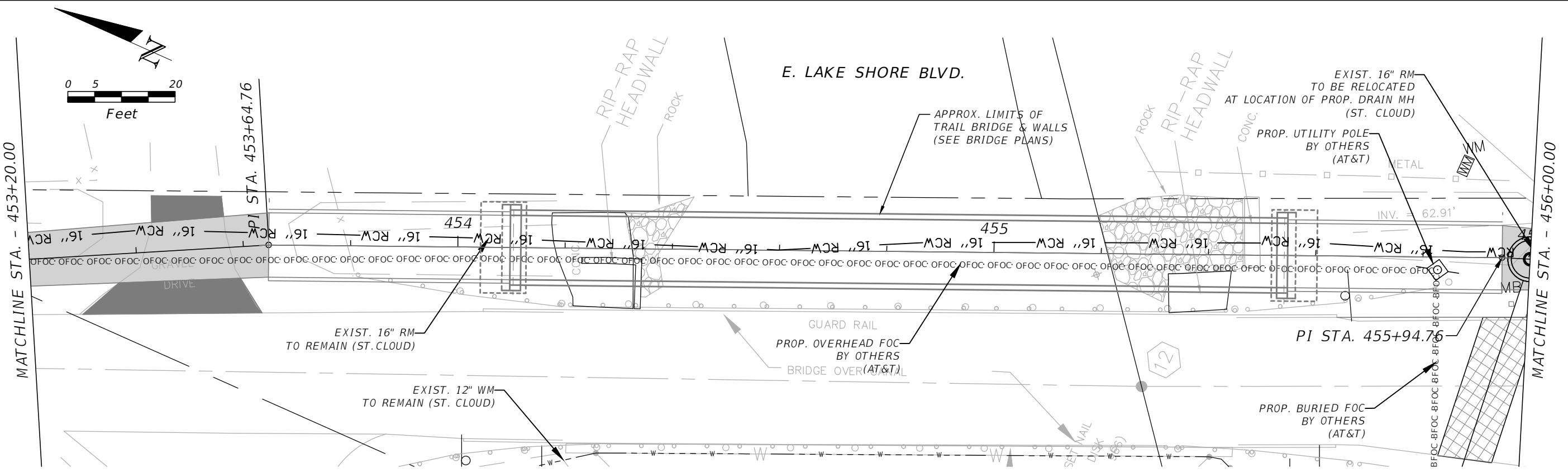
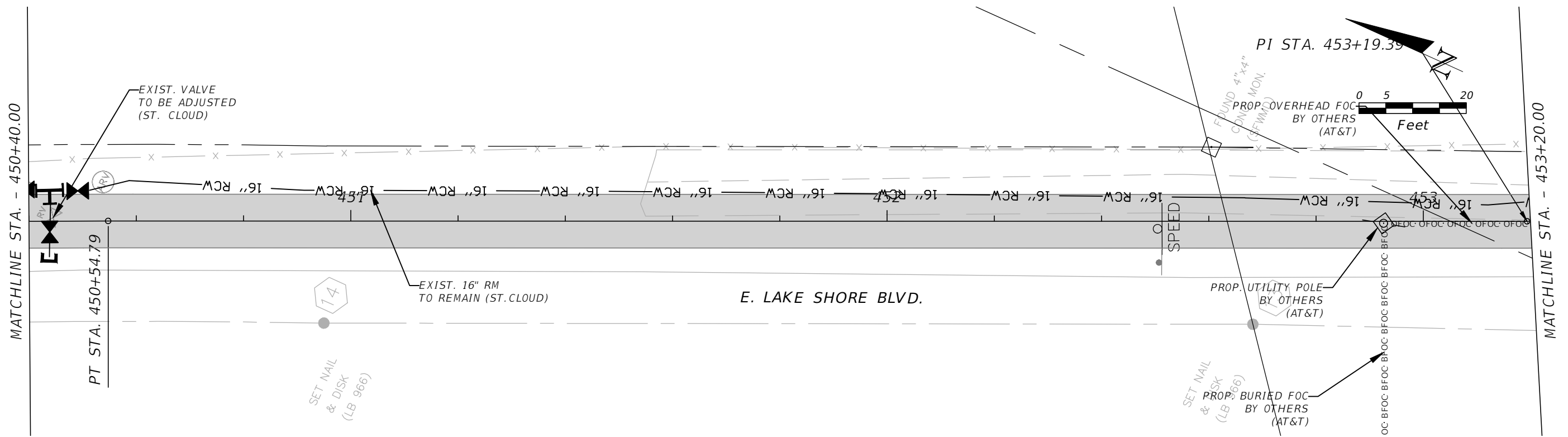


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**E. LAKESHORE (SOUTH) UTILITY
ADJUSTMENT 9**

SHEET NO.
UT-57

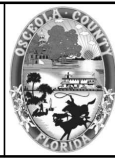
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Mark F. Bertoncini, P.E.
PE # 63437

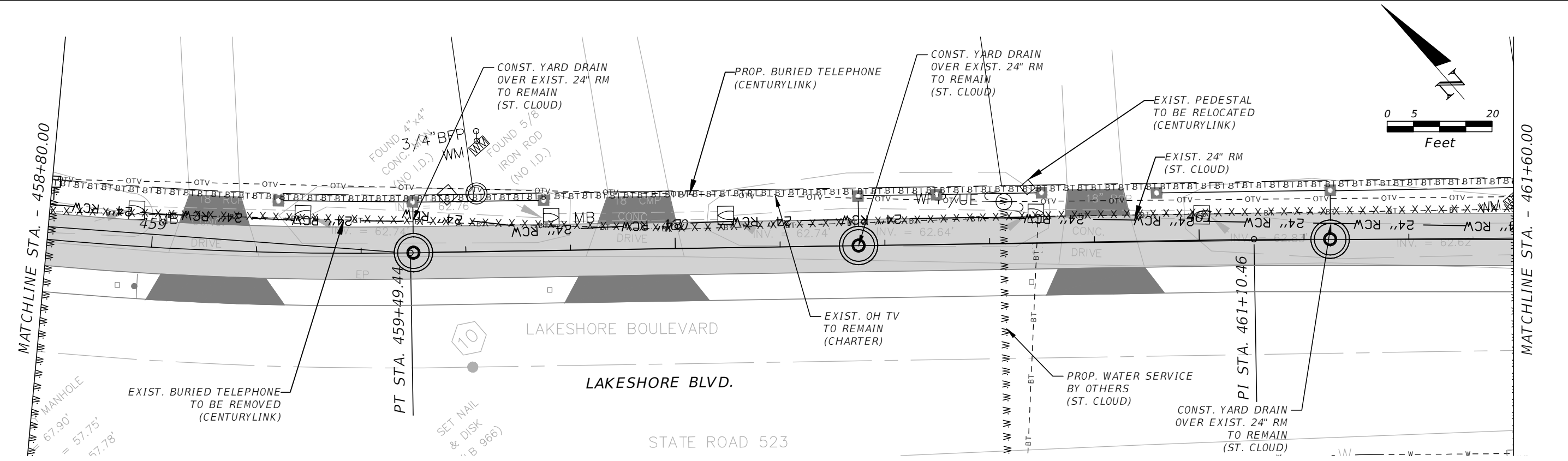
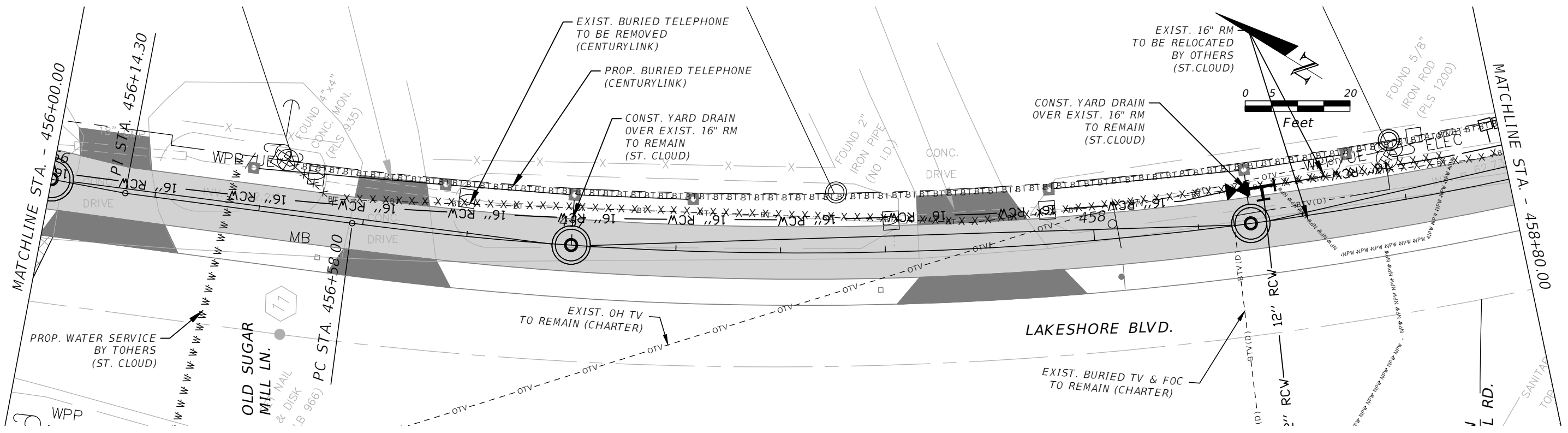


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**E. LAKESHORE (SOUTH) UTILITY
ADJUSTMENT 10**

SHEET
NO.
UT-58

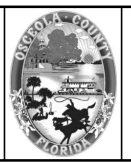
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Planners | Designers
225 E. Robinson Street, Suite 300
Orlando, FL 32801 (407)839-4006
Certificate of Authorization # 3932
Mark F. Bertoncini, P.E.
PE # 63437

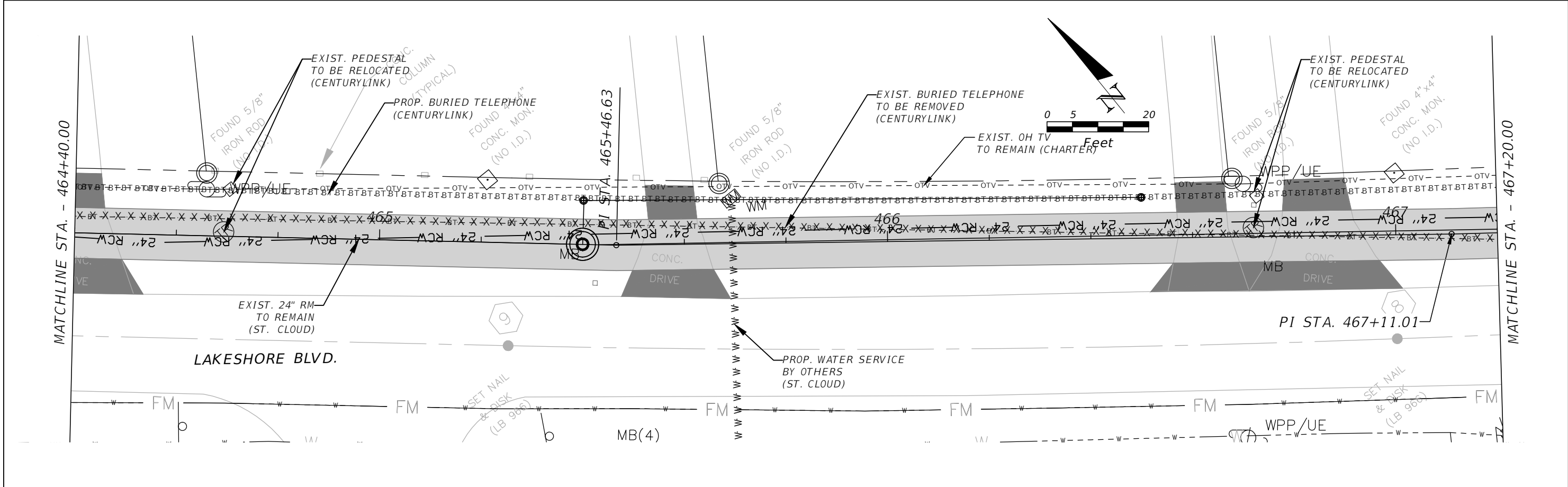
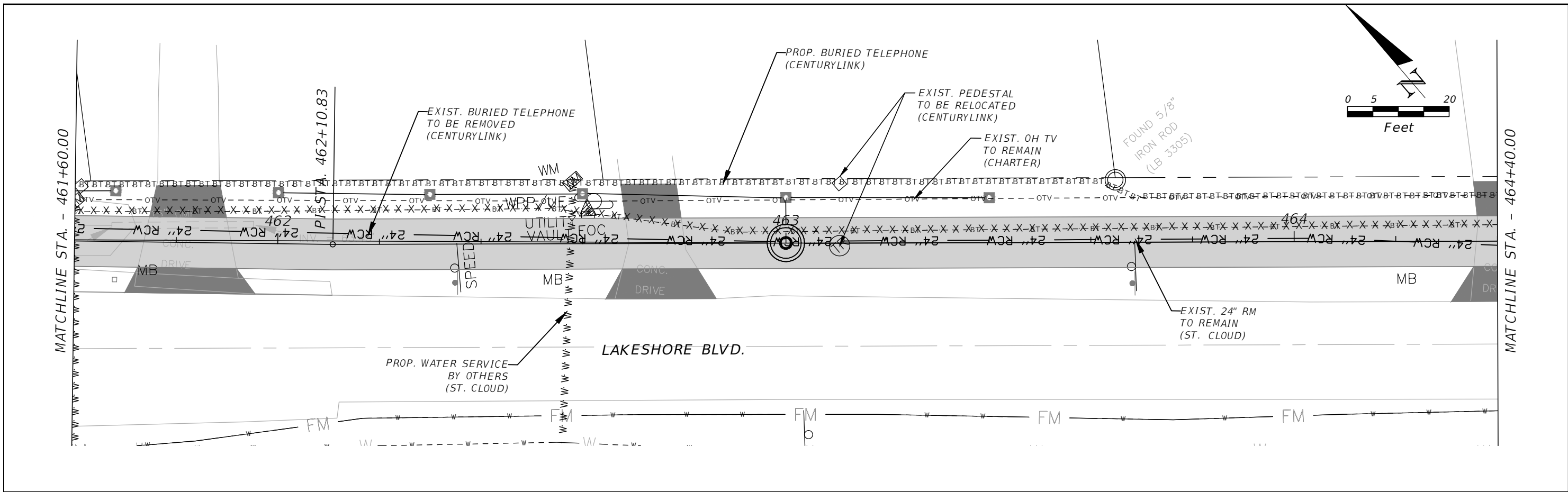


OSCEOLA COUNTY
FLORIDA

**E. LAKESHORE (SOUTH) UTILITY
ADJUSTMENT 11**

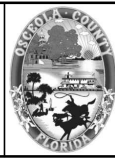
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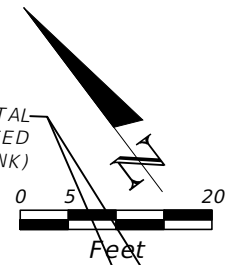
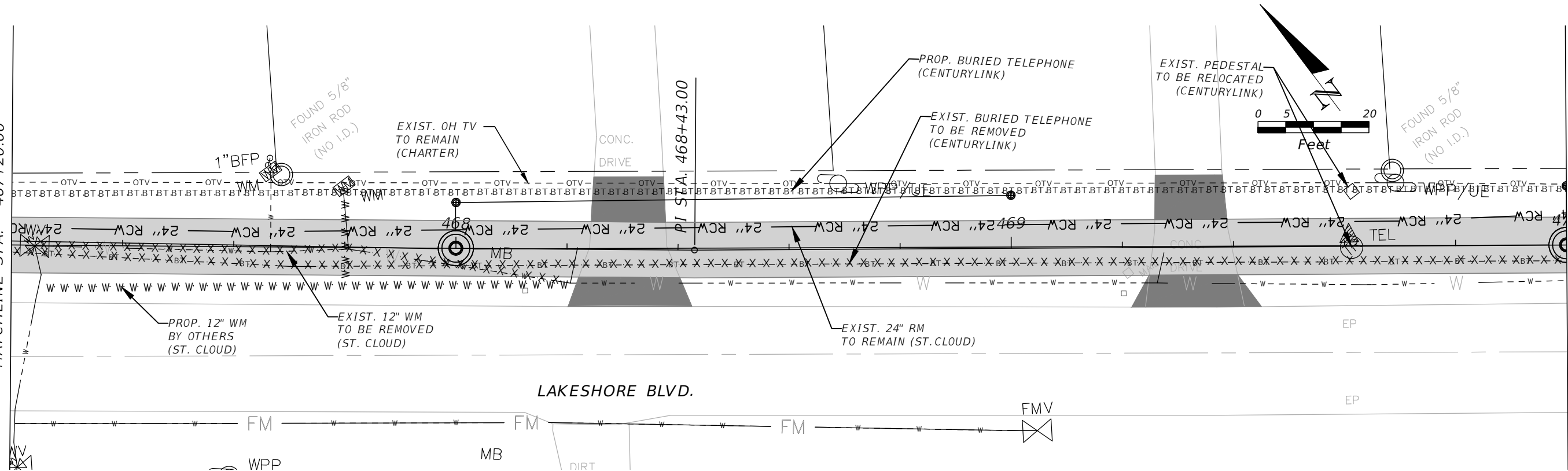
**E. LAKESHORE (SOUTH) UTILITY
 ADJUSTMENT 12**

SHEET
 NO.
UT-60

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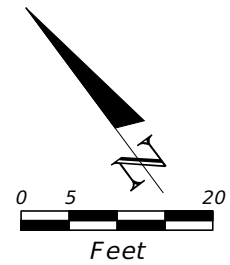
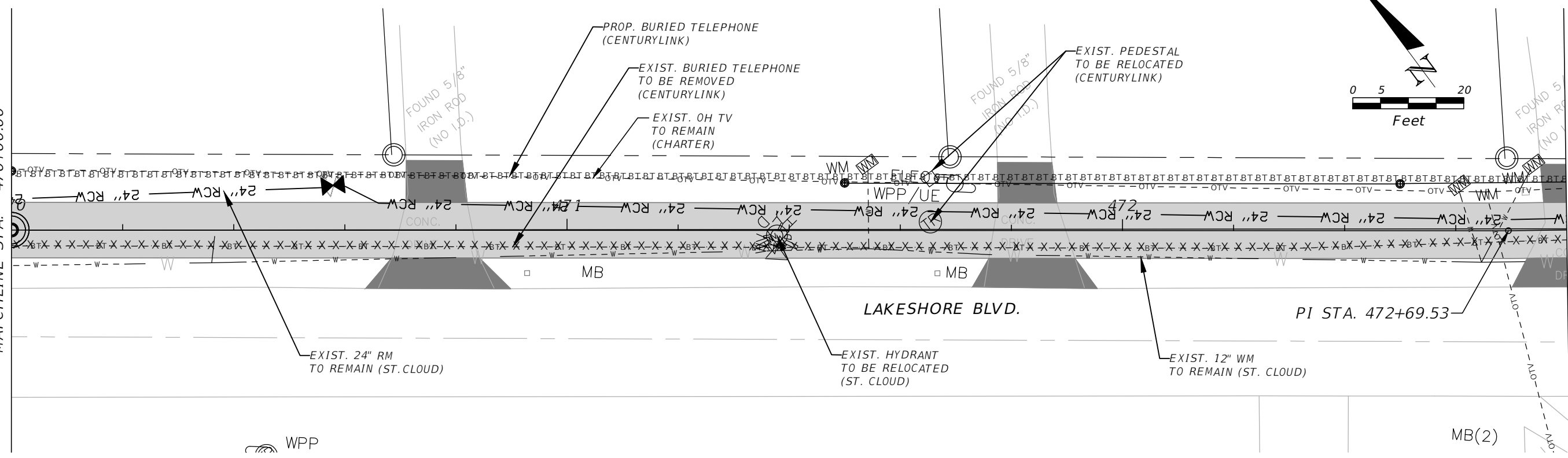
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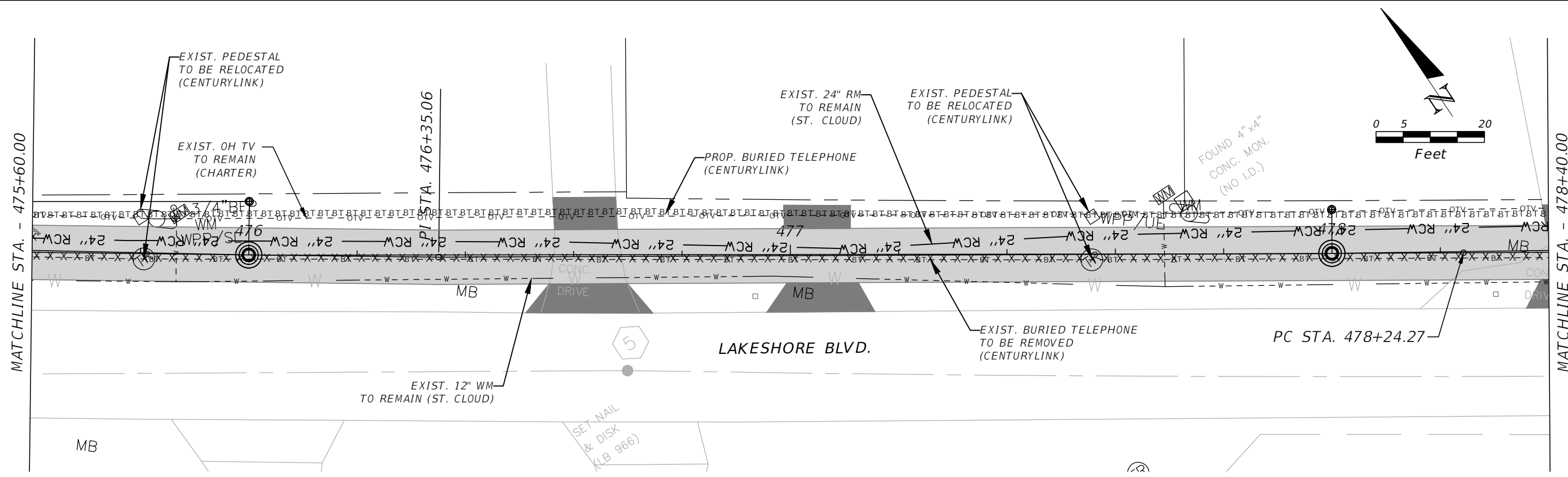
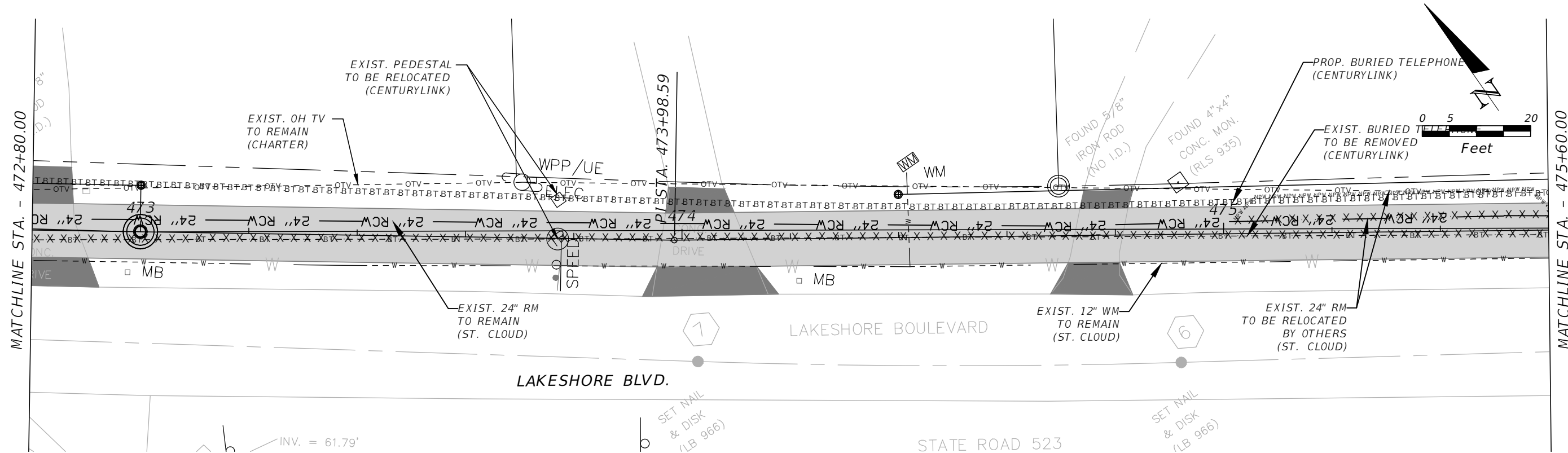


OSCEOLA COUNTY
FLORIDA

E. LAKESHORE (SOUTH) UTILITY
ADJUSTMENT 13

SHEET NO.
UT-61

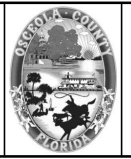
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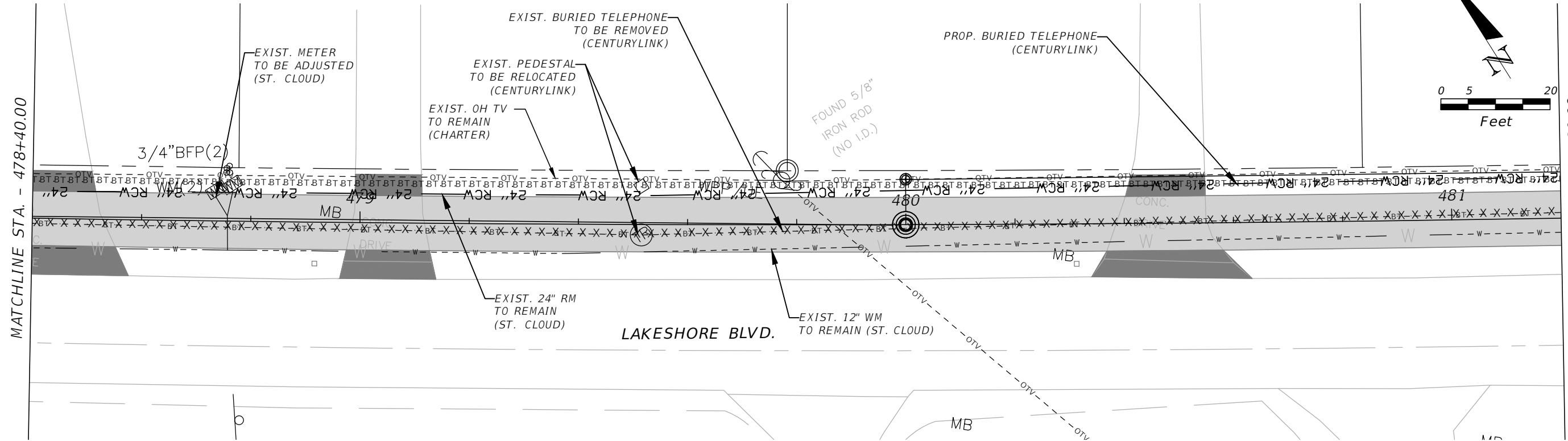
E. LAKESHORE (SOUTH) UTILITY
ADJUSTMENT 14

SHEET NO.
UT-62

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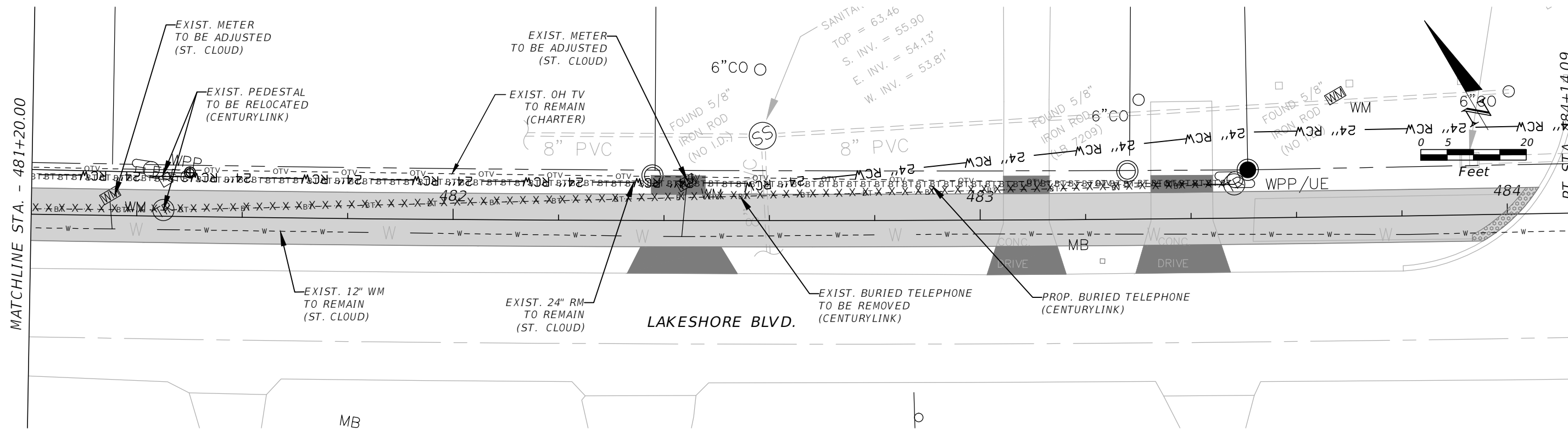
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MATCHLINE STA. - 481+20.00



MATCHLINE STA. - 481+20.00

PT STA. 484+14.09



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FLORIDA

E. LAKESHORE (SOUTH) UTILITY
ADJUSTMENT 15

SHEET NO.
UT-63



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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS										TOTAL THIS SHEET		GRAND TOTAL	
			T-3										PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
630-2-11	CONDUIT (F&I) (OPEN TRENCH) UNDERGROUND	LF	42									42		42		
630-2-12	CONDUIT (F&I) (DIRECTIONAL BORE) UNDERGROUND OR UNDER PAVEMENT	LF	95									95		95		
632-7-1	SIGNAL CABLE (F&I)	PI	1									1		1		
635-2-11	PULL & SPLICE BOX (F&I) (13X24)	EA	2									2		2		
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	2									2		2		
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNTDOWN, 1 WAY	AS	2									2		2		
665-1-11	PEDESTRIAN DETECTOR (F&I) (STANDARD)	EA	2									2		2		
670-5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	1									1		1		

NOTE: PAY ITEM 670-5-400 SHALL INCLUDE ALL WORK NECESSARY TO CONNECT THE PROPOSED PEDESTRIAN SIGNAL CABLE BACK TO THE EXISTING CONTROLLER AND MODIFY THE SOP AND SIGNAL TIMING AS SHOWN HEREIN.

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REVISIONS				 Engineers Scientists Planners Designers 225 E. Robinson Street, Suite 300 Orlando, FL 32801 (407)839-4006 Certificate of Authorization # 3932 Jennifer M. DiStefano, P.E. PE # 81844	 OSCEOLA COUNTY FLORIDA	SIGNAL TABULATION OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				T-1

SURVEY

1. THERE MAY BE ADDITIONAL EASEMENTS, RIGHTS-OF-WAY, OR OTHER RESTRICTIONS THAT ARE NOT SHOWN ON THIS SURVEY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF OSCEOLA COUNTY.

UTILITIES

1. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS IS BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF OTHER UTILITIES (NOT SHOWN IN THE PLANS) EXIST WITHIN THE AREA OF CONSTRUCTION. SHOULD THERE BE OTHER UTILITIES; THE CONTRACTOR SHALL NOTIFY THE RESPECTIVE UTILITY OWNERS TO RESOLVE UTILITY CONFLICTS AND UTILITY ADJUSTMENTS, AS REQUIRED. UTILITIES SHALL REMAIN UNLESS OTHERWISE NOTED. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN IN PLACE.
2. THE CONTRACTOR SHALL NOTIFY ALL UTILITIES AT LEAST 48 HOURS IN ADVANCE OF ANY OPERATION THAT MAY CONFLICT WITH OVERHEAD OR UNDERGROUND UTILITIES, INCLUDING POLE SETTING OPERATIONS WHERE A CONFLICT WITH OVERHEAD ELECTRICAL CONDUCTORS IS EXPECTED.
3. AS DIRECTED BY THE PROJECT ENGINEER, THE CONTRACTOR SHALL ADJUST CONDUIT VERTICALLY TO AVOID ANY POSSIBLE CONFLICTS WITH UNDERGROUND UTILITIES.
4. IT IS THE INTENT OF THESE PLANS THAT THE PROPOSED EQUIPMENT TO BE INSTALLED IS TO BE PLACED IN SUCH A MANNER SO AS TO TOTALLY AVOID ANY CONFLICTS WITH EXISTING UTILITIES ALONG THE ROUTE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE NECESSARY INFORMATION TO PLAN THEIR WORK WITHIN THE DESIGN OR SPECIFIED PARAMETERS, AND THE SPECIFIED TIME FRAME. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL ABOVEGROUND AND UNDERGROUND CONFLICTS IN ADVANCE OF THE PLACEMENT OF ANY CONDUIT OR OTHER FACILITIES.
5. THE CONTRACTOR SHALL HAND DIG THE FIRST FOUR FEET OF ANY POLE OR PEDESTAL INSTALLATION TO INSURE THAT THERE ARE NO UNDERGROUND UTILITY CONFLICTS. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK. EXTREME CAUTION SHALL BE USED BY THE CONTRACTOR WHEN EXCAVATING, INSTALLING, BACKFILLING AND COMPACTING AROUND EXISTING UTILITIES.
6. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE LOCATION (BOTH VERTICAL AND HORIZONTAL) AND PROTECTION, REPAIR AND/OR REPLACEMENT OF ALL UTILITIES THAT MAY BE AFFECTED BY THE CONSTRUCTION OF THIS PROJECT. THIS SHOULD BE PERFORMED BY VACUUM EXCAVATION OR COMPARABLE NONDESTRUCTIVE EQUIPMENT. THE COST OF REPAIRS AND OR REPLACEMENT SHALL BE COVERED BY THE CONTRACTOR OR UTILITY OWNER.

GENERAL

1. UNLESS OTHERWISE NOTED IN THE TECHNICAL SPECIFICATIONS: INSTALLATION, ACCEPTANCE, AND PAYMENT FOR ALL ITEMS REQUIRED IN THESE PLANS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING, REFERENCED IN THE KEY SHEET: MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (STANDARD SPECIFICATIONS), FDOT STANDARD PLANS FOR ROAD CONSTRUCTION AND FDOT DISTRICT 5 PREFERENCES.
2. THESE PLANS REFLECT CONDITIONS KNOWN DURING PLAN DEVELOPMENT. IN THE EVENT ACTUAL PHYSICAL CONDITIONS PREVENT THE APPLICATION OR THE PROGRESSION OF ANY WORK SPECIFIED IN THESE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY AND PRIOR TO ANY FURTHER WORK ACTIVITY.
3. APPROVAL OF SHOP DRAWINGS DOES NOT CONSTITUTE A WARRANTY THAT THE SIGNAL EQUIPMENT COMPLIES WITH THE STANDARDS OF THE MAINTAINING AGENCY. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THE PROPOSED SIGNAL EQUIPMENT MEETS THE REQUIREMENTS SPECIFIED IN THE CONTRACT, SPECIFICATIONS AND CONTRACT PLANS.
4. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TWO SETS OF SHOP DRAWINGS, MANUFACTURER'S DESCRIPTIVE LITERATURE AND TECHNICAL DATA FOR EACH EQUIPMENT ITEM PROPOSED ON THIS PROJECT TO THE EOR.
5. THE MAINTAINING AGENCY IS OSCEOLA COUNTY. A RIGHT OF WAY UTILIZATION PERMIT IS REQUIRED. THE CONTRACTOR SHALL NOTIFY THE MAINTAINING AGENCY AT LEAST 72 HOURS BEFORE BEGINNING ANY RELATED TRAFFIC SIGNAL WORK. THE CONTRACTOR SHALL OBTAIN ALL CONSTRUCTION PERMITS REQUIRED FOR THE PROJECT FOR APPLICABLE CITIES, COUNTY, AGENCIES, AND FDOT. APPROVAL OF PLANS BY OSCEOLA COUNTY DOES NOT CONSTITUTE A PERMIT.
6. EQUIPMENT WARRANTY SHALL BE ONE YEAR, MANUFACTURER'S PROVIDED OR PER FDOT STANDARD SPECIFICATIONS (LATEST EDITION), WHICHEVER IS LONGER.
7. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE WRITTEN NOTICE OF COMMENCEMENT, VIA EMAIL, TO KATHY.LEE@OSCEOLA.ORG. NOTICE SHALL INCLUDE THE DATE OF

COMMENCEMENT, LOCATION AND TYPE OF WORK & INFORMATION REGARDING ANY MALFUNCTIONING SIGNAL EQUIPMENT. THIS SHALL BE COMPLETED AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK. THE ENGINEER SHALL BE NOTIFIED AS WELL.

8. DURING NON-WORKING HOURS, NO EQUIPMENT, VEHICLES OR MATERIAL SHALL BE PARKED OR STORED WITHIN THIRTY FEET OF THE ROADWAY CARRYING TRAFFIC. IF THE ABOVE IS NOT POSSIBLE, A STORAGE AREA WITH PROPER DELINEATION AND ADVANCED WARNING SHALL BE USED WITH THE APPROVAL OF THE ENGINEER.
9. THE CONTRACTOR SHALL NOTIFY KEVIN KRUG (SENIOR SIGNAL TECH) AT (407) 738-9405 AT LEAST TWO FULL BUSINESS DAYS IN ADVANCE OF INSTALLING GROUND RODS, UNDERGROUND CONDUIT, OR SETTING POLES SO THAT THESE OPERATIONS CAN BE OBSERVED.
10. CONTRACTOR SHALL PROVIDE TO THE COUNTY AN UPDATED CONSTRUCTION SCHEDULE IN THE FORM OF A TWO WEEK LOOK AHEAD ON A BIWEEKLY BASIS.
11. ALL DISTURBED AREAS, INCLUDING PAVEMENT MARKINGS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION OR BETTER.
12. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN, UNLESS OTHERWISE NOTED.
13. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT SOME DRAINAGE STRUCTURES EXTEND INTO THE STABILIZED PORTION OF THE ROAD BED AND EXTREME CAUTION WILL BE NECESSARY IN STABILIZATION OPERATIONS AT THOSE LOCATIONS.
14. THE CONTRACTOR SHALL BE ADVISED THAT OTHER PROJECTS MAY BE UNDER CONSTRUCTION CONCURRENTLY WITH THIS PROJECT AND THAT COORDINATION EFFORTS MAY BE NECESSARY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE CONSTRUCTION SCHEDULE AND FOR THE AMOUNT OF COORDINATION REQUIRED. THE CONTRACTOR SHALL COORDINATE ANY AND ALL CONSTRUCTION ACTIVITIES AND TRAFFIC CONTROL PHASES WITH ANY CONTRACTOR WITHIN OR ADJACENT TO PROJECT LIMITS.
15. NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM THEIR RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENCES ALONG THE PROPOSED CONSTRUCTION AREA.
16. OFFSETS TO POLES, CABINETS AND PULL BOXES ARE TO THE CENTER OF THOSE ITEMS. THE LOCATION OF ALL PROPOSED EQUIPMENT TO BE INSTALLED SHALL BE CONSIDERED TO BE APPROXIMATE. FIELD ADJUSTMENT OF ALL PROPOSED EQUIPMENT MAY BECOME NECESSARY TO ACCOMMODATE EXISTING FIELD CONDITIONS. VARIATIONS FROM THE PROPOSED LOCATION MUST BE PRE-APPROVED BY THE COUNTY IN WRITING.
17. PULL BOXES SHALL BE PLACED BEHIND CURB AND GUTTER. IF THERE IS NO CURB AND GUTTER, THEN PULL BOXES SHALL BE PLACED AT LEAST TEN FEET FROM THE EDGE OF PAVEMENT OR ROADWAY RADII. PULL BOXES SHALL NOT BE PLACED IN RAMPS. PULL BOXES SHALL NOT BE LOCATED AT THE BOTTOM OF ANY DITCH OR RETENTION AREA/POND. PULL BOXES INSTALLED ALONG A SLOPED SURFACE SHALL MATCH THE SLOPE OF THE EXISTING SURFACE. PULL BOXES SHALL BE TRAFFIC RATED.
18. ALL ENDS OF CONDUITS IN PULL BOXES AND CABINETS SHALL BE SEALED WITH ELECTRICAL PUTTY AFTER WIRING IS COMPLETE.
19. SIX FEET OF ADDITIONAL SIGNAL CABLE SLACK SHALL BE PRESENT IN THE UPRIGHT SUCH THAT THE TERMINAL BLOCK CAN BE REMOVED FROM THE UPRIGHT TO ALLOW FOR TROUBLE SHOOTING.
20. CABLE GRIP SHALL BE OF SUFFICIENT SIZE TO NOT COMPROMISE THE INSULATION ON THE SIGNAL CABLE.
21. ALL CABLE SHALL BE PULLED IN THE CONDUIT WITH A CABLE GRIP DESIGNED TO PROVIDE A FIRM HOLD ON THE EXTERIOR COVERING OF THE CABLE. A WINCH WITH A SLIP CLUTCH SHALL BE USED TO ENSURE THAT THE ALLOWABLE TENSION UNIT IS NOT EXCEEDED. AN APPROVED LUBRICANT SHALL BE USED TO FACILITATE THE PULLING OF THE CABLE.
22. DELAY TIME SHALL BE SET TO FIVE SECONDS.
23. GROUND RODS ARE TO BE INSTALLED IN PULL BOXES WHEN POSSIBLE.
24. SIGNAL CABLE SHALL BE SPLICED TO A SEPARATE 7 CONDUCTOR CABLE FOR EACH SIGNAL AND 7 CONDUCTOR CABLE FOR EACH PEDESTRIAN HEAD. THESE SPLICES SHALL BE INSTALLED IN EITHER THE HAND-HOLE OF THE STEEL POLE/CONCRETE STRAIN POLE OR WITHIN THE TRANSFORMER BASE OF A PEDESTRIAN PEDESTAL. THE COLOR CODE OF SIGNAL CABLE SHALL BE VERIFIED WITH OSCEOLA COUNTY PRIOR TO WIRING INTERSECTION. A PERMANENT TAG SHALL BE PLACED AT BOTH OF THE WIRE TERMINATIONS DESIGNATING THE PHASE USED. ALL UNUSED SIGNAL WIRES SHALL BE BONDED TO THE POLE GROUND. EACH DETECTOR PUSH BUTTON SHALL BE FED WITH AN INDIVIDUAL TWO CONDUCTOR BELDEN CABLE, WITH THE SHIELD WIRE BONDED TO THE POLE GROUND. THE OUTSIDE INSULATION JACKET OF ALL SIGNAL CABLES SHALL REMAIN INTACT FROM THE SIGNAL HEADS TO THE FIELD TERMINATION POINTS. NO UN-JACKETED INDIVIDUAL CONDUCTORS SHALL REST IN ANY FIELD DRILLED STRUCTURES OR ASSEMBLIES.

25. CONTRACTOR SHALL VERIFY COLOR CODES FOR BOTH SIGNAL AND INTERCONNECT CABLE WITH OSCEOLA COUNTY BEFORE ORDERING. WIRING DIAGRAMS SHALL BE IN ACCORDANCE WITH OSCEOLA COUNTY SPECIFICATIONS.
26. ALL FIELD WIRING SHALL BE NEATLY BUNDLED AND CLEARLY IDENTIFIED WITH PERMANENT LEGIBLE, WEATHERPROOF TAGS THAT ARE SECURELY ATTACHED TO EACH CABLE. THE TAGGING SYSTEM PROPOSED SHALL BE SUBMITTED FOR APPROVAL WITH THE OTHER EQUIPMENT SUBMITTALS REQUIRED FOR THIS PROJECT.
27. THREE SPARE CONDUCTORS SHALL BE INSTALLED PER VEHICLE PHASE. SPARES SHALL BE BOUND AND GROUNDED IN CABINET.
28. ALL SIGNAL RUNS INSTALLED SHALL BE CONTINUOUS RUNS OR IF NOT CONTINUOUS MUST HAVE A TERMINAL STRIP INSTALLED AND FASTENED TO THE MAST ARM.
29. ALL SIGNAL INDICATIONS SHALL BE L.E.D. L.E.D. PRODUCT INFORMATION SHALL BE SUBMITTED TO THE EOR FOR REVIEW AND APPROVAL.
30. SOLID CONDUCTORS SHOULD BE USED FOR MAIN ROADWAY PHASES AND TRACERS USED FOR SIDE STREET PHASES.
31. NO MIXING OF SIGNAL WIRES AND FIBER WILL BE PERMITTED.
32. NO USE OF LB CONDUITS SHALL BE USED IN EXISTING OR NEW CABINET INSTALLS.
33. ALL WIRES OR FIBER IN PULL BOXES OR SIGNAL CABINETS MUST BE CLEARLY MARKED FOR DIRECTION AND PHASES ON VIDEO CABLES, VIDEO RACKS AND ANY LOOPS.
34. ALL PEDESTRIAN WALKWAYS SHALL USE "CAST IN PLACE" TYPE ADA MAT. NO ADA MAT FASTENED TO THE CONCRETE OR PAINT ON MATS SHALL BE USED.

INSPECTIONS

1. ALL FINAL INSPECTIONS ARE TO BE SCHEDULED IN ACCORDANCE WITH CONTRACT DOCUMENTS. THE MAINTAINING AGENCY SHALL BE NOTIFIED AT LEAST 72 HOURS BEFORE TURN-ON INSPECTION.
2. THE CONTRACTOR IS REQUIRED TO INSPECT THE INSTALLATION OF THE TRAFFIC SIGNALS IN ACCORDANCE WITH FDOT SPECIFICATION 105-8.9. THE CONTRACTOR SHALL COORDINATE THE FINAL ACCEPTANCE INSPECTION IN ACCORDANCE WITH FDOT SPECIFICATION 611-2.2 WITH THE ENGINEER AT LEAST TEN BUSINESS DAYS IN ADVANCE. KEVIN KRUG (SENIOR SIGNAL TECH) @ (407) 738-9405. OSCEOLA COUNTY TRAFFIC ENGINEERING SHOULD BE CONTACTED TEN BUSINESS DAYS BEFORE THE INSPECTIONS ARE TO BE PERFORMED SO THEY MAY BE PRESENT.
3. CONTRACTOR SHALL HAVE THE APPROVED SHOP DRAWINGS AVAILABLE ON THE PROJECT SITE.
4. ALL WORK WHICH WILL NOT BE READILY VISIBLE UPON COMPLETION SHALL NOT BE CONCEALED UNTIL AN APPROVED INSPECTION. IN THE EVENT THAT ITEMS ARE CONCEALED, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO EXPOSE THE QUESTIONED ITEM(S) FOR THE INSPECTOR'S APPROVAL, AT NO ADDITIONAL COST TO THE COUNTY. THIS INCLUDES, BUT IS NOT LIMITED TO:
 - A. BURIED OR IMBEDDED CONDUIT
 - B. GROUND WIRE, RODS, AND ARRAY
 - C. LOOPS AND HOMERUNS
 - D. LOOP SPLICES BEFORE ENCAPSULATING
 - E. ALL MEG OHM AND CONTINUITY TESTING SHALL BE DONE IN THE PRESENCE OF THE COUNTY INSPECTOR
5. THE APPLICATION OF THE FOLLOWING MATERIALS TO VARIOUS TRAFFIC SIGNAL COMPONENTS SHALL BE PERFORMED DURING ASSEMBLY:
 - A. THREADED HARDWARE: ALL NON-ELECTRICAL THREADED HARDWARE (I.E. SIGNAL HEAD MOUNTING HARDWARE, POLE HARDWARE, OR ANY THREADED SURFACE) SHALL BE COATED WITH AN ANTI-SEIZE LUBRICANT APPROVED BY THE ENGINEER. NO SPRAY ON ANTI-SEIZE COMPOUND WILL BE ACCEPTED.
 - B. GASKETING SURFACES: ALL GASKET SURFACES SHALL BE LIGHTLY COATED WITH COUNTY APPROVED SILICONE GREASE.
 - C. ELECTRICAL CONNECTIONS: ALL MECHANICAL/ELECTRICAL CONNECTIONS SHALL HAVE THE VARIOUS COMPONENTS OF THE SPLICE OR TERMINATION COATED WITH A COUNTY APPROVED OXIDE INHIBITOR.
 - D. GALVANIZED SURFACES: ALL SCRATCHES AND FIELD-DRILLED HOLES SHALL BE TREATED IN ACCORDANCE WITH THE "SPECIAL PROVISION FOR INSTALLATION OF PAINT-OVER-GALVANIZED STEEL MAST-ARM ASSEMBLIES".
 - E. WEATHERPROOFING: IRREGULAR MATING SURFACES SHALL BE RENDERED WEATHERPROOF BY APPLYING AN APPROPRIATE BEAD OF CLEAR SILICONE CAULK. THESE AREAS INCLUDE SERRATED SIGNAL COUPLINGS, CONTROLLER CABINET FOUNDATION, PEDESTRIAN PUSH BUTTONS, AND ANY OTHER AREAS TYPICALLY PRONE TO MOISTURE INFILTRATION.

- F. CABLE ENTRY/EXIT: WHENEVER A CABLE ENTERS OR EXITS A FIELD DRILLED HOLE, THE CABLE SHALL BE PROTECTED FROM ABRASION WITH AN APPROVED MEANS.
6. IN AN INSPECTION, THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT INCLUDING A TWO MAN BUCKET TRUCK OR PLATFORM LIFT TRUCK FOR USE BY THE INSPECTOR AND MAINTENANCE.
- G. 1. IF THE CONTRACTOR CALLS FOR AN INSPECTION AND THE CONTRACTOR IS NOT PREPARED FOR THE INSPECTION (I.E. THE INSPECTION HAS TO BE RESCHEDULED), THE CONTRACTOR SHALL BE BACK CHARGED FOR ALL COSTS ASSOCIATED WITH THE INSPECTION.

AS-BUILT PLANS

1. THE CONTRACTOR SHALL PROVIDE FOUR SETS OF MARKED UP (AS-BUILT) CONSTRUCTION PLANS TO THE ENGINEER AND MAINTAINING AGENCY AS DEFINED IN FDOT STANDARDS AND BRIDGE SPECIFICATIONS SECTION 611, SEVEN DAYS PRIOR TO SIGNAL CONDITIONAL ACCEPTANCE INSPECTION BY THE MAINTAINING AGENCY. THE CONTRACTOR SHALL BE REQUIRED TO BECOME FAMILIAR WITH OSCEOLA COUNTY'S INSPECTION PROCEDURE. THE CONTRACTOR SHALL ALSO PROVIDE A PDF OF THE AS BUILT PLANS. THE CONTRACTOR SHALL INSTALL ONE AS- BUILT PLAN INTO THE DRAWER IN THE SIGNAL CABINET IN ADDITION TO AS BUILT PLANS, CONTRACTOR SHALL SUBMIT BORE LOGS.
2. THE CONTRACTOR SHALL SUBMIT A SKETCH TO THE ENGINEER FOR APPROVAL, IF THE LOCATION OF ANY VERTICAL PLACEMENT VARIES FROM THE DESIGNATED LOCATION OF THE PLAN. UPON FINAL INSPECTION AND ACCEPTANCE, THE CONTRACTOR SHALL PROVIDE AS-BUILT AND AS-INSTALLED DRAWINGS AS STIPULATED IN THE CONTRACT.

SUBMITTALS



1. ALL SUBMITTAL DATA SHOULD BE SUBMITTED TO KATHY LEE ON OSCEOLA COUNTY PROJECTS TO THE OFFICE BELOW. THE CONTRACTOR SHALL ALLOW FOR 15 WORKING DAY TURN AROUND ON SUBMITTALS.

OSCEOLA COUNTY TRAFFIC ENGINEERING
ATTN: KATHY LEE, PE
1 COURTHOUSE SQUARE SUITE 310
KISSIMMEE, FL 34741
2. PRIOR TO ANY EQUIPMENT ORDER, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL EQUIPMENT SPECIFICATIONS, OR DESIGN DATA FOR ALL MATERIAL PROPOSED FOR THIS PROJECT.

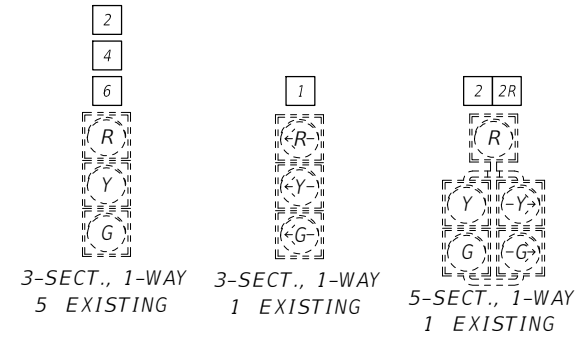
PAY ITEM NOTES

1. 630-2-XX ALL CONDUIT MATERIALS SHALL MEET THE MINIMUM REQUIREMENTS OF SECTION A630-2 OF THE CURRENT MINIMUM SPECIFICATIONS FOR TRAFFIC CONTROL SIGNAL DEVICES (MSTCSD). ALL CONDUIT INSTALLED SHALL BE INSTALLED AS PER THE LATEST FDOT SPECIFICATIONS. A TEN GAUGE TRACE WIRE SHALL BE INSTALLED WITHIN ANY UNUSED CONDUIT AND SPLICED WITHIN THE PULL BOX TO PROVIDE ELECTRICAL CONTINUITY. IF CONFLICTS ARISE BETWEEN SPECIFICATIONS, THE MOST STRINGENT SHALL APPLY. ALL REFERENCES IN THE PLAN TO RIGID CONDUIT SHALL BE INSTALLED AS 1.5" GALVANIZED STEEL METAL CONDUIT. ALL UNDERGROUND CONDUIT SHALL BE 2". THERE SHALL BE ONE SPARE 2" UNDERGROUND CONDUIT INSTALLED PER RUN. THIS SHALL BE REFLECTED IN THE CALLOUT. IT SHOULD BE NOTED THAT NO TEST BORINGS WERE MADE WHERE CONDUIT RUNS ARE TO BE INSTALLED BY DIRECTIONAL BORE, JACKING OR TRENCHING. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE JOB SITE CONDITIONS BEFORE SUBMITTING BID PROPOSALS IN ACCORDANCE WITH SECTION 2-4 OF THE FDOT SPECIFICATIONS. THERE SHALL BE A SEPARATE CONDUIT FOR VIDEO AND SIGNAL
2. 632-7-1 INCLUDES COST OF PEDESTRIAN SIGNAL HEAD WIRING/CABLING RUNS.
3. 635-2-XX PULL BOXES SHALL HAVE NON-METALLIC QUAZITE "HEAVY DUTY" COVERS RATED FOR A STATIC DESIGN LOAD OF AT LEAST 20,000 LBS. OVER A 10" SQUARE AREA. COVERS SHALL BE STAMPED "OSCEOLA COUNTY TRAFFIC SIGNAL" FOR ALL SIGNALIZATION APPLICATIONS. ALL PULL BOXES SHALL BE OF COMPOSITE MATERIAL AND INSTALLED WITH A MINIMUM 12" WIDE, 6" DEEP CONCRETE APRON PER FDOT STANDARD INDEX 17700 A (INTERIM). THE MINIMUM 28-DAY COMPRESSIVE STRENGTH REQUIREMENT FOR THIS CONCRETE IS 3000 PSI. THE PEA ROCK BED BENEATH PULL BOX SHALL BE AT A MINIMUM OF 12" DEEP AND HAVE A 12" WIDE APRON AROUND THE BOTTOM OF THE PULL BOX (I.E. THE BOX SHALL SIT ON THE COMPACTED BED OF PEA ROCK AS SHOWN IN STANDARD PLANS 635-001). THE FOUNDATION MATERIAL BENEATH THE PEA ROCK BED SHALL BE COMPACTED TO THE COUNTY'S APPROVAL. THE AREA TO BE COMPACTED IS, BUT NOT LIMITED TO THAT AREA UNDER THE PEA ROCK BED, THE MATERIAL ABOVE THE PEA ROCK BED, AND ONE FOOT OUTSIDE THE PULL BOX APRON SHALL BE COMPACTED PRIOR TO PLACING THE CONCRETE. CONCRETE FORMS, PLACING CONCRETE, JOINTS AND FINISHING SHALL MEET SECTION 520-3, 520-5, 522-5, & 522-7, RESPECTIVELY.
4. 653-1-XX LED PEDESTRIAN SIGNALS ARE TO BE SINGLE SECTION AND PROVIDED WITH INTERNATIONAL STYLE LENSES AND COUNTDOWN FEATURES.

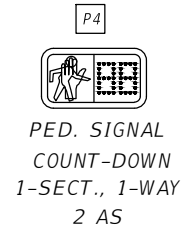
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R E V I S I O N S				 Engineers Scientists Planners Designers 225 E. Robinson Street, Suite 300 Orlando, FL 32801 (407)839-4006 Certificate of Authorization # 3932 Jennifer M. DiStefano, P.E. PE # 81844	 OSCEOLA COUNTY FLORIDA	SIGNALIZATION GENERAL NOTES	SHEET NO. T-2
DATE	DESCRIPTION	DATE	DESCRIPTION				

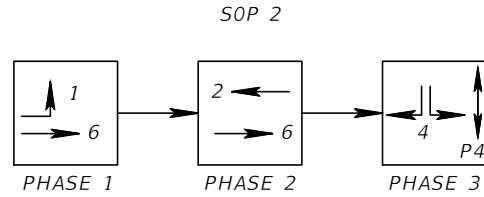
SIGNAL HEAD DETAILS



PEDESTRIAN HEAD DETAILS



MOVEMENT DIAGRAM



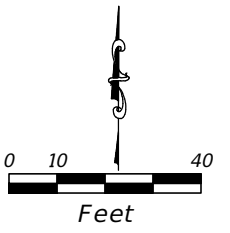
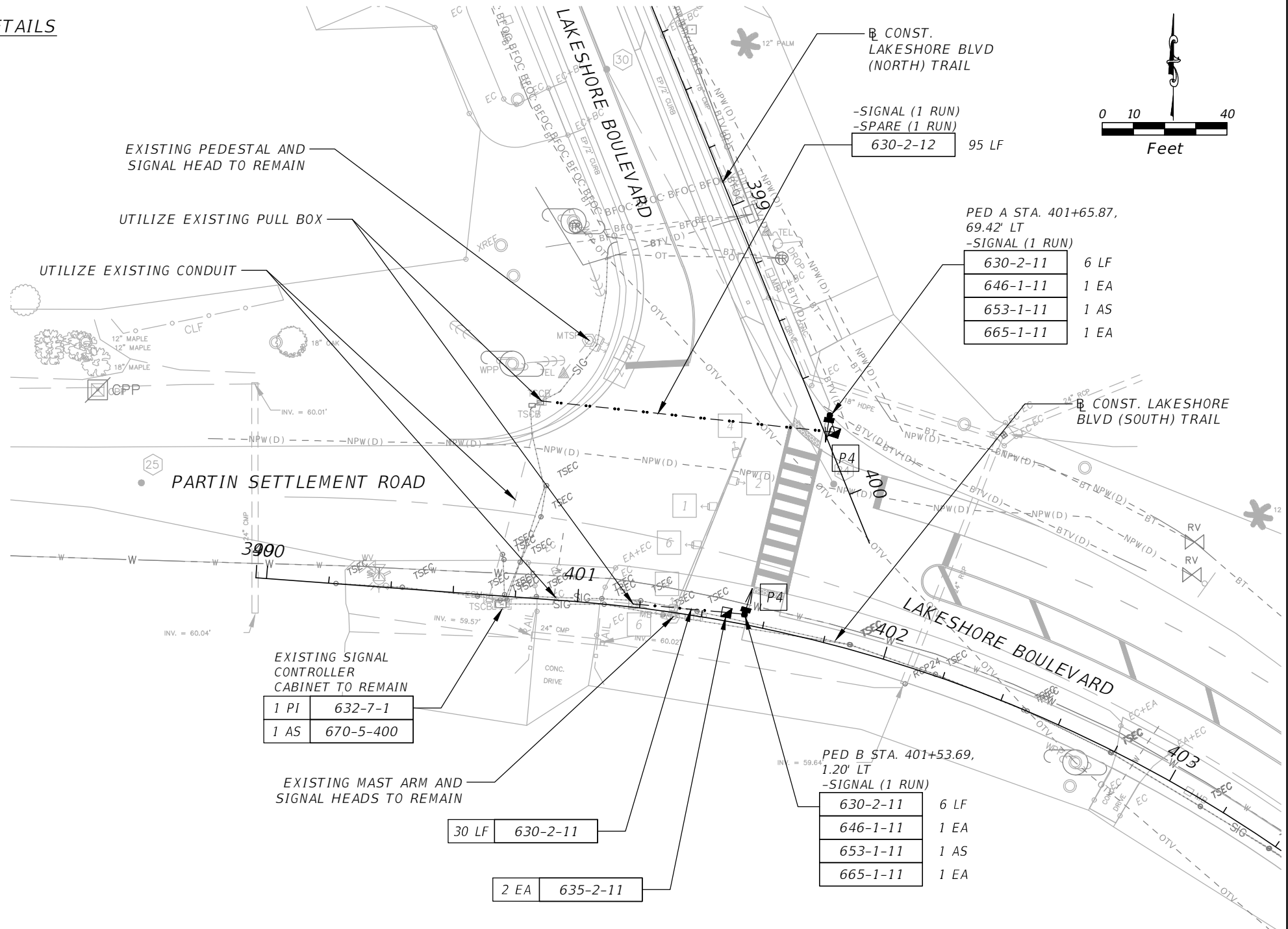
CONTROLLER TIMINGS

TIMING FUNCTION		1	2	3	4	5	6	7	8
MOVEMENT NUMBER									
MINIMUM GREEN		-	-	-	-	-	-	-	-
EXTENSION		-	-	-	-	-	-	-	-
MAXIMUM GREEN 1		-	-	-	-	-	-	-	-
MAXIMUM GREEN 2		-	-	-	-	-	-	-	-
YELLOW CLEARANCE		-	-	-	-	-	-	-	-
ALL RED		-	-	-	-	-	-	-	-
PEDESTRIAN WALK		-	-	-	7	-	-	-	-
PED. CLEARANCE		-	-	-	15	-	-	-	-
RECALL		-	-	-	-	-	-	-	-
DETECTOR FUNCTION		-	-	-	-	-	-	-	-

NOTE: EXISTING SIGNAL TIMING SHALL REMAIN UNLESS OTHERWISE NOTED.

NOTES:

1. ALL EXISTING SIGNAL EQUIPMENT SHALL REMAIN.
2. THE INTENT OF THE 632-7-1 PAY ITEM IS TO CONNECT THE PROPOSED PEDESTRIAN SIGNAL HEADS TO THE EXISTING CONTROLLER. THE CONTRACTOR IS NOT EXPECTED TO REWIRE THE WHOLE INTERSECTION.
3. EXISTING PULL BOXES AND CONDUITS TO REMAIN AND SHALL BE UTILIZED TO RUN THE PROPOSED SIGNAL CABLE FOR THE PEDESTRIAN SIGNALS BACK TO THE CONTROLLER CABINET.



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PE # 81844



OSCEOLA COUNTY
FLORIDA

SIGNAL MODIFICATION
PLAN

SHEET
NO.
T-3

TRAFFIC CONTROL NOTES

1. LANE CLOSURE RESTRICTIONS ARE AS FOLLOWS:

FORTUNE ROAD

US 192 TO SIMPSON ROAD

OPEN ROAD: NO RESTRICTIONS
SIGNALIZED (w/in 600'): 7AM TO 7PM

SIMPSON ROAD TO LAKESHORE ROAD
NO RESTRICTIONS

E. LAKESHORE BLVD AND LAKESHORE BLVD

NORTH OF PARTIN SETTLEMENT ROAD
NO RESTRICTIONS

SOUTH OF PARTIN SETTLEMENT ROAD
OPEN ROAD: NO RESTRICTIONS
SIGNALIZED (w/in 600'): 3PM TO 8PM AND 7AM TO 9AM

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

2. SHOULDER WORK TRAFFIC CONTROL SHALL CONFORM TO STANDARD PLAN 102-602.

3. SIDEWALK CLOSURES ARE ANTICIPATED AT THE FOLLOWING LOCATIONS:

- FORTUNE ROAD BETWEEN U.S. 17-92 TO WEST SIMPSON ROAD
- FORTUNE ROAD BETWEEN HARBOR TOWN DRIVE AND FORTUNE ROAD ATHLETIC COMPLEX
- REMINGTON ESTATES

SIDEWALK CLOSURE AND DETOURS SHALL CONFORM TO STANDARD PLANS INDEX 102-660. DETOURS REQUIRING CROSSING FORTUNE ROAD SHALL BEGIN AND END AT A SIGNALIZED INTERSECTION WITH PEDESTRIAN DETECTION.

3. PROVIDE A FLAGGING OPERATION AT DRIVEWAYS AND SIDE STREETS TO GUIDE VEHICLES THROUGH CONSTRUCTION WHEN TRAFFIC CONTROL DEVICES CANNOT BE MAINTAINED SUCH AS DURING PAVING OPERATIONS.

4. THE EXISTING SPEED LIMIT SHALL BE MAINTAINED THROUGH THE PROJECT LIMITS.

5. MAINTAIN AND KEEP STREET NAME IDENTIFICATION VISIBLE DURING CONSTRUCTION OPERATIONS, IN ORDER TO FACILITATE EMERGENCY VEHICLE TRAFFIC.

6. ALL LOCAL LAW ENFORCEMENT AND EMERGENCY/RESCUE AGENCIES LOCATED IN THE PROJECT VICINITY SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF PERFORMING ANY LANE CLOSURES.

7. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS. ALL SIGNING, PAVEMENT MARKING, BARRICADES AND WARNING LIGHTS NECESSARY FOR MAINTENANCE OF TRAFFIC SHALL CONFORM TO STANDARD PLANS 102-600 SERIES.

8. TEMPORARY CRASH CUSHIONS SHALL BE IN ACCORDANCE WITH STANDARD PLANS INDEX NO. 544-001.

9. MAINTAIN ACCESS TO RESIDENTIAL AND BUSINESS DRIVEWAYS AT ALL TIMES.

10. ADDITIONAL DETAILS ARE ON THE FOLLOWING SHEET.

11. SEE ROAD CLOSURE DETOUR FOR THE INSTALLATION OF THE CANAL C-31 BRIDGE.

TRANSIT SERVICE COORDINATION

START WORK NOTIFICATION

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

LANE CLOSURE NOTIFICATIONS

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

BUS SHELTER COORDINATION

JENNIFER HALL	CONSTRUCTION PROJECT MANAGER	(407) 254-6110	JHALL@GOLYNX.COM
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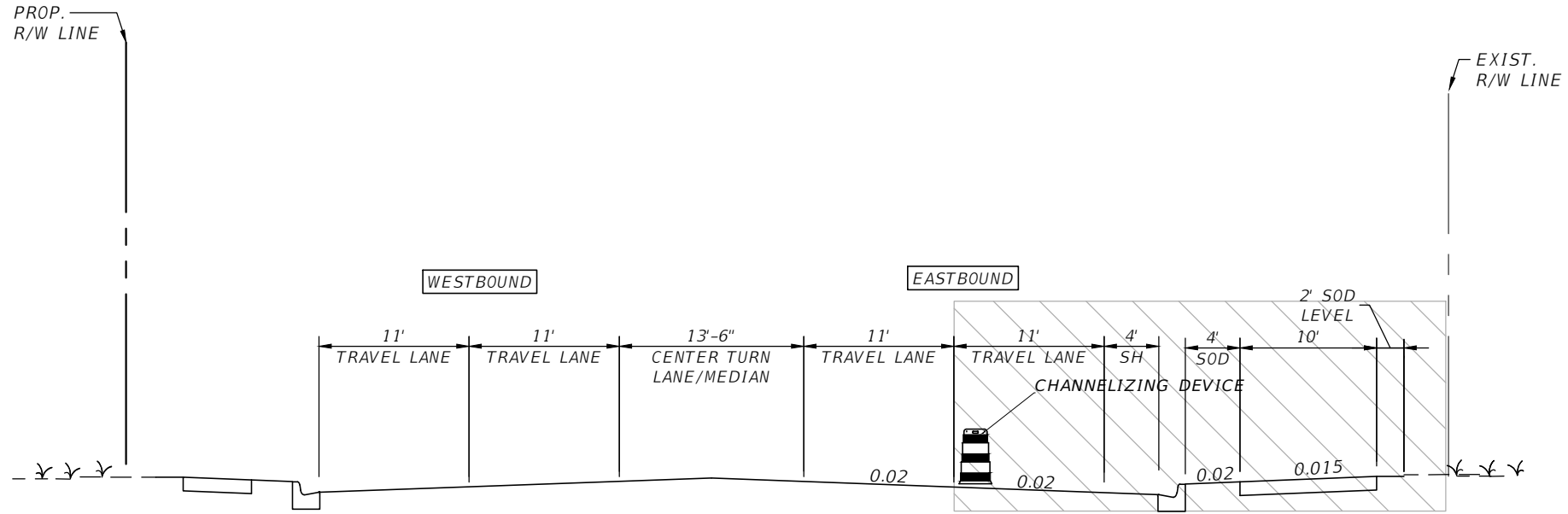


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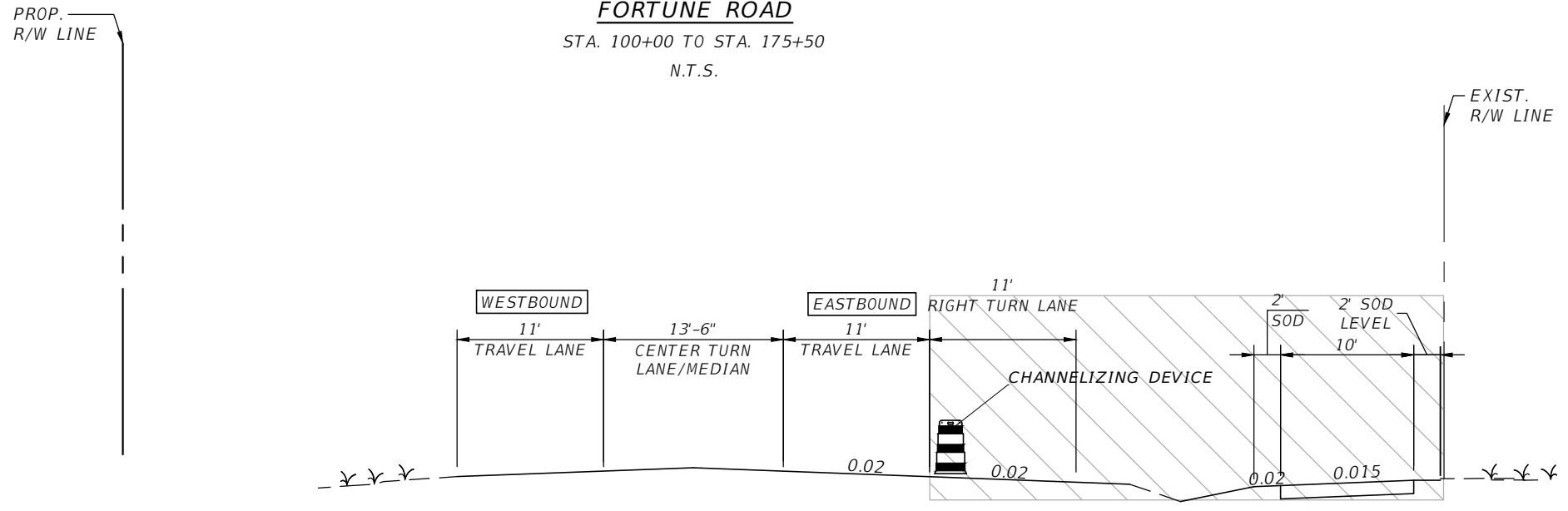
TRAFFIC CONTROL PLAN
GENERAL NOTES

SHEET
NO.

TCP-1

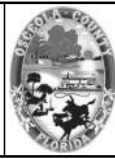


FORTUNE ROAD
 STA. 100+00 TO STA. 175+50
 N.T.S.



FORTUNE ROAD
 STA. 210+00 TO STA. 224+00
 N.T.S.

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**OSCEOLA COUNTY
 FLORIDA**

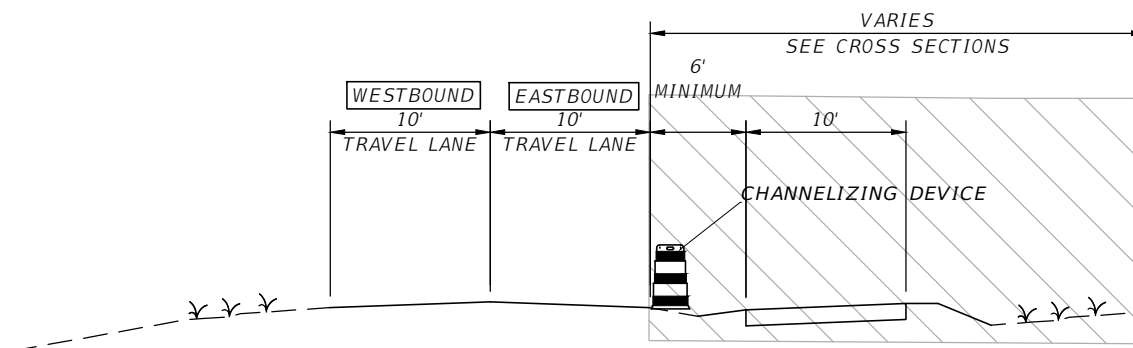
**TRAFFIC CONTROL PLAN
 TYPICAL SECTION SHEET 1**

SHEET
 NO.
 TCP-2

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PROP.
R/W LINE

EXIST.
R/W LINE



FORTUNE ROAD

STA. 224+00 TO STA. 283+00

E. LAKESHORE BLVD.

FORTUNE ROAD TO COLUMBIA AVENUE

N.T.S.

NOTES:

1. MIRROR TRAFFIC CONTROL FOR WESTBOUND WORK ZONE.
2. SEE CROSS SECTIONS FOR WORK ZONE LIMITS AND WALL SECTIONS.
3. SEE STANDARD PLAN 102-602 FOR TRAFFIC CONTROL SET UP.

REVISIONS			
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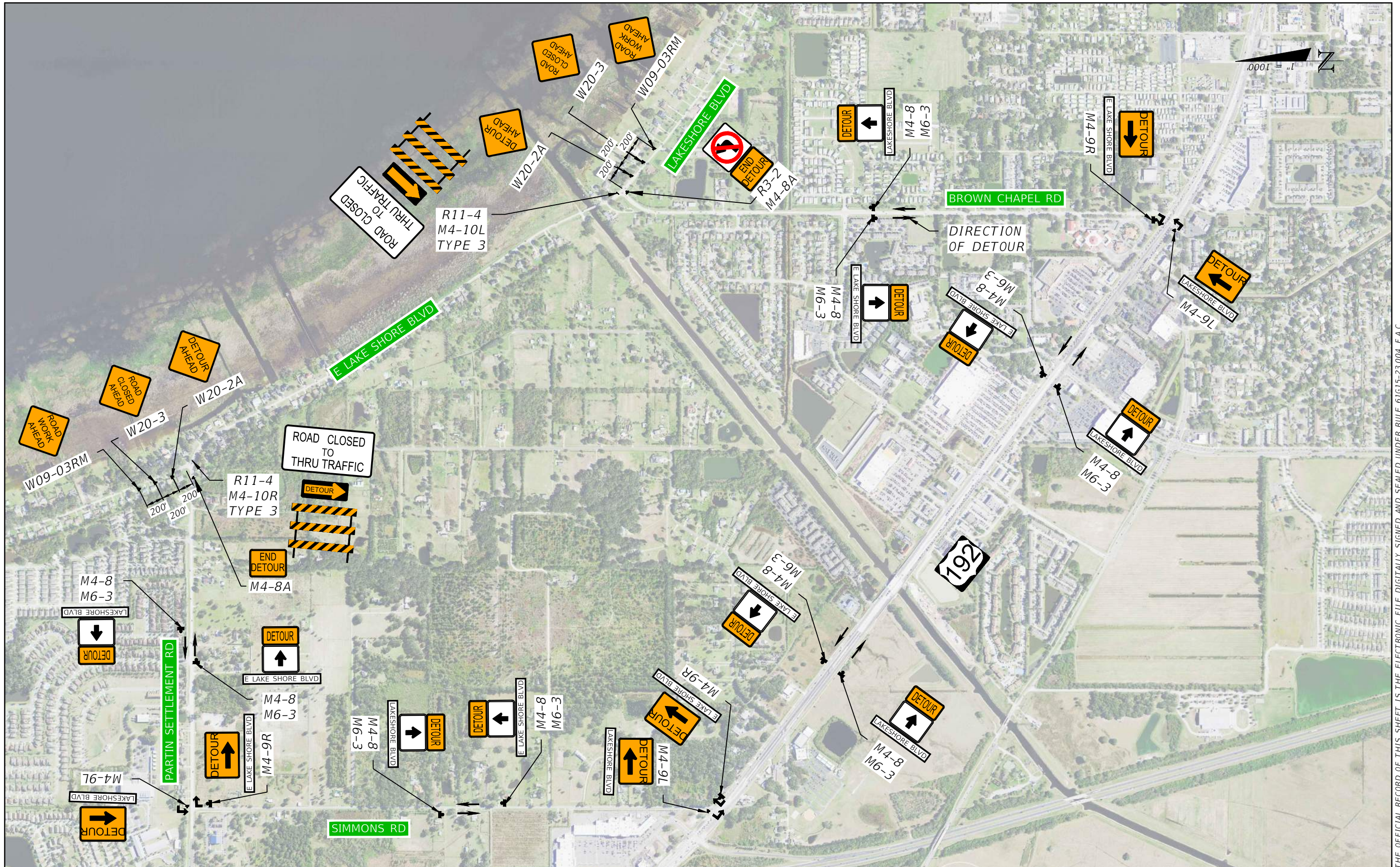


OSCEOLA COUNTY
FLORIDA

TRAFFIC CONTROL PLAN
TYPICAL SECTION SHEET 2

SHEET
NO.
TCP-3

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OSCEOLA COUNTY
 FLORIDA

TRAFFIC CONTROL PLAN
 DETOUR PLAN

SHEET
 NO.
 TCP-4

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GENERAL NOTES

A. SPECIFICATIONS

1. GENERAL:
FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2021 EDITION) AND SUPPLEMENTS THERETO.
2. DESIGN:
 - A) AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO), LRFD BRIDGE DESIGN SPECIFICATIONS, EIGHTH EDITION (2017).
 - B) FDOT STRUCTURES MANUAL, DATED JANUARY 2020.
 - C) AASHTO LRFD GUIDGE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, DATED DECEMBER 2009.
 - D) APPLICABLE SECTIONS OF THE FDOT DESIGN MANUAL (2020 EDITION).
 - E) AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNAL, FIRST EDITION (2015) WITH INTERIM REVISIONS.
3. STANDARDS:
2020-21 FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND APPLICABLE INTERIM REVISIONS.

B. DESIGN METHOD

LOAD AND RESISTANCE FACTOR DESIGN METHOD (LRFD).

C. DESIGN LOADS

1. DEAD LOADS:
 - A) UNIT WEIGHT OF CONCRETE: 150 PCF
 - B) ALUMINUM PEDESTRIAN/BICYCLE RAILING: 30 PLF
 - C) SOIL: 110 PCF
2. LIVE LOADS:
DESIGN OF APPROACH AND BRIDGE TO INCLUDE THE FOLLOWING:
 - A) PEDESTRIAN/BICYCLE LOAD: 90 PSF (NO REDUCTION ALLOWED)
 - B) VEHICLE LOAD: 20,000 POUNDS (H10 DESIGN VEHICLE)
 - C) SOIL SURCHARGE (FOR APPROACH RAMPS, AS APPLICABLE)
3. WIND LOADS:
IN ACCORDANCE WITH AASHTO LRFD LTS AND FDOT STRUCTURES DESIGN GUIDELINES SECTIONS 2.4 AND 10.5.
4. THERMAL FORCES:
 - A) SEASONAL VARIATION FOR DESIGN:
TEMPERATURE RANGES IN ACCORDANCE WITH FDOT STRUCTURES DESIGN GUIDELINES SECTION 2.7.
MEAN TEMPERATURE: 70° F
 - B) CONCRETE THERMAL COEFFICIENT = 0.000006 PER DEGREE F
STEEL THERMAL COEFFICIENT = 0.0000065 PER DEGREE F
5. SEISMIC:
IN ACCORDANCE WITH FDOT STRUCTURES DESIGN GUIDELINES SECTION 2.3.

D. MATERIALS

1. CONCRETE:
ALL CONCRETE SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS SECTION 346 OR 347.

A) PROPERTIES:

CLASS	MIN. 28-DAY COMPRESSIVE STRENGTH (f'c) (PSI)	LOCATION OF CONCRETE IN STRUCTURE
II (BRIDGE DECK)	4,500	C.I.P. CONCRETE SUPERSTRUCTURE
IV	5,500	C.I.P. CONCRETE SUBSTRUCTURE
NS	2,500	C.I.P. CONCRETE GRAVITY WALLS

NOTE: DESIGN MODULUS OF ELASTICITY BASED ON FLORIDA LIMEROCK AGGREGATE.

- B) PROVIDE $\frac{3}{4}$ " CHAMFERS ON ALL EXPOSED EDGES EXCEPT AS OTHERWISE NOTED.
- C) INTENTIONALLY ROUGHEN CONSTRUCTION JOINTS TO AN AMPLITUDE OF $\frac{1}{4}$ ".

2. REINFORCING STEEL:

- A) ALL REINFORCING SHALL BE ASTM A615, GRADE 60.
- B) UNLESS NOTED OTHERWISE, REINFORCING STEEL LAP SPLICES SHALL BE AS FOLLOWS:
#5 = 21"
- C) ALL DIMENSIONS PERTAINING TO THE LOCATION OF REINFORCING ARE TO THE CENTERLINE OF BAR EXCEPT WHERE THE CLEAR DIMENSION IS SHOWN TO THE FACE OF CONCRETE.
- D) U.N.O. DENOTES "UNLESS NOTED OTHERWISE"
E.F. DENOTES "EACH FACE"
F.F. DENOTES "FRONT FACE"
B.F. DENOTES "BACK FACE"
FFBW DENOTES "FRONT FACE OF BACKWALL"
E. DENOTES "EXPANSION BEARING"
F. DENOTES "FIXED BEARING"
C.I.P. DENOTES "CAST IN PLACE"
- E) CONCRETE COVERS SHALL BE:
 - SUPERSTRUCTURE C.I.P. (DECK & APPROACH SLABS/RAMPS): 2 IN.
 - SUBSTRUCTURE C.I.P. (BOT. OF FOOTINGS, CAST AGAINST EARTH): 4 IN.
 - SUBSTRUCTURE C.I.P. (TOP OF PEDESTALS): 2 IN.
 - SUBSTRUCTURE C.I.P. (ALL OTHER SURFACES): 3 IN.
- F) CONCRETE COVER SHOWN IN THE PLANS DOES NOT INCLUDE REINFORCEMENT PLACEMENT AND FABRICATION TOLERANCES UNLESS SHOWN AS "MINIMUM COVER". SEE FDOT STANDARD SPECIFICATIONS FOR ALLOWABLE REINFORCEMENT PLACEMENT TOLERANCES.

E. ENVIRONMENTAL CLASSIFICATION

SUPERSTRUCTURE: SLIGHTLY AGGRESSIVE
SUBSTRUCTURE: CONCRETE = SLIGHTLY AGGRESSIVE
RESISTIVITY = 26,000 OHM-CM
CHLORIDES = 45 PPM
SULFATES = <6 PPM
STEEL = SLIGHTLY AGGRESSIVE
PH = 8.0

F. SURFACE FINISH

1. ALL EXPOSED SURFACES OF THE FOLLOWING SHALL RECEIVE A "CLASS 5 APPLIED FINISH COATING" AND ANTI-GRAFFITI COATING:
INSIDE FACE, OUTSIDE FACE, TOP OF WALL/WALL CAP/ABUTMENT.
2. TOP OF WALKWAY/APPROACH SHALL MEET THE REQUIREMENTS OF FDOT INDEX 522-001.

G. SCREEDING OF APPROACH SLABS AND DECK SLABS

THE SURFACE SHALL BE SCREEDED TO THE FINISH GRADE ELEVATIONS WHICH ALREADY INCLUDES ALLOWANCE FOR CAMBER.

H. JOINTS IN CONCRETE

CONSTRUCTION JOINTS WILL BE PERMITTED ONLY AT LOCATIONS INDICATED ON THE PLANS. ADDITIONAL CONSTRUCTION JOINTS OR ALTERATIONS TO THOSE SHOWN SHALL REQUIRE APPROVAL OF THE ENGINEER.

I. PLAN DIMENSIONS

ALL DIMENSIONS ARE MEASURED IN FEET AND INCHES. ALL ELEVATIONS ARE GIVEN IN FEET.

J. FOUNDATION

1. ALL FOUNDATION ELEMENTS AND PROCEDURES SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION SECTION 455.
2. THE CONTRACTOR SHALL PLACE AND COMPACT ALL BACKFILL IN ACCORDANCE WITH THE FDOT STANDARD SPECIFICATIONS.

K. BRIDGE FLOOR GROOVING SHALL NOT BE REQUIRED.

L. UTILITIES

THE UTILITIES SHOWN IN THE BRIDGE PLANS ARE AT APPROXIMATE LOCATIONS. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION PRIOR TO CONSTRUCTION.

M. CONTRACTOR SHALL NOTIFY "SUNSHINE STATE ONE-CALL" (1-800-432-4770) AT LEAST 72 HOURS BEFORE EXCAVATING. CONTRACTOR IS REQUIRED TO UPDATE LOCATES MONTHLY DURING CONTRACT TERM.

N. EXISTING STRUCTURES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF LOCATIONS AND DIMENSIONS OF EXISTING STRUCTURES PRIOR TO PROPOSED CONSTRUCTION AS SHOWN IN THE PLANS.
2. ANY DAMAGE TO EXISTING STRUCTURES DURING PROPOSED CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
3. THE CONTRACTOR SHALL EVALUATE THE NEED FOR TEMPORARY SUPPORT OF EXCAVATION ADJACENT TO THE EXISTING STRUCTURE FOR THE CONSTRUCTION OF THE ABUTMENTS AND GRAVITY WALLS. IF TEMPORARY SUPPORT OF EXCAVATION IS DETERMINED TO BE REQUIRED, THE CONTRACTOR SHALL INCLUDE THE COST FOR THIS WORK IN THEIR BID.

O. CONTRACTOR DESIGNED SUPERSTRUCTURE

1. THE DESIGN AND DETAILING OF THE PREFABRICATED STEEL TRUSS SUPERSTRUCTURE IS THE RESPONSIBILITY OF THE CONTRACTOR'S ENGINEER OF RECORD. THIS INCLUDES THE DESIGN AND DETAILING OF THE PREFABRICATED STEEL TRUSS SUPERSTRUCTURE AS WELL AS ALL BRIDGE JOINTS, BEARING ASSEMBLIES, ANCHOR BOLTS AND ANCHOR BOLT EMBEDMENTS. THE PREFABRICATED STEEL TRUSS SHALL BE DESIGNED AND DETAILED TO ACCOMMODATE THE SUBSTRUCTURE GEOMETRY SHOWN HEREIN.
2. PRIOR TO FABRICATION, THE CONTRACTOR'S ENGINEER OF RECORD SHALL SUBMIT SIGNED AND SEALED SUPERSTRUCTURE SHOP DRAWINGS, TECHNICAL SPECIFICATIONS, AND CALCULATIONS TO THE ENGINEER FOR REVIEW AND APPROVAL. THE REVIEW AND APPROVAL WILL BE FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH STANDARD DESIGN AND CONSTRUCTION SPECIFICATIONS AND THE INFORMATION IN VHB'S DOCUMENTS. THE SUBMITTAL WILL ALSO BE FORWARDED BY THE COUNTY TO D5-CONSTRUCTION AND CENTRAL OFFICE FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL NOT BEGIN WORK PRIOR TO RECEIVING APPROVAL.

P. PROPOSED GRADING

UNLESS NOTED OTHERWISE, DISTURBED GROUND ELEVATIONS SHALL BE RESTORED TO EXISTING CONDITIONS.

Q. SEE GENERAL NOTES SHEET IN THE ROADWAY PLANS FOR ADDITIONAL PROJECT NOTES.

R. TWO WEEKS PRIOR TO COMPLETION OF THE PROJECT, CONTACT THE ENGINEER TO SCHEDULE AN INSPECTION.

S. DATUM

ELEVATIONS SHOWN HEREIN ARE BASED ON N.G.V.D. 1929 DATUM. REFERENCE BENCHMARK IS 05-80, ELEVATION = 61.29.

REVISIONS

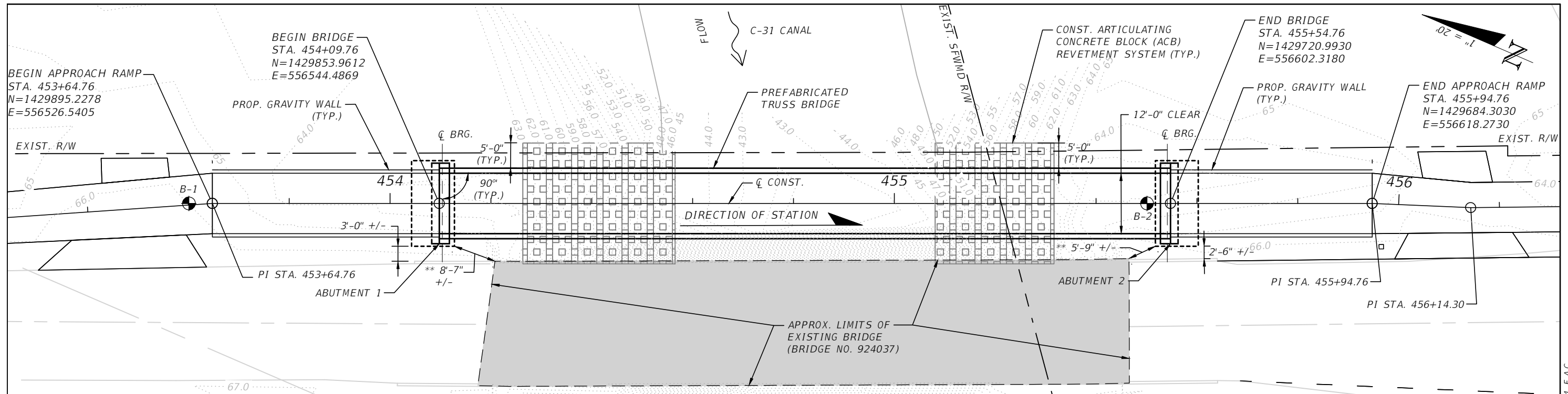
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Kenneth B. Ray, P.E.
PE # 74776



Drawn By: FIS	OSCEOLA COUNTY FLORIDA		SHEET TITLE: GENERAL NOTES	REF. DWG. NO.
Checked By: KBR	COUNTY	PROJECT ID	PROJECT NAME: LAKESHORE BOULEVARD PEDESTRIAN BRIDGE	SHEET NO. B1-01
Designed By: KCD	OSCEOLA	437474-1-58-01		
Checked By: KBR				

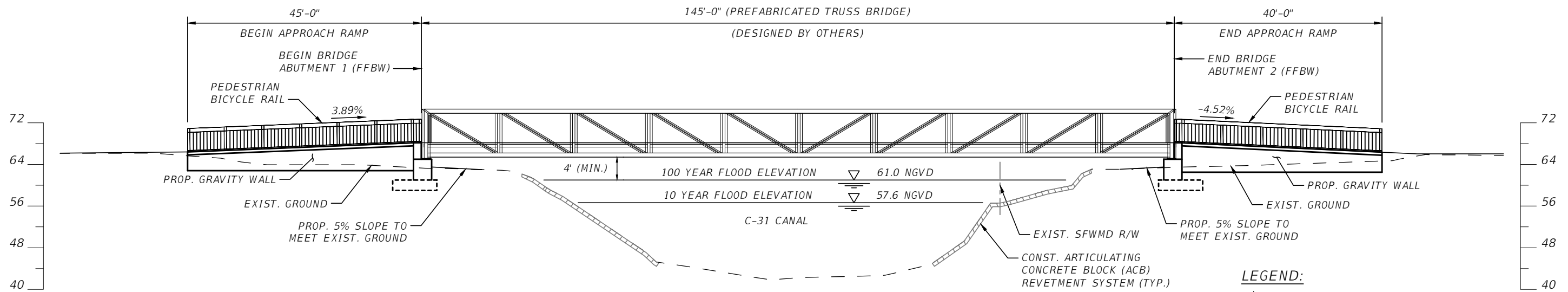


NOTES:

1. THE LIMITS OF THE ARTICULATING CONCRETE BLOCK (ACB) TO BE INSTALLED SHALL EXTEND 5 FEET BEYOND THE LEFT COPING/EDGE AND 5 FEET BEYOND THE RIGHT COPING/EDGE OF THE PROPOSED PEDESTRIAN BRIDGE, AS SHOWN. FOR BIDDING PURPOSES, THE APPROXIMATE TOTAL WIDTH SHALL BE 24 FEET AND EXTEND FROM TOP OF BANK (ELEV. 63.0) TO BOTTOM OF CHANNEL (ELEV. 45.0).
2. ADDITIONAL ARTICULATING CONCRETE BLOCK (ACB) DETAILS ARE SHOWN ON SHEET DT-1.
3. CONTRACTOR SHALL FLANK/TOE-IN ENTIRE PERIMETER OF THE ARTICULATING CONCRETE BLOCK (ACB) SLOPE PROTECTION.

PLAN
SCALE: 1" = 20'

**APPROXIMATE STRAIGHT LINE DIMENSION FROM EXISTING BRIDGE ABUTMENT TO PROPOSED PEDESTRIAN BRIDGE FOOTING



ELEVATION
SCALE: 1" = 20'

LEGEND:

⊙ - APPROXIMATE SOIL BORING LOCATION

NOTE:

FOR LINE AND CURVE DATA OF \mathbb{R} SEE PROJECT LAYOUT SHEET IN TRAIL PLANS.

REVISIONS			
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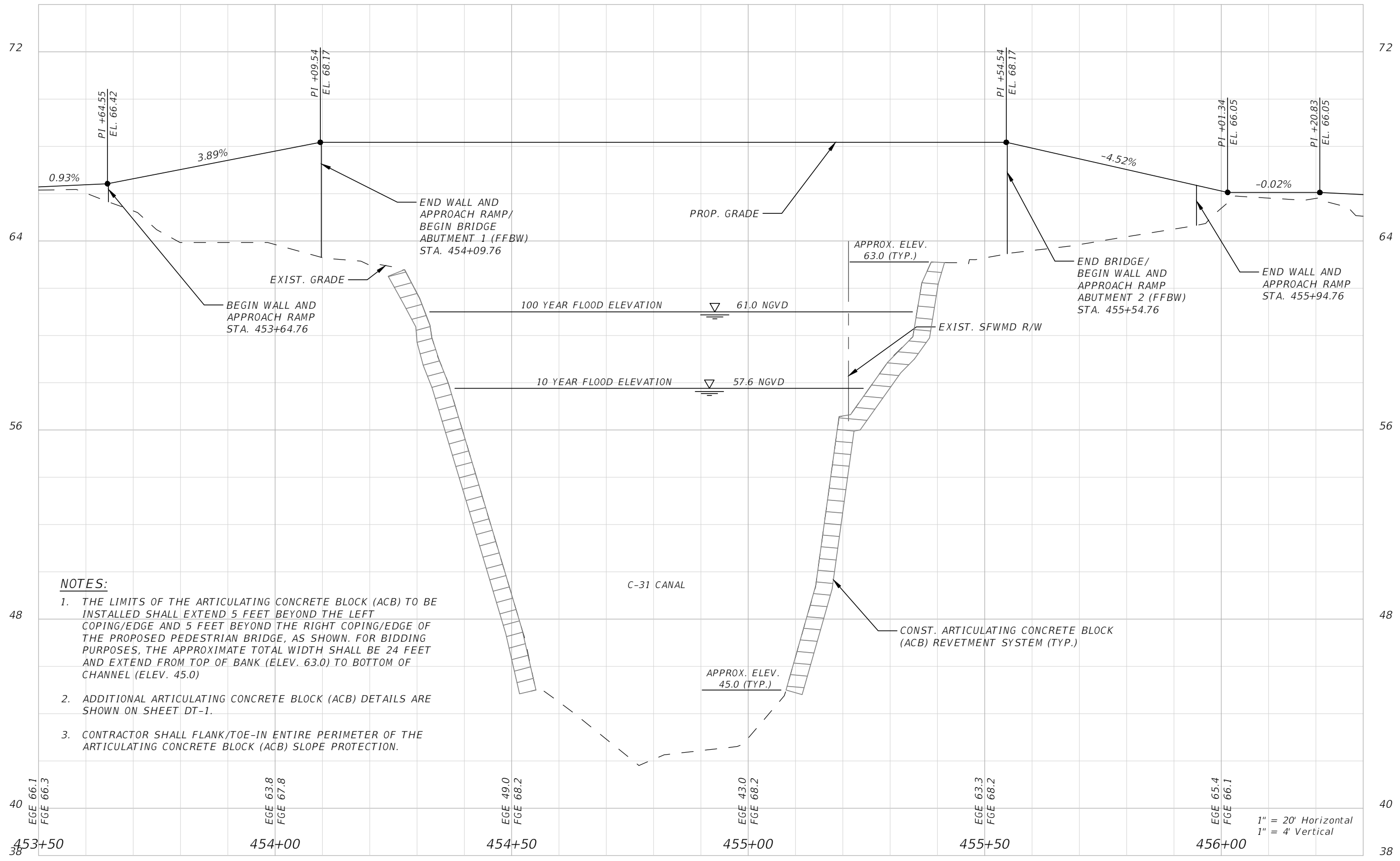
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Drawn By: FIS	OSCEOLA COUNTY FLORIDA	
Checked By: KBR	COUNTY	PROJECT ID
Designed By: KCD	OSCEOLA	437474-1-58-01
Checked By: KBR		

SHEET TITLE: PLAN AND ELEVATION	REF. DWG. NO.
PROJECT NAME: LAKESHORE BOULEVARD PEDESTRIAN BRIDGE	SHEET NO. B1-02

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NOTES:

1. THE LIMITS OF THE ARTICULATING CONCRETE BLOCK (ACB) TO BE INSTALLED SHALL EXTEND 5 FEET BEYOND THE LEFT COPING/EDGE AND 5 FEET BEYOND THE RIGHT COPING/EDGE OF THE PROPOSED PEDESTRIAN BRIDGE, AS SHOWN. FOR BIDDING PURPOSES, THE APPROXIMATE TOTAL WIDTH SHALL BE 24 FEET AND EXTEND FROM TOP OF BANK (ELEV. 63.0) TO BOTTOM OF CHANNEL (ELEV. 45.0)
2. ADDITIONAL ARTICULATING CONCRETE BLOCK (ACB) DETAILS ARE SHOWN ON SHEET DT-1.
3. CONTRACTOR SHALL FLANK/TOE-IN ENTIRE PERIMETER OF THE ARTICULATING CONCRETE BLOCK (ACB) SLOPE PROTECTION.

1" = 20' Horizontal
1" = 4' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



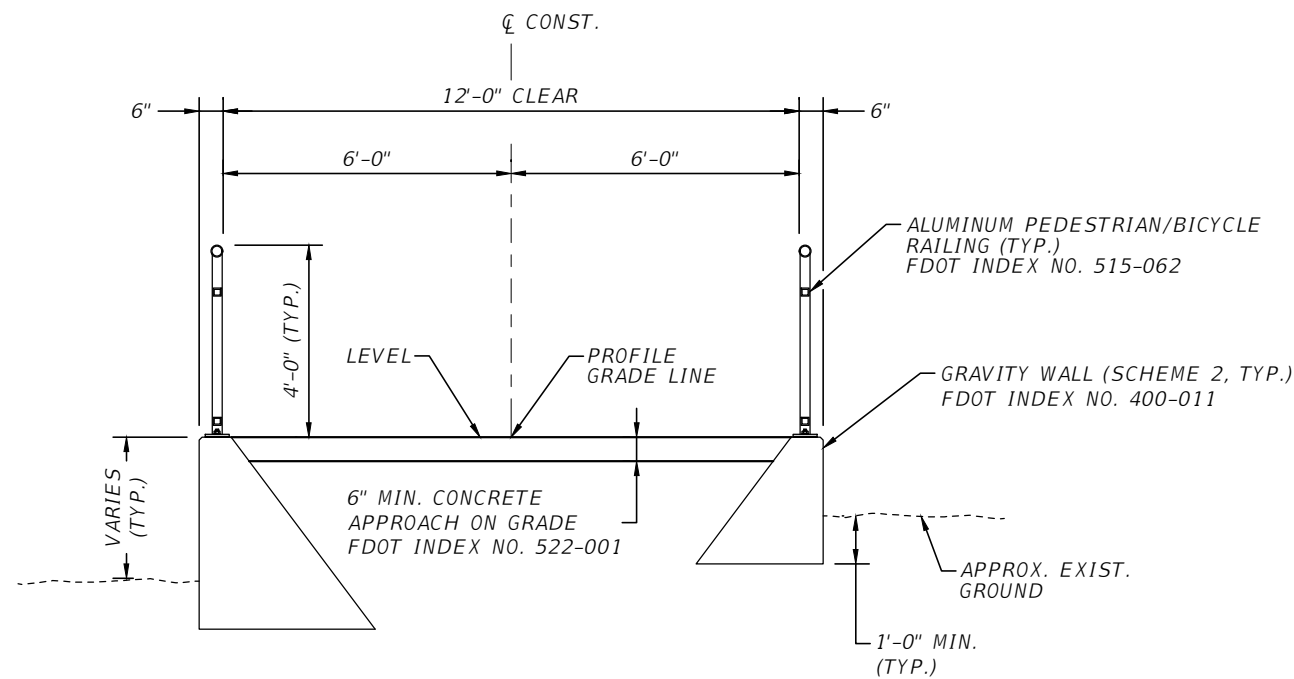
Engineers | Scientists
Planners | Designers
225 E. Robinson Street, Suite 300
Orlando, FL 32801 (407)839-4006
Certificate of Authorization # 3932
Kenneth B. Ray, P.E.
PE # 74776



Drawn By: FIS	OSCEOLA COUNTY FLORIDA	
Checked By: KBR	COUNTY	PROJECT ID
Designed By: BOM	OSCEOLA	437474-1-58-01
Checked By: KBR	3/18/2021 1:21 PM	

SHEET TITLE: PROFILE AND FINISH GRADE ELEVATIONS	REF. DWG. NO.
PROJECT NAME: LAKESHORE BOULEVARD PEDESTRIAN BRIDGE	SHEET NO. B1-03

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TYPICAL SECTION - CONCRETE APPROACH ON GRAVITY WALL

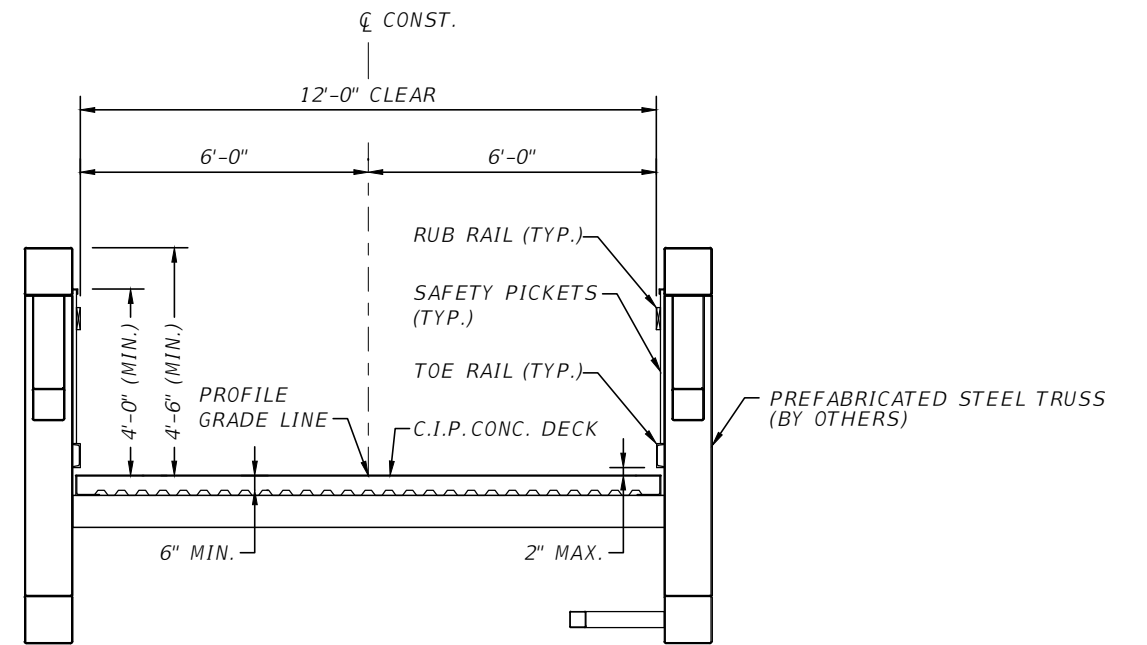
STA. 453+64.76 TO STA. 454+09.76
 STA. 455+54.76 TO STA. 455+94.76

SCALE: 1/4"=1'-0"

APPROACH GRAVITY WALL NOTES:

1. TYPICAL SECTION WILL BE "CONCRETE APPROACH ON GRAVITY WALL". FOR GRAVITY WALL LAYOUT, SEE SHEET B1-02.
2. FOR LINE AND CURVE DATA, SEE TRAIL PLANS.
3. FOR RETAINING WALL SOIL PARAMETERS, SEE TABLE BELOW.

RETAINING WALL SOIL PARAMETERS	
FRICTION ANGLE (DEGREES)	32
MOIST UNIT WEIGHT (PCF)	110
BUOYANT UNIT WEIGHT (PCF)	50
ANGLE OF WALL FRICTION (DEGREES)	16





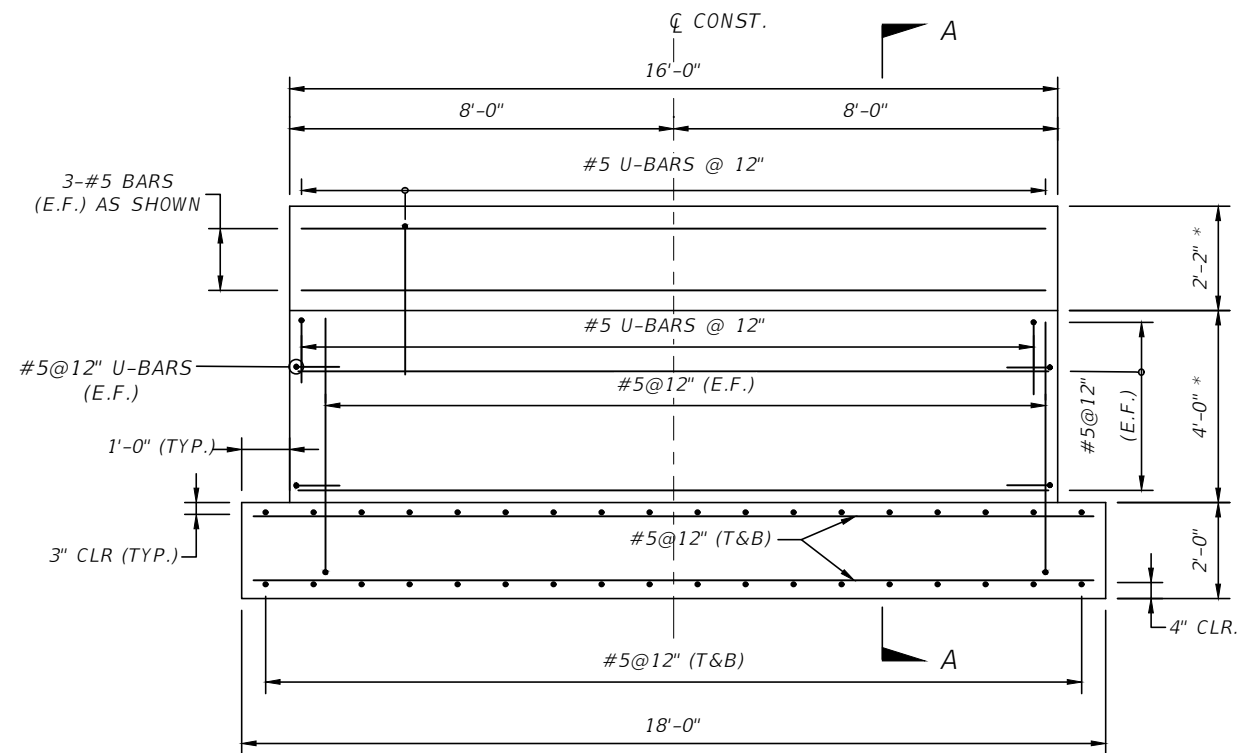
**TYPICAL SECTION
 PREFABRICATED STEEL TRUSS BRIDGE**

SCALE: 1/4"=1'-0"

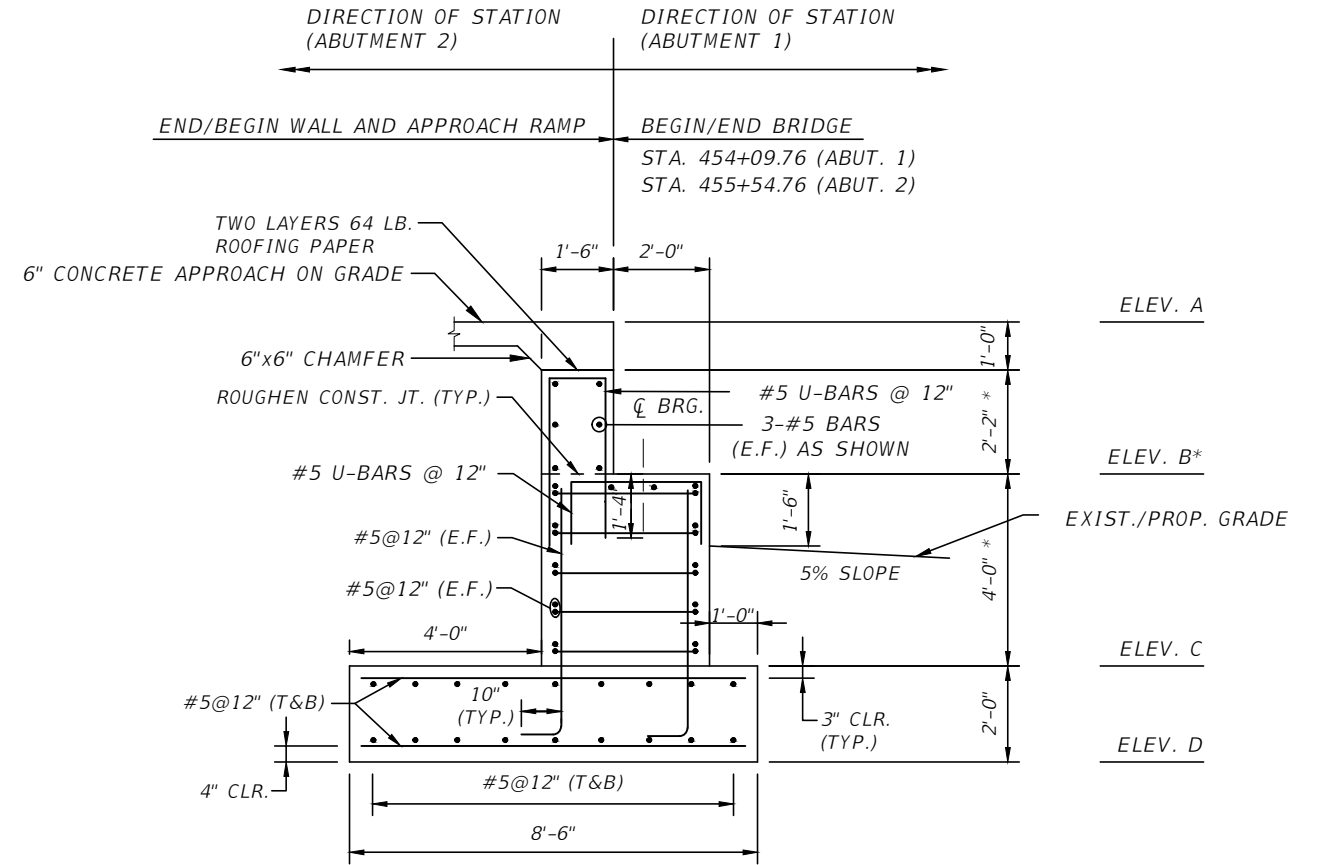
PREFABRICATED BRIDGE REACTIONS			
	P (KIP)	T (KIP)	L (KIP)
DEAD LOAD	64.3	—	—
UNIFORM LIVE LOAD	41.3	—	—
VEHICLE LOAD	10.0	—	—
WIND UPLIFT	-15.6	—	—
WIND ³	TRANSVERSE	—	48.6
	VERTICAL ↑↓	±18.5	—
THERMAL	—	—	9.6

1. P - UNFACTORED VERTICAL LOAD EACH BEARING PLATE (4 PER SPAN)
 T - UNFACTORED TRANSVERSE LOAD EACH BENT/PIER (2 PER SPAN)
 L - UNFACTORED LONGITUDINAL LOAD EACH BEARING PLATE (4 PER SPAN)
2. DOWNWARD VERTICAL LOADS ARE POSITIVE (+), UPWARD VERTICAL LOADS ARE NEGATIVE (-).
3. THE HORIZONTAL WIND LOAD ACTING AT THE C.G. OF THE TRUSS CREATES A TRANSVERSE SHEAR AND A VERTICAL COUPLE AT THE TOP OF EACH PIER/BEARING LOCATION.
4. THE REACTIONS PROVIDED ON THE TABLE ABOVE ARE THE CONTROLLING REACTIONS PROVIDED BY PREFABRICATED TRUSS MANUFACTURERS. ALL REACTIONS DUE TO WIND ARE BASED ON THE 150 MPH WIND SPEED.

REVISIONS				 Engineers Scientists Planners Designers 225 E. Robinson Street, Suite 300 Orlando, FL 32801 (407)839-4006 Certificate of Authorization # 3932 Kenneth B. Ray, P.E. PE # 74776		Drawn By:	OSCEOLA COUNTY FLORIDA		SHEET TITLE:	REF. DWG. NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			FIS	COUNTY	PROJECT ID	TYPICAL SECTIONS	
						KBR	OSCEOLA	437474-1-58-01	LAKESHORE BOULEVARD PEDESTRIAN BRIDGE	
						KCD				SHEET NO. B1-04
						KBR				

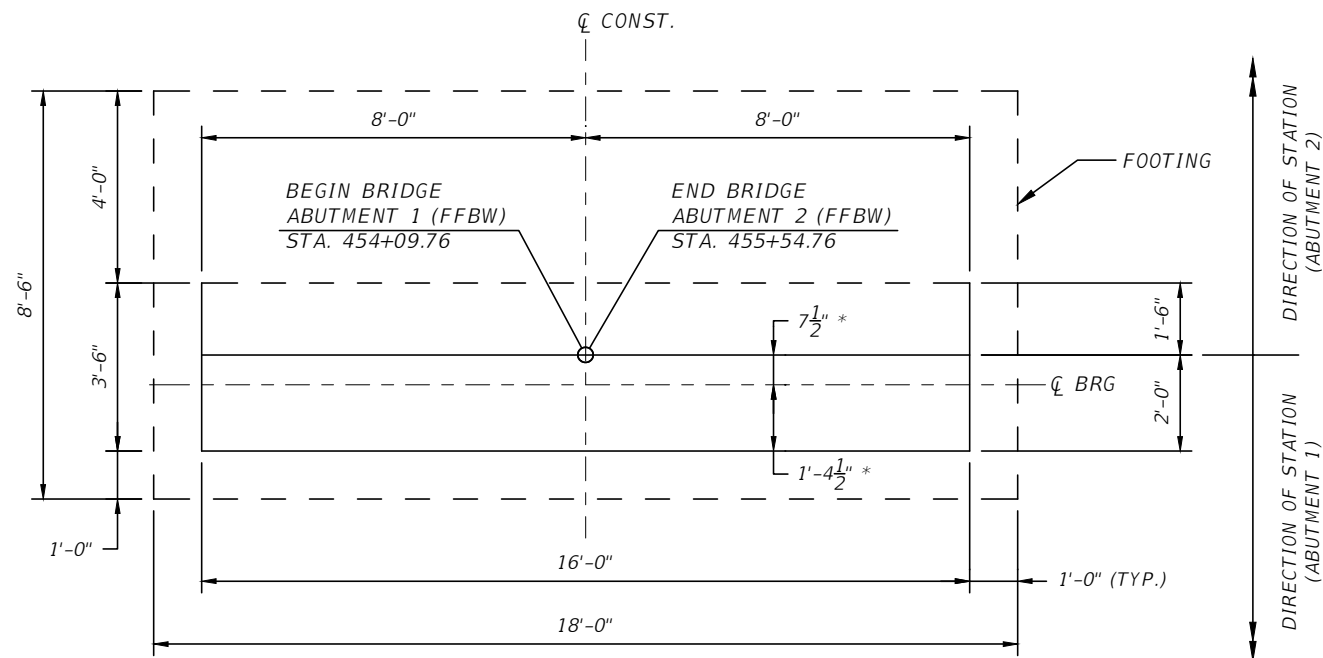


TYPICAL ABUTMENT ELEVATION
SCALE: 1/4"=1'-0"



SECTION A-A
SCALE: 1/4"=1'-0"

* DIMENSIONS SHALL BE VERIFIED AGAINST THE APPROVED SUPERSTRUCTURE SHOP DRAWINGS AND ANY ADJUSTMENTS SHALL BE COORDINATED PRIOR TO CONSTRUCTING THE ABUTMENT.



TYPICAL ABUTMENT PLAN
SCALE: 1/4"=1'-0"

ABUTMENT ELEVATIONS				
LOCATION	ELEV. A	ELEV. B*	ELEV. C	ELEV. D
ABUT. 1	68.17	65.00	61.00	59.00
ABUT. 2	68.17	65.00	61.00	59.00

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND DETAILING OF THE PREFABRICATED STEEL TRUSS SUPERSTRUCTURE AND ASSOCIATED COMPONENTS. SEE "CONTRACTOR DESIGNED SUPERSTRUCTURE" NOTES ON THE GENERAL NOTES SHEET B1-01.
2. THE FACTORED BEARING CAPACITY IS 5.47 KSF AT THE SERVICE I LIMIT STATE, 5.54 KSF AT THE STRENGTH I LIMIT STATE, AND 6.20 KSF AT THE STRENGTH III LIMIT STATE, AS INDICATED IN THE GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. GEOTECHNICAL REPORT DATED AUGUST 21, 2020.
3. SEE PROPOSED GRADING NOTE ON SHEET B1-01.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

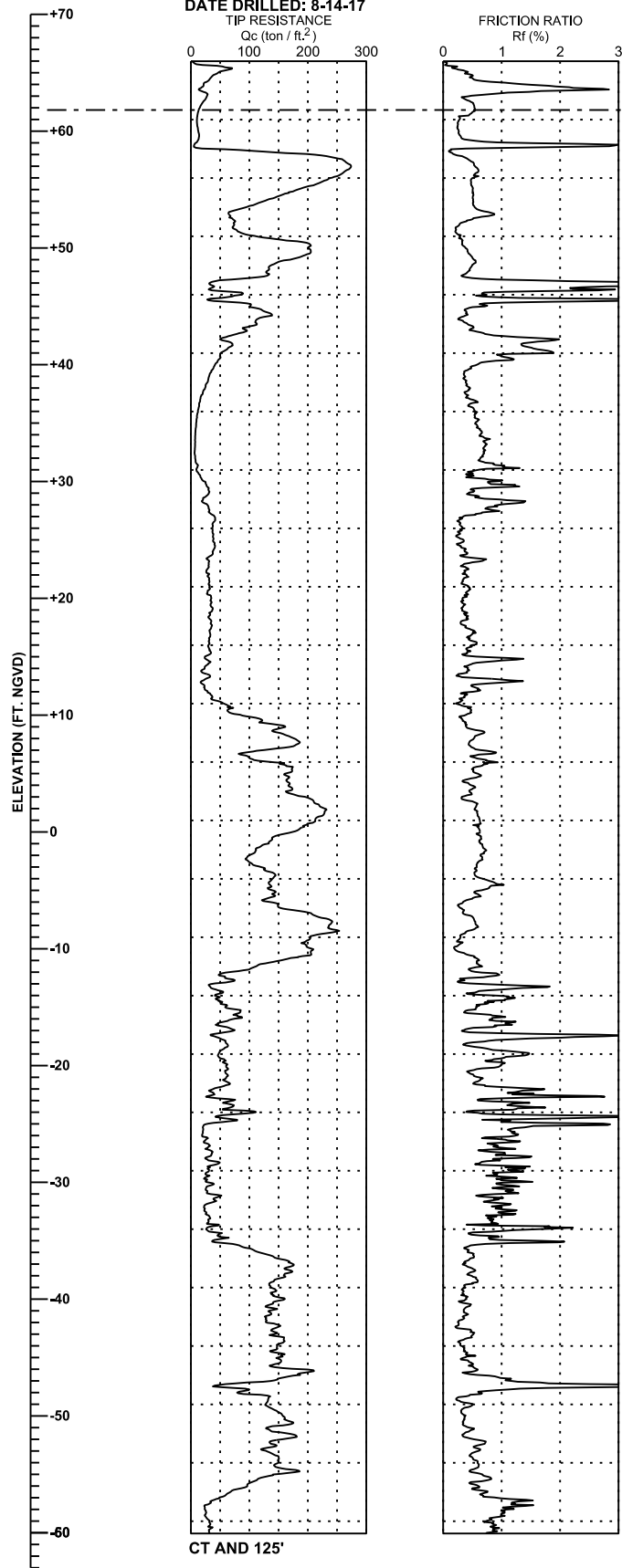
vhb
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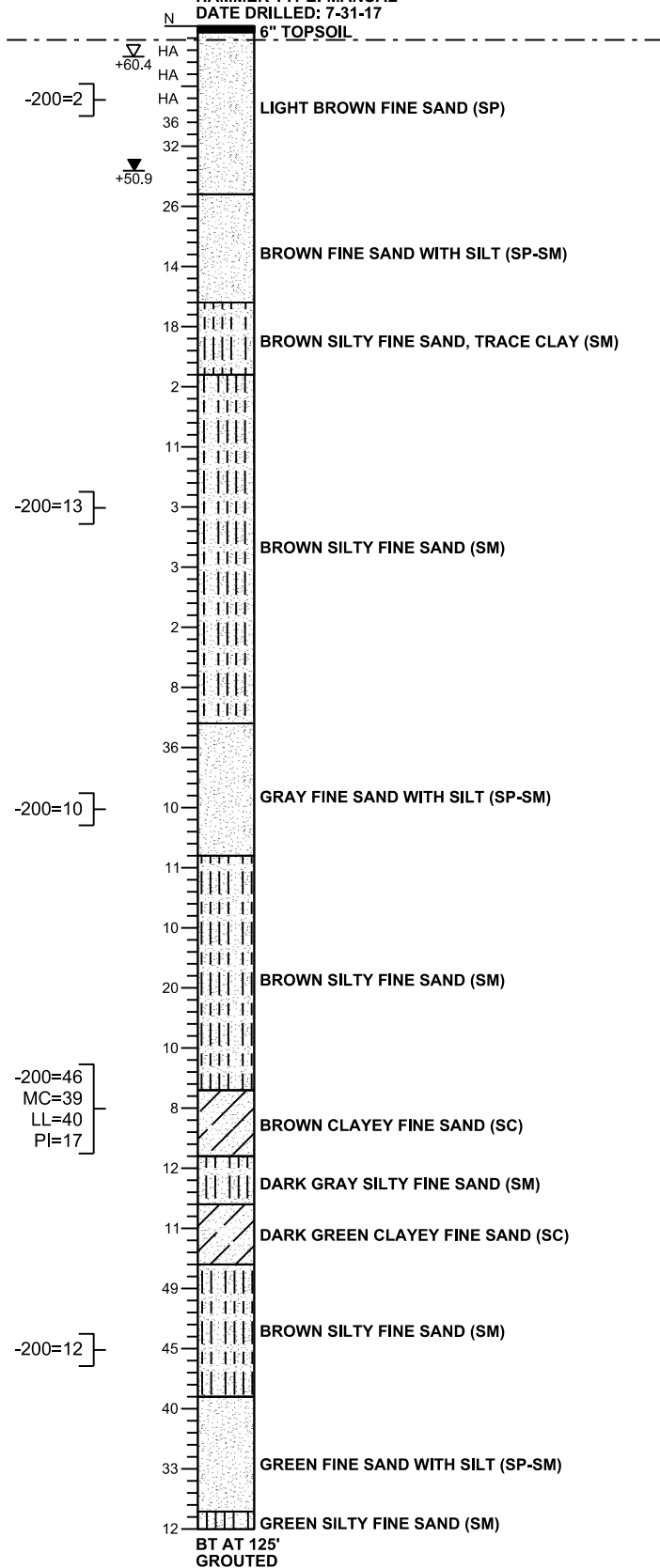
Drawn By: FIS	OSCEOLA COUNTY FLORIDA	
Checked By: KBR	COUNTY	PROJECT ID
Designed By: KCD	OSCEOLA	437474-1-58-01
Checked By: KBR		

SHEET TITLE: ABUTMENT DETAILS	REF. DWG. NO.
PROJECT NAME: LAKESHORE BOULEVARD PEDESTRIAN BRIDGE	SHEET NO. B1-05

B-1
 STA. 453+60, C/L
 LAT: N28.26696
 LONG: W81.30955
 GSE: +66.0
 DATE DRILLED: 8-14-17

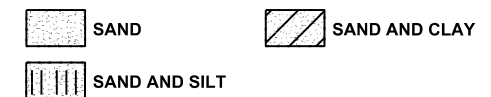


B-2
 STA. 455+50, C/L
 LAT: N28.26649
 LONG: W81.30929
 GSE: +62.9
 HAMMER TYPE: MANUAL
 DATE DRILLED: 7-31-17



LEGEND

- GSE GROUND SURFACE ELEVATION (FT. NGVD)
- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- HA HAND AUGERED FOR UTILITY CLEARANCE
- ▽ ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NGVD)
- ▽ ENCOUNTERED GROUNDWATER ELEVATION (FT. NGVD)
- BT BORING TERMINATED AT DEPTH INDICATED
- CT CONE TERMINATED AT DEPTH INDICATED
- - - 100 YEAR STORM EVENT (+61.9 FT. NGVD)
- 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
- MC= PERCENT NATURAL MOISTURE CONTENT
- LL= LIQUID LIMIT
- PI= PLASTICITY INDEX



GENERAL NOTES

SUBSURFACE CONDITIONS SHOWN ON THE BORING AND SOUNDING REPRESENT THE CONDITIONS ENCOUNTERED AT THE BORING AND SOUNDING LOCATIONS. ACTUAL CONDITIONS BETWEEN THE BORING AND SOUNDING MAY VARY FROM THOSE SHOWN. UNIFIED SOIL CLASSIFICATIONS SHOWN ON THE BORING 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.

THE CPT SOUNDING WAS PERFORMED IN ACCORDANCE WITH ASTM D 3441-79.

BASED ON REVIEW OF THE FDEP SEPTEMBER 2016 POTENTIOMETRIC CONTOURS FOR THE PROJECT AREA, THE ELEVATION OF THE ARTESIAN HEAD IS ESTIMATED TO BE APPROXIMATELY +46 FT. NGVD. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN HEAD LEVELS UP TO +46 FT. NGVD.

BORING AND SOUNDING LOCATIONS WERE SURVEYED BY JOHNSTON'S SURVEYING, INC. FOR HORIZONTAL AND VERTICAL CONTROL.

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

ENVIRONMENTAL CLASSIFICATION:
 SUPERSTRUCTURE: SLIGHTLY AGGRESSIVE
 SUBSTRUCTURE:
 STEEL: SLIGHTLY AGGRESSIVE (pH=7.2)
 CONCRETE: SLIGHTLY AGGRESSIVE (pH=7.2)

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

MANUAL HAMMER (SAFETY)		
GRANULAR SOILS	N VALUE (blows per foot)	RELATIVE DENSITY
SANDS	0-4	VERY LOOSE
	4-10	LOOSE
	10-30	MEDIUM DENSE
	30-50	DENSE
	OVER 50	VERY DENSE
MANUAL HAMMER (SAFETY)		
NON-GRANULAR SOILS	N VALUE (blows per foot)	CONSISTENCY
SILTS, CLAYS, MUCK, PEAT	0-2	VERY SOFT
	2-4	SOFT
	4-8	FIRM
	8-15	STIFF
	15-30	VERY STIFF
	OVER 30	HARD

SECTIONS: 33, 34
 TOWNSHIP: 25 SOUTH
 RANGE: 30 EAST

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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



Drawn By: SKR
 Checked By: GPB
 Designed By: GPB
 Checked By: CPM

OSCEOLA COUNTY
 FLORIDA

COUNTY PROJECT ID
 OSCEOLA

SHEET TITLE:
 REPORT OF CPT AND SPT RESULTS

PROJECT NAME:
 FORTUNE ROAD / LAKESHORE BOULEVARD
 MULTI-USE TRAIL

REF. DWG. NO.
 SHEET NO.
 B1-06

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