COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS
SIGNALIZATION PLANS

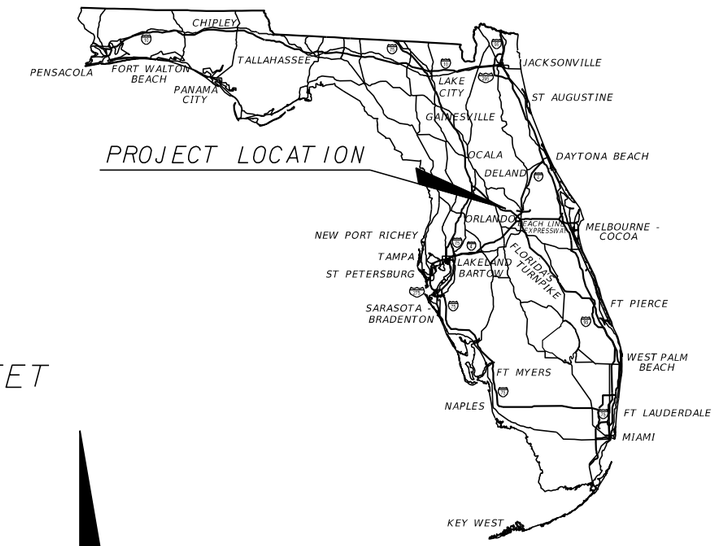
LAKE COUNTY, FL
REAL FLORIDA · REAL CLOSE

CONTRACT PLANS

FINANCIAL PROJECT ID 441781-1-58-01

HARTWOOD MARSH ROAD - PHASE 1
FROM SR 25 (US 27) TO REGENCY HILLS DR/CAPLOCK STREET

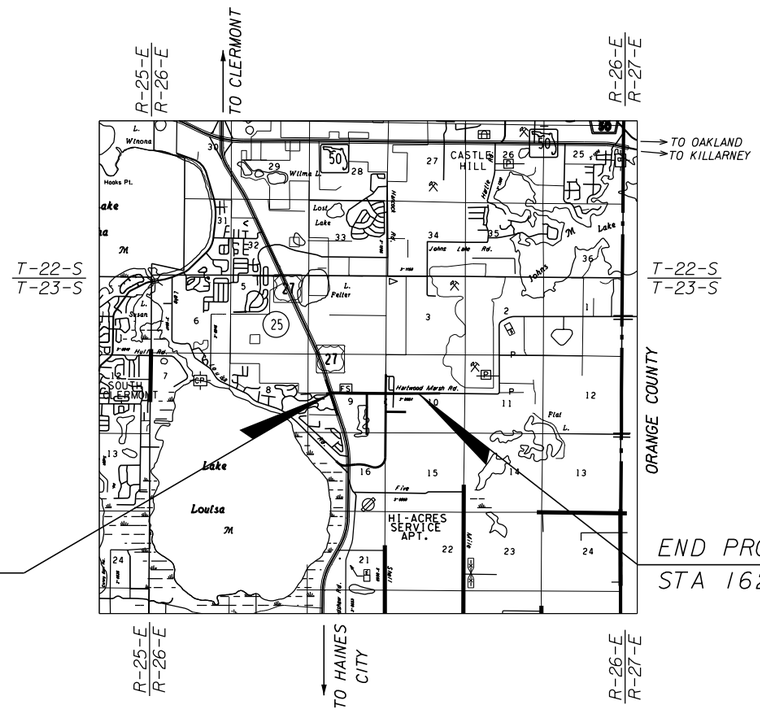
THIS PROJECT TO BE LET TO CONTRACT WITH PLANS TITLED "HARTWOOD MARSH ROAD UTILITY ADJUSTMENT PLANS" PREPARED BY HALFF ASSOCIATES, INC.

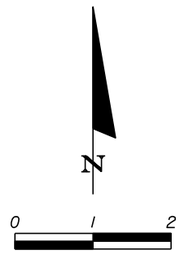


PROJECT LOCATION

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3-5	DRAINAGE MAPS
6-7	EXISTING DRAINAGE STRUCTURES DATA & BASIN AREAS
8-14	TYPICAL SECTIONS
15	DETAILS
16	PROJECT LAYOUT
17-19	PROJECT CONTROL
20-21	GENERAL NOTES
22-39	PLAN SHEETS
40-59	PROFILE SHEETS
60-65	INTERSECTION DETAILS
66-95	DRAINAGE STRUCTURE SECTIONS
96-99	POND DETAIL SHEETS
100-106	POND CROSS SECTIONS
107	ROADWAY SOIL SURVEY
108-111	POND SOIL SURVEY
112-166	ROADWAY CROSS SECTIONS
167-168	STORMWATER POLLUTION PREVENTION PLAN
169-170	EROSION & SEDIMENT CONTROL PLANS
171-199	TRAFFIC CONTROL PLANS
200-217	UTILITY ADJUSTMENTS PLANS
218	SIGNING & PAVEMENT MARKING GENERAL NOTES
219-235	SIGNING & PAVEMENT MARKING PLAN SHEETS
236-243	WALL CONTROL DRAWINGS





ROADWAY SHOP DRAWINGS TO BE SUBMITTED TO:

LAKE COUNTY PUBLIC WORKS DEPARTMENT
P.O. BOX. 7800
TAVARES, FLORIDA 32778

PLANS PREPARED BY:

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE: (407)704-7815

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

100% SUBMITTAL
SEPTEMBER 22, 2026

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY 2026-27 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

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

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY 2026-27 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/Implemented/SpecBooks

PROJECT LENGTH IS BASED ON ℄ OF CONSTRUCTION

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	5872.28	1.112
BRIDGES	0.00	0.000
NET LENGTH OF PROJECT	5872.28	1.112
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	5872.28	1.112

LAKE COUNTY PROJECT MANAGER: MICHAEL A. OLKA, P.E.

KEY SHEET REVISIONS	
DATE	DESCRIPTION

ROADWAY PLANS
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.

P.E. NO.: 40049

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
N/A	N/A	1

DBansal 9/22/2026 8:37:09 AM Y:\FDOT2010_PROJ\41561100001\roadway\KEYSRD01.DGN

RICHARD DEAN BOBLETZ
LICENSE
No 40049
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Richard Bobletz

Digitally signed by Richard Bobletz
DN: CN=Richard Bobletz, dnQualifier=A01410D000001 9CB473997A00055104, O=OM ENGINEERING SERVICES INCORPORATED, C=US
Date: 2026.09.22 16:27:38-04'00'

ON THE DATE ADJACENT TO THE SEAL

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
RICHARD DEAN BOBLETZ, P.E. NO. 40049

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

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
8-14	TYPICAL SECTIONS
15	DETAILS
16	PROJECT LAYOUT
17-19	PROJECT CONTROL
20-21	GENERAL NOTES
22-37	PLAN SHEETS
39	PLAN SHEET
40-59	PROFILE SHEETS
60-65	INTERSECTION DETAILS
112-166	ROADWAY CROSS SECTIONS
171-199	TRAFFIC CONTROL PLANS
200-217	UTILITY ADJUSTMENTS PLANS
218	SIGNING & PAVEMENT MARKING GENERAL NOTES
219-235	SIGNING & PAVEMENT MARKING PLAN SHEETS

DAVID RETLAW BORYS
LICENSE
No 75372
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

David R Borys

Digitally signed by David R Borys
DN: CN=David R Borys, dnQualifier=A01410D000001 9F3E12F599002BD46D, O=OM ENGINEERING SERVICES INCORPORATED, C=US
Reason: I am approving this document
Date: 2026.09.22 14:21:37-06'00'

ON THE DATE ADJACENT TO THE SEAL

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OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
DAVID R. BORYS, P.E., CFM P.E. NO. 75372

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

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
3-5	DRAINAGE MAPS
6-7	EXISTING DRAINAGE STRUCTURES DATA & BASIN AREAS
38	PLAN SHEET
66-95	DRAINAGE STRUCTURE SECTIONS
96-99	POND DETAIL SHEETS
100-106	POND CROSS SECTIONS
167-168	STORMWATER POLLUTION PREVENTION PLAN
169-170	EROSION & SEDIMENT CONTROL PLANS

DHRUV BANSAL
LICENSE
No 92007
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

DHRUV BANSAL

Digitally signed by DHRUV BANSAL
Date: 2026.09.22 09:55:36 -04'00'

ON THE DATE ADJACENT TO THE SEAL

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
DHRUV BANSAL P.E., P.E. NO. 92007

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

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
236-243	WALL CONTROL DRAWINGS

LUIS A. ALMODOVAR
LICENSE
No 93273
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Luis A Almodovar
2026.09.22
09:48:35-04'00'

ON THE DATE ADJACENT TO THE SEAL

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

TIERRA, INC.
591 SUSAN B. BRITT COURT
WINTER GARDEN, FLORIDA 34787
LUIS A. ALMODOVAR, P.E., P.E. NO. 93273

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

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
107	ROADWAY SOIL SURVEY
108-111	POND SOIL SURVEY

REVISIONS		
DATE	BY	DESCRIPTION

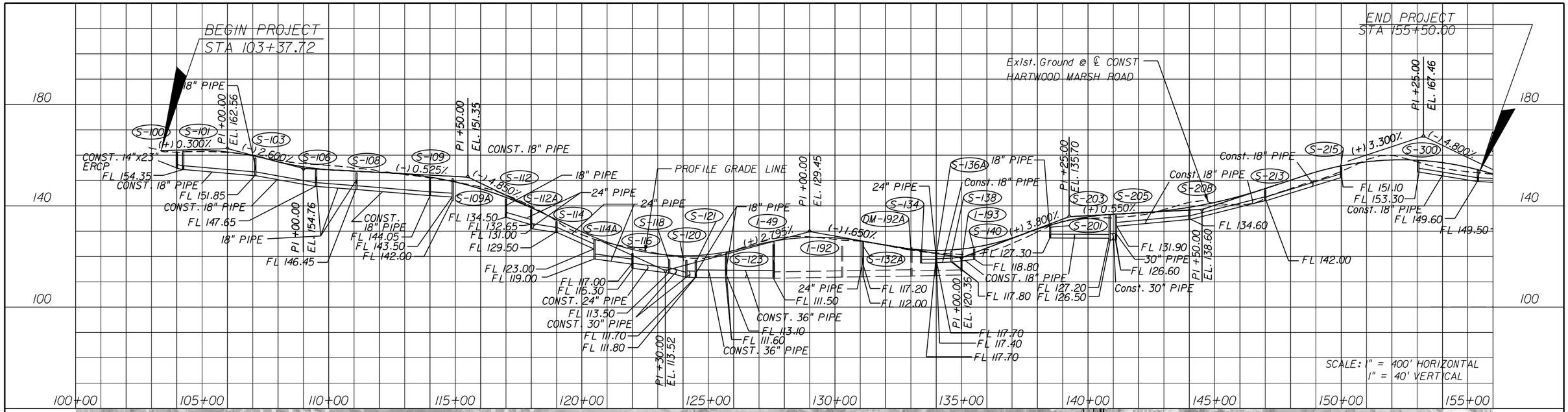
OM Engineering Services, Inc.
Civil • Structural • Inspections
OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

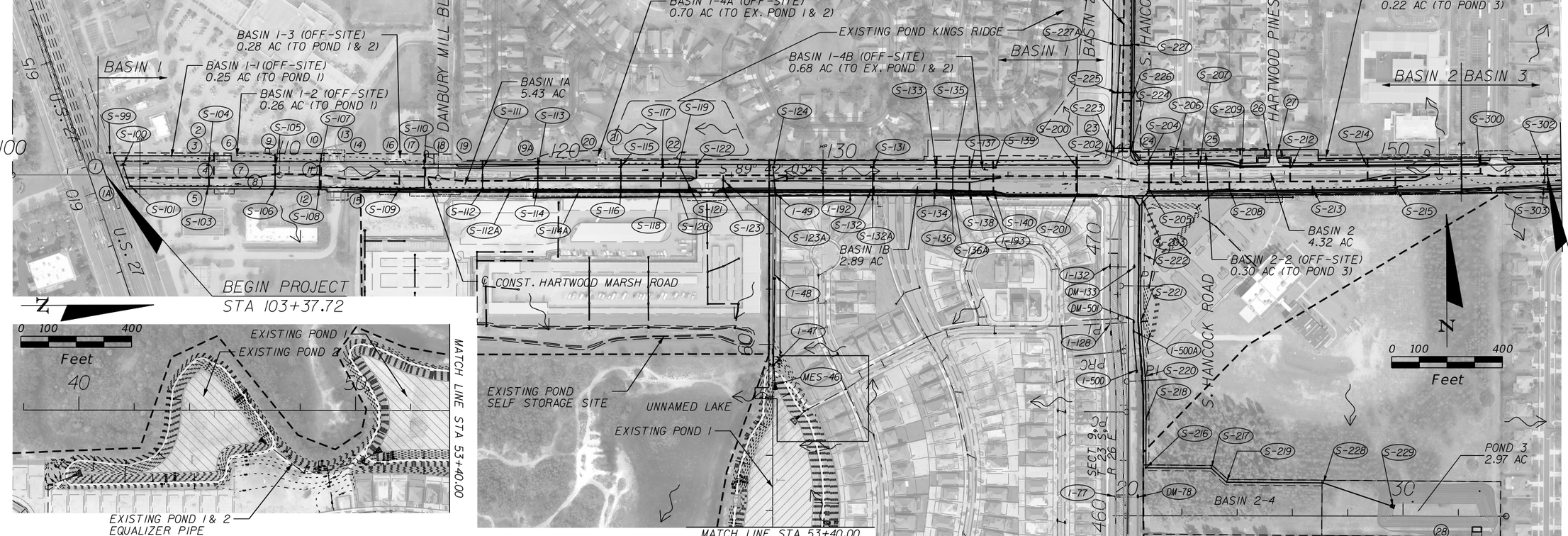
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

SIGNATURE SHEET

SHEET NO. 2





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REVISIONS		
DATE	BY	DESCRIPTION

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Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

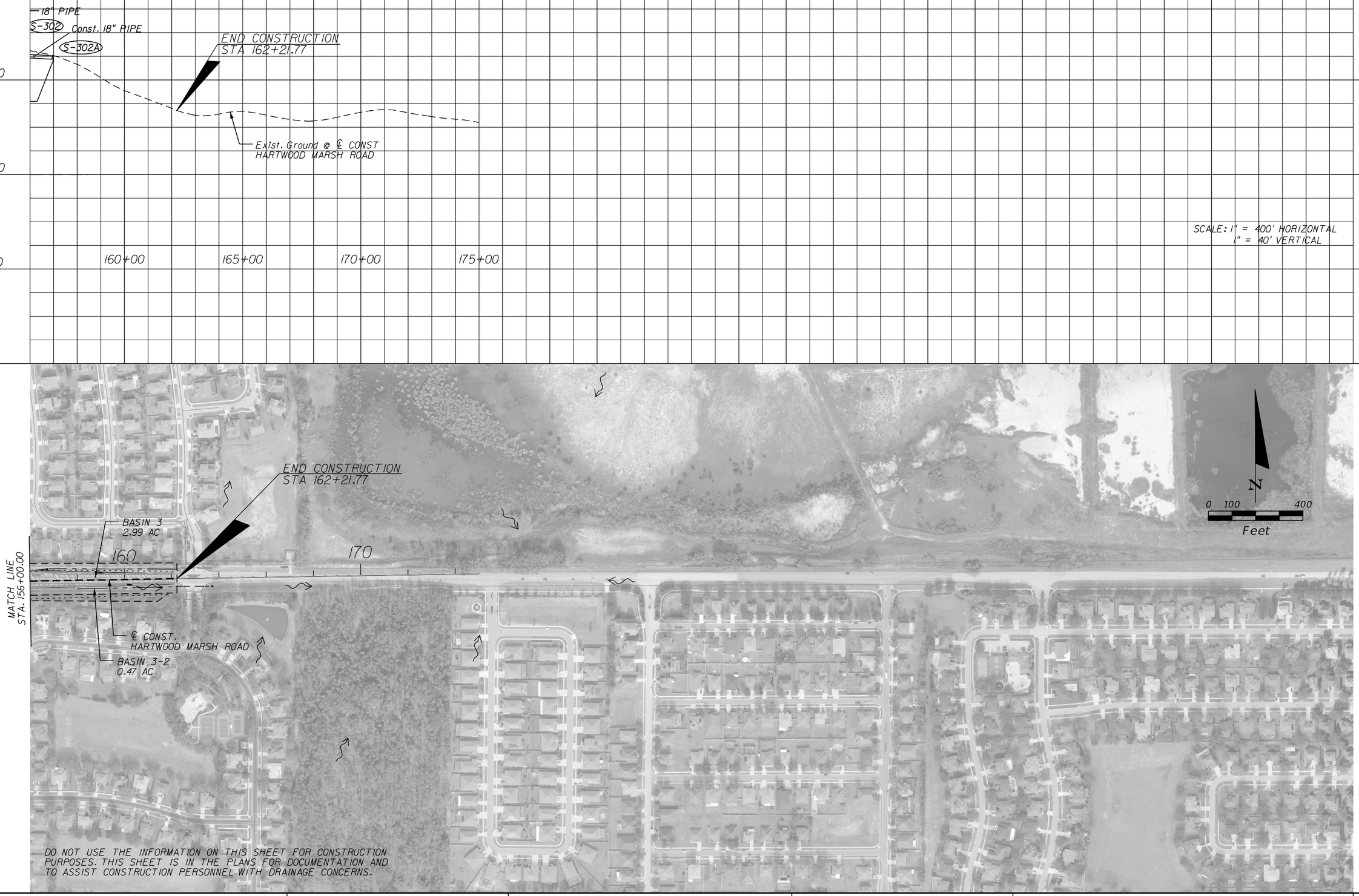
ENGINEER OF RECORD: DAVID R. BORYS, P.E., CFM
P.E. LICENSE NUMBER 75372

LAKE COUNTY, FL
REAL FLORIDIAN • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

DRAINAGE MAP (1) HARTWOOD MARSH ROAD

SHEET NO. 3



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REVISIONS		
DATE	BY	DESCRIPTION

OM Engineering Services, Inc. Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

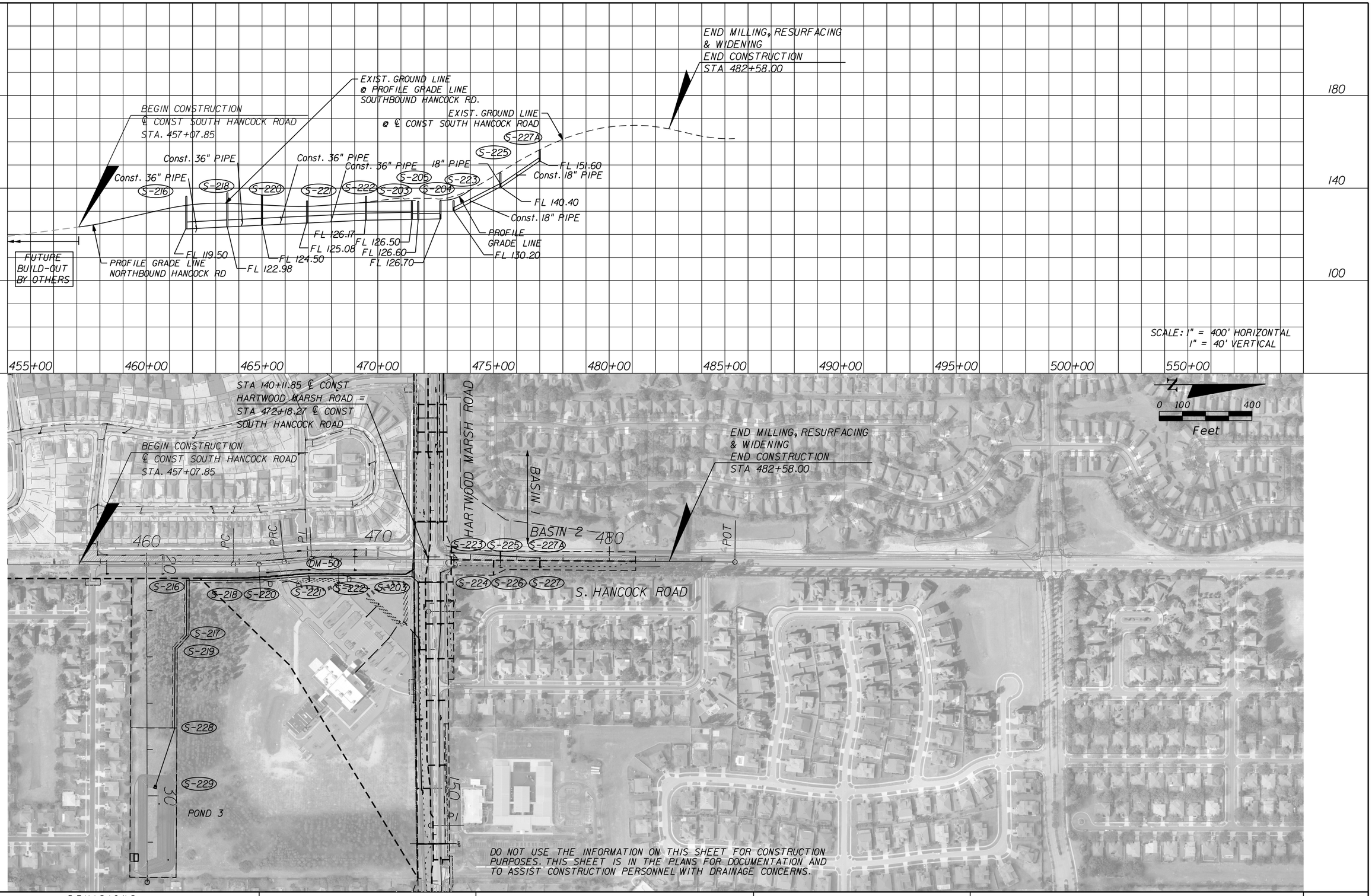
ENGINEER OF RECORD: DAVID R. BORYS, P.E., CFM
P.E. LICENSE NUMBER 75372

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

DRAINAGE MAP (2)
HARTWOOD MARSH ROAD

SHEET NO. 4



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Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: DAVID R. BORYS, P.E., CFM
P.E. LICENSE NUMBER 75372

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

DRAINAGE MAP (3) SOUTH HANCOCK ROAD

SHEET NO. 5

(1)

STA 103+56.58 (61.03 LT)
Mitered End Section
FL 159.70 (RT)(Exist.)

(1A)

STA 104+03.72 (81.05 RT)
Mitered End Section
FL 156.00 (RT)(Exist.)

(2)

STA 107+04.85 (113.19 LT)
Curb Inlet
Top EL. 159.73
FL 152.66 (AH)(Exist.)
FL 152.73 (RT)(Exist.)
FL 152.61(LT)(Exist.)

(3)

STA 107+16.68 (30.96 LT)
Mitered End Section
FL 156.90 (AH)(Exist.)

(4)

STA 107+13.75 (42.04 RT)
Ditch Bottom Inlet
Grate EL. 157.95
FL 154.95 (AH)(Exist.)

(5)

STA 107+49.74 (54.60 LT)
Curb Inlet
Top EL. 158.99
FL 152.67 (AH)(Exist.)
FL 152.68 (LT)(Exist.)

(6)

STA 107+77.34 (54.32 LT)
Curb Inlet
Top EL. 158.30
FL 151.50 (AH)(Exist.)
FL 151.55 (LT)(Exist.)

(7)

STA 108+01.18 (29.93 LT)
Mitered End Section
FL 154.42 (BK)(Exist.)

(8)

STA 108+56.53 (35.98 RT)
Mitered End Section
FL 153.39 (BK)(Exist.)

(9)

STA 109+56.75 (93.65 LT)
Curb Inlet
Top EL. 158.92
FL 151.42 (AH)(Exist.)
FL 151.42 (BK)(Exist.)

(10)

STA 111+09.06 (96.93 LT)
Curb Inlet
Top EL. 157.53
FL 150.68 (AH)(Exist.)
FL 150.58 (BK)(Exist.)

(11)

STA 111+15.61 (33.21 LT)
Mitered End Section
FL 152.31(AH)(Exist.)

(12)

STA 111+07.77 (34.05 RT)
Ditch Bottom Inlet
Grate EL. 152.95
FL 150.04 (AH)(Exist.)

(13)

STA 111+64.05 (109.40 LT)
Curb Inlet
Top EL. 156.60
FL 150.00 (AH)(Exist.)
FL 150.20 (BK)(Exist.)

(14)

STA 112+22.95 (34.84 LT)
Mitered End Section
FL 150.82 (AH)(Exist.)

(15)

STA 112+29.27 (31.47 RT)
Mitered End Section
FL 149.23 (AH)(Exist.)

(16)

STA 113+23.46 (34.94 LT)
Mitered End Section
FL 149.83 (AH)(Exist.)

(17)

STA 114+41.91 (38.74 LT)
Mitered End Section
FL 148.36 (AH)(Exist.)

(18)

STA 115+37.34 (63.28 LT)
Curb Inlet
Top EL. 148.14
FL 143.64 (AH)(Exist.)

(19)

STA 115+75.51 (63.14 LT)
Curb Inlet
Top EL. 147.43
FL 142.28 (AH)(Exist.)
FL 142.38 (BK)(Exist.)

(19A)

STA 117+48.43 (63.30 LT)
Manhole
Top EL. 147.09
FL 134.57 (AH)(Exist.)
FL 134.67 (BK)(Exist.)

(20)

STA 120+30.13 (61.51 LT)
Manhole
Top EL. 132.69
FL 121.71 (AH)(Exist.)
FL 121.46 (BK)(Exist.)

(21)

STA 122+05.20 (124.83 LT)
Mitered End Section
FL 112.75 (BK)(Exist.)

(22)

STA 123+98.36 (72.29 LT)
Fiberglass Weir
Top EL. 126.35

(23)

STA 139+35.73 (56.16 LT)
Mitered End Section
FL 130.98 (AH)(Exist.)

(24)

STA 140+82.05 (55.16 LT)
Mitered End Section
FL 131.83 (BK)(Exist.)

(25)

STA 142+67.52 (112.19 LT)
Ditch Bottom Inlet
Grate EL. 141.03
FL 134.75 (AH)(Exist.)
FL 134.67 (BK)(Exist.)
FL 134.77 (LT)(Exist.)

(26)

STA 145+44.11 (94.84 LT)
Curb Inlet
Top EL. 143.59
FL 138.87 (AH)(Exist.)
FL 138.80 (BK)(Exist.)

(27)

STA 145+76.10 (94.00 LT)
Curb Inlet
Top EL. 143.97
FL 139.32 (BK)(Exist.)

(1-49)

STA 127+59.06 (51.83 RT)
Flat Grate Inlet
Top EL. 125.68
FL 111.43 (AH)(Exist.)
FL 111.22 (BK)(Exist.)

(1-192)

STA 130+28.32 (49.80 RT)
Flat Grate Inlet
Top EL. 124.05
FL 111.90 (AH)(Exist.)
FL 111.85 (BK)(Exist.)

BASIN AREAS

BASIN 1		BASIN 2		BASIN 3	
S-100	0.16 AC.	S-200	0.52 AC.	S-300	0.11 AC.
S-101	0.06 AC.	S-201	0.39 AC.	S-302	0.42 AC.
S-103	0.25 AC.	S-204	0.25 AC.	S-303	0.45 AC.
S-104	0.49 AC.	S-205	0.33 AC.		
S-105	0.47 AC.	S-206	0.27 AC.		
S-106	0.25 AC.	S-207	0.41 AC.		
S-107	0.3 AC.	S-208	0.33 AC.		
S-108	0.19 AC.	S-209	0.44 AC.		
S-109	0.34 AC.	S-212	0.61 AC.		
S-110	0.73 AC.	S-213	0.34 AC.		
S-111	0.38 AC.	S-214	0.54 AC.		
S-112	0.34 AC.	S-215	0.35 AC.		
S-113	0.34 AC.	S-223	0.23 AC.		
S-114	0.19 AC.	S-224	0.27 AC.		
S-115	0.63 AC.	S-225	0.54 AC.		
S-116	0.36 AC.	S-226	0.18 AC.		
S-117	0.22 AC.	S-227	0.38 AC.		
S-118	0.19 AC.				
S-119	0.17 AC.				
S-120	0.14 AC.				
S-121	0.17 AC.				
S-122	0.37 AC.				
S-123	0.46 AC.				
S-123A	0.08 AC.				
S-124	0.26 AC.				
S-131	0.26 AC.				
S-132	0.27 AC.				
S-133	0.39 AC.				
S-134	0.31 AC.				
S-135	0.23 AC.				
S-136	0.16 AC.				
S-137	0.16 AC.				
S-138	0.21 AC.				
S-139	0.53 AC.				
S-140	0.42 AC.				

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REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: DAVID R. BORYS, P.E., CFM
P.E. LICENSE NUMBER 75372

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

EXISTING DRAINAGE STRUCTURES DATA & BASIN AREAS

SHEET NO. 6

28

STA 133+01.99 (48.96 RT)
Manhole
Top EL. 123.56
FL 112.33 (AH)(Exist.)
FL 112.28 (BK)(Exist.)

I-193

STA 135+00.00 (50.50 RT)
Ditch Bottom Inlet
Grate EL. 120.06
FL (112.71 AH)(Exist.)
FL 112.65 (BK)(Exist.)

29

STA 135+00.18 (38.60 LT)
Ditch Bottom Inlet
Top EL. 120.48
FL 112.96 (AH)(Exist.)

30

STA 139+37.94 (34.11 LT)
Ditch Bottom Inlet
Top EL. 133.36
FL 129.01(AH)(Exist.)

31

STA 139+77.97 (28.60 RT)
Ditch Bottom Inlet
Top EL. 133.97
FL 128.43 (AH)(Exist.)
FL 129.72 (BK)(Exist.)

32

STA 140+35.17 (29.72 RT)
Ditch Bottom Inlet
Top EL. 134.44
FL 129.84 (AH)(Exist.)
FL 129.64 (BK)(Exist.)

33

STA 140+57.73 (54.32 RT)
Ditch Bottom Inlet
Top EL. 133.97
FL 130.00 (BK)(Exist.)

34

STA 143+55.23 (39.27 RT)
Manhole
(Unverified)

35

STA 144+75.18 (40.62 RT)
Ditch Bottom Inlet
Top EL. 139.93
FL 136.93 (AH)(Exist.)
FL 136.85 (BK)(Exist.)

36

STA 146+29.00 (42.42 LT)
Ditch Bottom Inlet
Top EL. 139.86
FL 138.33 (BK)(Exist.)

37

STA 162+14.85 (31.81 RT)
Ditch Bottom Inlet
Top EL. 125.60
FL 123.15 (BK)(Exist.)

38

STA 162+27.66 (43.24 LT)
Ditch Bottom Inlet
Top EL. 123.62
FL 120.58 (AH)(Exist.)

DM-76

STA 458+27.85 (40.25 RT)
Manhole
Top EL. 125.11
FL 119.50 (BK)(Exist.)

DM-78

STA 460+67.85 (40.25 RT)
Manhole
Top EL. 135.89 (Exist.)
FL 130.00 (BK)(Exist.)

DM-501

STA 466+97.78 (43.53 RT)
Manhole
Top EL. 132.00 (Exist.)
FL 126.00 (BK)(Exist.)

DM-133

STA 469+00.00 (47.75 RT)
Manhole
Top EL. 133.50 (Exist.)
FL 128.50 (Exist.)

39

STA 482+39.38 (26.16 RT)
Mitered End Section
FL 163.07 (BK)(Exist.)

I-75

STA 458+27.85 (42.25 LT)
INLET TYPE P-5 (ALT A)
INLET EL 124.73 (Exist.)

DM-74

STA 457+88.22 (40.25 LT)
TYPE 8 MANHOLE
FL 117.00 (AH)(Exist.)
FL 113.50 (LT)(Exist.)

I-129

STA 466+62.33 (40.25 LT)
TYPE 6 INLET
FL 126.20 (BK)(Exist.)
FL 126.20 (BK)(Exist.)

I-131

STA 466+00.00 (40.25 LT)
TYPE 5 INLET
FL 126.40 (AH)(Exist.)

I-48

STA 62+38.54 (6.00 RT)
Flat Grate Inlet
Top EL. 112.67
N INV: 105.12 (Exist.)
S INV: 104.77 (Exist.)

I-47

STA 59+26.37 (3.00 RT)
Type C DBI
W/N SLOT INV 98.40
Top EL. 98.50
S INV 92.10 (Exist.)
N INV 92.30 (Exist.)

MES-46

STA 58+50.00 (9.00 RT)
Mitered End Section
W/Grate 14" O.C.
W/Riprap Apron
N INV 92.00 (Exist.)

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REVISIONS		
DATE	BY	DESCRIPTION

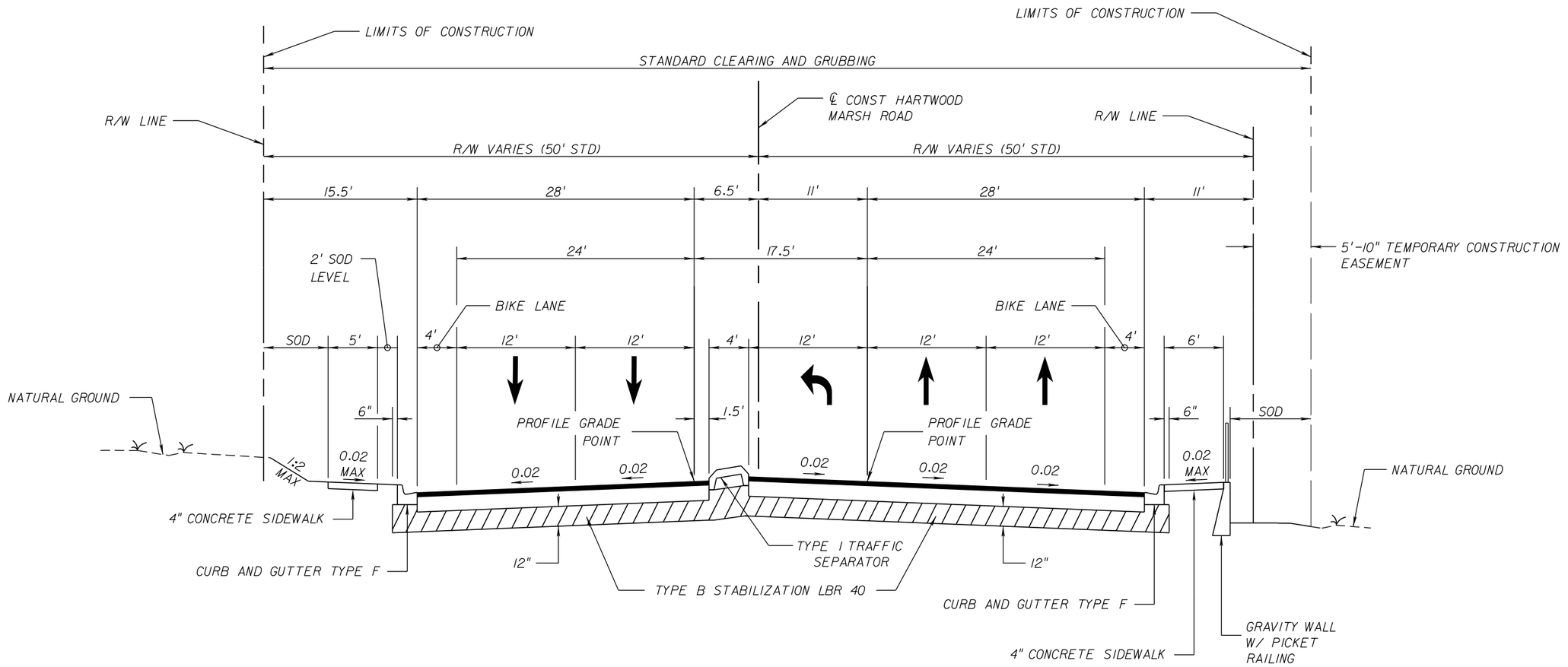
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PHONE NO. (407)704-7815
FAX: (407)704-7816
ENGINEER OF RECORD: DAVID R. BORYS, P.E., CFM
P.E. LICENSE NUMBER 75372

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

EXISTING DRAINAGE STRUCTURES DATA & BASIN AREAS

SHEET NO. 7



TYPICAL SECTION 1
HARTWOOD MARSH ROAD
STA 103+37.72 TO STA 119+10.00

TRAFFIC DATA

CURRENT YEAR = 2007 AADT = 11,400
ESTIMATED OPENING YEAR = 2009 AADT = 18,900
ESTIMATED DESIGN YEAR = 2029 AADT = 45,500
K = 11.1% D = 77.3% T = 15.6% (24 HOUR)
DESIGN HOUR T = 7.8%
DESIGN SPEED = 45 MPH
POSTED SPEED = 40 MPH

CONSTRUCTION

OPTIONAL BASE GROUP 10 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC E)(1 1/2")
TYPE SP STRUCTURAL COURSE (TRAFFIC E)(1 1/2")(PG 76-22)
AND FRICTION COURSE FC-12.5 (1 1/2")(TRAFFIC E)(PG 76-22)

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections
OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

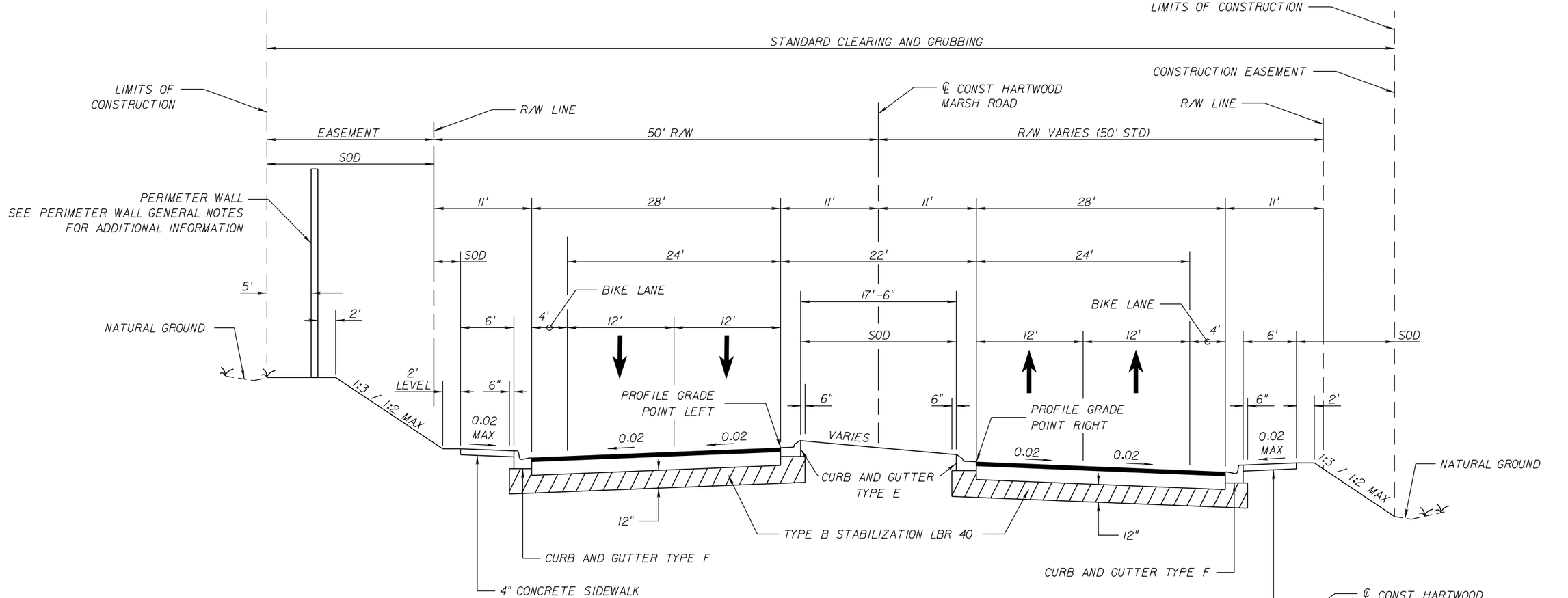
LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

TYPICAL SECTIONS (1)

SHEET NO. 8

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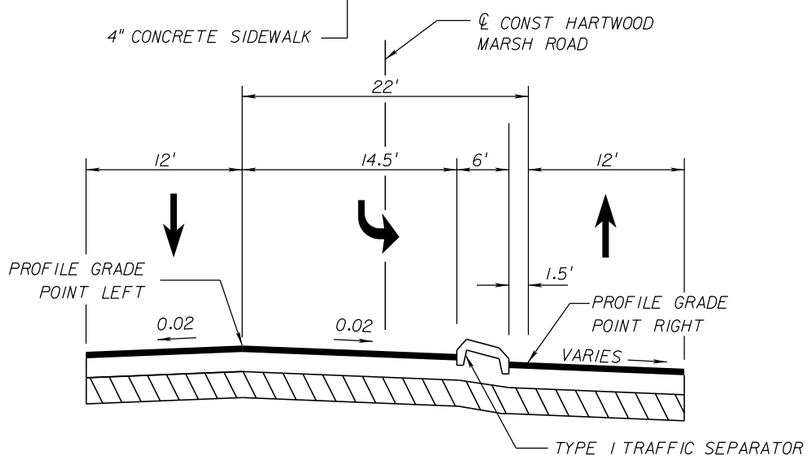
TYPICAL SECTION 2
HARTWOOD MARSH ROAD
STA 119+10.00 TO STA 132+42.50

TRAFFIC DATA

CURRENT YEAR = 2007 AADT = 11,400
ESTIMATED OPENING YEAR = 2009 AADT = 18,900
ESTIMATED DESIGN YEAR = 2029 AADT = 45,500
K = 11.1% D = 77.3% T = 15.6% (24 HOUR)
DESIGN HOUR T = 7.8%
DESIGN SPEED = 45 MPH
POSTED SPEED = 40 MPH

CONSTRUCTION

OPTIONAL BASE GROUP 10 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC E)(1 1/2")
TYPE SP STRUCTURAL COURSE (TRAFFIC E)(1 1/2")(PG 76-22)
AND FRICTION COURSE FC-12.5 (1 1/2")(TRAFFIC E)(PG 76-22)



LEFT TURN LANE DETAIL
STA 125+63.53 TO STA 128+00.52

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections
OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
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P.E. LICENSE NUMBER 40049

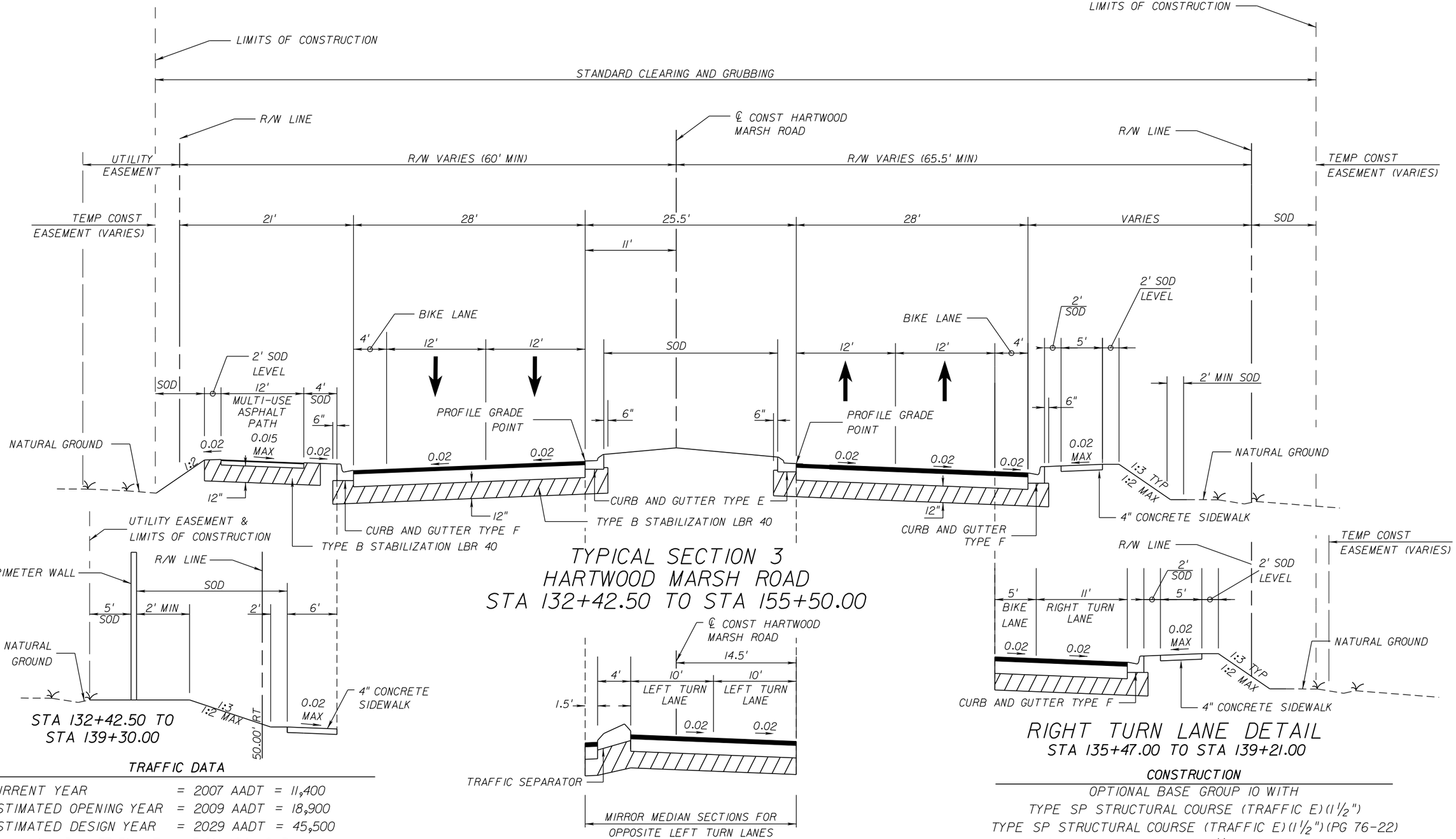
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

TYPICAL SECTIONS (2)

SHEET NO. 9

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STA 132+42.50 TO STA 139+30.00

TRAFFIC DATA

CURRENT YEAR = 2007 AADT = 11,400
ESTIMATED OPENING YEAR = 2009 AADT = 18,900
ESTIMATED DESIGN YEAR = 2029 AADT = 45,500
K = 11.1% D = 77.3% T = 15.6% (24 HOUR)
DESIGN HOUR T = 7.8%
DESIGN SPEED = 45 MPH
POSTED SPEED = 40 MPH

TYPICAL SECTION 3
HARTWOOD MARSH ROAD
STA 132+42.50 TO STA 155+50.00

LEFT TURN LANE DETAIL

STA 135+81.00 TO STA 139+33.00

RIGHT TURN LANE DETAIL

STA 135+47.00 TO STA 139+21.00

CONSTRUCTION

OPTIONAL BASE GROUP 10 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC E)(1½")
TYPE SP STRUCTURAL COURSE (TRAFFIC E)(1½")(PG 76-22)
AND FRICTION COURSE FC-12.5 (1½")(TRAFFIC E)(PG 76-22)

MULTI-USE ASPHALT PATH

OPTIONAL BASE GROUP 1 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC E)(1½")

REVISIONS		
DATE	BY	DESCRIPTION

OM Engineering Services, Inc.
Civil • Structural • Inspections
OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

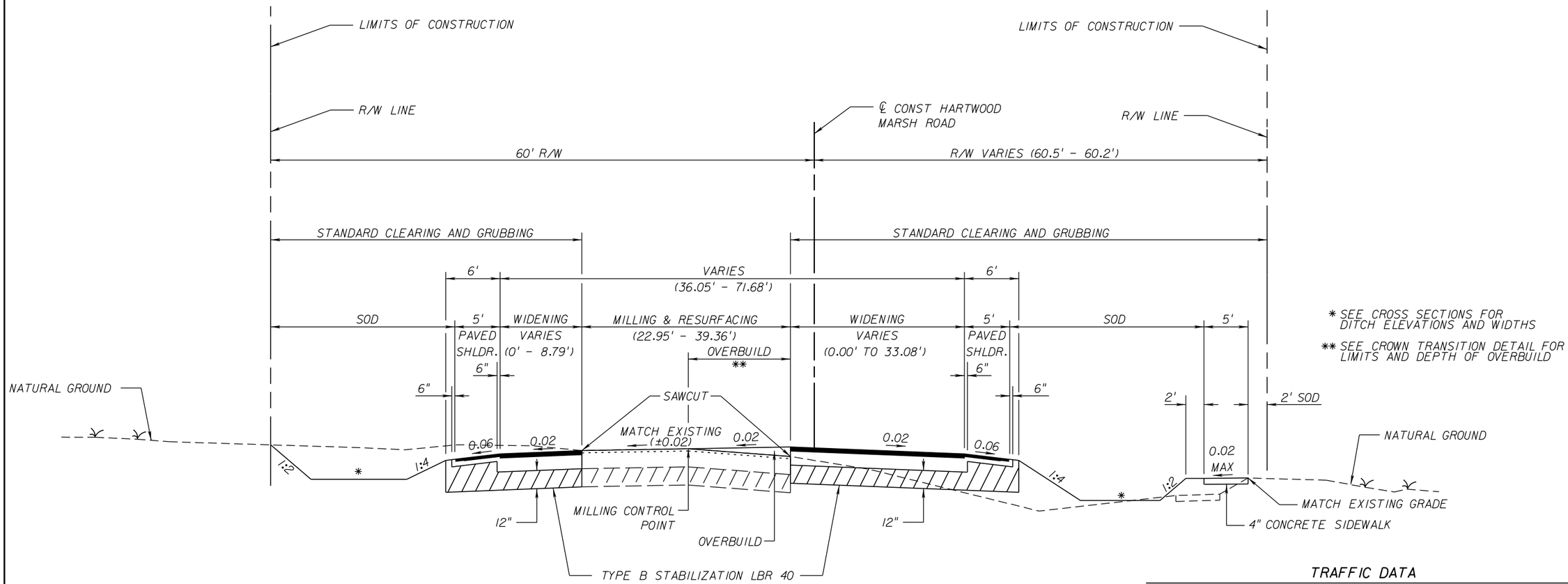
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

TYPICAL SECTIONS (3)

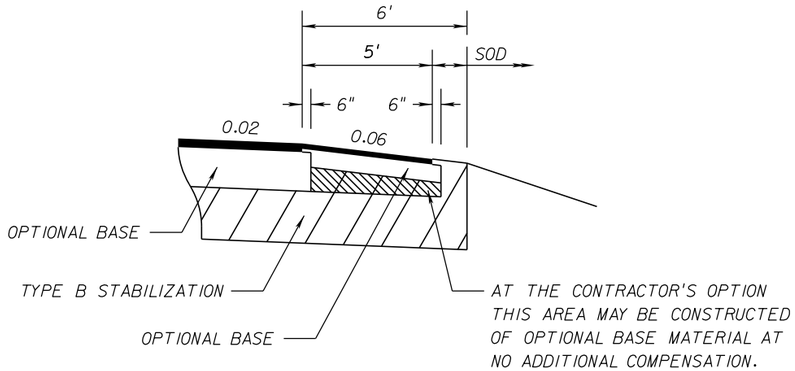
SHEET NO. 10

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* SEE CROSS SECTIONS FOR DITCH ELEVATIONS AND WIDTHS

** SEE CROWN TRANSITION DETAIL FOR LIMITS AND DEPTH OF OVERBUILD



SHOULDER PAVEMENT DETAIL

TYPICAL SECTION 4
HARTWOOD MARSH ROAD
STA 155+50.00 TO STA 162+21.77

MILLING

MILL EXISTING ASPHALT PAVEMENT (1½" AVG. DEPTH)

RESURFACING

OVERBUILD TYPE SP STRUCTURAL COURSE (TRAFFIC E)(3" AVG)
AND FRICTION COURSE FC-12.5 (1½")(TRAFFIC E)(PG 76-22)

TRAFFIC DATA

CURRENT YEAR = 2007 AADT = 11,400
ESTIMATED OPENING YEAR = 2009 AADT = 18,900
ESTIMATED DESIGN YEAR = 2029 AADT = 45,500
K = 11.1% D = 77.3% T = 15.6% (24 HOUR)
DESIGN HOUR T = 7.8%
DESIGN SPEED = 45 MPH
POSTED SPEED = 40 MPH

CONSTRUCTION

OPTIONAL BASE GROUP 10 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC E)(1½")
TYPE SP STRUCTURAL COURSE (TRAFFIC E)(1½")(PG 76-22)
AND FRICTION COURSE FC-12.5 (1½")(TRAFFIC E)(PG 76-22)

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 1WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC E)(1½")(PG 76-22)
AND FRICTION COURSE FC-12.5 (1½")(TRAFFIC E)(PG 76-22)

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections
OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
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ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

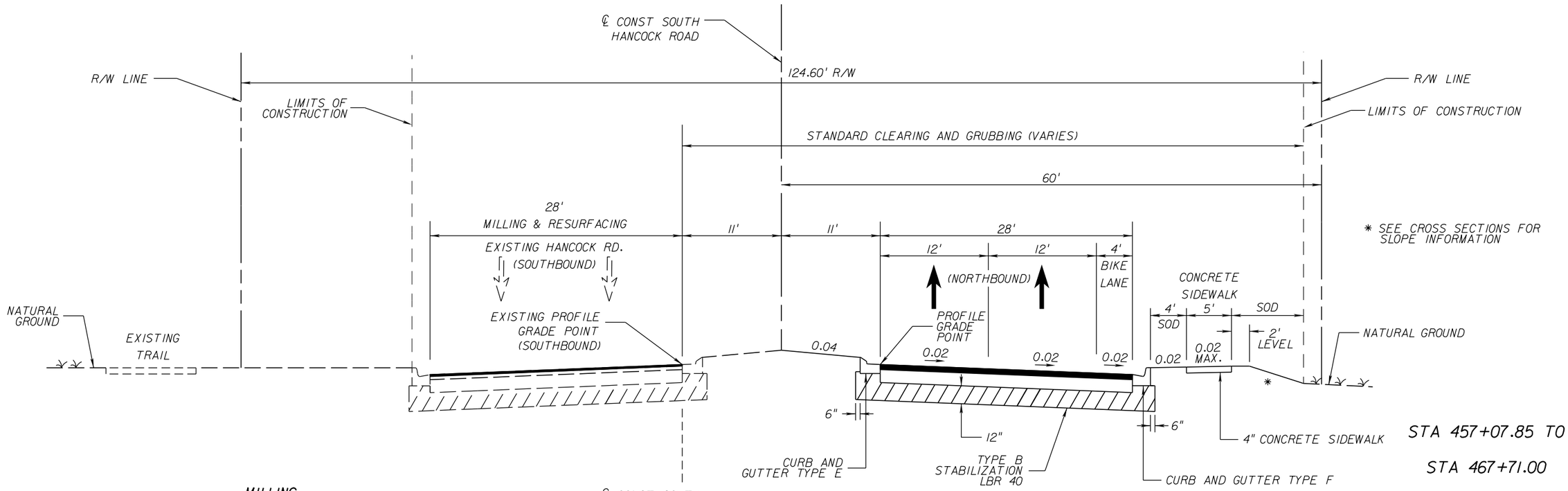
LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

TYPICAL SECTIONS (4)

SHEET NO. 11

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STA 457+07.85 TO

STA 467+71.00

MILLING

MILL EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH)

RESURFACING

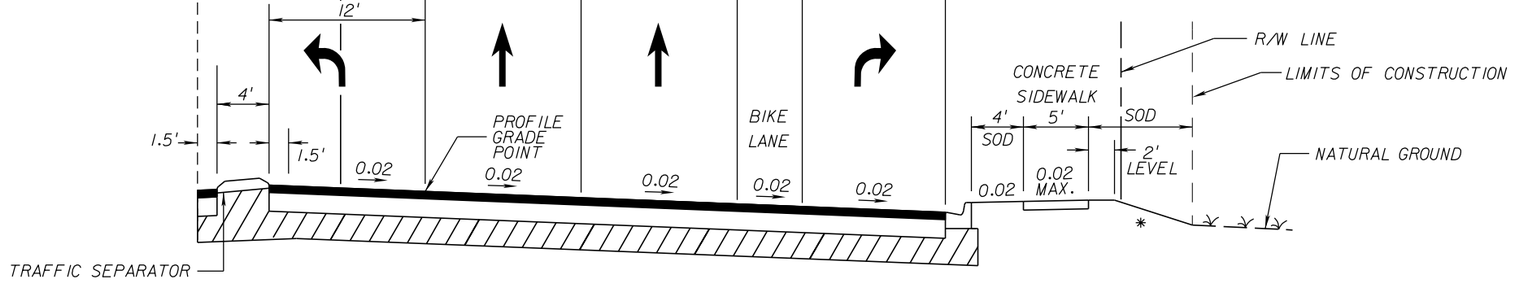
FRICTION COURSE FC-12.5 (1")(RUBBER)

CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C)(2.5")
AND FRICTION COURSE FC-12.5 (1.5" MIN)(TRAFFIC C)(RUBBER)

TRAFFIC DATA

CURRENT YEAR = 2007 AADT =
ESTIMATED OPENING YEAR = 2009 AADT =
ESTIMATED DESIGN YEAR = 2029 AADT =
K = D = T = (24 HOUR)
DESIGN HOUR T =
DESIGN SPEED = 45 MPH
POSTED SPEED = 40 MPH



TURN LANE DETAIL

STA 467+71.00 TO

STA 471+64.00

TYPICAL SECTION 5

SOUTH HANCOCK ROAD

STA 457+07.85 TO STA 471+64.00

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REVISIONS		
DATE	BY	DESCRIPTION

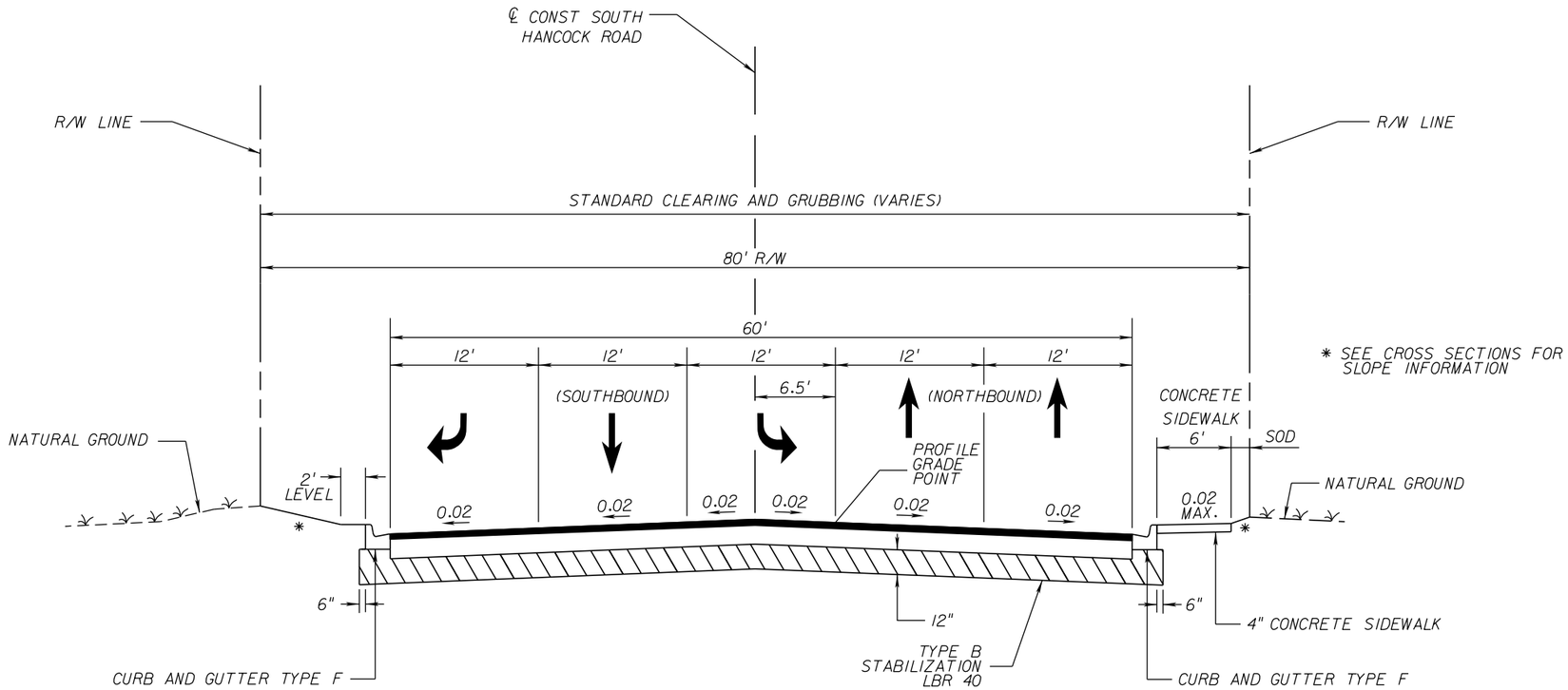
OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections
OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
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ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

TYPICAL SECTIONS (5)

SHEET NO. 12



CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C)(2.5")
AND FRICTION COURSE FC-12.5 (1.5" MIN)(TRAFFIC C)(RUBBER)

TRAFFIC DATA

CURRENT YEAR = 2007 AADT =
ESTIMATED OPENING YEAR = 2009 AADT =
ESTIMATED DESIGN YEAR = 2029 AADT =
K = D = T = (24 HOUR)
DESIGN HOUR T =
DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

TYPICAL SECTION 6
SOUTH HANCOCK ROAD
STA 472+69.00 TO STA 475+27.00

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REVISIONS		
DATE	BY	DESCRIPTION

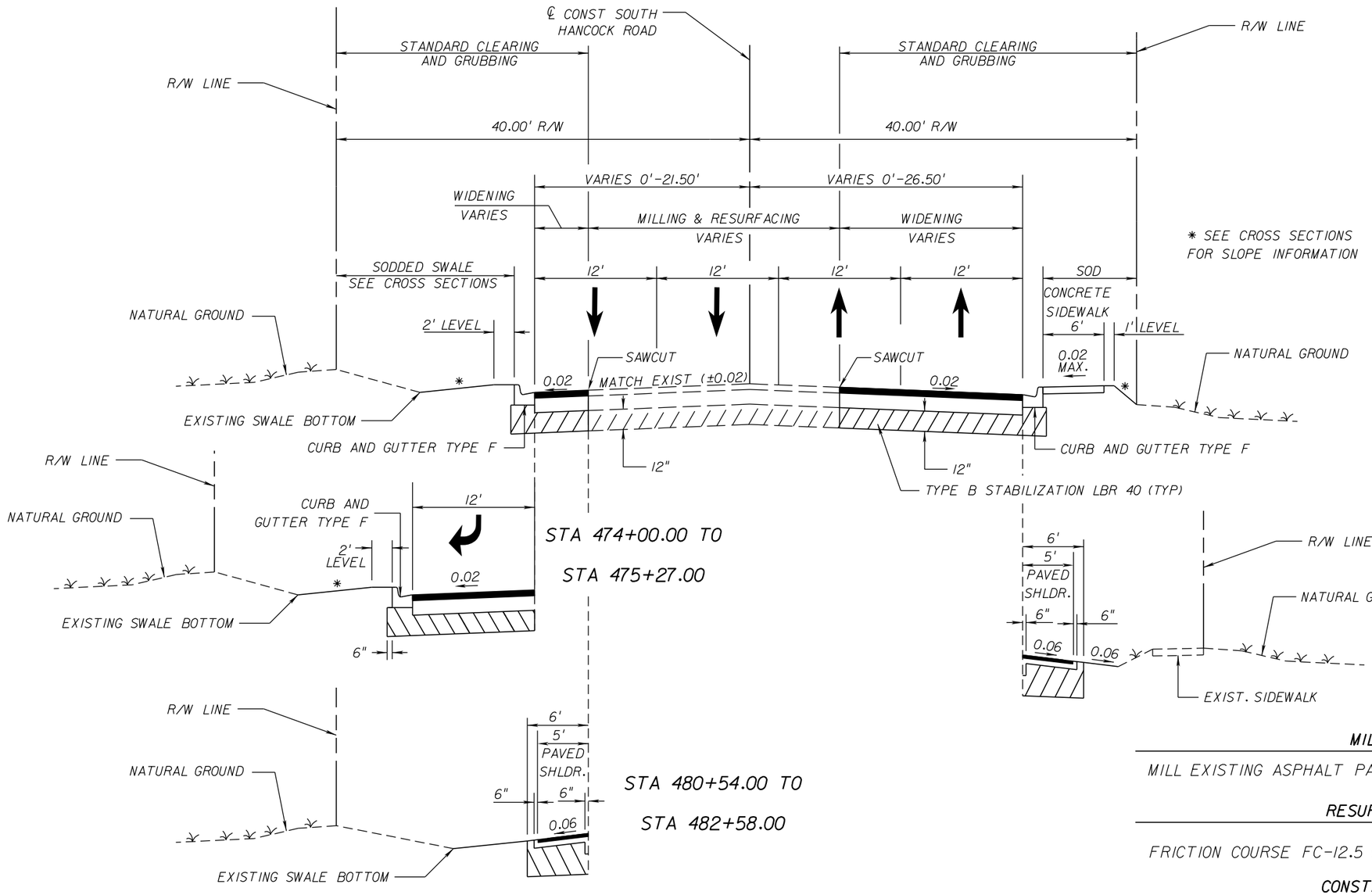
OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections
OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
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PHONE NO. (407) 704-7815
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ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

TYPICAL SECTIONS (6)

SHEET NO. 13



STA 474+00.00 TO

STA 480+54.00

STA 480+54.00 TO

STA 482+58.00

TRAFFIC DATA

CURRENT YEAR = 2007 AADT =
ESTIMATED OPENING YEAR = 2009 AADT =
ESTIMATED DESIGN YEAR = 2029 AADT =
K = D = T = (24 HOUR)
DESIGN HOUR T =
DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

TYPICAL SECTION 7

SOUTH HANCOCK ROAD

STA 475+27.00 TO STA 482+58.00

MILLING

MILL EXISTING ASPHALT PAVEMENT (1½" AVG. DEPTH)

RESURFACING

FRICTION COURSE FC-12.5 (1½")(TRAFFIC E)(PG 76-22)

CONSTRUCTION

OPTIONAL BASE GROUP 10 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC E)(1½")(PG 76-22)
AND FRICTION COURSE FC-12.5 (1½")(TRAFFIC E)(PG 76-22)

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 1WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC E)(1½")(PG 76-22)
AND FRICTION COURSE FC-12.5 (1½")(TRAFFIC E)(PG 76-22)

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections
OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
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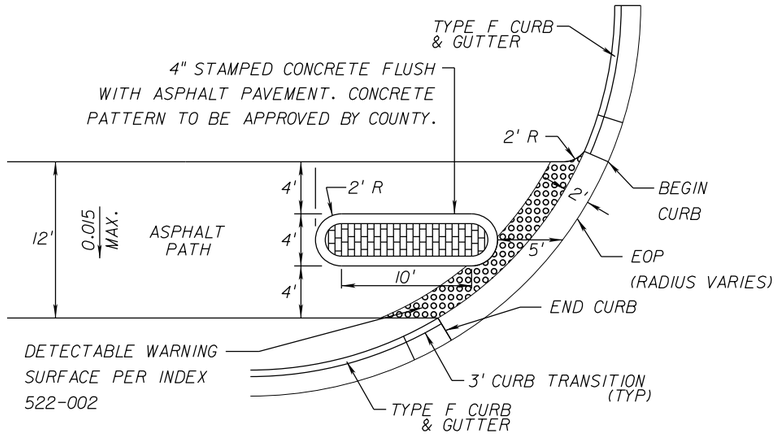
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

TYPICAL SECTIONS (7)

SHEET NO. 14

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PATH SEPARATOR DETAIL

STA 140+94.61 TO 155+50.00

MULTI-USE ASPHALT PATH

OPTIONAL BASE GROUP 1 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC E)(1 1/2")

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

REVISIONS		
DATE	BY	DESCRIPTION

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Civil • Structural • Inspections
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ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
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ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

DETAILS

SHEET NO. 15

BEGIN CONSTRUCTION, STA 102+78.16
℄ CONST HARTWOOD MARSH ROAD =
STA 610+67.99 ℄ CONST US 27

BEGIN PROJECT
STA 103+37.72

℄ CONST HARTWOOD
MARSH ROAD

STA 127+50.00 ℄ CONST
HARTWOOD MARSH ROAD =
STA 66+00.00 ℄ CONST POND 1 & 2

℄ CONST US 27

FOR ROADWAY BASELINE GEOMETRY INFORMATION SEE PROJECT CONTROL SHEETS.

℄ CONST POND 1 & 2

POND 1

POND 2

END MILLING, RESURFACING & WIDENING
END CONSTRUCTION
STA 482+58.00

℄ CONST SOUTH
HANCOCK ROAD

STA 140+11.85 ℄ CONST
HARTWOOD MARSH ROAD =
STA 472+18.27 ℄ CONST
SOUTH HANCOCK ROAD

END PROJECT
STA 155+50.00

END WIDENING
END MILLING & RESURFACING
END CONSTRUCTION
STA 162+21.77

℄ CONST POND 3

POND 3

℄ CONST SOUTH HANCOCK ROAD
STA 460+00.00 =
℄ CONST POND 3 STA 20+00.00

BEGIN CONSTRUCTION
C/L CONST SOUTH HANCOCK RD.
STA. 457+07.85

0 100 500
Feet

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REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
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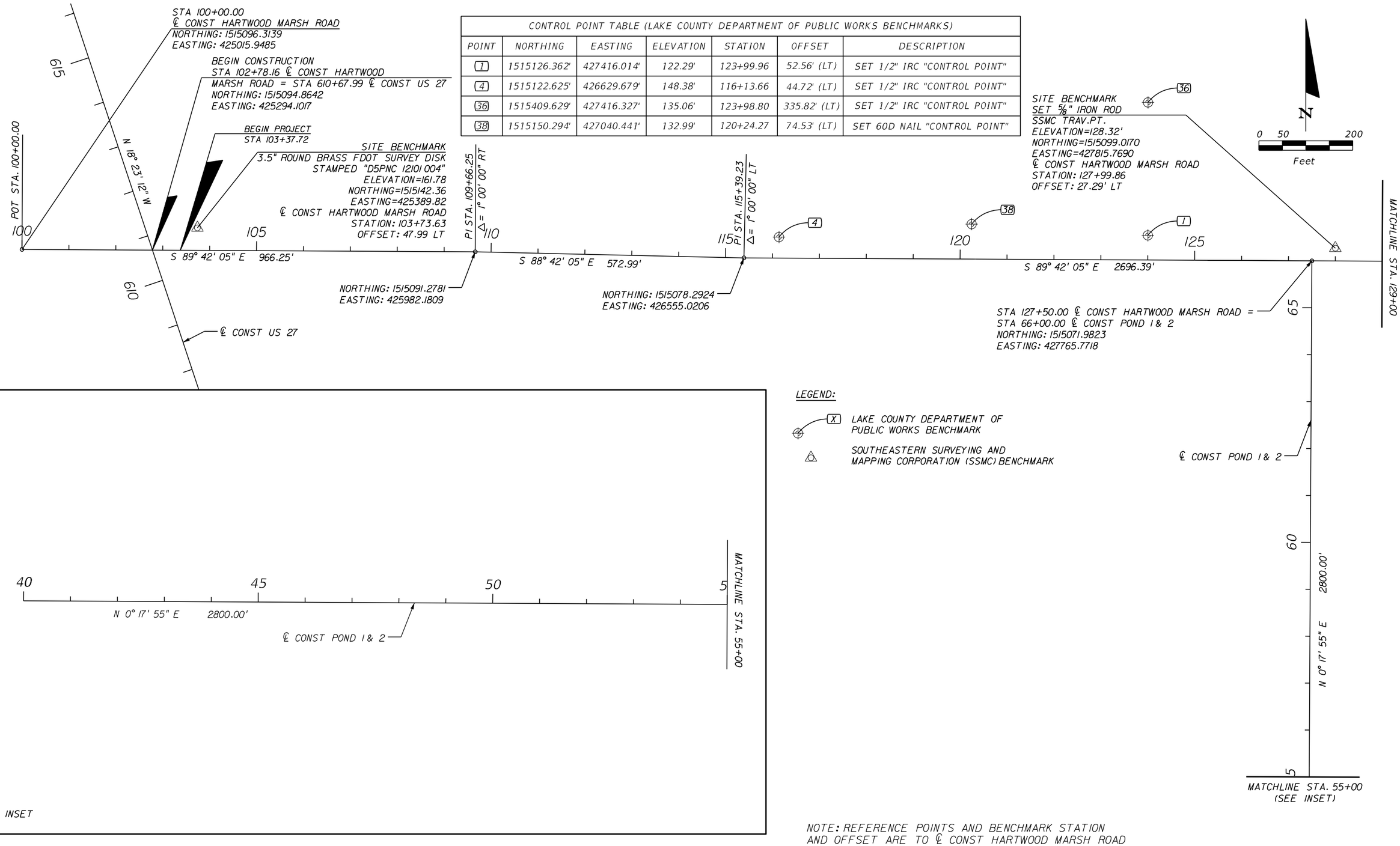
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL

HARTWOOD MARSH ROAD - PHASE I

PROJECT LAYOUT

SHEET NO. 16



CONTROL POINT TABLE (LAKE COUNTY DEPARTMENT OF PUBLIC WORKS BENCHMARKS)						
POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
1	1515126.362'	427416.014'	122.29'	123+99.96	52.56' (LT)	SET 1/2" IRC "CONTROL POINT"
4	1515122.625'	426629.679'	148.38'	116+13.66	44.72' (LT)	SET 1/2" IRC "CONTROL POINT"
36	1515409.629'	427416.327'	135.06'	123+98.80	335.82' (LT)	SET 1/2" IRC "CONTROL POINT"
38	1515150.294'	427040.441'	132.99'	120+24.27	74.53' (LT)	SET 60D NAIL "CONTROL POINT"

LEGEND:

- (X) LAKE COUNTY DEPARTMENT OF PUBLIC WORKS BENCHMARK
- △ SOUTHEASTERN SURVEYING AND MAPPING CORPORATION (SSMC) BENCHMARK

NOTE: REFERENCE POINTS AND BENCHMARK STATION AND OFFSET ARE TO ℄ CONST HARTWOOD MARSH ROAD

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

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL

HARTWOOD MARSH ROAD - PHASE I

PROJECT CONTROL (1)

SHEET NO. 17

MATCHLINE - SEE INSET 1

MATCHLINE STA. 129+00

MATCHLINE STA. 159+00

INSET 2

MATCHLINE STA. 458+00

℄ CONST SOUTH HANCOCK RD.

BEGIN CONSTRUCTION C/L CONST SOUTH HANCOCK RD. STA. 457+07.85

455

130 135 140 145 150 155

475 470 465 460

N 0° 52' 48" E 1711.09'

SITE BENCHMARK
SET 5/8" IRON ROD
SSMC TRAV.PT.
ELEVATION=119.84'
NORTHING=1515031.7100
EASTING=428514.4850
℄ CONST HARTWOOD MARSH ROAD
STATION: 134+98.91
OFFSET: 36.37' RT

S 89° 42' 05" E 2696.39'

STA 140+11.85 ℄ CONST HARTWOOD MARSH ROAD =
STA 472+18.27 ℄ CONST SOUTH HANCOCK ROAD
NORTHING=1515065.4058
EASTING=429027.6060

SITE BENCHMARK
SET 5/8" IRON ROD
SSMC TRAV.PT.
ELEVATION=141.80'
NORTHING=1515061.0270
EASTING=429677.1970
℄ CONST HARTWOOD MARSH ROAD
STATION: 146+61.43
OFFSET: 4.60' RT

PI STA. 142+35.62
Δ = 0° 29' 07" LT

NORTHING: 1515078.2924
EASTING: 426555.0206

S 89° 48' 48" E 924.40'

SITE BENCHMARK
SET 5/8" IRON ROD
SSMC TRAV.PT.
ELEVATION=159.33'
NORTHING=1515108.6920
EASTING=430239.3980
℄ CONST HARTWOOD MARSH ROAD
STATION: 152+24.13
OFFSET: 40.70' LT

PI STA. 151+60.02
Δ = 0° 28' 44" LT

NORTHING: 1515067.2512
EASTING: 430175.7677

N 89° 20' 04" E 2539.98'

SITE BENCHMARK
SET 5/8" IRON ROD
SSMC TRAV.PT.
ELEVATION=147.08'
NORTHING=1515054.0010
EASTING=430776.9460
℄ CONST HARTWOOD MARSH ROAD
STATION: 157+61.00
OFFSET: 20.23' RT

CURVE HANCOCK-1
PC Sta. = 463+75.12 NORTHING: 1514222.9570 EASTING: 429041.4613
PI Sta. = 464+85.26 NORTHING: 1514333.0960 EASTING: 429042.2752
PT Sta. = 465+95.20 NORTHING: 1514442.7069 EASTING: 429031.4721
Delta = 6° 03' 08"
D = 2° 45' 00"
T = 110.14'
L = 220.08'
R = 2083.48'

END PROJECT
BEGIN WIDENING
BEGIN MILLING & RESURFACING
STA 155+50.00

CURVE HANCOCK-2
PC Sta. = 465+95.20 NORTHING: 1514442.7069 EASTING: 429031.4721
PI Sta. = 467+13.67 NORTHING: 1514560.6051 EASTING: 429019.8522
PT Sta. = 468+31.88 NORTHING: 1514679.0605 EASTING: 429021.6717
Delta = 6° 30' 32"
D = 2° 45' 00"
T = 118.47'
L = 236.68'
R = 2083.48'

PT STA. 468+31.88

℄ CONST SOUTH HANCOCK RD.

PI STA. 467+13.67

HANCOCK-2

PC STA. 465+95.20

PI STA. 464+85.26

HANCOCK-1

PC STA. 463+75.12

N 0° 25' 24" E 3448.34'

20 25 30

S 89° 42' 05" E 1373.20'

℄ CONST SOUTH HANCOCK ROAD STA 460+00.00 =
℄ CONST POND 3 STA 20+00.00
NORTHING: 1513847.8490
EASTING: 429038.6896

℄ CONST. POND 3

MATCHLINE STA. 458+00 (SEE INSET 2)

INSET 1

POT STA. 485+42.97

485 480

STA 485+42.97
℄ CONST SOUTH HANCOCK ROAD
NORTHING: 1516389.9498
EASTING: 429047.9512

END MILLING, RESURFACING & WIDENING END CONSTRUCTION STA 482+58.00

℄ CONST SOUTH HANCOCK RD.

N 0° 52' 48" E 1711.09'

13

10

MATCHLINE STA. 477+00

N

0 50 200

Feet

CONTROL POINT TABLE (LAKE COUNTY DEPARTMENT OF PUBLIC WORKS BENCHMARKS)

POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
10	1515774.520'	428997.457'	166.04'	479+26.84	41.04' (LT)	SET 1/2" IRON ROD & CAP "CONTROL POINT"
13	1515840.679'	429001.217'	166.81'	479+93.05	38.29' (LT)	FND 4"X4" CONCRETE MONUMENT "LK 172"

CONTROL POINT TABLE (LAKE COUNTY DEPARTMENT OF PUBLIC WORKS BENCHMARKS)

POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
16	1515168.581'	428968.221'	141.62'	473+20.52	60.96' (LT)	SET 1/2" IRON ROD & CAP "CONTROL POINT"
28	1515143.556'	429081.857'	135.26'	472+97.25	53.04' (RT)	SET PK NAIL & DISK "LAKE COUNTY BENCHMARK"

LEGEND:

X LAKE COUNTY DEPARTMENT OF PUBLIC WORKS BENCHMARK

SOUTHEASTERN SURVEYING AND MAPPING CORPORATION (SSMC) BENCHMARK

NOTE: REFERENCE POINTS AND BENCHMARK STATION AND OFFSET ARE TO ℄ CONST HARTWOOD MARSH ROAD

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

REVISIONS

DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

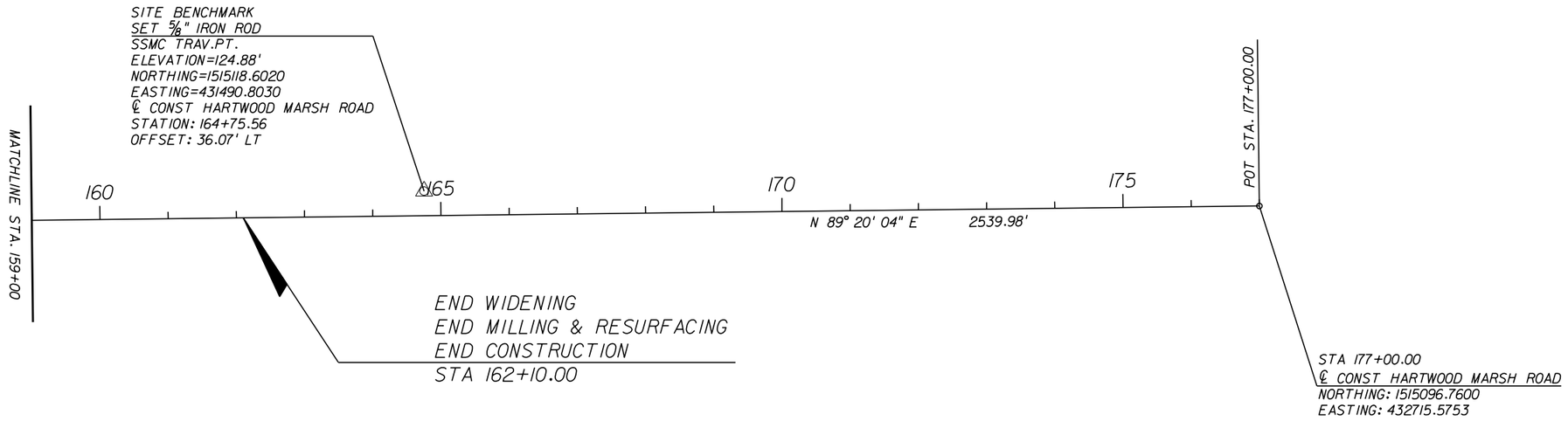
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

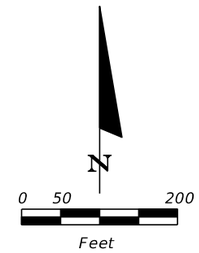
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HARTWOOD MARSH ROAD - PHASE I

PROJECT CONTROL (2)

SHEET NO. 18





LEGEND:

- LAKE COUNTY DEPARTMENT OF PUBLIC WORKS BENCHMARK
- SOUTHEASTERN SURVEYING AND MAPPING CORPORATION (SSMC) BENCHMARK

NOTE: REFERENCE POINTS AND BENCHMARK STATION AND OFFSET ARE TO ℄ CONST HARTWOOD MARSH ROAD

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HARTWOOD MARSH ROAD - PHASE I

PROJECT CONTROL (3)

SHEET NO. 19

GENERAL NOTES:

1. ALL MATERIALS, INSTALLATION, TESTING, AND CONSTRUCTION SHALL BE PER THE STANDARDS AND SPECIFICATIONS OF LAKE COUNTY, FLORIDA, AND THE "FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION, AND MAINTENANCE FOR STREETS AND HIGHWAYS" COMMONLY KNOWN AS THE "FLORIDA GREENBOOK" 2023 EDITION AND FDOT FY 2026-2027 STANDARD PLANS AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. WHERE THE SPECIFICATIONS CONFLICT, THE MAXIMUM REQUIREMENTS OF EITHER SPECIFICATION SHALL APPLY UNLESS OTHERWISE DIRECTED BY THE ENGINEER OF RECORD. ALL ON-SYSTEM WORK SHALL BE PER 2026 FDM.
2. CONTRACTOR SHALL MOBILIZE AND DEMOBILIZE FROM THE PROJECT AS REQUIRED FOR THE COMPLETION OF THE WORK FOLLOWING THE SCHEDULE SET FORTH BY LAKE COUNTY.
3. PAVEMENT SHALL MEAN ALL ASPHALT AND BASE ASSOCIATED WITH A DRIVING SURFACE AS SHOWN ON THE CONSTRUCTION PLANS.
4. PAVEMENT REMOVAL REQUIRED FOR CONSTRUCTION AND SHOWN IN THE CONSTRUCTION PLANS ON SIDE STREETS AND DRIVEWAYS THAT ARE WITHIN THE LIMITS OF THE RIGHT-OF-WAY OF THE COUNTY ROAD SHALL BE RECONSTRUCTED PER COUNTY STANDARDS AND THE PLAN CROSS-SECTIONS. DRIVEWAYS SHALL MATCH EXISTING WIDTH, PAVEMENT DESIGN, AND ELEVATION UNLESS OTHERWISE NOTED.
5. A CONSTANT SLOPE SHALL BE MAINTAINED BETWEEN DESIGNATED AREAS OF CUT AND FILL.
6. ALL FILL, INCLUDING SUBGRADE AND SUBBASE PLACED WITHIN RIGHT-OF-WAY OR EASEMENT, SHALL BE COMPACTED AS FOLLOWS:
   - ROADWAY AREAS (UNDER PAVEMENT AND PAVED SHOULDERS) SHALL BE 98% MAXIMUM DENSITY, AASHTO T-180, MINIMUM LBR 40 FOR EACH LIFT. EACH LIFT SHALL BE A MAXIMUM OF 6".
   - STABILIZED SHOULDERS SHALL BE TWELVE (12) INCHES DEEP, 98% MAXIMUM DENSITY, AASHTO T-180, MINIMUM LBR 40.
   - BEYOND THE STABILIZED SHOULDER, ALL FILL SHALL BE COMPACTED TO 95% MINIMUM DENSITY.
   - FILL VOLUMES SHOWN DO NOT HAVE A COMPACTION MULTIPLIER FACTORED. THE CONTRACTOR SHALL DETERMINE A COMPACTION FACTOR AND APPLY IT FOR FINAL FILL PLACEMENT VOLUMES. FOR SUBGRADE AND SUBBASE REQUIREMENTS, PLEASE REFER TO A SPECIFIC CROSS-SECTION.
7. THE CONTRACTOR IS TO SUPPLY THE OWNER'S ENGINEER WITH A COPY OF ALL COMPACTION TESTS AND ASPHALT RESULTS. THE CONTRACTOR IS TO CERTIFY TO THE ENGINEER, IN WRITING, THAT ALL TESTING REQUIREMENTS REQUIRED BY THE LOCAL AND STATE REGULATORY AGENCIES FOR THE IMPROVEMENTS, AS REQUIRED BY THE ENGINEERING CONSTRUCTION DRAWINGS, HAVE BEEN SATISFIED. UNLESS OTHERWISE NOTED, THE COMPACTED SUBGRADE WILL BE TO 98% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
8. UNLESS OTHERWISE NOTED, THE ESTABLISHED CLEAR ZONE IS 24 FEET FROM THE NEW EDGE OF THE TRAVEL WAY. ALL ABOVE-GROUND STRUCTURES SUCH AS MAILBOXES, TRAFFIC CONTROL SIGNS, STREET SIGNS, FENCES, ETC., ARE TO BE RELOCATED PER FDOT AND LAKE COUNTY STANDARDS. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OR REMOVAL AND REPLACEMENT OF THESE STRUCTURES; SHALL MAINTAIN DAILY ACCESS TO MAILBOXES AND RELOCATE ALL FENCES TO THE RIGHT-OF-WAY LINE. THE ENGINEER OF RECORD MAY WAIVE SOME OF THESE REQUIREMENTS IF NECESSARY.
9. THE CONTRACTOR SHALL PERFORM THE WORK IN SUCH A MANNER THAT SUCCESSFULLY ACCOMPLISHES THE INTENDED DESIGN WITH MINIMAL IMPACT ON THE EXISTING CONDITIONS. ANY CONSTRUCTION ACTIVITY PERFORMED WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER OF RECORD THAT IS DEEMED EXCESSIVELY DISRUPTIVE TO EXISTING CONDITIONS OR SIGNIFICANTLY DEVIATES FROM THE LIMITS OF CONSTRUCTION AS SET FORTH BY THESE CONSTRUCTION PLANS SHALL BE CONSIDERED AS PART OF THE ORIGINAL WORK. NO ADDITIONAL COMPENSATION SHALL BE GIVEN TO RESTORE THE DISTURBED AREA(S). THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY SITE DAMAGE IN THE COURSE OF PERFORMING THE WORK.
10. SHOULD THE CONTRACTOR IDENTIFY ANY APPARENT ERRORS, DISCREPANCIES, OR OMISSIONS, THE CONTRACTOR SHALL NOTIFY THE COUNTY AND ENGINEER OF RECORD WITHIN A REASONABLE TIME FRAME, LESS THAN 48 HOURS AFTER DISCOVERY. THE CONTRACTOR SHALL NOT TAKE ADVANTAGE OF APPARENT ERRORS OR OMISSIONS IN THE DRAWINGS OR SPECIFICATIONS. THE ENGINEER SHALL BE PERMITTED TO MAKE CORRECTIONS AND INTERPRETATIONS AS MAY BE DEEMED NECESSARY FOR FULFILLMENT OF THE INTENT OF THE DESIGN.
11. THE CONTRACTOR SHALL VERIFY ALL EXISTING ROADWAY CROSS-SLOPES. ALL DETECTABLE WARNINGS ON SIDEWALK TERMINATIONS CONSTRUCTED BY THE CONTRACTOR SHALL EITHER BE CAST IN PLACE ADA MATS, OR COUNTY APPROVED EQUAL LISTED ON THE FDOT APPROVED PRODUCTS LIST (APL). THE COLOR SHALL BE SAFETY BRICK RED.
12. THE CONTRACTOR SHALL CHECK THE PLANS FOR CONFLICTS AND DISCREPANCIES BEFORE CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES BEFORE PERFORMING ANY WORK IN THE AFFECTED AREA.
13. ALL SPECIFICATIONS AND DOCUMENTS REFERRED TO SHALL BE THOSE LISTED ON THE KEY SHEET.
14. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE OWNER'S ENGINEER SHOP DRAWINGS ON ALL PRECAST AND MANUFACTURED ITEMS FOR THE SUBJECT SITE. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE. ALL SHOP DRAWINGS ARE TO BE REVIEWED AND APPROVED BY THE CONTRACTOR BEFORE SUBMITTAL TO THE OWNER'S ENGINEER.
15. AT LEAST THREE (3) WORKING DAYS BEFORE CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND APPROPRIATE AGENCIES, AND SUPPLY THEM WITH ALL REQUIRED SHOP DRAWINGS, CONTRACTOR'S NAME, STARTING DATE, PROJECTED SCHEDULE, AND OTHER INFORMATION AS REQUIRED. ANY WORK PERFORMED BEFORE NOTIFYING THE ENGINEER, OR, WITHOUT THE AGENCY INSPECTOR PRESENT, IT MAY BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL CONSTRUCTION RECORDS FOLLOWING THE FLORIDA DEPARTMENT OF TRANSPORTATION ("FDOT") AND LAKE COUNTY (FLORIDA) REQUIREMENTS, AS APPLICABLE.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL CONSTRUCTION-RELATED PERMITS, INCLUDING, BUT NOT LIMITED TO, RIGHT OF WAY PERMITS AND MAINTENANCE OF TRAFFIC PERMITS. ALL PERMITS MUST BE POSTED AND MAINTAINED BY THE CONTRACTOR ON A VISIBLE AND WEATHERPROOF PERMIT BOARD AT THE PROJECT SITE.
18. CONTRACTOR SHALL MEET ALL GENERAL FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION ("FDEP"), NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM ("NPDES"), SOUTH FLORIDA WATER MANAGEMENT DISTRICT ("SFWMD") AND LOCAL REQUIREMENTS THROUGHOUT THE PROJECT.
19. CONTRACTOR IS TO PROVIDE TWO (2) SETS OF HARD COPY AS-BUILTS AND ONE ELECTRONIC FILE. THE AS-BUILTS SHALL SHOW DRAINAGE INFORMATION AS WELL AS EDGE OF PAVEMENT SHOTS FOR THE ROADWAY.
20. CONTRACTOR SHALL PLACE MATERIALS STORED ALONG THE ROADWAY INSIDE THE RIGHT OF WAY TO CAUSE NO OBSTRUCTIONS TO THE TRAVELING PUBLIC.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR RESOLVING ALL PUNCH LIST ITEMS PREPARED BY LAKE COUNTY, THE ENGINEER OF RECORD, OR ITS DESIGNEE BEFORE FINAL ACCEPTANCE OF THE PROJECT.
22. CONTRACTOR SHALL COMPLY WITH ALL LAWS AND ANY APPLICABLE CODES OR AGENCIES HAVING JURISDICTION AS REQUIRED FOR THIS PROJECT.

PUBLIC NOTIFICATION

1. BEFORE CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO ALL RESIDENCES & BUSINESSES ADJACENT TO THE PROJECT LIMITS. A MINIMUM OF 14 CALENDAR DAYS BEFORE CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE TO THE COUNTY A COPY OF THE NOTIFICATION WITH A LIST OF THE PARTIES CONTACTED. THIS NOTICE SHALL INCLUDE, AT A MINIMUM, THE ANTICIPATED CONSTRUCTION SCHEDULE, MAINTENANCE OF TRAFFIC PLANS, AND ANY IMPACTS, PERMANENT OR TEMPORARY, TO THE SUBJECT RESIDENCE AND ITS ADJACENT AREA.

SURVEY

1. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL CONTROL AND BENCHMARK DATA BEFORE CONSTRUCTION. SHOULD THE CONTRACTOR DISCOVER ANY DISCREPANCIES IN DATA, THE CONTRACTOR SHALL BRING THESE DISCREPANCIES TO THE ATTENTION OF THE LAKE COUNTY SURVEY MANAGER AT (352) 253-6049. SEE SIGNED AND SEALED COMPONENT SURVEY PLANS FOR ADDITIONAL INFORMATION ON HORIZONTAL AND VERTICAL DATUM INFORMATION.
2. ALL (PRM'S) IRONS AND MONUMENTS SHOWN ON PLANS, OR FOUND, SHALL BE PRESERVED. THE CONTRACTOR SHALL PROTECT ANY IRONS OR MONUMENTS SHOWN IN THE PROPOSED PAVEMENT WITH A CAST IRON VALVE BOX.
3. THE CONTRACTOR SHALL PROTECT PUBLIC LAND CORNERS WITHIN THE LIMITS OF CONSTRUCTION. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED OR DISTURBED, THE COUNTY SURVEYOR SHALL BE IMMEDIATELY NOTIFIED OF THE DANGER OF BEING DESTROYED OR DISTURBED.
4. FOR ADDITIONAL SURVEY NOTES, SEE THE SURVEY MAP PREPARED BY SOUTHEASTERN SURVEYING.

EROSION AND SEDIMENT CONTROL

1. THE CONTRACTOR SHALL PROTECT ALL CONSTRUCTED INLETS, MITERED END SECTIONS, AND END WALLS WITH SOD (5' OF SOD IN ALL DIRECTIONS) PER FDOT DESIGN STANDARDS INDEX NO. 570-001, INDEX 524-001, AND AS SHOWN ON THE CONSTRUCTION PLANS.
2. THE LOCATION OF THE MINIMUM REQUIRED EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS SILT FENCES AND TURBIDITY BARRIERS, ARE SUMMARIZED ON THE PLAN SHEETS.
3. SOIL TRACKING PREVENTION DEVICES SHALL BE CONSTRUCTED AT POINTS OF EGRESS FROM UNSTABLE AREAS OF THE PROJECT TO ROADS WHERE OFF-SITE TRACKING OF MATERIAL COULD OCCUR.
4. THE CONTRACTOR SHALL SOD ALL DISTURBED AREAS UNLESS OTHERWISE NOTED. THE CONTRACTOR IS RESPONSIBLE FOR WATERING AND MAINTAINING SOD UNTIL FULLY ESTABLISHED AND AS ADDITIONALLY SHOWN ON THE CONSTRUCTION PLANS.
5. SOD SHALL BE REPLACED WITH THE ORIGINAL TYPE ON ALL RESIDENTIAL LOTS AND SHOWN ON PLANS.
6. THE CONTRACTOR SHALL DE-SILT ALL DRAINS, PIPES, AND SWALES WITHIN THE PROJECT BOUNDARY AT COMPLETION OF CONSTRUCTION.
7. THE CONTRACTOR SHALL OBTAIN A NPDES STORMWATER PERMIT BEFORE CONSTRUCTION.
8. EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLAN SHEETS SHALL BE PLACED BEFORE OR AS THE FIRST STEP IN CONSTRUCTION AND ARE THE MINIMUM REQUIRED. ADDITIONAL CONTROLS SHALL BE FURNISHED AS NEEDED AT NO ADDITIONAL COST. MATERIALS FROM WORK ON THESE PROJECTS SHALL BE CONTAINED AND NOT ALLOWED TO COLLECT ON ANY OFF-PERIMETER AREAS OR IN WATERWAYS. SILT FENCES, TURBIDITY BARRIERS, AND OTHER ESSENTIAL EROSION CONTROL MEASURES MUST REMAIN IN PLACE AND IN GOOD CONDITION AT ALL LOCATIONS IN THE CONSTRUCTION PLANS OR AS REQUIRED UNTIL STABILIZED SOILS AND VEGETATION ARE ESTABLISHED AND THE CONTRACT IS COMPLETE. MEASURES SHOWN ARE THE MINIMUM REQUIRED, AND THE CONTRACTOR SHALL ENSURE THAT THERE IS NO DIRECT OR INDIRECT DISCHARGE OF CONSTRUCTION MATERIALS INTO OFF-SITE AREAS OR WATERWAYS. THE CONTRACTOR SHALL REMOVE ALL EROSION AND SEDIMENT CONTROL MEASURES AFTER CONSTRUCTION.
9. THE CONTRACTOR SHALL INSTALL PEGGED SOD ON ALL SLOPES 3:1 OR STEEPER.

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Civil • Structural • Inspections
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ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

GENERAL NOTES (1)

SHEET NO. 20

DRAINAGE

1. ALL CURB INLETS, DITCH BOTTOM INLETS, AND MANHOLES WITHIN THE RIGHT-OF-WAY SHALL HAVE TRAFFIC BEARING FRAMES AND COVERS OR GRATES MEETING HS-20 LOADING REQUIREMENTS.
2. UNLESS OTHERWISE NOTED, ALL EXISTING DRAINAGE STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE REMOVED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING ALL PIPES, PIPE END TREATMENTS, AND DRAINAGE STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION IN A DRY CONDITION OR AS APPROVED BY THE DIRECTOR OF ENGINEERING.
4. CONSTRUCT ALL MITERED END SECTIONS PER FDOT DESIGN STANDARDS INDEX NO. 430-022 FOR CROSS PIPES AND SIDE PIPES, RESPECTIVELY.
5. THE CONTRACTOR SHALL SOD ALL DRAINAGE SWALES.
6. THE CONTRACTOR SHALL MAINTAIN ALL APPLICABLE STORM DRAINAGE SYSTEMS UNTIL THE FINAL ACCEPTANCE OF THE PROJECT.
7. CONTRACTOR IS RESPONSIBLE FOR STORMWATER MANAGEMENT AND PROTECTION OF THE EXISTING STORMWATER SYSTEM DURING ALL CONSTRUCTION. ANY DAMAGE TO THIS SYSTEM MUST BE CORRECTED IMMEDIATELY BY THE CONTRACTOR.

UTILITIES

1. CALL SUNSHINE 811 @ 1-800-432-4770 TO CONFIRM UTILITY LOCATIONS. 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 LOCATIONS/ ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED. THE UTILITIES SHOWN IN THE CONSTRUCTION PLANS MAY NOT BE ALL OF THE UTILITIES ON SITE. PRIOR TO COMMENCEMENT OF WORK, GENERAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL EXISTING UTILITIES IN LIMITS OF WORK WITH LAKE COUNTY, CITY OF CLERMONT, PROPERTY OWNERS AND RESPECTIVE UTILITY COMPANIES TO VERIFY IF EXISTING UTILITIES LOCATIONS WILL IMPACT NEW CONSTRUCTION SCOPE OF WORK, CONSTRUCTION SCHEDULE AND COST TO PROJECT. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE CONDITIONS.
2. ANY UTILITIES MARKED WITH QUALITY LEVEL (D) INDICATE INFORMATION WAS OBTAINED SOLELY FROM A REVIEW OF PREVIOUS UTILITY RECORDS, INFORMATION PROVIDED BY THE UTILITY OWNERS AND FROM AN OLDER SURVEY. CONTRACTOR SHOULD VERIFY THE ACCURACY OF SUCH INFORMATION PRIOR TO CONSTRUCTION. AN ASCE QUALITY A OR B DESIGNATION WILL BE NECESSARY BEFORE ANY ON-SITE WORK TAKES PLACE.
3. UTILITY/AGENCY OWNERS (UAO):

COMPANY	CONTACT	TELEPHONE NUMBER
CENTURYLINK (LUMEN)	SPENCER HUNTER	407-753-2736/407-814-5293
CHARTER COMMUNICATIONS (DBA SPECTRUM/ BRIGHT HOUSE)	DANNY SINGH	407-532-8137/407-233-9807
CITY OF CLERMONT WATER/WASTEWATER/RECLAIMED WATER	PAUL ERICKSON/MARK GRIFFIN	352-394-7177X4405/352-241-0178X6623
CITY OF CLERMONT FIBER	PAUL ERICKSON/MARK GRIFFIN	352-241-0178X6623
DUKE ENERGY - TRANSMISSION	SCOTT VANVELZOR	727-332-9403
DUKE ENERGY - DISTRIBUTION	PHILLIP OCHORO	805-889-9658
LAKE APOPKA NATURAL GAS (LANGD)	MINGO COLON	407-395-2965/407-803-2553
OPTICALTEL	CORY LARSEN	305-779-5760/561-843-6839
SELF STORAGE - PRIVATE FM	JESS BAILES	JESSB@abcfws.COM
SUMMIT BROADBAND	MIKE RINESMITH/MICHELLE DANIEL	407-996-1183/239-571-0568
SUMTER ELECTRIC (SECO) - DISTRIBUTION	SHERRY FOGARTY	601-812-8454/352-308-4707
VERIZON (FKA MCI)	TIM COLE	407-702-6425/407-506-8635
ZAYO GROUP	BRUCE HERRINGTON/MARK MATHIS	305-456-5100/813-277-4392

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITIES WHICH SHALL INCLUDE THE CITY OF CLERMONT BEFORE CONSTRUCTION AND COORDINATING UTILITY RELOCATION OR REMOVAL WITH THE PROJECT CONSTRUCTION.
   THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN AREAS OF BURIED UTILITY COMPANIES TO PERMIT MARKING THE LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR SHALL PROVIDE AT LEAST 48 HOURS' NOTICE TO THE VARIOUS UTILITY COMPANIES TO PERMIT MARKING THE LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES IN ADVANCE OF CONSTRUCTION BY CALLING "SUNSHINE" AT 1-800-432-4770. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITIES NOT INCLUDED IN THE "SUNSHINE" PROGRAM. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD (EOR), THE CITY OF CLERMONT AND LAKE COUNTY OF ANY CONFLICTS OR DISCREPANCIES BEFORE PERFORMING ANY WORK IN THE AFFECTED PROJECT AREA.
5. THE CONTRACTOR SHALL PERFORM SOFT DIGS WHEN WORKING NEAR UNDERGROUND UTILITIES TO AVOID UTILITY STRIKES WHILE PERFORMING THE WORK.
6. FOR EXISTING CITY OF CLERMONT UTILITIES & APPURTENANCES DISPOSITIONS, SEE UTILITY ADJUSTMENT PLANS PREPARED BY HALFF ASSOCIATES, INC., DATED 06-04-2024. INFORMATION SHOWN ON THESE PLANS FOR THE CITY OF CLERMONT UTILITIES IS FOR REFERENCE ONLY. OM ENGINEERING SERVICES, INC. ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION.
7. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED BY THE CONTRACTOR.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS OF THE VARIOUS GOVERNMENTAL AGENCIES. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS BEFORE CONSTRUCTION, AND SCHEDULE INSPECTIONS ACCORDING TO AGENCY INSTRUCTIONS.
9. CHAPTER 556.105 OF THE FLORIDA STATUTES REQUIRES THAT AN EXCAVATOR NOTIFY ALL GAS UTILITIES A MINIMUM OF TWO (2) WORKING DAYS BEFORE EXCAVATING. MAPS, IF ANY, SHOW ONLY THE APPROXIMATE LOCATION OF GAS MAINS AND DO NOT SHOW SERVICE LINES. THE ONLY SAFE AND PROPER WAY TO LOCATE EITHER MAINS OR SERVICE LINES IS BY AN ON-SITE INSPECTION BY THE RESPECTIVE GAS PERSONNEL. THEREFORE, EXCAVATORS SHALL CONTACT VIA TELEPHONE THE RESPECTIVE GAS COMPANY TWO (2) WORKING DAYS BEFORE ENTERING A CONSTRUCTION AREA.
10. CONTRACTOR SHALL FIELD SURVEY AND VERIFY THAT ALL EXISTING UNKNOWN/UNCLAIMED UNDERGROUND UTILITIES ARE ACTIVE OR ABANDON PRIOR TO COMMENCEMENT OF WORK, NOTIFY RESPECTIVE PROPERTY OWNER & UTILITY COMPANY TO CONFIRM PLAN OF ACTION BY CONTRACTOR.
11. WHERE THE WORD "BY OTHERS" IS USED, IT SHALL MEAN THE SCOPE OF WORK INDICATED SHALL BE PROVIDED UNDER SEPARATE CONTRACT BY OTHERS. WHERE THE WORD "BY OTHERS" IS NOT USED, IT SHALL MEAN THE SCOPE OF WORK INDICATED SHALL BE PROVIDED UNDER THIS CONTRACT BY THE CONTRACTOR.
12. CONTRACTOR TO NOTIFY DUKE TRANSMISSION 4 WEEKS PRIOR TO EXCAVATING/FILLING AROUND THE DUKE ENERGY FACILITIES.
13. ALL STAKING OF PROPOSED CONSTRUCTION TO ALLOW FOR PROPER INSTALLATION/RELOCATION OF UTILITY FACILITIES, AS INDICATED ON THE UTILITY WORK SCHEDULE, SHALL BE PERFORMED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE IMPACTED UTILITIES AND STAKE THE ITEMS REQUESTED. THIS STAKING SHALL BE SEPARATE AND IN ADDITION TO THE NORMAL STAKING FOR THE PROJECT. THE COST OF THIS STAKING SHALL BE INCIDENTAL TO AND INCLUDED IN THE COST OF THE PROJECT.
14. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH RESPECTIVE UTILITIES, THE CITY OF CLERMONT AND LAKE COUNTY AT LEAST 4 WEEKS PRIOR TO START OF CONSTRUCTION.
15. COORDINATE DISPOSITION/RELOCATION OF THE SELF- STORAGE WATER METER ASSEMBLY, DDCVA ASSEMBLY & BACKFLOW PREVENTER ASSEMBLY, CONNECTED SERVICE LINES & APPURTENANCES WITH THE DEVELOPER (SELF STORAGE), CITY OF CLERMONT & THE COUNTY. CONTRACTOR TO HIRE SPECIALITY ENGINEER CERTIFIED IN THE STATE OF FLORIDA AND PROVIDE SIGNED AND SEALED SHOP DRAWINGS SHOWING THE RECONNECTIONS OF THE SITE WATER INFRASTRUCTURE FOR REVIEW AND APPROVAL. CONTRACTOR IS ALSO RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND SHALL INCLUDE THIS SCOPE OF WORK IN THE PROJECT CONSTRUCTION SCHEDULE. ANY DELAY OR INCONVENIENCE BY THE CONTRACTOR SHALL BE INCIDENTAL TO THE CONTRACT.
16. COORDINATE DISPOSITION/RELOCATION OF THE CITY OF CLERMONT'S BFOC (BURIED FIBER OPTIC CABLE) WITH THE CITY OF CLERMONT. CONTRACTOR TO BE RESPONSIBLE FOR ANY ADJUSTMENTS, RELOCATIONS OR INSTALLATION OF NEW BFOC, WHERE IN CONFLICT WITH THIS PROJECT. CONTRACTOR IS ALSO RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND SHALL INCLUDE THIS SCOPE OF WORK IN THE PROJECT CONSTRUCTION SCHEDULE. ANY DELAY OR INCONVENIENCE BY THE CONTRACTOR SHALL BE INCIDENTAL TO THE CONTRACT.

TREES AND LANDSCAPING

1. THE CONTRACTOR SHALL REPLACE LANDSCAPING THAT IS REMOVED OR DESTROYED WITHIN THE LIMITS OF CONSTRUCTION.
2. THE CONTRACTOR SHALL TRIM TREES TO THE RIGHT-OF-WAY LINE OR WITHIN 8' OF EOP TO A HEIGHT OF 18', WHICHEVER IS LESS.

DRIVEWAYS

1. THE CONTRACTOR SHALL PAVE DRIVEWAYS WITHIN THE RIGHT-OF-WAY.
2. DRIVEWAYS SHALL NOT EXCEED 14% SLOPE.
3. EXISTING CONCRETE DRIVEWAYS CONSTRUCTED BY THE CONTRACTOR SHALL INCLUDE CONCRETE APRONS. CONCRETE SHALL BE A MINIMUM OF SIX (6) INCHES THICK, 3,000 PSI. REINFORCED CONCRETE.
4. DRIVEWAY LOCATIONS AND WIDTHS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER OF RECORD.

TRAFFIC CONTROL

1. THE CONTRACTOR SHALL MAINTAIN TRAFFIC ON EXISTING STREETS AND DRIVEWAYS FOR THE LOCAL TRAFFIC AND PROPERTY OWNERS.
2. ALL ROADS SHALL BE OPEN TO TRAFFIC WITH NO PERMANENT LANE CLOSURES ALLOWED. THE CONTRACTOR SHALL CONFORM TO THE LATEST EDITIONS OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS, INDEX 102-600 TO 102-680, AS APPLICABLE.
3. ANY TEMPORARY ROAD CLOSURE REQUIRES AN AUTHORIZATION REQUEST MADE TO LAKE COUNTY ROAD OPERATIONS AT (352) 343-6439 AND AT LEAST (3) DAYS' NOTICE BEFORE CLOSURE. THE CONTRACTOR IS REQUIRED TO SUPPLY A DETOUR PLAN WHEN REQUESTING A ROADWAY/STREET CLOSURE. NO ROADWAY/STREET CLOSURE SHALL TAKE PLACE WITHOUT THE COUNTY APPROVAL OF THE DETOUR PLAN. THE CONTRACTOR SHALL SUPPLY ALL SIGNAGE ASSOCIATED WITH CLOSURE AND DETOUR.
4. ANY EXISTING VEHICLE DETECTION LOOPS DAMAGED BY THE CONTRACTOR DURING THE CONSTRUCTION, THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN TEMPORARY DETECTION LOOPS.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE OF TRAFFIC (MOT) REQUIRED FOR THE WORK'S COMPLETION. INCLUDING, BUT NOT LIMITED TO, COORDINATING LANE CLOSURES AND DETOURS WITH THE RESPECTIVE GOVERNING AGENCIES (FDOT AND LAKE COUNTY) AND SHALL BE RESPONSIBLE FOR COORDINATING WITH FLORIDA HIGHWAY PATROL (FHP) AND THE LAKE COUNTY SHERIFF'S (LCS) DEPARTMENTS AS MAY BE REQUIRED, AND AS REQUIRED FOR APPROVAL. MODIFICATIONS TO THE MOT PLAN OUTLINED IN THE DRAWINGS MAY BE ALLOWABLE, PROVIDED LAKE COUNTY OR THE ENGINEER OF RECORD AUTHORIZED REPRESENTATIVE APPROVES THE MODIFICATIONS IN WRITING BEFORE ANY MODIFICATION. THE CONTRACTOR SHALL CONDUCT THE WORK AT ALL TIMES IN SUCH MANNER AND SEQUENCE AS TO ENSURE THE LEAST PRACTICABLE INTERFERENCE WITH TRAFFIC.

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

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

GENERAL NOTES (2)

SHEET NO. 21

LEGEND

MILLING AND RESURFACING

SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION

N

0 10 40

Feet

MATCHLINE STA 611+60, SEE PLAN SHEET (18)

R/W LINE

EXIST. MES AND PIPE TO REMAIN

SITE BENCHMARK
3.5" ROUND BRASS FDOT SURVEY DISK
STAMPED "D5PNC 12101 004"
ELEVATION=161.78
N=1515142.36
E=425389.82
STA=103+73.63
OFFSET=-47.99 LT

EXIST. INLET AND PIPE TO REMAIN

5' CONC SIDEWALK

TYPE F CURB & GUTTER

EXIST. SIDEWALK (TO BE REMOVED)

R/W LINE

AB-105L 24"
ELEVATION=106.8

PUBLIX

EXIST. INLET AND PIPES TO REMAIN

CONSTRUCTION EASEMENT

EXIST. INLET AND PIPES TO REMAIN

+25.00
57.50' (LT)

+25.00
50.16' (LT)

+94.00
57.50' (LT)

+94.00
50.15' (LT)

611

+29.08
4.95' (LT)

+29.08
17.95' (LT)

SAWCUT

50'R

S-100

CONST 77 LF OF 14"x23" ERCP

℄ CONST HARTWOOD MARSH ROAD

S 89° 42' 05" E

103 104 105 106 107 108

40'

CONST 73 LF OF 18" RCP

S-104

CR-F

15'R

34.5'

40.0'

STA 108+00

50.15'

STA 102+78.16
℄ CONST HARTWOOD MARSH ROAD =
STA 610+67.99
℄ CONST US 27

US 27

BEGIN CONSTRUCTION STA 102+78.16

BEGIN PROJECT STA 103+37.72

BEGIN GRAVITY WALL 1 W/ PICKET RAILING
+33.00, 47.67' RT

4' TRAFFIC SEPARATOR (TYPE I)

29.5'

HARTWOOD MARSH ROAD

39.0'

CONST 282 LF OF 18" RCP

S-101

S-103

CR-G

35'R

18" RCP

30'R

MATCHLINE

49.85'

40'R

SAWCUT

610

℄ CONST US 27

+30.00
49.83' (RT)

UTILITY EASEMENT
PER ORB 2009, PAGE 1234

+17.75
63.16' (RT)

R/W LINE

6' CONC SIDEWALK

GRAVITY WALL W/ PICKET RAILING

END GRAVITY WALL 1 W/ PICKET RAILING
+20.51, 47.67' RT

+30.00
49.84' (RT)

+30.00
68.00' (RT)

CONSTRUCTION EASEMENT

TYPE F CURB & GUTTER

EXIST. MES AND PIPE TO REMAIN

609+20.00
56.42' (RT)

EXIST. INLET AND PIPES TO REMAIN

R/W LINE

R/W LINE

609

US 27

ROYAL OAKS PLAZA

NOTE: GRAVITY WALL SCHEME 2 PER STANDARD PLANS INDEX 400-011

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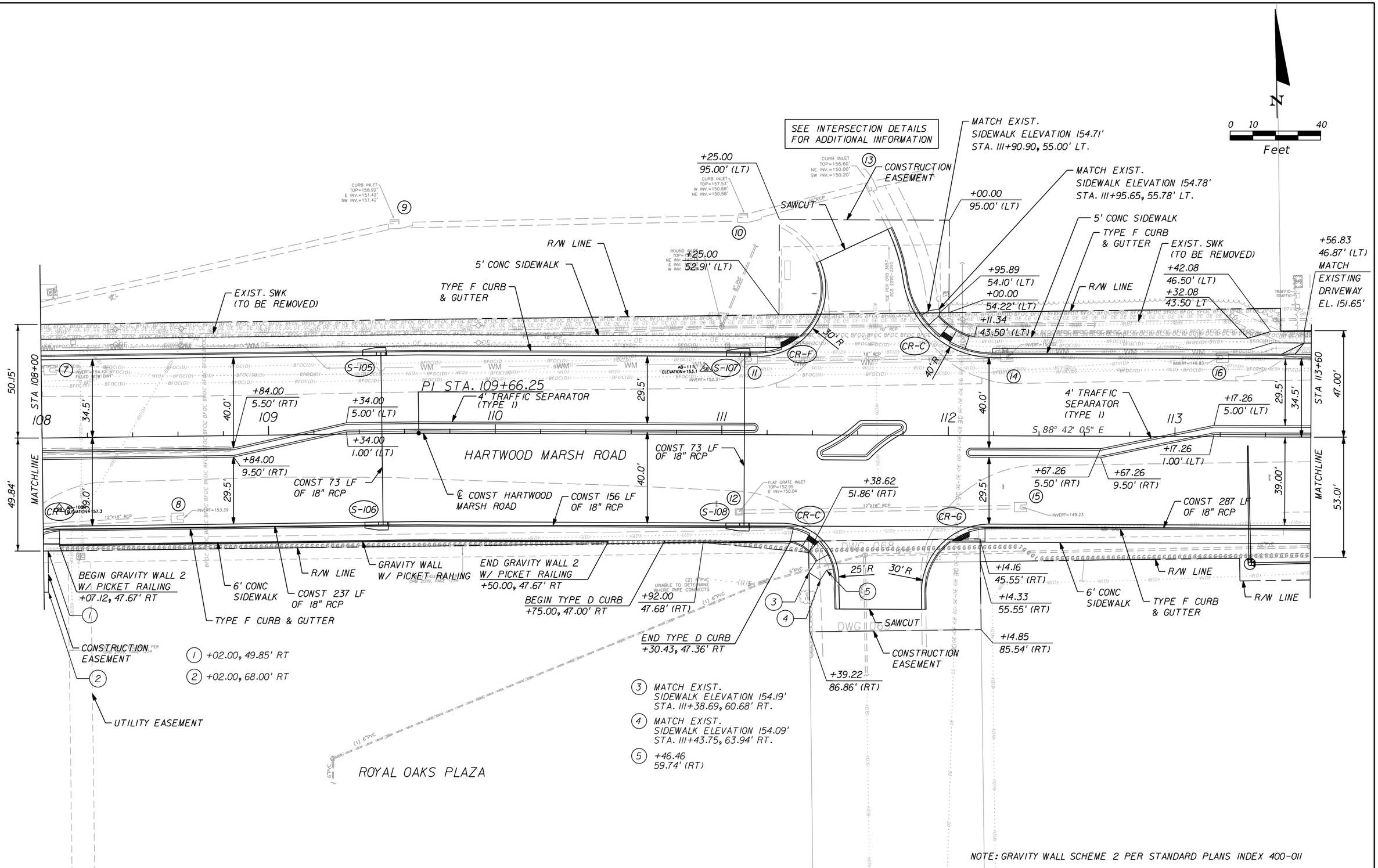
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PLAN SHEET (1)
HARTWOOD MARSH ROAD

SHEET NO. 22



NOTE: GRAVITY WALL SCHEME 2 PER STANDARD PLANS INDEX 400-011

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OM ENGINEERING SERVICES, INC.
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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PLAN SHEET (2) HARTWOOD MARSH ROAD

SHEET NO. 23

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

(6) +37.96, 49.41' LT
MATCH EXIST.
SIDEWALK EL. 151.69'

(7) +03.50, 49.47' LT
MATCH EXIST.
SIDEWALK EL. 149.95'

SEE INTERSECTION DETAILS
FOR ADDITIONAL INFORMATION

CITY OF CLERMONT
FIRE STATION # 2

(1) +32.50, 41.50' LT

(2) +40.00, 44.84' LT
MATCH EXIST.
SIDEWALK EL. 151.62'

(3) +03.50, 44.47' LT
MATCH EXIST.
SIDEWALK EL. 149.86'

(4) +91.38, 75.00' LT

(5) +94.56, 62.54' LT

CONST. 8" CONC DRIVEWAY
℄ STA. 113+87.18, 41.50' (LT)

+17.54
48.10' (LT)
MATCH EXISTING
DRIVEWAY
EL. 151.50'

EXIST. SWK
(TO REMAIN)

R/W LINE

MAST ARM

EXIST. INLET AND
PIPE TO REMAIN

DANBURY MILL BLVD

+86.39
155.00' LT

MATCH EXIST.
SIDEWALK ELEVATION

+91.39
155.00' LT

5' CONC SIDEWALK

R/W LINE

1.0'

A A

EXIST. INLET AND
PIPES TO REMAIN

+92.69
71.11' (LT)

CURB INLET
RIM ELEV : 147.0'
BOTTOM PIPE : 142.7'

26' R

+13.92
48.22' LT

BEGIN PERIMETER WALL PW-1
116+24.00, 59.50' LT

+18.75
42.50' LT

6' CONC SIDEWALK

STORM MANHOLE
RIM ELEV: 147.0'
WEST INVERT : 134.4'
EAST INVERT : 134.5'

EXIST. MANHOLE
AND PIPE TO REMAIN

TYPE F CURB
& GUTTER

BEGIN TRANSITION LT
+10.00, 34.50' LT

PERIMETER WALL PW-1

R/W LINE

EXIST. FENCE
(TO BE REMOVED)

SOD
2'
0.02
MAX
1:6
R/W LINE
1' SOD
5' CONC SIDEWALK

SECTION A-A
NTS

N
0 10 40
Feet

M-13 S-110 S-111 S-113 S-109 S-109A S-112 S-112A S-114

CR-F CR-E CR-A CR-G

PI STA. 115+39.23

+01.47
50.08' LT

50' R

40' R

CONST DROP CURB

+22.26
3.00' LT

TYPE F CURB
& GUTTER

CONST 206 LF
OF 18" RCP

CONST 73 LF
OF 18" RCP

HARTWOOD MARSH ROAD

TYPE E CURB
& GUTTER

+10.00
6.50' (LT)

+60.00
4.00' (RT)

CONST 67 LF
OF 18" RCP

+98.50
3.00' LT

+72.26
3.00' LT

4' TRAFFIC SEPARATOR
(TYPE I)

+16.00
7.50' RT

4' TRAFFIC
SEPARATOR
(TYPE I)

℄ CONST HARTWOOD MARSH ROAD

+60.00
11.00' (RT)

CONST 73 LF
OF 18" RCP

EXIST. EMERGENCY SIGNAL
TO BE REMOVED

18" RCP
CONST 87 LF
OF 18" RCP

+37.41
66.67' (RT)

R/W LINE

MAST ARM

CONSTRUCTION EASEMENT

CONST 97 LF
OF 24" RCP

CONST 97 LF
OF 24" RCP

24" RCP

6' CONC SIDEWALK

R/W LINE

FLORIDA DISCOUNT SELF STORAGE

47.00'
STA 113+60
34.5'
29.5'
53.01'
MATCHLINE
39.0'
40.0'

STA 119+20
50.10'
28'
MATCHLINE
49.90'
39.0'

114 115 116 117 118 119

NOTE: GRAVITY WALL SCHEME 2 PER STANDARD PLANS INDEX 400-011

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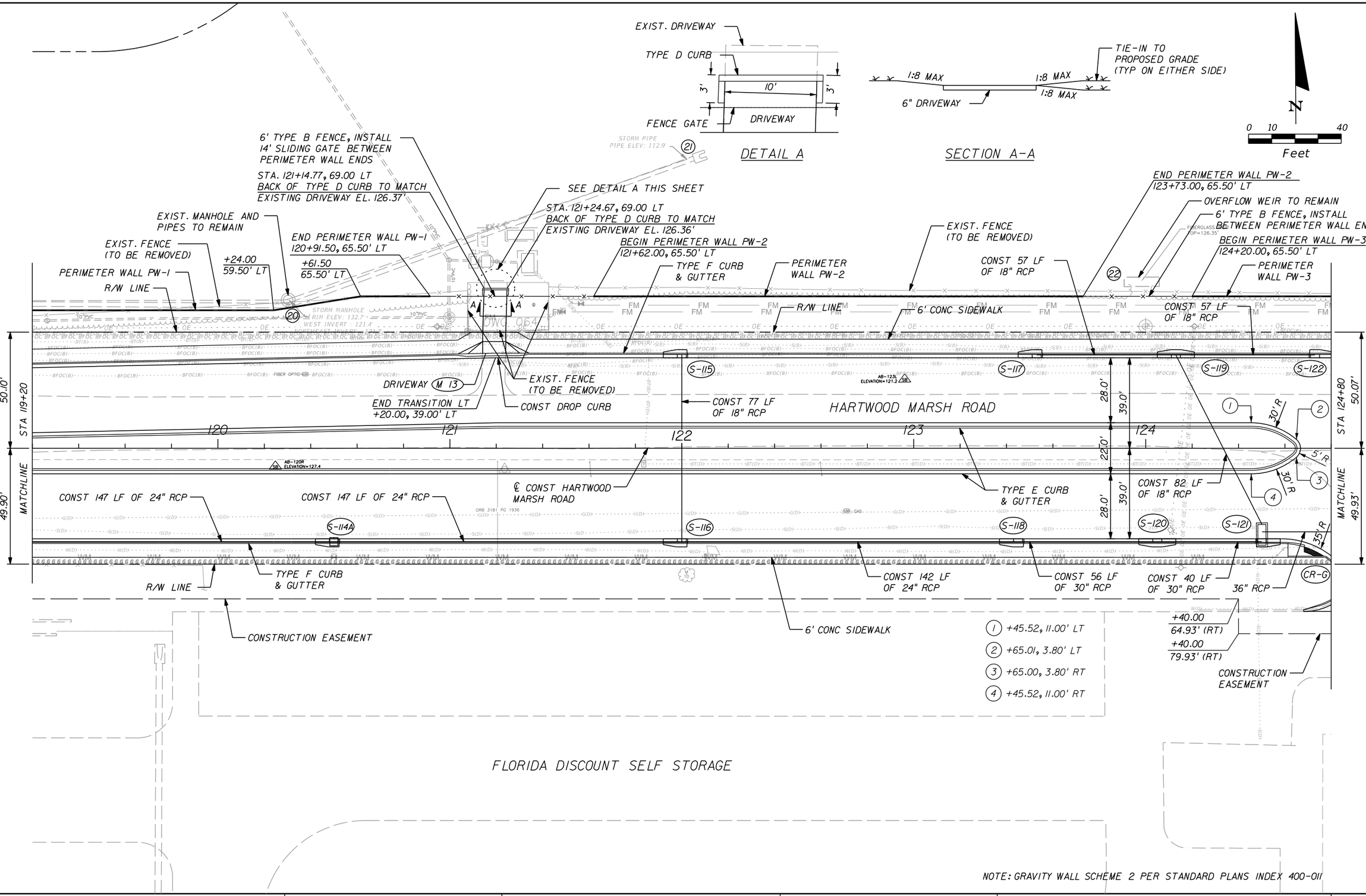
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH
ROAD - PHASE I

PLAN SHEET (3)
HARTWOOD MARSH ROAD

SHEET NO. 24



REVISIONS		
DATE	BY	DESCRIPTION

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621 E. WASHINGTON ST., STE 8
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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PLAN SHEET (4) HARTWOOD MARSH ROAD

SHEET NO. 25

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SUTHERLAND AT KINGS RIDGE
PB 40, PGS 17–18

PARCEL IDENTIFICATION: 04-23-26-2310-000-76900
ALTERNATE KEY: 3783551
ADDRESS: 4320 HAMMERSMITH DRIVE CLERMONT FL, 34711
OWNER: WILLIAM E DARLING & CAROLYN F DARLING
DEED: ORB 1694 PG 472

E LINE OF SW 1/4 OF NE 1/4 OF SEC 9-23S-26E
W LINE OF SE 1/4 OF NE 1/4 OF SEC 9-23S-26E

LOT 770

PARCEL IDENTIFICATION: 04-23-26-2310-000-77000
ALTERNATE KEY: 3783552
ADDRESS: 4322 HAMMERSMITH DRIVE CLERMONT FL, 34711
OWNER: DANIEL K BROADWATER & KATHRYN N BROADWATER
DEED: ORB 5050 PG 2441

WELLINGTON AT KINGS RIDGE PHASE III
PLAT BOOK 40, PAGES 42–43

N

0 10 40
Feet

TRACT "A"
DESIGNATED FOR LANDSCAPING, UTILITIES, DRAINAGE, STORMWATER RETENTION, AND MAY BE FURTHER DESIGNATED BY THE OWNER
PLAT BOOK 40, PAGES 17–18

PARCEL IDENTIFICATION: 04-23-26-1950-00A-00000
ALTERNATE KEY: 3793468
ADDRESS: EDMONTON COURT CLERMONT FL, 34711
OWNER: KINGS RIDGE COMMUNITY ASSN INC
DEED: ORB 2521 PG 786

PERIMETER WALL PW-3

EXIST. FENCE
(TO BE REMOVED)

LOT 771

PARCEL IDENTIFICATION: 04-23-26-2310-000-77100
ALTERNATE KEY: 3783553
ADDRESS: 4324 HAMMERSMITH DRIVE CLERMONT FL, 34711
OWNER: WALTON DONALD C LIFE ESTATE
DEED: ORB 5827 PG 1377

TYPE F CURB & GUTTER

R/W LINE

LOT 772

PARCEL IDENTIFICATION: 04-23-26-2310-000-77200
ALTERNATE KEY: 3783554
ADDRESS: 4326 HAMMERSMITH DRIVE CLERMONT FL, 34711
OWNER: PATRICIA KOKKINIS REVOCABLE TRUST
DEED: ORB 5704 PG 858

6' CONC SIDEWALK

LOT 773

PARCEL IDENTIFICATION: 04-23-26-2310-000-77300
ALTERNATE KEY: 3783555
ADDRESS: 4328 HAMMERSMITH DRIVE CLERMONT FL, 34711
OWNER: CHRISTOPHER P NELSON & MICHELE C NELSON
DEED: ORB 4607 PG 481

LOT 774

PARCEL IDENTIFICATION: 04-23-26-2310-000-77400
ALTERNATE KEY: 3783556
ADDRESS: 4330 HAMMERSMITH DRIVE CLERMONT FL, 3
OWNER: WILLIAN KAPLAN & ARLEEN KAPLAN LIFE ESTAT
DEED: ORB 2212 PG 812

EXIST. FENCE
(TO BE REMOVED)

TRACT "B"
DESIGNATED FOR LANDSCAPING, ORNAMENTAL WALL, UTILITIES, AND MAY BE FURTHER DESIGNATED BY TH

PARCEL IDENTIFICATION: 04-23-26-2310-000-00000 ALTERNATE KEY: 3793464
ADDRESS: HARTWOOD MARSH ROAD CLERMONT FL, 34711 OWNER: KINGS RIDGE COMMUNITY ASSN INC DEED: ORB 2521 PG 844

50.07'
STA 124+80
MATCHLINE
49.93'

125
S LINE OF SW 1/4 OF NE 1/4 OF SEC 9-23S-26E
S-123A
126
127
128
129
130
STA 130+40
50.04'
MATCHLINE
59.97'

42.5'
40.00'
28.0'
39.0'
22.0'
28.0'
39.0'

STA 127+50.00
℄ CONST HARTWOOD MARSH ROAD =
STA 66+00.00 ℄ CONST POND 1 & 2

CONST 74 LF
OF 18" RCP

SITE BENCHMARK
SET 5/8" IRON ROD
"SSMC TRAN1 PT."
ELEVATION=128.32

HARTWOOD MARSH ROAD

℄ CONST HARTWOOD
MARSH ROAD

+50.00
11.00' (LT)

+00.00
3.50' (RT)

S 89° 42' 05" E

90°0'0"

+00.00
9.50' (RT)

TYPE E CURB & GUTTER

+65.00
6.50' RT

CONST 25 LF
OF 18" RCP

6' TRAFFIC SEPARATOR (TYPE I)

CONST DROP CURB

S-123B

CONST 115 LF
OF 36" RCP

S-123

AB-126R
ELEVATION=120.1

CONST 184 LF
OF 36" RCP

I-49

CONST 14 LF
OF 36" RCP

EXIST. PIPE TO REMAIN

TRACT K (PUBLIC)
RIGHT-OF-WAY DEDICATION
PER PB 75 PGS 22-32
ALTERNATE KEY: 3926918
PARCEL IDENTIFICATION:
09-23-26-0100-000-00000
SEN FLORIDA 59 LLC

CR-G

35'R

R/W LINE

TYPE F CURB
& GUTTER

6' CONC SIDEWALK

+69.04
45.00' (RT)

I-192

+64.04
64.88' (RT)
MATCH EXIST. CONC TRAIL EL. 126.42'

EXIST. CONC TRAIL

TRACT R – TRAIL & UTILITY EASEMENT (PUBLIC)

R/W LINE

+69.04
74.82' (RT)
MATCH EXIST. CONC TRAIL EL. 126.54'

TRACT Q – LANDSCAPE, IRRIGATION, & WALL EASEMENT (PUBLIC)

CONSTRUCTION
EASEMENT

DRIVEWAY A 2

+36.41
64.94' (RT)

+64.04
50.00' (RT)

+80.00
64.94' (RT)

+80.00
79.94' (RT)

EXIST. INLET AND
PIPE TO REMAIN

SEE INTERSECTION DETAILS
FOR ADDITIONAL INFORMATION

PARCEL IDENTIFICATION: 13-23-25-0805-037-00000
ALTERNATE KEY: 1782401
ADDRESS: 2300 HARTWOOD MARSH RD CLERMONT FL, 34711
OWNER: FLORIDA DISCOUNT SELF STORAGE NO 4 LLC
DEED: ORB 3114 PG 2021

FLORIDA DISCOUNT SELF STORAGE

INFORMATION SHOWN FOR THE
SELF STORAGE PROPERTY IS
FROM AS-BUILT PLANS.

℄ CONST POND 1 & 2

EXIST. PIPE TO REMAIN
TO I-48

E LINE OF SW 1/4 OF SE 1/4 OF SEC 9-23S-26E
W LINE OF SE 1/4 OF SE 1/4 OF SEC 9-23S-26E
TRACT E STORMWATER/OPEN SPACE & DRAINAGE EASEMENT

PARCEL IDENTIFICATION: 09-23-26-0100-000-00100
ALTERNATE KEY: 3926743
ADDRESS: UNASSIGNED CLERMONT FL, 34711
OWNER: HARTWOOD LANDING PROPERTY OWNERS ASSN INC

S 00° 17' 55" W
65

HARTWOOD LANDINGS

HARTWOOD LANDING
PB 75, PGS 22-32

LOT 16
PARCEL IDENTIFICATION: 09-23-26-0100-000-01600
ALTERNATE KEY: 3926751
ADDRESS: 4319 RENLY LANE CLERMONT FL, 34711
OWNER: DREAM FINDERS HOMES LLC
DEED: ORB 5821 PG 1108

LOT 15
PARCEL IDENTIFICATION: 09-23-26-0100-000-01500
ALTERNATE KEY: 3926750
ADDRESS: 4315 RENLY LANE CLERMONT FL, 34711
OWNER: DREAM FINDERS HOMES LLC
DEED: ORB 5821 PG 1108

LOT 14
PARCEL IDENTIFICATION: 09-23-26-0100-000-0
ALTERNATE KEY: 3926749
ADDRESS: 4316 RENLY LANE CLERMONT FL, 34
OWNER: DREAM FINDERS HOMES LLC
DEED: ORB 5821 PG 1108

LOT 17
PARCEL IDENTIFICATION: 09-23-26-0100-000-01700
ALTERNATE KEY: 3926752
ADDRESS: 4323 RENLY LANE CLERMONT FL, 34711
OWNER: DREAM FINDERS HOMES LLC
DEED: ORB 5821 PG 1108

SEE POND DETAILS AND
LATERAL OUTFALL PLANS
FOR ADDITIONAL INFORMATION

NOTE: GRAVITY WALL SCHEME 2 PER STANDARD PLANS INDEX 400-011

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PLAN SHEET (5)
HARTWOOD MARSH ROAD

SHEET NO. 26

WELLINGTON AT KINGS RIDGE PHASE III
PLAT BOOK 40, PAGES 42–43

CAMBRIDGE AT KINGS RIDGE

CAMBRIDGE AT KINGS RIDGE
PLAT BOOK 41, PAGES 43–45

N

0 10 40
Feet

LOT 777
PARCEL IDENTIFICATION: 04-23-26-2310-000-77700
ALTERNATE KEY: 3783559
ADDRESS: 4336 HAMMERSMITH DRIVE CLERMONT FL, 34711
OWNER: WALTER W JR & ELOISE T LEGGETT
DEED: ORB 4275 PG 1946

LOT 775
PARCEL IDENTIFICATION: 04-23-26-2310-000-77500
ALTERNATE KEY: 3783557
ADDRESS: 4332 HAMMERSMITH DRIVE CLERMONT FL, 34711
OWNER: RONALD L THURSTON
DEED: ORB 4773 PG 802

LOT 776
PARCEL IDENTIFICATION: 04-23-26-2310-000-77600
ALTERNATE KEY: 3783558
ADDRESS: 4334 HAMMERSMITH DRIVE CLERMONT FL, 34711
OWNER: SHARON K DRINKWATER
DEED: ORB 1701 PG 532

TRACT E
(DRAINAGE, STORMWATER RETENTION & UTILITIES)
DESIGNATED FOR DRAINAGE, STORMWATER RETENTION, AND UTILITIES AND MAY BE FURTHER DESIGNATED BY THE OWNER

PARCEL IDENTIFICATION: 04-23-26-0300-00E-00000
ALTERNATE KEY: 3925466
ADDRESS: KINGSLEY STREET CLERMONT FL, 34711
OWNER: KINGS RIDGE COMMUNITY ASSN INC
DEED: ORB 2521, PG 476

TRACT "B"
DESIGNATED FOR LANDSCAPING, ORNAMENTAL WALL, UTILITIES, AND MAY BE FURTHER DESIGNATED BY THE OWNER

PARCEL IDENTIFICATION: 04-23-26-2310-00B-00000 ALTERNATE KEY: 3793464
ADDRESS: 4411 HARTWOOD MARSH ROAD CLERMONT FL, 34711 OWNER: KINGS RIDGE COMMUNITY ASSN INC DEED: ORB 2521 PG 844

EXIST. FENCE BEYOND THE PERIMTER WALL TO REMAIN
PERIMETER WALL PW-3
EXIST. FENCE (TO BE REMOVED)
6' CONC SIDEWALK
R/W LINE
CONST 57 LF OF 18" RCP
R/W LINE
4' TRAFFIC SEPARATOR (TYPE I)
CONST 77 LF OF 18" RCP
TYPE E CURB & GUTTER
CONST 7 LF OF 24" RCP
TYPE F CURB & GUTTER
EXIST. PIPE TO REMAIN
CONST 80 LF OF 18" RCP
CONST 57 LF OF 18" RCP
CONST 87 LF OF 18" RCP
REMOVE 18" PIPE
CONST 87 LF OF 18" RCP
CONST 57 LF OF 18" RCP
CONST 4 LF OF 24" RCP
CONST 57 LF OF 18" RCP
EXIST. PIPE AND MANHOLES TO REMAIN
EXIST. PIPE TO REMAIN
EXIST. CONC TRAIL
R/W LINE
R/W LINE
R/W LINE

S-131 S-132 S-132A S-133 S-134 S-135 S-136 S-136A S-137 S-138 S-139 S-140
I-193 DM-192A 29

STA 130+40
STA 136+00
MATCHLINE
MATCHLINE
50.04'
59.97'
28.0'
39.0'
22.0'
28.0'
39.0'
39.0'
28.0'
29.5'
50.01'
60.0'
65.49'

131 132 133 134 135 136

+22.91 11.00' (LT)
+24.08 5.24' (LT)
+30.22 5.21' (RT)
+52.30 1.00' (RT)
+99.23 11.00' (RT)
+01.36 10.12' (RT)
+31.32 11.00' (RT)
+43.92 55.00' (RT)
+69.41 53.00' (RT)
+09.00 53.00' (RT)
+19.00 55.00' (RT)
+29.00 59.98' (RT)
+29.00 101.00' RT
+48.30 101.00' RT
+59.05 57.15' (RT)
MATCH EXIST. CONC TRAIL EL. 126.01'
+48.15 66.40' (RT)
+53.46 81.81' (RT)
+71.31 70.28' (RT)
+61.21 84.40' (RT)
+88.00 59.98' (RT)
+88.00 101.00' RT
+68.30 101.00' RT
+99.70 39.00' (RT)
+99.64 43.00' (RT)
+41.61 53.93' (RT)
+08.00 53.19' (RT)
+98.00 55.00' (RT)
+50.63 57.20' (RT)
MATCH EXIST. CONC TRAIL EL 123.12'
+93.00 11.00' (LT)
+43.00 1.00' (RT)
+81.00 14.50' RT
+81.00 11.00' LT
+81.00 4.00' LT
+47.00 42.50' RT
+97.00 54.50' RT

BEGIN TRANSITION RT
+00.00, 11.00' RT
+77.95 55.03' (RT)
END TRANSITION RT
+57.50, 14.50' RT

50' R 25' R 20' R 15' R 72' R 3' R 60' R 45' R

AB-133L ELEVATION=123.0
AB-135L ELEVATION=120.0
SITE BENCHMARK
SET 5/8" IRON ROD
"SSMC TRAV. PT."
ELEVATION=119.84
TOP=119.84
INV: 112.96
TOP=119.48
INV: 112.65
W INV: 112.71
TOP=120.48
S INV: 112.96

SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION

(1) 4" THICK CONCRETE TRAIL (SEE PATH SEPARATOR DETAIL FOR GEOMETRY AT CURB RETURNS)
(2) CONSTRUCTION EASEMENT

(3) MATCH EXIST. CONC. TRAIL EL. 125.82' STA. 130+52.15, 49.91' RT.
(4) MATCH EXIST. SIDEWALK EL. 125.16' STA. 131+48.46, 88.82' RT.
(5) MATCH EXIST. SIDEWALK EL. 125.20' STA. 131+53.46, 88.82' RT.
(6) MATCH EXIST. SIDEWALK EL. 124.39' STA. 132+53.89, 88.82' RT.
(7) MATCH EXIST. SIDEWALK EL. 124.41' STA. 132+58.49, 90.78' RT.
(8) MATCH EXIST. CONC. TRAIL EL. 122.83' STA. 133+56.86, 49.39' RT.

TRACT L OPEN SPACE/BUFFER (PRIVATE)
PARCEL IDENTIFICATION: 09-23-26-0100-00L-00000
OWNER: HARTWOOD LANDINGS PROPERTY OWNERS ASSN INC

TRACT P OPEN SPACE/BUFFER (PRIVATE)
PARCEL IDENTIFICATION: 09-23-26-0100-00P-00000
ALTERNATE KEY: 3926920
ADDRESS: UNASSIGNED CLERMONT FL, 34711
OWNER: HARTWOOD LANDING PROPERTY OWNERS ASSN INC

HARTWOOD LANDINGS
LOT 13
PARCEL IDENTIFICATION: 09-23-26-0100-000-01300
ALTERNATE KEY: 3926748
ADDRESS: 4320 REHLY LANE CLERMONT FL, 34711
OWNER: DREAM FINDERS HOMES LLC
DEED: ORB 5821 PG 1108

HARTWOOD LANDINGS
LOT 93
PARCEL IDENTIFICATION: 09-23-26-0100-000-09300
ALTERNATE KEY: 3926828
ADDRESS: 4354 DAVOS DRIVE CLERMONT FL, 34711
OWNER: DREAM FINDERS HOMES LLC
DEED: ORB 5821 PG 1108

LOT 94
PARCEL IDENTIFICATION: 09-23-26-0100-000-09400
ALTERNATE KEY: 3926829
ADDRESS: 4358 DAVOS DRIVE CLERMONT FL, 34711
OWNER: DREAM FINDERS HOMES LLC
DEED: ORB 5821 PG 1108

PARCEL IDENTIFICATION: 09-23-26-0100-000-09600
ALTERNATE KEY: 3926831
ADDRESS: 4366 DAVOS DRIVE CLERMONT FL, 34711
OWNER: DREAM FINDERS HOMES LLC
DEED: ORB 5821 PG 1108

PARCEL IDENTIFICATION: 09-23-26-0100-000-09500
ALTERNATE KEY: 3926830
ADDRESS: 4362 DAVOS DRIVE CLERMONT FL, 34711
OWNER: DREAM FINDERS HOMES LLC
DEED: ORB 5864 PG 1042

PARCEL IDENTIFICATION: 09-23-26-0100-000-09700
ALTERNATE KEY: 3926832
ADDRESS: 4354 DAVOS DRIVE CLERMONT FL, 34711
OWNER: DREAM FINDERS HOMES LLC
DEED: ORB 5763 PG 746

PB 75,

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections
OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PLAN SHEET (6)
HARTWOOD MARSH ROAD

SHEET NO. 27

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(3) MATCH EXIST.
SIDEWALK EL. 134.88'
STA. 139+29.61, 90.23' RT.

(4) MATCH EXIST.
SIDEWALK EL. 134.98'
STA. 139+22.65, 97.40' RT.

(1) STA. 140+94.61
END CONCRETE SIDEWALK
BEGIN 12' MULTI-USE ASPHALT PATH

(2) CONST 51 LF OF 24" RCP

NOTE:
* PORTIONS OF EXISTING SIDEWALK OUTSIDE THE R/W TO BE REMOVED USING RIGHT OF ENTRY.

CAMBRIDGE AT KINGS RIDGE

SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION

MATCHLINE STA. 474+00

CONST. 18" RCP
R/W LINE
CONST. 60 LF OF 18" RCP
+41.72
50.00' (LT)
EMERGENCY SIGNAL EASEMENT PER ORB 3228, PGS 2203-2206
MAST ARM
END PERIMETER WALL PW-3
139+30.00, 65.50' LT

29.50'
30.50'
SOUTH HANCOCK ROAD
N 00° 52' 48" E
R/W LINE
6' CONC SIDEWALK
EXIST. SIDEWALK TO BE REMOVED
+52.97
109.39' (LT)
R/W LINE
+90.80
76.66' (LT)
EXIST. SIDEWALK TO BE REMOVED*
TYPE F CURB & GUTTER
R/W LINE
12' MULTI-USE ASPHALT PATH

N
0 10 40
Feet

TYPE F CURB & GUTTER
PERIMETER WALL PW-3
R/W LINE
6' CONC SIDEWALK
S-200
CR-C
CR-D
CR-A
MAST ARM
S-202
CR-A
S-204
18" RCP
CONST 94 LF OF 30" RCP
CONST 26 LF OF 24" RCP
TYPE E CURB & GUTTER

50.04'
STA 136+00
39.0'
29.50'
STA 140+11.85 ℄ CONST HARTWOOD MARSH ROAD = STA 472+18.27 ℄ CONST SOUTH HANCOCK ROAD
℄ CONST HARTWOOD MARSH ROAD
4' TRAFFIC SEPARATOR (TYPE I)
89°25'7"
52.0'
51.0'
STA 141+60
78.60'

136 137 138 139 140 141

65.49'
MATCHLINE
54.5'
HARTWOOD MARSH ROAD
AB-1.38R
ELEVATION=129.7
CONST 93 LF OF 18" RCP
60.00'
S-201
REMOVE EXISTING CONC SIDEWALK
CR-E
472
S-205
42.5'
28.0'
MATCHLINE
63.50'
18" RCP
5' CONC SIDEWALK
TYPE F CURB & GUTTER
R/W LINE
CONST 34 LF OF 30" RCP
+05.21
63.50' (RT)
+95.09
74.96' (RT)
R/W LINE
DRAINAGE EASEMENT
20'
CONST 192 LF OF 36" RCP
S-203
MAST ARM
CR-E
CR-A
MAST ARM
4' TRAFFIC SEPARATOR (TYPE I)
+22.13
83.56' (RT)
3
4
SOUTH HANCOCK ROAD
471
℄ CONST SOUTH HANCOCK ROAD
R/W TAKING PER ORB 4131, PG 136
29.50'
52.00'
R/W LINE
EASEMENT
EXIST. CONC TRAIL
HARTWOOD LANDINGS
R/W LINE
TYPE F CURB & GUTTER
EXIST. CONC TRAIL
CONST 232 LF OF 18" RCP
MATCH EXIST. SIDEWALK EL. 134.12' STA. 139+07.72, 70.73' RT.
MATCH EXIST. SIDEWALK EL. 134.10' STA. 139+03.66, 80.50' RT.

MATCHLINE STA. 470+50.00

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OM Engineering Services, Inc.
Civil • Structural • Inspections
OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
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P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PLAN SHEET (7)
HARTWOOD MARSH ROAD

SHEET NO. 28

NOTE:
* PORTIONS OF EXISTING SIDEWALK OUTSIDE THE R/W TO BE REMOVED USING RIGHT OF ENTRY.

SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION

HARTWOOD PINES
PB 48, PGS 85-86

LOT 20
PARCEL IDENTIFICATION: 10-23-26-0800-000-02000
ALTERNATE KEY: 3816423
ADDRESS: 4244 BOKEELIA LOOP CLERMONT FL, 34711
OWNER: ELAINE LEE
DEED: ORB 5148, PG 121

LOT 19
PARCEL IDENTIFICATION: 10-23-26-0800-000-01900
ALTERNATE KEY: 3816422
ADDRESS: 4248 BOKEELIA LOOP CLERMONT FL, 34711
OWNER: WORRELL S HENRY & MARLENE A MULLINGS
DEED: ORB 3131, PG 1210

LOT 18
PARCEL IDENTIFICATION: 10-23-26-0800-000-01800
ALTERNATE KEY: 3816421
ADDRESS: 4252 BOKEELIA LOOP CLERMONT FL, 34711
OWNER: RODNEY L COLE
DEED: ORB 4256, PG 1307

LOT 17
PARCEL IDENTIFICATION: 10-23-26-0800-000-01700
ALTERNATE KEY: 3816420
ADDRESS: 2670 HARTWOOD PINES WAY CLERMONT FL, 34711
OWNER: RODNEY L COLE
DEED: ORB 4256, PG 1307

HARTWOOD PINES WAY

TYPE F CURB & GUTTER
LANDSCAPE BUFFER EASEMENT
EXIST. SIDEWALK TO BE REMOVED*
12' MULTI-USE ASPHALT PATH
EXIST PIPE TO REMAIN
R/W LINE
EXIST. SIDEWALK TO REMAIN
EXIST. SIDEWALK TO BE REMOVED
SAWCUT
EXIST. SIDEWALK TO BE REMOVED
LANDSCAPE BUFFER EASEMENT
R/W LINE
EXIST. SIDEWALK TO REMAIN
EXIST. SIDEWALK TO REMAIN
5' CONC. SIDEWALK
12' MULTI-USE ASPHALT PATH
TYPE F CURB & GUTTER
5' CONC. SIDEWALK
CONST 96 LF OF 18" RCP
CONST 90 LF OF 18" RCP
CONST 152 LF OF 18" RCP
CONST 172 LF OF 18" RCP
SEE PATH SEPARATOR DETAIL (TYP)
18" RCP
PI STA. 142+35.62
HARTWOOD MARSH ROAD
TYPE E CURB & GUTTER
℄ CONST HARTWOOD MARSH ROAD
CONST 287 LF OF 18" RCP
CONST 297 LF OF 18" RCP
5' CONC SIDEWALK
TYPE F CURB & GUTTER
R/W LINE
CONST 152 LF OF 18" ADS PIPE @ 1.95%*
TIE TO EXIST. PIPE
18"-45° ADS "ADVANCED DRAINAGE SYSTEMS" BEND*
COST OF BEND TO BE INCLUDED IN COST OF PIPE.
EXIST PIPE AND MES TO REMAIN
TYPE C INLET
TOP: 139.50
E INV: 136.93
W INV: 136.85
CONSTRUCTION EASEMENT
26 LF-20" WIDE TRAFFIC RATED TRENCH DRAIN*
TYPE C INLET
TOP: 141.0
W INV: 138.33
CONST 151 LF OF 18" ADS PIPE@ 1.95%*
18" RCP
TYPE F CURB & GUTTER

+94.52 69.00' LT
+00.00 77.54' LT
+00.00 57.00' LT
+92.39 51.00' LT
+42.39 39.00' LT
+40.00 11.00' LT
+90.00 1.00' RT
+50.00 14.50' RT
+00.00 11.00' LT
+15.00 71.33' LT
+20.00 57.00' LT
+00.00 4.00' LT
+29.50 87.50' (RT)
+92.00 63.50' (RT)
+92.00 87.50' (RT)

S-206 S-207 S-208 S-209 S-212 S-213

STA 141+60
STA 147+20
MATCHLINE
MATCHLINE

78.60' 63.50' 52.0' 42.5' 28.0' 5.0' 5.0' 40.0' 81.71' 63.52' 39.0' 29.5' 48'

142 143 144 145 146 147

AB-142R ELEVATION=136.3
AB-144R ELEVATION=141.2
AB-147L ELEVATION=144.7

FLAT GRATE INLET TOP=141.03' W INV.=134.67' N INV.=134.77' E INV.=134.75'
CURB INLET TOP=143.59 E INV=138.87 W INV=138.80
CURB INLET TOP=143.97 INV=139.32
FLAT GRATE INLET TOP=139.93 W INV: 136.93 E INV: 136.85
FLAT GRATE INLET TOP=139.86 W INV: 138.33
3.5'X3.5' COLUMN (TYPICAL)
METAL LID FOR SANITARY ACCESS
GATE

20' DRAINAGE EASEMENT (P)
25' LANDSCAPE BUFFER EASEMENT (P)
10' DRAINAGE & UTILITY EASEMENT (P)
7.5' DRAINAGE & UTILITY EASEMENT (P)
ADDITIONAL R/W DEDICATED TO LAKE COUNTY PER PB 48 PG 85-86
UTILITY EASEMENT PER ORB 2650, PGS 1151-1152

PARCEL IDENTIFICATION: 10-23-26-0003-000-00500
ALTERNATE KEY: 3593905
ADDRESS: 2751 HARTWOOD MARSH ROAD CLERMONT FL, 34711
OWNER: FIRST BAPTIST CHURCH OF CLERMONT INC
DEED: ORB 2036 PG 1486

SITE BENCHMARK
SET 5/8" IRON ROD
"SSMC TRAV@PT."
ELEVATION=141.80

DWG 088
DWG 076

N 89° 48' 48" E

0 10 40
Feet

(1) MATCH EXIST. SIDEWALK EL. 144.47' STA. 145+30.01, 102.12' LT.
(2) MATCH EXIST. SIDEWALK EL. 144.33' STA. 145+35.01, 102.04' LT.
(3) MATCH EXIST. SIDEWALK EL. 144.31' STA. 145+86.35, 96.47' LT.
(4) MATCH EXIST. SIDEWALK EL. 144.47' STA. 145+91.27, 97.33' LT.
(5) MATCH EXIST. SIDEWALK EL. 143.98' STA. 146+20.00, 76.32' LT.
(6) MATCH EXIST. SIDEWALK EL. 143.95' STA. 146+20.00, 71.38' LT.
(7) EL. 142.91' STA. 145+73.92, 68.66' RT.
(8) EL. 142.89' STA. 145+73.92, 70.35' RT.
(9) EL. 142.61' STA. 145+48.42, 68.66' RT.
(10) EL. 142.57' STA. 145+48.42, 70.35' RT.
(11) EXIST. INLET AND PIPES TO REMAIN
(12) EXIST. INLET AND PIPE TO REMAIN EXIST. INLET TOP TO BE REPLACED WITH CURB INLET TYPE 4 TOP

* MATCH EXIST. PIPE MATERIAL, COST OF ADS PIPE TO BE INCLUDED WITH COST OF 18" RCP

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections
OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PLAN SHEET (8) HARTWOOD MARSH ROAD

SHEET NO. 29

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N

0 10 40

Feet

EXIST. SIDEWALK TO REMAIN

+93.21
79.37' (LT)
MATCH EXIST.
SIDEWALK EL. 159.12'

+85.21
79.51' (LT)
MATCH EXIST.
SIDEWALK EL. 159.08'

+93.20
73.94' (LT)

EXIST. SIDEWALK TO REMAIN

R/W LINE

EXIST. SIDEWALK TO REMAIN

12' MULTI-USE ASPHALT PATH

CONSTRUCTION EASEMENT

+21.36
67.03' (LT)

+85.21
73.94' (LT)

+79.21
66.20' (LT)

+99.19
66.20' (LT)

8' R

8' R

15' R

+43.74
57.00' LT

+34.71
57.00' LT

+63.64
57.00' LT

+14.77
57.00' LT

SET 5/8" IRON ROD
"SSMC TRAV. PT."
ELEVATION = 159.33

DWG 078

R/W LINE

81.68'

STA 147+20

31.5'

CONST 276 LF OF 18" RCP

S-214

TYPE F CURB & GUTTER

5' CONC. SIDEWALK

PI STA. 151+60.02

5' CONC. SIDEWALK

4' TRAFFIC SEPARATOR (TYPE I)

℄ CONST. HARTWOOD MARSH ROAD

39.0'

29.5'

61.13'

STA 152+80

148 149 150 151 152

MATCHLINE

63.50'

50.0'

℄ CONST HARTWOOD MARSH ROAD

UTILITY EASEMENT PER ORB 2550, PGS 1151-1152

S-215

AB-150R
SB ELEVATION = 155.5

WATER

UTILITY EASEMENT PER ORB 2850, PGS 1151-1152

MATCHLINE

63.50'

5' CONC SIDEWALK

+50.00
42.50' (RT)
BEGIN TAPER

CONST 297 LF OF 18" RCP

TYPE F CURB & GUTTER

+60.02
63.50' (RT)

R/W LINE

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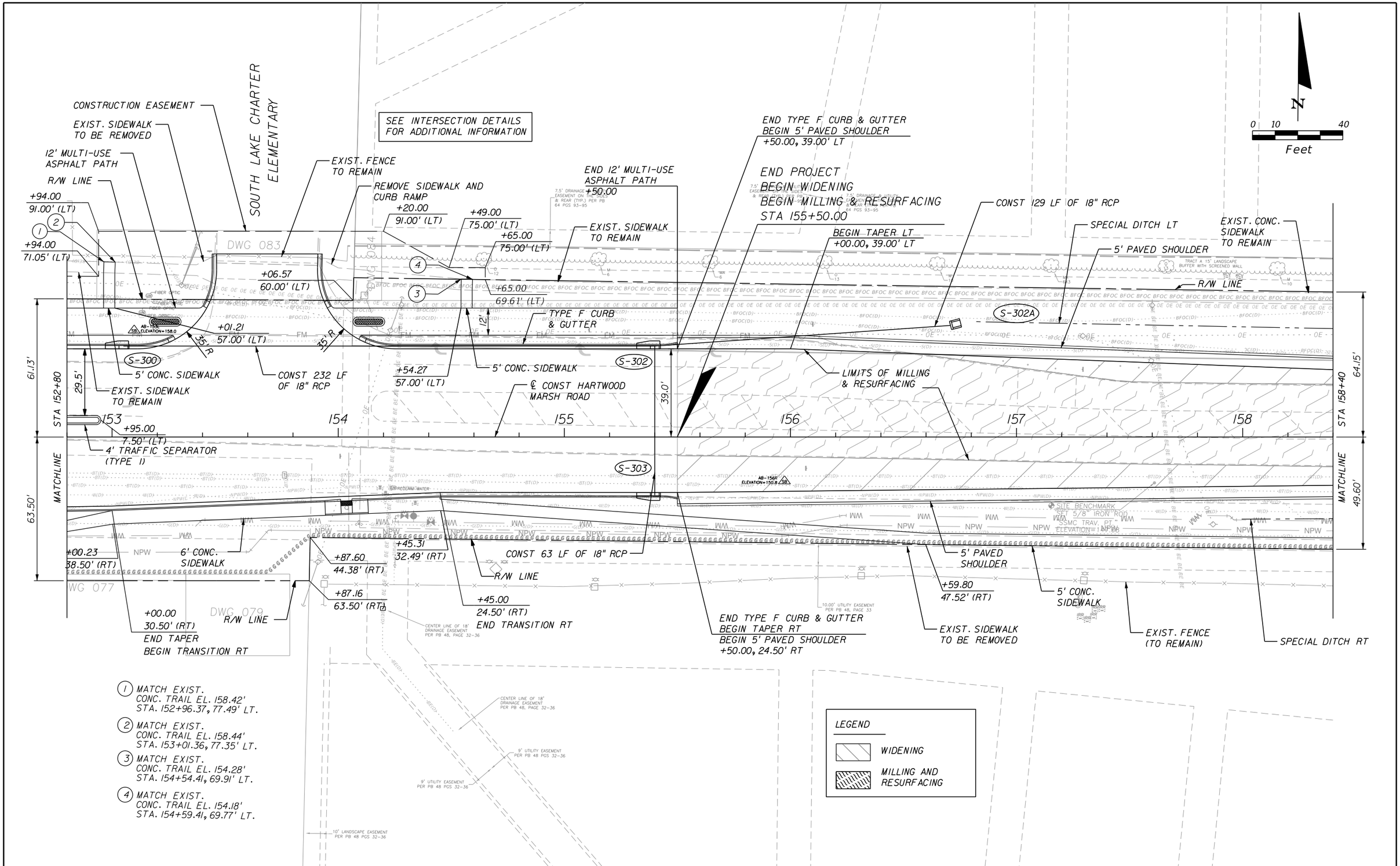
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LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

PLAN SHEET (9)
HARTWOOD MARSH ROAD

SHEET NO.
30



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621 E. WASHINGTON ST., STE 8
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ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
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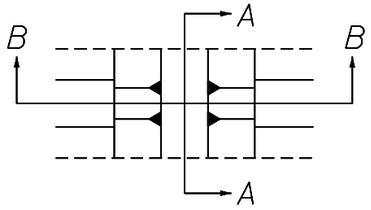
HARTWOOD MARSH ROAD - PHASE I

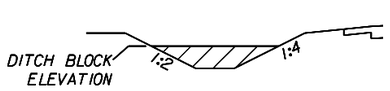
PLAN SHEET (10) HARTWOOD MARSH ROAD

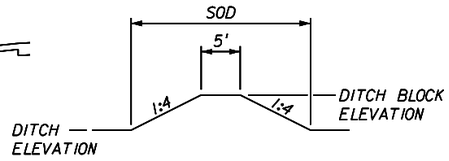
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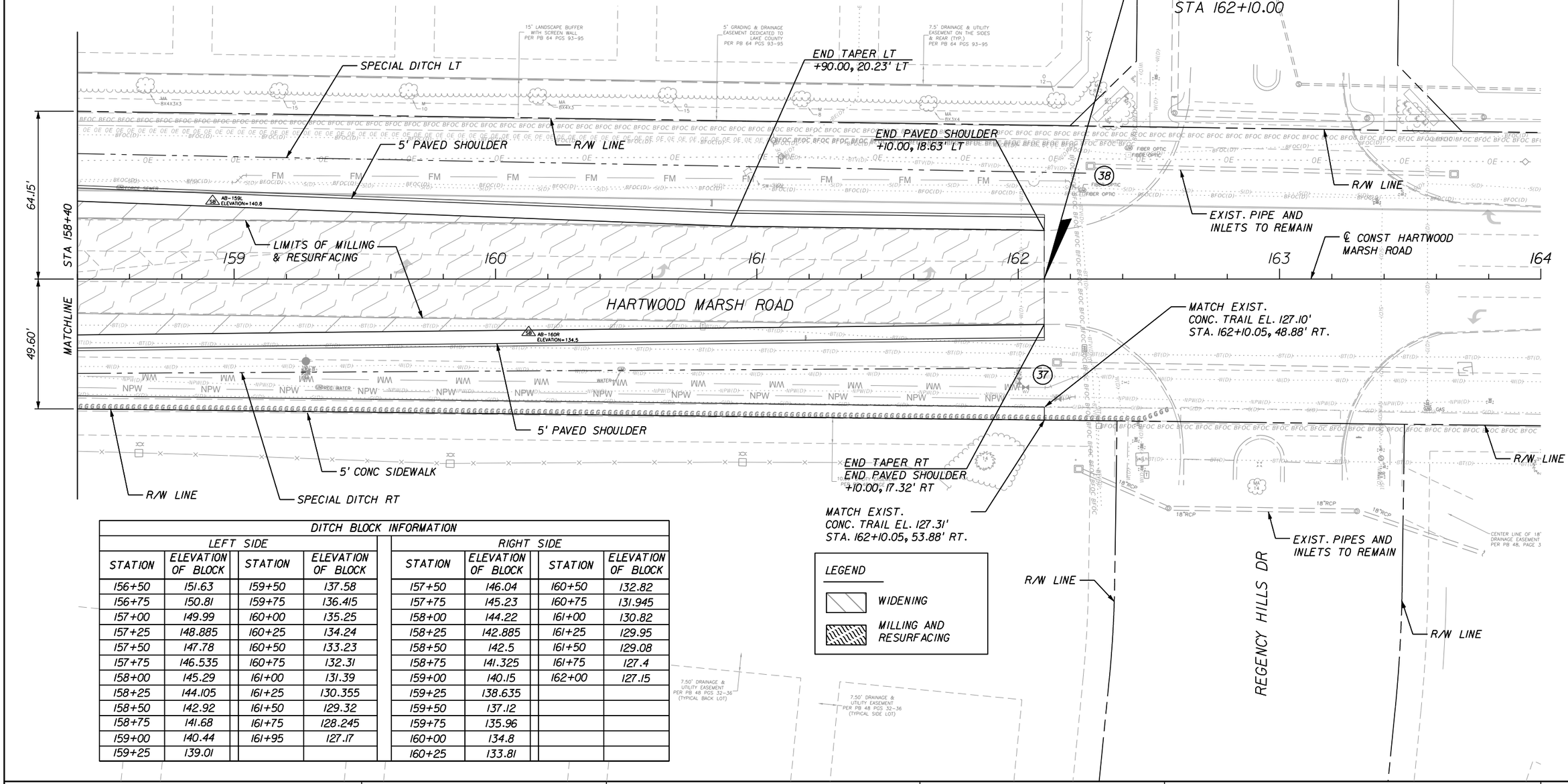
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DITCH BLOCK DETAILS



DITCH BLOCK INFORMATION

LEFT SIDE				RIGHT SIDE			
STATION	ELEVATION OF BLOCK	STATION	ELEVATION OF BLOCK	STATION	ELEVATION OF BLOCK	STATION	ELEVATION OF BLOCK
156+50	151.63	159+50	137.58	157+50	146.04	160+50	132.82
156+75	150.81	159+75	136.415	157+75	145.23	160+75	131.945
157+00	149.99	160+00	135.25	158+00	144.22	161+00	130.82
157+25	148.885	160+25	134.24	158+25	142.885	161+25	129.95
157+50	147.78	160+50	133.23	158+50	142.5	161+50	129.08
157+75	146.535	160+75	132.31	158+75	141.325	161+75	127.4
158+00	145.29	161+00	131.39	159+00	140.15	162+00	127.15
158+25	144.105	161+25	130.355	159+25	138.635		
158+50	142.92	161+50	129.32	159+50	137.12		
158+75	141.68	161+75	128.245	159+75	135.96		
159+00	140.44	161+95	127.17	160+00	134.8		
159+25	139.01			160+25	133.81		

REVISIONS		
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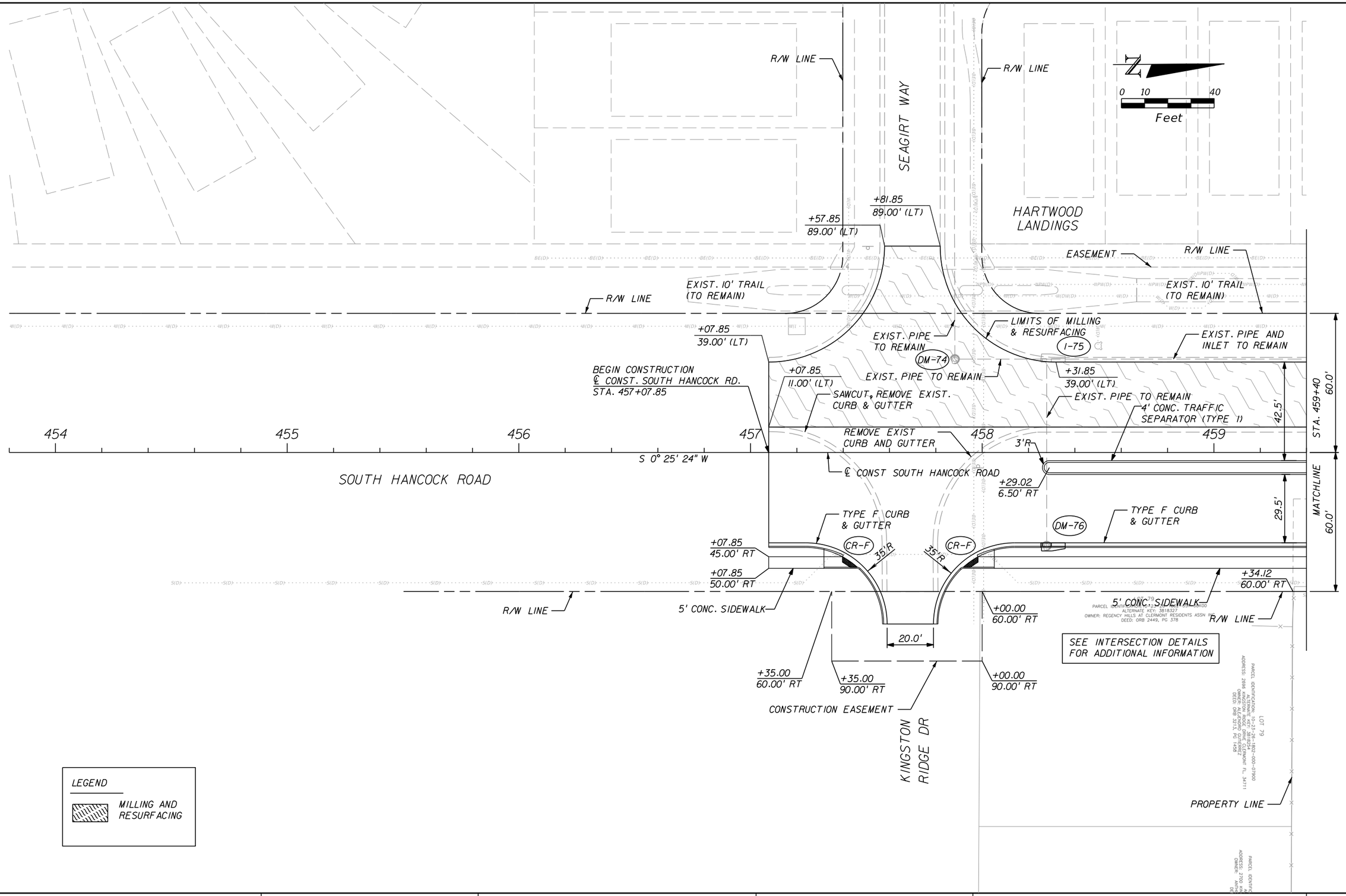
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HARTWOOD MARSH ROAD - PHASE I

PLAN SHEET (11)
HARTWOOD MARSH ROAD

SHEET NO. 32

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LEGEND

MILLING AND RESURFACING

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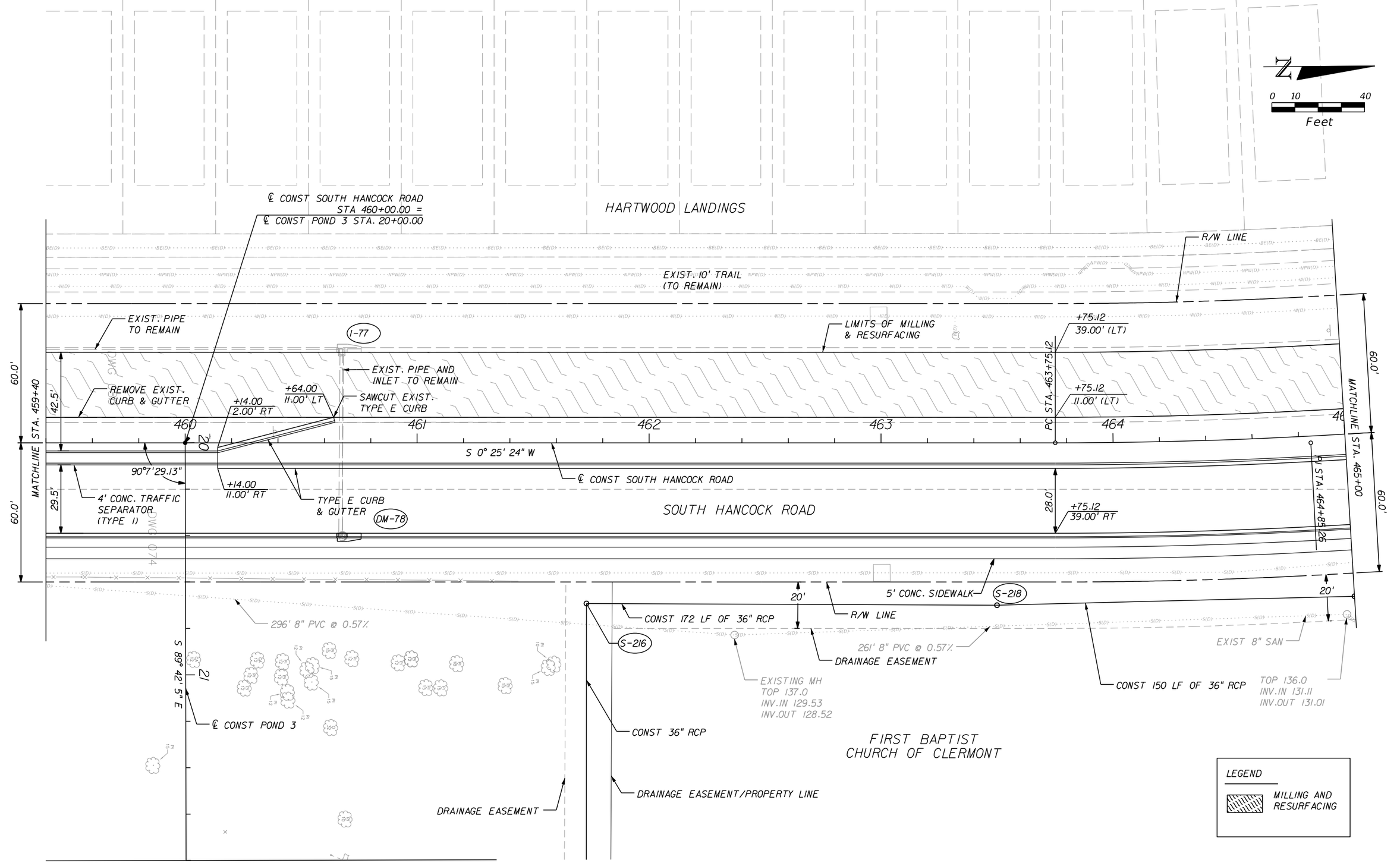
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HARTWOOD MARSH ROAD - PHASE I

PLAN SHEET (12)
SOUTH HANCOCK ROAD

SHEET NO. 33

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OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

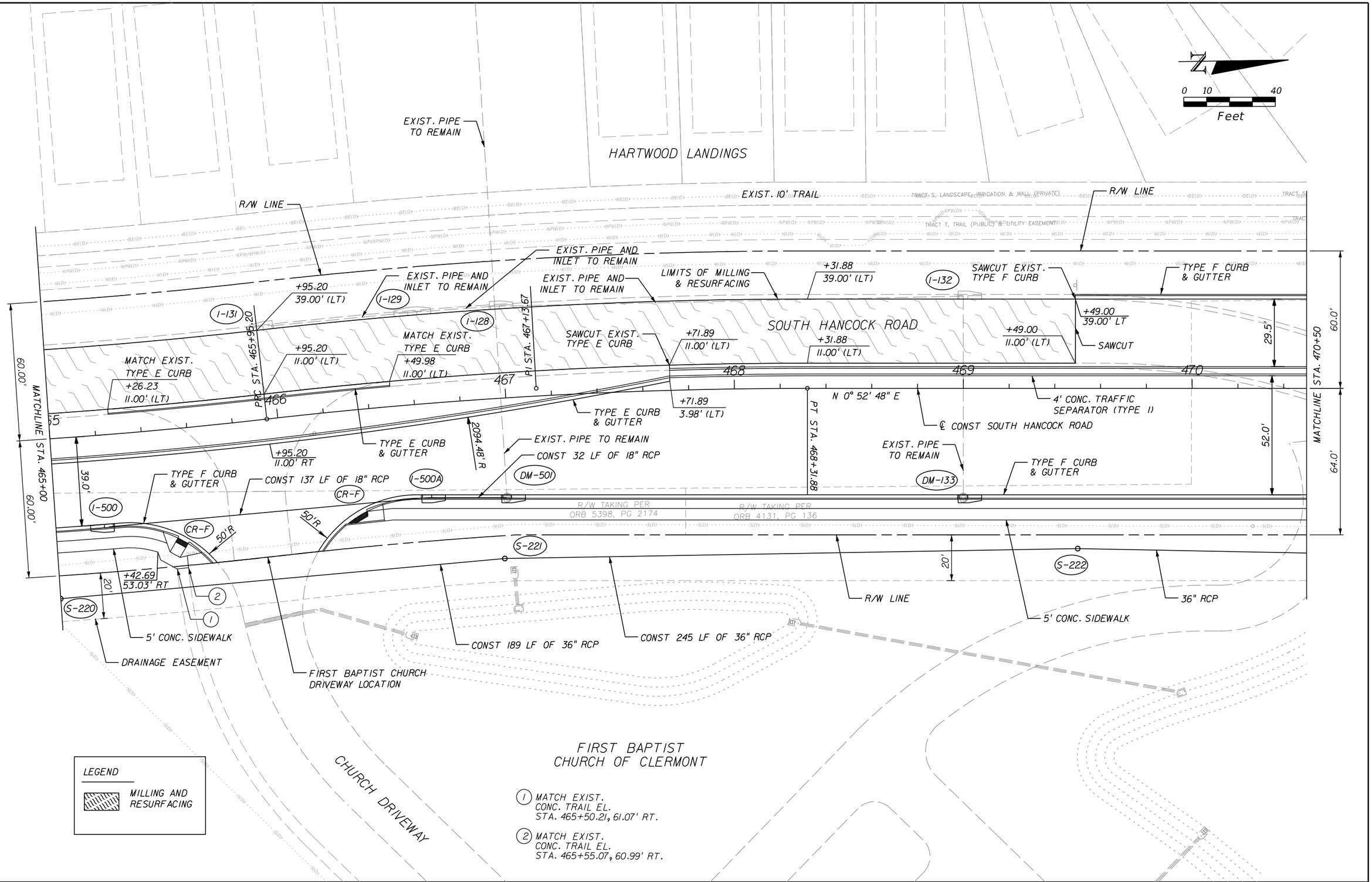
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PLAN SHEET (13) SOUTH HANCOCK ROAD

SHEET NO. 34



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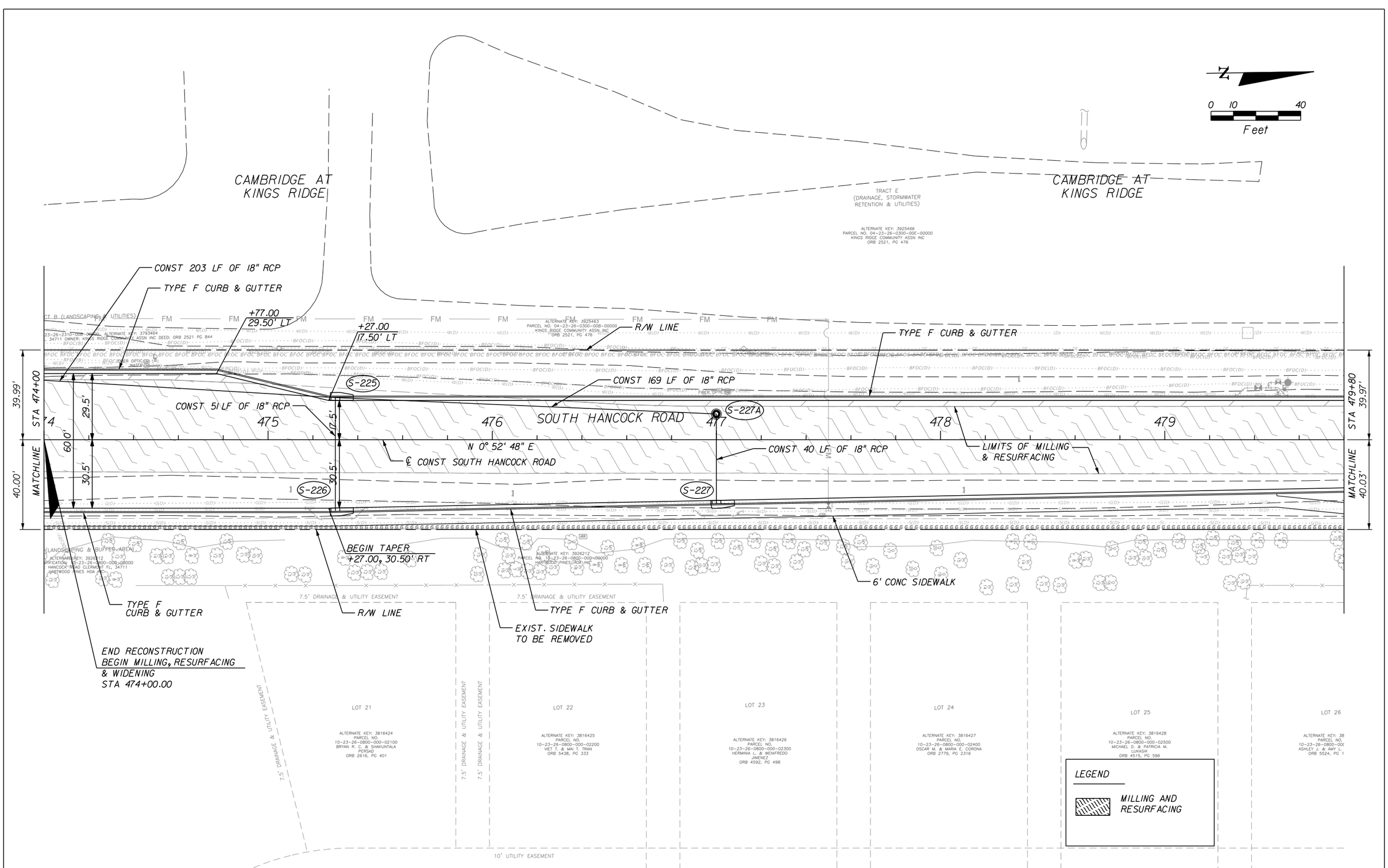
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PLAN SHEET (14) SOUTH HANCOCK ROAD

SHEET NO. 35

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PLAN SHEET (15) SOUTH HANCOCK ROAD

SHEET NO. 36

N

0 10 40

Feet

LOT 28

ALTERNATE KEY: 3791465
PARCEL NO.
04-23-26-0300-000-02800
GERALD E. & MARY L. CYPP
ORB 1776, PG 1421

LOT 27

ALTERNATE KEY: 3791463
PARCEL NO.
04-23-26-0300-000-02700
MICHAEL W. & PAULA L. CRAWFORD
ORB 4879, PG 967

CAMBRIDGE AT KINGS RIDGE

LOT 26

ALTERNATE KEY: 3791461
PARCEL NO.
04-23-26-0300-000-02600
EILEEN DANKLER LIFE ESTATE
ORB 5390, PG 1904

CAMBRIDGE AT KINGS RIDGE

TOP OF BANK
4' CHAINLINK FENCE
TALL HEDGE
BOTTOM OF BANK

TYPE F CURB & GUTTER

END TYPE F CURB & GUTTER
BEGIN TAPER
+54.00, 17.50' LT

5' PAVED SHLDR.

R/W LINE

ALTERNATE KEY: 3925402
PARCEL NO. 04-23-26-0300-00B-00000
KINGS RIDGE COMMUNITY ASSN INC
ORB 2521, PG 470

END TAPER
MATCH EXISTING
+58.00, 14.60' LT

39.97'
STA 479+80
17.50'
480
481
482
483
484
485
POT STA. 485+42.97

℄ CONST SOUTH HANCOCK ROAD

N 0° 52' 48" E
SOUTH HANCOCK ROAD

LIMITS OF MILLING & RESURFACING

MATCH EXISTING
+58.00, 21.59' RT

EXIST. PIPE AND INLET TO REMAIN

40.03'
MATCHLINE
21.27'

5' PAVED SHLDR.

HARTWOOD PINES WAY

END TYPE F CURB & GUTTER
+54.00, 17.50' LT

EXIST. SWK
(TO BE REMOVED)

R/W LINE

END SIDEWALK
MATCH EXISTING EL.
+50.00, 39.98' (RT)

END TAPER
+18.00, 16.67' RT

EXIST. SIDEWALK TO REMAIN

END MILLING, RESURFACING
& WIDENING
END CONSTRUCTION
STA 482+58.00

R/W LINE

R/W LINE

LOT 27

16429
1-02600
BARRETT
166

ALTERNATE KEY: 3816430
PARCEL NO.
10-23-26-0800-000-02700
DAVID L. & TERRY L. MARCH
ORB 2827, PG 1452

LOT 29

ALTERNATE KEY: 3816431
PARCEL NO.
10-23-26-0800-000-02800
PATRICIA & DAMON WALKER
ORB 4509, PG 649

LOT 30

ALTERNATE KEY: 3816432
PARCEL NO.
10-23-26-0800-000-02900
JOSUE SCHEKER &
CARLIXTA A. SANCHEZ DE SCHEKER
ORB 3431, PG 752

ALTERNATE KEY: 3816433
PARCEL NO.
10-23-26-0800-000-03000
MARIO C. & NEREIDA MENDOZA
ORB 3339, PG 1380

TRACT A
(WATER RETENTION AREA)

ALTERNATE KEY: 3816455
PARCEL NO. 10-23-26-0800-00A-00000
HARTWOOD PINES HOA INC

LEGEND

MILLING AND RESURFACING

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PLAN SHEET (16)
SOUTH HANCOCK ROAD

SHEET NO. 37

MATCHLINE STA. 21+80, SEE PLAN SHEET (13)

CONST 232 LF OF 36" RCP

S-217

STA. 23+06.50 (172.17 LT)
CONST. MANHOLE TYPE 7 (J-BOTTOM)
INDEX NO. 425-001, 425-010
TOP EL. 133.50
FL 120.14 (RT)
FL 120.14 (BK)

S-219

STA. 23+62.03 (121.76 LT)
CONST. MANHOLE TYPE 7
(J-BOTTOM) INDEX NO. 425-001, 425-010
TOP EL. 131.50
FL 119.48 (AH)
FL 119.48 (LT)

S-228

STA. 27+11.29 (119.17 LT)
CONST. MANHOLE TYPE 7
(J-BOTTOM) INDEX NO. 425-001, 425-010
TOP EL. 129.00
FL 115.89 (AH)
FL 115.89 (BK)

S-229

STA. 29+55.00 (37.00 LT)
CONST. U-ENDWALL
INDEX NO. 430-012
FL 105.00 (BK)

N

0 20 80
Feet

S-217

CONST 70 LF OF 36" RCP

PROPERTY LINE

S-228

PROPERTY LINE

S-219

CONST 345 LF OF 36" RCP

20' DRAINAGE EASEMENT

PROPERTY LINE

CONST 256 LF OF 36" RCP

S-229

POND 3

25

30

S 89° 42' 05" E

℄ CONST POND 3

PROPERTY LINE

REGENCY HILLS PHASE III
PB 49, PGS 57-61

REGENCY HILLS PHASE III
PB 49, PGS 57-61

NOTE: SEE SHEET 98 FOR POND DETAILS.

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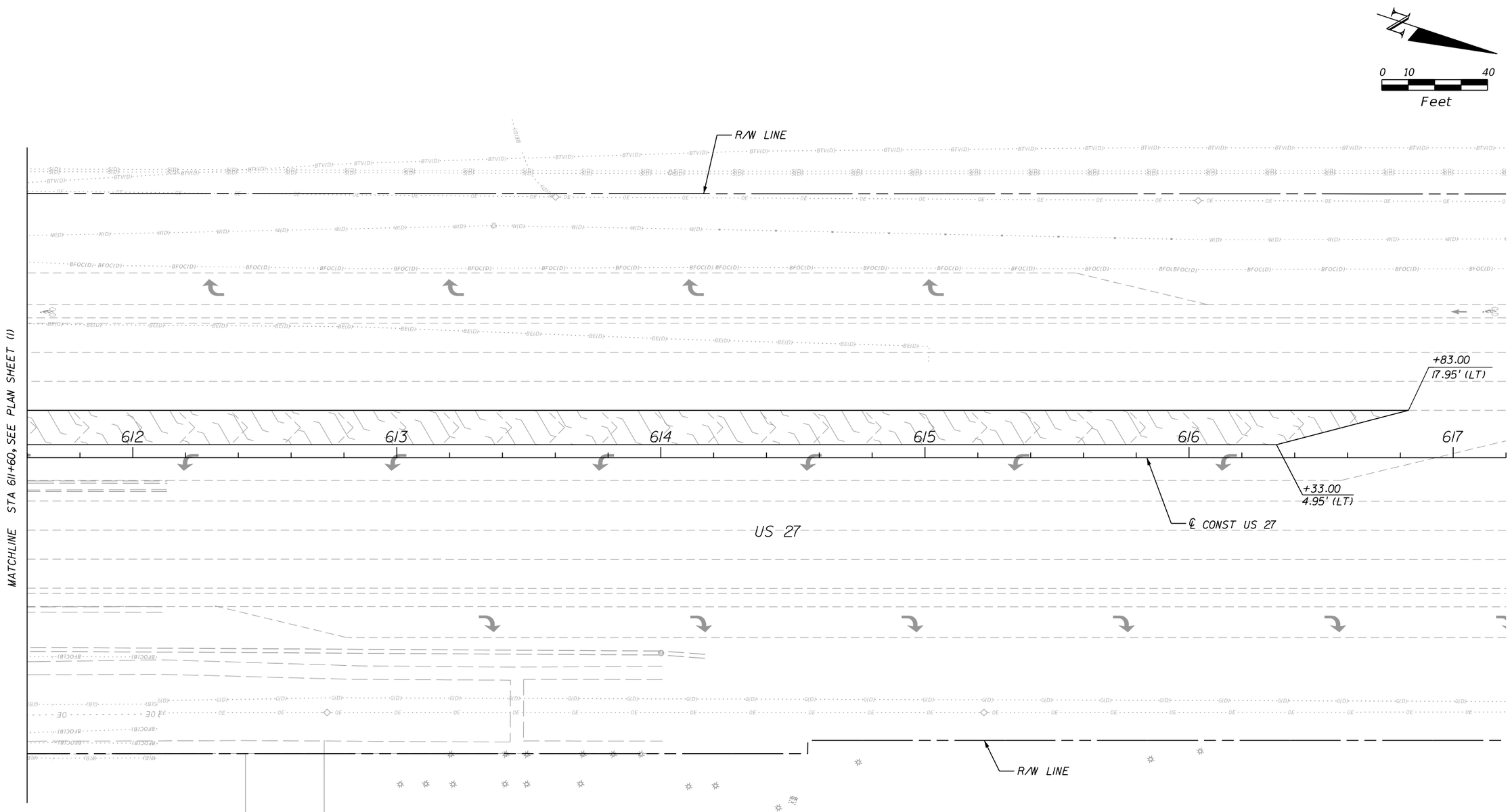
ENGINEER OF RECORD: DAVID R. BORYS, P.E., CFM
P.E. LICENSE NUMBER 75372

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PLAN SHEET (17)
POND 3

SHEET NO.
38



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P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PLAN SHEET (18)
HARTWOOD MARSH ROAD

SHEET NO. 39

GRAVITY WALL SCHEME 2 PER STANDARD PLANS INDEX 400-011

BEGIN PROFILE
STA 103+80.00
EL. 161.90

SEE INTERSECTION DETAILS

BEGIN GRAVITY WALL I
STA. 104+33.00

S-100 (+)0.300% S-101

TOP OF GRAVITY WALL I RT

PROFILE GRADE LINE

PI +00.00 EL. 162.56

(+)0.300% (-)2.600%

EXISTING GROUND @ ℄ CONST HARTWOOD MARSH ROAD

END GRAVITY WALL I
STA. 107+20.51

250' V.C.
K = 120

+75.00 EL. 158.01

157.88

157.39

PI +50.00 EL. 158.980

PI +00.00 EL. 157.965

PI +50.00 EL. 157.695

PI +00.00 EL. 157.225

PI +50.00 EL. 157.545

S-103

18" PIPE

BEGIN PROJECT
STA 103+37.72

BEGIN CONSTRUCTION
STA 102+78.16

14"X23" ERCP

PI +33.00 EL. 158.99

PI +50.00 EL. 157.980

FOOTER OF GRAVITY WALL I RT

FL 154.20

PI +00.00 EL. 156.665

PI +20.51 EL. 156.237

FL 154.75

FL 154.35

Const. 18" PIPE

PI +50.00 EL. 156.545

+25.00 EL. 162.03

157.95

FL 151.85

+75.00 EL. 158.01

162.07 162.09 162.07 162.03 161.95 161.83 161.68 161.50 161.29 161.04 160.76 160.45 160.11 159.73 159.31 158.87 158.39

350' V.C.
K = 121

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

176 174 172 170 168 166 164 162 160 158 156 154 152 150 148 146 144 142

103+00 104+00 105+00 106+00 107+00 108+00

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P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

PROFILE SHEET (1)
HARTWOOD MARSH ROAD

SHEET NO. 40

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GRAVITY WALL SCHEME 2 PER STANDARD PLANS INDEX 400-011

250' V.C.
K = 120

157.39 156.92 156.50 156.10 155.74 155.41 155.11 154.85 154.62 154.42 154.26 154.13

+25.00 EL. 154.10

BEGIN GRAVITY WALL 2
STA. 108+07.12

EL. 157.95

(-)2.600%

(-)0.525%

S-106

P.I. +50.00
EL. 151.666

P.I. +00.00
EL. 152.196

END GRAVITY WALL 2
STA. 110+50.00

PROFILE GRADE LINE

EXISTING GROUND @
℄ CONST HARTWOOD
MARSH ROAD

(-)0.525%

S-108

P.I. +07.12
EL. 154.153

Const. 18" PIPE

P.I. +50.00
EL. 153.228

P.I. +00.00
EL. 152.343

18" PIPE

P.I. +00.00
EL. 151.196

Const. 18" PIPE

P.I. +50.00
EL. 151.909

18" PIPE

Const. 18" PIPE

147.65 (BK)
147.65 (AH)
149.80 (LT)
FOOTER OF GRAVITY WALL 2 RT

146.45 (BK)
146.45 (AH)
148.70 (LT)

+50.00 EL. 152.92 152.87 152.73 152.57 152.38 152.16 151.91

600' V.C.
K = 139

EL. 151.59

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

172 170 168 166 164 162 160 158 156 154 152 150 148 146 144 142 140 138

108+00 109+00 110+00 111+00 112+00 113+00

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PROFILE SHEET (2)
HARTWOOD MARSH ROAD

SHEET NO. 41

PROFILE GRADE LINE
S-109A
S-109
PI +50.00
EL. 151.35
(-) 0.525%
(-) 4.850%
EXISTING GROUND @ ℄ CONST HARTWOOD MARSH ROAD
Const. 18" PIPE
FL 144.05
FL 143.50
FL 142.00
EL. 151.59
S-112
S-112A
18" PIPE
Const. 24" PIPE
FL 135.40
133.40
(-) 4.850%
S-114
Const. 24" PIPE
18"
FL 132.65
FL 131.00
+50.00 EL. 136.80
FL 129.10
EL. 132.66
600' V.C.
K = 139
151.91 151.63 151.32 150.99 150.62 150.23 149.81 149.36 148.88 148.37 147.83 147.27 146.67 146.05 145.39 144.71 144.00 143.26 142.49 141.70 140.87 140.02 139.13 138.22 137.28
160 158 156 154 152 150 148 146 144 142 140 138 136 134 132 130 128 126
114+00 115+00 116+00 117+00 118+00 119+00

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

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PROFILE SHEET (3)
HARTWOOD MARSH ROAD

SHEET NO. 42

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140
138
136
134
132
130
128
126
124
122
120
118
116
114
112
110
108
106
104

133.40

PROFILE GRADE LINE
LT & RT

660' V.C.
K = 86

+90.00 EL. 130.01

129.53 128.61 127.73 126.90 126.12 125.38 124.69 124.05 123.45 122.90 122.40 121.94 121.53 121.17 120.85 120.58 120.36 120.18 120.06 119.97 119.94 119.95 120.01 120.11 120.26

(-) 4.850%

EL. 132.66

48" PIPE

FL 129.60

EXISTING GROUND @
℄ CONST HARTWOOD
MARSH ROAD

PROFILE GRADE LINE LT

BEGIN SPECIAL PROFILE
LT EOP
123+80.00, EL 119.41

END SPECIAL PROFILE
LT EOP
124+30.00, EL 119.41

BEGIN BIFURCATED PROFILE LT
STA 119+90.00
EL. 130.01

S-115

FL 117.60

S-117

VPI
+05.00
EL 119.33

S-119

S-122

(-) 0.30%

(+) 0.30%

EL. 119.96

(-) 4.850%

(+) 2.857%

CONST. 18" PIPE

Const.
18" PIPE

PI +20.00
EL. 114.00

FL 114.60

FL 114.10

FL 113.50

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

120+00 121+00 122+00 123+00 124+00

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PROFILE SHEET LT (4)
HARTWOOD MARSH ROAD

SHEET NO. 43

*SEE PROFILE SHEET LT SHEETS FOR CURVE INFORMATION.

133.40

PROFILE GRADE LINE
LT & RT

BEGIN BIFURCATED PROFILE RT
STA 119+90.00
EL. 130.01

620' V.C.
K = 81

(-)4.850%

PIPE

+20.00 EL. 128.55

127.61 126.71 125.86 125.07 124.32 123.62 122.97 122.37 121.82 121.32 120.87 120.46 120.11 119.81 119.55 119.35 119.19 119.08 119.02 119.02 119.06 119.15 119.29

Const.
24" PIPE

EL. 132.66

S-114A

EXISTING GROUND @
℄ CONST HARTWOOD
MARSH ROAD

PROFILE GRADE LINE LT*

PROFILE GRADE LINE RT

BEGIN SPECIAL PROFILE
RT EOP
123+89.00, EL 118.21

END SPECIAL PROFILE
RT EOP
124+38.00, EL 118.21

FL 121.80

S-116

Const. 24" PIPE

18" PIPE

FL 119.00

VPI
+13.00
EL 118.13

S-118

(-) 0.30%

(+) 0.30%

S-121

S-120

EL. 119.96

FL 117.00

Const. 24" PIPE

18" PIPE

(-)4.850%

(+) 2.795%

FL 115.30

Const. 24" PIPE

Const.
30" PIPE

PI +30.00
EL. 113.52

FL 113.40

FL 111.80

FL 111.70

FL 111.80

123+00

100' SE TRANSITION RT
e = (-) 0.02 TO (-) 0.03

124+00

e = (-) 0.03 RT

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

120+00 121+00 122+00 123+00 124+00

140 138 136 134 132 130 128 126 124 122 120 118 116 114 112 110 108 106 104

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PROFILE SHEET RT (5)
HARTWOOD MARSH ROAD

SHEET NO. 44

660' V.C.
K = 86

+50.00 EL. 123.43

120.26 120.46 120.70 120.99 121.33 121.72 122.15 122.63 123.15

SITE BENCHMARK
SET 5/8" IRON ROD
STA 127+99.86, 27.29' LT
EL 128.32'

EXISTING GROUND @
℄ CONST HARTWOOD
MARSH ROAD

PI +75.00
EL. 129.86

(+) 2.857%

(-) 1.650%

PROFILE GRADE LINE LT

S-124

123.43 123.71 124.24 124.73 125.19 125.60 125.97 126.30 126.59 126.84 127.05 127.22 127.35 127.44 127.49 127.51 127.48 127.41 127.30 127.15 126.96

450' V.C.
K = 100

EL. 119.96

EL. 126.70

FL 118.00

136 134 132 130 128 126 124 122 120 118 116 114 112 110 108 106 104 102

125+00 126+00 127+00 128+00 129+00 130+00

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

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PROFILE SHEET LT (6)
HARTWOOD MARSH ROAD

SHEET NO. 45

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*SEE PROFILE SHEET LT SHEETS FOR CURVE INFORMATION.

620' V.C.
K = 81

119.29 119.48 119.72 120.00 120.34 120.73 121.16 121.65 +40.00 EL. 122.18

EXISTING GROUND @ ℄ CONST. HARTWOOD MARSH ROAD

PROFILE GRADE LINE RT

PI +00.00
EL. 129.45

(+) 2.795%

(-) 1.650%

PROFILE GRADE LINE LT*

I-49

S-123B

I-192

123.84 124.34 124.79 125.21 125.59 125.93 126.22 126.48 126.69 126.87 127.00 127.10 127.15 127.16 127.14 127.07 126.96 126.81

(+) 2.795%

+80.00 EL. 123.30

18" PIPE

440' V.C.
K = 99

S-123

EL. 119.96

18" PIPE

FL 117.20

EL. 126.70

Const. 36" PIPE

Const. 36" PIPE

EX. 30" PIPE

FL 113.10

FL 111.60

e = (-) 0.03 RT

126+00

100' SE TRANSITION RT
e = (-) 0.03 TO (-) 0.02

127+00

FL 111.50

FL 111.43

FL 111.85
FL 111.90

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

125+00 126+00 127+00 128+00 129+00 130+00

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PHONE NO. (407) 704-7815
FAX: (407) 704-7816

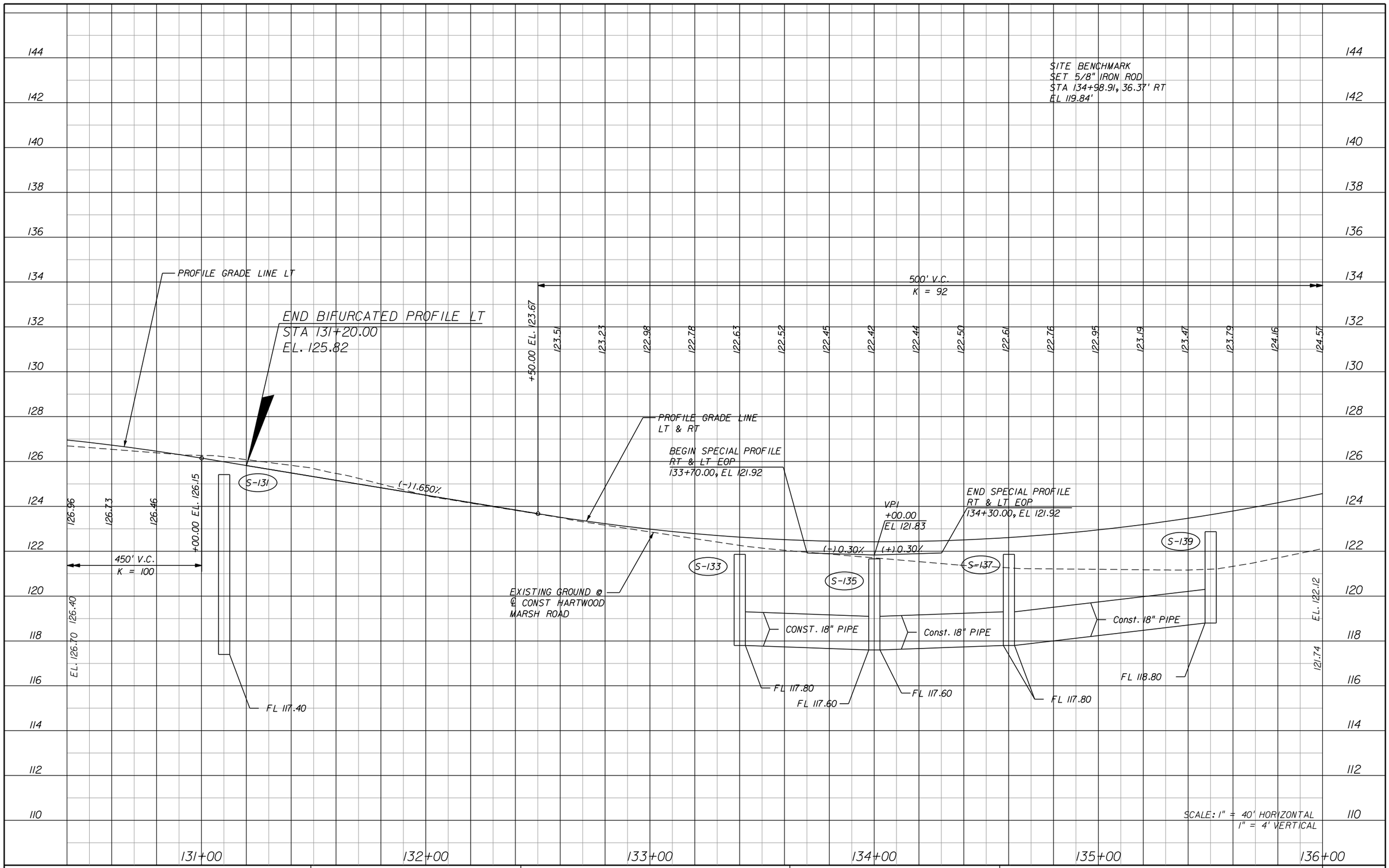
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PROFILE SHEET RT (7)
HARTWOOD MARSH ROAD

SHEET NO. 46



REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
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FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PROFILE SHEET LT (8)
HARTWOOD MARSH ROAD

SHEET NO. 47

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

*SEE PROFILE SHEET LT SHEETS FOR CURVE INFORMATION.

144 142 140 138 136 134 132 130 128 126 124 122 120 118 116 114 112 110

END BIFURCATED
PROFILE RT
STA 131+20.00
EL. 125.82

PROFILE GRADE LINE LT*

PROFILE GRADE LINE RT

S-132A

126.81 126.63 126.40 126.13

+20.00 EL. 125.82

(-)1.650%

440' V.C.
K = 99

EL. 126.70

24" PIPE

FL 117.20

EX. 30" PIPE

EX. 30" PIPE

FL 112.00

FL 112.00

+50.00 EL. 123.67

123.51 123.23 122.98 122.78 122.63 122.52 122.45 122.42 122.44 122.50 122.64 122.76 122.95 123.19 123.47 123.79 124.16 124.57

500' V.C.
K = 92

PROFILE GRADE LINE LT & RT

DM-192A

FL 112.28

FL 112.33

EXISTING GROUND @ ℄ CONST HARTWOOD MARSH ROAD

S-134

S-136A

S-136

(-)0.30%

(+)0.30%

BEGIN SPECIAL PROFILE RT & LT EOP
133+70.00, EL 121.92

VPI
+00.00
EL 121.83

END SPECIAL PROFILE RT & LT EOP
134+30.00, EL 121.92

18" PIPE

Const. 18" PIPE

Const. 18" PIPE

FL 117.40

FL 117.30

FL 117.00

EX. 24" PIPE

FL 115.50

FL 112.50

FL 112.50

S-138

I-193

S-140

Const. 18" PIPE

(-)1.650%

(+) 3.800%

PI +00.00
EL. 119.55

FL 117.80

FL 117.80

FL 118.80

EL. 122.12

FL 112.71

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

131+00 132+00 133+00 134+00 135+00 136+00

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REVISIONS		
DATE	BY	DESCRIPTION

OM Engineering Services, Inc.
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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PROFILE SHEET RT (9)
HARTWOOD MARSH ROAD

SHEET NO. 48

148 146 144 142 140 138 136 134 132 130 128 126 124 122 120 118 116 114

136.99

EXISTING GROUND @ ℄ CONST HARTWOOD MARSH ROAD

PROFILE GRADE LINE

PI +25.00
EL. 135.70

(+) 3.800%

(+) 0.550%

(+) 0.550%

S-201

S-203

S-205

18" PIPE

500' V.C.
K = 92

124.57 125.03 125.53 126.07 126.65 127.28 127.96 128.67

+50.00 EL. 129.05

EL. 122.12

CONST. 36" PIPE

FL 131.90

30" PIPE

EL. 135.72

Const. 18" PIPE

FL 127.30

FL 127.20

FL 126.50

FL 126.60

Const. 30" PIPE

+50.00 EL. 129.05

129.42 130.15 130.83 131.48 132.09 132.67 133.20 133.70 134.17 134.59 134.98 135.33 135.65 135.92 136.16 136.37 136.53

+00.00 EL. 136.66

350' V.C.
K = 108

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

136+00 137+00 138+00 139+00 140+00 141+00

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REVISIONS		
DATE	BY	DESCRIPTION

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PROFILE SHEET (10) HARTWOOD MARSH ROAD

SHEET NO. 49

158 156 154 152 150 148 146 144 142 140 138 136 134 132 130 128 126 124

136.99 137.21 137.33 137.47 137.64 137.83 138.04 138.27 138.52 138.79 139.09 139.41 139.75 140.11 140.50 140.91 141.34 141.79 142.26 142.75 143.27 143.81 144.37 144.95 145.56 146.19 146.84 147.49

+00.00 EL. 137.21

500' V.C.
K = 182

+00.00 EL. 146.84

SITE BENCHMARK
SET 5/8" IRON ROD
STA 146+61.43, 04.60' RT
EL 141.80'

EXISTING GROUND @
℄ CONST HARTWOOD
MARSH ROAD

(+) 0.550%

PROFILE GRADE LINE

(+) 3.300%

S-213

S-208

(+) 0.550%

(+) 3.300%

Const. 18" PIPE

Const. 18" PIPE

FL 142.00

EL. 143.93

PI +50.00
EL. 138.60

FL 134.60

EL. 135.72

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

142+00 143+00 144+00 145+00 146+00 147+00

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

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P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PROFILE SHEET (11)
HARTWOOD MARSH ROAD

SHEET NO. 50

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

SITE BENCHMARK
SET 5/8" IRON ROD
STA 152+24.13 40.70' LT
EL 159.33'

EXISTING GROUND @ ℄ CONST. HARTWOOD MARSH ROAD

PROFILE GRADE LINE

S-215

147.49

EL. 158.00

(+) 3.300%

Const. 18" PIPE

FL 151.10

EL. 143.93

+50.00 EL. 151.79

152.11 152.74 153.33 153.89 154.41 154.90 155.35 155.78 156.16 156.52 156.83 157.12 157.37 157.59 157.77 157.92 158.03 158.11 158.16 158.17 158.15 158.09

950' V.C
K = 117

168 166 164 162 160 158 156 154 152 150 148 146 144 142 140 138 136 134

148+00 149+00 150+00 151+00 152+00

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

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
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P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PROFILE SHEET (12)
HARTWOOD MARSH ROAD

SHEET NO. 51

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

(+) 3.300%
(-) 4.800%
PI +25.00
EL. 167.46

SITE BENCHMARK
SET 5/8" IRON ROD
STA 157+61.00, 20.23' RT
EL 147.08'

END PROFILE
END PROJECT
BEGIN WIDENING
STA 155+50.00
EL. 154.00

LINES AND ELEVATIONS FOR THE PROFILE GRADE LINE PAST STA 155+50.00 ARE FOR COMPLETENESS OF GEOMETRY AND FUTURE CONSTRUCTION ONLY.

SEE CROWN TRANSITION DETAIL AND CROSS SECTIONS FOR PAVEMENT GRADING AND ADDITIONAL INFORMATION.

S-300
PROFILE GRADE LINE
EXISTING GROUND @ ℄ CONST HARTWOOD MARSH ROAD
EL. 158.00
Const. 18" PIPE
FL 153.30
S-302
18" PIPE
FL 149.60
DPI (LT) +00.00 EL 151.80
DPI (LT) +50.00 EL 149.83
S-302A
PROFILE GRADE LINE (THEOR. CURVE)
Const. 18" PIPE
DPI (LT) +00.00 EL 148.19
(-) 4.800%
DPI (LT) +50.00 EL 145.98
DPI (LT) +00.00 EL 143.49
DPI (RT) +50.00 EL 145.04
DPI (RT) +00.00 EL 143.02
+00.00 EL. 144.66
EL. 144.74

158.09 158.00 157.88 157.72 157.53 157.30 157.04 156.74 156.41 156.05 155.65 155.22 154.76 154.26 153.72 153.16 152.55 151.92 151.25 150.54 149.81 149.03 148.23 147.39 146.51 145.60

950' V.C.
K = 117

166 164 162 160 158 156 154 152 150 148 146 144 142 140 138 136 134 132

153+00 154+00 155+00 156+00 157+00 158+00

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

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REVISIONS		
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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PROFILE SHEET (13)
HARTWOOD MARSH ROAD

SHEET NO. 52

150
148
146
144
142
140
138
136
134
132
130
128
126
124
122
120
118
116

EL. 144.74

DPI (LT)
+50.00
EL 141.12

DPI (RT)
+50.00
EL 140.75

DPI (LT)
+00.00
EL 138.84

DPI (RT)
+00.00
EL 138.40

DPI (LT)
+50.00
EL 135.78

DPI (RT)
+50.00
EL 135.37

DPI (LT)
+00.00
EL 133.45

DPI (RT)
+00.00
EL 132.55

DPI (LT)
+50.00
EL 131.43

DPI (RT)
+50.00
EL 130.57

DPI (LT)
+00.00
EL 129.59

DPI (RT)
+00.00
EL 128.82

DPI (LT)
+50.00
EL 127.52

DPI (RT)
+50.00
EL 127.08

DPI (RT)
+00.00
EL 125.40

DPI (RT)
+15.00
EL 125.60
GRADE TO EXISTING INLET TOP

DPI (LT)
+00.00
EL 125.37

DPI (LT)
+27.50
EL 123.62
GRADE TO EXISTING INLET TOP

END WIDENING
END CONSTRUCTION
STA 162+10.00
EL. 128.06

EL. 125.81

159+00 160+00 161+00 162+00 163+00 164+00

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

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REVISIONS		
DATE	BY	DESCRIPTION

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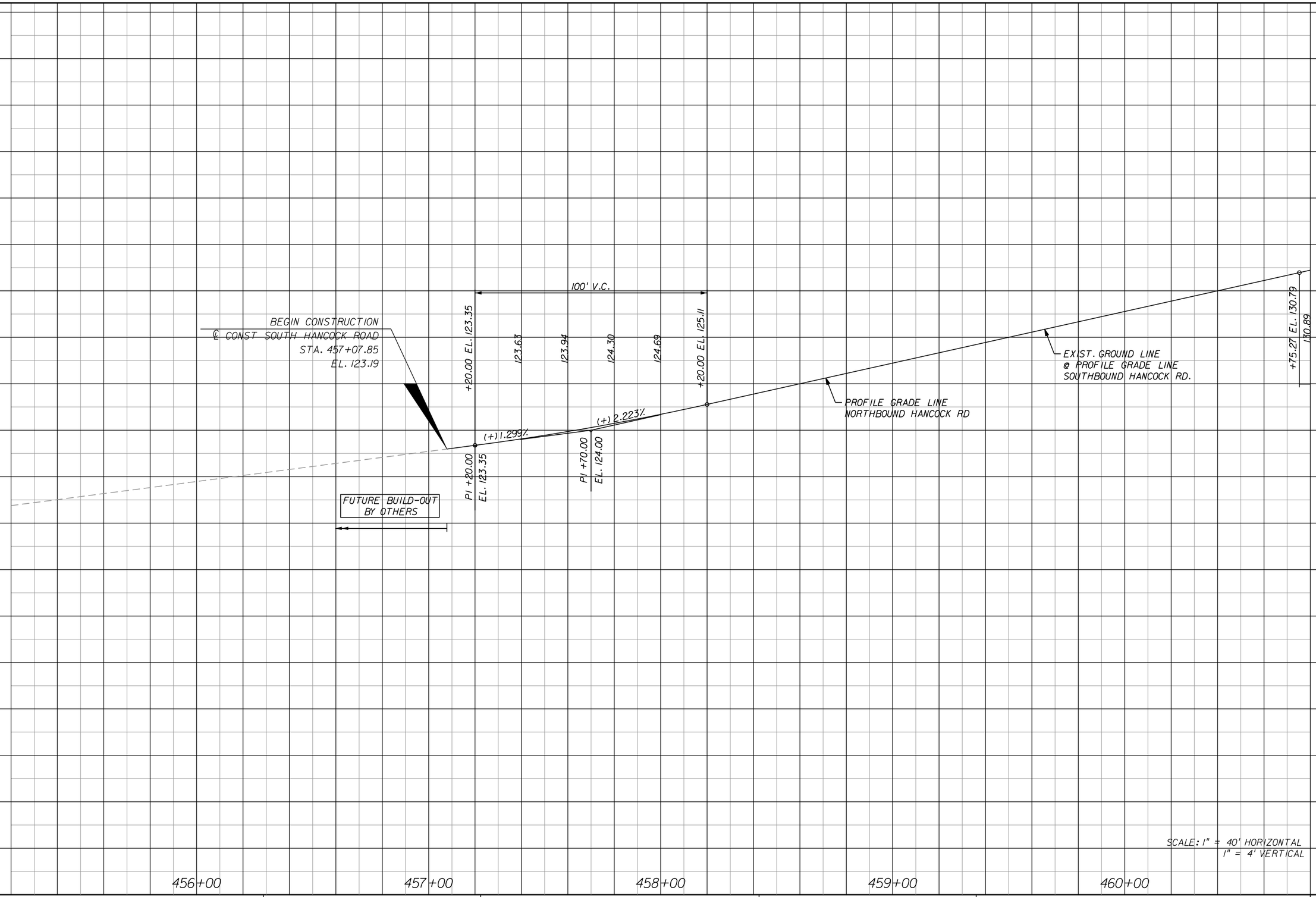
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PROFILE SHEET (14)
HARTWOOD MARSH ROAD

SHEET NO.
53



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

REVISIONS		
DATE	BY	DESCRIPTION

OM Engineering Services, Inc.
Civil • Structural • Inspections

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P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PROFILE SHEET (1) SOUTH HANCOCK ROAD

SHEET NO. 54

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

148
146
144
142
140
138
136
134
132
130
128
126
124
122
120
118
116
114
112

S-216
S-218
S-220

P.I. +25.27
EL. 134.12
(+) 2.223%
(-) 0.500%

EXIST. GROUND LINE
@ PROFILE GRADE LINE
SOUTHBOUND HANCOCK RD.

PROFILE GRADE LINE
NORTHBOUND HANCOCK RD

+05.00 EL. 132.22
132.15
132.10

131.31
131.69
132.03
132.34
132.62
132.85
133.05
133.22
133.34
133.43
133.49
133.51
133.49
133.44
+75.27 EL. 133.37

300' V.C.
K = 110.1

Const. 36" PIPE
Const. 36" PIPE
Const. 36" PIPE

FL 122.38
FL 123.24
FL 123.24
FL 123.99
FL 123.99

461+00
462+00
463+00
464+00
465+00
466+00

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

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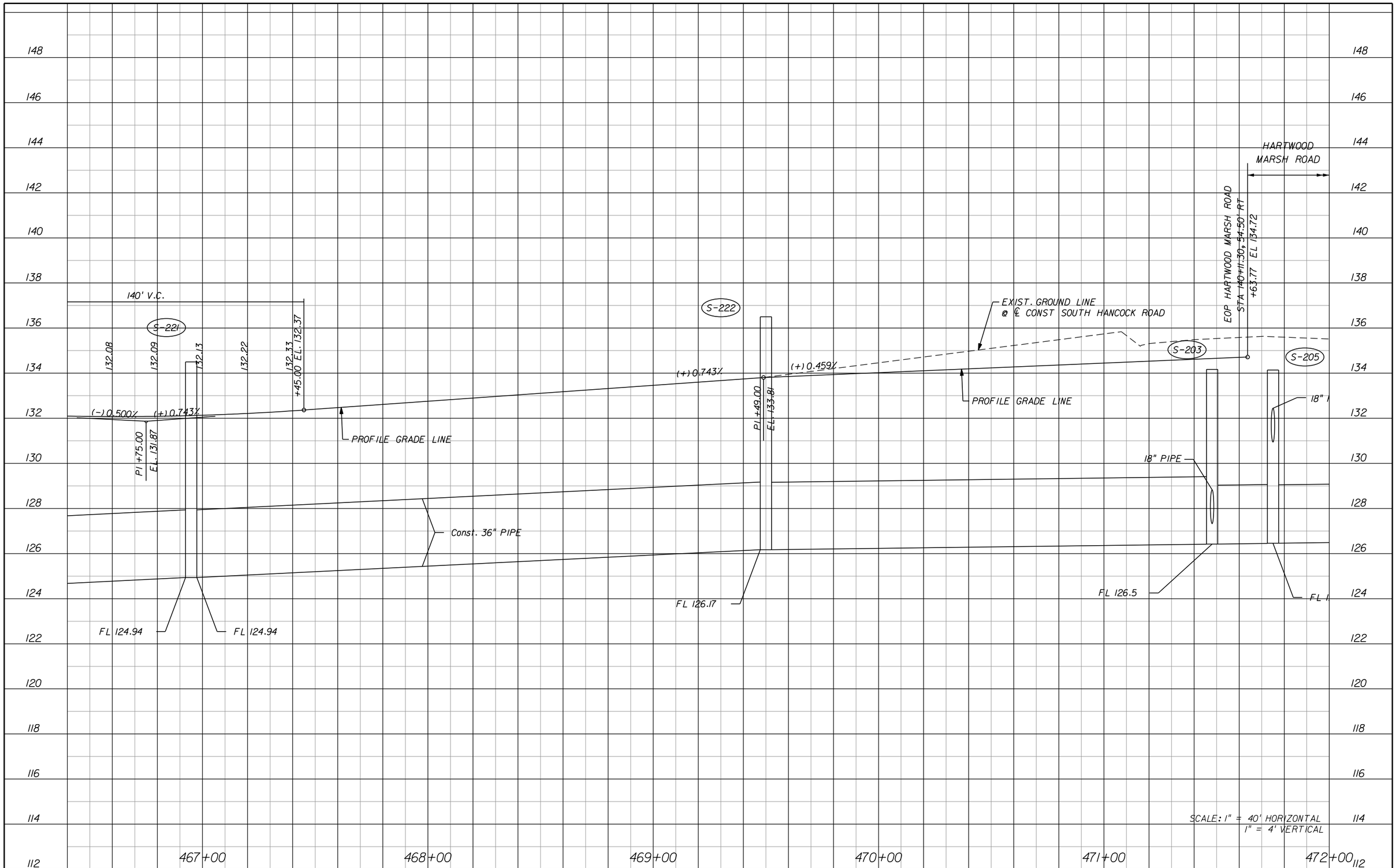
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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PROFILE SHEET (2) SOUTH HANCOCK ROAD

SHEET NO. 55



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

REVISIONS		
DATE	BY	DESCRIPTION

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Civil • Structural • Inspections

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PROFILE SHEET (3) SOUTH HANCOCK ROAD

SHEET NO. 56

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

160
156
152
148
144
140
136
132
128

HARTWOOD MARSH ROAD

110' V.C.
K= 14.9

STA 140+11.85 ℄ CONST HARTWOOD MARSH ROAD = STA 472+18.27 ℄ CONST SOUTH HANCOCK ROAD

EOP HARTWOOD MARSH ROAD STA 140+12.37, 51.00' LT +69.27 EL 134.80 +80.00 EL. 134.77

134.84
135.18
135.80
136.68
137.82
+90.00 EL. 138.50
139.21

(+)7.085%

EXIST. GROUND LINE ℄ CONST SOUTH HANCOCK ROAD

PROFILE GRADE LINE

S-227A
18" PIPE
FL 151.60

S-225
18" PIPE
FL 140.40

Const. 18" PIPE

S-223
S-224
(-)0.300%
S-204
S-202
(-)0.300%

PI +35.00
EL. 134.60

Const. 18" PIPE

PIPE

18" PIPE FROM S-206
18" PIPE FROM S-206
24" PIPE FROM
TO S-202
FROM S-204
FL 130.20
FROM S-223
24" PIPE
FL 126.80
FL 126.90

472+00
473+00
474+00
475+00
476+00
477+00

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

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REVISIONS		
DATE	BY	DESCRIPTION

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PROFILE SHEET (4) SOUTH HANCOCK ROAD

SHEET NO. 57

176
172
168
164
160
156
152
148
144

EXIST. GROUND LINE
@ ℄ CONST SOUTH HANCOCK ROAD

END MILLING, RESURFACING
& WIDENING
END CONSTRUCTION
STA 482+58.00

478+00
479+00
480+00
481+00
482+00
483+00

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

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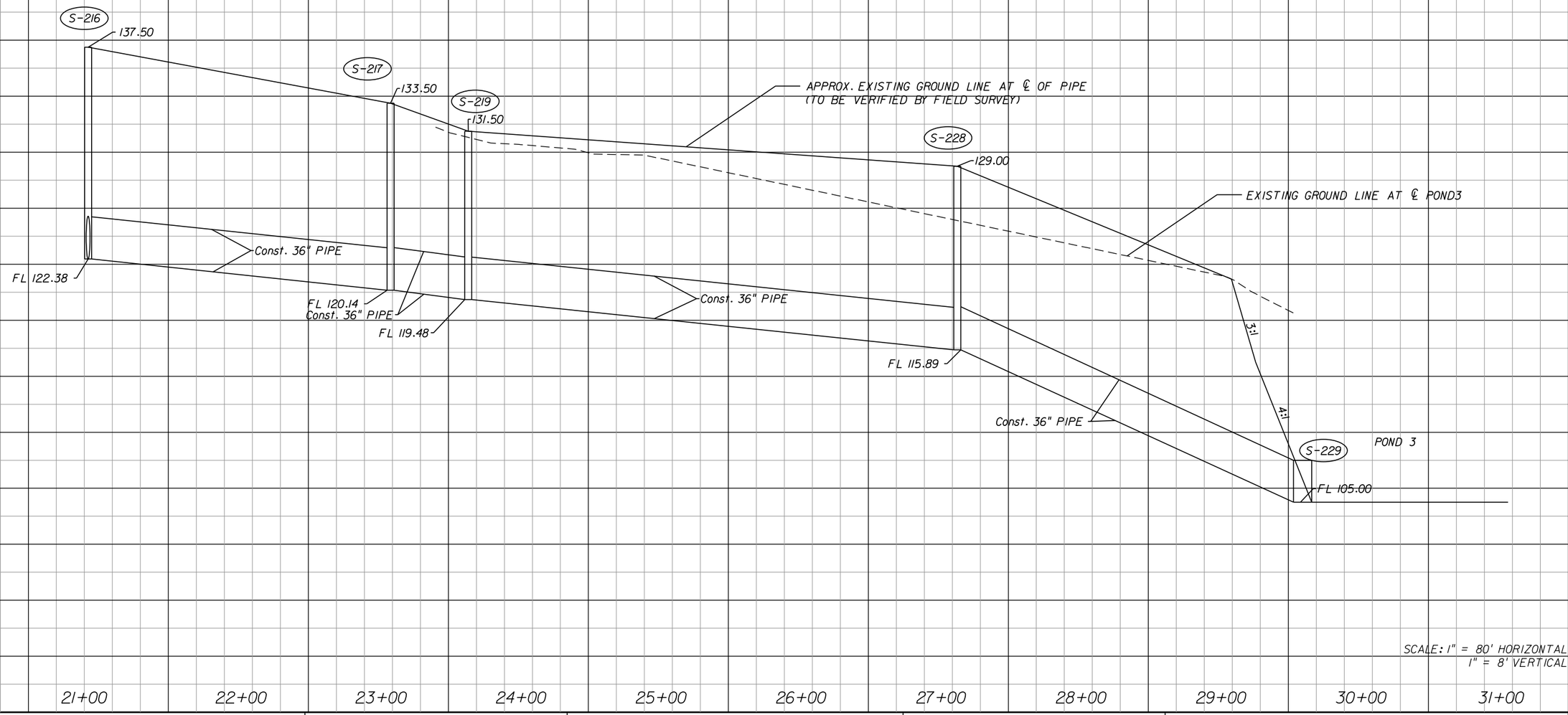
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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PROFILE SHEET (5) SOUTH HANCOCK ROAD

SHEET NO. 58



SCALE: 1" = 80' HORIZONTAL
1" = 8' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

PROFILE SHEET
POND 3 PIPE NETWORK

SHEET NO. 59

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

103+21.30
55.34' LT
EL 163.08

MATCH EXIST.
SIDEWALK ELEVATION 163.79'
STA. 103+41.89, 67.85 LT.

R/W LINE

STA. 103+38.72, 62.19' LT.
STA. 103+45.02, 59.29' LT.

MATCH EXIST., SIDEWALK ELEVATION 162.52'
STA. 103+67.19, 56.21' LT.

MATCH EXIST.
SIDEWALK ELEVATION 162.34'
STA. 103+72.05, 56.21' LT.

R/W LINE

103+14.24
69.41' LT
MATCH EXISTING
EL 163.72

CR-E

4'

103+46.37
36.98' LT
EL 161.79

3'

5'

5'

50' R

103+14.24
34.50' LT
EL 163.29

CR-B

103+21.30
34.50' LT
EL 162.76

103+32.37
34.50' LT
EL 162.22

103+46.37
34.50' LT
EL 161.69

103+61.91
34.50' LT
EL 161.51

16.36°

103+32.37
44.16' LT
EL 162.44

HARTWOOD MARSH ROAD

12.0'

12.0'

℄ CONST HARTWOOD
MARSH ROAD

BEGIN PROJECT
STA 103+37.72

102

103

104

+89.02
7.50' (RT)

+91.02
5.50' (RT)

4.0' TRAFFIC SEPARATOR

75' CR

BEGIN
CONSTRUCTION
STA 102+78.16

+91.02
9.50' (RT)

16.36°

104+00.00
39.00' RT
EL 161.12

12.0'

1.5'

103+87.54
39.00' RT
EL 161.36

104+00.00
44.18' RT
EL 160.81

104+19.70
39.00' RT
EL 161.46

103+80.27
39.00' RT
EL 161.34

VISTA DEL
LAGO BLVD

610

611

US 27

103+87.54
55.21' RT
EL 160.15

40' R

CR-E

4'

4'

32' R

104+27.97
47.00' RT

R/W LINE

103+80.27
72.23' RT
EL 159.50

CR-E

MATCH EXIST.
SIDEWALK ELEVATION 160.95'
STA. 104+18.18, 55.59' RT.

MATCH EXIST.
SIDEWALK ELEVATION 161.03'
STA. 104+13.44, 57.20' RT.

ROYAL OAKS PLAZA

103+81.45
90.71' RT
EL 158.84

MATCH EXIST.
SIDEWALK ELEVATION 159.39'
STA. 103+98.32, 91.31' RT.

103+83.23
72.23' RT
EL 158.68

MATCH EXIST.
SIDEWALK ELEVATION 159.28'
STA. 103+93.70, 92.80' RT.

N

0 5 20
Feet

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OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

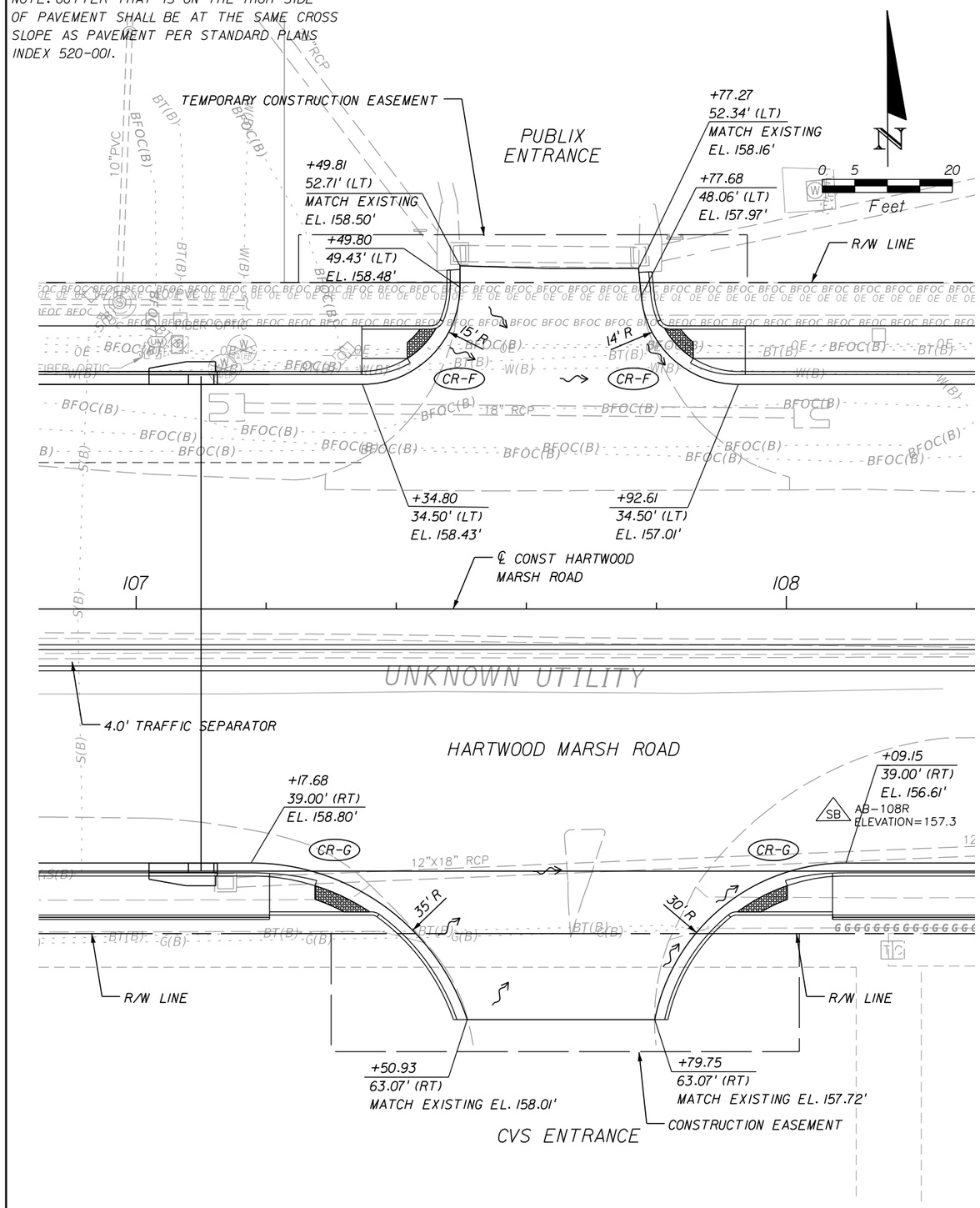
LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

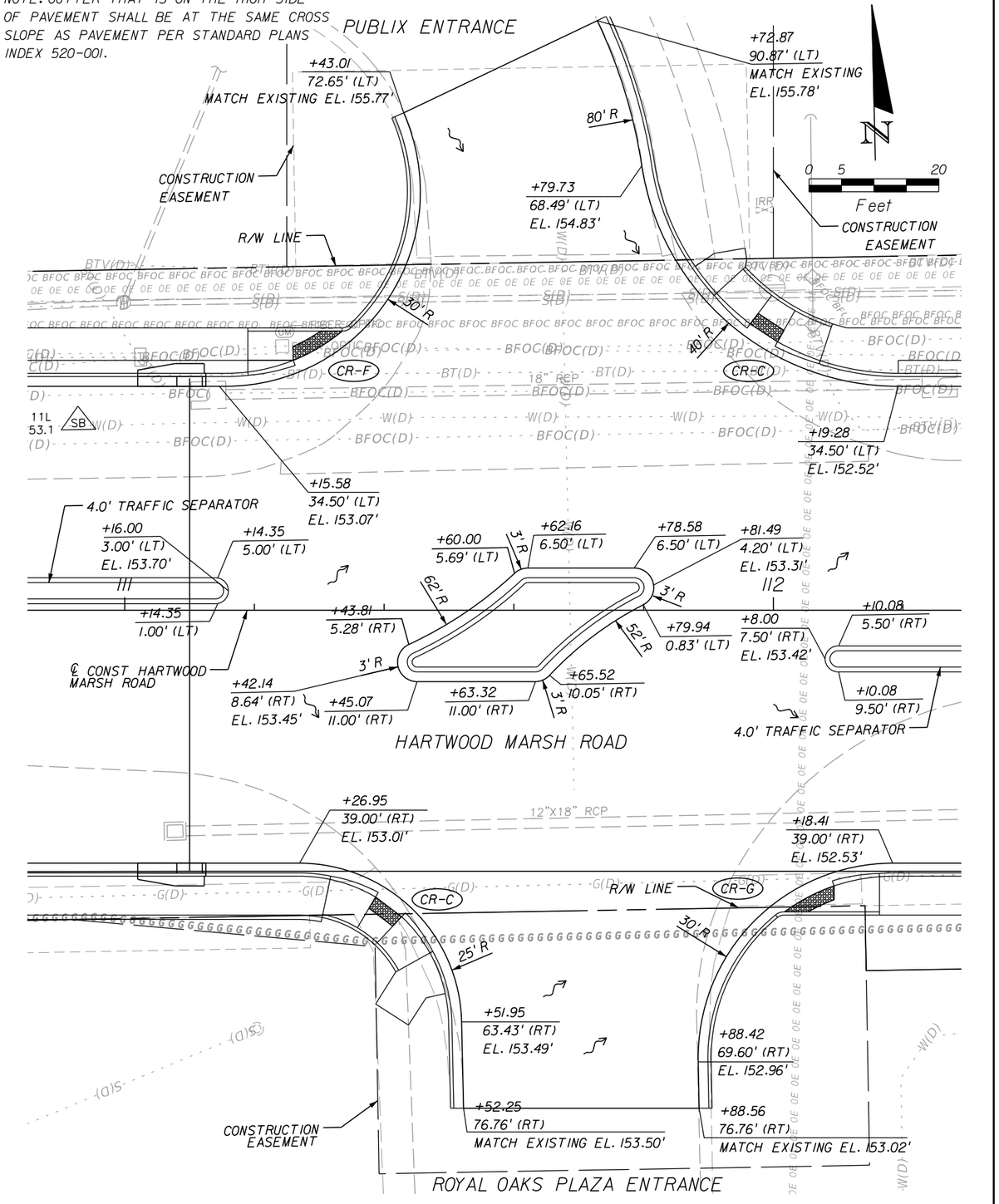
INTERSECTION DETAIL (1)
US 27

SHEET NO. 60

NOTE: GUTTER THAT IS ON THE HIGH SIDE OF PAVEMENT SHALL BE AT THE SAME CROSS SLOPE AS PAVEMENT PER STANDARD PLANS INDEX 520-001.



NOTE: GUTTER THAT IS ON THE HIGH SIDE OF PAVEMENT SHALL BE AT THE SAME CROSS SLOPE AS PAVEMENT PER STANDARD PLANS INDEX 520-001.



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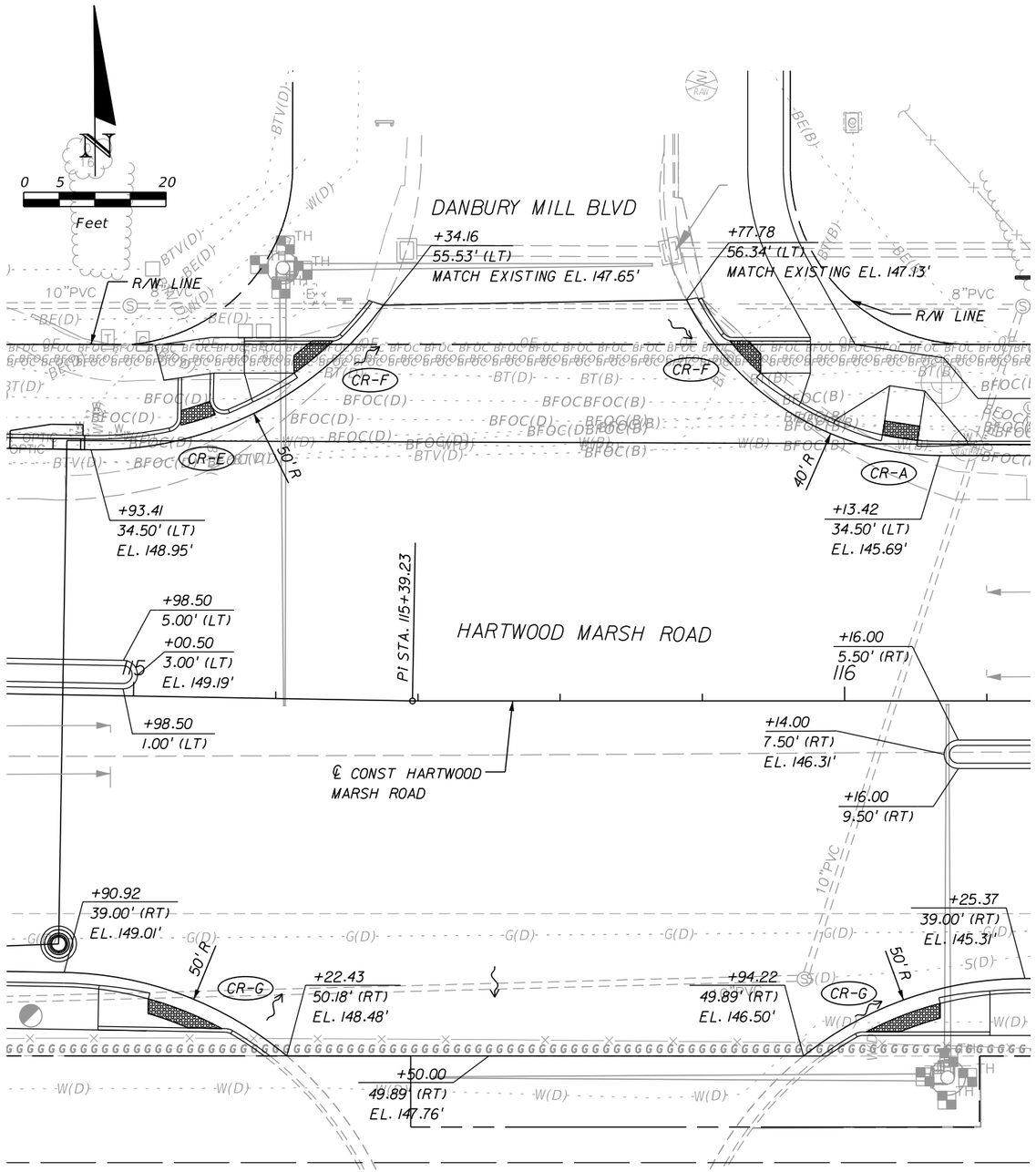
LAKE COUNTY, FL
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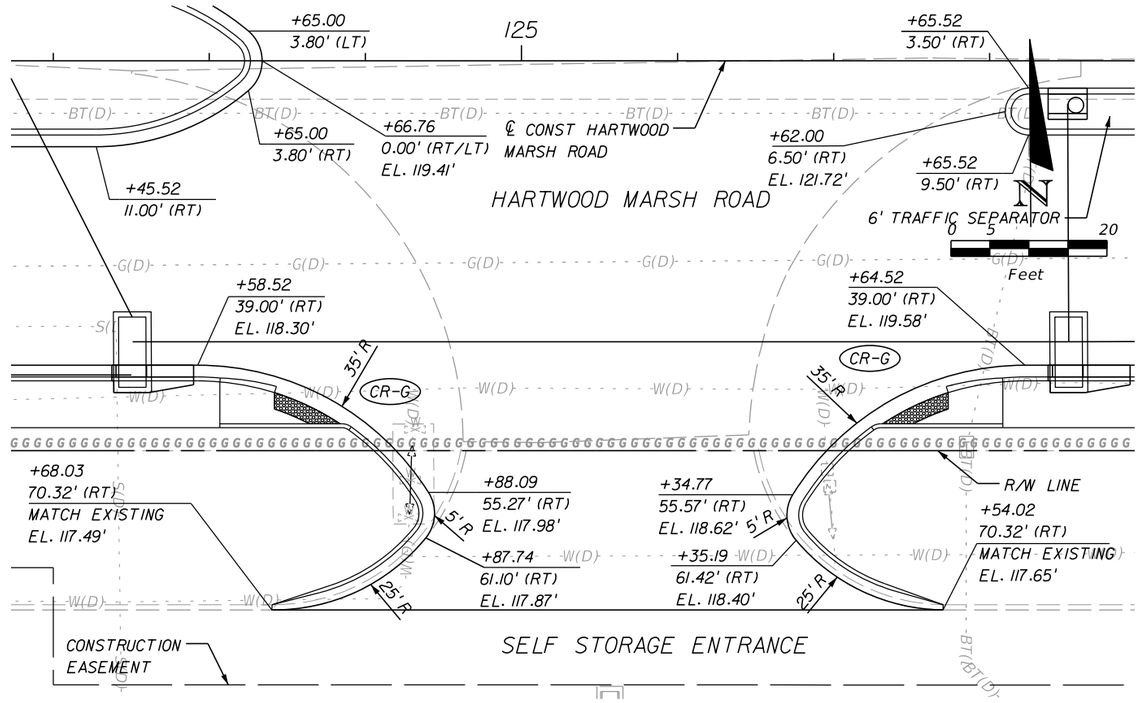
HARTWOOD MARSH ROAD - PHASE I

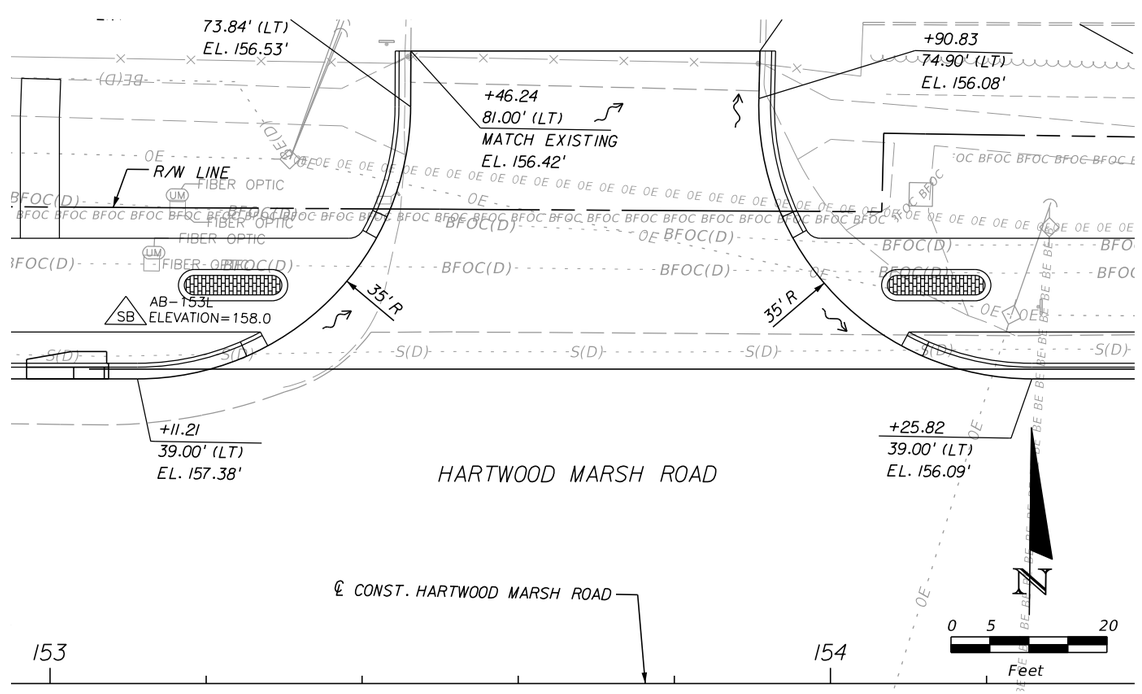
INTERSECTION DETAIL (2)

SHEET NO. 61

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HARTWOOD MARSH ROAD - PHASE I

INTERSECTION DETAIL (3)

SHEET NO. 62

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0 5 20
Feet

139+21.79
54.50' RT
EL 133.40

139+21.79
42.5' RT
EL 133.64

139+41.04
58.35' RT
EL 133.54

139+41.04
42.5' RT
EL 134.05

CR-E

139+57.32
69.32' RT
EL 133.67

139+57.32
42.5' RT
EL 134.37

R/W LINE

471+12.86
39.00' LT
EL 133.94

471+32.12
42.85' LT
EL 133.81

CR-E

50' R

139+80.00
42.5' RT
EL 134.77

4' TRAFFIC SEPARATOR

Sta. 471+35.00
9.50' (LT)

Sta. 471+37.00
7.50' (LT)

471

Sta. 471+35.00
5.50' (LT)

98

471+00.00
6.50' RT
EL 134.97

140+11.30
54.5' RT
EL 135.01

SOUTH HANCOCK ROAD

140+00.00
42.5' RT
EL 135.08

140+20.00
42.5' RT
EL 135.36

140+40.00
42.5' RT
EL 135.60

140+57.42
42.5' RT
EL 135.78

CR-A

50' R

471+26.78
46.50' RT
EL 133.70

471+45.76
50.26' RT
EL 133.76

R/W LINE

140+72.24
56.97' RT
EL 135.60

140+88.40
46.26' RT
EL 135.54

CR-A

140+72.24
42.5' RT
EL 135.91

140+88.40
42.5' RT
EL 136.03

141+07.42
42.5' RT
EL 136.14

+31.12
5.50' (LT)

+31.12
9.50' (LT)

+33.12
7.50' (LT)

139+50.00
14.50' RT
EL 134.79

139+50.00
11.0' LT
EL 134.79

℄ CONST HARTWOOD
MARSH ROAD

140+00.00
14.50' RT
EL 135.65

75' CR

140

472

140+00.00
11.0' LT
EL 135.65

140+20.00
39.0' LT
EL 135.36

STA 140+11.85 ℄ CONST
HARTWOOD MARSH ROAD =
STA 472+18.27 ℄ CONST
SOUTH HANCOCK ROAD

140+50.00
14.50' RT
EL 136.27

140+43.38
39.0' LT
EL 135.64

HARTWOOD MARSH ROAD

140+57.92
39.0' LT
EL 135.79

140+74.13
39.0' LT
EL 135.93

140+50.00
11.00' LT
EL 136.27

+90.00
7.75' (RT)

140+93.38
39.0' LT
EL 136.06

+96.75
14.50' (RT)

+96.75
1.00' (RT)

141

141+00.00
14.50' RT
EL 136.66

141+00.00
11.00' LT
EL 136.66

139+43.15
39.0' LT
EL 134.09

CR-C

R/W LINE

139+58.36
42.0' LT
EL 134.15

139+58.36
39.0' LT
EL 134.39

139+71.29
50.57' LT
EL 134.21

40' R

472+81.02
32.65' LT
EL 134.27

472+96.57
29.50' LT
EL 134.33

CR-D

139+83.15
39.0' LT
EL 134.82

140+00.00
39.0' LT
EL 135.08

140+12.37
51.0' LT
EL 135.12

473

473+00.00
5.50' LT
EL 134.84

SOUTH HANCOCK ROAD

℄ HANCOCK ROAD

473+00.00
6.50' RT
EL 134.84

138.73

473+20.09
30.50' RT
EL 134.70

473+00.84
34.35' RT
EL 134.76

140+57.85
65.82' LT
EL 135.15

140+74.13
54.85' LT
EL 135.54

140+93.38
51.0' LT
EL 135.82

R/W LINE

R/W LINE

CR-A

CR-A

50' R

138.73

R/W LINE

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ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
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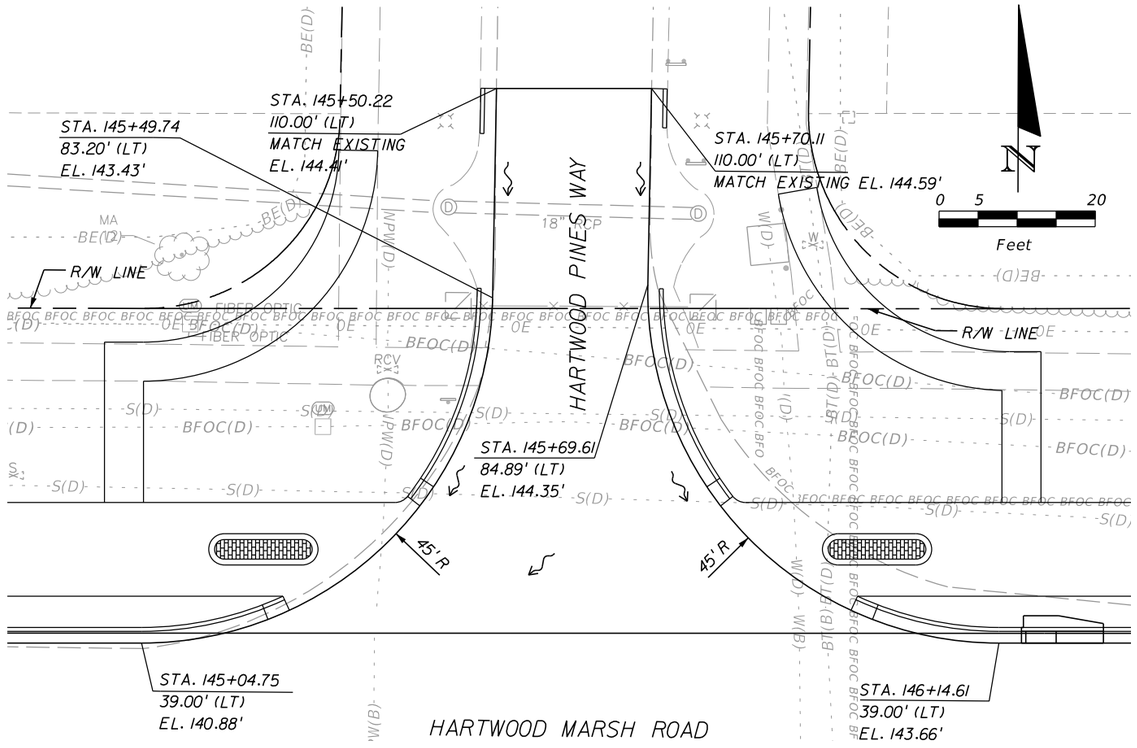
LAKE COUNTY, FL
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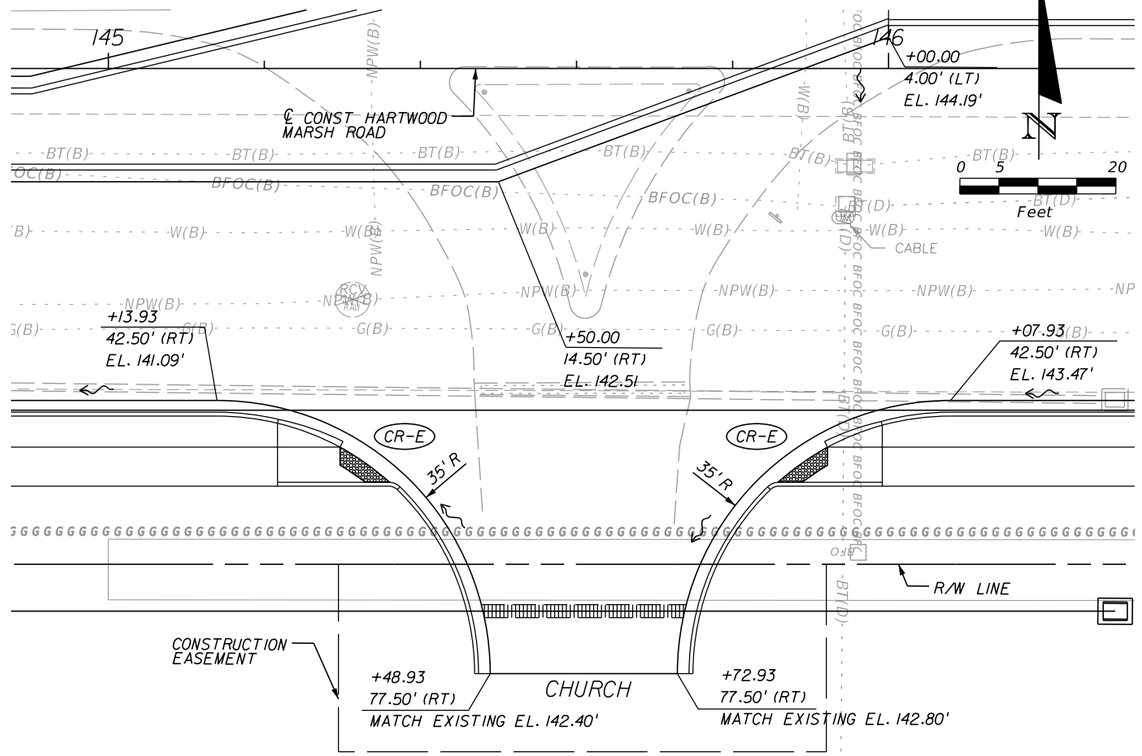
HARTWOOD MARSH ROAD - PHASE I

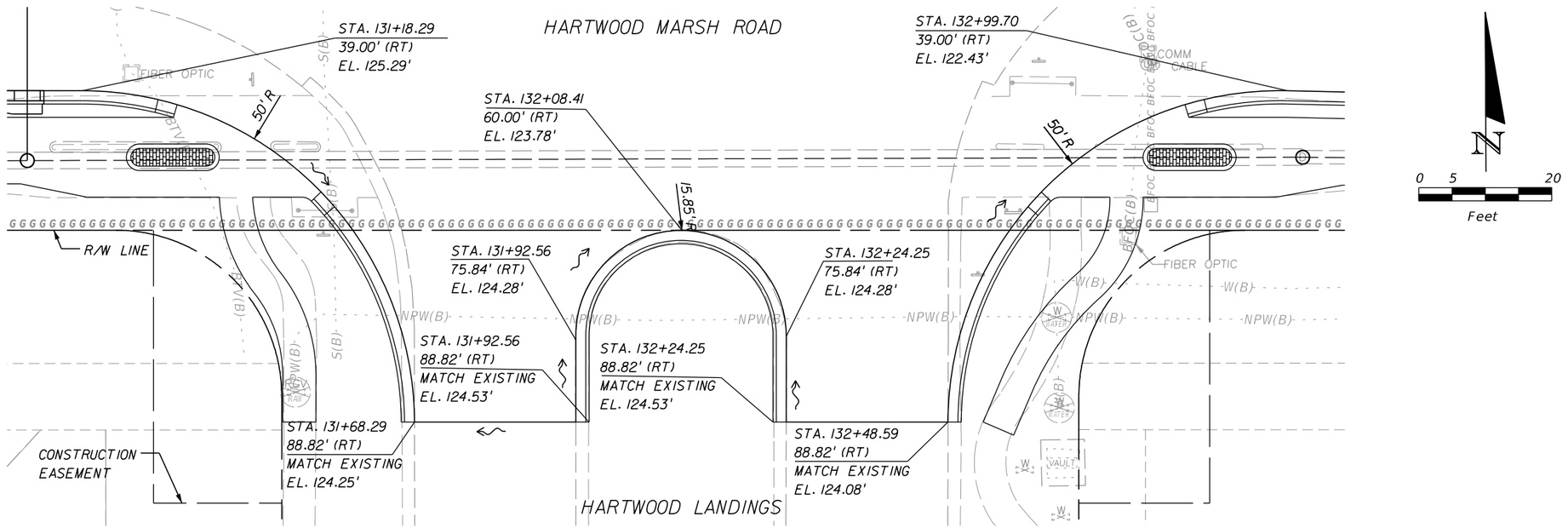
INTERSECTION DETAIL (4) HANCOCK ROAD

SHEET NO. 63

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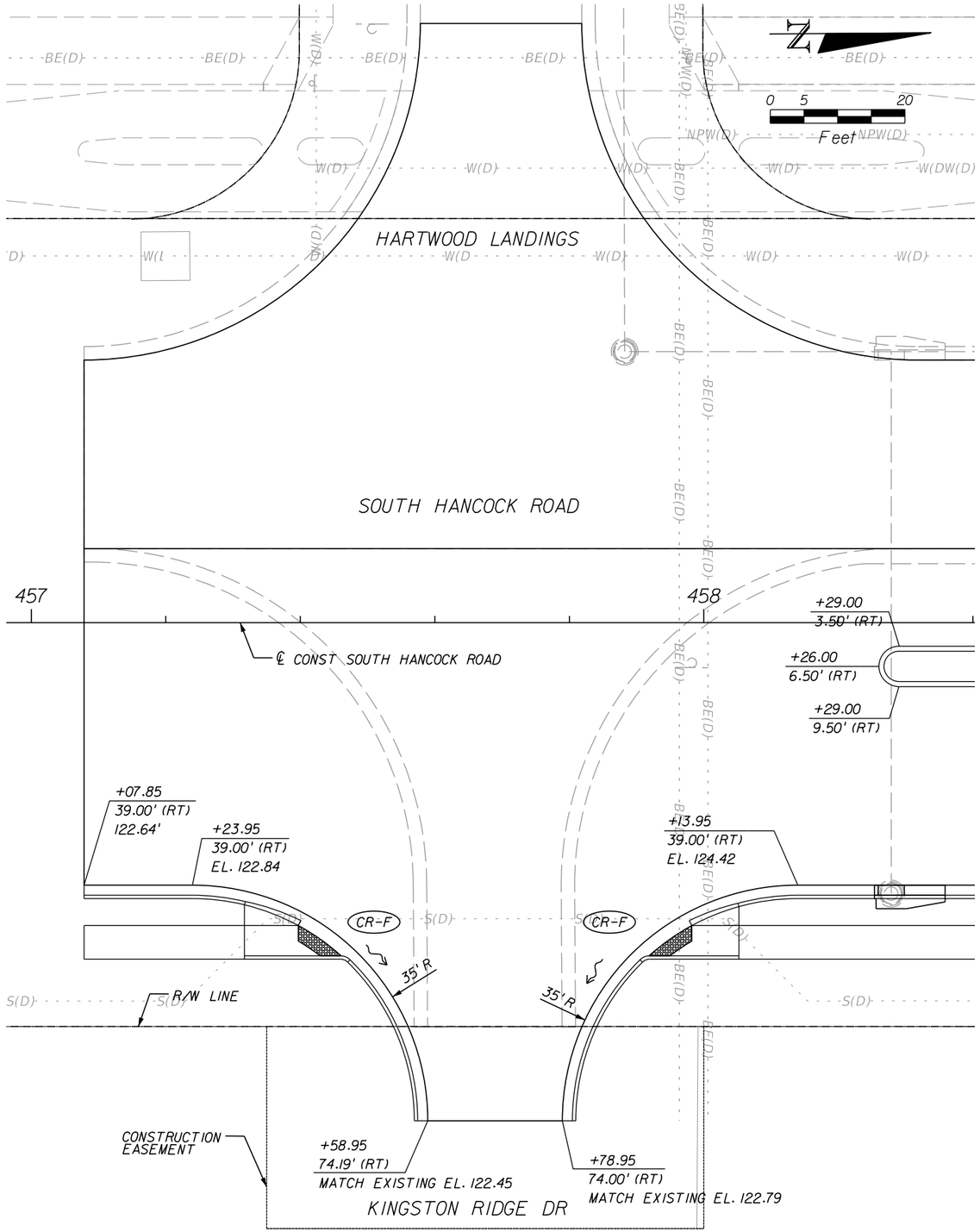
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P.E. LICENSE NUMBER 40049

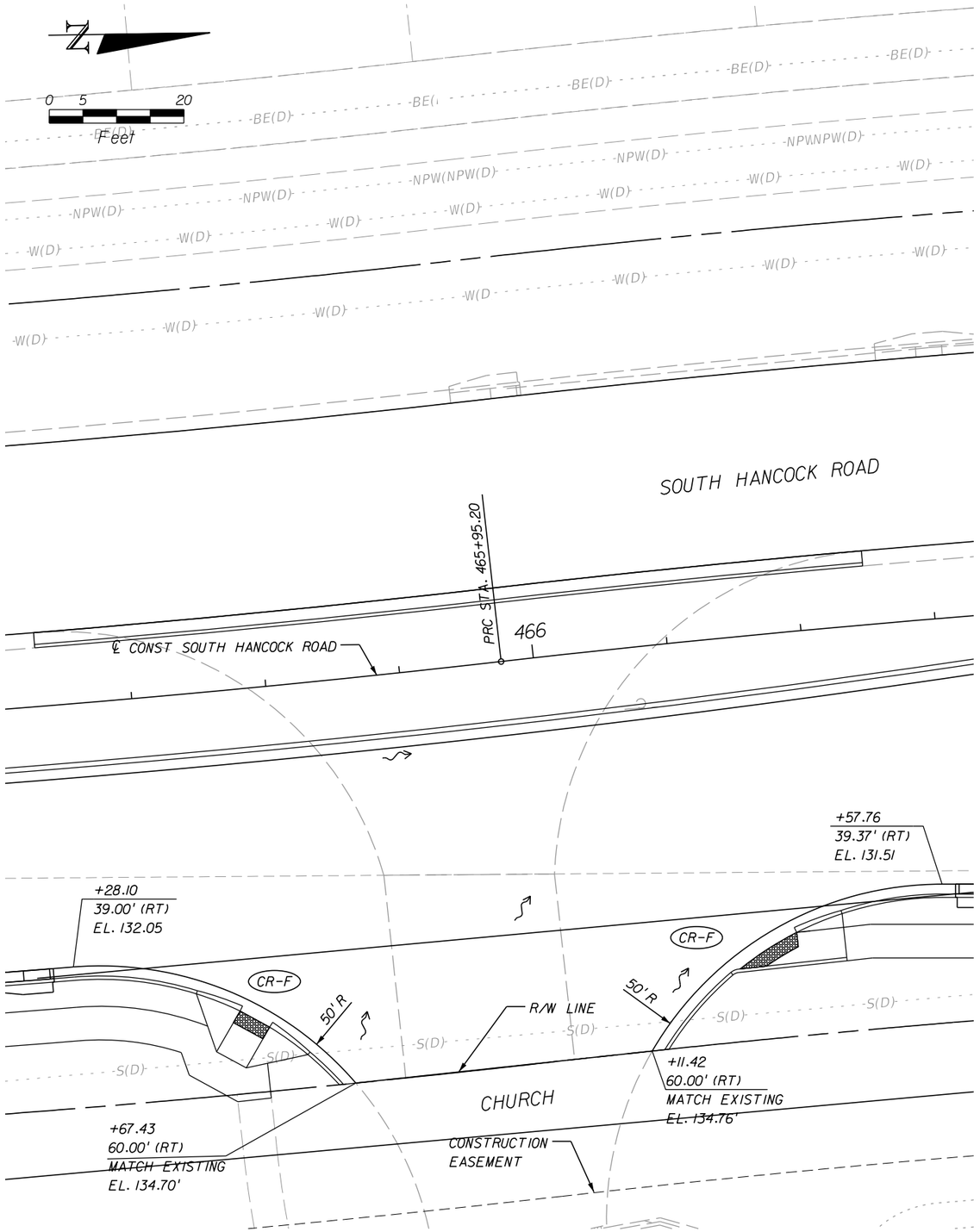
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HARTWOOD MARSH ROAD - PHASE I

INTERSECTION DETAIL (5)

SHEET NO. 64





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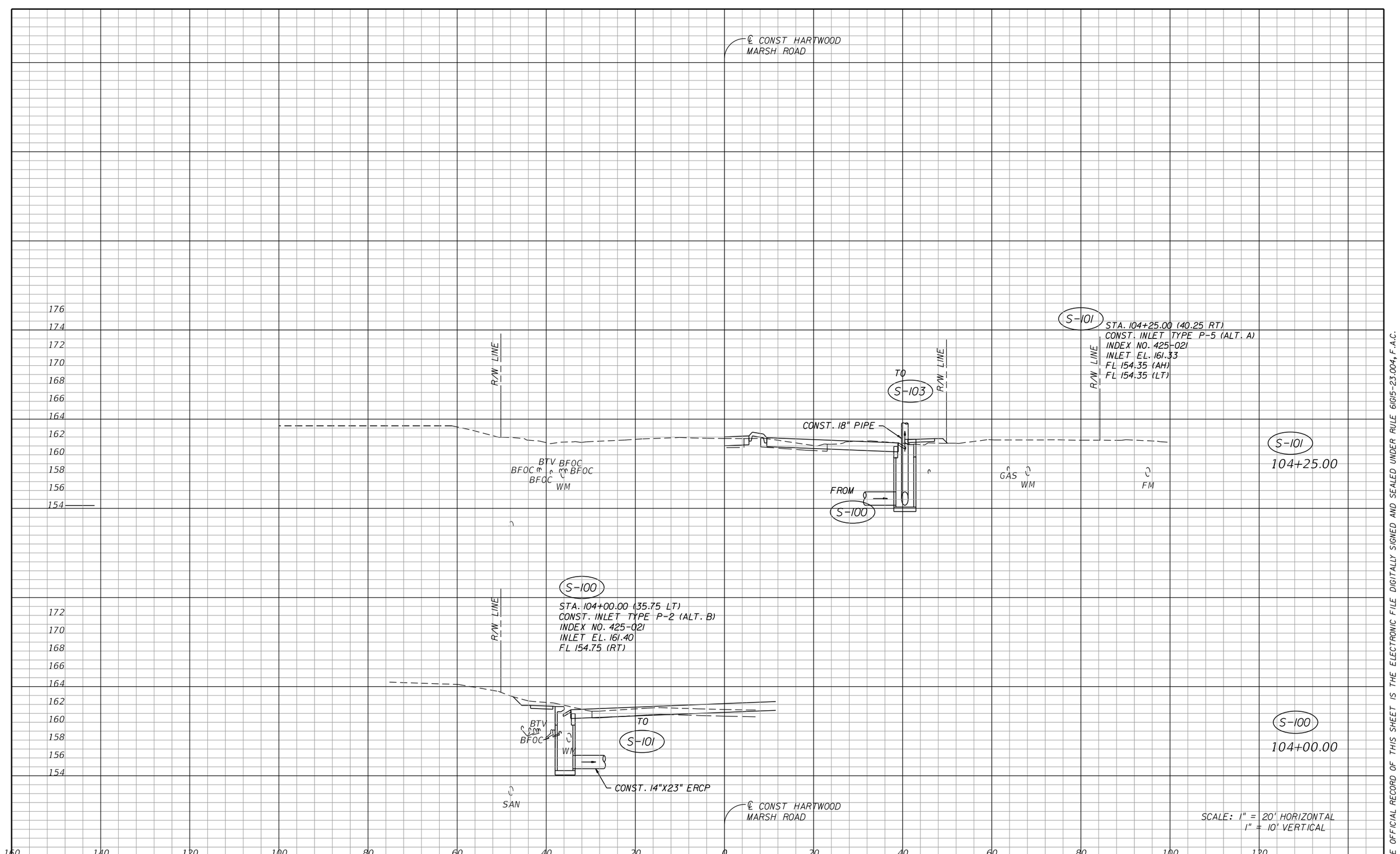
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

INTERSECTION DETAIL (6)

SHEET NO. 65



SCALE: 1" = 20' HORIZONTAL
1" = 10' VERTICAL

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FAX: (407) 704-7816

ENGINEER OF RECORD: DAVID RETLAW BORYS, P.E.
P.E. LICENSE NUMBER 75372

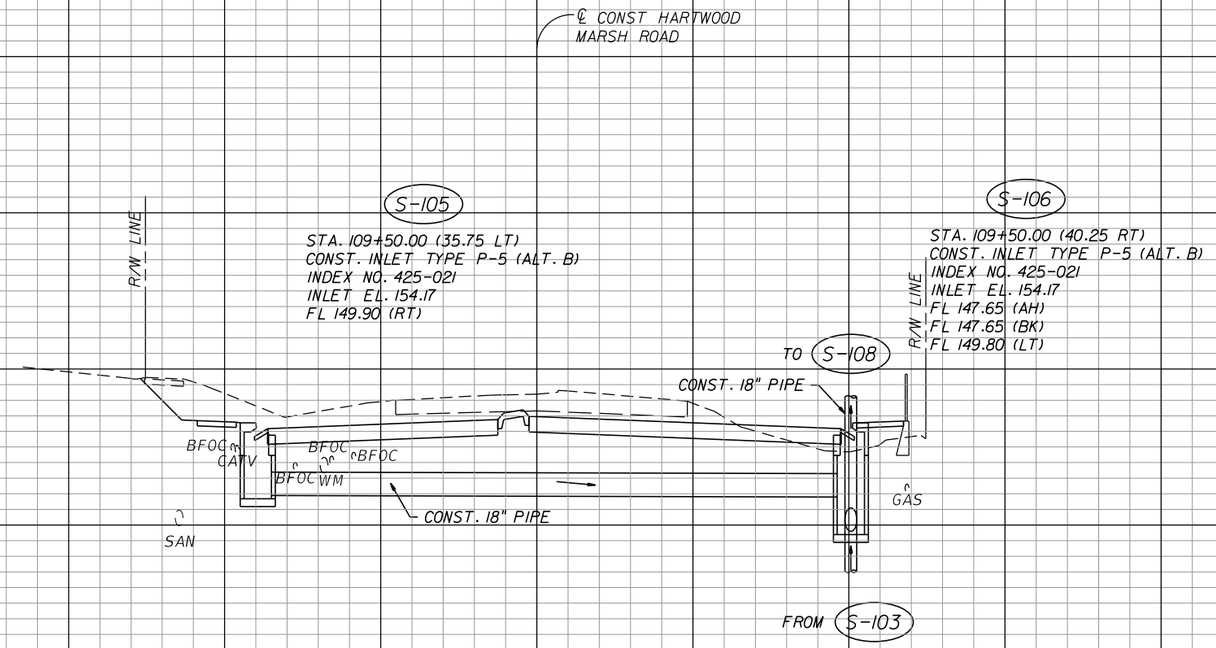
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HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 66

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ENGINEER OF RECORD: DAVID RETLAW BORYS, P.E.
P.E. LICENSE NUMBER 75372

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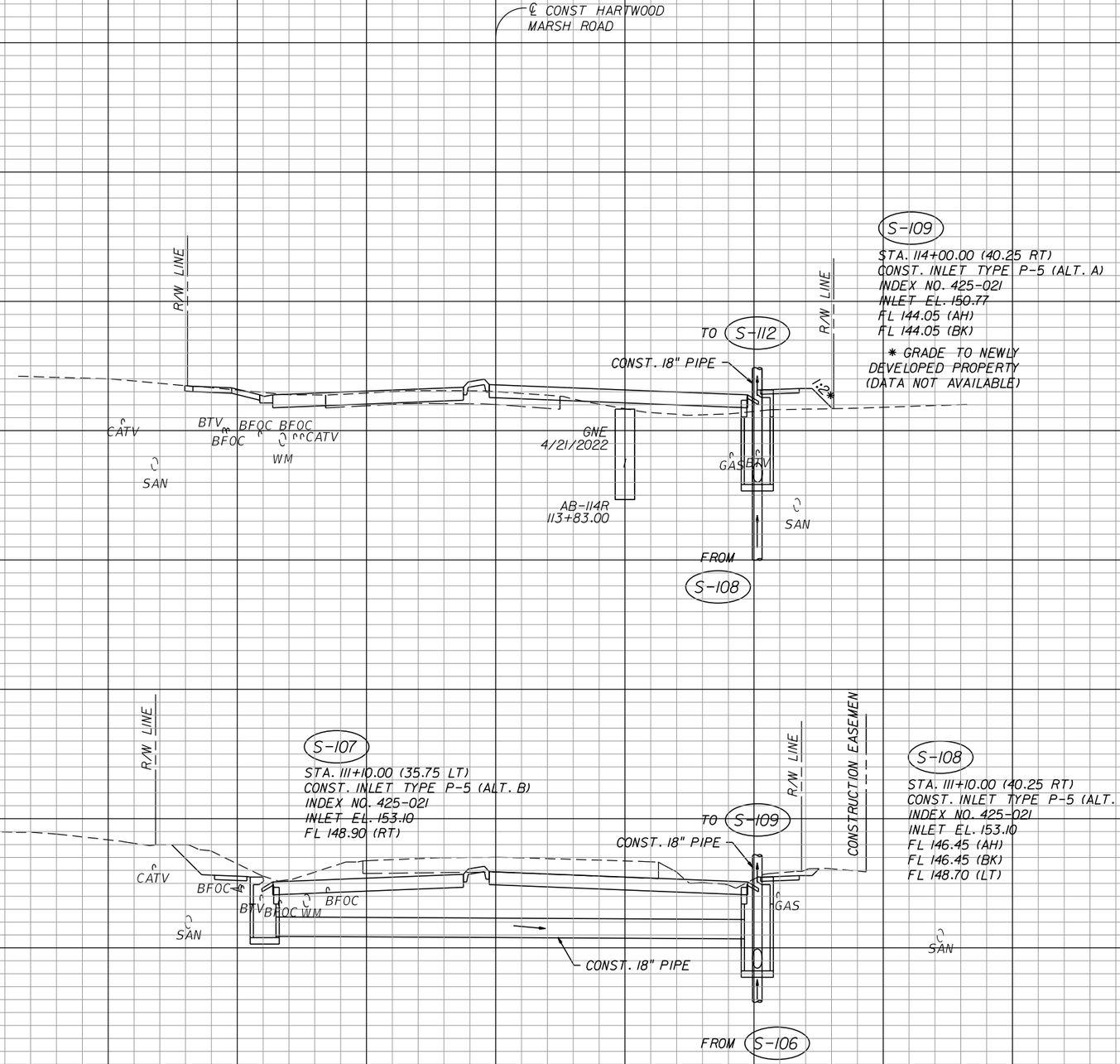
HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 67

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ENGINEER OF RECORD: DAVID RETLAW BORYS, P.E.
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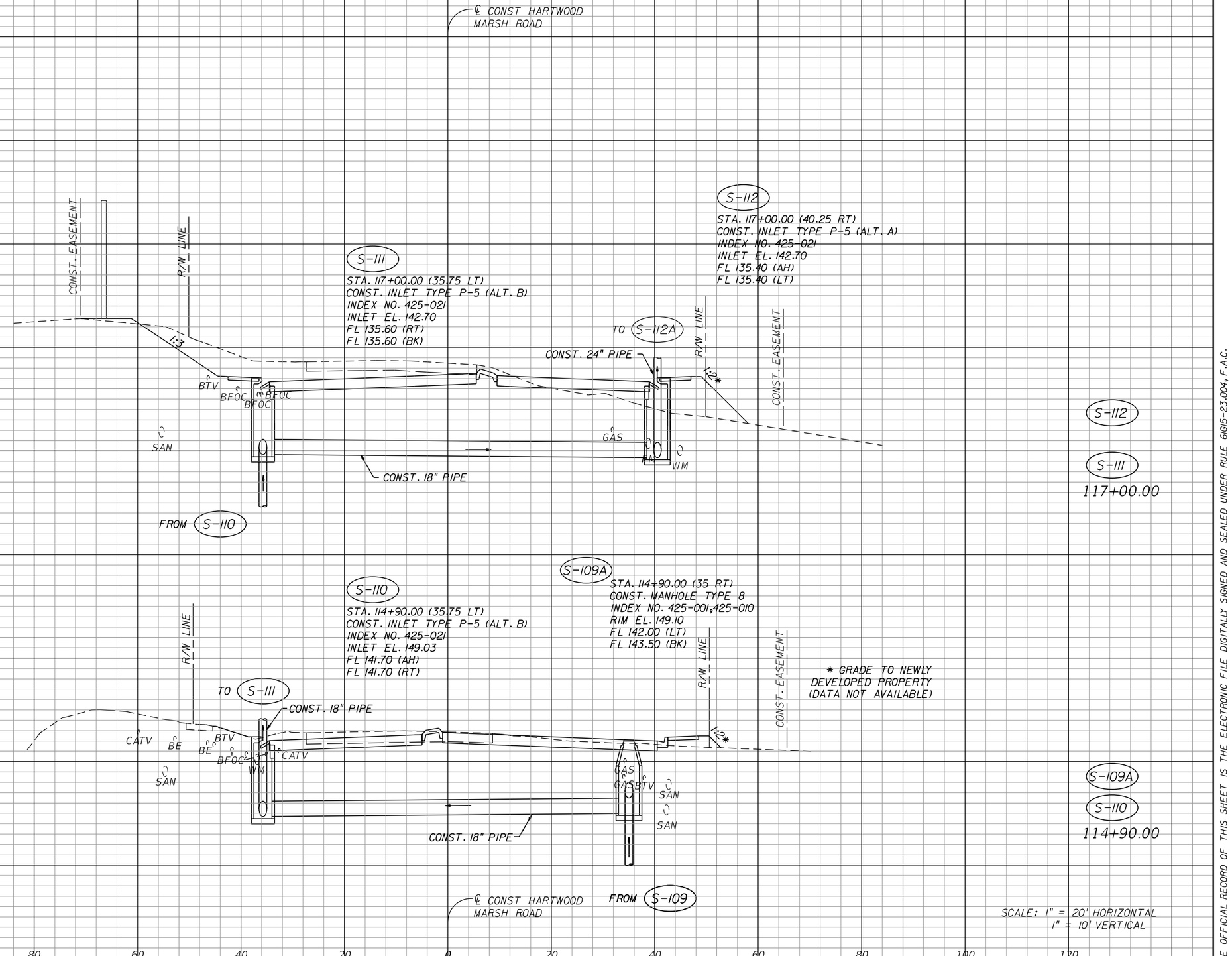
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HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 68

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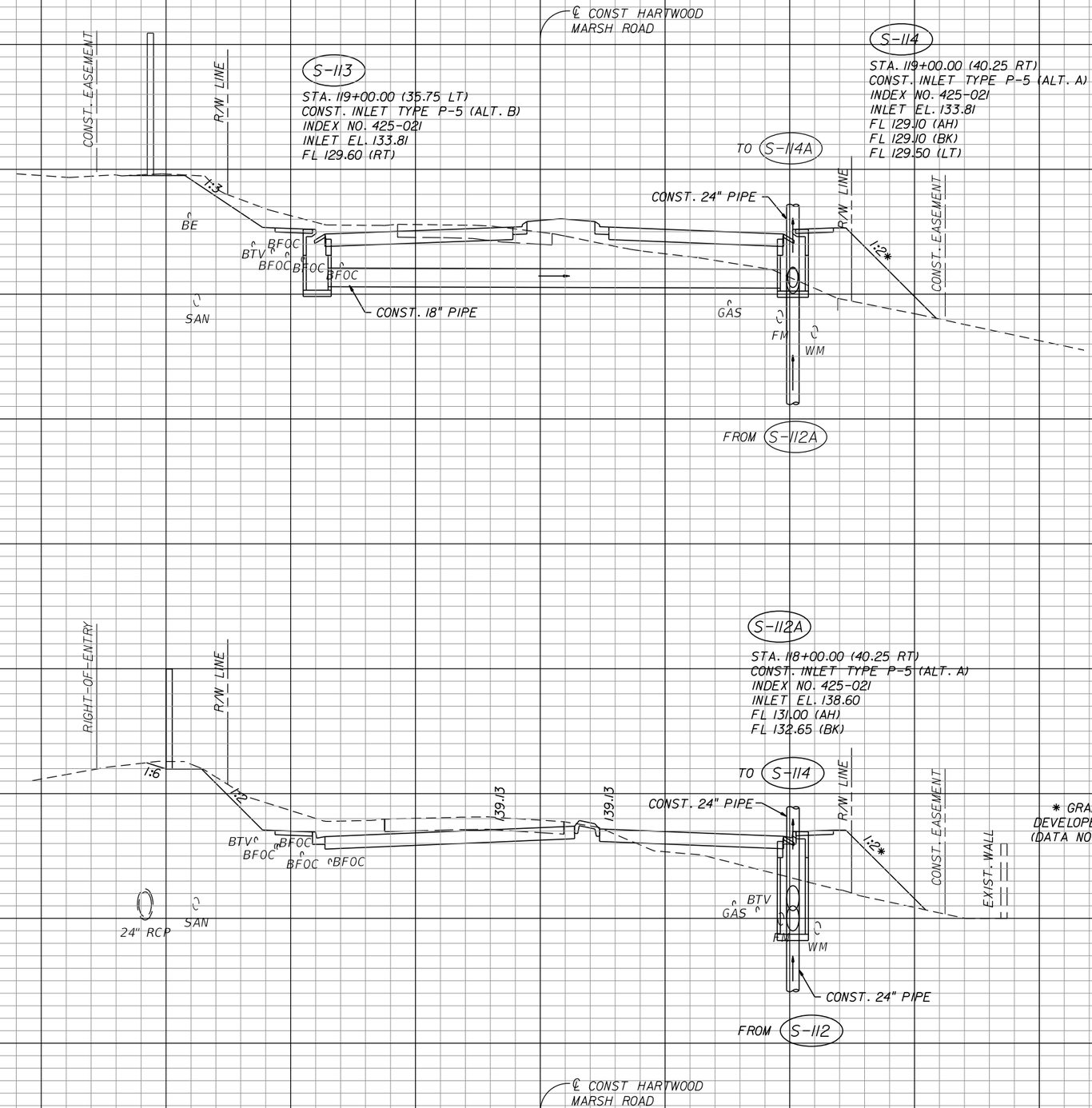
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HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 69

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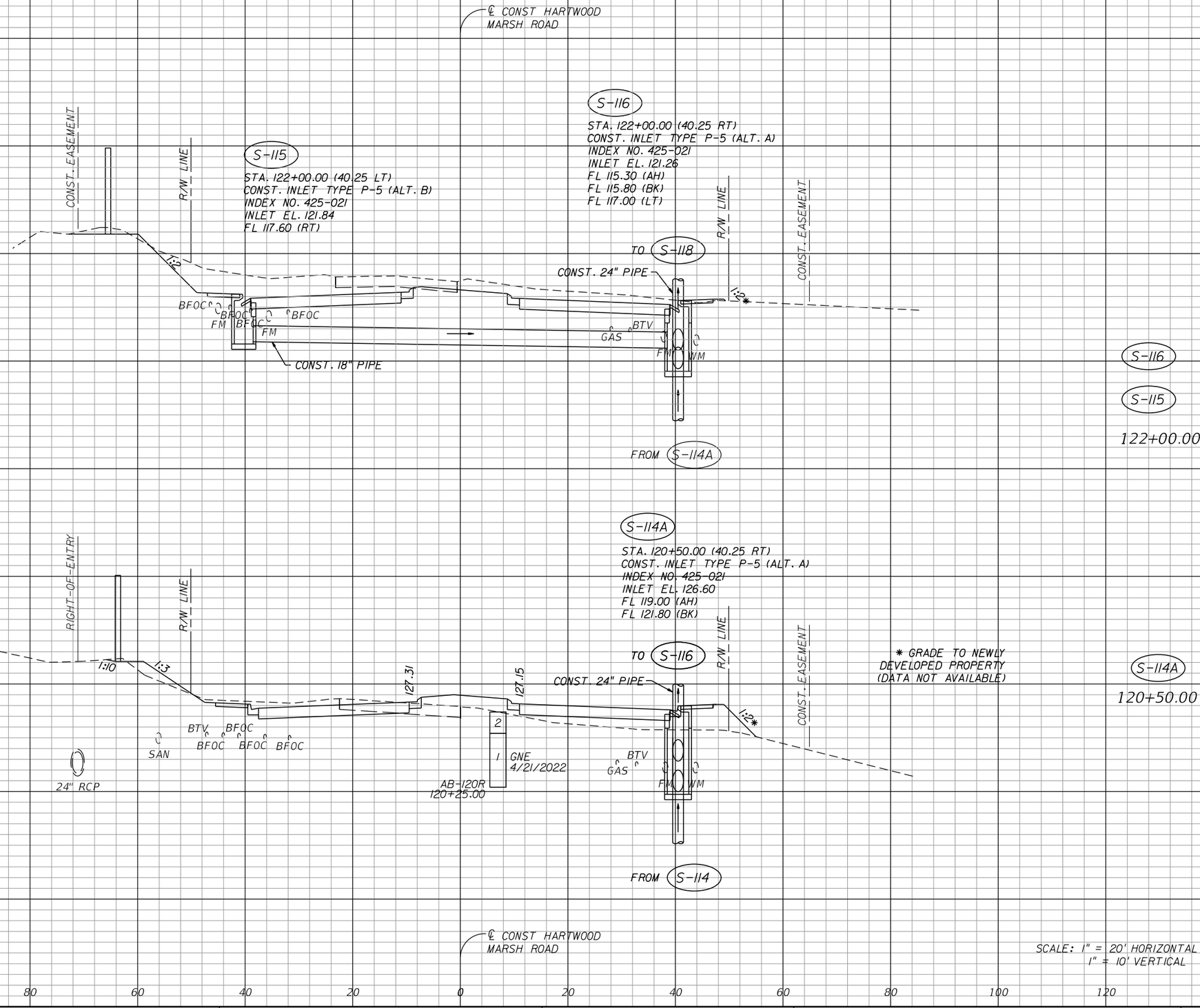
HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 70

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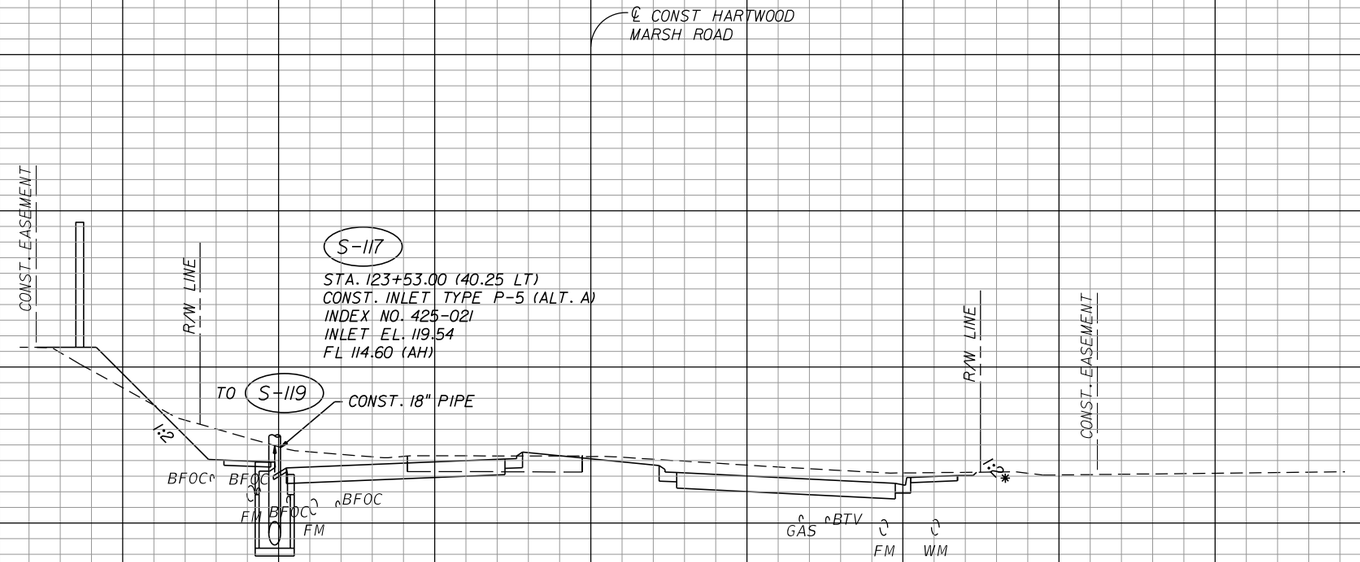
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HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 71

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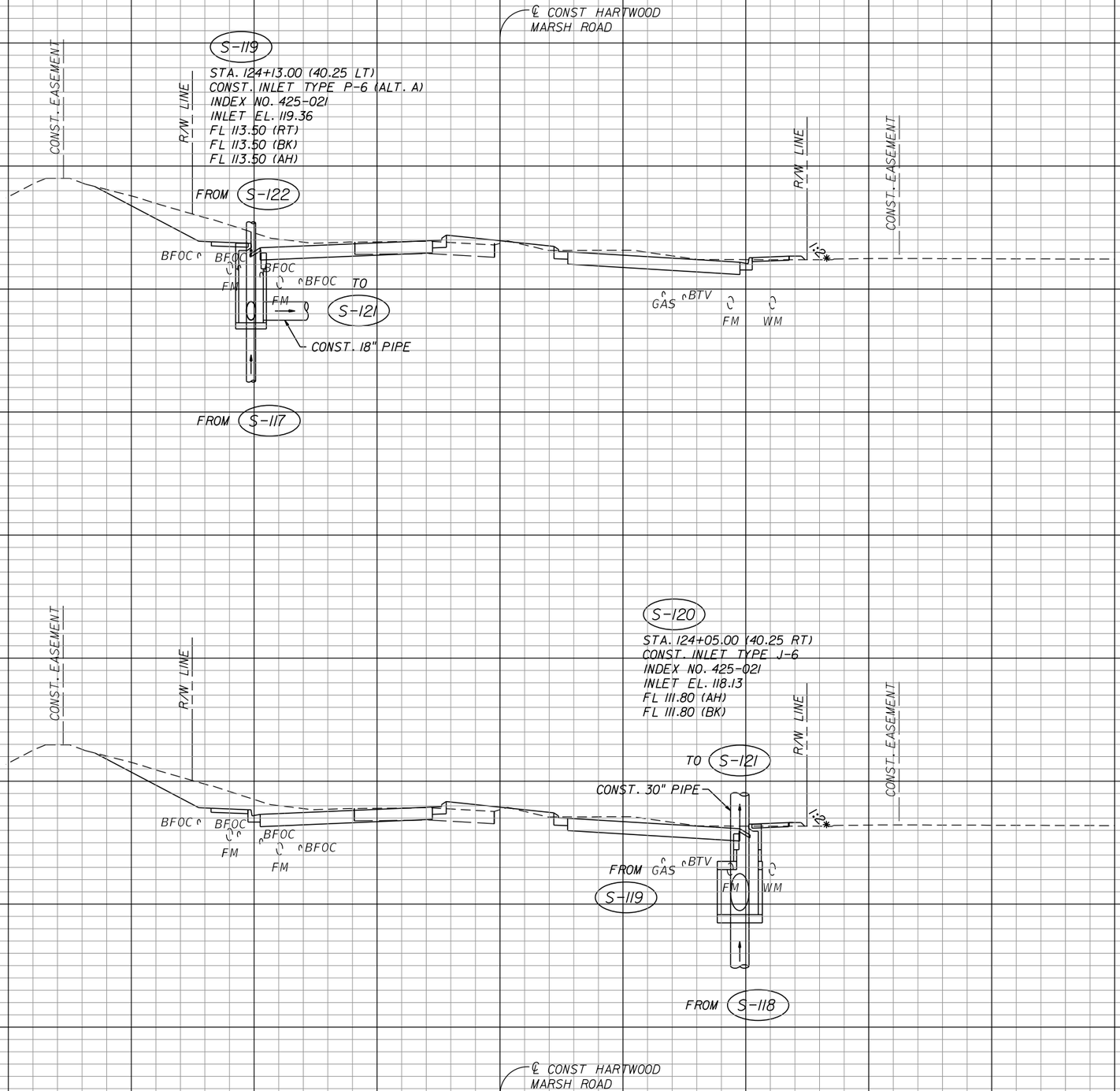
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HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 72

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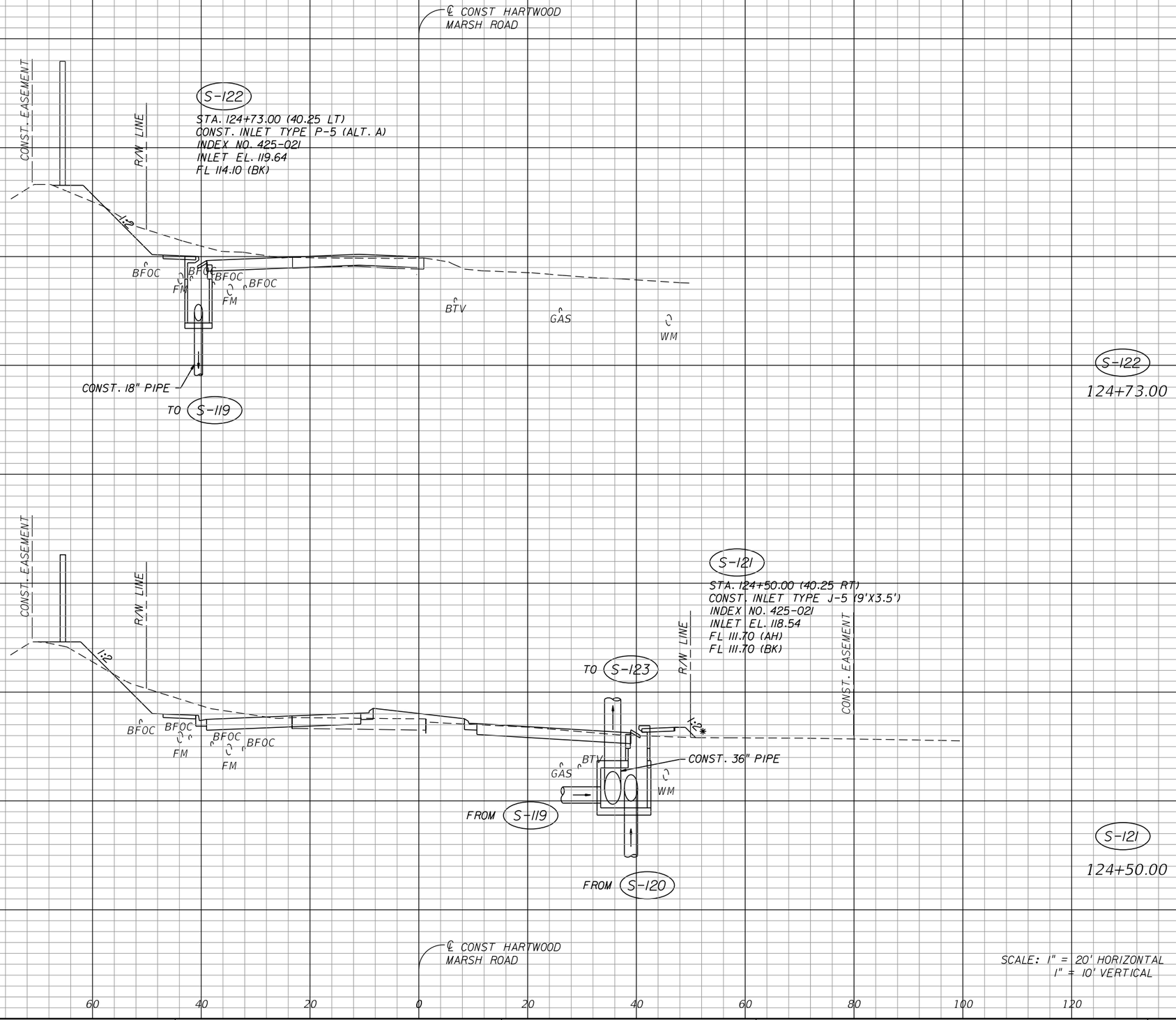
HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 73

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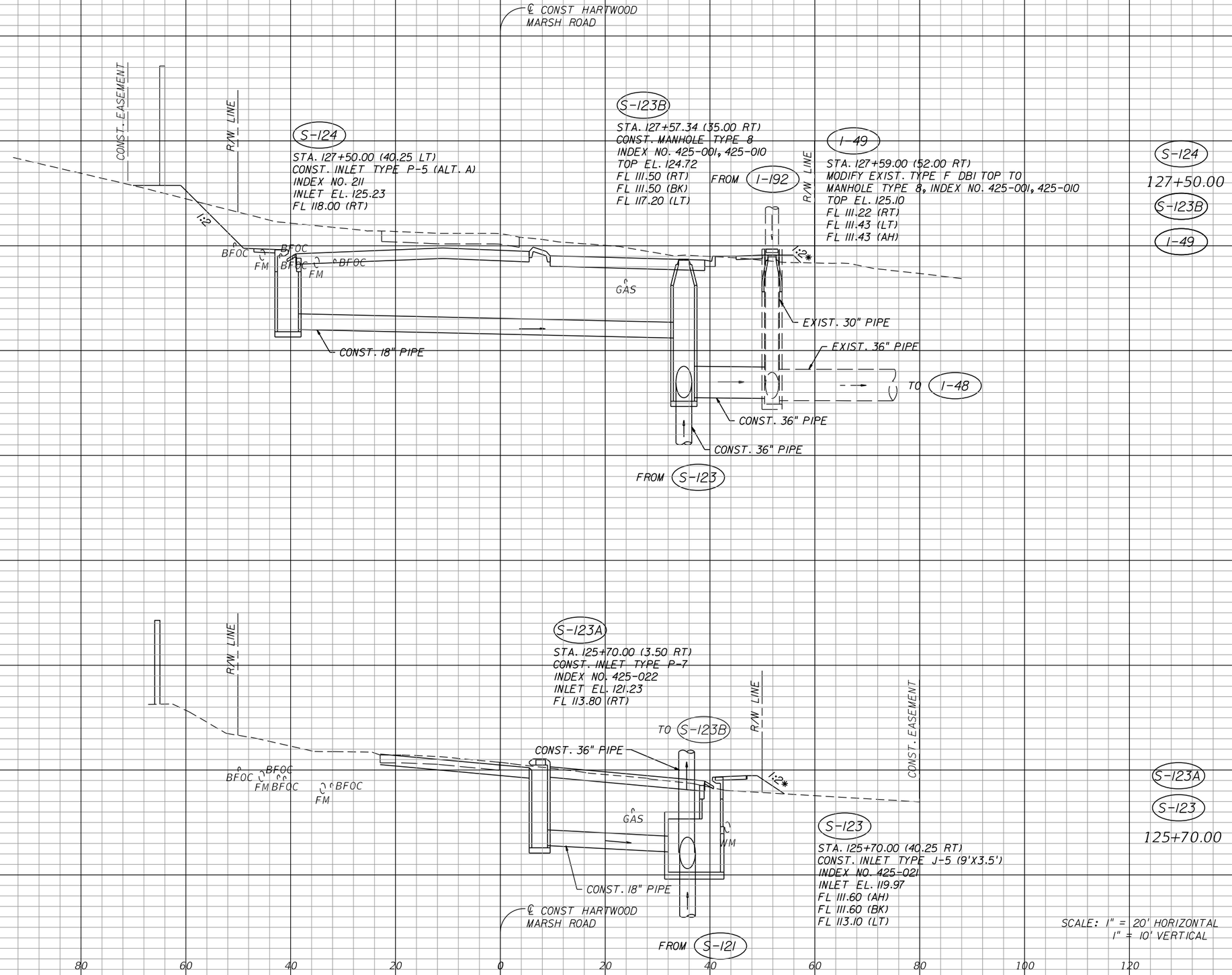
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HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 74

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ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: DAVID RETLAW BORYS, P.E.
P.E. LICENSE NUMBER 75372

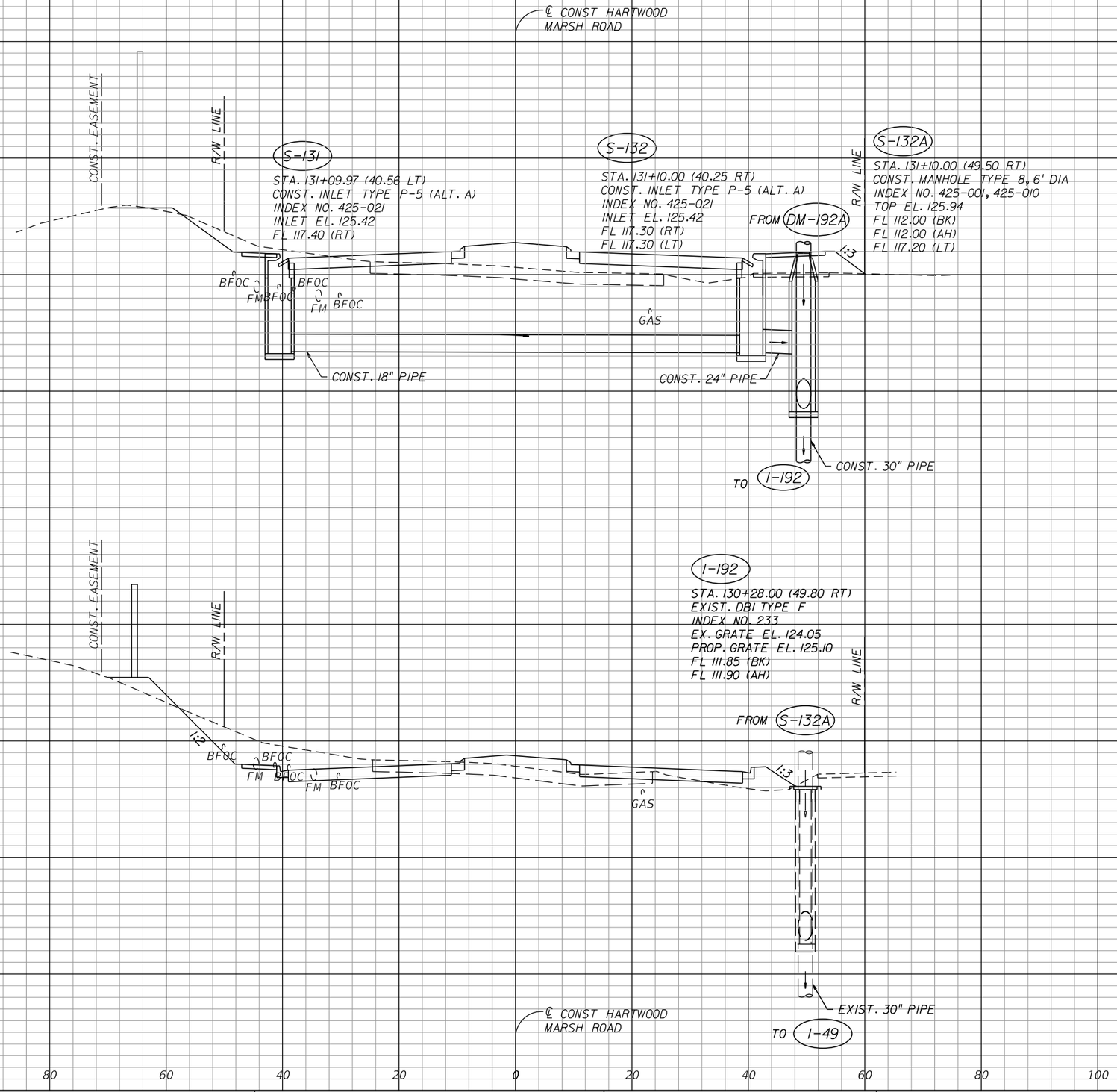
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 75

DBansal 8/5/2026 6:40:35 PM Y:\FDOT2010_PROJ\41561100001\drainage\DRXSRD00.dgn



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OM ENGINEERING SERVICES, INC.
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ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
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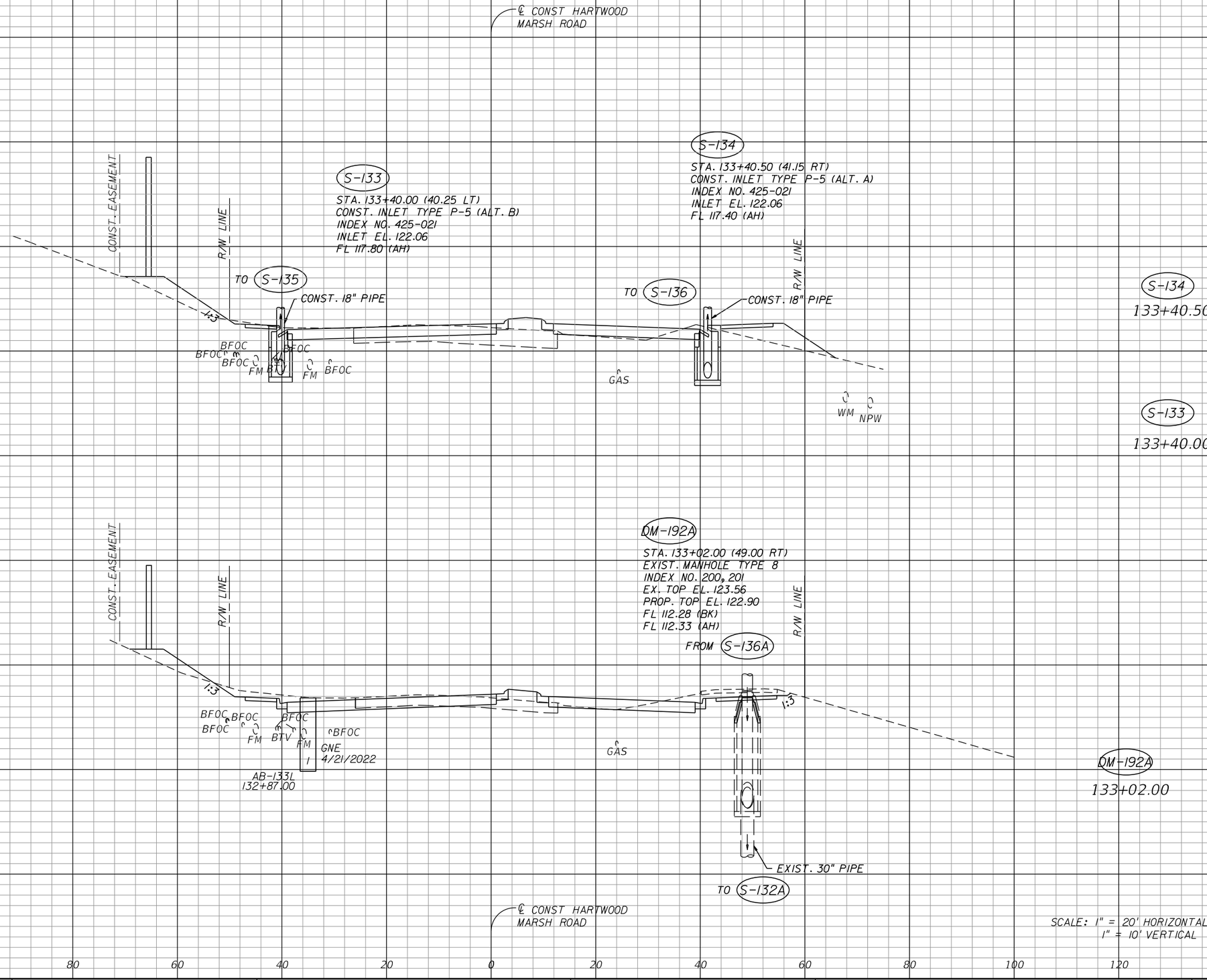
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 76

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LAKE COUNTY, FL
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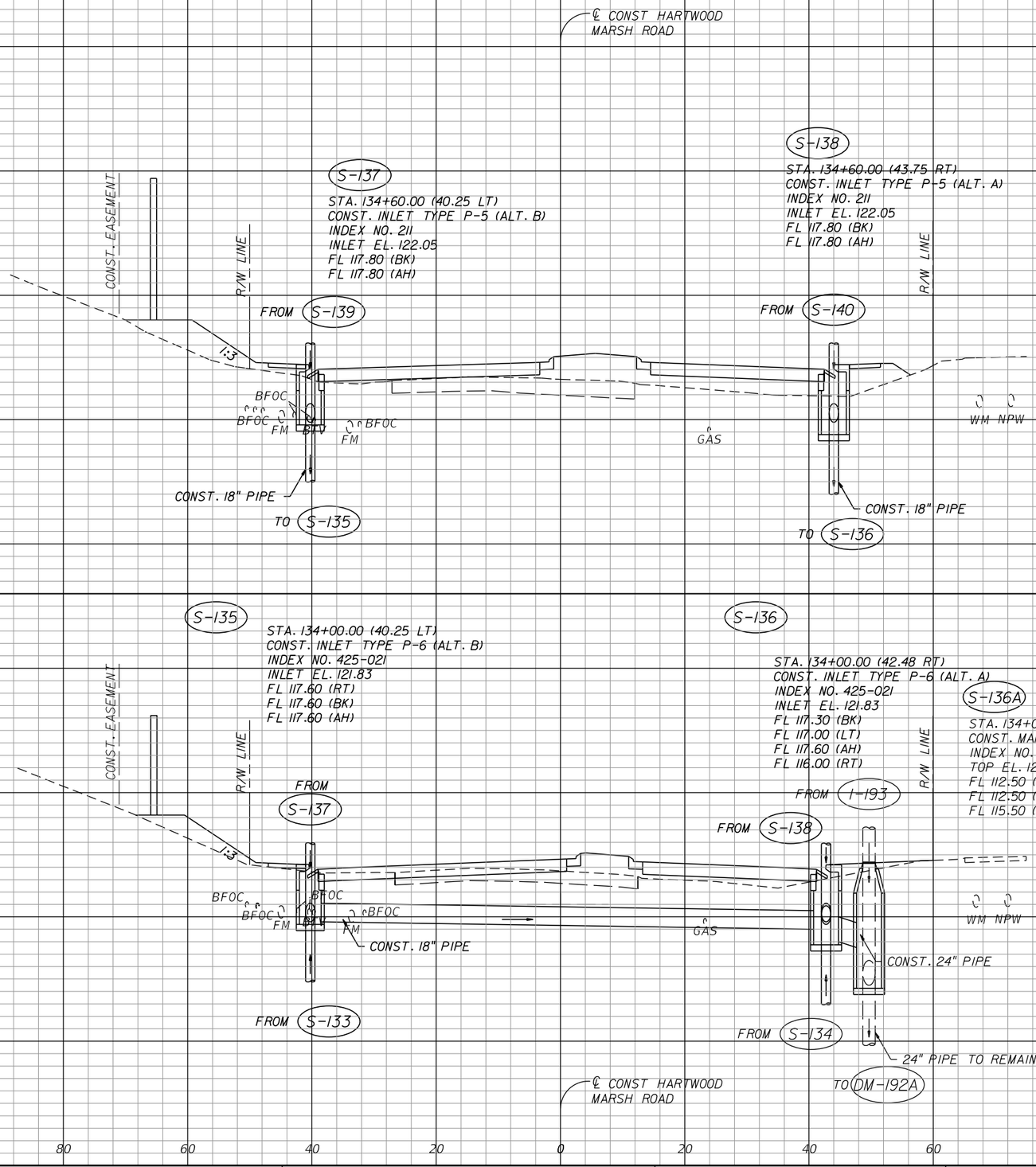
HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 77

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S-138
S-137
134+60.00

S-136A
S-136
S-135
134+00.00

SCALE: 1" = 20' HORIZONTAL
1" = 10' VERTICAL

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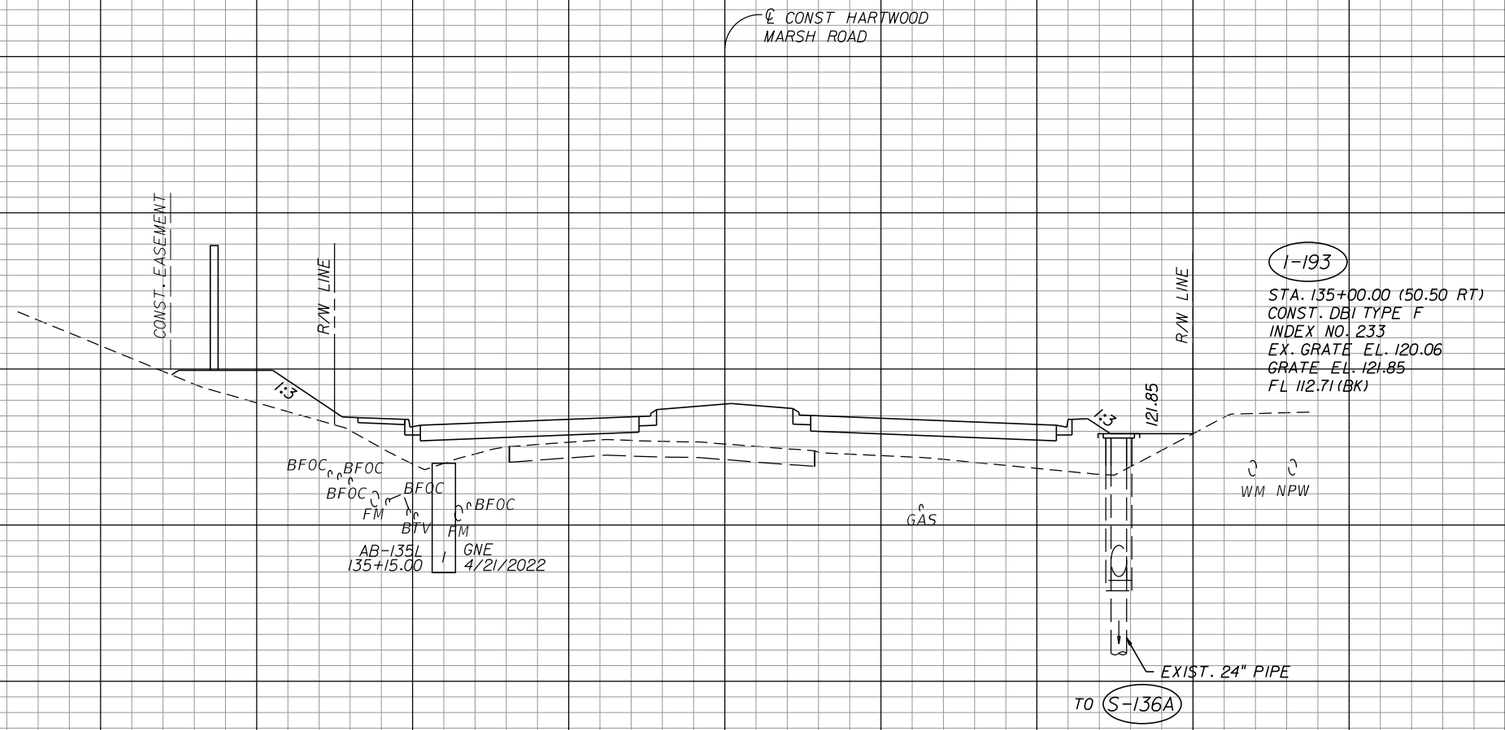
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

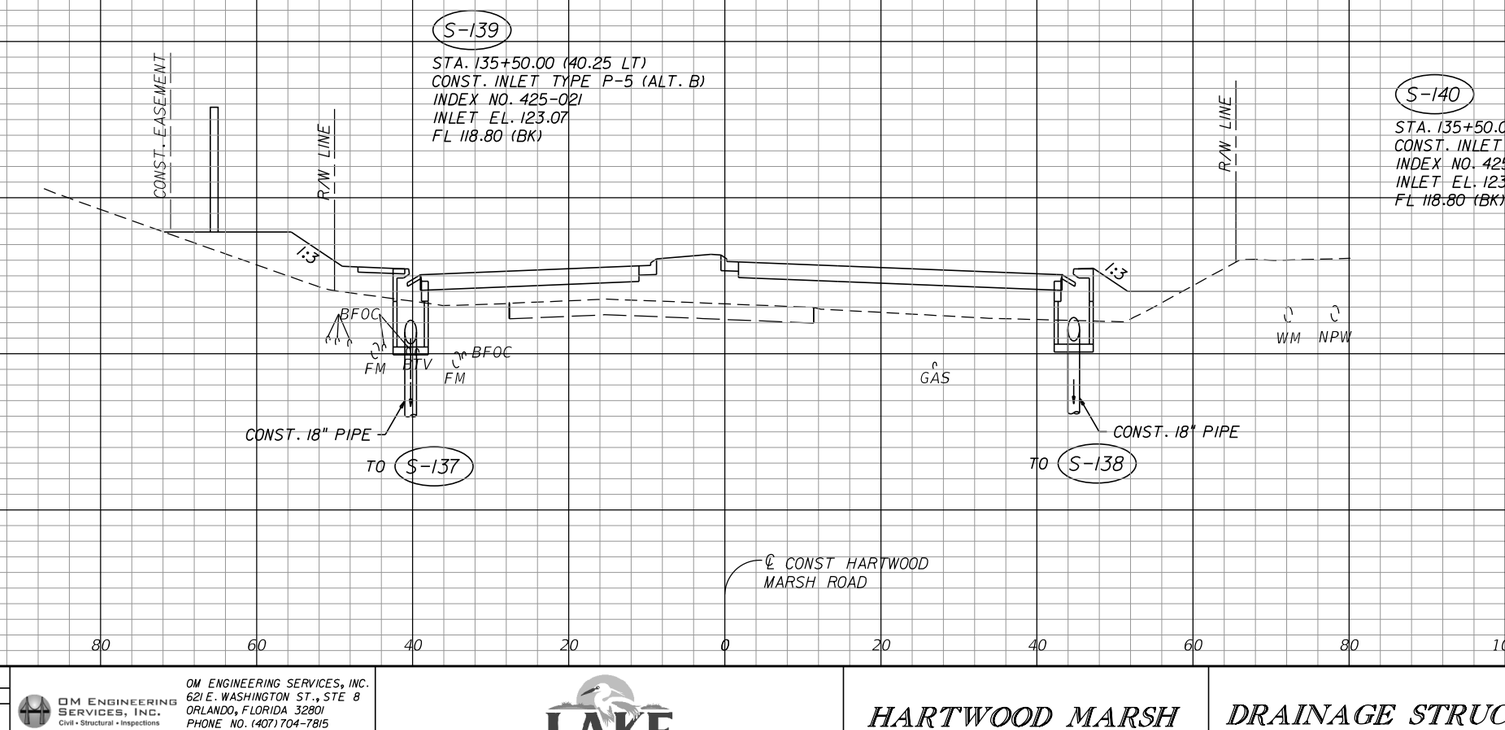
HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 78

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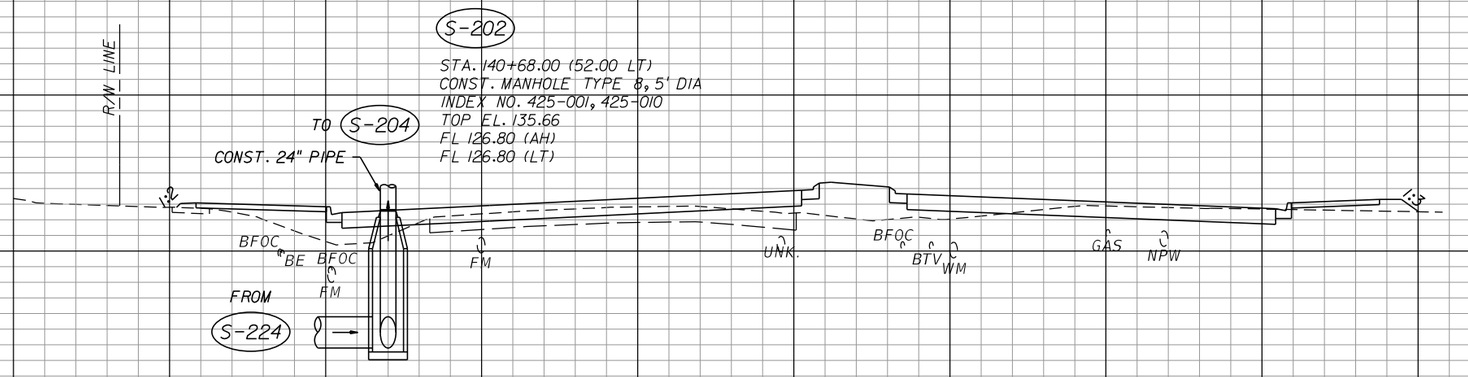
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS
HARTWOOD MARSH ROAD

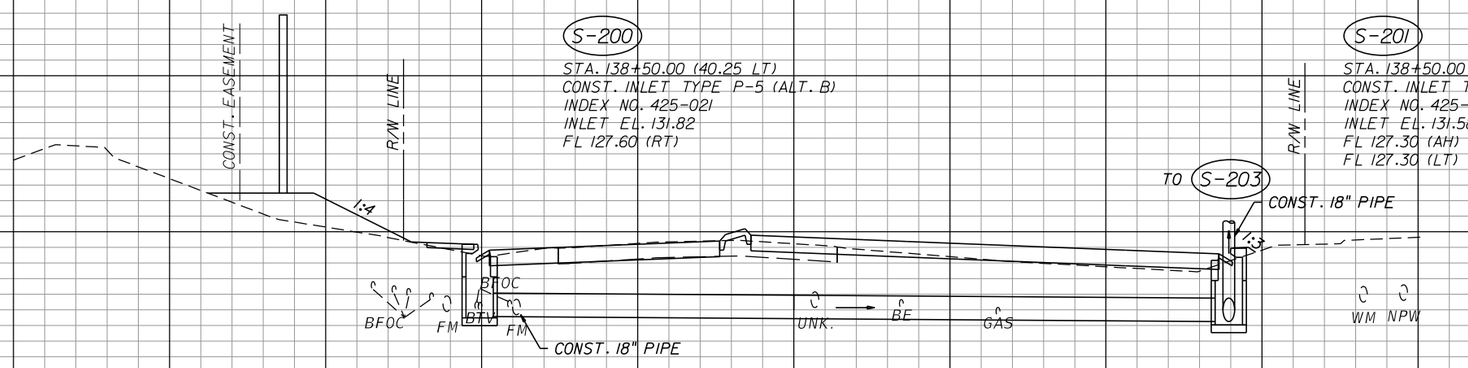
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S-202

140+68.00



S-201

S-200

138+50.00

℄ CONST HARTWOOD
MARSH ROAD

SCALE: 1" = 20' HORIZONTAL
1" = 10' VERTICAL

160 140 120 100 80 60 40 20 0 20 40 60 80 100 120

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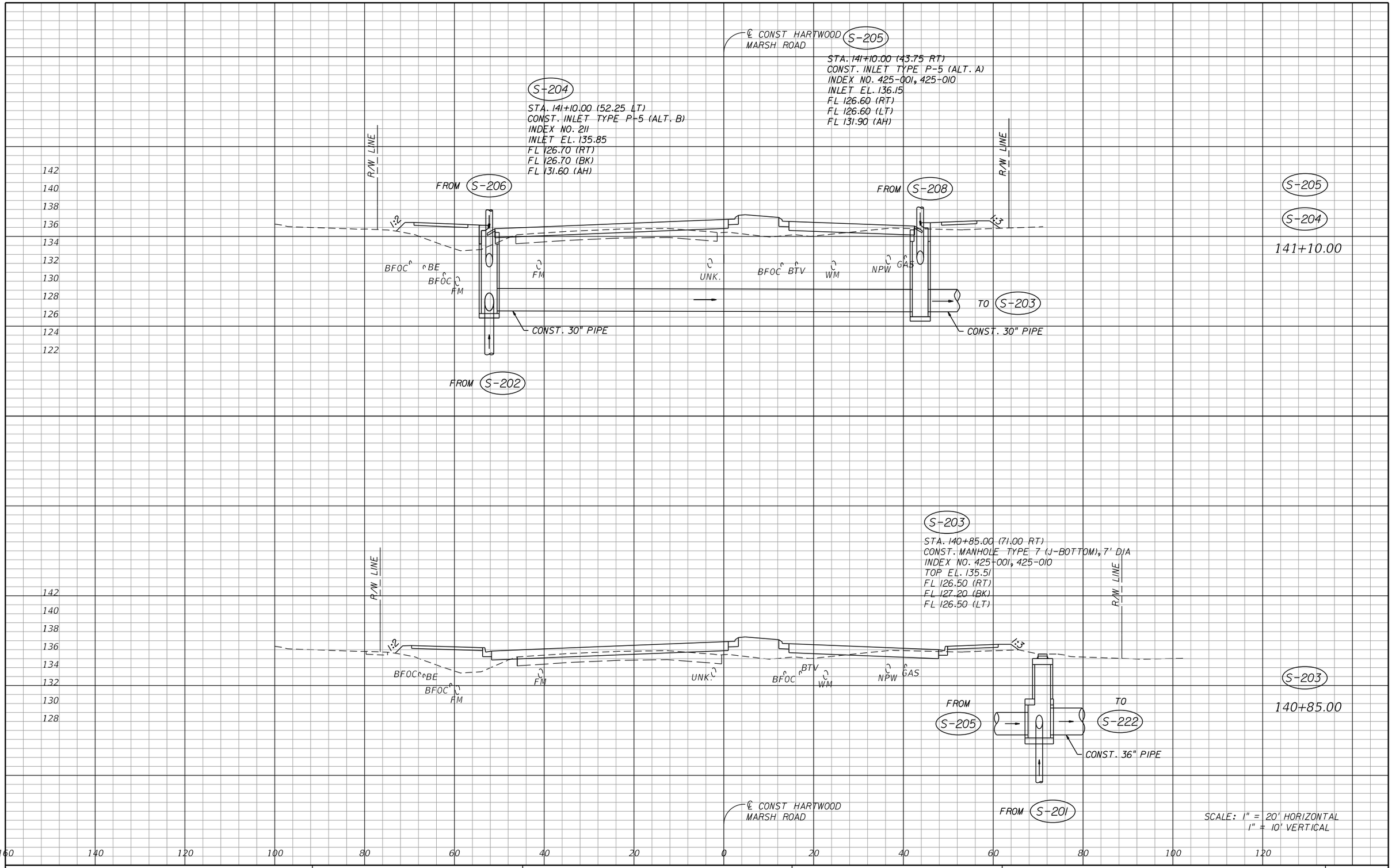
LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 80

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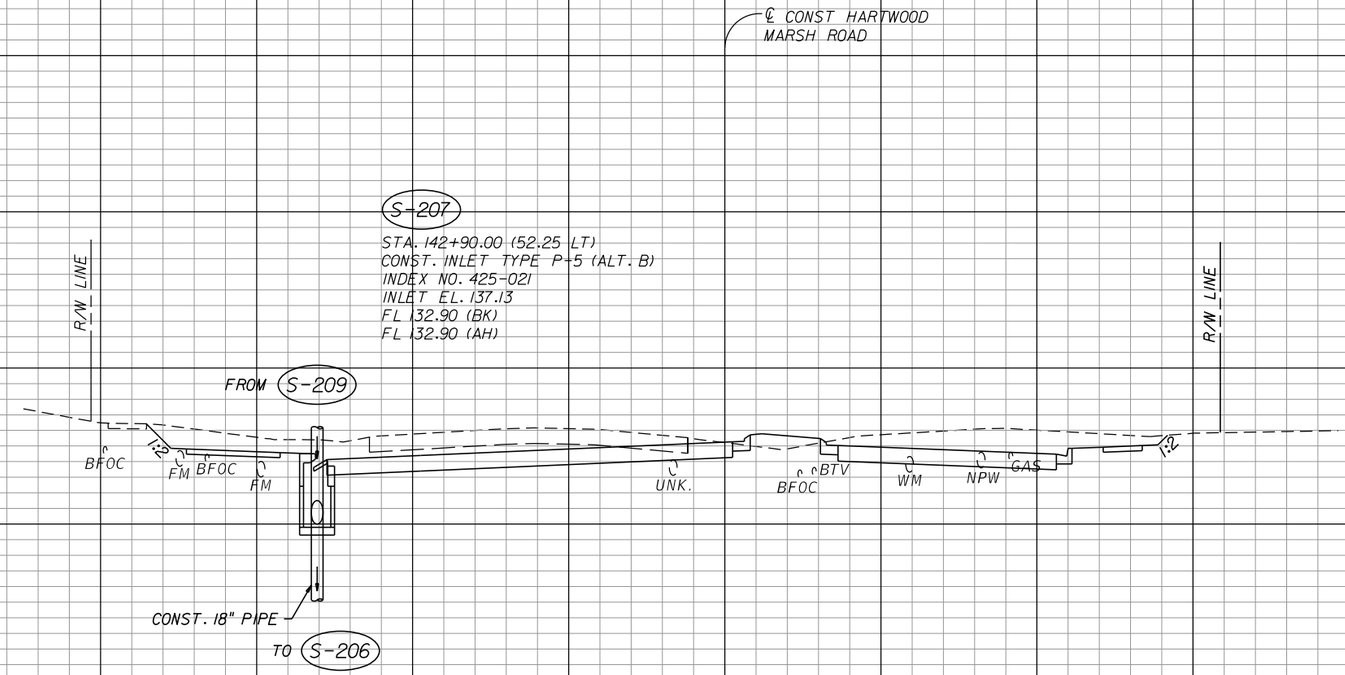
LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 81

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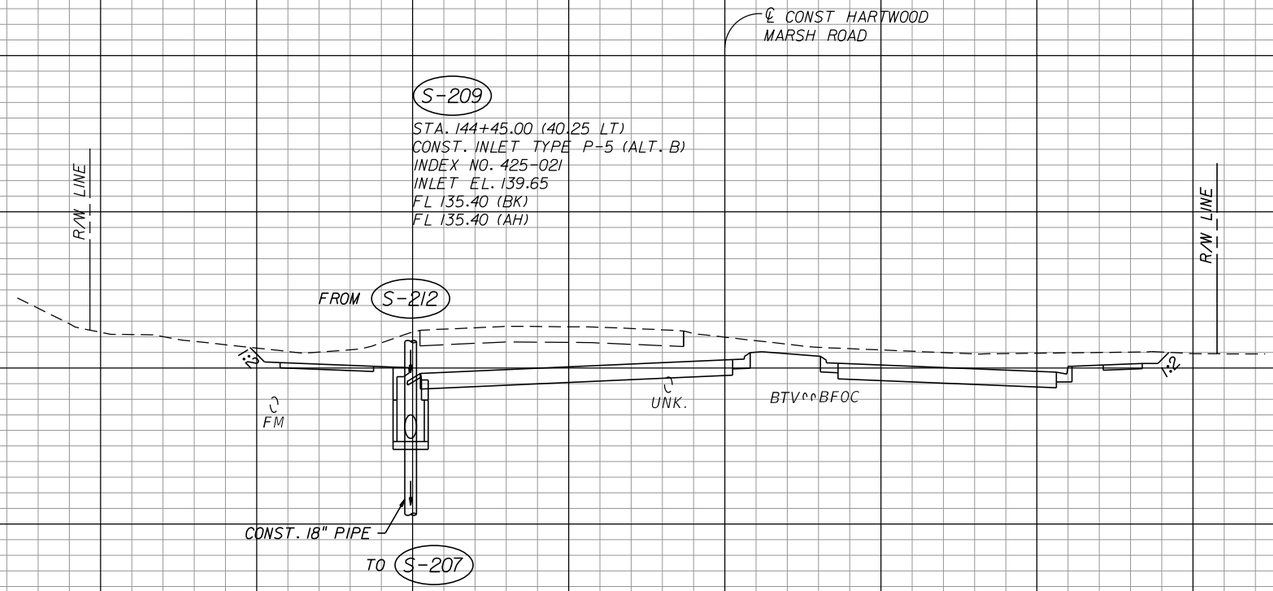
LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS
HARTWOOD MARSH ROAD

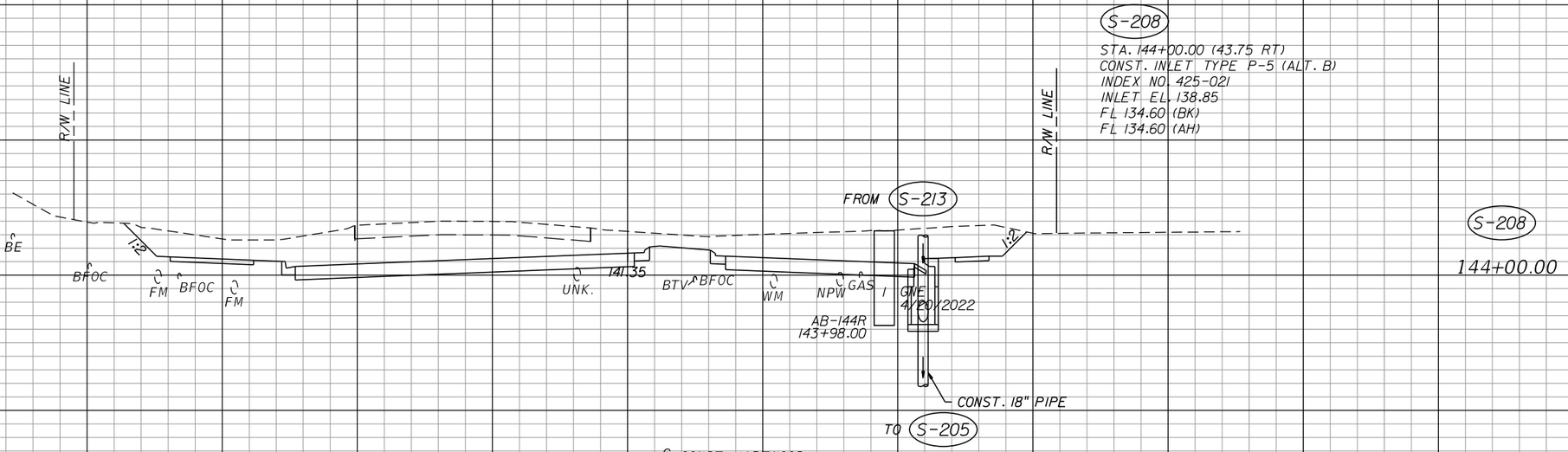
SHEET NO. 82

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S-209

144+45.00



S-208

144+00.00

SCALE: 1" = 20' HORIZONTAL
1" = 10' VERTICAL

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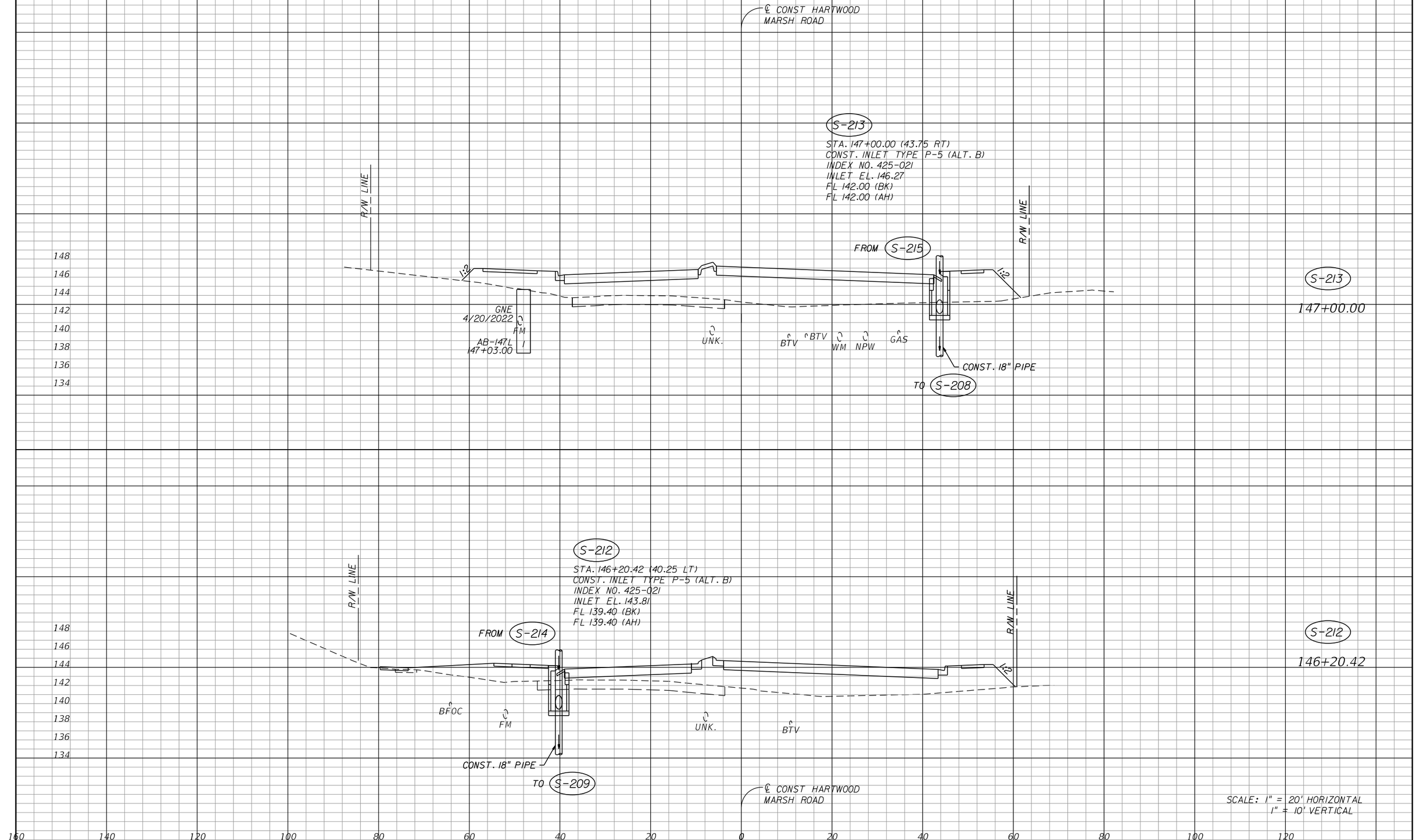
LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 83

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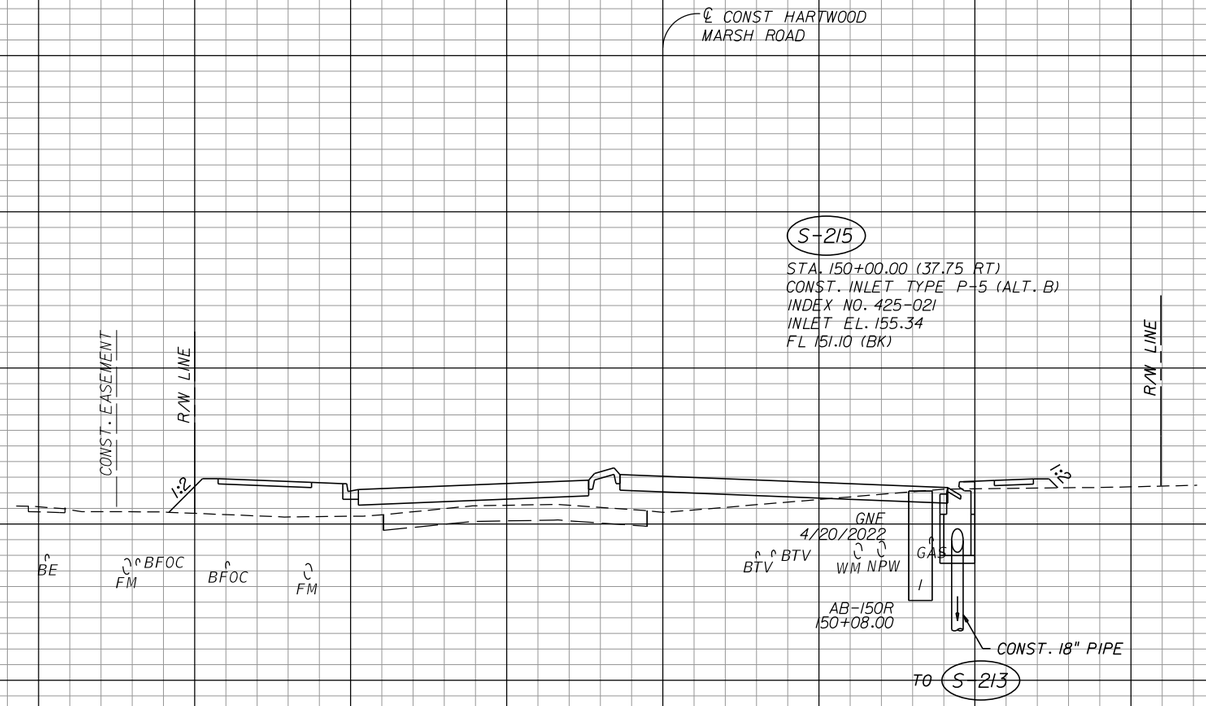
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

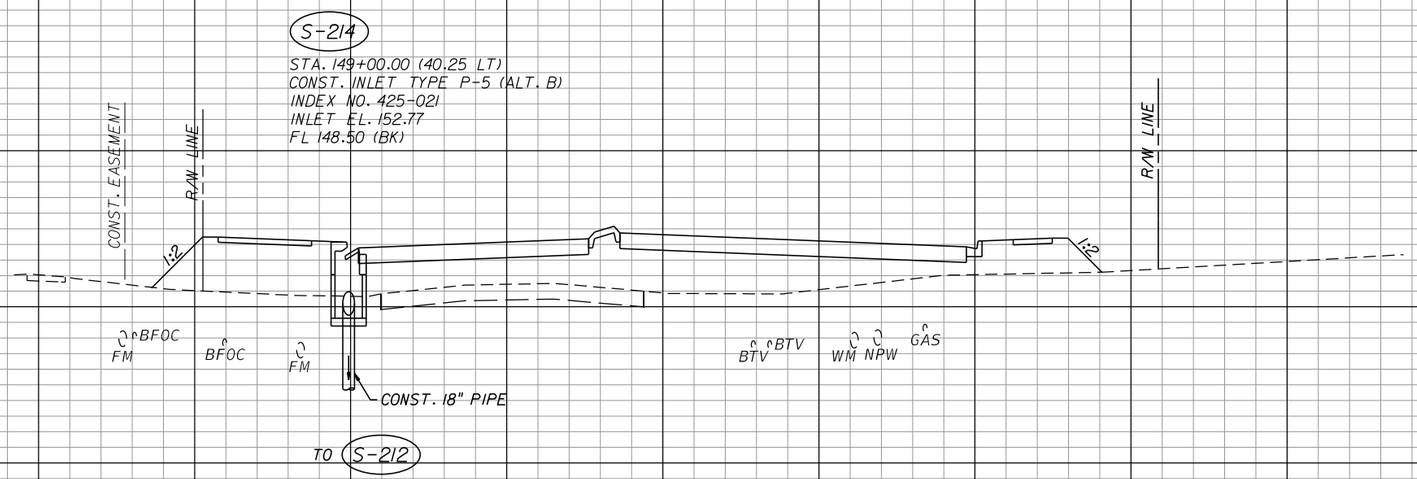
HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 84

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LAKE COUNTY, FL
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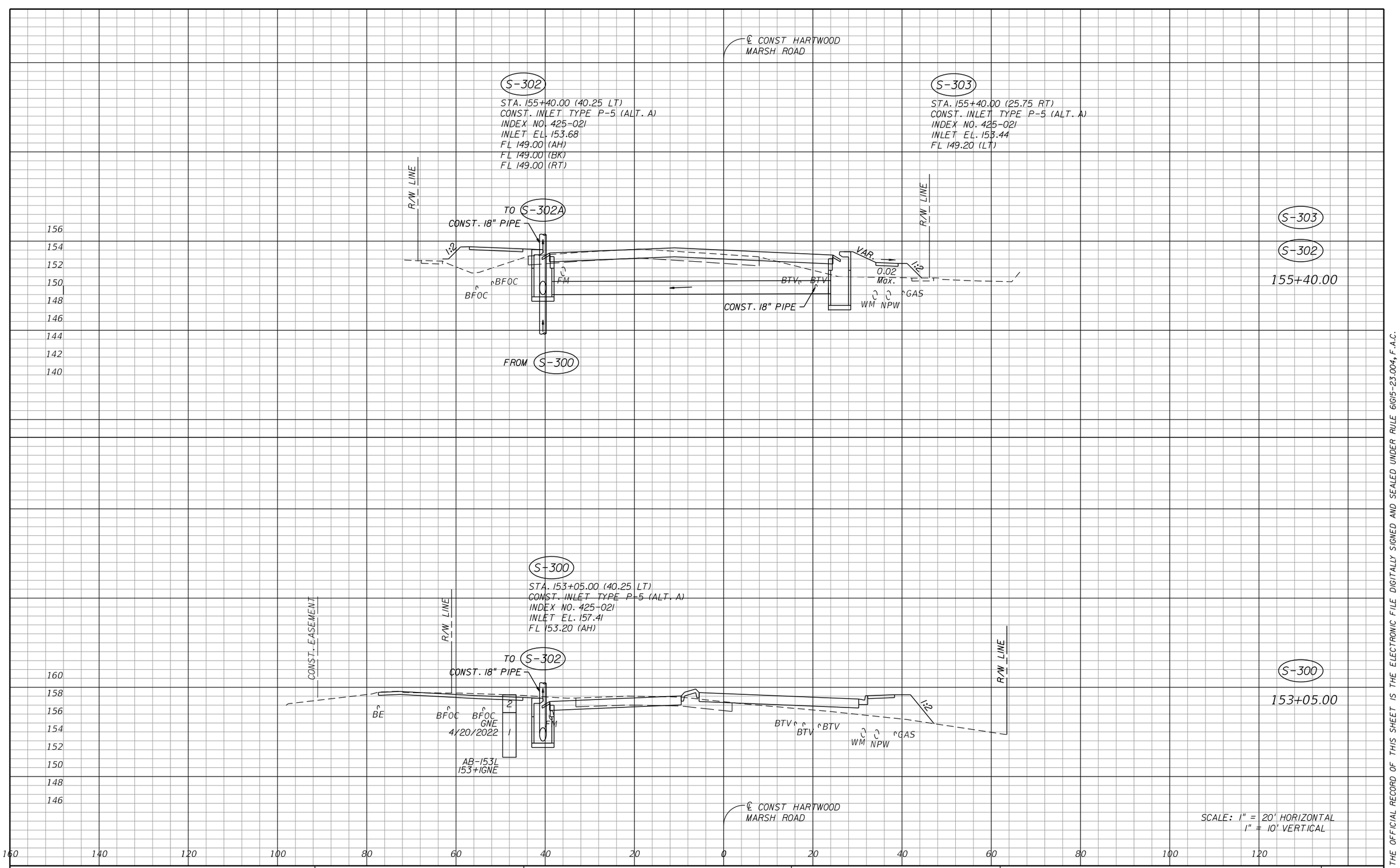
HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 85

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SCALE: 1" = 20' HORIZONTAL
1" = 10' VERTICAL

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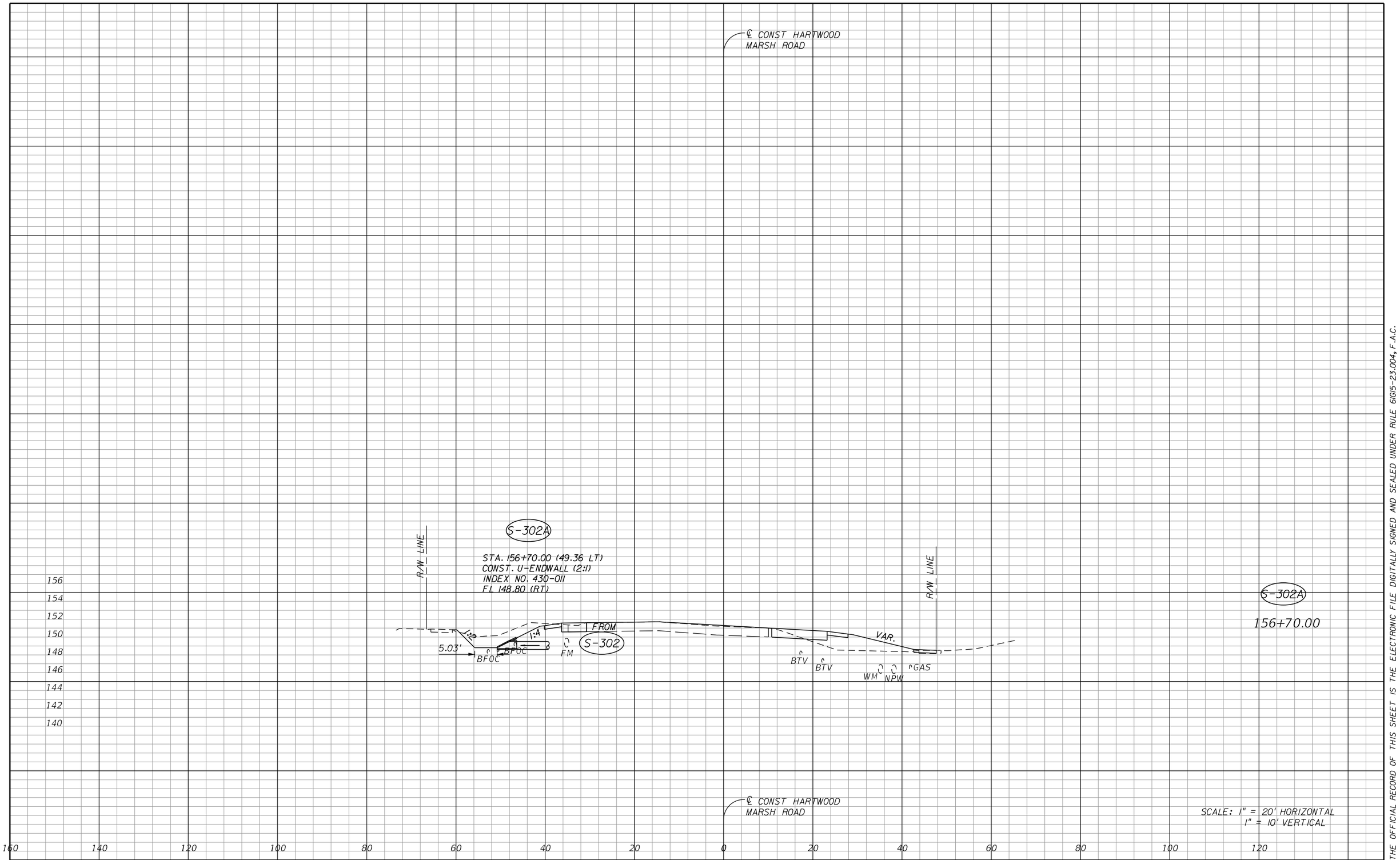
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HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 86

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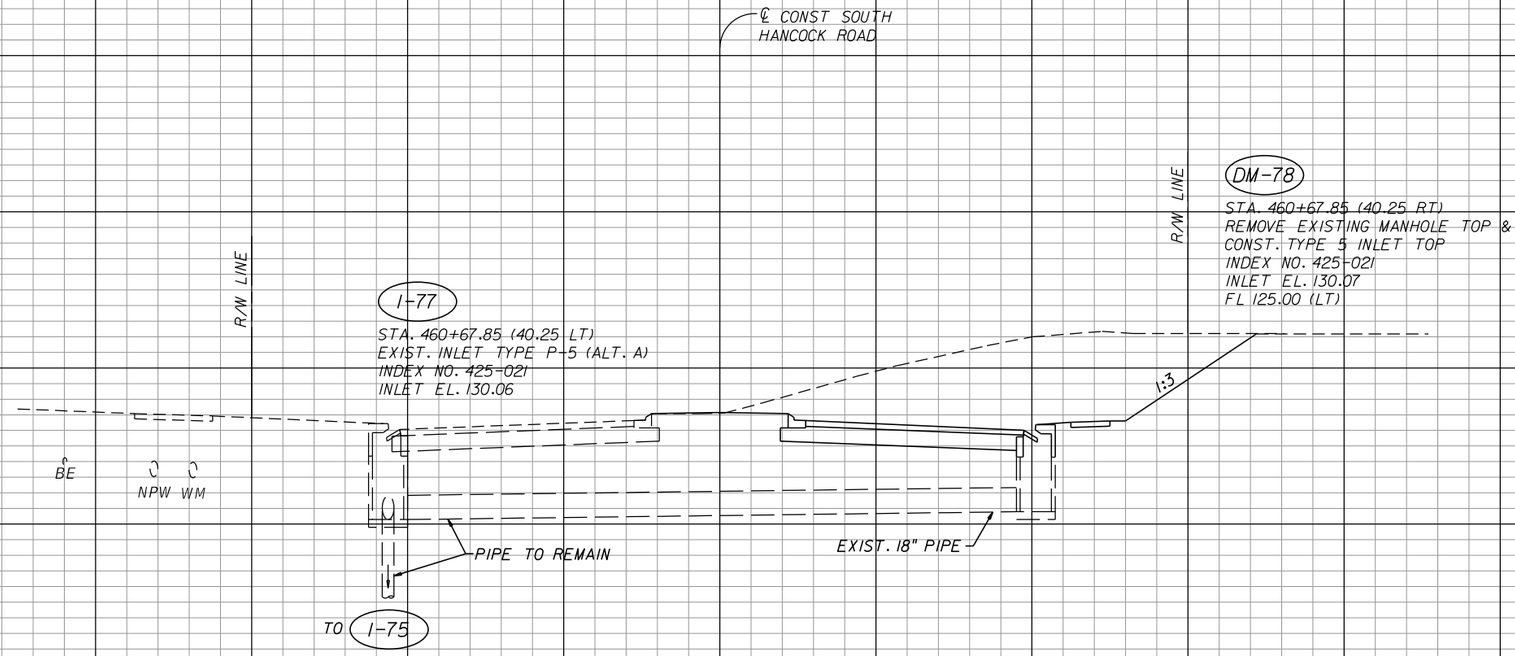
HARTWOOD MARSH ROAD - PHASE 1

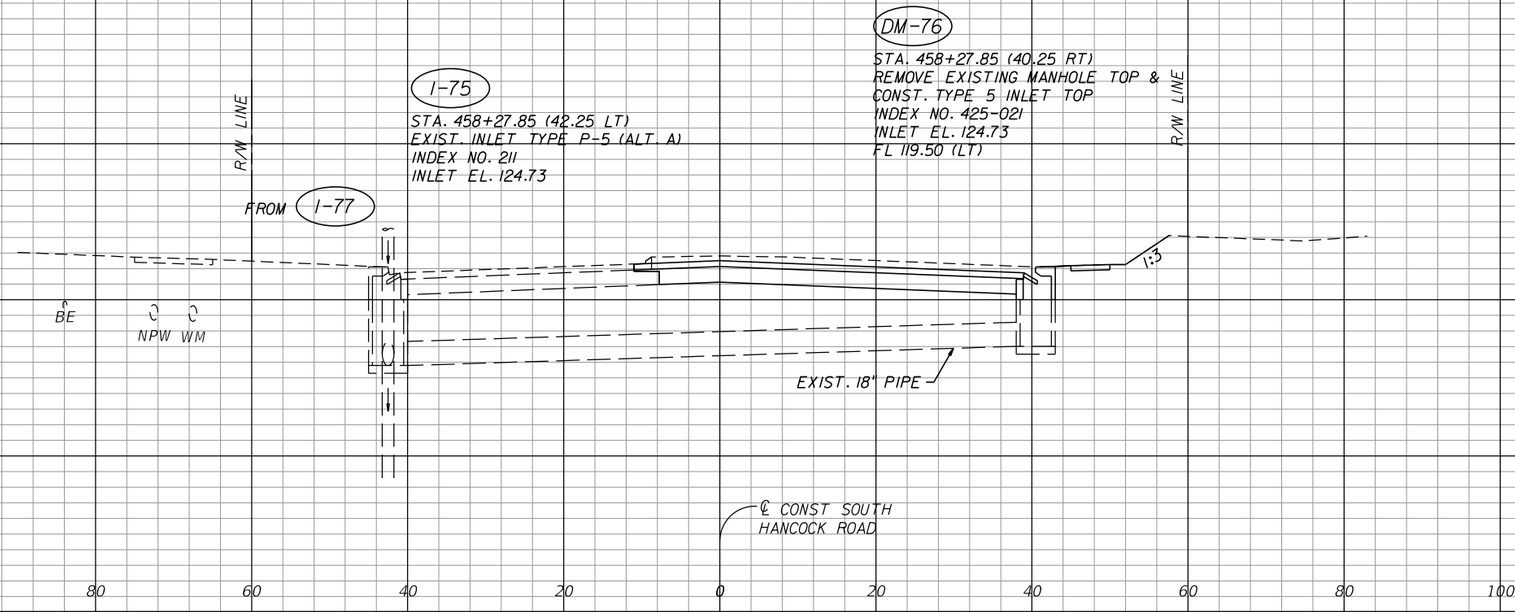
DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 87

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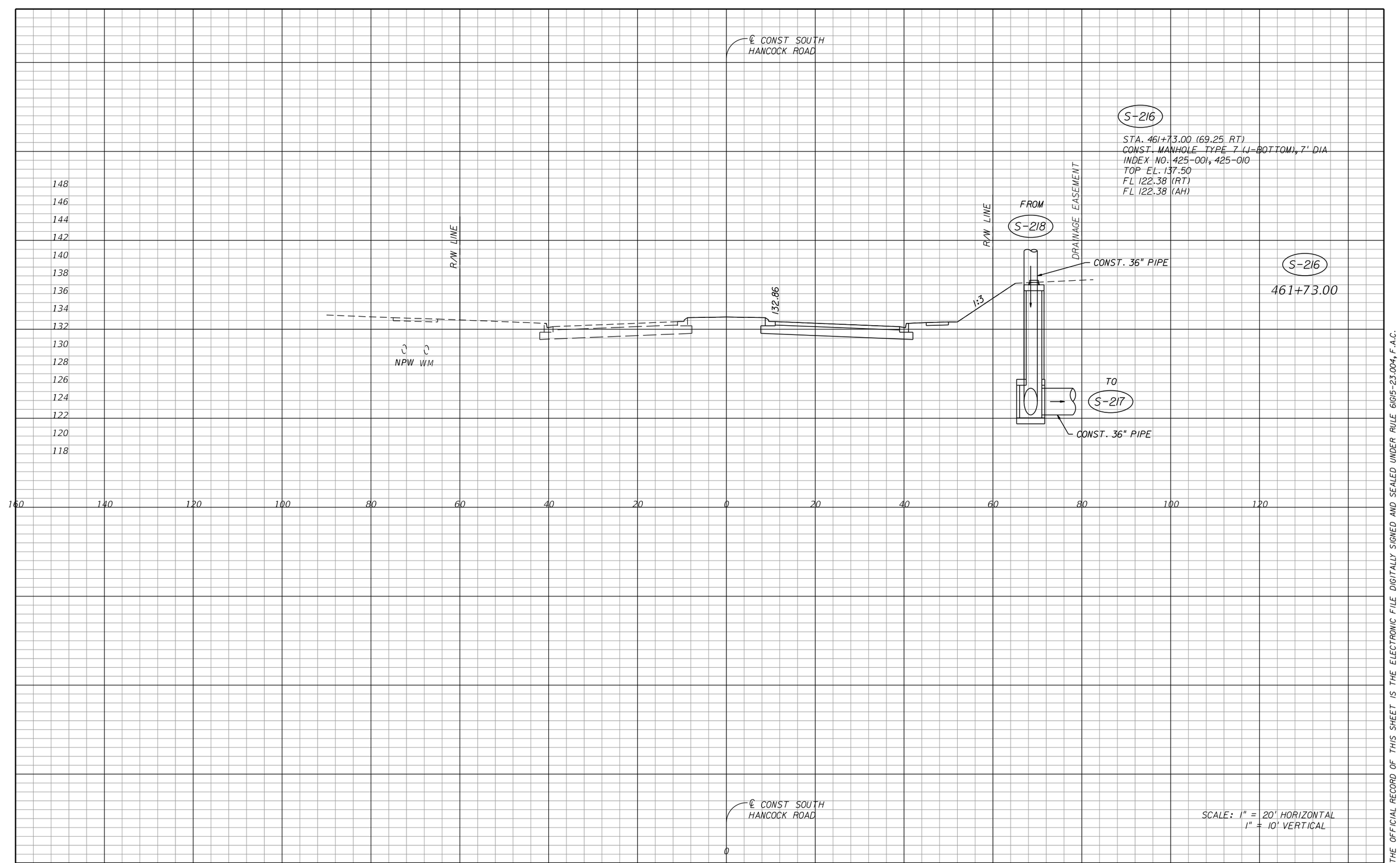
HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS SOUTH HANCOCK ROAD

SHEET NO. 88

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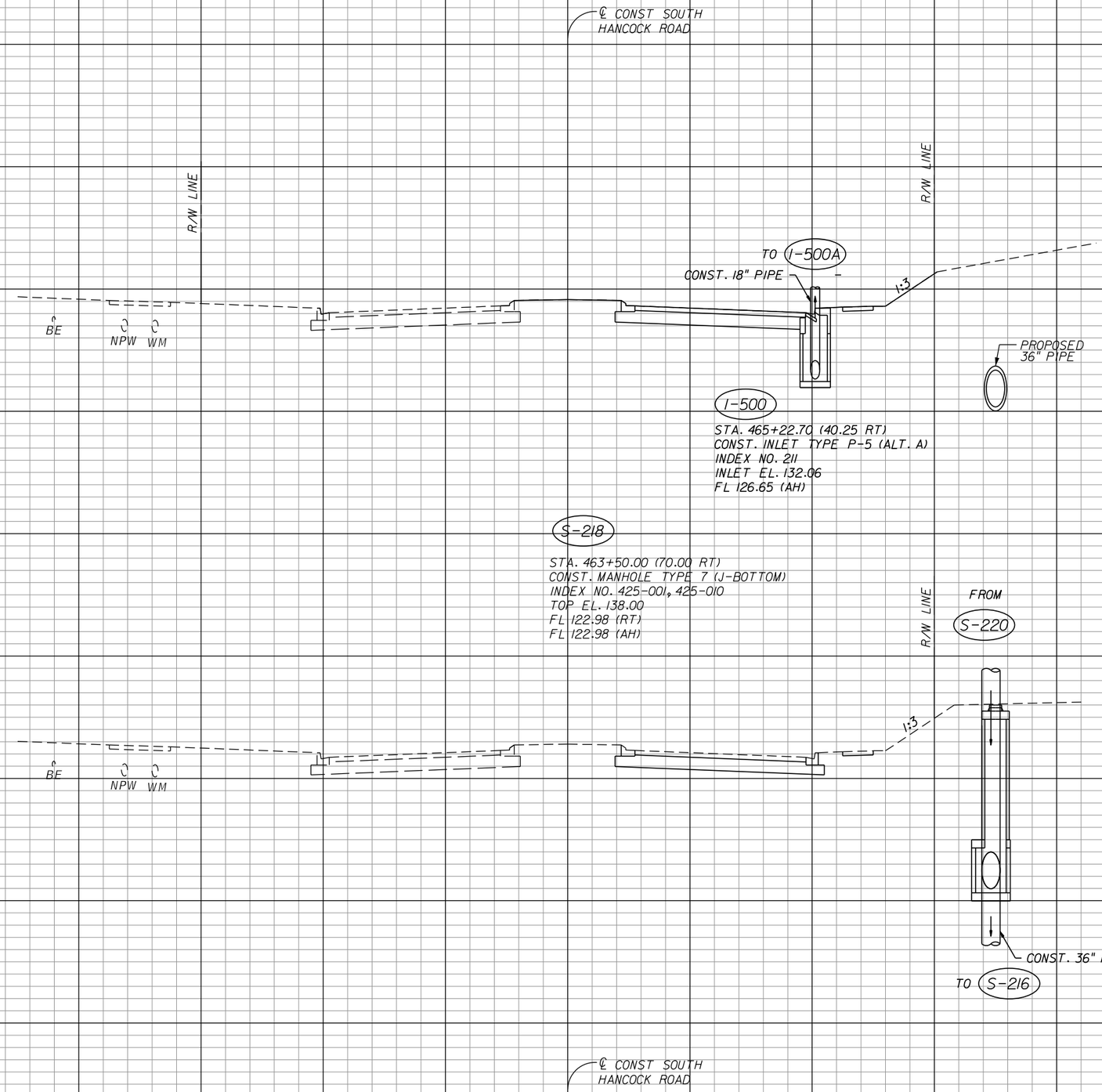
LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS SOUTH HANCOCK ROAD

SHEET NO. 89

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

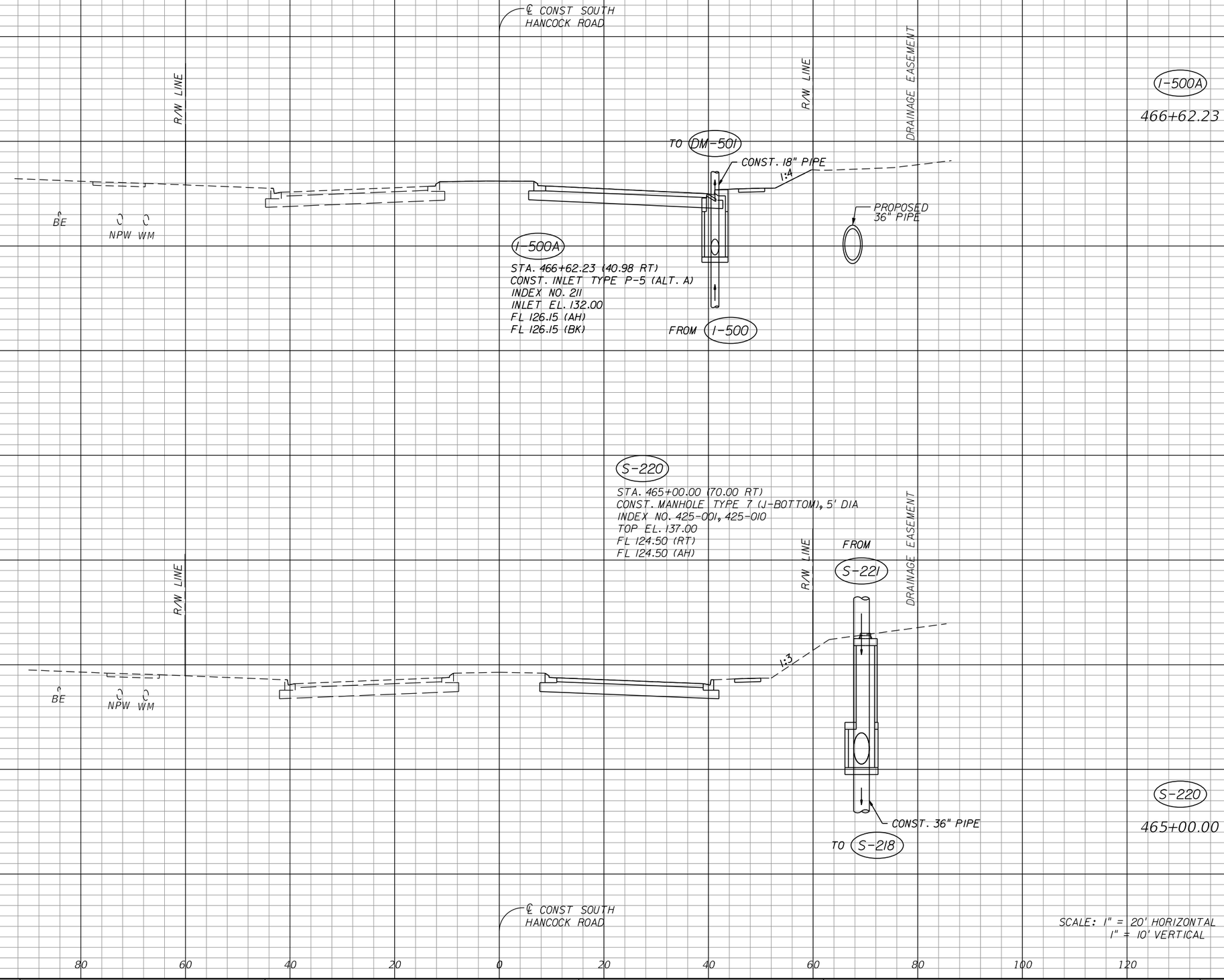
HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS SOUTH HANCOCK ROAD

SHEET NO. 90

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS SOUTH HANCOCK ROAD

SHEET NO. 91

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℄ CONST SOUTH
HANCOCK ROAD

S-221

STA. 466+95.00 (70.00 RT)
CONST. MANHOLE TYPE 7 (J-BOTTOM), 5' DIA
INDEX NO. 425-001, 425-010
TOP EL. 134.32
FL 125.08 (BK)
FL 125.08 (AH)

DM-501

STA. 466+97.78 (43.53 RT)
REMOVE EXISTING MANHOLE TOP &
CONST. TYPE 5 INLET TOP
INDEX NO. 425-021
INLET EL. 131.57
FL 126.00 (LT)

I-128

STA. 466+97.78 (42.25 LT)
EXIST. INLET TYPE P-5 (ALT. A)
INDEX NO. 425-021
INLET EL. 131.57

R/W LINE

R/W LINE

DRAINAGE EASEMENT

FROM S-222

1:4

BE

NPW

WM

CONST. 18" PIPE

FROM I-500A

CONST. 36" PIPE

TO S-220

I-128
DM-501
466+97.78

S-221
466+95.00

SCALE: 1" = 20' HORIZONTAL
1" = 10' VERTICAL

144 142 140 138 136 134 132 130 128 126 124 122 120 118 116

160 140 120 100 80 60 40 20 0 20 40 60 80 100 120

℄ CONST SOUTH
HANCOCK ROAD

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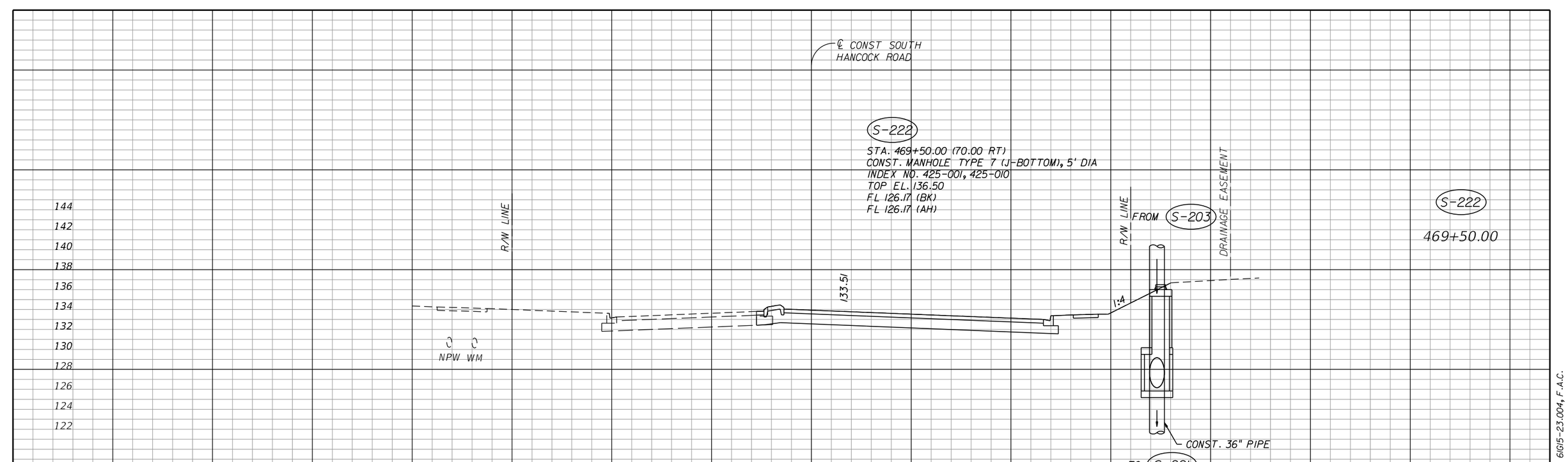
ENGINEER OF RECORD: DAVID RETLAW BORYS, P.E.
P.E. LICENSE NUMBER 75372

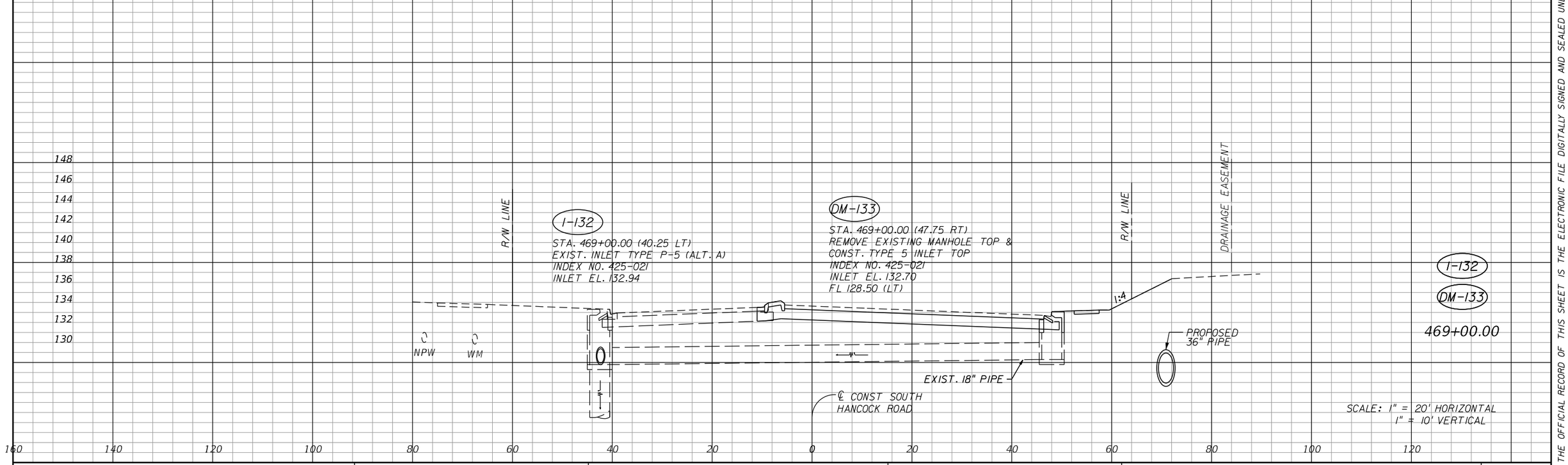
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS
SOUTH HANCOCK ROAD

SHEET NO. 92





REVISIONS		
DATE	BY	DESCRIPTION

OM Engineering Services, Inc.
Civil • Structural • Inspections
OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816
ENGINEER OF RECORD: DAVID RETLAW BORYS, P.E.
P.E. LICENSE NUMBER 75372

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS SOUTH HANCOCK ROAD

SHEET NO. 93

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℄ CONST SOUTH
HANCOCK ROAD

S-224
STA. 473+28.00 (31.75 RT)
CONST. INLET TYPE P-6 (ALT. A)
INDEX NO. 425-021
INLET EL. 134.59
FL 126.90 (BK)
FL 126.90 (LT)

R/W LINE

S-223
STA. 473+28.00 (30.75 LT)
CONST. INLET TYPE P-6 (ALT. A)
INDEX NO. 425-021
INLET EL. 134.59
FL 130.20 (RT)
FL 130.20 (AH)

FROM S-225

R/W LINE

144
142
140
138
136
134
132
130
128
126
124
122
120

BFOC
BE
BFOC
WM

BFOC
BE
GAS
FM

CONST. 18" PIPE

CONST. 24" PIPE

TO S-202

S-224
S-223
473+28.00

℄ CONST SOUTH
HANCOCK ROAD

SCALE: 1" = 20' HORIZONTAL
1" = 10' VERTICAL

160 140 120 100 80 60 40 20 0 20 40 60 80 100 120

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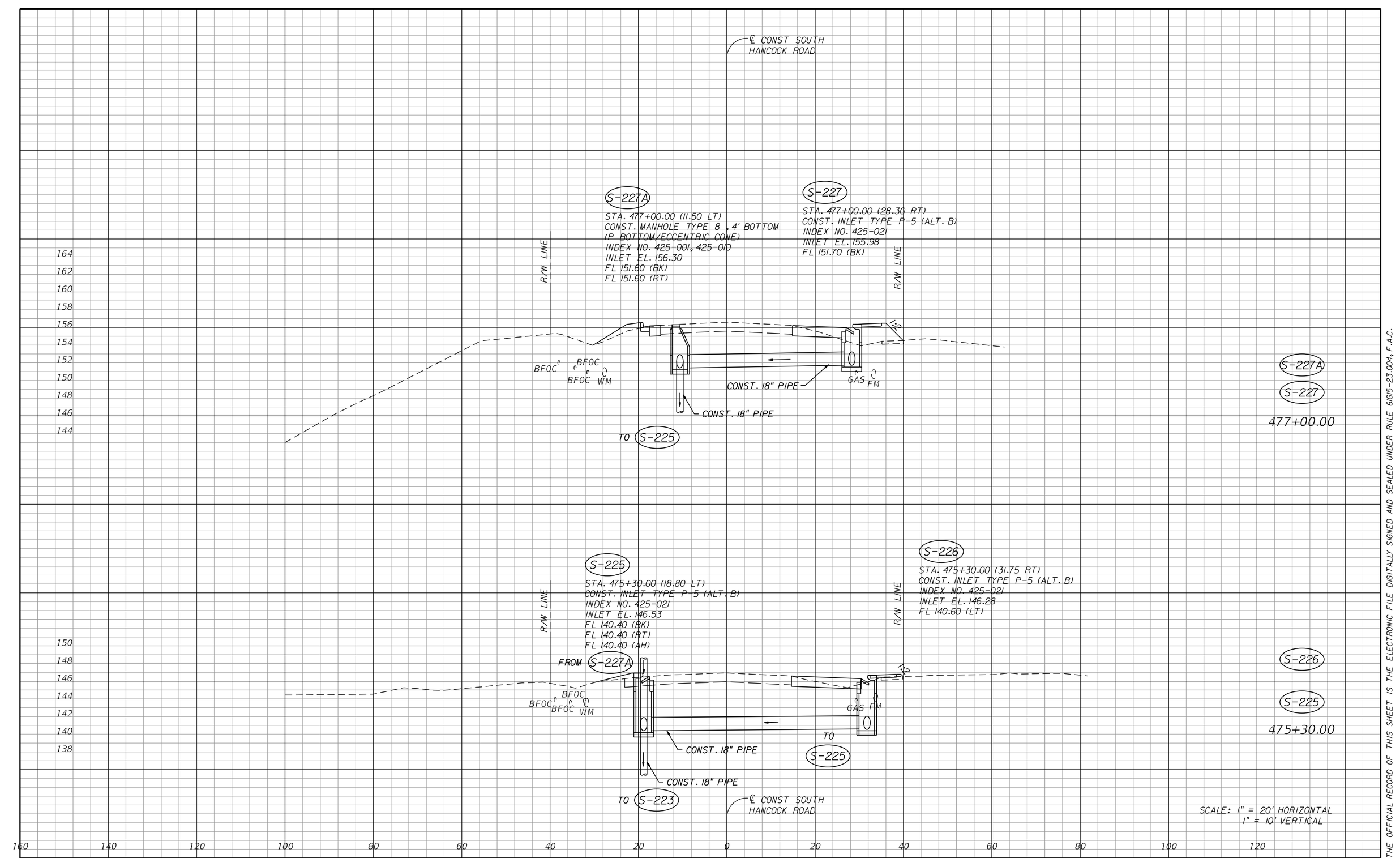
ENGINEER OF RECORD: DAVID RETLAW BORYS, P.E.
P.E. LICENSE NUMBER 75372

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS SOUTH HANCOCK ROAD

SHEET NO. 94



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P.E. LICENSE NUMBER 75372

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE 1

DRAINAGE STRUCTURE SECTIONS SOUTH HANCOCK ROAD

SHEET NO. 95

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UNNAMED POND/
WETLAND AREA

UNNAMED POND/
WETLAND AREA

EXISTING EMERGENCY SPILLWAY
NO PROPOSED MODIFICATIONS

EXISTING 10FT WIDE
MAINTANENCE BERM/TRAIL

EXISTING TRUNK LINE TO CONVEY
PROPOSED HARTWOOD MARSH ROAD
ROADWAY RUNOFF
NO PROPOSED
MODIFICATIONS

℄ CONST HARTWOOD
MARSH ROAD

N
0 20 100
Feet

UNNAMED POND/
WETLAND AREA

MATCHLINE STA. 48+00.00 (SEE POND DETAIL SHEET POND 2)

EXISTING POND 1
(NORTH POND)

EXIST. POND BOTTOM
DESIGN EL. 92.00
AREA: 3.60 AC

50 55 60 66

N 0° 17' 55" E

℄ CONST POND 1& 2

EXISTING POND 1& 2
EQUALIZER PIPE

125

130

NOTES:

NO GRADING MODIFICATIONSREQUIRED FOR EXISTING PONDS
TO ACCOMODATE HARTWOOD MARSH ROAD RUNOFF.
ADDITIONAL REQUIRED STORAGE HAS ALREADY BEEN PROVIDED
BASED ON AS-BUILT POND VOLUME CALCULATIONS.

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REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: DAVID R. BORYS, P.E., CFM
P.E. LICENSE NUMBER 75372

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

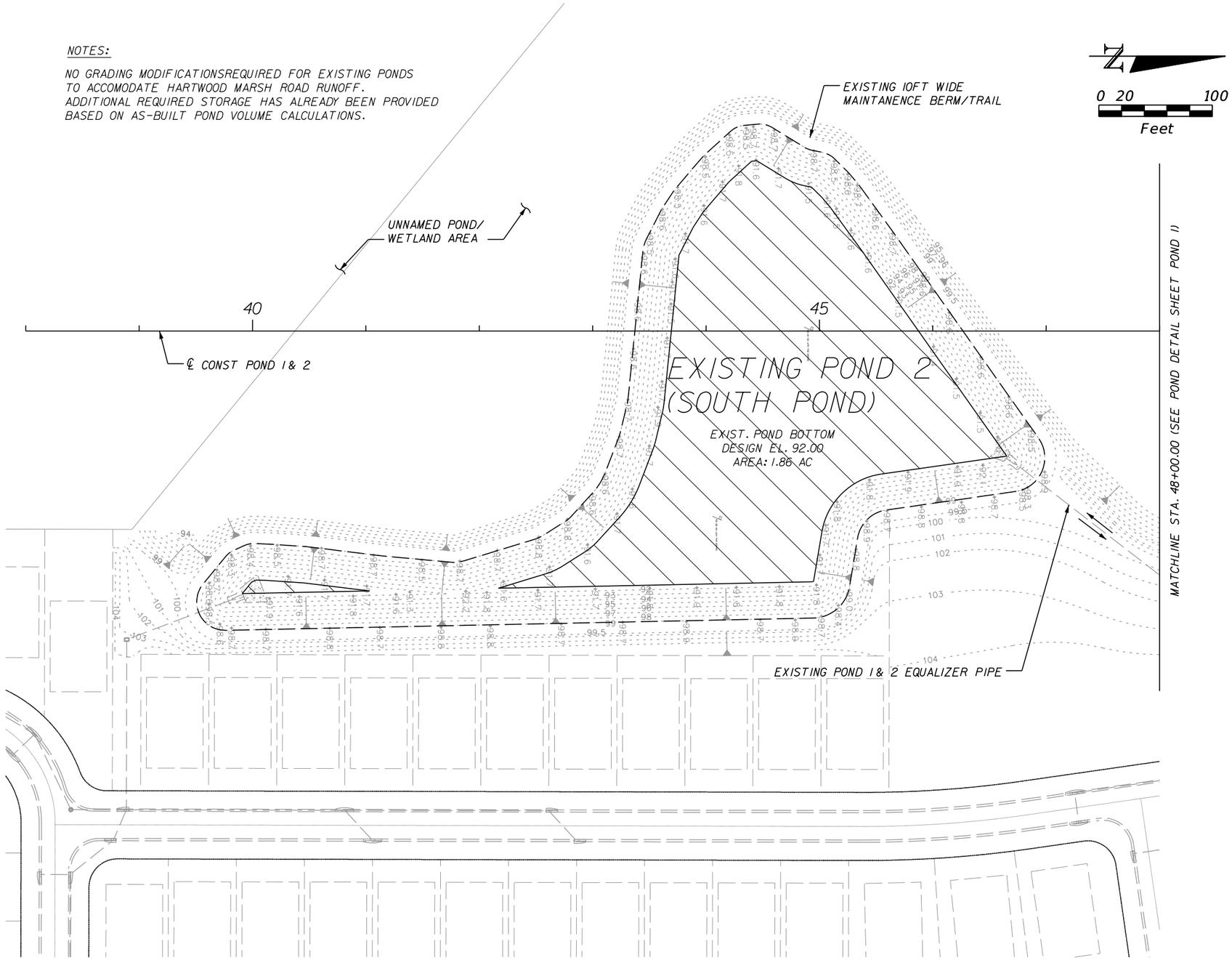
HARTWOOD MARSH
ROAD - PHASE I

POND DETAIL SHEET
POND 1

SHEET NO.
96

NOTES:

NO GRADING MODIFICATIONSREQUIRED FOR EXISTING PONDS TO ACCOMODATE HARTWOOD MARSH ROAD RUNOFF. ADDITIONAL REQUIRED STORAGE HAS ALREADY BEEN PROVIDED BASED ON AS-BUILT POND VOLUME CALCULATIONS.



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REVISIONS		
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Civil • Structural • Inspections

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PHONE NO. (407) 704-7815
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P.E. LICENSE NUMBER 75372

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

POND DETAIL SHEET
POND 2

SHEET NO.
97

NOTES:

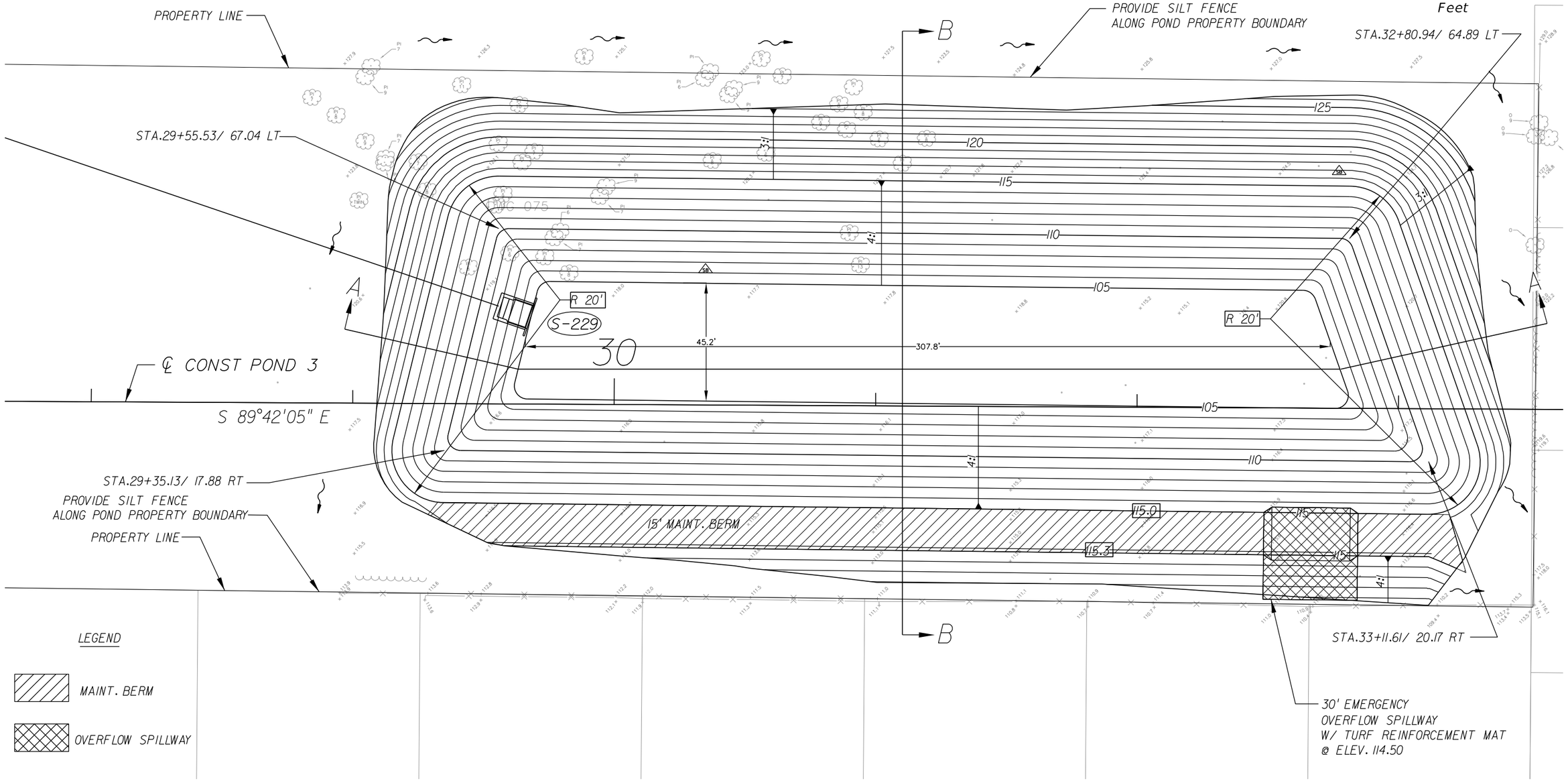
1. APPROXIMATE LOCATION OF THE SOIL BORING SB
2. NON-MUCK GROWN SOD WILL BE UTILIZED FOR STABILIZATION OF THE PROPOSED STORMWATER RETENTION FACILITY.
3. POND 3 BOUNDARY TO BE PREPARED AND PROVIDED BY SOUTHEASTERN SURVEYING AND MAPPING CORP. FOR CONSTRUCTION.

POND 3 HYDROLOGIC DATA	
POLLUTION ABATEMENT STAGE	EL. 108.20
MEAN ANNUAL HIGH WATER	EL. 107.13
10-YR DESIGN HIGH WATER	EL. 108.71
100-YR DESIGN HIGH WATER	EL. 112.84

N

0 10 40

Feet



LEGEND

MAINT. BERM

OVERFLOW SPILLWAY

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REVISIONS		
DATE	BY	DESCRIPTION

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621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
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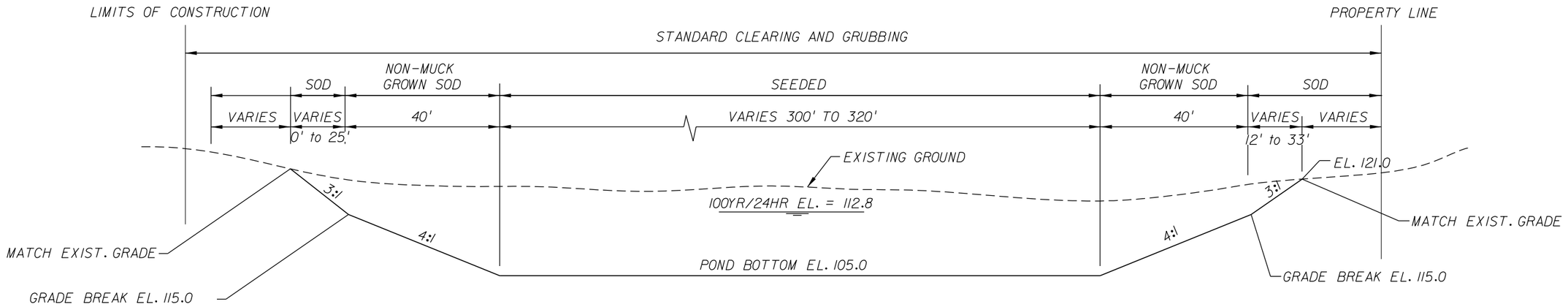
ENGINEER OF RECORD: DAVID R. BORYS, P.E., CFM
P.E. LICENSE NUMBER 75372

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

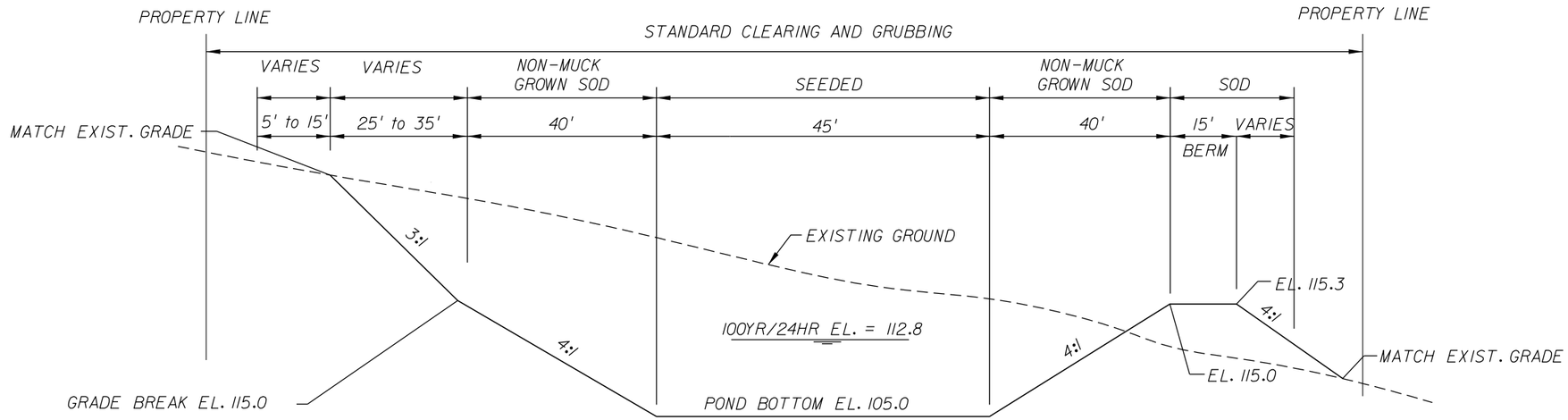
HARTWOOD MARSH ROAD - PHASE I

POND DETAIL SHEET
POND 3

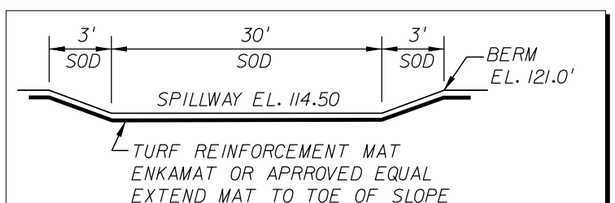
SHEET NO. 98



SECTION A-A
NTS



SECTION B-B
NTS



EMERGENCY OVERFLOW SPILLWAY DETAIL
NTS

NOTES:

1. AVERAGE ESTIMATED SEASONAL HIGH GROUNDWATER TABLE ▽

2. NON-MUCK GROWN SOD WILL BE UTILIZED FOR STABILIZATION OF THE PROPOSED STORMWATER RETENTION FACILITY.

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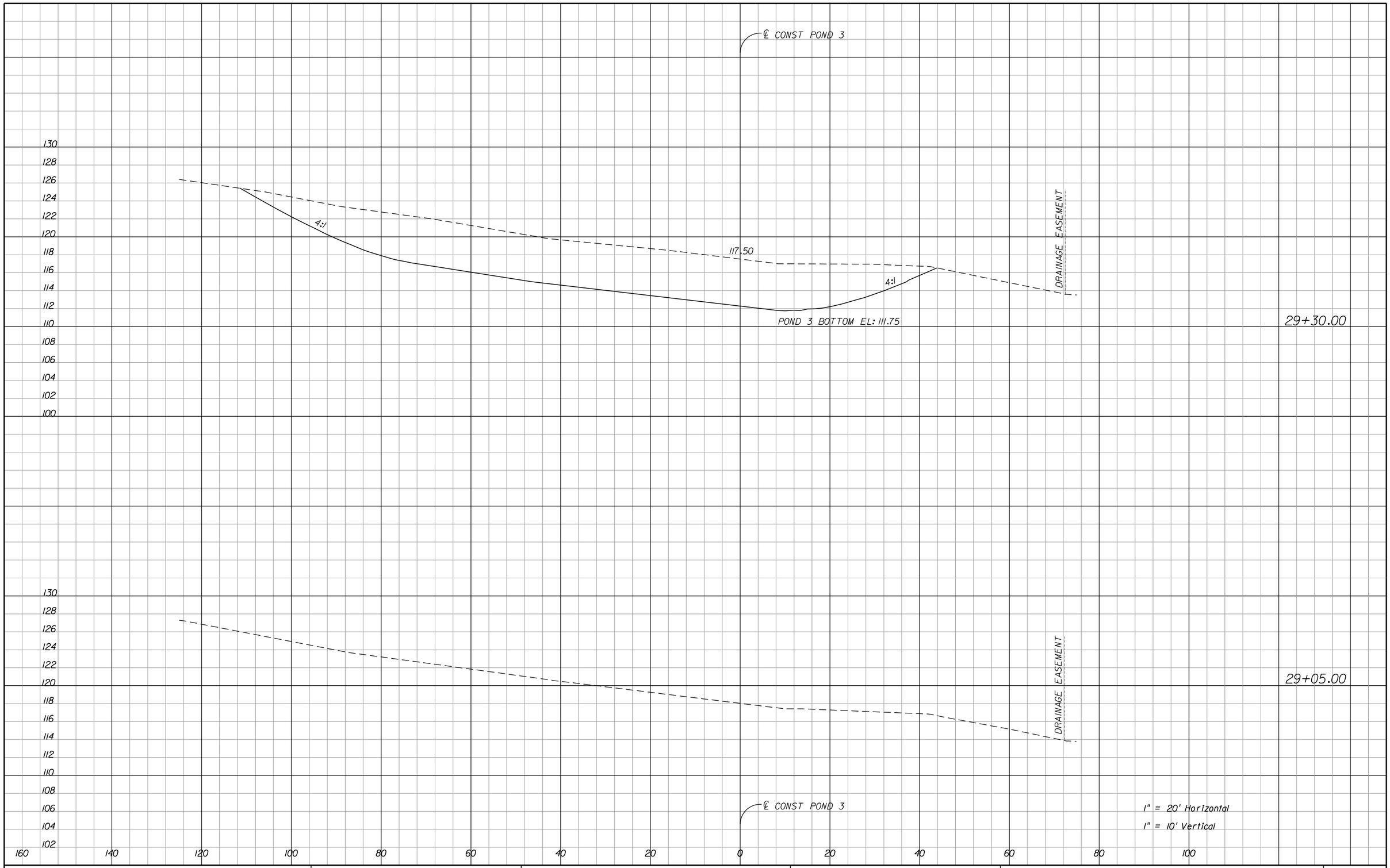
ENGINEER OF RECORD: DAVID R. BORYS, P.E., CFM
P.E. LICENSE NUMBER 75372

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

POND DETAIL TYPICALS
POND 3

SHEET NO.
99



REVISIONS		
DATE	BY	DESCRIPTION

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FAX: (407) 704-7816

ENGINEER OF RECORD: DAVID RETLAW BORYS, P.E.
P.E. LICENSE NUMBER 75372

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

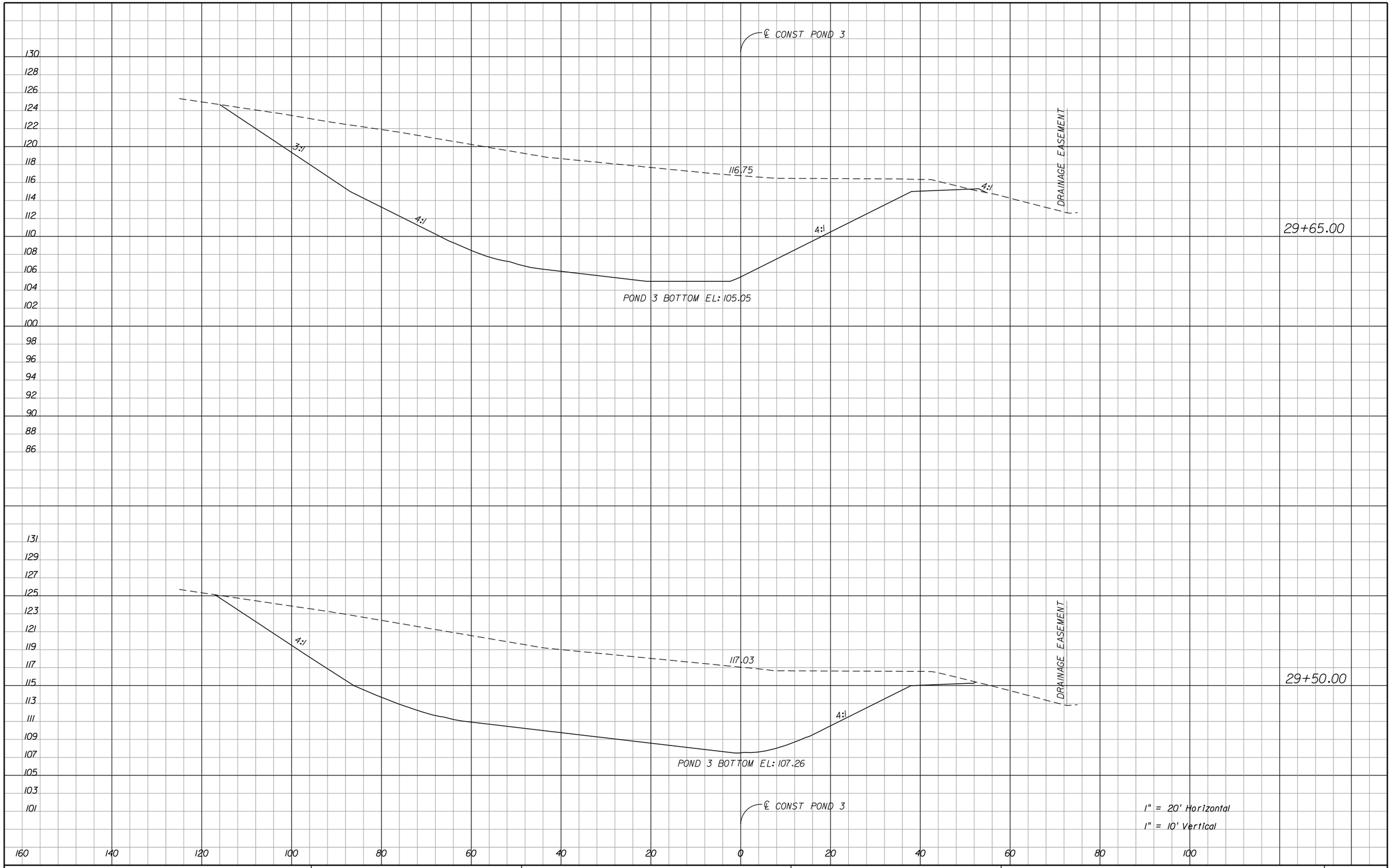
HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS POND 3

SHEET NO. 100

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$USER$ $DATE$ $TIME$ $MODELNAME$ $FILE$



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621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: DAVID RETLAW BORYS, P.E.
P.E. LICENSE NUMBER 75372

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

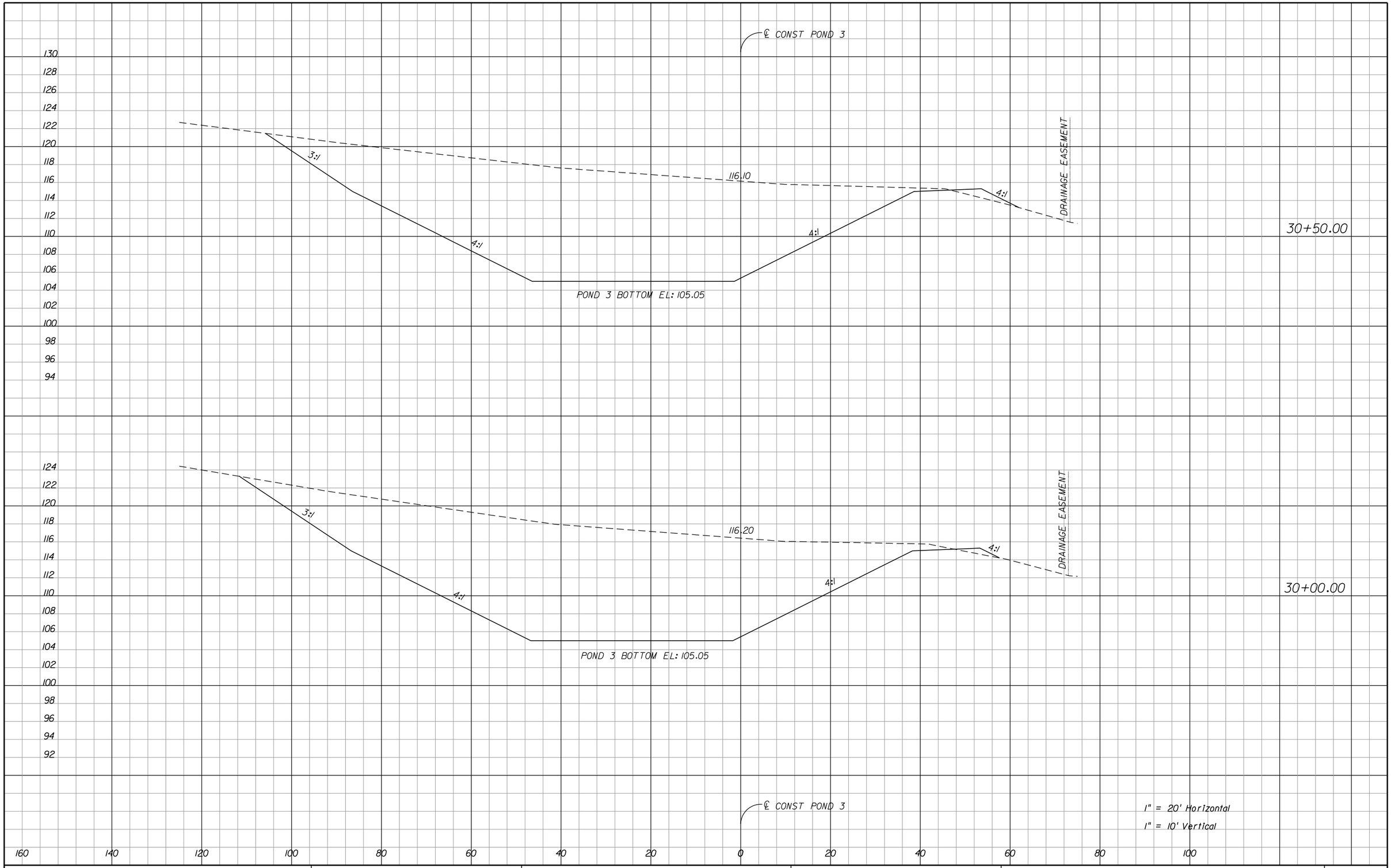
HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS POND 3

SHEET NO. 101

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621 E. WASHINGTON ST., STE 8
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PHONE NO. (407) 704-7815
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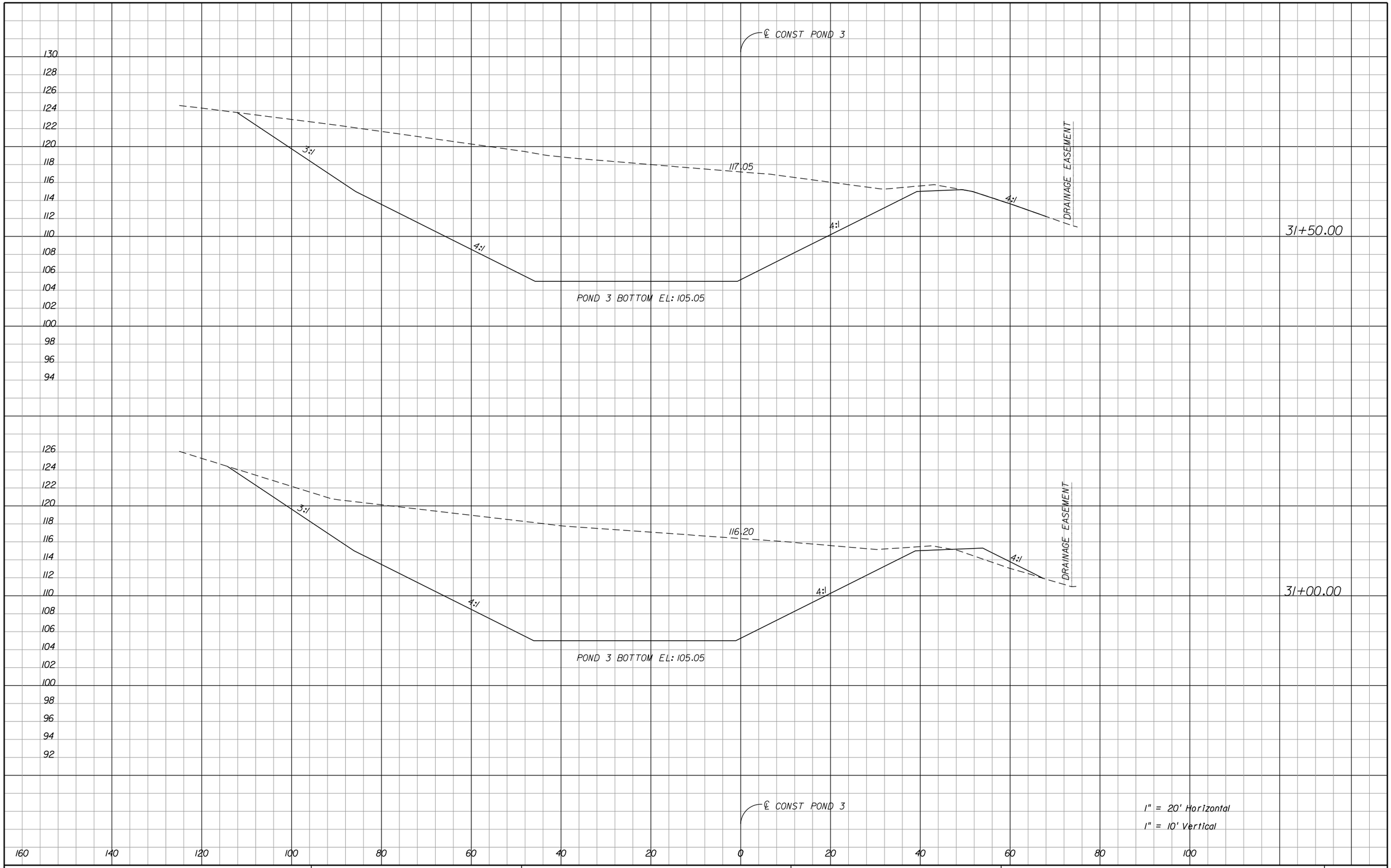
HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS POND 3

SHEET NO. 102

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$USER$ $DATE$ $TIME$ $MODELNAME$ $FILE$



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Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: DAVID RETLAW BORRYS, P.E.
P.E. LICENSE NUMBER 75372

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

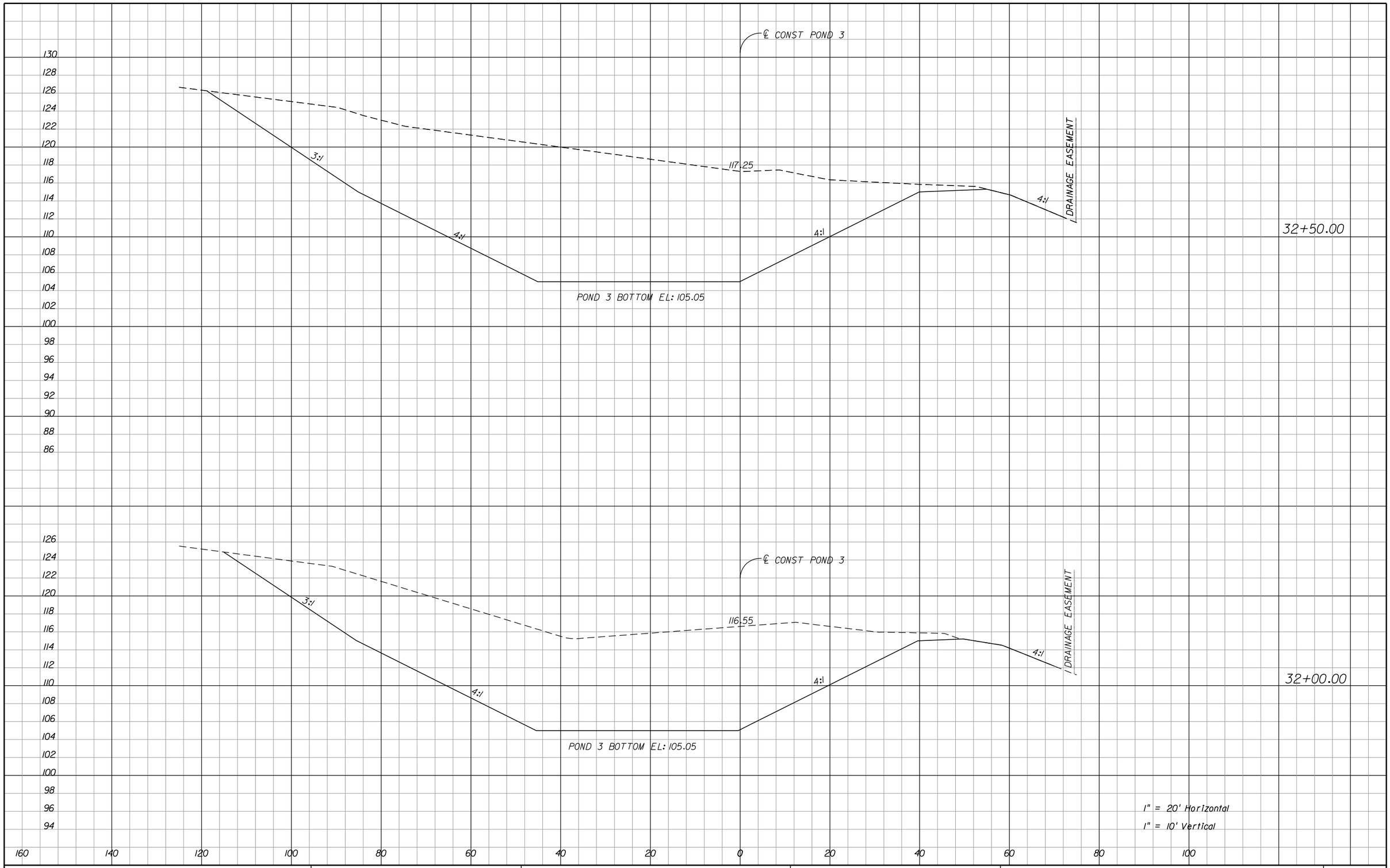
HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS POND 3

SHEET NO. 103

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

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LAKE COUNTY, FL
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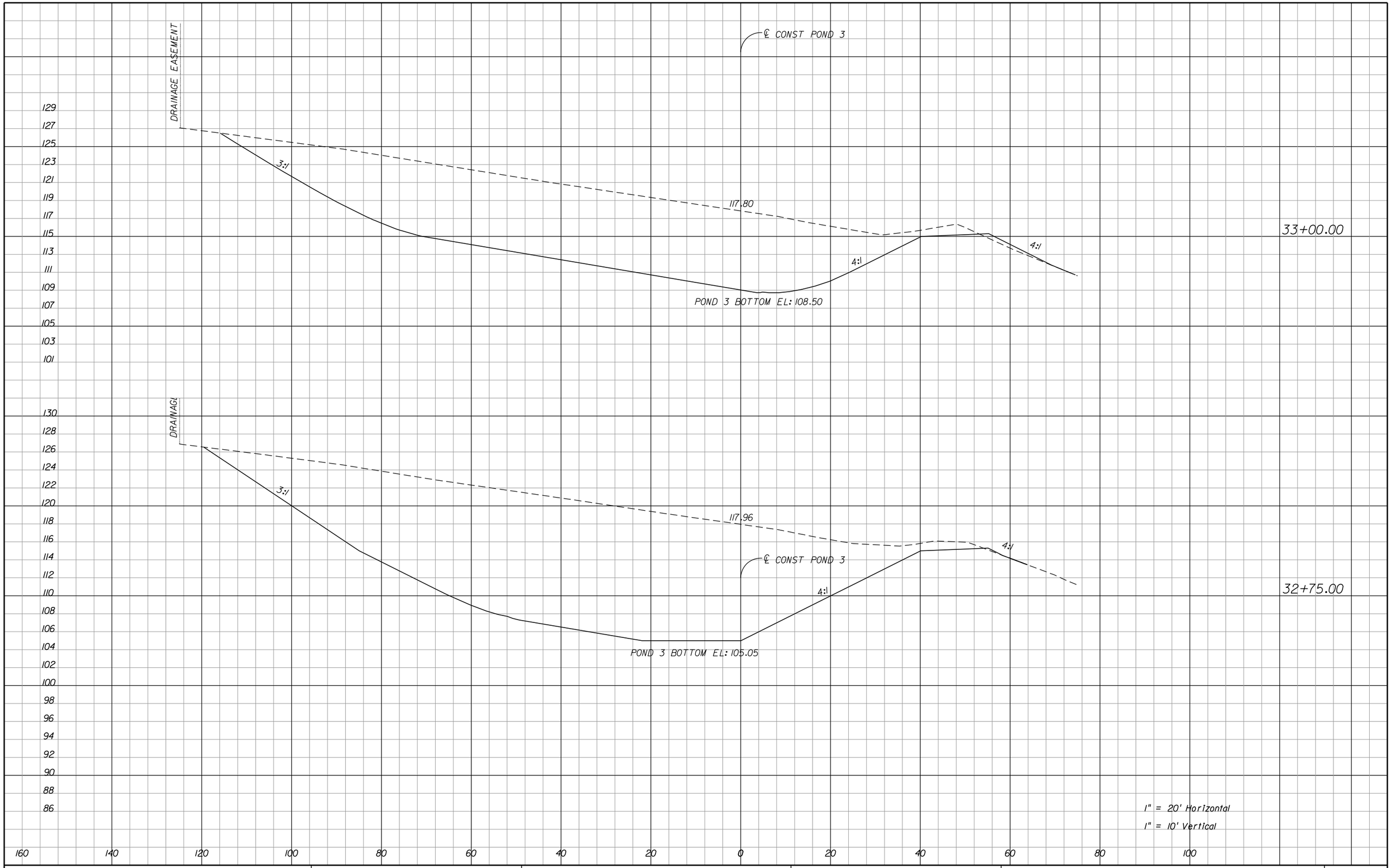
HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS POND 3

SHEET NO. 104

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LAKE COUNTY, FL
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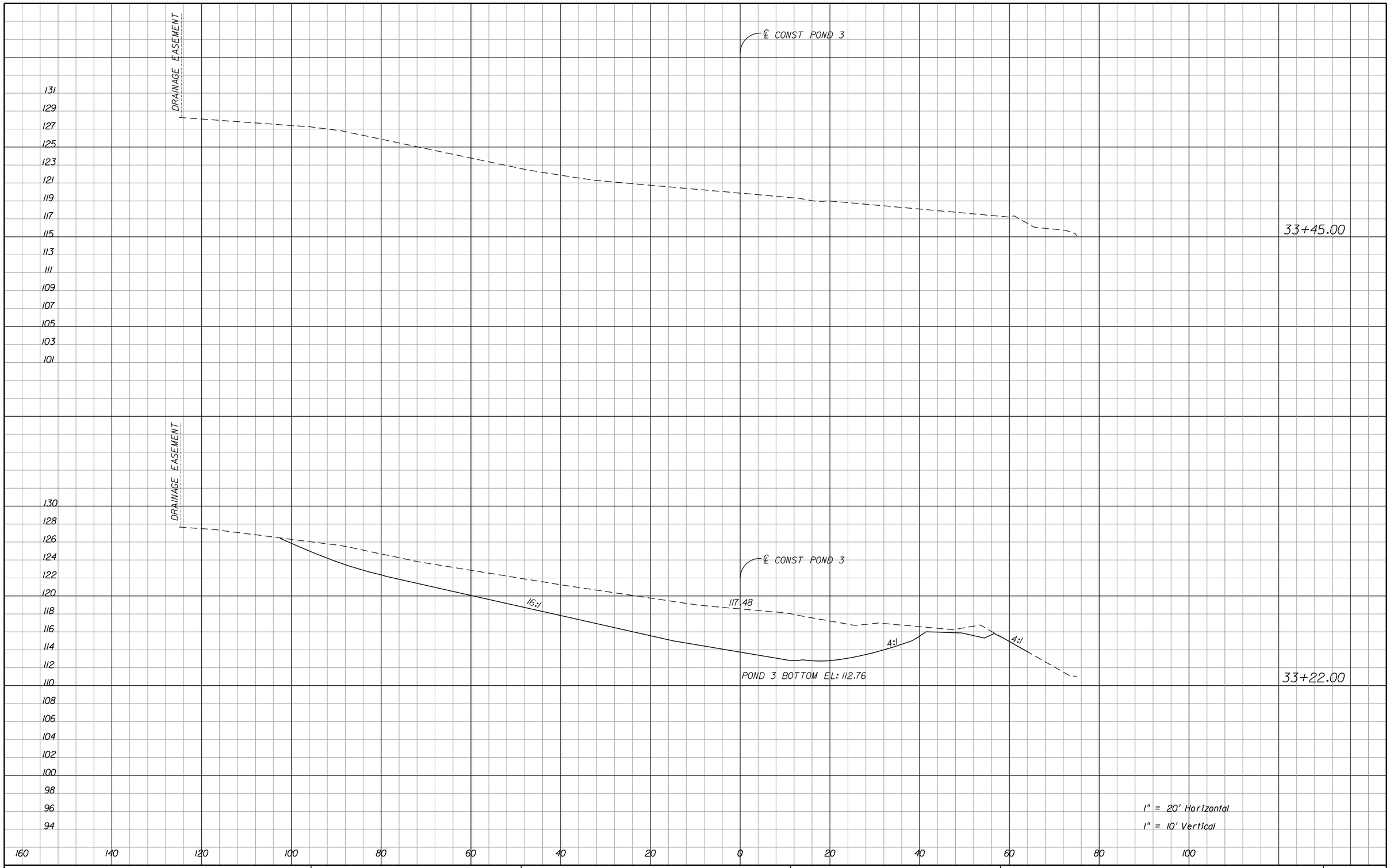
HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS POND 3

SHEET NO. 105

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REVISIONS		
DATE	BY	DESCRIPTION

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Civil • Structural • Inspections

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ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

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P.E. LICENSE NUMBER 75372

LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS POND 3

SHEET NO. 106

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$USER$ $DATE$ $TIME$ $MODELNAME$ $FILE$

DATE OF SURVEY: APRIL 2022 TO JUNE 2022
SURVEY MADE BY: TIERRA, INC.
SUBMITTED BY: LUIS ALMODOVAR, P.E.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
MATERIALS AND RESEARCH

DISTRICT: 5
ROAD NO.: N/A
COUNTY: LAKE

LAKE COUNTY RSQ NO. : 21-0921
PROJECT NAME: HARTWOOD MARSH ROAD - PHASE I

CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS AND PONDS

SURVEY BEGINS STA. : 102+82.89 SURVEY ENDS STA. : 155+50.00 REFERENCE: CENTERLINE OF CONSTRUCTION OF HARTWOOD MARSH ROAD

	ORGANIC CONTENT		MOISTURE CONTENT		SIEVE ANALYSIS RESULTS PERCENT PASS (%)						ATTERBERG LIMITS (%)					CORROSION TEST RESULTS				
STRATUM NO.	NO. OF TESTS	% ORGANIC	NO. OF TESTS	MOISTURE CONTENT	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX	AASHTO GROUP	DESCRIPTION	NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDE ppm	SULFATES ppm	pH
1	--	--	--	--	10	100	75-86	30-42	7-9	3-4	--	--	--	A-3	ORANGE-BROWN TO BROWN SAND TO SAND WITH SILT	2	50,000-62,000	30	<5-18	7.2-7.5
2	--	--	--	--	2	100	77-85	29-39	7	3	--	--	--	A-3	ORANGE-BROWN TO BROWN SAND WITH SILT AND OCCASIONAL ASPHALT PIECES AND/OR LIMEROCK FRAGMENTS	--	--	--	--	--
3	--	--	--	--	3	100	71-82	30-51	8-20	1-6	--	--	--	A-3	LIGHT GRAY TO LIGHT GRAY-BROWN SAND TO SAND WITH SILT	--	--	--	--	--
4	--	--	--	--	1	100	90	84	62	31	--	--	--	A-2-4	LIGHT GRAY TO GRAY SILTY SAND	--	--	--	--	--

NOTES:

1. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY. ANY SUBSOIL CONNECTING LINES SHOWN ARE FOR ESTIMATING EARTHWORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED.
2. STRATA 1, 2, 3 AND 4 SHALL BE TREATED AS SELECT (S) IN ACCORDANCE WITH STANDARD PLANS, INDEX 120-001.
3. STRATUM 4 MAY RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT.
4. THE SYMBOL "-" REPRESENTS AN UNMEASURED PARAMETER.

EMBANKMENT AND SUBGRADE MATERIAL

STRATA BOUNDARIES ARE APPROXIMATE. MAKE FINAL CHECK AFTER GRADING.

▽ - ESTIMATED SEASONAL HIGH GROUNDWATER TABLE

▼ - WATER TABLE ENCOUNTERED

GNE - GROUNDWATER NOT ENCOUNTERED

REVISIONS		
DATE	BY	DESCRIPTION

LUIS A. ALMODOVAR, P.E.
P.E. LICENSE NUMBER 93273
TIERRA, INC.
591 SUSAN B. BRITT COURT
WINTER GARDEN, FLORIDA 34787

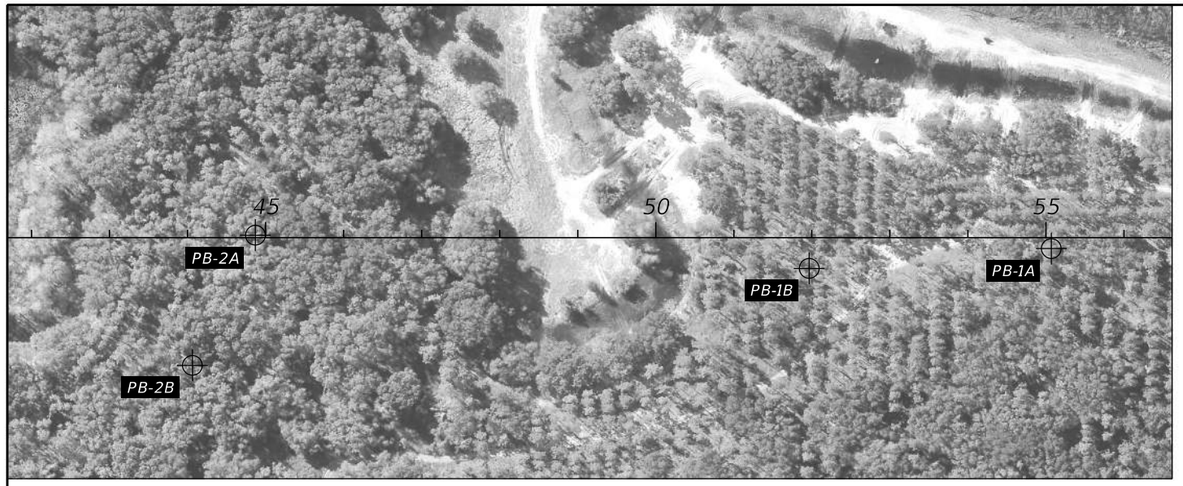
LAKE COUNTY FLORIDA

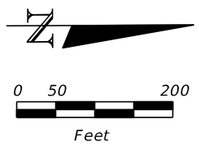
HARTWOOD MARSH ROAD - PHASE I

ROADWAY SOIL SURVEY

SHEET NO. 107

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BORING LOCATION PLAN

LEGEND

1.	ORANGE-BROWN TO BROWN SAND TO SAND WITH SILT (A-3)
2.	ORANGE-BROWN TO BROWN SAND WITH SILT AND OCCASIONAL ASPHALT PIECES AND/OR LIMEROCK FRAGMENTS (A-3)
3.	LIGHT GRAY TO LIGHT GRAY-BROWN SAND TO SAND WITH SILT (A-3)
4.	LIGHT GRAY TO GRAY SILTY SAND (A-2-4)
A-3	AASHTO GROUP SYMBOL AS DETERMINED BY VISUAL REVIEW AND LABORATORY TESTING ON SELECTED SAMPLES FOR CONFIRMATION OF VISUAL REVIEW.
-200	PERCENT PASSING #200 SIEVE
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
⊕	APPROXIMATE AUGER BORING LOCATION
▽	ESTIMATED SEASONAL HIGH GROUNDWATER TABLE
▼	GROUNDWATER LEVEL ENCOUNTERED DURING FIELD EXPLORATIONS
GNE	GROUNDWATER NOT ENCOUNTERED

EXISTING POND 1
HARTWOOD LANDING SUBDIVISION

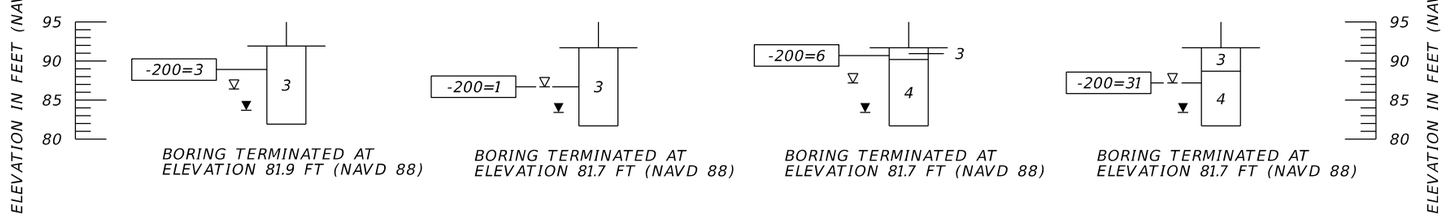
BOR # PB-1A
EASTING 427774
NORTHING 1513979
ELEV. 91.9
DATE 5/25/2022

BOR # PB-1B
EASTING 427798
NORTHING 1513668
ELEV. 91.7
DATE 5/25/2022

EXISTING POND 2
HARTWOOD LANDING SUBDIVISION

BOR # PB-2A
EASTING 427752
NORTHING 1512959
ELEV. 91.7
DATE 5/25/2022

BOR # PB-2B
EASTING 427918
NORTHING 1512877
ELEV. 91.7
DATE 5/25/2022



BORING TERMINATED AT ELEVATION 81.9 FT (NAVD 88)

BORING TERMINATED AT ELEVATION 81.7 FT (NAVD 88)

BORING TERMINATED AT ELEVATION 81.7 FT (NAVD 88)

BORING TERMINATED AT ELEVATION 81.7 FT (NAVD 88)

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REVISIONS		
DATE	BY	DESCRIPTION

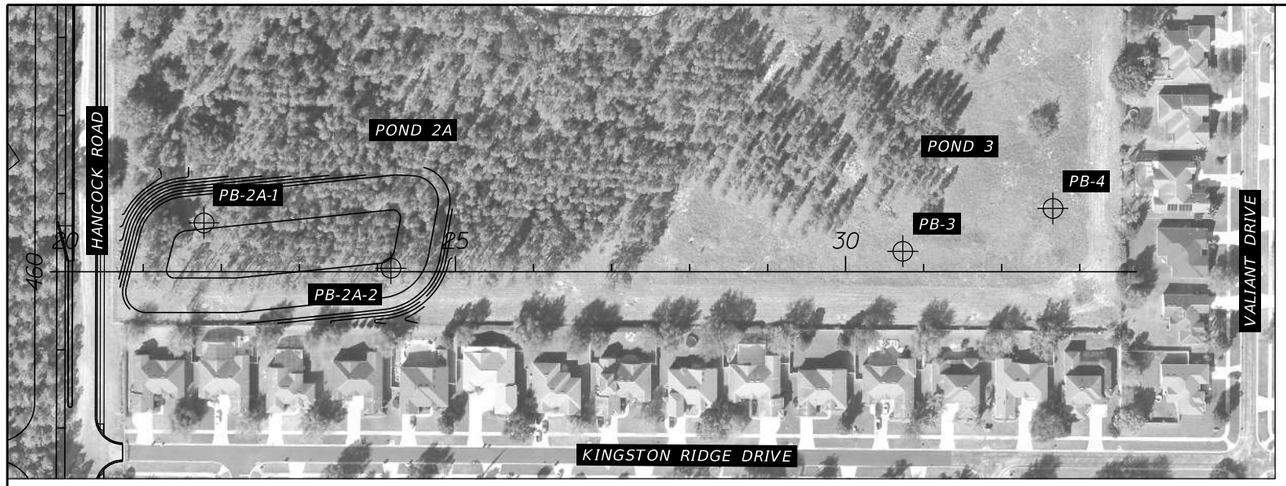
LUIS A. ALMODOVAR, P.E.
P.E. LICENSE NUMBER 93273
TIERRA, INC.
591 SUSAN B. BRITT COURT
WINTER GARDEN, FLORIDA 34787

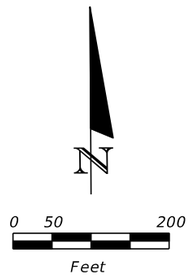
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

POND SOIL SURVEY (1)

SHEET NO. 108





BORING LOCATION PLAN

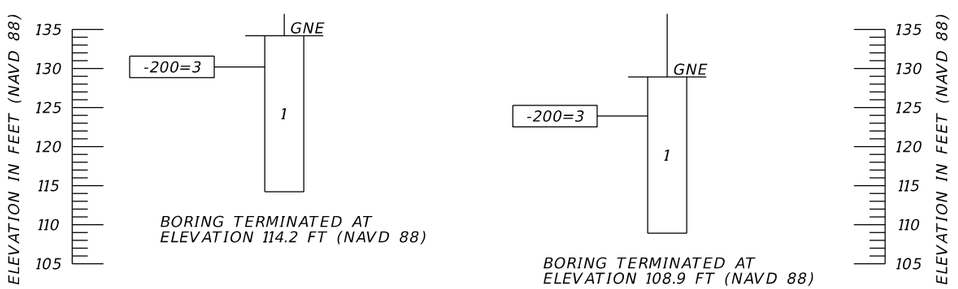
LEGEND

1.	ORANGE-BROWN TO BROWN SAND TO SAND WITH SILT (A-3)
2.	ORANGE-BROWN TO BROWN SAND WITH SILT AND OCCASIONAL ASPHALT PIECES AND/OR LIMEROCK FRAGMENTS (A-3)
3.	LIGHT GRAY TO LIGHT GRAY-BROWN SAND TO SAND WITH SILT (A-3)
4.	LIGHT GRAY TO GRAY SILTY SAND (A-2-4)
A-3	AASHTO GROUP SYMBOL AS DETERMINED BY VISUAL REVIEW AND LABORATORY TESTING ON SELECTED SAMPLES FOR CONFIRMATION OF VISUAL REVIEW.
-200	PERCENT PASSING #200 SIEVE
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
⊕	APPROXIMATE AUGER BORING LOCATION
▽	ESTIMATED SEASONAL HIGH GROUNDWATER TABLE
▼	GROUNDWATER LEVEL ENCOUNTERED DURING FIELD EXPLORATIONS
GNE	GROUNDWATER NOT ENCOUNTERED

POND 2A

BOR # PB-2A-1
EASTING 429217
NORTHING 1513909
ELEV. 134.2
DATE 5/25/2022

BOR # PB-2A-2
EASTING 429456
NORTHING 1513850
ELEV. 128.9
DATE 6/1/2022



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P.E. LICENSE NUMBER 93273
TIERRA, INC.
591 SUSAN B. BRITT COURT
WINTER GARDEN, FLORIDA 34787

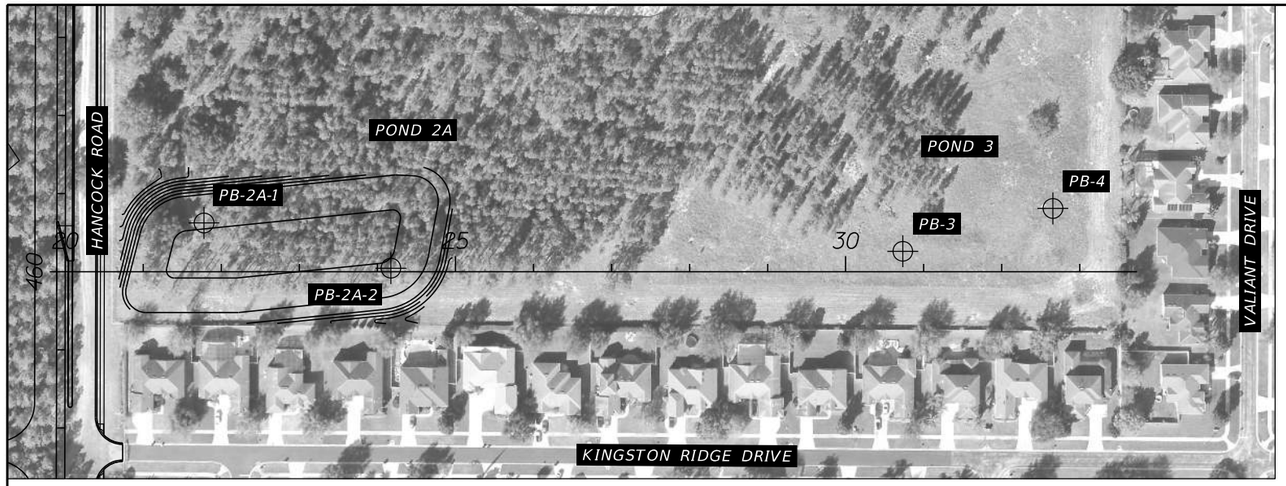
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

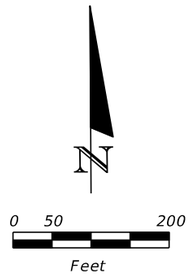
HARTWOOD MARSH ROAD - PHASE I

POND SOIL SURVEY (2)

SHEET NO. 109

bgarcia 8/3/2023 11:37:18 AM L:\5511\2021\2021 Projects\5511-21-062 Hartwood Marsh\Microstation\Geotech\PBORR002.dgn





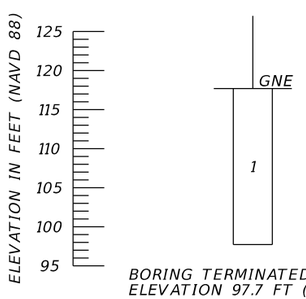
BORING LOCATION PLAN

LEGEND

1.	ORANGE-BROWN TO BROWN SAND TO SAND WITH SILT (A-3)
2.	ORANGE-BROWN TO BROWN SAND WITH SILT AND OCCASIONAL ASPHALT PIECES AND/OR LIMEROCK FRAGMENTS (A-3)
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-200	PERCENT PASSING #200 SIEVE
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
⊕	APPROXIMATE AUGER BORING LOCATION
▽	ESTIMATED SEASONAL HIGH GROUNDWATER TABLE
▼	GROUNDWATER LEVEL ENCOUNTERED DURING FIELD EXPLORATIONS
GNE	GROUNDWATER NOT ENCOUNTERED

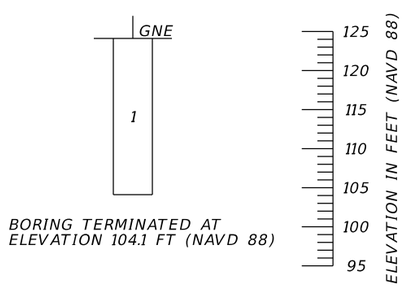
POND 3

BOR #	PB-3
STA.	1513868
OFF.	430112
ELEV.	117.7
DATE	6/15/2023



BORING TERMINATED AT ELEVATION 97.7 FT (NAVD 88)

BOR #	PB-4
STA.	1513922
OFF.	430305
ELEV.	124.1
DATE	6/15/2023



BORING TERMINATED AT ELEVATION 104.1 FT (NAVD 88)

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REVISIONS		
DATE	BY	DESCRIPTION

LUIS A. ALMODOVAR, P.E.
P.E. LICENSE NUMBER 93273
TIERRA, INC.
591 SUSAN B. BRITT COURT
WINTER GARDEN, FLORIDA 34787

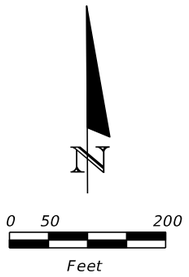
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

POND SOIL SURVEY (3)

SHEET NO. 110





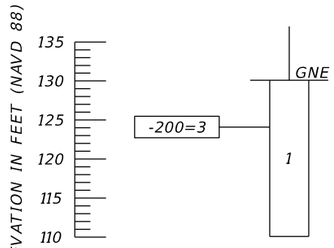
BORING LOCATION PLAN

LEGEND

1.	ORANGE-BROWN TO BROWN SAND TO SAND WITH SILT (A-3)
2.	ORANGE-BROWN TO BROWN SAND WITH SILT AND OCCASIONAL ASPHALT PIECES AND/OR LIMEROCK FRAGMENTS (A-3)
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-200	PERCENT PASSING #200 SIEVE
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
⊕	APPROXIMATE AUGER BORING LOCATION
▽	ESTIMATED SEASONAL HIGH GROUNDWATER TABLE
▼	GROUNDWATER LEVEL ENCOUNTERED DURING FIELD EXPLORATIONS
GNE	GROUNDWATER NOT ENCOUNTERED

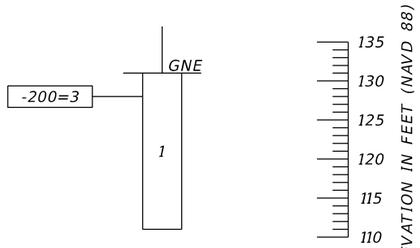
ROADSIDE RECOVERY SWALES

BOR # SW-160L
EASTING 431116
NORTHING 1515115
ELEV. 130.1
DATE 6/1/2022



BORING TERMINATED AT ELEVATION 110.1 FT (NAVD 88)

BOR # SW-161R
EASTING 431108
NORTHING 1515049
ELEV. 131.0
DATE 6/1/2022



BORING TERMINATED AT ELEVATION 111.0 FT (NAVD 88)

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DATE	BY	DESCRIPTION

LUIS A. ALMODOVAR, P.E.
P.E. LICENSE NUMBER 93273
TIERRA, INC.
591 SUSAN B. BRITT COURT
WINTER GARDEN, FLORIDA 34787

LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

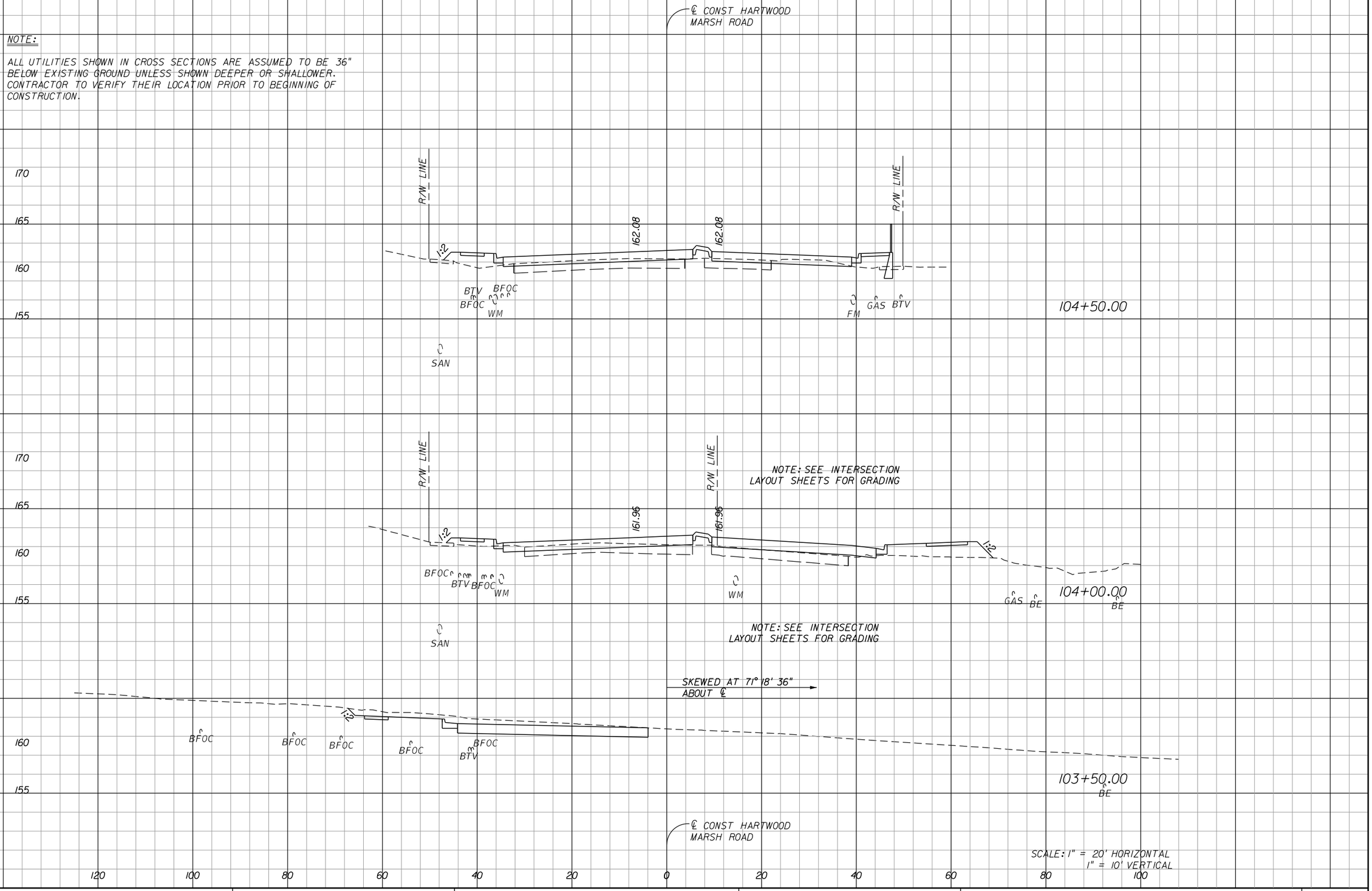
POND SOIL SURVEY (4)

SHEET NO. 111

bgarcia 8/3/2023 11:38:59 AM L:\55II\2021\2021 Projects\55II-21-062 Hartwood Marsh\Microstation\Geotech\PBORR004.dgn

NOTE:

ALL UTILITIES SHOWN IN CROSS SECTIONS ARE ASSUMED TO BE 36" BELOW EXISTING GROUND UNLESS SHOWN DEEPER OR SHALLOWER. CONTRACTOR TO VERIFY THEIR LOCATION PRIOR TO BEGINNING OF CONSTRUCTION.



REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

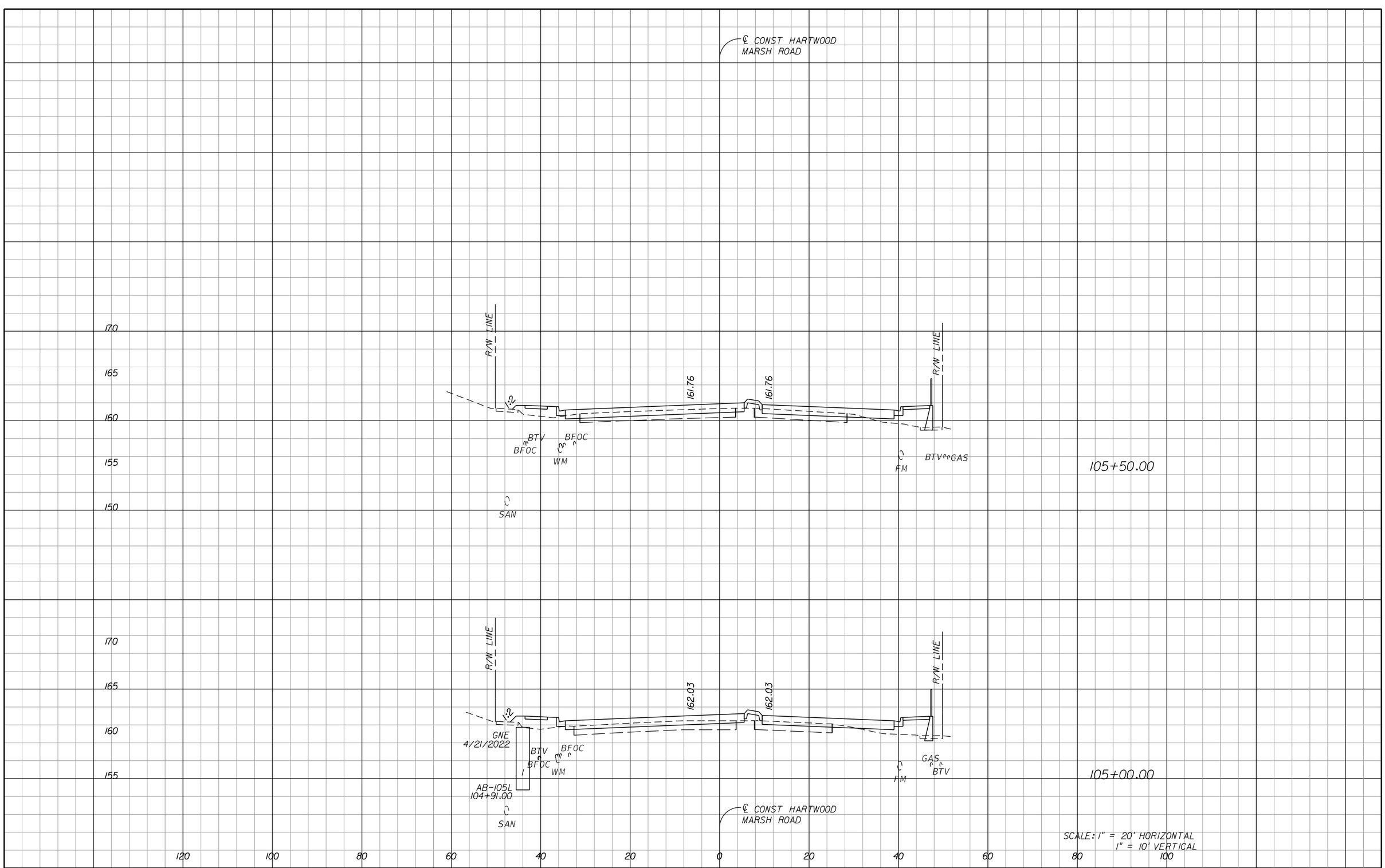
LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS
HARTWOOD MARSH ROAD

SHEET NO. 112

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OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

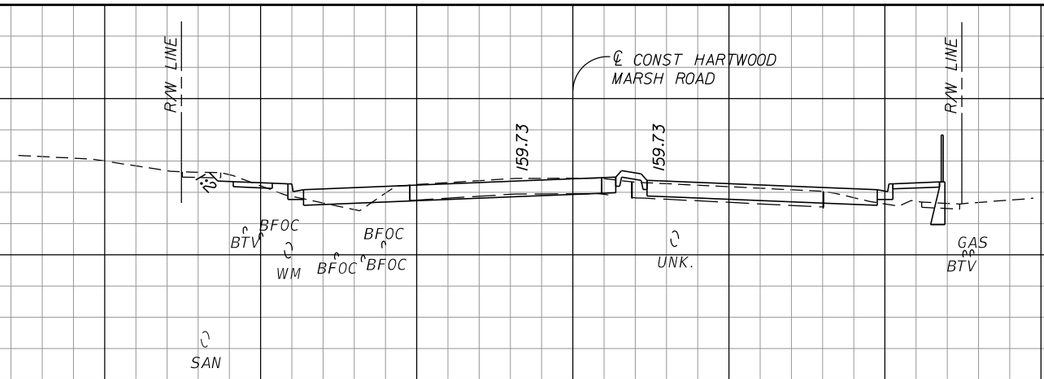
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P.E. LICENSE NUMBER 40049

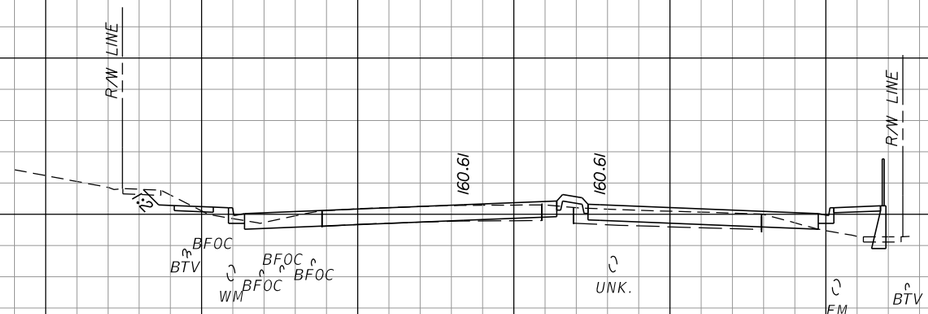
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

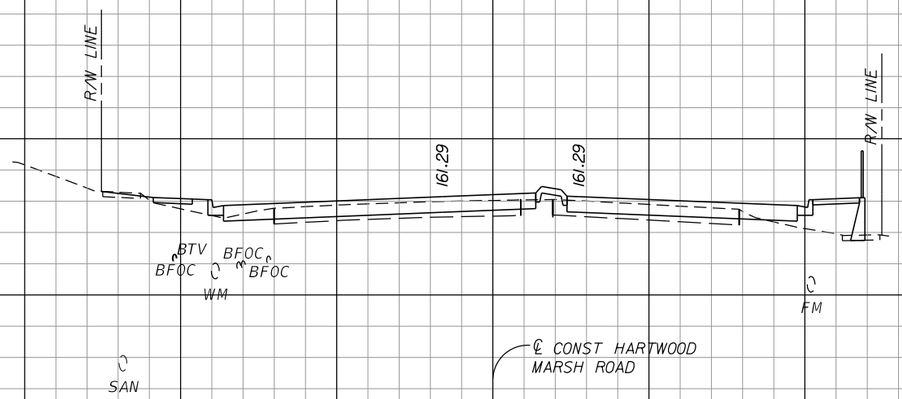
HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 113







SCALE: 1" = 20' HORIZONTAL
1" = 10' VERTICAL

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DATE	BY	DESCRIPTION

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OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

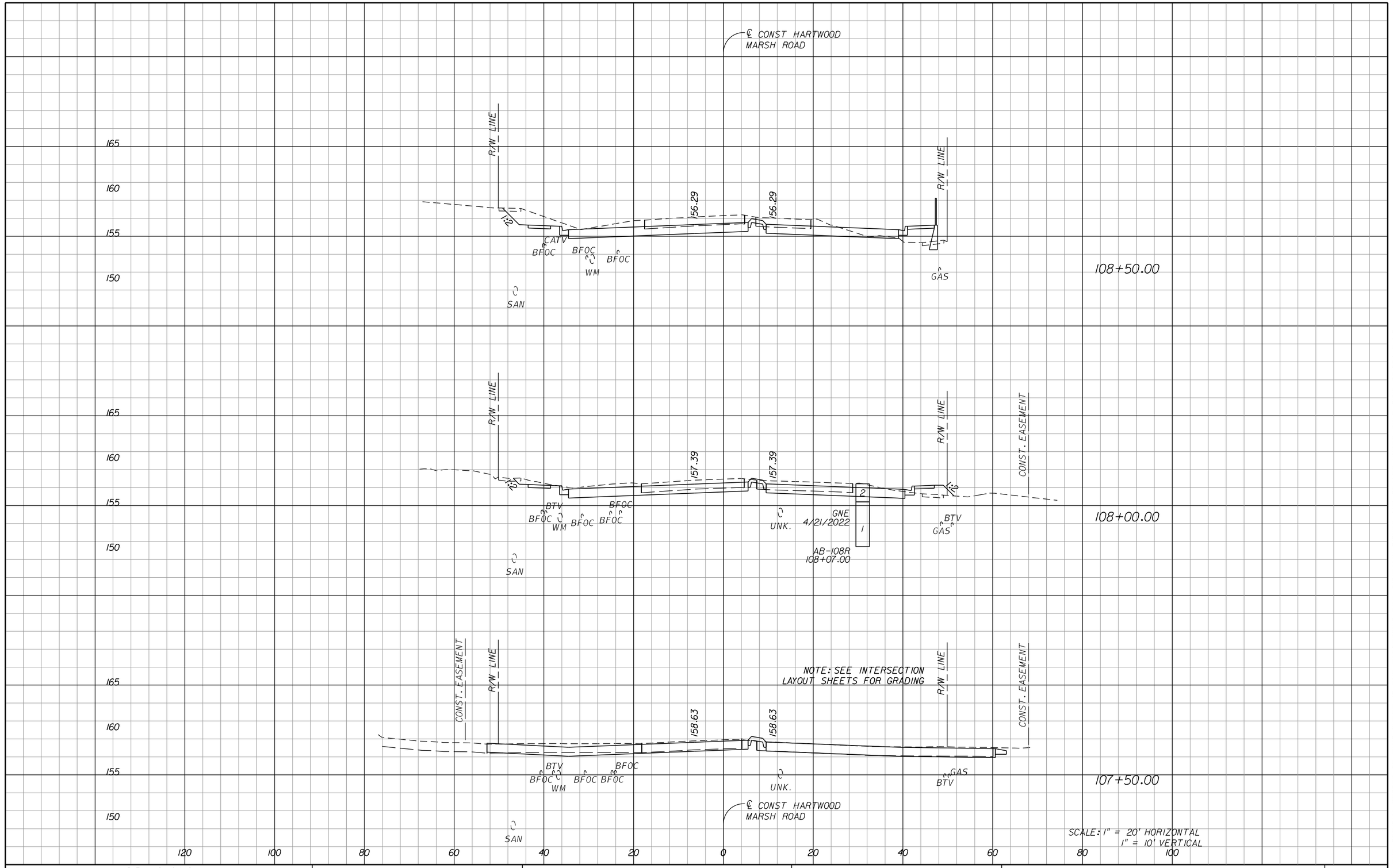
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS
HARTWOOD MARSH ROAD

SHEET NO. 114



REVISIONS		
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OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

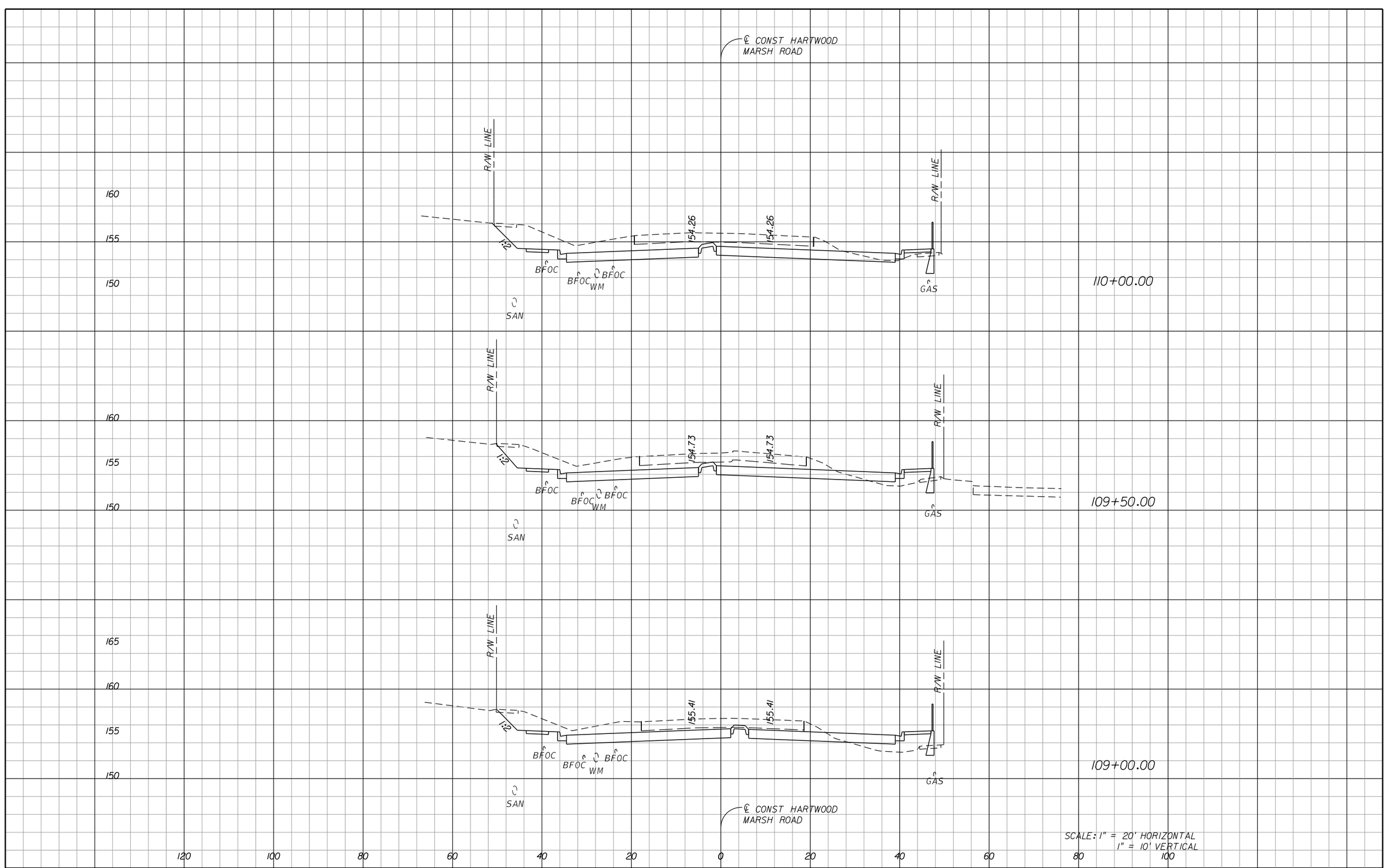
LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 115

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621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

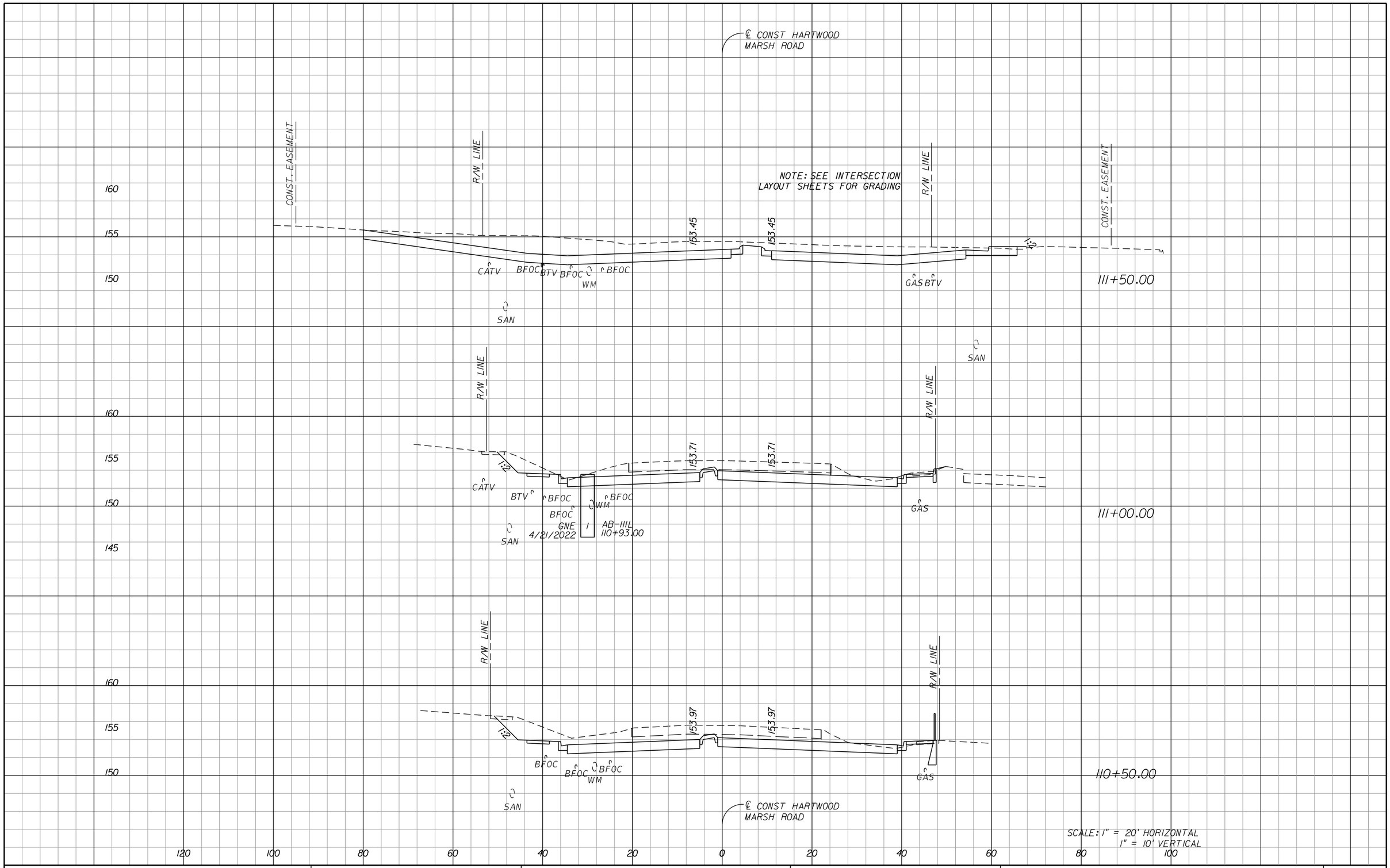
LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 116

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Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

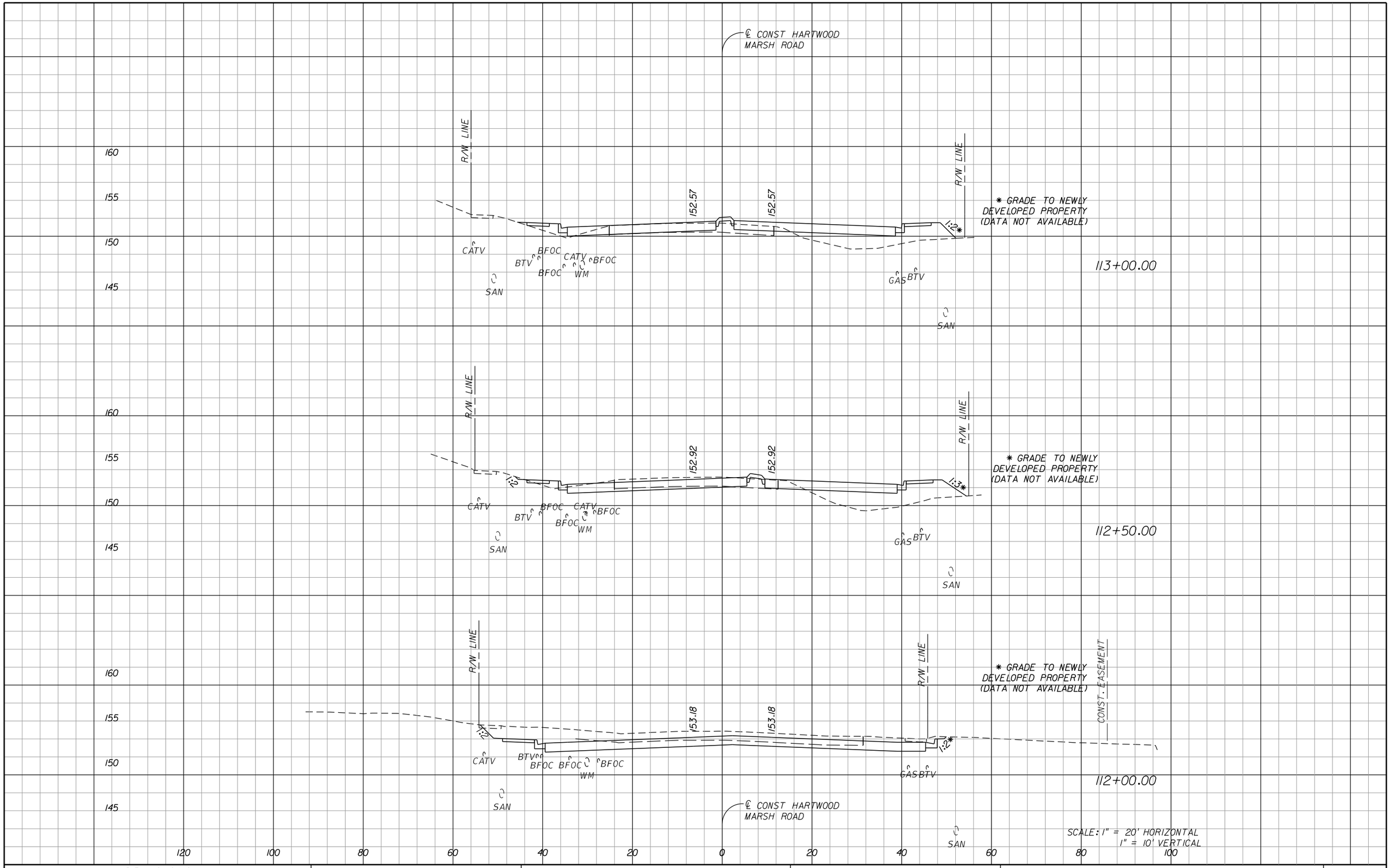
LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 117

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Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

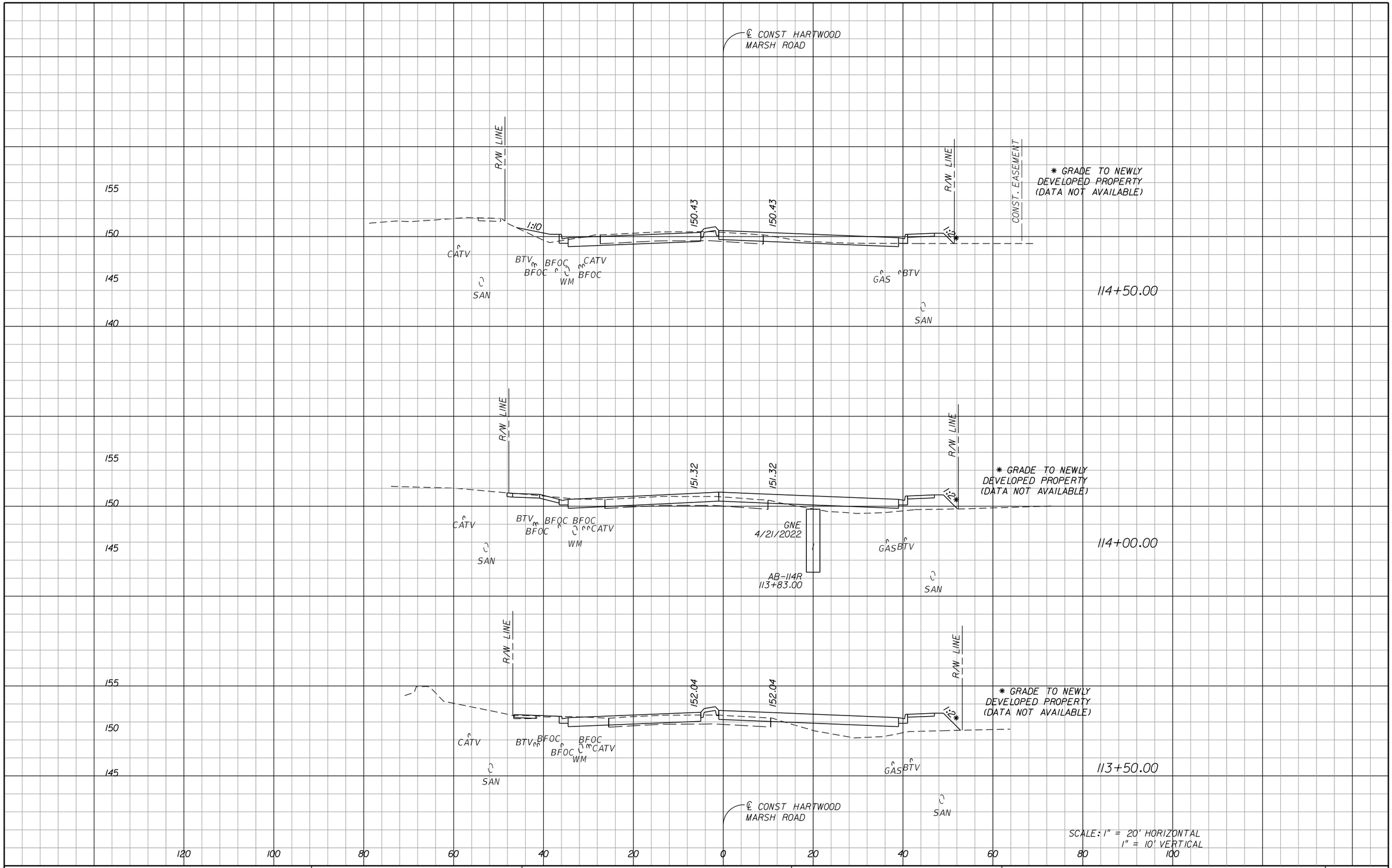
LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 118

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DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

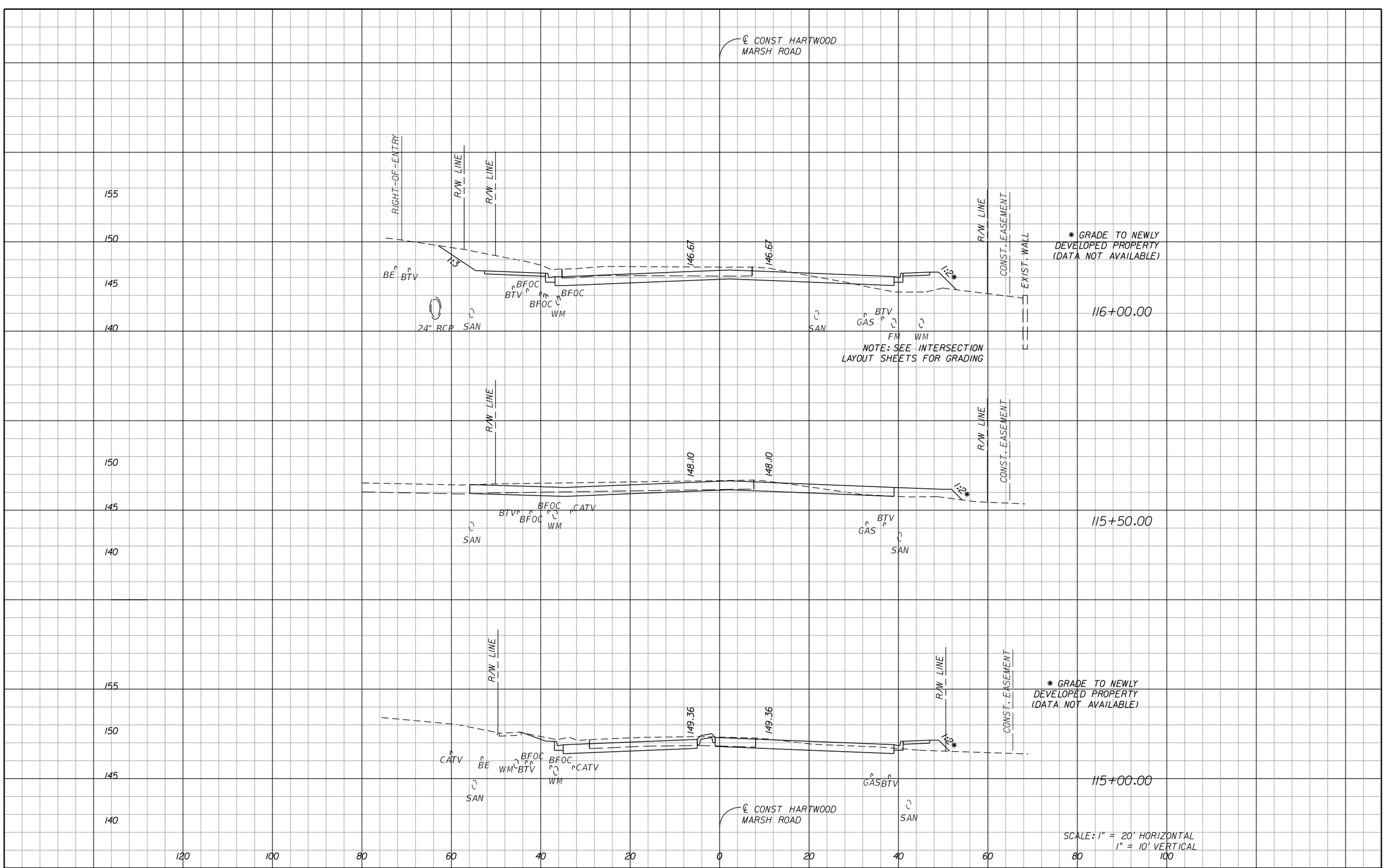
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 119



REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC. Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

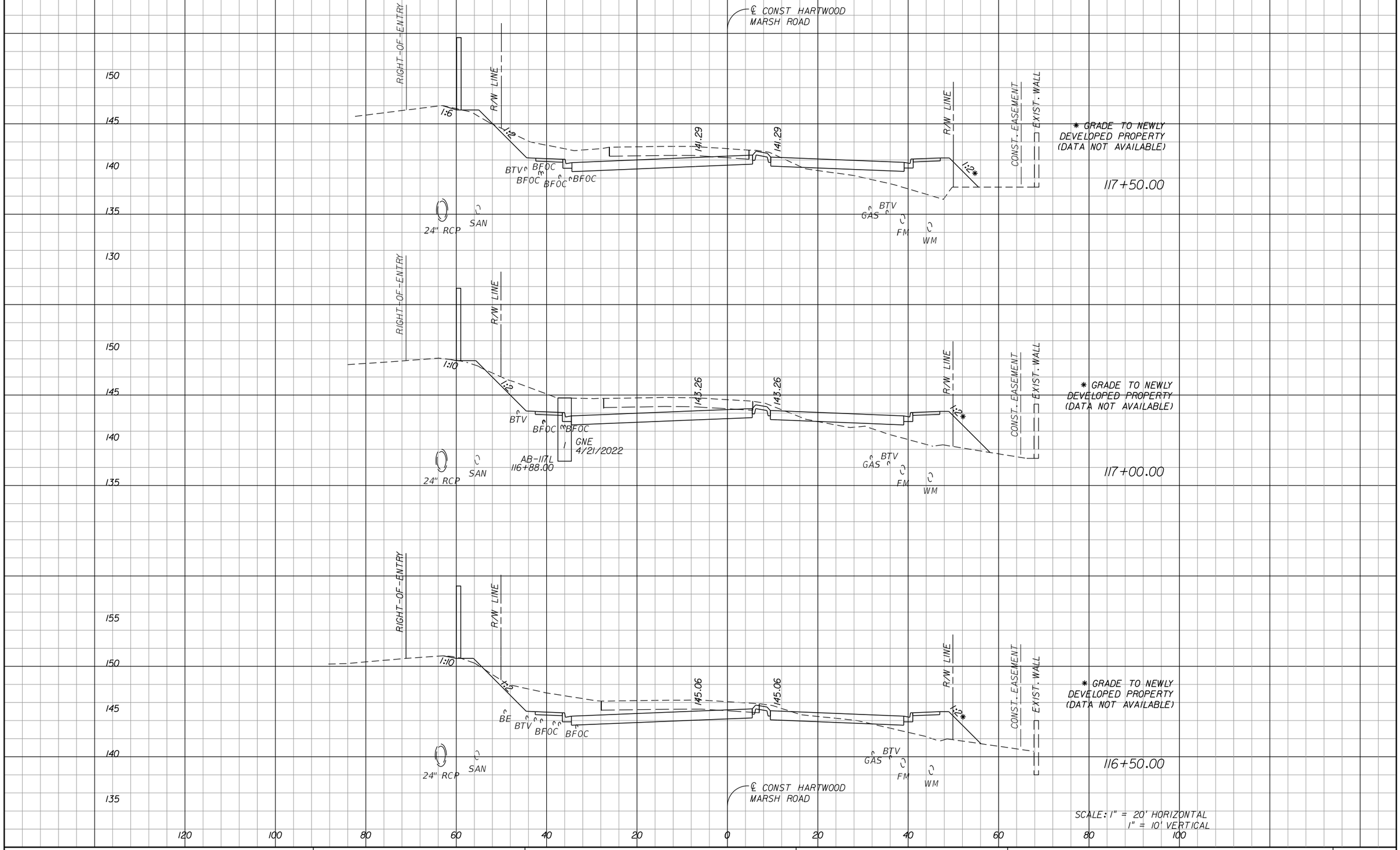
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 120

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Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

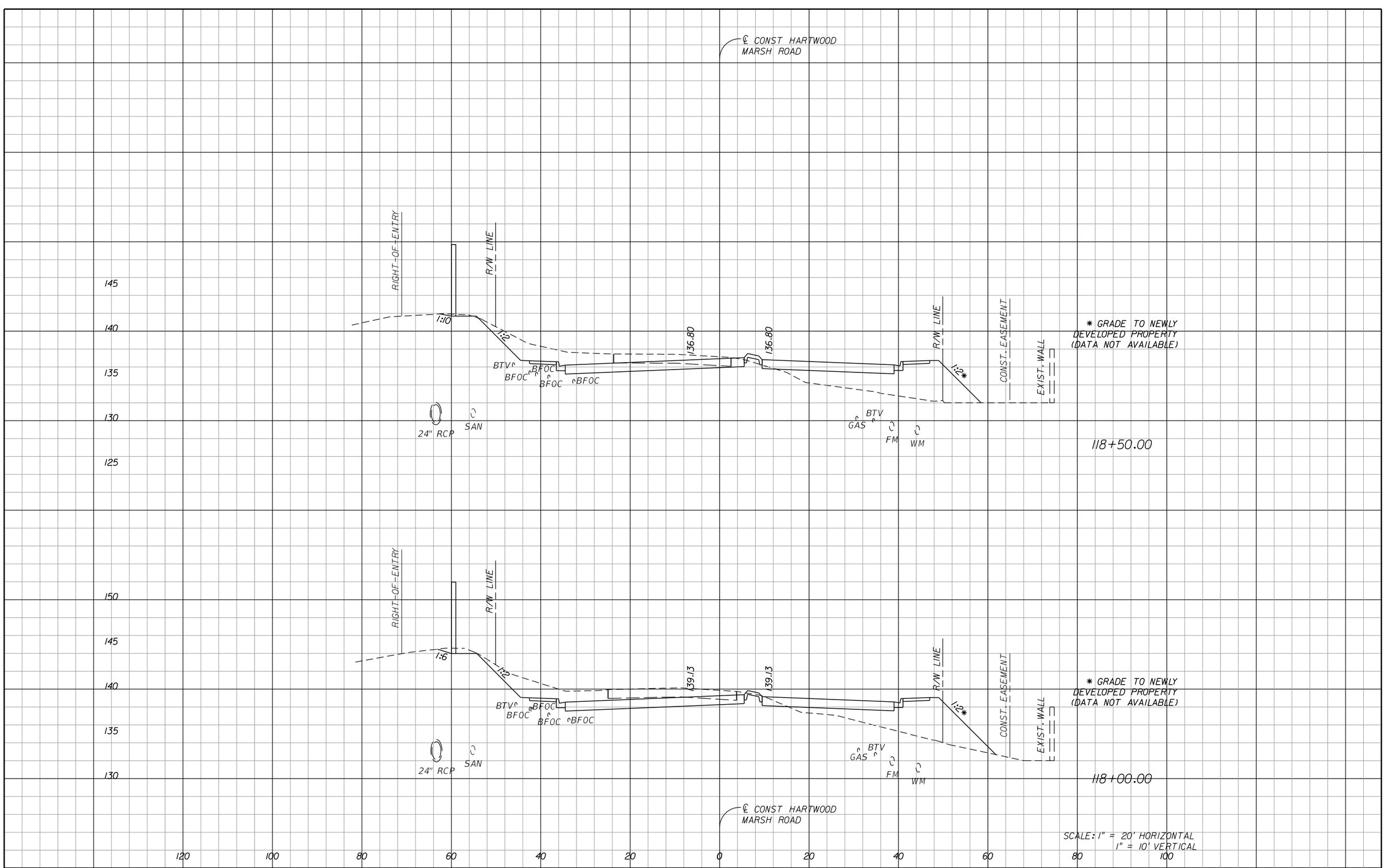
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 121

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REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

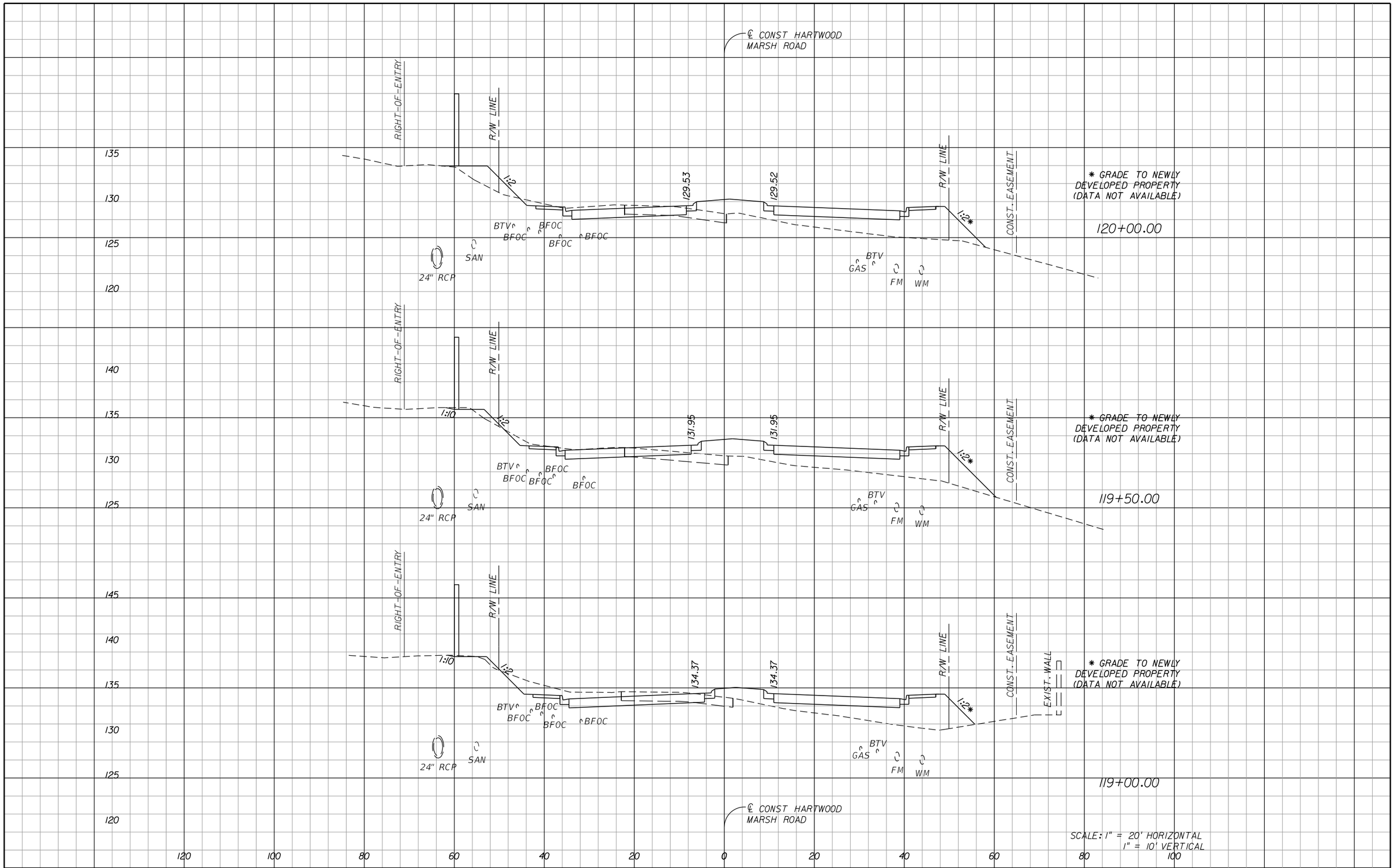
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 122



REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

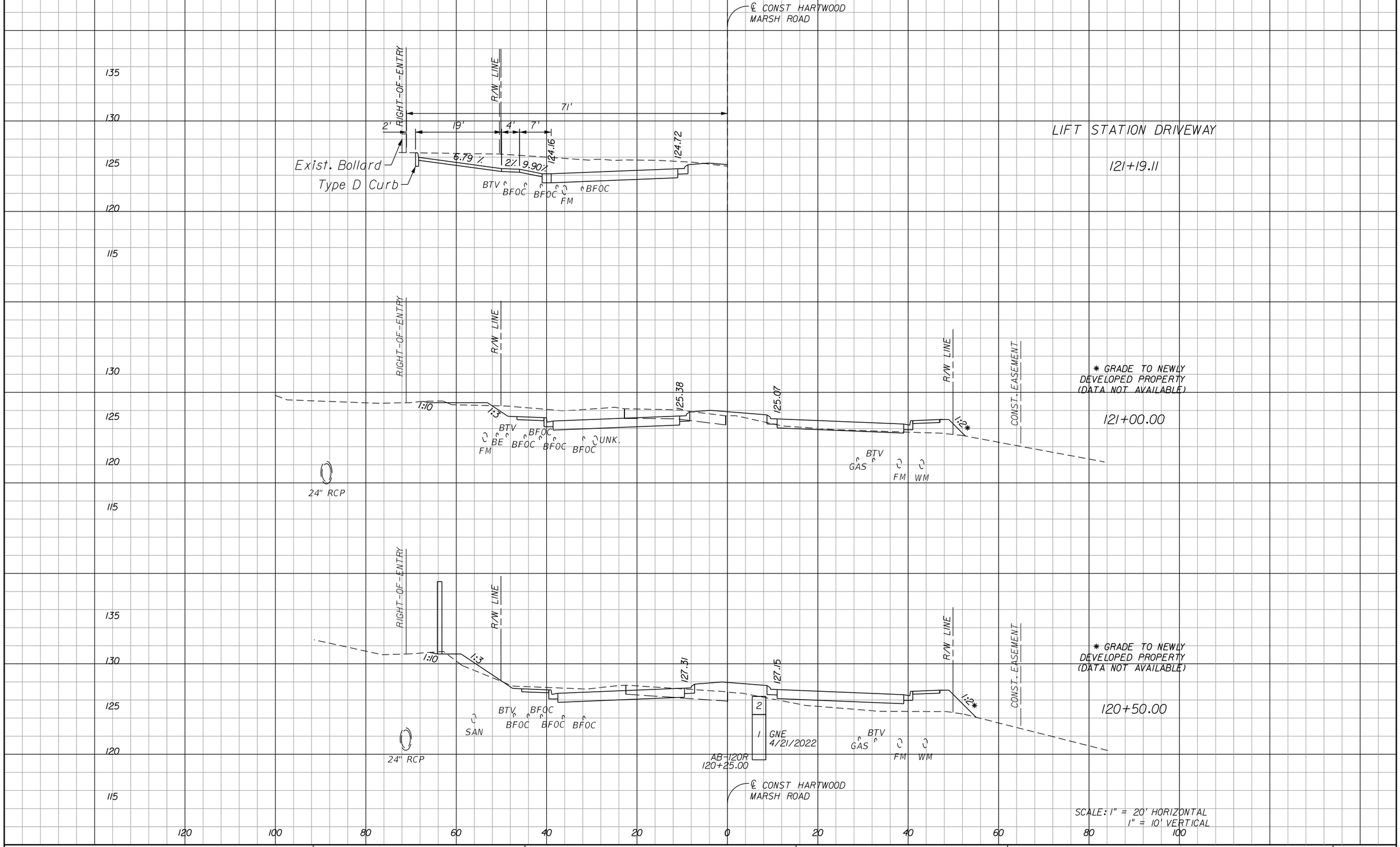
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS
HARTWOOD MARSH ROAD

SHEET NO. 123

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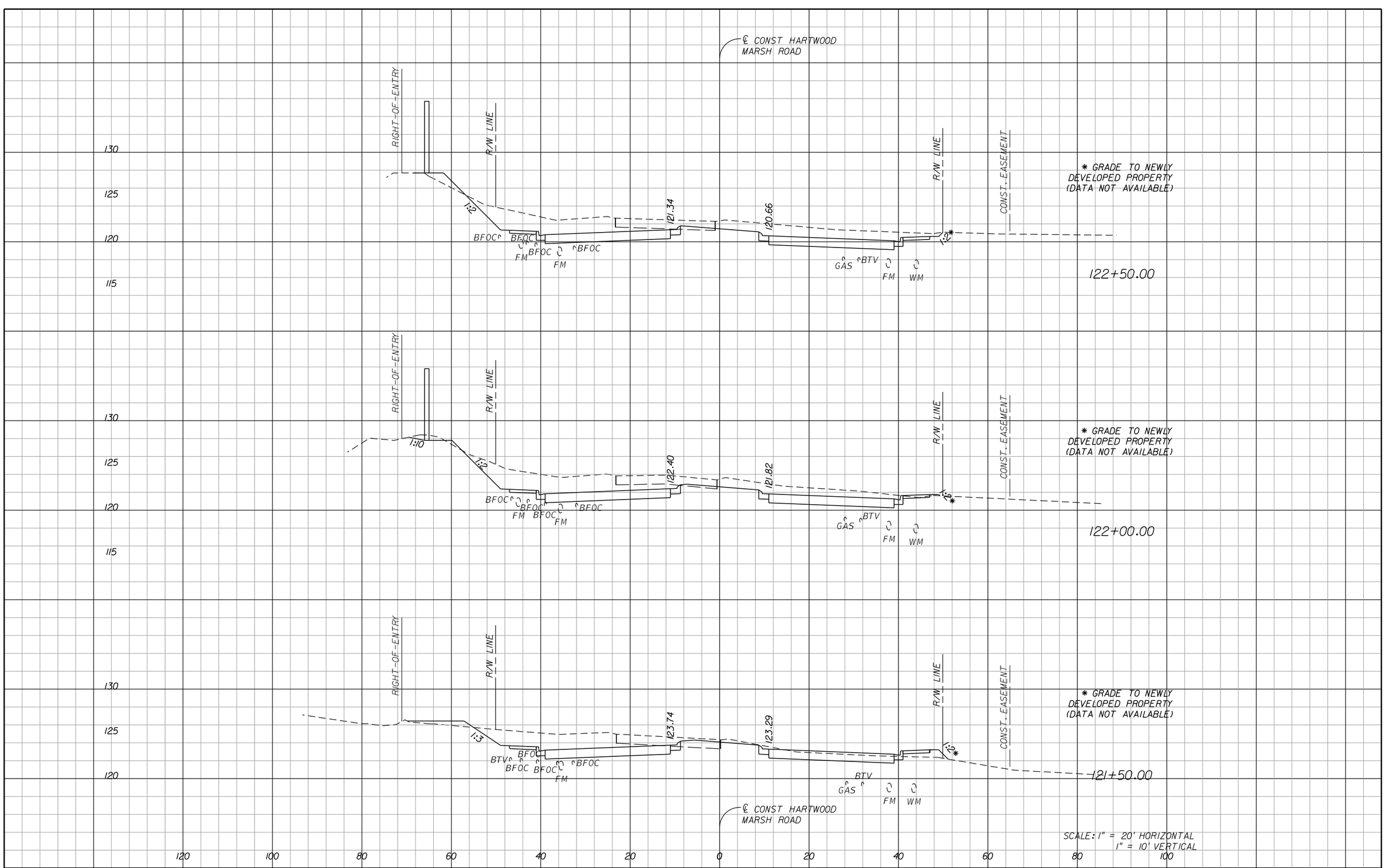
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 124

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DATE	BY	DESCRIPTION

OM Engineering Services, Inc.
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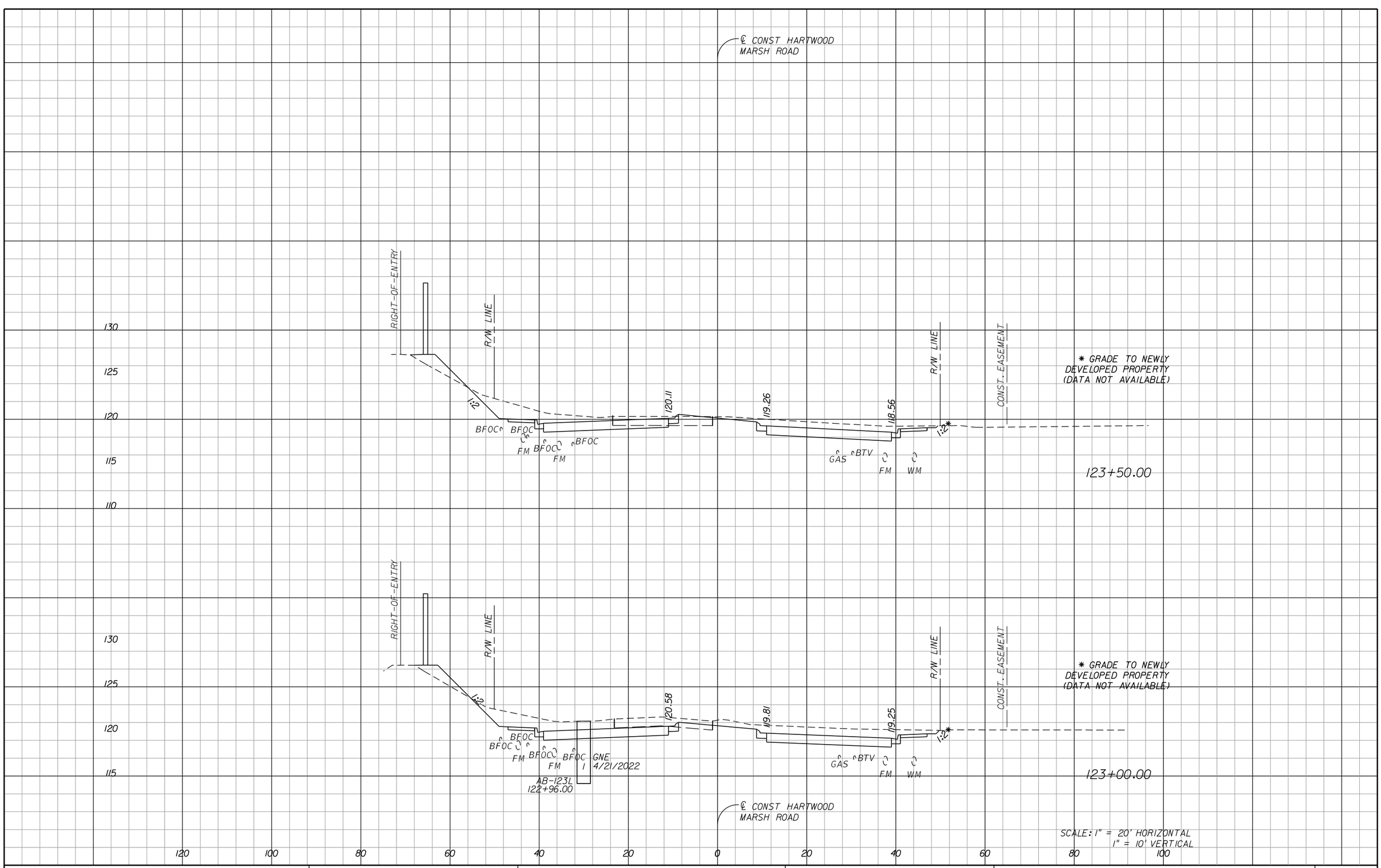
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 125

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ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
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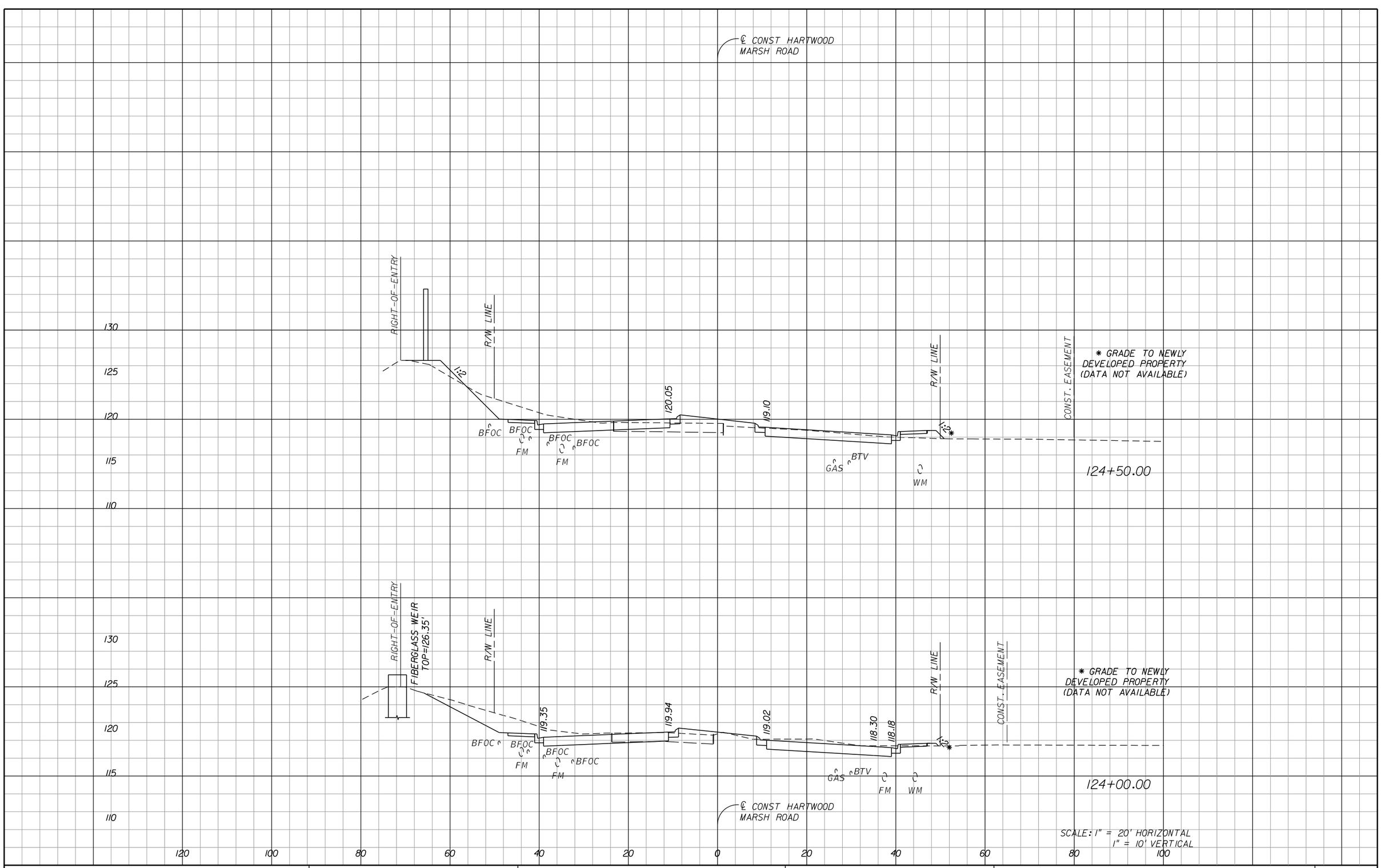
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 126

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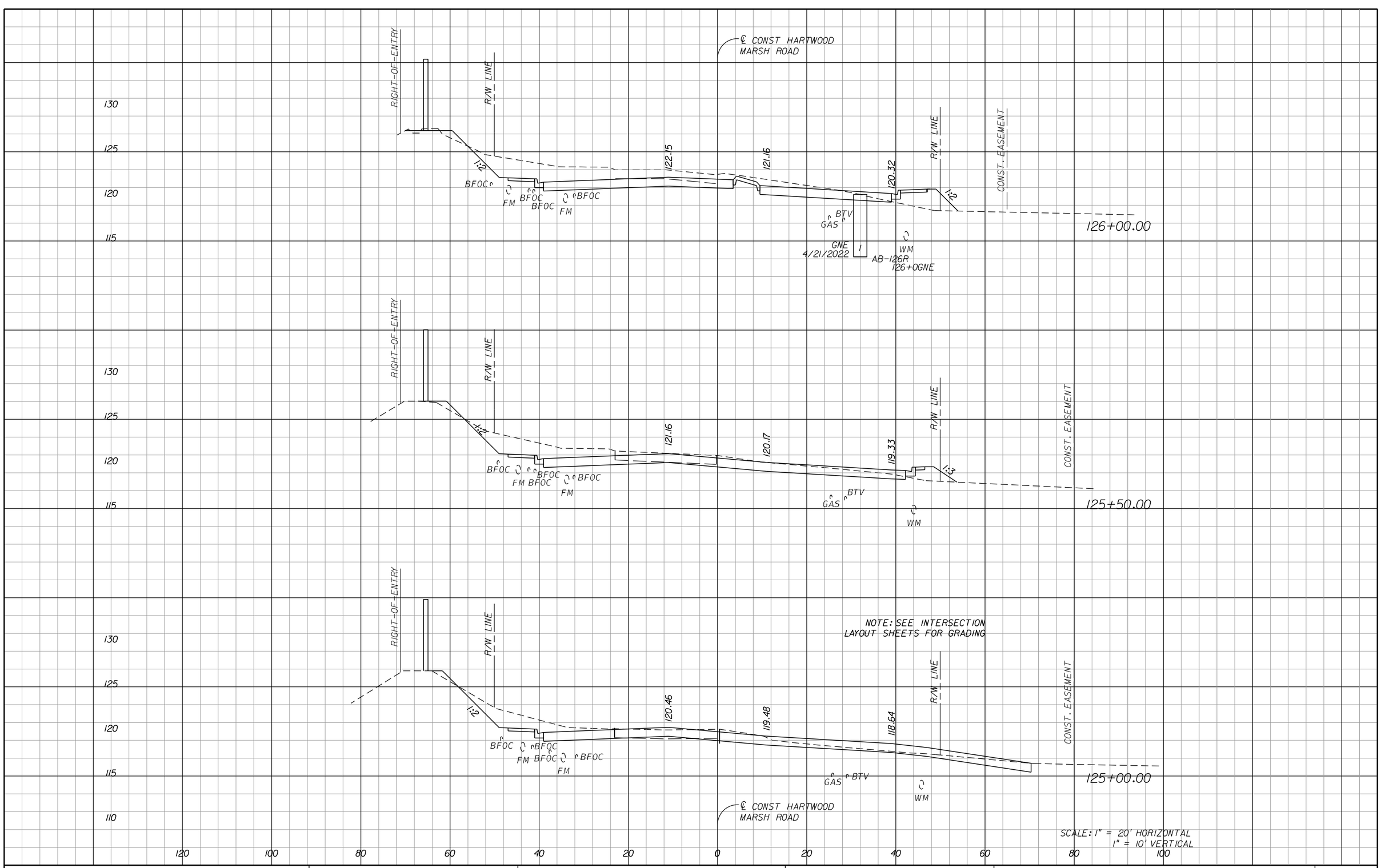
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 127

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SCALE: 1" = 20' HORIZONTAL
1" = 10' VERTICAL

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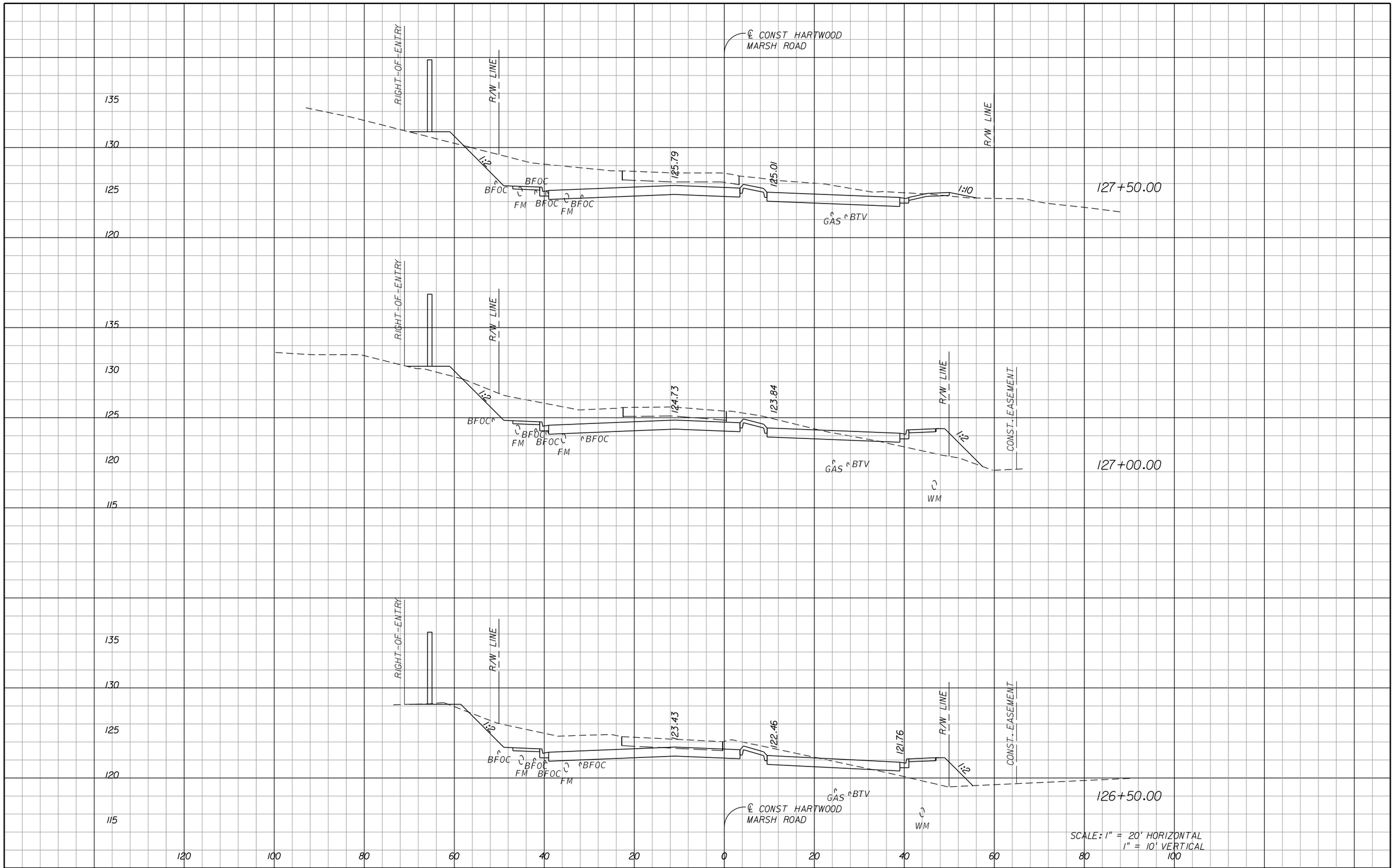
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
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LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

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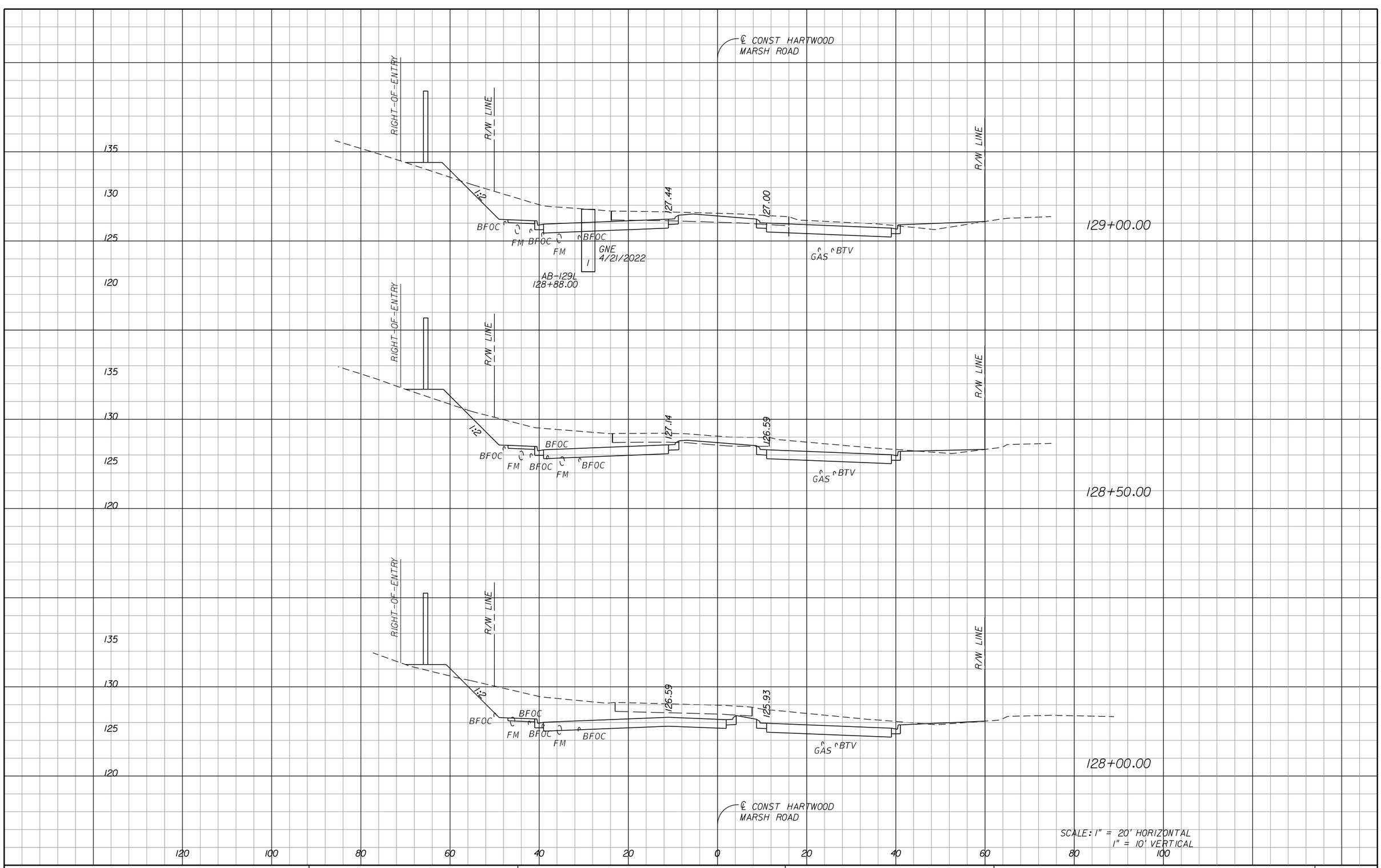
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 129



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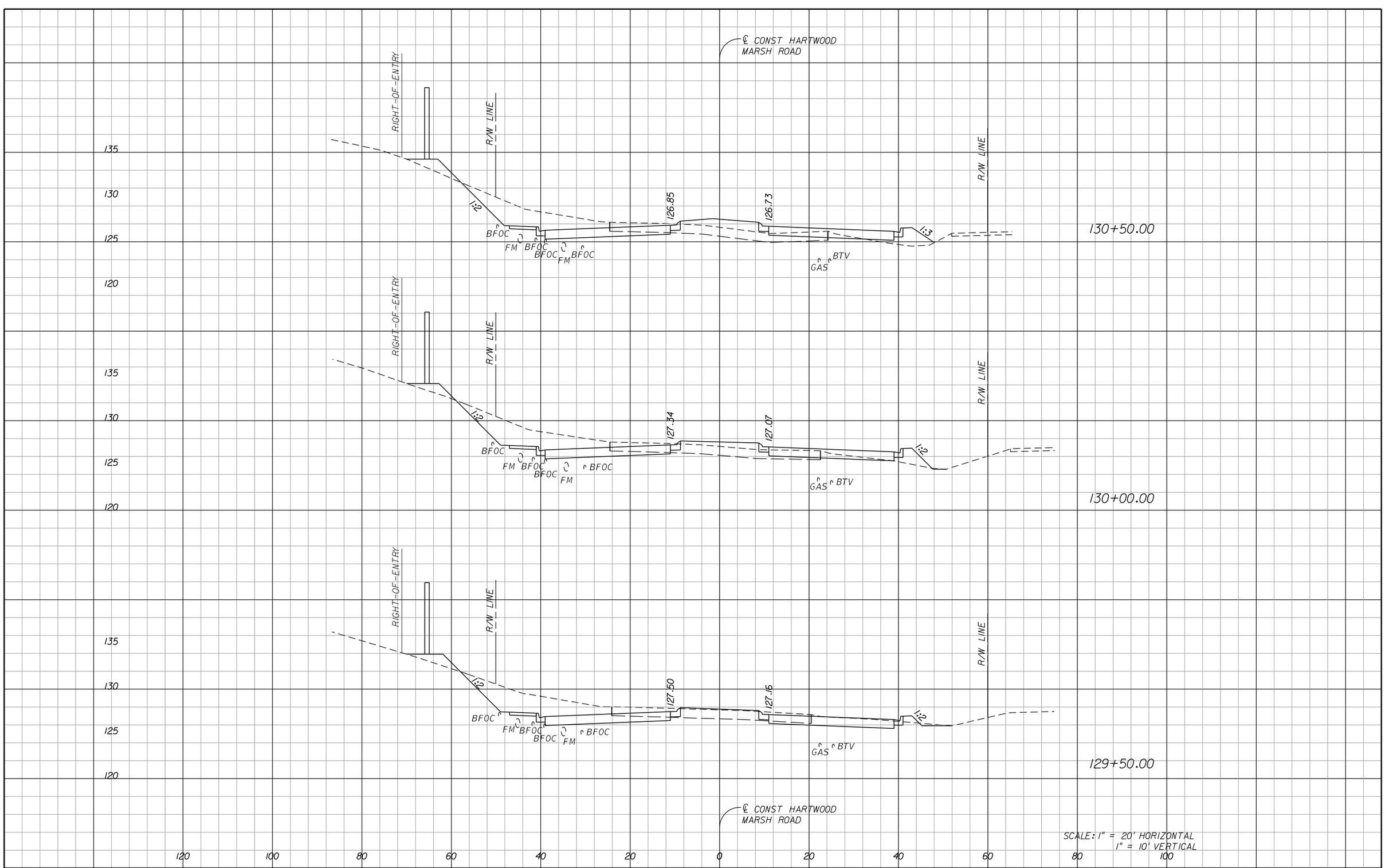
LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 130

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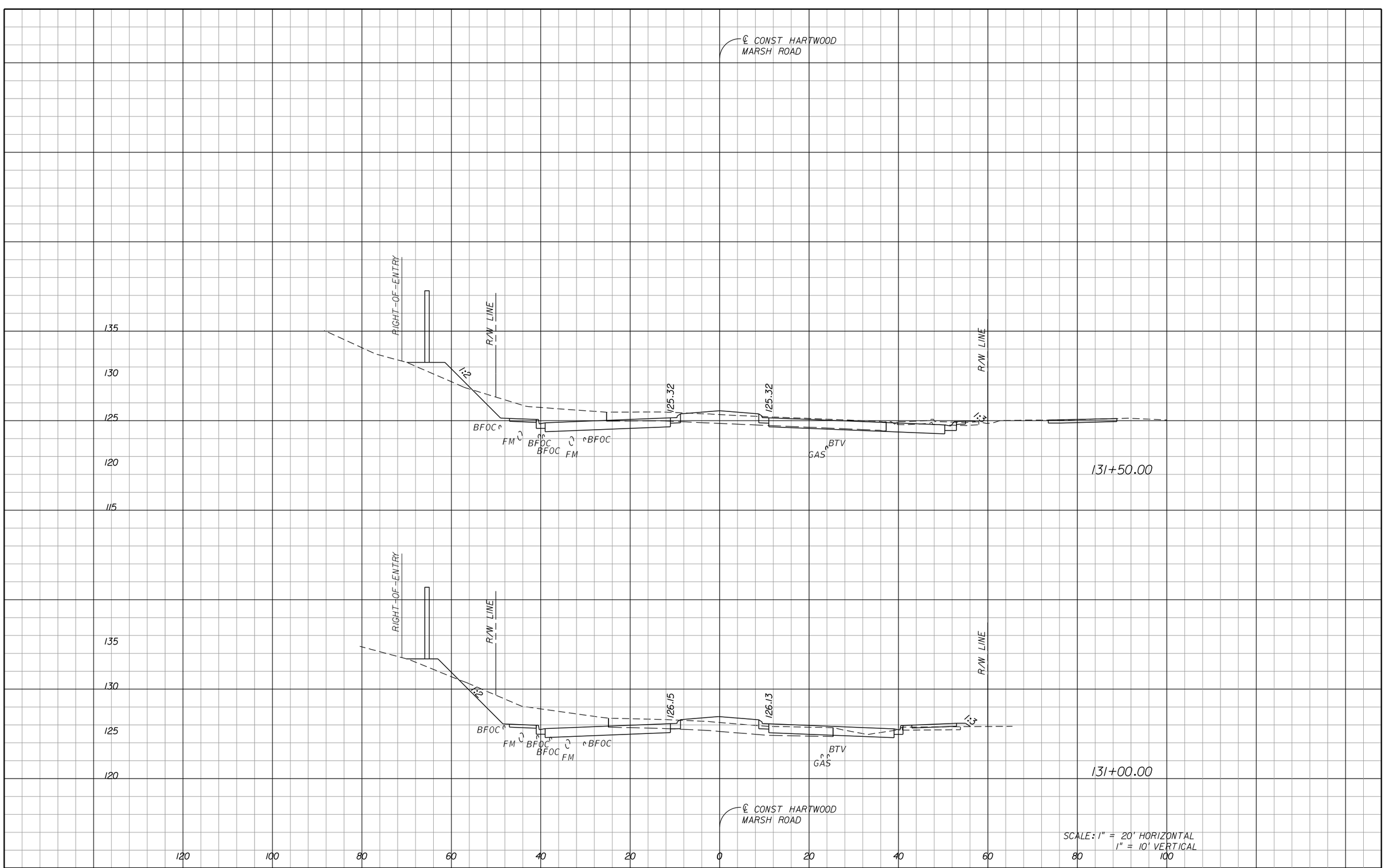
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 131



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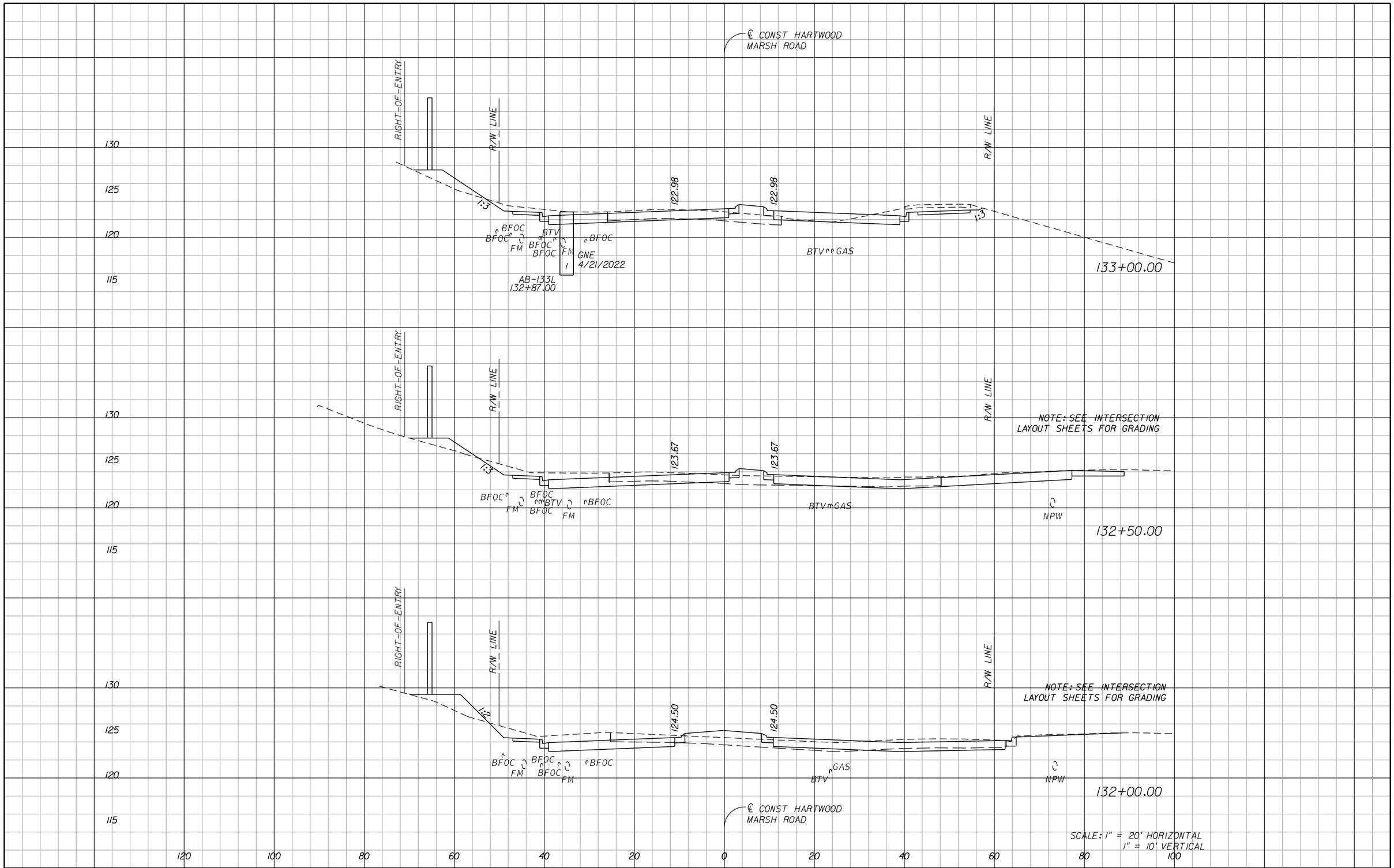
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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 132



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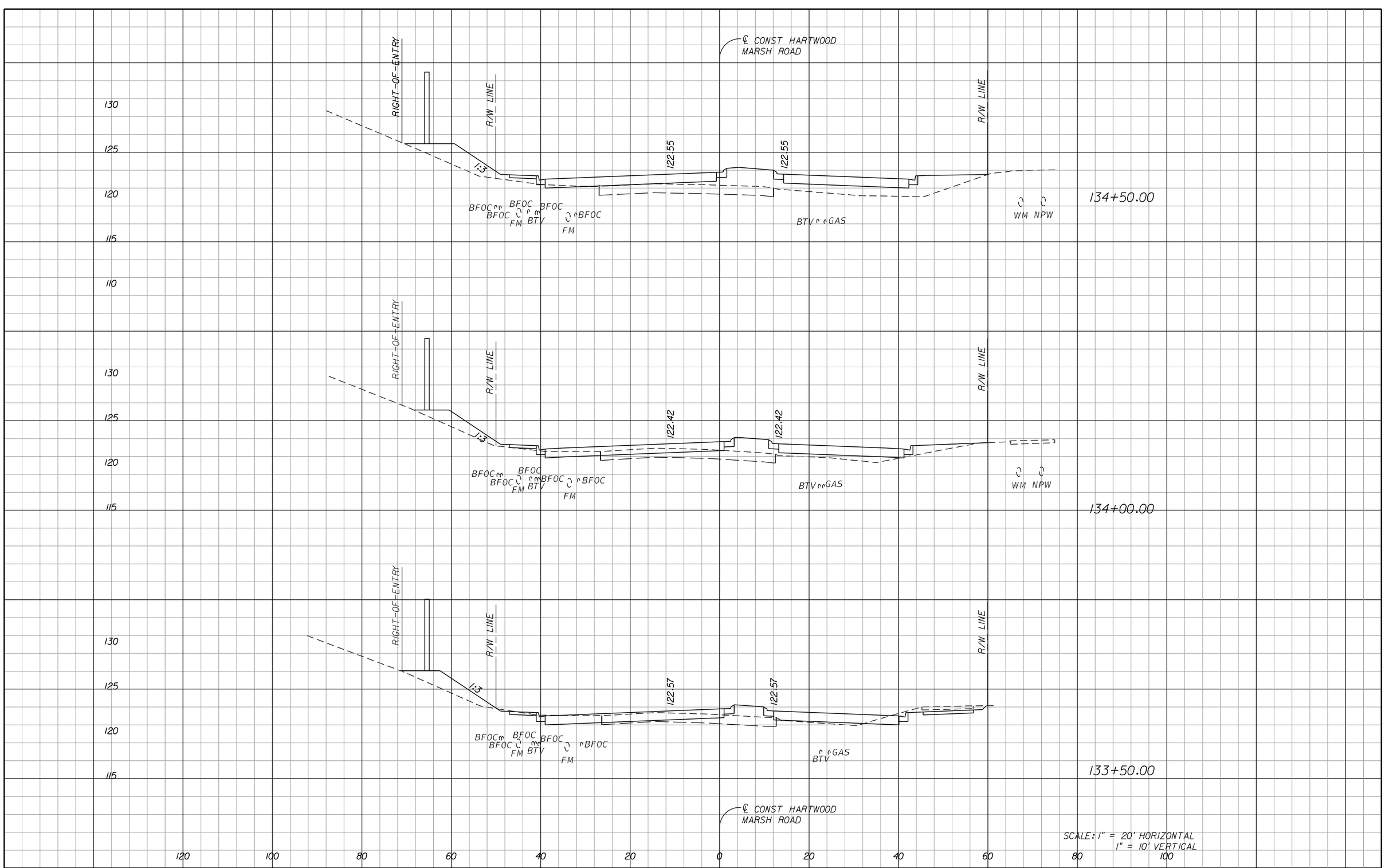
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 133

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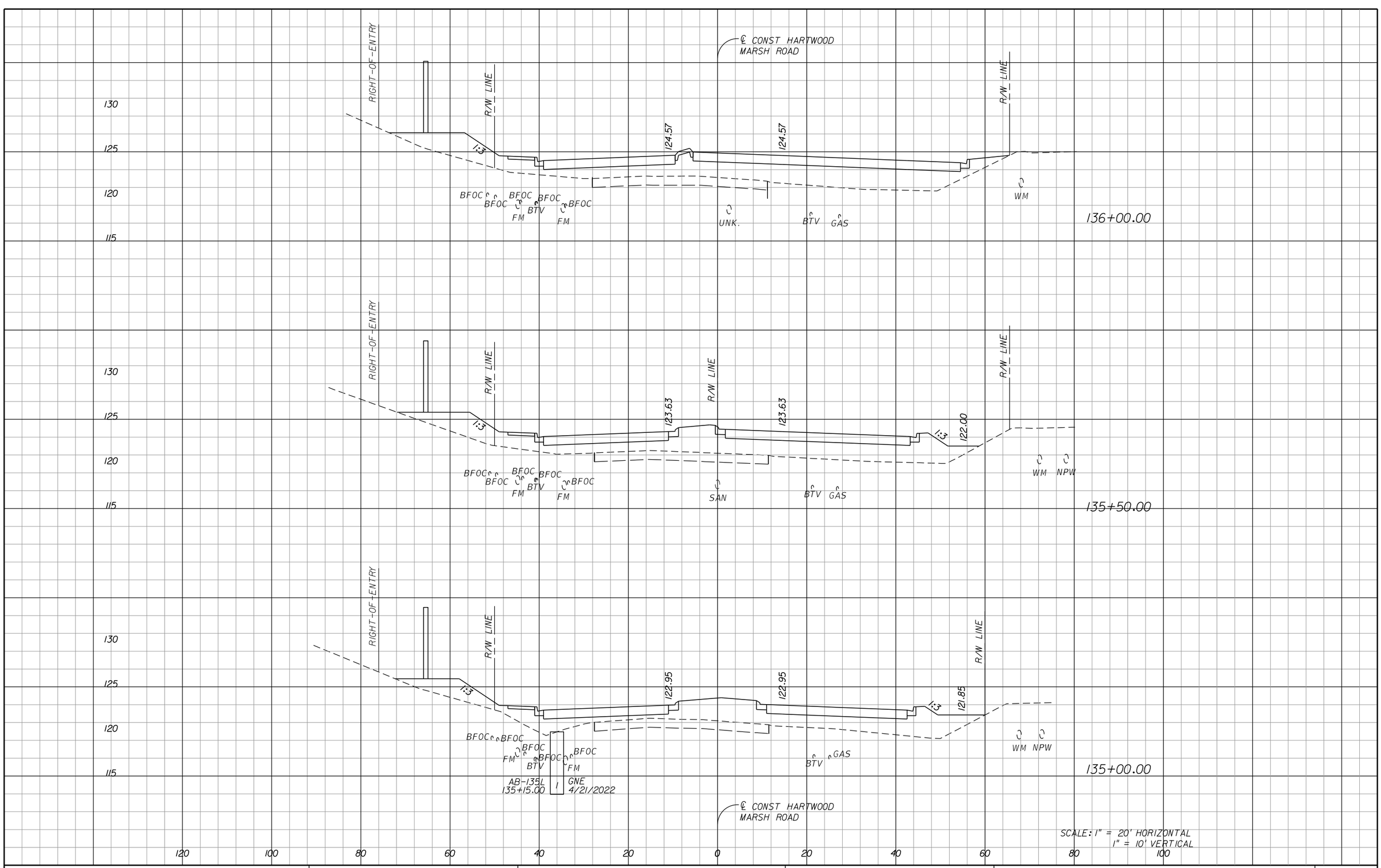
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 134



REVISIONS		
DATE	BY	DESCRIPTION

OM Engineering Services, Inc.
Civil • Structural • Inspections

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PHONE NO. (407) 704-7815
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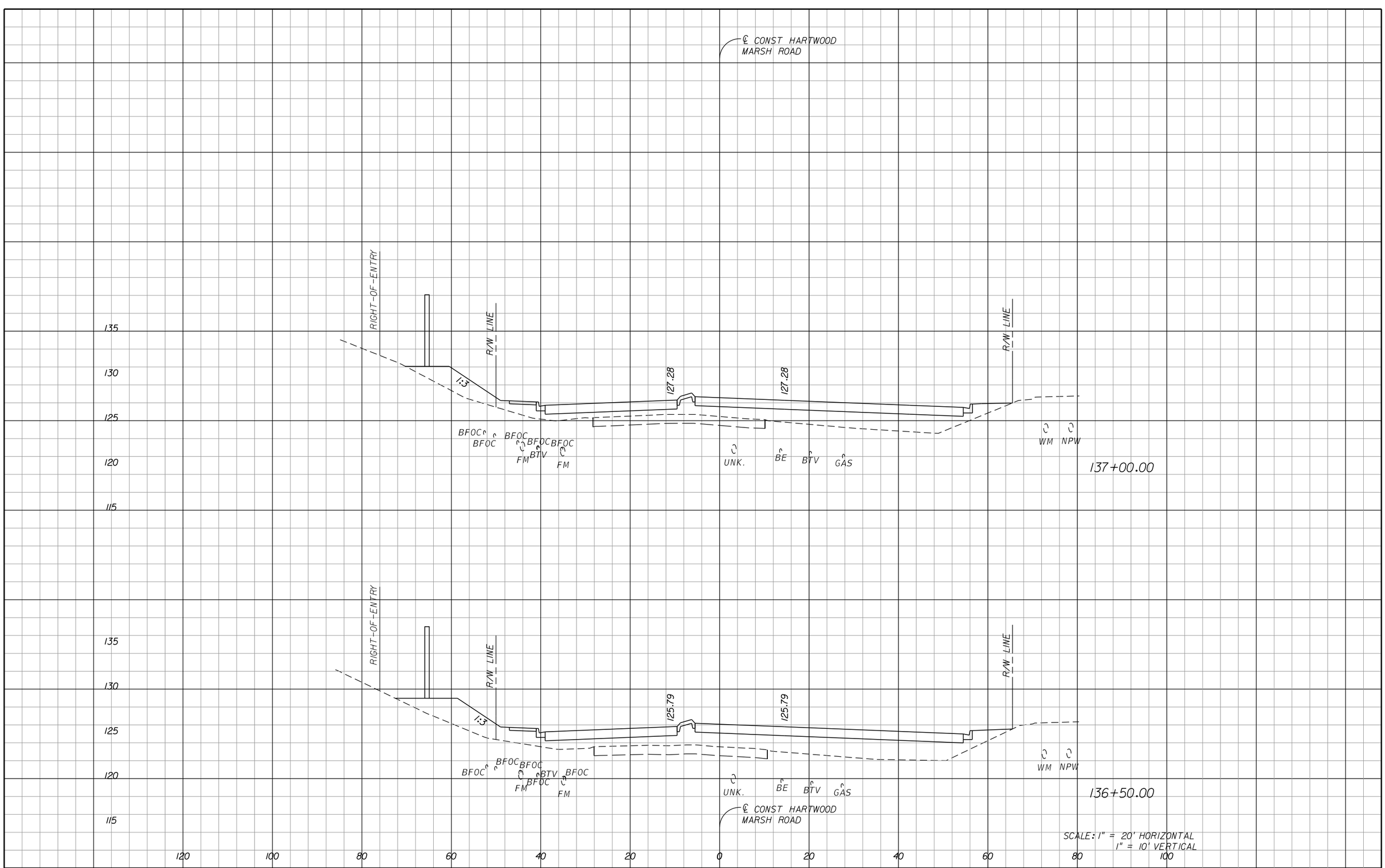
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 135

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DATE	BY	DESCRIPTION

OM Engineering Services, Inc.
Civil • Structural • Inspections

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ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

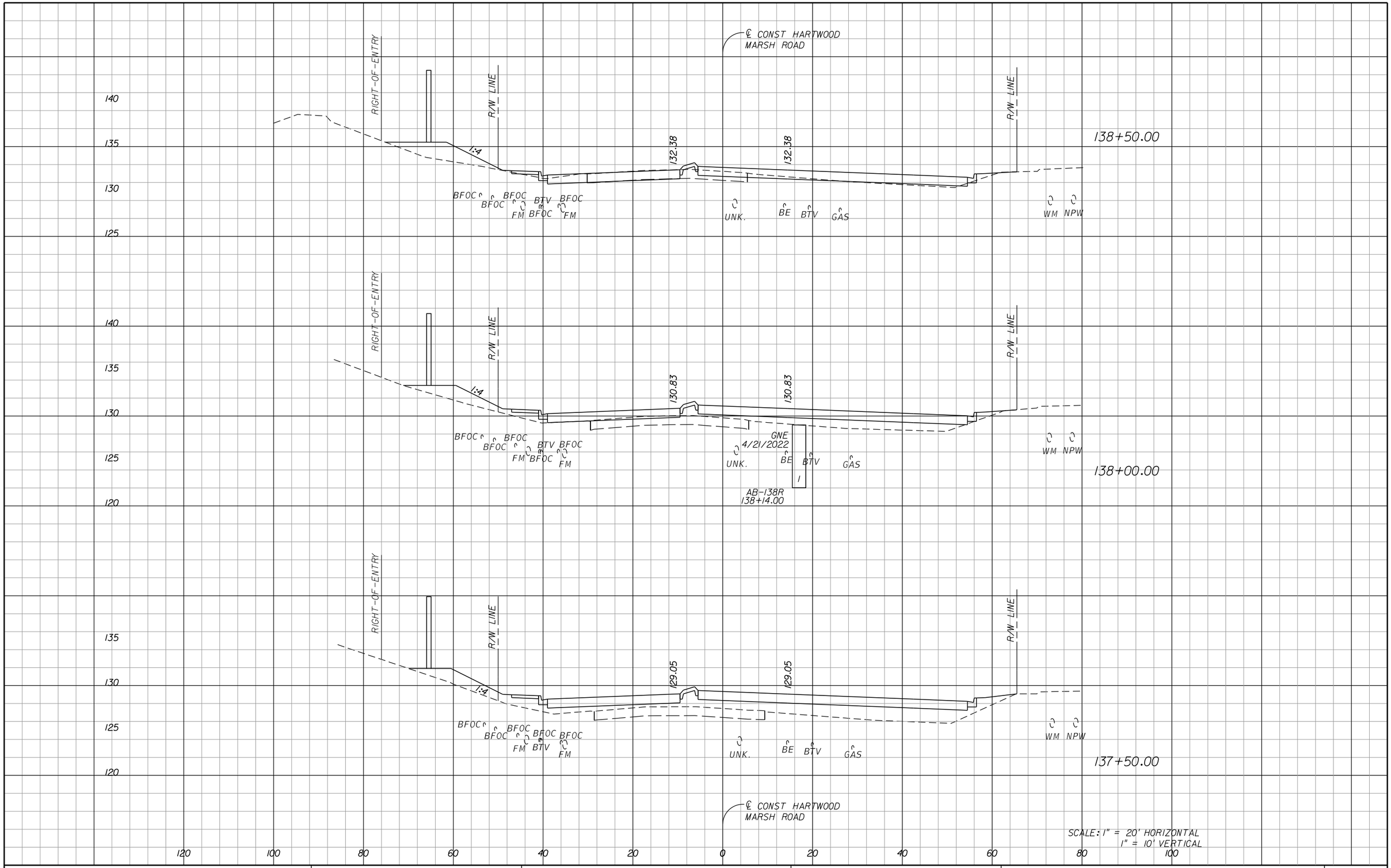
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 136

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 137

℄ CONST HARTWOOD MARSH ROAD

NOTE: SEE INTERSECTION LAYOUT SHEETS FOR GRADING

140
135
130
125

135.65 135.65

BFOC BFOC BFOC FM FM UNK. BFOC BTV BE WM GAS

140+00.00

R/W LINE

NOTE: SEE INTERSECTION LAYOUT SHEETS FOR GRADING

140
135
130
125

1:2

134.79 134.79

BFOC BFOC BFOC BFOC BE BTV FM BFOC FM UNK. BTV BE WM GAS 1:3 NPW

139+50.00

RIGHT-OF-ENTRY

R/W LINE

R/W LINE

140
135
130
125

1:4

133.70 133.70

BFOC BFOC BFOC BFOC BFOC BTV FM BFOC UNK. BE BTV GAS WM WM NPW

139+00.00

℄ CONST HARTWOOD MARSH ROAD

120 100 80 60 40 20 0 20 40 60 80 100

SCALE: 1" = 20' HORIZONTAL
1" = 10' VERTICAL

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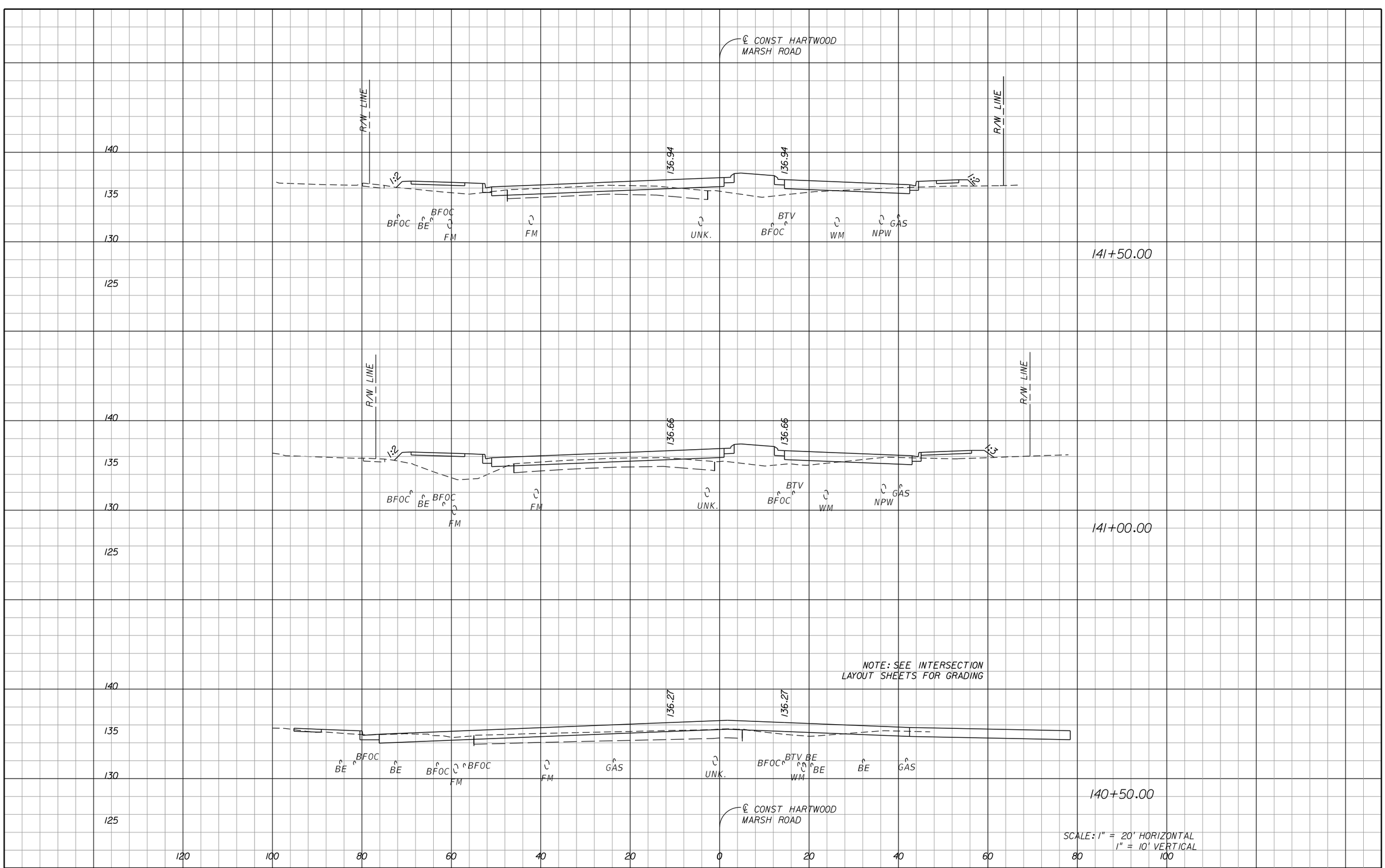
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS
HARTWOOD MARSH ROAD

SHEET NO. 138



REVISIONS		
DATE	BY	DESCRIPTION

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Civil • Structural • Inspections

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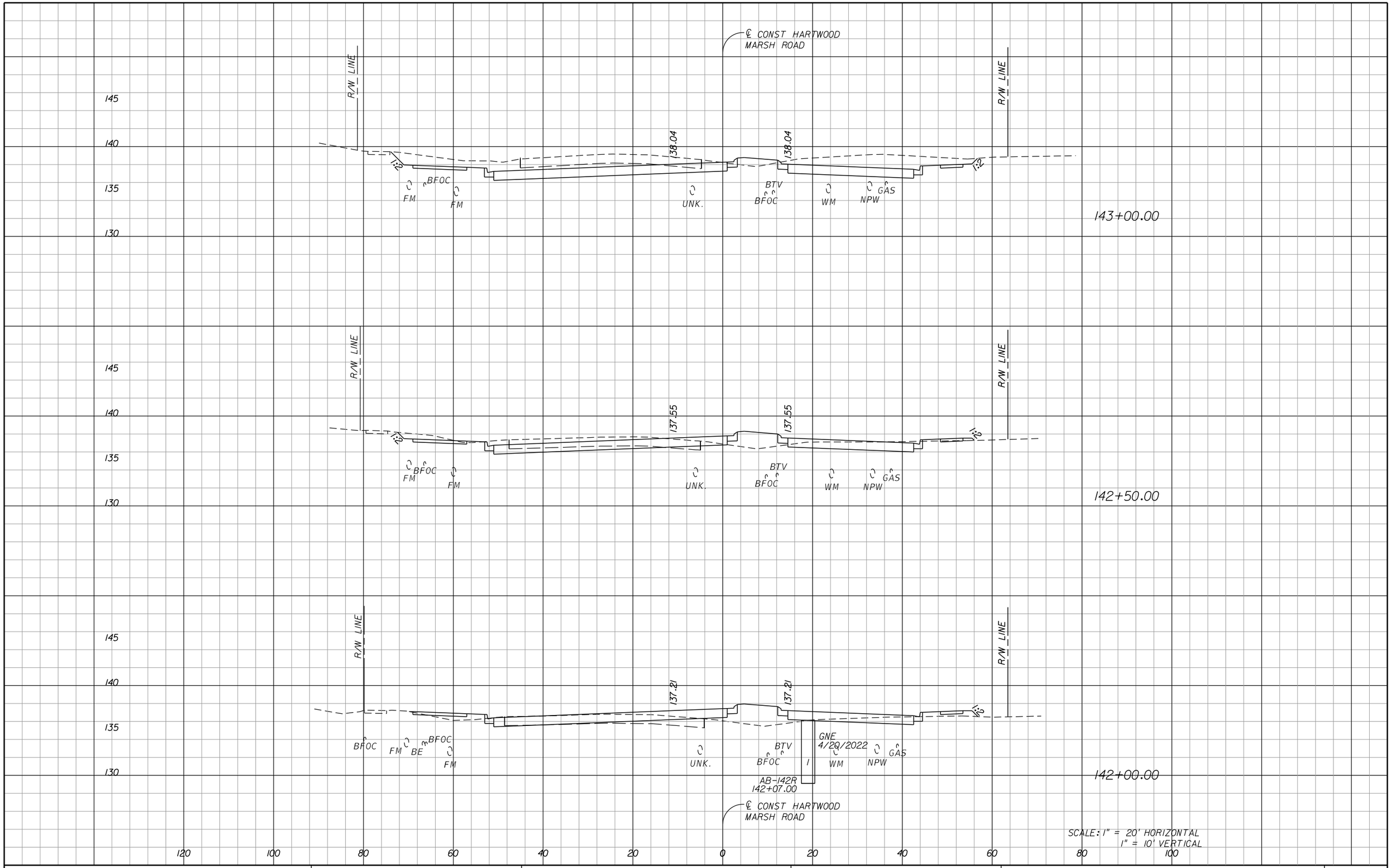
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 139

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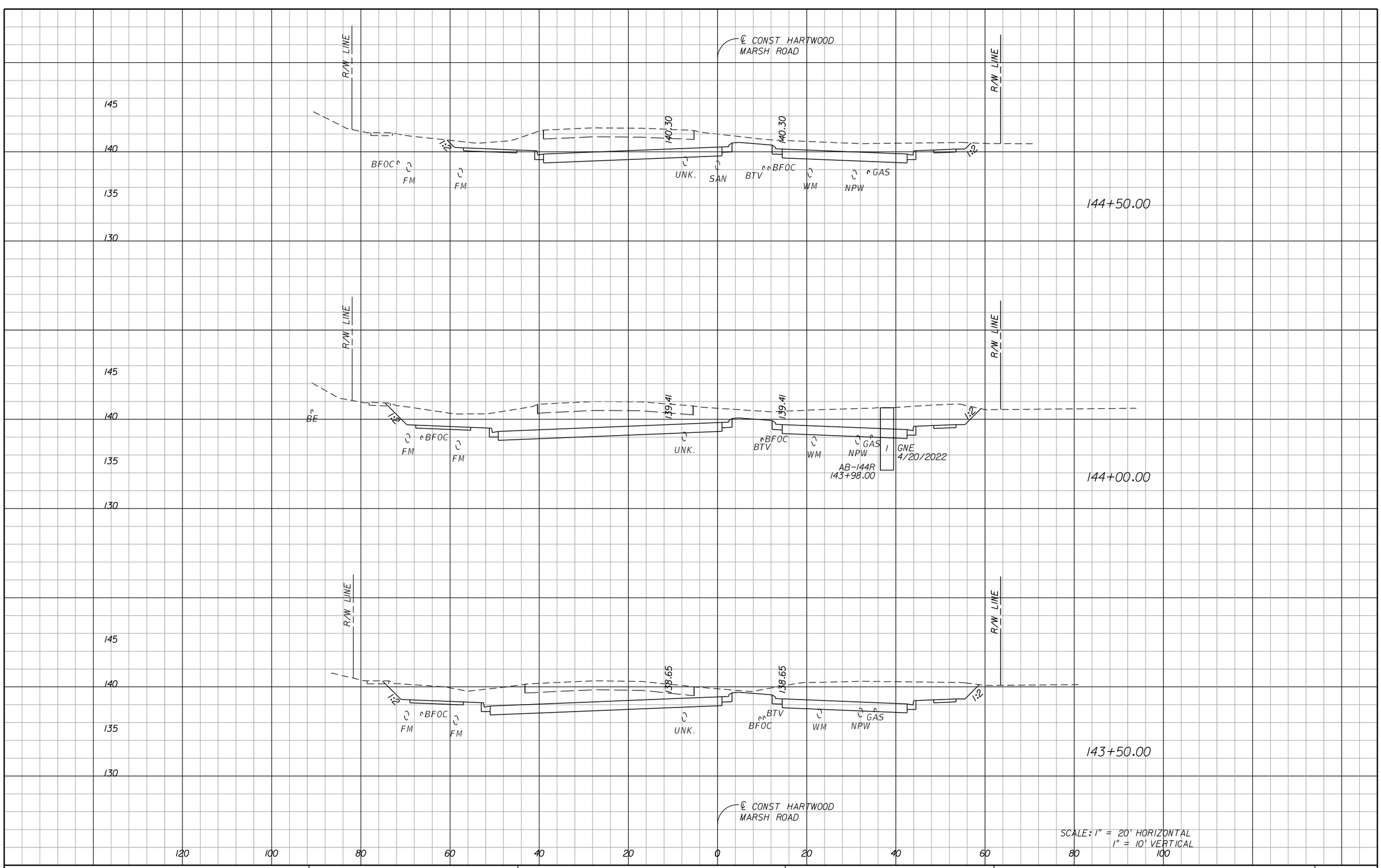
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 140

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SCALE: 1" = 20' HORIZONTAL
1" = 10' VERTICAL

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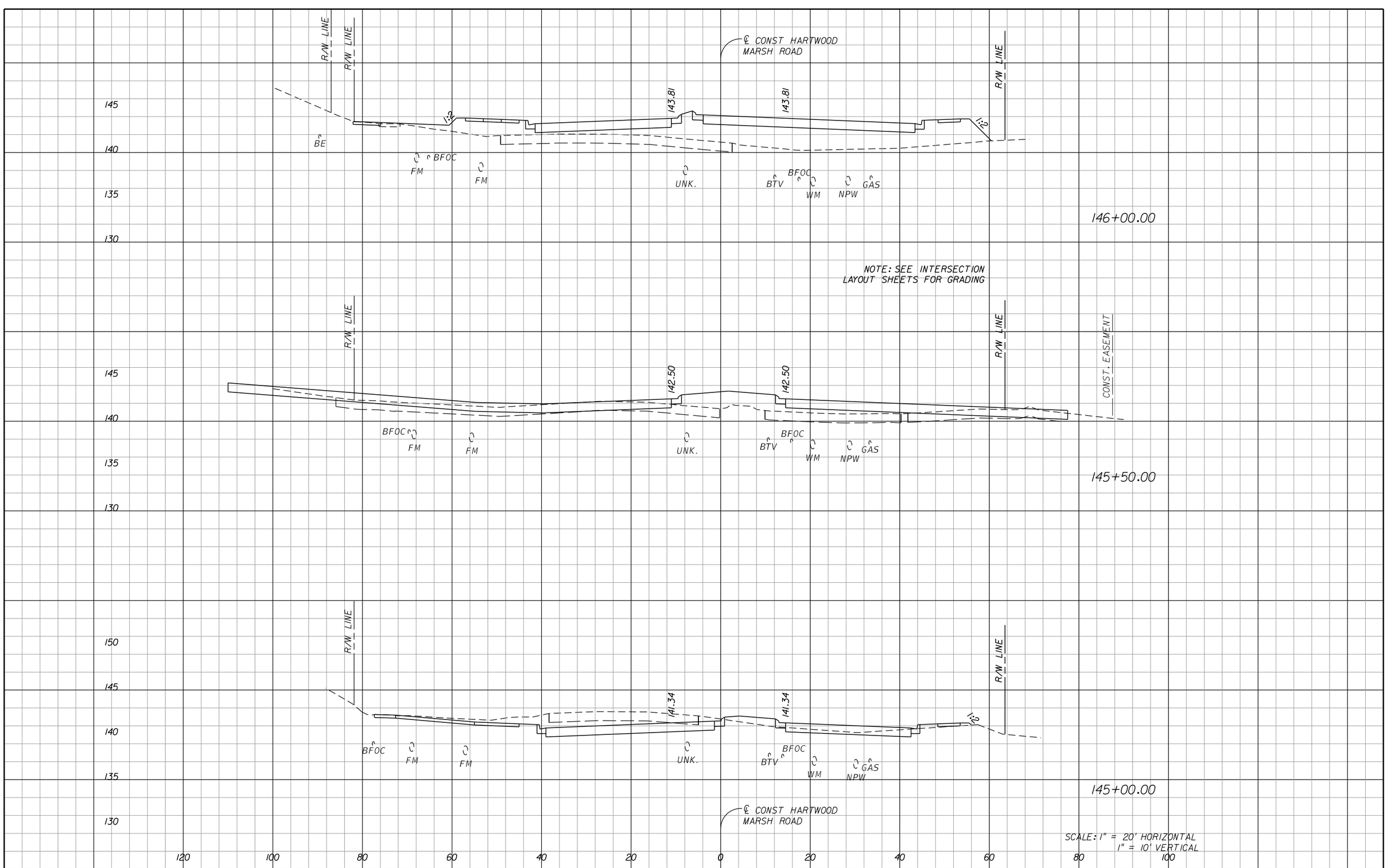
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

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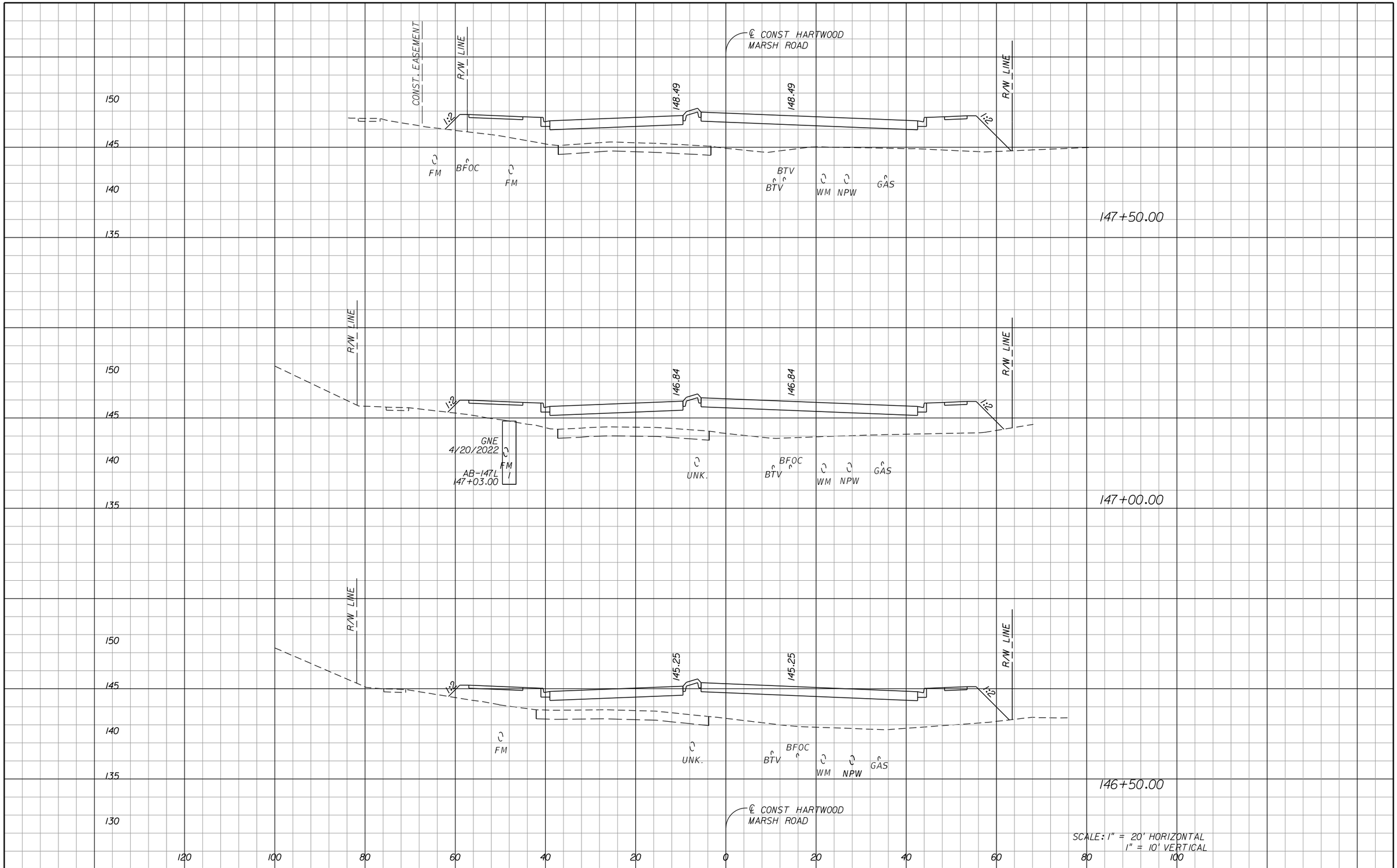
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

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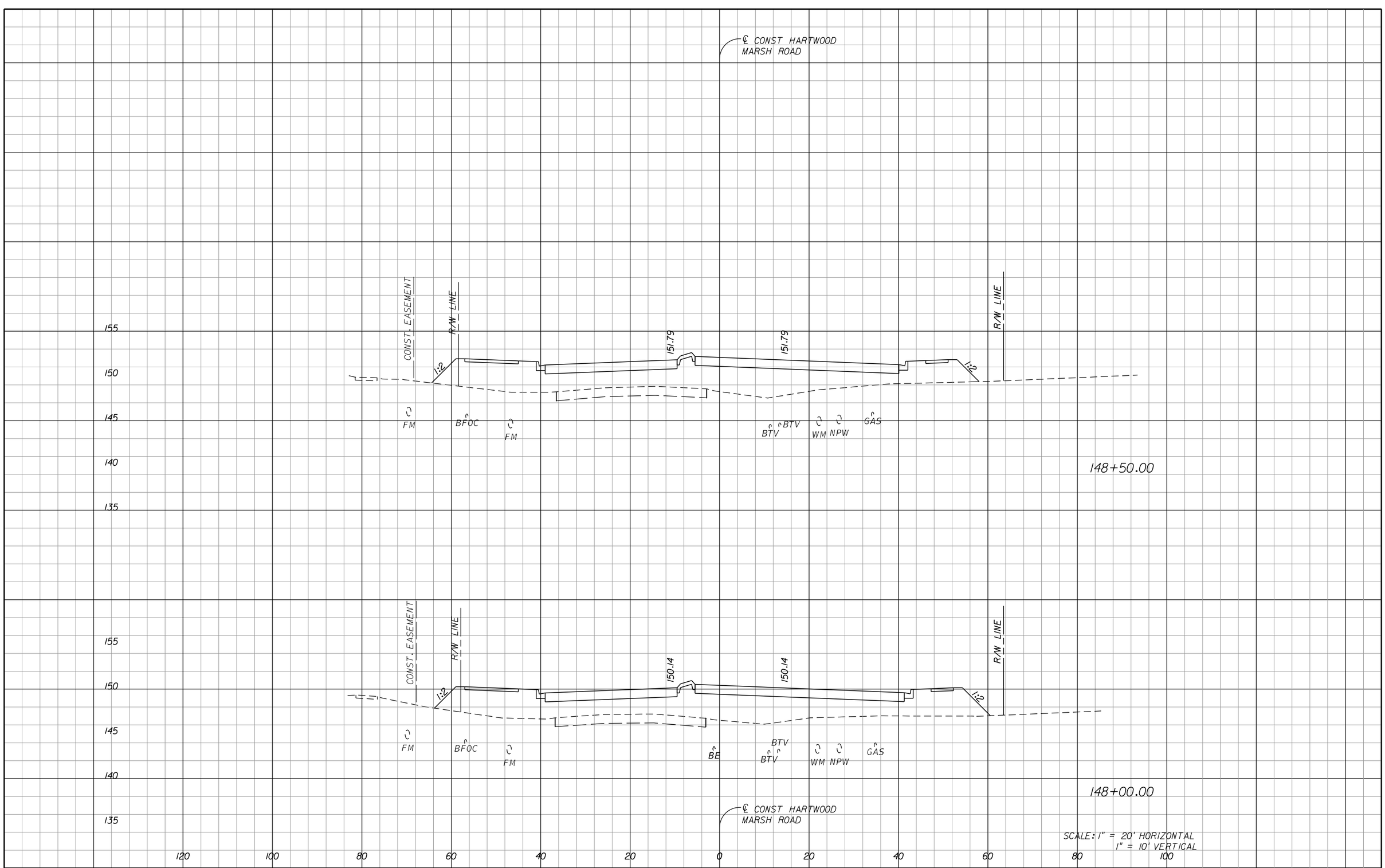
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

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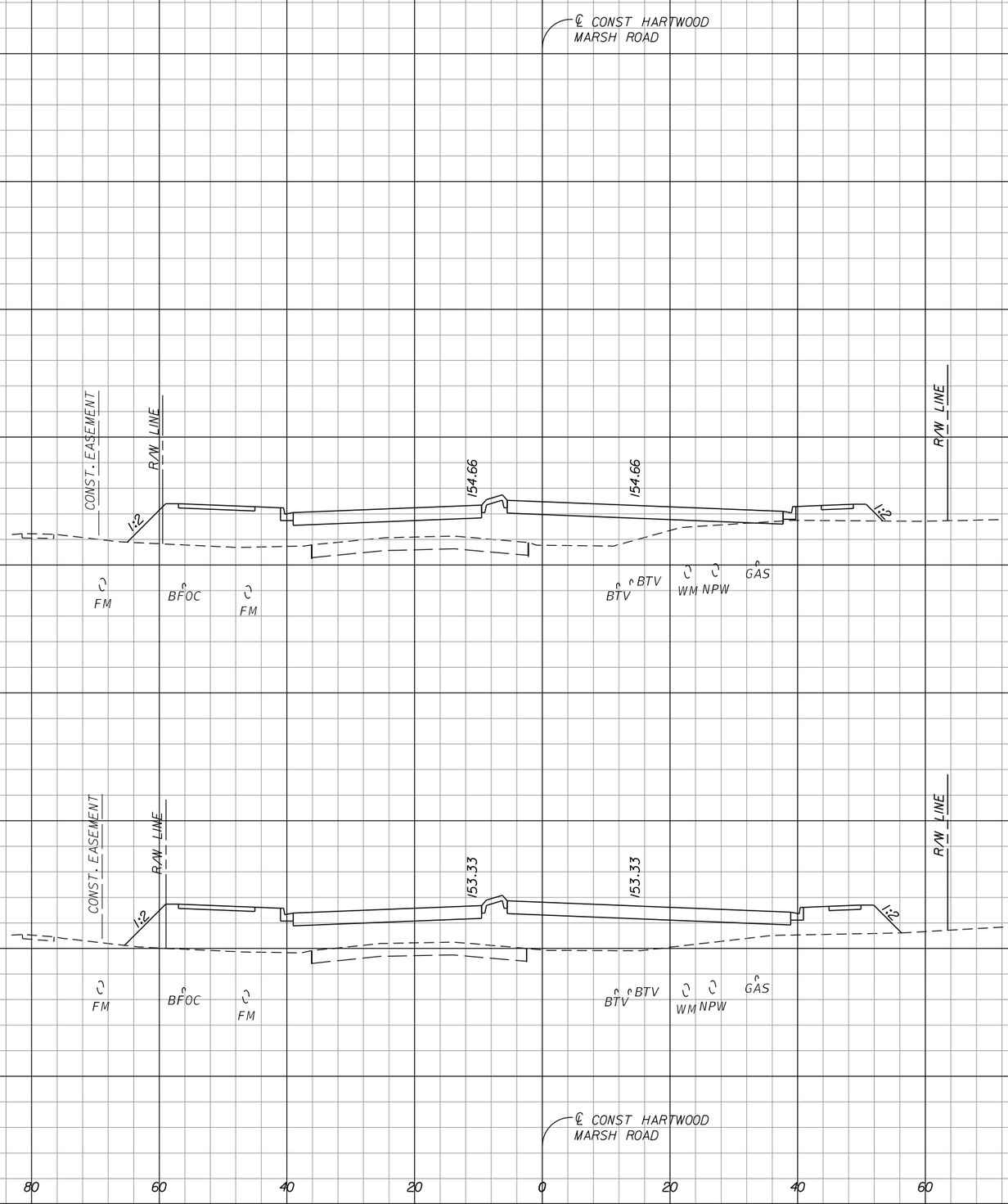
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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS
HARTWOOD MARSH ROAD

SHEET NO.
144



REVISIONS		
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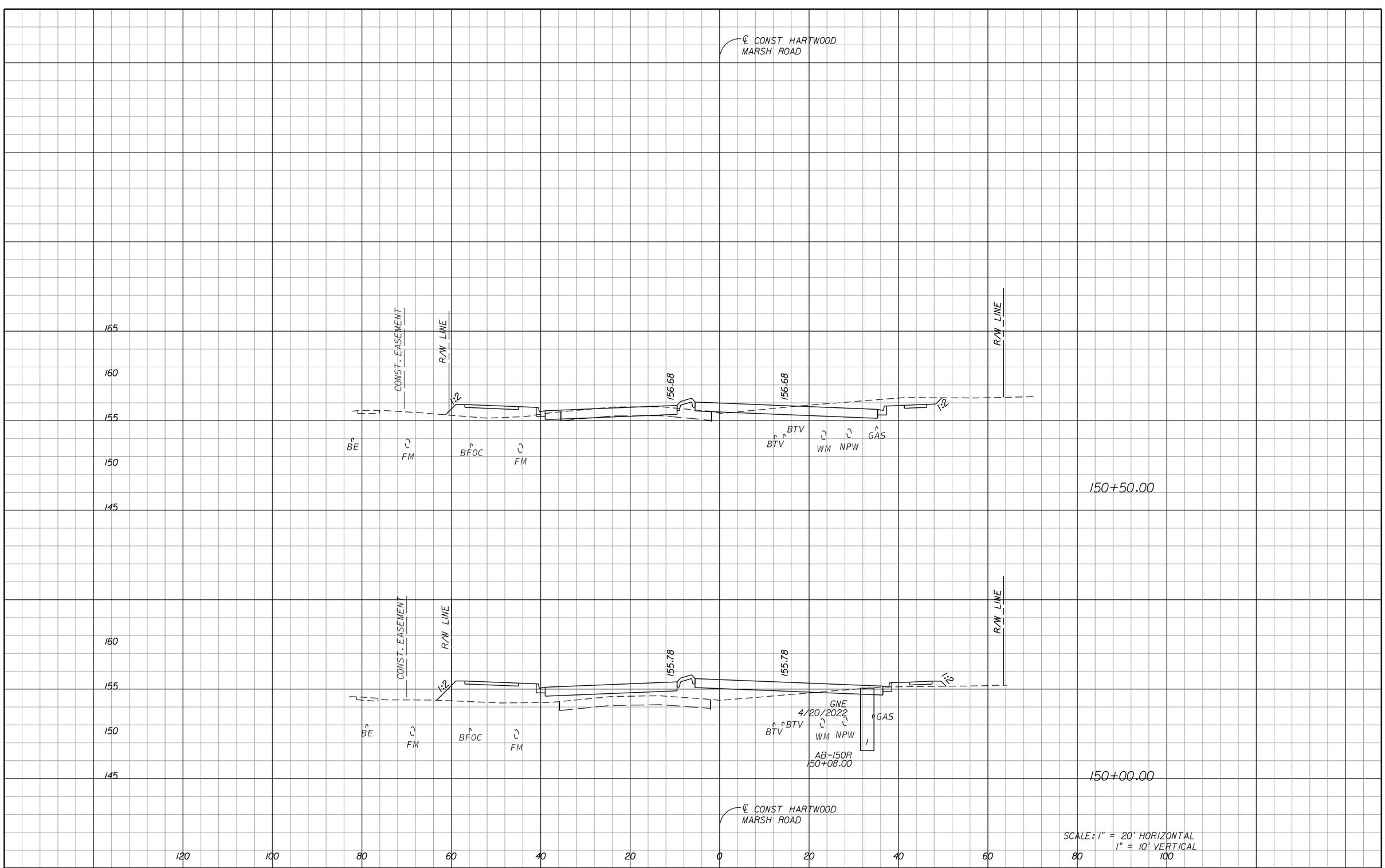
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 145

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DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

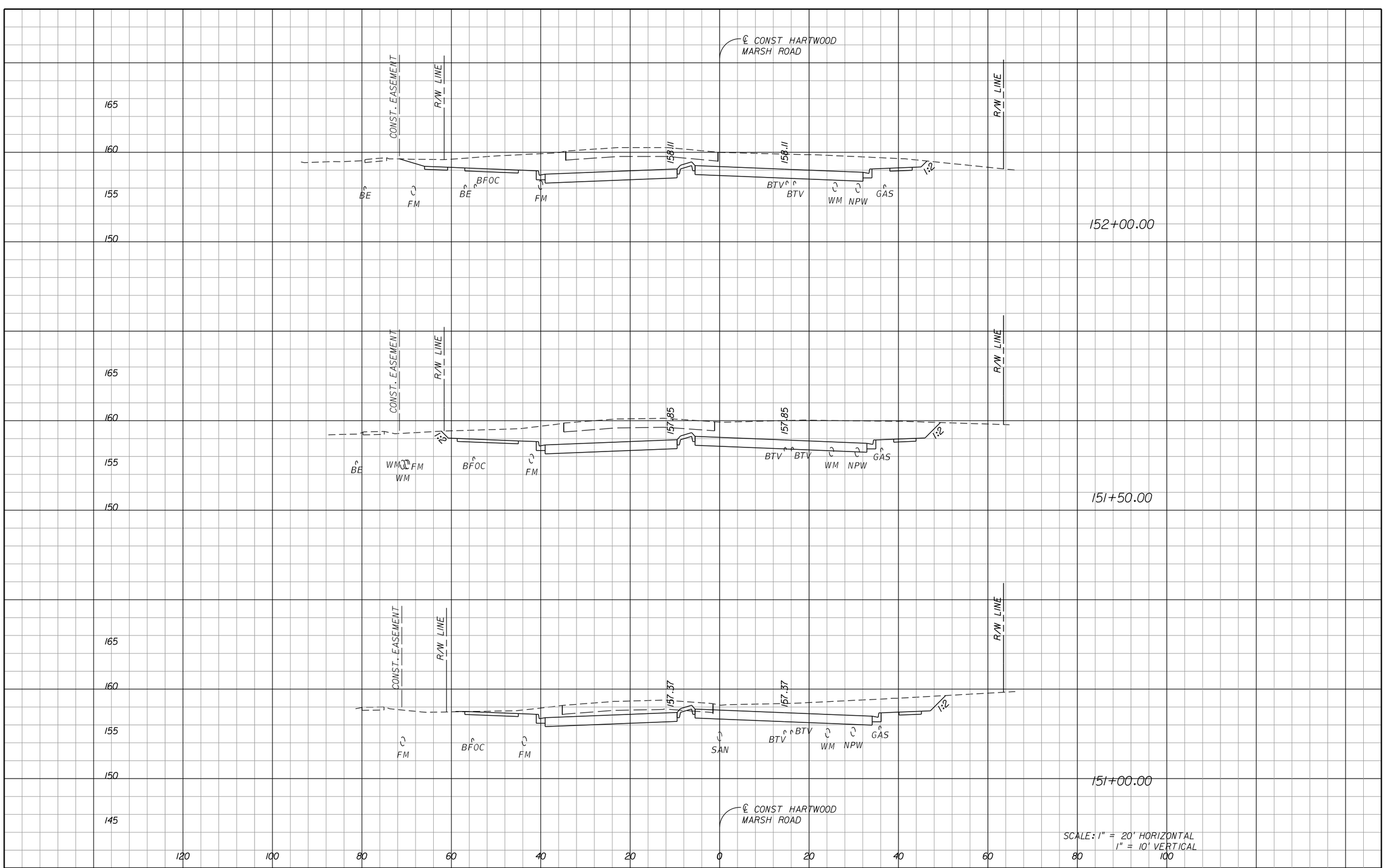
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
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LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 146



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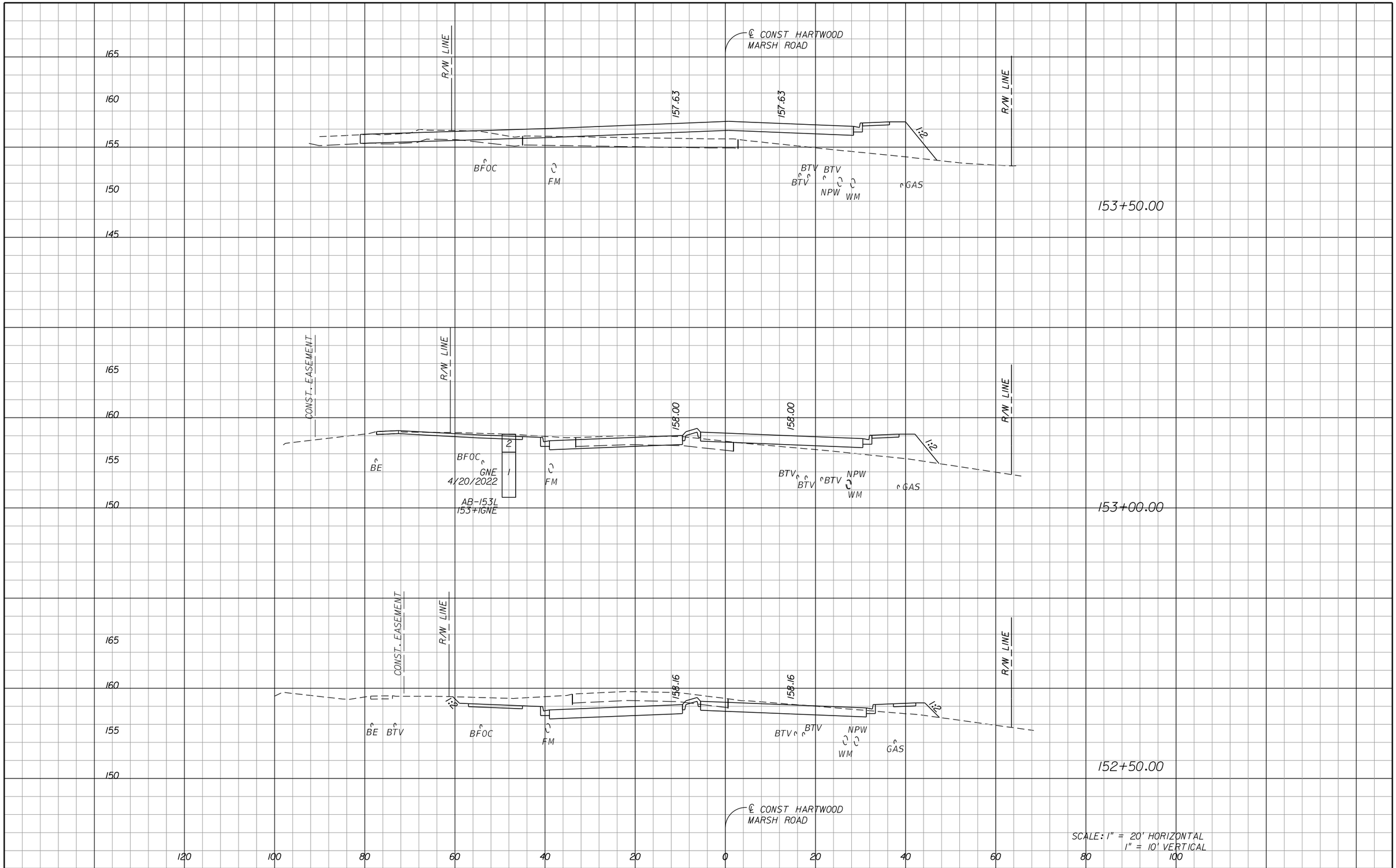
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HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

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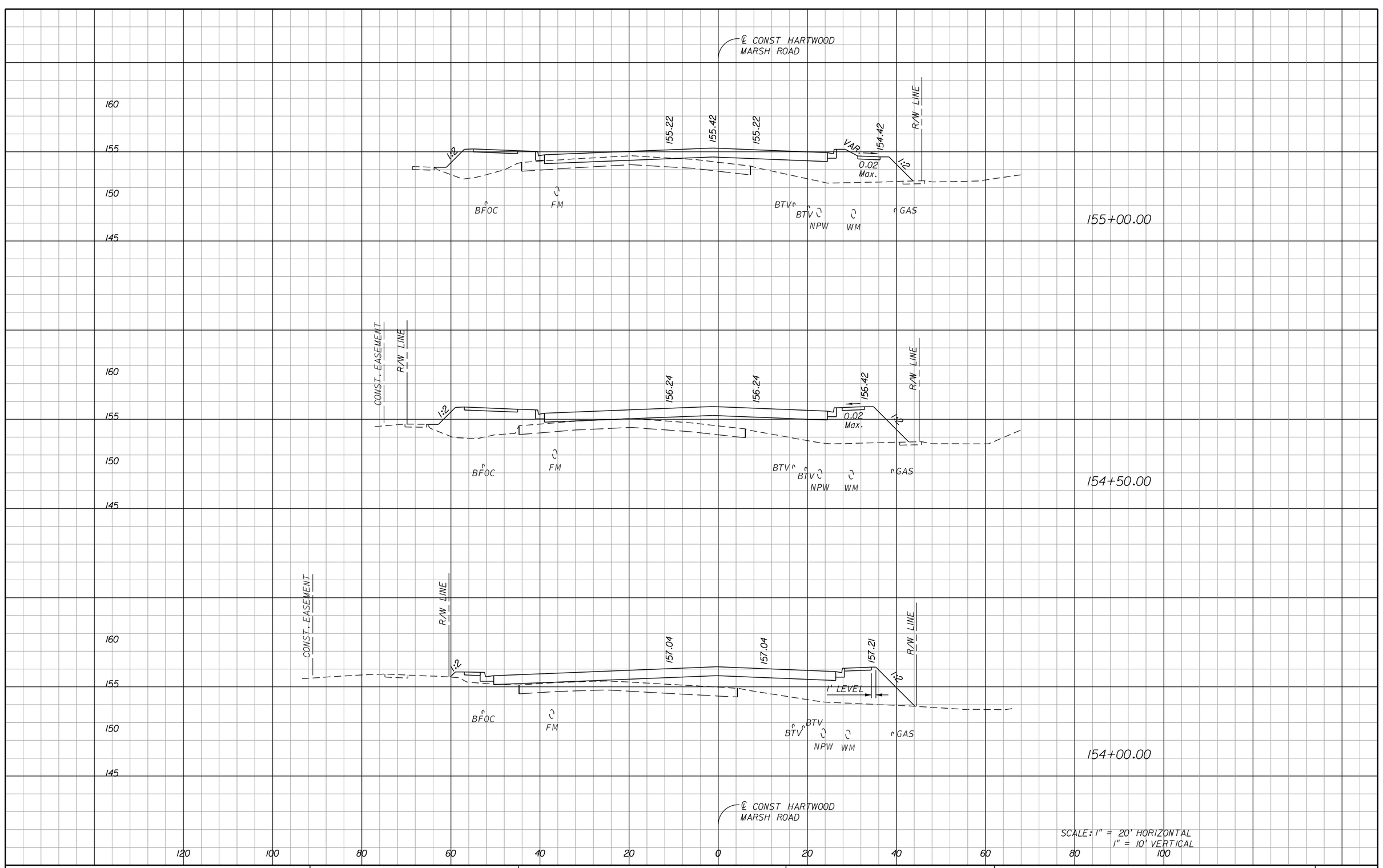
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HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

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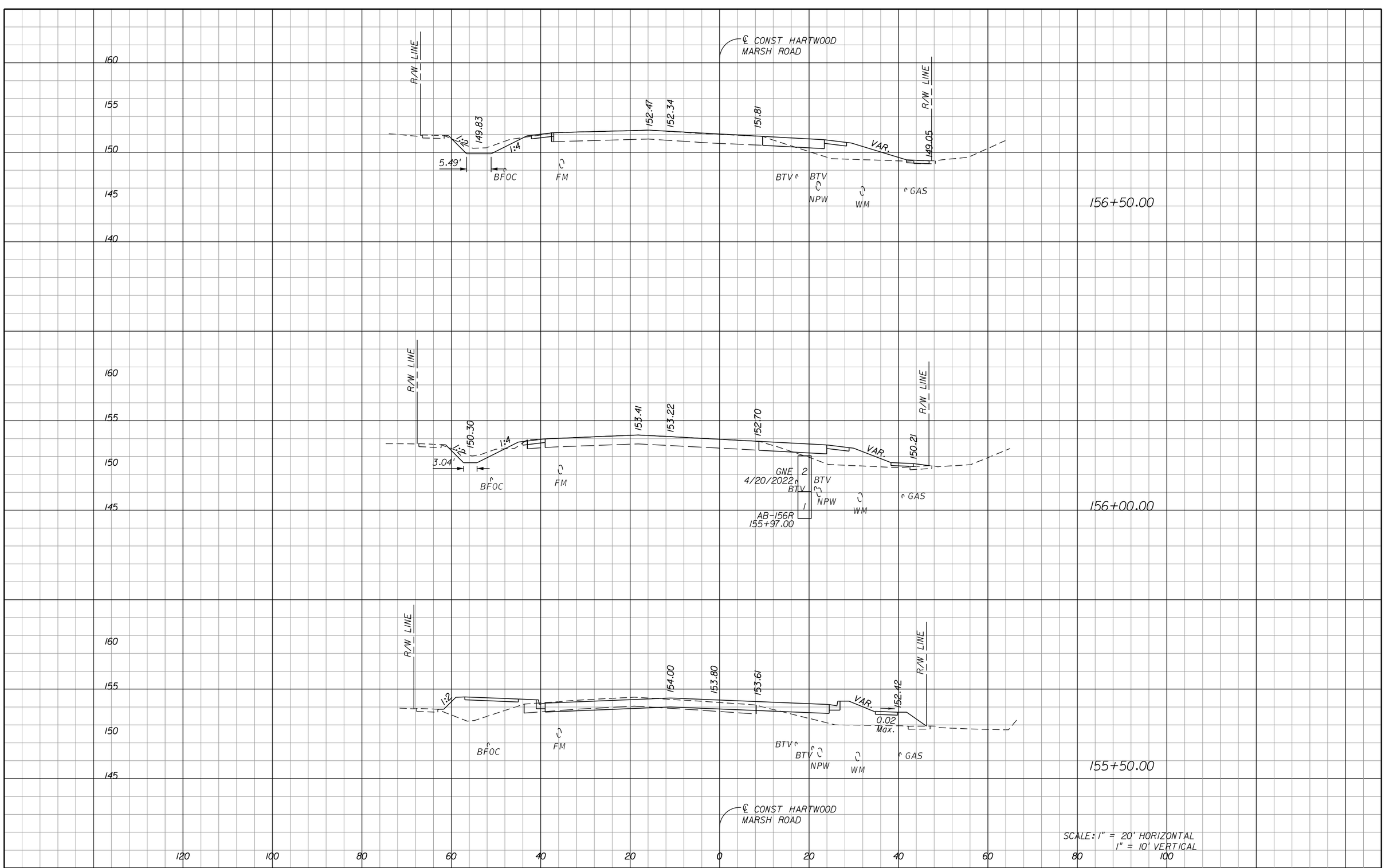
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LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 149



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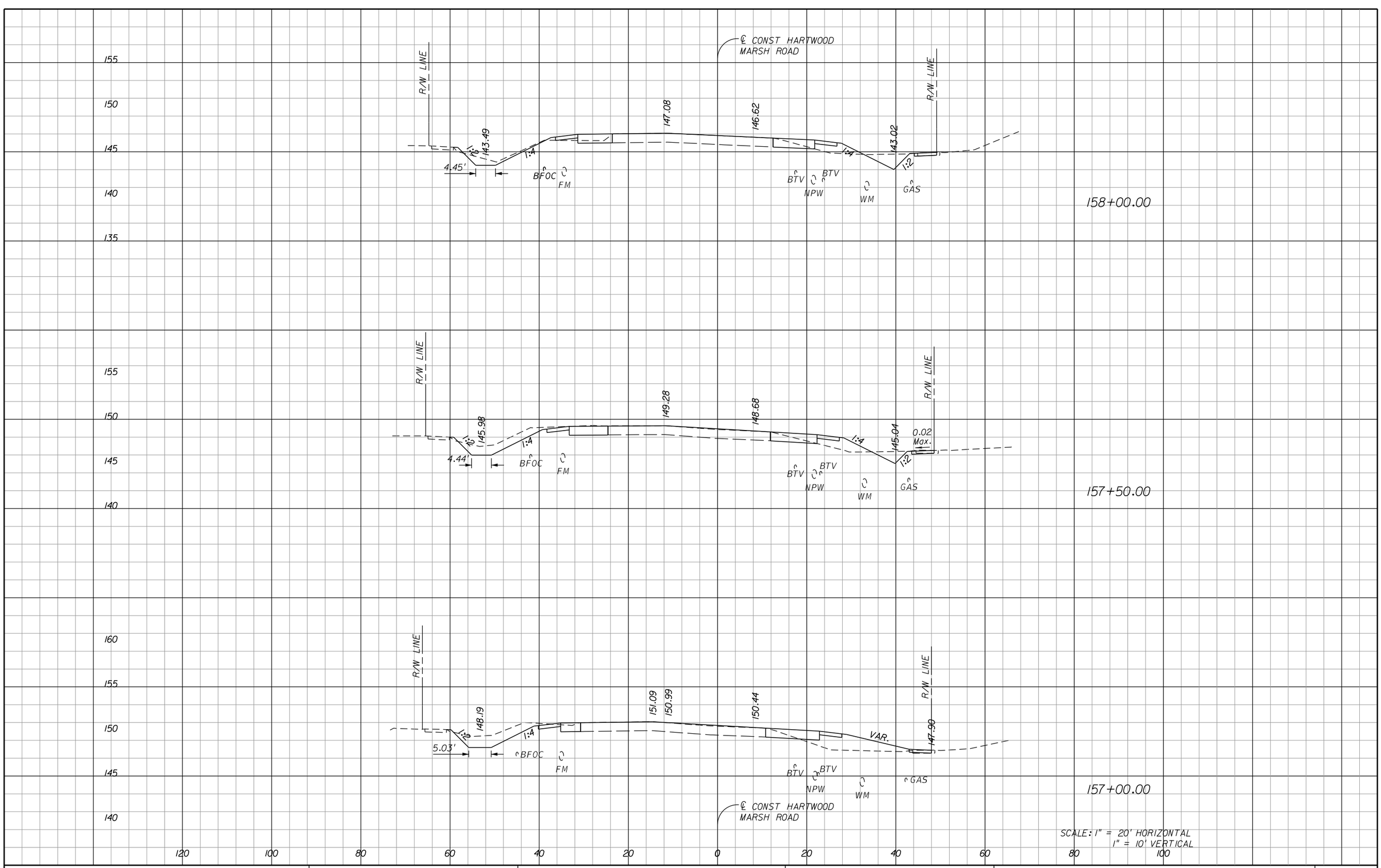
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REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 150

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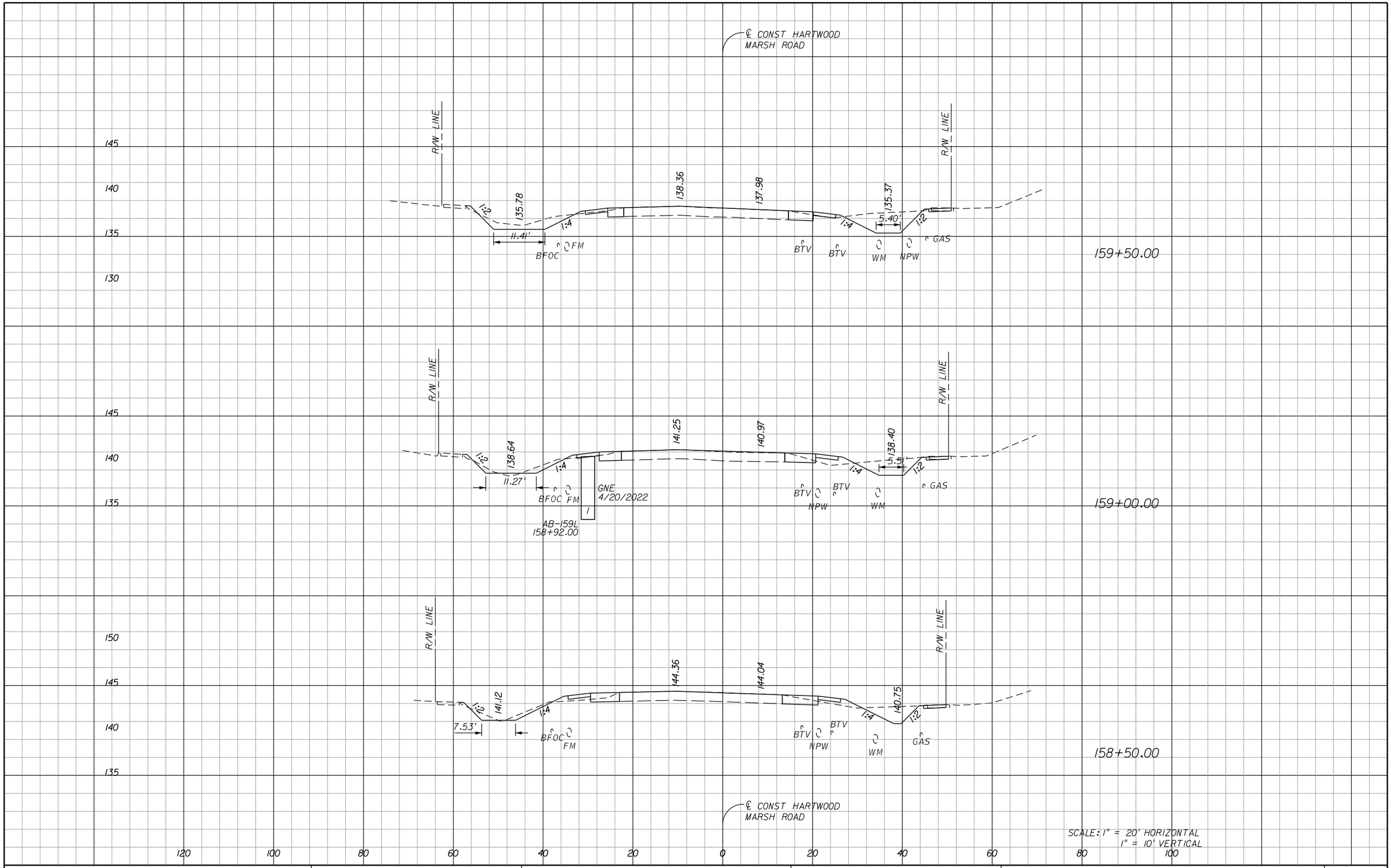
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HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

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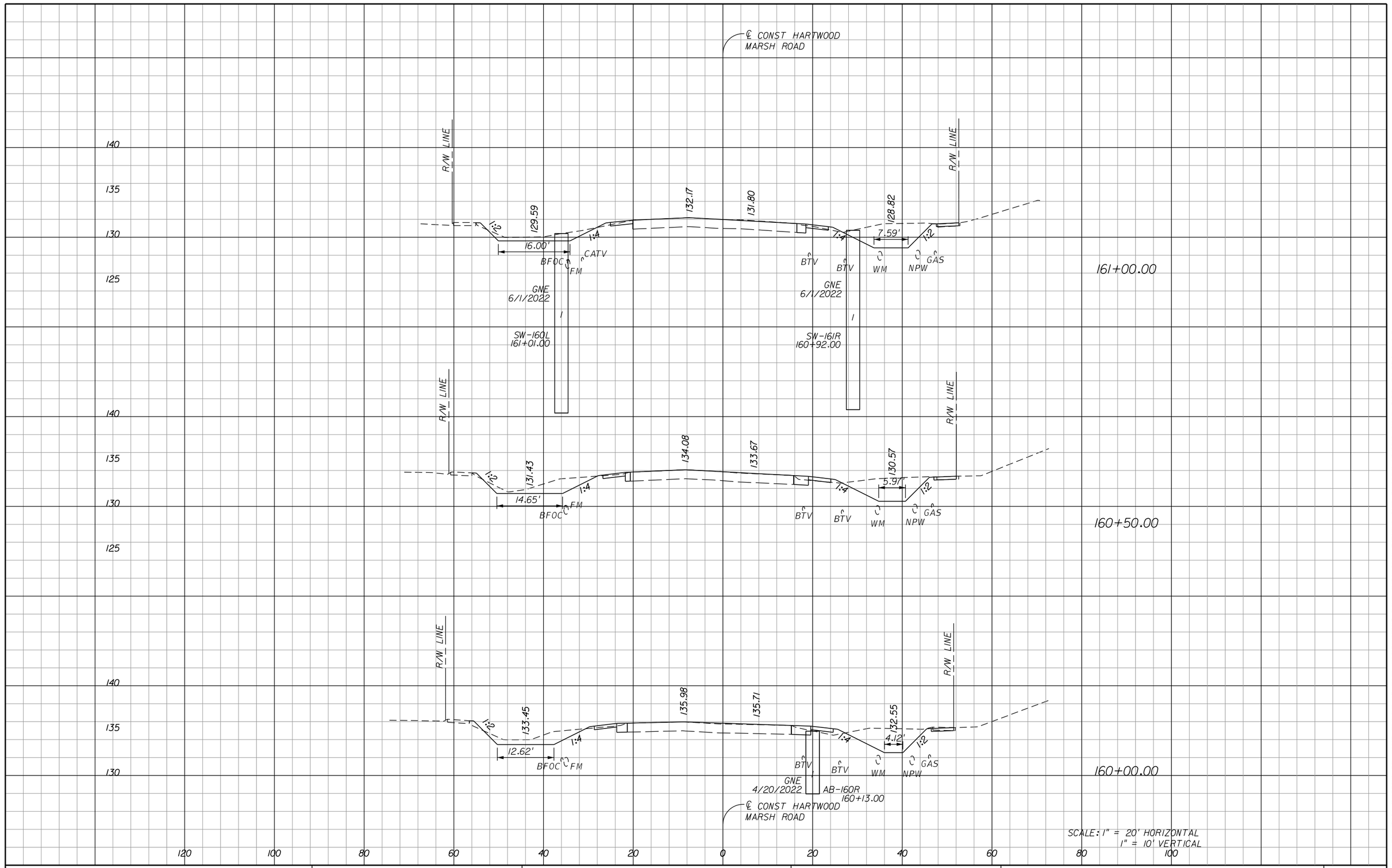
LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 152

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SCALE: 1" = 20' HORIZONTAL
1" = 10' VERTICAL

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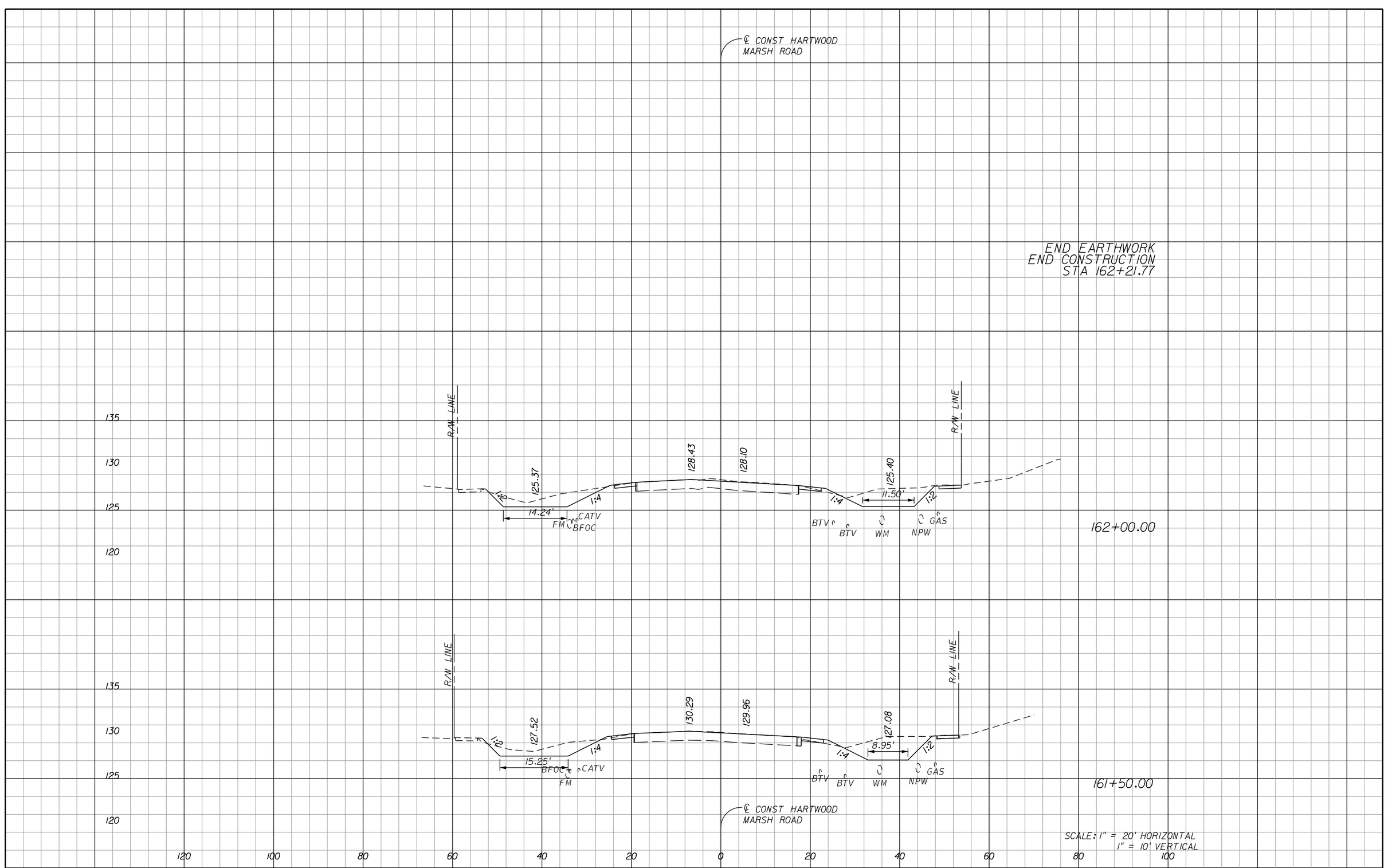
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P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 153



REVISIONS		
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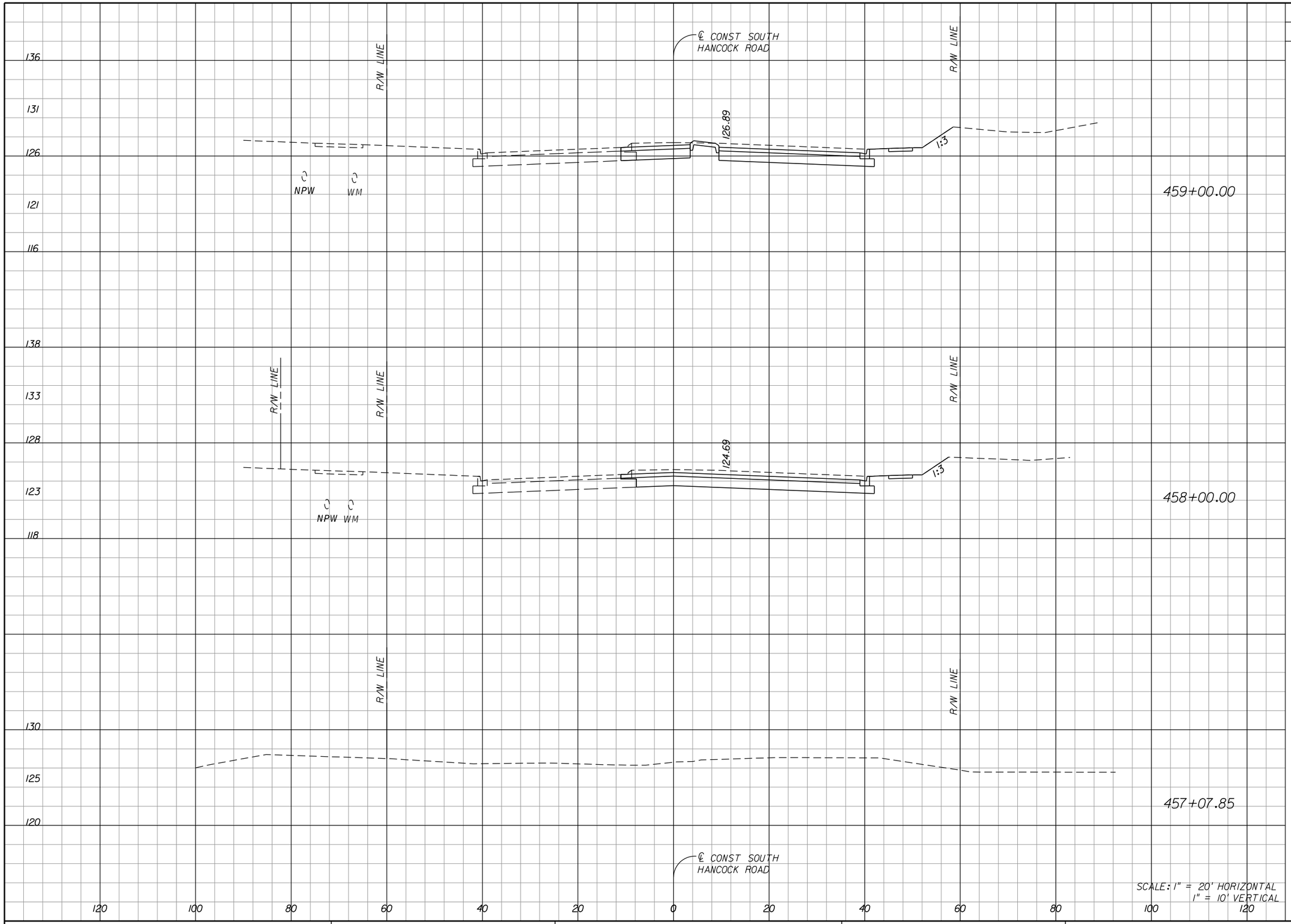
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HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS HARTWOOD MARSH ROAD

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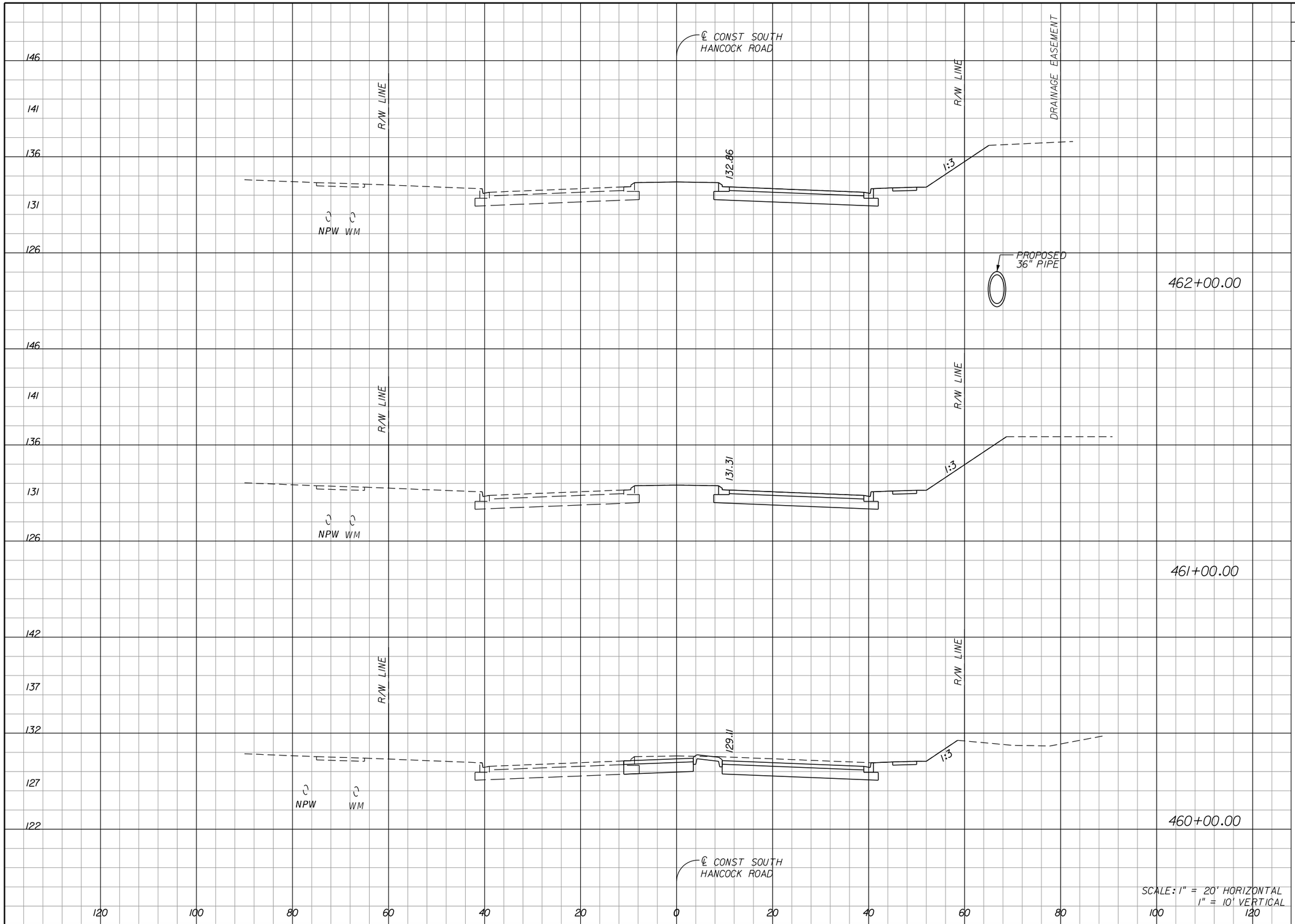
LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS SOUTH HANCOCK ROAD

SHEET NO. 155

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LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS SOUTH HANCOCK ROAD

SHEET NO. 156

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148
143
138
133
128
150
145
140
135
130
150
145
140
135
130

℄ CONST SOUTH HANCOCK ROAD

R/W LINE

DRAINAGE EASEMENT

132.75

1:3

465+00.00

NPW WM

PROPOSED 36" PIPE

133.25

464+00.00

NPW WM

133.49

463+00.00

120 100 80 60 40 20 0 20 40 60 80 100

SCALE: 1" = 20' HORIZONTAL
1" = 10' VERTICAL

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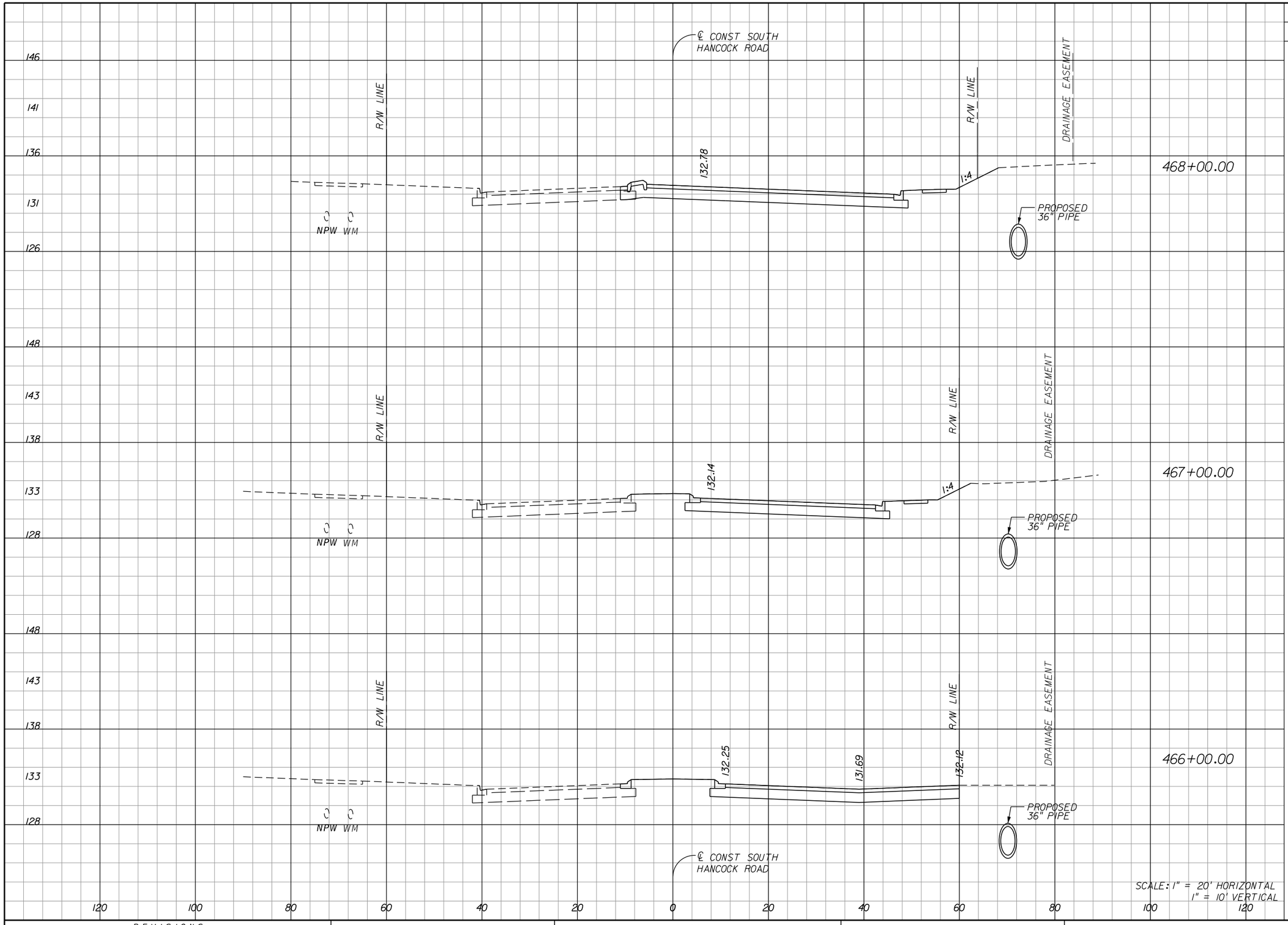
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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS SOUTH HANCOCK ROAD

SHEET NO. 157



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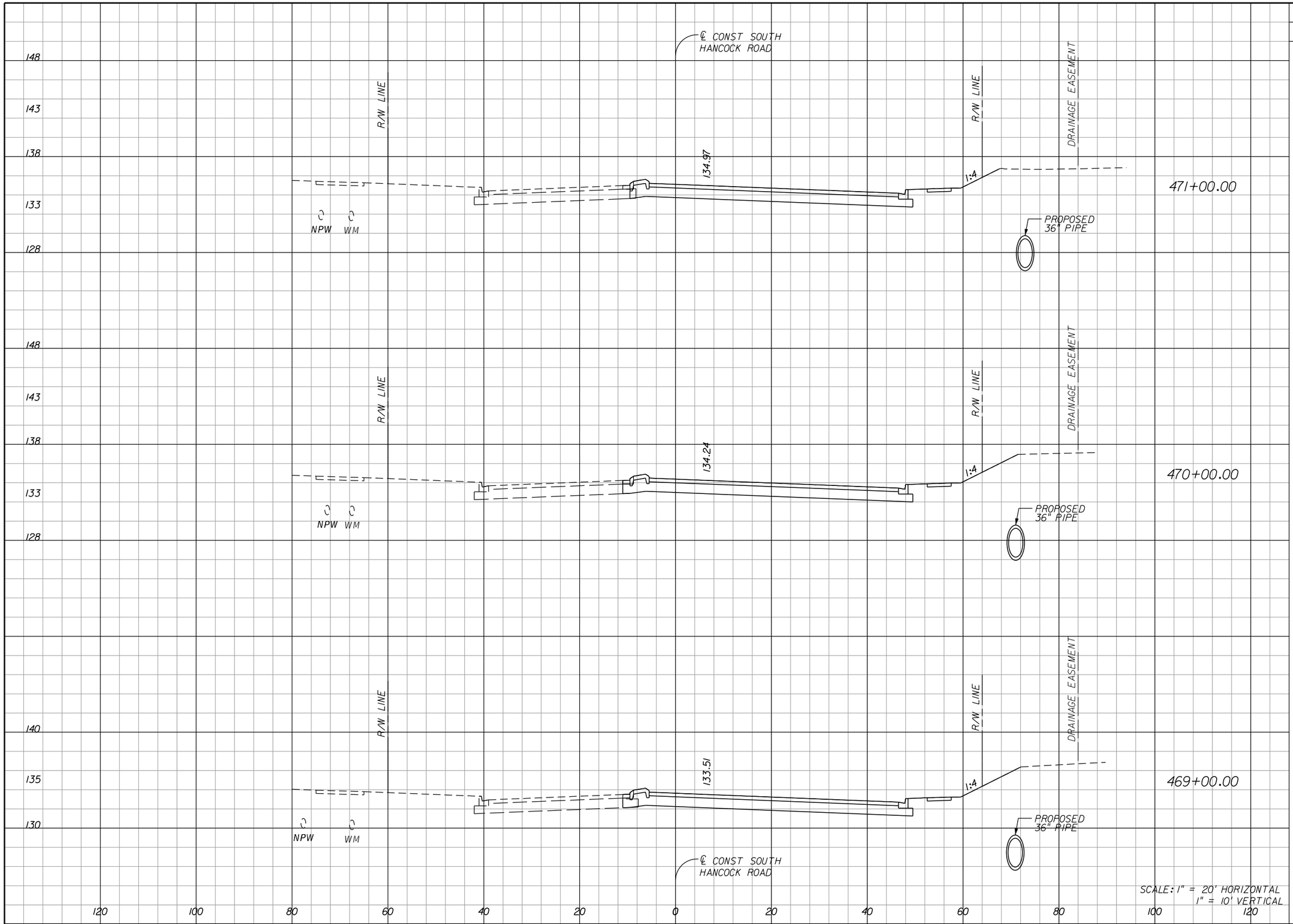
LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS SOUTH HANCOCK ROAD

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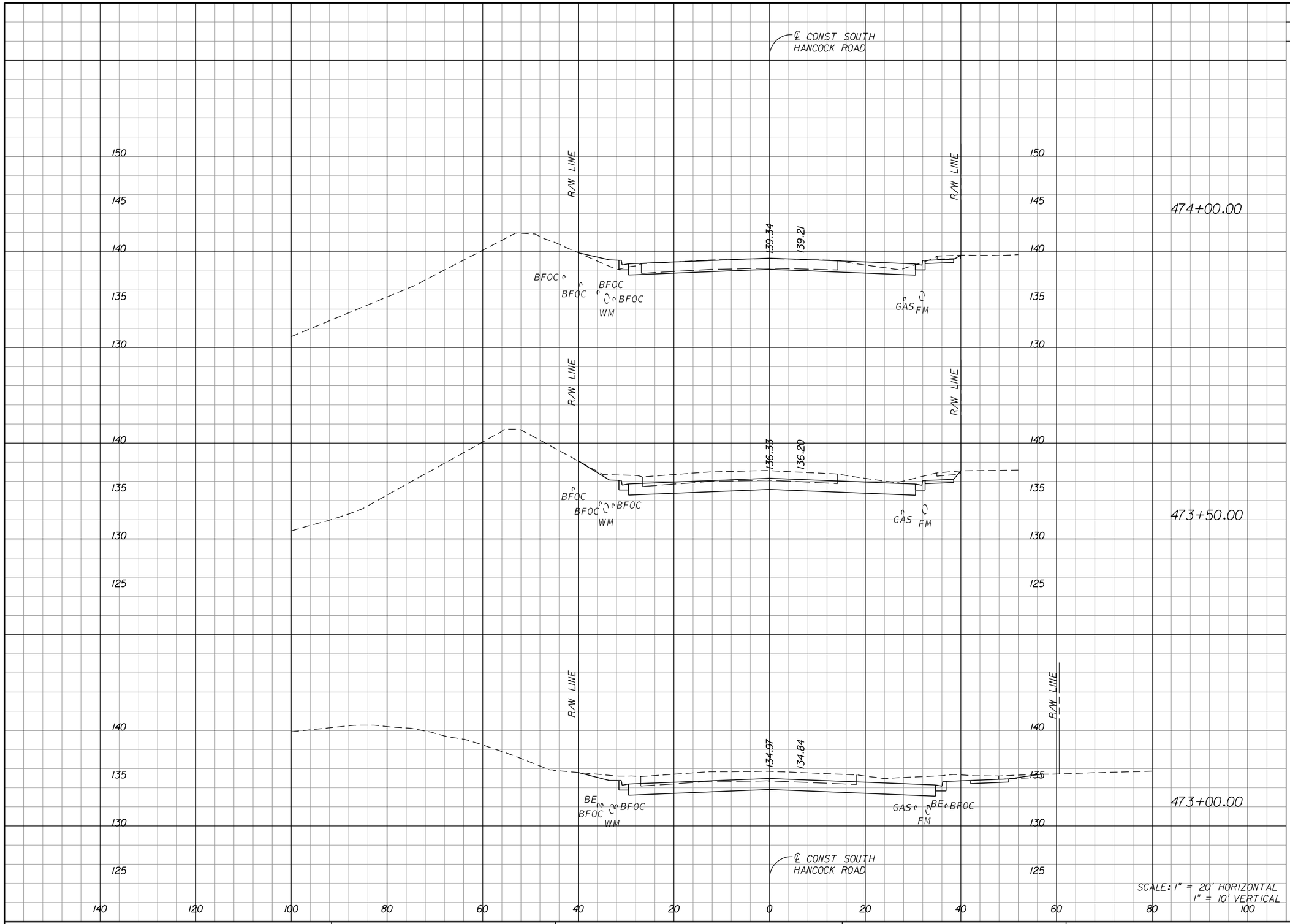
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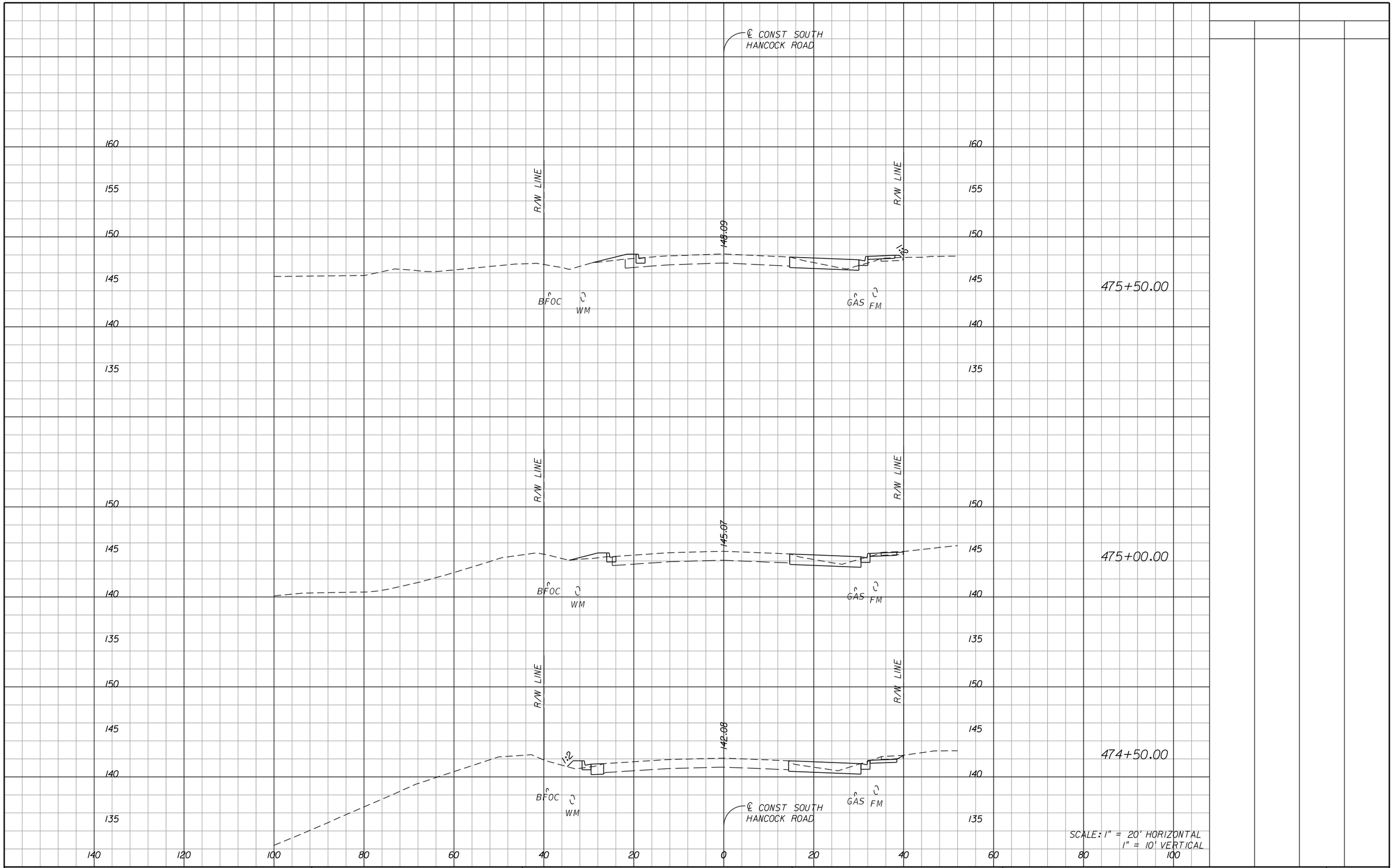
LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

CROSS SECTIONS SOUTH HANCOCK ROAD

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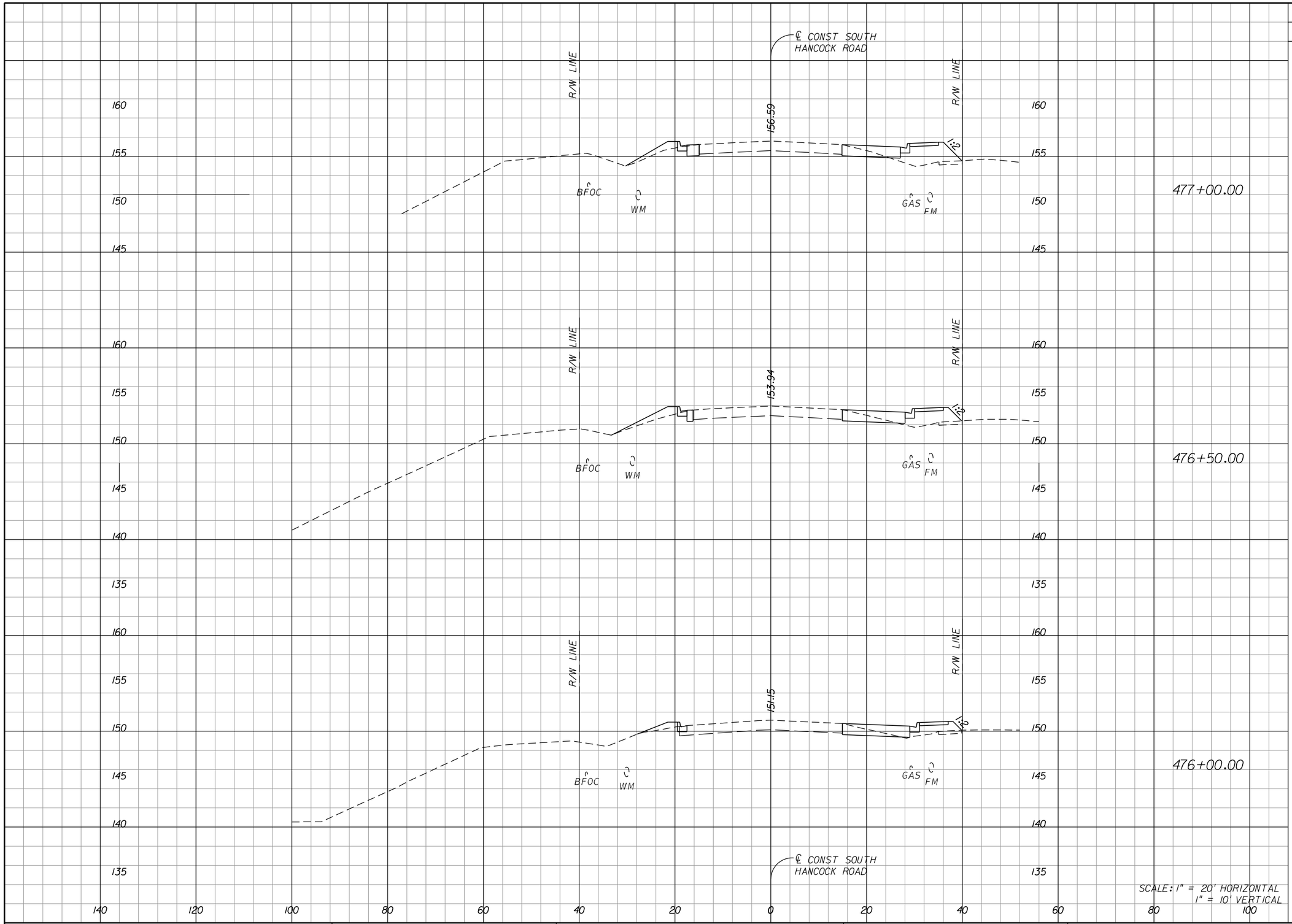
LAKE COUNTY, FL
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CROSS SECTIONS SOUTH HANCOCK ROAD

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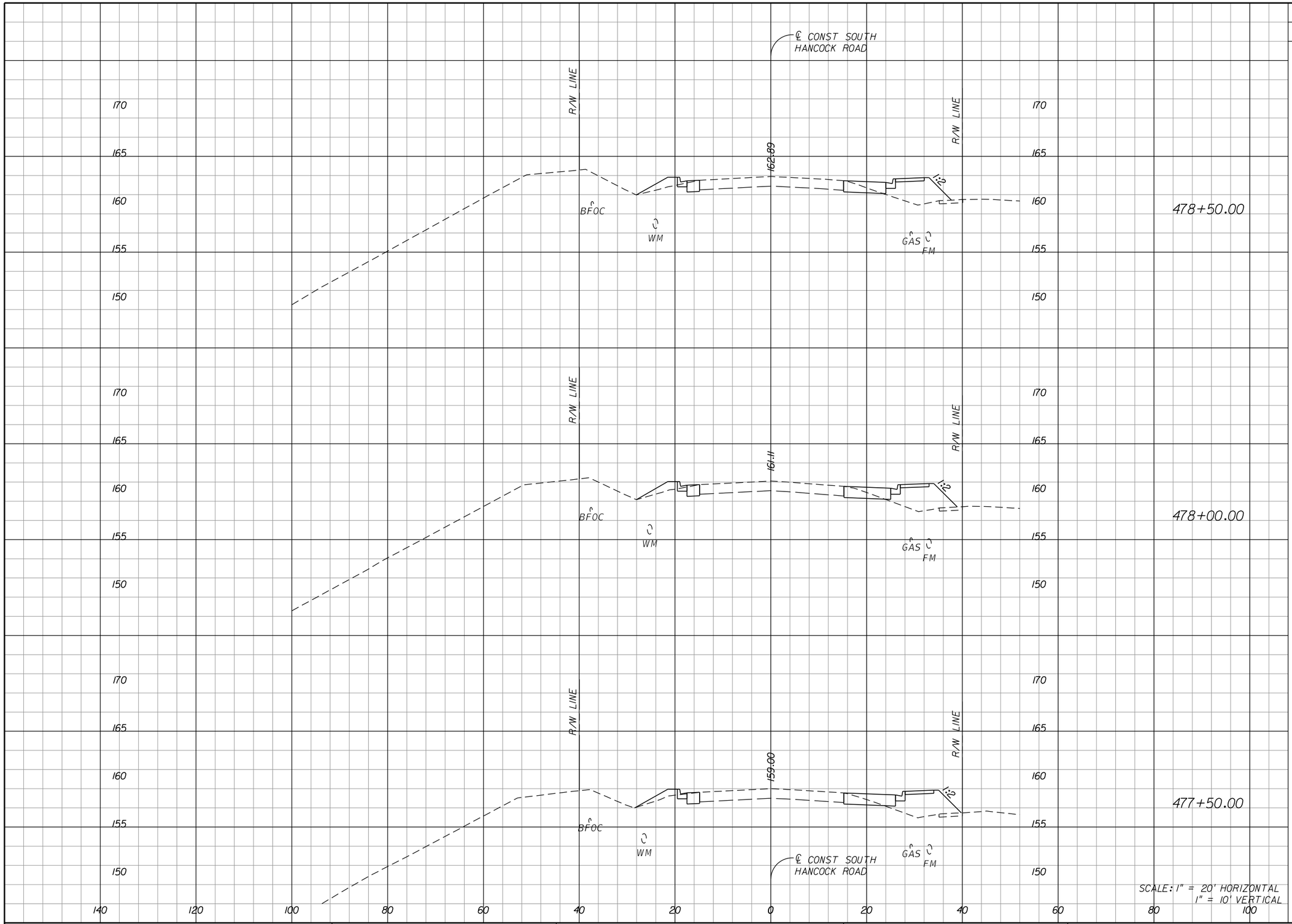
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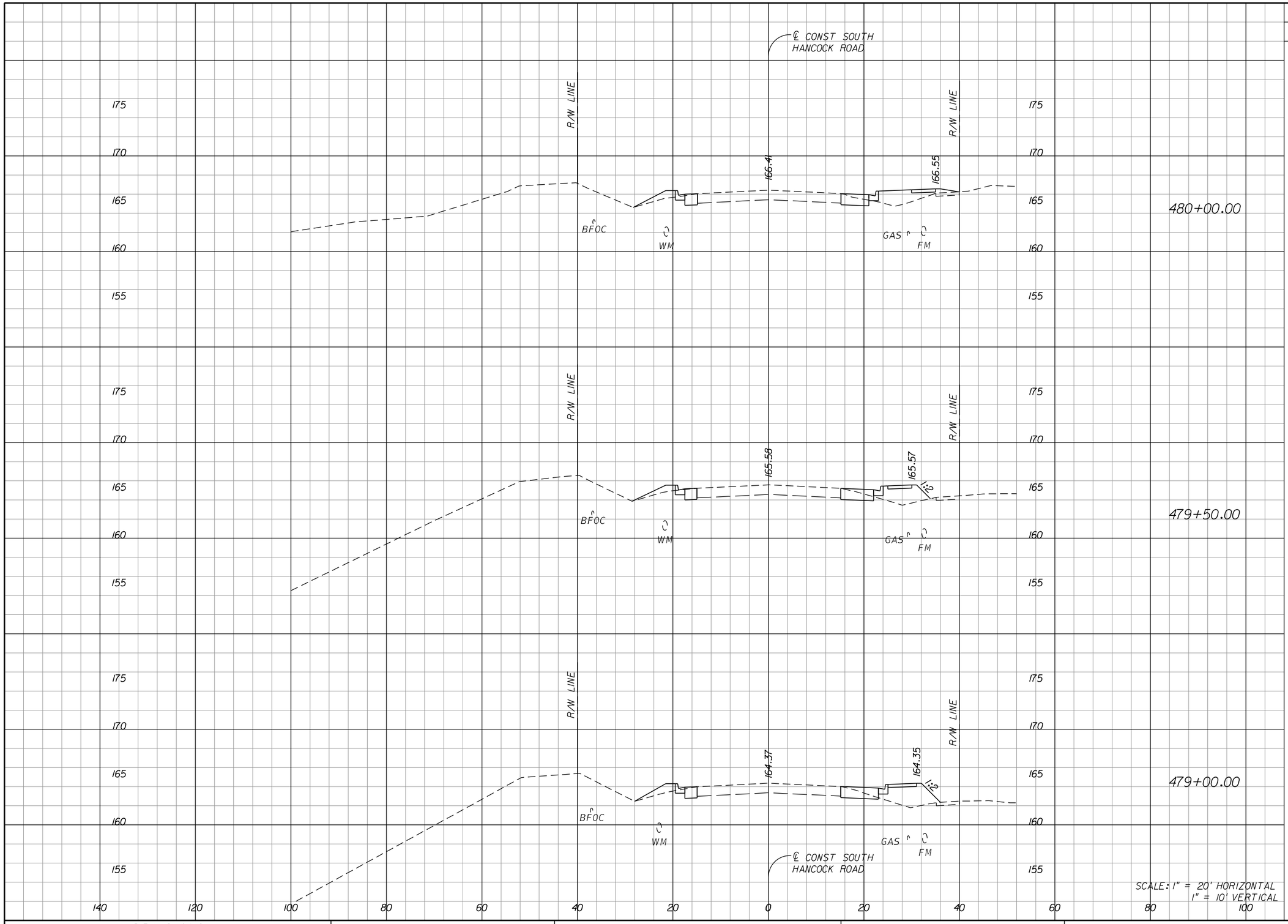
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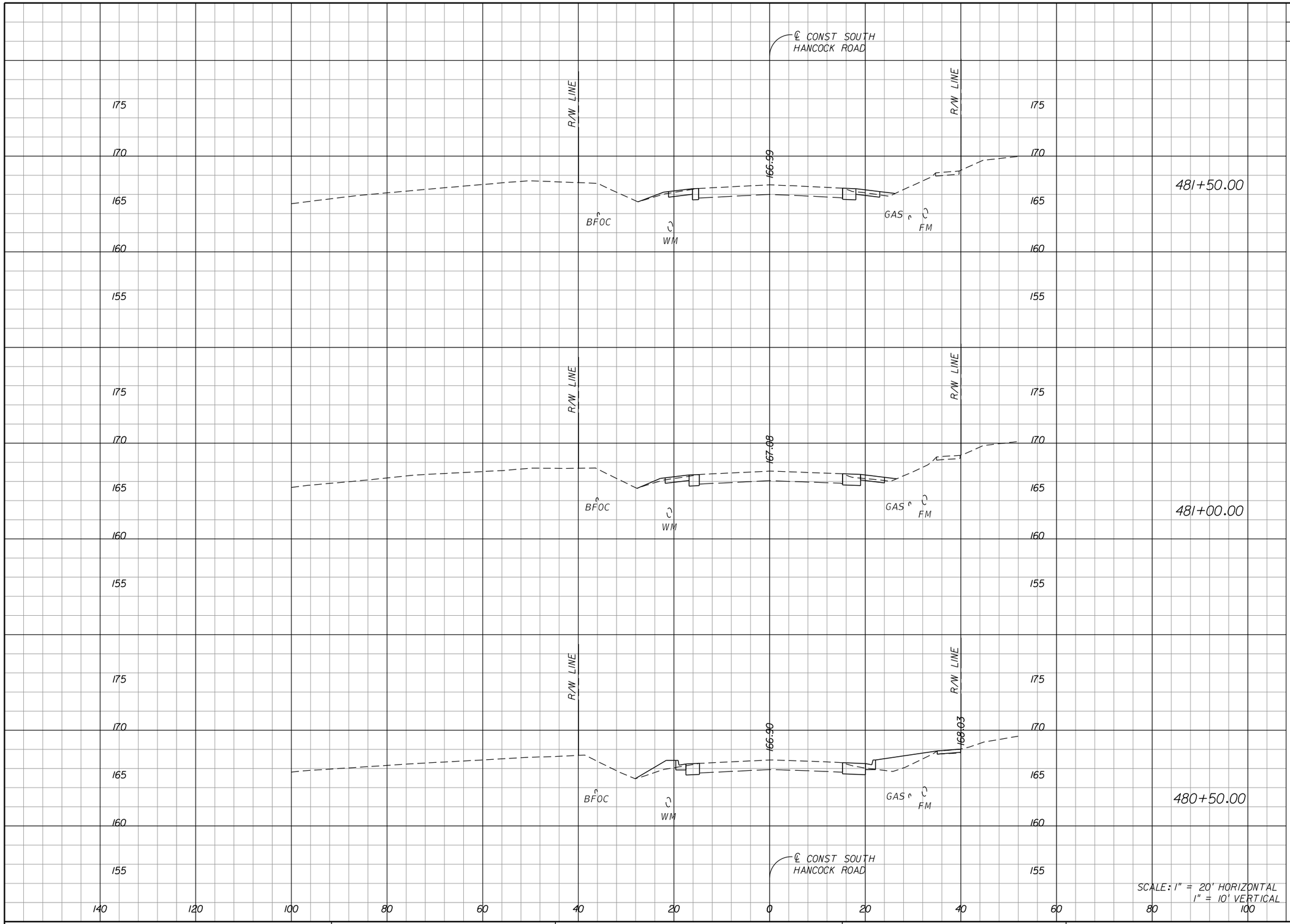
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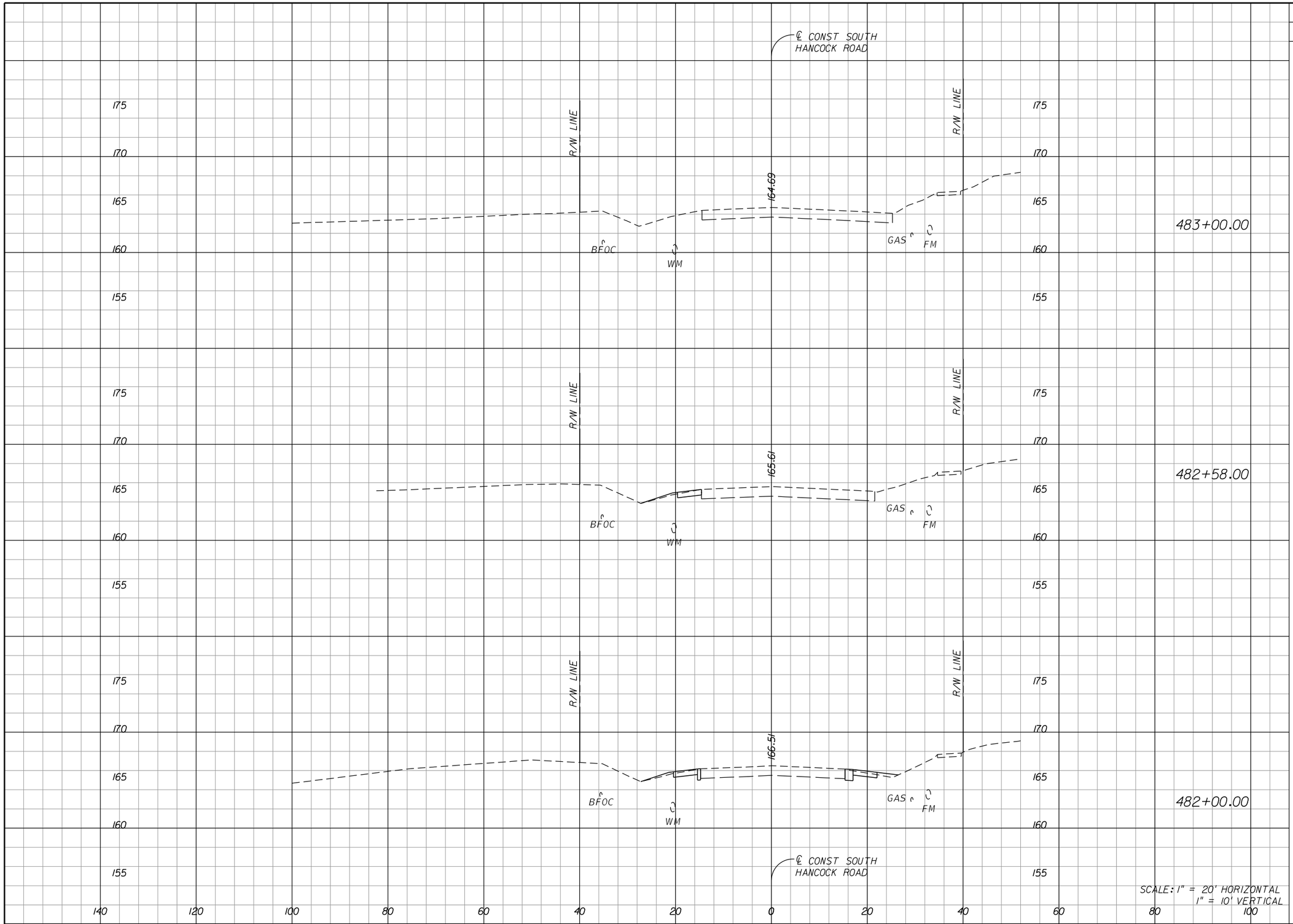
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SCALE: 1" = 20' HORIZONTAL
1" = 10' VERTICAL

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STORMWATER POLLUTION PREVENTION PLAN

THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, FDOT STANDARD PLANS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN INCLUDES SEVERAL ITEMS: THIS NARRATIVE DESCRIPTION, THE DOCUMENTS REFERENCED IN THIS NARRATIVE, THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN REQUIRED BY SPECIFICATION SECTION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

1.0 SITE DESCRIPTION:

1.A. NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT IS TO WIDEN THE EXISTING HARTWOOD MARSH ROAD FROM A 2-LANE ROADWAY TO A 4-LANE ROADWAY FROM US27 TO REGENCY HILLS ROAD, A DISTANCE OF APPROXIMATELY 1 MILE. THIS INVOLVES CONSTRUCTING ROADWAY SURFACE, CURB AND GUTTER AND SIDEWALK.

1.B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

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

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

1. CLEARING AND GRUBBING & EARTHWORK.

2. EARTHWORK ASSOCIATED WITH THE CONSTRUCTION OF ROADWAY, GRAVITY WALL, CURB, SUBGRADE, BASE, PAVEMENT, AND SIDEWALK.

1.C. AREA ESTIMATES:

TOTAL SITE AREA: 20.7 ACRES.
TOTAL AREA TO BE DISTURBED: 20.7 ACRES.

1.D. RUNOFF DATA:

RUNOFF COEFFICIENTS:
BEFORE: 0.35
DURING: VARIES FROM 0.35 TO 0.95
AFTER: 0.95

1.E. SITE MAP:

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

* 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 AND TYPICAL SECTION SHEETS.
ANY AREAS WHERE PERMANENT FEATURES ARE SHOWN TO BE CONSTRUCTED ABOVE OR BELOW GROUND WILL BE DISTURBED.

* AREAS NOT TO BE DISTURBED: ESSENTIALLY THE WHOLE PROJECT WILL BE DISTURBED DURING CONSTRUCTION.

* LOCATIONS OF TEMPORARY CONTROLS: THESE ARE SHOWN ON THE EROSION CONTROL SHEETS.

* LOCATIONS OF PERMANENT CONTROLS: STORMWATER DISCHARGES TO THE EXISTING STORMWATER SYSTEM.

* AREAS TO BE STABILIZED: TEMPORARY STABILIZATION PRACTICES ARE SHOWN IN THE SAME LOCATION AS THE TEMPORARY CONTROLS MENTIONED ABOVE. PERMANENT STABILIZATION IS SHOWN ON THE TYPICAL SECTION SHEETS AND THE PLAN-PROFILE SHEETS.

1.F. RECEIVING WATERS:

THERE ARE NO WETLAND AREAS ON THE PROJECT SITE. STORMWATER DISCHARGES TO THE PROPOSED COLLECTION AND CONVEYANCE SYSTEM AND PROPOSED PONDS.

2.0 CONTROLS:

2.A. EROSION AND SEDIMENT CONTROLS:

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

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

2.A.1 STABILIZATION PRACTICES:

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

TEMPORARY:

* ARTIFICIAL COVERINGS IN ACCORDANCE WITH SPECIFICATION SECTION 104.

* TURF AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104.

PERMANENT:

* ASPHALT OR CONCRETE SURFACE.

* SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570.

SOD SHALL BE PLACED IMMEDIATELY AROUND NEW MITERED END AREAS SUBJECT TO EROSION PER FDOT INDEX 524-001.

SOD SHALL BE REPLACED WITH ORIGINAL TYPE ON ALL RESIDENTIAL LOTS AND AS SHOWN ON PLANS.

PEGGED SOD SHALL BE PLACED ON ALL SLOPES 3:1 OR STEEPER.

2.A.2 STRUCTURAL PRACTICES:

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

TEMPORARY:

* SEDIMENT BARRIERS IN ACCORDANCE WITH DESIGN SPECIFICATION SECTION 104, AND FDEP EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL.

* INLET PROTECTION IN ACCORDANCE WITH FDEP EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, AND SPECIAL DETAILS SHOWN IN THE TTC PLAN.

PERMANENT:

* SOD.

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HARTWOOD MARSH ROAD - PHASE I

STORMWATER POLLUTION PREVENTION PLAN (1)

SHEET NO. 167

2.C OTHER CONTROLS:

2.C.1 WASTE DISPOSAL:

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

* PROVIDING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES.

* DISPOSING OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.

* DISPOSING OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE BUT NOT IN SURFACE WATERS, OR WETLANDS.

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

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

* COVERING LOADED HAUL TRUCKS WITH TARPAULINS.

* REMOVING EXCESS DIRT FROM ROADS DAILY.

* STABILIZING CONSTRUCTION ENTRANCES ACCORDING TO STANDARD PLANS 106.

* USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND MILLING OPERATIONS.

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

IN THE SECTION 104 EROSION CONTROL PLAN, DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS

FOR WASTE DISPOSAL, AND SANITARY SEWER OR SEPTIC SYSTEMS.

2.C.4 FERTILIZERS AND PESTICIDES:

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

2.C.5 TOXIC SUBSTANCES:

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

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

* FDEP RULE CHAPTER 62-25 F.A.C.

* LAKE COUNTY ENVIRONMENTAL MANAGEMENT ORDINANCE NUMBER 09.06.00,

3.0 MAINTENANCE:

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

* SILT FENCE: MAINTAIN PER SECTION 104. ANTICIPATE REPLACING SILT FENCE ON 12-MONTH INTERVALS.

* SEDIMENT BARRIERS: REMOVE SEDIMENT AS PER MANUFACTURER'S RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.

4.0 INSPECTIONS:

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

TO COMPLY, INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. 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.

* LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

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

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

5.0 NON-STORMWATER DISCHARGES:

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

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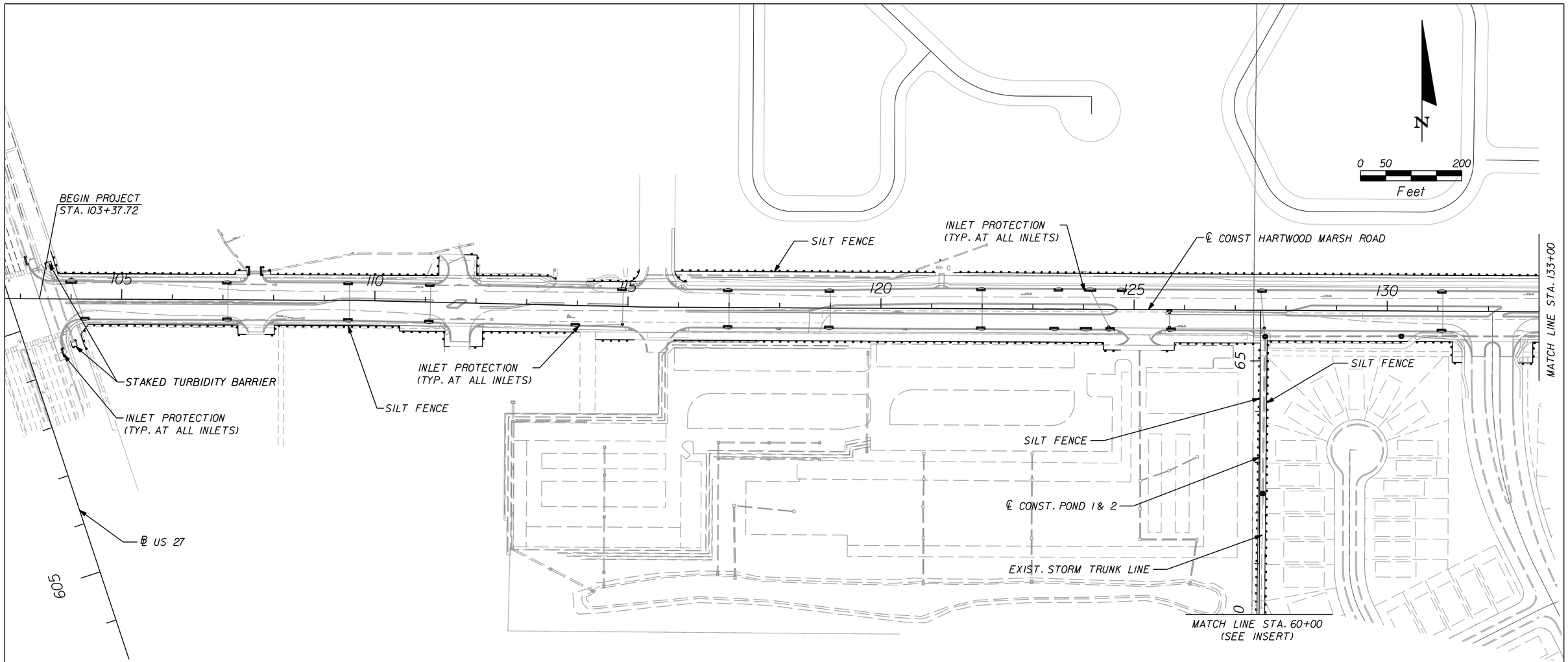
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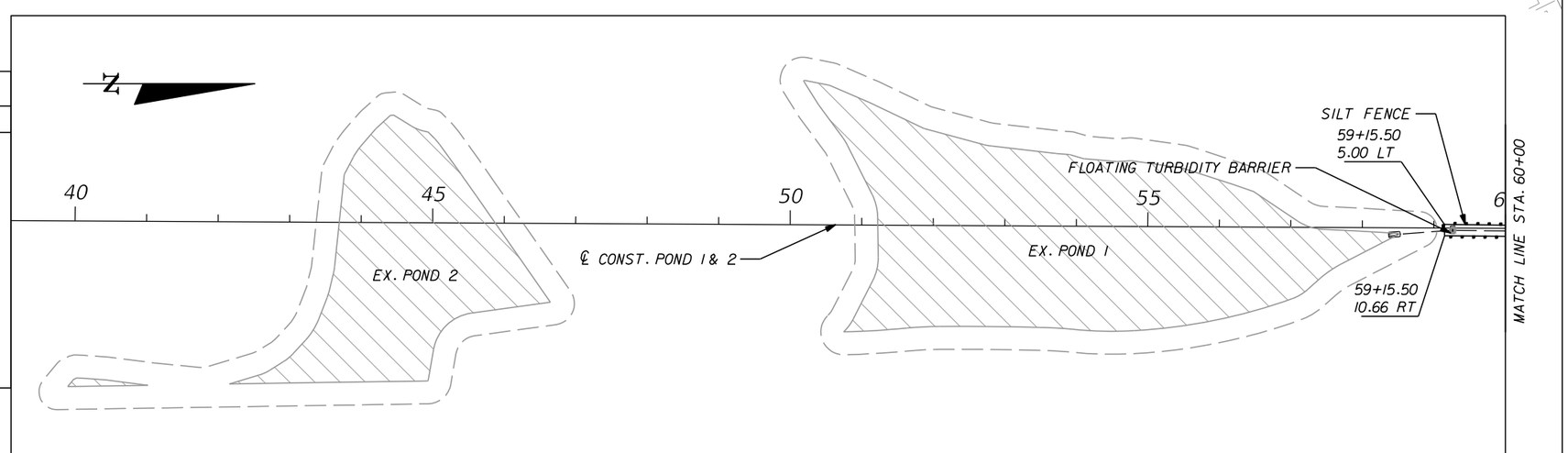
STORMWATER POLLUTION PREVENTION PLAN (2)

SHEET NO. 168



LEGEND

DEVICE	PLACEMENT DETAILS
ROCK BAGS (GUTTER INLETS)	SEE INDEX 102
SYNTHETIC BALES (DBI, MES)	SEE INDEX 102
ROCK BAGS & SYNTHETIC BALES (GUTTER INLETS)	SEE INDEX 102
SILT FENCE (TYPE III) (SILT RUNOFF PREVENTION)	SEE INDEX 102
STAKED TURBIDITY BARRIER (SILT RUNOFF PREVENTION)	SEE INDEX 102



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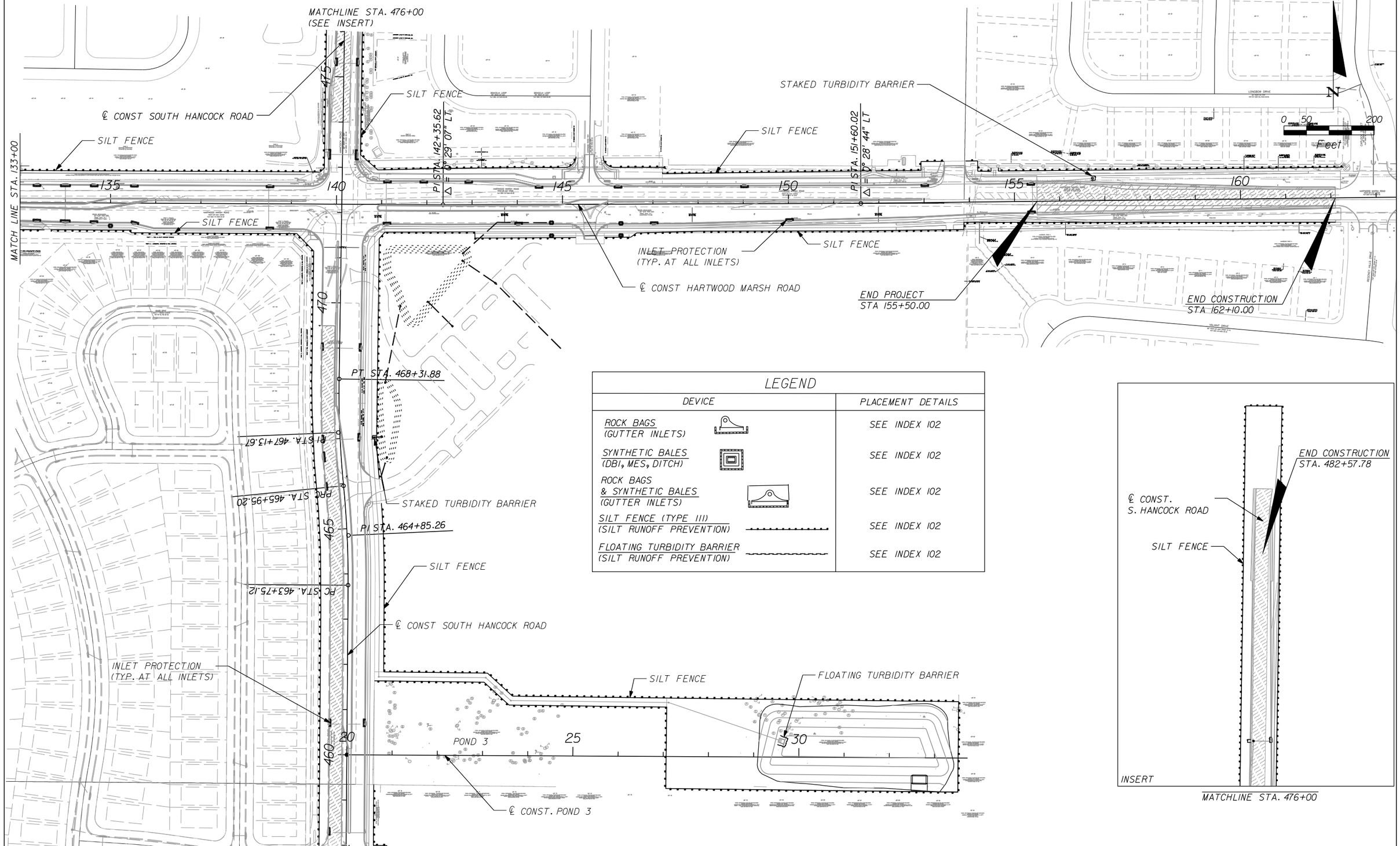
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HARTWOOD MARSH ROAD - PHASE I

EROSION AND SEDIMENT CONTROL (1)

SHEET NO. 169

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LEGEND

DEVICE	PLACEMENT DETAILS
ROCK BAGS (GUTTER INLETS)	SEE INDEX 102
SYNTHETIC BALES (DBI, MES, DITCH)	SEE INDEX 102
ROCK BAGS & SYNTHETIC BALES (GUTTER INLETS)	SEE INDEX 102
SILT FENCE (TYPE III) (SILT RUNOFF PREVENTION)	SEE INDEX 102
FLOATING TURBIDITY BARRIER (SILT RUNOFF PREVENTION)	SEE INDEX 102

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HARTWOOD MARSH ROAD - PHASE I

EROSION AND SEDIMENT CONTROL (2)

SHEET NO. 170

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TRAFFIC CONTROL PLAN GENERAL NOTES

1. ALL MAINTENANCE OF TRAFFIC SHALL ADHERE TO THE REQUIREMENTS OF THE DESIGN STANDARDS 102 INDEXES.

2. THE DESIGN SPEED DURING ALL PHASES OF CONSTRUCTION SHALL BE 45 MPH. POSTED SPEED SHALL MATCH EXISTING 40 MPH.

3. LANE CLOSURES ALONG HARTWOOD MARSH ROAD ARE RESTRICTED TO A SINGLE DIRECTION AND MAY NOT BE LONGER THAN 1000 FT. LANE CLOSURES ARE PERMITTED ONLY BETWEEN THE HOURS OF 7:00 PM TO 7:00 AM

   CLOSURE OF RIGHT TURN LANE ALONG US 27 IS PERMITTED ONLY BETWEEN THE HOURS OF 8:00 PM TO 6:00 AM

4. DRAINAGE STRUCTURES SHOWN IN THE TRAFFIC CONTROL PLAN MUST BE CONSTRUCTED IN THE PHASE SHOWN OR EARLIER TO MAINTAIN POSITIVE FLOW. ADDITIONAL STRUCTURES AND PIPE RUNS MAY BE CONSTRUCTED IN LIEU OF PLUGGING WALLS AND PIPES. THE CONTRACTOR SHALL CONSIDER UTILITY IMPACTS AND RELOCATION SCHEDULES IF PLANNING TO PERFORM ADDITIONAL DRAINAGE WORK EARLY.

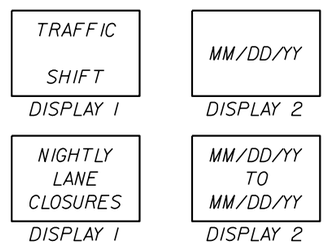
5. COORDINATE ALL LANE CLOSURES, LANE SHIFTS AND EMERGENCY SIGNAL WORK WITH THE CITY OF CLERMONT FIRE DEPARTMENT BY CONTACTING PAUL ANDERSON AT (352) 394-7662 x203 OR BY CELL AT (352) 267-5497. PROVIDE A 24-HOUR CONTACT TO THE FIRE DEPARTMENT.

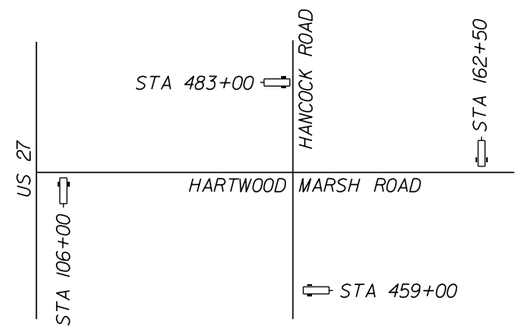
6. A TRAFFIC CONTROL OFFICER SHALL BE PROVIDED FOR THE DURATION OF ALL TRAFFIC SIGNAL WORK.

7. SIGNAL TIMING FOR TEMPORARY SIGNALS SHALL BE COORDINATED WITH THE MAINTAINING AGENCY 14 DAYS PRIOR TO EACH SIGNAL ADJUSTMENT. THE COORDINATING AGENCY FOR ALL SIGNALS IS LAKE COUNTY TRAFFIC OPERATIONS, AT (352) 742-1766.

8. THE CONTRACTOR SHALL USE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) PER FDM SECTION 243 TO NOTIFY THE TRAVELING PUBLIC OF UPCOMING LANE SHIFTS AND LANE CLOSURES. THESE SIGNS SHALL BE INSTALLED A MINIMUM OF SEVEN DAYS PRIOR TO EACH EVENT. ONE SIGN SHALL BE USED AT EACH LOCATION AS SHOWN BELOW.

   THE DISPLAYS ARE TO BE AS FOLLOWS:





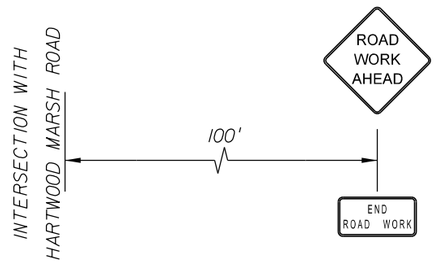
9. EXISTING STREETS AND DRIVEWAYS INCLUDING FIRE STATION SHALL BE MAINTAINED TO LOCAL TRAFFIC AND PROPERTY OWNERS.

10. ANY TEMPORARY ROAD CLOSURE REQUIRES AUTHORIZATION REQUEST MADE TO LAKE COUNTY ROAD OPERATIONS AT (352) 742-0478 AND WITH AT LEAST THREE (3) DAYS NOTICE PRIOR TO CLOSURE. CONTRACTOR MUST SUPPLY A DETOUR PLAN WHEN REQUESTING CLOSURE. NO CLOSURE SHALL TAKE PLACE WITHOUT APPROVAL OF THE DETOUR PLAN. CONTRACTOR SHALL SUPPLY ALL SIGNAGE ASSOCIATED WITH CLOSURE AND DETOUR.

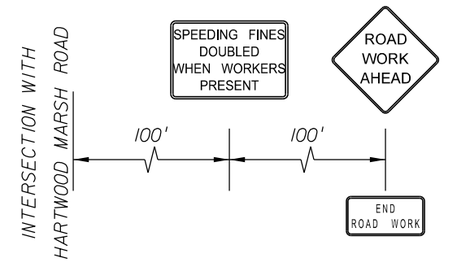
11. IF EXISTING VEHICLE DETECTION DEVICES ARE DAMAGED DURING CONSTRUCTION, CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN TEMPORARY DETECTION.

12. FOR TEMPORARY PAVEMENT ADD 2" OF ASPHALT ON STABILIZED SUBGRADE

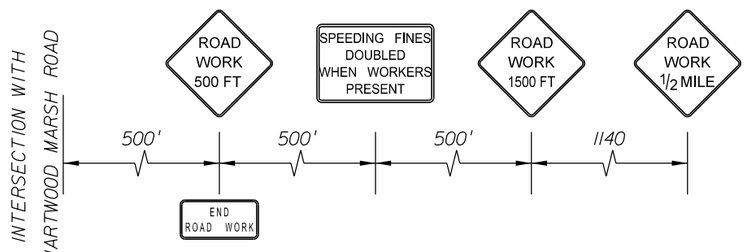
13. ARROWS DENOTE DIRECTION OF TRAFFIC ONLY AND DO NOT REFLECT PAVEMENT MARKINGS



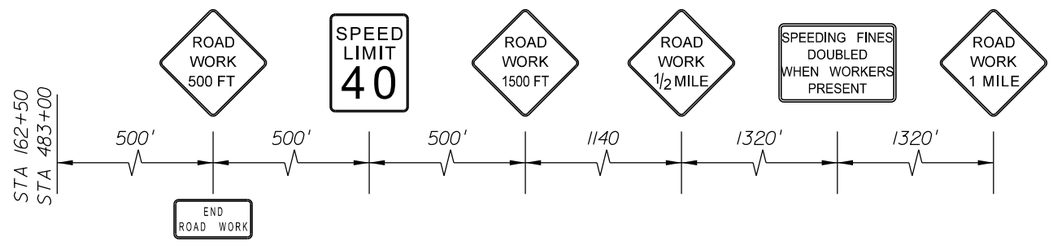
ADVANCE WARNING SIGNS - LIONS GATE DR, HARTWOOD PINES WAY, IMAGINE SOUTH LAKE CHARTER SCHOOL, CHAPLOCKS ST., REGENCY HILLS DR.



ADVANCE WARNING SIGNS - DANBURY MILL BLVD



ADVANCE WARNING SIGNS - SR 25 (US 27)
(NORTH AND SOUTH OF HARTWOOD MARSH ROAD)



ADVANCE WARNING SIGNS - HARTWOOD MARSH ROAD & SOUTH HANCOCK ROAD
(NORTH OF HARTWOOD MARSH ROAD)

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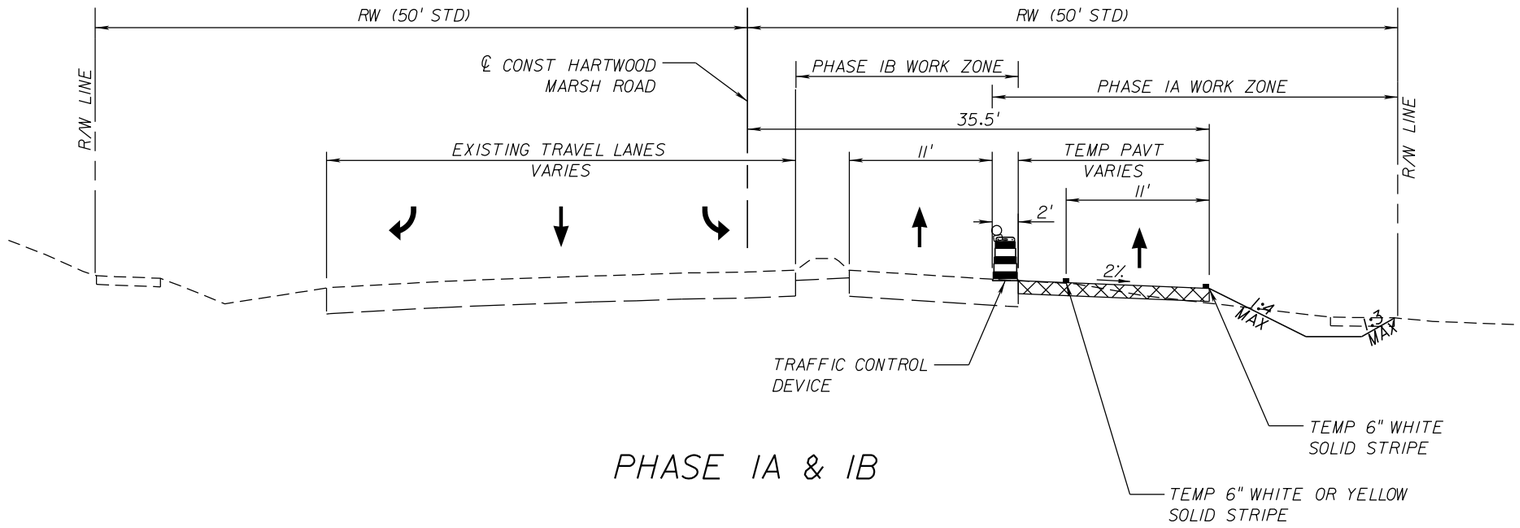
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HARTWOOD MARSH ROAD - PHASE I

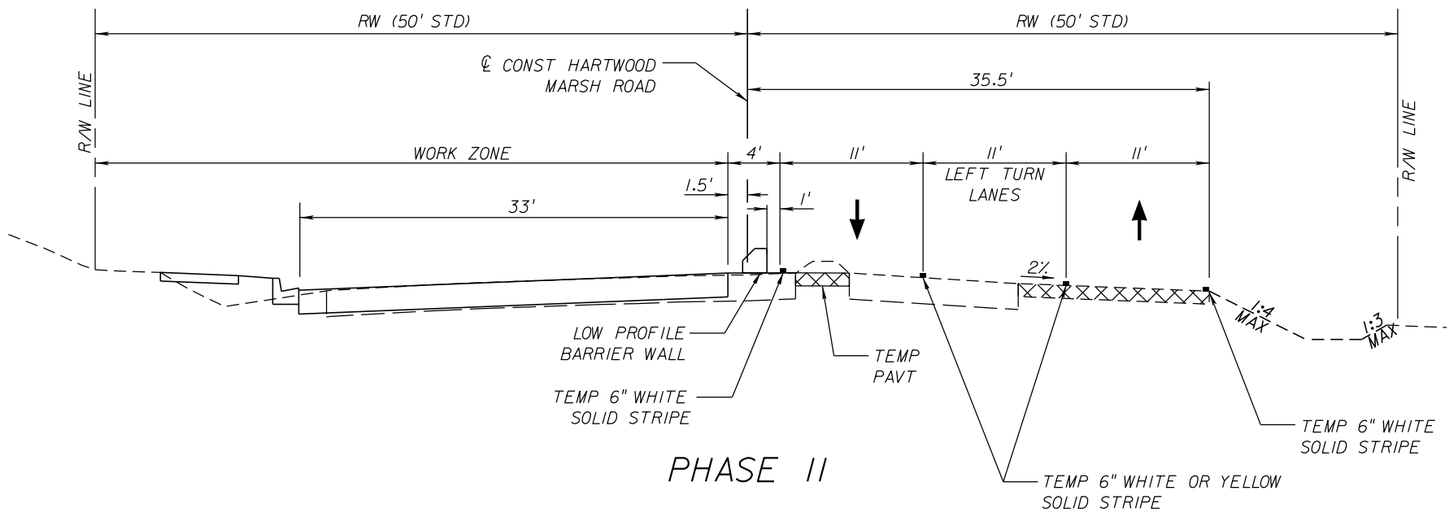
TRAFFIC CONTROL PLANS GENERAL NOTES

SHEET NO. 171

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PHASE IA & IB



PHASE II

STAGE I - HARTWOOD MARSH ROAD

PHASE NOTES

PHASE IA - THE INTENT OF THIS PHASE IS TO CONSTRUCT TEMPORARY PAVEMENT, PONDS AND THE STORM SEWER SYSTEM ON THE SOUTH SIDE IN PREPARATION FOR PHASE II.

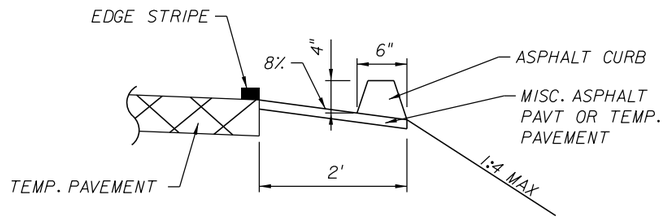
1. PLACE ADVANCE WARNING SIGNS AND DEVICES AS SHOWN IN THE PHASE IA TYPICAL SECTION AND DETAILS.
2. CONSTRUCT THE STORM SEWER SYSTEM ON THE SOUTH SIDE, PIPES AND SWALES AS SHOWN IN THE PHASE II TRAFFIC CONTROL PLAN.
3. CONSTRUCT TEMPORARY PAVEMENT AS SHOWN IN THE PHASE II TRAFFIC CONTROL PLANS.

PHASE IB - THE INTENT OF THIS PHASE IS TO CONSTRUCT TEMPORARY PAVEMENT IN LOCATIONS WHERE TRAFFIC SEPARATOR EXISTS.

1. PLACE DEVICES AND SHIFT TRAFFIC TO THE PHASE IB CONDITION, AS SHOWN IN THE TYPICAL SECTION.
2. CONSTRUCT REMAINING AREAS OF TEMPORARY PAVEMENT AS SHOWN IN THE PHASE II TRAFFIC CONTROL PLAN.

PHASE II - THE INTENT OF THIS PHASE IS TO CONSTRUCT THE NORTH SIDE OF THE ROADWAY THROUGH THE STRUCTURAL COURSE AND THE NORTH SIDE STORM STRUCTURES AND PIPES

1. PLACE DEVICES AND SHIFT TRAFFIC TO THE PHASE II CONDITION, AS SHOWN IN THE TYPICAL SECTION.
2. CONSTRUCT THE PORTIONS OF THE NORTH SIDE OF THE ROADWAY SHOWN IN THE PHASE II WORK ZONE.
3. CONSTRUCT THE NORTH HALF OF THE STORM SEWER STRUCTURES AND PIPES AS SHOWN IN THE PHASE II TRAFFIC CONTROL PLANS



ASPHALT CURB DETAIL
SEE PLANS FOR LIMITS

STAGE I - US27 AT HARTWOOD MARSH ROAD

1. NOTE: INSTALL SOUTHBOUND SIGNAL HEAD DURING MILLING AND RESURFACING PHASE OF SOUTHBOUND LEFT TURN LANE USING MEDIAN.

TYPICAL SECTIONS
STA 102+37.72 TO STA 118+60.00
STAGE I - HARTWOOD MARSH ROAD

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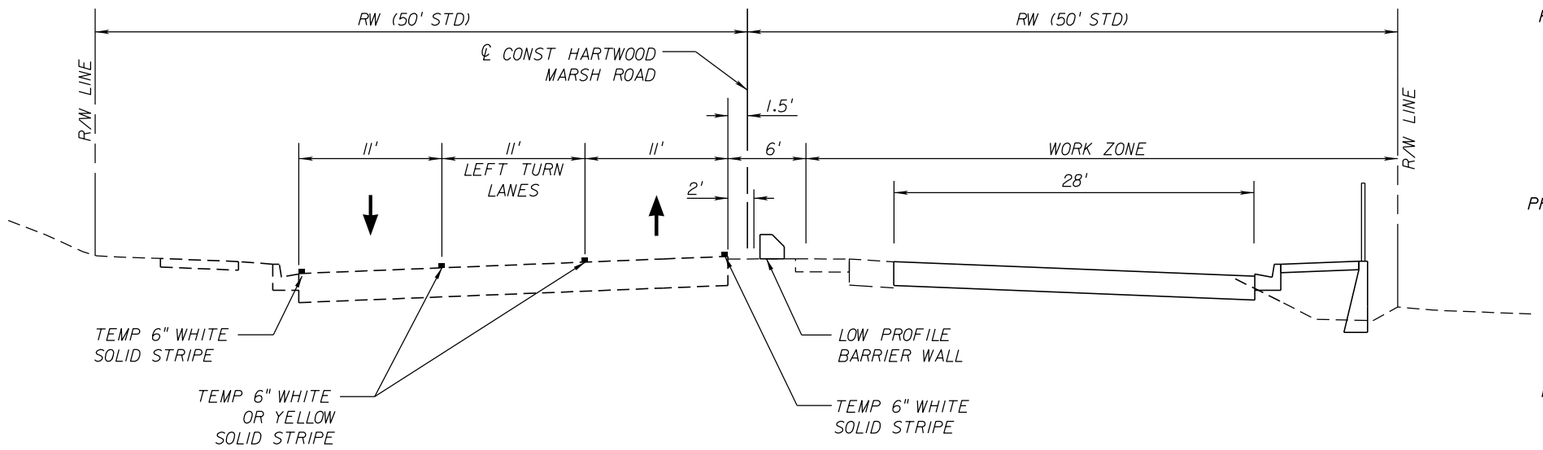
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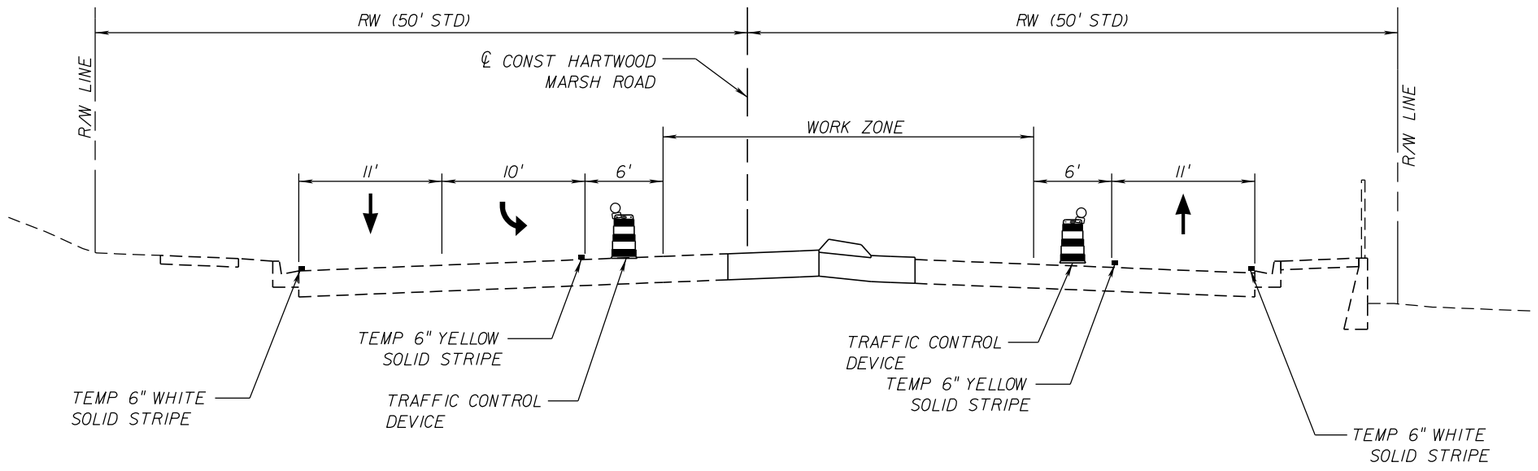
HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLANS
TYPICAL SECTIONS (1)

SHEET NO.
172



PHASE III



PHASE IV

(SIMILAR FOR RIGHT SIDE LEFT TURN LANES)

STAGE I - HARTWOOD MARSH ROAD

PHASE NOTES

PHASE III - THE INTENT OF THIS PHASE IS TO CONSTRUCT THE SOUTH SIDE OF THE ROADWAY THROUGH THE STRUCTURAL COURSE.

1. PLACE DEVICES AND SHIFT TRAFFIC TO THE PHASE III CONDITION, AS SHOWN IN THE TYPICAL SECTION.
2. CONSTRUCT THE PORTIONS OF THE SOUTH SIDE OF THE ROADWAY SHOWN IN THE PHASE III WORK ZONE.

PHASE IIIB - THE INTENT OF THIS PHASE IS TO CONSTRUCT THE SOUTH SIDE OF THE ROADWAY WITHIN THE PHASE IIIB WORK ZONE.

1. PLACE DEVICES AND SHIFT TRAFFIC TO THE PHASE IIIB CONDITION, AS SHOWN ON THE PHASE IIIB PLAN SHEET.
2. CONSTRUCT THE SOUTH SIDE IMPROVEMENTS WITHIN THE AREA SHOWN THROUGH THE STRUCTURAL COURSE.

PHASE IV - THE INTENT OF THIS PHASE IS TO COMPLETE CONSTRUCTION OF THE MEDIAN IMPROVEMENTS.

1. PLACE DEVICES AND SHIFT TRAFFIC TO THE PHASE IV CONDITION, AS SHOWN IN THE TYPICAL SECTION. CONSTRUCT THE MEDIAN IMPROVEMENTS.

PHASE V - THE INTENT OF THIS PHASE IS TO PLACE THE FRICTION COURSE AND FINAL PAVEMENT MARKINGS.

1. PLACE FRICTION COURSE WITHIN THE LIMITS OF THE PHASE IV WORK ZONE.
2. SHIFT TRAFFIC TO THE MEDIAN LANES.
3. PLACE REMAINING FRICTION COURSE AND FINAL PAVEMENT MARKINGS.

TYPICAL SECTIONS
STA 102+37.72 TO STA 118+60.00

STAGE I - HARTWOOD MARSH ROAD

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections
OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
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ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

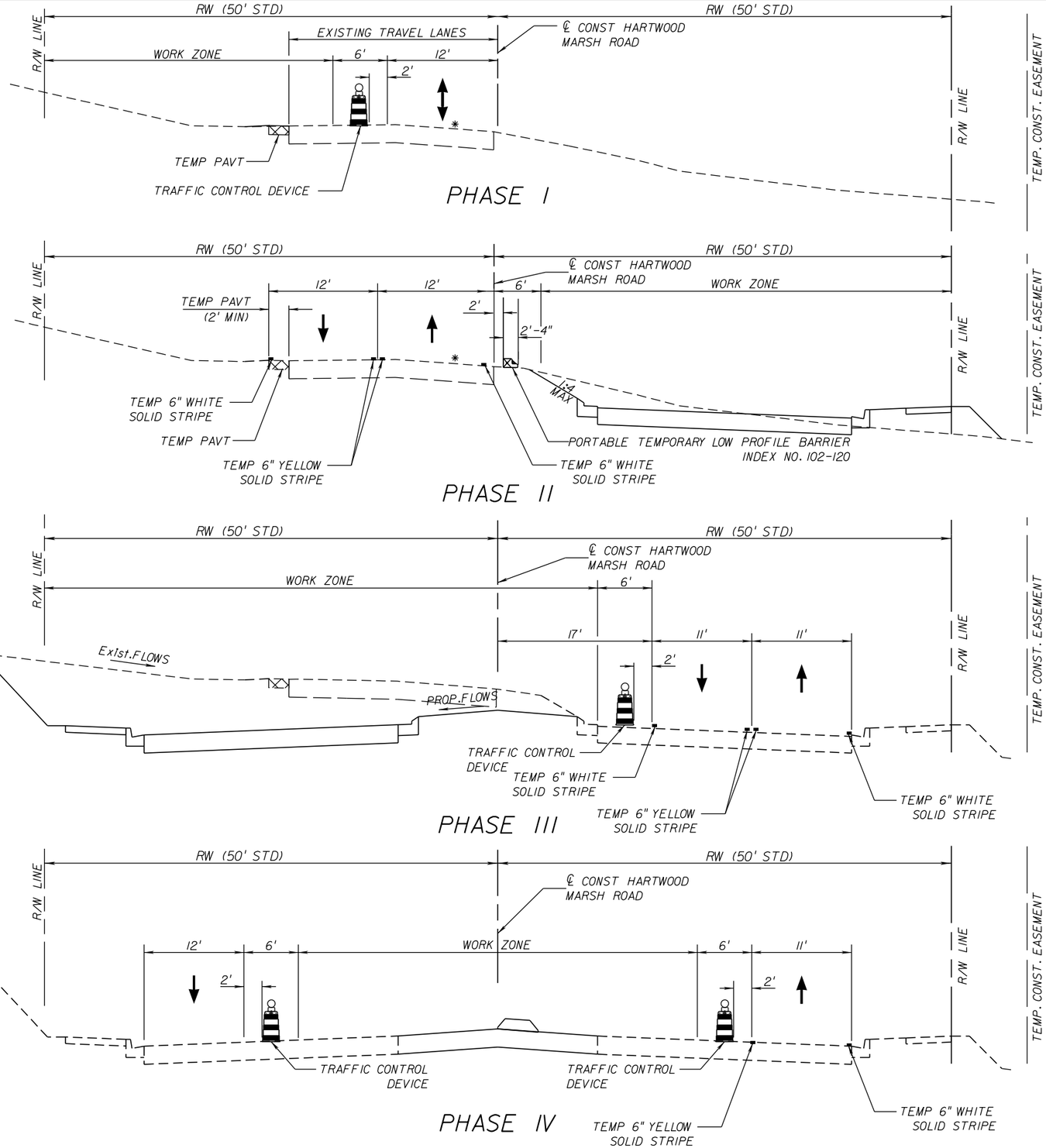
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HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLANS
TYPICAL SECTIONS (2)

SHEET NO. 173

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



STAGE II - HARTWOOD MARSH ROAD

PHASE NOTES

PHASE I - THE INTENT OF THIS PHASE IS TO CONSTRUCT TEMPORARY PAVEMENT, PONDS, AND STORM SEWER PIPES AND STRUCTURES IN PREPARATION FOR PHASE II.

1. PLACE ADVANCE WARNING SIGNS AND DEVICES AS SHOWN IN THE PHASE I TYPICAL SECTION AND DETAILS. USE FLAGGERS.
2. CONSTRUCT TEMPORARY PAVEMENT AS SHOWN IN THE PHASE II TRAFFIC CONTROL PLANS.

PHASE II - THE INTENT OF THIS PHASE IS TO CONSTRUCT THE SOUTH SIDE OF THE ROADWAY THROUGH THE STRUCTURAL COURSE.

1. PLACE DEVICES AND SHIFT TRAFFIC TO THE PHASE II CONDITION, AS SHOWN IN THE TYPICAL SECTION.
2. CONSTRUCT THE PORTIONS OF THE SOUTH SIDE OF THE ROADWAY AS SHOWN IN THE PHASE II WORK ZONE.

PHASE III - THE INTENT OF THIS PHASE IS TO CONSTRUCT THE NORTH SIDE OF THE ROADWAY, INCLUDING THE PRIVACY RETAINING WALL, THROUGH THE STRUCTURAL COURSE.

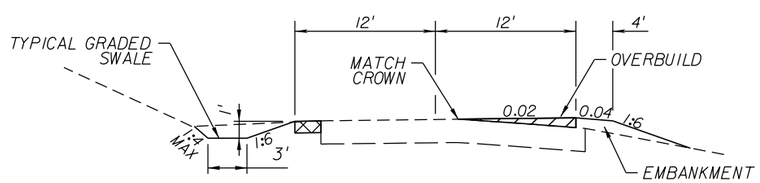
1. PLACE DEVICES AND SHIFT TRAFFIC TO THE PHASE III CONDITION, AS SHOWN IN THE TYPICAL SECTION.
2. CONSTRUCT THE PORTIONS OF THE NORTH SIDE OF THE ROADWAY SHOWN IN THE PHASE III WORK ZONE.

PHASE IV - THE INTENT OF THIS PHASE IS TO COMPLETE CONSTRUCTION OF THE MEDIAN IMPROVEMENTS.

1. PLACE DEVICES AND SHIFT TRAFFIC TO THE PHASE IV CONDITION, AS SHOWN IN THE TYPICAL SECTION.
2. CONSTRUCT THE MEDIAN IMPROVEMENTS.

PHASE V - THE INTENT OF THIS PHASE IS TO PLACE THE FRICTION COURSE AND FINAL PAVEMENT MARKINGS.

1. PLACE FRICTION COURSE WITHIN THE LIMITS OF THE PHASE IV WORK ZONE.
2. SHIFT TRAFFIC TO THE MEDIAN LANES.
3. PLACE REMAINING FRICTION COURSE AND FINAL PAVEMENT MARKINGS.



*STA 133+00.00 TO STA 155+50.00

IN LIEU OF OVERBUILD, PROVIDE TEMPORARY DRAINAGE BETWEEN TRAVEL WAY AND WORK ZONE

TYPICAL SECTIONS
STA 118+60.00 TO STA 155+50.00
STAGE II - HARTWOOD MARSH ROAD

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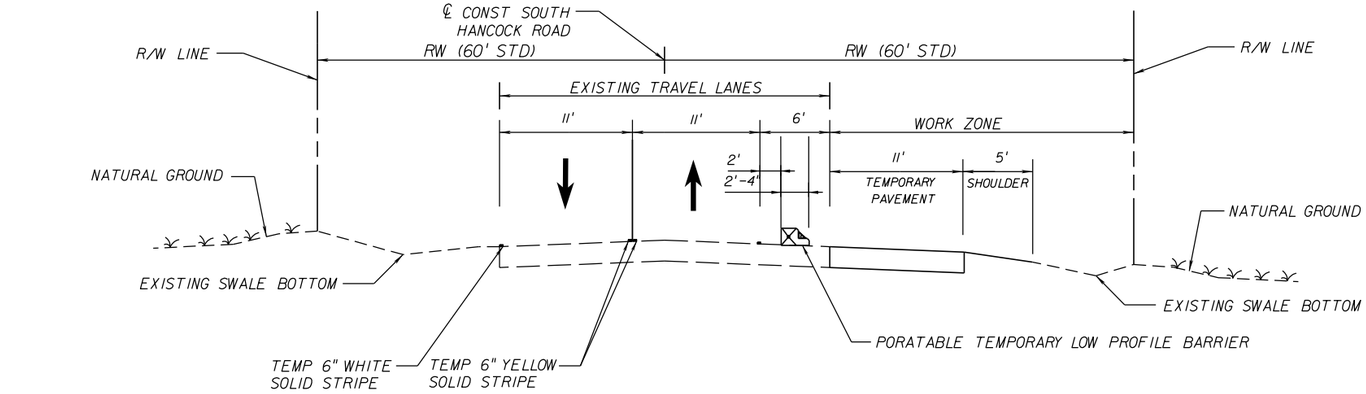
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HARTWOOD MARSH ROAD - PHASE I

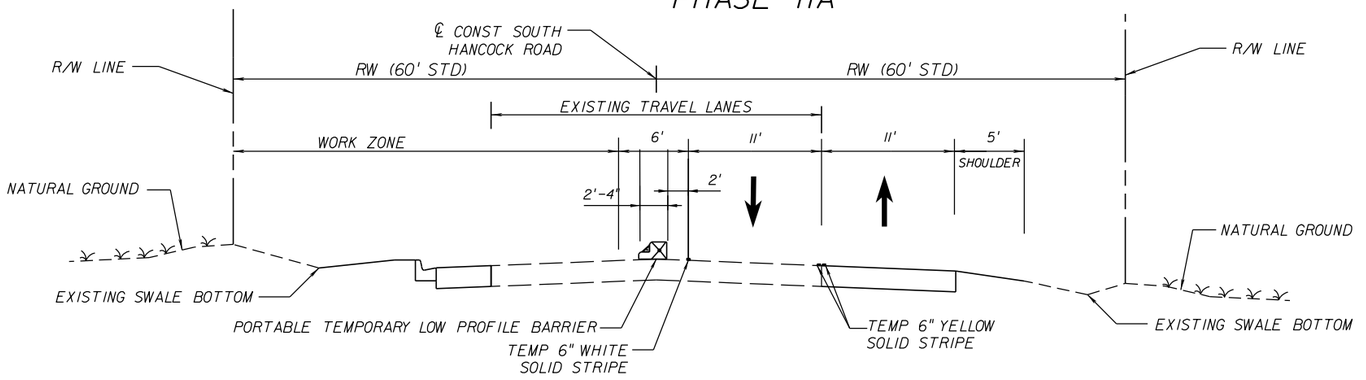
TRAFFIC CONTROL PLANS
TYPICAL SECTIONS (3)

SHEET NO. 174

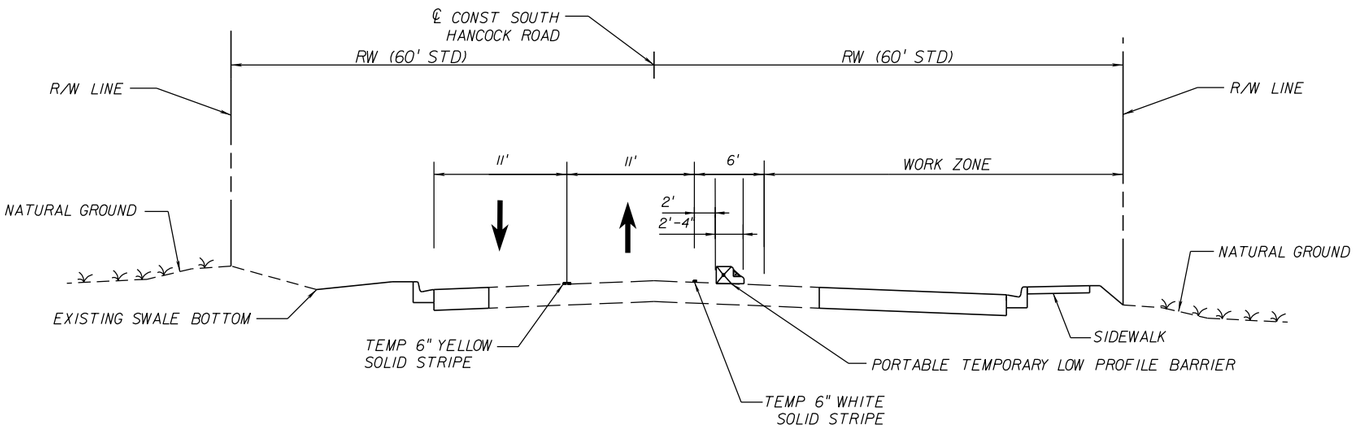
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PHASE IIA



PHASE IIB



PHASE IIC

NOT TO SCALE

STAGE III - S. HANCOCK ROAD

PHASE NOTES

PHASE IIA - THE INTENT OF THIS PHASE IS TO CONSTRUCT THE TEMPORARY PAVEMENT ON THE EAST SIDE OF THE ROADWAY

1. PLACE DEVICES AND SHIFT TRAFFIC TO THE PHASE IIA CONDITION, AS SHOWN IN THE TYPICAL SECTION.
2. CONSTRUCT THE PORTIONS OF THE EAST SIDE OF THE ROADWAY AS SHOWN IN THE PHASE IIA WORK ZONE.
3. CONSTRUCT PHASE IIA SOUTH HANCOCK ROAD WITH PHASE II OF HARTWOOD MARSH ROAD.

PHASE IIB - THE INTENT OF THIS PHASE IS TO CONSTRUCT THE WEST SIDE OF THE ROADWAY THROUGH THE STRUCTURAL COURSE.

1. PLACE DEVICES AND SHIFT TRAFFIC TO THE PHASE IIB CONDITION, AS SHOWN IN THE TYPICAL SECTION.
2. CONSTRUCT THE PORTIONS OF THE WEST SIDE OF THE ROADWAY AS SHOWN IN THE PHASE IIB WORK ZONE.

PHASE IIC - THE INTENT OF THIS PHASE IS TO CONSTRUCT THE EAST SIDE OF THE ROADWAY THROUGH THE STRUCTURAL COURSE.

1. PLACE DEVICES AND SHIFT TRAFFIC TO THE PHASE IIC CONDITION, AS SHOWN IN THE TYPICAL SECTION.
2. CONSTRUCT THE PORTIONS OF THE EAST SIDE OF THE ROADWAY AS SHOWN IN THE PHASE IIC WORK ZONE.

PHASE IID - THE INTENT OF THIS PHASE IS TO MILL AND RESURFACE THE EXISTING TRAVEL LANES.

1. PLACE DEVICES AND SHIFT TRAFFIC TO THE OUTSIDE LANES, AS SHOWN IN THE TYPICAL SECTION.
2. MILL AND RESURFACE

TYPICAL SECTIONS
STA. 473+00.00 TO STA. 482+58.00

STAGE III - S. HANCOCK ROAD

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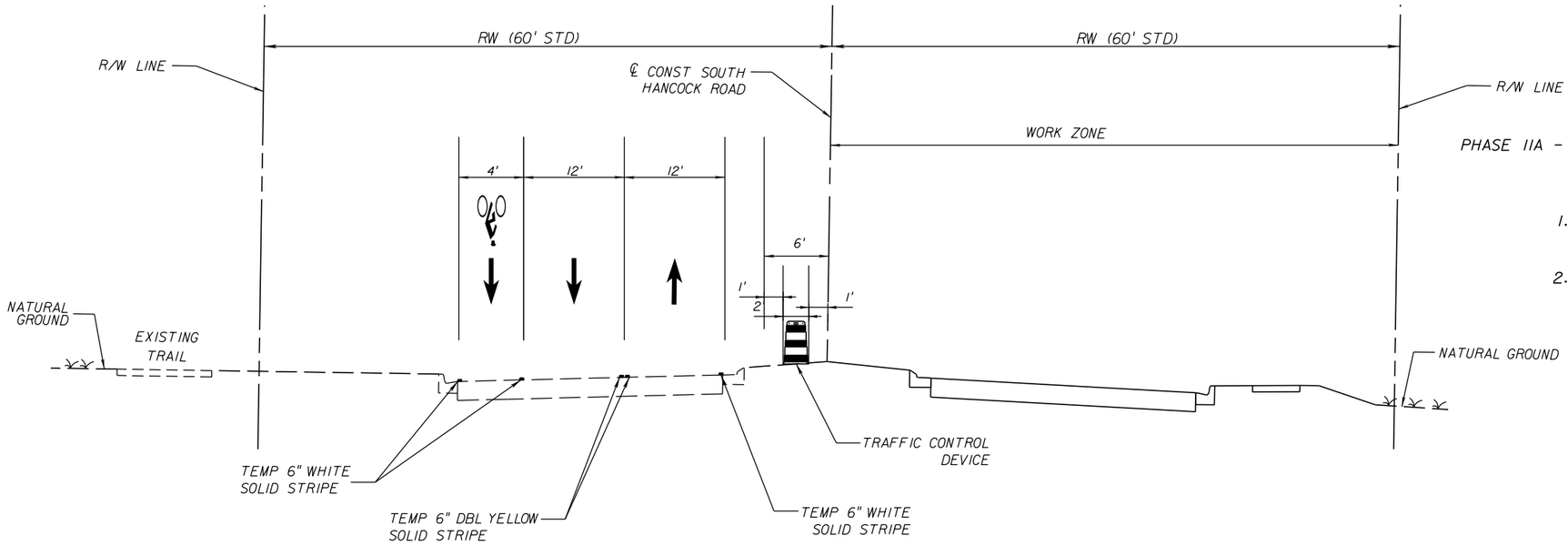
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HARTWOOD MARSH ROAD - PHASE I

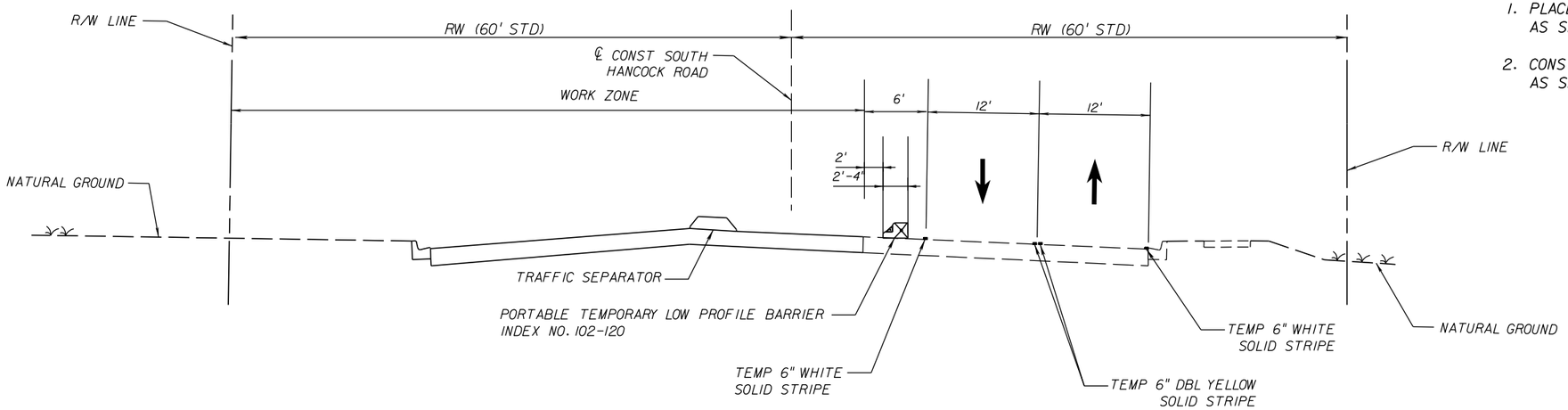
TRAFFIC CONTROL PLANS
TYPICAL SECTIONS (5)

SHEET NO. 175

STAGE III - S. HANCOCK ROAD



PHASE IIA



PHASE IIB

NOT TO SCALE

PHASE NOTES

PHASE IIA - THE INTENT OF THIS PHASE IS TO CONSTRUCT THE EAST SIDE OF THE ROADWAY THROUGH THE STRUCTURAL COURSE.

1. PLACE DEVICES AND SHIFT TRAFFIC TO THE PHASE IIA CONDITION, AS SHOWN IN THE TYPICAL SECTION.
2. CONSTRUCT THE PORTIONS OF THE EAST SIDE OF THE ROADWAY AS SHOWN IN THE PHASE IIA WORK ZONE.

PHASE IIB - THE INTENT OF THIS PHASE IS TO CONSTRUCT THE WEST SIDE OF THE ROADWAY THROUGH THE STRUCTURAL COURSE.

1. PLACE DEVICES AND SHIFT TRAFFIC TO THE PHASE IIA CONDITION, AS SHOWN IN THE TYPICAL SECTION.
2. CONSTRUCT THE PORTIONS OF THE EAST SIDE OF THE ROADWAY AS SHOWN IN THE PHASE IIA WORK ZONE.

TYPICAL SECTIONS
STA. 467+71.47 TO STA. 471+64.00

STAGE III - S. HANCOCK ROAD

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DATE	BY	DESCRIPTION

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OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
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PHONE NO. (407) 704-7815
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ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLANS
TYPICAL SECTIONS (4)

SHEET NO. 176

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

MATCHLINE STA. 611+60.00

OPTION I TEMP SIDEWALK

(FOR CW PHASE II) SIDEWALK CLOSED

(FOR CW PHASE I) SIDEWALK CLOSED

NOTE: (CW OPTION I & II) ADJUST CROSS WALK STRIPING & SIGNAGE AS REQUIRED THROUGH WORK ZONE, AS SHOWN. STRIPING SHOWN IS DASHED ONLY TO SHOW A DIFF PHASE.

KINGS RIDGE SHOPPING MALL

TEMP 6" SOLID WHITE

TEMP LOW PROFILE BARRIER WALL (INDEX 102-120)

BEGIN LOW PROFILE BARRIER WALL 103+86, 4.5' LT

TEMP 6" SOLID WHITE WITH W/R RPM'S @ 20'

R/W LINE

TEMP 6" DOUBLE SOLID YELLOW

TEMP 6" SOLID WHITE

DEVICES SPACED @ 25' CENTERS

TEMPORARY CONSTRUCTION EASEMENT

TEMPORARY CONSTRUCTION EASEMENT

BEGIN LOW PROFILE BARRIER WALL 107+86, 4.5' LT

END LOW PROFILE BARRIER WALL 107+41, 4.5' LT

+24 38.3' LT

DEVICES SPACED @ 25' CENTERS

BEGIN CONSTRUCTION STA 102+78.16

PEDESTRIAN LCD IN WORK ZONE

60' R

CONST. NORTH PIPE CROSSING AND INLET

℄ CONST HARTWOOD MARSH ROAD

CONST. NORTH PIPE CROSSING AND INLET

+39 2.5' RT

25' R (TYP)

+63 7.5' LT

+92 24' RT

+24 24' RT

TEMP 24" SOLID WHITE

TEMP PAVT

+69 45.5' RT

+90

+32

SEE NOTE CW OPTION I

SEE NOTE CW OPTION II

+92 24.5' RT

+97 24.5' RT (FOR CW PHASE II)

40' R

+22.6 35.5' RT

FLAT GRATE INLET TOP: 157.95' E INV: 154.95'

TEMP DBI TOP GRATE EL: 158.00

TEMP 24" SOLID WHITE

GRADE SWALE

R/W LINE

TEMPORARY CONSTRUCTION EASEMENT

TEMP. PAVEMENT

TEMP 6" SOLID WHITE

TEMP DIRECTIONAL ARROWS (TYP)

TEMP CAP

REMOVE SIDEWALK, GRADE SWALE

TEMP 6" DOUBLE SOLID YELLOW WITH Y/Y RPM'S @ 20'

+84.6 88.2' RT

R/W LINE

BEGIN ASPHALT CURB 107+90, 37.5' RT

MATCHLINE STA. 108+00.00

S 89° 42' 05" E

0 10 40 Feet

N

LEGEND

- Work Zone
- Direction of Traffic
- Type I Or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only)
- Type III Barricade (With Flashing Light)
- Pedestrian LCD
- Work Zone Sign
- (CR) Temporary Curb Ramp
- Temporary Pavement

SPEED LIMIT 40

ONLY

STOP

KINGS RIDGE SHOPPING MALL

MATCHLINE STA. 108+00.00

TEMPORARY CONSTRUCTION EASEMENT

END LOW PROFILE BARRIER WALL 111+30, 4.1' LT

TEMP 6" SOLID WHITE

TEMP 6" SOLID DOUBLE YELLOW

END LOW PROFILE BARRIER WALL 113+51, 4.1' LT

DEVICES SPACED @ 10' CENTERS

BEGIN LOW PROFILE BARRIER WALL 111+88, 4.1' LT

R/W LINE

TEMP 6" SKIP YELLOW (10'-30') WITH Y/Y RPM'S @ 40'

TEMP LOW PROFILE BARRIER WALL (INDEX 102-120)

TEMP 6" SOLID WHITE

℄ CONST HARTWOOD MARSH ROAD

R/W LINE

CONST. NORTH PIPE CROSSING AND INLET

TEMP 6" SOLID WHITE PI STA. 109+66.25

CONST. NORTH PIPE CROSSING AND INLET

TEMP 6" DOUBLE SOLID YELLOW WITH Y/Y RPM'S @ 40'

25' R (TYP)

+71 7.1' LT

TEMP 24" SOLID WHITE

S 89° 42' 05" E

+80 13.5' RT

FLAT GRATE INLET TOP: 152.95' E INV: 150.04'

+30 13.91' RT

+96 24.91' RT

+63 45.5' RT

+91

+31

+40

+30 24.5' RT

TEMP CAP

RELOCATE EXISTING FIRE STATION SIGN

END ASPHALT CURB 111+14, 41.9' RT

+42

GRADE SWALE

RELOCATE EXISTING SPEED LIMIT SIGN

R/W LINE

ASPHALT CURB

TEMP DIRECTIONAL ARROWS (TYP)

TEMP 6" SOLID YELLOW WITH Y/Y RPM'S @ 40'

TEMP 6" SOLID WHITE

TEMP 6" DOUBLE SOLID YELLOW WITH Y/Y RPM'S @ 20'

TEMP 18" SOLID YELLOW WITH RPM'S @ 20'

TEMP DBI TOP GRATE EL: 152.50

TEMP 24" SOLID WHITE

TEMP 6" SOLID WHITE

TEMPORARY CONSTRUCTION EASEMENT

RELOCATE EXIST "STOP HERE ON RED" SIGN

0 10 40 Feet

N

STOP

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OM ENGINEERING SERVICES, INC. Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC. 621 E. WASHINGTON ST., STE 8 ORLANDO, FLORIDA 32801 PHONE NO. (407) 704-7815 FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E. P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN PHASE II

SHEET NO. 177

CLERMONT FIRE DEPT. STATION 2

TEMP 6" SOLID WHITE

TEMP 6" SOLID WHITE

TEMP 6" DOUBLE SOLID YELLOW WITH Y/Y RPM'S @ 40'

R/W LINE

TEMP 6" SOLID WHITE

DEVICES SPACED @ 25' CENTERS

DANBURY MILL BLVD

TEMP 6" SOLID DOUBLE YELLOW

BEGIN LOW PROFILE BARRIER WALL
115+96, 4.5' LT

℄ CONST HARTWOOD MARSH ROAD

TEMPORARY CONSTRUCTION EASEMENT

TEMP CAP

TEMP 6" SOLID WHITE

R/W LINE

CONST. NORTH PIPE CROSSING AND INLET

CONST PIPE CROSSING

TEMP 18" SOLID YELLOW WITH Y/Y RPM'S @ 20'

TEMP LOW PROFILE BARRIER WALL (INDEX 102-120)

PC
+90
2.5' RT

MATCHLINE STA. 113+60.00

MATCHLINE STA. 119+20.00

PI STA. 115+39.23

+63
29.4' LT

TEMP 24" SOLID WHITE

114 115 116 117 118 119

114+00 114+50 115+00 115+50 116+00 116+50 117+00 117+50 118+00 118+50 119+00

25' R (TYP)

40'

RELOCATE EXISTING " STOP HERE ON RED" SIGN

+40.17
2.92' RT

AB-114R
ELEVATION=149.7

+06

+15

+26

45' R

45' R

+96

5.5' R

1080' R

+09
13.5' RT

+09
24.5' RT

TEMP 24" SOLID WHITE

TEMP CAP

GRADE SWALE

TEMP 6" SOLID WHITE

R/W LINE

TEMP DIRECTIONAL ARROWS (TYP)

TEMP 6" SKIP WHITE (2'-4')

TEMP 6' SOLD WHITE WITH W/R RPM'S @ 20'

TEMPORARY CONSTRUCTION EASEMENT

TEMP CAP

GRADE SWALE PC
BEGIN DIVERSION
+39, 35.5' RT

DEVICES SPACED @ 50' CENTERS

TEMP 6" SOLID WHITE WITH W/R RPM'S @ 5'

1080' R

TEMP 6" SOLID DOUBLE YELLOW WITH Y/Y RPM'S @ 5'

+93
25.1' RT

TEMP CAP

TEMP PAVT FOR PHASE III

STAGE I - HARTWOOD MARSH | STAGE II-HARTWOOD MARSH

0 10 40 Feet

N

END LOW PROFILE BARRIER WALL
120+76, 34.8' LT

TEMP 6" SOLID WHITE WITH W/R RPM'S @ 5'

TEMP LOW PROFILE BARRIER WALL (INDEX 102-120)

1080' R

PRC
+62
11.2' LT

1104' R

R/W LINE

DWG 064

TEMP 6" SOLID WHITE

TEMP 6" DOUBLE SOLID YELLOW WITH Y/Y RPM'S @ 40'

PT
+37
25.25' LT

+63
13.5' LT

25.25'

12'

AB-123L
ELEVATION=121.2

MATCHLINE STA. 119+20.00

120 121 122 123 124

119+50 120+00 120+50 121+00 121+50 122+00 122+50 123+00 123+50 124+00 124+50

MATCHLINE STA. 124+80.00

AB-120R
ELEVATION=127.4

1080' R

+67
17.0' RT

PT
END DIVERSION
+37, 1.25' LT

CONST. INLET

DEVICES SPACED @ 50' CENTERS

℄ CONST HARTWOOD MARSH ROAD

CONST. INLET AND PIPE

PRC
+35
17.8' RT

+68
12.2' RT

1102' R

+67
39.0' RT

TEMP 6" DOUBLE SOLID YELLOW WITH Y/Y @ 5'

TEMP 6" SOLID WHITE WITH W/R RPM'S @ 5'

TEMP PAVT FOR PHASE III

LEGEND

Work Zone

Temporary Pavement

Direction of Traffic

Type I Or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only)

Work Zone Sign

Type III Barricade (With Flashing Light)

R/W LINE

TEMPORARY CONSTRUCTION EASEMENT

0 10 40 Feet

N

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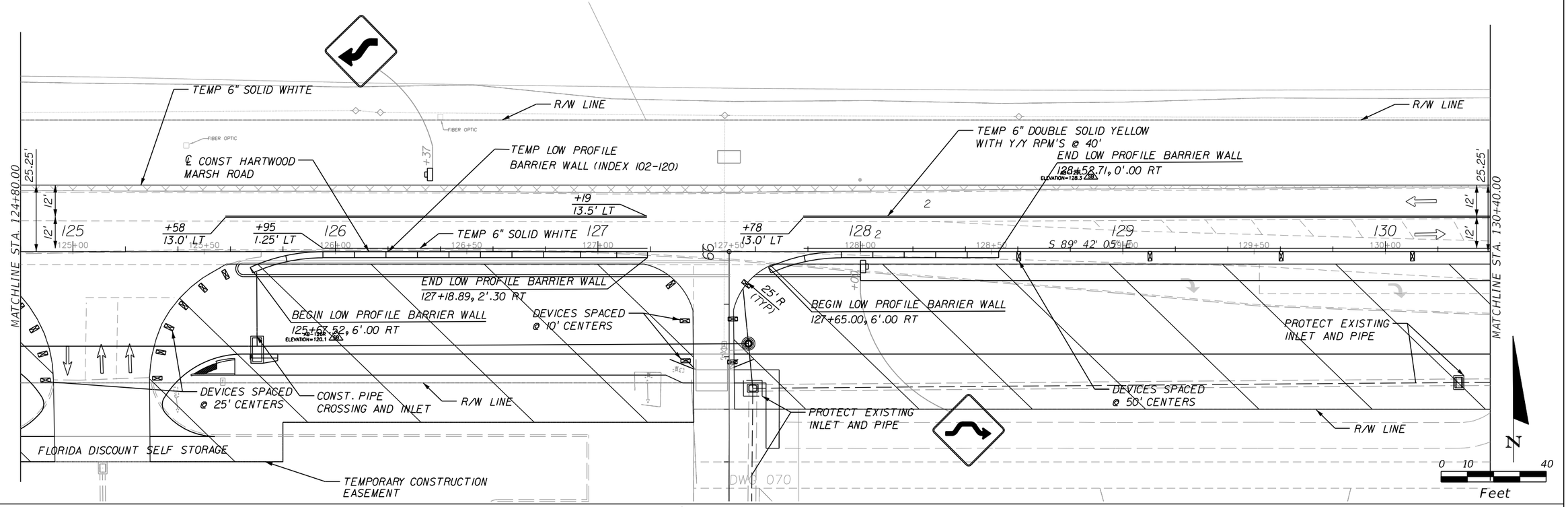
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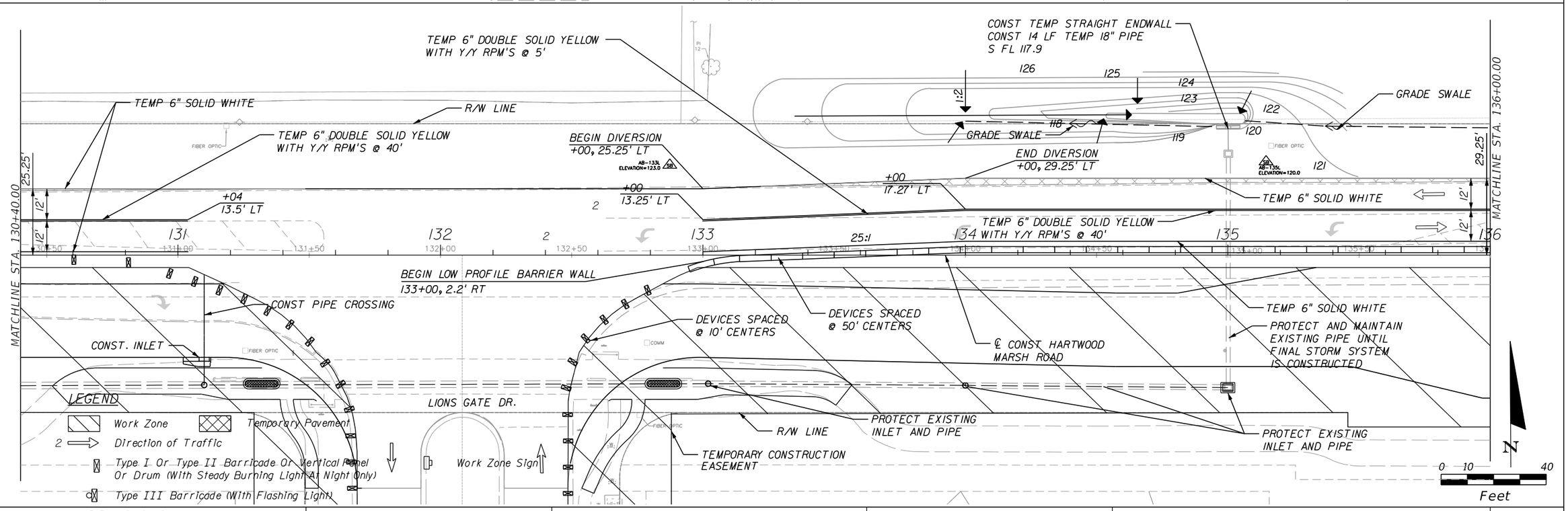
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HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN PHASE II

SHEET NO. 178





REVISIONS		
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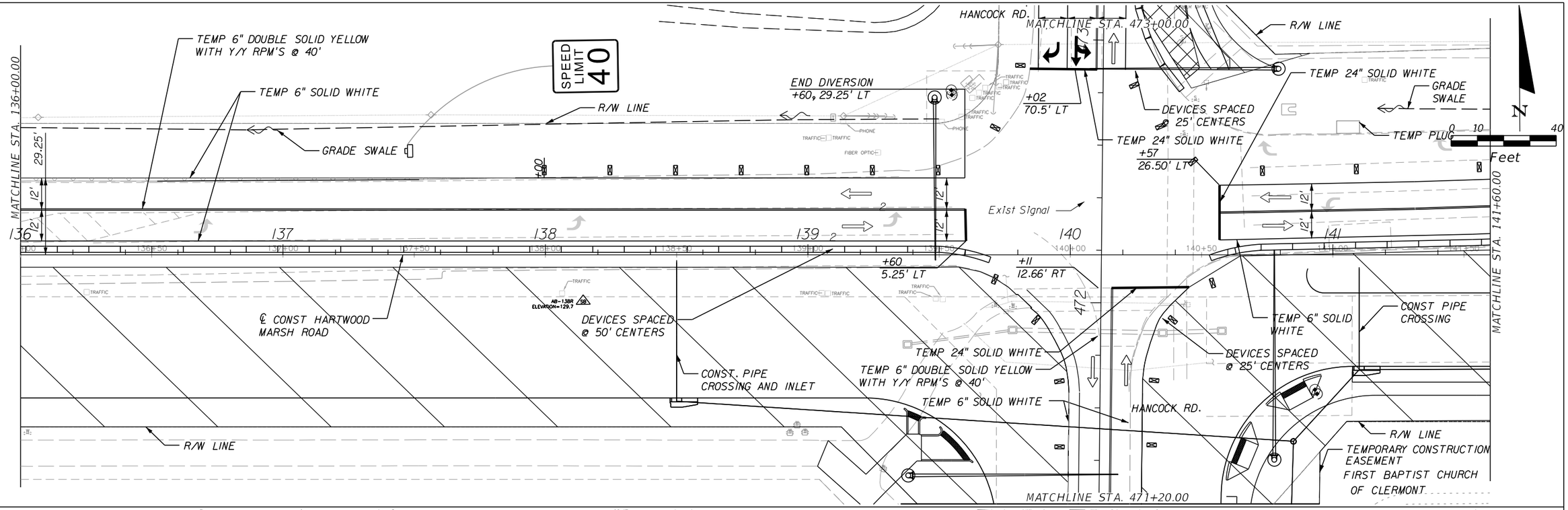
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN PHASE II

SHEET NO. 179

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN PHASE II

SHEET NO. 180

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LEGEND

Work Zone | Temporary Pavement | Work Zone Sign

2 Direction of Traffic

Type I Or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only)

Type III Barricade (With Flashing Light)

DWG 078

MATCHLINE STA. 147+20.00

TEMP 6" SOLID WHITE

DEVICES SPACED @ 50' CENTERS

TEMP 6" DOUBLE SOLID YELLOW

GRADE SWALE

+03 25.35' LT

11'

11'

148

149

150

151

152

14?+50

148+00

148+50

149+00

149+50

150+00

150+50

151+00

151+50

152+00

152+50

+03 13.47' LT

+45 23.74' LT

TEMP 6" DOUBLE SOLID YELLOW WITH Y/Y RPM'S @ 40'

PI STA. 151+60.02

10'

11'

11'

R/W LINE

TEMPORARY CONSTRUCTION EASEMENT

GRADE SWALE

MATCHLINE STA. 152+80.00

℄ CONST HARTWOOD MARSH ROAD

AB-150R SB ELEVATION=155.5

0 10 40

Feet

N

IMAGINE SOUTH LAKE CHARTER

TEMPORARY CONSTRUCTION EASEMENT

R/W LINE

GRADE SWALE

END TEMP PAVEMENT MARKINGS MATCH EXISTING +00, 14.7' LT

GRADE SWALE

TEMP DIRECTIONAL ARROWS (TYP)

AB-153L SB ELEVATION=158.0

TEMP 6" DOUBLE SOLID YELLOW WITH Y/Y RPM'S @ 10'

2.5'/'R

+21 20.3' LT

11'

11'

10'

+08.83 21.63' LT

MATCHLINE STA. 152+80.00

153

154

155

156

157

158

153+00

153+50

154+00

154+50

155+00

155+50

156+00

156+50

157+00

157+50

158+00

+02 0.0' RT

+21 4.5' LT

1.5'

CONST PIPE CROSSING

TEMP 6" SOLID WHITE

AB-156R SB ELEVATION=150.8

+00 3.7' LT

END LOW PROFILE BARRIER WALL 156+00, 0' RT/LT

GRADE DITCH

MATCHLINE STA. 158+40.00

TEMP LOW PROFILE BARRIER WALL (INDEX 102-120)

R/W LINE

CONST PROPOSED OVERBUILD (PHASE I)

℄ CONST HARTWOOD MARSH ROAD

DEVICES SPACED @ 50' CENTERS

0 10 40

Feet

N

REVISIONS		
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OM Engineering Services, Inc.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
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FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

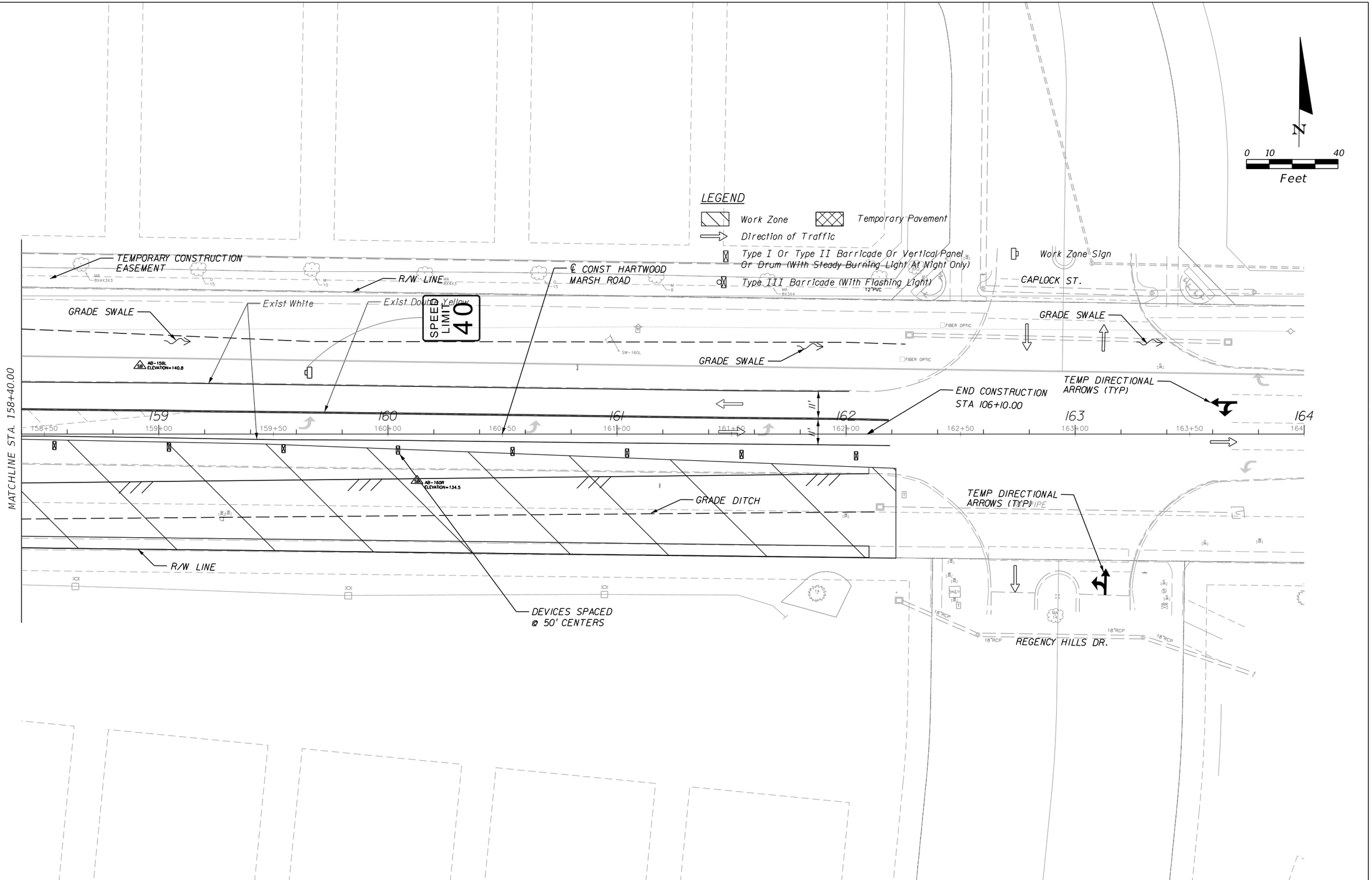
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HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN PHASE II

SHEET NO. 181

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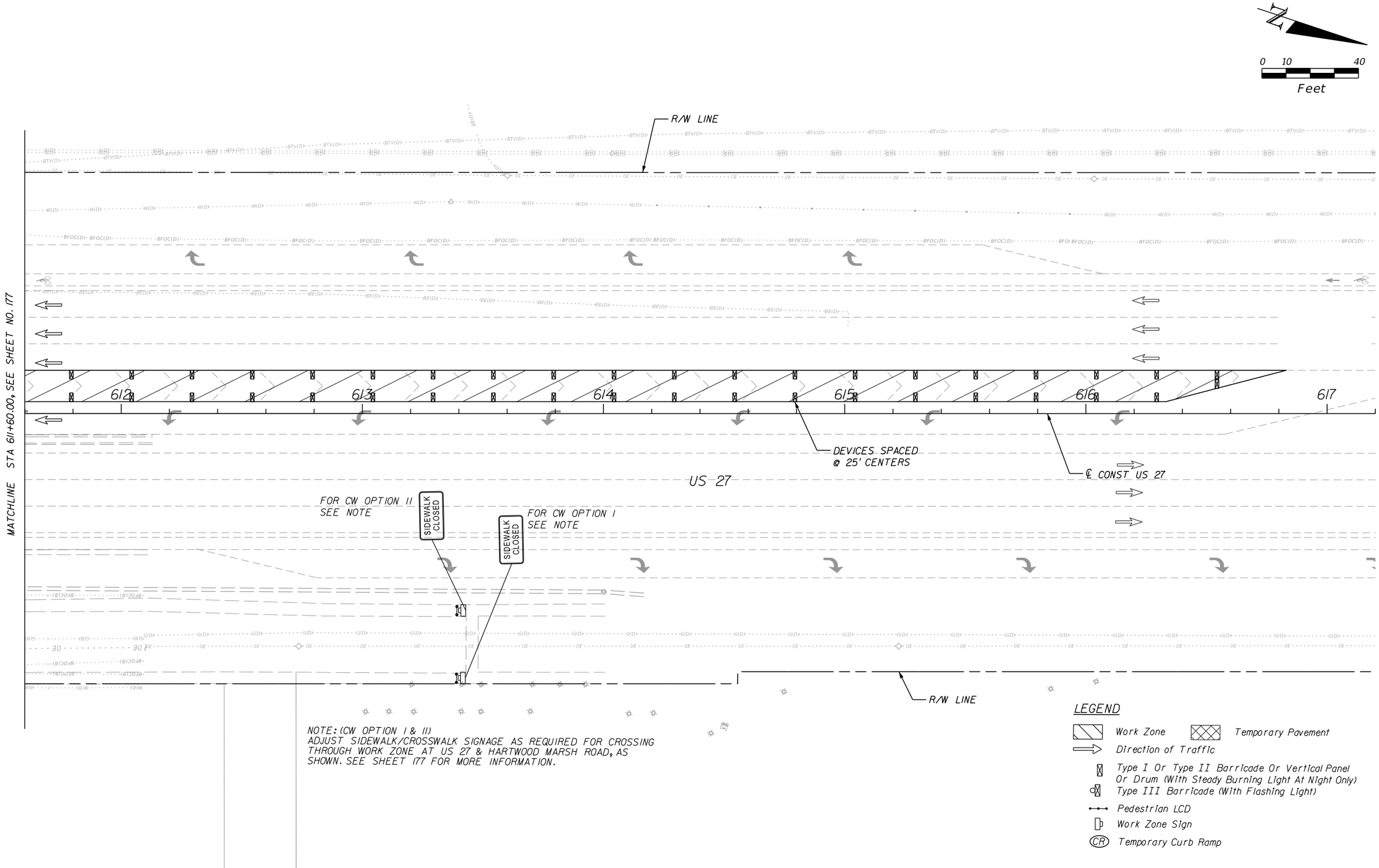
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HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN PHASE II

SHEET NO. 182

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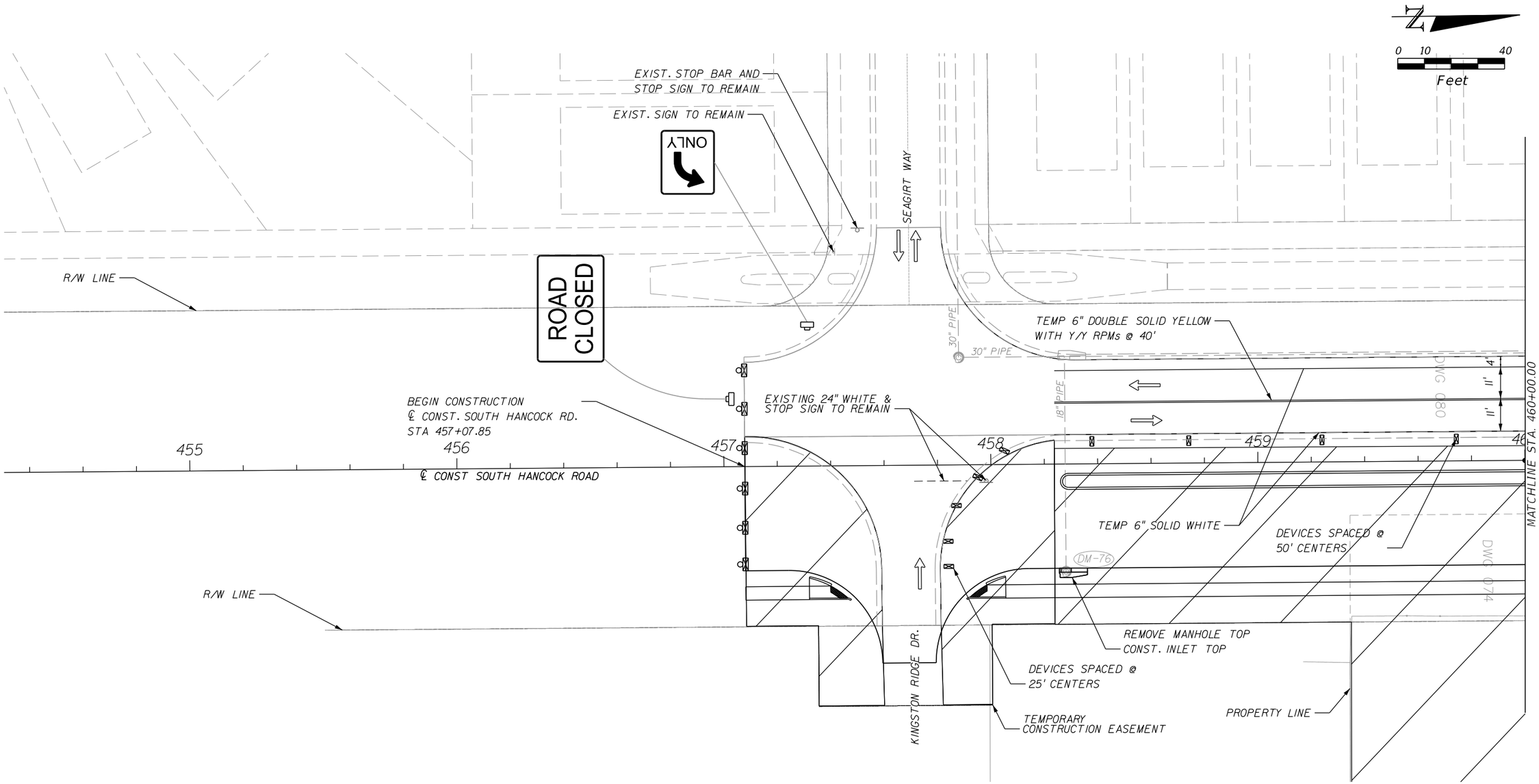
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HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN PHASE II

SHEET NO. 183



LEGEND

- Work Zone
- Temporary Pavement
- Direction of Traffic
- Work Zone Sign
- Type I Or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only)
- Type III Barricade (With Flashing Light)

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LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN
SOUTH HANCOCK ROAD PHASE IIA

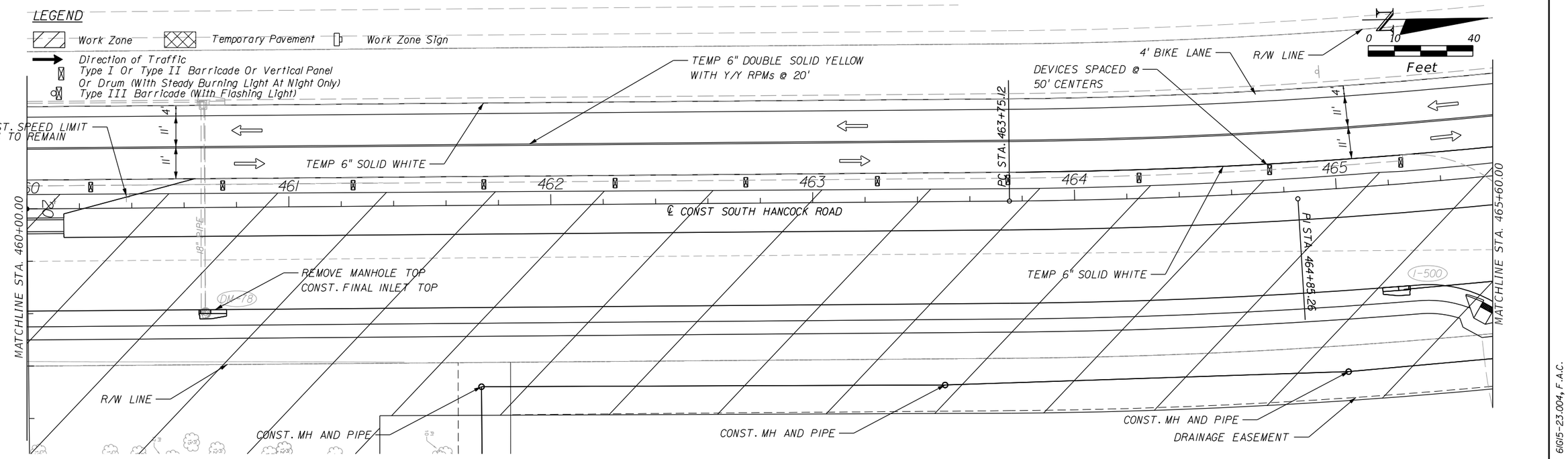
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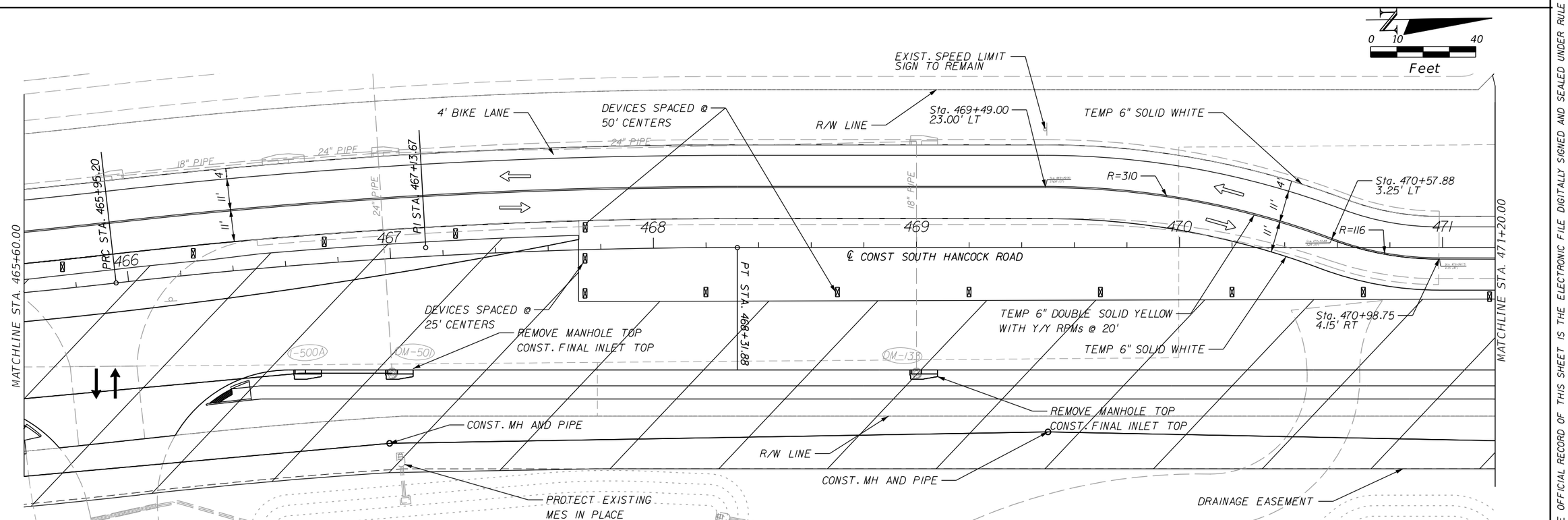
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LEGEND

Work Zone | Temporary Pavement | Work Zone Sign

Direction of Traffic
Type I Or Type II Barricade Or Vertical Panel
Or Drum (With Steady Burning Light At Night Only)
Type III Barricade (With Flashing Light)





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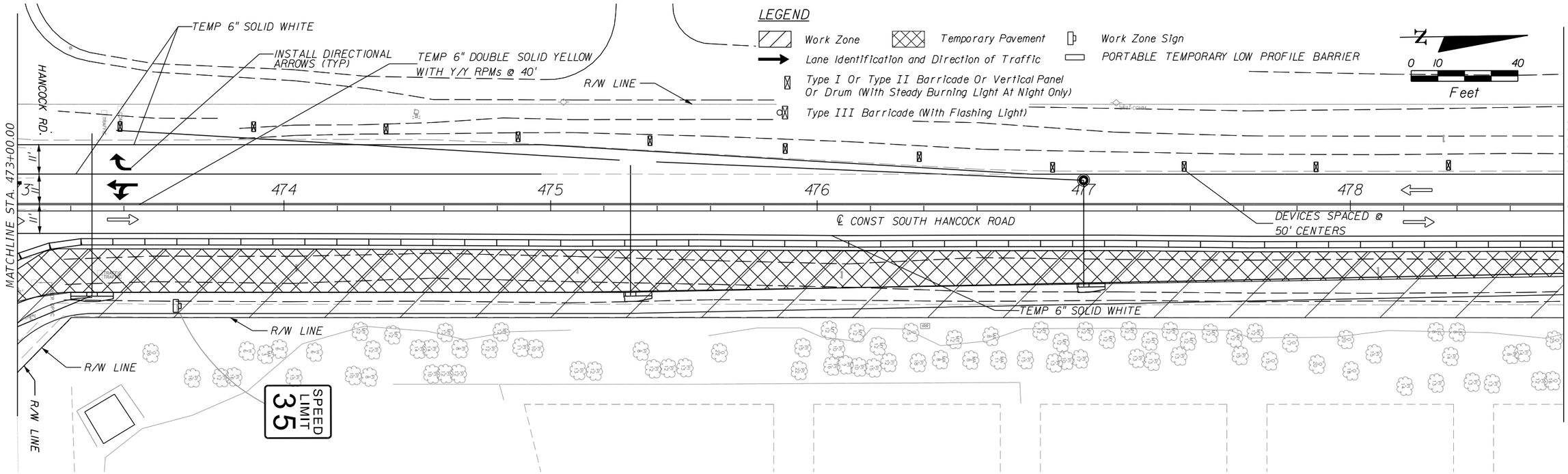
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HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN SOUTH HANCOCK ROAD PHASE IIA

SHEET NO. 185

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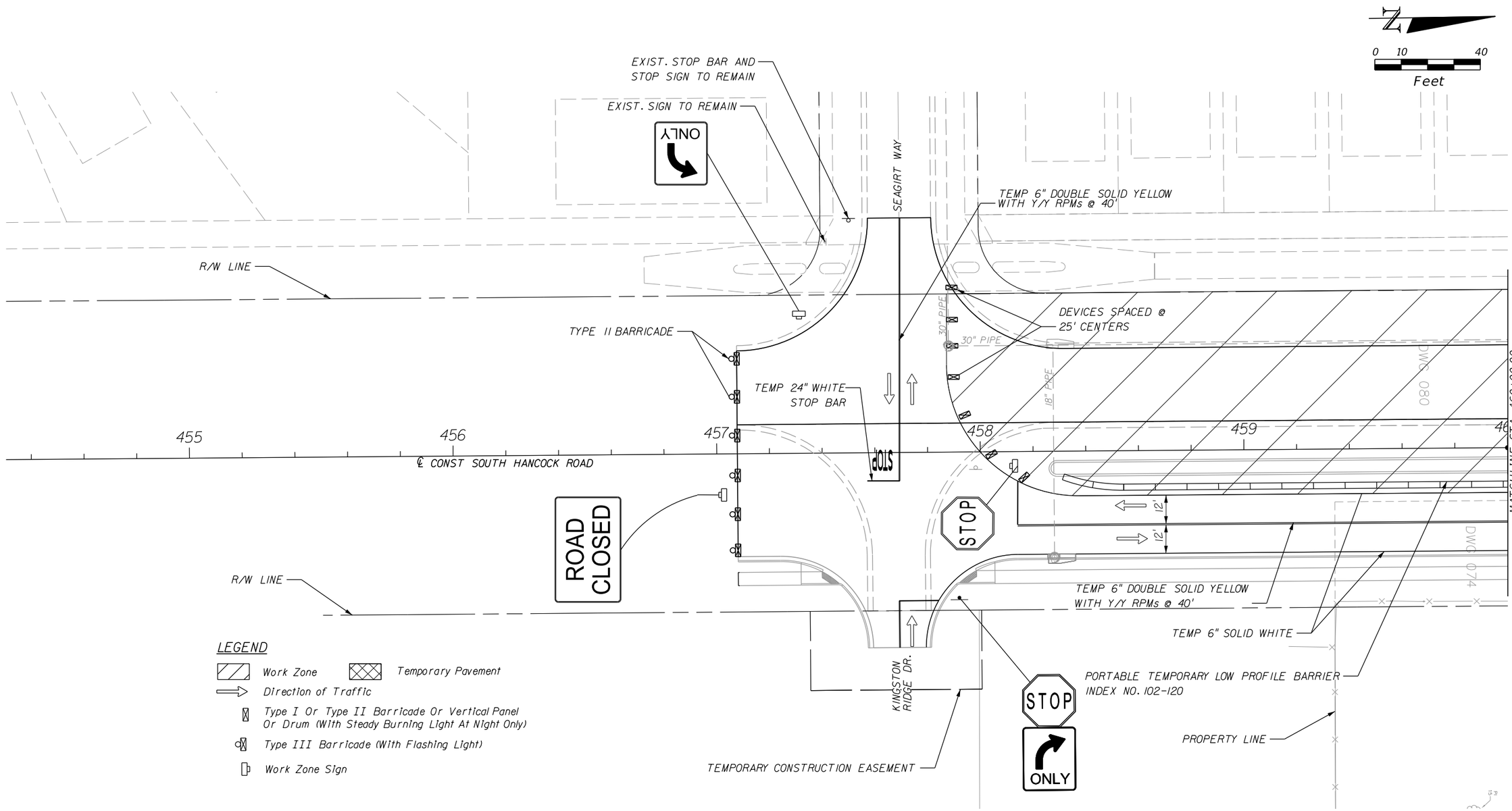
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HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN SOUTH HANCOCK ROAD PHASE IIA

SHEET NO. 186

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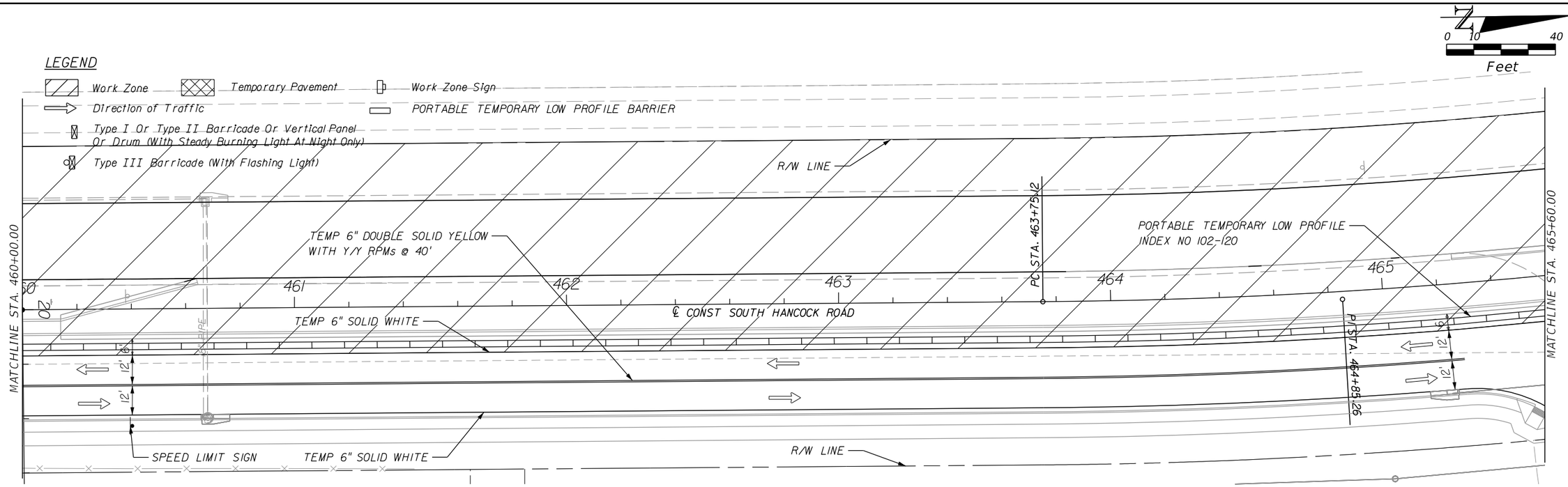
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HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN
SOUTH HANCOCK ROAD PHASE IIB

SHEET NO. 187

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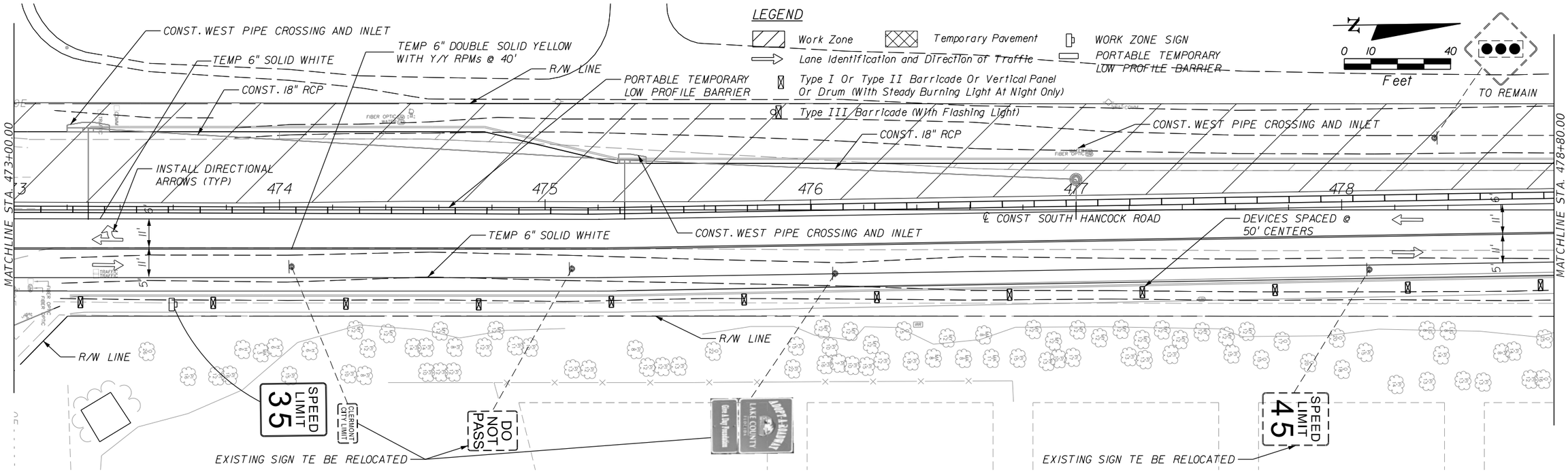
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HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN SOUTH HANCOCK ROAD PHASE IIB

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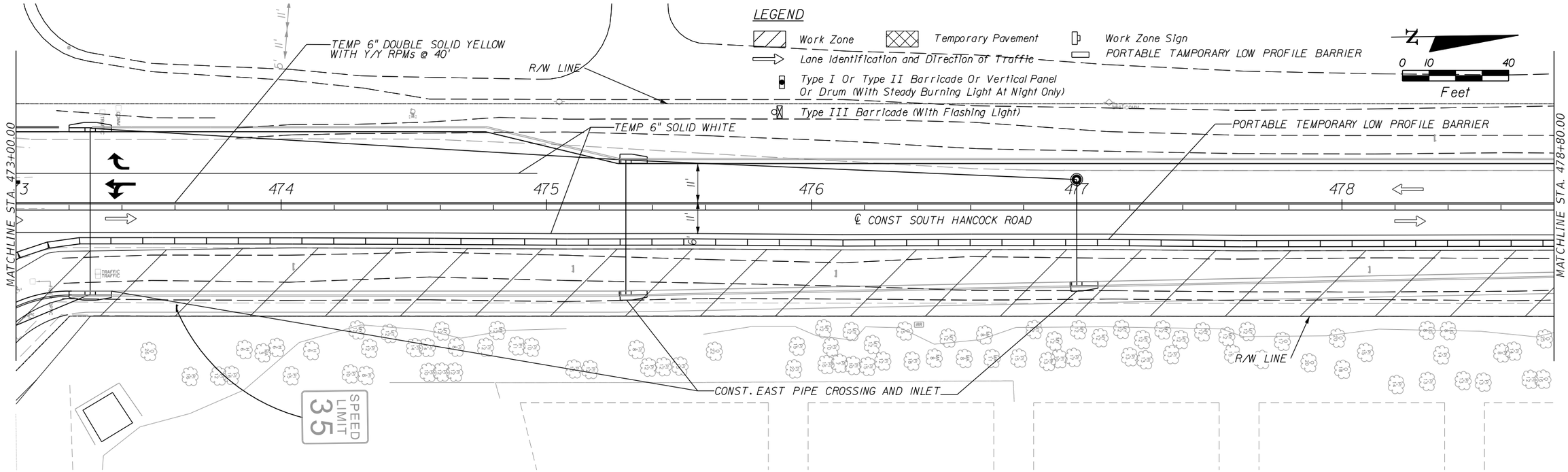
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HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN SOUTH HANCOCK ROAD PHASE IIB

SHEET NO. 189

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LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN SOUTH HANCOCK ROAD PHASE IIC

SHEET NO. 190

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TEMP 24" SOLID WHITE, STA 103+86
TEMP 6" SOLID WHITE
TEMP 6" SOLID WHITE WITH W/R RPM'S @ 20'
R/W LINE
TEMP DIRECTIONAL ARROWS (TYP)
ONLY
STOP
TEMP 6" DOUBLE SOLID YELLOW WITH Y/Y RPM'S @ 40'
Exist 24" Solid White
Exist 6" White
12 SB @
103
104
105
106
107
+08
1.5' LT
S 89° 42' 05" E
+25
BEGIN CONSTRUCTION
STA 102+78.16
BEGIN LOW PROFILE BARRIER WALL
103+91, 10.0' RT
TEMP LOW PROFILE BARRIER WALL (INDEX 102-120)
℄ CONST HARTWOOD MARSH ROAD
END LOW PROFILE BARRIER WALL
107+28, 6.50' RT
+65
6.5' RT
TEMP 6" SOLID WHITE
50' R
DEVICES SPACED @ 10' CENTERS
REMOVE TEMP CAP CONST. INLET TOP
REMOVE DBI TOP CONST. INLET TOP
TEMP 24" SOLID WHITE
+59
64.5' RT
TEMP 6" SOLID WHITE
SIDEWALK CLOSED
280'
SIDEWALK CLOSED
R/W LINE
Exist 6" White
DEVICES SPACED @ 10' CENTERS
TEMP 6" SOLID YELLOW
TEMPORARY CONSTRUCTION EASEMENT
MATCHLINE STA. 108+00.00
0 10 40
Feet
N

KINGS RIDGE SHOPPING MALL
TEMP 6" SOLID YELLOW
TEMP 6" SOLID WHITE
TEMP 24" SOLID WHITE
TEMP 6" DOUBLE SOLID YELLOW WITH Y/Y RPM'S @ 40'
TEMP 6" SOLID WHITE WITH W/R RPM'S @ 20'
TEMP 6" SOLID WHITE
R/W LINE
TEMP 6" SOLID WHITE WITH W/R RPM'S @ 20'
+70
59.8' LT
TEMPORARY CONSTRUCTION EASEMENT
TEMP 6" SOLID WHITE
BEGIN LOW PROFILE BARRIER WALL
112+04, 6.92' RT
TEMP 6" DOUBLE SOLID YELLOW Y/Y RPM's @ 40' CENTERS
R/W LINE
TEMP 6" SOLID WHITE WITH W/R RPM'S @ 20'
12" WHITE @ 3' CENTERS
END LOW PROFILE BARRIER WALL
111+32, 6.92' RT
PT STA. 109+66.25
MATCHLINE STA. 108+00.00
109
110
111
112
113
TEMP DIRECTIONAL ARROWS (TYP)
S 88° 42' 05" E
TEMP LOW PROFILE BARRIER WALL (INDEX 102-120)
TEMP 6" SOLID WHITE
TEMP DIRECTIONAL ARROWS (TYP.)
℄ CONST HARTWOOD MARSH ROAD
+20
1.0' LT
+64
6.5' RT
+18
1.08' LT
DEVICES SPACED @ 10' CENTERS
25' R (TYP)
DEVICES SPACED @ 10' CENTERS
TEMP 6" SOLID WHITE
TEMP LOW PROFILE BARRIER WALL (INDEX 102-120)
BEGIN LOW PROFILE BARRIER WALL
108+00, 6.50' RT
TEMPORARY CONSTRUCTION EASEMENT
R/W LINE
TEMP 24" SOLID WHITE
TEMPORARY CONSTRUCTION EASEMENT
R/W LINE
TEMP 6" SOLID YELLOW
TEMP 6" SOLID WHITE
MATCHLINE STA. 113+60.00
0 10 40
Feet
N

LEGEND
Work Zone
Temporary Pavement
Direction of Traffic
Work Zone Sign
Type I Or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only)

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LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN STAGE II PHASE III

SHEET NO. 191

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CLERMONT FIRE DEPT. STATION 2

TEMP 6" SOLID WHITE

TEMP 6" DOUBLE SOLID YELLOW WITH Y/Y RPM'S @ 40'

TEMP DIRECTIONAL ARROWS (TYP)

R/W LINE

TEMP 6" SOLID WHITE WITH W/R RPM'S @ 20'

STOP

DANBURY MILL BLVD

BEGIN DIVERSION
PC
+14, 34.5' LT

TEMP 6" DOUBLE SOLID YELLOW WITH Y/Y RPM'S @ 5'

TEMP 6" SOLID WHITE WITH W/R RPM'S @ 5'

TEMPORARY CONSTRUCTION EASEMENT

R/W LINE

REMOVE TEMP CAP
CONST. INLET TOP

MATCHLINE STA. 113+60.00

PI STA. 115+39.23

5.5' R

+16

+95

11'

11'

11'

1.5'

114

115

116

117

118

119

1113' R

PRC
+35
8.4' LT

+34

MATCHLINE STA. 119+20.00

SB
AB=114R
ELEVATION=149.7

TEMP 6" SOLID WHITE

TEMP LOW PROFILE BARRIER WALL (INDEX 102-120)

PC
+49
1.5' LT

1080' R

TEMP 18" SOLID YELLOW @ 10' CENTERS

PRC
+56
18.5' RT

1102' R

℄ CONST HARTWOOD MARSH ROAD

R/W LINE

R/W LINE

TEMP CAP
(FROM PHASE 2)

TEMP 6" SOLID WHITE WITH W/R RPM'S @ 5'

DEVICES SPACED @ 50' CENTERS

TEMP CAP
(FROM PHASE 2)

END LOW PROFILE BARRIER WALL
116+20, 6.5' RT

TEMPORARY CONSTRUCTION EASEMENT

0 10 40
Feet

N

LEGEND

- Work Zone
- 3 ⟹ Direction of Traffic
- Type I Or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only)
- Temporary Pavement
- Work Zone Sign
- Type III Barricade (With Flashing Light)

TEMPORARY CONSTRUCTION EASEMENT

TOP=126.35'

R/W LINE

CONST. INLET AND REMAINING PIPE CROSSING

CONST. INLET

END DIVERSION
PT
+67, 17.0' RT

DEVICES SPACED @ 10' CENTERS

℄ CONST HARTWOOD MARSH ROAD
ELEVATION=141.2 SB

CONST. REMAINING PIPE CROSSING

MATCHLINE STA. 119+20.00

1080' R

DEVICES SPACED @ 50' CENTERS

120

121

122

123

124

+40

17'

SB
AB=120R
ELEVATION=127.4

25' R
(TYP)

11'

11'

11'

11'

+59

MATCHLINE STA. 124+80.00

DEVICES SPACED @ 50' CENTERS

TEMP 6" DOUBLE SOLID YELLOW WITH Y/Y RPM'S @ 40'

PT
+67, 39.0' RT

TEMPORARY CONSTRUCTION EASEMENT

TEMP 6" SOLID WHITE WITH W/R RPM'S @ 5'

TEMP 6" SOLID WHITE

TEMP 6" DOUBLE SOLID YELLOW WITH Y/Y RPM'S @ 5'

0 10 40
Feet

N

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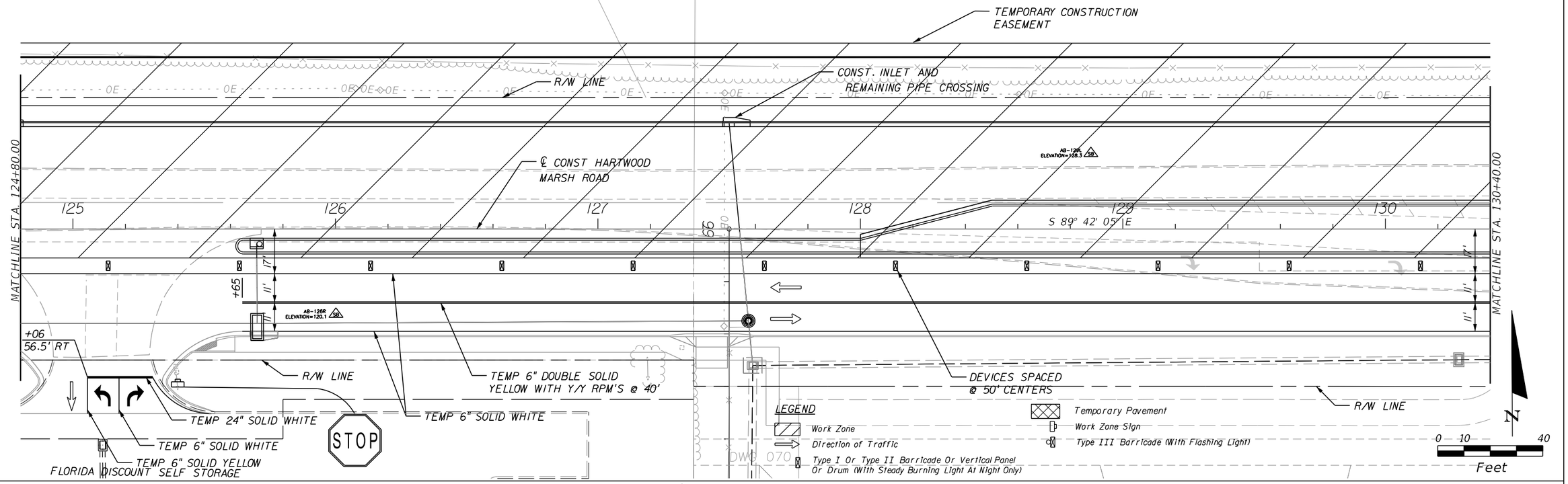
HARTWOOD MARSH ROAD - PHASE I

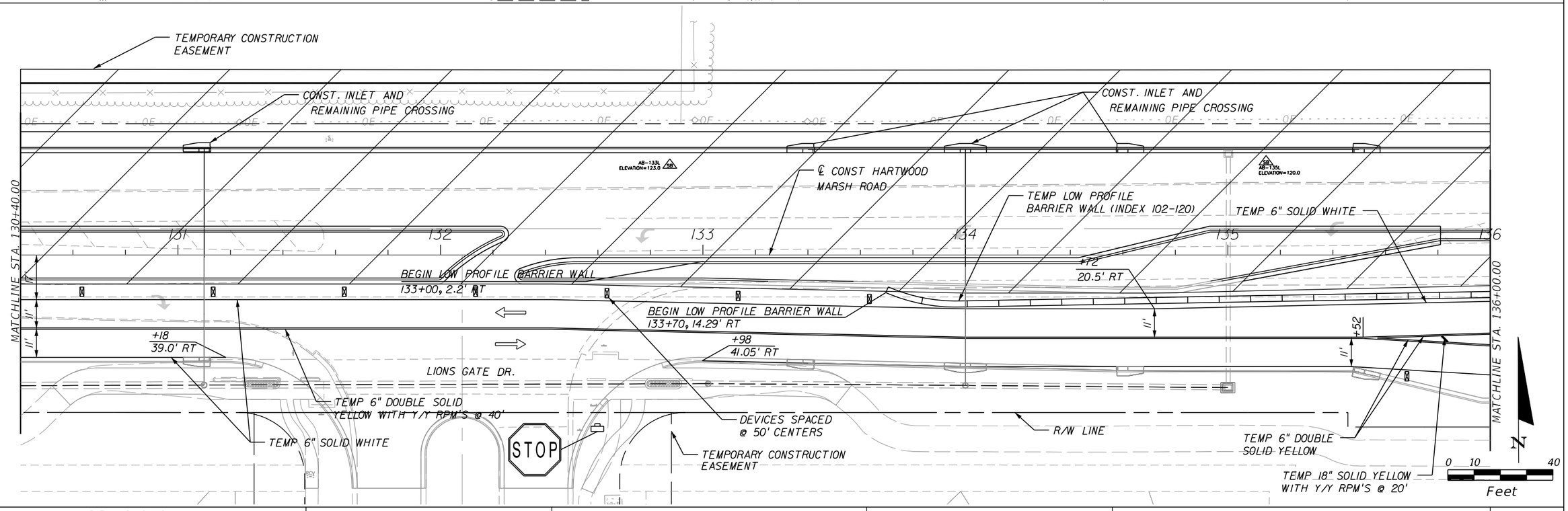
TRAFFIC CONTROL PLAN STAGE II PHASE III

SHEET NO.

192

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HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN STAGE II PHASE III

SHEET NO. 193

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LEGEND

- Work Area
- Work Zone Sign
- Direction of Traffic
- Type III Barricade (With Flashing Light)
- Type I Or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only)
- Temporary Pavement

MATCHLINE STA. 136+00.00

MATCHLINE STA. 141+60.00

MATCHLINE STA. 471+20.00

MATCHLINE STA. 147+20.00

TEMPORARY CONSTRUCTION EASEMENT

DEVICES SPACED @ 50' CENTERS

CONST. INLET AND REMAINING PIPE CROSSING

R/W LINE

END LOW PROFILE BARRIER WALL 138+00, 6.5' RT

℄ CONST HARTWOOD MARSH ROAD

TEMP 24" SOLID WHITE

TEMP 6" SOLID WHITE

TEMP 6" SOLID YELLOW

DEVICES SPACED @ 10' CENTERS

HANCOCK RD.

TEMP 18" SOLID YELLOW WITH Y/Y RPM'S @ 20'

TEMP 6" SKIP (2'-4') WHITE

TEMP DIRECTIONAL ARROWS (TYP)

TEMP 6" DOUBLE SOLID YELLOW

TEMP 6" DOUBLE SOLID YELLOW WITH Y/Y RPM'S @ 40'

TEMP 6" SOLID WHITE WITH W/R RPM'S @ 20'

Exist Signal

HARTWOOD PINES WAY

TEMP 6" SOLID WHITE WITH Y/Y RPM'S @ 40'

TEMP 6" DOUBLE SOLID YELLOW WITH Y/Y RPM'S @ 40'

PI STA. 142+35.62

STOP

30' R (TYP)

60' R (TYP)

375' R

25' R (TYP)

0 10 40 Feet

N

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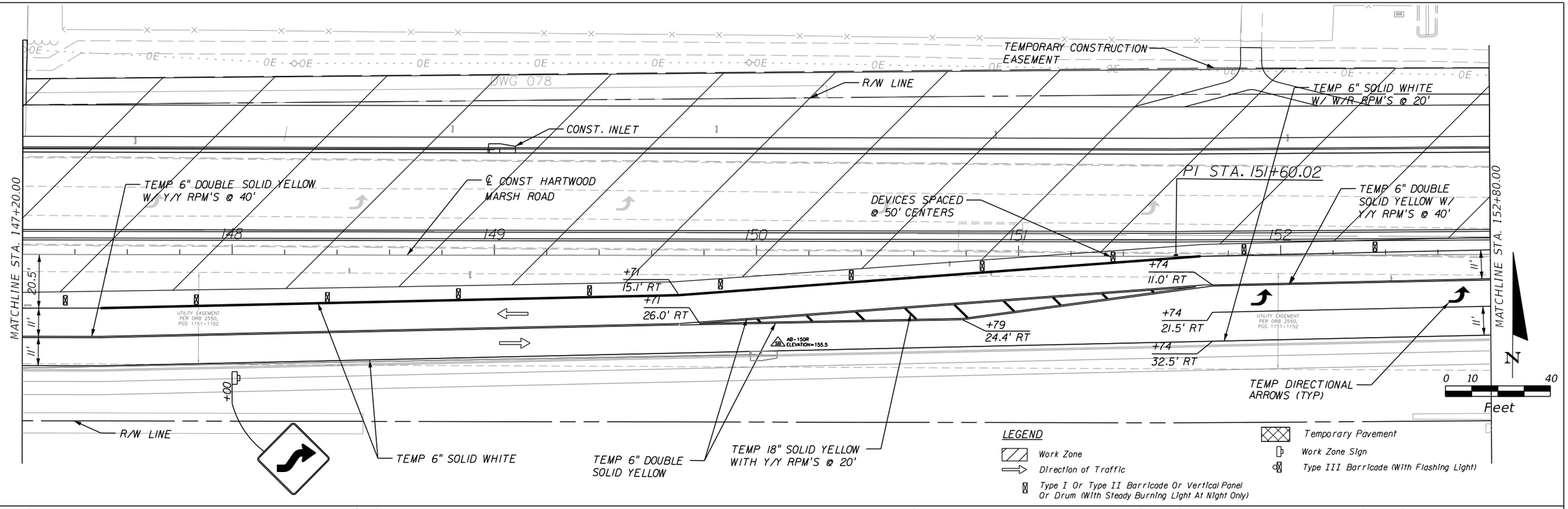
HARTWOOD MARSH ROAD - PHASE I

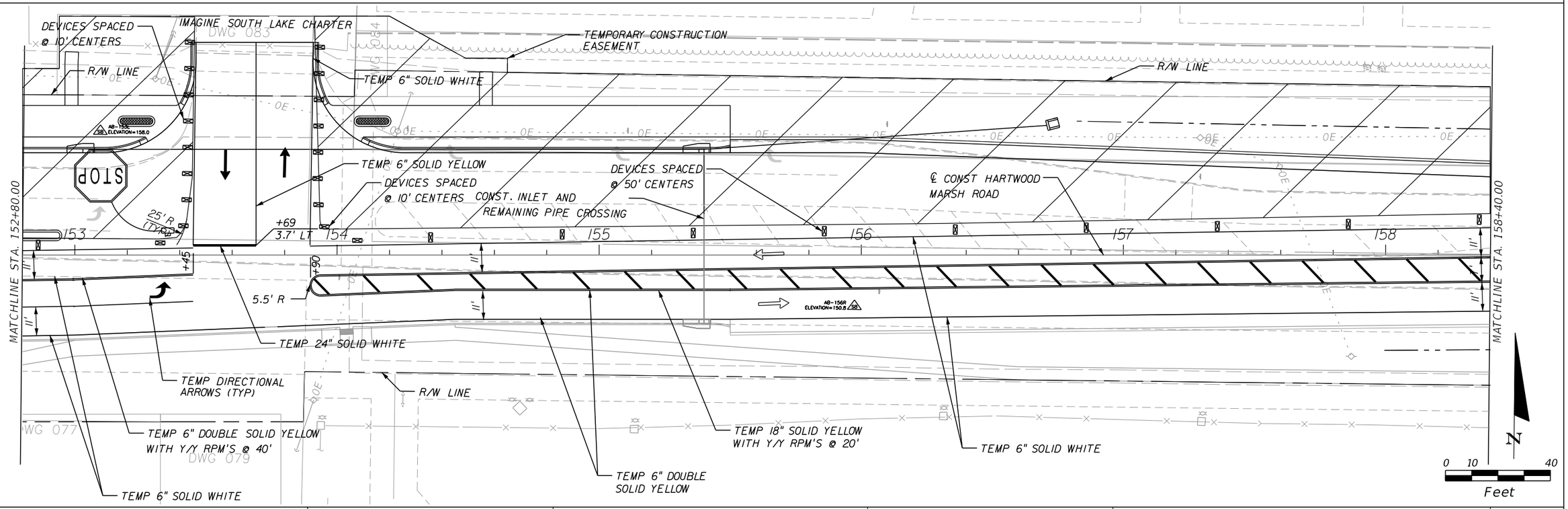
TRAFFIC CONTROL PLAN STAGE II PHASE III

SHEET NO. 194

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

DBansal 8/5/2026 6:53:29 PM Default Y:\FDOT2010_PROJ\41561I0000I\roadway\TCPLRD304.dgn





REVISIONS		
DATE	BY	DESCRIPTION

OM Engineering Services, Inc.
Civil • Structural • Inspections
OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

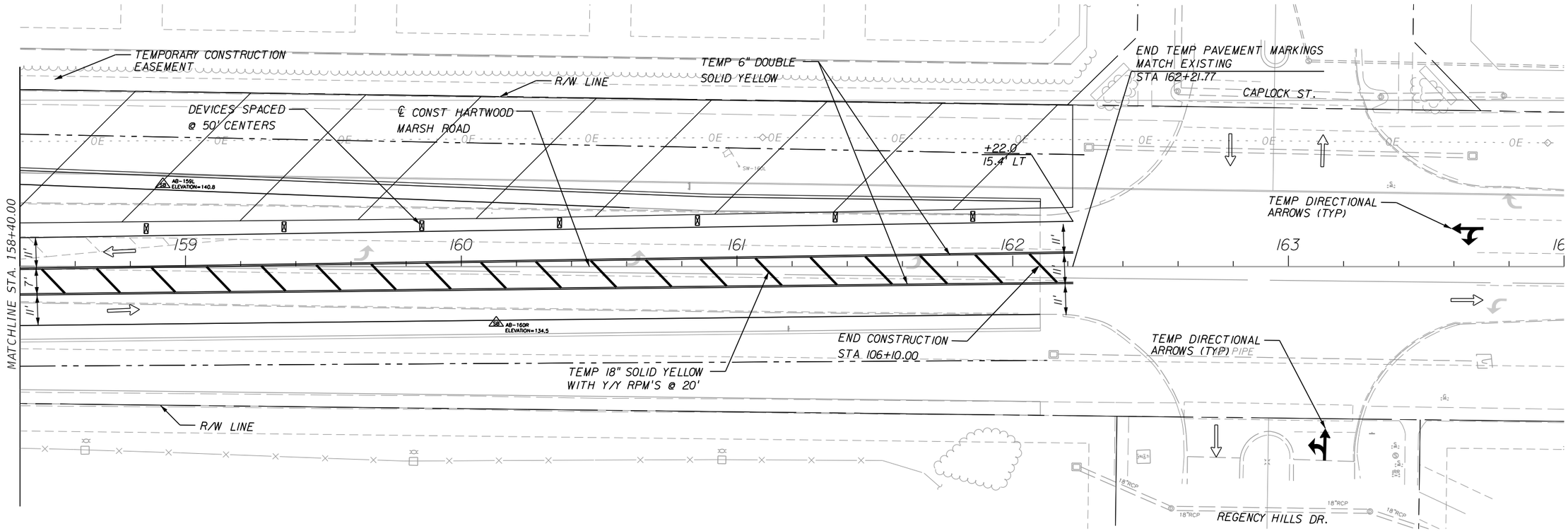
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN STAGE II PHASE III

SHEET NO. 195

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N

0 10 40

Feet

LEGEND

- Work Area
- Temporary Pavement
- 3 → Lane Identification and Direction of Traffic
- Type I Or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only)
- Sign With 18" x 18" (Min.) Orange Flag And Type B Light
- Work Zone Sign
- Type III Barricade (With Flashing Light)

REVISIONS		
DATE	BY	DESCRIPTION

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Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
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ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
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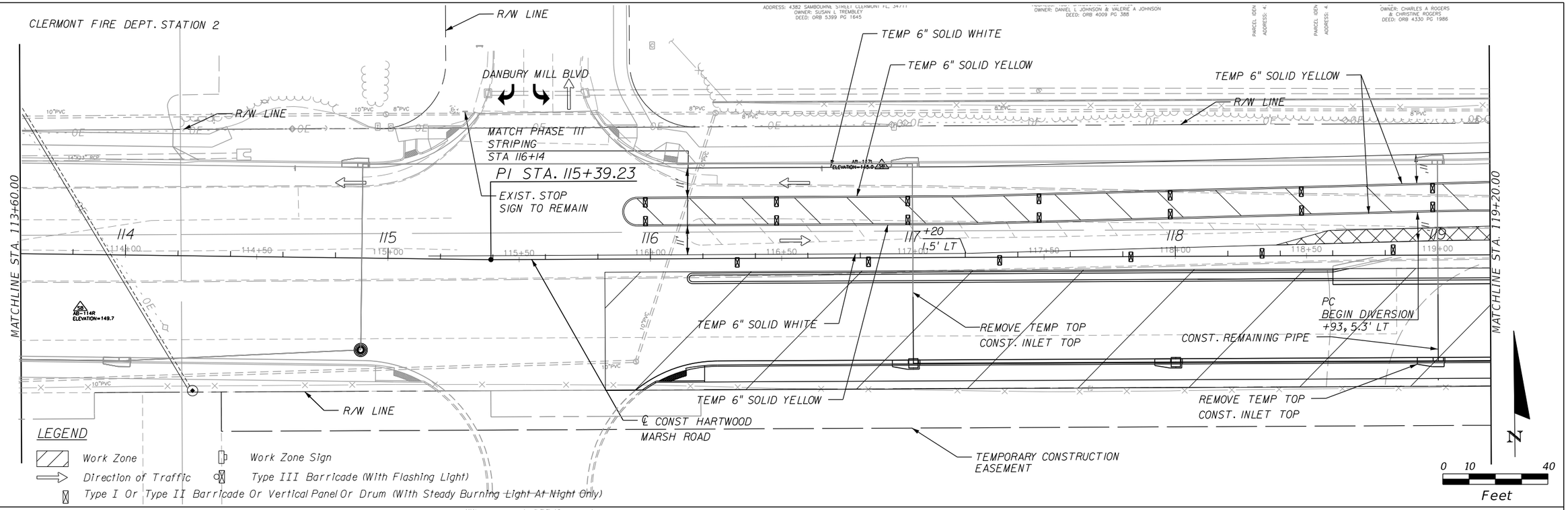
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN
STAGE II PHASE III

SHEET NO. 196

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P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN STAGE II PHASE III B

SHEET NO. 197

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

KINGS RIDGE SHOPPING MALL

ELEVATION=161.78
N=1515142.36
E=425389.82
STA=103+73.63
OFFSET=-47.99 LT

TEMP 6" SOLID WHITE WITH W/R RPM'S @ 20'

DEVICES SPACED @ 50' CENTERS

TEMP 6" DOUBLE SOLID YELLOW WITH Y/Y RPM'S @ 40'

TEMPORARY CONSTRUCTION EASEMENT

TEMP. 24" SOLID WHITE

R/W LINE

+81
34.5' LT

BEGIN CONSTRUCTION
STA 102+78.16

+95

PEDESTRIAN LCD

+20
28' RT

TEMP DIRECTIONAL ARROWS (TYP)

TEMP 6" SOLID YELLOW

TEMP 6" SOLID WHITE

R/W LINE

℄ CONST HARTWOOD MARSH ROAD

TEMPORARY CONSTRUCTION EASEMENT

R/W LINE

MATCHLINE STA. 108+00.00

0 10 40
Feet

KINGS RIDGE SHOPPING MALL

TEMP 6" SOLID YELLOW

TEMP 6" SOLID WHITE

TEMP 24" SOLID WHITE

TEMPORARY CONSTRUCTION EASEMENT

12" WHITE @ 3' CENTERS

+70
59.8' LT

TEMP 6" SOLID WHITE

TEMP 6" SOLID WHITE WITH W/R RPMs @ 20'

R/W LINE

TEMP 6" SOLID YELLOW WITH Y/Y RPM'S @ 40'

TEMP 6" SOLID WHITE WITH W/R RPM'S @ 20'

TEMP 6" SOLID WHITE

R/W LINE

℄ CONST HARTWOOD MARSH ROAD

PI STA. 109+66.25

+16.00
3.00' RT

+81.49
4.20' LT

+17.25
5.00' LT

+67.26
5.50' RT

S 88° 42' 05" E

+42.14
8.64' RT

+8.00
7.50' RT

+65
54.9' RT

DEVICES SPACED @ 50' CENTERS

TEMP DIRECTIONAL ARROWS (TYP)

TEMP 6" SOLID YELLOW

TEMP 6" SOLID WHITE WITH W/R RPM'S @ 20'

TEMP 6" SOLID WHITE

R/W LINE

DEVICES SPACED @ 50' CENTERS

TEMP 6" SOLID YELLOW

TEMP 6" SOLID WHITE WITH W/R RPM'S @ 20'

TEMP 24" SOLID WHITE

TEMP 6" SOLID WHITE

TEMPORARY CONSTRUCTION EASEMENT

TEMP 6" SOLID YELLOW

MATCHLINE STA. 108+00.00

MATCHLINE STA. 113+60.00

0 10 40
Feet

LEGEND

- Work Zone
- Direction of Traffic
- Type I Or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only)
- Work Zone Sign
- Type III Barricade (With Flashing Light)

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

STRIPE PER PHASE IV TYPICAL - STA 113+60 TO STA 152+80

REVISIONS		
DATE	BY	DESCRIPTION

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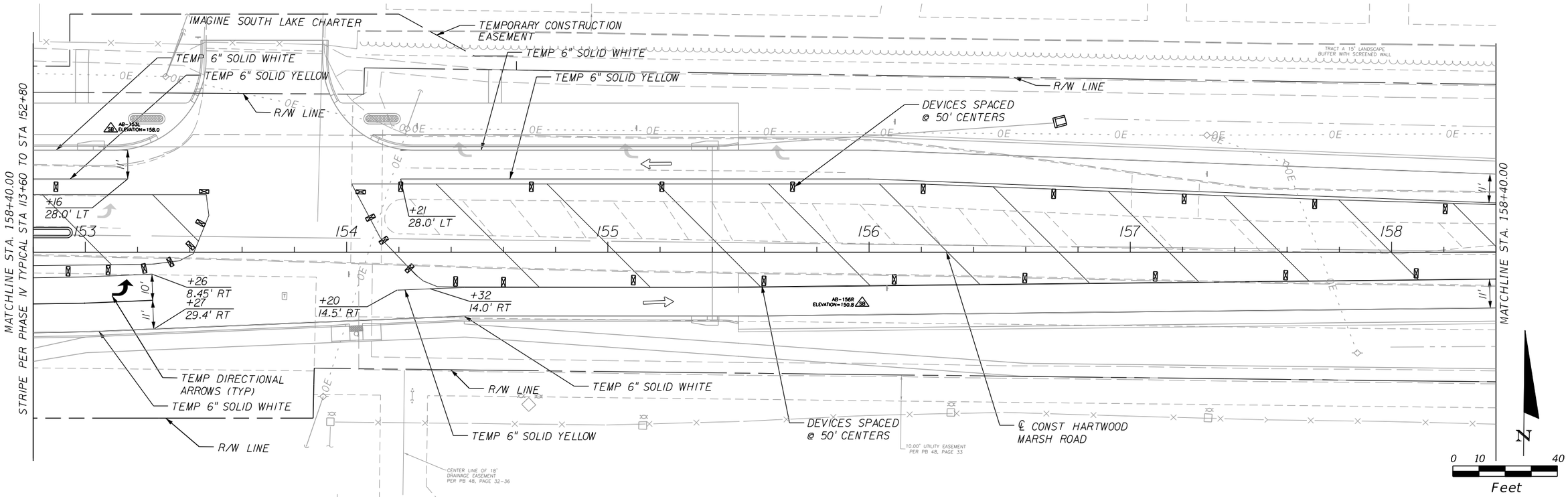
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN PHASE IV

SHEET NO. 198



REVISIONS		
DATE	BY	DESCRIPTION

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Civil • Structural • Inspections

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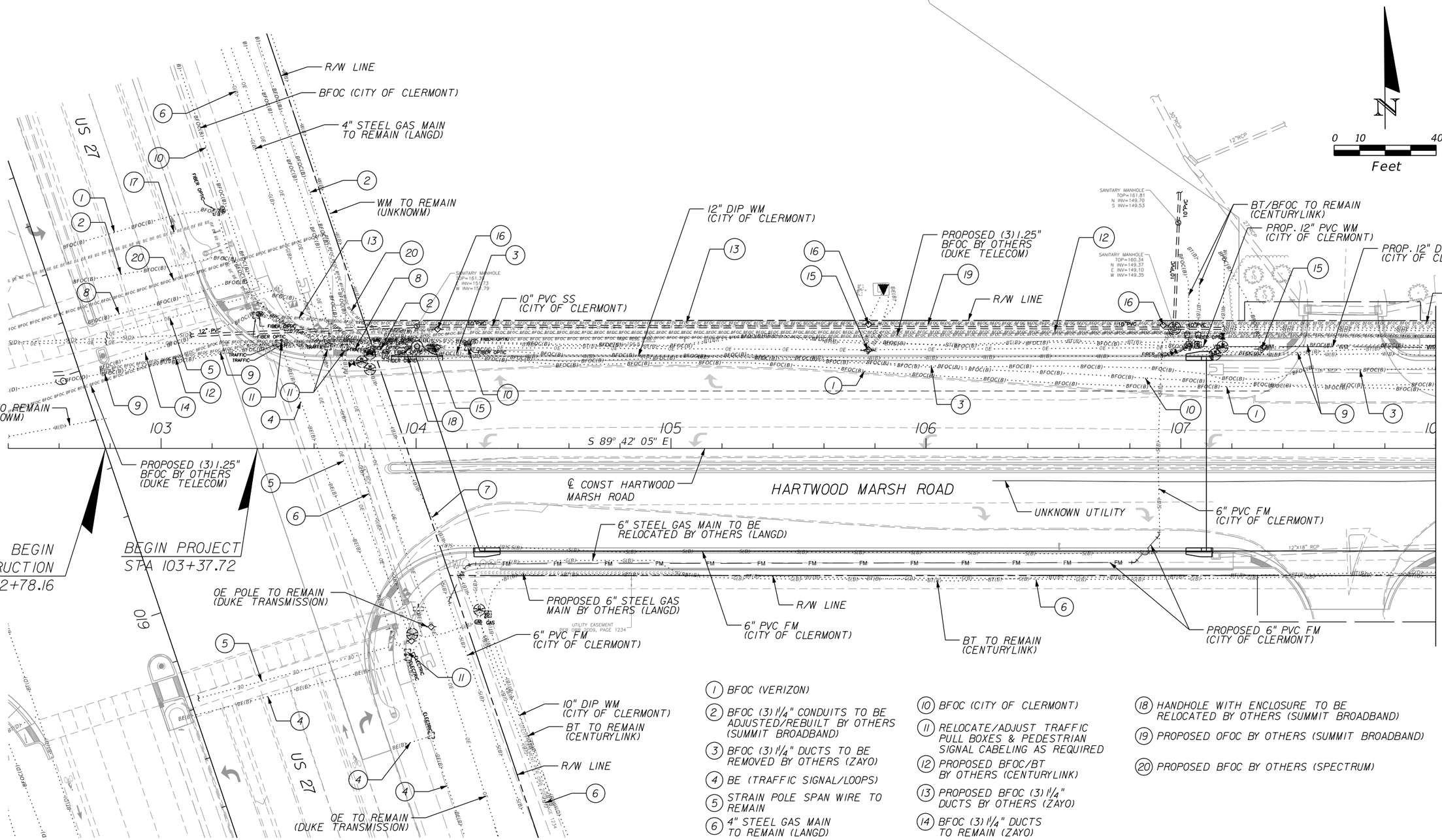
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

TRAFFIC CONTROL PLAN PHASE IV

SHEET NO. 199

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



NOTES:

1. FOR DISPOSITIONS OF EXISTING CITY OF CLERMONT UTILITIES & APPURTENANCES, SEE HARTWOOD MARSH ROAD UTILITY ADJUSTMENT PLANS PREPARED BY HALFF ASSOCIATES, INC., DATED 06-04-2024.

1. BFOC (VERIZON)
2. BFOC (3) 1¼" CONDUITS TO BE ADJUSTED/REBUILT BY OTHERS (SUMMIT BROADBAND)
3. BFOC (3) 1¼" DUCTS TO BE REMOVED BY OTHERS (ZAYO)
4. BE (TRAFFIC SIGNAL/LOOPS)
5. STRAIN POLE SPAN WIRE TO REMAIN
6. 4" STEEL GAS MAIN TO REMAIN (LANGD)
7. 8" DIP WM (CITY OF CLERMONT)
8. BFOC TO BE REMOVED BY OTHERS (SPECTRUM)
9. BFOC/BT TO BE REMOVED BY OTHERS (CENTURYLINK)
10. BFOC (CITY OF CLERMONT)
11. RELOCATE/ADJUST TRAFFIC PULL BOXES & PEDESTRIAN SIGNAL CABELING AS REQUIRED
12. PROPOSED BFOC/BT BY OTHERS (CENTURYLINK)
13. PROPOSED BFOC (3) 1¼" DUCTS BY OTHERS (ZAYO)
14. BFOC (3) 1¼" DUCTS TO REMAIN (ZAYO)
15. 25KV OE & POLE TO BE RELOCATED BY OTHERS (SECO) OFOC TO BE RELOCATED BY OTHERS (SUMMIT BROADBAND) OTV TO BE RELOCATED BY OTHERS (SPECTRUM)
16. PROPOSED 25KV OE & POLE BY OTHERS (SECO)
17. PROPOSED 25KV BE BY OTHERS (SECO)
18. HANDHOLE WITH ENCLOSURE TO BE RELOCATED BY OTHERS (SUMMIT BROADBAND)
19. PROPOSED OFOC BY OTHERS (SUMMIT BROADBAND)
20. PROPOSED BFOC BY OTHERS (SPECTRUM)

REVISIONS		
DATE	BY	DESCRIPTION

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OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

UTILITY ADJUSTMENTS (1)
HARTWOOD MARSH ROAD

SHEET NO. 200

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

N

0 10 40

Feet

STA 108+00

STA 113+60

MATCHLINE

MATCHLINE

HARTWOOD MARSH ROAD

℄ CONST HARTWOOD MARSH ROAD

S 88° 42' 05" E

108 109 110 111 112 113

PROPOSED 12" PVC WM (CITY OF CLERMONT)

10" PVC SS (CITY OF CLERMONT)

PROPOSED (3) 1.25" BFOC BY OTHERS (DUKE TELECOM)

PROPOSED BFOC (3) 1¼" DUCTS BY OTHERS (ZAYO)

R/W LINE

BFOC (3) 1¼" DUCTS TO BE REMOVED BY OTHERS (ZAYO)

12" DIP WM (CITY OF CLERMONT)

12" DIP (UNKNOWN)

BFOC (CITY OF CELRMONT)

10" PVC SS (CITY OF CLERMONT)

SPI-B
SPI-D
SPI-C
SPI-A
SPI-E

SANITARY MANHOLE TOP=152.42 INV=145.42 INV=145.51

TRAFFIC-TRAFFIC-

SP4-D
SP4-D*
MA A-2
MA A-3
MA A-4
MA A-1
SP4-B
SP4-A
SP4
SP4-C

10" PVC

BT TO REMAIN (CENTURYLINK)

R/W LINE

6" STEEL GAS MAIN TO BE REMOVED BY OTHERS (LANGD)

UTILITY EASEMENT PER ORB 2009, PAGE 1234

PROPOSED 6" STEEL GAS MAIN BY OTHERS (LANGD)

(2) 6"PVC UNABLE TO DETERMINE WHERE PIPE CONNECTS

(1) 6"PVC

SANITARY MANHOLE TOP=153.19' E INV=142.65' (1)SW INV.=142.70' (2)SW INV.=144.80'

SANITARY MANHOLE TOP=153.50 E INV=142.38 S INV=142.53 W INV=142.46

10" PVC SS (CITY OF CLERMONT)

10" PVC SS TO REMAIN (CITY OF CLERMONT)

SANITARY MANHOLE TOP=152.97' (1)NE INV.=146.93' S INV.=148.61'

(1) 6"PVC

6"PVC

10.00' UTILITY EASEMENT PER ORB 2009, PAGE 1234

AB-10 ELEVATION=157.3

12"x18" RCP

36"RCP

FDC RFB ORB 3457 POS 2290-2295

DWG 068

DWG 069

10"PVC

12"x18" RCP

R/W LINE

12" DIP WM (CITY OF CLERMONT)

10" PVC SS (CITY OF CLERMONT)

NOTES:

1. FOR DISPOSITIONS OF EXISTING CITY OF CLERMONT UTILITIES & APPURTENANCES, SEE HARTWOOD MARSH ROAD UTILITY ADJUSTMENT PLANS PREPARED BY HALFF ASSOCIATES, INC., DATED 06-04-2024.

1. BT/BFOC TO BE REMOVED BY OTHERS (CENTURYLINK)
2. PROPOSED BT/BFOC BY OTHERS (CENTURYLINK)
3. UNKNOWN UTILITY
4. STRAIN POLE & CABLE TO BE REMOVED
5. RELOCATE LIGHT POLE TO MAINTAIN CLEARANCE FROM PROPOSED CURB
6. BFOC (VERIZON)
7. 25KV OE & POLE TO BE RELOCATED BY OTHERS (SECO) OFOC TO BE RELOCATED BY OTHERS (SUMMIT BROADBAND) OTV TO BE RELOCATED BY OTHERS (SPECTRUM)
8. 25KV OE TO BE RELOCATED BY OTHERS (SECO)
9. PROPOSED 25KV OE & POLE BY OTHERS (SECO) PROPOSED OFOC BY OTHERS (SUMMIT BROADBAND) PROPOSED OFOC BY OTHERS (SPECTRUM)
10. 25KV OE TO REMAIN (SECO) OFOC TO REMAIN (SUMMIT BROADBAND)
11. PROPOSED 12" PVC WM (CITY OF CLERMONT)
12. PROPOSED BFOC/BTV BY OTHERS (SPECTRUM)
13. BFOC/BTV TO BE REMOVED BY OTHERS (SPECTRUM)

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC. Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

UTILITY ADJUSTMENTS (2) HARTWOOD MARSH ROAD

SHEET NO. 201

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

CITY OF CLERMONT
FIRE STATION # 2

DANBURY MILL BLVD

HARTWOOD MARSH ROAD

FLORIDA DISCOUNT SELF STORAGE

N

0 10 40
Feet

STA 113+60

STA 119+20

MATCHLINE

MATCHLINE

25KV OE TO REMAIN (SECO)
OFOC TO REMAIN (SUMMIT BROADBAND)

10" PVC SS
(CITY OF
CLERMONT)

SP2-C
SP2-E
SP2-F
SP2-D

SP2-A
SP2-B

25KV BE TO
REMAIN (SECO)

120V BE TO
REMAIN (SECO)

MA
C-1

MA C-2
MA C-3
MA C-4

SERVICE WM
(CITY OF CLERMONT)

12" DIP WM
(CITY OF CLERMONT)

BFOC (VERIZON)
TO REMAIN

PROPOSED (3) 1.25"
BFOC BY OTHERS
(DUKE TELECOM)

25KV BE TO LOWERED IN
PLACE BY OTHERS (SECO)

10" PVC SS
(CITY OF CLERMONT)

TEL POLE TO REMAIN

25KV OE TO REMAIN (SECO)
OFOC TO REMAIN (SUMMIT BROADBAND)
OTV TO REMAIN (SPECTRUM)

R/W LINE

BFOC (VERIZON)

25KV BE TO
REMAIN (SECO)

STRAIN POLE & CABLE
TO BE REMOVED

AB-114R
ELEVATION=149.7

10" PVC SS
(CITY OF CLERMONT)

10" PVC SS
(CITY OF CLERMONT)

℄ CONST HARTWOOD
MARSH ROAD

SP3-C
SP3-A
SP3-B

R/W LINE

12" DIP WM
(CITY OF CLERMONT)

10" PVC SS
(CITY OF CLERMONT)

MA B-1
MA B-2
MA B-3
MA B-4

6" STEEL GAS MAIN TO BE
RELOCATED BY OTHERS (LANGD)

PROPOSED 6" STEEL GAS
MAIN BY OTHERS (LANGD)

12" DIP WM
(CITY OF CLERMONT)

4" PVC FM
(SELF STORAGE)

1. BT/BFOC TO BE REMOVED BY OTHERS (CENTURYLINK)
2. PROPOSED BT/BFOC BY OTHERS (CENTURYLINK)
3. PROPOSED BFOC (3) 1¼" DUCTS BY OTHERS (ZAYO)
4. BFOC (3) 1¼" DUCTS TO BE REMOVED BY OTHERS (ZAYO)
5. UNKNOWN UTILITY
6. BFOC (CITY OF CLERMONT)
7. 25KV BE TO BE LOWERED/REROUTED AT THE WALL CROSSING BY OTHERS (SECO)
8. OE POLE TO BE REPLACED IN PLACE BY OTHERS (SECO)
9. PROPOSED 12" DIP WM (CITY OF CLERMONT)
10. PROPOSED 12" PVC WM (CITY OF CLERMONT)
11. PROPOSED BFOC/BTV BY OTHERS (SPECTRUM)
12. BFOC/BTV TO BE REMOVED BY OTHERS (SPECTRUM)

NOTES:

1. FOR DISPOSITIONS OF EXISTING CITY OF CLERMONT UTILITIES & APPURTENANCES, SEE HARTWOOD MARSH ROAD UTILITY ADJUSTMENT PLANS PREPARED BY HALFF ASSOCIATES, INC., DATED 06-04-2024.

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

REVISIONS		
DATE	BY	DESCRIPTION

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621 E. WASHINGTON ST., STE 8
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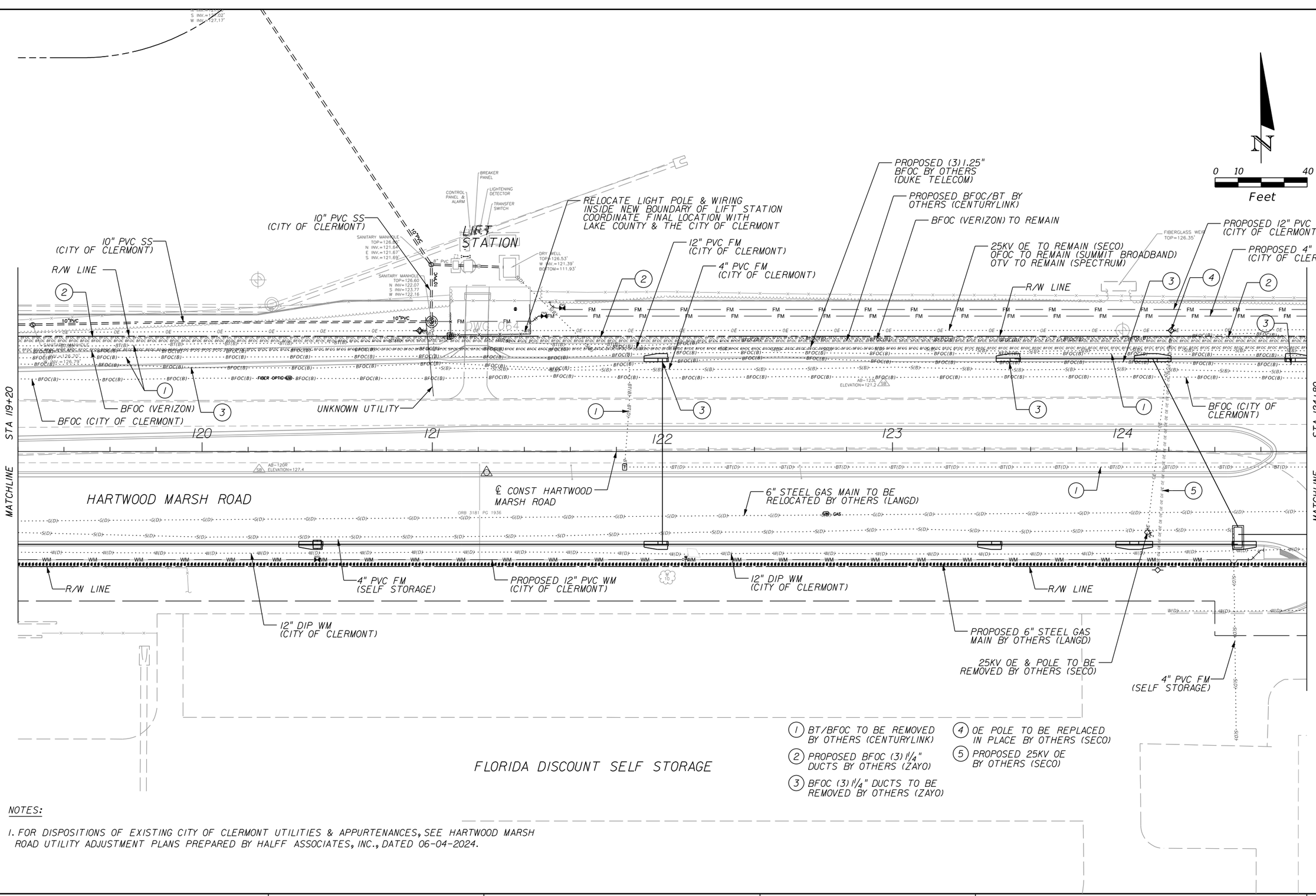
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

UTILITY ADJUSTMENTS (3)
HARTWOOD MARSH ROAD

SHEET NO.
202



NOTES:

1. FOR DISPOSITIONS OF EXISTING CITY OF CLERMONT UTILITIES & APPURTENANCES, SEE HARTWOOD MARSH ROAD UTILITY ADJUSTMENT PLANS PREPARED BY HALFF ASSOCIATES, INC., DATED 06-04-2024.

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
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ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

UTILITY ADJUSTMENTS (4) HARTWOOD MARSH ROAD

SHEET NO. 203

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

N

0 10 40
Feet

MATCHLINE STA 124+80

MATCHLINE STA 130+40

PROPOSED 12" PVC FM (CITY OF CLERMONT)

PROPOSED 4" PVC FM (CITY OF CLERMONT)

4" PVC FM (CITY OF CLERMONT)

12" PVC FM (CITY OF CLERMONT)

PROPOSED BFOC/BT BY OTHERS (CENTURYLINK)

BFOC (VERIZON) TO REMAIN

PROPOSED OE POLE BY OTHERS (SECO)

OE POLE TO BE REMOVED BY OTHERS (SECO)

25KV OE TO REMAIN (SECO)
OFOC TO REMAIN (SUMMIT BROADBAND)
OTV TO REMAIN (SPECTRUM)

25KV BE TO REMAIN (SECO)

25KV BE TO BE LOWERED/REROUTED AT THE WALL CROSSING BY OTHERS (SECO)

PROPOSED (3)1.25" BFOC BY OTHERS (DUKE TELECOM)

4" PVC FM (CITY OF CLERMONT)

12" PVC FM (CITY OF CLERMONT)

BFOC (VERIZON)

R/W LINE

R/W LINE

BFOC (CITY OF CLERMONT)

PROPOSED BTV BY OTHERS (SPECTRUM)

BFOC (CITY OF CLERMONT)

℄ CONST HARTWOOD MARSH ROAD

125 126 127 128 129 130

S 89° 42' 05"E

12" DIP WM (CITY OF CLERMONT) SEE NOTES

BT TO BE REMOVED BY OTHERS (CENTURY LINK)

12" DIP WM (CITY OF CLERMONT)

BTV TO BE REMOVED BY OTHERS (SPECTRUM)

6" STEEL GAS MAIN TO BE RELOCATED BY OTHERS (LANGD)

HARTWOOD MARSH ROAD

R/W LINE

PRIVATE DDCVA TO BE RELOCATED (SELF STORAGE)

PRIVATE WM (SELF STORAGE)

BACKFLOW PREVENTER ASSEMBLY TO BE RELOCATED (SELF STORAGE) SEE NOTES

25KV OE & POLE TO BE REMOVED BY OTHERS (SECO)

TRACT R – TRAIL & UTILITY EASEMENT (PUBLIC)

R/W LINE

METER ASSEMBLY TO BE RELOCATED (SELF STORAGE) SEE NOTES

PROPOSED METER ASSEMBLY (CITY OF CLERMONT) SEE NOTES

8" WM (SELF STORAGE) SEE NOTES

TRACT Q – LANDSCAPE, IRRIGATION, & WALL EASEMENT (PUBLIC)

PROPOSED 6" STEEL GAS MAIN BY OTHERS (LANGD)

SELF STORAGE

DWD 070

TRACT E STORWATER/OPEN SPACE & DRAINAGE EASEMENT

65

NOTES:

1. FOR DISPOSITIONS OF EXISTING CITY OF CLERMONT UTILITIES & APPURTENANCES, SEE HARTWOOD MARSH ROAD UTILITY ADJUSTMENT PLANS PREPARED BY HALFF ASSOCIATES, INC., DATED 06-04-2024.
2. COORDINATE DISPOSITION/RELOCATION OF METER ASSEMBLY, DDCVA ASSEMBLY & BACKFLOW PREVENTER ASSEMBLY, CONNECTED SERVICE LINES & APPURTENANCES WITH THE DEVELOPER (SELF STORAGE), CITY OF CLERMONT & THE COUNTY. CONTRACTOR TO HIRE SPECIALITY ENGINEER CERTIFIED IN THE STATE OF FLORIDA AND PROVIDE SIGNED AND SEALED SHOP DRAWINGS SHOWING THE RECONNECTIONS OF THE SITE WATER INFRASTRUCTURE FOR REVIEW AND APPROVAL. CONTRACTOR IS ALSO RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND SHALL INCLUDE THIS SCOPE OF WORK IN THE PROJECT CONSTRUCTION SCHEDULE. ANY DELAY OR INCONVENIENCE BY THE CONTRACTOR SHALL BE INCIDENTAL TO THE CONTRACT.

(1) BT/BFOC TO BE REMOVED BY OTHERS (CENTURYLINK)

(2) PROPOSED BFOC (3) 1¼" DUCTS BY OTHERS (ZAYO)

(3) BFOC (3) 1¼" DUCTS TO BE REMOVED BY OTHERS (ZAYO)

(4) OE POLE TO BE REPLACED IN PLACE BY OTHERS (SECO)

REVISIONS		
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Civil • Structural • Inspections

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ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

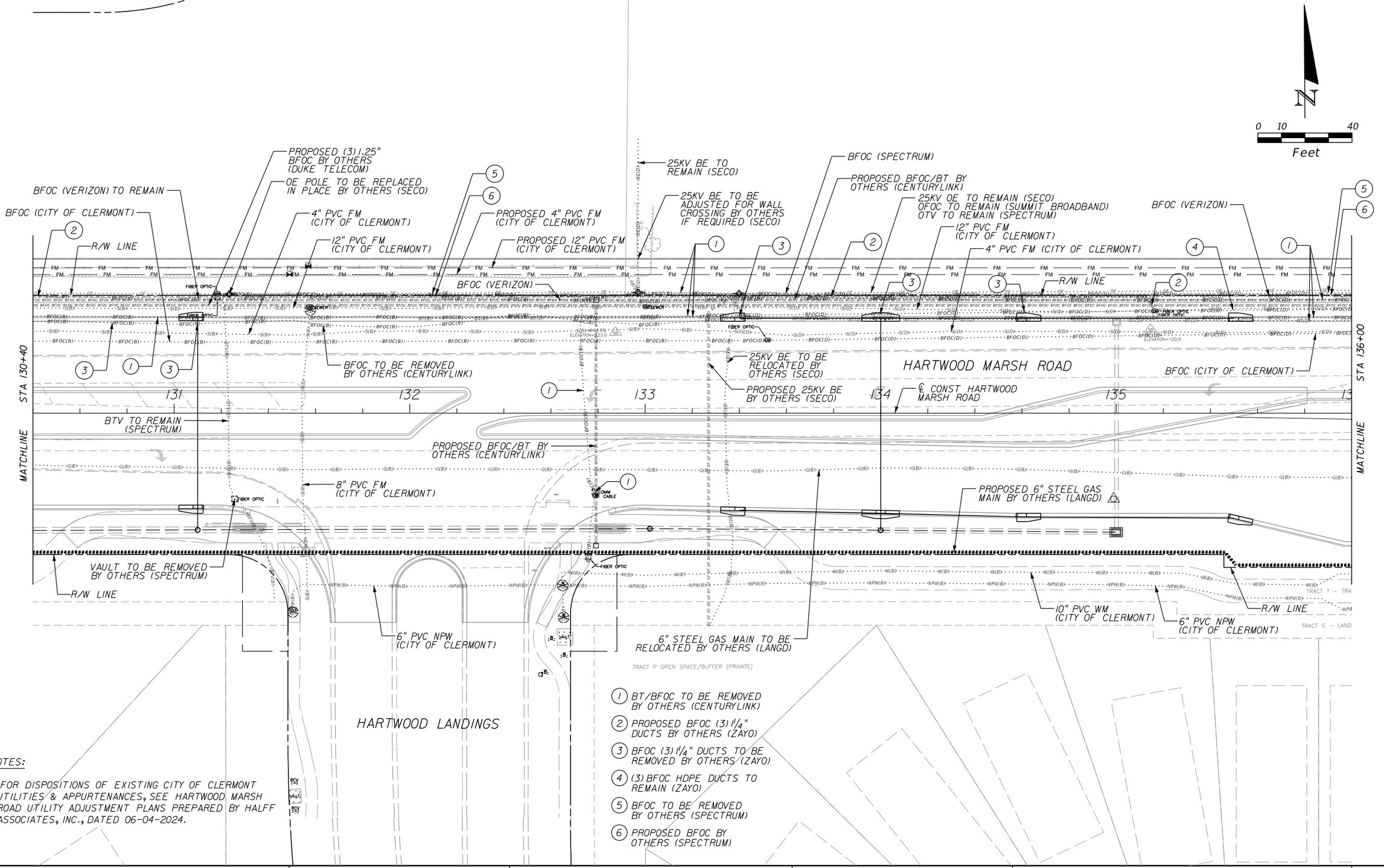
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

UTILITY ADJUSTMENTS (5)
HARTWOOD MARSH ROAD

SHEET NO. 204

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



NOTES:

1. FOR DISPOSITIONS OF EXISTING CITY OF CLERMONT UTILITIES & APPURTENANCES, SEE HARTWOOD MARSH ROAD UTILITY ADJUSTMENT PLANS PREPARED BY HALFF ASSOCIATES, INC., DATED 06-04-2024.

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

UTILITY ADJUSTMENTS (6)
HARTWOOD MARSH ROAD

SHEET NO.
205

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

(1) PROPOSED 6" STEEL GAS MAIN BY OTHERS (LANGD)

(2) 6" STEEL GAS MAIN TO BE RELOCATED BY OTHERS (LANGD)

(3) 4" STEEL GAS MAIN TO BE RELOCATED BY OTHERS (LANGD)

(4) BFOC TO BE REMOVED BY OTHERS (SPECTRUM)

(4A) PROPOSED BFOC BY OTHERS (SPECTRUM)

(5) 25KV OE TO REMAIN (SECO) OFOC TO REMAIN (SUMMIT BROADBAND) OTV TO REMAIN (SPECTRUM)

(5A) 25KV OE TO REMAIN (SECO) OFOC TO REMAIN (SUMMIT BROADBAND)

(6) PROPOSED OE POLE BY OTHERS (SECO)

(7) OE POLE TO BE RELOCATED BY OTHERS (SECO)

(8) BFOC TO REMAIN (OPTICALTEL)

(9) BFOC/BT TO BE REMOVED BY OTHERS (CENTURYLINK)

(10) BFOC (VERIZON)

(11) BFOC (CITY OF CLERMONT)

(12) (3) BFOC HDPE DUCTS TO REMAIN (ZAYO)

(13) RELOCATE/ADJUST TRAFFIC SIGNAL UTILITIES/APPURTENANCES AS REQUIRED

(14) PROPOSED BFOC/BT BY OTHERS (CENTURYLINK)

(15) OE POLE TO BE REPLACED IN PLACE BY OTHERS (SECO)

(16) FM (CITY OF CLERMONT) (CONTRACTOR TO VERIFY SIZE AND MATERIAL)

(17) 10" DIP WM (CITY OF CLERMONT)

(18) 16" DIP WM (CITY OF CLERMONT)

(19) 20" DIP WM (CITY OF CLERMONT)

(20) PROPOSED 10" PVC WM (CITY OF CLERMONT)

(21) PROPOSED 10" DIP WM (CITY OF CLERMONT)

(22) PROPOSED 16" DIP WM (CITY OF CLERMONT)

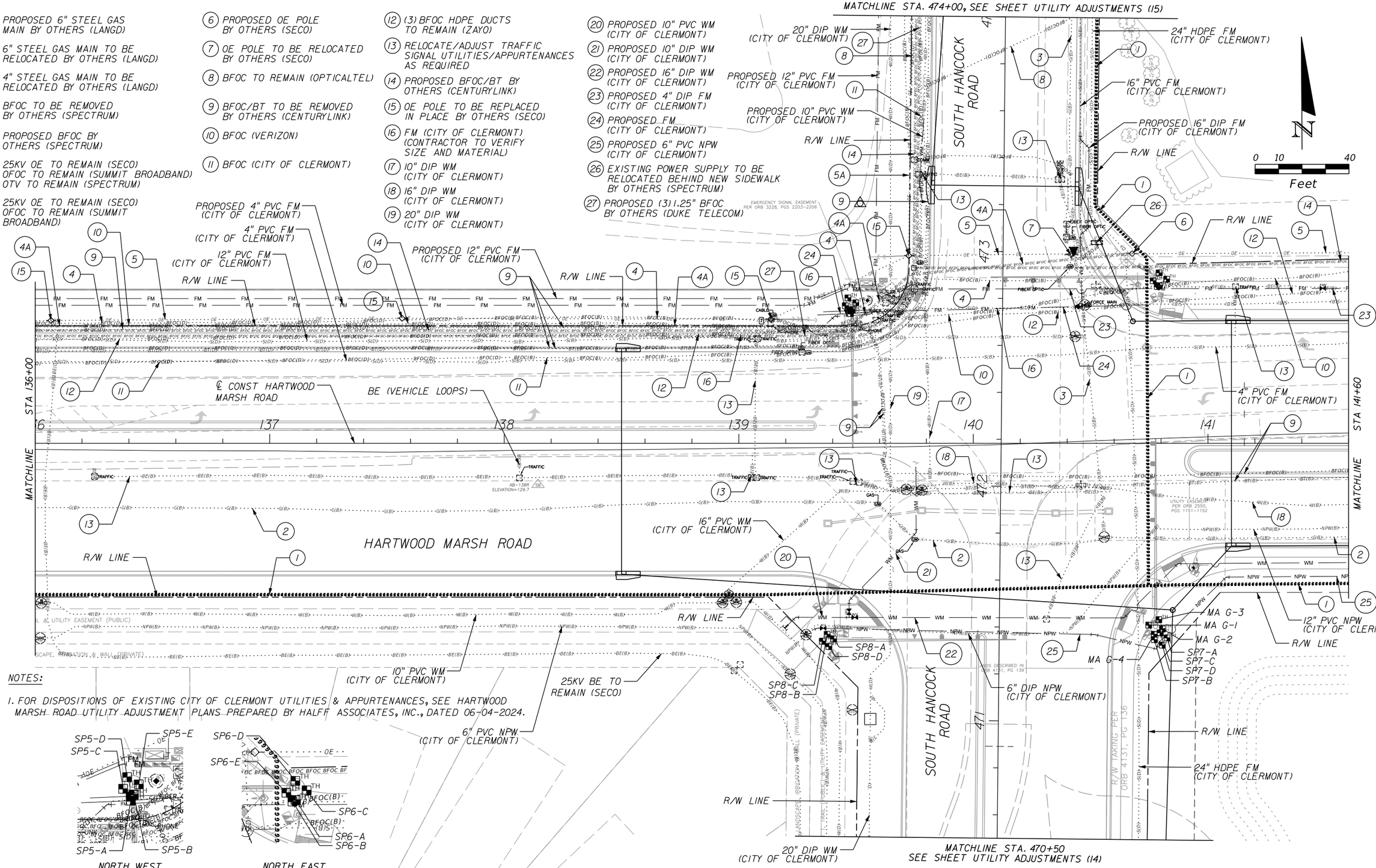
(23) PROPOSED 4" DIP FM (CITY OF CLERMONT)

(24) PROPOSED FM (CITY OF CLERMONT)

(25) PROPOSED 6" PVC NPW (CITY OF CLERMONT)

(26) EXISTING POWER SUPPLY TO BE RELOCATED BEHIND NEW SIDEWALK BY OTHERS (SPECTRUM)

(27) PROPOSED (3) 1.25" BFOC BY OTHERS (DUKE TELECOM)



NOTES:

1. FOR DISPOSITIONS OF EXISTING CITY OF CLERMONT UTILITIES & APPURTENANCES, SEE HARTWOOD MARSH ROAD UTILITY ADJUSTMENT PLANS PREPARED BY HALFF ASSOCIATES, INC., DATED 06-04-2024.

NORTH WEST QUADRANT

NORTH EAST QUADRANT

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC. Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
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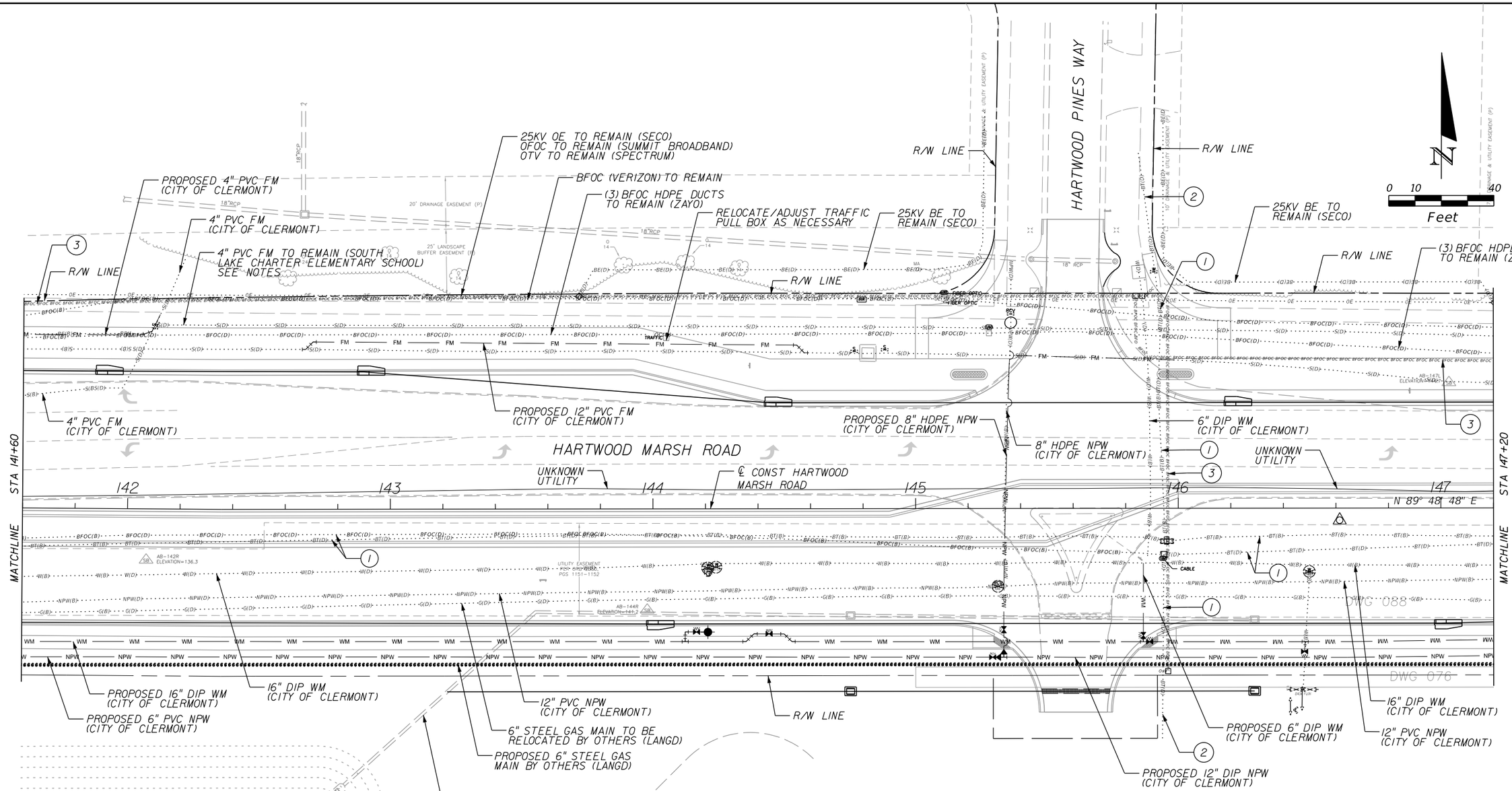
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

UTILITY ADJUSTMENTS (7) HARTWOOD MARSH ROAD

SHEET NO. 206

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



NOTES:

1. FOR DISPOSITIONS OF EXISTING CITY OF CLERMONT UTILITIES & APPURTENANCES, SEE HARTWOOD MARSH ROAD UTILITY ADJUSTMENT PLANS PREPARED BY HALFF ASSOCIATES, INC., DATED 06-04-2024.
2. COORDINATE DISPOSITION/RELOCATION OF THE SOUTH LAKE CHARTER ELEMENTARY SCHOOL FM (FORCE MAIN) WITH THE SCHOOL, CITY OF CLERMONT & THE COUNTY. CONTRACTOR TO BE RESPONSIBLE FOR ANY ADJUSTMENTS, RELOCATIONS OR INSTALLATION OF NEW FM, WHERE IN CONFLICT WITH THIS PROJECT. CONTRACTOR IS ALSO RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND SHALL INCLUDE THIS SCOPE OF WORK IN THE PROJECT CONSTRUCTION SCHEDULE. ANY DELAY OR INCONVENIENCE BY THE CONTRACTOR SHALL BE INCIDENTAL TO THE CONTRACT.

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections
OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

UTILITY ADJUSTMENTS (8) HARTWOOD MARSH ROAD

SHEET NO. 207

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

SOUTH LAKE CHARTER ELEMENTARY

N

0 10 40
Feet

25KV OE TO REMAIN (SECO)
OFOC TO REMAIN (SUMMIT BROADBAND)
OTV TO REMAIN (SPECTRUM)

BFOC (VERIZON)

12" PVC FM
(CITY OF CLERMONT)

4" PVC FM TO REMAIN (SOUTH LAKE CHARTER ELEMENTARY SCHOOL)
SEE NOTES

(3) BFOC HDPE DUCTS
TO REMAIN (ZAYO)

25KV BE TO
REMAIN (SECO)

R/W LINE

R/W LINE

25KV BE TO
REMAIN (SECO)

25KV BE TO
REMAIN (SECO)

UNKNOWN
UTILITY

℄ CONST HARTWOOD MARSH ROAD

HARTWOOD MARSH ROAD

8" DIP WM
(CITY OF CLERMONT)

PROPOSED 12" PVC FM
(CITY OF CLERMONT)

PROPOSED 8" DIP WM
(CITY OF CLERMONT)

12" PVC FM
(CITY OF CLERMONT)

STA 147+20

148 149 150 151 152

STA 152+80

MATCHLINE

MATCHLINE

R/W LINE

12" PVC NPW
MAIN (CITY OF CLERMONT)

16" DIP WM
(CITY OF CLERMONT)

PROPOSED 12" PVC WM
(CITY OF CLERMONT)

PROPOSED 16" DIP WM
(CITY OF CLERMONT)

6" STEEL GAS MAIN TO BE
RELOCATED BY OTHERS (LANGD)

PROPOSED 6" STEEL GAS
MAIN BY OTHERS (LANGD)

12" PVC NPW
MAIN (CITY OF CLERMONT)

16" DIP WM
(CITY OF CLERMONT)

(1) BFOC/BT TO BE REMOVED BY OTHERS (CENTURYLINK)

(2) BFOC/BT TO REMAIN (CENTURYLINK)

(3) PROPOSED BFOC/BT BY OTHERS (CENTURYLINK)

NOTES:

1. FOR DISPOSITIONS OF EXISTING CITY OF CLERMONT UTILITIES & APPURTENANCES, SEE HARTWOOD MARSH ROAD UTILITY ADJUSTMENT PLANS PREPARED BY HALFF ASSOCIATES, INC., DATED 06-04-2024.
2. COORDINATE DISPOSITION/RELOCATION OF THE SOUTH LAKE CHARTER ELEMENTARY SCHOOL FM (FORCE MAIN) WITH THE SCHOOL, CITY OF CLERMONT & THE COUNTY. CONTRACTOR TO BE RESPONSIBLE FOR ANY ADJUSTMENTS, RELOCATIONS OR INSTALLATION OF NEW FM, WHERE IN CONFLICT WITH THIS PROJECT. CONTRACTOR IS ALSO RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND SHALL INCLUDE THIS SCOPE OF WORK IN THE PROJECT CONSTRUCTION SCHEDULE. ANY DELAY OR INCONVENIENCE BY THE CONTRACTOR SHALL BE INCIDENTAL TO THE CONTRACT.

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

UTILITY ADJUSTMENTS (9) HARTWOOD MARSH ROAD

SHEET NO. 208

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

END CONSTRUCTION
END PROJECT
BEGIN WIDENING
BEGIN MILLING & RESURFACING
STA 155+50.00

(3) BFOC HDPE DUCTS (ZAYO)

BFOC (VERIZON)

R/W LINE

(3) BFOC HDPE DUCTS (ZAYO)

12" PVC FM (CITY OF CLERMONT)

HARTWOOD MARSH ROAD

℄ CONST HARTWOOD MARSH ROAD

PROPOSED 12" PVC NPW (CITY OF CLERMONT)

12" PVC FM (CITY OF CLERMONT)

STA 152+80

STA 158+40

MATCHLINE

MATCHLINE

153 154 155 156 157 158

DWG 083

DWG 077

DWG 079

R/W LINE

R/W LINE

R/W LINE

PROPOSED 16" DIP WM (CITY OF CLERMONT)

PROPOSED 12" PVC NPW (CITY OF CLERMONT)

12" PVC NPW (CITY OF CLERMONT)

16" DIP WM (CITY OF CLERMONT)

6" STEEL GAS MAIN TO BE RELOCATED BY OTHERS (LANGD)

PROPOSED 6" STEEL GAS MAIN BY OTHERS (LANGD)

7.5' DRAINAGE & UTILITY EASEMENT ON THE SIDES & REAR (TYP.) PER PB 64 PGS 93-95

TRACT A 15' LANDSCAPE BUFFER WITH SCREENED WALL

10.00' UTILITY EASEMENT PER PB 48, PAGE 33

CENTER LINE OF 18' DRAINAGE EASEMENT PER PB 48, PAGE 32-36

9' UTILITY EASEMENT PER PB 48 PGS 32-36

10' LANDSCAPE EASEMENT PER PB 48 PGS 32-36

N

0 10 40
Feet

NOTES:

1. FOR DISPOSITIONS OF EXISTING CITY OF CLERMONT UTILITIES & APPURTENANCES, SEE HARTWOOD MARSH ROAD UTILITY ADJUSTMENT PLANS PREPARED BY HALFF ASSOCIATES, INC., DATED 06-04-2024.

1. 25KV OE TO BE RELOCATED BY OTHERS (SECO)
2. PROPOSED 25KV OE BY OTHERS (SECO)
3. 25KV OE TO REMAIN (SECO)
4. 25KV BE TO REMAIN (SECO)
5. OTV TO BE RELOCATED BY OTHERS (SPECTRUM)
6. PROPOSED OTV BY OTHERS (SPECTRUM)
7. OTV TO REMAIN (SPECTRUM)
8. OFOC TO BE RELOCATED BY OTHERS (SUMMIT BROADBAND)
9. OFOC TO REMAIN (SUMMIT BROADBAND)
10. PROPOSED OFOC BY OTHERS (SUMMIT BROADBAND)
11. BFOC/BT TO BE REMOVED BY OTHERS (CENTURYLINK)
12. PROPOSED BFOC/BT BY OTHERS (CENTURYLINK)
13. PROPOSED 25KV BE BY OTHERS (SECO)

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

UTILITY ADJUSTMENTS (10)
HARTWOOD MARSH ROAD

SHEET NO.
209

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

PROPOSED 25KV OE BY OTHERS (SECO), PROPOSED OFOC BY OTHERS (SUMMIT BROADBAND) PROPOSED OTV BY OTHERS (SPECTRUM)

12" PVC FM (CITY OF CLERMONT)

12" PVC FM (CITY OF CLERMONT)

BFOC TO REMAIN (VERIZON)

25KV BE TO REMAIN (SECO)

(3) BFOC HDPE DUCTS TO REMAIN (ZAYO)

2" STEEL GAS MAIN TO REMAIN (LANGD)

R/W LINE

CAPLOCK STREET

R/W LINE

N

0 10 40

Feet

10' UTILITY EASEMENT IN FRONT (TYP.) PER PB 64 PGS 93-95

7.5' DRAINAGE & UTILITY EASEMENT ON THE SIDES & REAR (TYP.) PER PB 64 PGS 93-95

7.5' DRAINAGE & UTILITY EASEMENT ON THE SIDES & REAR (TYP.) PER PB 64 PGS 93-95

LANDSCAPE BUFFER WITH SCREEN WALL

5' GRADING & DRAINAGE EASEMENT DEDICATED TO LAKE COUNTY PER PB 64 PGS 93-95

7.5' DRAINAGE & UTILITY EASEMENT ON THE SIDES & REAR (TYP.) PER PB 64 PGS 93-95

SANITARY MANHOLE TOP=125.19 E INV: 118.87 NW INV: 118.90

STA 158+40

MATCHLINE

159 160 161 162 163

HARTWOOD MARSH ROAD

25KV OE TO BE RELOCATED BY OTHERS (SECO) OFOC TO BE RELOCATED BY OTHERS (SUMMIT BROADBAND) OTV TO BE RELOCATED BY OTHERS (SPECTRUM)

PROPOSED 12" PVC FM (CITY OF CLERMONT)

25KV OE TO REMAIN (SECO) OFOC TO REMAIN (SUMMIT BROADBAND) OTV TO REMAIN (SPECTRUM)

12" PVC FM (CITY OF CLERMONT)

6" STEEL GAS MAIN TO BE RELOCATED BY OTHERS (LANGD)

12" PVC NPW (CITY OF CLERMONT)

℄ CONST HARTWOOD MARSH ROAD

16" DIP WM (CITY OF CLERMONT)

12" PVC NPW (CITY OF CLERMONT)

16" DIP WM (CITY OF CLERMONT)

PROPOSED 16" DIP WM (CITY OF CLERMONT)

6" STEEL GAS MAIN TO BE RELOCATED BY OTHERS (LANGD)

PROPOSED 12" PVC NPW (CITY OF CLERMONT)

R/W LINE

16" DIP WM (CITY OF CLERMONT)

12" PVC NPW (CITY OF CLERMONT)

PROPOSED 6" STEEL GAS MAIN BY OTHERS (LANGD)

10.00' UTILITY EASEMENT PER PB 48, PAGE 33

18" RCP

SANITARY MANHOLE TOP=125.91

CENTER LINE OF 18' DRAINAGE EASEMENT PER PB 48, PAGE 3

6" STEEL GAS MAIN TO REMAIN (LANGD)

R/W LINE

R/W LINE

REGENCY HILLS DR

(1) BFOC/BT TO BE REMOVED BY OTHERS (CENTURYLINK)

(2) BT TO REMAIN (CENTURYLINK)

(3) PROPOSED BFOC/BT BY OTHERS (CENTURYLINK)

(4) PROPOSED BFOC/BTV BY OTHERS (SPECTRUM)

(5) BFOC/BTV TO BE REOCATED BY OTHERS (SPECTRUM)

(6) 16" DIP WATER MAIN (CITY OF CLERMONT)

NOTES:

1. FOR DISPOSITIONS OF EXISTING CITY OF CLERMONT UTILITIES & APPURTENANCES, SEE HARTWOOD MARSH ROAD UTILITY ADJUSTMENT PLANS PREPARED BY HALFF ASSOCIATES, INC., DATED 06-04-2024.

7.50' DRAINAGE & UTILITY EASEMENT PER PB 48 PGS 32-36 (TYPICAL BACK LOT)

7.50' DRAINAGE & UTILITY EASEMENT PER PB 48 PGS 32-36 (TYPICAL SIDE LOT)

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC. Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

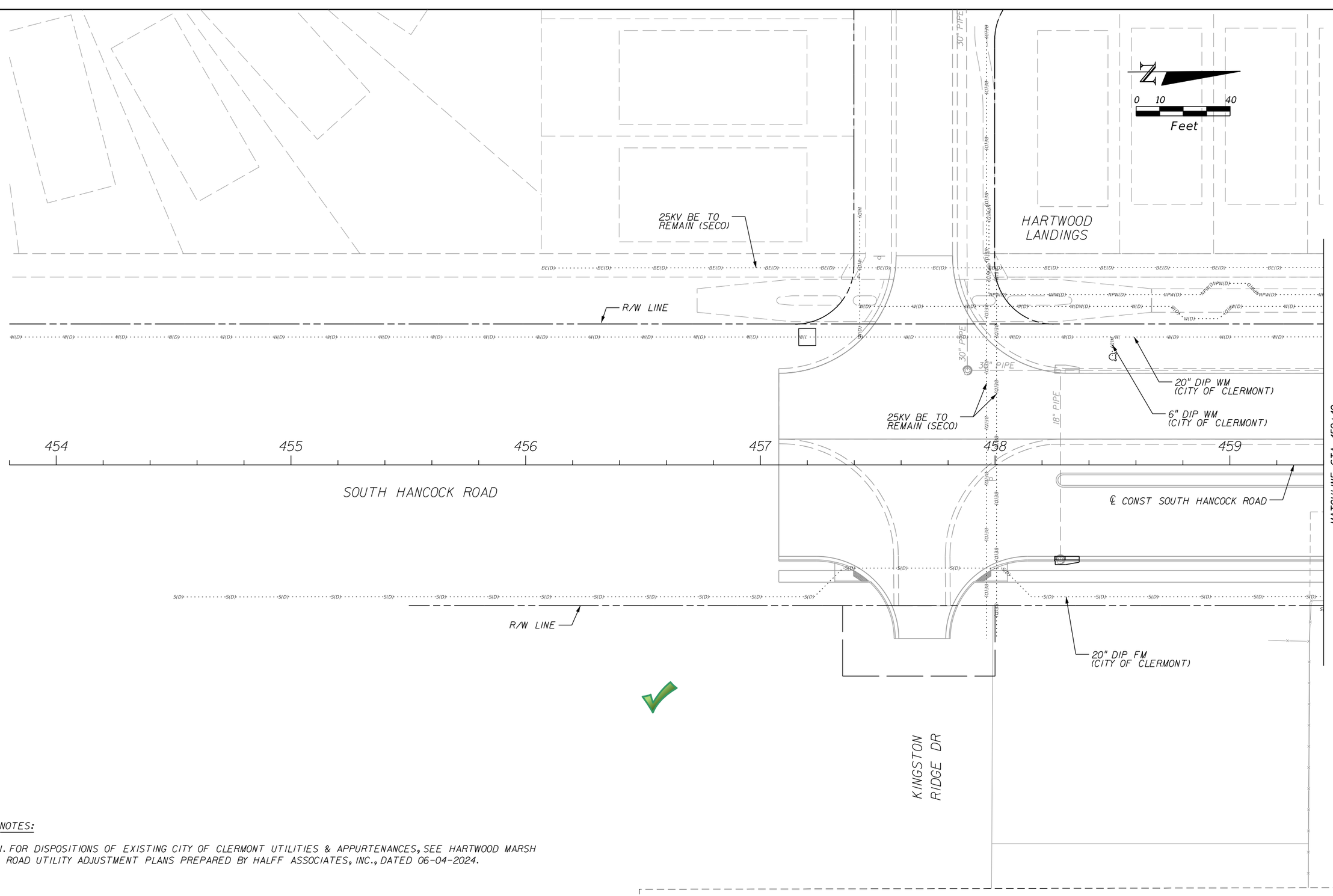
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

UTILITY ADJUSTMENTS (11) HARTWOOD MARSH ROAD

SHEET NO. 210

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



NOTES:

1. FOR DISPOSITIONS OF EXISTING CITY OF CLERMONT UTILITIES & APPURTENANCES, SEE HARTWOOD MARSH ROAD UTILITY ADJUSTMENT PLANS PREPARED BY HALFF ASSOCIATES, INC., DATED 06-04-2024.

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

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

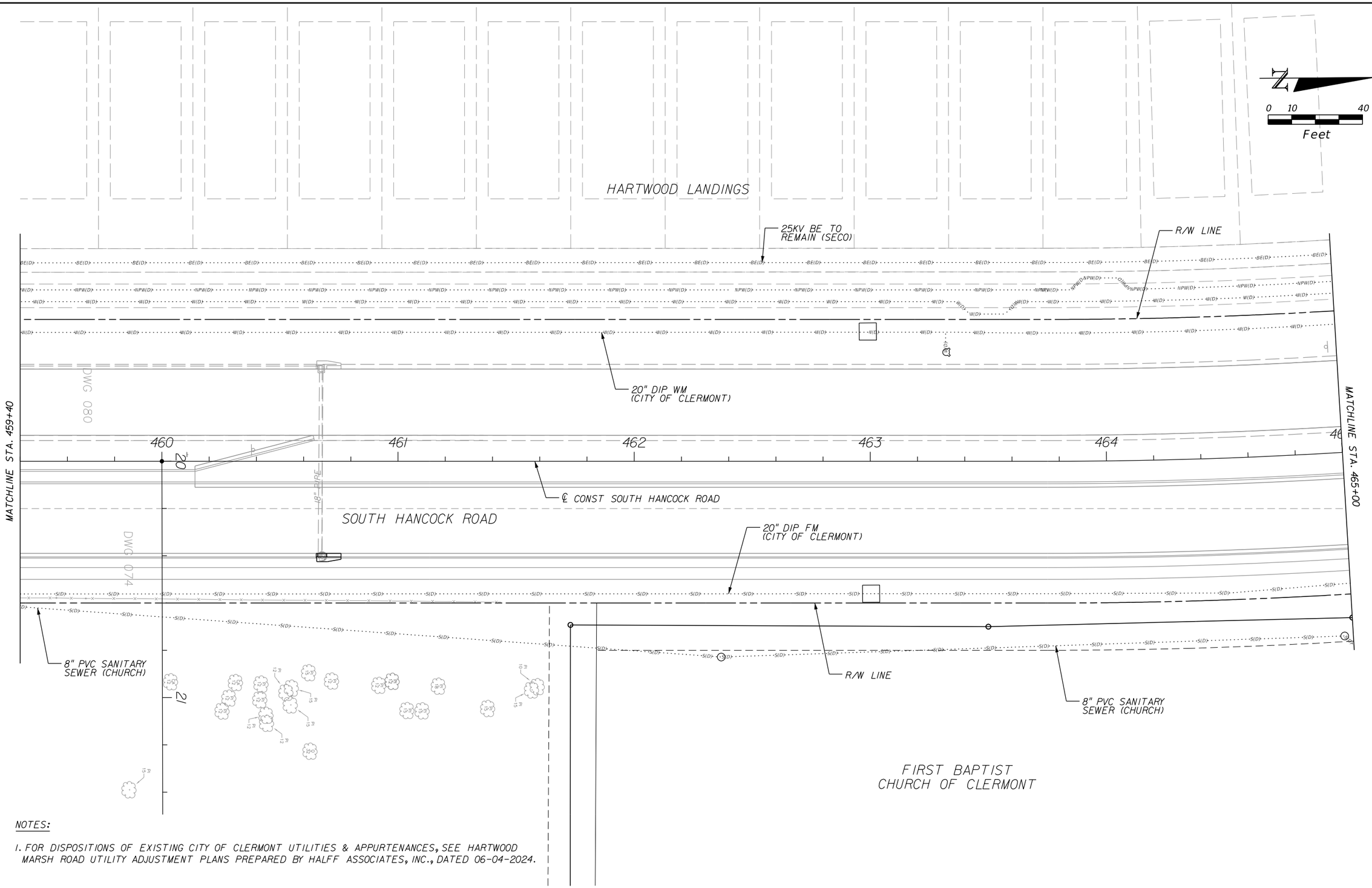
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

UTILITY ADJUSTMENTS (12) SOUTH HANCOCK ROAD

SHEET NO. 211



NOTES:

1. FOR DISPOSITIONS OF EXISTING CITY OF CLERMONT UTILITIES & APPURTENANCES, SEE HARTWOOD MARSH ROAD UTILITY ADJUSTMENT PLANS PREPARED BY HALFF ASSOCIATES, INC., DATED 06-04-2024.

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

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
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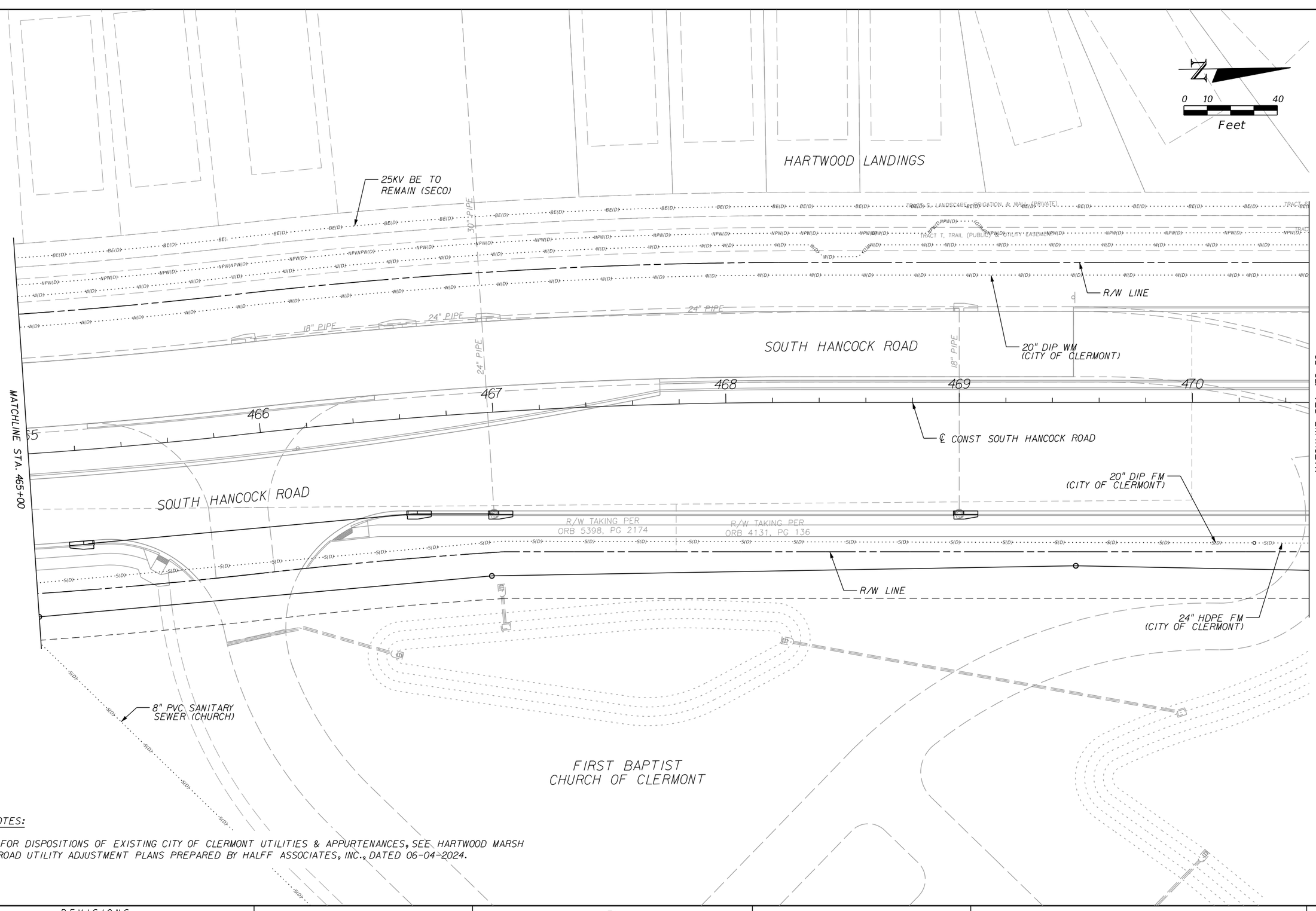
ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

UTILITY ADJUSTMENTS (13) SOUTH HANCOCK ROAD

SHEET NO. 212



NOTES:

1. FOR DISPOSITIONS OF EXISTING CITY OF CLERMONT UTILITIES & APPURTENANCES, SEE HARTWOOD MARSH ROAD UTILITY ADJUSTMENT PLANS PREPARED BY HALFF ASSOCIATES, INC., DATED 06-04-2024.

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
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ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

UTILITY ADJUSTMENTS (14)
SOUTH HANCOCK ROAD

SHEET NO. 213

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

CAMBRIDGE AT KINGS RIDGE

CAMBRIDGE AT KINGS RIDGE

N

0 10 40

Feet

BFOC/BT TO BE REMOVED BY OTHERS (CENTURYLINK)

25KV POLE & OE TO REMAIN (SECO)

PROPOSED 12" PVC FM (CITY OF CLERMONT)

BFOC TO REMAIN (OPTICALTEL)

25KV POLE & OE TO REMAIN (SECO)

20" DIP WM (CITY OF CLERMONT)

PROPOSED 12" PVC FM (CITY OF CLERMONT)

PROPOSED BFOC/BT BY OTHERS (CENTURYLINK)

BFOC/BT TO BE REMOVED BY OTHERS (CENTURYLINK)

PROPOSED (3)1.25" BFOC BY OTHERS (DUKE TELECOM)

R/W LINE

10" PVC WM (CITY OF CLERMONT)

SEE SHEET UTILITY ADJUSTMENTS (7) MATCHLINE STA 474+00

474 475 476 SOUTH HANCOCK ROAD 477 478 479

MATCHLINE STA 479+80

℄ CONST SOUTH HANCOCK ROAD

6" STEEL GAS MAIN TO BE RELOCATED BY OTHERS (LANGD)

R/W LINE

7.5' DRAINAGE & UTILITY EASEMENT

7.5' DRAINAGE & UTILITY EASEMENT

16" PVC FM (CITY OF CLERMONT)

24" HDPE FM (CITY OF CLERMONT)

PROPOSED 16" DIP FM (CITY OF CLERMONT)

PROPOSED 6" STEEL GAS MAIN BY OTHERS (LANGD)

7.5' DRAINAGE & UTILITY EASEMENT

7.5' DRAINAGE & UTILITY EASEMENT

7.5' DRAINAGE & UTILITY EASEMENT

10' UTILITY EASEMENT

NOTES:

1. FOR DISPOSITIONS OF EXISTING CITY OF CLERMONT UTILITIES & APPURTENANCES, SEE HARTWOOD MARSH ROAD UTILITY ADJUSTMENT PLANS PREPARED BY HALFF ASSOCIATES, INC., DATED 06-04-2024.

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

UTILITY ADJUSTMENTS (15)
SOUTH HANCOCK ROAD

SHEET NO. 214

CAMBRIDGE AT KINGS RIDGE

CAMBRIDGE AT KINGS RIDGE

0 10 40
Feet

PROPOSED BFOC/BT BY OTHERS (CENTURYLINK)

BFOC/BT TO BE REMOVED BY OTHERS (CENTURYLINK)

10" PVC WM (CITY OF CLERMONT)

BFOC TO REMAIN (OPTICALTEL)

R/W LINE

20" DIP WM (CITY OF CLERMONT)

25KV POLE & OE TO REMAIN (SECO)

PROPOSED (3)1.25" BFOC BY OTHERS (DUKE TELECOM)

25KV POLE & OE TO REMAIN (SECO)

MATCHLINE STA 479+80

480 481 482 483 484 485

POT STA 485+92.97

℄ CONST SOUTH HANCOCK ROAD

SOUTH HANCOCK ROAD

16" PVC FM (CITY OF CLERMONT)

TRAIL (LANDSCAPING & BIOFILTER AREA)

6" STEEL GAS MAIN TO BE RELOCATED BY OTHERS (LANGD)

24" HDPE FM (CITY OF CLERMONT)

R/W LINE

PROPOSED 6" STEEL GAS MAIN BY OTHERS (LANGD)

END MILLING, RESURFACING & WIDENING
END CONSTRUCTION
STA 482+58.00

HARTWOOD PINES WAY

R/W LINE

R/W LINE

NOTES:

1. FOR DISPOSITIONS OF EXISTING CITY OF CLERMONT UTILITIES & APPURTENANCES, SEE HARTWOOD MARSH ROAD UTILITY ADJUSTMENT PLANS PREPARED BY HALFF ASSOCIATES, INC., DATED 06-04-2024.

REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

UTILITY ADJUSTMENTS (16)
SOUTH HANCOCK ROAD

SHEET NO.
215

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SUMMARY OF VERIFIED UTILITIES

Vvh #	UTILITY DESCRIPTION (Owner, Type)	SIZE	MATERIALS	℄ and/or ℄ STATION	℄ and/or ℄ OFFSET	℄ and/or ℄ LT/RT	EXISTING GROUND ELEVATION	TOP ELEVATION	COMMENTS
SP1-A	N/A, EXP	N/A	N/A	113+56.71	55.02'	LT	152.29'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 2.90'; PROBED 12.00'
SP1-B	N/A, EXP	N/A	N/A	113+59.26	57.93'	LT	151.72'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 7.40'; PROBED 12.00'
SP1-C	N/A, EXP	N/A	N/A	113+57.17	60.41'	LT	152.73'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 3.70'; PROBED 12.00'
SP1-D	UNK, UNK	1.00"	PVC	113+58.88	58.83'	LT	152.00'	151.40'	POSSIBLY IRRIGATION
SP1-E	N/A, EXP	N/A	N/A	113+54.68	57.91'	LT	153.20'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 6.60'; PROBED 12.00'
SP2-A	N/A, EXP	N/A	N/A	114+25.08	59.44'	LT	151.97'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 6.20'; PROBED 12.00'
SP2-B	UNK, UNK	1.75"	PVC	114+23.88	58.38'	LT	151.97'	150.17'	
SP2-C	N/A, EXP	N/A	N/A	114+22.20	61.12'	LT	152.07'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 6.30'; PROBED 12.00'
SP2-D	N/A, EXP	N/A	N/A	114+19.95	59.15'	LT	152.05'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 6.30'; PROBED 12.00'
SP2-E	UNK, UNK	0.75"	PVC	114+22.13	59.41'	LT	152.12'	151.22'	POSSIBLY IRR OR BE FOR LIGHTING
SP2-F	N/A, EXP	N/A	N/A	114+22.48	56.60'	LT	152.20'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 6.40'; PROBED 12.00'
SP3-A	N/A, EXP	N/A	N/A	114+32.51	46.90'	RT	149.46'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 7.40'; PROBED 12.00'; FM POSSIBLY DEEPER THAN 13.00'
SP3-B	N/A, EXP	N/A	N/A	114+35.34	48.74'	RT	149.35'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 6.25'; PROBED 12.00'; TRIED TO LOCATE FM; TH COLLAPSE DUE TO SOIL CONDITIONS
SP3-C	N/A, EXP	N/A	N/A	114+29.74	48.80'	RT	149.58'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 7.50'; PROBED 12.00'
SP4	UNK, UNK, IRR	(1)0.75" (1)3.00"	PVC	113+51.99	50.86'	RT	150.07'	149.57'	
SP4-A	N/A, EXP	N/A	N/A	113+51.77	48.50'	RT	150.09'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 8.90'; PROBED 12.00'
SP4-B	N/A, EXP	N/A	N/A	113+49.22	50.16'	RT	150.18'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 7.20'; PROBED 12.00'
SP4-C	N/A, EXP	N/A	N/A	113+54.68	50.10'	RT	150.20'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 7.30'; PROBED 12.00'
SP4-D	CITY OF CLERMONT, FM	12.00"	PVC	113+50.92	48.90'	RT	150.11'	142.61'	CENTER OF FM
SP4-D*	CITY OF CLERMONT, FM	12.00"	PVC	113+50.90	49.32'	RT	149.88'	N/A	SOUTH EDGE OF FM
SP5	UNK, UNK	N/A	N/A	139+47.57	56.36'	LT	134.70'	N/A	NORTH EDGE OF UNK UTILITY
SP5-A	UNK, UNK	24.00"	CONC	139+47.62	55.27'	LT	134.73'	132.73'	POSSIBLE FM IN CONCRETE CASING
SP5-B	N/A, EXP	N/A	N/A	139+48.46	56.92'	LT	134.97'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 4.00'; PROBED 12.00'; MOVED 2' NORTH DUE TO UNK UTILITY
SP5-C	N/A, EXP	N/A	N/A	139+45.43	58.64'	LT	134.58'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 7.30'; PROBED 12.00'
SP5-D	N/A, EXP	N/A	N/A	139+46.57	61.97'	LT	134.87'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 4.00'; PROBED 12.00'
SP5-E	N/A, EXP	N/A	N/A	139+49.89	59.91'	LT	135.30'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 7.30'; PROBED 12.00'
SP6-A	N/A, EXP	N/A	N/A	140+79.33	67.17'	LT	134.92'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 7.30'; PROBED 12.00'
SP6-B	UNK, UNK, BE	(3)2.00"	PVC	140+78.40	66.77'	LT	134.76'	132.36'	
SP6-C	N/A, EXP	N/A	N/A	140+82.41	69.94'	LT	135.12'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 7.30'; PROBED 12.00'
SP6-D	N/A, EXP	N/A	N/A	140+79.20	72.64'	LT	135.40'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 4.75'; PROBED 12.00'
SP6-E	N/A, EXP	N/A	N/A	140+76.64	69.28'	LT	135.12'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 6.00'; PROBED 12.00'
SP7-A	N/A, EXP	N/A	N/A	140+82.59	82.91'	RT	136.37'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 8.25'; PROBED 12.00'
SP7-B	N/A, EXP	N/A	N/A	140+77.15	83.66'	RT	136.29'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 8.15'; PROBED 12.00'
SP7-C	N/A, EXP	N/A	N/A	140+79.63	80.70'	RT	136.32'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 8.55'; PROBED 12.00'
SP7-D	N/A, EXP	N/A	N/A	140+80.54	86.00'	RT	136.44'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 8.65'; PROBED 12.00'
SP8-A	N/A, EXP	N/A	N/A	139+40.39	83.34'	RT	135.09'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 9.05'; PROBED 12.00'
SP8-B	N/A, EXP	N/A	N/A	139+37.68	81.35'	RT	134.88'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 8.40'; PROBED 12.00'; TH COLLAPSE DUE TO SOIL CONDITIONS
SP8-C	N/A, EXP	N/A	N/A	139+35.64	84.32'	RT	134.86'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 9.45'; PROBED 12.00'

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REVISIONS		
DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

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PHONE NO. (407) 704-7815
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ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

TABLE OF FIELD VERIFIED UTILITIES

SHEET NO. 216

SUMMARY OF VERIFIED UTILITIES

Vvh #	UTILITY DESCRIPTION (Owner, Type)	SIZE	MATERIALS	℄ and/or ℄			EXISTING GROUND ELEVATION	TOP ELEVATION	COMMENTS
				STATION	OFFSET	LT/RT			
SP8-D	N/A, EXP	N/A	N/A	139+38.39	86.59'	RT	134.91'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 8.00'; PROBED 12.00'
MA A-1	N/A, EXP	N/A	N/A	113+33.68	58.72'	RT	150.79'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 5.75'; PROBED 13.00'
MA A-2	N/A, EXP	N/A	N/A	113+36.62	55.89'	RT	150.54'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 8.80'; PROBED 13.00'
MA A-3	N/A, EXP	N/A	N/A	113+33.95	53.25'	RT	150.50'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 8.30'; PROBED 13.00'
MA A-4	N/A, EXP	N/A	N/A	113+30.51	56.12'	RT	150.78'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 8.35'; PROBED 13.00'
MA B-1	N/A, EXP	N/A	N/A	116+17.33	52.91'	RT	143.21'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 7.20'; PROBED 12.00'
MA B-2	N/A, EXP	N/A	N/A	116+14.66	50.11'	RT	143.52'	N/A	EXPLORATORY; VACUUMED 8.15'; PROBED 12.00'; FOUND AN UNK 1" & 3" PVC AT 1.00' DEPTH (POSSIBLE IRRIGATION)
MA B-3	N/A, EXP	N/A	N/A	116+11.31	52.82'	RT	143.45'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 7.30'; PROBED 12.00'
MA B-4	N/A, EXP	N/A	N/A	116+14.38	56.10'	RT	142.90'	N/A	EXPLORATORY- NO UTILITIES FOUND; UNABLE TO VACUUM DUE TO BUSHES; PROBED 12 .00'
MA C-1	N/A, EXP	N/A	N/A	115+16.65	60.93'	LT	149.91'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 8.85'; PROBED 12.00'
MA C-2	N/A, EXP	N/A	N/A	115+20.26	63.76'	LT	149.84'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 10.25'; PROBED 12.00'
MA C-3	N/A, EXP	N/A	N/A	115+22.78	60.25'	LT	149.40'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 8.80'; PROBED 12.00'
MA C-4	N/A, EXP	N/A	N/A	115+19.73	57.52'	LT	149.43'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 7.70'; PROBED 12.00'
MA G-1	N/A, EXP	N/A	N/A	140+74.74	77.49'	RT	136.24'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 8.30'; PROBED 13.00'
MA G-2	N/A, EXP	N/A	N/A	140+80.62	79.08'	RT	136.29'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 8.25'; PROBED 13.00'
MA G-3	N/A, EXP	N/A	N/A	140+79.11	75.13'	RT	136.22'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 7.20'; PROBED 13.00'
MA G-4	N/A, EXP	N/A	N/A	140+77.09	81.35'	RT	136.25'	N/A	EXPLORATORY- NO UTILITIES FOUND; VACUUMED 9.45'; PROBED 13.00'

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REVISIONS		
DATE	BY	DESCRIPTION

OM Engineering Services, Inc.
Civil • Structural • Inspections

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ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
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ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

TABLE OF FIELD VERIFIED UTILITIES

SHEET NO. 217

PAVEMENT MARKINGS & SIGNING

1. ALL PAVEMENT MARKINGS SHALL BE LEAD AND SOLVENT-FREE REFLECTORIZED THERMOPLASTIC PAVEMENT MARKINGS UNLESS OTHERWISE NOTED.

2. ALL PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST EDITION OF FDOT STANDARDS, INCLUDING BUT NOT LIMITED TO 'STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DESIGN STANDARDS, THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD, 2023), AND LAKE COUNTY SPECIFICATIONS. WHERE THE SPECIFICATIONS CONFLICT, THE MAXIMUM REQUIREMENTS SHALL APPLY UNLESS OTHERWISE DIRECTED BY THE ENGINEER OF RECORD.

3. ALL CENTERLINE PAVEMENT MARKINGS SHALL HAVE REFLECTIVE RAISED PAVEMENT MARKINGS (RPMS) PER FDOT STANDARDS INDEX 706-001 UNLESS OTHERWISE NOTED.

4. ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE PLANS. ALL TRAFFIC CONTROL SIGNS DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE COUNTY.

5. THE CONTRACTOR SHALL COORDINATE ALL PAVEMENT MARKINGS, SIGNING, AND SIGNAL WORK WITH LAKE COUNTY TRAFFIC OPERATIONS. THE CONTRACTOR SHALL NOTIFY LAKE COUNTY TRAFFIC OPERATIONS (352) 742-1766 AT LEAST 48 HOURS BEFORE THE COMMENCEMENT OF ANY PAVEMENT MARKINGS, SIGNING, OR SIGNAL WORK.

6. ALL SIGNS AND SIGNAL EQUIPMENT TO BE REMOVED ARE THE PROPERTY OF LAKE COUNTY. THESE ITEMS SHALL BE RETURNED TO LAKE COUNTY TRAFFIC OPERATIONS OR DISPOSED BY THE CONTRACTOR AT LAKE COUNTY TRAFFIC OPERATIONS' DIRECTION.

7. ALL MATERIALS AND HARDWARE SHALL BE FDOT APPROVED AND PRE-APPROVED BY LAKE COUNTY TRAFFIC OPERATIONS BEFORE INSTALLATION.

8. EXISTING PAVEMENT MARKINGS DESIGNATED FOR REMOVAL SHALL BE MILLED AND RESURFACED FOLLOWING FDOT REQUIREMENTS AND SPECIFICATIONS, SECTION 711.

9. IF PRESENT, LAKE XPRESS BUS STOP SIGNS ARE NOT TO BE REMOVED NOR MOVED BY THE CONTRACTOR. ALL MOVES SHALL BE COORDINATED WITH AND HANDLED BY THE LAKE XPRESS BUS STOP COORDINATOR AND SHALL BE CONTACTED 2 WEEKS BEFORE ANY SCHEDULED REMOVAL/RELOCATES OF THE BUS BENCHES AND SIGNS.

10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY POST SIZES AND LENGTH BEFORE FABRICATION. THE CONTRACTOR MAY USE ALTERNATE POST MATERIAL UPON PROVIDING JUSTIFICATION TO THE ENGINEER OF RECORD.

11. FOR LOCATIONS THAT SPECIFY PREFORMED THERMOPLASTIC MARKINGS, THE CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S SURFACE PREPARATION PROCEDURES, INCLUDING THE USE OF SURFACE-APPLIED ADHESIVE/PRIMER.

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REVISIONS		
DATE	BY	DESCRIPTION

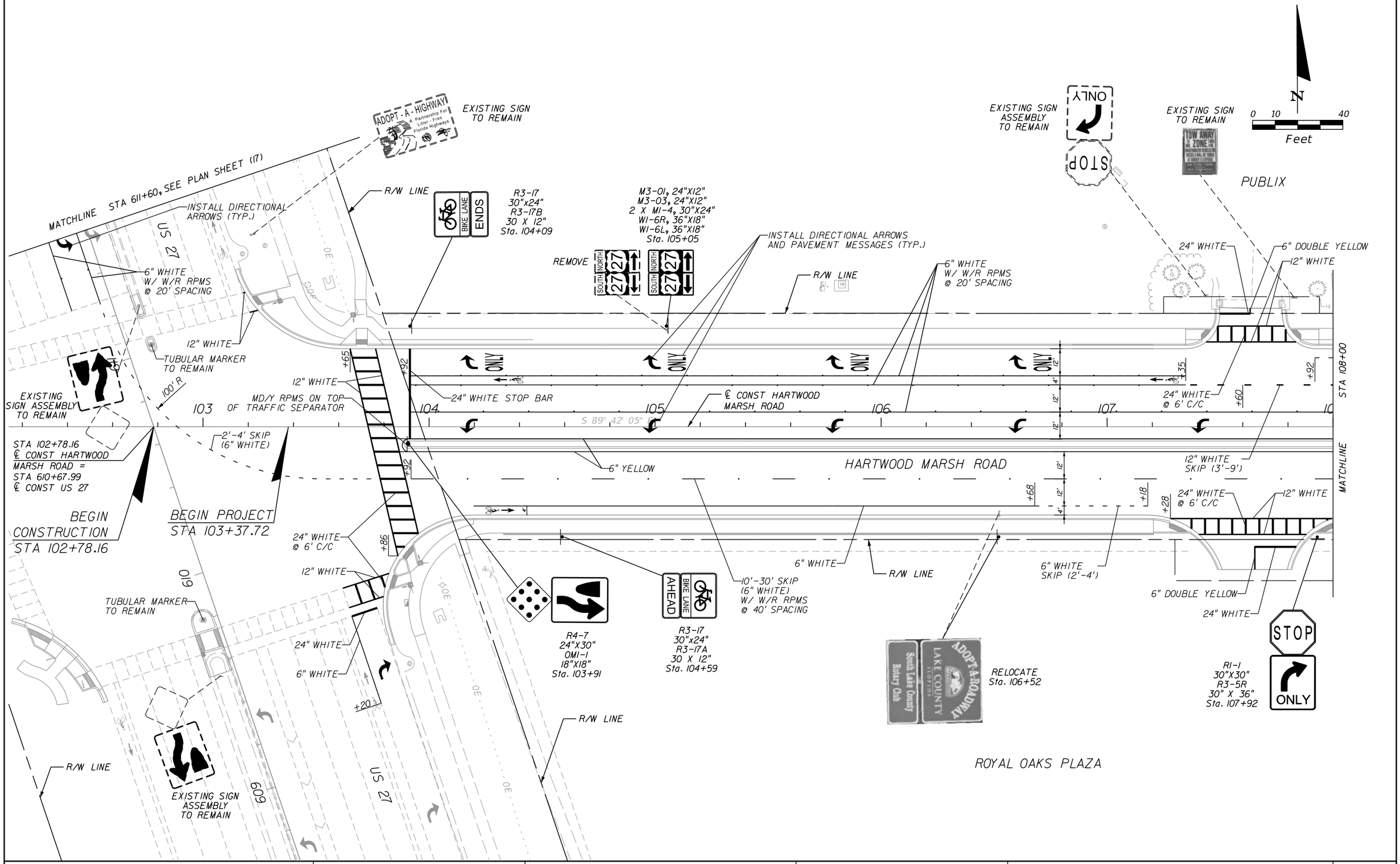
OM ENGINEERING SERVICES, INC.
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ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
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HARTWOOD MARSH ROAD - PHASE I

SIGNING & PAVEMENT MARKING GENERAL NOTES

SHEET NO. 218



REVISIONS		
DATE	BY	DESCRIPTION

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

SIGNING & PAVEMENT MARKING PLAN SHEET (1) HARTWOOD MARSH ROAD

SHEET NO. 219

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N

0 10 40

Feet

R3-8B
48" X 30"
Sta. 109+40

R2-1
36" X 48"
Sta. 110+49

R1-1
30"x30"
R3-5R
30"x36"
Sta. 111+35

REMOVE

W4-7L
30"X30"
Sta. 112+59

6" WHITE
SKIP (2'-4')

6" WHITE
W/ W/R RPMS
@ 20' SPACING

INSTALL DIRECTIONAL
ARROWS (TYP.)

R/W LINE

12" WHITE
SKIP (3'-9')

10'-30' SKIP
(6" WHITE)
W/ W/R RPMS
@ 40' SPACING

24" WHITE

6" DOUBLE YELLOW

MD/W RPMS ON TOP OF
CURB AT 8" (TYP)

MD/Y RPMS ON TOP OF
TRAFFIC SEPARATOR (TYP)

6" WHITE SKIP (2'-4')

6" WHITE

STA 108+00

STA 113+60

MATCHLINE

6" WHITE

6" YELLOW

TUBULAR MARKER
(YELLOW) (TYP)

18" YELLOW
@ 10' C/C

12" WHITE

24" WHITE
@ 6' C/C

8" WHITE

109

110

111

112

113

88° 42' 05" E

HARTWOOD MARSH ROAD

6" WHITE
SKIP (2'-4')

6" WHITE
SKIP (6'-10')

℄ CONST HARTWOOD
MARSH ROAD

6" WHITE
W/ W/R RPMS
@ 20' SPACING

6" YELLOW

18" YELLOW
@ 10' C/C

24" WHITE

INDEX 711-002 (TYP.)

10'-30' SKIP
(6" WHITE)
W/ W/R RPMS
@ 40' SPACING

CITY OF CLERMONT
FIRE STATION
NO. 2

RELOCATE
Sta. 111+00

6" DOUBLE YELLOW

24" WHITE

STOP
ONLY

R1-1
30"x30"
R3-5R
30"x36"
Sta. 111+98

STOP

REMOVE

SPEED
LIMIT
40

REMOVE

STOP
HERE ON
RED

R110-6
24"x36"
Sta. 113+30

STOP
HERE ON
RED

REMOVE

ROYAL OAKS PLAZA

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH
ROAD - PHASE I

SIGNING & PAVEMENT MARKING
PLAN SHEET (2)
HARTWOOD MARSH ROAD

SHEET NO.
220

EXISTING SIGN ASSEMBLY TO REMAIN

HARTWOOD MARSH RD

DANBURY MILL BLVD

R/W LINE

DANBURY MILL BLVD

R6-1R
36"x12"
R6-3A
30"x24"
Sta. 115+26

ONE WAY

HIGHWAY

DIVIDED

CITY OF CLERMONT
FIRE STATION # 2

STOP

REMOVE

RELOCATE
Sta. 116+65

CITY OF CLERMONT FIRE STATION NO. 2

R/W LINE

REMOVE

STOP HERE ON RED

R6-1L
36"x12"

ONE WAY

24" WHITE

10'-30' SKIP (6" WHITE
W/ W/R RPMS @ 40' SPACING

6" WHITE
W/ W/R RPMS
@ 20' SPACING

INSTALL DIRECTIONAL ARROWS
AND PAVEMENT MESSAGES (TYP.)

R/W LINE

6" WHITE

R/W LINE

6" WHITE

STA 113+60

6" YELLOW

18" YELLOW
@ 10' C/C

12" WHITE

24" WHITE
@ 6' C/C

6" WHITE
SKIP (2'-4')

6" WHITE
SKIP (6'-10')

STA 119+20

MATCHLINE

6" YELLOW

24" WHITE

R6-1L
36"x12"
Sta. 115+49

℄ CONST HARTWOOD
MARSH ROAD

HARTWOOD MARSH ROAD

6" YELLOW

MATCHLINE

6'-10' SKIP
(6" YELLOW)

MD/Y RPMS ON
TOP OF TRAFFIC
SEPARATOR (TYP)

6" WHITE

R/W LINE

10'-30' SKIP
(6" WHITE)
W/ W/R RPMS
@ 40' SPACING

3 X OMI-3
18"X18"
Sta. 115+37
Sta. 115+61
Sta. 115+73

OFFICIAL USE ONLY

R3-18
24"x24"
FTP-66-04 (MOD)
24"x12"
Sta. 113+72

OFFICIAL USE ONLY

R3-18
24"x24"
FTP-66-04 (MOD)
24"x12"
Sta. 114+22

SPEED LIMIT 40

R2-1
36" X 48"
Sta. 117+03

N

0 10 40

Feet

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P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

SIGNING & PAVEMENT MARKING PLAN SHEET (3) HARTWOOD MARSH ROAD

SHEET NO. 221

N

0 10 40

Feet

10'-30' SKIP
(6" WHITE)
W/ W/R RPMS
@ 40' SPACING

R/W LINE

6" WHITE

FIBERGLASS WEIR
TOP=126.35'

MD/Y RPMS ON TOP OF
CURB AT 8" (TYP)

MD/Y RPMS ON TOP
OF CURB (TYP)

TUBULAR MARKER
(YELLOW)

6" YELLOW

HARTWOOD MARSH ROAD

6" YELLOW

STA 119+20

MATCHLINE

120 121 122 123 124

4' 12' 12' 4'

22'

6" (TYP)

+45

+15

+65

STA 124+80

MATCHLINE

℄ CONST HARTWOOD
MARSH ROAD

10'-30' SKIP
(6" WHITE)
W/ W/R RPMS
@ 40' SPACING

R/W LINE

6" WHITE

6" WHITE SKIP (2'-4')

R6-1L
36"x12"
Sta. 124+75

A/M-NO

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DATE	BY	DESCRIPTION

OM Engineering Services, Inc.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
ORLANDO, FLORIDA 32801
PHONE NO. (407) 704-7815
FAX: (407) 704-7816

ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

SIGNING & PAVEMENT MARKING
PLAN SHEET (4)
HARTWOOD MARSH ROAD

SHEET NO.
222

N

0 10 40

Feet

3 X OMI-3
18"X18"
Sta. 124+94
Sta. 125+06
Sta. 125+30

MD/Y RPMS ON TOP OF TRAFFIC SEPARATOR (TYP)

6" WHITE W/ W/R RPMS @ 20' SPACING

10'-30' SKIP (6" WHITE) W/ W/R RPMS @ 40' SPACING

INSTALL DIRECTIONAL ARROWS (TYP.)

R/W LINE

BIKE LANE
R3-17
30"X24"
Sta. 129+00

6" WHITE

ONE WAY
R6-1L
36"x12"
Sta. 125+18

6" WHITE SKIP (6'-10')

HARTWOOD MARSH ROAD

℄ CONST HARTWOOD MARSH ROAD

S 89° 42' 05" E

STA 124+80

STA 130+40

MATCHLINE

MATCHLINE

125 126 127 128 129 130

+60 +60

+65 +40 +56

12' 4' 12' 15' 12' 4' 12' 22' 12' 4' 12' 12' 4'

68'

65

TUBULAR MARKER (YELLOW)

12" WHITE
24" WHITE @ 6' C/C

6" YELLOW

INDEX 711-002 (TYP.)

+05 13'

24" WHITE

6" WHITE

6" DOUBLE YELLOW

10'-30' SKIP (6" WHITE) W/ W/R RPMS @ 40' SPACING

6" WHITE

R/W LINE

ONE WAY
R6-1L
36"x12"

ONE WAY

STOP
R6-1R
36"x12"
R1-1
30"x30"
R6-3A
30"x24"
Sta. 125+45

DIVIDED HIGHWAY

BIKE LANE
R3-17
30"x24"
Sta. 129+00

SELF STORAGE

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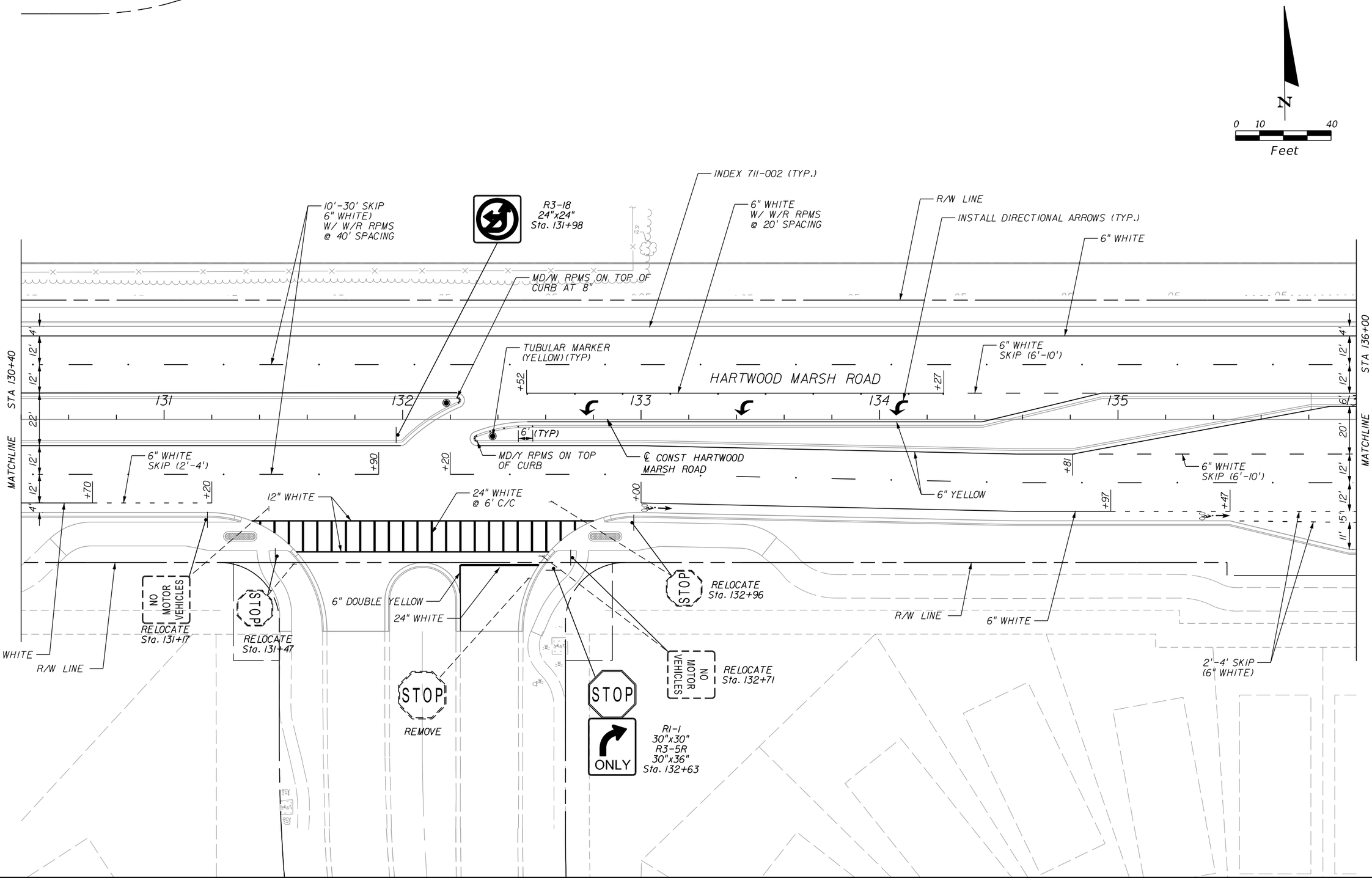
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

SIGNING & PAVEMENT MARKING PLAN SHEET (5)
HARTWOOD MARSH ROAD

SHEET NO. 223

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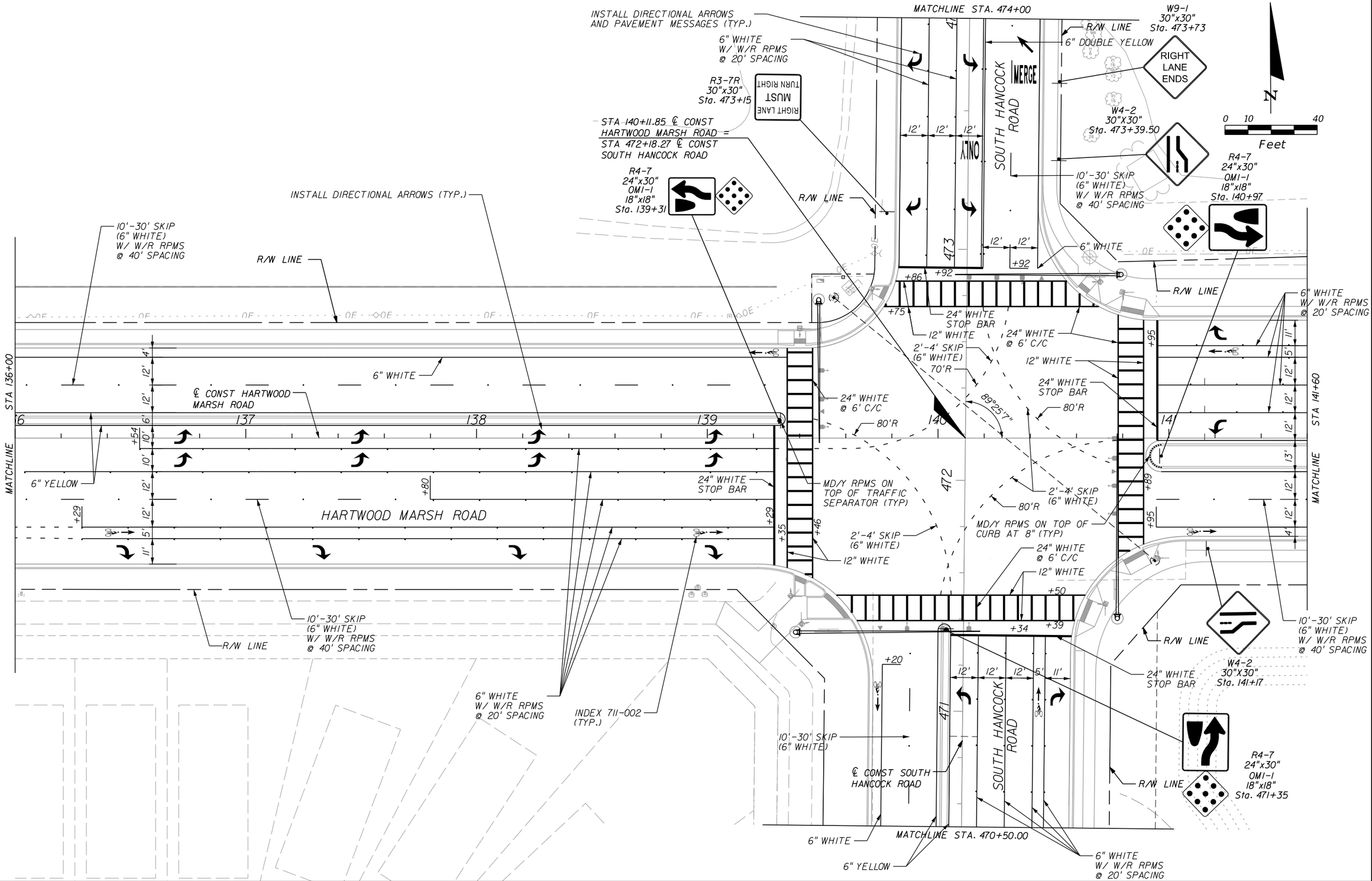
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REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

SIGNING & PAVEMENT MARKING PLAN SHEET (6) HARTWOOD MARSH ROAD

SHEET NO. 224

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P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

SIGNING & PAVEMENT MARKING PLAN SHEET (7) HARTWOOD MARSH ROAD

SHEET NO. 225

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

R/W LINE
R/W LINE
HARTWOOD PINES WAY
R/W LINE
R/W LINE
STA 141+60
STA 147+20
MATCHLINE
MATCHLINE
HARTWOOD MARSH ROAD
℄ CONST HARTWOOD MARSH ROAD
Hartwood Pines Wy
Hartwood Pines Wy
Hartwood Marsh Rd
Hartwood Marsh Rd
N 89° 48' 48" E
142
143
144
145
146
147
REMOVE
SPEED LIMIT 40
R4-4 36"X30" Sta. 144+48
BEGIN RIGHT TURN LANE YIELD TO BIKES
R1-1 30"X30" R3-5R 30"X36" Sta. 145+38
ONLY
STOP
STOP
REMOVE
RELOCATE
EXISTING SIGN ASSEMBLY TO REMAIN
SLOW
CHILDREN AT PLAY
EXISTING SIGN TO REMAIN
REMOVE
R3-2 24"x24" Sta. 146+88
INSTALL DIRECTIONAL ARROWS (TYP.)
INDEX 711-002 (TYP.)
10'-30' SKIP (6" WHITE) W/ W/R RPMS @ 40' SPACING
6" WHITE W/ W/R RPMS @ 20' SPACING
6" DOUBLE YELLOW
6" WHITE
24" WHITE @ 6' C/C
24" WHITE
12" WHITE
6" WHITE SKIP (2'-4')
6" WHITE SKIP (2'-4')
6" YELLOW
12" WHITE
6" WHITE SKIP (6'-10')
18" WHITE @ 20' C/C
24" WHITE @ 6' C/C
8" WHITE W/ W/R RPMS @ 20' SPACING
6" WHITE
6" WHITE
6" WHITE SKIP (2'-4')
10'-30' SKIP (6" WHITE) W/ W/R RPMS @ 40' SPACING
INSTALL DIRECTIONAL ARROWS AND PAVEMENT MESSAGES (TYP.)
W9-1 30"x30" Sta. 143+75
RIGHT LANE ENDS
2 X R6-1R 36"x12" Sta. 145+59
ONE WAY
ONE WAY
6" DOUBLE YELLOW
24" WHITE
STOP
ONLY
R1-1 30"X30" R3-5R 30"X36" Sta. 145+85
STOP
ONLY
REMOVE
+69
+31
+42
+07
+90
+16
+64
+43
+35
+08
+64
+14
+00
11'
5'
12'
12'
12'
14'
12'
4'
12'
12'
12'
5'
12'
12'
12'
4'
0 10 40
Feet
N

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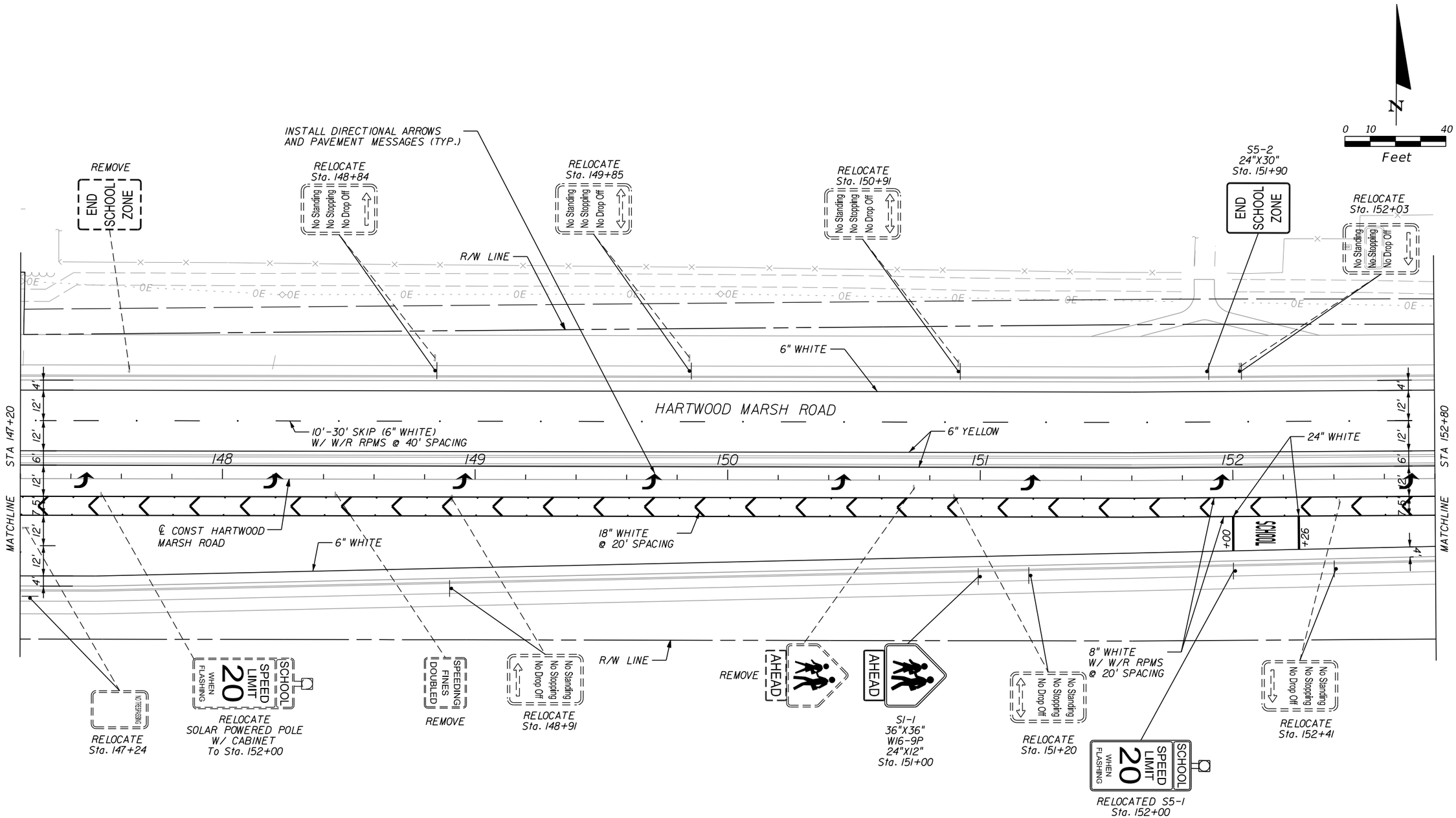
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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

SIGNING & PAVEMENT MARKING PLAN SHEET (8) HARTWOOD MARSH ROAD

SHEET NO. 226



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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

SIGNING & PAVEMENT MARKING PLAN SHEET (9) HARTWOOD MARSH ROAD

SHEET NO. 227

SOUTH LAKE CHARTER ELEMENTARY

R1-1
30"x30"
R6-3A
30"x24"
Sta. 153+40

R4-7
24"X30"
OM1-1
18"X18"
Sta. 152+93

REMOVE

S1-1
36"X36"
W16-7P
24"X12"
Sta. 154+00

REMOVE

S1-1
36"X36"
W16-7P
24"X12"
Sta. 154+27

EXISTING SIGN ASSEMBLY
& SOLAR POWERED POLE
W/ CABINET TO REMAIN

SCHOOL SPEED LIMIT 20 WHEN FLASHING

INDEX 711-002
(TYP.)

REMOVE

FTP-38-6
Sta. 155+11

SPEEDING FINES DOUBLED

SPEEDING FINES DOUBLED

R3-17
30"X24"
R3-17A
30"X12"
Sta. 156+22

BIKE LANE
AHEAD

REMOVE

AHEAD

S1-1
36"X36"
W16-9P
24"X12"
Sta. 157+29

AHEAD

N

0 10 40
Feet

R/W LINE

6" WHITE

10'-30' SKIP (6" WHITE)
W/ W/R RPMS @ 40' SPACING

24" WHITE
@ 6' C/C

12" WHITE

6" WHITE
W/ W/R RPMS
@ 20' SPACING

2'-4' SKIP
(6" WHITE)

6" WHITE
W/ W/R RPMS
@ 20' SPACING

SCHOOL SCHOOL

6" DOUBLE YELLOW
W/ Y/Y RPMS
@ 30' SPACING

18" YELLOW
@ 30' SPACING

STA 152+80

STA 158+40

153 154 155 156 157 158

MD/Y RPMS ON
TOP OF TRAFFIC
SEPARATOR (TYP)

℄ CONST HARTWOOD
MARSH ROAD

24" WHITE

HARTWOOD MARSH ROAD

MATCHLINE

MATCHLINE

24" WHITE
@ 6' C/C

6" WHITE

6" WHITE

6" WHITE

R/W LINE

SPEEDING FINES DOUBLED

FTP-38-6
36"X30"
Sta. 148+45

REMOVE

BIKE LANE ENDS

R3-17
30"X24"
R3-17B
30"X12"
Sta. 155+50

END SCHOOL ZONE

REMOVE

END SCHOOL ZONE

S5-2
24"x30"
Sta. 156+30

S1-1
36"X36"
W16-7P
24"X12"
Sta. 153+90

END RECONSTRUCTION
END PROJECT
BEGIN WIDENING
BEGIN MILLING & RESURFACING
STA 155+50.00

*LOWER HEIGHT AS REQUIRED TO
AVOID BLOCKING S1-1/W16-7P SIGN ASSEMBLY.

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

SIGNING & PAVEMENT MARKING
PLAN SHEET (10)
HARTWOOD MARSH ROAD

SHEET NO. 228

EXISTING SIGN ASSEMBLY TO REMAIN

ADOPT-A-ROADWAY LAKE COUNTY FLORIDA — South Lake County Rotary Club

Caplock St

Hartwood Marsh Rd

STOP

EXISTING SIGN ASSEMBLY TO REMAIN

CAPLOCK STREET

N

0 10 40

Feet

END WIDENING
END MILLING & RESURFACING
END CONSTRUCTION
STA 162+10.00

6" DOUBLE YELLOW W/ Y/Y RPMS @ 30' SPACING

R/W LINE

6" WHITE

STA 158+40

19'

6" DOUBLE YELLOW W/ Y/Y RPMS @ 30' SPACING

18" YELLOW @ 30' SPACING

8'

12'

159 160 161 162 163

HARTWOOD MARSH ROAD

+10

MATCHLINE

12'

6" WHITE SKIP (6'-10')

+18

12'

6" WHITE W/ W/R RPMS @ 20' SPACING

℄ CONST HARTWOOD MARSH ROAD

6" WHITE

INSTALL DIRECTIONAL ARROWS (TYP.)

R/W LINE

W6-2
30" X 30"
Sta. 158+50

W6-3
30" X 30"
Sta. 161+01

SPEED LIMIT 40

EXISTING SIGN ASSEMBLY TO REMAIN

R/W LINE

REGENCY HILLS DR

STOP

Hartwood Marsh Rd

Regency Hills Dr

EXISTING SIGN ASSEMBLY TO REMAIN

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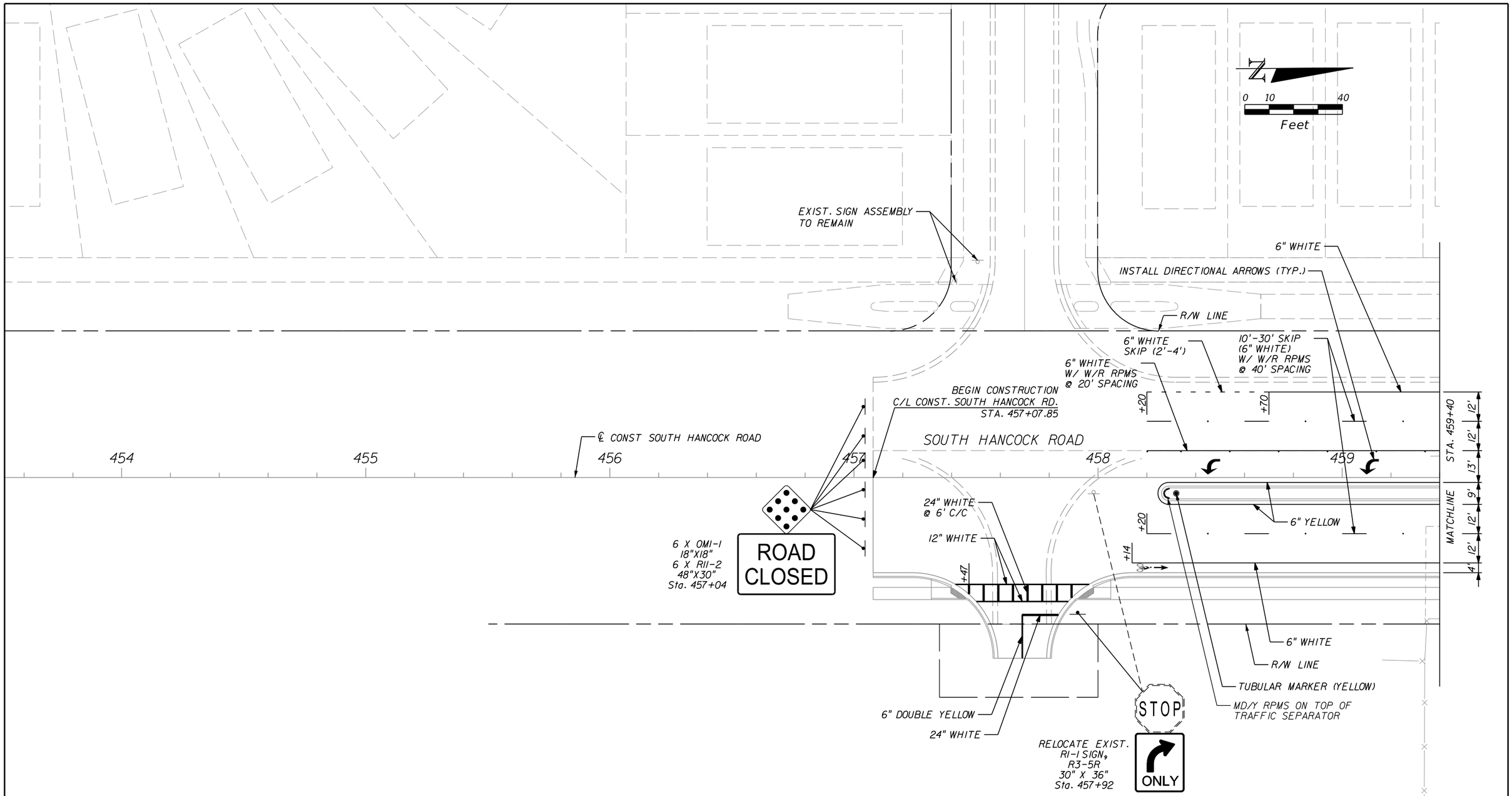
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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

SIGNING & PAVEMENT MARKING PLAN SHEET (11) HARTWOOD MARSH ROAD

SHEET NO. 229



REVISIONS		
DATE	BY	DESCRIPTION

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

SIGNING & PAVEMENT MARKING
PLAN SHEET (12)
SOUTH HANCOCK ROAD

SHEET NO.
230

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

0 10 40
Feet

EXISTING SIGN ASSEMBLY TO REMAIN

PAVEMENT ENDS 150 FT

R/W LINE

℄ CONST SOUTH HANCOCK ROAD
STA 460+00.00 =
℄ CONST POND 3 STA. 20+00.00

6" WHITE

10'-30' SKIP (6" WHITE)
W/ W/R RPMS @ 40' SPACING

6" YELLOW

6" WHITE SKIP (6'-10')

+96

460 461 462 463 464

PC STA. 463+75.42

MATCHLINE STA. 459+40

MATCHLINE STA. 465+00

12' 12' 13' 9' 12' 12' 4'

12' 12' 22' 12' 12' 4'

20

℄ CONST SOUTH HANCOCK ROAD

6" WHITE

SOUTH HANCOCK ROAD

PI STA. 464+83.26

SPEED LIMIT 40

RELOCATE
Sta. 460+40

21

℄ CONST POND 3

10'-30' SKIP
(6" WHITE)
W/ W/R RPMS
@ 40' SPACING

R/W LINE

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

SIGNING & PAVEMENT MARKING PLAN SHEET (13) SOUTH HANCOCK ROAD

SHEET NO. 231

N

0 10 40
Feet

EXISTING SIGN ASSEMBLY TO REMAIN

SPEED LIMIT 40

R/W LINE

10'-30' SKIP (6" WHITE) W/ W/R RPMS @ 40' SPACING

6" WHITE

6" YELLOW

SOUTH HANCOCK ROAD

PRC STA. 465+95.20

PI STA. 467+13.67

466 467 468 469 470

+33

PT STA. 469+87.88

℄ CONST SOUTH HANCOCK ROAD

+80

+27

6'-10' SKIP (6" WHITE)

6" YELLOW

2'-4' SKIP (6" WHITE)

24" WHITE @ 6' C/C

2'-4' SKIP (6" WHITE)

+44

+28

12" WHITE

+53

MATCHLINE STA. 465+00

12' 12' 22' 12' 12' 14'

MATCHLINE STA. 470+50

12' 12' 5' 12' 12' 12' 12' 5' 11'

R4-4 36"X30" Sta. 466+60

BICYCLES MAY USE FULL LANE

BEGIN RIGHT TURN LANE YIELD TO BIKES

STOP

ONLY

6" DOUBLE YELLOW

24" WHITE

RELOCATE EXIST. RI-1 SIGN, R3-5R 30" X 36" Sta. 466+26

10'-30' SKIP (6" WHITE) W/ W/R RPMS @ 40' SPACING

R/W LINE

INSTALL DIRECTIONAL ARROWS (TYP.)

6" WHITE W/ W/R RPMS @ 20' SPACING

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

SIGNING & PAVEMENT MARKING PLAN SHEET (14) SOUTH HANCOCK ROAD

SHEET NO. 232

N

0 10 40
Feet

INSTALL DIRECTIONAL ARROWS AND PAVEMENT MESSAGES (TYP.)

RIGHT LANE MUST TURN RIGHT

R3-7R
30" X 30"
Sta. 474+64

6" WHITE
W/ W/R RPMS
@ 20' SPACING

6" WHITE
SKIP (6'-10')

R/W LINE

12" WHITE
SKIP (3'-9')

10'-30' SKIP
(6" WHITE)
W/ W/R RPMS
@ 40' SPACING

W3-3
36"X36"
Sta. 478+30

REMOVE

6" DOUBLE YELLOW
W/ Y/Y RPMS
@ 40' SPACING

6" WHITE

STA 474+00

STA 479+80

474 475 476 477 478 479

SOUTH HANCOCK ROAD

12' 12' +62 12' ONLY 12' ONLY 12' +06 +42 +44 12'

℄ CONST SOUTH HANCOCK ROAD

MATCHLINE

MATCHLINE

6" WHITE

10'-30' SKIP
(6" WHITE)
W/ W/R RPMS
@ 40' SPACING

R/W LINE

R/W LINE

CLERMONT CITY LIMIT

RELOCATE EXISTING SIGN
Sta. 474+05

DO NOT PASS

REMOVE

RELOCATE EXISTING SIGN ASSEMBLY
Sta. 475+67

SPEED LIMIT 45

REMOVE

SPEED LIMIT 45

R2-1
24"X30"
Sta. 478+10

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LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

SIGNING & PAVEMENT MARKING PLAN SHEET (15) SOUTH HANCOCK ROAD

SHEET NO. 233

N

0 10 40
Feet

10'-30' SKIP (6" WHITE)
W/ W/R RPMS @ 40' SPACING

R/W LINE

MATCHLINE STA 479+80

480 481 482 483 484 485

12' +54

12' +54

℄ CONST SOUTH
HANCOCK ROAD

+00

6" WHITE

6" WHITE

SOUTH HANCOCK ROAD

+54

+00

POT STA. 485+42.97

R/W LINE

6" DOUBLE YELLOW
W/ Y/Y RPMS
@ 40' SPACING

W6-3
30" X 30"
Sta. 481+61

END MILLING, RESURFACING & WIDENING
END CONSTRUCTION
MATCH EXISTING END SIGNING & PAVEMENT MARKINGS
STA 482+57.78

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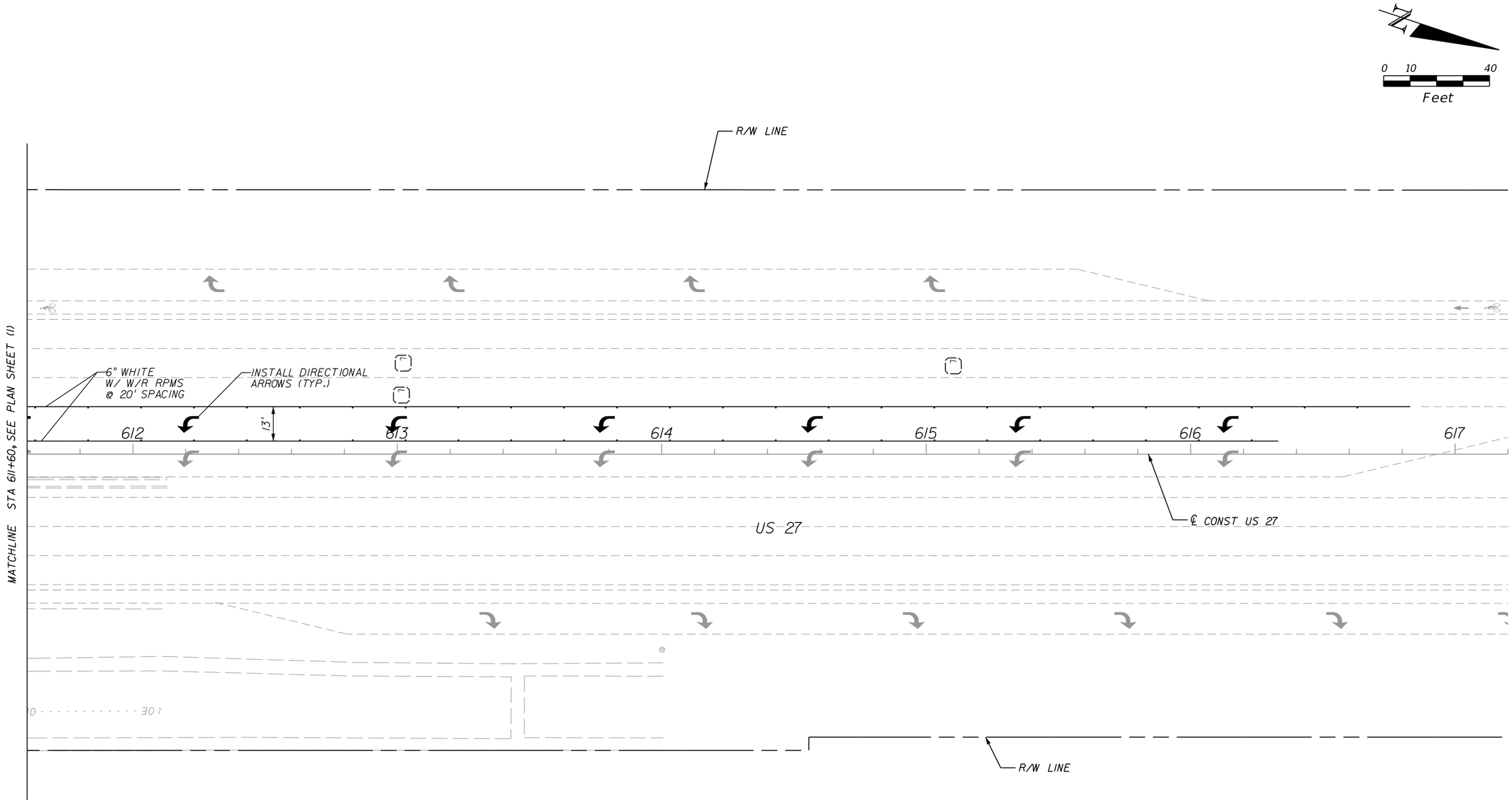
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HARTWOOD MARSH
ROAD - PHASE I

SIGNING & PAVEMENT MARKING
PLAN SHEET (16)
SOUTH HANCOCK ROAD

SHEET NO.
234



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DATE	BY	DESCRIPTION

OM ENGINEERING SERVICES, INC.
Civil • Structural • Inspections

OM ENGINEERING SERVICES, INC.
621 E. WASHINGTON ST., STE 8
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ENGINEER OF RECORD: RICHARD DEAN BOBLETZ, P.E.
P.E. LICENSE NUMBER 40049

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

SIGNING & PAVEMENT MARKING PLAN SHEET (17) HARTWOOD MARSH ROAD

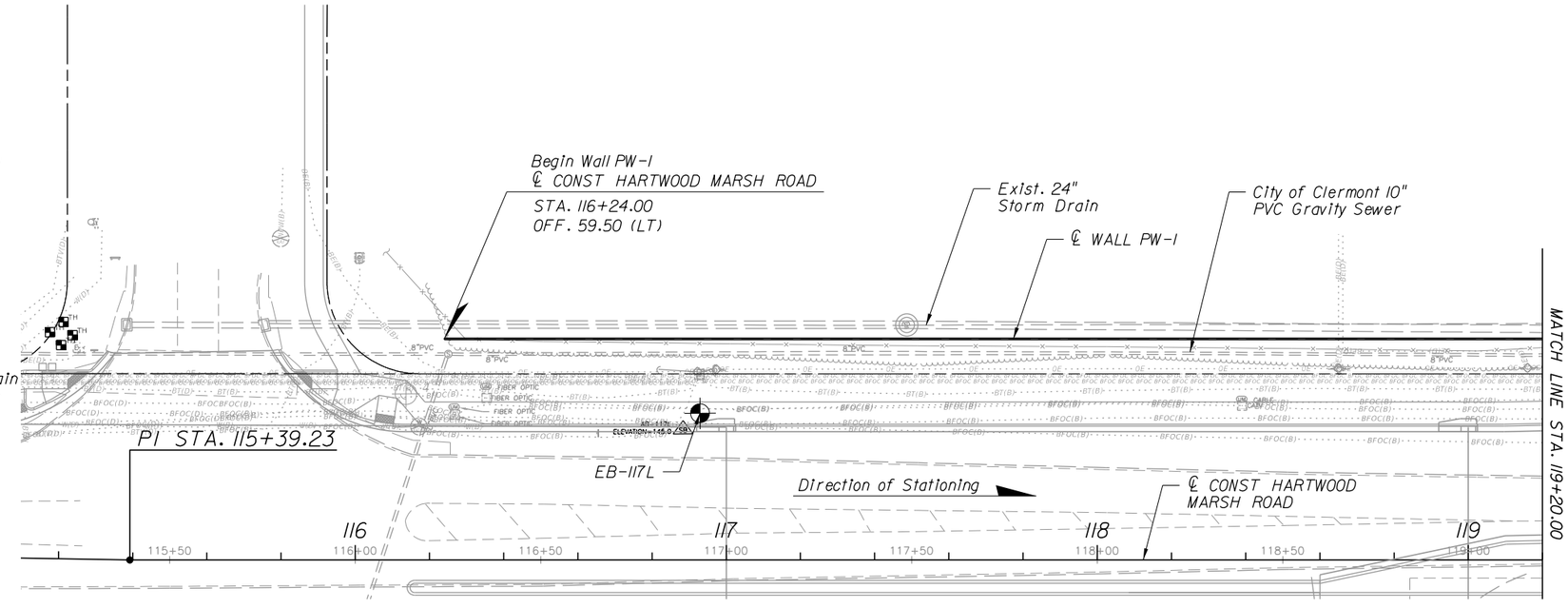
SHEET NO. 235

LEGEND

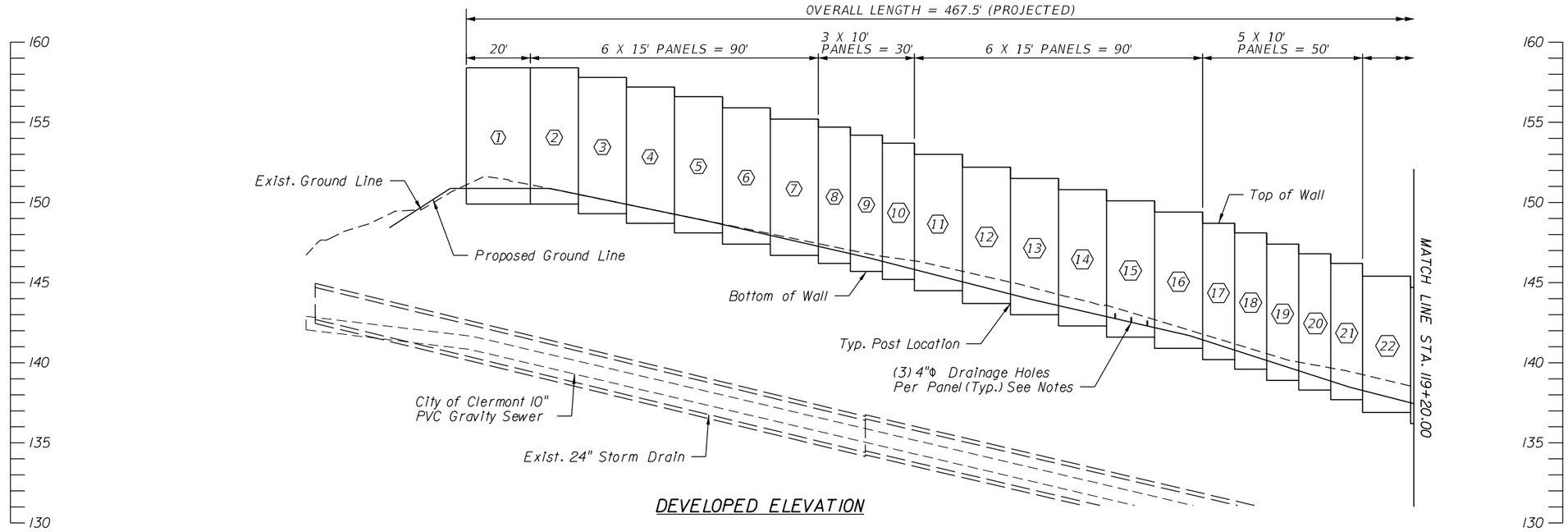
- Approximate Boring Location
- (#) Wall Panel Number

NOTES:

1. STA. & OFF. shown correspond to ℄ wall and posts.
2. Work these sheets with FDOT Standard Plans Index 534-250.
3. Drainage holes shown in one panel only. Provide (3) 4"Φ holes per panel for drainage based on Index 534-250. Where (3) are not possible due to the constraints as shown in the standard plans, provide a minimum of (2) 4"Φ holes per panel.
4. Contractor to submit shop drawings, prior to construction.
5. Elevation of the existing 24" storm drain is based on the Lake County Department of Public Works Benchmarks.



PLAN



DEVELOPED ELEVATION

0 10 40
Feet

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P.E. LICENSE NUMBER 92007

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

WALL CONTROL DRAWING (1)
PERIMETER WALL

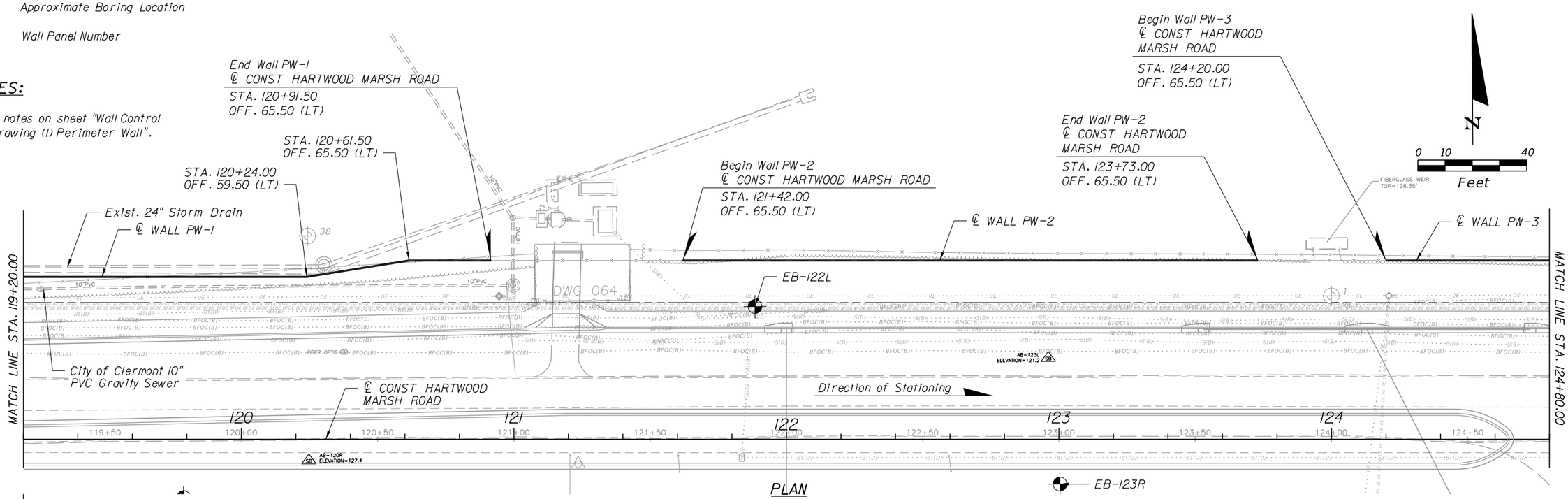
SHEET NO. 236

LEGEND

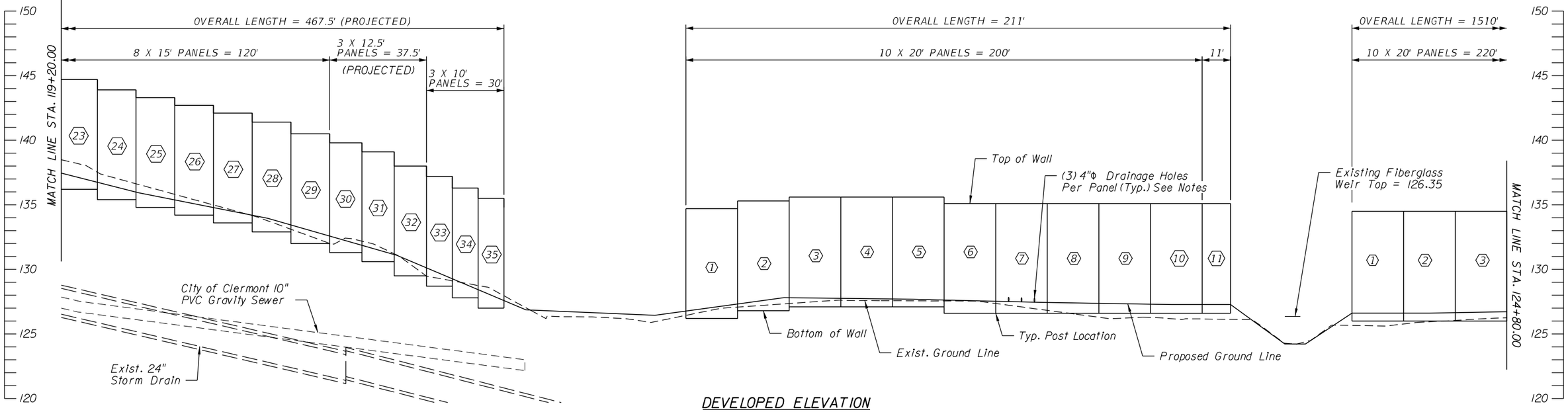
- Approximate Boring Location
- (#) Wall Panel Number

NOTES:

1. See notes on sheet "Wall Control Drawing (1) Perimeter Wall".



PLAN



DEVELOPED ELEVATION

REVISIONS		
DATE	BY	DESCRIPTION

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P.E. LICENSE NUMBER 92007

LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

WALL CONTROL DRAWING (2) PERIMETER WALL

SHEET NO. 237

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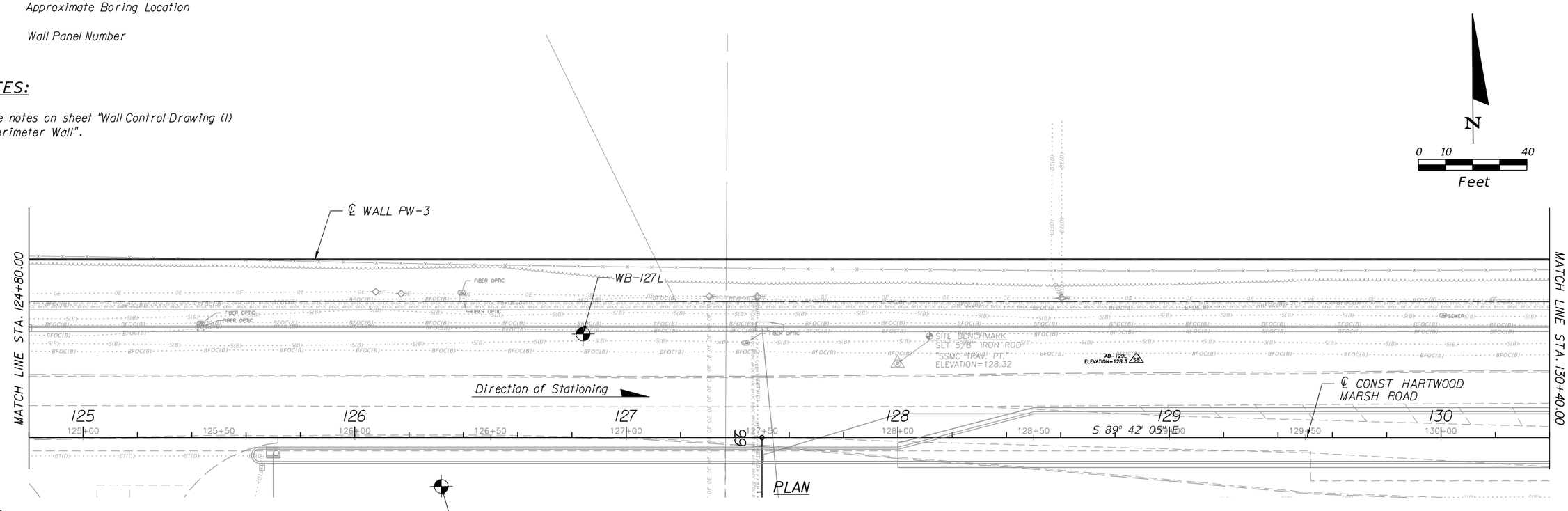
LEGEND

Approximate Boring Location

Wall Panel Number

NOTES:

1. See notes on sheet "Wall Control Drawing (1) Perimeter Wall".



DEVELOPED ELEVATION

REVISIONS		
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P.E. LICENSE NUMBER 92007

LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

WALL CONTROL DRAWING (3) PERIMETER WALL

SHEET NO. 238

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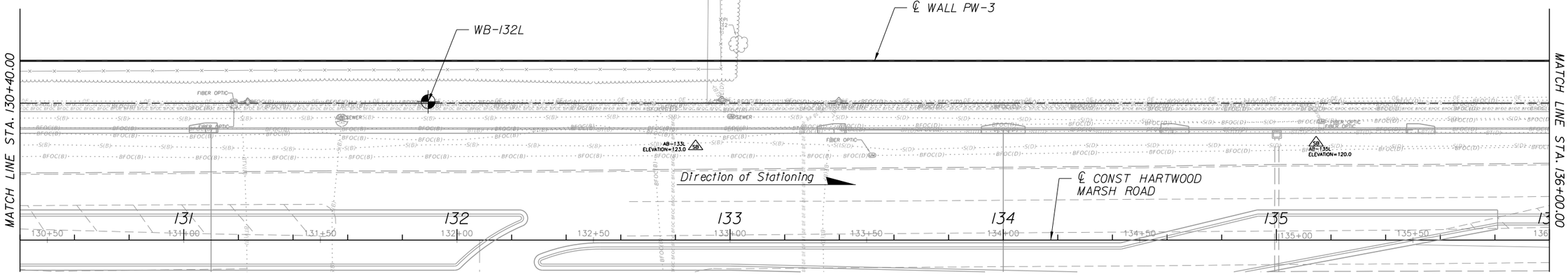
LEGEND

Approximate Boring Location

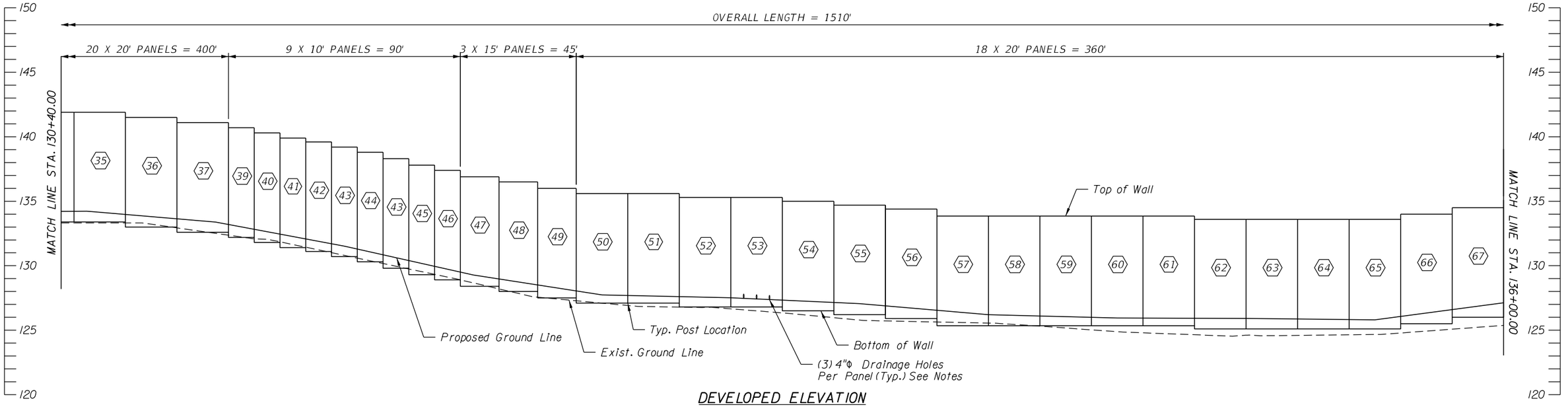
Wall Panel Number

NOTES:

1. See notes on sheet "Wall Control Drawing (1) Perimeter Wall".



PLAN



DEVELOPED ELEVATION

REVISIONS		
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P.E. LICENSE NUMBER 92007

LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

WALL CONTROL DRAWING (4) PERIMETER WALL

SHEET NO. 239

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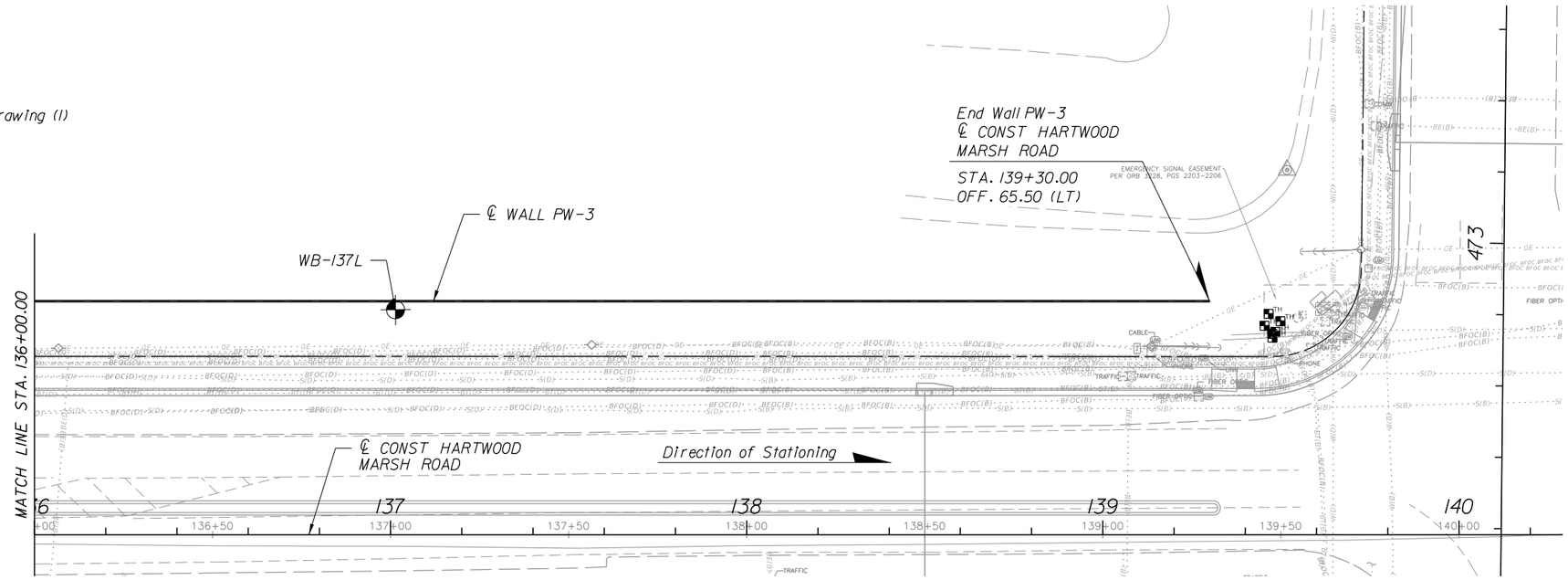
LEGEND

Approximate Boring Location

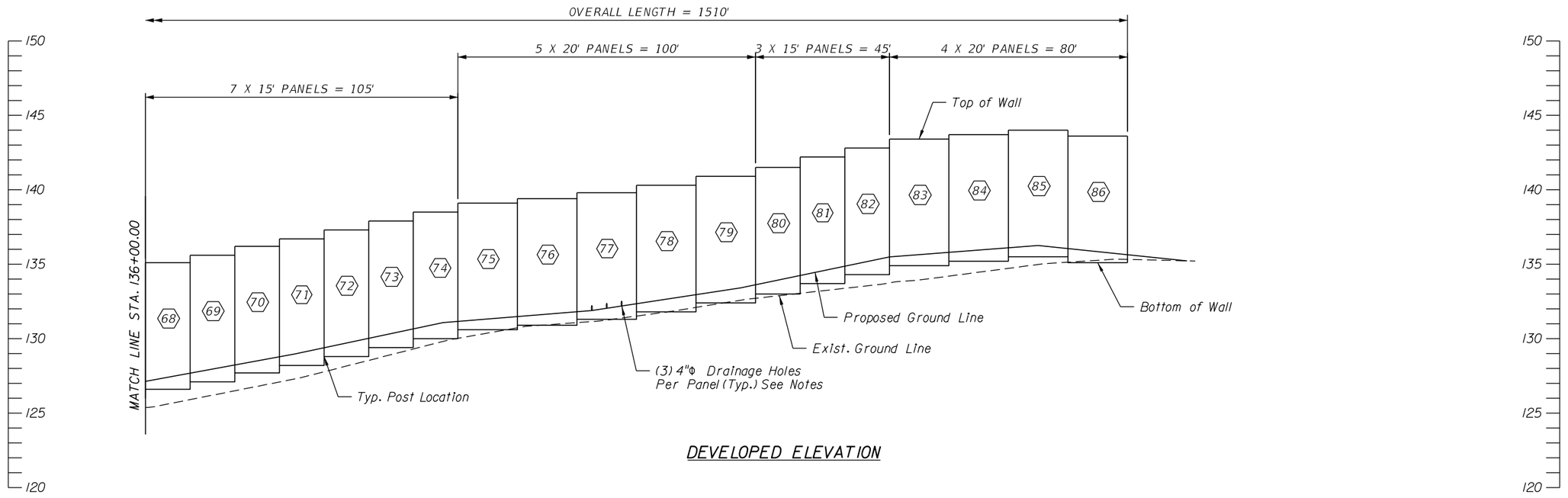
Wall Panel Number

NOTES:

1. See notes on sheet "Wall Control Drawing (1) Perimeter Wall".



PLAN



DEVELOPED ELEVATION

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LAKE COUNTY, FL
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HARTWOOD MARSH ROAD - PHASE I

WALL CONTROL DRAWING (5) PERIMETER WALL

SHEET NO. 240

PERIMETER WALL PW-1 POSTS

POST NO.	STATION	OFFSET	TOP OF COLLAR ELEVATION (FT)	PROPOSED GROUND ELEVATION (FT)
1	116+24.00	59.50 (LT)	149.858	150.880
2	116+44.00	59.50 (LT)	149.858	150.880
3	116+59.00	59.50 (LT)	149.858	150.510
4	116+74.00	59.50 (LT)	149.258	149.890
5	116+89.00	59.50 (LT)	148.658	149.270
6	117+04.00	59.50 (LT)	148.058	148.630
7	117+19.00	59.50 (LT)	147.358	147.940
8	117+34.00	59.50 (LT)	146.658	147.260
9	117+44.00	59.50 (LT)	146.158	146.800
10	117+54.00	59.50 (LT)	145.658	146.330
11	117+64.00	59.50 (LT)	145.158	145.810
12	117+79.00	59.50 (LT)	144.458	145.050
13	117+94.00	59.50 (LT)	143.658	144.280
14	118+09.00	59.50 (LT)	142.958	143.560
15	118+24.00	59.50 (LT)	142.258	142.880
16	118+39.00	59.50 (LT)	141.558	142.190
17	118+54.00	59.50 (LT)	140.858	141.430
18	118+64.00	59.50 (LT)	140.158	140.790
19	118+74.00	59.50 (LT)	139.558	140.140
20	118+84.00	59.50 (LT)	138.858	139.500
21	118+94.00	59.50 (LT)	138.258	138.860
22	119+04.00	59.50 (LT)	137.658	138.270
23	119+19.00	59.50 (LT)	136.858	137.500
24	119+34.00	59.50 (LT)	136.158	136.740
25	119+49.00	59.50 (LT)	135.358	135.980
26	119+64.00	59.50 (LT)	134.758	135.380
27	119+79.00	59.50 (LT)	134.158	134.790
28	119+94.00	59.50 (LT)	133.558	134.200
29	120+09.00	59.50 (LT)	132.858	133.440
30	120+24.00	59.50 (LT)	131.958	132.580
31	120+36.50	61.50 (LT)	131.258	131.860
32	120+49.00	63.50 (LT)	130.558	131.150
33	120+61.50	65.50 (LT)	129.458	130.120
34	120+71.50	65.50 (LT)	128.658	129.280
35	120+81.50	65.50 (LT)	127.758	128.430
36	120+91.50	65.50 (LT)	126.958	127.590

PERIMETER WALL PW-1 PANELS

PANEL NO.	TOP OF WALL PANEL ELEVATION (FT)	BOTTOM OF WALL PANEL ELEVATION (FT)
1	158.400	149.900
2	158.400	149.900
3	157.800	149.300
4	157.200	148.700
5	156.600	148.100
6	155.900	147.400
7	155.200	146.700
8	154.700	146.200
9	154.200	145.700
10	153.700	145.200
11	153.000	144.500
12	152.200	143.700
13	151.500	143.000
14	150.800	142.300
15	150.100	141.600
16	149.400	140.900
17	148.700	140.200
18	148.100	139.600
19	147.400	138.900
20	146.800	138.300
21	146.200	137.700
22	145.400	136.900
23	144.700	136.200
24	143.900	135.400
25	143.300	134.800
26	142.700	134.200
27	142.100	133.600
28	141.400	132.900
29	140.500	132.000
30	139.800	131.300
31	139.100	130.600
32	138.000	129.500
33	137.200	128.700
34	136.300	127.800
35	135.500	127.000

PERIMETER WALL PW-2 POSTS

POST NO.	STATION	OFFSET	TOP OF COLLAR ELEVATION (FT)	PROPOSED GROUND ELEVATION (FT)
1	121+62.00	65.50 (LT)	126.158	126.770
2	121+82.00	65.50 (LT)	126.758	127.320
3	122+02.00	65.50 (LT)	127.058	127.810
4	122+22.00	65.50 (LT)	127.058	127.760
5	122+42.00	65.50 (LT)	127.058	127.710
6	122+62.00	65.50 (LT)	127.058	127.630
7	122+82.00	65.50 (LT)	126.558	127.530
8	123+02.00	65.50 (LT)	126.558	127.430
9	123+22.00	65.50 (LT)	126.558	127.370
10	123+42.00	65.50 (LT)	126.558	127.310
11	123+62.00	65.50 (LT)	126.558	127.280
12	123+73.00	65.50 (LT)	126.558	127.280

PERIMETER WALL PW-2 PANELS

PANEL NO.	TOP OF WALL PANEL ELEVATION (FT)	BOTTOM OF WALL PANEL ELEVATION (FT)
1	134.700	126.200
2	135.300	126.800
3	135.600	127.100
4	135.600	127.100
5	135.600	127.100
6	135.100	126.600
7	135.100	126.600
8	135.100	126.600
9	135.100	126.600
10	135.100	126.600
11	135.100	126.600

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REVISIONS

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OM ENGINEERING SERVICES, INC.
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ENGINEER OF RECORD: DHRUV BANSAL, P.E.
P.E. LICENSE NUMBER 92007

LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

WALL CONTROL DRAWING (6)
PERIMETER WALL

SHEET NO.
241

PERIMTER WALL PW-3 POSTS

POST NO.	STATION	OFFSET	TOP OF COLLAR ELEVATION (FT)	PROPOSED GROUND ELEVATION (FT)	POST NO.	STATION	OFFSET	TOP OF COLLAR ELEVATION (FT)	PROPOSED GROUND ELEVATION (FT)
1	124+20.00	65.50 (LT)	125.958	126.610	46	131+85.00	65.50 (LT)	129.258	129.950
2	124+40.00	65.50 (LT)	125.958	126.610	47	131+95.00	65.50 (LT)	128.858	129.500
3	124+60.00	65.50 (LT)	125.958	126.650	48	132+10.00	65.50 (LT)	128.358	128.970
4	124+80.00	65.50 (LT)	125.958	126.720	49	132+25.00	65.50 (LT)	127.958	128.510
5	125+00.00	65.50 (LT)	125.958	126.790	50	132+40.00	65.50 (LT)	127.458	128.050
6	125+20.00	65.50 (LT)	125.958	126.890	51	132+60.00	65.50 (LT)	127.058	127.690
7	125+40.00	65.50 (LT)	126.358	127.000	52	132+80.00	65.50 (LT)	127.058	127.600
8	125+60.00	65.50 (LT)	126.358	127.120	53	133+00.00	65.50 (LT)	126.758	127.510
9	125+80.00	65.50 (LT)	126.658	127.250	54	133+20.00	65.50 (LT)	126.758	127.330
10	126+00.00	65.50 (LT)	126.658	127.380	55	133+40.00	65.50 (LT)	126.458	127.150
11	126+20.00	65.50 (LT)	127.158	127.700	56	133+60.00	65.50 (LT)	126.158	126.890
12	126+40.00	65.50 (LT)	127.458	128.030	57	133+80.00	65.50 (LT)	125.858	126.540
13	126+55.00	65.50 (LT)	127.858	128.440	58	134+00.00	65.50 (LT)	125.308	126.200
14	126+65.00	65.50 (LT)	128.358	128.950	59	134+20.00	65.50 (LT)	125.308	126.100
15	126+75.00	65.50 (LT)	128.858	129.460	60	134+40.00	65.50 (LT)	125.308	126.000
16	126+85.00	65.50 (LT)	129.358	129.960	61	134+60.00	65.50 (LT)	125.308	125.940
17	126+95.00	65.50 (LT)	129.858	130.470	62	134+80.00	65.50 (LT)	125.308	125.930
18	127+05.00	65.50 (LT)	130.258	130.820	63	135+00.00	65.50 (LT)	125.058	125.910
19	127+25.00	65.50 (LT)	130.658	131.230	64	135+20.00	65.50 (LT)	125.058	125.870
20	127+45.00	65.50 (LT)	131.058	131.640	65	135+40.00	65.50 (LT)	125.058	125.820
21	127+65.00	65.50 (LT)	131.358	131.970	66	135+60.00	65.50 (LT)	125.458	126.070
22	127+85.00	65.50 (LT)	131.658	132.270	67	135+80.00	65.50 (LT)	125.958	126.600
23	128+05.00	65.50 (LT)	131.958	132.590	68	136+00.00	65.50 (LT)	126.558	127.130
24	128+25.00	65.50 (LT)	132.358	132.930	69	136+15.00	65.50 (LT)	127.058	127.680
25	128+45.00	65.50 (LT)	132.658	133.270	70	136+30.00	65.50 (LT)	127.658	128.230
26	128+65.00	65.50 (LT)	132.658	133.490	71	136+45.00	65.50 (LT)	128.158	128.790
27	128+85.00	65.50 (LT)	133.058	133.670	72	136+60.00	65.50 (LT)	128.758	129.390
28	129+05.00	65.50 (LT)	133.058	133.810	73	136+75.00	65.50 (LT)	129.358	130.020
29	129+25.00	65.50 (LT)	133.058	133.850	74	136+90.00	65.50 (LT)	129.958	130.660
30	129+45.00	65.50 (LT)	133.058	133.890	75	137+05.00	65.50 (LT)	130.558	131.160
31	129+65.00	65.50 (LT)	133.358	133.970	76	137+25.00	65.50 (LT)	130.858	131.480
32	129+85.00	65.50 (LT)	133.358	134.080	77	137+45.00	65.50 (LT)	131.258	131.810
33	130+05.00	65.50 (LT)	133.358	134.160	78	137+65.00	65.50 (LT)	131.758	132.350
34	130+25.00	65.50 (LT)	133.358	134.190	79	137+85.00	65.50 (LT)	132.358	132.950
35	130+45.00	65.50 (LT)	133.358	134.220	80	138+05.00	65.50 (LT)	132.958	133.620
36	130+65.00	65.50 (LT)	133.358	133.970	81	138+20.00	65.50 (LT)	133.658	134.240
37	130+85.00	65.50 (LT)	132.958	133.630	82	138+35.00	65.50 (LT)	134.258	134.870
38	131+05.00	65.50 (LT)	132.558	133.190	83	138+50.00	65.50 (LT)	134.858	135.490
39	131+15.00	65.50 (LT)	132.158	132.820	84	138+70.00	65.50 (LT)	135.158	135.800
40	131+25.00	65.50 (LT)	131.758	132.450	85	138+90.00	65.50 (LT)	135.458	136.110
41	131+35.00	65.50 (LT)	131.358	132.080	86	139+10.00	65.50 (LT)	135.458	136.050
42	131+45.00	65.50 (LT)	131.058	131.710	87	139+30.00	65.50 (LT)	135.058	135.640
43	131+55.00	65.50 (LT)	130.658	131.300					
44	131+65.00	65.50 (LT)	130.258	130.850					
45	131+75.00	65.50 (LT)	129.758	130.400					

PERIMETER WALL PW-3 PANELS

PANEL NO.	TOP OF WALL PANEL ELEVATION (FT)	BOTTOM OF WALL PANEL ELEVATION (FT)	PANEL NO.	TOP OF WALL PANEL ELEVATION (FT)	BOTTOM OF WALL PANEL ELEVATION (FT)
1	134.500	126.000	46	137.400	128.900
2	134.500	126.000	47	136.900	128.400
3	134.500	126.000	48	136.500	128.000
4	134.500	126.000	49	136.000	127.500
5	134.500	126.000	50	135.600	127.100
6	134.500	126.000	51	135.600	127.100
7	134.900	126.400	52	135.300	126.800
8	134.900	126.400	53	135.300	126.800
9	135.200	126.700	54	135.000	126.500
10	135.200	126.700	55	134.700	126.200
11	135.700	127.200	56	134.400	125.900
12	136.000	127.500	57	133.850	125.350
13	136.400	127.900	58	133.850	125.350
14	136.900	128.400	59	133.850	125.350
15	137.400	128.900	60	133.850	125.350
16	137.900	129.400	61	133.850	125.350
17	138.400	129.900	62	133.600	125.100
18	138.800	130.300	63	133.600	125.100
19	139.200	130.700	64	133.600	125.100
20	139.600	131.100	65	133.600	125.100
21	139.900	131.400	66	134.000	125.500
22	140.200	131.700	67	134.500	126.000
23	140.500	132.000	68	135.100	126.600
24	140.900	132.400	69	135.600	127.100
25	141.200	132.700	70	136.200	127.700
26	141.200	132.700	71	136.700	128.200
27	141.600	133.100	72	137.300	128.800
28	141.600	133.100	73	137.900	129.400
29	141.600	133.100	74	138.500	130.000
30	141.600	133.100	75	139.100	130.600
31	141.900	133.400	76	139.400	130.900
32	141.900	133.400	77	139.800	131.300
33	141.900	133.400	78	140.300	131.800
34	141.900	133.400	79	140.900	132.400
35	141.900	133.400	80	141.500	133.000
36	141.500	133.000	81	142.200	133.700
37	141.100	132.600	82	142.800	134.300
38	140.700	132.200	83	143.400	134.900
39	140.300	131.800	84	143.700	135.200
40	139.900	131.400	85	144.000	135.500
41	139.600	131.100	86	143.600	135.100
42	139.200	130.700			
43	138.800	130.300			
44	138.300	129.800			
45	137.800	129.300			

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REVISIONS		
DATE	BY	DESCRIPTION

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P.E. LICENSE NUMBER 92007

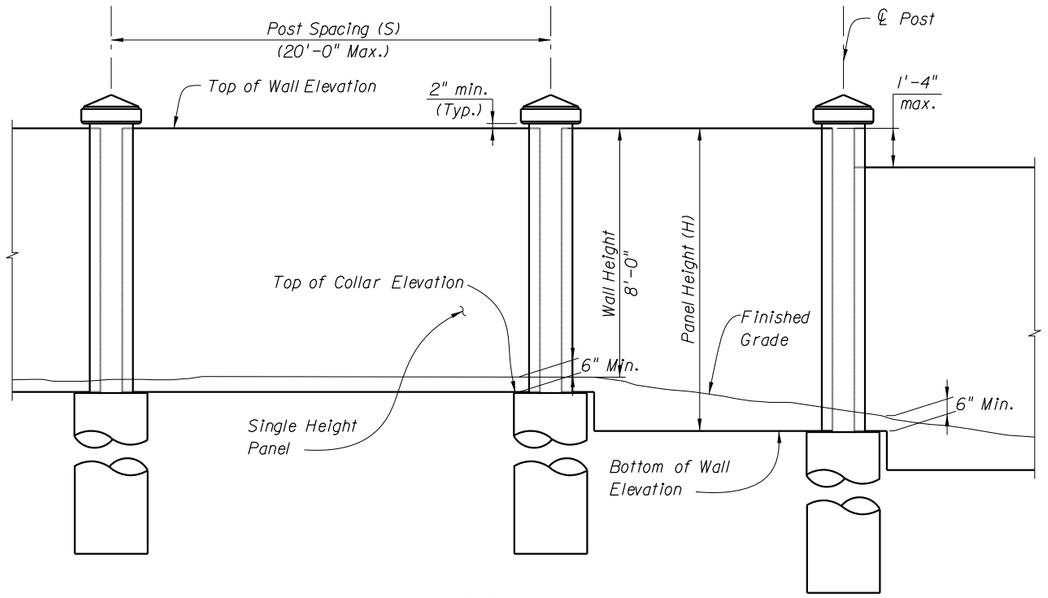
LAKE COUNTY, FL
REAL FLORIDA • REAL CLOSE

HARTWOOD MARSH ROAD - PHASE I

WALL CONTROL DRAWING (7)
PERIMETER WALL

SHEET NO.
242

PERIMETER WALLS DATA TABLE					Table Date 01-31-14
WALL NO.	STATION TO STATION	FRONT FACE TEXTURE	PRECAST POST CAP (TYPE)	LIMITS OF ANTI-GRAFFITI COATING	
				FRONT FACE/ BACK FACE/ BOTH	AREA (SQUARE FT) (SEE NOTE 4)
PW-1	STA. 116+24.00 TO STA. 121+06.50	SMOOTH	TYPE A	FRONT FACE	3740
PW-2	STA. 121+42.00 TO STA. 123+73.00	SMOOTH	TYPE A	FRONT FACE	1688
PW-3	STA. 124+20.00 TO STA. 139+30.00	SMOOTH	TYPE A	FRONT FACE	12080



GENERAL WALL ELEVATION
(Precast Option with Single Height Panel Shown, Others Similar)

GENERAL NOTES [Notes Date 01-31-14]:

1. Wind Speed is 150 MPH.

2. Colors shall be per Federal color Chart, Federal Standard No 595C.
   Wall Color #33690, Post/Pilaster Color #33446, Caps Color #33446.

3. Coat wall for stations shown in table with sacrificial anti-graffiti coating.

4. Height for Class 5 finish and/or anti-graffiti coating is from finished grade to top of wall (8 feet).

5. Work these Data Tables with FDOT Index 534-250.

6. Front Face indicates roadway side of wall. Back Face indicates non-roadway side of wall.

ADDITIONAL NOTES:

1. Contractor to verify front face textures, precast post cap type, limits of anti-graffiti coating & all colors with the County prior to procurement & construction/installation.

2. Since the perimeter wall structure foundations are to be installed within berms or embankments with side slopes steeper than 4H:1V, the foundation depths should be adjusted from what is shown in the Standard Plans. The foundation designer should include the portion of the pile with less than 2.5 D (D = pile diameter) horizontal soil cover (face-of-pile to face-of-slope) in the unsupported length, and design the portion of the pile with more than 2.5 D horizontal soil cover as though founded in level ground.

3. The proposed auger cast pile foundations should be installed (constructed) in accordance with FDOT Specifications and Standard Plans Index requirements. Loose sands were encountered at various depth intervals in a few of the borings performed along the perimeter wall limits. As such, the Contractor shall be prepared to adjust construction methods or provide a revised Auger Cast Pile Installation Plan (ACPIP), if necessary, to reduce potential caving or sloughing of near surface loose sands during the installation of the auger cast pile foundations. The Contractor shall also anticipate that grout overruns may occasionally occur during the auger cast pile installation process.

4. Groundwater is expected to be deep along the corridor and dewatering is not expected for the anticipated construction activities. However, the Contractor should confirm actual groundwater levels immediately prior to construction to determine potential impacts. If encountered, groundwater should be kept below the lowest working area to facilitate proper material placement and compaction in accordance with the FDOT Specifications.

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HARTWOOD MARSH ROAD - PHASE I

WALL CONTROL DRAWING (8)
PERIMETER WALL

SHEET NO.
243