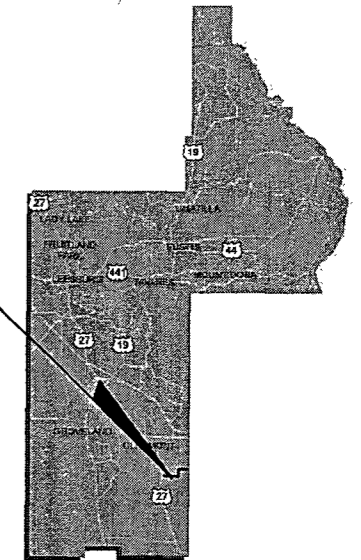


COMPONENTS OF CONTRACT PLANS SET



LAKE COUNTY  
FLORIDA  
**CONTRACT PLANS**

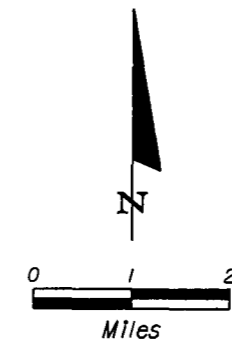
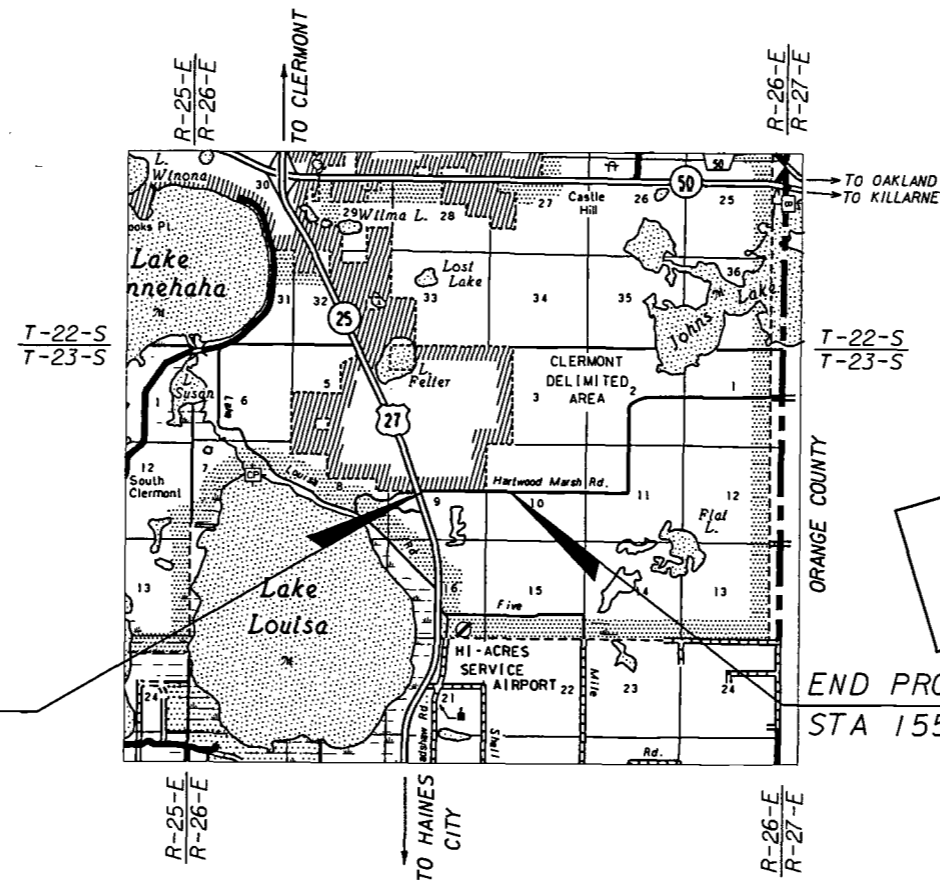
PROJECT LOCATION



INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
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5-9	TYPICAL SECTIONS
10	SUMMARY OF QUANTITIES
11-13	SUMMARY OF DRAINAGE STRUCTURES
14	PROJECT LAYOUT AND GENERAL NOTES
15-17	REFERENCE POINTS
18-28	PLAN SHEETS
29-39	PROFILE SHEETS
40-41	PLAN AND PROFILE SHEETS
42-45	INTERSECTION DETAILS
46-87A	DRAINAGE STRUCTURE SHEETS
88-90	POND OUTFALL SHEETS
91-92	POND DETAILS
93-99	POND CROSS SECTIONS
100	STORM WATER POLLUTION PREVENTION PLAN
101-155	CROSS SECTIONS
156-173	TRAFFIC CONTROL PLANS
174-179	UTILITY ADJUSTMENTS
S-1	SIGNING & PAVEMENT MARKING GENERAL NOTES
S-2 - S-3	SIGNING & PAVEMENT MARKING TABULATION OF QUANTITIES
S-4 - S-16	SIGNING & PAVEMENT MARKING PLAN SHEETS
T-1	SIGNALIZATION TABULATION OF QUANTITIES
T-2	SIGNALIZATION GENERAL NOTES
T-3 - T-5	SIGNALIZATION PLAN SHEETS
T-6	CONCRETE STRAIN POLE SCHEDULE

HARTWOOD MARSH ROAD - PHASE I  
FROM SR 25 (US 27) TO HANCOCK ROAD



**PERMIT  
SUBMITTAL  
12/04/2007**

BEGIN PROJECT  
STA 103+11.20

END PROJECT  
STA 155+50.00

GOVERNING STANDARDS AND SPECIFICATIONS:  
FLORIDA DEPARTMENT OF TRANSPORTATION,  
DESIGN STANDARDS DATED JANUARY 2006,  
AND STANDARD SPECIFICATIONS FOR ROAD AND  
BRIDGE CONSTRUCTION DATED 2007,  
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 07-01-07

For Design Standards Modifications click on  
"Design Standards" at the following web site:  
<http://www.dot.state.fl.us/rddesign/>

PROJECT LENGTH IS BASED ON  $\frac{1}{2}$  OF CONSTRUCTION

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	5238.80	0.992
BRIDGES	0.00	0.000
NET LENGTH OF PROJECT	5238.80	0.992
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	5238.80	0.992

LAKE COUNTY PROJECT MANAGER: THOMAS MCCANN, PE

COUNTY MANAGER:  
CINDY HALL

COUNTY COMMISSIONERS:

CATHERINE HANSON  
DEBBIE STIVENDER  
JENNIFER HILL  
ROBERT POOL  
WELTON CADWELL

ROADWAY SHOP DRAWINGS  
TO BE SUBMITTED TO:

KAREN M. VAN DEN AVONT, PE  
HNTB CORPORATION  
300 PRIMERA BOULEVARD, SUITE 200  
LAKE MARY, FLORIDA 32746

PLANS PREPARED BY:

**HNTB**

HNTB CORPORATION  
300 PRIMERA BOULEVARD, SUITE 200  
LAKE MARY, FL 32746  
PHONE: (407) 805-0355  
FAX: 407-805-0227  
CERT. OF AUTH. NO. 6500  
VENDOR NO. : V98567003

NOTE: THE SCALE OF THESE PLANS MAY  
HAVE CHANGED DUE TO REVISIONS  
**RECEIVED**

DEC 06 2007

PDS  
ALTAMONTE OVC CENTER

ROADWAY PLANS  
ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, PE

P.E. NO. 44794

114354-1

FISCAL YEAR	SHEET NO.
07	1

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.

COMPONENTS OF CONTRACT PLANS SET

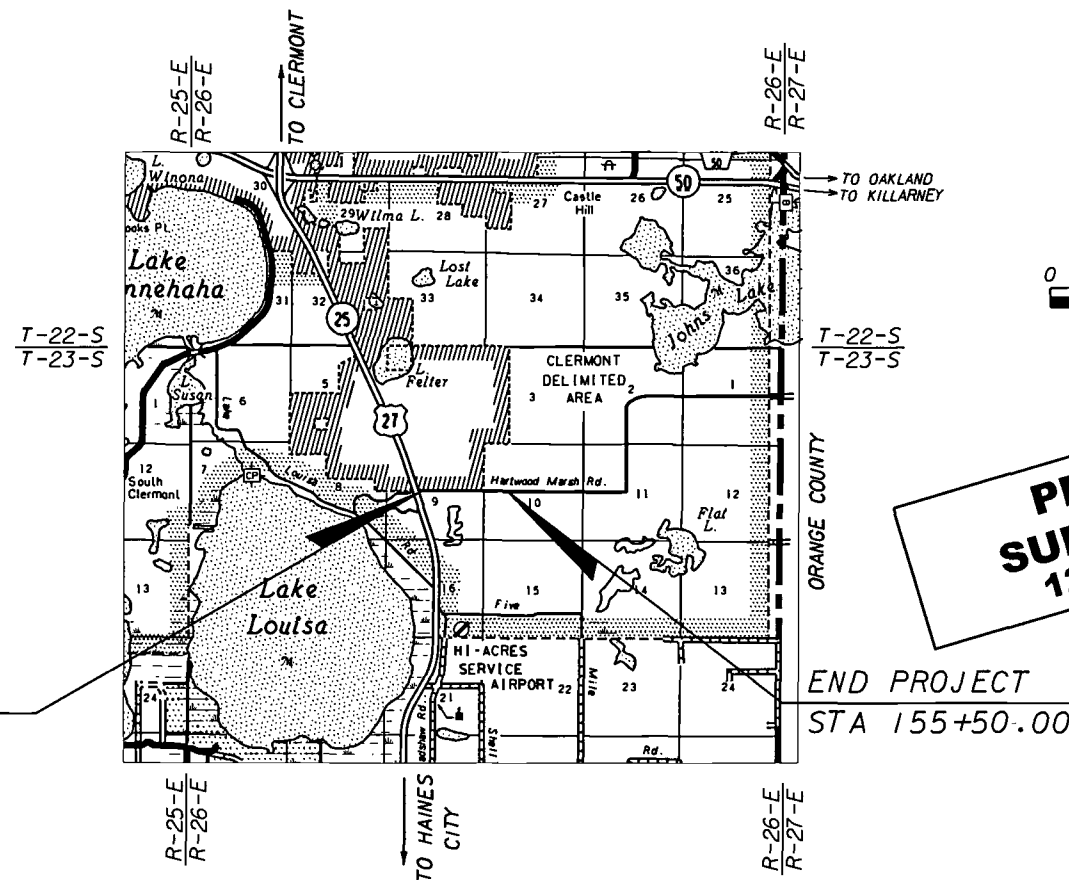


LAKE COUNTY  
FLORIDA  
**CONTRACT PLANS**

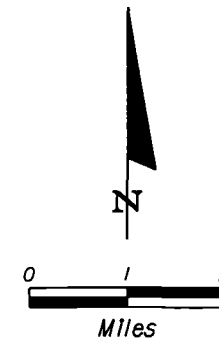
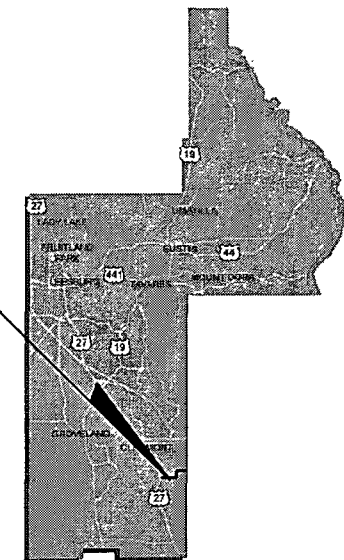
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HARTWOOD MARSH ROAD - PHASE I  
FROM SR 25 (US 27) TO HANCOCK ROAD



PROJECT LOCATION



**PERMIT  
SUBMITTAL  
12/04/2007**

GOVERNING STANDARDS AND SPECIFICATIONS:  
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PROJECT LENGTH IS BASED ON  $\mathcal{C}$  OF CONSTRUCTION

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	5238.80	0.992
BRIDGES	0.00	0.000
NET LENGTH OF PROJECT	5238.80	0.992
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	5238.80	0.992

LAKE COUNTY PROJECT MANAGER: THOMAS MCCANN, PE

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

COUNTY MANAGER:  
CINDY HALL

COUNTY COMMISSIONERS:  
CATHERINE HANSON  
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WELTON CADWELL

ROADWAY SHOP DRAWINGS  
TO BE SUBMITTED TO:

KAREN M. VAN DEN AVONT, PE  
HNTB CORPORATION  
300 PRIMERA BOULEVARD, SUITE 200  
LAKE MARY, FLORIDA 32746

PLANS PREPARED BY:

**HNTB**

HNTB CORPORATION  
300 PRIMERA BOULEVARD, SUITE 200  
LAKE MARY, FL 32746  
PHONE: (407) 805-0355  
FAX: 407-805-0227  
CERT. OF AUTH. NO. 6500  
VENDOR NO.: V98567003

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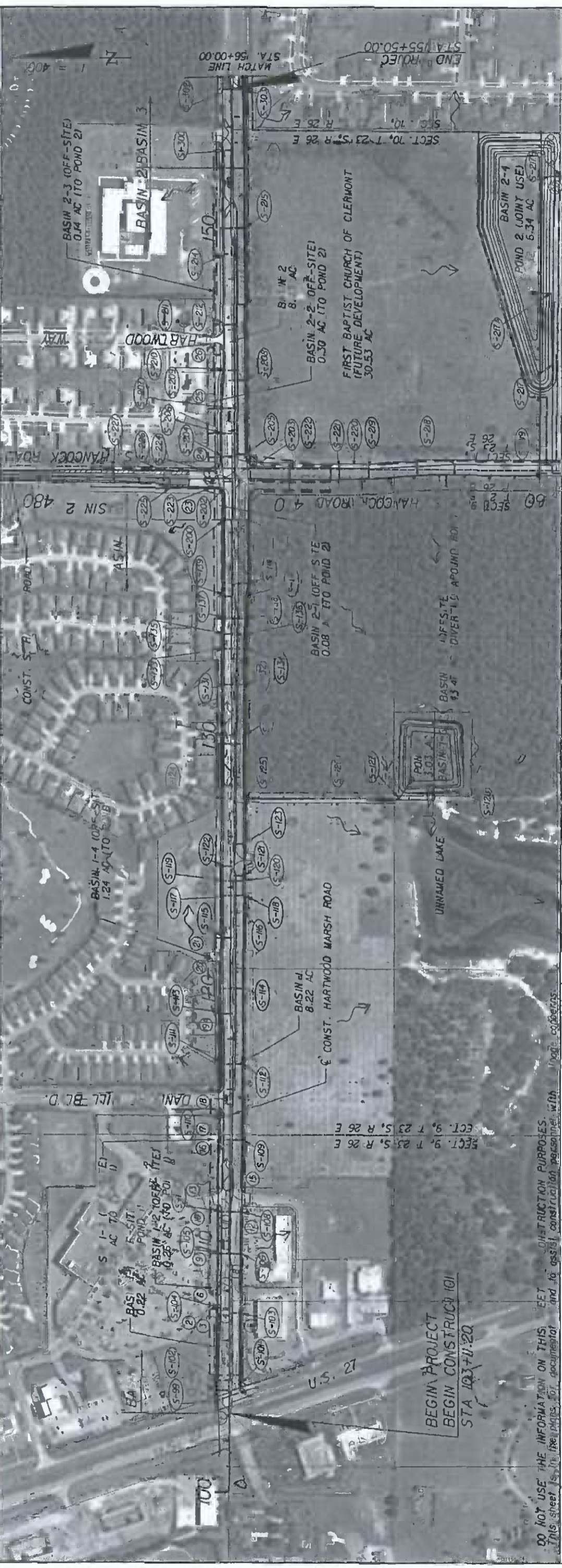
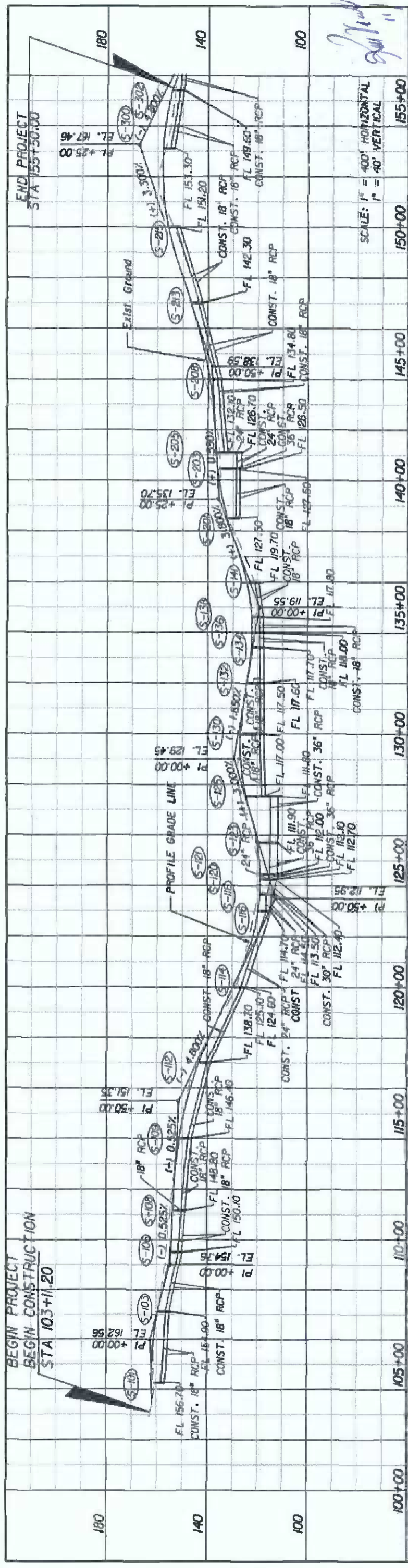
*Karen M. Van Den Avont*  
12/4/07

ROADWAY PLANS  
ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, PE

P.E. NO.: 44794

FISCAL YEAR	SHEET NO.
07	1

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6805-23.003, F.A.C.



DATE	BY	DESCRIPTION

DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. This sheet is to be used for informational purposes only and to assist construction personnel with the project.

**HNTB**  
 HNTB CORPORATION  
 300 PRIMA BLVD.  
 SUITE 200  
 LAKE BUENA VISTA, FL 32746  
 LAKE COUNTY, FL 32746  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E.  
 FL. REGISTRATION NO. 44794

**LAKE COUNTY**  
 FLORIDA

**HARTWOOD MARSH ROAD**

**DRAINAGE MAP**

SHEET NO. **2**



- ① STA 103+60.43 (49.84 Lt)  
Mitered End Section  
FI 158.71 (Rt) (Exist.)
- ② STA 107+01.82 (112.20 Lt)  
Curb Inlet  
Top El. 159.73  
FI 152.66 (Ah) (Exist.)  
FI 152.73 (Rt) (Exist.)  
FI 152.61 (Lt) (Exist.)
- ③ STA 107+14.08 (31.21 Lt)  
Mitered End Section  
FI 156.93 (Ah) (Exist.)
- ④ STA 107+13.68 (41.96 Rt)  
Ditch Bottom Inlet  
Grate El. 157.90  
FI 154.90 (Ah) (Exist.)
- ⑤ STA 107+48.64 (54.47 Lt)  
Curb Inlet  
Top El. 159.04  
FI 152.14 (Ah) (Exist.)  
FI 152.69 (Lt) (Exist.)
- ⑥ STA 107+48.64 (54.47 Lt)  
Curb Inlet  
Top El. 159.04  
FI 152.14 (Ah) (Exist.)  
FI 152.69 (Lt) (Exist.)
- ⑦ STA 108+03.58 (29.64 Lt)  
Mitered End Section  
FI 154.73 (Bk) (Exist.)
- ⑧ STA 108+50.82 (35.87 Rt)  
Mitered End Section  
FI 152.91 (Bk) (Exist.)
- ⑨ STA 109+57.14 (93.17 Lt)  
Curb Inlet  
Top El. 158.92  
FI 151.42 (Ah) (Exist.)  
FI 151.42 (Bk) (Exist.)
- ⑩ STA 111+09.35 (96.58 Lt)  
Curb Inlet  
Top El. 157.53  
FI 150.68 (Ah) (Exist.)  
FI 150.58 (Bk) (Exist.)
- ⑪ STA 111+11.38 (32.91 Lt)  
Mitered End Section  
FI 152.32 (Ah) (Exist.)
- ⑫ STA 111+07.23 (33.93 Rt)  
Ditch Bottom Inlet  
Grate El. 152.86  
FI 149.95 (Ah) (Exist.)
- ⑬ STA 111+64.56 (109.95 Lt)  
Curb Inlet  
Top El. 156.60  
FI 150.00 (Ah) (Exist.)  
FI 150.20 (Bk) (Exist.)
- ⑭ STA 112+25.38 (34.91 Lt)  
Mitered End Section  
FI 150.65 (Ah) (Exist.)
- ⑮ STA 112+29.43 (31.46 Rt)  
Mitered End Section  
FI 149.37 (Ah) (Exist.)
- ⑯ STA 113+54.06 (36.36 Lt)  
Mitered End Section  
FI 149.60 (Ah) (Exist.)
- ⑰ STA 114+44.80 (38.71 Lt)  
Mitered End Section  
FI 148.27 (Ah) (Exist.)
- ⑱ STA 115+77.16 (64.09 Lt)  
Curb Inlet  
Top El. 147.77  
FI 142.62 (Ah) (Exist.)  
FI 142.72 (Bk) (Exist.)
- ⑲A STA 117+48.43 (63.30 Lt)  
Manhole  
Top El. 147.09  
FI 134.57 (Ah) (Exist.)  
FI 134.67 (Bk) (Exist.)
- ⑳ STA 120+30.13 (61.51 Lt)  
Manhole  
Top El. 132.69  
FI 121.71 (Ah) (Exist.)  
FI 121.46 (Bk) (Exist.)
- ㉑ STA 120+30.13 (61.51 Lt)  
Mitered End Section  
FI 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  
FI 130.98 (Ah) (Exist.)
- ㉔ STA 140+82.05 (55.16 Lt)  
Mitered End Section  
FI 131.83 (Bk) (Exist.)
- ㉕ STA 142+67.29 (112.24 Lt)  
Ditch Bottom Inlet  
Grate El. 141.03  
FI 134.75 (Ah) (Exist.)  
FI 134.67 (Bk) (Exist.)  
FI 134.77 (Lt) (Exist.)
- ㉖ STA 145.44.29 (94.70 Lt)  
Curb Inlet  
Top El. 143.63  
FI 138.91 (Ah) (Exist.)  
FI 138.84 (Bk) (Exist.)
- ㉗ STA 145+75.97 (95.04 Lt)  
Curb Inlet  
Top El. 143.84  
FI 139.19 (Bk) (Exist.)
- ㉘ STA 31+81.03 (79.31 Rt)  
(Q POND 2)  
Ditch Bottom Inlet  
Grate El. 110.60  
FI 104.41 (Rt) (Exist.)

## BASIN AREAS

BASIN 1		BASIN 2		BASIN 3	
S-100	0.124 AC.	S-200	0.411 AC.	S-300	0.111 AC.
S-101	0.051 AC.	S-201	0.383 AC.	S-301	0.155 AC.
S-102	0.044 AC.	S-204	0.257 AC.	S-302	0.343 AC.
S-103	0.231 AC.	S-205	0.320 AC.	S-303	0.368 AC.
S-104	0.549 AC.	S-206	0.272 AC.		
S-105	0.440 AC.	S-207	0.414 AC.		
S-106	0.233 AC.	S-208	0.329 AC.		
S-107	0.287 AC.	S-209	0.442 AC.		
S-108	0.204 AC.	S-212	0.605 AC.		
S-109	0.340 AC.	S-213	0.347 AC.		
S-110	0.726 AC.	S-214	0.532 AC.		
S-111	0.389 AC.	S-215	0.353 AC.		
S-112	0.338 AC.	S-223	0.184 AC.		
S-113	0.334 AC.	S-224	0.221 AC.		
S-114	0.312 AC.	S-225	0.885 AC.		
S-115	0.622 AC.	S-226	0.183 AC.		
S-116	0.352 AC.	S-227	0.678 AC.		
S-117	0.269 AC.				
S-118	0.077 AC.				
S-119	0.184 AC.				
S-120	0.090 AC.				
S-121	0.132 AC.				
S-122	0.470 AC.				
S-123	0.413 AC.				
S-124	0.341 AC.				
S-131	0.356 AC.				
S-132	0.269 AC.				
S-133	0.224 AC.				
S-134	0.166 AC.				
S-135	0.221 AC.				
S-136	0.209 AC.				
S-137	0.165 AC.				
S-138	0.186 AC.				
S-139	0.495 AC.				
S-141	0.430 AC.				

*Karen M. Van Den Avont*  
11/4/07

REVISIONS		
DATE	BY	DESCRIPTION

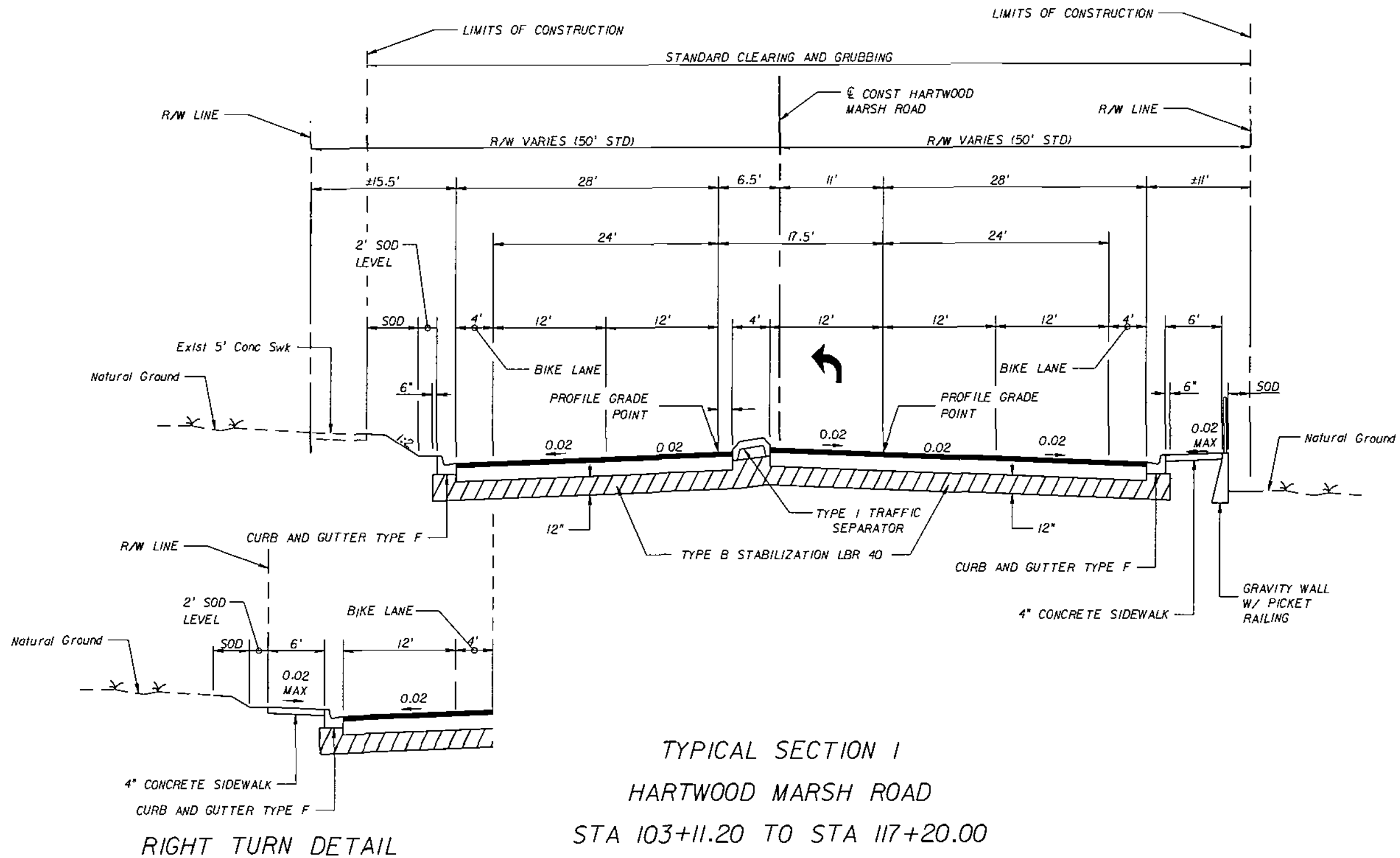
**HNTB**  
 HNTB CORPORATION  
 300 PRINERA BLVD.  
 SUITE 200  
 LAKE MARY, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD. KAREN M. VAN DEN AVONT, P.E.  
 FL. REGISTRATION NO. 44794



**HARTWOOD MARSH  
ROAD**

**EXISTING DRAINAGE DATA  
& BASIN AREAS**

SHEET NO.  
**4**



TYPICAL SECTION I  
HARTWOOD MARSH ROAD  
STA 103+11.20 TO STA 117+20.00

RIGHT TURN DETAIL

TRAFFIC DATA

CURRENT YEAR = 2005 AADT = 11,100  
ESTIMATED OPENING YEAR = 2008 AADT = 15,100  
ESTIMATED DESIGN YEAR = 2028 AADT = 35,600  
K = 11.1% D = 77.3/ T = 15.6% (24 HOUR)  
DESIGN HOUR T = 7.8%  
DESIGN SPEED = 45 MPH  
POSTED SPEED = 40 MPH

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3")  
AND FRICTION COURSE FC-12.5 (1.5") (RUBBER)

*John Van Der Aart*  
11/9/07

REVISIONS		
DATE	BY	DESCRIPTION

**HNTB**  
HNTB CORPORATION  
300 PRIMA BLVD  
SUITE 200  
LAKE WARY, FL 32746  
(407) 805-0355  
CERT OF AUTH NO 6500

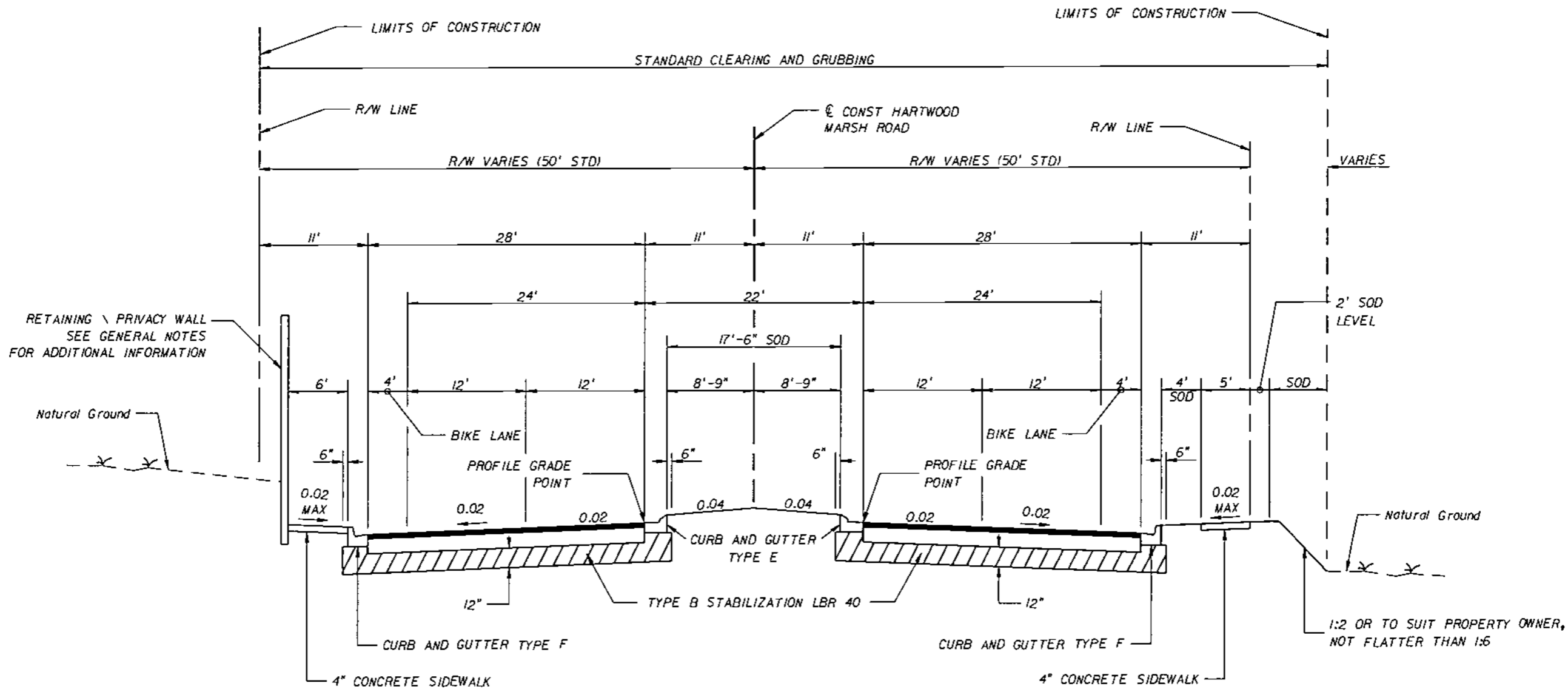
ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E.  
FL REGISTRATION NO. 44794

**LAKE COUNTY**  
FLORIDA

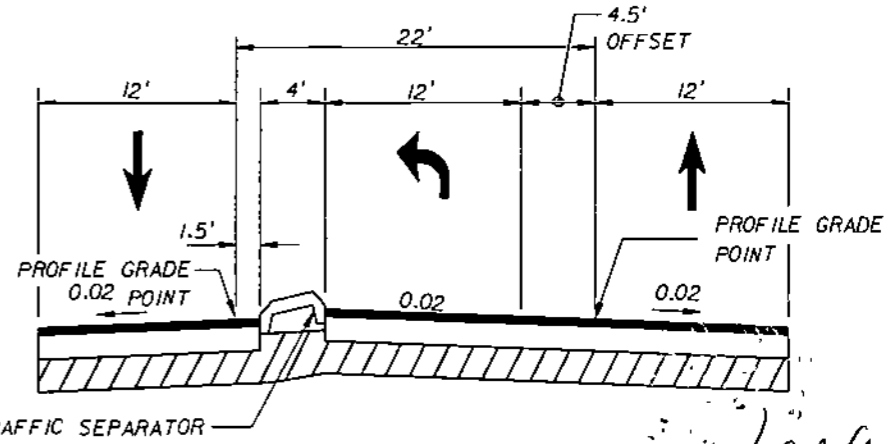
**HARTWOOD MARSH**  
**ROAD - PHASE I**

**TYPICAL SECTION**

SHEET NO.  
**5**



TYPICAL SECTION 2  
HARTWOOD MARSH ROAD  
STA 117+20.00 TO STA 132+42.50



**TRAFFIC DATA**

CURRENT YEAR	= 2005 AADT = 11,100
ESTIMATED OPENING YEAR	= 2008 AADT = 15,100
ESTIMATED DESIGN YEAR	= 2028 AADT = 35,600
K = 11.1% D = 77.3% T = 15.6% (24 HOUR)	
DESIGN HOUR T = 7.8%	
DESIGN SPEED = 45 MPH	
POSTED SPEED = 40 MPH	

**NEW CONSTRUCTION**  
OPTIONAL BASE GROUP 9 WITH  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3")  
AND FRICTION COURSE FC-12.5 (1.5") (RUBBER)

LEFT TURN LANE DETAIL  
(MIRROR FOR OTHER DIRECTION)

REVISIONS		
DATE	BY	DESCRIPTION

**HNTB**  
HNTB CORPORATION  
300 PRIMA BLVD.  
SUITE 200  
LAKE MARY, FL 32746  
(407) 805-0355  
CERT OF AUTH NO 6500

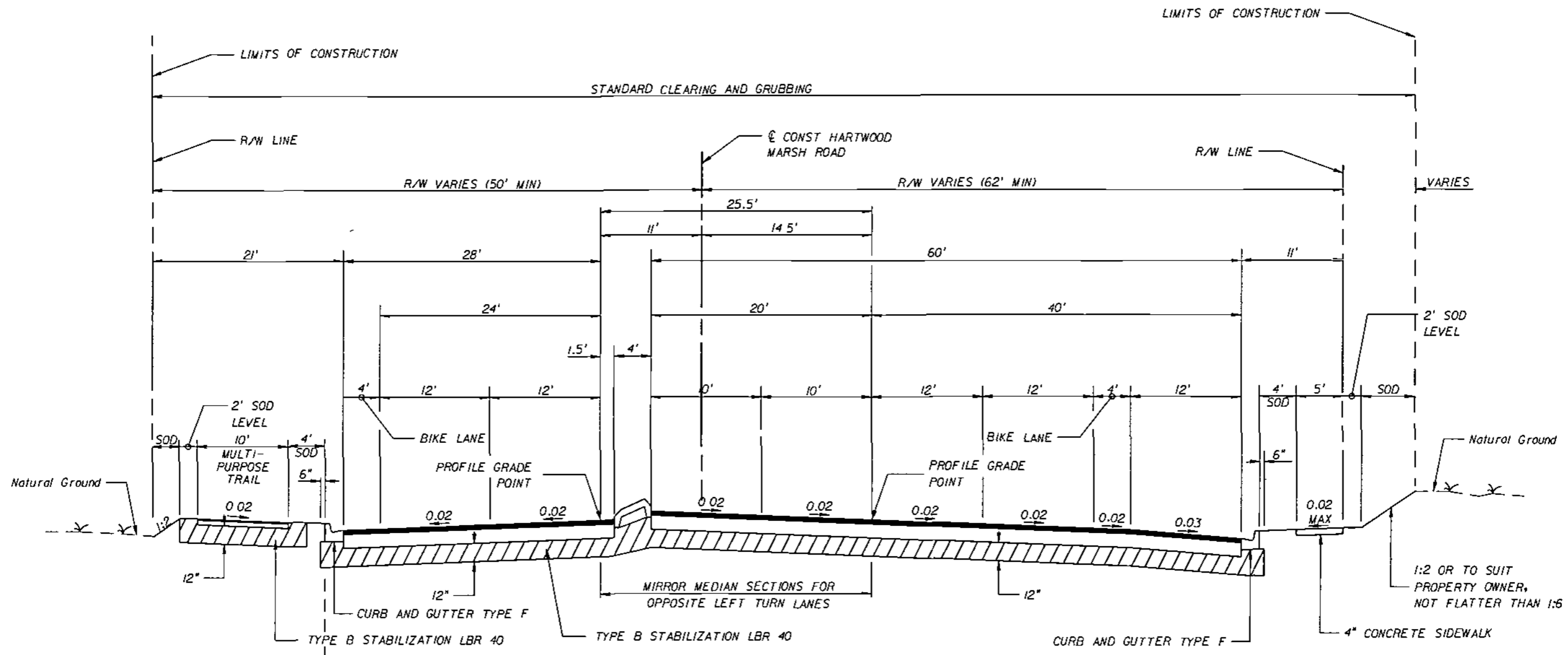
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**LAKE COUNTY**  
FLORIDA

**HARTWOOD MARSH**  
**ROAD - PHASE I**

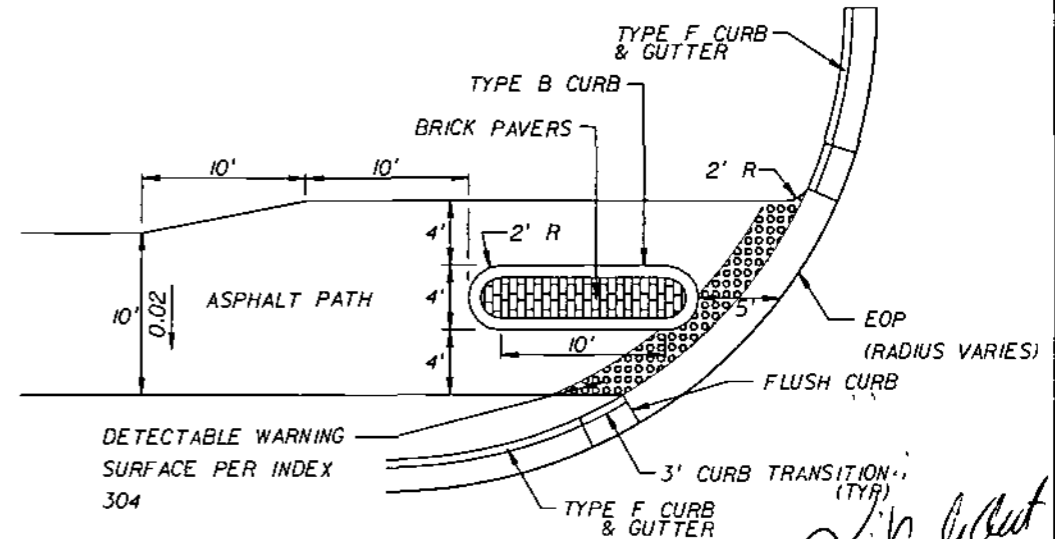
**TYPICAL SECTION**

SHEET NO.  
**6**



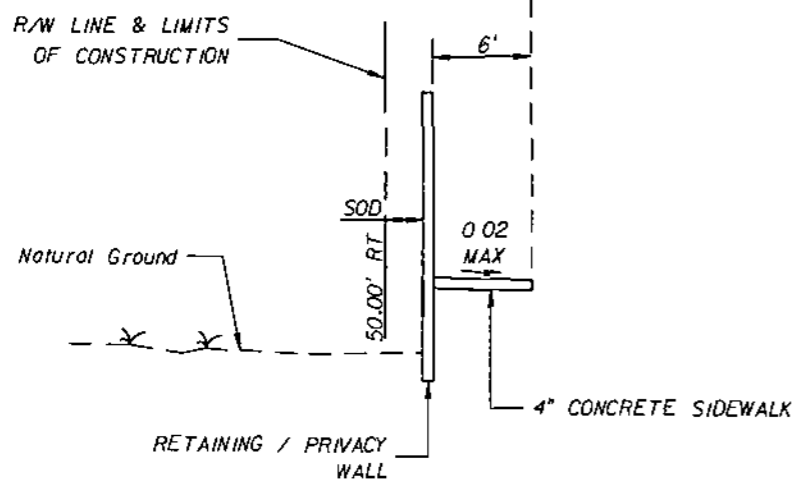
**TYPICAL SECTION 3  
HARTWOOD MARSH ROAD  
STA 132+42.50 TO STA 155+50.00**

NEW CONSTRUCTION  
 OPTIONAL BASE GROUP 9 WITH  
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3")  
 AND FRICTION COURSE FC-12.5 (1.5") (RUBBER)  
 MULTI-USE ASPHALT PATH  
 OPTIONAL BASE GROUP 1 WITH  
 TYPE SP STRUCTURAL COURSE (TRAFFIC A) (1")



**PATH SEPARATOR DETAIL**

*Handwritten signature and date: 11/4/07*



**STA 132+42.50 TO STA 139+44.10**

REVISIONS	
DATE	DESCRIPTION

**HNTB**  
 HNTB CORPORATION  
 300 PRIMA BLVD.  
 SUITE 200  
 LAKE WARY, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD: KAREN W. VAN DEN AVONDT, P.E.  
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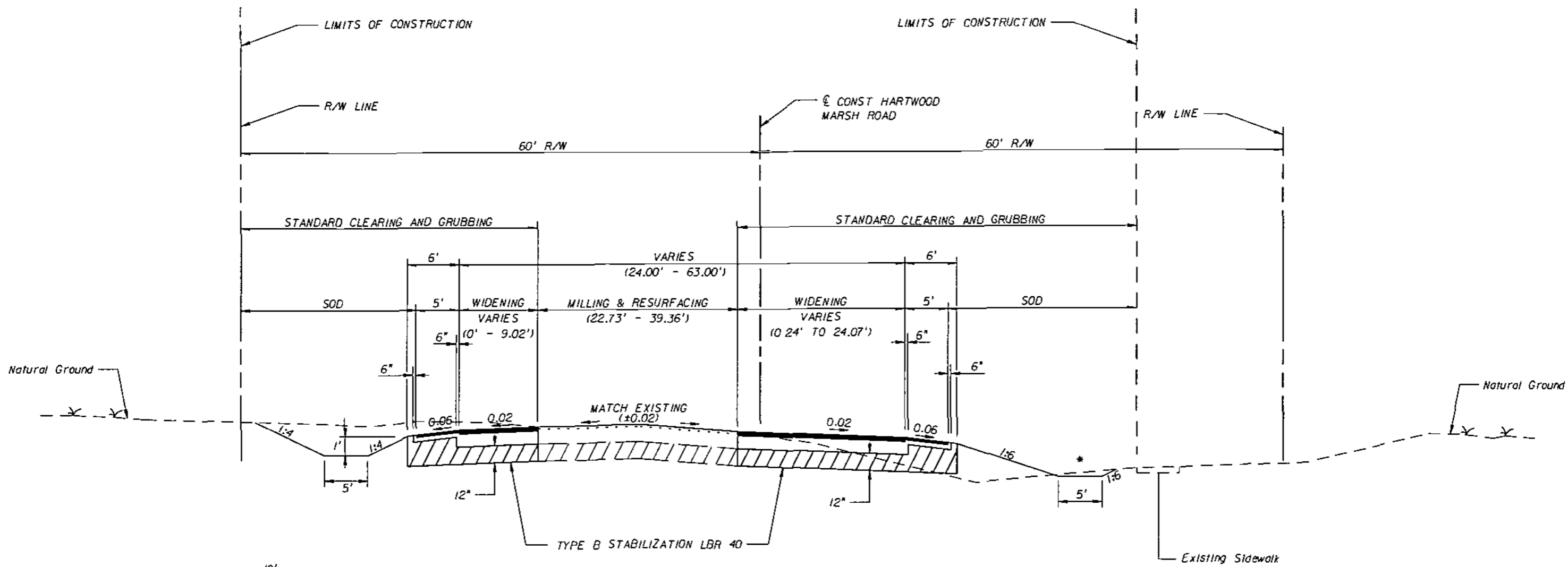
**LAKE COUNTY  
FLORIDA**

**HARTWOOD MARSH  
ROAD - PHASE I**

**TYPICAL SECTION**

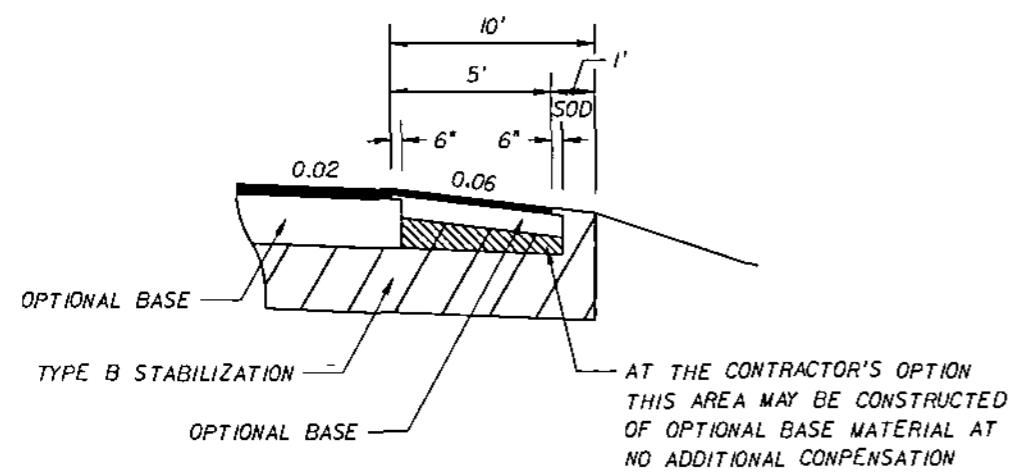
SHEET NO.  
**7**





**TYPICAL SECTION 4  
HARTWOOD MARSH ROAD  
STA 155+50.00 TO STA 161+50.00**

\* SEE CROSS SECTIONS FOR DITCH ELEVATIONS AND SLOPES



**MILLING**  
MILL EXISTING ASPHALT PAVEMENT (1 1/2" AVG. DEPTH)

**RESURFACING**  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2")  
AND FRICTION COURSE FC-12.5 (1 1/2") (RUBBER)

**WIDENING**  
OPTIONAL BASE GROUP 9 WITH  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3")  
AND FRICTION COURSE FC-12.5 (1 1/2") (RUBBER)

**SHOULDER PAVEMENT**  
OPTIONAL BASE GROUP 1 WITH  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2")  
AND FRICTION COURSE FC-12.5 (1 1/2") (RUBBER)

*John Van Dyke*  
11/9/07

REVISIONS	
DATE	DESCRIPTION

**HNTB**  
HNTB CORPORATION  
300 PRIMA BLVD.  
SUITE 200  
LAKE MARY, FL 32746  
14071 805-0355  
CERT OF AUTH. NO 6500

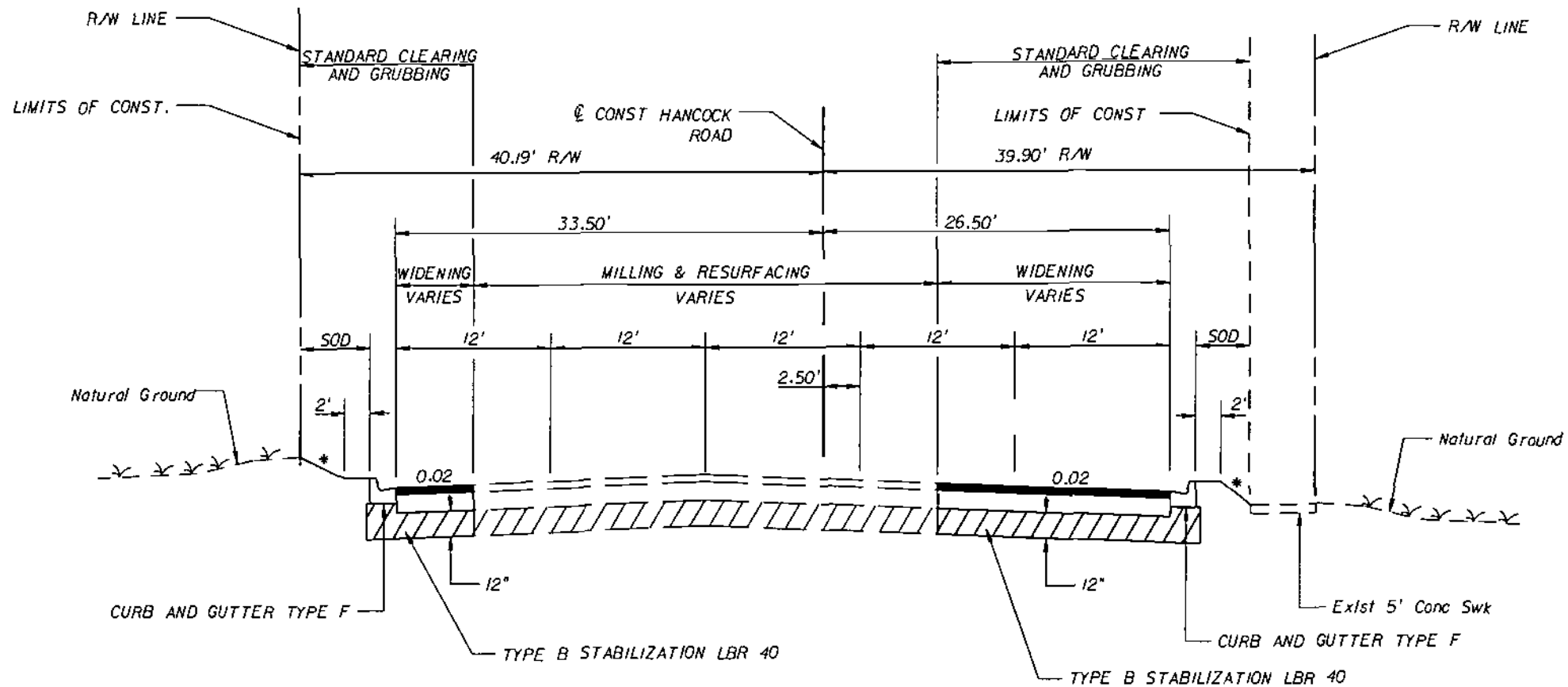
ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E.  
FL REGISTRATION NO 44794



**HARTWOOD MARSH  
ROAD - PHASE I**

**TYPICAL SECTION**

SHEET NO.  
**8**



TYPICAL SECTION 5  
HANCOCK ROAD  
STA 473+20.05 TO STA 482+57.78

\* SEE CROSS SECTIONS

TRAFFIC DATA

CURRENT YEAR = 2005 AADT =  
ESTIMATED OPENING YEAR = 2008 AADT =  
ESTIMATED DESIGN YEAR = 2028 AADT =  
K = % D = % T = % (24 HOUR)  
DESIGN HOUR T = %  
DESIGN SPEED = 45 MPH  
POSTED SPEED = 40 MPH

MILLING

MILL EXISTING ASPHALT PAVEMENT (1 1/2" AVG. DEPTH)

RESURFACING

TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2")  
AND FRICTION COURSE FC-12.5 (1 1/2") (RUBBER)

WIDENING

OPTIONAL BASE GROUP 9 WITH  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3")  
AND FRICTION COURSE FC-12.5 (1 1/2") (RUBBER)

*Handwritten signature and date:*  
11/9/07

REVISIONS	
DATE	DESCRIPTION

**HNTB**  
HNTB CORPORATION  
300 PRIMA BLVD  
SUITE 200  
LAKE HAVY, FL 32746  
(407) 805-0355  
CERT. OF AUTH. NO. 6500

ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E.  
FL REGISTRATION NO. 44794

LAKE COUNTY  
FLORIDA

HARTWOOD MARSH  
ROAD - PHASE I

TYPICAL SECTION

SHEET NO.  
9









ENGINEER OF RECORD KAREN W VAN DEN AVONT, P.E.  
 FL REGISTRATION NO 44794  
 HNTB  
 HNTB CORPORATION  
 300 PRINCE BLVD.  
 SUITE 200  
 LAKE WORTH, FL 32746  
 (407) 805-0355  
 CENT. OF MTH. NO. 6500

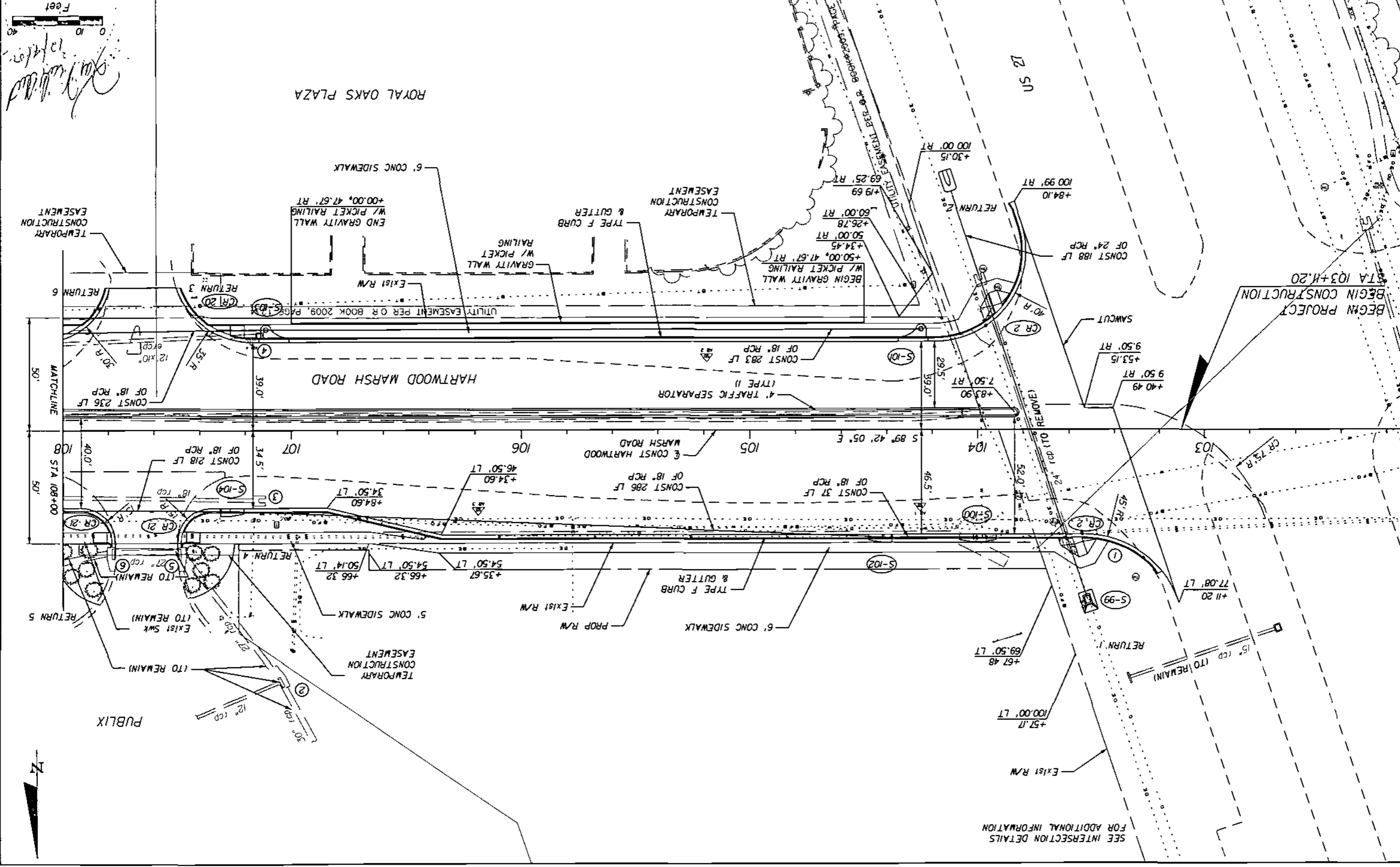
LAKE COUNTY  
 FLORIDA

HARTWOOD MARSH ROAD - PHASE I

PLAN SHEET

SHEET NO. 18

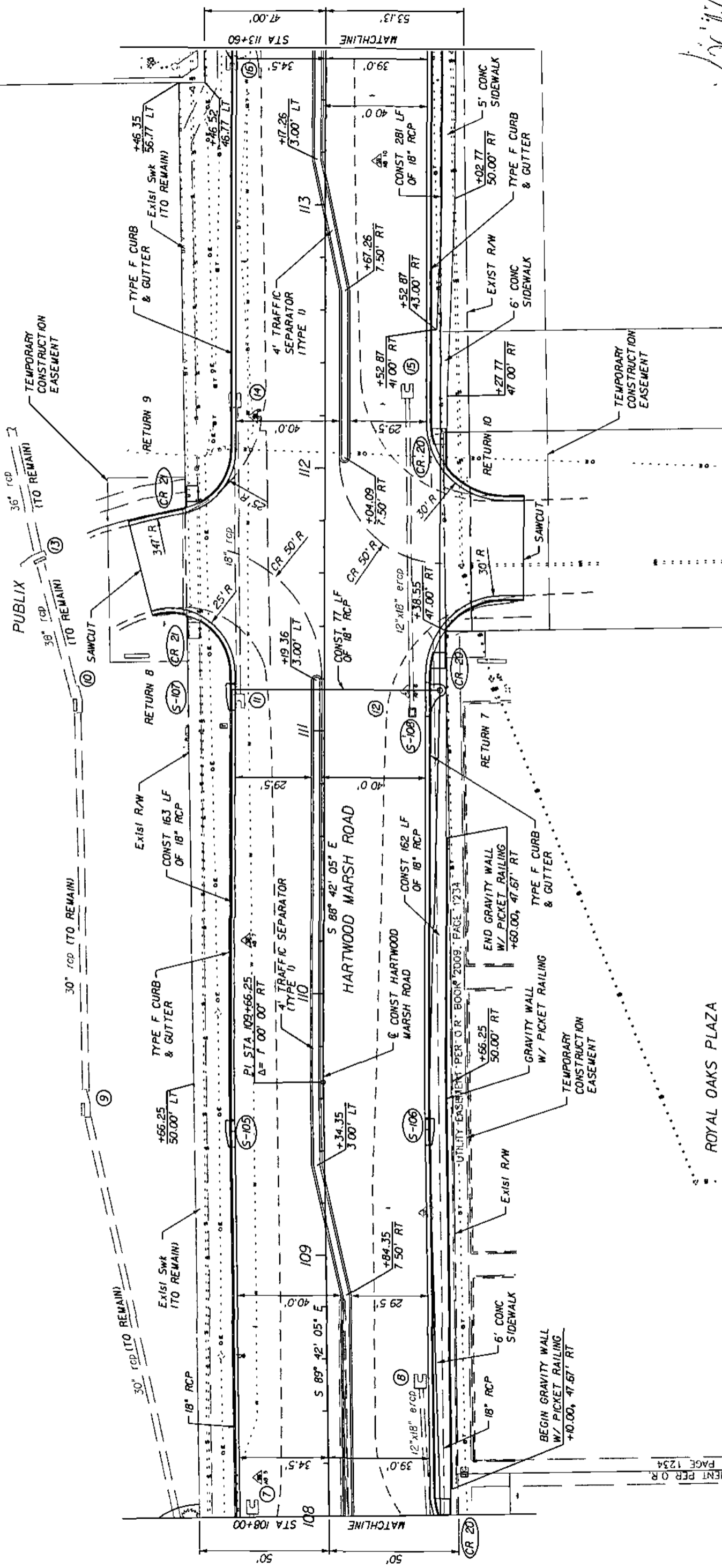
REVISIONS	DATE	BY	DESCRIPTION



*Handwritten notes:*  
 10/14/07  
 [Signature]

SEE INTERSECTION DETAILS  
 FOR ADDITIONAL INFORMATION

SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION



*Handwritten signature and date:*  
 10/19/09



SHEET NO. 19

**PLAN SHEET**

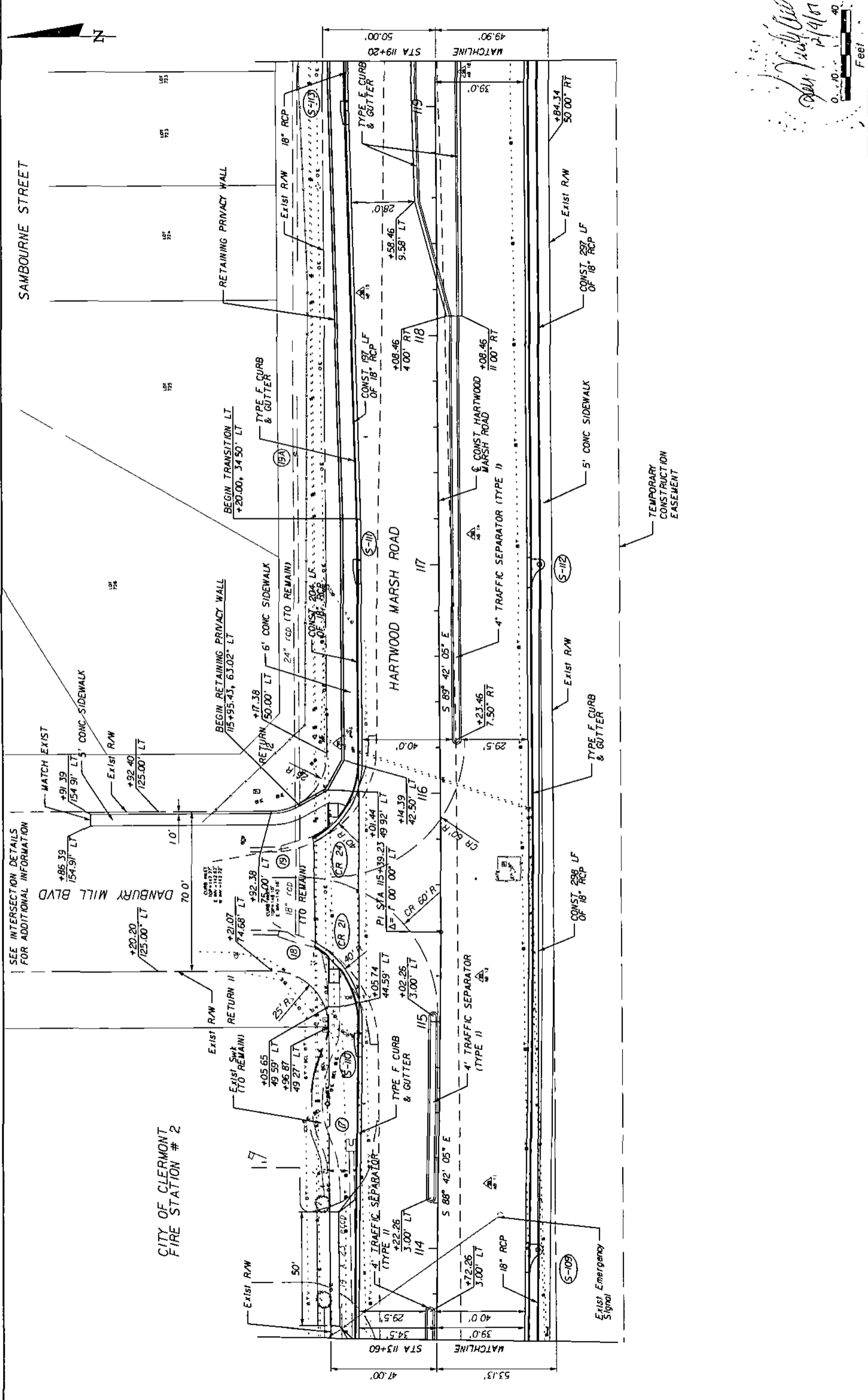
**HARTWOOD MARSH ROAD - PHASE I**



**HNTB**  
 HNTB CORPORATION  
 300 PRIMA BLVD.  
 SUITE 200  
 LAKE MAR, FL 32746  
 (407) 865-0355  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD: KAREN M. VAN DEN AVONDT, P.E.  
 FL. REGISTRATION NO. 46794

DATE	BY	REVISIONS DESCRIPTION





SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION

CITY OF CLERMONT  
FIRE STATION # 2

SAMBOURNE STREET

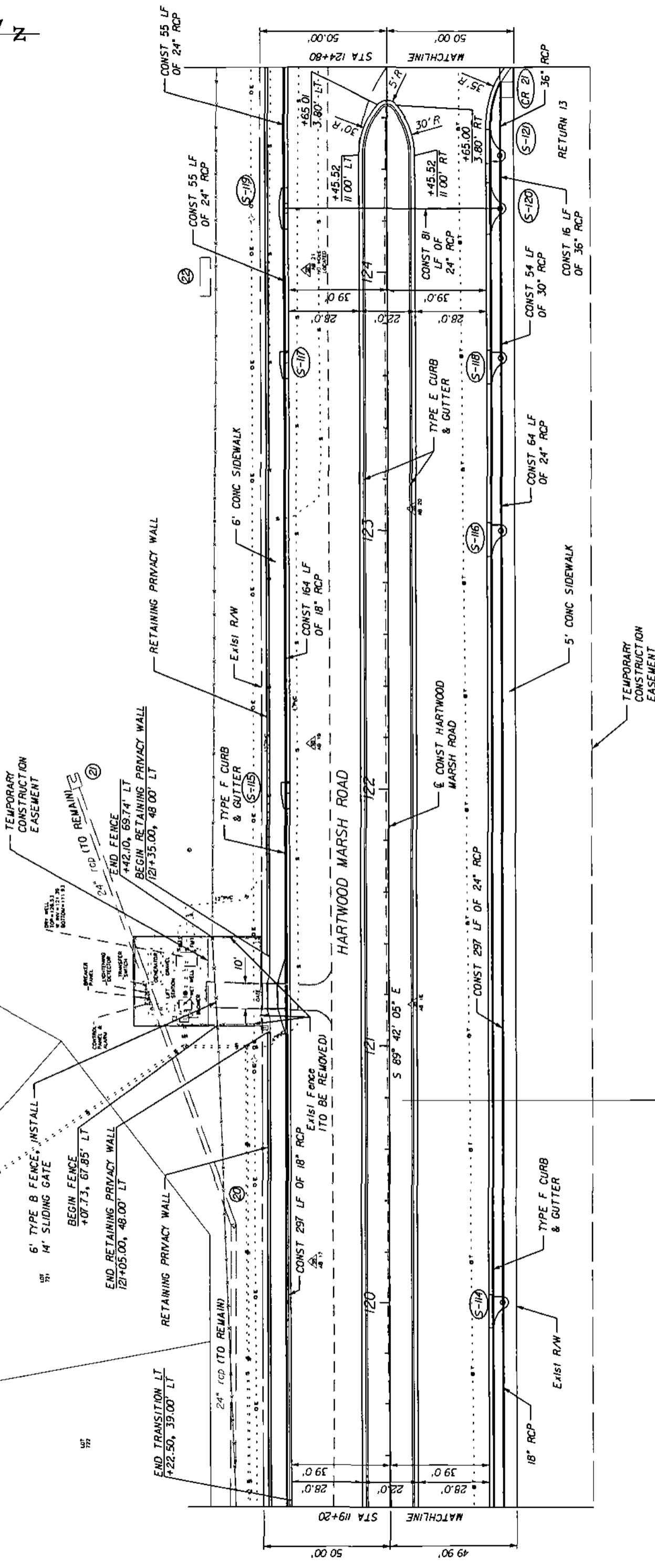
STA 119+20  
MATCHLINE

STA 113+60  
MATCHLINE

*Handwritten notes:*  
1/24/2017  
1/24/17  
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Feet

DATE		REVISIONS	
BY	DESCRIPTION		
<p>HNTB CORPORATION 300 PRINCERA BLVD, SUITE 200 LAKE WORTH, FL 32746 407.860-0355 CERT. OF AUTH. NO. 6500 ENGINEER OF RECORD: KAREN W. VAN DEN AVONT, P.E. FL REGISTRATION NO. 44794</p>			
<p>LAKE COUNTY FLORIDA</p>		<p>HARTWOOD MARSH ROAD - PHASE I</p>	
PLAN SHEET		SHEET NO. 20	

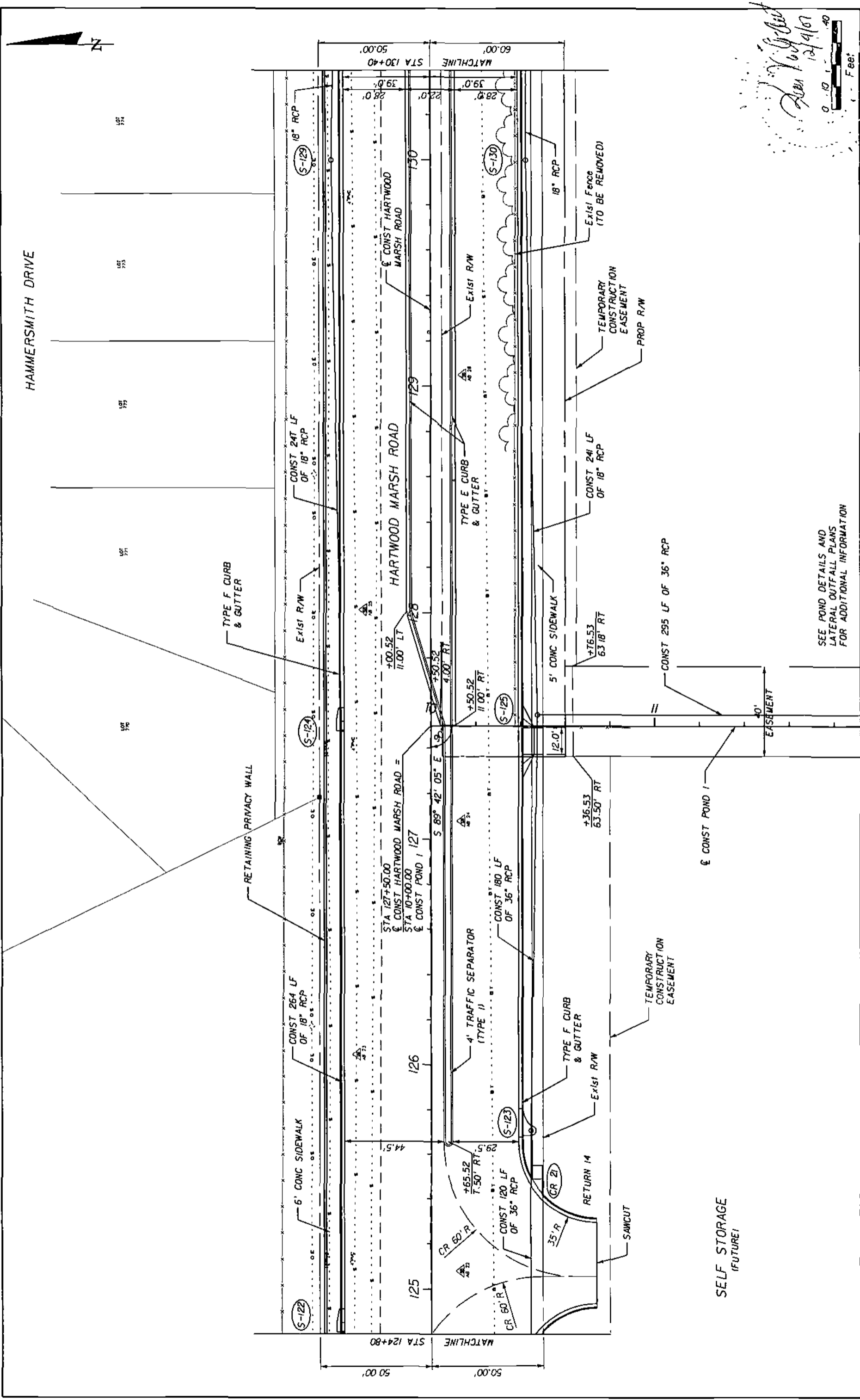
SAMBOURNE STREET



*Don Vandyke*  
10/4/07

0 10' 40'  
Feet

DATE		BY		REVISIONS		DESCRIPTION			
<p><b>HNTB</b>          HNTB CORPORATION          300 PRIMA BLVD.          SUITE 200          LAKE MARY, FL 32746          (407) 805-0355          CERT. OF AUTH. NO 6500          ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E.          FL REGISTRATION NO 44754</p>									
<p><b>LAKE COUNTY</b>          FLORIDA</p>				<p><b>HARTWOOD MARSH</b>  <b>ROAD - PHASE I</b></p>				<p><b>PLAN SHEET</b></p>	
<p>SHEET NO. 21</p>									



10/16/07  
 R. B. ...  
 0 10 40  
 Feet

<b>HNTB</b> HNTB CORPORATION 300 PRIMA BLVD. SUITE 200 LAKE WARE, FL 32746 (407) 805-0355 CERT. OF AUTH. NO. 6502 ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E. FL REGISTRATION NO. 44794		<b>LAKE COUNTY</b> FLORIDA	<b>HARTWOOD MARSH ROAD - PHASE I</b>	<b>PLAN SHEET</b> 22
DATE: _____ BY: _____	<b>REVISIONS</b> DESCRIPTION	SEE POND DETAILS AND LATERAL OUTFALL PLANS FOR ADDITIONAL INFORMATION		

REVISIONS	DATE	BY	DESCRIPTION

**HNTB**  
 HNTB CORPORATION  
 300 PRIMAVERA BLVD.,  
 SUITE 200  
 LAKE WARE, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD: KAREN H. VAN DEN AMONT, P.E.  
 FL REGISTRATION NO. 44794

LAKE COUNTY  
 FLORIDA

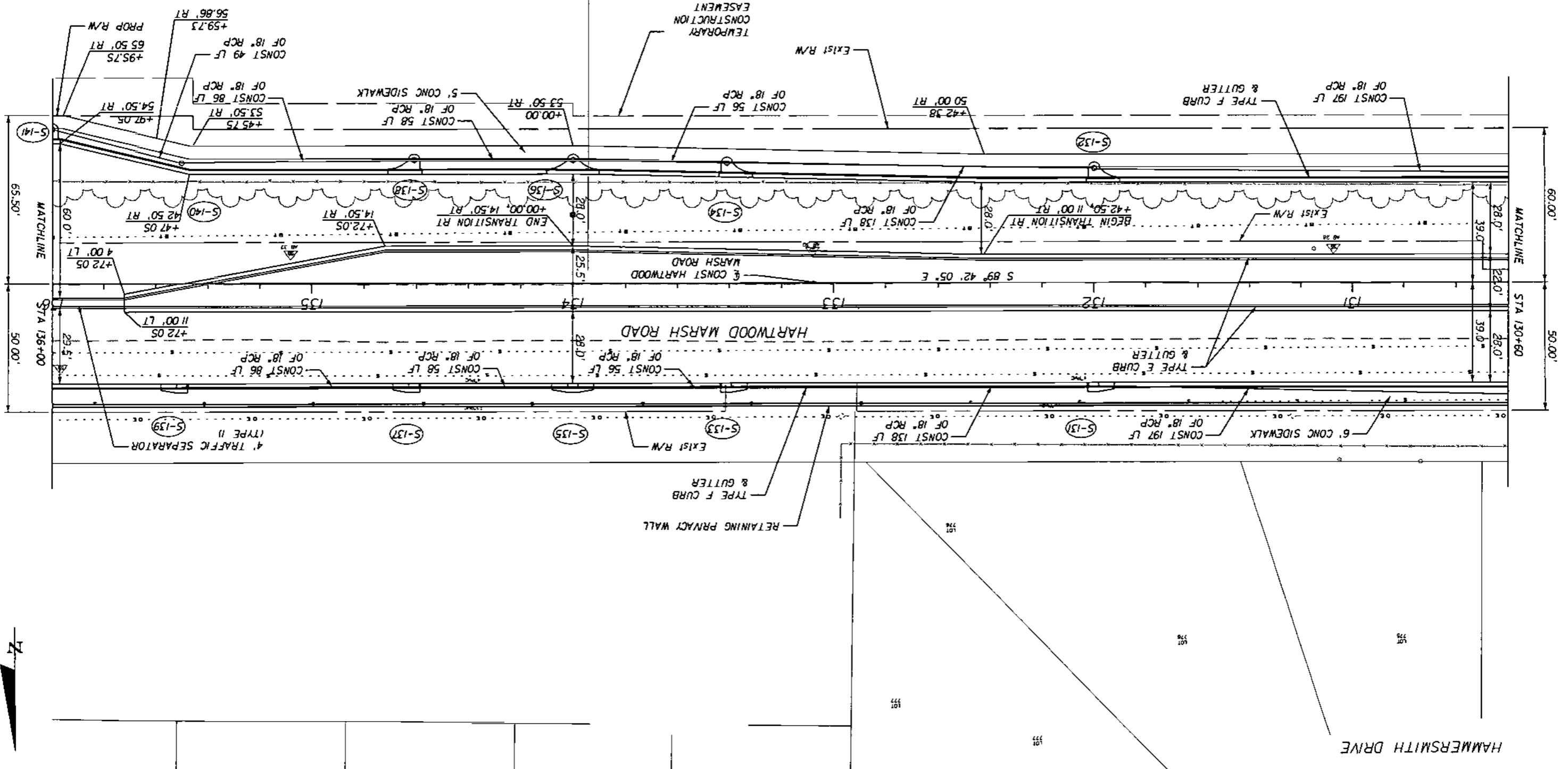


HARTWOOD MARSH  
 ROAD - PHASE I

PLAN SHEET

23  
 SHEET NO.

12/19/07  
 12/19/07  
 40  
 0  
 10  
 20  
 30  
 40  
 Feet



REVISIONS	DATE	BY	DESCRIPTION



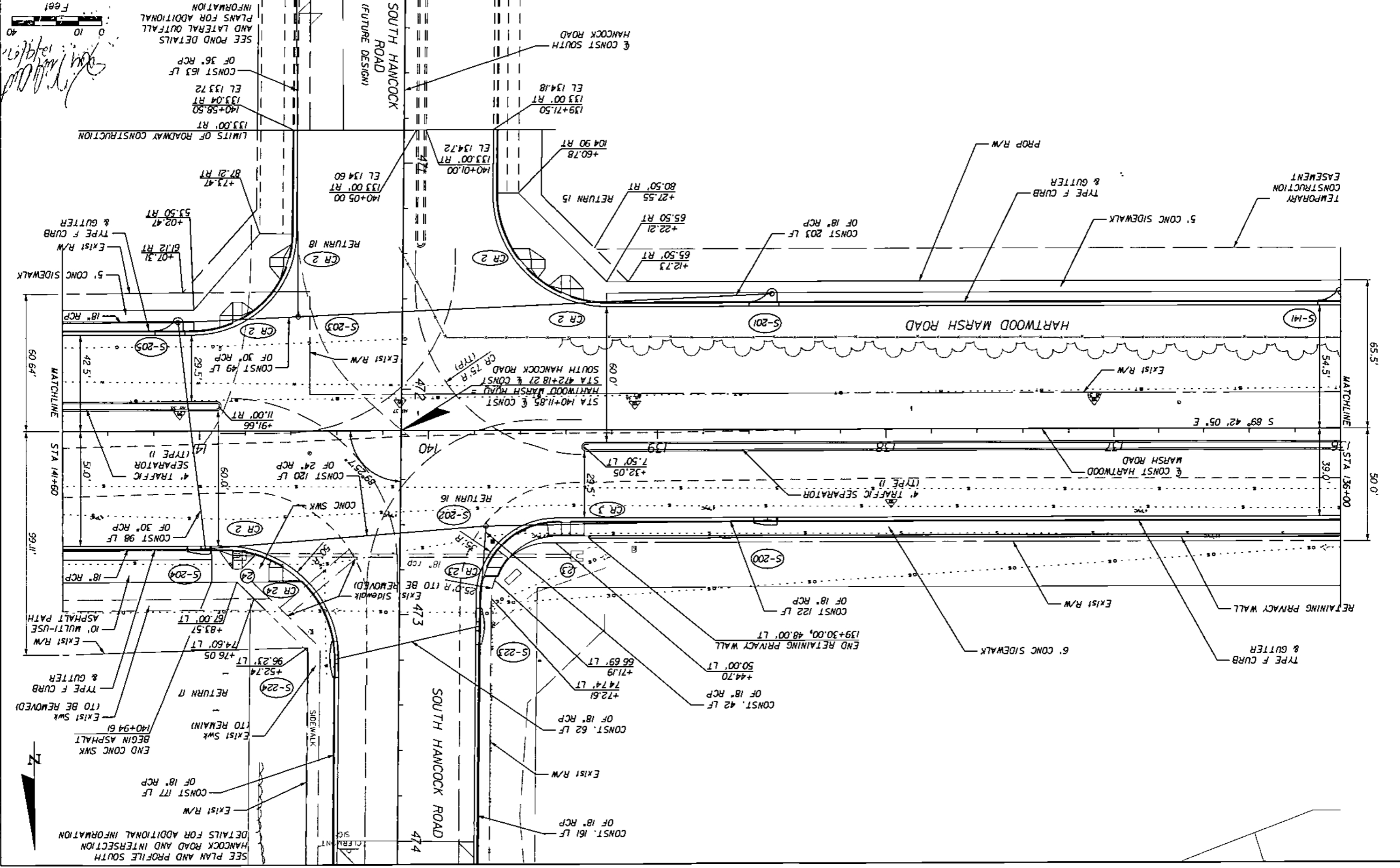
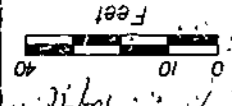
HNTB CORPORATION  
 300 PRIMAVERA BLVD.  
 SUITE 200  
 LAKE WORTH, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD KAREN W. VAN DEN AVONDT, P.E.  
 FL REGISTRATION NO. 44794

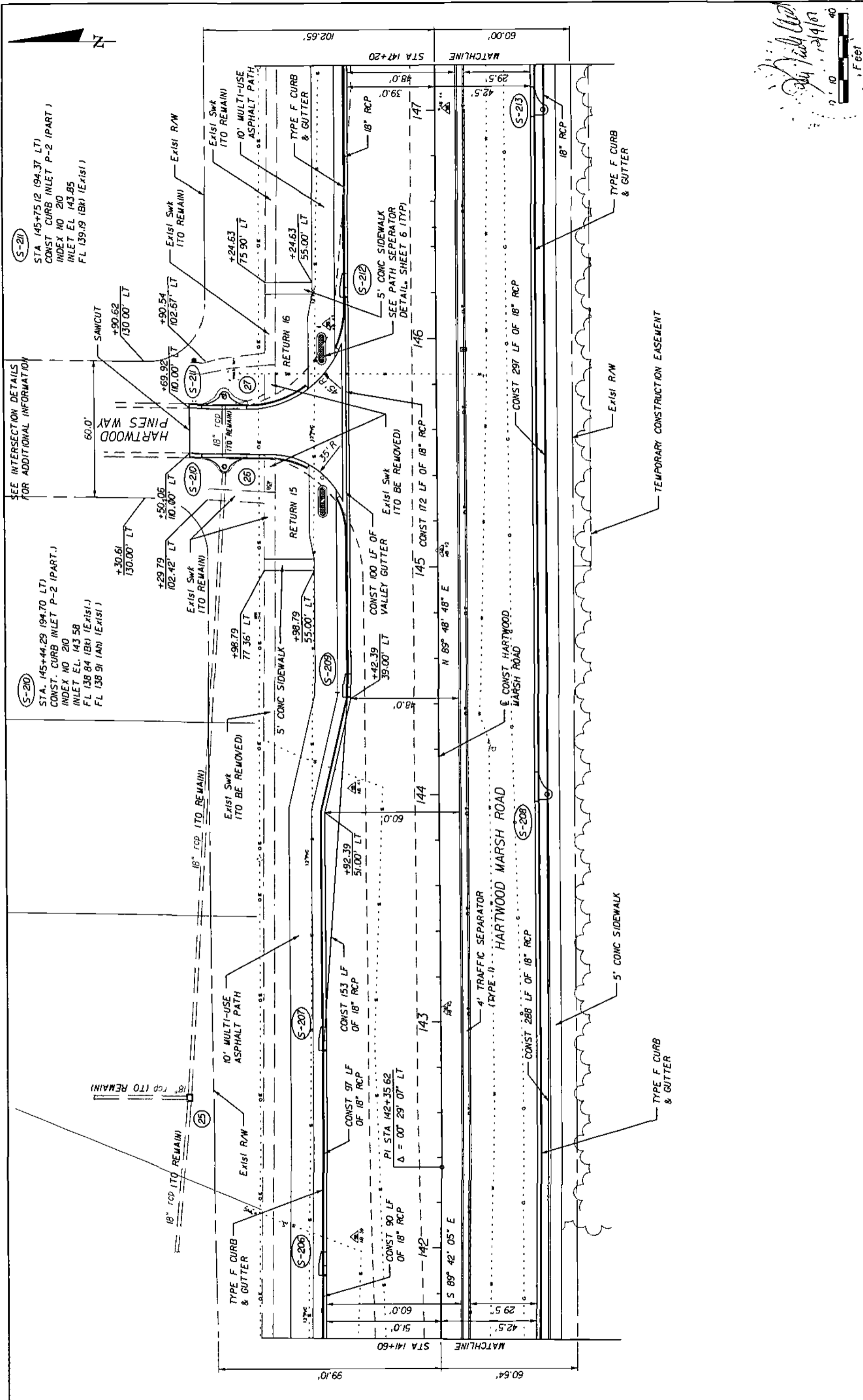
LAKE COUNTY  
 FLORIDA

HARTWOOD MARSH  
 ROAD - PHASE I

PLAN SHEET

29  
 SHEET NO.

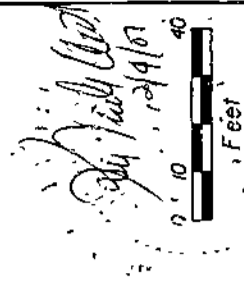




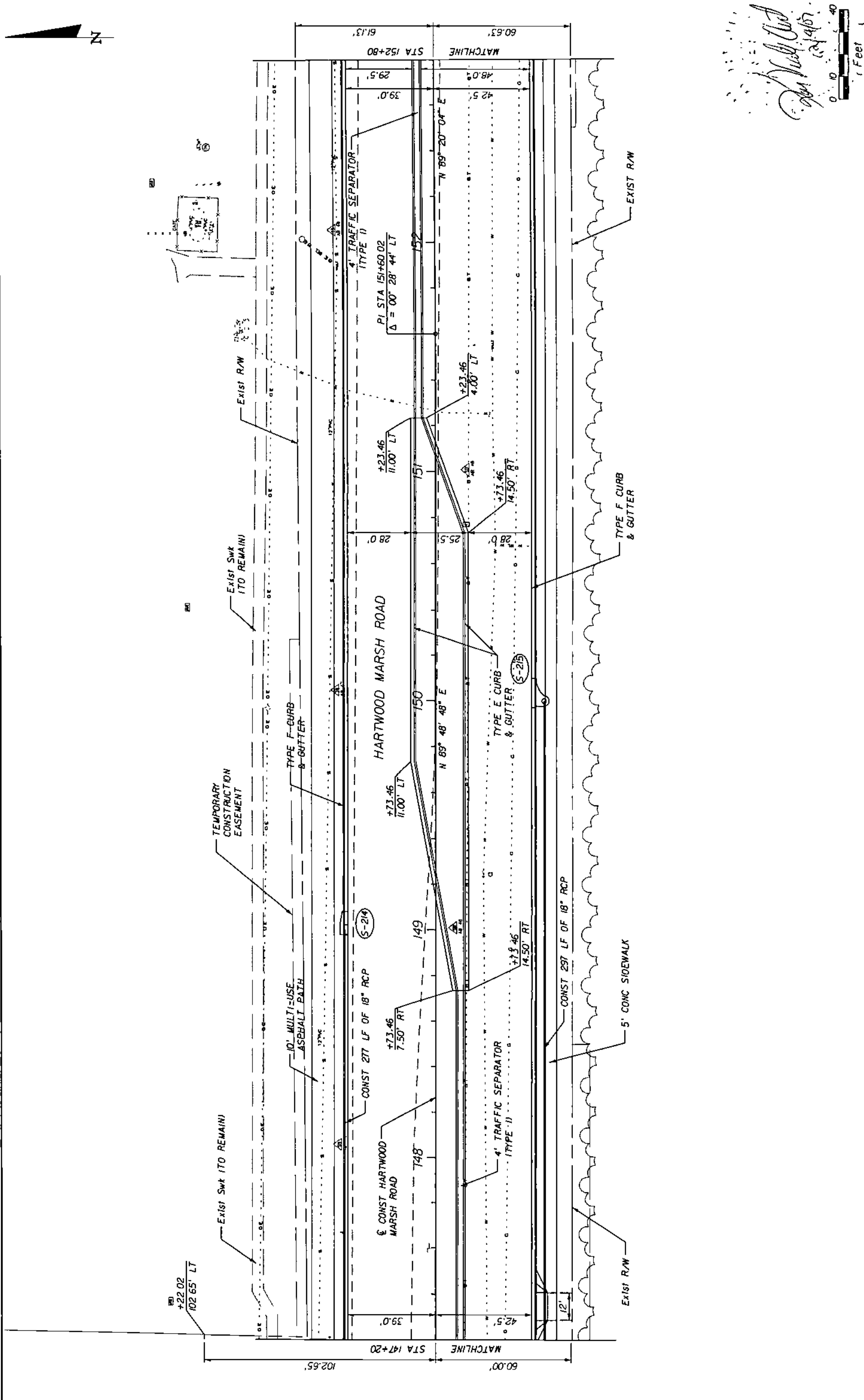
(S-211)  
 STA 145+75.12 (94.37 LT)  
 CONST CURB INLET P-2 (PART)  
 INDEX NO 210  
 INLET EL 143.85  
 FL 139.19 (BK) (EXIST)

(S-210)  
 STA 145+44.29 (94.70 LT)  
 CONST CURB INLET P-2 (PART)  
 INDEX NO 210  
 INLET EL 143.58  
 FL 138.84 (BK) (EXIST)  
 FL 138.91 (AN) (EXIST)

SEE INTERSECTION DETAILS  
 FOR ADDITIONAL INFORMATION



<b>HNTB</b> HNTB CORPORATION 300 PRIMA BLVD. SUITE 200 LAKE WALKER, FL 32746 (407) 805-0355 CERT. OF AUTH. NO. 6500 ENGINEER OF RECORD: KAREN M. VAN DEN BROEK, P.E. FL REGISTRATION NO. 14794		<b>LAKE COUNTY</b> FLORIDA	<b>HARTWOOD MARSH</b> <b>ROAD - PHASE I</b>	<b>PLAN SHEET</b> SHEET NO. <b>25</b>
DATE	BY	REVISIONS DESCRIPTION		

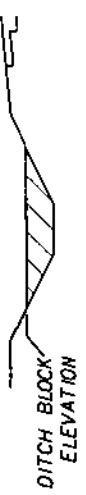
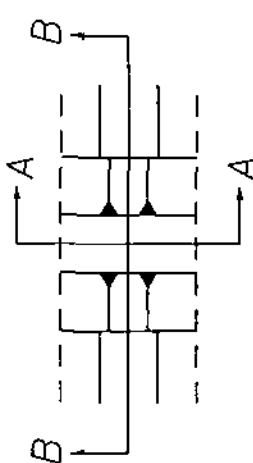


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 12/1/2007  
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 In:maradez

DATE		BY		REVISIONS DESCRIPTION	
<b>HNTB</b> HNTB CORPORATION 300 PRINERA BLVD. SUITE 200 LAKE MARY, FL 32746 (407) 805-0355 CERT. OF AUTH. NO. 6500 ENGINEER OF RECORD: KAREN M. VAN DEN BROUW, P.E. FL REGISTRATION NO. 44734					
LAKE COUNTY			FLORIDA		
HARTWOOD MARSH			ROAD - PHASE I		
PLAN SHEET			SHEET NO. 26		







DITCH BLOCK DETAILS

DITCH BLOCK INFORMATION		
RIGHT SIDE	LEFT SIDE	
STATION	STATION	ELEVATION OF BLOCK
156+50	156+50	150.8
157+00	157+00	149.45
157+50	157+50	147.6
158+00	158+00	145
158+50	158+50	141.6
159+00	159+00	138.9
159+50	159+50	136.3
160+00	160+00	134.3
160+50	160+50	132.2
160+75	160+75	131.2
161+00	161+00	130.5

END TRANSITION LT  
+90.00, 21.00' LT  
END WIDENING  
END MILLING AND RESURFACING  
STA 160+90.00

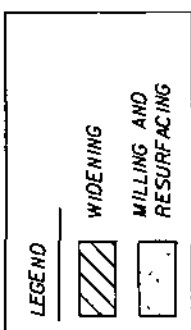
END PAVED SHOULDER  
+10.00, 19.96' LT

END PAVED SHOULDER  
+10.00, 2.89' RT

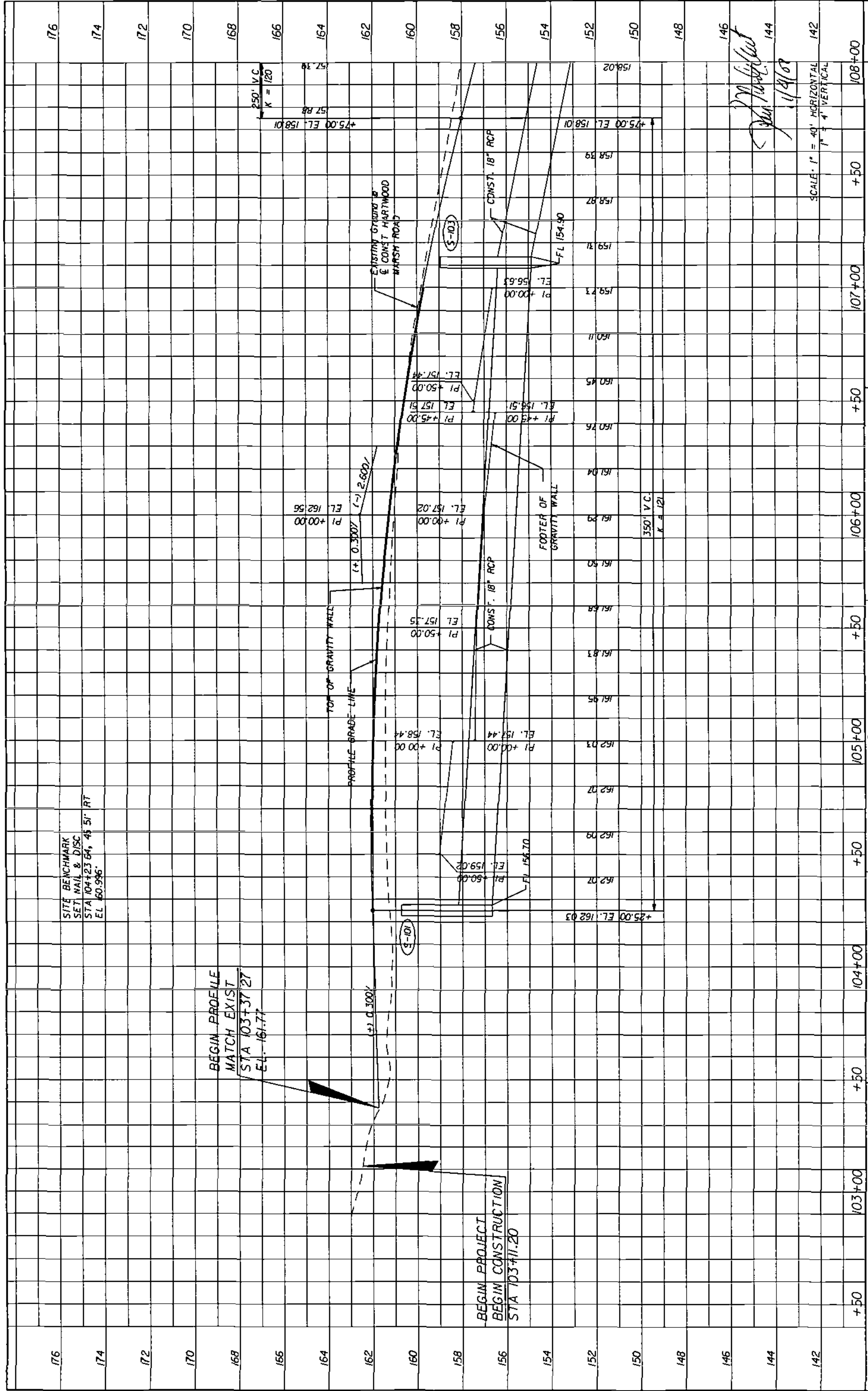
END TRANSITION RT  
+90.00, 3.00' RT

END SPECIAL DITCH RT  
+50.00, 25.00' RT

END CONSTRUCTION  
STA 161+50.00



<p><b>HNTB</b> ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E. FL REGISTRATION NO. 44794</p>		<p>LAKE COUNTY FLORIDA</p>	<p>HARTWOOD MARSH ROAD - PHASE I</p>	<p>PLAN SHEET</p>	<p>SHEET NO. 28</p>						
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		DATE	BY	DESCRIPTION				<p>12/17/2007 4:01:40 PM \\sml\00\smw\007\0005-4551-1\Drawings\16100000\Roadway\plan.dwg</p>			
DATE	BY	DESCRIPTION									



SITE BENCHMARK  
SET NAIL & DISC  
STA 104+23.64, 45 51' RT  
EL. 60.996'

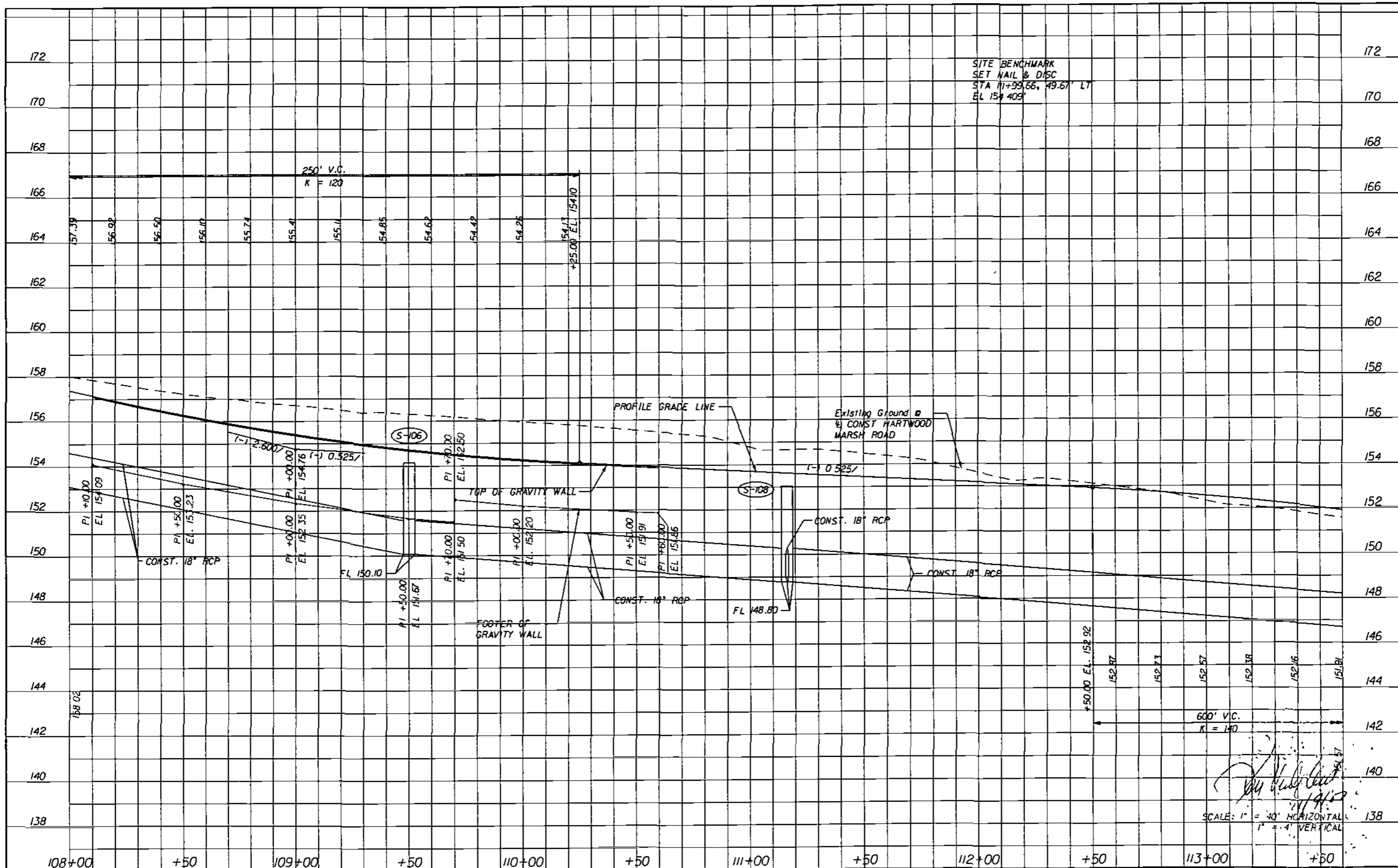
BEGIN PROFILE  
MATCH EXIST  
STA 103+37.27  
EL. 161.77

BEGIN PROJECT  
BEGIN CONSTRUCTION  
STA 103+11.20

DATE	BY	REVISIONS	DESCRIPTION

<p><b>HNTB</b> HNTB CORPORATION 300 PRIMA BLVD. SUITE 200 LAKE WARE, FL 32746 1407 805-0355 CERT. OF AUTH. NO. 5500 ENGINEER OF RECORD, KAREN M. VAN DEN AKONT, P.E. FL REGISTRATION NO. 44794</p>		<p>LAKE COUNTY FLORIDA</p>	<p>HARTWOOD MARSH ROAD - PHASE I</p>	<p>PROFILE SHEET HARTWOOD MARSH ROAD</p>	<p>SHEET NO 29</p>
--	--	--------------------------------	--	--	----------------------------



SITE BENCHMARK  
 SET NAIL & DISC  
 STA 11+99.66, 49.67' LT  
 EL 154.409'

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

REVISIONS	
DATE	DESCRIPTION

**HNTB**  
 HNTB CORPORATION  
 300 PRIMERIA BLVD.  
 SUITE 200  
 LAKE MARY, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500

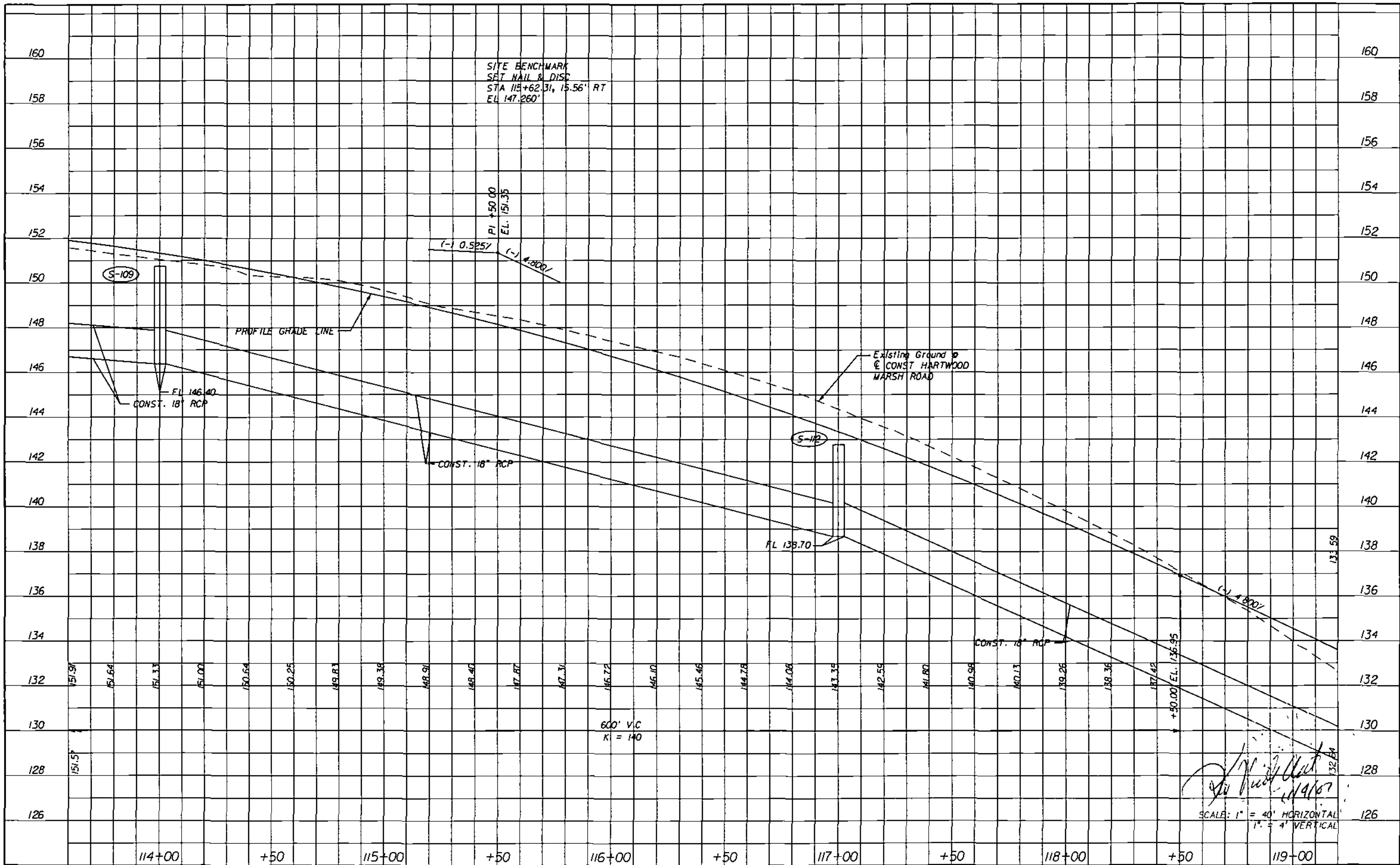
ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E.  
 FL. REGISTRATION NO. 44794



**HARTWOOD MARSH  
 ROAD - PHASE I**

**PROFILE SHEET  
 HARTWOOD MARSH ROAD**

SHEET NO.  
**30**



SITE BENCHMARK  
SET NAIL & DISC  
STA 115+62.31, 15.56' RT  
EL 147.260'

PI +50.00  
EL 151.35

(-) 0.525% (-) 4.800%

PROFILE GRADE LINE

Existing Ground &  
CONST HARTWOOD  
MARSH ROAD

FL 146.40  
CONST. 18" RCP

CONST. 18" RCP

FL 138.70

CONST. 10" RCP

600' V.C  
K = 140

*[Signature]*  
11/4/07

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

DATE	BY	REVISIONS DESCRIPTION

**HNTB**  
HNTB CORPORATION  
300 PRIMA BLVD,  
SUITE 200  
LAKE MARY, FL 32746  
(407) 805-0355  
CERT OF AUTH NO 6500  
ENGINEER OF RECORD. KAREN M VAN DEN AVONT, P.E.  
FL REGISTRATION NO 44794



**HARTWOOD MARSH  
ROAD - PHASE I**

**PROFILE SHEET  
HARTWOOD MARSH ROAD**

SHEET NO.  
**31**

DATE BY

REVISIONS DESCRIPTION

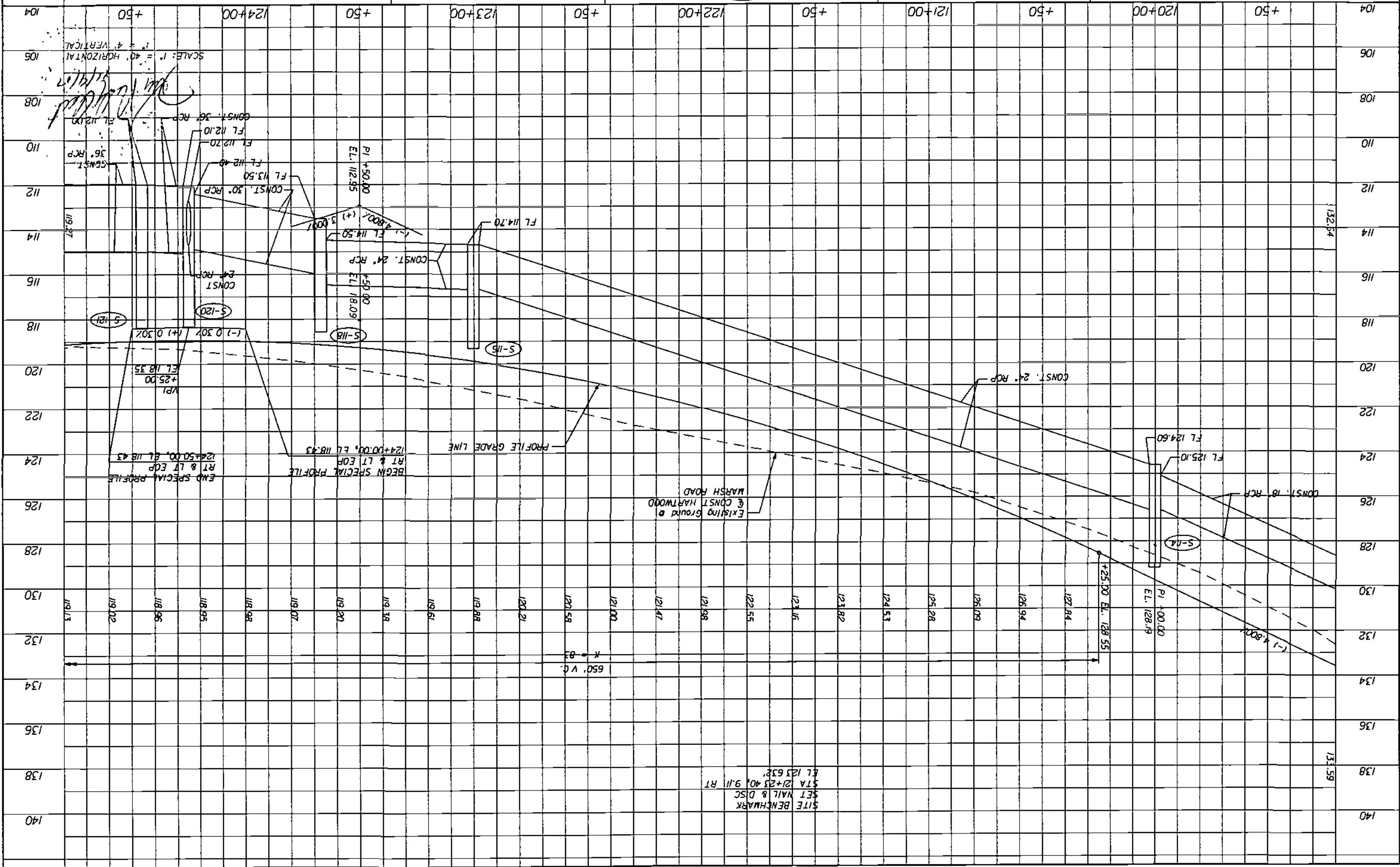
**HNTB**  
 HNTB CORPORATION  
 300 PRIMA BLVD.  
 SUITE 200  
 LAKE WORTH, FL 32746  
 (407) 905-0355  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD  
 KAREN N. VAN DEN AVONT, P.E.  
 F.L. REGISTRATION NO. 44794

FLORIDA  
**LAKE COUNTY**

**HARTWOOD MARSH  
 ROAD - PHASE I**

**PROFILE SHEET  
 HARTWOOD MARSH ROAD**

SHEET NO. **32**



DATE \_\_\_\_\_ BY \_\_\_\_\_

REVISIONS

**HNTB**

HNTB CORPORATION  
300 PALMER BLVD.  
SUITE 200  
LAKE WARE, FL 32746  
(407) 805-0255  
CERT. OF AUTH. NO. 6500  
ENGINEER OF RECORD: KAREN A VAN DEN ADRIJT, P.E.  
FL REGISTRATION NO. 44794

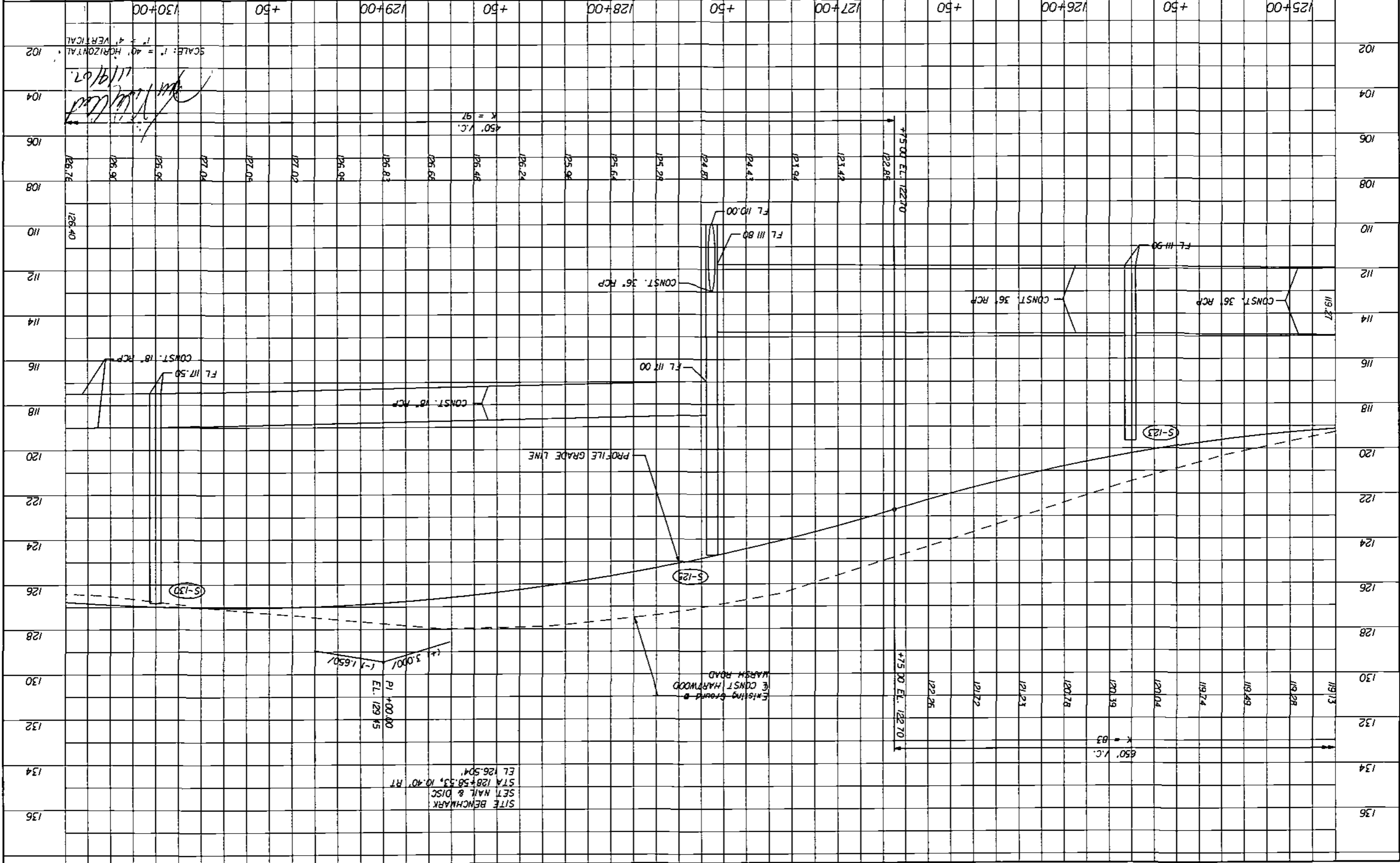
LAKE COUNTY  
FLORIDA

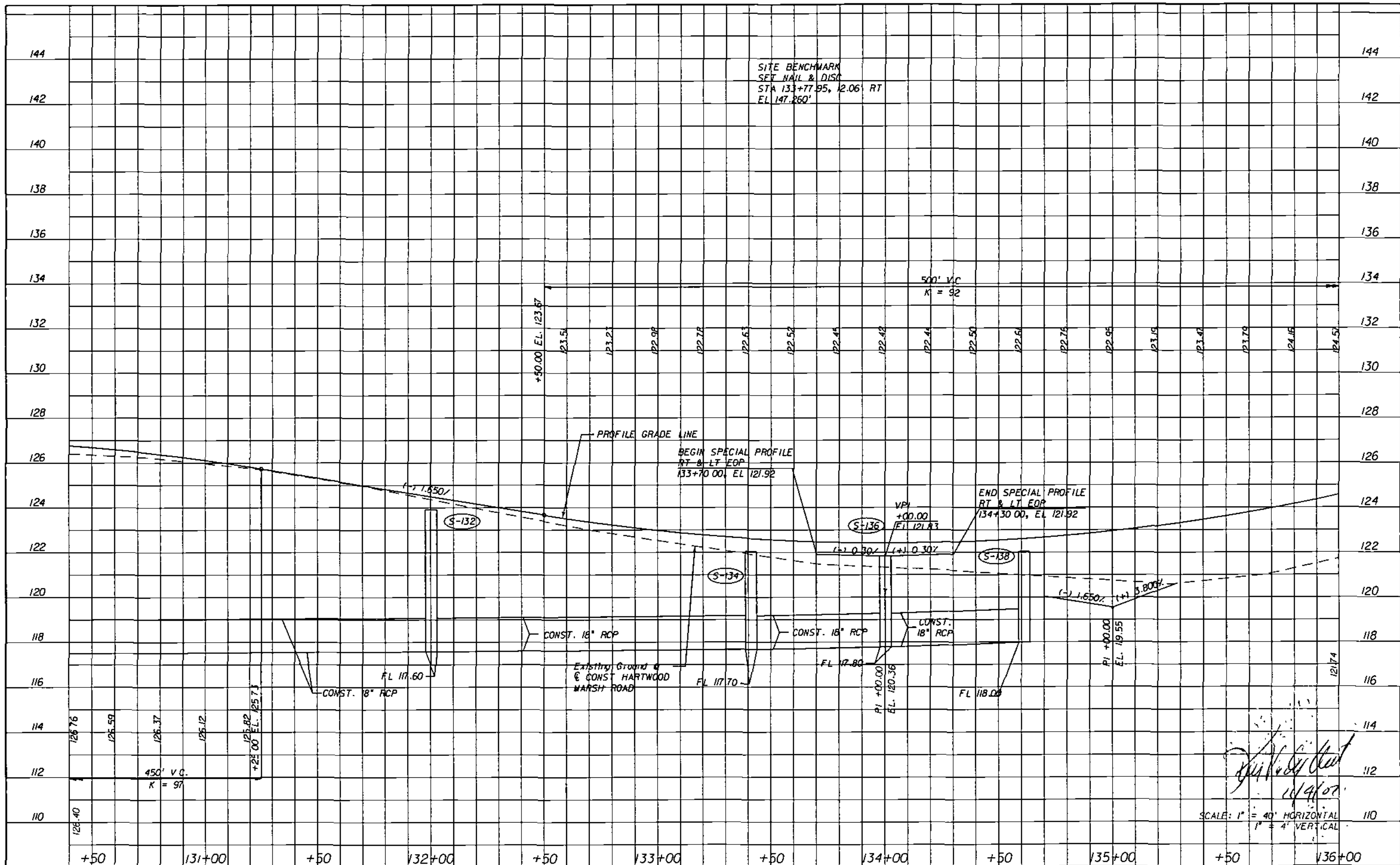
**HARTWOOD MARSH ROAD - PHASE I**

**PROFILE SHEET  
HARTWOOD MARSH ROAD**

SHEET NO. 33

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SITE BENCHMARK  
SET NAIL & DISC  
STA 133+77.95, 2.06' RT  
EL. 147.260'

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

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

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

*[Handwritten Signature]*  
11/4/07

REVISIONS	
DATE	DESCRIPTION

**HNTB**  
HNTB CORPORATION  
300 PRIMA BLVD,  
SUITE 200  
LAKE HAVY, FL 32746  
(407) 805-0355  
CERT. OF AUTH. NO. 6500  
ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E.  
FL REGISTRATION NO. 44794



**HARTWOOD MARSH  
ROAD - PHASE I**

**PROFILE SHEET  
HARTWOOD MARSH ROAD**

SHEET NO.  
**34**

DATE BY

REVISIONS DESCRIPTION

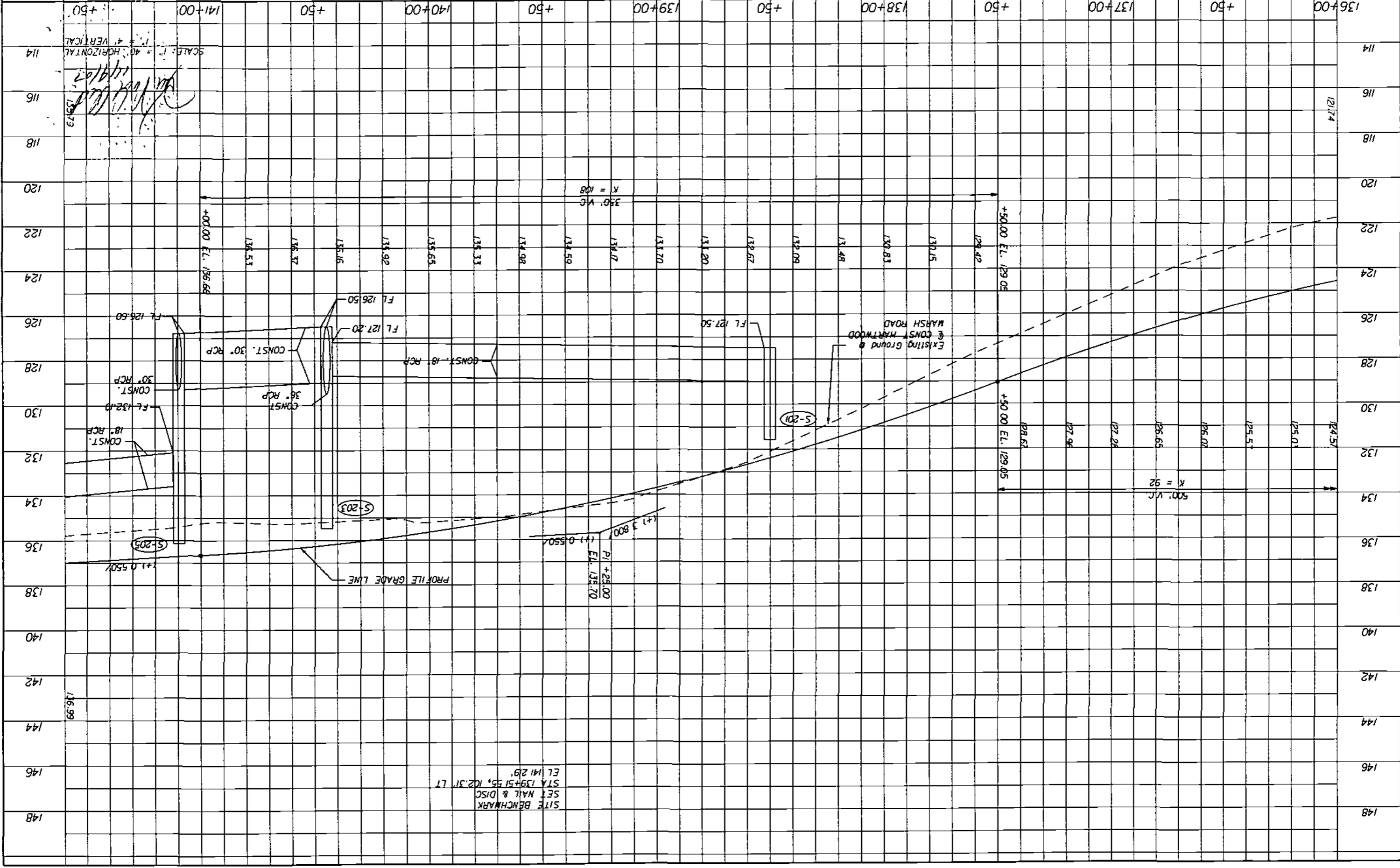
**HNTB**  
 HNTB CORPORATION  
 300 PRIMERIA BLVD,  
 SUITE 200  
 LAKE WORTH, FL 32746  
 (407) 805-0355  
 CENT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD KAREN W. VAN DEN AVONT, P.E.  
 FL REGISTRATION NO. 44794

LAKE COUNTY  
 FLORIDA

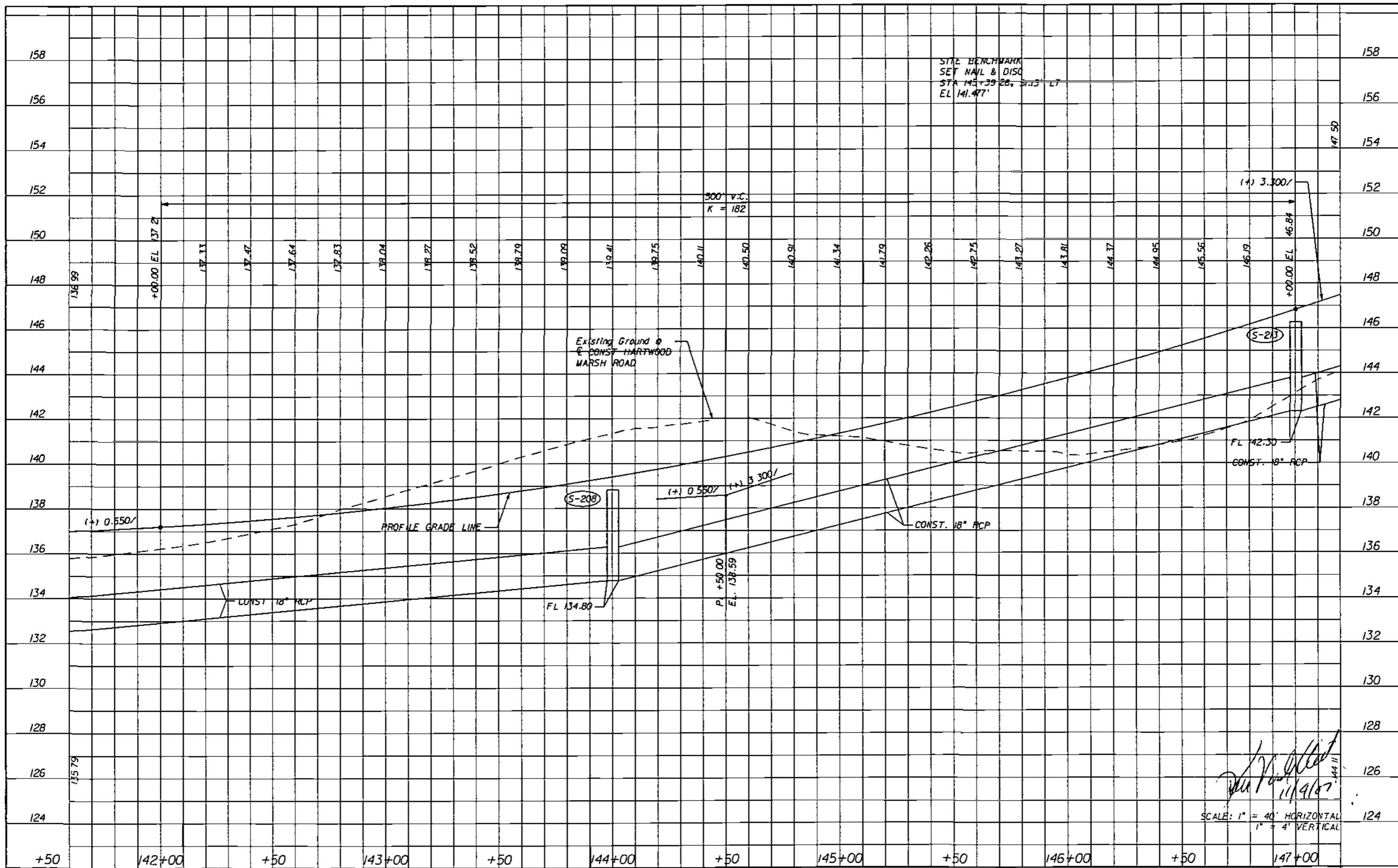
HARTWOOD MARSH  
 ROAD - PHASE I

PROFILE SHEET  
 HARTWOOD MARSH ROAD

SHEET NO. 35







SITE BENCHMARK  
 SET NAIL & DISC  
 STA 142+39.26, 31.13 LT  
 EL 141.47'

Existing Ground @  
 CONST HARTWOOD  
 MARSH ROAD

PROFILE GRADE LINE

CONST. 18" RCP

CONST. 18" RCP

FL 134.80

P +50.00  
 EL. 138.59

FL 142.30  
 CONST. 18" RCP

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

*[Signature]*  
 11/9/07

REVISIONS	
DATE	DESCRIPTION

**HNTB**  
 HNTB CORPORATION  
 300 PRIMA BLVD.  
 SUITE 200  
 LAKE WARY, FL 32746  
 (407) 805-0355  
 CERT OF AUTH NO 6500  
 ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E.  
 FL REGISTRATION NO 44794

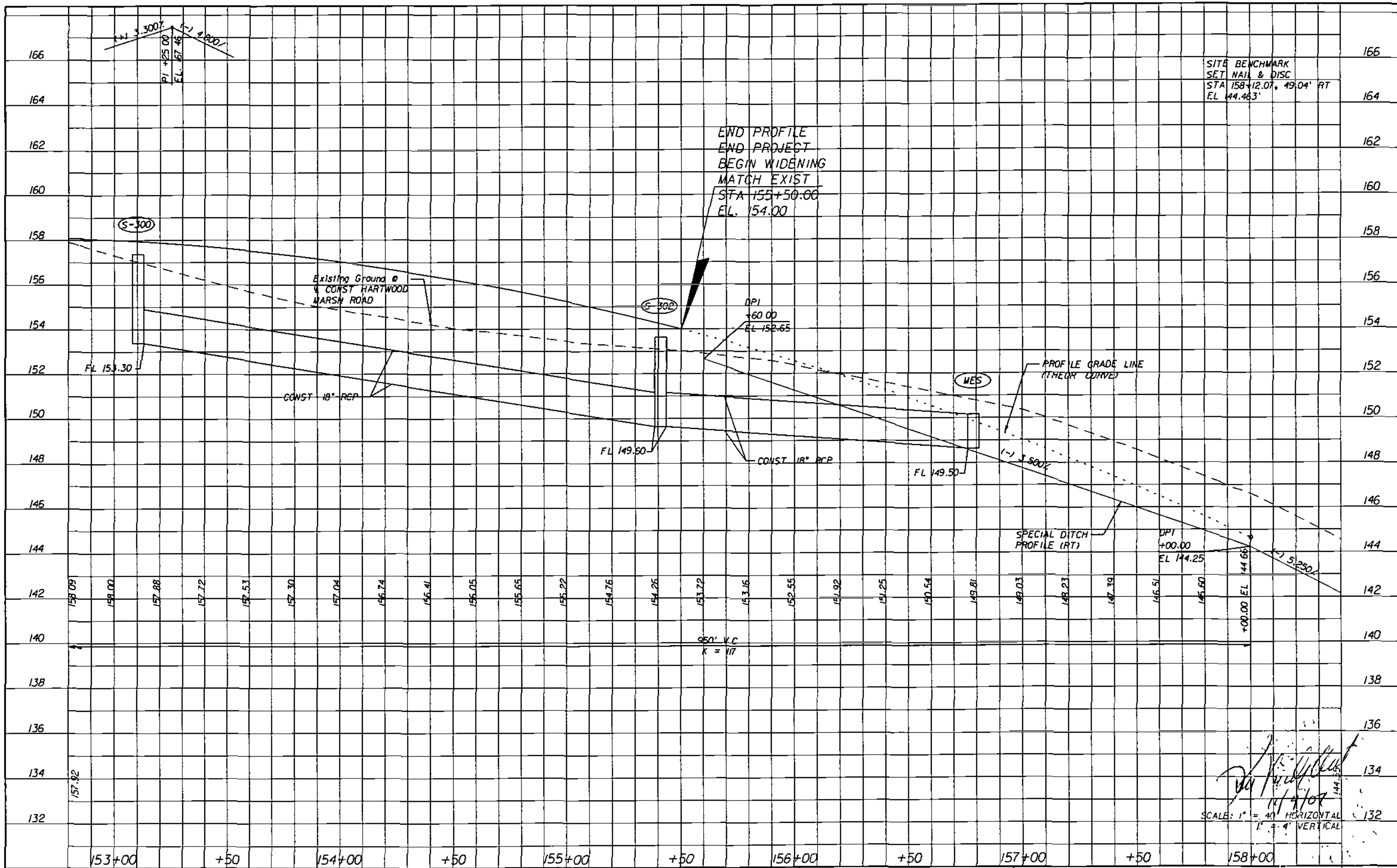


**HARTWOOD MARSH  
 ROAD - PHASE I**

**PROFILE SHEET  
 HARTWOOD MARSH ROAD**

SHEET NO  
**36**





SITE BENCHMARK  
SET NAIL & DISC  
STA 158+12.07, 49.04' RT  
EL 44.463'

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

*[Signature]*  
11/14/07  
SCALE: 1" = 40' HORIZONTAL  
1" = 4' VERTICAL

REVISIONS	
DATE	DESCRIPTION

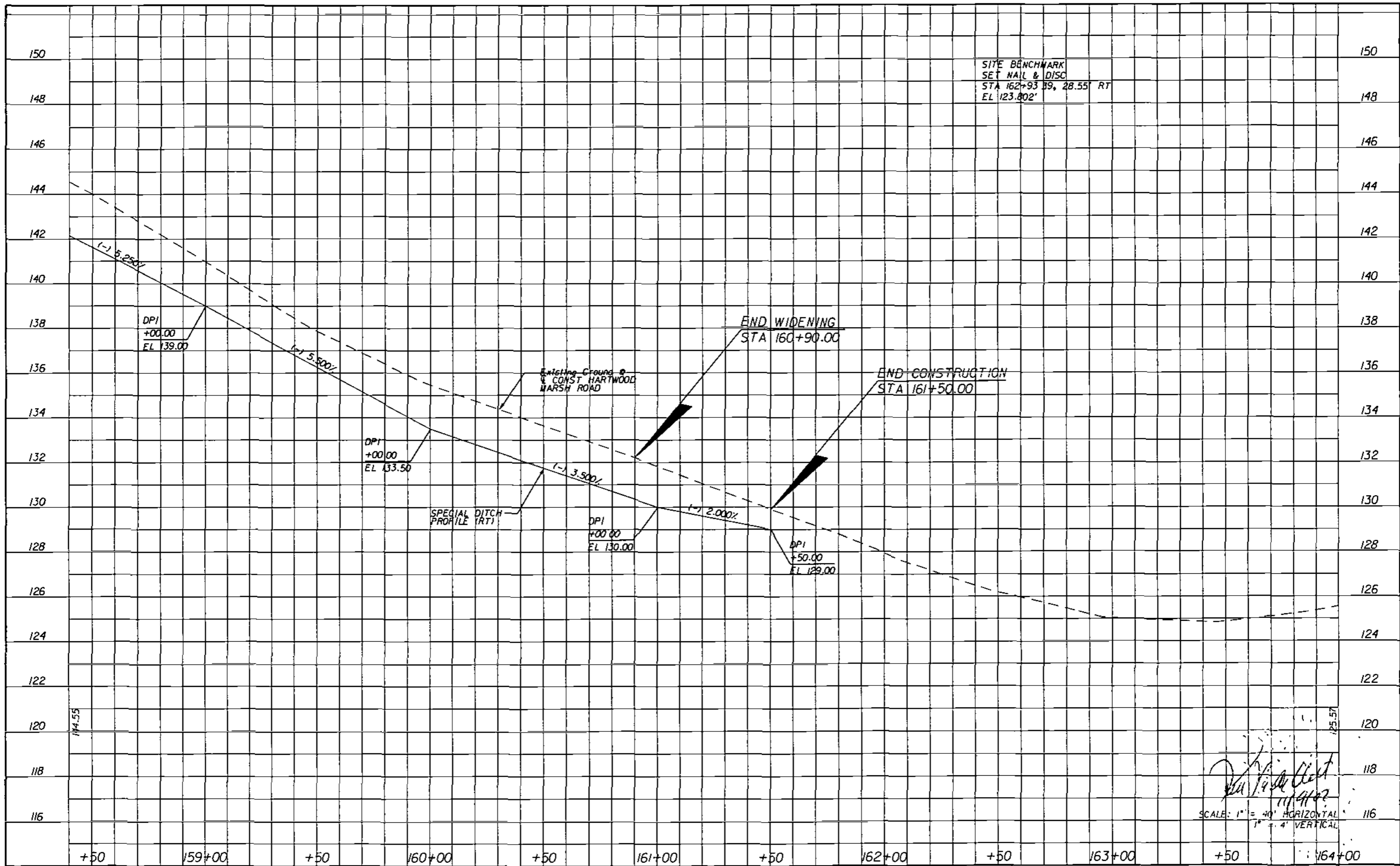
**HNTB**  
HNTB CORPORATION  
300 PRIMA BLVD,  
SUITE 200  
LAKE WARY, FL 32746  
(407) 805-0355  
CERT OF AUTH NO 6500  
ENGINEER OF RECORD KAREN M VAN DEN AVONT, P.E.  
FL REGISTRATION NO 44794



**HARTWOOD MARSH  
ROAD - PHASE I**

**PROFILE SHEET  
HARTWOOD MARSH ROAD**

SHEET NO  
**38**



SITE BENCHMARK  
 SET NAIL & DISC  
 STA 162+93.59, 28.55' RT  
 EL 123.802'

*[Signature]*  
 11/1/07  
 SCALE: 1" = 40' HORIZONTAL  
 1" = 4' VERTICAL

REVISIONS	
DATE	DESCRIPTION

**HNTB**  
 HNTB CORPORATION  
 300 PRIMA BLVD,  
 SUITE 200  
 LAKE WARE, FL 32746  
 (407) 805-0355  
 CERT OF AUTH NO 6500  
 ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E.  
 FL REGISTRATION NO 44794



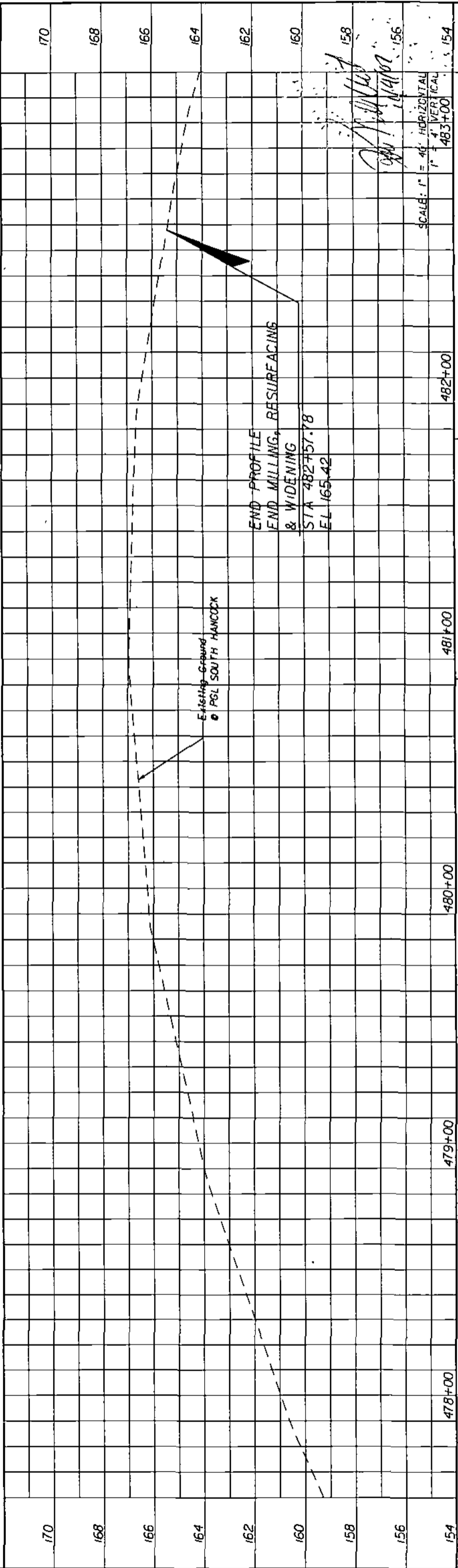
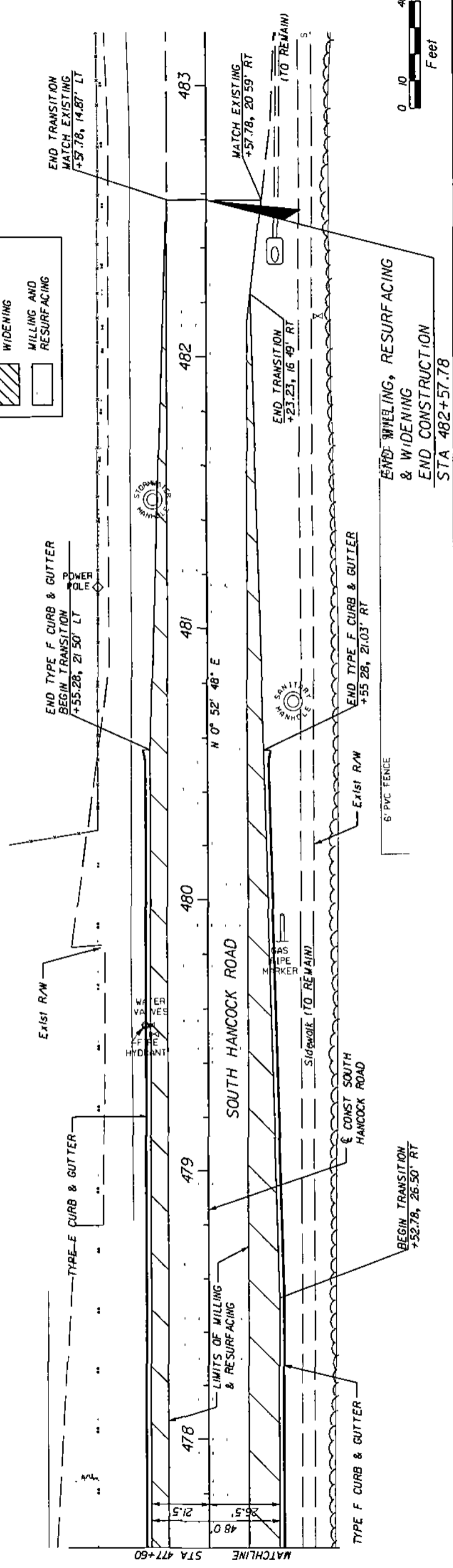
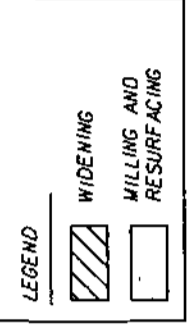
**HARTWOOD MARSH  
 ROAD - PHASE I**

**PROFILE SHEET  
 HARTWOOD MARSH ROAD**

SHEET NO.  
**39**



Z



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

DATE	BY	REVISIONS DESCRIPTION

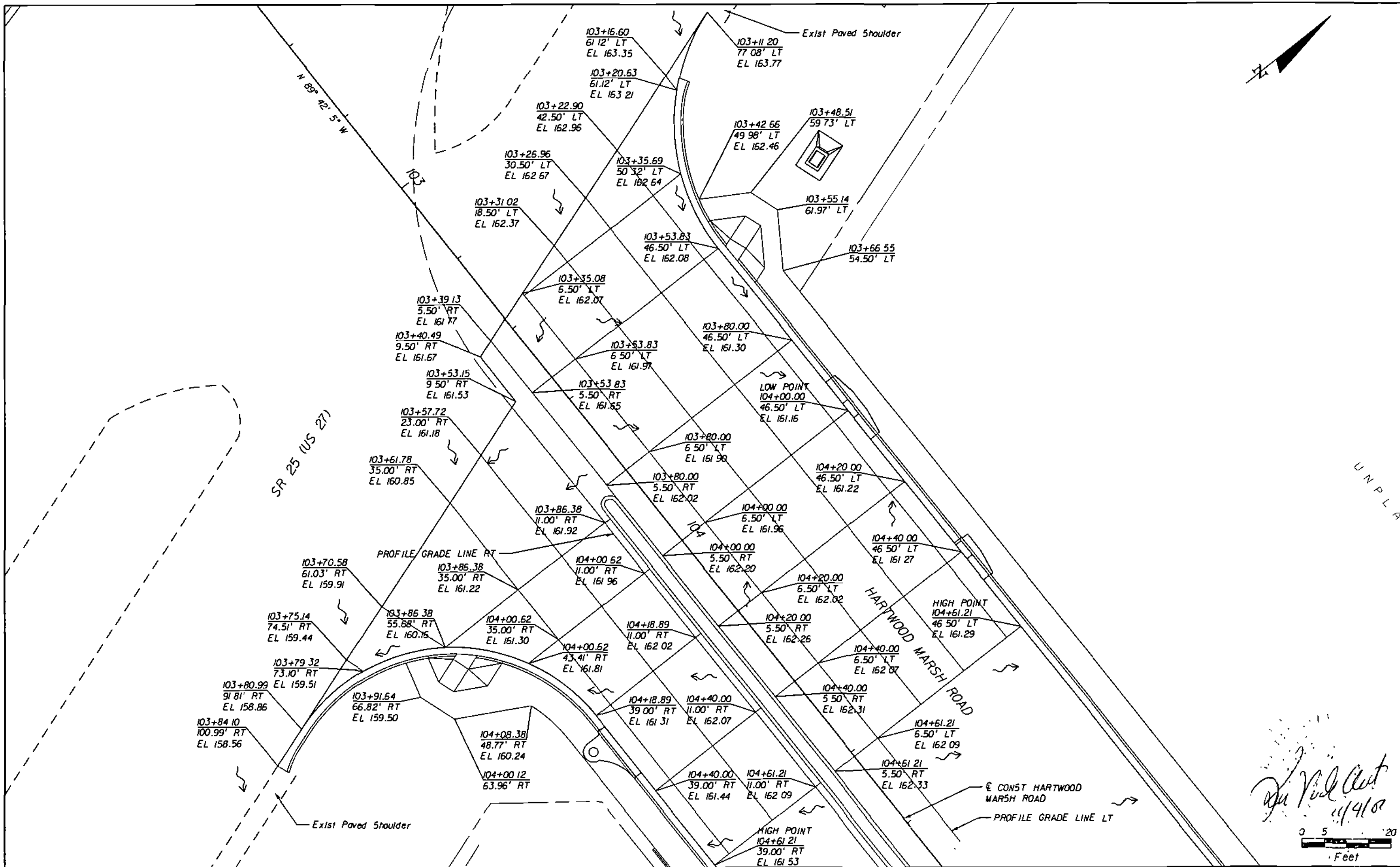
478+00		
479+00		
480+00		
481+00		
482+00		

170	
168	
166	
164	
162	
160	
158	
156	
154	

HNTB CORPORATION 300 PRINCEA BLVD. SUITE 200 LAKE MARY, FL 32746 1-801-805-0355 CERT. OF AUTH. NO. 6500 ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E. FL REGISTRATION NO. 14754		LAKE COUNTY FLORIDA	HARTWOOD MARSH ROAD - PHASE I	PLAN AND PROFILE SOUTH HANCOCK ROAD	SHEET NO. 41
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REVISIONS	
DATE	DESCRIPTION

**HNTB**  
 HNTB CORPORATION  
 300 PRIMA BLVD.  
 SUITE 200  
 LAKE MARY, FL 32746  
 (407) 805-0355  
 CERT OF AUTH NO 6500

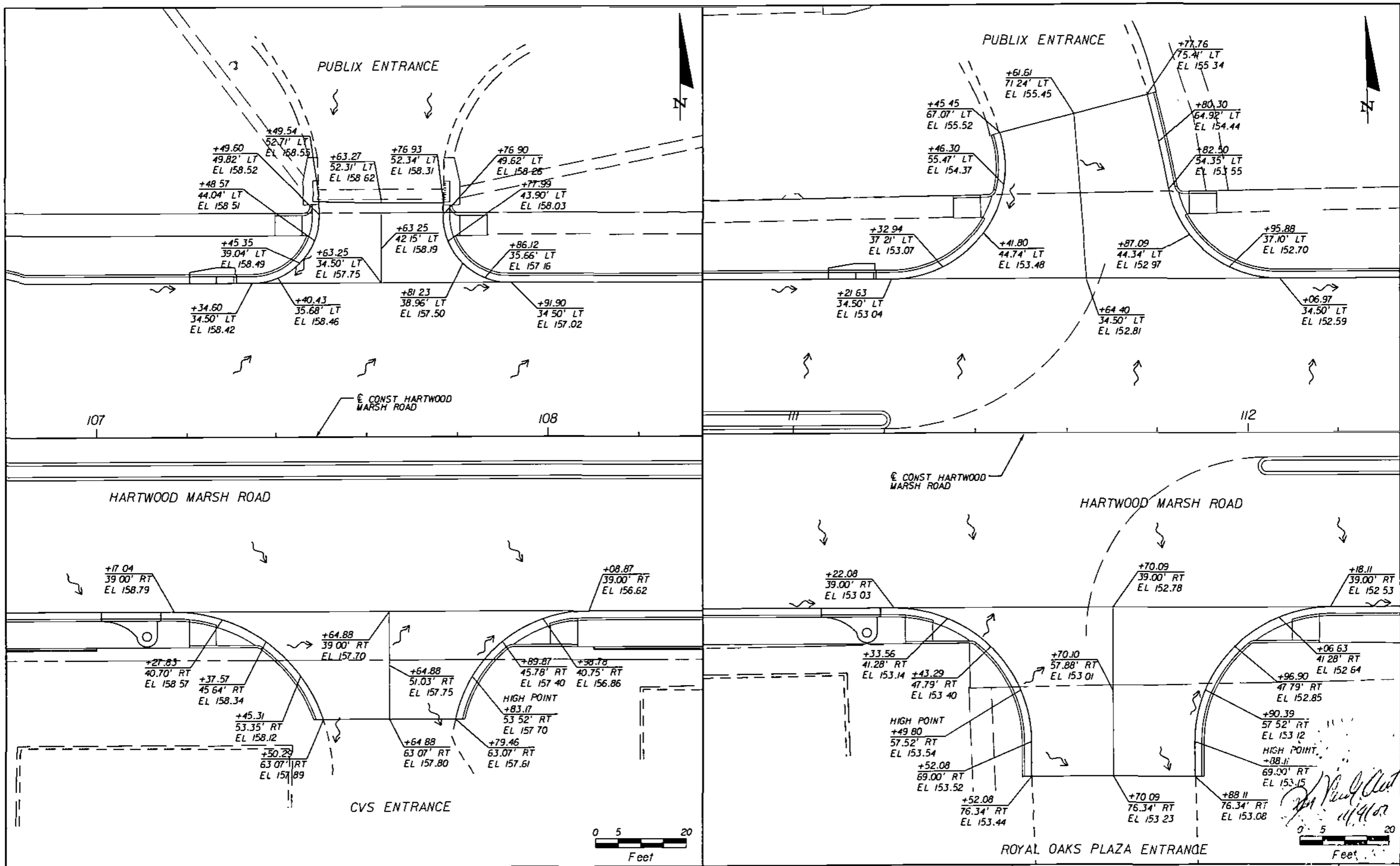
ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E.  
 FL REGISTRATION NO 44794



**HARTWOOD MARSH  
ROAD - PHASE I**

**INTERSECTION DETAILS**

SHEET NO  
**42**



REVISIONS	
DATE	DESCRIPTION

**HNTB**  
 HNTB CORPORATION  
 300 PRINCEA BLVD,  
 SUITE 200  
 LAKE WARE, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500

ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E.  
 FL REGISTRATION NO. 44794

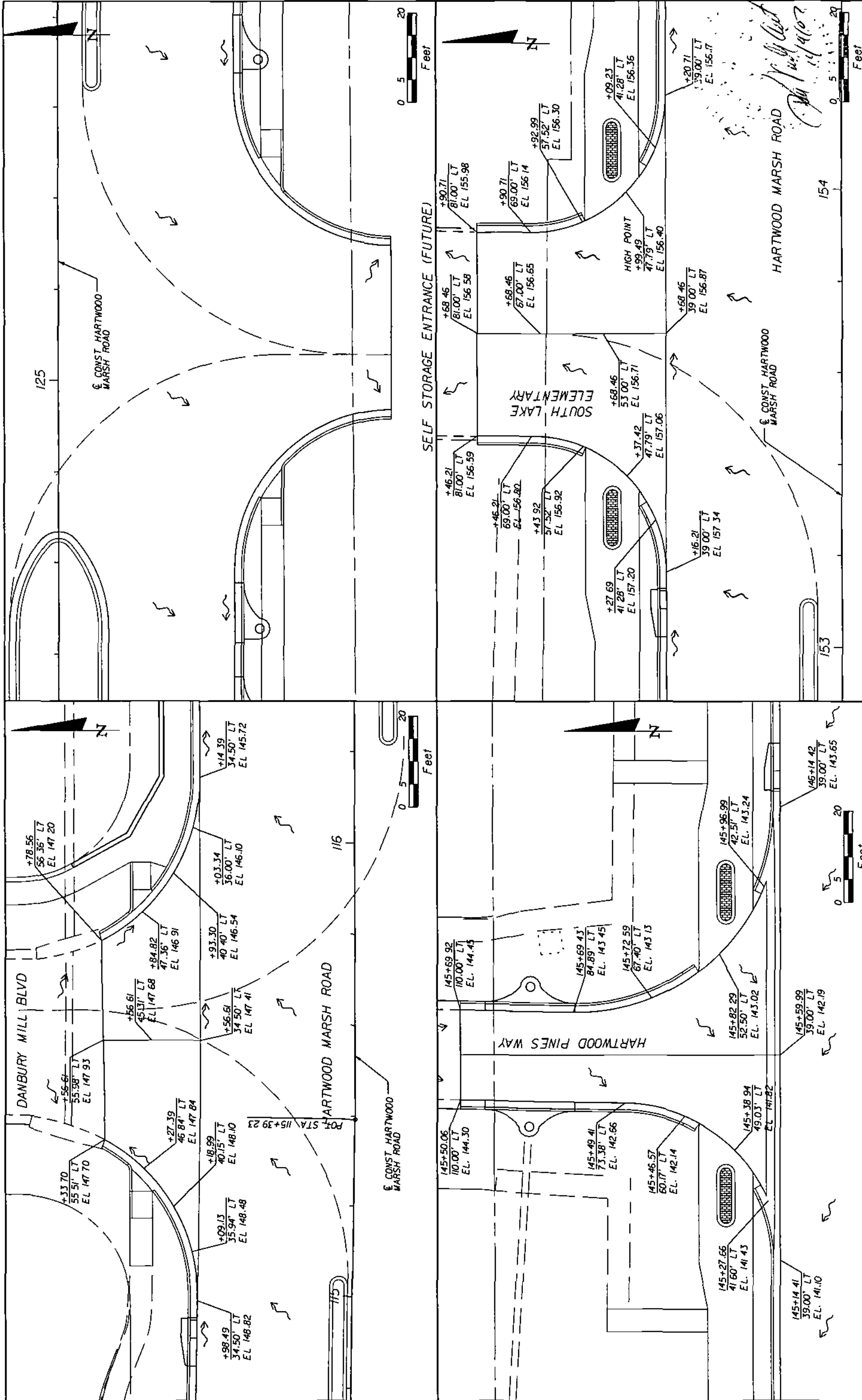


**HARTWOOD MARSH ROAD - PHASE I**

**INTERSECTION DETAILS**

SHEET NO.  
**43**





REVISIONS		DATE	BY	DESCRIPTION
NO.	DATE			

<b>HNTB</b> HNTB CORPORATION 300 PRIMA BLVD. SUITE 200 LAKE MARY, FL 32746 (407) 865-0355 CERT. OF AUTH. NO. 6500		ENGINEER OF RECORD: KAREN M. VAN DEN MONT, P.E. FL REGISTRATION NO. 14794
 <b>LAKE COUNTY</b> FLORIDA		
<b>HARTWOOD MARSH ROAD - PHASE I</b>		
<b>INTERSECTION DETAILS</b>		
SHEET NO.		44

ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E.  
 FL REGISTRATION NO. 44794  
 HNTB CORPORATION  
 300 PRIMAVERA BLVD.  
 SUITE 200  
 LAKE WARE, FL 32246  
 (407) 805-0355  
 CENT. OF MATH. NO. 6500

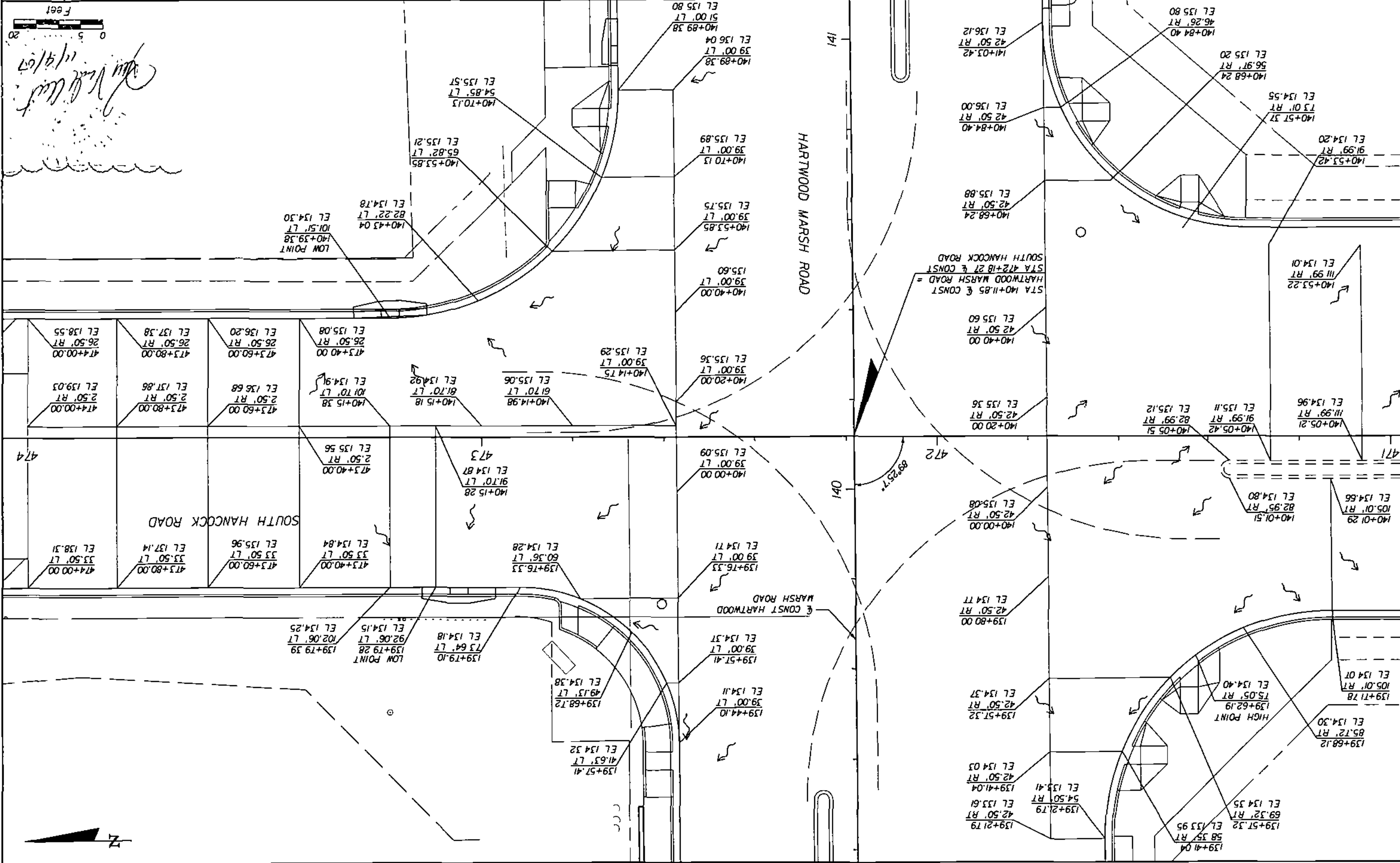
LAKE COUNTY  
 FLORIDA

HARTWOOD MARSH  
 ROAD - PHASE I

INTERSECTION DETAILS

475  
 SHEET NO.

DATE	BY	DESCRIPTION



DATE	BY	DESCRIPTION

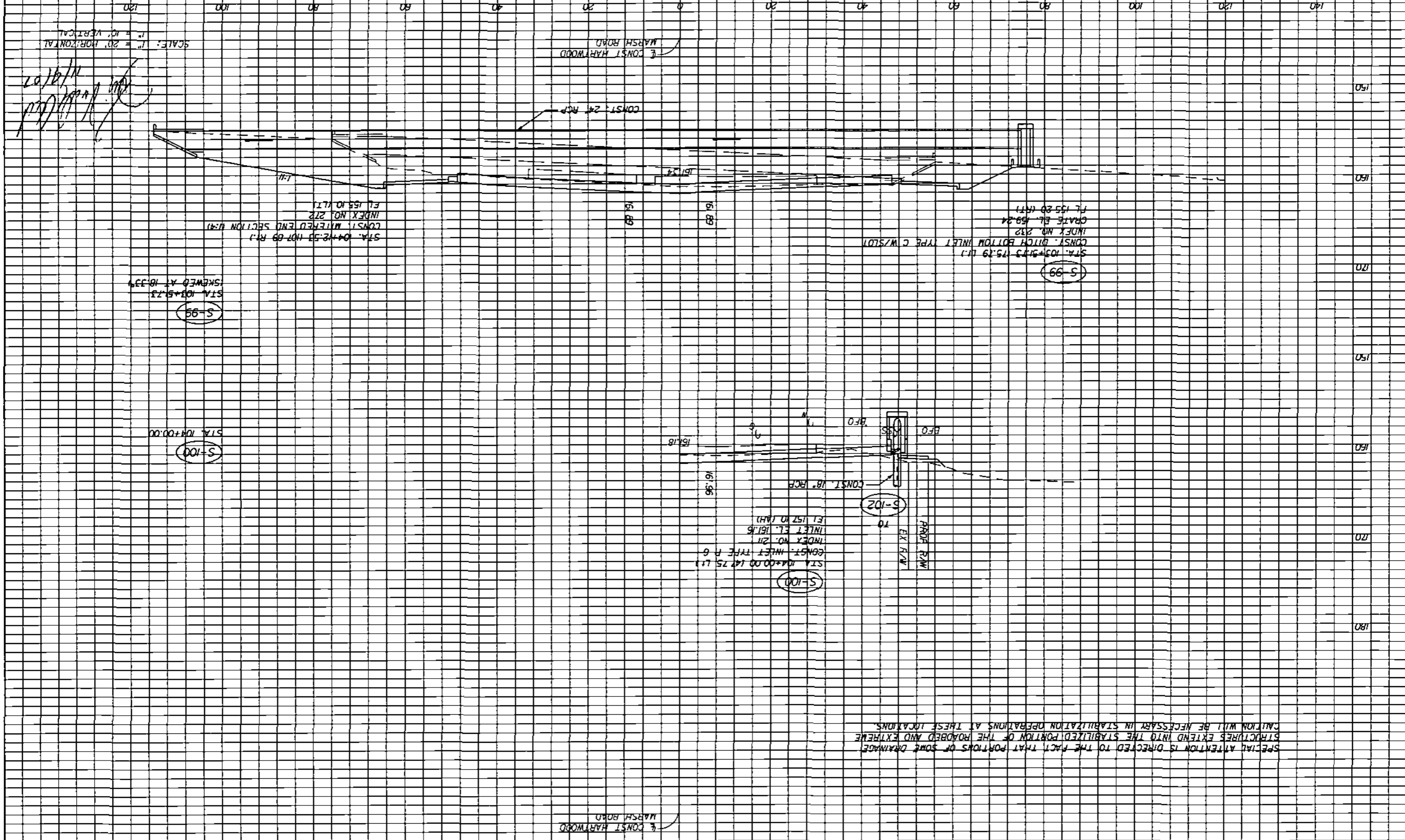
**HNTB**  
 HNTB CORPORATION  
 300 PRINCEA BLVD.  
 SUITE 200  
 LAKE WALKER, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 5500  
 ENGINEER OF RECORD, KAREN N. VAN DEN AVONT, P.E.  
 FL REGISTRATION NO. 44794

LAKE COUNTY  
 FLORIDA

HARTWOOD MARSH ROAD

DRAINAGE STRUCTURE SECTIONS  
 HARTWOOD MARSH ROAD

SHEET NO. 110



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

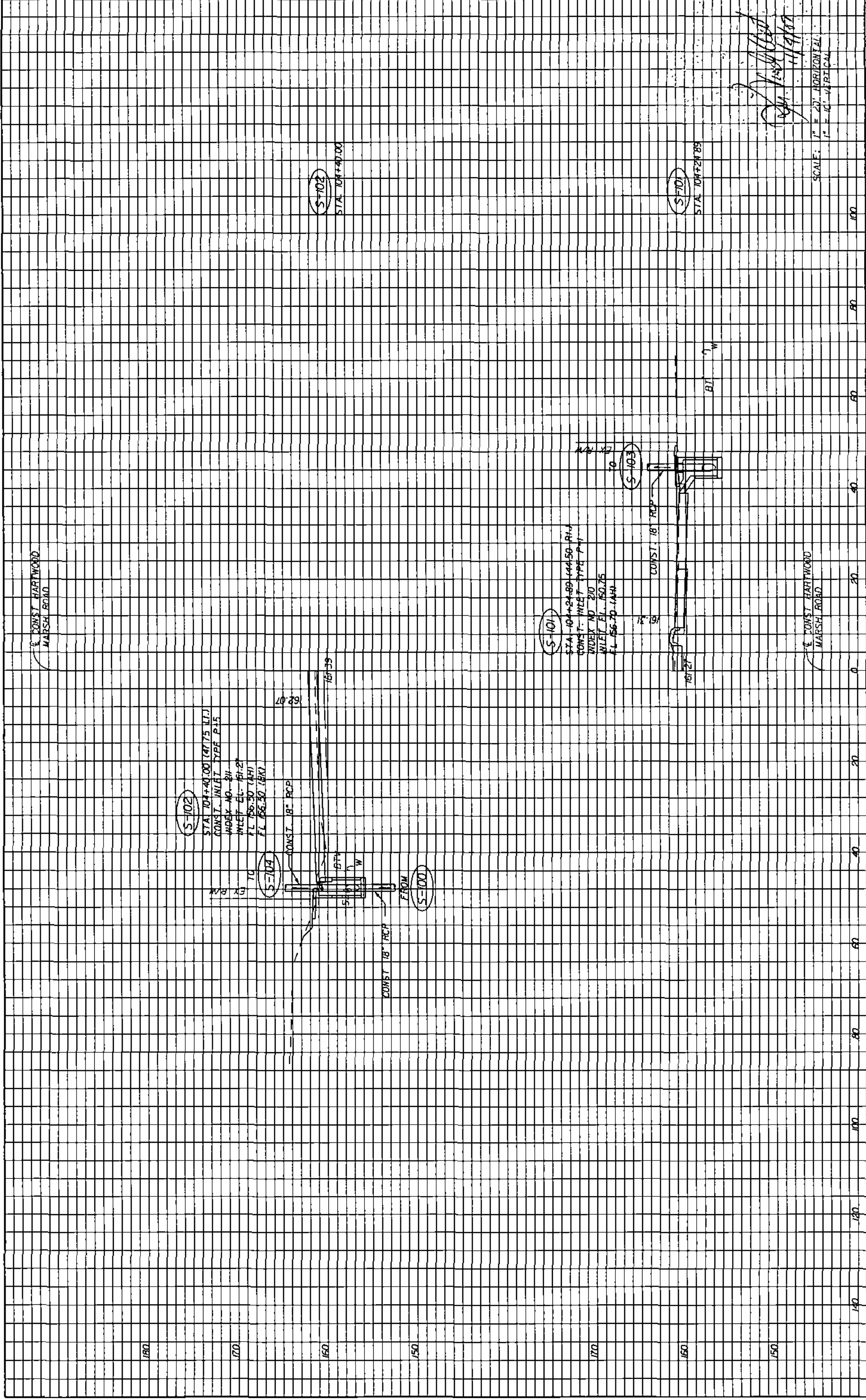
STA. 104+25.5 (107.09 R.I.)  
 CONST. MIXED END SECTION (R-4)  
 INDEX NO. 272  
 ELEV. 155.10 (R.I.)

STA. 103+91.3  
 SKRWD AT 10.33'

STA. 104+00.0 (147.75 L.I.)  
 CONST. INLET TYPE R 6  
 INDEX NO. 281  
 INLET E.L. 161.16  
 ELEV. 157.16 (R.H.)

STA. 103+91.3 (75.29 L.I.)  
 CONST. DITCH BOTTOM INLET TYPE C/W/5/01  
 INDEX NO. 232  
 GRATE E.L. 159.24  
 ELEV. 155.20 (R.I.)

CONST. HARTWOOD MARSH ROAD



REVISIONS		DATE		BY		DESCRIPTION	

<b>HNTB</b> HNTB CORPORATION 300 PRIMA BLDG, SUITE 200 LAKE HAVY, FL 32746 (407) 805-0355 CERT. OF AUTH. NO. 5500 ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E. FL REGISTRATION NO 44794		LAKE COUNTY FLORIDA	HARTWOOD MARSH ROAD	DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD	SHEET NO. 47
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48

SHEET NO.

# DRAINAGE STRUCTURE SECTIONS

# HARTWOOD MARSH ROAD

# LAKE COUNTY

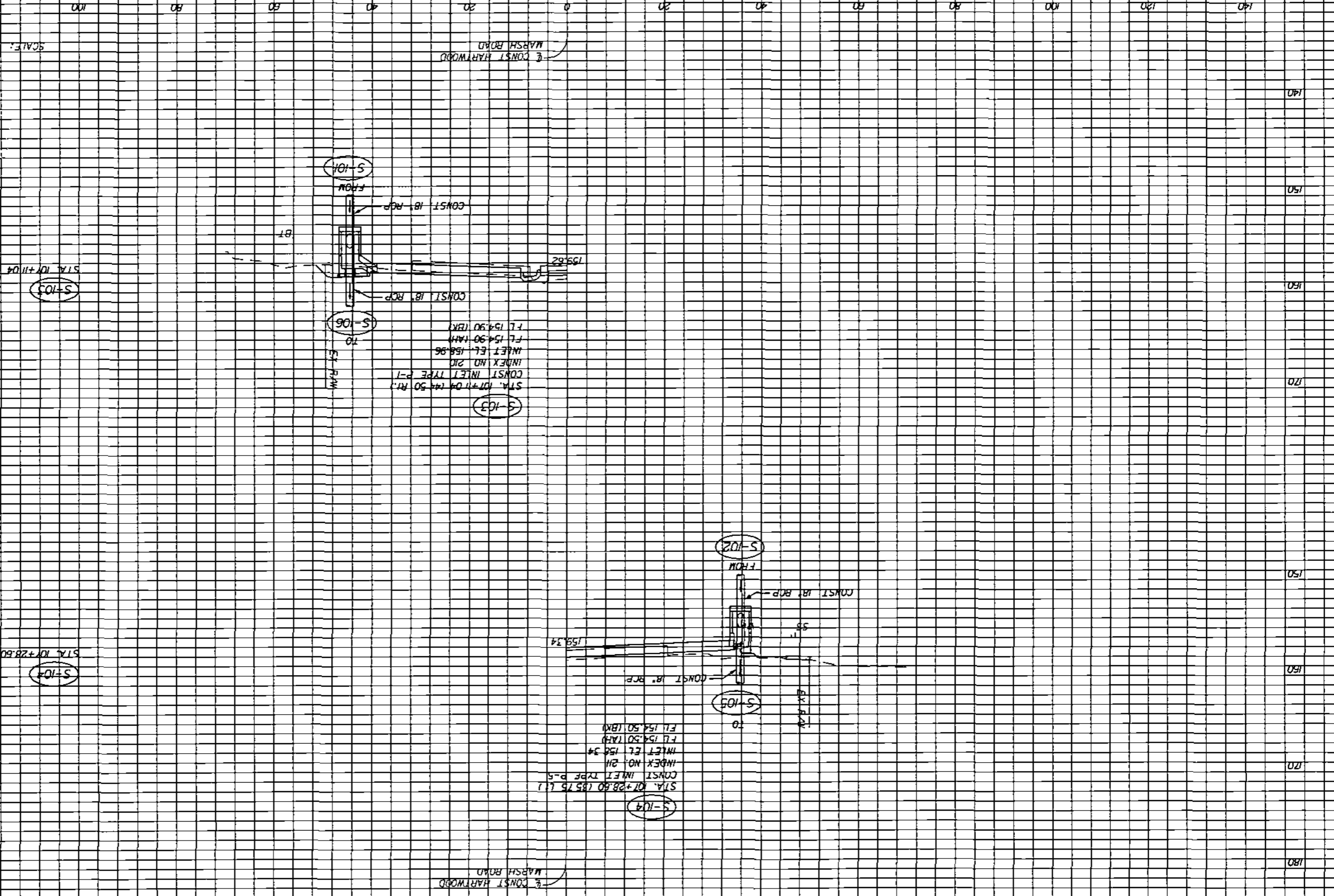


**HNTB**  
 HNTB CORPORATION  
 300 PRINCEY BLVD.  
 LAKE WALKER, FL 32746  
 (407) 805-0355  
 CENT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD: KAREN M. VAN DEN BROEK, P.E.  
 FL. REGISTRATION NO. 44794

DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 DESCRIPTION \_\_\_\_\_

REVISIONS

SCALE: 1" = 20' HORIZONTAL  
 1" = 10' VERTICAL  
 10/16/11  
 [Signature]



CONST. HARTWOOD MARSH ROAD

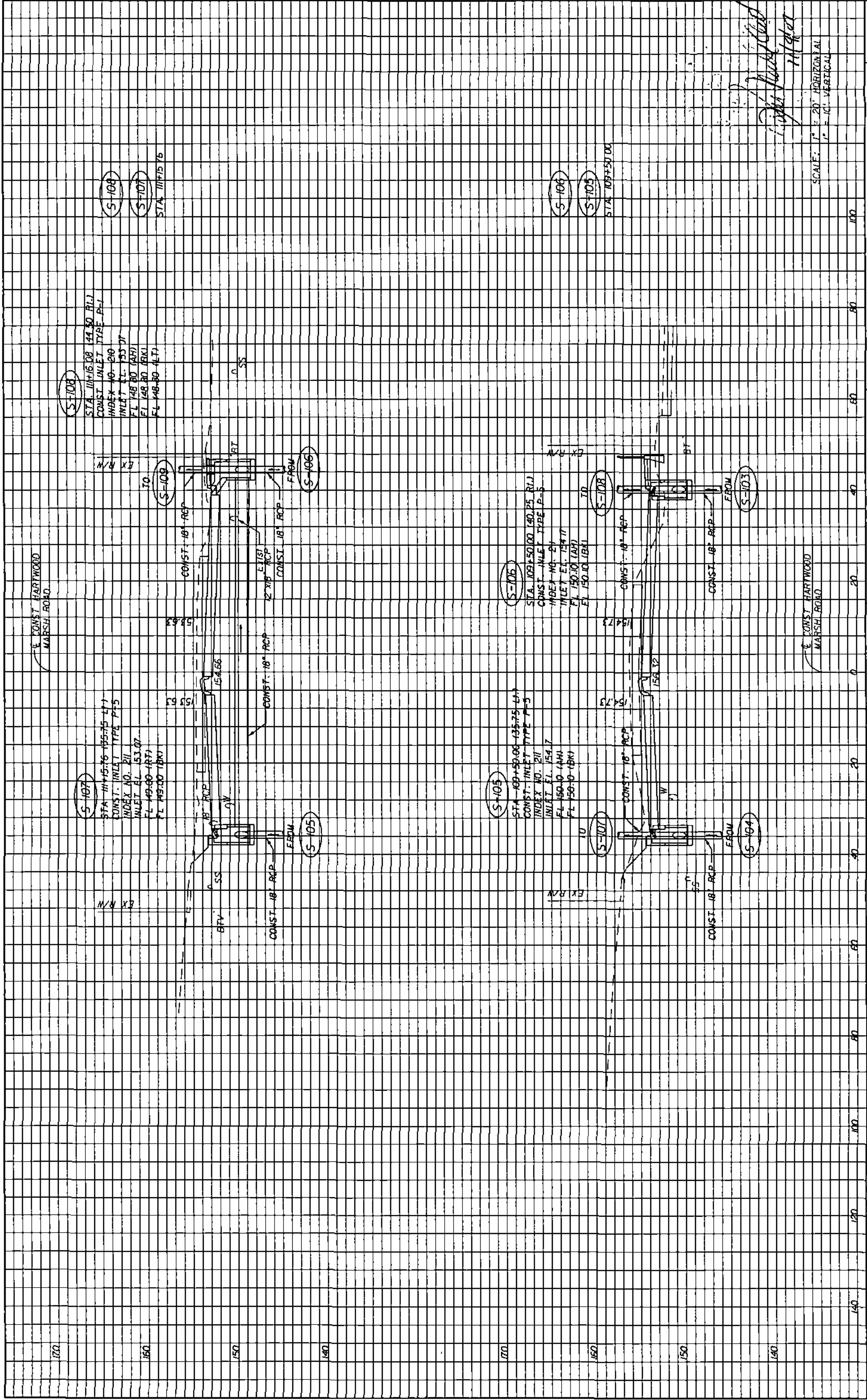
CONST. HARTWOOD MARSH ROAD

S-104  
 STA. 107+28.60 (85.75 L.)  
 CONST. INLET TYPE P-5  
 INDEX NO. 2H  
 INLET EL. 156.34  
 F.L. 154.50 (A.R.)  
 F.L. 154.50 (B.N.)

S-103  
 STA. 107+11.04 (144.50 R.)  
 CONST. INLET TYPE P-1  
 INDEX NO. 2IC  
 INLET EL. 158.96  
 F.L. 154.90 (A.R.)  
 F.L. 154.90 (B.N.)

S-107  
 STA. 107+28.60

S-103  
 STA. 107+11.04



50

SHEET NO.

DRAINAGE STRUCTURE SECTIONS

HARTWOOD MARSH ROAD

LAKE COUNTY



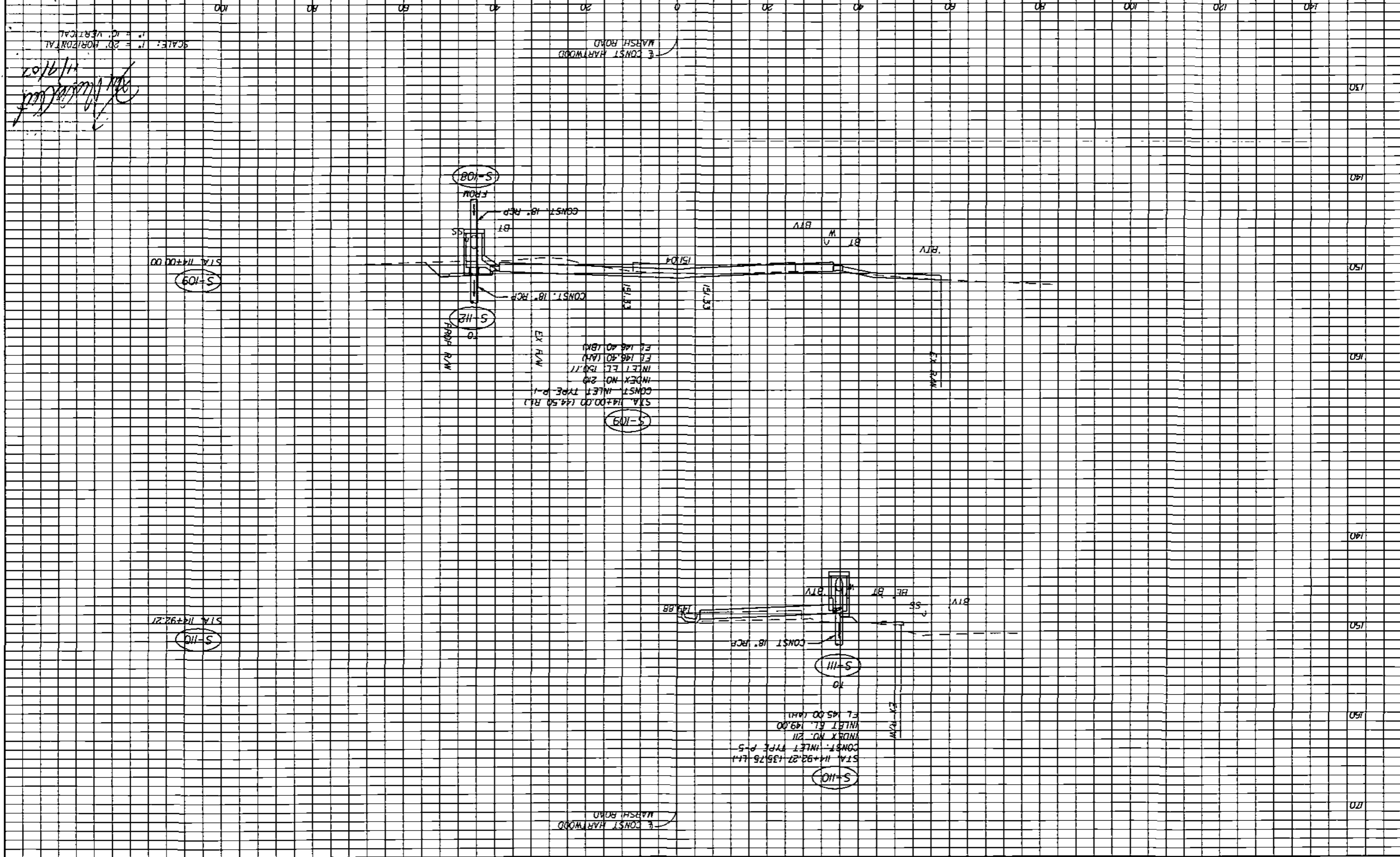
**HNTB**

HNTB CORPORATION  
300 PALMERA BLVD.  
SUITE 200  
LAKE WARE, FL 32746  
TEL: 407-885-0355  
CENT. OF AUTH. NO. 6500

ENGINEER OF RECORD: KAREN N. VAN DEN AVONT, P.E.  
FL REGISTRATION NO. 44794

DATE	BY	DESCRIPTION

REVISIONS



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

*[Handwritten signature]*  
11/9/07

DATE

BY

REVISIONS

**HNTB**

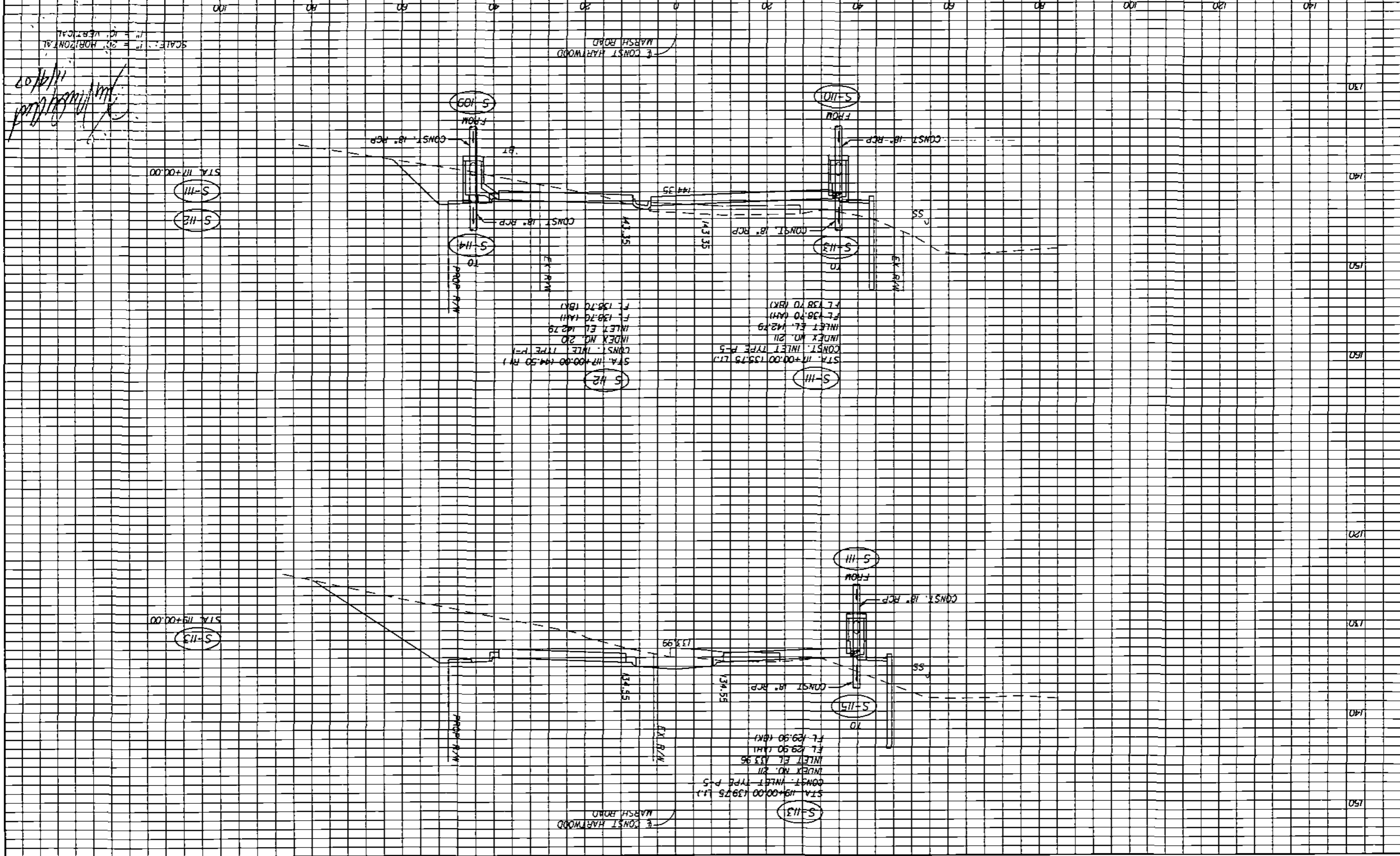
HNTB CORPORATION  
300 PRIMAVERA BLVD.  
SUITE 200  
LAKE WALKER, FL 32746  
(407) 805-0355  
CENT. OF MATH. NO. 6500  
ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E.  
FL REGISTRATION NO. 44794

LAKE COUNTY  
FLORIDA

HARTWOOD MARSH  
ROAD

DRAINAGE STRUCTURE SECTIONS  
HARTWOOD MARSH ROAD

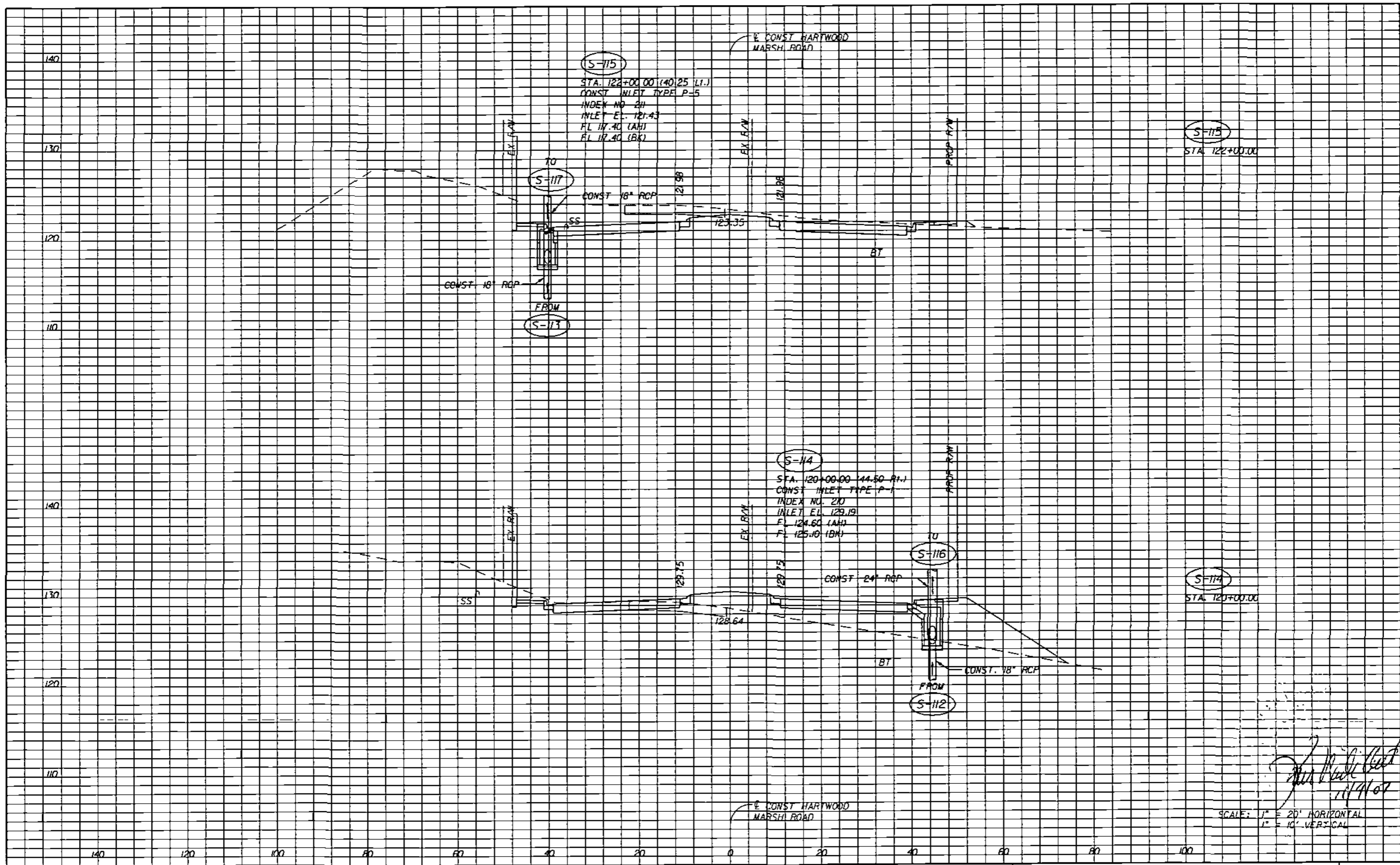
SHEET NO. 51



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

*Handwritten signature and date:*  
11/14/07





S-115  
 STA. 122+00.00 (40.25 LI.)  
 CONST INLET TYPE P-5  
 INDEX NO. 211  
 INLET EL. 121.43  
 FL 117.40 (AH)  
 FL 117.40 (BK)

S-115  
 STA. 122+00.00

S-114  
 STA. 120+00.00 (44.50 RI.)  
 CONST INLET TYPE P-1  
 INDEX NO. 210  
 INLET EL. 129.19  
 FL 124.60 (AH)  
 FL 125.10 (BK)

S-114  
 STA. 120+00.00

*[Signature]*  
 11/11/07

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

REVISIONS	
DATE	DESCRIPTION

**HNTB**  
 HNTB CORPORATION  
 300 PRIMAVERA BLVD,  
 SUITE 200  
 LAKE MARY, FL 32746  
 (407) 805-0355  
 CERT OF AUTH NO 6500  
 ENGINEER OF RECORD. KAREN M VAN DEN AVONT, P.E  
 FL REGISTRATION NO 44794



HARTWOOD MARSH  
ROAD

DRAINAGE STRUCTURE SECTIONS  
HARTWOOD MARSH ROAD

SHEET NO.  
52

DATE

BY

REVISIONS

**HNTB**

HNTB CORPORATION  
 300 PALMER BLVD,  
 SUITE 200  
 LAKE WALKER, FL 32746  
 (407) 805-0355  
 CENT. OF ALTH. NO. 6500

ENGINEER OF RECORD: KAREN N VAN DEN AVONT, P.E.  
 FL REGISTRATION NO. 44994

LAKE COUNTY  
 FLORIDA



HARTWOOD MARSH  
 ROAD

DRAINAGE STRUCTURE SECTIONS  
 HARTWOOD MARSH ROAD

SHEET NO  
 53

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

*[Handwritten signature]*



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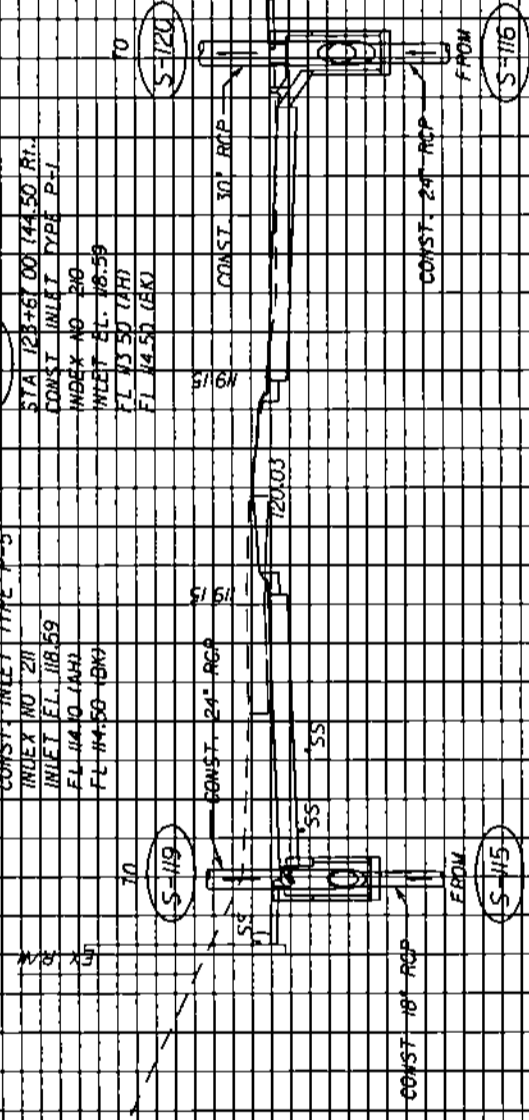
CONST HARTWOOD MARSH ROAD

CONST HARTWOOD MARSH ROAD

S-117  
STA 123+67.00 (140.25 LA)  
CONST. INLET TYPE P-5  
INDEX NO. 211  
INLET EL. 118.59  
FL 144.10 (144)  
FL 144.50 (144)

S-118  
STA 123+67.00 (144.50 RI)  
CONST. INLET TYPE P-1  
INDEX NO. 210  
INLET EL. 118.59  
FL 143.50 (144)  
FL 144.50 (144)

S-116  
S-117  
STA 123+67.00



*Handwritten signature and date*  
11/19/07

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

DATE		BY		REVISIONS		DESCRIPTION	


**HNTB**  
 HNTB CORPORATION  
 300 PRIMA BLVD,  
 SUITE 200  
 LAKE WAP, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD: KAREN M. VAN DEN BROEK, P.E.  
 FL REGISTRATION NO. 44794

**LAKE COUNTY**  
 FLORIDA

**HARTWOOD MARSH ROAD**  
**DRAINAGE STRUCTURE SECTIONS**  
**HARTWOOD MARSH ROAD**

SHEET NO. **54**

**HNTB**  
 HNTB CORPORATION  
 300 PRIMAVERA BLVD.  
 SUITE 200  
 LAKE WARE, FL 32746  
 (407) 805-0355  
 CENT. OF MATH. NO. 6500  
 ENGINEER OF RECORD: KAREN V. VAN DEN AVONT, P.E.  
 FL REGISTRATION NO. 44194

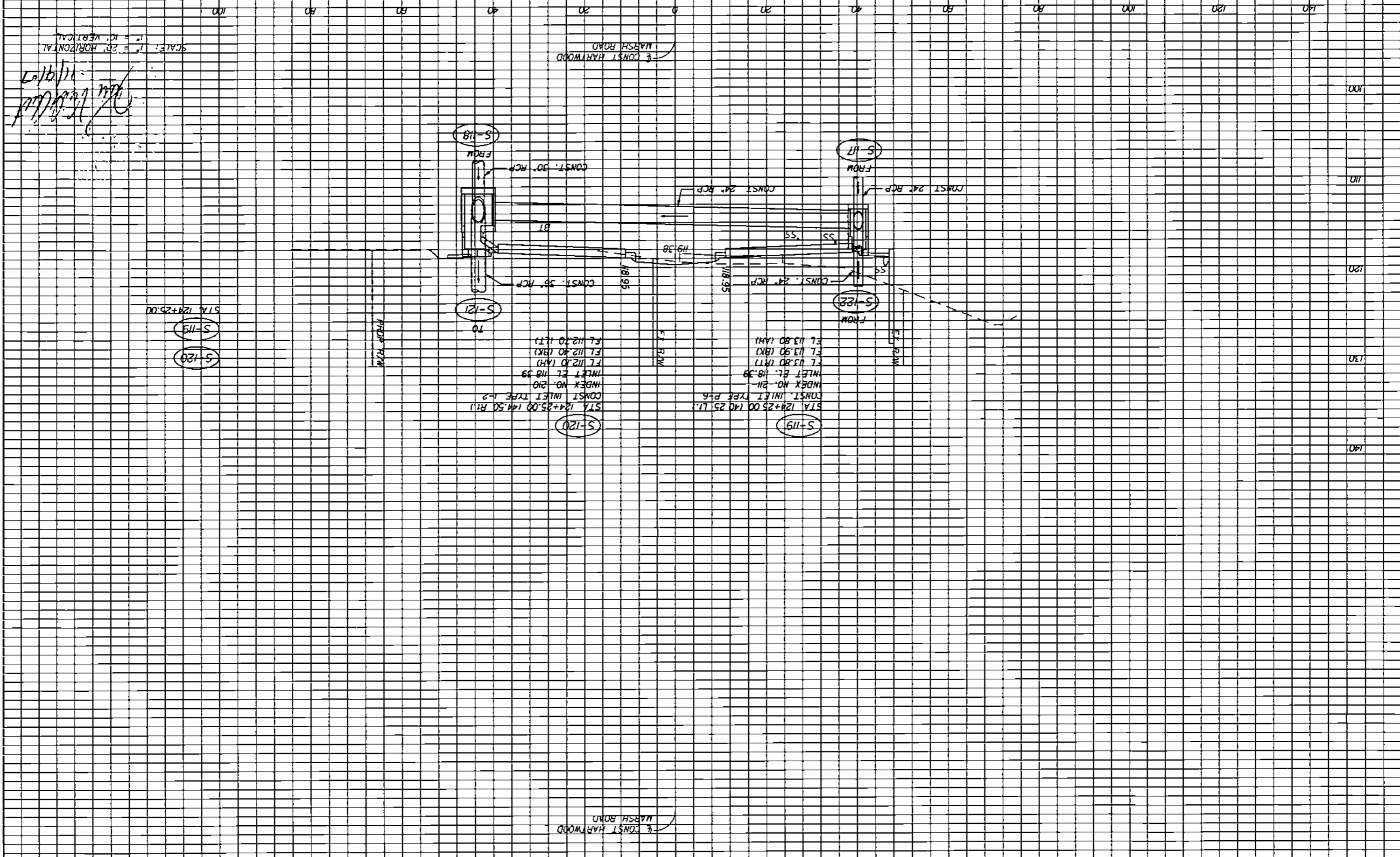
FLORIDA  
**LAKE COUNTY**  


**HARTWOOD MARSH ROAD**

**DRAINAGE STRUCTURE SECTIONS**  
**HARTWOOD MARSH ROAD**

SHEET NO. **55**

DATE	BY	DESCRIPTION



SCALE: 1" = 20' HORIZONTAL  
 1" = 10' VERTICAL  
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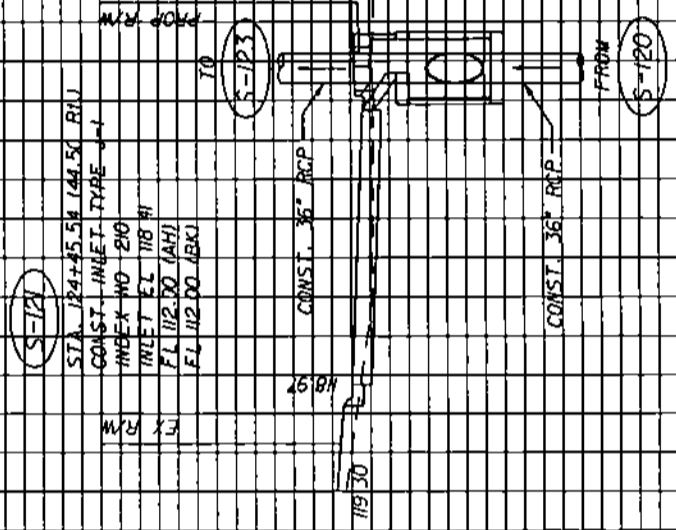
STA. 124+25.00  
 S-119  
 S-120

STA. 124+25.00 (144.50 RL)  
 CONST. INLET TYPE 1-2  
 INDEX NO. 210  
 INLET EL. 118.39  
 FL 112.10 (LH)  
 FL 112.40 (BK)  
 FL 112.10 (LT)

STA. 124+25.00 (140.25 L.I.)  
 CONST. INLET TYPE P-6  
 INDEX NO. 211  
 INLET EL. 118.39  
 FL 112.10 (LH)  
 FL 112.40 (BK)  
 FL 112.10 (LT)

CONST HARTWOOD MARSH ROAD

CONST HARTWOOD MARSH ROAD



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

*[Handwritten Signature]*  
11/1/07

DATE	BY	DESCRIPTION

**HNTB**  
 HNTB CORPORATION  
 300 PRINERA BLVD,  
 SUITE 200  
 LAKE WARE, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO 6500  
 ENGINEER OF RECORD KAREN M VAN DEN AVONT, P.E.  
 FL REGISTRATION NO 44794

**LAKE COUNTY**  
 FLORIDA

**HARTWOOD MARSH ROAD**

**DRAINAGE STRUCTURE SECTIONS**  
**HARTWOOD MARSH ROAD**

SHEET NO.

50



DATE

BY

REVISIONS

DESCRIPTION

**HNTB**

HNTB CORPORATION  
 300 PRINCERNA BLVD.  
 SUITE 200  
 LAKE WARE, FL 32746  
 (407) 885-0355  
 CERT. OF AUTH. NO. 6500

ENGINEER OF RECORD KAREN W. VAN DEN ANDELT, P.E.  
 FL REGISTRATION NO. 44794

LAKE COUNTY



HARTWOOD MARSH ROAD

HARTWOOD MARSH ROAD  
DRAINAGE STRUCTURE SECTIONS

58

SHEET NO.

SCALE: 1" = 20' HORIZONTAL  
 1/4" = 10' VERTICAL

*[Handwritten signature]*



ENGINEER OF RECORD, KAREN M VAN DEN AMONT, P.E.  
 FL REGISTRATION NO 44994  
 HNTB CORPORATION  
 300 PRIBERA BLVD.  
 SUITE 200  
 LAKE WARE, FL 32746  
 (407) 805-0355  
 CERT OF AUTH NO 6500



LAKE COUNTY  
 FLORIDA

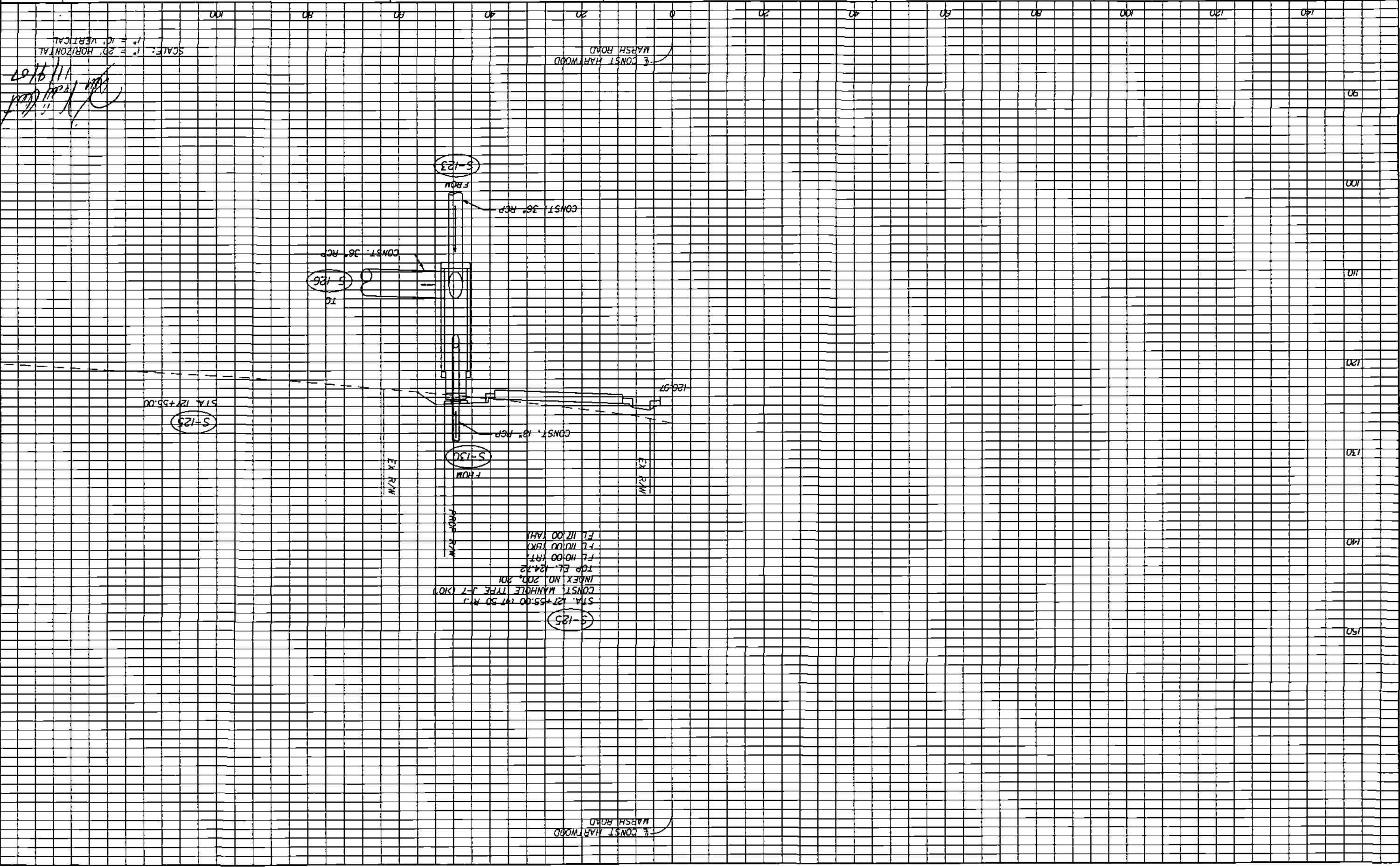


HARTWOOD MARSH  
 ROAD

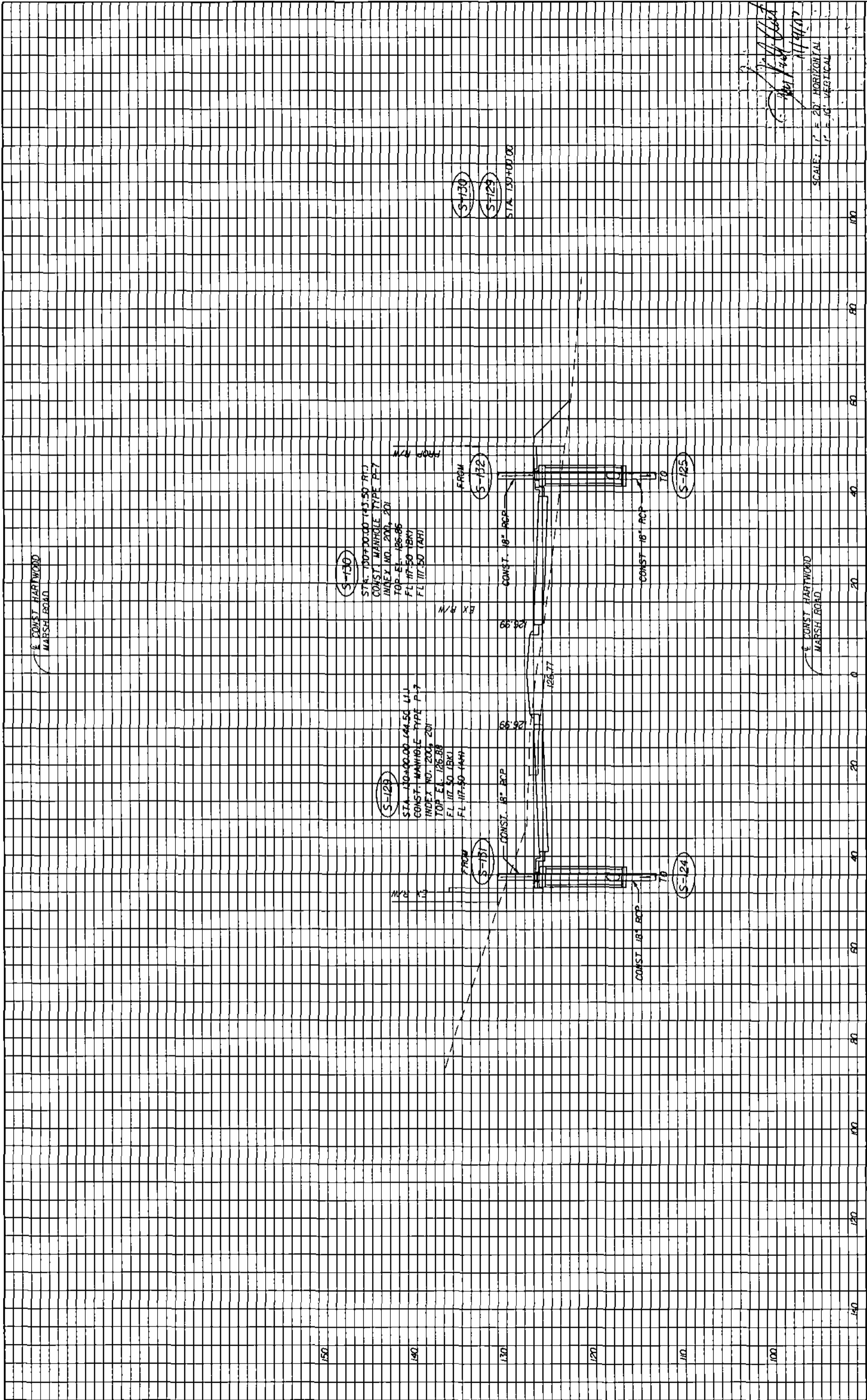
DRAINAGE STRUCTURE SECTIONS  
 HARTWOOD MARSH ROAD

SHEET NO. 59

DATE	BY	DESCRIPTION







S-130  
 STA. 100+00.00 (43.50 R/L)  
 CONST. MANHOLE TYPE TET  
 INDEX NO. 200, 201  
 TOP EL. 126.86  
 FL 117.50 (BK)  
 FL 117.50 (AB)

S-129  
 STA. 100+00.00 (44.50 L/L)  
 CONST. MANHOLE TYPE P-7  
 INDEX NO. 200, 201  
 TOP EL. 126.88  
 FL 117.50 (BK)  
 FL 117.50 (AH)

S-130  
 S-129  
 STA. 100+00.00

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

*[Handwritten Signature]*  
 11/19/07

DATE	BY	DESCRIPTION

**HNTB**  
 HNTB CORPORATION  
 300 PRIMA BLVD.  
 SUITE 200  
 LAKE HAVY, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E.  
 FL REGISTRATION NO. 44794



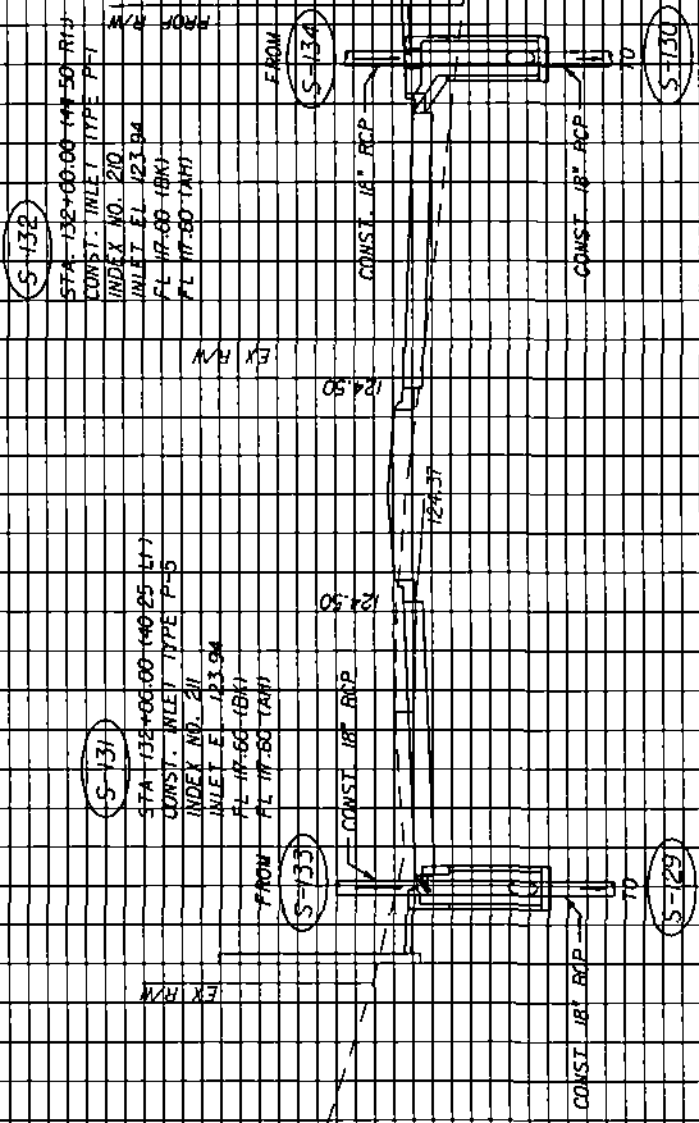
**HARTWOOD MARSH ROAD**

**DRAINAGE STRUCTURE SECTIONS  
 HARTWOOD MARSH ROAD**

SHEET NO. 60

E CONST HARTWOOD MARSH ROAD

E CONST HARTWOOD MARSH ROAD



S-132

STA 132+00.00 111-50-R14  
 CONST. INLET TYPE P-T  
 INDEX NO. 210  
 INLET E. 123.94  
 FL 117-80 (BK)  
 FL 117-80 (TKH)

S-131

STA 132+00.00 140-25-L17  
 CONST. INLET TYPE P-5  
 INDEX NO. 211  
 INLET E. 123.94  
 FL 117-80 (BK)  
 FL 117-80 (TKH)

S-134  
 S-133  
 STA 132+00.00

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

*[Handwritten Signature]*  
 11/14/07

DATE	BY	DESCRIPTION

**HNTB**  
 HNTB CORPORATION  
 300 PRIMA BLVD.  
 SUITE 200  
 LAKE MARY, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E.  
 FL REGISTRATION NO. 44794

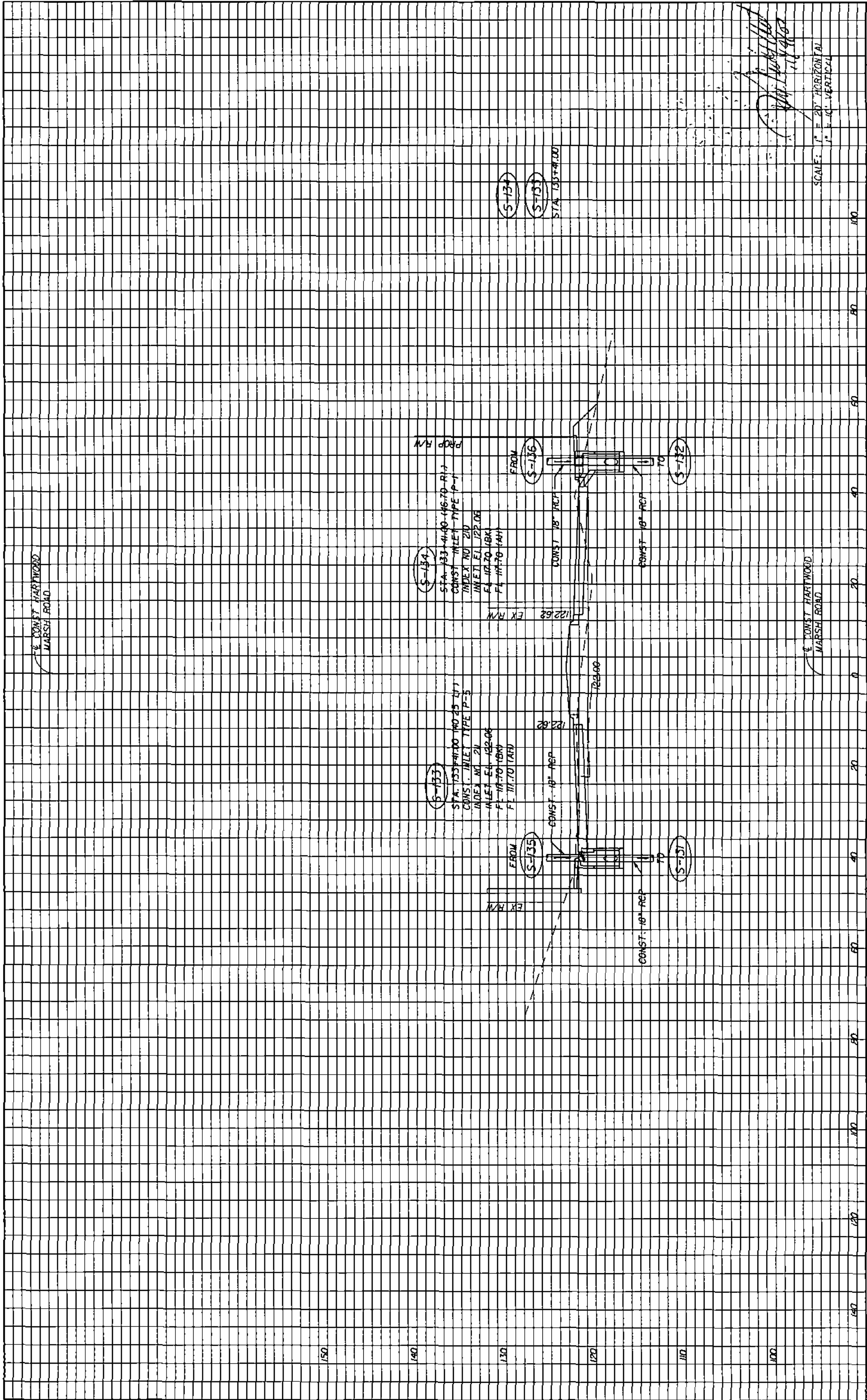
  
**LAKE COUNTY**  
 FLORIDA

**HARTWOOD MARSH ROAD**

**DRAINAGE STRUCTURE SECTIONS**  
**HARTWOOD MARSH ROAD**

SHEET NO.

61



S-134  
 STA. 133+41.00 (46.70 R.I.)  
 CONST. INLET TYPE P-1  
 INDEX NO. 210  
 INLET E.I. 122.06  
 F.I. 117.70 (BK)  
 F.L. 117.70 (AH)

S-133  
 STA. 133+41.00 (40.25 L.I.)  
 CONST. INLET TYPE P-3  
 INDEX NO. 211  
 INLET E.I. 132.06  
 F.I. 117.70 (BK)  
 F.L. 117.70 (AH)

S-131  
 STA. 135+41.00

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

*[Handwritten Signature]*  
 11/14/02

REVISIONS		DATE		BY		DESCRIPTION	
<b>HNTB</b> HNTB CORPORATION 300 PRINCEA BLVD. LAKE WALKER, FL 32746 (407) 805-0155 CERT. OF AUTH. NO. 6500 ENGINEER OF RECORD KAREN W. VAN DEN ANONT, P.E. FL REGISTRATION NO. 44794				 LAKE COUNTY FLORIDA		HARTWOOD MARSH ROAD	
DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD				SHEET NO. 602		11/11/2002 6:59:58 PM \\s:\hntb\00\projects\300princea\11-11-02\11-11-02.dwg	

ENGINEER OF RECORD  
 KAREN M. VAN DEN AMENT, P.E.  
 FL REGISTRATION NO. 44194  
 HNTB CORPORATION  
 300 PRIMAVERA BLVD.  
 SUITE 200  
 LAKE HAVY, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500



LAKE COUNTY  
 FLORIDA



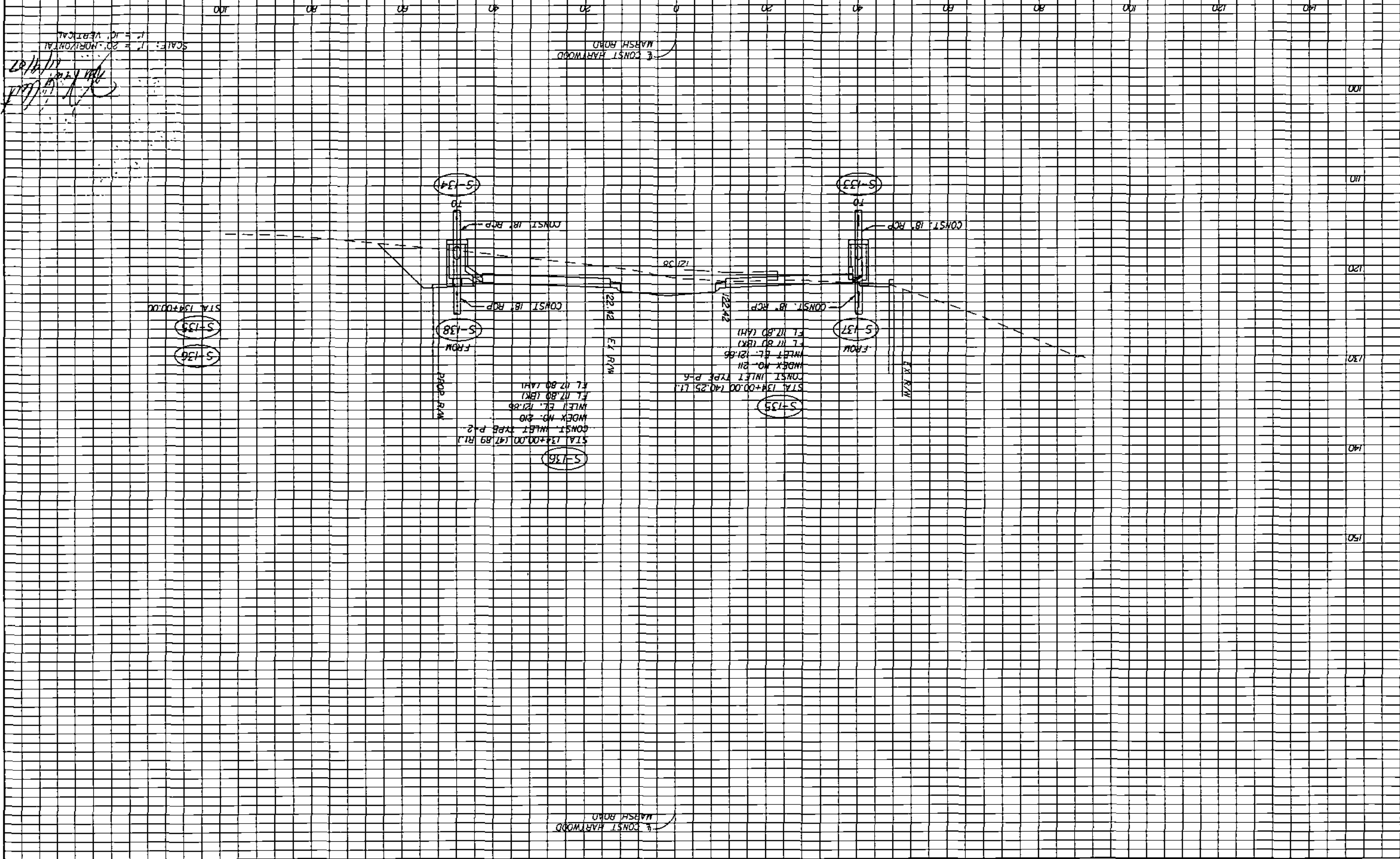
HARTWOOD MARSH ROAD

DRAINAGE STRUCTURE SECTIONS  
 HARTWOOD MARSH ROAD

63

SHEET NO.

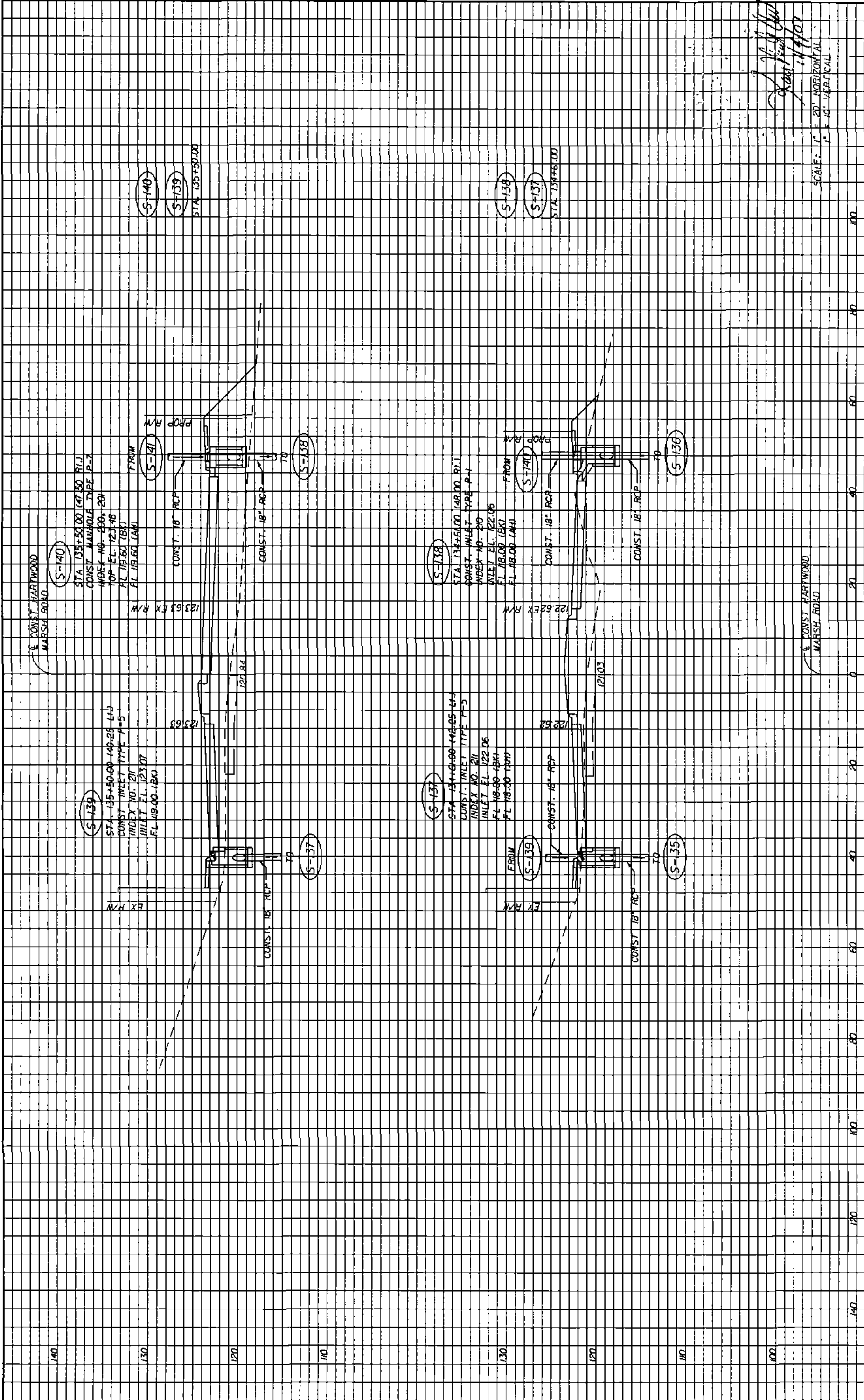
REVISIONS	DATE	BY	DESCRIPTION



SCALE: 1" = 20' HORIZONTAL  
 1" = 10' VERTICAL  
 11/17/17  
 [Handwritten signatures]

CONST. HARTWOOD MARSH ROAD

CONST. HARTWOOD MARSH ROAD



REVISIONS		DATE		BY	DESCRIPTION

<b>HNTB</b> HNTB CORPORATION 500 PHOENIX BLVD. SUITE 1000 LAKE WORTH, FL 32746 (407) 808-0355 CERT. OF AUTH. NO. 5500 ENGINEER OF RECORD KAREN M VAN DEN AVORT, P.E. FL REGISTRATION NO. 44794		LAKE COUNTY FLORIDA	HARTWOOD MARSH ROAD	DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD	SHEET NO. 104
--	--	------------------------	------------------------	--	------------------

CONST. HARTWOOD MARSH ROAD

CONST. HARTWOOD MARSH ROAD

S-141

STA. 136+00.00 (60+00 R.I.)  
CONST. INLET TYPE P-1  
INDEX NO. 20  
INLET E. 123.77  
FL-10.70 (BK)

PROP. R.W.

FRDW

S-141

CONST. 18" RCP

CONST. 18" RCP

S-140

S-141  
STA. 135+00.00

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

*[Handwritten Signature]*  
DATE: 11/1/07

DATE	BY	DESCRIPTION

**HNTB**  
 HNTB CORPORATION  
 300 PRUDER BLVD.  
 SUITE 200  
 LAKE WALKER, FL 32746  
 1-407-885-0155  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E.  
 FL. REGISTRATION NO. 44794



**HARTWOOD MARSH ROAD**

**DRAINAGE STRUCTURE SECTIONS  
HARTWOOD MARSH ROAD**

SHEET NO.

65

HNTB  
ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E.  
FL REGISTRATION NO 44194  
CENT OF AUTH NO 6500  
LAKE MARSH, FL 32746  
SUITE 200  
300 PRINCEPA BLVD.  
HNTB CORPORATION

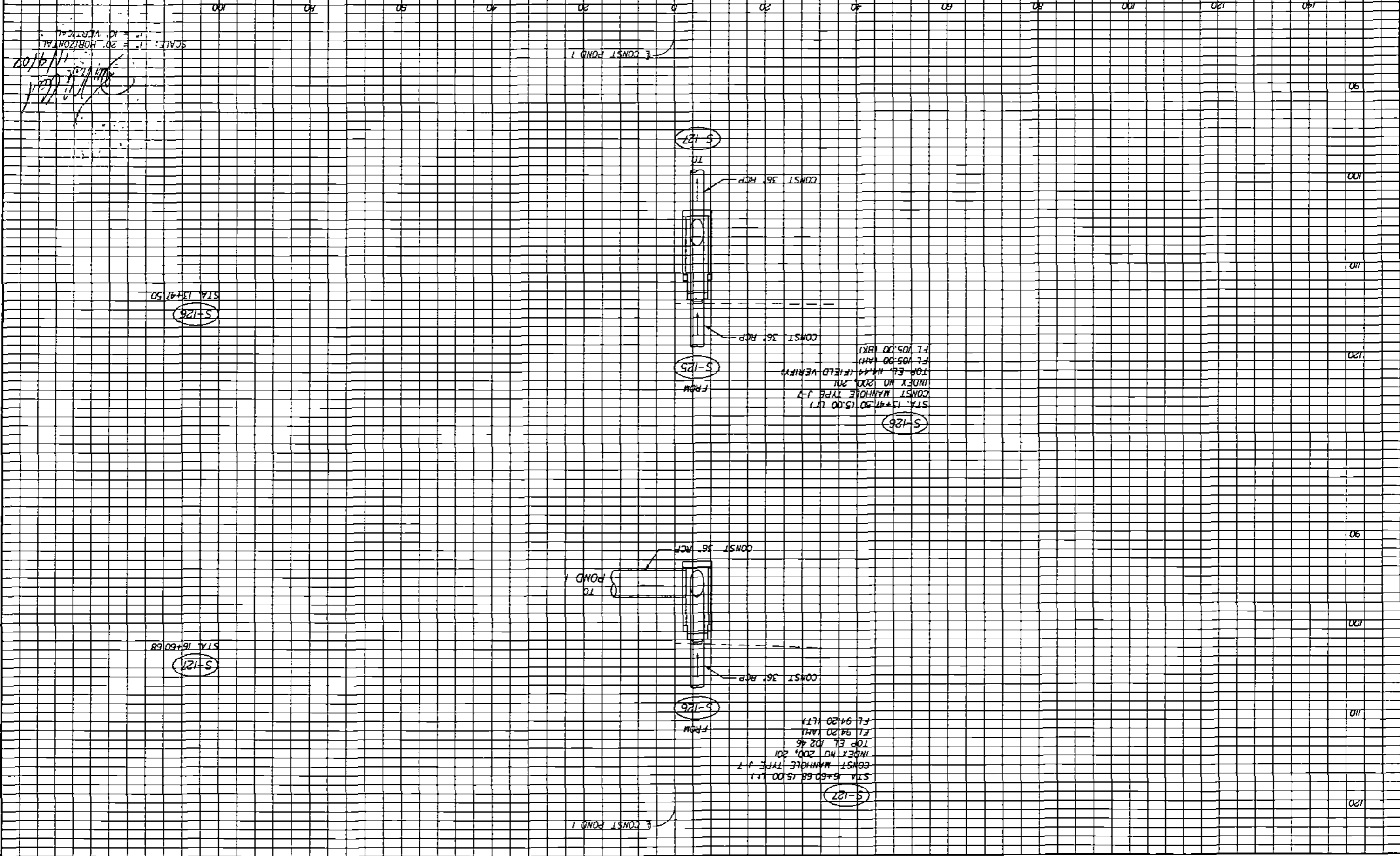


HARTWOOD MARSH  
ROAD

DRAINAGE STRUCTURE SECTIONS  
POND 1

66  
SHEET NO.

DATE	BY	DESCRIPTION



SCALE: 1" = 20' HORIZONTAL  
1" = 10' VERTICAL  
11/9/07

STA 13+47.50  
S-126

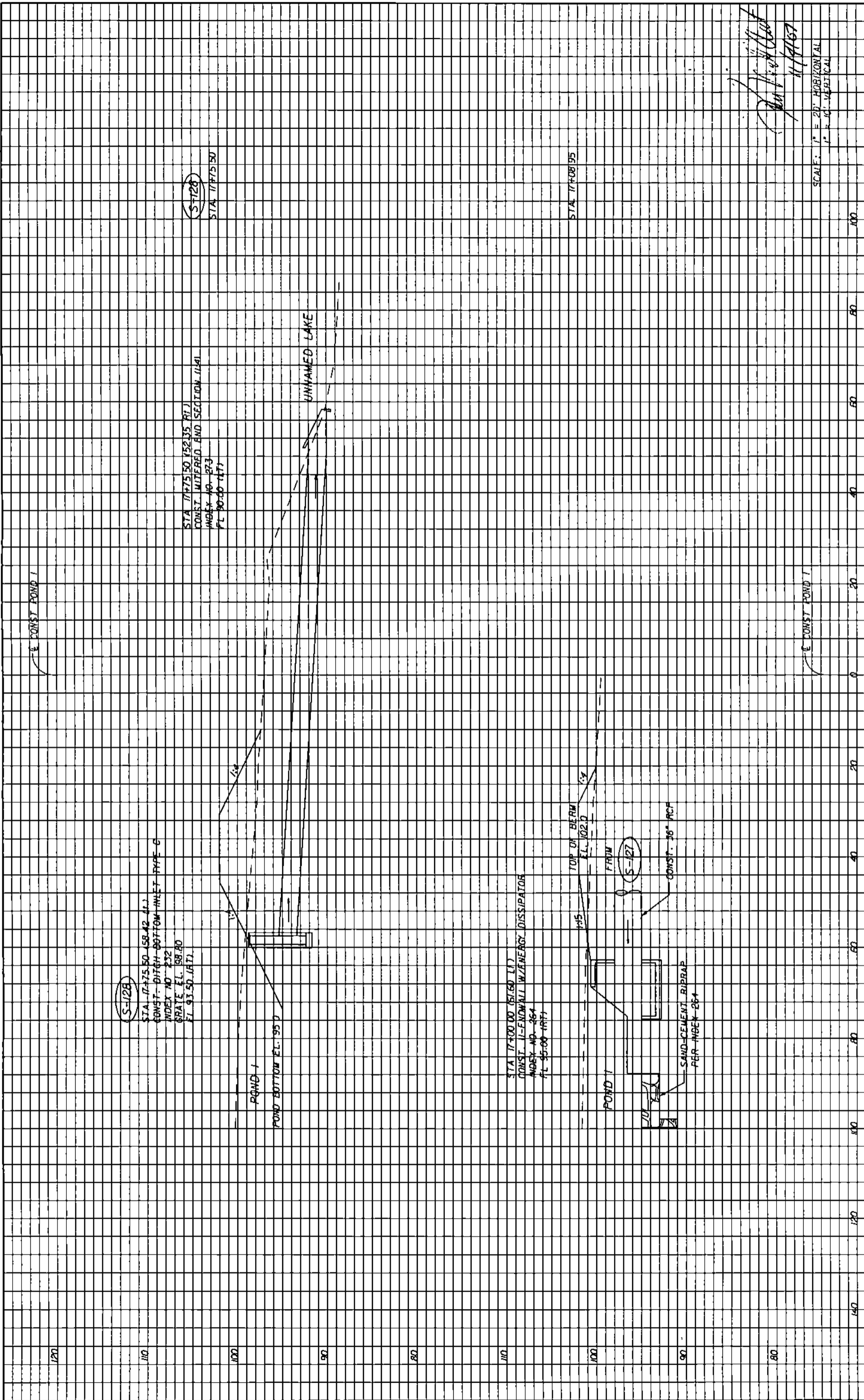
STA 16+60.68  
S-127

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MRISON

LAKE COUNTY FLORIDA



S-128

STA. 17+75.50 (58.42 H.L.)  
 CONST. DITCH BOTTOM INLET PIPE C  
 INDEX NO. 232  
 GRATE EL. 98.80  
 FL 93.50 (RT)

S-128

STA. 17+75.50 (52.35 RT)  
 CONST. INTERED. END SECTION (LAL)  
 INDEX NO. 273  
 FL 90.00 (RT)

STA. 17+75.50

STA. 17+00.00 (61.60 LT)  
 CONST. 12-INCH DIAM. ENERGY DISSIPATOR  
 INDEX NO. 264  
 FL 95.00 (RT)

STA. 17+08.95

TOP OF BERM  
 LL 102.0  
 FROM  
 S-127  
 CONST. 36" PCP  
 SAND-CEMENT RIPRAP  
 PER INDEX 264

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

*John P. ...*  
 11/19/67

REVISIONS		DATE		BY		DESCRIPTION	

				<b>HARTWOOD MARSH ROAD</b> <b>POND 1</b>		<b>DRAINAGE STRUCTURE SECTIONS</b>		SHEET NO <b>67</b>	
HNTB CORPORATION 300 PRIMERIA BLVD. SUITE 200 LAKE MARSH, FL 32746 (407) 805-0355 CERT. OF AUTH. NO. 6500 ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E. FL REGISTRATION NO. 44794		LAKE COUNTY FLORIDA		HARTWOOD MARSH ROAD POND 1		DRAINAGE STRUCTURE SECTIONS		SHEET NO <b>67</b>	

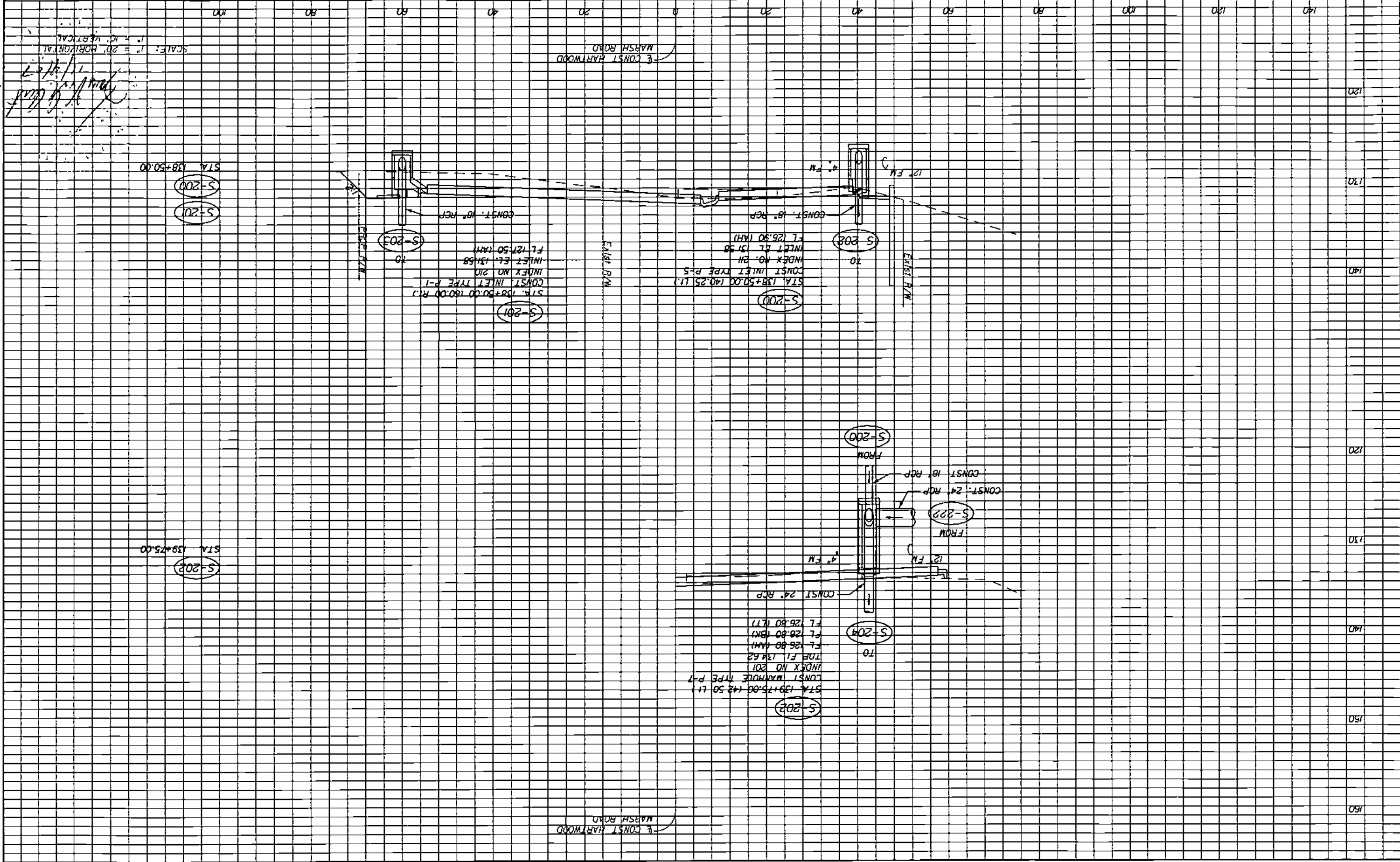




**HARTWOOD MARSH ROAD**

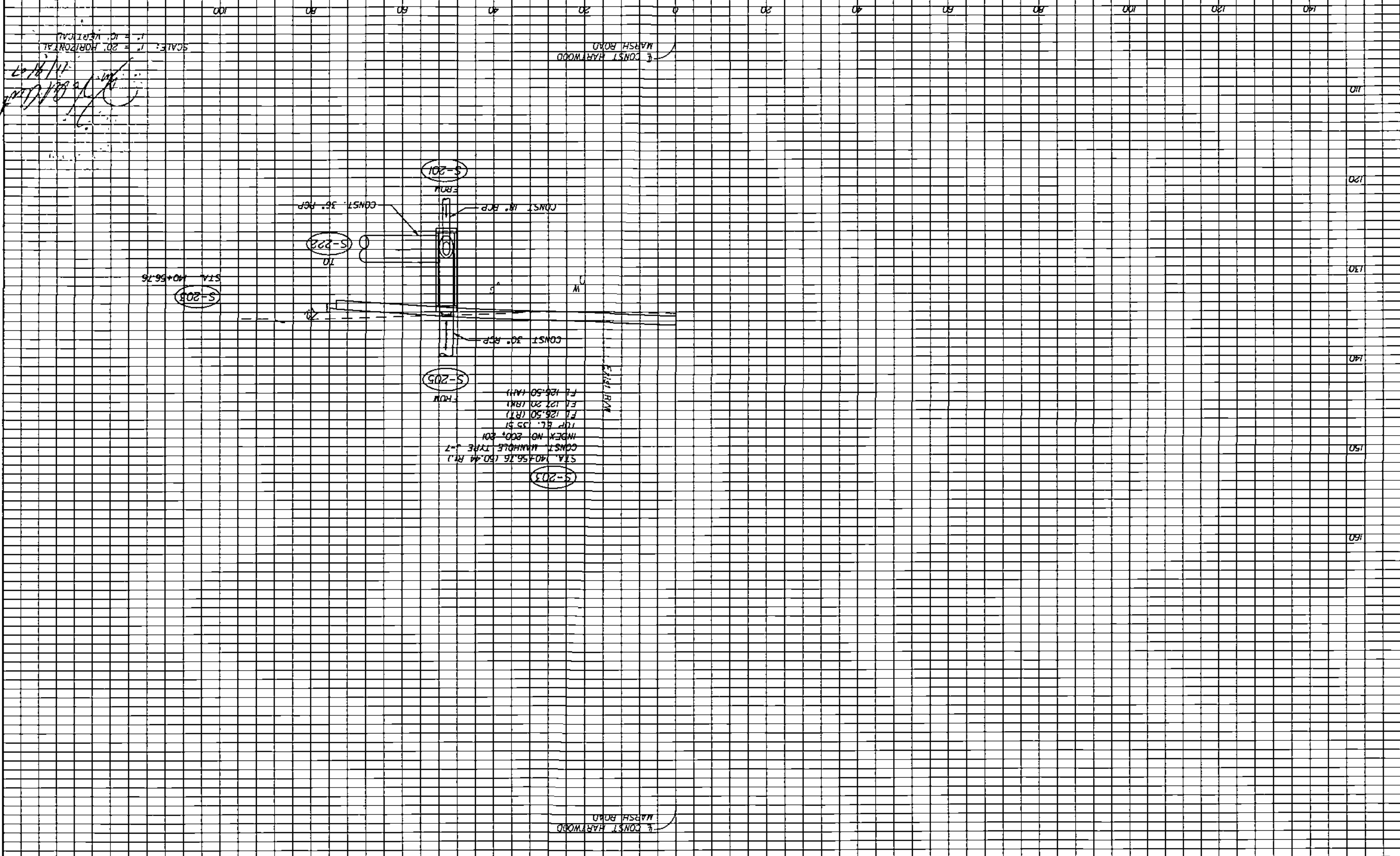
**DRAINAGE STRUCTURE SECTIONS**

SHEET NO. **68**



SCALE: 1" = 20' HORIZONTAL  
 1" = 10' VERTICAL  
 11/1/2007  
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 11/1/2007  
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 11/1/2007  
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DATE	BY	DESCRIPTION
REVISIONS		



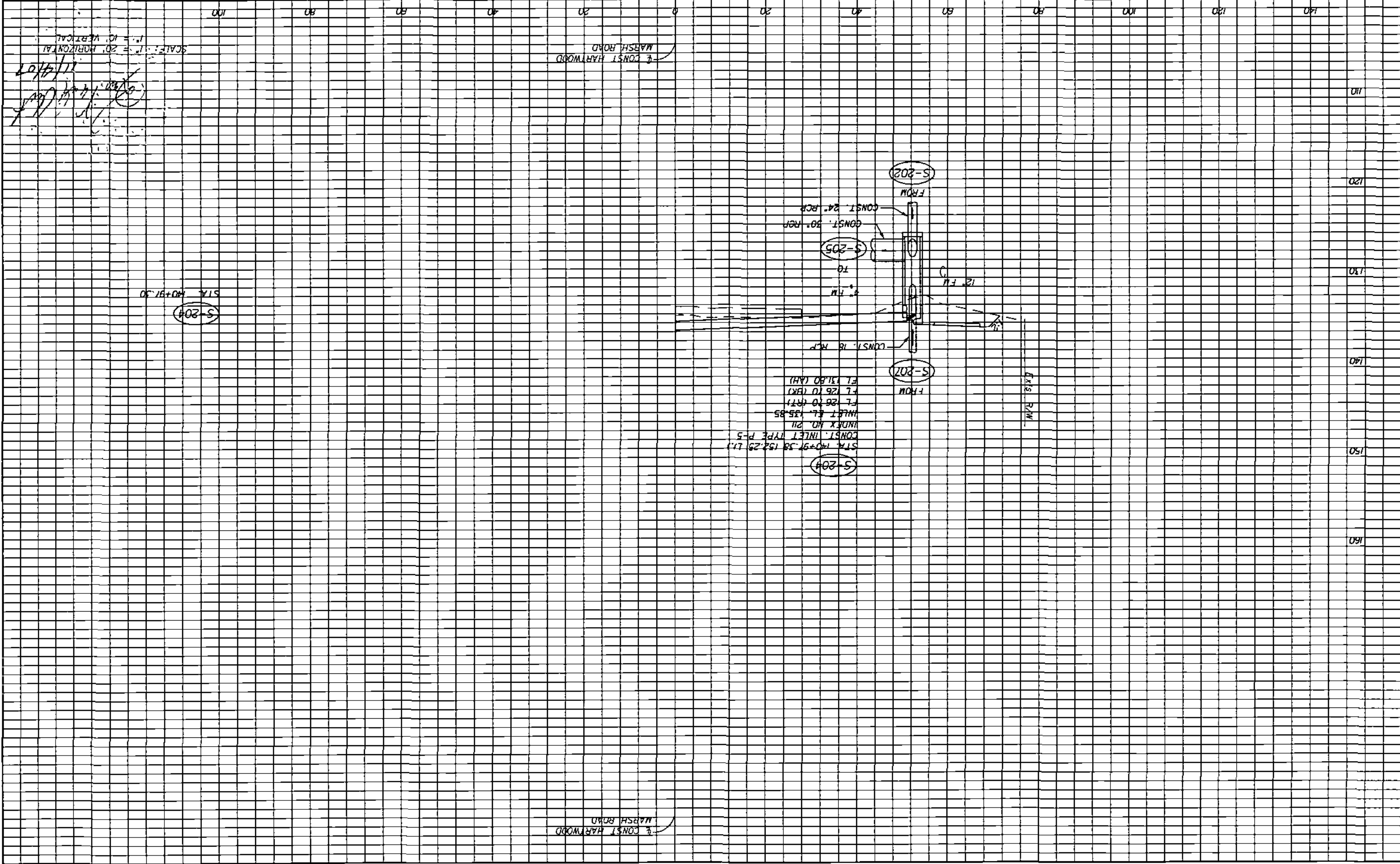
**HNTB**  
 HNTB CORPORATION  
 300 PRIMERIA BLVD,  
 SUITE 200  
 LAKE WALKER, FL 32746  
 (407) 805-0355  
 CENT. OF MATH NO. 6500  
 ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E.  
 FL REGISTRATION NO. 44794



**HARTWOOD MARSH ROAD**

**DRAINAGE STRUCTURE SECTIONS**  
**HARTWOOD MARSH ROAD**

SHEET NO. **TO**



STA. 140+97.58 (52.25 L.I.)  
 CONST. INLET TYPE P-5  
 INDEX NO. 211  
 INLET E.L. 135.85  
 F.L. 267.0 (RT)  
 F.L. 267.0 (BK)  
 F.L. 131.80 (LH)

CONST. 18 RCP  
 CONST. 30 RCP  
 CONST. 24 RCP

STA. 140+97.50  
 S-204

CONST. HARTWOOD MARSH ROAD

CONST. HARTWOOD MARSH ROAD

SCALE: H = 20' HORIZONTAL  
 V = 10' VERTICAL  
 11/14/07

ENGINEER OF RECORD  
 KAREN H VAN DEN AVONT, P.E.  
 CERT. OF AUTH. NO. 6500  
 14071 B05-0355  
 LAKE WOOD MARSH, FL 32746  
 SUITE 200  
 300 PRIMA BLVD.  
 HNTB CORPORATION



LAKE COUNTY  
 FLORIDA



HARTWOOD MARSH  
 ROAD

DRAINAGE STRUCTURE SECTIONS  
 HARTWOOD MARSH ROAD

SHEET NO  
 71

DATE  
 BY  
 DESCRIPTION

REVISIONS



SCALE: 1" = 20' HORIZONTAL  
 1" = 10' VERTICAL  
 11/1/07

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DATE \_\_\_\_\_  
 REVISIONS  
 DESCRIPTION

**HNTB**  
 HNTB CORPORATION  
 300 PRIMA BLDG.  
 LAKE HAVY, FL 32746  
 LAKE COUNTY, FL 32746  
 CERT OF AUTH NO 6500  
 FL REGISTRATION NO. 44794  
 ENGINEER OF RECORD, KAREN N VAN DEN AVONT, P.E.

LAKE COUNTY  
 FLORIDA

HARTWOOD MARSH  
 ROAD

DRAINAGE STRUCTURE SECTIONS  
 HARTWOOD MARSH ROAD

SHEET NO. **±2**



DATE

BY

REVISIONS  
DESCRIPTION

**HNTB**

HNTB CORPORATION  
300 PALMER BLVD.  
SUITE 200  
LAKE WALKER, FL 32746  
(407) 805-0355  
CENT. OF AUTH. NO. 6500  
FL REGISTRATION NO. 44794  
ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E.

LAKE COUNTY  
FLORIDA



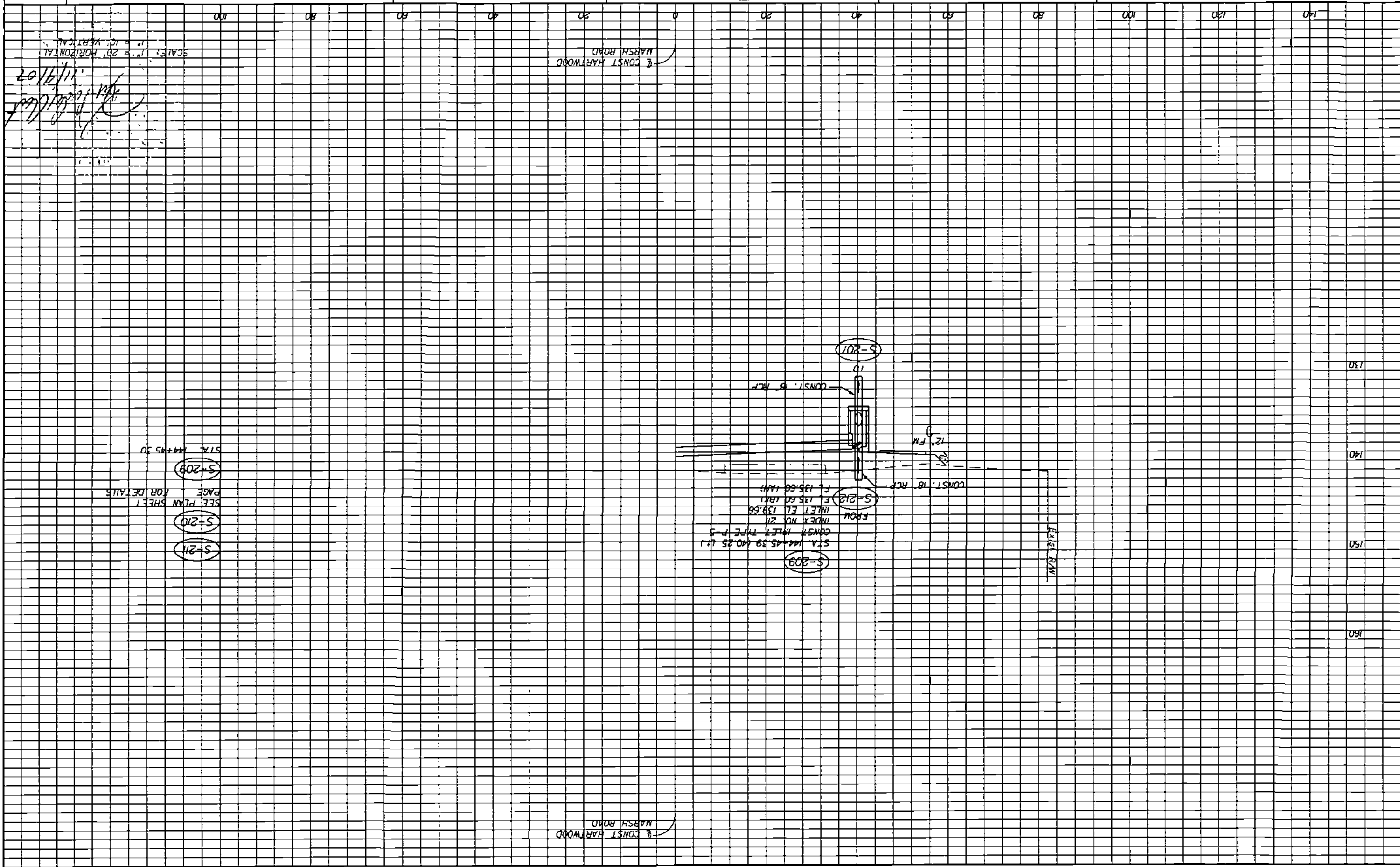
HARTWOOD MARSH  
ROAD

DRAINAGE STRUCTURE SECTIONS  
HARTWOOD MARSH ROAD

73

SHEET NO.

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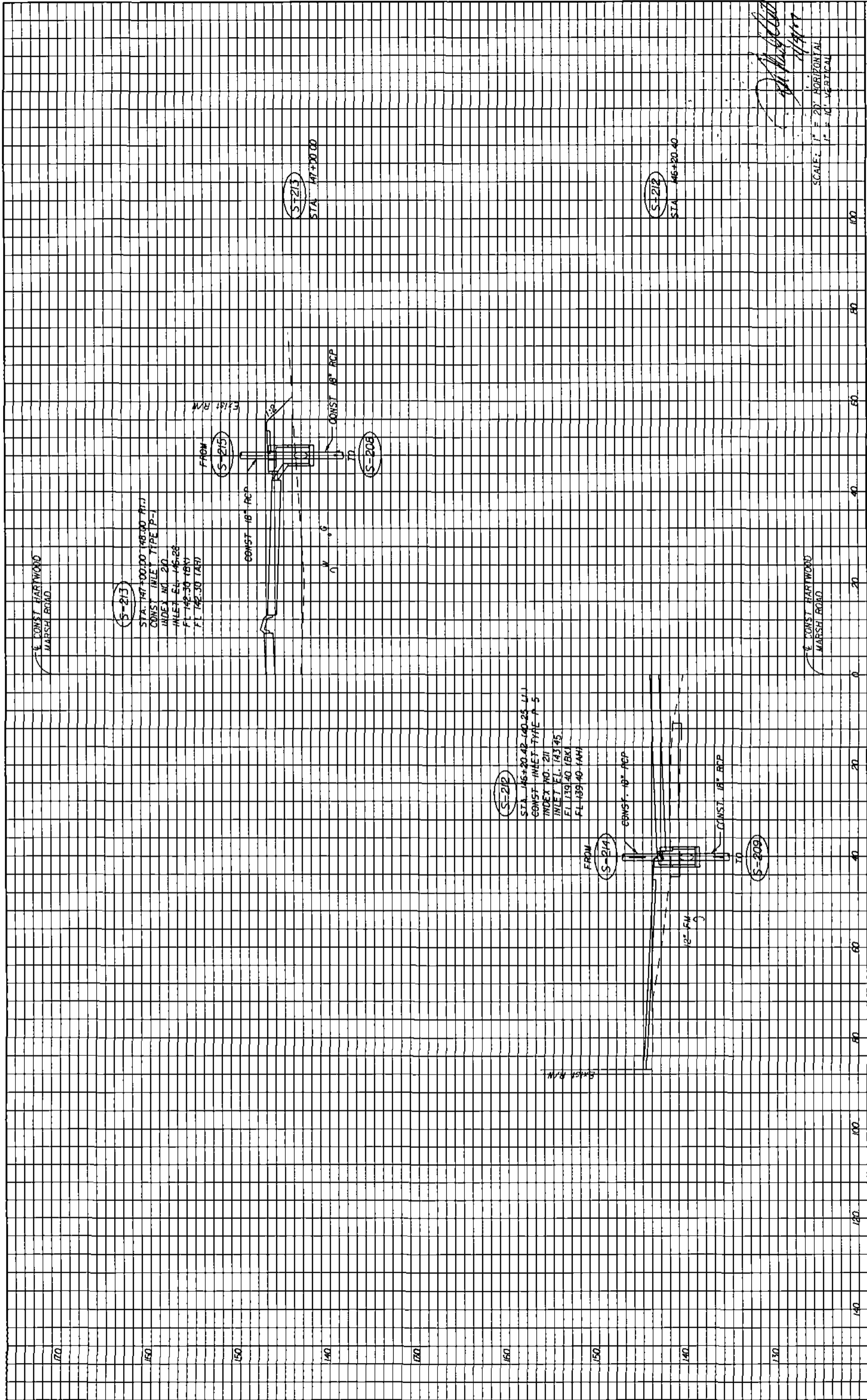


11/19/07  
*[Signature]*  
SCALE: 1" = 20' HORIZONTAL  
1" = 10' VERTICAL

S-211  
S-210  
S-209  
SEE PLAN SHEET  
PAGE FOR DETAILS  
STA. 144+59.50

CONST. HARTWOOD  
MARSH ROAD

CONST. HARTWOOD  
MARSH ROAD



S-213  
 STA. 147+00.00 (48.00 FT.)  
 CONST. INLET TYPE P-1  
 INDEX NO. 20  
 INLET E.L. 146.28  
 F.L. 142.30 (BK)  
 F.L. 142.30 (AR)

S-212  
 STA. 146+20.42 (40.25 FT.)  
 CONST. INLET TYPE A-5  
 INDEX NO. 20  
 INLET E.L. 143.45  
 F.L. 139.40 (BK)  
 F.L. 139.40 (AR)

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

*[Signature]*  
 11/1/2007

REVISIONS		DATE		BY	DESCRIPTION

<b>HNTB</b> HNTB CORPORATION 300 PRIMA BLDG, SUITE 200 LAKE WORTH, FL 32746 PHONE 407.561.1111 CERT. OF AUTH. NO. 6500 ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E. FL REGISTRATION NO. 44794		LAKE COUNTY FLORIDA	HARTWOOD MARSH ROAD	DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD	SHEET NO 74
--	--	------------------------	------------------------	--	-------------------



S-215  
 STA. 150+00.00 (148.00 R/W)  
 CONST. INLET TYPE P-1  
 INDEX NO. 210  
 INLET EL. 155.22  
 FL 157.20 (BN)

S-214  
 STA. 189+00.00 (187.25 L/R)  
 CONST. INLET TYPE P-5  
 INDEX NO. 211  
 INLET EL. 152.77  
 FL 180.70 (BN)

S-214  
 STA. 189+00.00

S-215  
 STA. 150+00.00

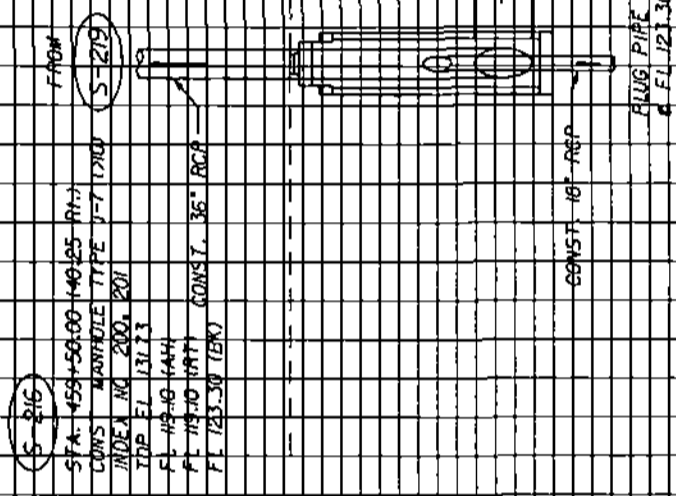
*John K. ...*  
 11/9/07

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

<b>HNTB</b> CORPORATION 300 PHOENIX BLVD, SUITE 200 LAKE PARK, FL 32746 PHONE 888-455-4444 CERT. OF AUTH. NO. 6500 ENGINEER OF RECORD KAREN M. VAN DEN AVONT, P.E. FL. REGISTRATION NO. 44794		LAKE COUNTY FLORIDA	HARTWOOD MARSH ROAD	DRAINAGE STRUCTURE SECTIONS HARTWOOD MARSH ROAD	SHEET NO. 75						
REVISIONS <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						DATE	BY	DESCRIPTION			
DATE	BY	DESCRIPTION									



CONST SOUTH  
HANCOCK ROAD



S-216

STA. 459+50.00 (40.25' RHT)  
 CONVS. MANHOLE TYPE J-7 (DIAM) S-219  
 INDEX NO. 200, 201  
 TOP EL. 131.23  
 FL. 119.16 (444)  
 FL. 119.10 (441)  
 FL. 123.30 (BK)  
 CONST. 36" RCP

S-216

STA. 459+30.00

CONST. 18" RCP  
 TO  
 CONST. 36" RCP  
 PLUG PIPE  
 EL. 121.30

CONST SOUTH  
HANCOCK ROAD

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

*[Handwritten signature]*  
 11/19/02

DATE	BY	DESCRIPTION

**HNTB**  
 HNTB CORPORATION  
 300 PRIMA BLDG.  
 SUITE 200  
 LAKE PARK, FL 32746  
 PHONE: 800-368-5858  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E.  
 FL REGISTRATION NO. 44794



HARTWOOD MARSH  
 ROAD

DRAINAGE STRUCTURE SECTIONS  
 SOUTH HANCOCK ROAD

SHEET NO.

76

ENGINEER OF RECORD  
 KAREN N VAN DEN AMONT, P.E.  
 FL REGISTRATION NO. 44794  
 HNTB CORPORATION  
 300 PRIMAVERA BLVD.  
 SUITE 200  
 LAKE WARE, FL 32746  
 (904) 805-0355  
 CERT. OF AUTH. NO. 6500



FLORIDA  
 LAKE COUNTY

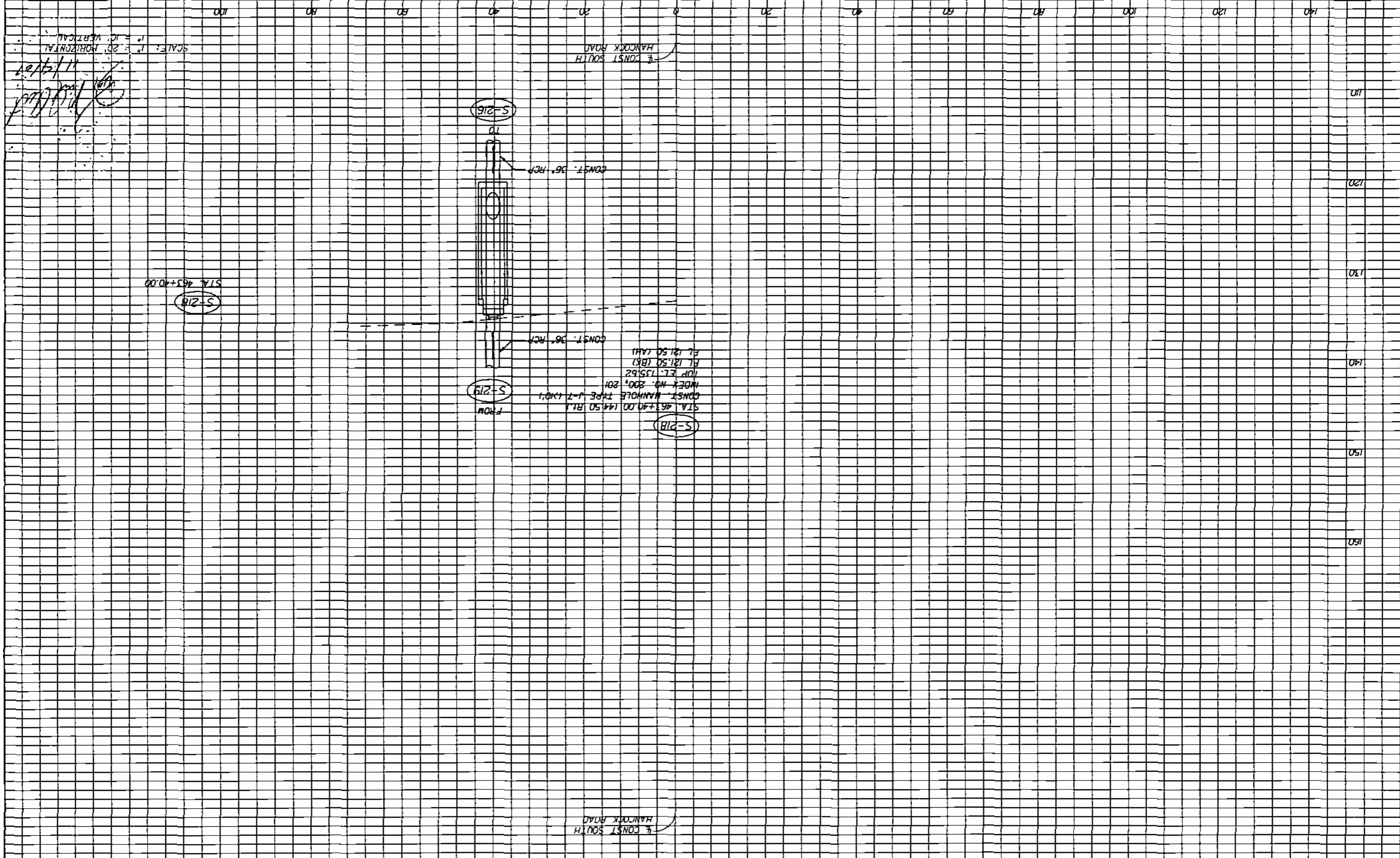


HARTWOOD MARSH  
 ROAD

DRAINAGE STRUCTURE SECTIONS  
 SOUTH HANCOCK ROAD

SHEET NO. 77

DATE	BY	DESCRIPTION



SCALE: 1" = 20' HORIZONTAL  
 1" = 10' VERTICAL  
 11/19/07  
 [Handwritten signature]

CONST SOUTH  
 HANCOCK ROAD

STA. 467+40.00 144.50 RL  
 CONST. MANHOLE TYPE J-7 1'x0'  
 INDEX NO. 200, 201  
 TOP EL. 135.62  
 EL 181.50 (BR)  
 EL 181.50 (AH)

STA. 463+40.00  
 S-218

S-216

S-219

S-218

CONST. 36" RCP

CONST. 36" RCP

CONST SOUTH  
 HANCOCK ROAD

CONST SOUTH  
 HANCOCK ROAD

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

11/19/07  
 [Handwritten signature]

SHEET NO.

77

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DATE

BY

REVISIONS

**HNTB**

HNTB CORPORATION  
300 PARKWAY BLVD.  
SUITE 200  
LAKE WALKER, FL 32746  
PHONE: 407-805-0355  
CENT. OF ALTH. NO. 6500  
ENGINEER OF RECORD: KAREN N. VAN DEN AMONT, P.E.  
FL REGISTRATION NO. 44794

LAKE COUNTY  
FLORIDA



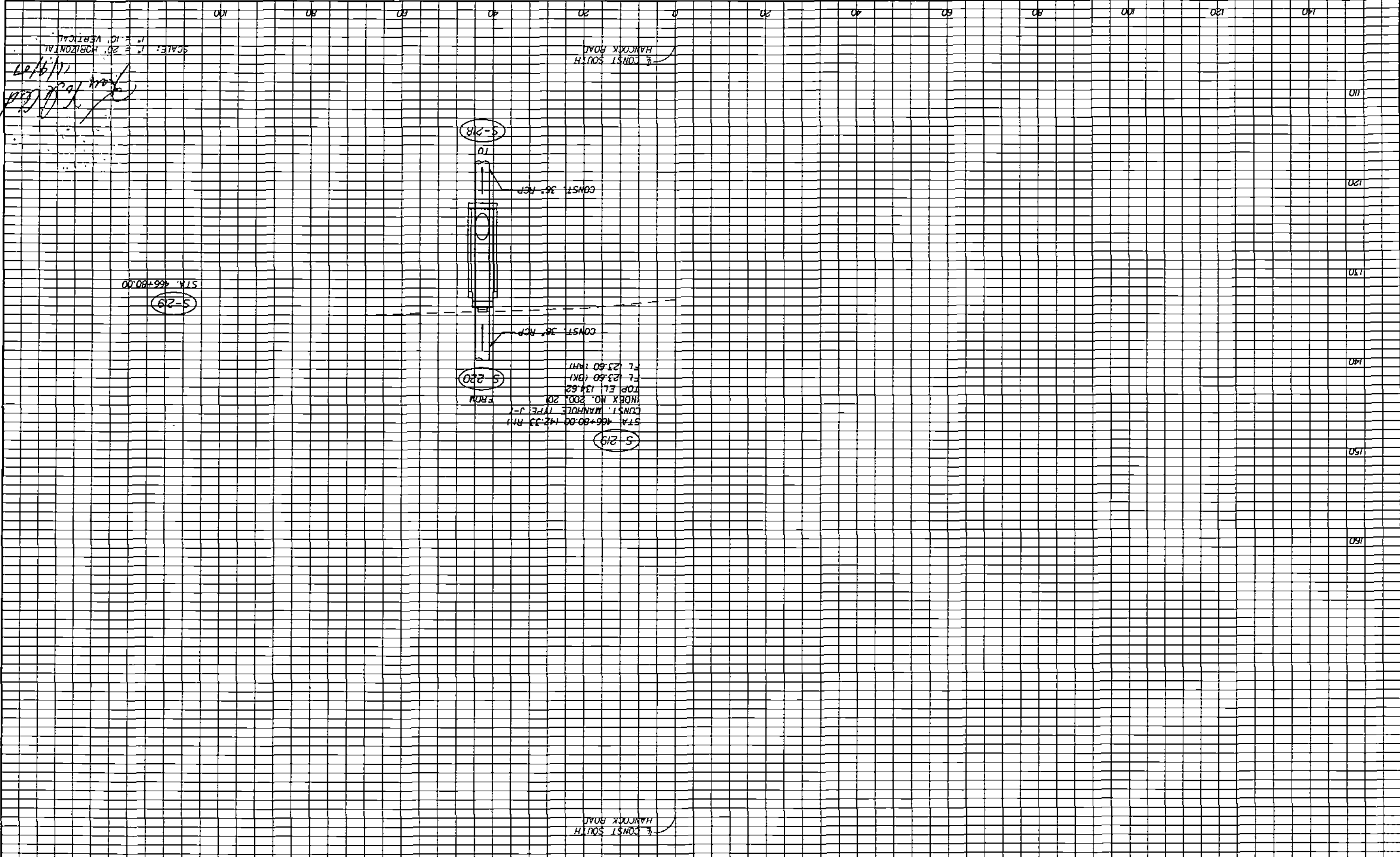
HARTWOOD MARSH  
ROAD

DRAINAGE STRUCTURE SECTIONS  
SOUTH HANCOCK ROAD

18

SHEET NO.

SCALE: 1" = 20' HORIZONTAL  
1" = 10' VERTICAL  
11/9/07  
[Signature]



STA. 466+80.00  
S-219

S-219  
STA. 466+80.00 (42.33 RM)  
CONST. MANHOLE (TYPE J-1)  
INBOX NO. 200, 201  
TOP EL. 134.62  
FL 23.60 (BKI)  
TL 125.80 (RM)  
CONST. 36\"/>

HANCOCK ROAD  
CONST. SOUTH

HANCOCK ROAD  
CONST. SOUTH

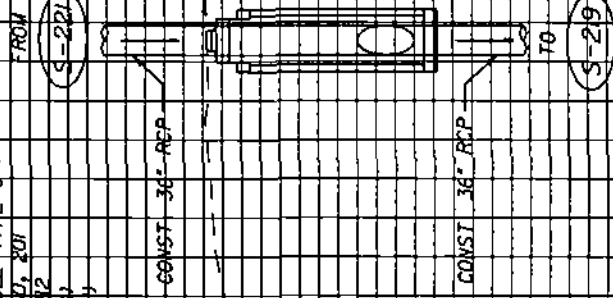
CONST SOUTH  
HANCOCK ROAD

S-220

STA. 167+49.16-168+14 R.H.  
CONST. MANHOLE TYPE JOT  
INDEX NO. 201, 201  
TOP E.L. 34.82  
E.L. 124.00 (B.M.)  
E.L. 124.68 (A.A.)

S-220

STA. 167+49.16



CONST SOUTH  
HANCOCK ROAD

SCALE: 1\"/>

*[Handwritten Signature]*  
11/21/07

DATE	BY	DESCRIPTION

**HNTB**  
 HNTB CORPORATION  
 3000 PERERA BLVD.  
 SUITE 100  
 LAKE WALKER, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD: KAREN M. VAN DEN ANONT, P.E.  
 FL REGISTRATION NO. 44754



**HARTWOOD MARSH ROAD**

**DRAINAGE STRUCTURE SECTIONS**  
**SOUTH HANCOCK ROAD**

SHEET NO  
**79**

80

SHEET NO

# DRAINAGE STRUCTURE SECTIONS

## HARTWOOD MARSH ROAD

LAKE COUNTY  
FLORIDA



**HNTB**  
 HNTB CORPORATION  
 300 PHOENIX BLVD.  
 SUITE 200  
 LAKE WALKER, FL 32746  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD  
 KAREN W. VAN DEN AVONT, P.E.  
 FL REGISTRATION NO. 44794

DATE	BY	DESCRIPTION

REVISIONS

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

*Handwritten notes:*  
 11/14/11  
 [Signature]

STA. 458+00.00  
**S-221**

**S-220**

**S-222**

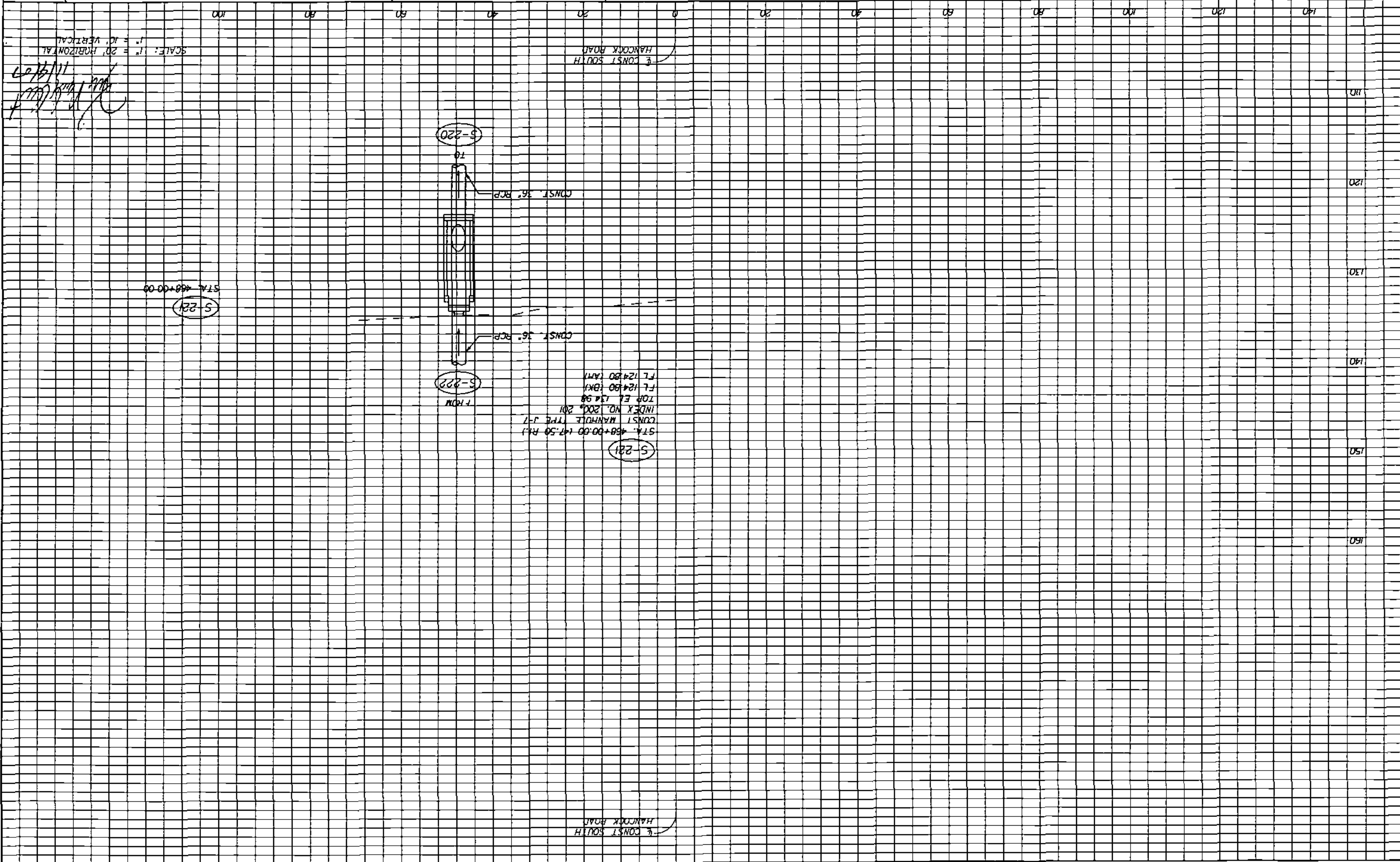
**S-221**  
 STA. 458+00.00 (47.50 RM)  
 CONST. MANHOLE TYPE J-1  
 INDEX NO. 200, 201  
 TOP EL. 134.98  
 FL 124.80 (DK)  
 FL 124.80 (AM)

CONST. 36" RCP

CONST. 36" RCP

& CONST SOUTH HANCOCK ROAD

& CONST SOUTH HANCOCK ROAD





**HNTB**  
 HNTB CORPORATION  
 300 PRIMA BLVD.  
 SUITE 200  
 LAKE WARE, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD - KAREN W. VAN DEN AVONT, P.E.  
 FL REGISTRATION NO. 44794

DATE	BY	DESCRIPTION
REVISIONS		

81

SHEET NO.

DRAINAGE STRUCTURE SECTIONS  
SOUTH HANCOCK ROAD

HARTWOOD MARSH ROAD



20/11/07  
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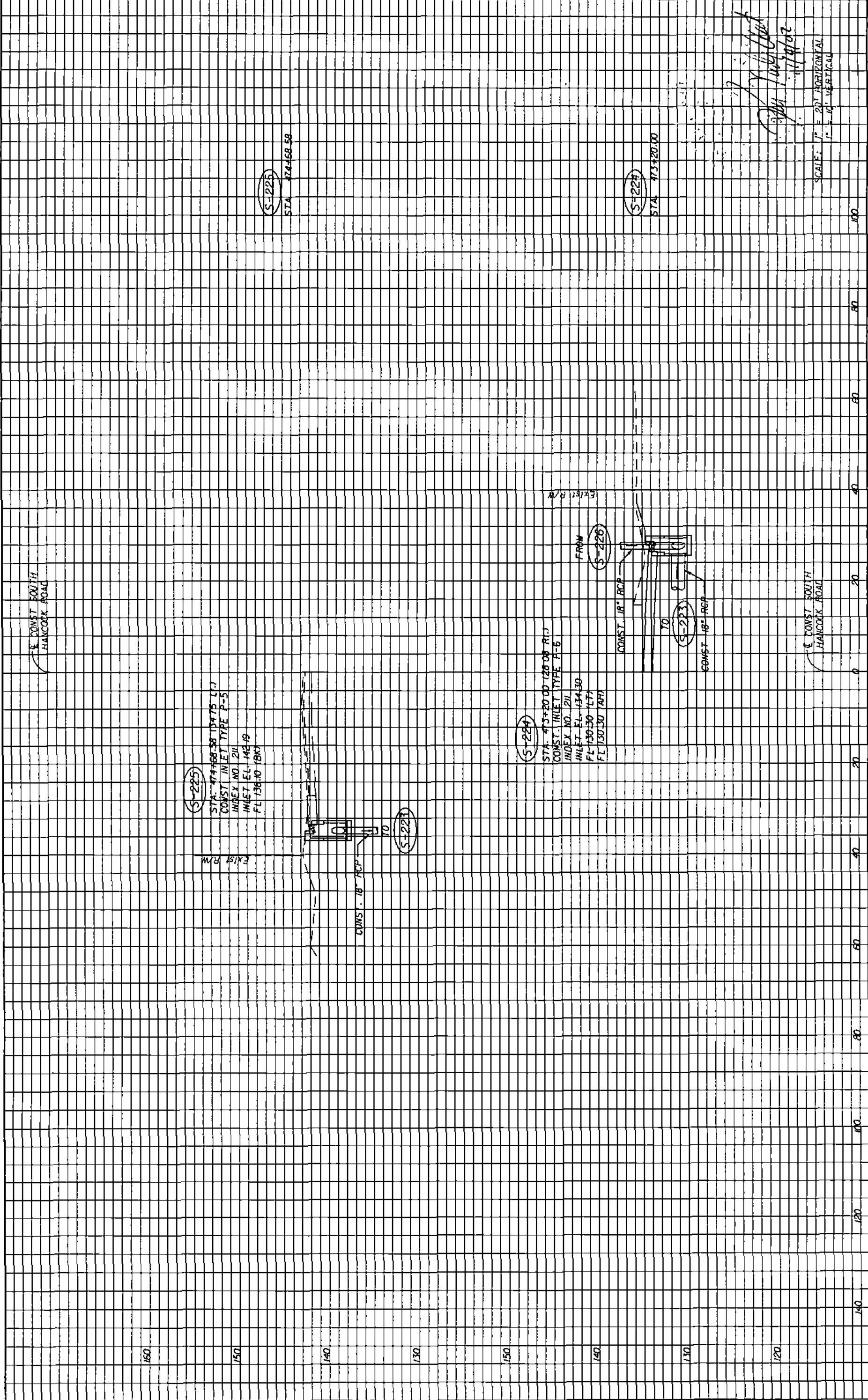
SCALE: 1" = 20' HORIZONTAL  
 1" = 10' VERTICAL

E CONST SOUTH HANCOCK ROAD

E CONST SOUTH HANCOCK ROAD

STA 473+05.00

STA 470+00.00



(S-225)  
 STA. 474+68.58 (3475 L.I.)  
 CONST. INLET TYPE P-5  
 INDEX NO. 211  
 INLET EL. 142.19  
 FL 136.70 (BK)

(S-224)  
 STA. 473+20.00 (2008 R.I.)  
 CONST. INLET TYPE P-6  
 INDEX NO. 211  
 INLET EL. 134.30  
 FL 130.30 (LT)  
 FL 130.30 (RT)

(S-224)  
 STA. 473+20.00

(S-225)  
 STA. 474+68.58

<p><b>HNTB</b>          ENGINEER OF RECORD, KAREN M. VAN DEN BROEK, P.E.          FL REGISTRATION NO. 44734</p>		<p>LAKE COUNTY          FLORIDA</p>	<p>HARTWOOD MARSH          ROAD</p>	<p>DRAINAGE STRUCTURE SECTIONS          SOUTH HANCOCK ROAD</p>	<p>SHEET NO.          82</p>						
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						DATE	BY	DESCRIPTION			
DATE	BY	DESCRIPTION									

HNTB CORPORATION  
 200 PRIMA BLVD,  
 SUITE 400, FL 32746  
 LAKE ALA., FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD, KAREN M. VAN DEN BROEK, P.E.  
 FL REGISTRATION NO. 44734

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ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E.  
 FL REGISTRATION NO 44794  
 HNTB CORPORATION  
 300 PRINCEN BLVD,  
 SUITE 200  
 LAKE WARE, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO 6500



LAKE COUNTY  
 FLORIDA

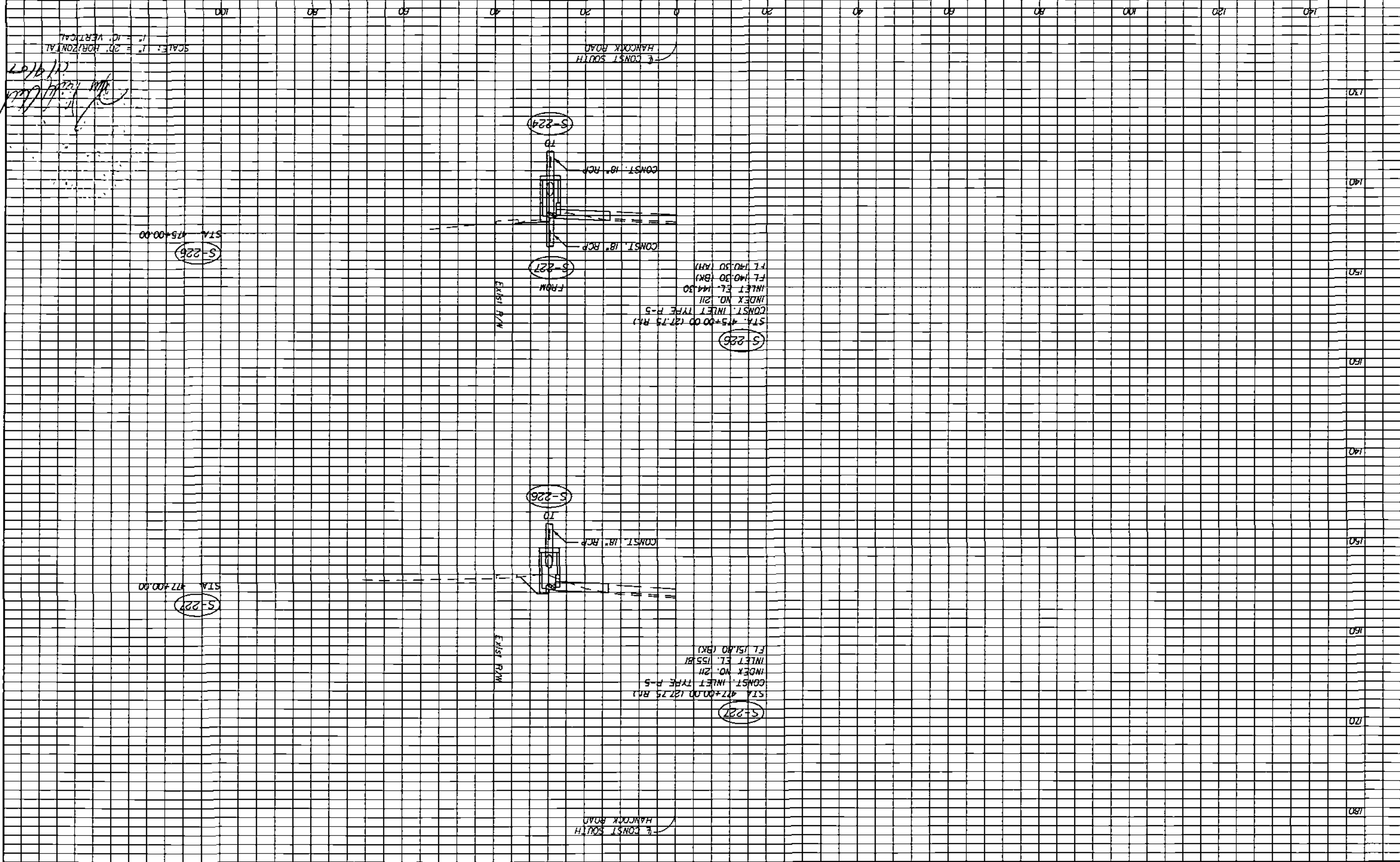


HARTWOOD MARSH  
 ROAD

DRAINAGE STRUCTURE SECTIONS  
 SOUTH HANCOCK ROAD

83  
 SHEET NO

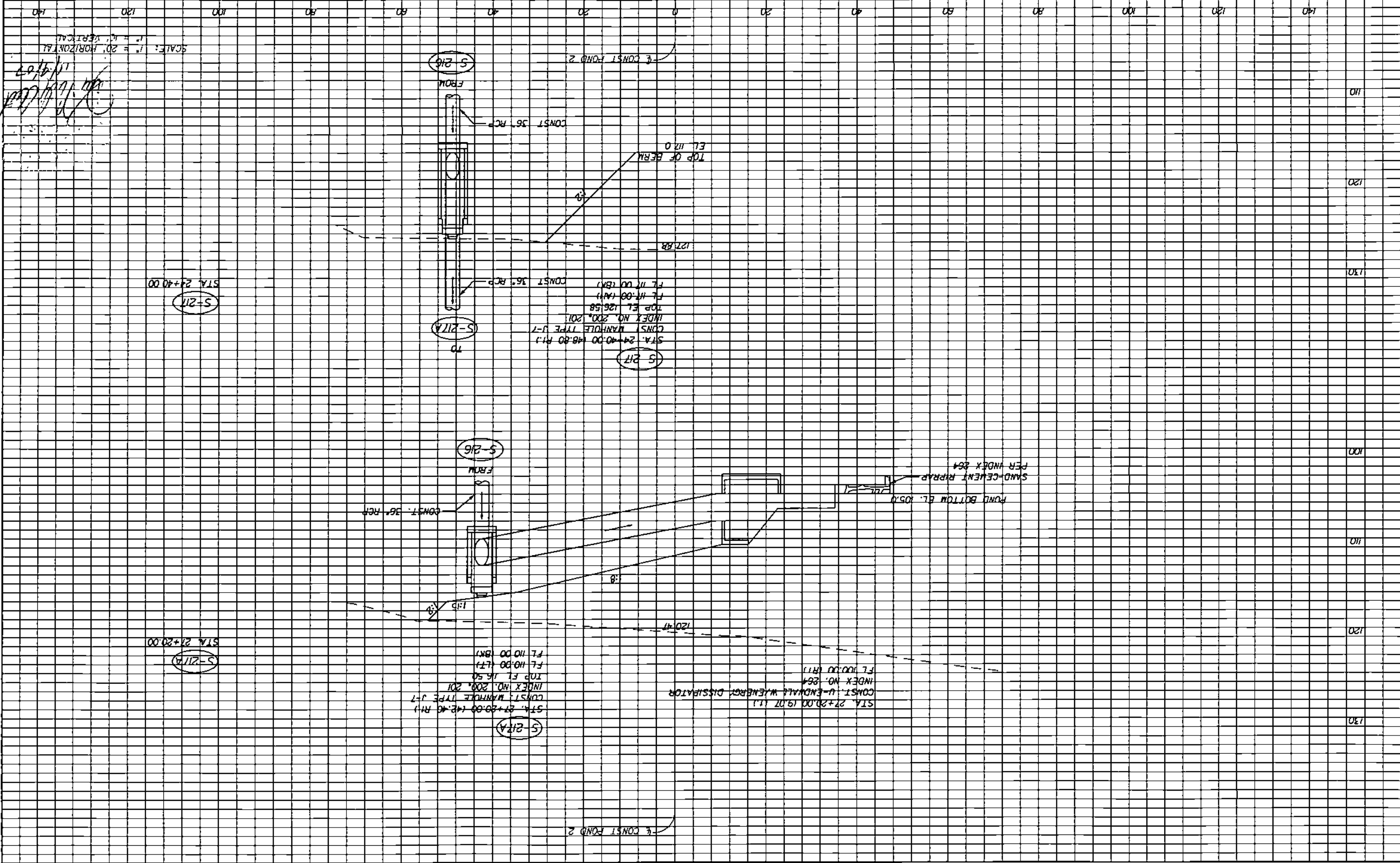
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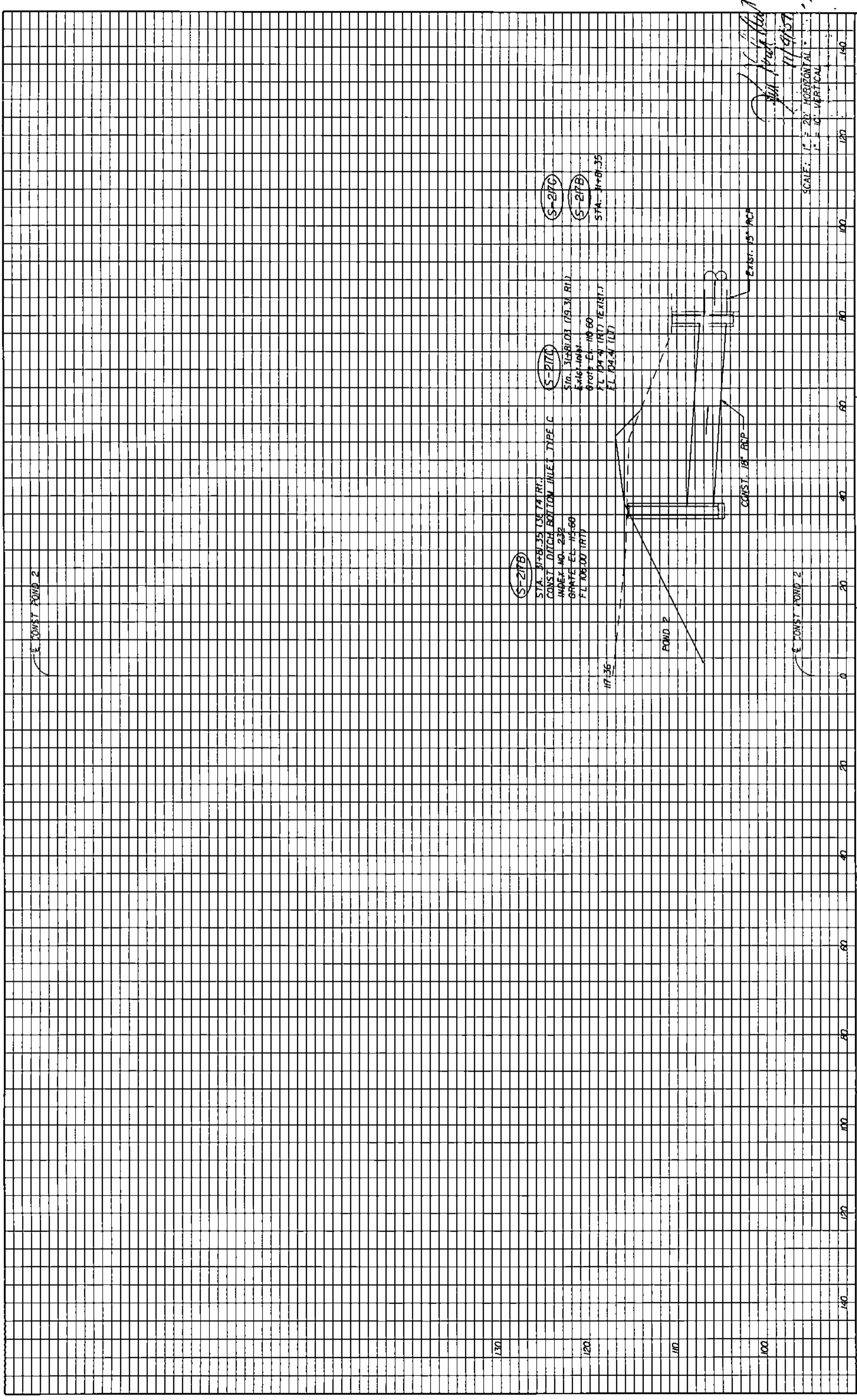


Handwritten notes and signatures in the top left corner of the drawing area.

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(S-217B)  
 STA. 31+81.35 (36.74 RI.)  
 CONST. DITCH BOTTOM INLET TYPE C  
 INDEX NO. 232  
 GRATE EL. 115.60  
 FL 108.00 (RT)

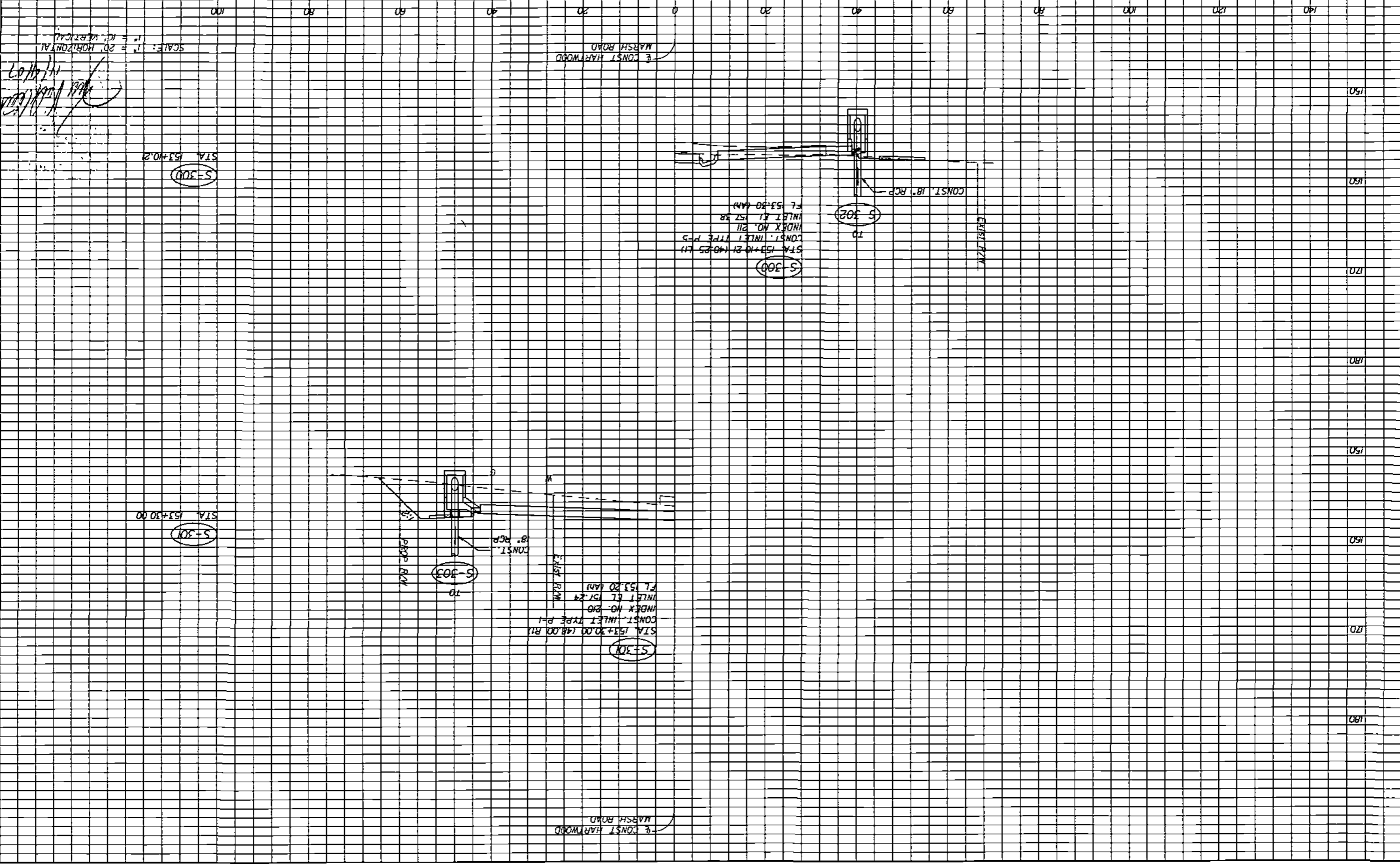
(S-217C)  
 Sta. 31+81.03 (29.31 RI.)  
 Grate 114.14  
 Grate EL. 110.60  
 FL 104.41 (RT) (EXIST.)  
 FL 104.41 (LT)

(S-217B)  
 STA. 31+81.35

*John Paul Wood*  
 11/4/07

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

 <b>LAKE COUNTY</b> FLORIDA	<b>HARTWOOD MARSH</b> ROAD	<b>DRAINAGE STRUCTURE SECTIONS</b> POND 2	SHEET NO. <b>85</b>					<small>           HNTB CORPORATION            300 PRINERA BLVD,            SUITE 200            LAKE WARE, FL 32746            4071 805-0355            CERT. OF AUTH. NO. 6500            ENGINEER OF RECORD: KAREN N. VAN DEN ANWYT, P.E.            FL REGISTRATION NO. 44794         </small>
<b>REVISIONS</b>								
DATE	BY	DESCRIPTION						



DATE BY

REVISIONS DESCRIPTION



HNTB CORPORATION  
300 PHOENIX BLVD,  
SUITE 200  
LAKE WORTH, FL 33746  
CERT. OF AUTH. NO. 6500  
LAKE WORTH, FL 33746  
ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E.  
FL REGISTRATION NO. 44794

LAKE COUNTY  
FLORIDA



HARTWOOD MARSH  
ROAD

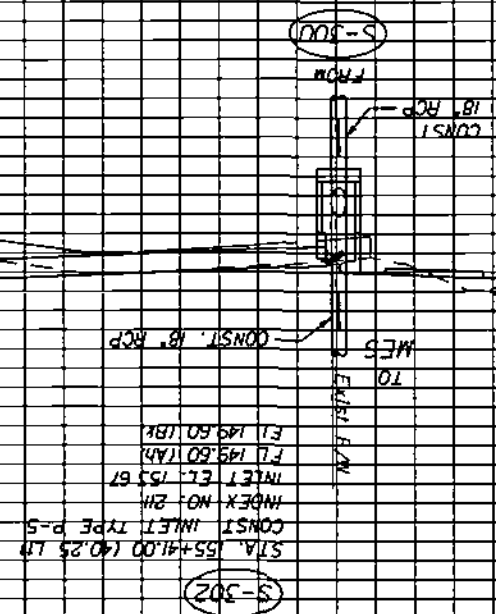
DRAINAGE STRUCTURE SECTIONS  
HARTWOOD MARSH ROAD

87

SHEET NO.

120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900 920 940

E CONST HARTWOOD  
MARSH ROAD

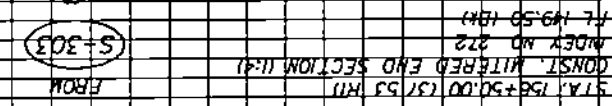


STA. 155+41.00 (40.25 LH)  
CONST. INLET TYPE P-5  
INDEX NO. 211  
INLET EL. 753.67  
FL 149.60 (14H)  
EL 149.60 (18H)

STA. 155+41.00 (48.00 RH)  
CONST. INLET TYPE P-1  
INDEX NO. 210  
INLET EL. 753.67  
FL 149.60 (14H)  
EL 149.60 (18H)

STA. 155+41.00  
S-302  
S-303

STA. 156+50.00



STA. 156+50.00 (37.53 RH)  
CONST. MITERED END SECTION (1:4)  
INDEX NO. 272  
EL 149.50 (18H)

E CONST HARTWOOD  
MARSH ROAD

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

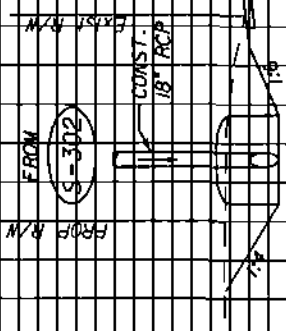
11/9/00  
K. Van Den Avont

11/11/2007 6:21:12 PM

CONST HARTWOOD MARSH ROAD

CONST HARTWOOD MARSH ROAD

STA. 158+78.57 (53.81' L1)  
CONST. MITERED END SECTION (1:4)  
INDEX NO. 222  
FL 19-50 (B)



STA. 156+28.57

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

*Handwritten signature and date: 11/1/07*

DATE	BY	DESCRIPTION

**HNTB**  
 HNTB CORPORATION  
 300 PRIMA BLVD.  
 SUITE 200  
 LAKE MARY, FL 32746  
 (407) 953-0355  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E.  
 FL. REGISTRATION NO. 44794



HARTWOOD MARSH  
ROAD

DRAINAGE STRUCTURE SECTIONS  
HARTWOOD MARSH ROAD

SHEET NO.

87A

**HNTB**  
 HNTB CORPORATION  
 300 PRINCE BLVD.  
 SUITE 200  
 LAKE MARY, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD: KAREN N VAN DEN AVONT, P.E.  
 FL REGISTRATION NO. 44794

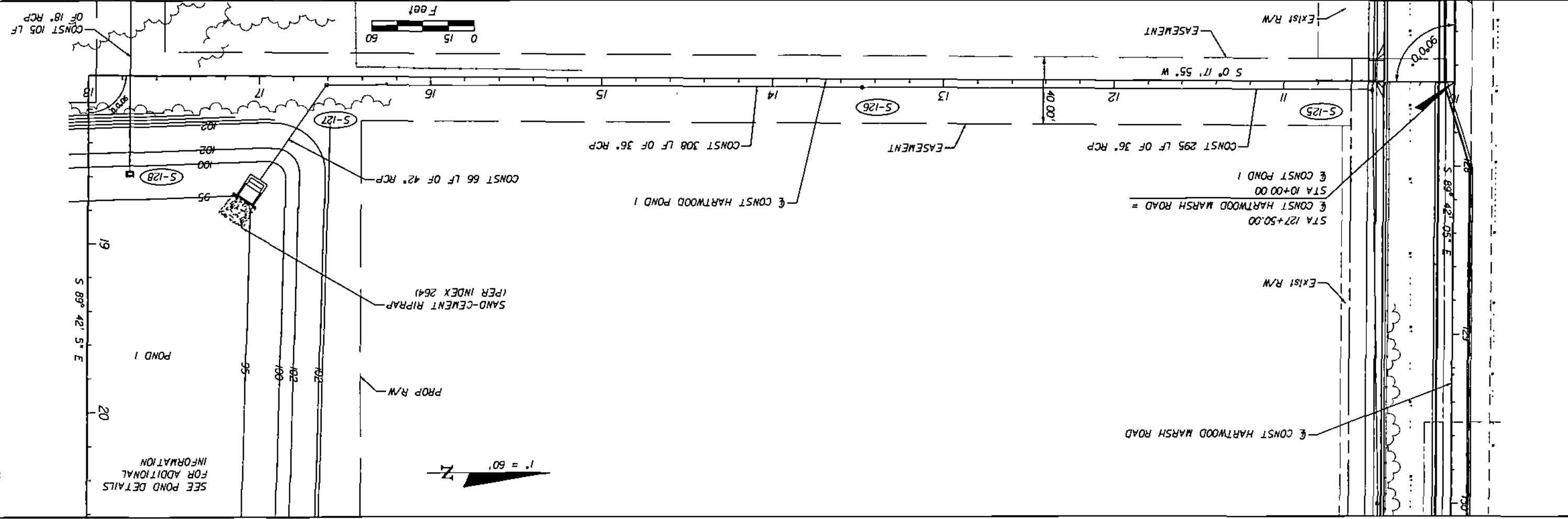
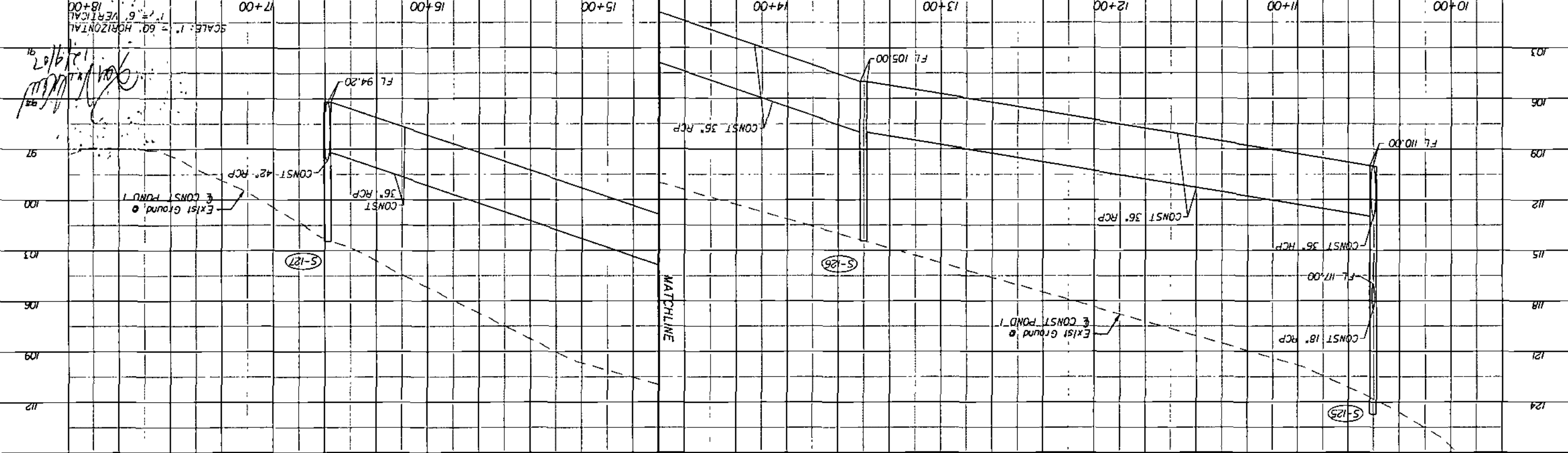
LAKE COUNTY  
 FLORIDA

HARTWOOD MARSH  
 ROAD - PHASE I

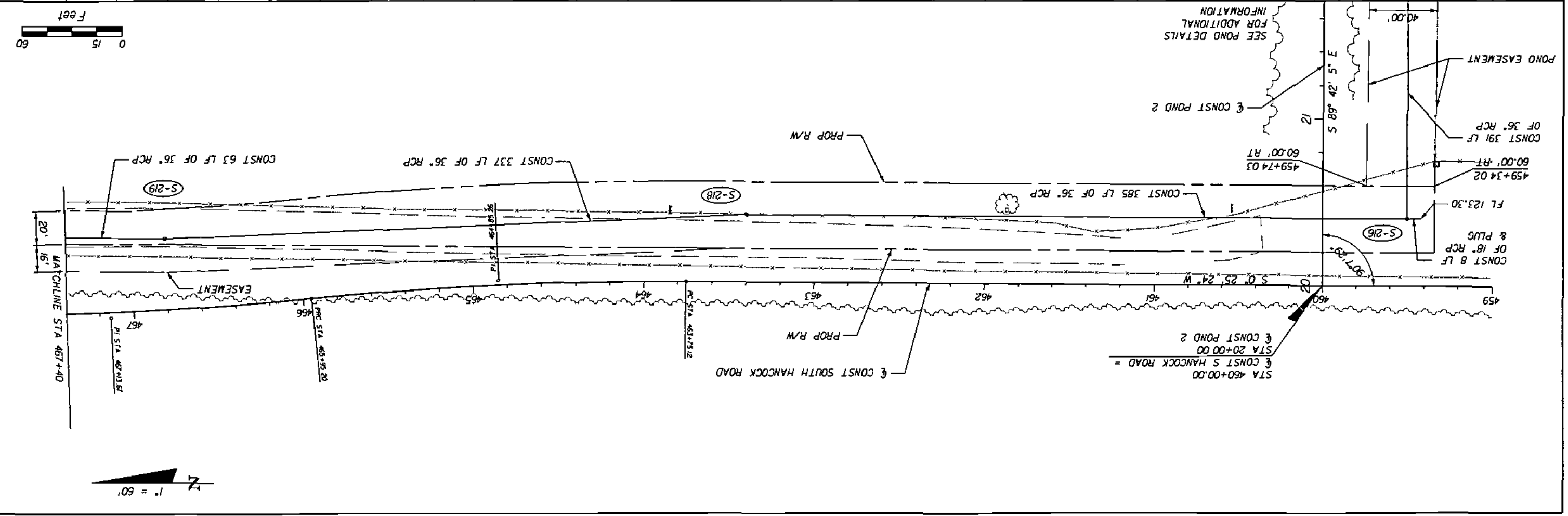
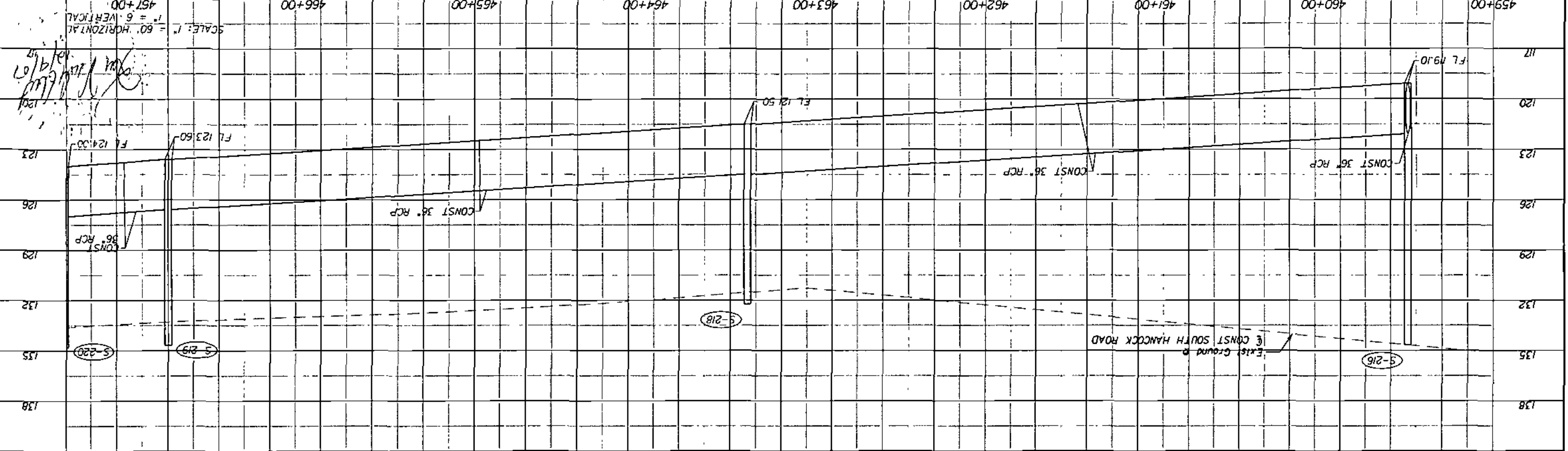
PLAN AND PROFILE  
 POND 1 OUTFALL

88  
 SHEET NO.

DATE	BY	DESCRIPTION



SEE POND DETAILS  
 FOR ADDITIONAL  
 INFORMATION



**HNTB**  
 HNTB CORPORATION  
 300 PRIMAVERA BLVD.  
 SUITE 200  
 LAKE WARE, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD, KAREN A. VAN DEN AVONT, P.E.  
 FL REGISTRATION NO. 44794

LAKE COUNTY  
 FLORIDA

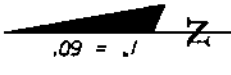
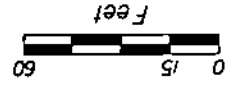
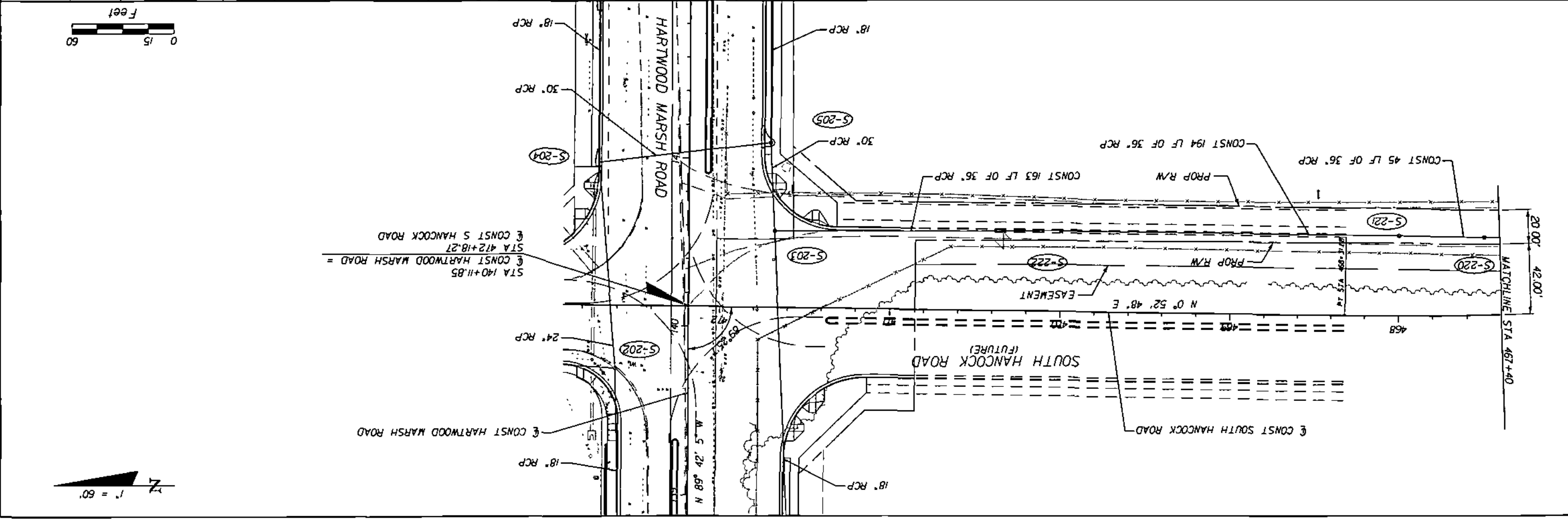
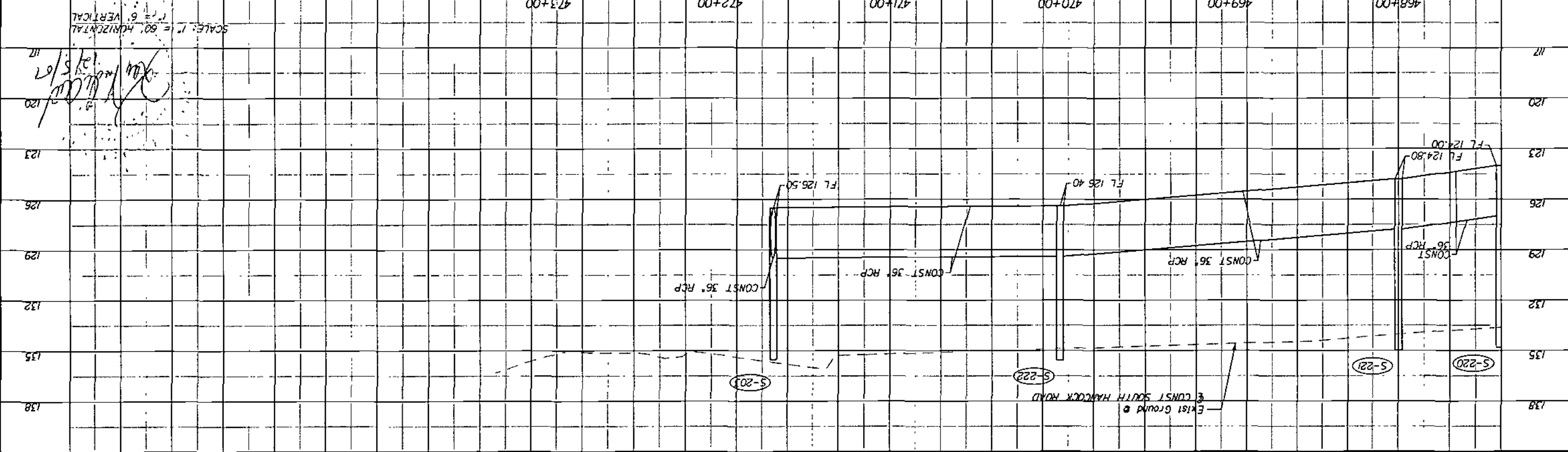
**HARTWOOD MARSH ROAD - PHASE I**

**PLAN AND PROFILE**  
**POND 2 OUTFALL**

SHEET NO. 90

DATE	BY	DESCRIPTION

REVISIONS



SCALE: 1" = 60' HORIZONTAL  
 1" = 6' VERTICAL

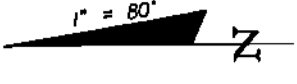
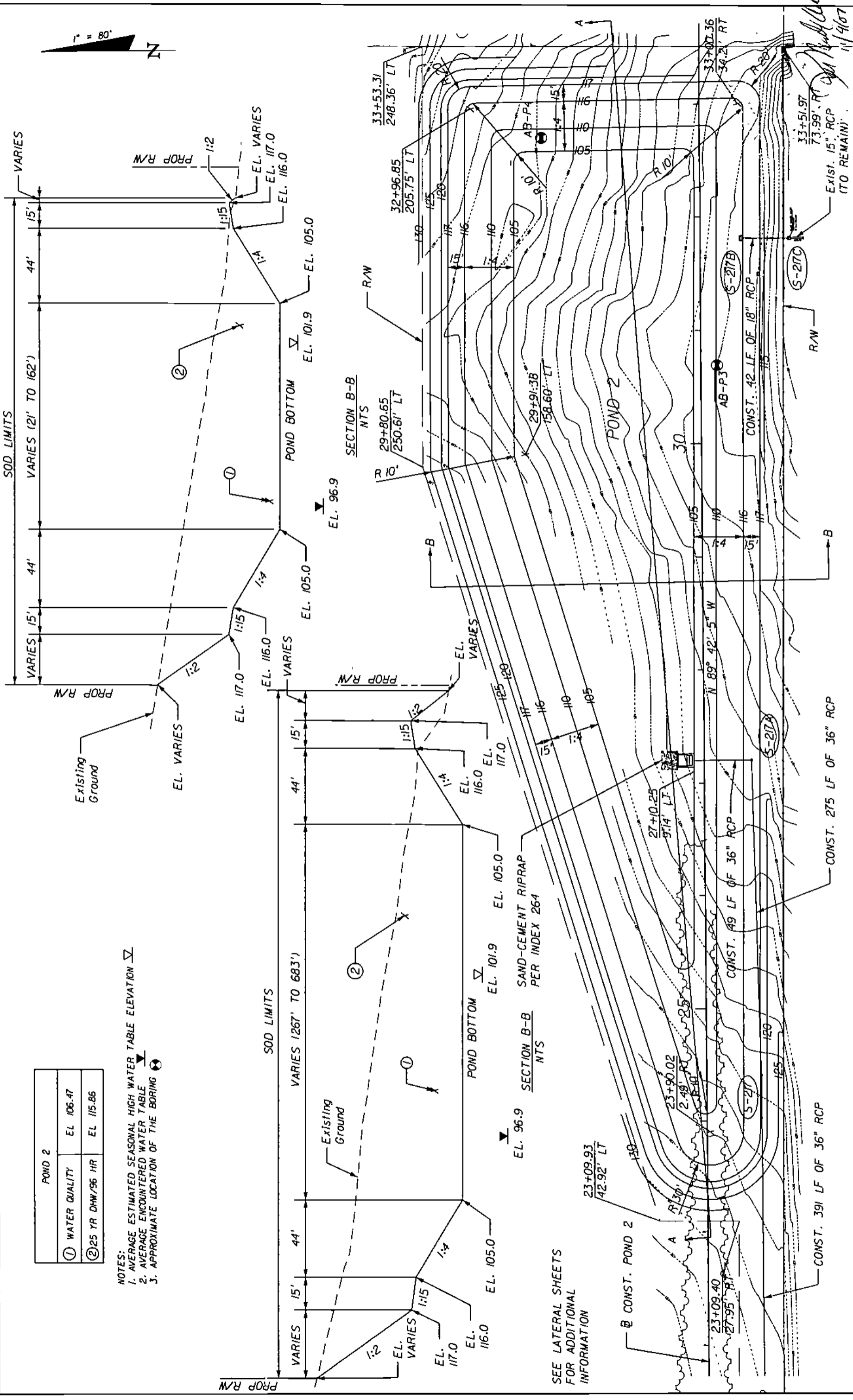
*Handwritten notes and signatures:*  
 2/5/17  
 [Signature]





POND 2	
① WATER QUALITY	EL 106.47
② 25 YR DMW/96 HR	EL 115.86

NOTES:  
 1. AVERAGE ESTIMATED SEASONAL HIGH WATER TABLE ELEVATION  $\nabla$   
 2. AVERAGE ENCOUNTERED WATER TABLE  $\nabla$   
 3. APPROXIMATE LOCATION OF THE BORING  $\odot$



			<b>HARTWOOD MARSH ROAD</b>	<b>POND DETAL SHEET</b>	SHEET NO. <b>92</b>
HNTB CORPORATION 300 PRIMA BLVD. SUITE 200 LAKE MARSH, FL 32746 (407) 805-0355 CERT. OF AUTH. NO. 6500	<b>LAKE COUNTY</b> FLORIDA	<b>POND 2</b>	<b>POND 2</b>	<b>POND 2</b>	11/9/07
<b>REVISIONS</b> DATE BY DESCRIPTION					
ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E. FL REGISTRATION NO. 44794					

DATE BY

REVISIONS DESCRIPTION

**HNTB**  
 HNTB CORPORATION  
 300 PALMERA BLVD.  
 SUITE 200  
 LAKE WARE, FL 32746  
 (407) 805-0355  
 CENT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD - KAREN M. VAN DEN AMONT, P.E.  
 FL REGISTRATION NO. 44794

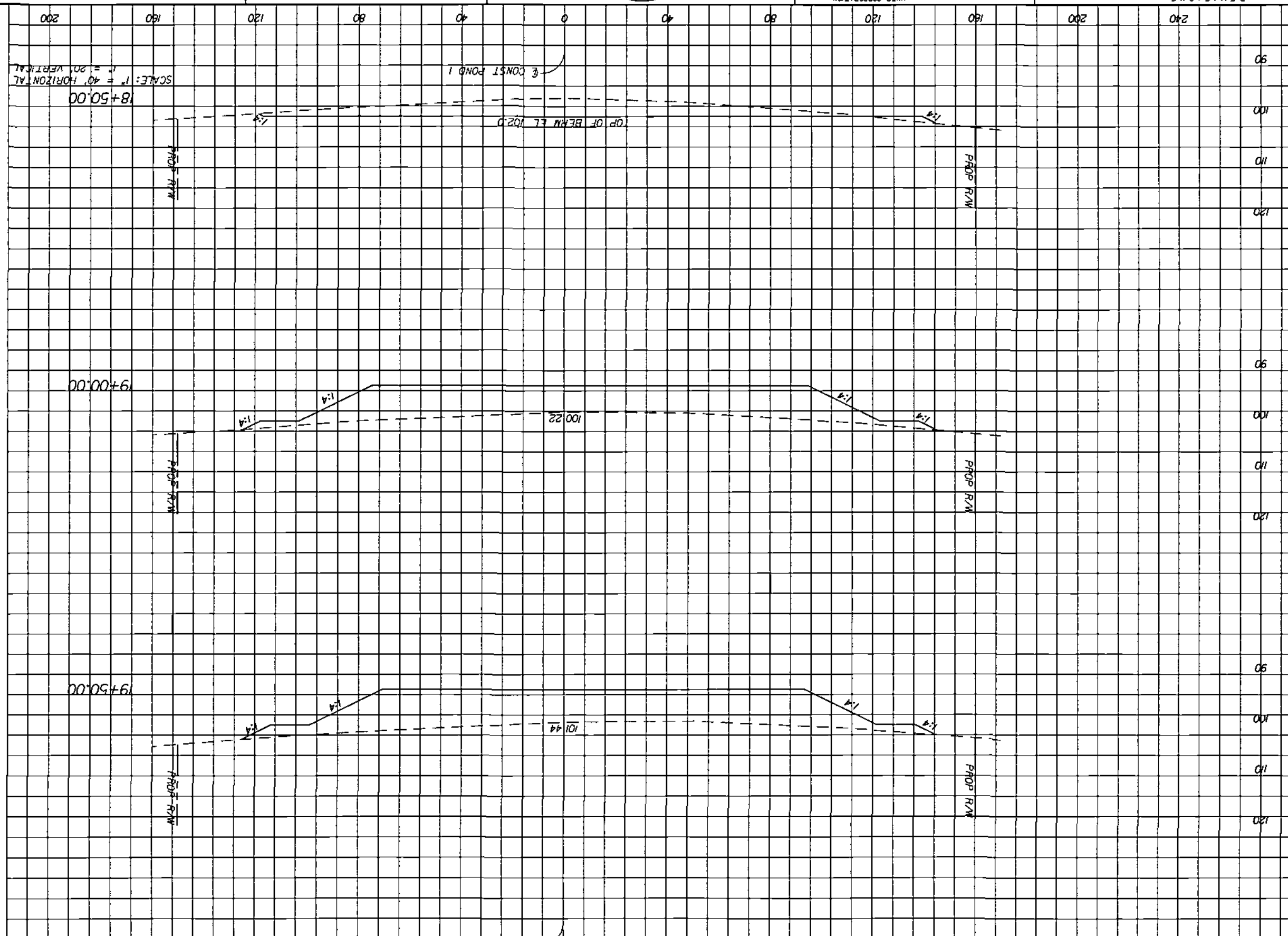
LAKE COUNTY  
 FLORIDA



HARTWOOD MARSH  
 ROAD - PHASE I

CROSS SECTIONS  
 POND I

93  
 SHEET NO.



SCALE: 1" = 40' HORIZONTAL  
 1" = 20' VERTICAL

EXIST. CONST. POND I

EXIST. CONST. POND I

*Handwritten notes:*  
 11/14/07  
 [Signature]

Regular Exc. A  
 Embankment A V



DATE \_\_\_\_\_ BY \_\_\_\_\_

REVISIONS  
DESCRIPTION



HNTB CORPORATION  
300 PHOENIX BLVD.  
SUITE 200  
LAKE WALKER, FL 32746  
(407) 805-0355  
CENT. OF AUTH. NO. 6500  
ENGINEER OF RECORD, KAREN M. VAN DEN AVONT, P.E.  
FL. REGISTRATION NO. 44794

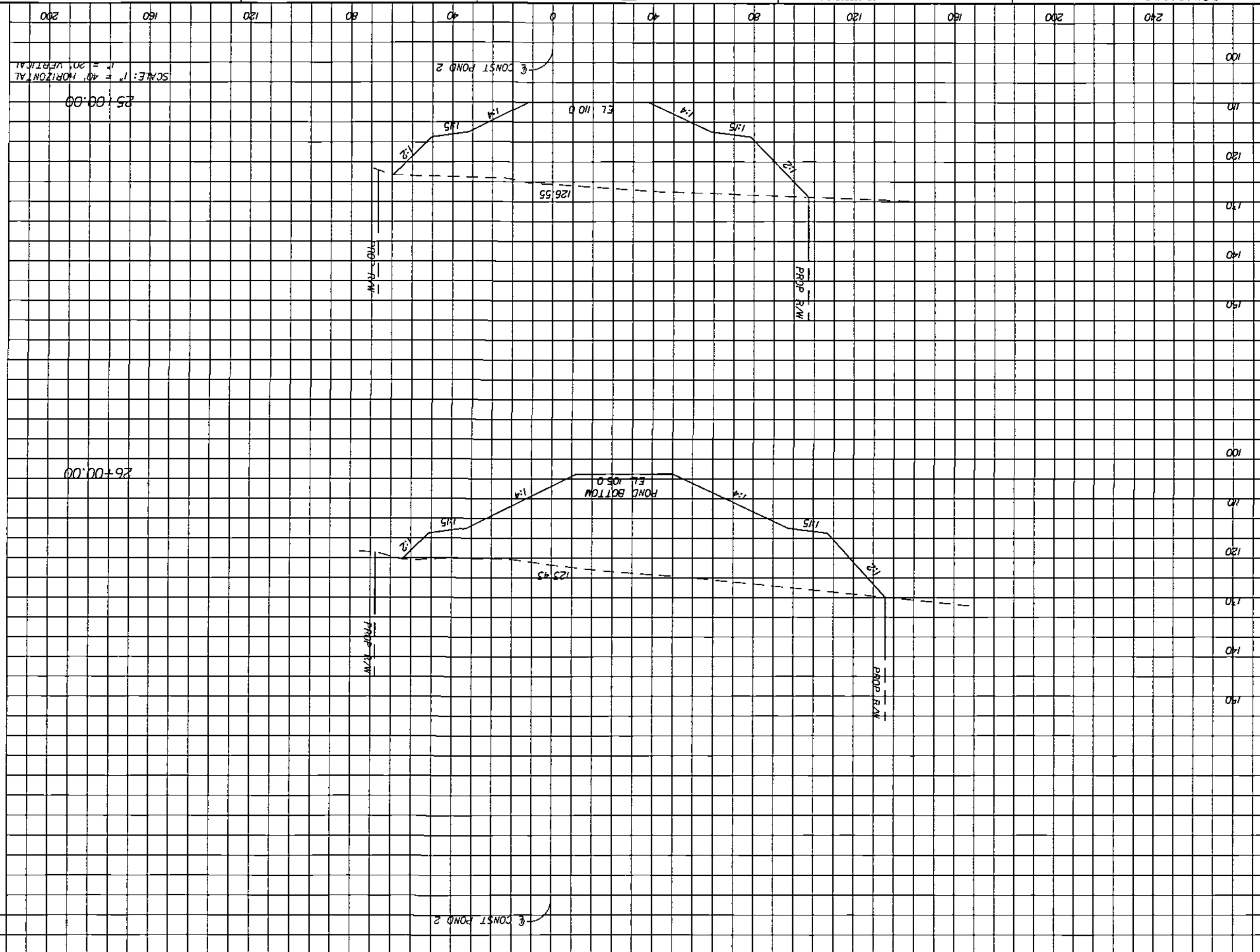
LAKE COUNTY  
FLORIDA



# HARTWOOD MARSH ROAD - PHASE 1

# CROSS SECTIONS POND 2

SHEET NO. 95



1994

8290

2483

*Handwritten notes:*  
11/2/07  
[Signature]

Regular Exc. V  
Embankment A V

EXIST. POND 2

**HNTB**  
 HNTB CORPORATION  
 300 PRIMAVERA BLVD.  
 SUITE 200  
 LAKE WARE, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E.  
 FL REGISTRATION NO. 44794

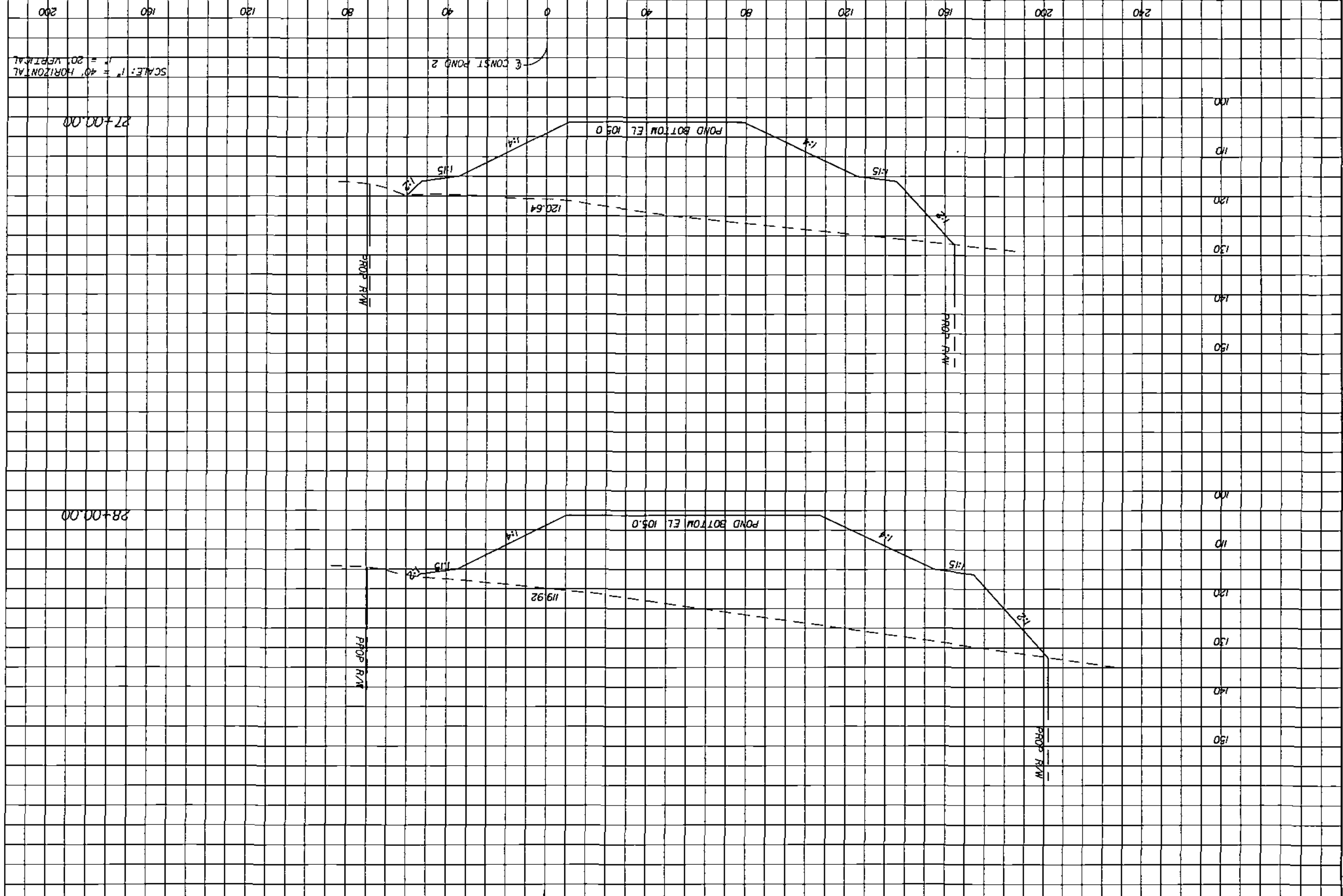


**HARTWOOD MARSH  
 ROAD - PHASE I**

**CROSS SECTIONS  
 POND 2**

SHEET NO. 910

DATE	BY	DESCRIPTION



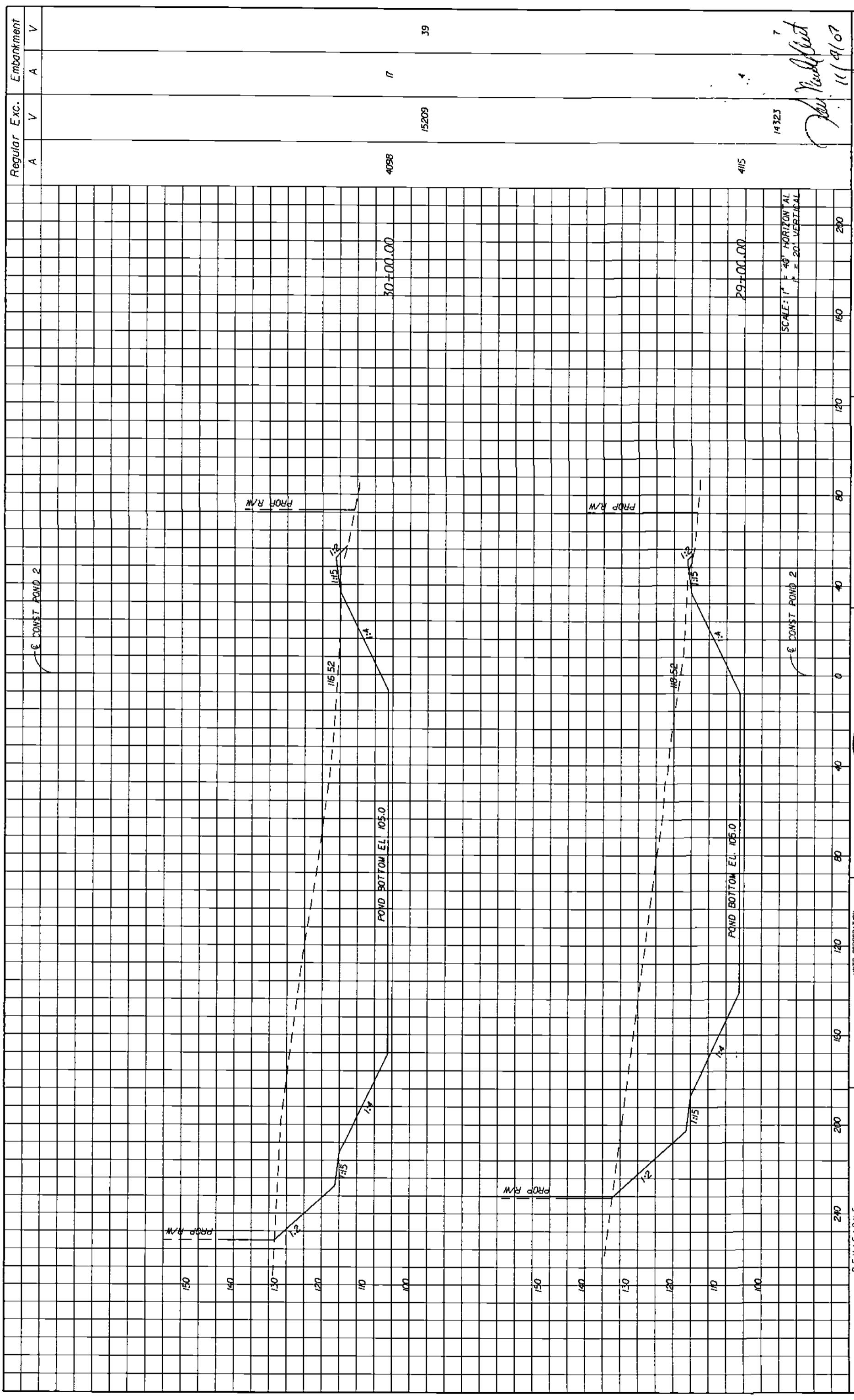
Regular Exc. A  
 Embankment A V

9856  
 2840  
 0  
*Handwritten notes and signatures*

11961  
 3619  
 0  
 0

Regular Exc. A  
 Embankment A V

Regular Exc. A  
 Embankment A V



Regular Exc.		Embankment	
A	V	A	V
4098	15209	17	39
4115	14323	4	7

SCALE: 1" = 40' HORIZONTAL  
1" = 20' VERTICAL

*John Van Dyke*  
11/9/07

<p><b>HNTB</b> HNTB CORPORATION 300 PRINERA BLVD. SUITE 200 LAKE MARSH, FL 33746 CERT. OF AUTH. NO. 6500</p>		<p><b>LAKE COUNTY</b> FLORIDA</p>	<p><b>HARTWOOD MARSH</b> <b>ROAD - PHASE I</b></p>	<p><b>CROSS SECTIONS</b> <b>POND 2</b></p>	<p>SHEET NO. <b>97</b></p>						
<p>ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E. FL REGISTRATION NO. 44794</p>	<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	DATE	BY	DESCRIPTION				<p>11/7/2007 6:29:37 PM \\srm00\work\1105\110501\110501.dwg 07/15/07</p>			
DATE	BY	DESCRIPTION									

101

SHEET NO.

# CROSS SECTIONS HARTWOOD MARSH ROAD

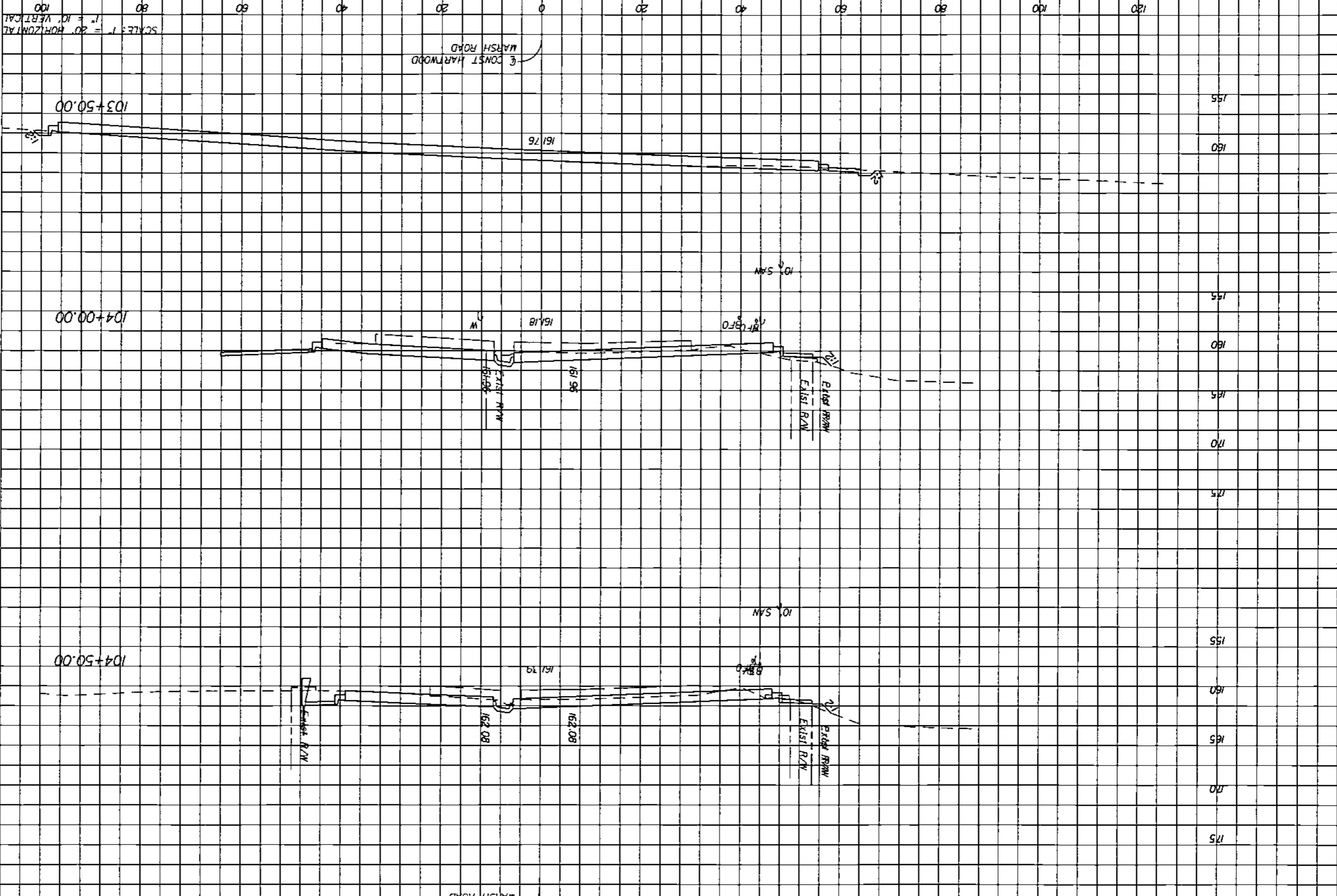
# HARTWOOD MARSH ROAD - PHASE I

LAKE COUNTY  
FLORIDA



**HNTB**  
 HNTB CORPORATION  
 300 PRINCE BLVD.  
 SUITE 200  
 LAKE WORTH, FL 32746  
 (407) 805-0355  
 CERT. OF ALTH. NO. 6500  
 ENGINEER OF RECORD KAREN M. VAN DEN AVONT, P.E.  
 FL. REGISTRATION NO. 44794

DATE BY DESCRIPTION



Regular Exc. A  
 Embankment A  
 V

CONST. HARTWOOD  
 MARSH ROAD

*Handwritten notes and signatures:*  
 11/14/07  
 [Signature]

172  
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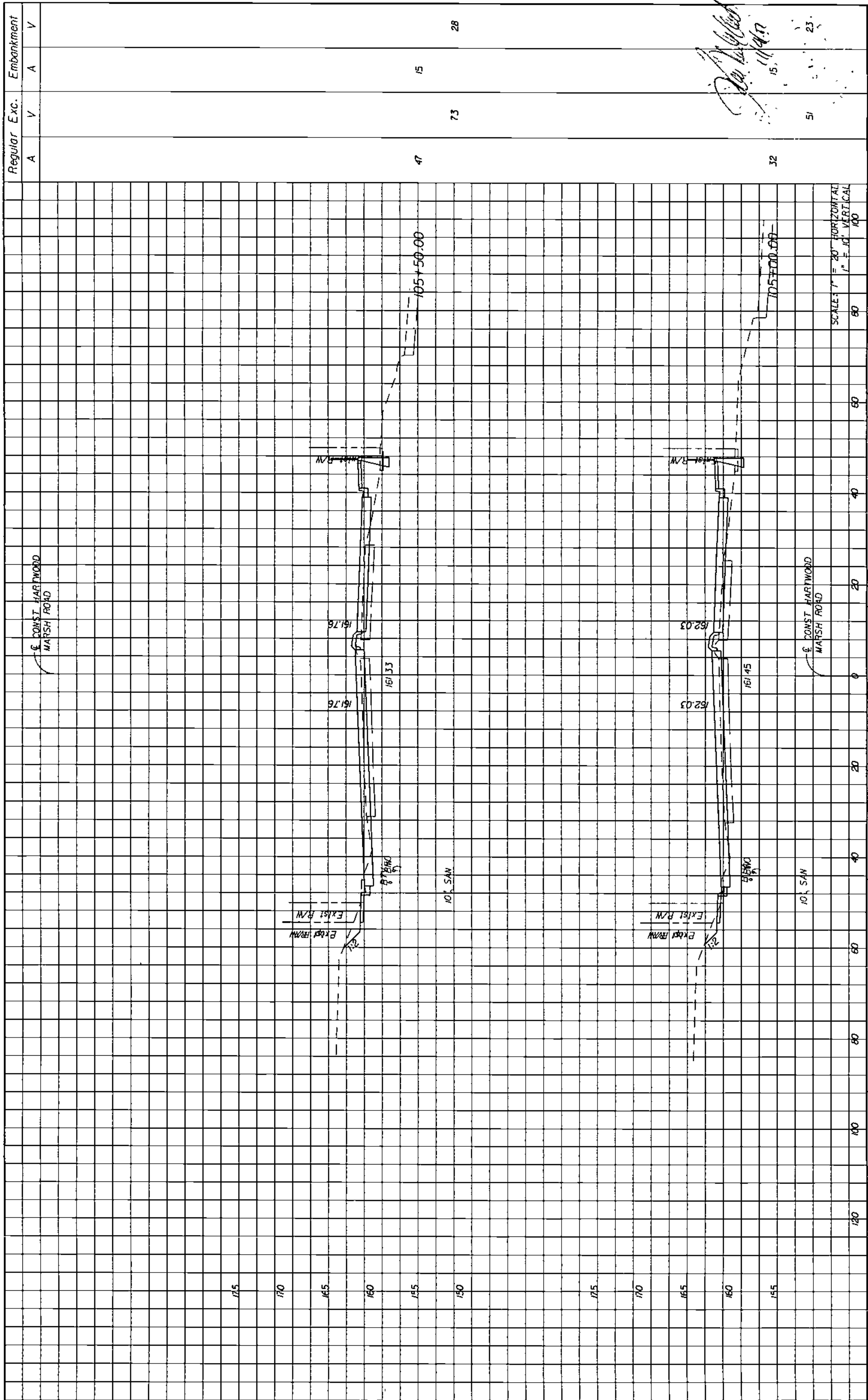
A

V

A

V





*Handwritten signature and date:*  
 11/14/17  
 15' 23'

Regular Exc.		Embankment	
A	V	A	V
47	73	15	28
32	51	15	23

DATE	BY	DESCRIPTION
<b>HNTB</b> HNTB CORPORATION 300 PRIMA BLVD. SUITE 200 LAKE MARSH, FL 32746 1-407-805-0355 CERT. OF AUTH. NO. 6500 ENGINEER OF RECORD: KAREN W. VAN DEN AVONT, P.E. FL REGISTRATION NO. 44794		
 LAKE COUNTY FLORIDA		
HARTWOOD MARSH ROAD - PHASE I		
CROSS SECTIONS HARTWOOD MARSH ROAD		
SHEET NO		102

DATE

BY

REVISIONS  
DESCRIPTION

**HNTB**

HNTB CORPORATION  
300 PRIMAVERA BLVD.  
LAKE WARE, FL 32746  
LAKE WARE, FL 32746  
1001 B05-0355  
CERT. OF AUTH. NO. 6500  
ENGINEER OF RECORD: KAREN N. VAN DEN AVONT, P.E.  
FL REGISTRATION NO. 44754

LAKE COUNTY  
FLORIDA

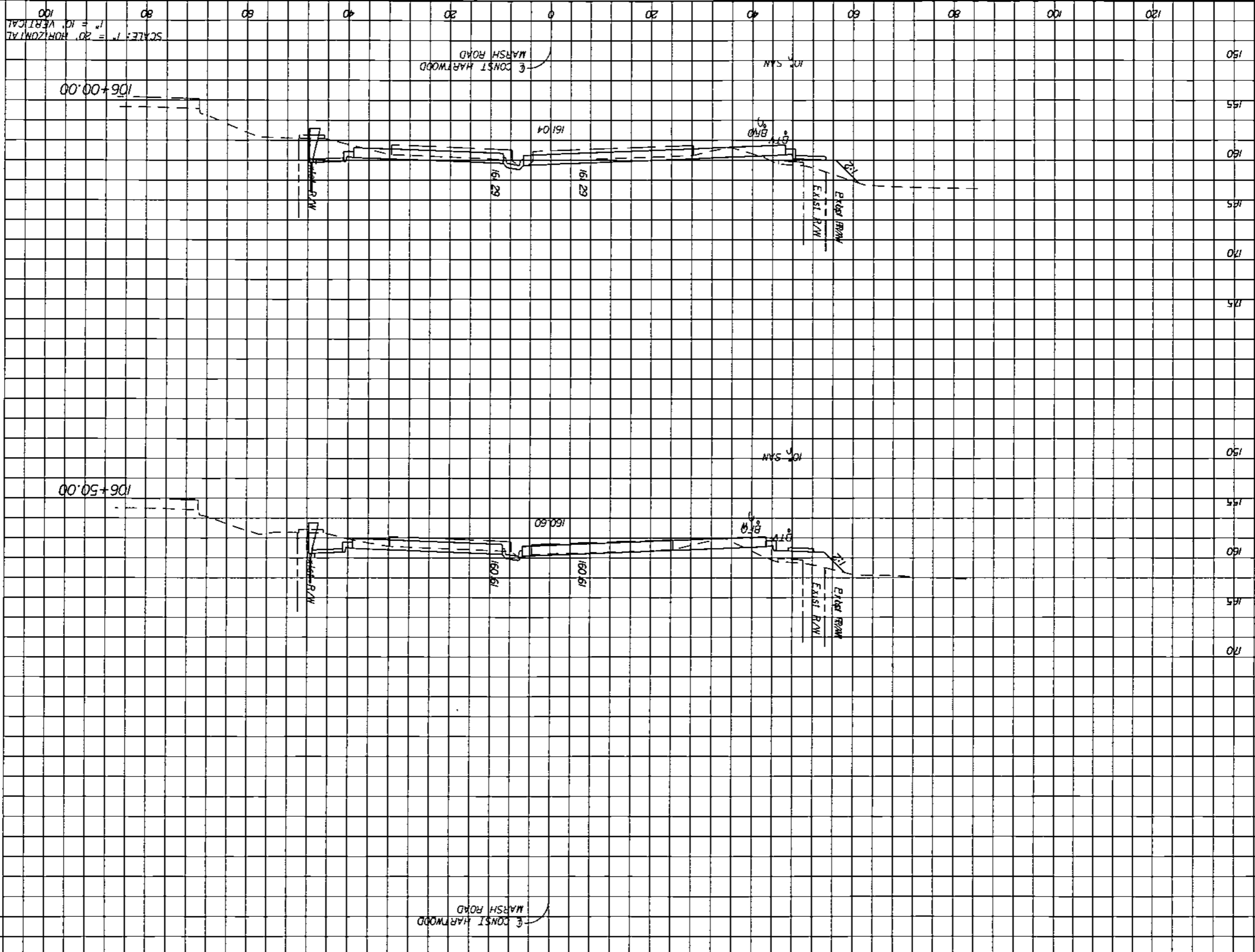


HARTWOOD MARSH  
ROAD - PHASE I

CROSS SECTIONS  
HARTWOOD MARSH ROAD

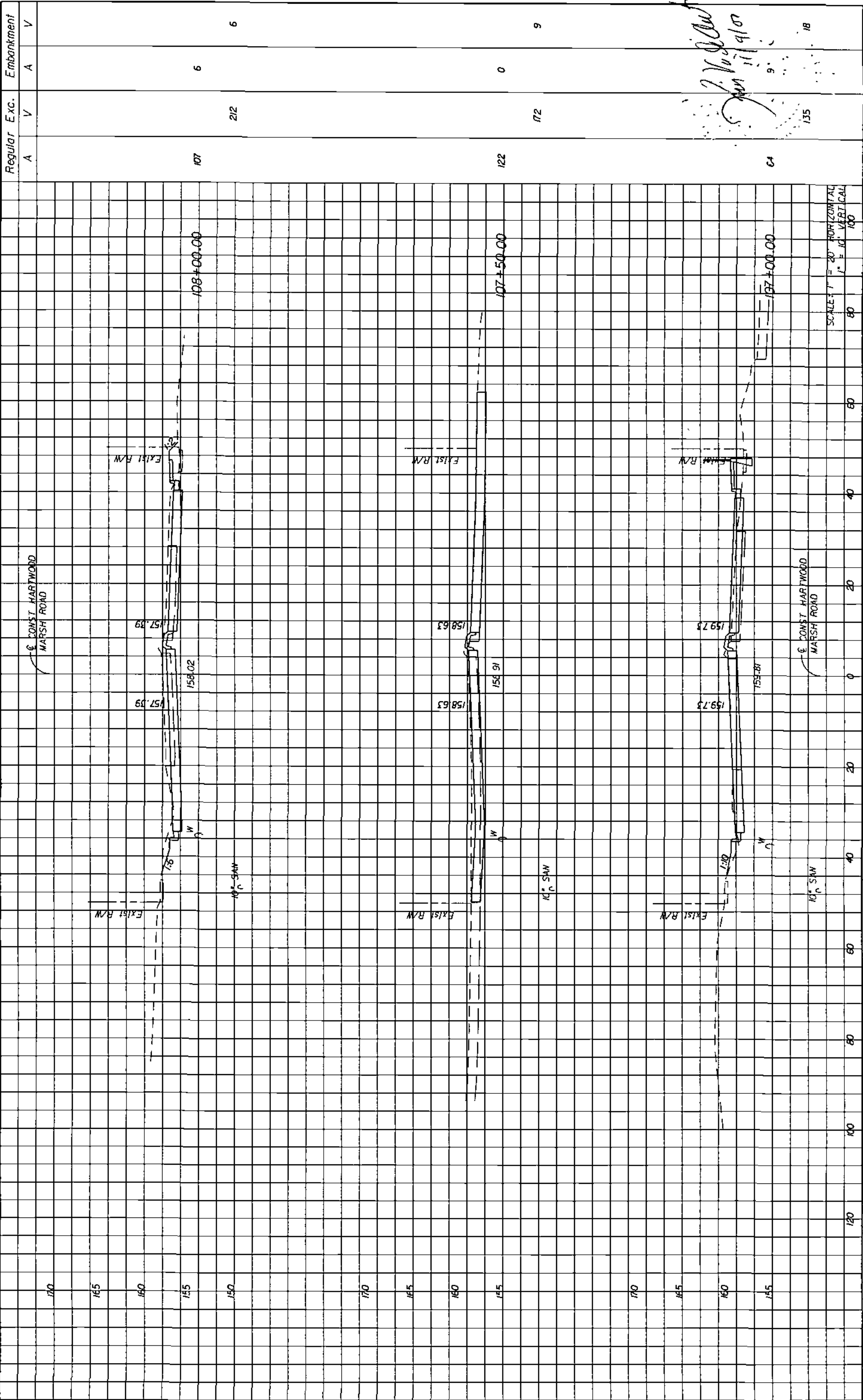
103

SHEET  
NO.



Handwritten notes and signatures in the left margin, including a signature and the date 11/14/17.

Regular Exc. A  
Embankment A V

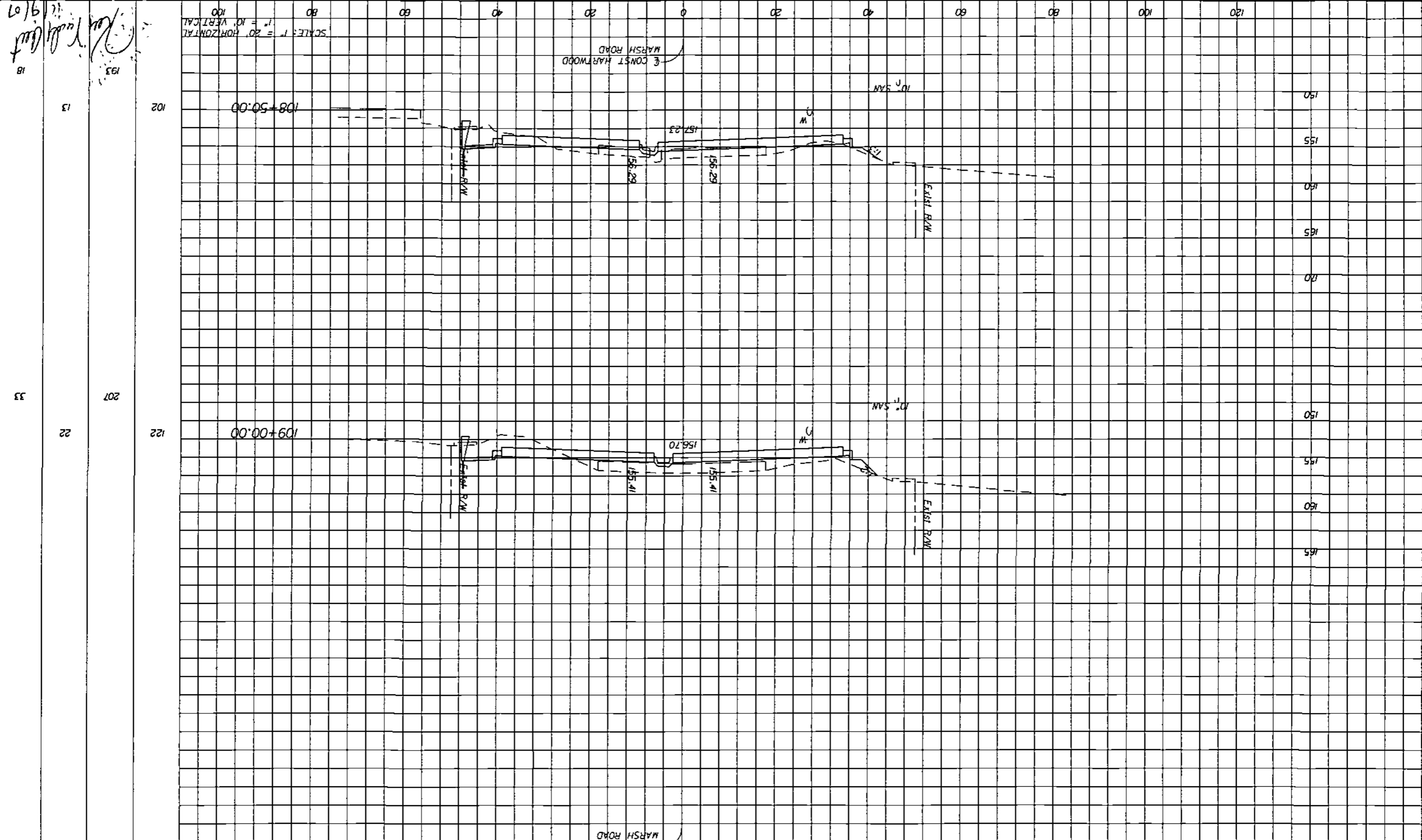


SCALE: 1" = 20' HORIZONTAL  
1" = 10' VERTICAL

*John Van Dyke*  
Jan 11 9/10  
9  
135  
18

Regular Exc.		Embankment	
A	V	A	V
107	212	6	6
122	172	0	9
64	135		

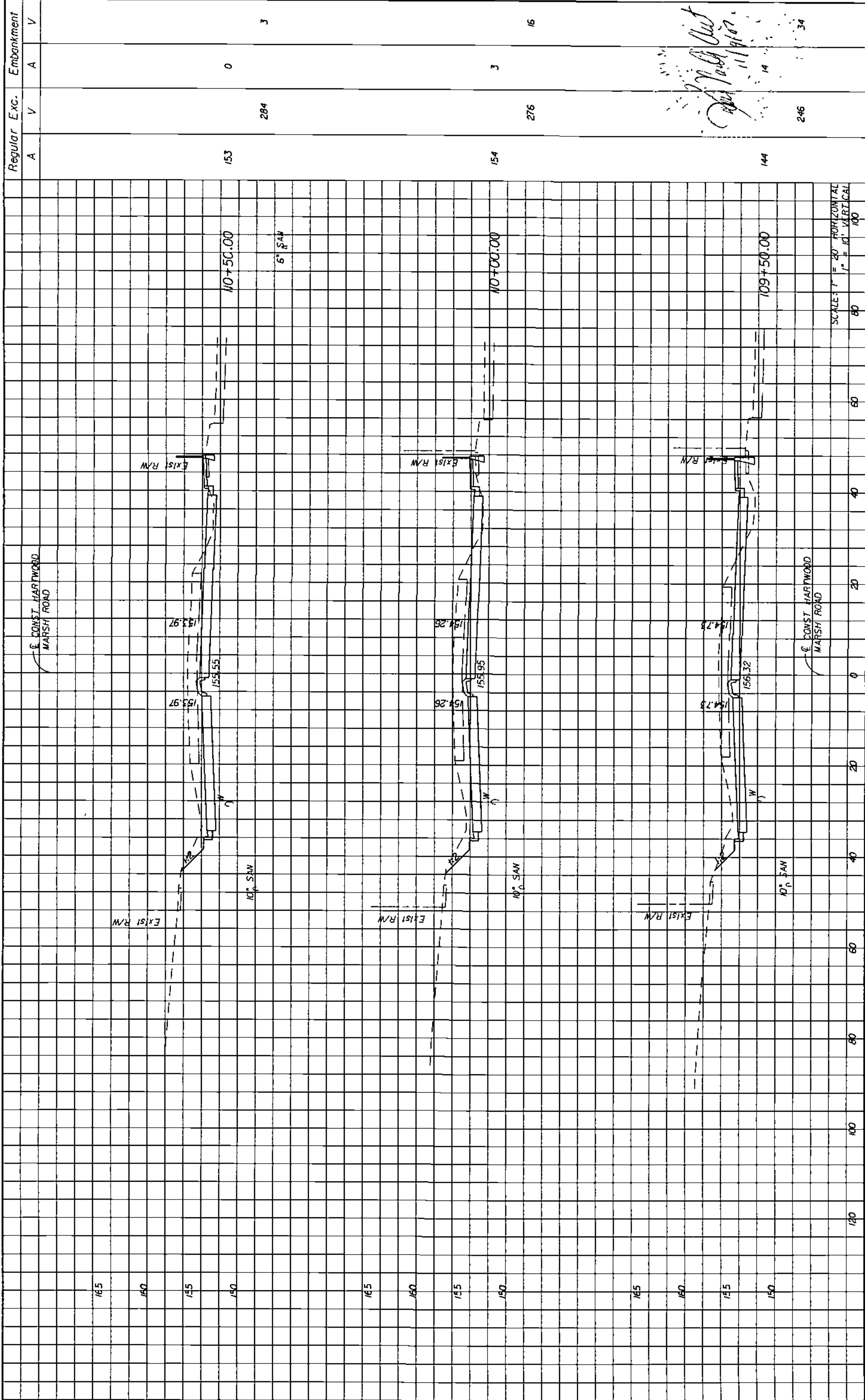
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<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						DATE	BY	DESCRIPTION			
DATE	BY	DESCRIPTION									



105 SHEET NO. 13 102 108+50.00 150 155 160 165 170  
 33 207 22 122 150 155 160 165  
 Regular Exc. A V  
 Embankment A V

105  
 SHEET NO.  
 13  
 102  
 108+50.00  
 150  
 155  
 160  
 165  
 170

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 122  
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 165

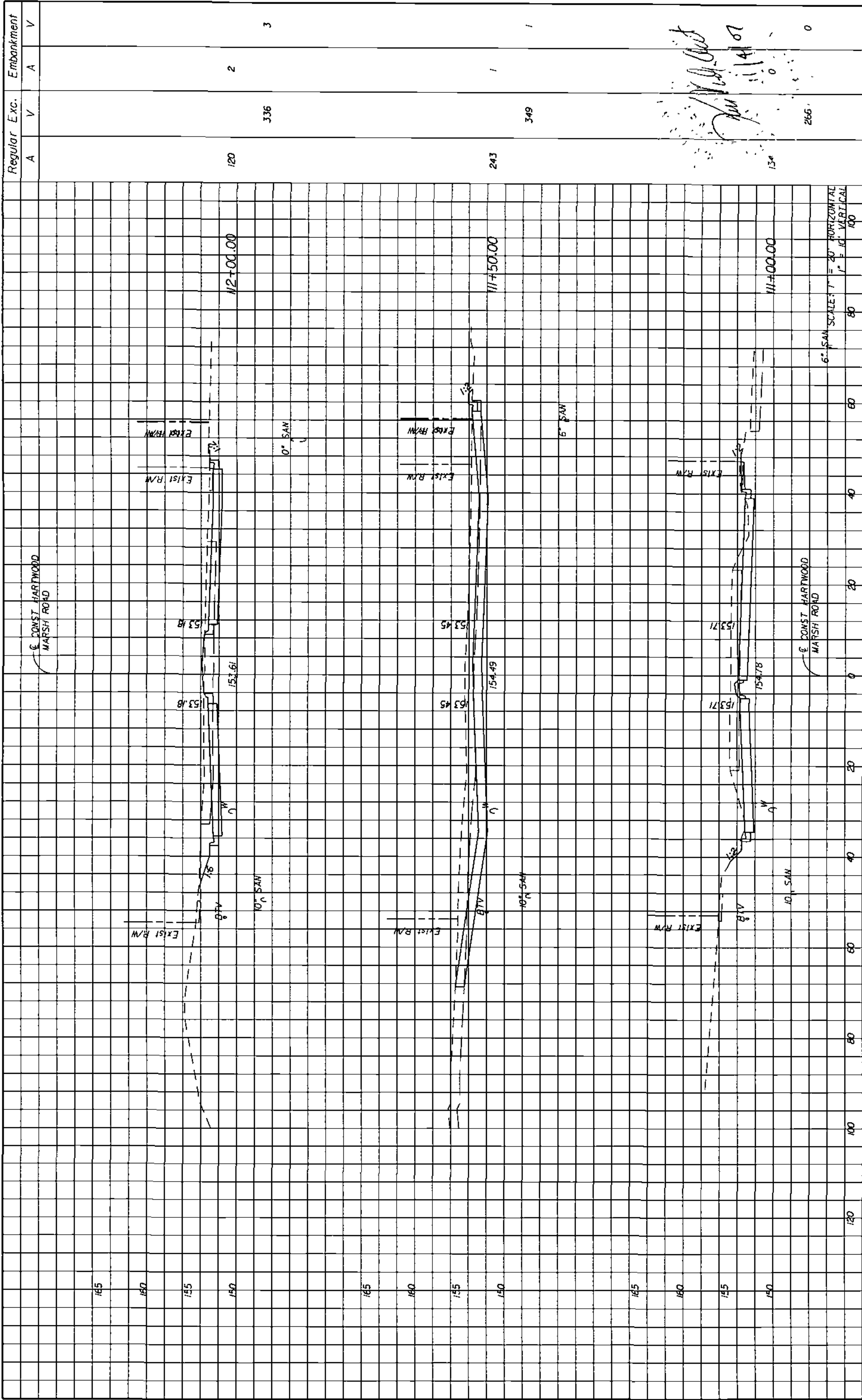


SCALE: 1" = 20' HORIZONTAL  
1" = 10' VERTICAL

*Handwritten notes and signatures:*  
 11/14/10  
 [Signature]

Regular Exc.		Embankment	
A	V	A	V
153	284	0	3
154	276	3	16
144	246		34

<b>HNTB</b> HNTB CORPORATION 300 PRIMA BLVD. SUITE 200 LAKE MARY, FL 32746 (407) 825-0355 CERT. OF AUTH. NO. 6500 ENGINEER OF RECORD: KAREN M VAN DEN ANONT, P.E. FL REGISTRATION NO. 44794		LAKE COUNTY FLORIDA		HARTWOOD MARSH ROAD - PHASE I		CROSS SECTIONS HARTWOOD MARSH ROAD		SHEET NO. 100
REVISIONS DATE BY DESCRIPTION								



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

Regular Exc.		Embankment	
A	V	A	V
120	336	2	3
243	349	1	1
134	266	0	0

DATE		BY		REVISIONS		DESCRIPTION	
<p><b>HNTB</b>          HNTB CORPORATION          301 PRIMA BLVD.          SUITE 400          LAKE WORTH, FL 33746          (407) 865-0358          CERT. OF AUTH. NO. 6500          ENGINEER OF RECORD KAREN M. VAN DEN AVONT, P.E.          FL REGISTRATION NO. 44794</p>							
LAKE COUNTY FLORIDA				HARTWOOD MARSH ROAD - PHASE I		CROSS SECTIONS HARTWOOD MARSH ROAD	
						SHEET NO 107	

DATE BY

REVISIONS DESCRIPTION

**HNTB**

HNTB CORPORATION  
300 PHOENIX BLVD.  
SUITE 200  
LAKE HAVEN, FL 32746  
(407) 885-0355  
CERT. OF AUTH. NO. 5500  
ENGINEER OF RECORD, KAREN A. VAN DEN ANONT, P.E.  
FL REGISTRATION NO. 44294



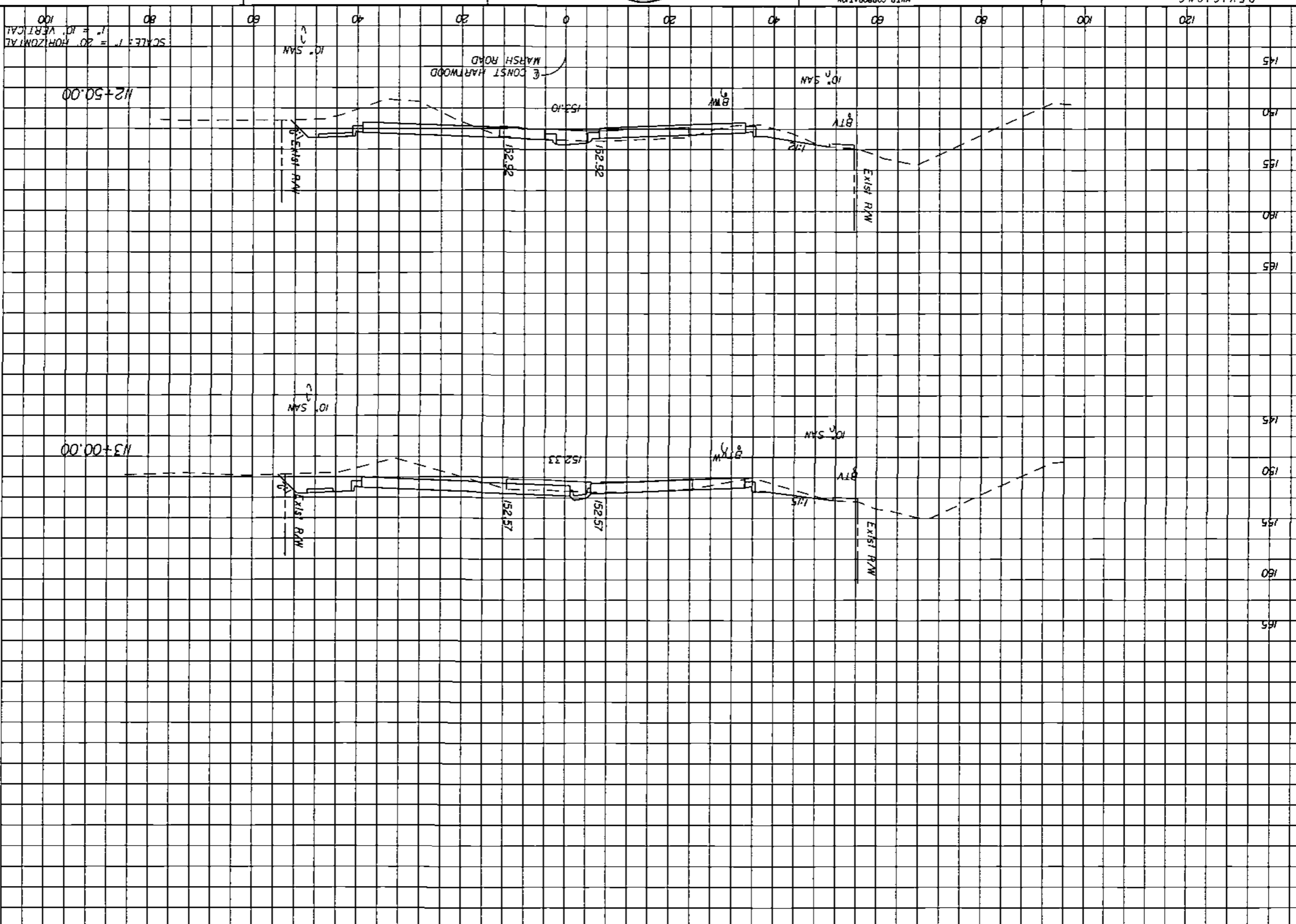
LAKE COUNTY  
FLORIDA

**HARTWOOD MARSH ROAD - PHASE I**

**CROSS SECTIONS  
HARTWOOD MARSH ROAD**

108

SHEET NO.



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

Handwritten notes and signatures, including '10/14/07' and 'J. Van Den Anont'.

Regular Exc. A  
Embankment A V

CONST. HARTWOOD MARSH ROAD

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DATE \_\_\_\_\_ BY \_\_\_\_\_

REVISIONS  
DESCRIPTION

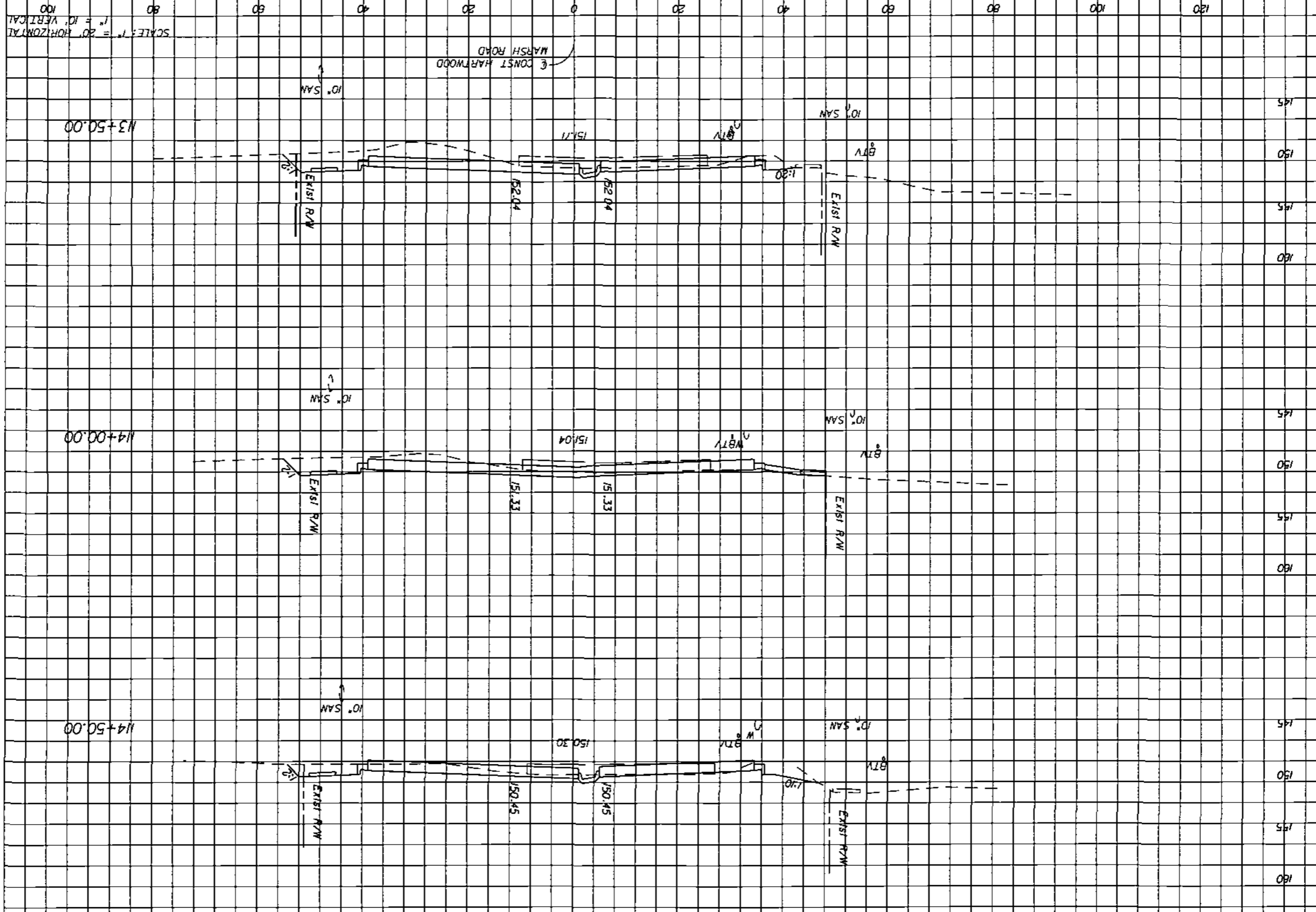
**HNTB**  
HNTB CORPORATION  
300 PRIMAVERA BLVD.  
LAKE MARY, FL 32746  
(407) 905-0355  
CERT. OF AUTH. NO. 6500  
FL REGISTRATION NO. 44794  
ENGINEER OF RECORD: KAREN M. VAN DEN ADONT, P.E.

LAKE COUNTY  
FLORIDA

**HARTWOOD MARSH ROAD - PHASE I**

**CROSS SECTIONS  
HARTWOOD MARSH ROAD**

109  
SHEET NO.



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

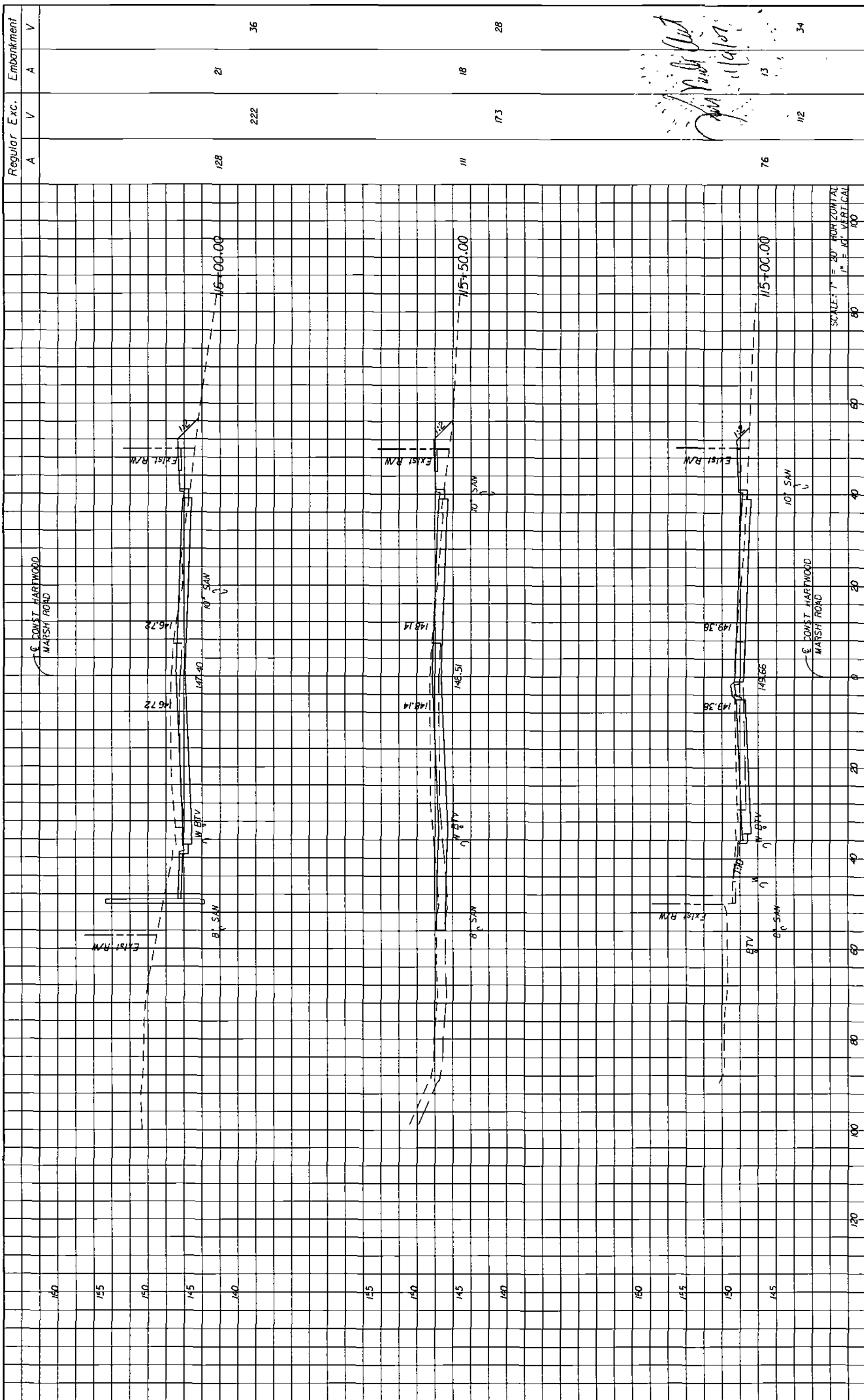
EXIST. HARTWOOD MARSH ROAD

EXIST. HARTWOOD MARSH ROAD

Regular Exc. A  
Embankment A V

Handwritten notes and signatures in the left margin.



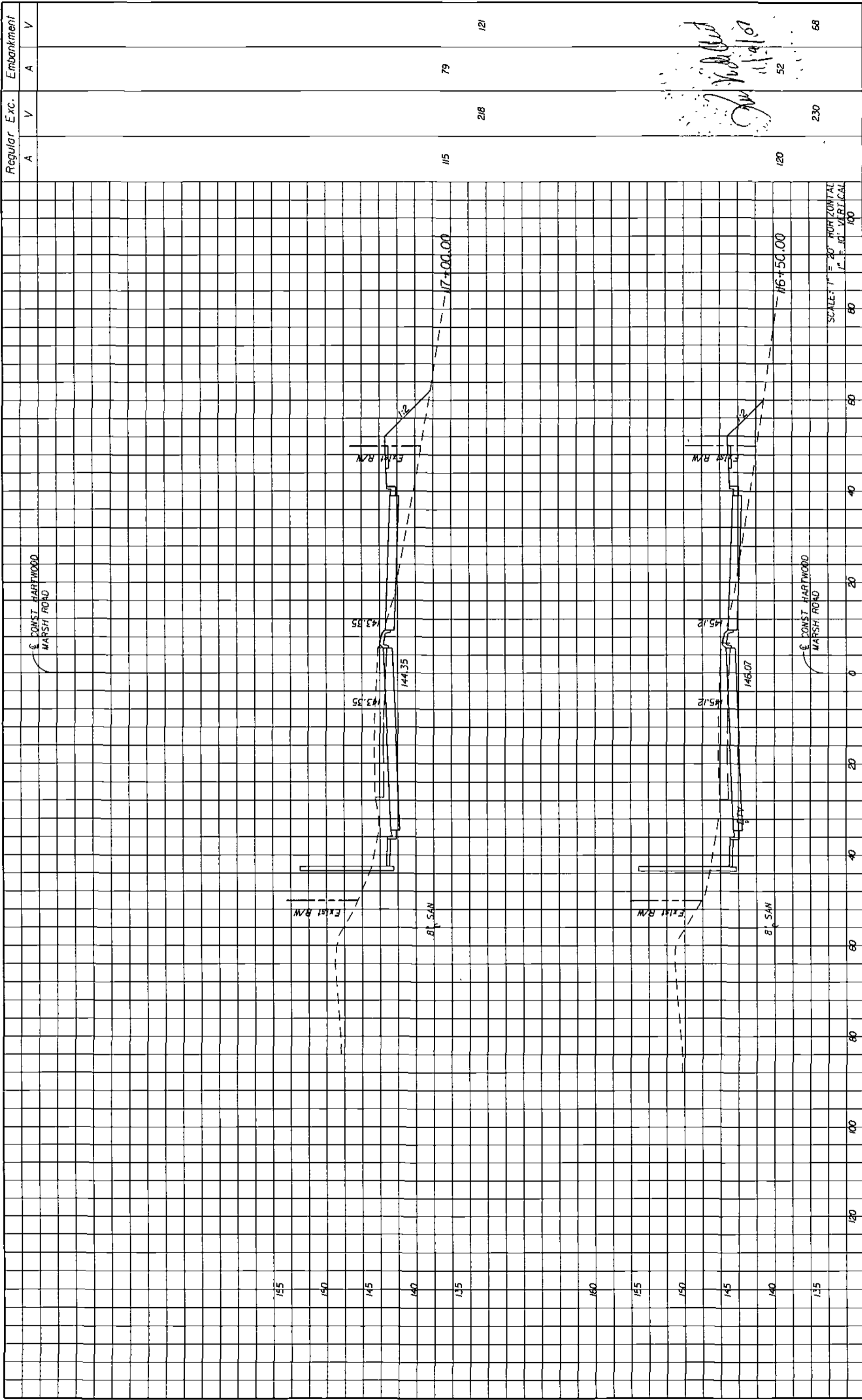


Regular Exc.		Embankment	
A	V	A	V
128	222	21	36
111	173	18	28
76	112	13	34

<b>HNTB</b> HNTB CORPORATION 300 PRIMA BLVD. SUITE 200 LAKE MARY, FL 32746 (407) 965-0355 CERT. OF AUTH. NO. 6500 ENGINEER OF RECORD: KAREN M. VAN DER AVONT, P.E. FL. REGISTRATION NO. 44794		<b>LAKE COUNTY</b> FLORIDA	<b>HARTWOOD MARSH ROAD - PHASE I</b>	<b>CROSS SECTIONS</b> <b>HARTWOOD MARSH ROAD</b>	SHEET NO. <b>110</b>
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DATE BY DESCRIPTION

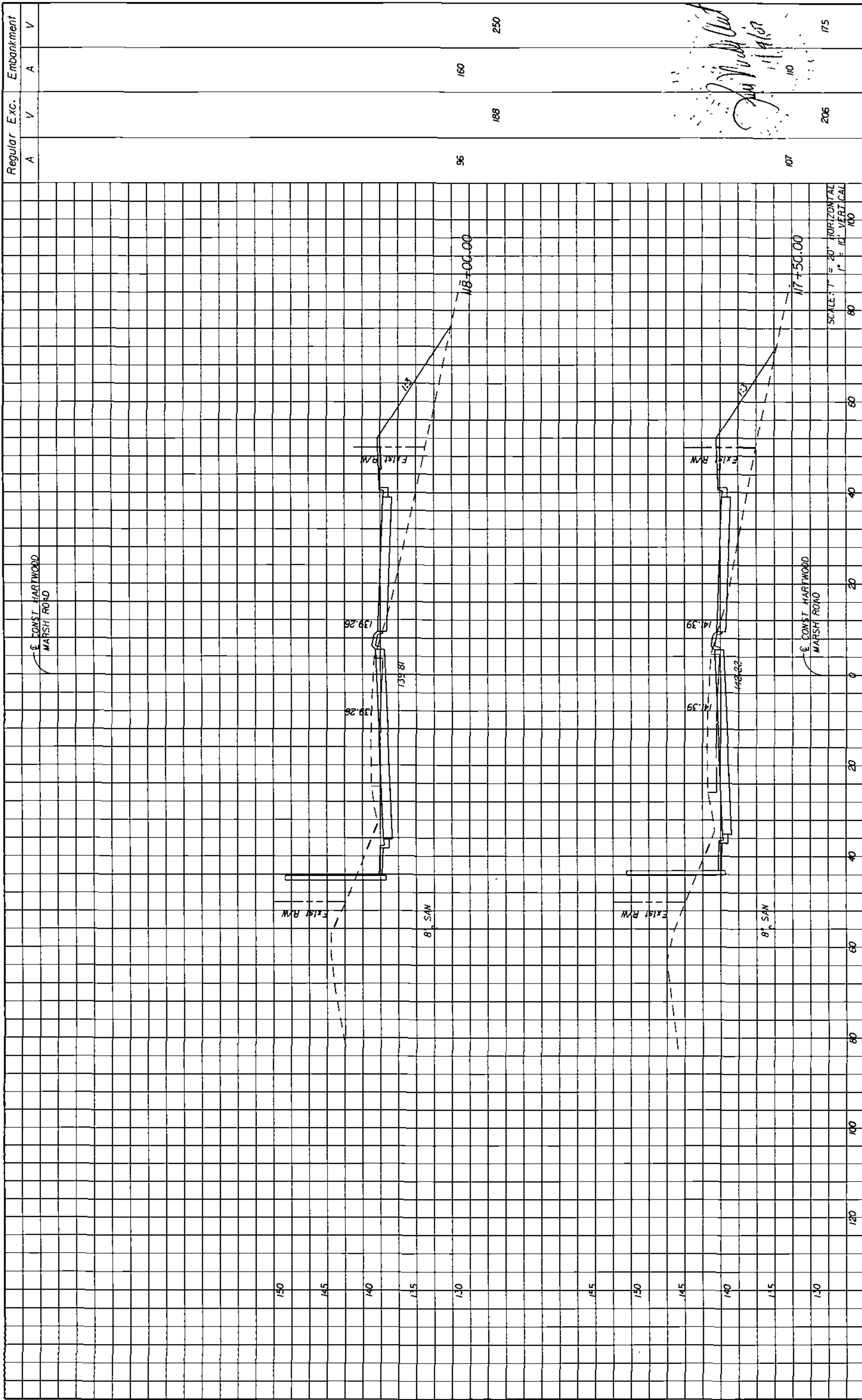
REVISIONS



Regular Exc.		Embankment	
A	V	A	V
115	218	79	121
120	230	52	68

*Handwritten signature and date: 11/4/07*

<b>HNTB</b> HNTB CORPORATION 300 PRIMA BLDG. SUITE 200 LAKE MARSH, FL 32746 (407) 805-0335 CERT. OF AUTH. NO. 6500 ENGINEER OF RECORD KAREN M. VAN DEW AVENT, P.E. FL. REGISTRATION NO. 44794		LAKE COUNTY FLORIDA	HARTWOOD MARSH ROAD - PHASE I	CROSS SECTIONS HARTWOOD MARSH ROAD	SHEET NO. <b>111</b>
REVISIONS DATE BY DESCRIPTION					



Regular Exc.		Embankment	
A	V	A	V
96	188	160	250
107	206	110	175

<b>HNTB</b> HNTB CORPORATION 300 PRIMA BLDG. SUITE 200 LAKE WALK, FL 32746 (407) 805-0355 CERT. OF AUTH. NO. 6500 ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E. FL REGISTRATION NO. 44794		<b>LAKE COUNTY</b> FLORIDA	<b>HARTWOOD MARSH</b> <b>ROAD - PHASE I</b>	<b>CROSS SECTIONS</b> <b>HARTWOOD MARSH ROAD</b>	SHEET NO. <b>112</b>
--	--	-------------------------------	--	---	-------------------------

DATE	BY	REVISIONS DESCRIPTION

DATE

BY

DESCRIPTION

REVISIONS

**HNTB**

HNTB CORPORATION  
300 PHOENIX BLVD,  
SUITE 200  
LAKE WALKER, FL 32746  
(407) 805-0355  
CENT. OF AUTH. NO. 6500  
ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E.  
FL REGISTRATION NO. 44794

LAKE COUNTY  
FLORIDA

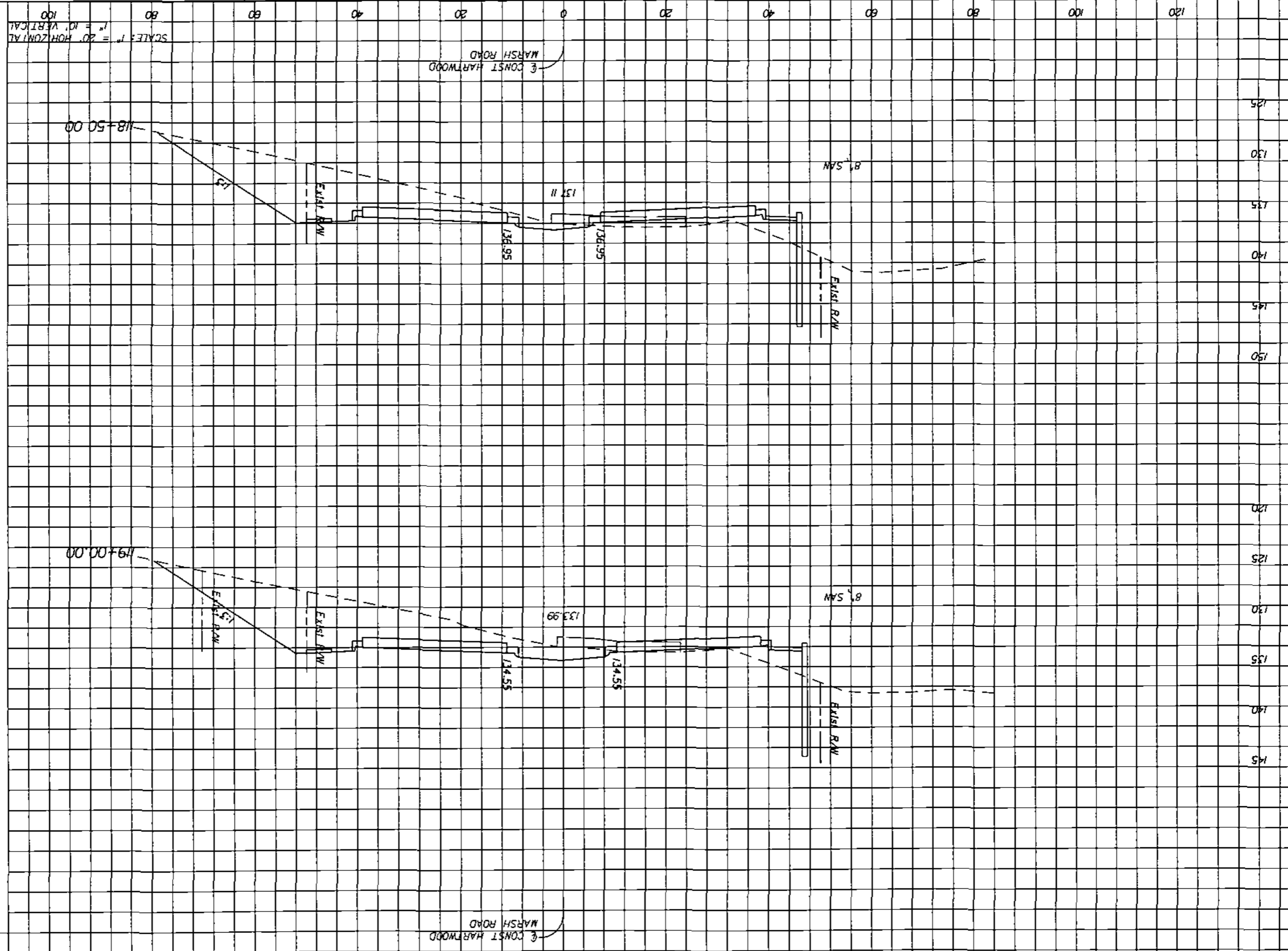


HARTWOOD MARSH  
ROAD - PHASE I

CROSS SECTIONS  
HARTWOOD MARSH ROAD

113

SHEET NO.



Handwritten notes and signatures in the left margin.

340

156

415

121

241

58

Regular Exc. A V  
Embankment A V

EXIST. HARTWOOD MARSH ROAD

DATE BY

REVISIONS  
DESCRIPTION

**HNTB**  
HNTB CORPORATION  
300 PRIMAVERA BLVD,  
SUITE 200  
LAKE WALKER, FL 32746  
(407) 905-0355  
CERT. OF AUTH. NO. 6500  
FL REGISTRATION NO. 44794  
ENGINEER OF RECORD: KAREN A. VAN DEN ANUNT, P.E.

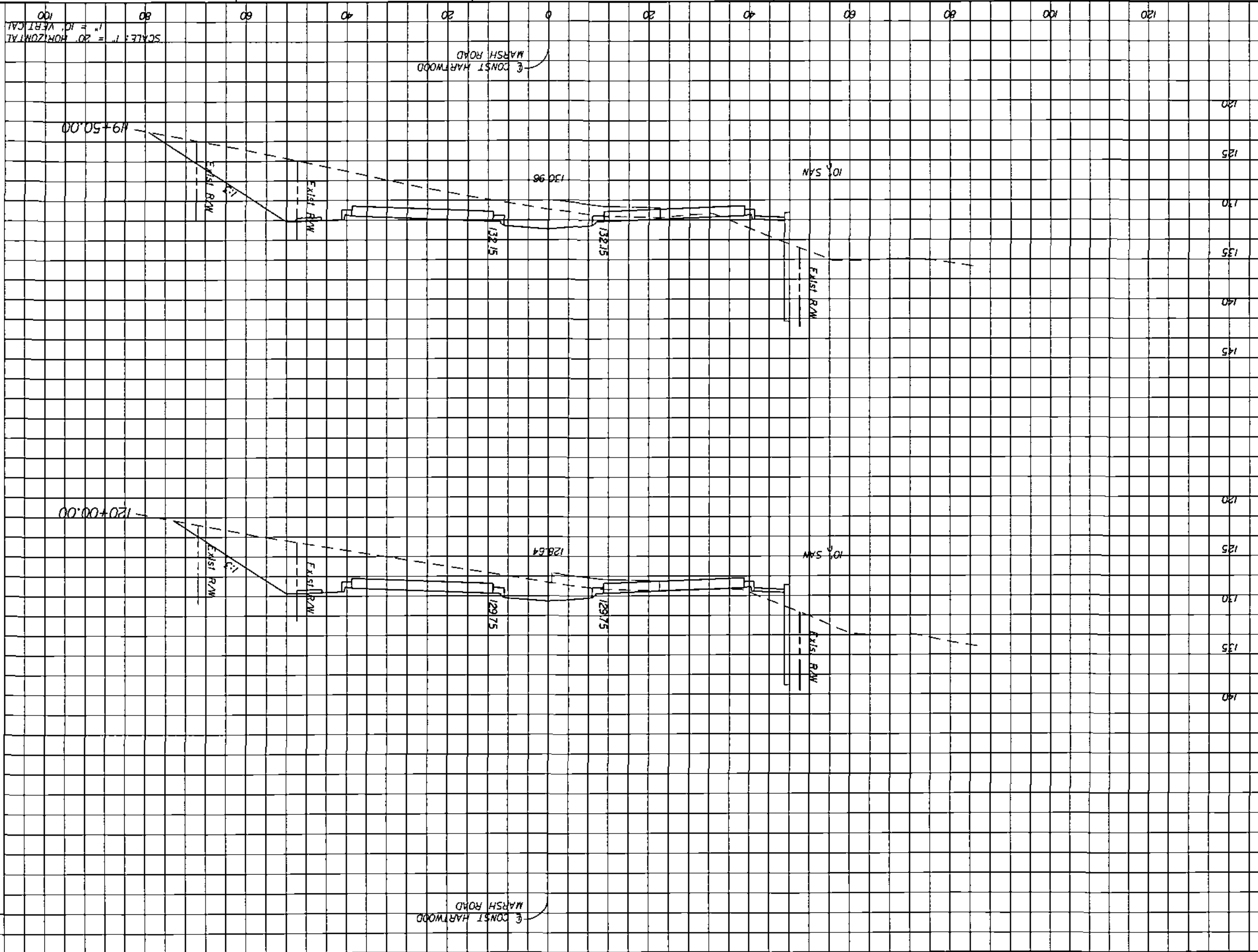
LAKE COUNTY  
FLORIDA

HARTWOOD MARSH  
ROAD - PHASE I

CROSS SECTIONS  
HARTWOOD MARSH ROAD

114

SHEET NO.



458  
93  
254  
11/19/07

423  
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203

Regular Exc. A  
Embankment A V

REVISIONS  
DATE BY

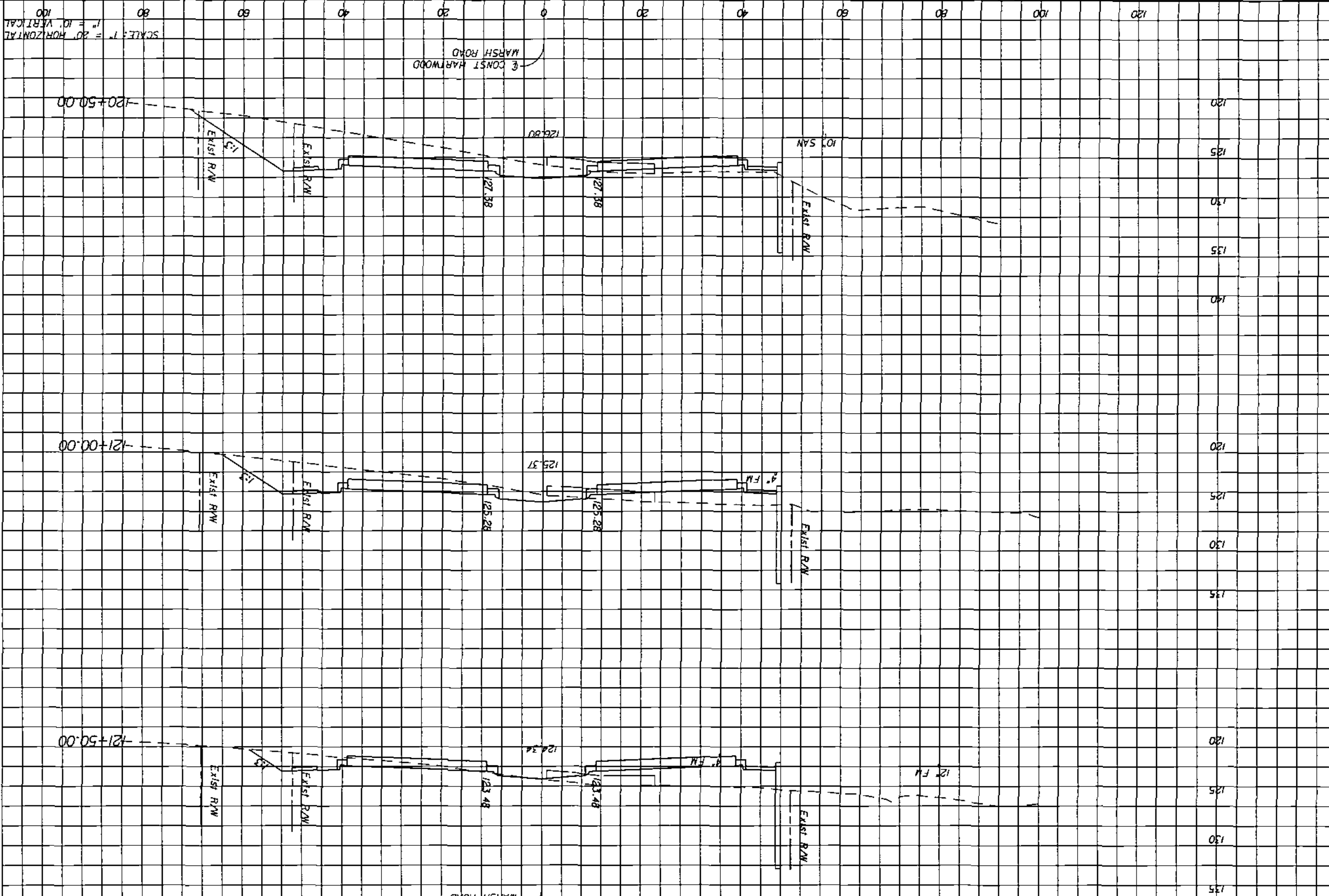
**HNTB**  
HNTB CORPORATION  
300 PRINCEA BLVD.  
LAKE HAVEN, FL 32746  
LAKE HAVEN, FL 32746  
CERT. OF AUTH. NO. 5500  
ENGINEER OF RECORD - KAREN H. VAN DEN AVONT, P.E.  
FL REGISTRATION NO. 44794

LAKE COUNTY  
FLORIDA

HARTWOOD MARSH  
ROAD - PHASE I

CROSS SECTIONS  
HARTWOOD MARSH ROAD

115  
SHEET NO.



*Handwritten notes:*  
11/14/07  
11/16/07  
11/16/07

Regular Exc. Embankment  
A V A V

116  
SHEET NO

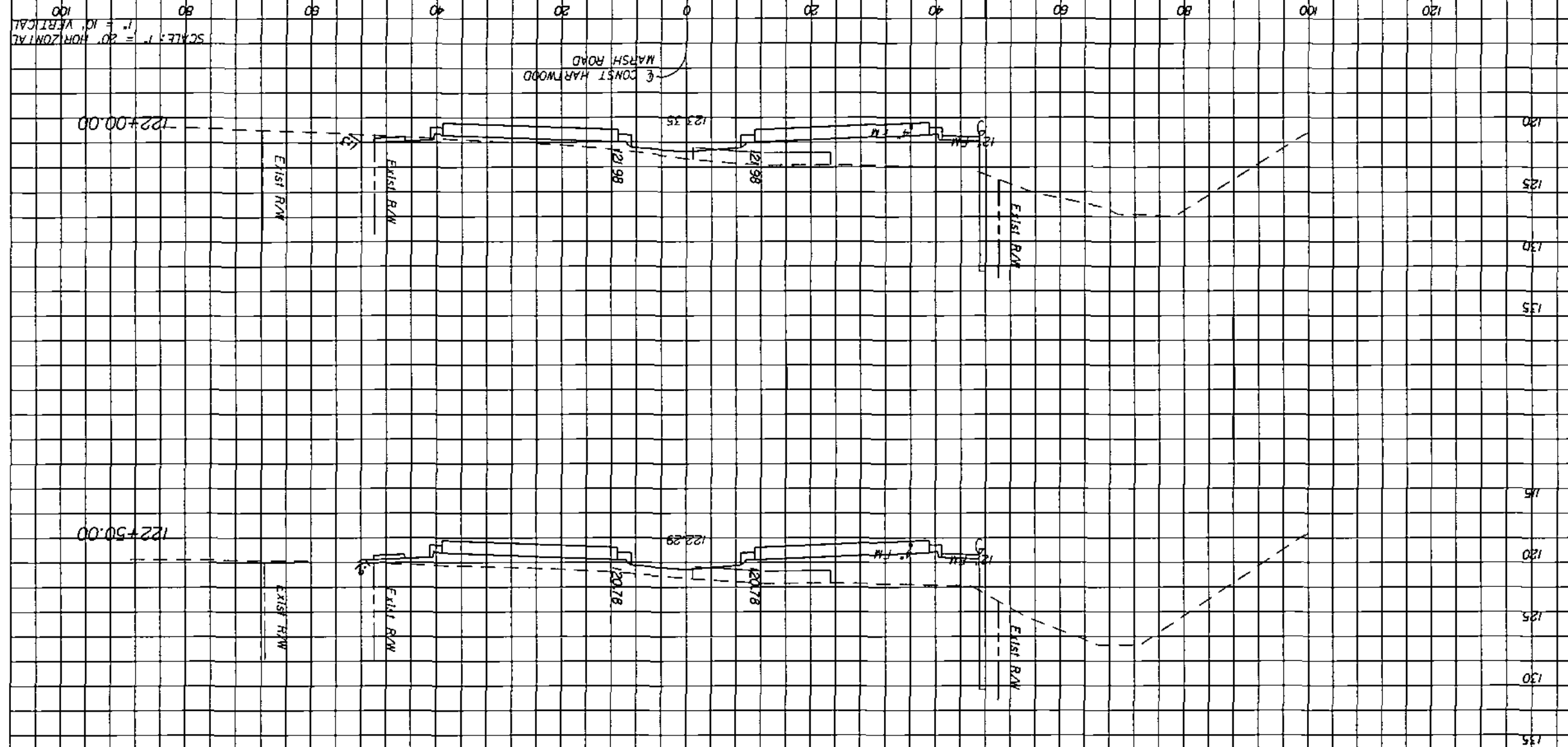
CROSS SECTIONS  
HARTWOOD MARSH ROAD

HARTWOOD MARSH  
ROAD - PHASE I



**HNTB**  
ENGINEER OF RECORD: KAREN W VAN DEN AVENT, P.E.  
FL REGISTRATION NO. 44794  
CERT. OF ALTH. NO. 6500  
(407) 805-0355  
LAKE HAVEN, FL 32746  
SUITE 200  
300 PRIMA BLVD.  
HNTB CORPORATION

REVISIONS  
DATE BY DESCRIPTION



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

CONST HARTWOOD  
MARSH ROAD

Regular Exc.    A  
Embankment    V

*Handwritten notes:*  
11/10/07  
1:25  
3  
0  
352  
278

11/2/2007 9:24:45 AM

117  
SHEET NO

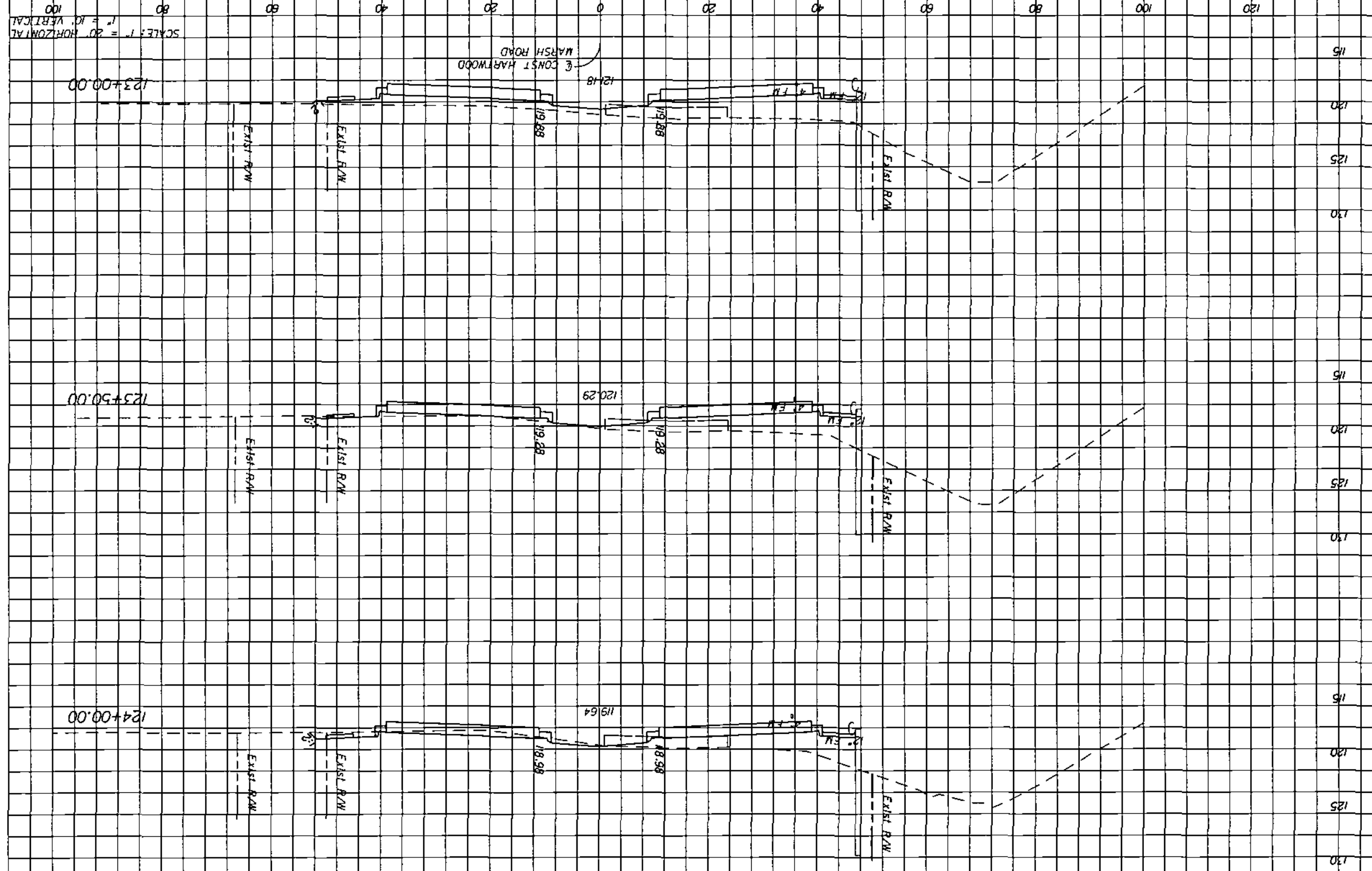
CROSS SECTIONS  
HARTWOOD MARSH ROAD

HARTWOOD MARSH  
ROAD - PHASE I



HNTB CORPORATION  
300 PRIMAVERA BLVD.  
SUITE 200  
LAKE WARE, FL 32746  
CERT. OF AUTH. NO. 6500  
ENGINEER OF RECORD, KAREN N. VAN DEN AVONT, P.E.  
FL REGISTRATION NO. 44794

REVISIONS  
DATE  
BY  
DESCRIPTION



Regular Exc. A  
Embankment A V

CONSTR. HARTWOOD MARSH ROAD



DATE

BY

REVISIONS  
DESCRIPTION



HNTB CORPORATION  
300 PRIMERIA BLVD.  
SUITE 200  
LAKE HAVY, FL 32746  
(407) 805-0355  
CENT. OF AUTH. NO. 6500  
ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E.  
FL. REGISTRATION NO. 44794

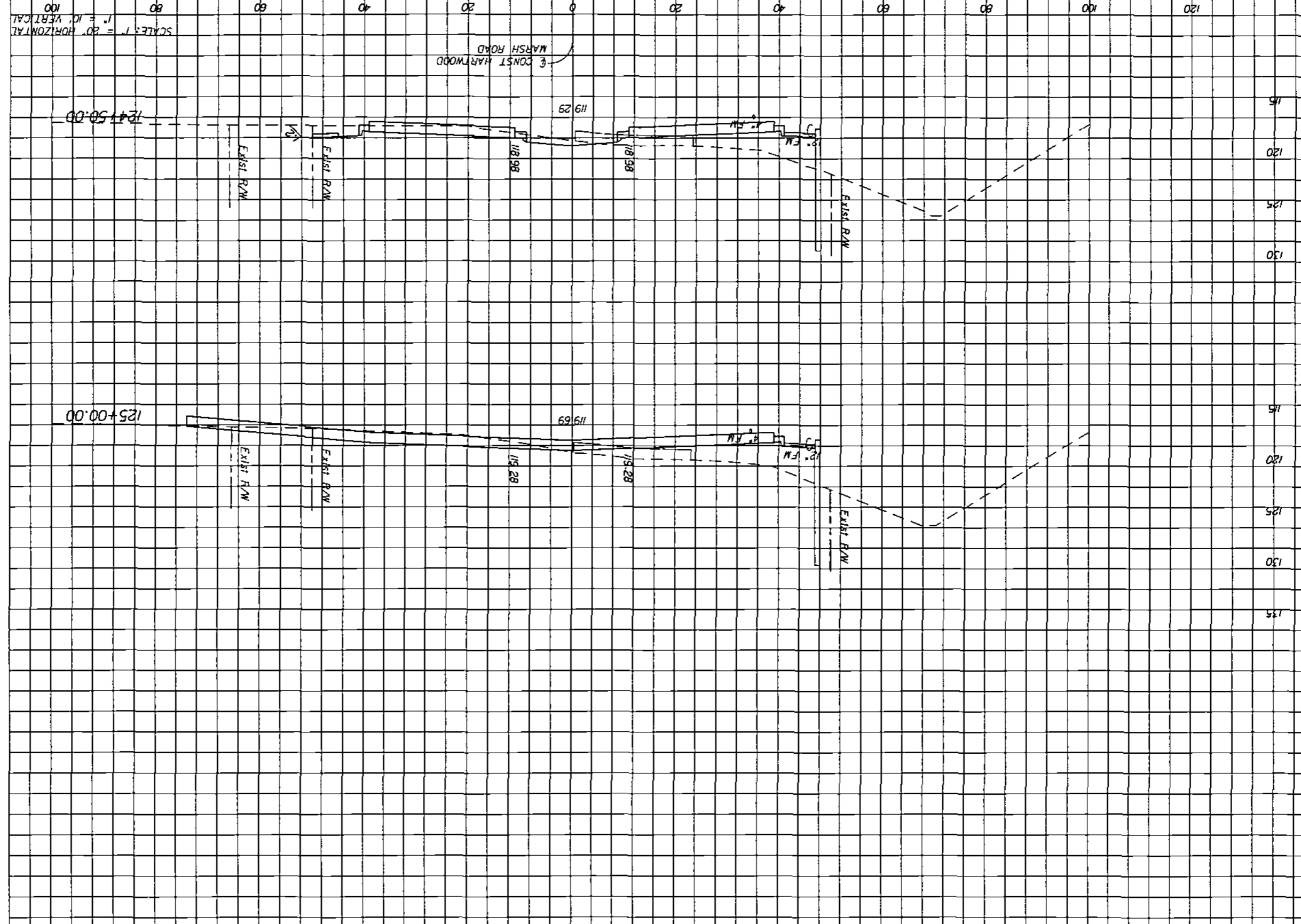
LAKE COUNTY  
FLORIDA



HARTWOOD MARSH  
ROAD - PHASE I

CROSS SECTIONS  
HARTWOOD MARSH ROAD

118  
SHEET NO



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

23  
18  
14/07  
201  
225  
3

Regular Exc. V  
Embankment V

EXIST. R.W.  
MARSH ROAD

DATE	BY	DESCRIPTION

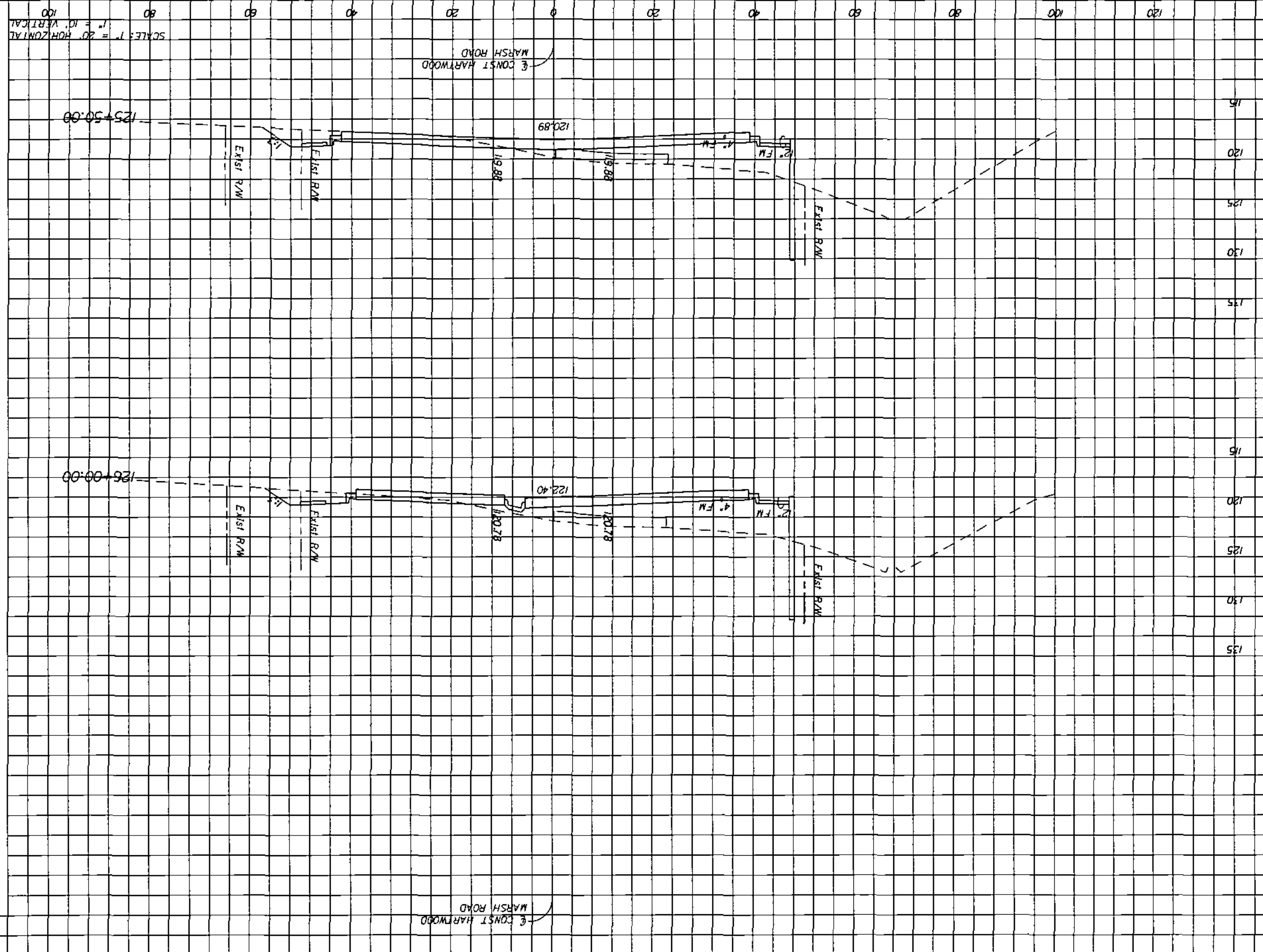
**HNTB**  
 HNTB CORPORATION  
 300 PALMERA BLVD.,  
 SUITE 200  
 LAKE WALKER, FL 32746  
 (407) 805-0355  
 ENGINEER OF RECORD: KAREN W. VAN DEN AVENANT, P.E.  
 F.L. REGISTRATION NO. 44794



**HARTWOOD MARSH ROAD - PHASE I**

**CROSS SECTIONS  
 HARTWOOD MARSH ROAD**

SHEET NO. **119**



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

18	279	<p><i>Handwritten notes:</i>          11/14/07          [Signature]</p>
30	340	
16	208	
A	Regular Exc.	A
V	Embankment	V

DATE BY

REVISIONS  
DESCRIPTION

**HNTB**

HNTB CORPORATION  
300 PALMERA BLVD.  
SUITE 200  
LAKE HAVEN, FL 32746  
CERT. OF AUTH. NO. 6500  
ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E.  
FL REGISTRATION NO. 44794

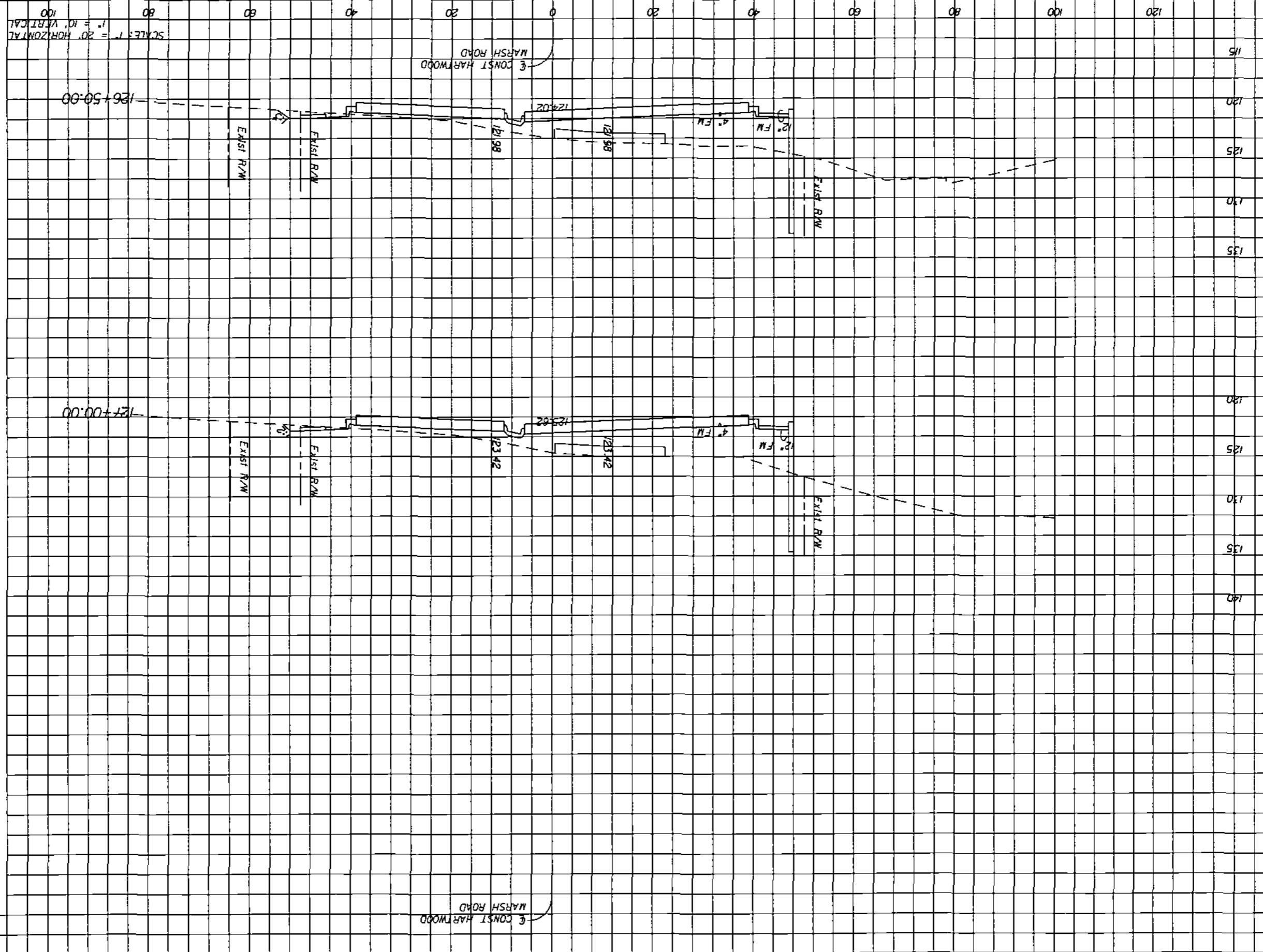
FLORIDA  
**LAKE COUNTY**

**HARTWOOD MARSH ROAD - PHASE I**

**CROSS SECTIONS  
HARTWOOD MARSH ROAD**

120

SHEET NO.



420	463	246	254
19	7	5	3
11/9/07			
Regular Exc.	Embankment		
A	V	A	V

DATE BY

REVISIONS DESCRIPTION



HNTB CORPORATION  
300 PARKER BLVD.  
SUITE 200  
LAKE WORTH, FL 33746  
CERT. OF AUTH. NO. 6500  
ENGINEER OF RECORD  
KAREN W. VAN DEN AART, P.E.  
FL REGISTRATION NO. 44794

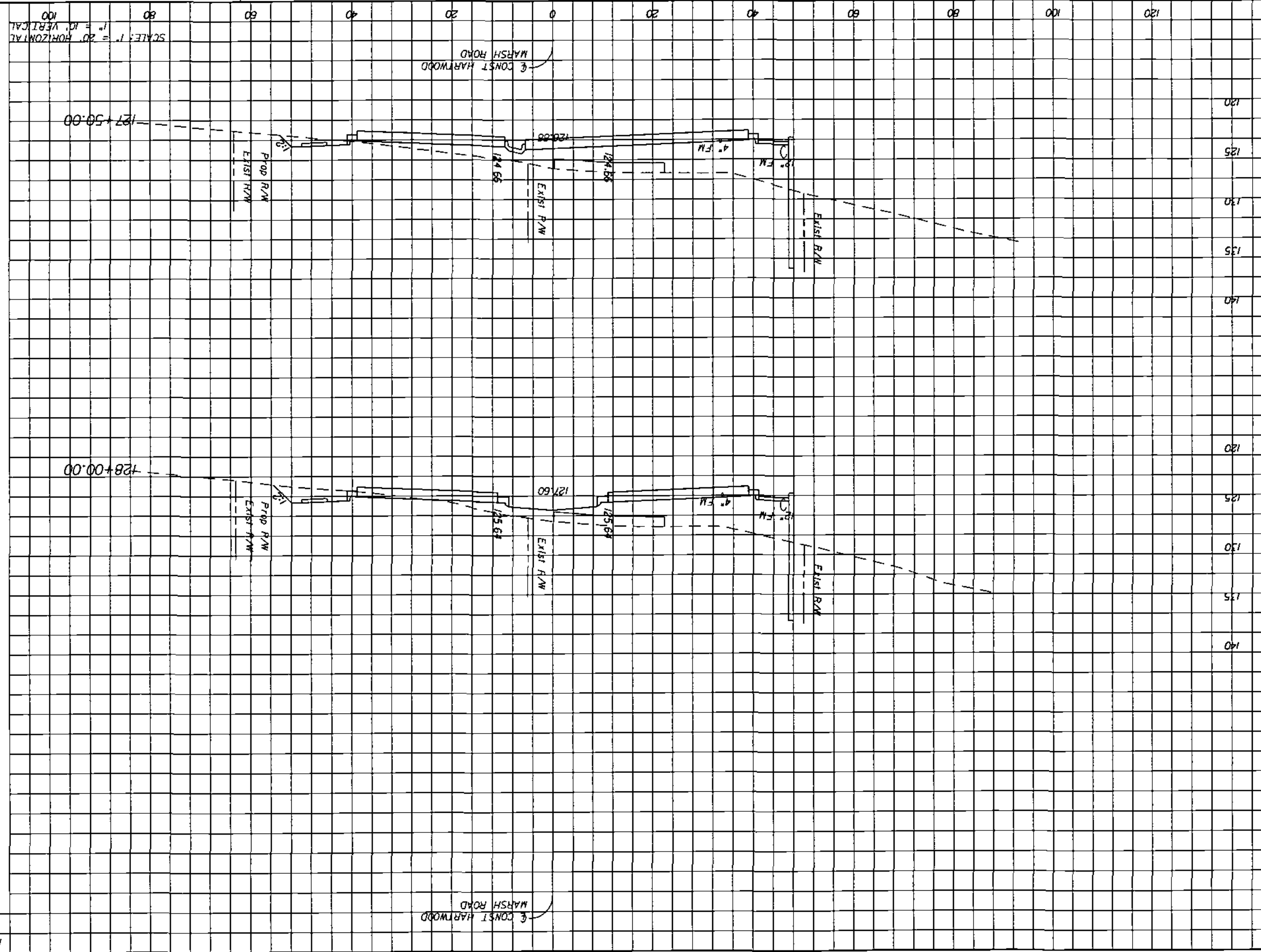


# HARTWOOD MARSH ROAD - PHASE I

# CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO.

121



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

9  
7  
11/19/07  
[Handwritten signature]

21  
16  
437  
209

Regular Exc. V  
Embankment V

**HNTB**  
 HNTB CORPORATION  
 300 PHOENIX BLVD.  
 SUITE 200  
 LAKE WARE, FL 32746  
 (407) 805-0355  
 CENT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD, KAREN N. VAN DEN AVONT, P.E.  
 FL REGISTRATION NO. 44794

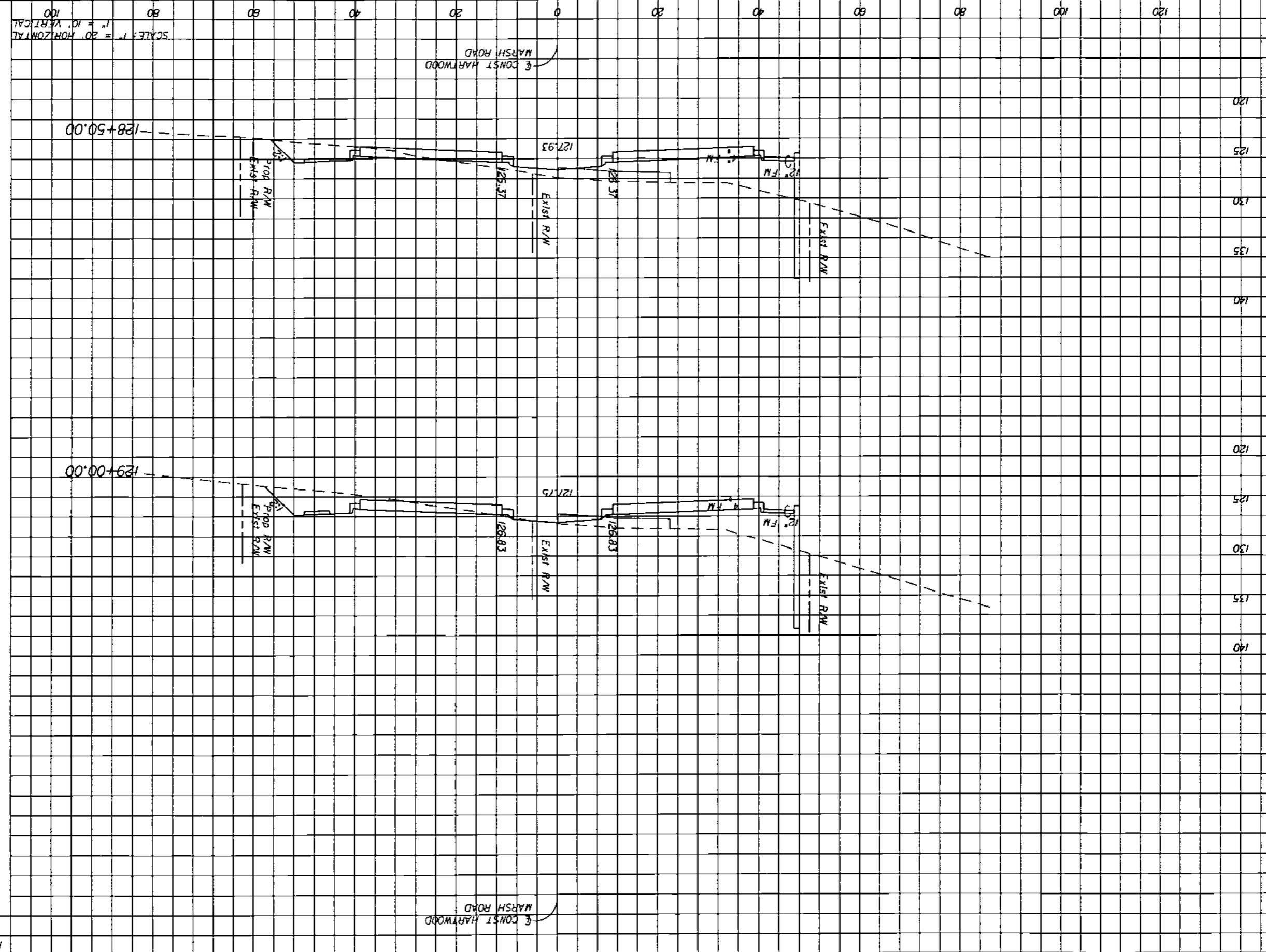
FLORIDA  
**LAKE COUNTY**

**HARTWOOD MARSH ROAD - PHASE I**

**CROSS SECTIONS  
 HARTWOOD MARSH ROAD**

SHEET NO. 122

DATE \_\_\_\_\_ BY \_\_\_\_\_  
 REVISIONS



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

11/9/07  
 358  
 23  
 287  
 35  
 54  
 Embankment  
 Regular Exc.  
 A  
 V  
 A  
 V

DATE

DESCRIPTION

REVISIONS

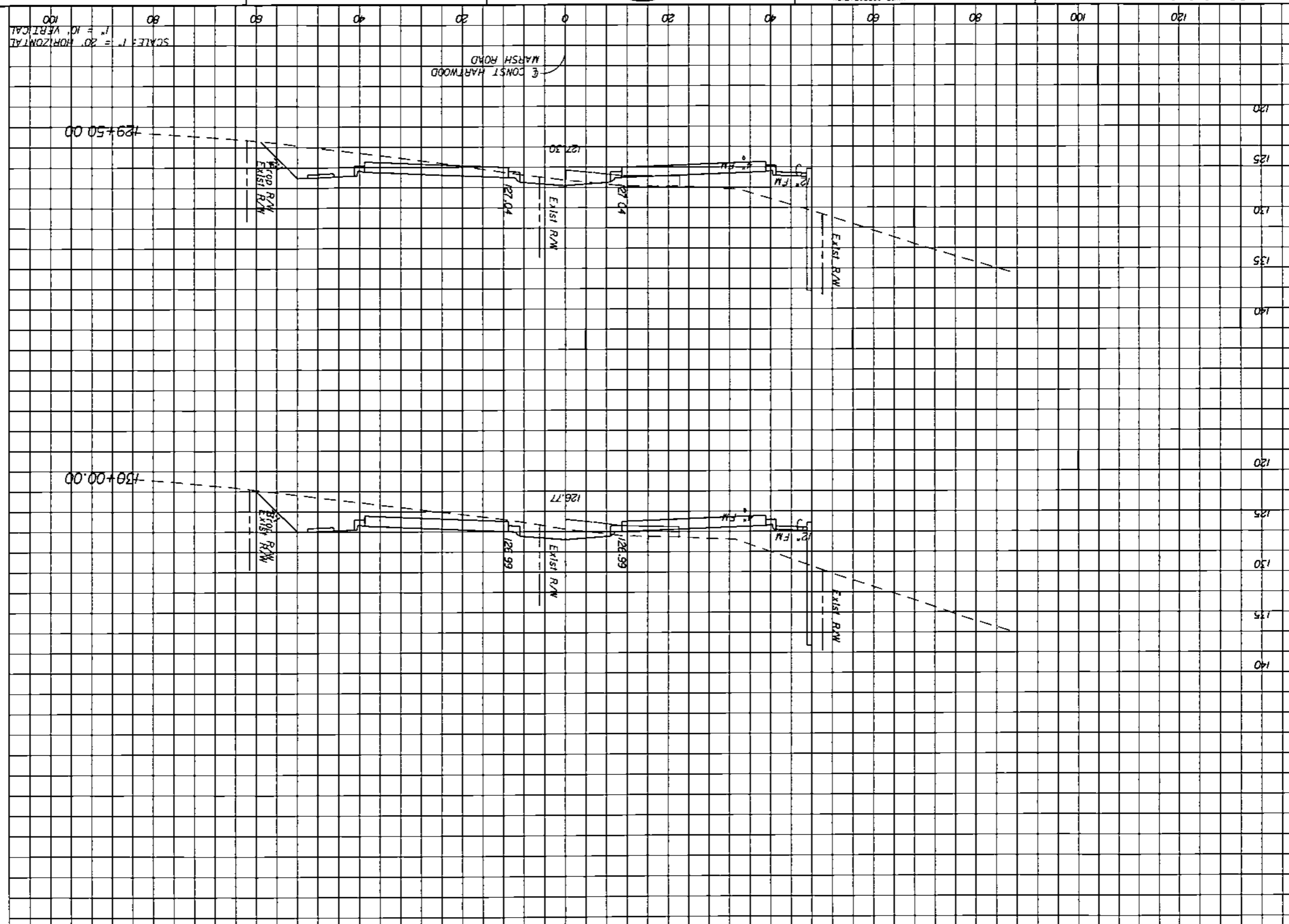
**HNTB**  
 HNTB CORPORATION  
 300 PALMER BLVD.  
 SUITE 200  
 LAKE WALKER, FL 32246  
 LICENSE NO. 0355  
 CENT. OF MATH. NO. 6500  
 ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E.  
 FL. REGISTRATION NO. 44794



**HARTWOOD MARSH ROAD - PHASE I**

**CROSS SECTIONS  
 HARTWOOD MARSH ROAD**

SHEET NO. 123



Regular Exc. V  
 Embankment A V

Handwritten notes and signatures, including the date 11/14/07.

Stationing labels: 102, 88, 135.

EXIST. R/W  
 PROP. R/W  
 MARSH ROAD

124

SHEET NO

# CROSS SECTIONS HARTWOOD MARSH ROAD

## HARTWOOD MARSH ROAD - PHASE I

LAKE COUNTY  
FLORIDA



**HNTB**  
HNTB CORPORATION  
300 PRIMA BLDG.  
SUITE 200  
LAKE WALKER, FL 32746  
LAKE WALKER, FL 32746  
LAKE WALKER, FL 32746  
CENT. OF AUTH. NO. 6500  
ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E.  
FL. REGISTRATION NO. 44794

REVISIONS  
DATE BY DESCRIPTION

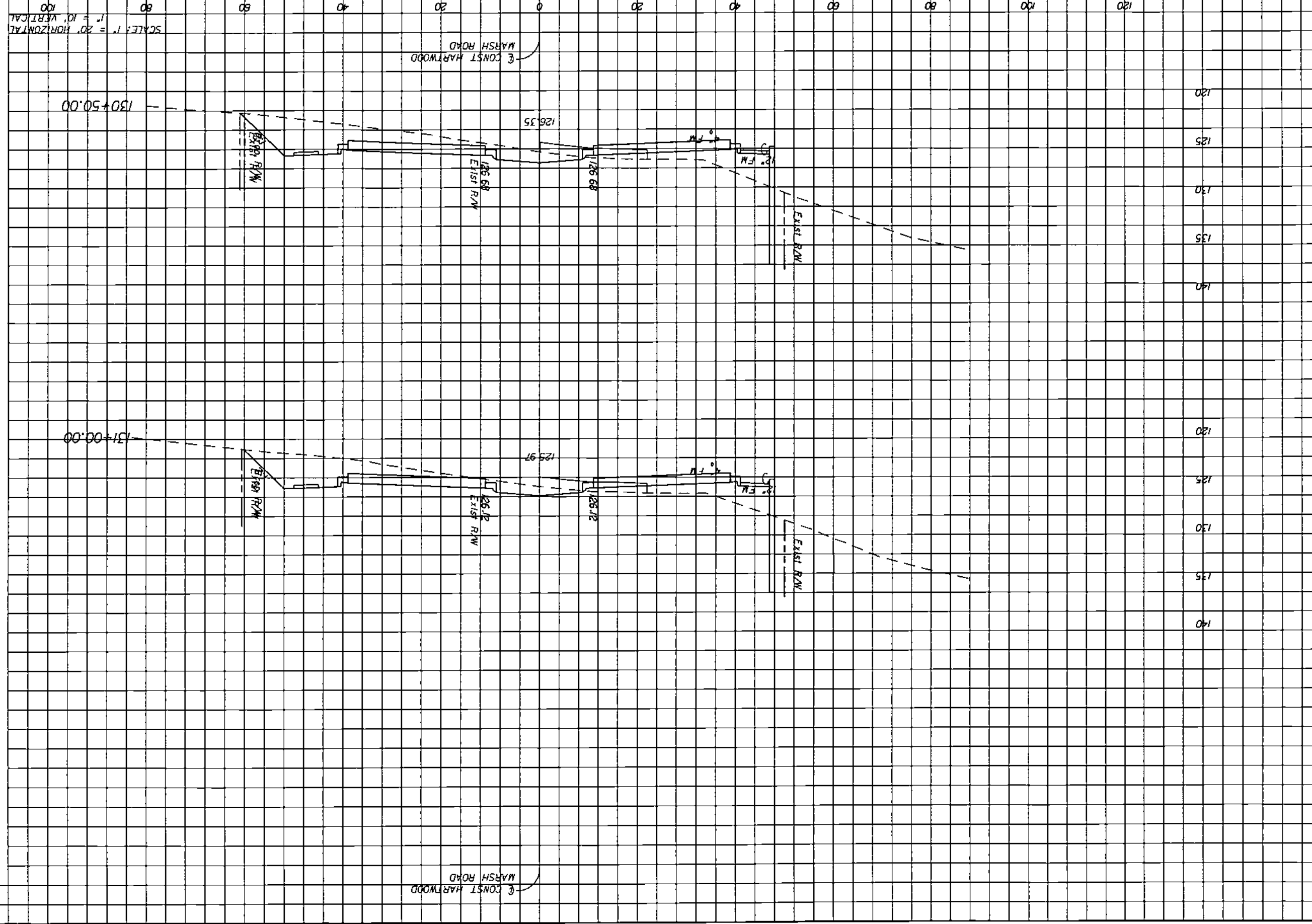
11/9/07

158  
106  
82

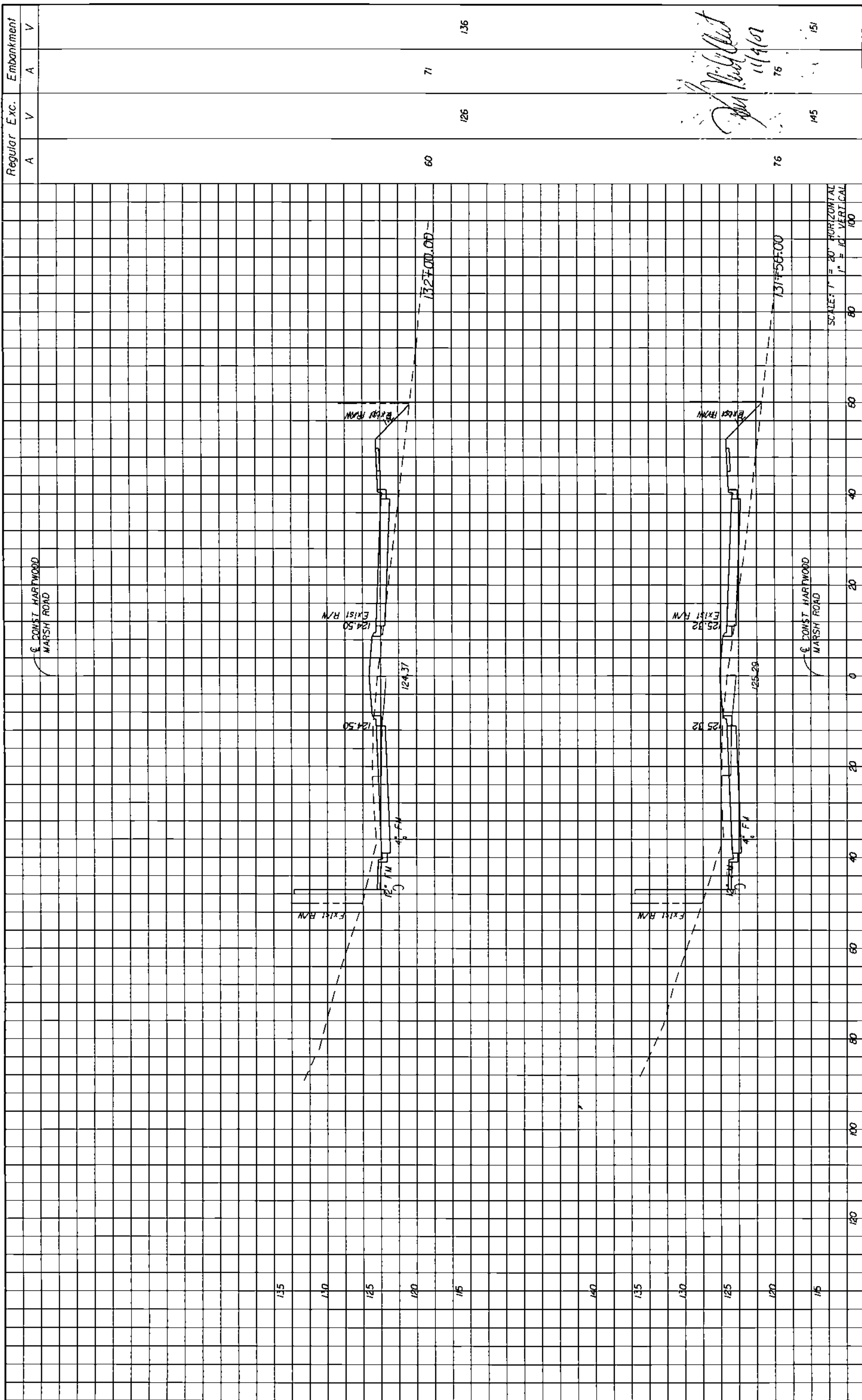
150  
80  
179  
87

Regular Exc.    V    A  
Embankment    V    A

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



CONST. HARTWOOD  
MARSH ROAD



*John N. [Signature]*  
11/14/07  
76

Regular Exc.		Embankment	
A	V	A	V
60	126	71	136
76	145	76	151

DATE		BY		REVISIONS		DESCRIPTION											
<p>HNTB CORPORATION 300 PRINERA BLVD. SUITE 200 LAKE MARY, FL 32746 14071 805-0355 CERT. OF AUTH. NO. 6500 ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E. FL REGISTRATION NO. 44794</p>				<p>LAKE COUNTY FLORIDA</p>				<p>HARTWOOD MARSH ROAD - PHASE I</p>				<p>CROSS SECTIONS HARTWOOD MARSH ROAD</p>				<p>SHEET NO. 125</p>	



DATE BY

REVISIONS DESCRIPTION



HNTB CORPORATION  
300 PRINCEA BLVD.  
SUITE 200  
LAKE WARE, FL 32746  
LAKE WARE, FL 32746  
CERT. OF AUTH. NO. 6500  
ENGINEER OF RECORD, KAREN M. VAN DEN AVONT, P.E.  
FL REGISTRATION NO. 44794



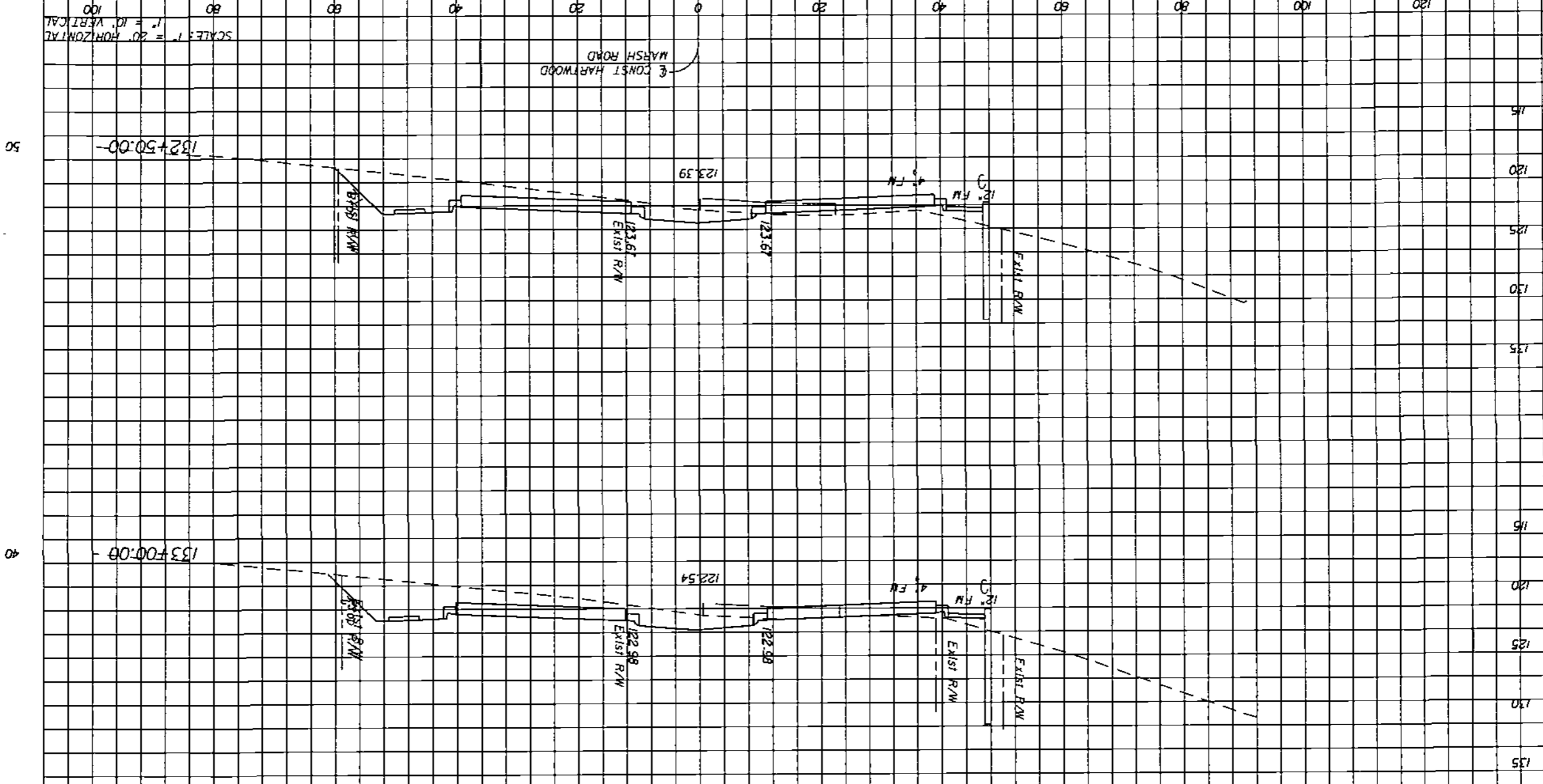
HARTWOOD MARSH  
ROAD - PHASE I

CROSS SECTIONS  
HARTWOOD MARSH ROAD

SHEET NO.

126

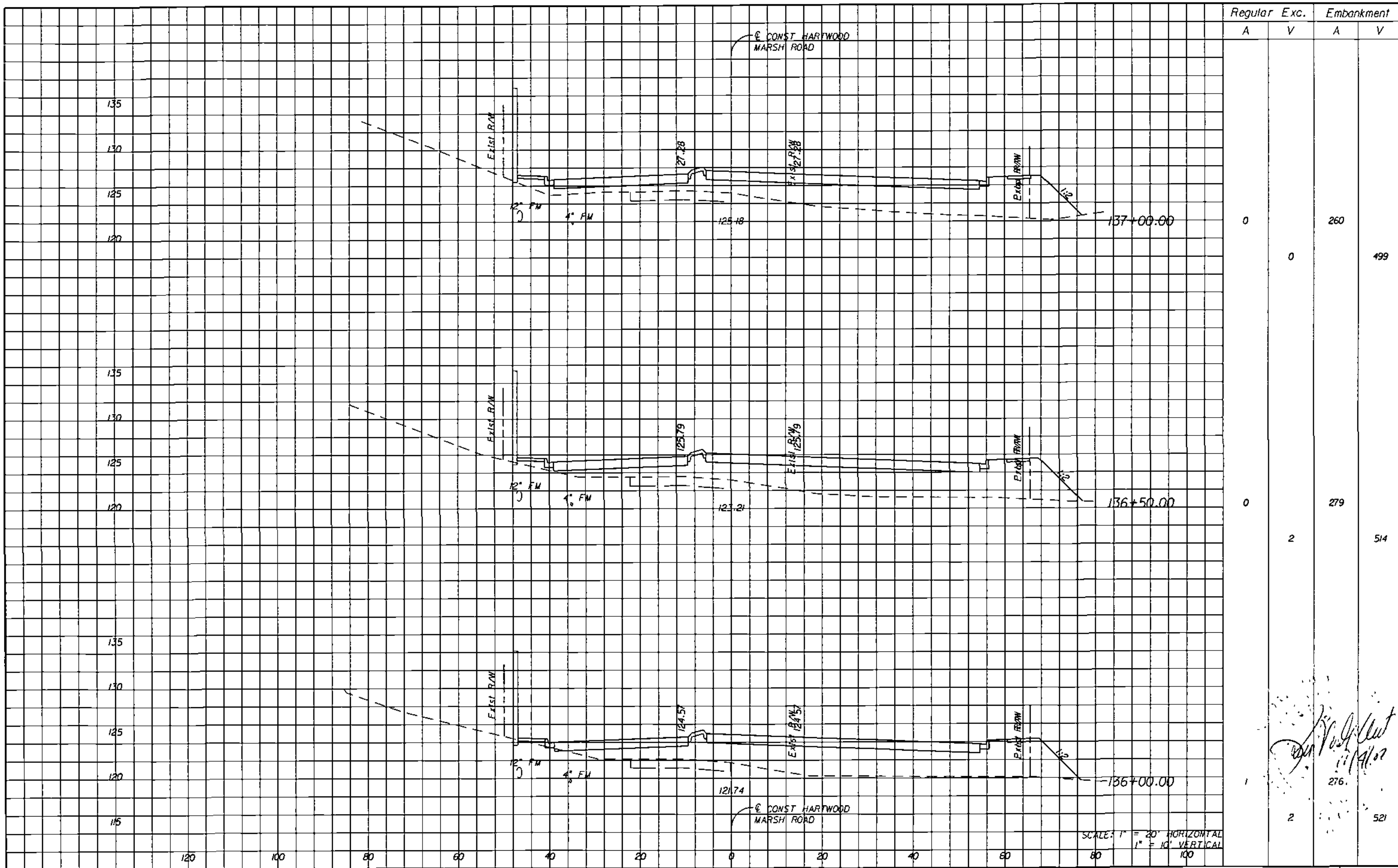
SCALE: 1" = 20' HORIZONTAL  
1" = 10' VERTICAL



Handwritten notes and signatures in the left margin, including the date 11/19/07 and initials.

Regular Exc. Embankment

EXIST HARTWOOD MARSH ROAD



Regular		Exc.		Embankment	
A	V	A	V	A	V
0	0	260	0	499	
0	2	279	2	514	
2		276		521	

*Handwritten signature and date: 11/1/07*

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

REVISIONS	
DATE	DESCRIPTION

**HNTB**  
 HNTB CORPORATION  
 300 PRIMA BLVD.  
 SUITE 200  
 LAKE MARY, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E.  
 FL REGISTRATION NO. 44794



**HARTWOOD MARSH ROAD - PHASE I**

**CROSS SECTIONS  
 HARTWOOD MARSH ROAD**

SHEET NO.  
**129**

HNTB CORPORATION  
 300 PRINCEA BLVD,  
 SUITE 200  
 LAKE WARE, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD KAREN N. VAN DEN AVONT, P.E.  
 FL REGISTRATION NO. 44794

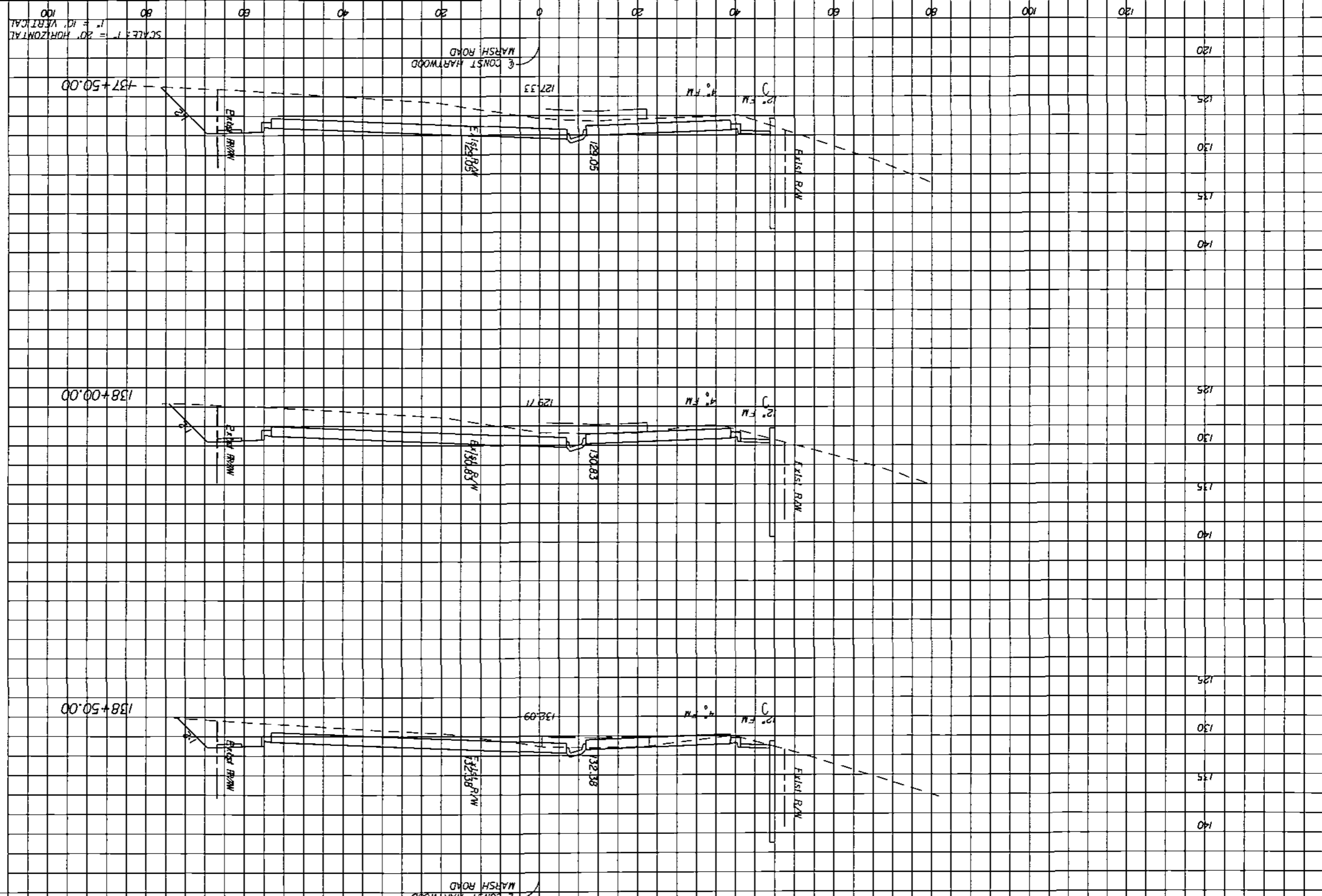
FLORIDA  
 LAKE COUNTY

HARTWOOD MARSH  
 ROAD - PHASE 1

CROSS SECTIONS  
 HARTWOOD MARSH ROAD

130  
 SHEET NO.

REVISIONS	DATE	BY	DESCRIPTION



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

448  
 224  
 11/19/07  
*[Handwritten signature]*

349  
 153  
 3

205  
 68  
 25

Regular Exc. A  
 Embankment V

CONST. HARTWOOD MARSH ROAD

**HNTB**  
 HNTB CORPORATION  
 300 PRIMAVERA BLVD.  
 SUITE 200  
 LAKE MARY, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500  
 ENGINEER OF RECORD KAREN W. VAN DEN AVONT, P.E.  
 FL REGISTRATION NO. 44794

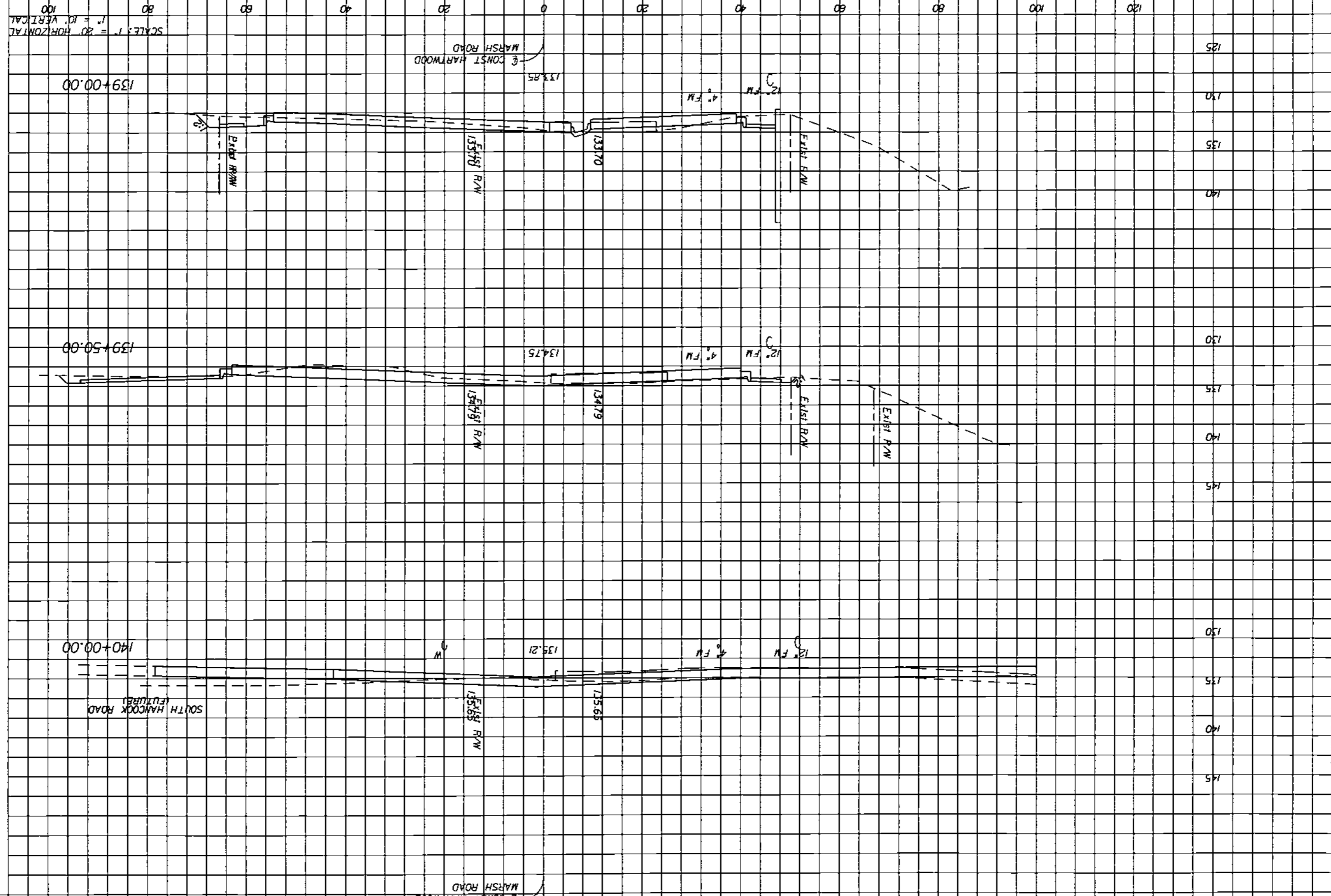
LAKE COUNTY  
 FLORIDA

**HARTWOOD MARSH ROAD - PHASE I**

**CROSS SECTIONS  
 HARTWOOD MARSH ROAD**

SHEET NO. 131

REVISIONS	DATE	BY	DESCRIPTION



*Handwritten notes:*  
 11/16/07  
 11/19/07  
 [Signature]

Regular Exc. A  
 Embankment V

DATE BY

REVISIONS DESCRIPTION



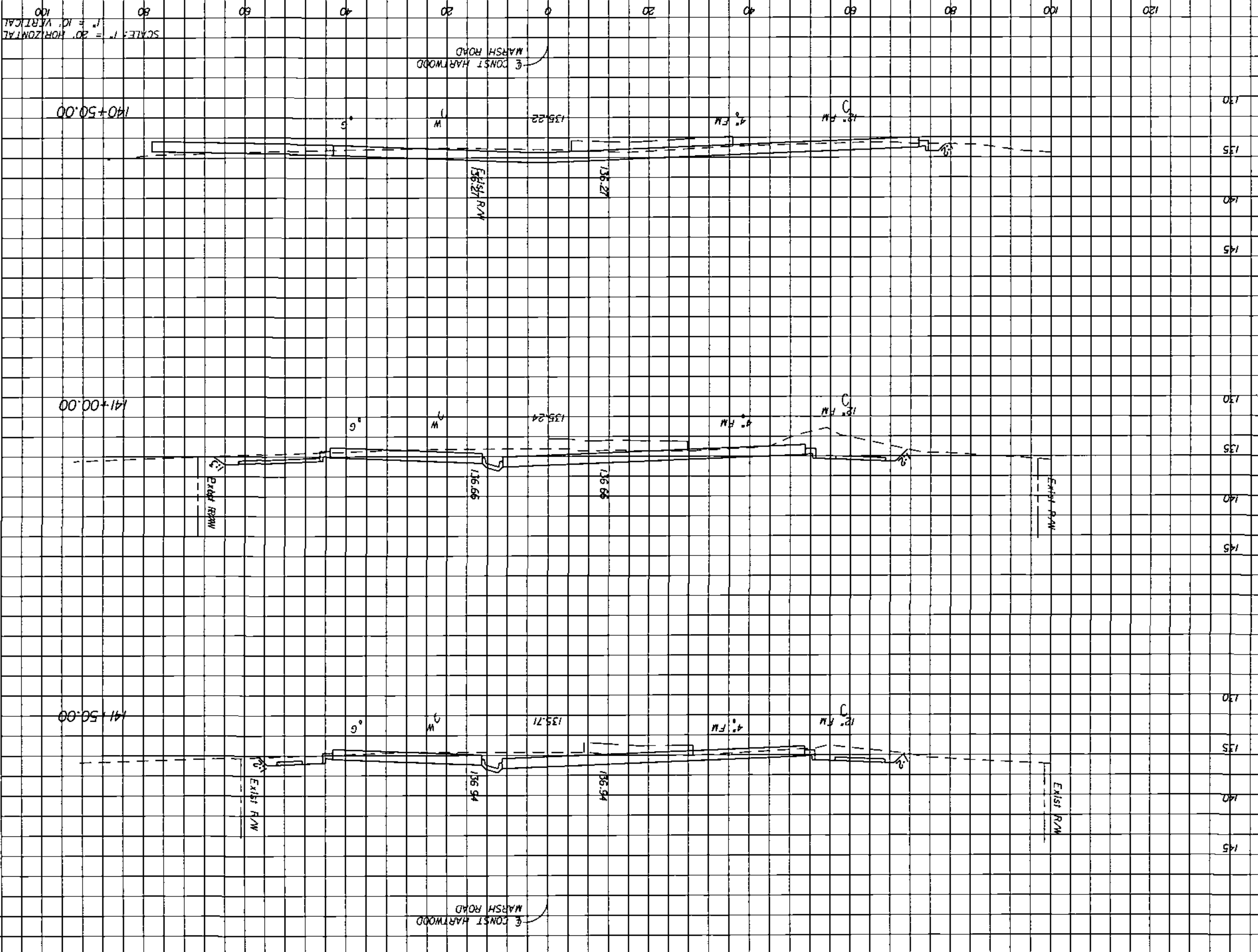
HNTB CORPORATION  
300 PRIMERIA BLVD.  
SUITE 200  
LAKE WARE, FL 32746  
(407) 805-0355  
CENT. OF MATH NO. 6500  
ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E.  
FL REGISTRATION NO. 44794

LAKE COUNTY  
FLORIDA

HARTWOOD MARSH  
ROAD - PHASE I

CROSS SECTIONS  
HARTWOOD MARSH ROAD

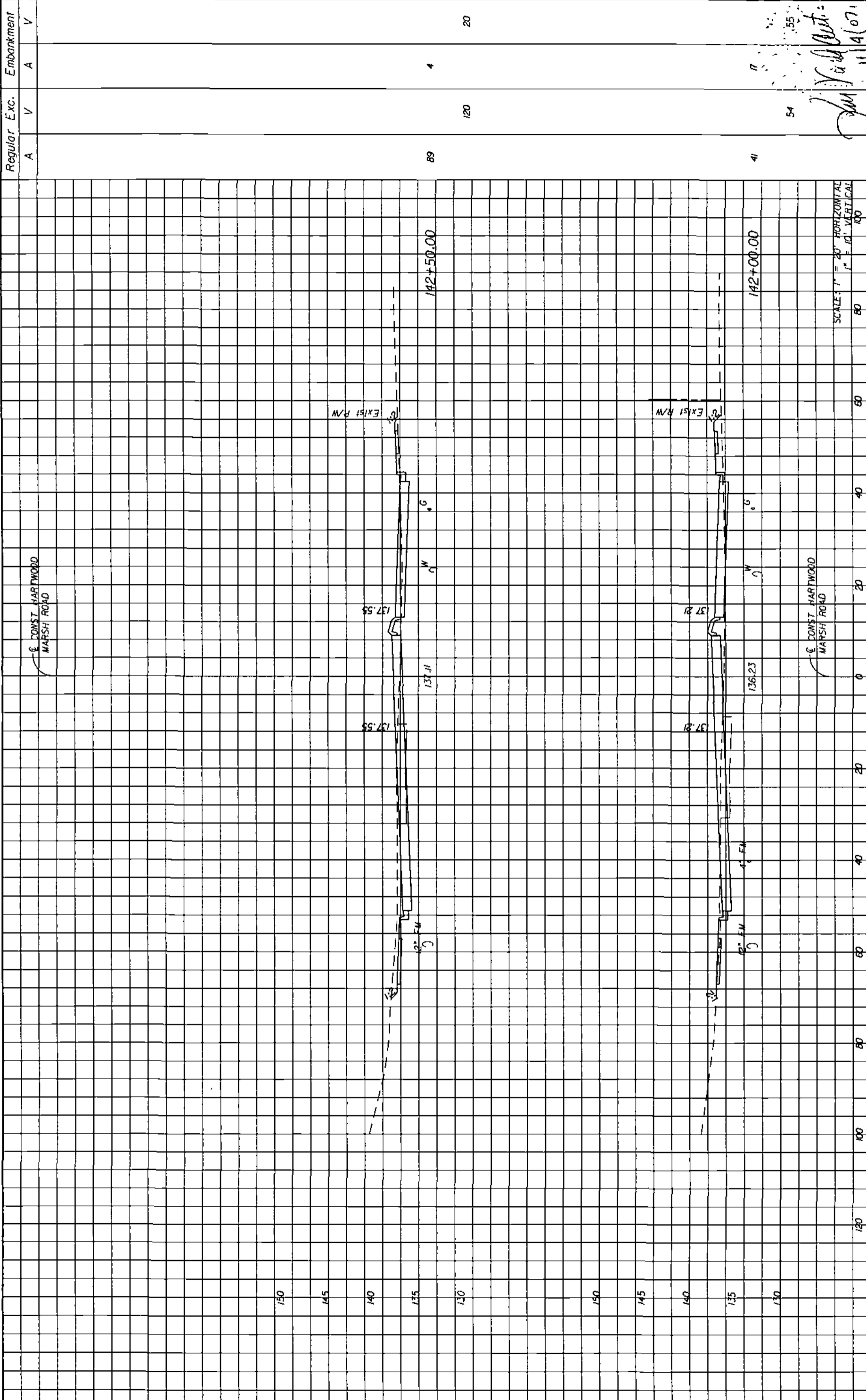
132  
SHEET NO.



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

Handwritten notes and signatures, including a date '11/14/07' and initials.

Regular Exc. V  
Embankment A V

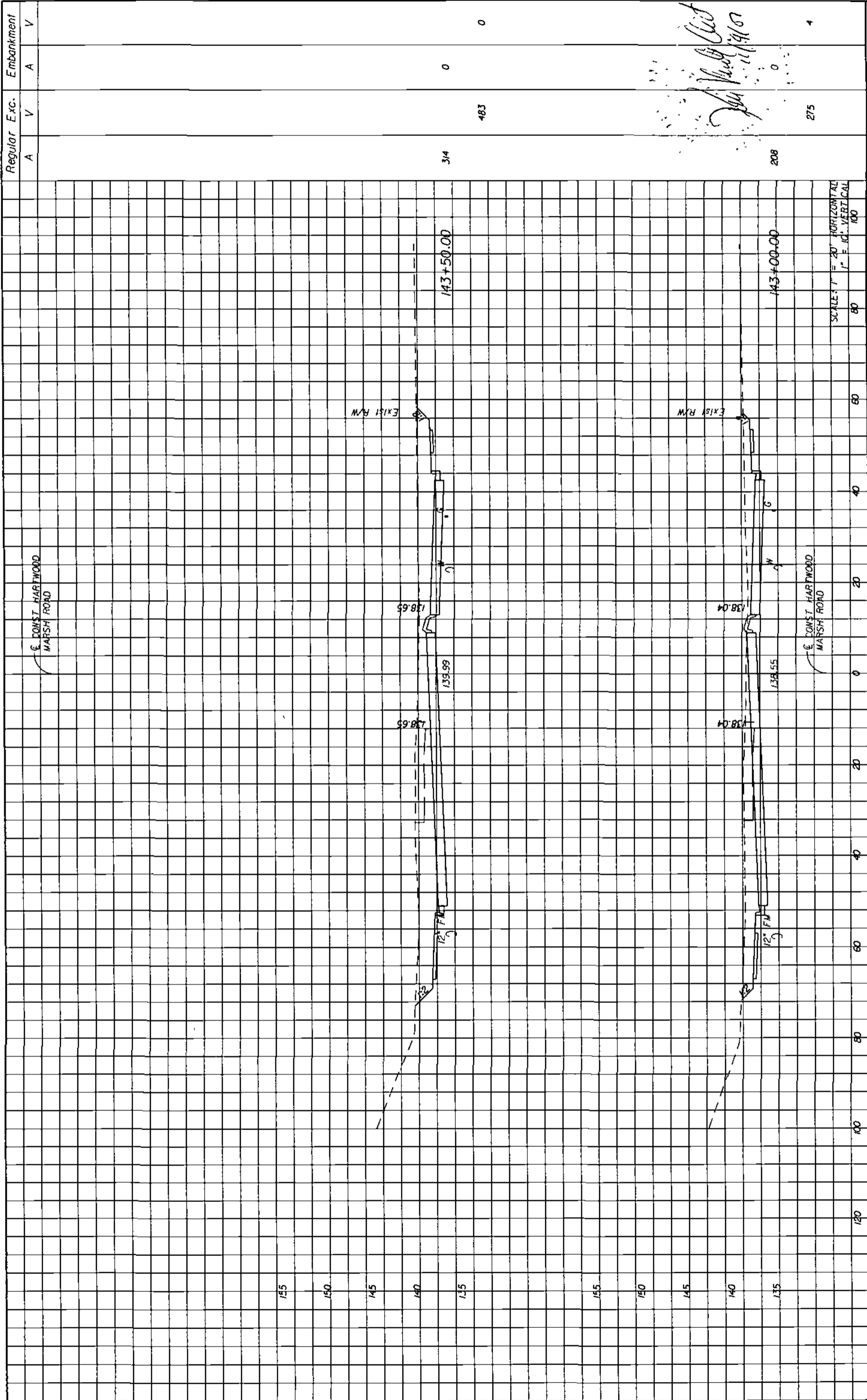


Regular	Exc.	Embankment
A	V	A
		V
89	120	4
		20
		54
		7
		11
		4(07)

<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		DATE	BY	DESCRIPTION				<p><b>HNTB</b></p> <p>ENGINEER OF RECORD KAREN M VAN DEN AVONT, P.E. FL REGISTRATION NO 44794</p>	<p>LAKE COUNTY FLORIDA</p>	<p>HARTWOOD MARSH ROAD - PHASE I</p>	<p>CROSS SECTIONS HARTWOOD MARSH ROAD</p>	<p>SHEET NO. 133</p>
DATE	BY	DESCRIPTION										

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

DATE: 11/2/2007 9:25:37 AM  
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 11/2/2007 9:25:37 AM  
 m133.dwg



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

*John Smith*  
11/14/10

Regular Exc.		Embankment	
A	V	A	V
314	0	0	0
483	0	275	4

<p><b>HNTB</b> ENGINEER OF RECORD KAREN M VAN DEN AVONT, P.E. FL REGISTRATION NO. 44794</p>		<p>LAKE COUNTY FLORIDA</p>	<p>HARTWOOD MARSH ROAD - PHASE I</p>	<p>CROSS SECTIONS HARTWOOD MARSH ROAD</p>	<p>SHEET NO. 134</p>				
<p>DATE: _____</p>	<p>BY: _____</p>	<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>				NO.	DESCRIPTION		
NO.	DESCRIPTION								

HNTB CORPORATION  
300 PHOENIX BLVD.  
SUITE 200  
LAKE MARY, FL 34746  
CERT. OF AUTH. NO. 6500  
FL REGISTRATION NO. 44794

11/2/2007 9:25:40 AM  
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ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E.  
 FL REGISTRATION NO. 44794  
 HNTB CORPORATION  
 300 PRINCEA BLVD.  
 SUITE 200  
 LAKE MARY, FL 32746  
 PHONE: 407-895-0355  
 CENT. OF AUTH. NO. 6500



LAKE COUNTY  
 FLORIDA



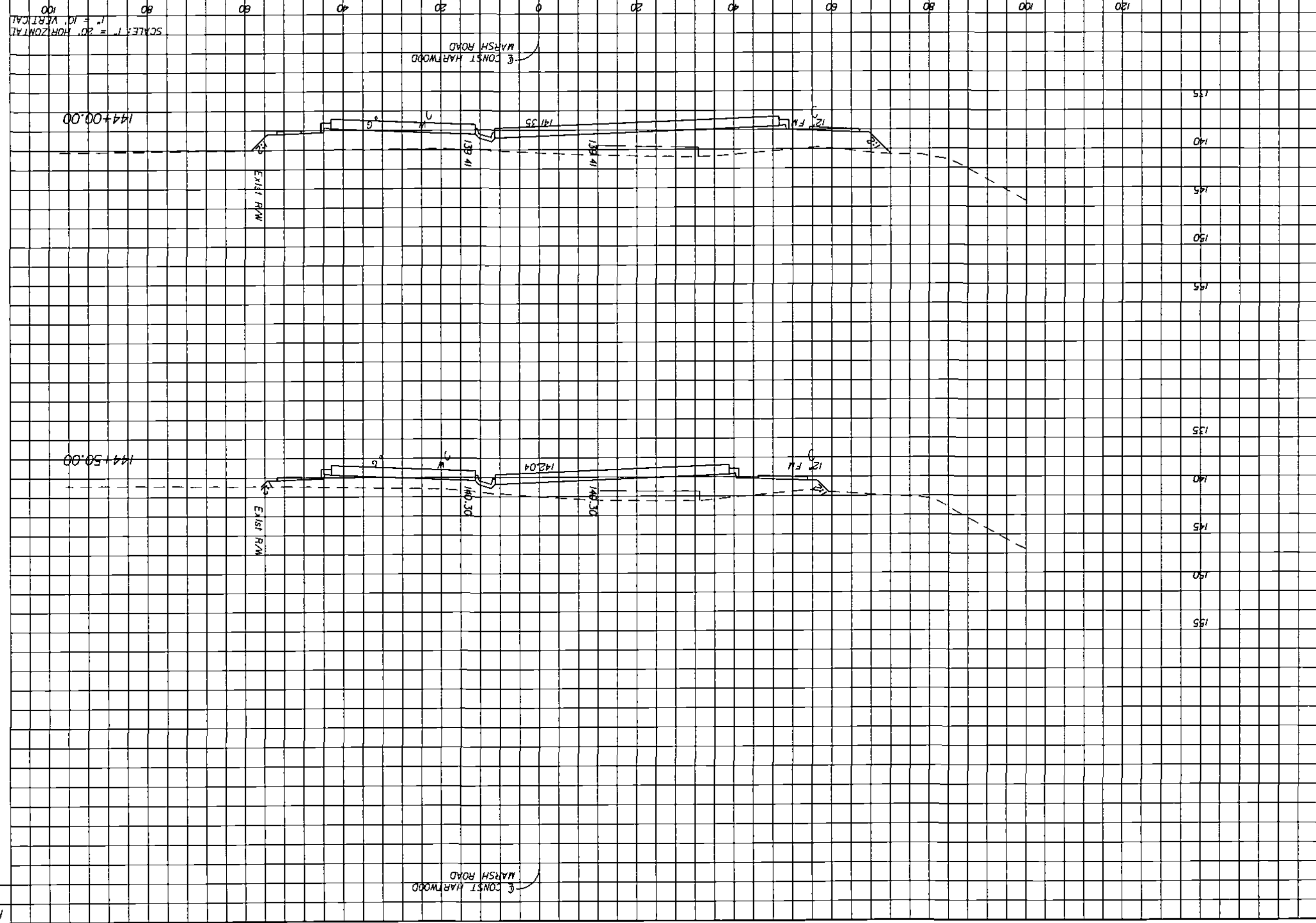
HARTWOOD MARSH  
 ROAD - PHASE I

CROSS SECTIONS  
 HARTWOOD MARSH ROAD

135

SHEET NO.

REVISIONS

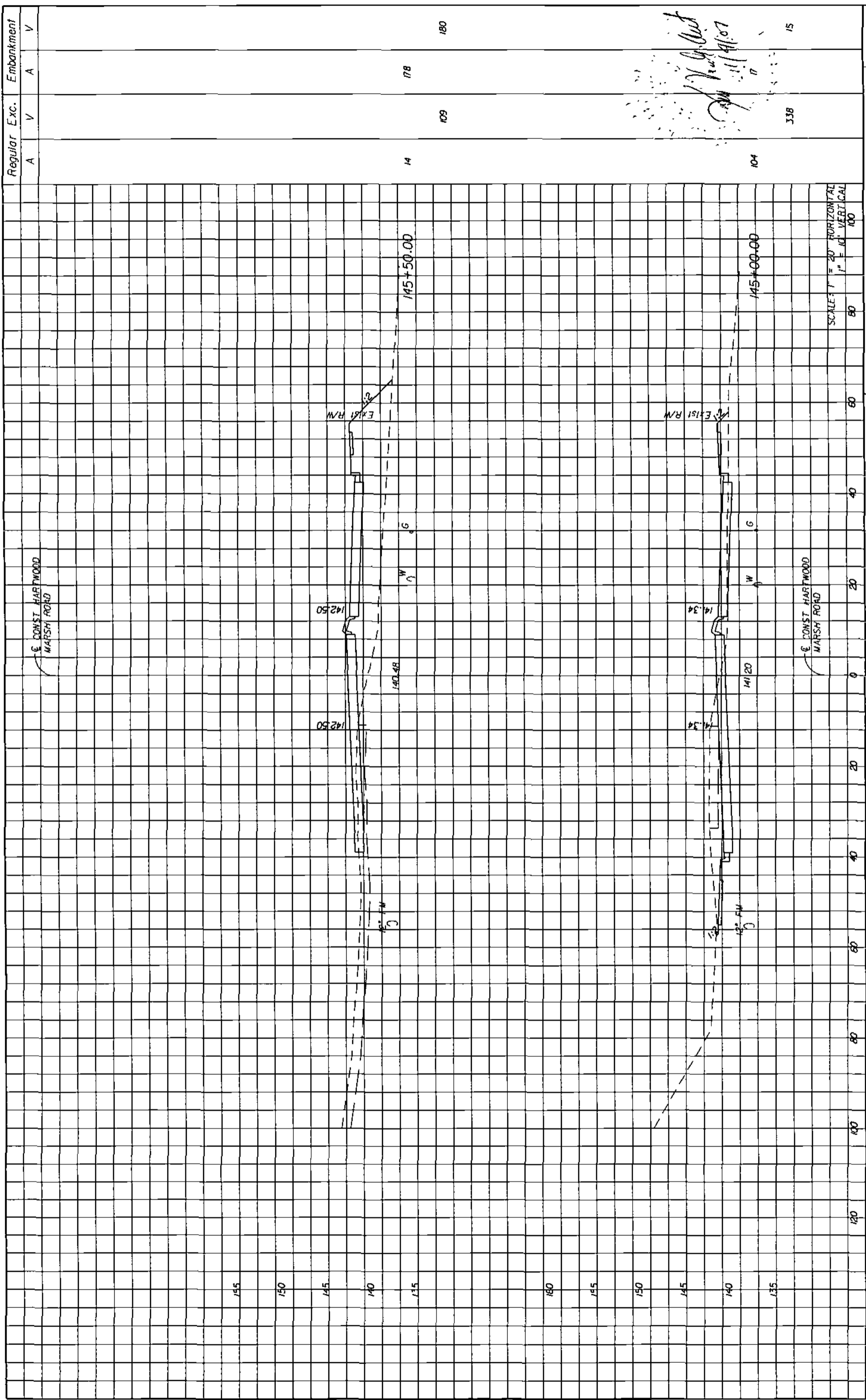


SCALE: V = 20' HORIZONTAL  
 H = 10' VERTICAL

Handwritten notes and signatures in the left margin, including a date '11/14/07' and initials.

Regular Exc. V  
 Embankment A V



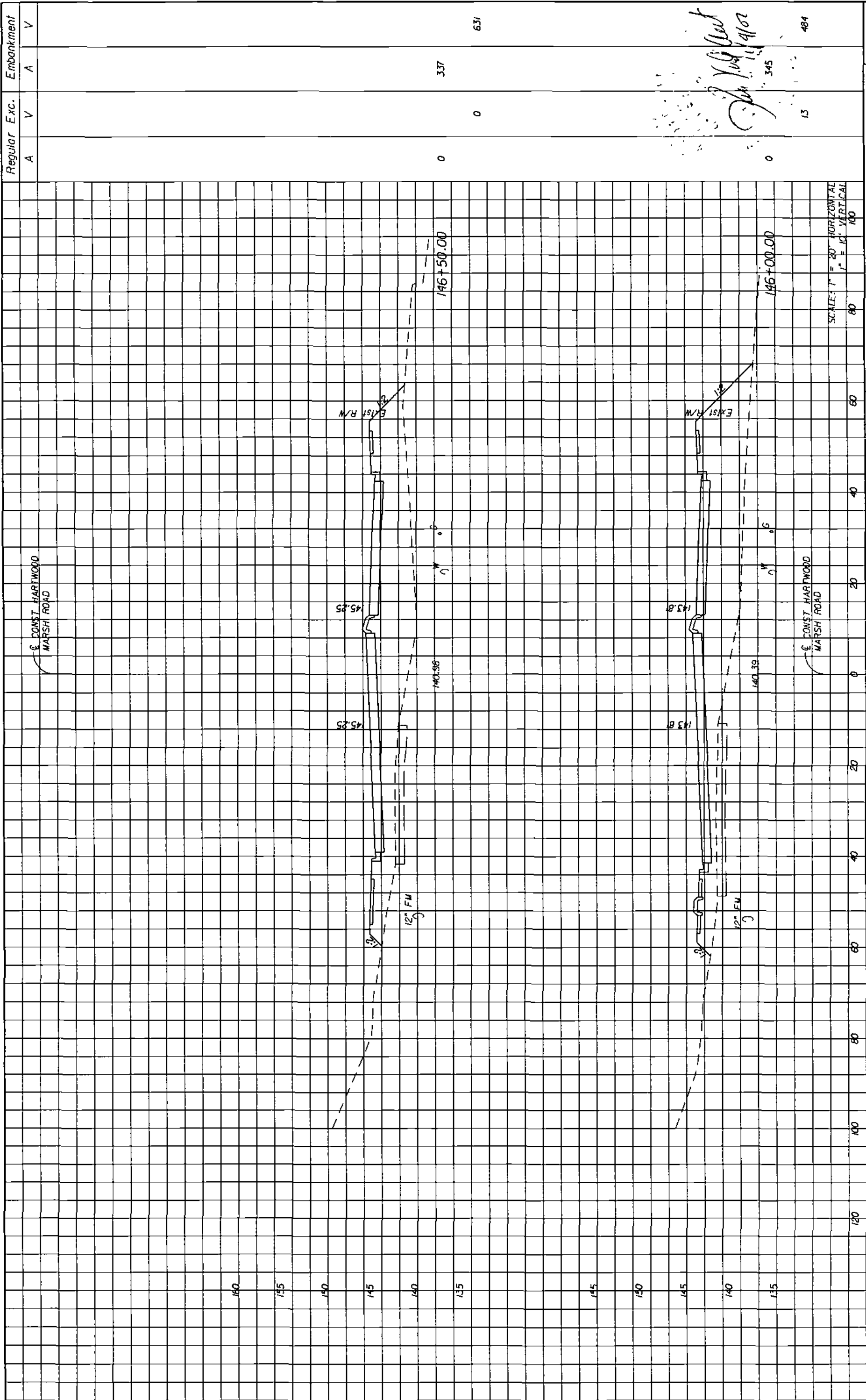


Regular Exc.		Embankment	
A	V	A	V
14	109	178	180
104	338		15

*Handwritten notes:*  
 11/11/07  
 11/11/07  
 11/11/07

<b>HNTB</b> HNTB CORPORATION 300 PRIMA BLVD. SUITE 300 LAKE MARY, FL 32746 (407) 805-0155 CERT. OF AUTH. NO. 6500 ENGINEER OF RECORD: KAREN M. VAN DEN AVORT, P.E. FL REGISTRATION NO. 44794		LAKE COUNTY FLORIDA	HARTWOOD MARSH ROAD - PHASE I	CROSS SECTIONS HARTWOOD MARSH ROAD	SHEET NO. 136
--	--	------------------------	----------------------------------	---------------------------------------	------------------

DATE	BY	DESCRIPTION



Regular Exc.		Embankment	
A	V	A	V
0	0	337	631
0	0	345	484

**HNTB**  
 HNTB CORPORATION  
 301 PRIMA BLVD.  
 SUITE 400  
 LAKE WORTH, FL 32746  
 CERT. OF REG. NO. 6500  
 ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E.  
 FL. REGISTRATION NO. 44794

**LAKE COUNTY**  
 FLORIDA

**HARTWOOD MARSH ROAD - PHASE I**

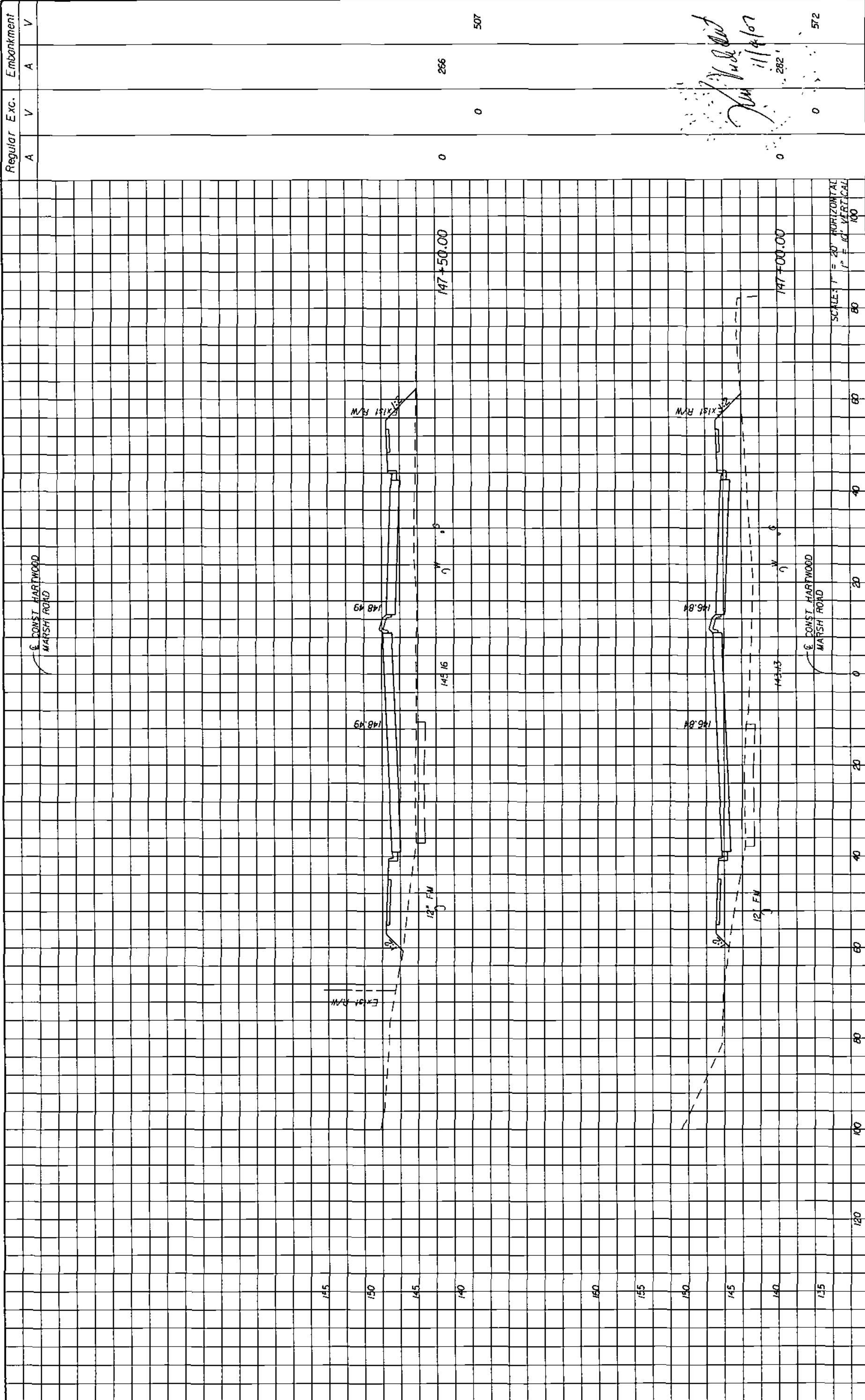
**CROSS SECTIONS HARTWOOD MARSH ROAD**

SHEET NO. **137**

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 REVISIONS: \_\_\_\_\_  
 DESCRIPTION: \_\_\_\_\_

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

1/2/2007 9:25:49 AM  
 m:\hntb\145510000\Roadway\RD15R200.dwg  
 145510000\Roadway\RD15R200.dwg



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

Regular Exc.		Embankment	
A	V	A	V
0	0	266	507
0	0	0	572

<p><b>HNTB</b> ENGINEER OF RECORD KAREN M. VAN DEN AVONT, P.E. FL REGISTRATION NO. 44794</p>		<p>LAKE COUNTY FLORIDA</p>	<p>HARTWOOD MARSH ROAD - PHASE I</p>	<p>CROSS SECTIONS HARTWOOD MARSH ROAD</p>	<p>SHEET NO. 138</p>
DATE	BY	REVISIONS			
		DESCRIPTION			

HNTB CORPORATION  
300 PRIMA BLDG.  
SUITE 200  
LAKE HAVEN, FL 32746  
(407) 805-0155  
CERT. OF AUTH. NO. 6500

DATE	BY	REVISIONS
		DESCRIPTION

DATE BY

REVISIONS DESCRIPTION



HNTB CORPORATION  
300 PARKER BLVD.  
LAKE WARE, FL 32746  
LAKE WARE, FL 32746  
SUITE 200  
CENT. OF MATH. NO. 6500  
ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E.  
FL REGISTRATION NO. 44794

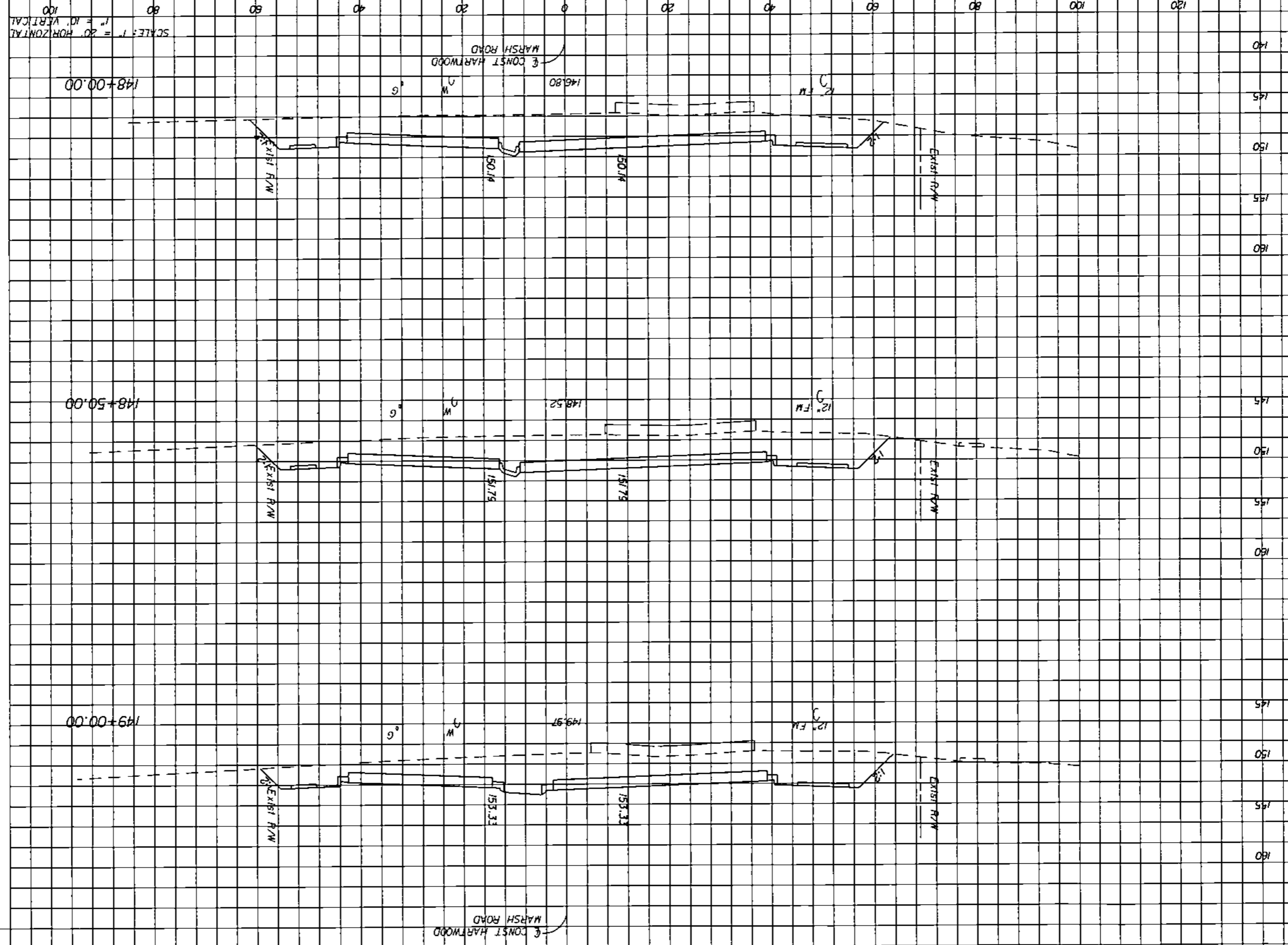
LAKE COUNTY  
FLORIDA



### HARTWOOD MARSH ROAD - PHASE I

### CROSS SECTIONS HARTWOOD MARSH ROAD

SHEET NO. 139



501 0 276

509 0 274

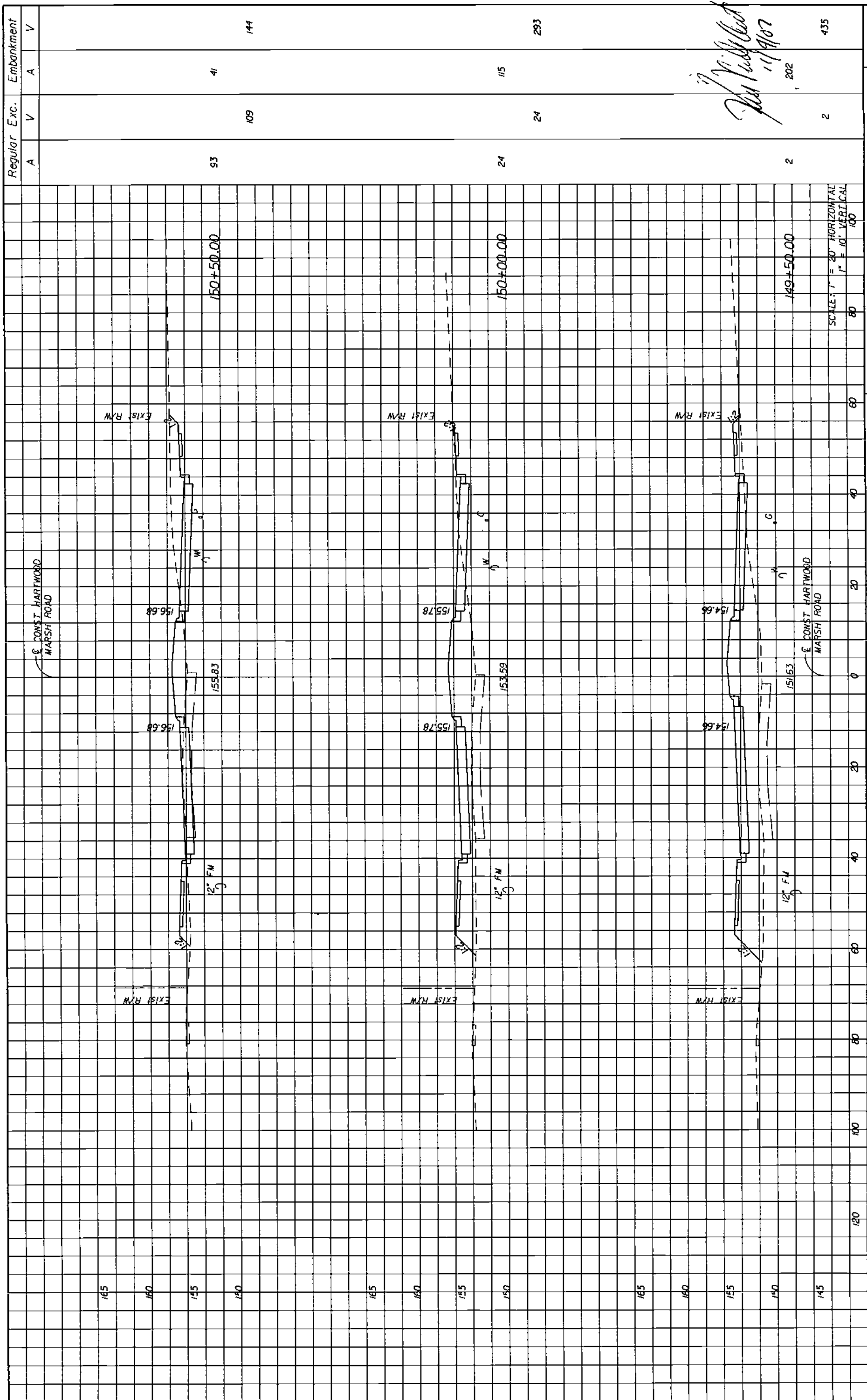
501 0 268

Regular Exc. V

Embankment V

Regular Exc. V

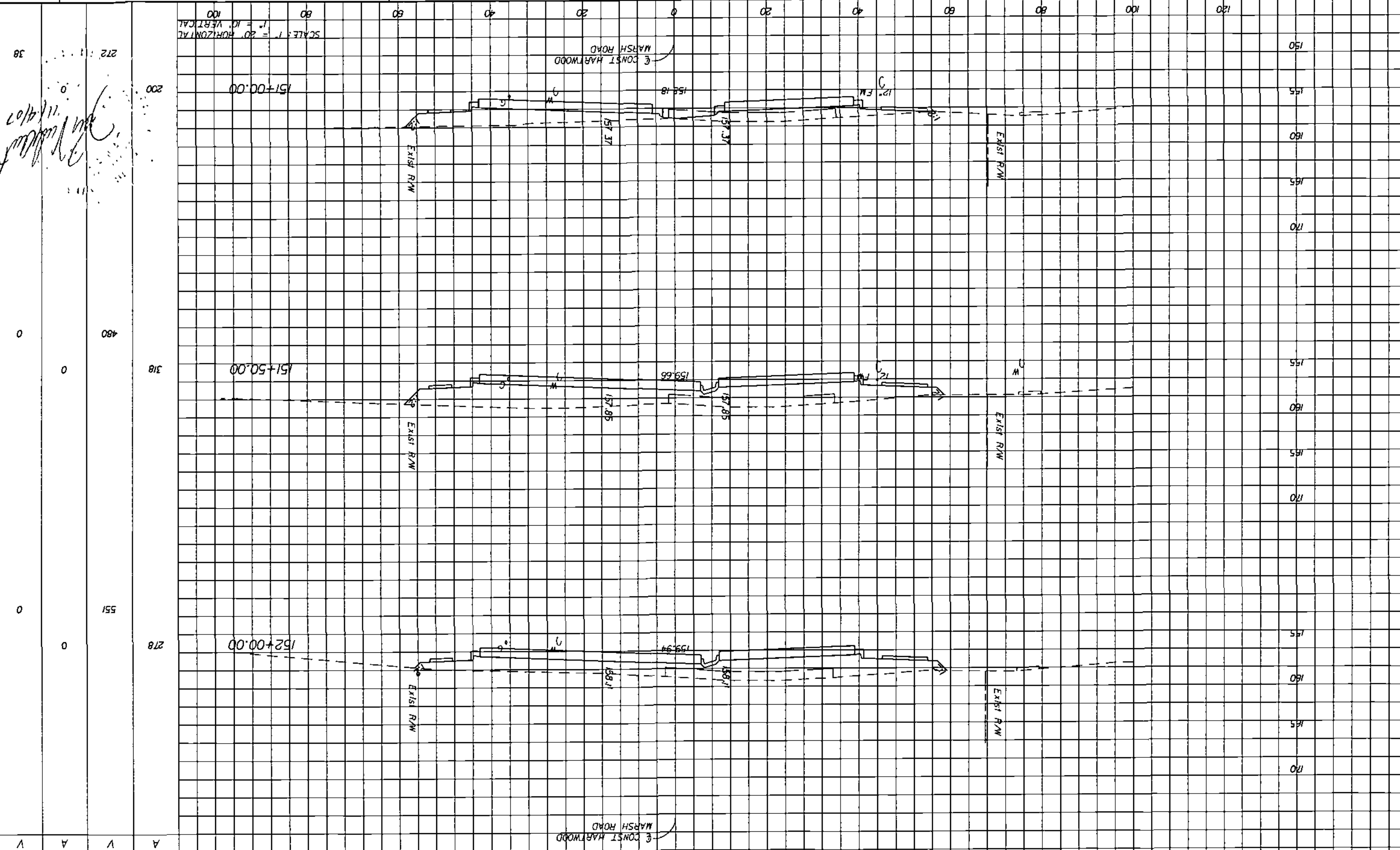
Embankment V

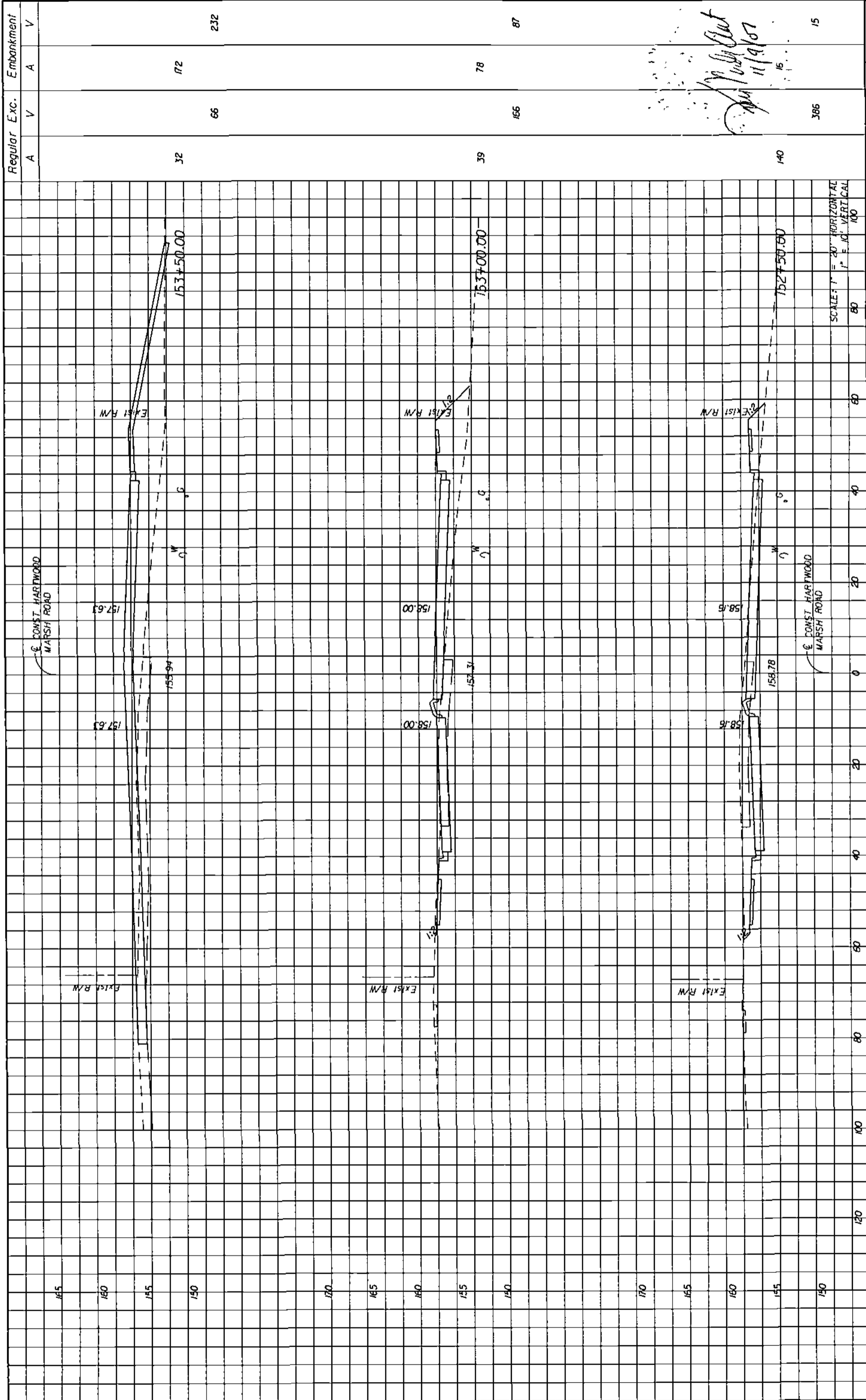


Regular Exc.		Embankment	
A	V	A	V
93	109	41	144
24	24	115	293
2	2	202	435

*John P. [Signature]*  
11/19/07

DATE	BY	DESCRIPTION
 <b>HNTB</b> HNTB CORPORATION 3075 W. BOYD BLVD. LAKE HAVY, FL 32746 (407) 895-0355 CERT. OF AUTH. NO. 6500 ENGINEER OF RECORD - KAREN M. VAN DEN AVORT, P.E. FL REGISTRATION NO. 44794		
 <b>LAKE COUNTY</b> FLORIDA		
<b>HARTWOOD MARSH ROAD - PHASE I</b>		
<b>CROSS SECTIONS</b> <b>HARTWOOD MARSH ROAD</b>		
		SHEET NO. <b>140</b>





Regular Exc.		Embankment	
A	V	A	V
32	66	72	232
39	166	78	87
140	366	15	15

*Handwritten notes:*  
 11/9/07  
 15  
 16

<p><b>HNTB</b>          HNTB CORPORATION          300 PRIMA BLVD.          SUITE 200          LAKE MARY, FL 32746          (407) 805-0355          CERT. OF AUTH. NO. 6500          ENGINEER OF RECORD, KAREN M. VAN DEN AVONT, P.E.          FL. REGISTRATION NO. 44794</p>		<p>LAKE COUNTY          FLORIDA</p>		<p>HARTWOOD MARSH          ROAD - PHASE I</p>		<p>CROSS SECTIONS          HARTWOOD MARSH ROAD</p>		<p>SHEET          NO.          142</p>					
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		DATE	BY	DESCRIPTION				<p>SCALE: 1" = 20' HORIZONTAL          1" = 10' VERTICAL</p>					
DATE	BY	DESCRIPTION											

ENGINEER OF RECORD KAREN N VAN DEN AVENT, P.E.  
 F.L. REGISTRATION NO. 44794  
**HNTB**  
 HNTB CORPORATION  
 300 PRIMERA BLVD.  
 SUITE 200  
 LAKE WARE, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500

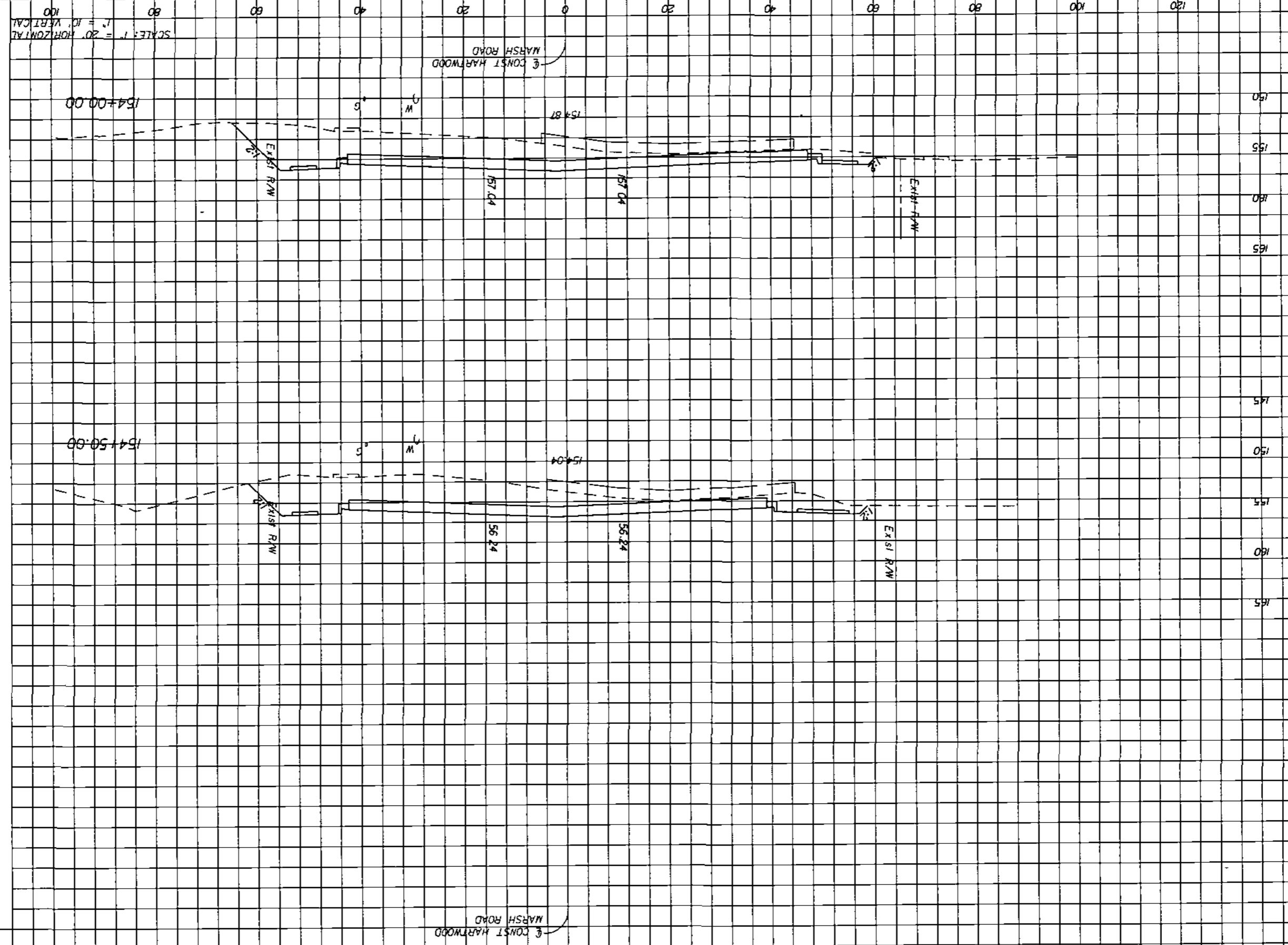
LAKE COUNTY  
 FLORIDA

HARTWOOD MARSH  
 ROAD - PHASE I

CROSS SECTIONS  
 HARTWOOD MARSH ROAD

143  
 SHEET NO.

REVISIONS  
 DATE BY DESCRIPTION

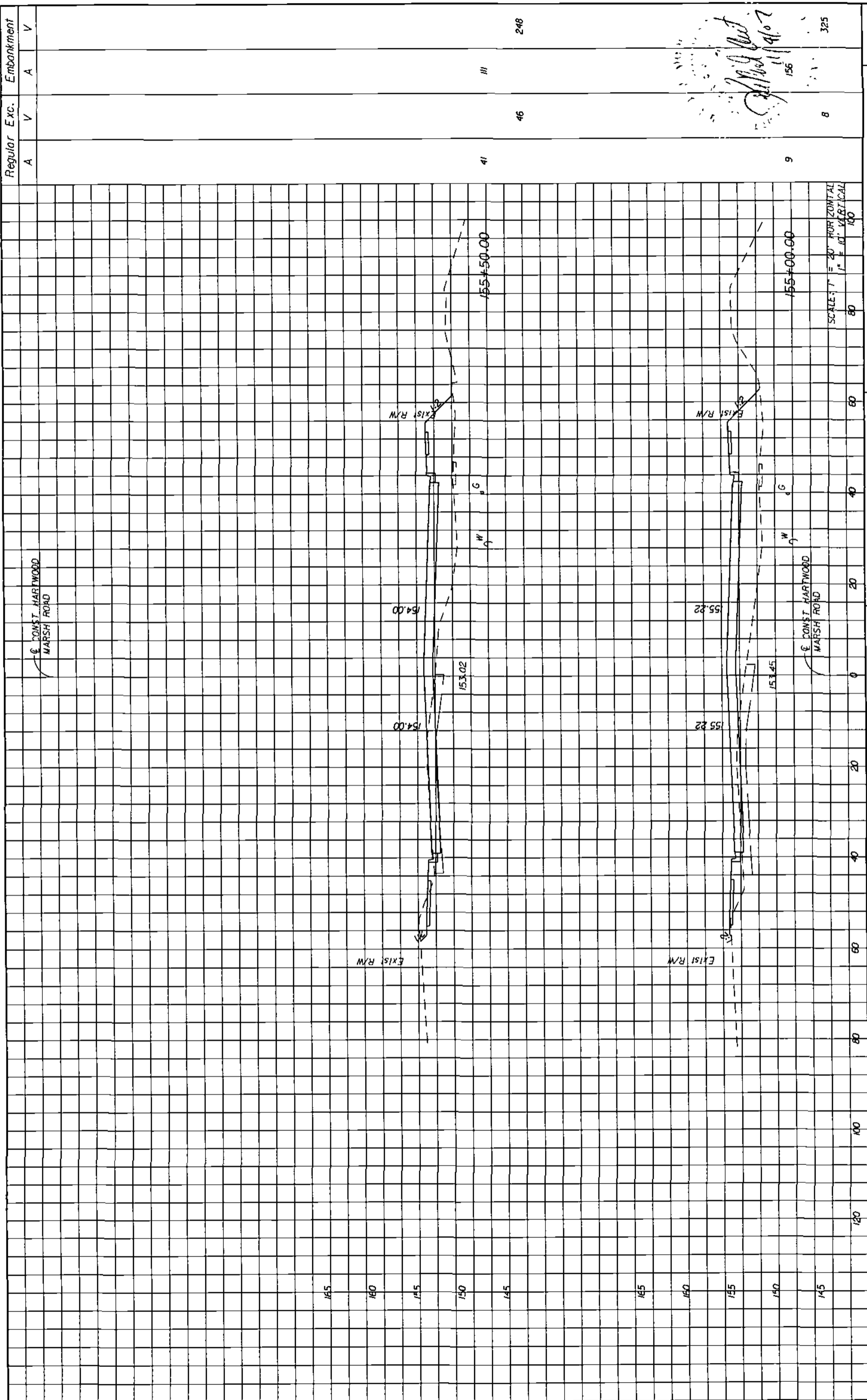


331	29	0	154+00.00	157+04	56+24	EXIST R/W	CONST HARTWOOD MARSH ROAD
352	0	0	154+50.00	157+04	56+24	EXIST R/W	CONST HARTWOOD MARSH ROAD
194	0	0					
	A	V	Regular Exc.				
	A	V	Embankment				



*Handwritten notes:*  
 11/9/07  
 [Signature]

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





Regular Exc.		Embankment	
A	V	A	V
41	46	III	248
9	8	156	325

 HNTB CORPORATION 500 PRIMA BLDG, SUITE 300 LAKE HAVY, FL 32746 (407) 805-0155 CERT. OF AUTH. NO 6500 ENGINEER OF RECORD - KAREN M VAN DEN AVORT, P.E. FL REGISTRATION NO 44794		 LAKE COUNTY FLORIDA	HARTWOOD MARSH ROAD - PHASE I	CROSS SECTIONS HARTWOOD MARSH ROAD	SHEET NO 144
DATE: _____ BY: _____	REVISIONS DESCRIPTION				

DATE BY

REVISIONS  
DESCRIPTION

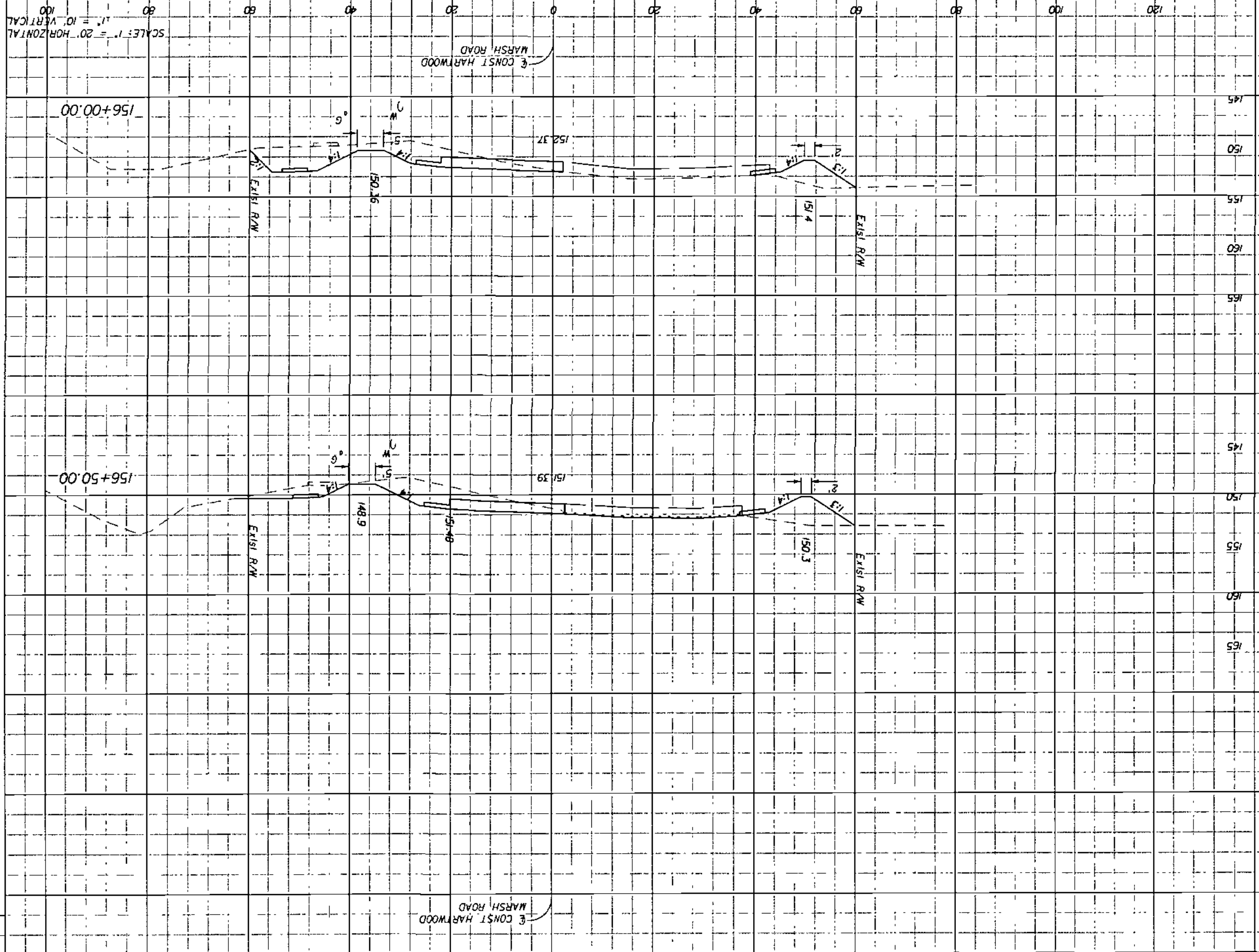
**HNTB**  
HNTB CORPORATION  
300 PHINNEY BLVD.  
SUITE 200  
LAKE WARE, FL 32746  
LAKE WARE, FL 32746  
LAKE WARE, FL 32746  
CENT. OF AUTH. NO. 6500  
ENGINEER OF RECORD: KAREN R. VAN DEN AVONT, P.E.  
FL REGISTRATION NO. 44794

LAKE COUNTY  
FLORIDA

HARTWOOD MARSH  
ROAD - PHASE I

CROSS SECTIONS  
HARTWOOD MARSH ROAD

SHEET NO. 145



Regular Exc.	A	V
Embankment	A	V

79  
12/10/07  
[Handwritten signature]

77  
126

55  
57

64  
79

DATE

BR

REVISIONS

DESCRIPTION

**HNTB**

HNTB CORPORATION  
300 PRINCE BLVD.  
SUITE 200  
LAKE WARE, FL 32746  
LAKE WARE, FL 32746  
LAKE WARE, FL 32746  
CENT. OF AUTH. NO. 6500  
ENGINEER OF RECORD: KAREN A. VAN DEN BROEK, P.E.  
FL REGISTRATION NO. 44794

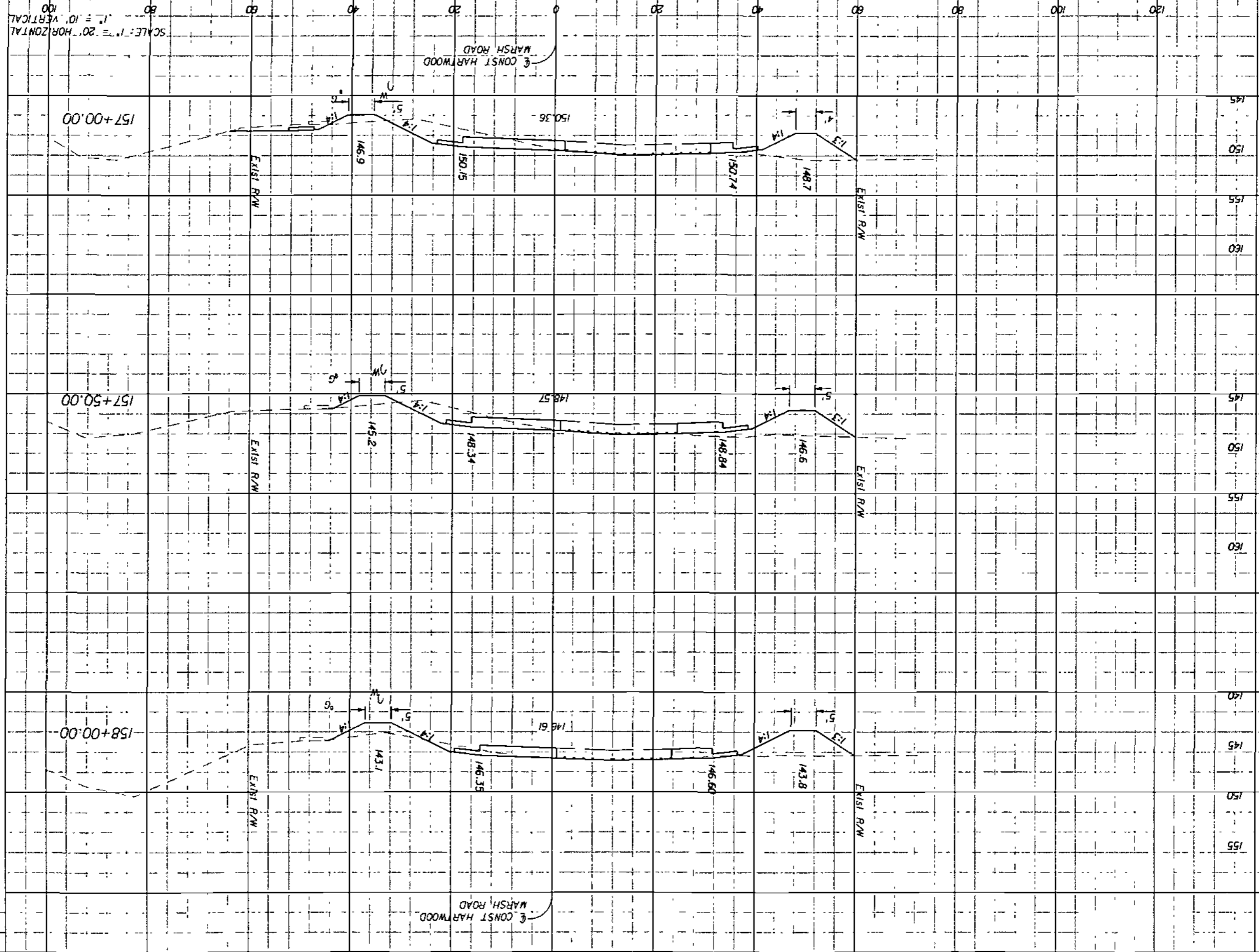


# HARTWOOD MARSH ROAD - PHASE I

# CROSS SECTIONS HARTWOOD MARSH ROAD

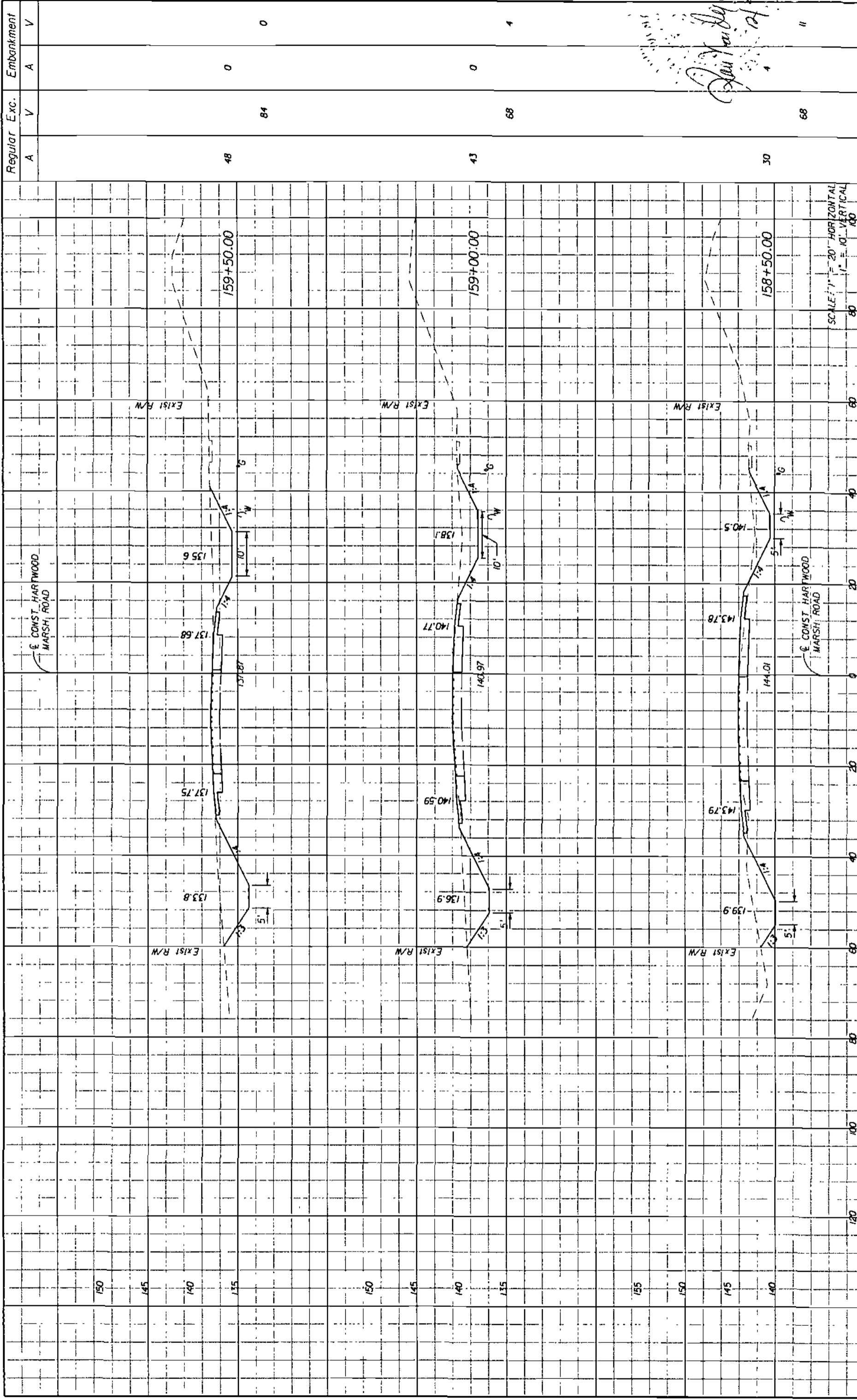
SHEET NO  
146

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



Handwritten notes and signatures on the left side of the page.

Regular Exc. A V  
Embankment A V



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

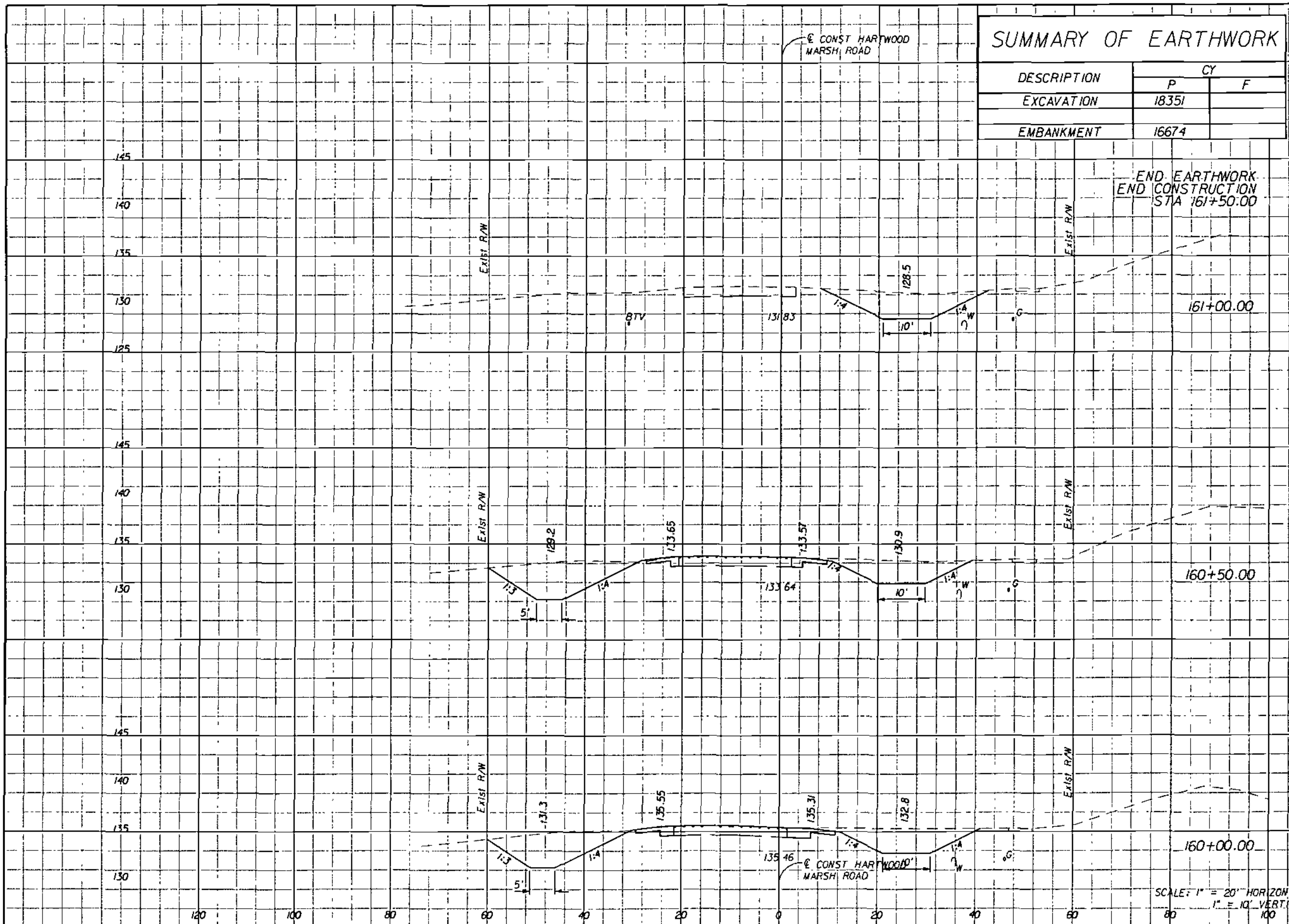
Regular Exc.		Embankment	
A	V	A	V
48	84	0	0
43	68	0	4
30	68	0	11

*John Van Dyke*  
2/15/07

<p><b>HNTB</b> CORPORATION 300 PRIMA BLVD. SUITE 200 LAKE WALKER, FL 32746 CERT. OF AUTH. NO. 6500 ENGINEER OF RECORD: KAREN M. VAN DEN AVONT, P.E. FL REGISTRATION NO. 4794</p>		<p>LAKE COUNTY FLORIDA</p>	<p>HARTWOOD MARSH ROAD - PHASE I</p>	<p>CROSS SECTIONS HARTWOOD MARSH ROAD</p>	<p>SHEET NO. 147</p>						
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		DATE	BY	DESCRIPTION							
DATE	BY	DESCRIPTION									

SUMMARY OF EARTHWORK		
DESCRIPTION	CY	
	P	F
EXCAVATION	18351	
EMBANKMENT	16674	

Regular	Exc.	Embankment	
		A	V
0	21	0	0
23	54	0	0
35	77	0	0
47	88	0	0



END EARTHWORK  
END CONSTRUCTION  
STA 161+50.00

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

*Handwritten signature and date:*  
12/19/07

REVISIONS	
DATE	DESCRIPTION

**HNTB**  
HNTB CORPORATION  
300 PRINERA BLVD,  
SUITE 200  
LAKE MARY, FL 32746  
14071 B05-0355  
CERT OF AUTH NO 6500  
ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E.  
FL REGISTRATION NO 44794



**HARTWOOD MARSH  
ROAD - PHASE I**

**CROSS SECTIONS  
HARTWOOD MARSH ROAD**

SHEET NO.  
**148**

119

SHEET NO

# CROSS SECTIONS SOUTH HANCOCK ROAD

# HARTWOOD MARSH ROAD - PHASE I

LAKE COUNTY  
FLORIDA

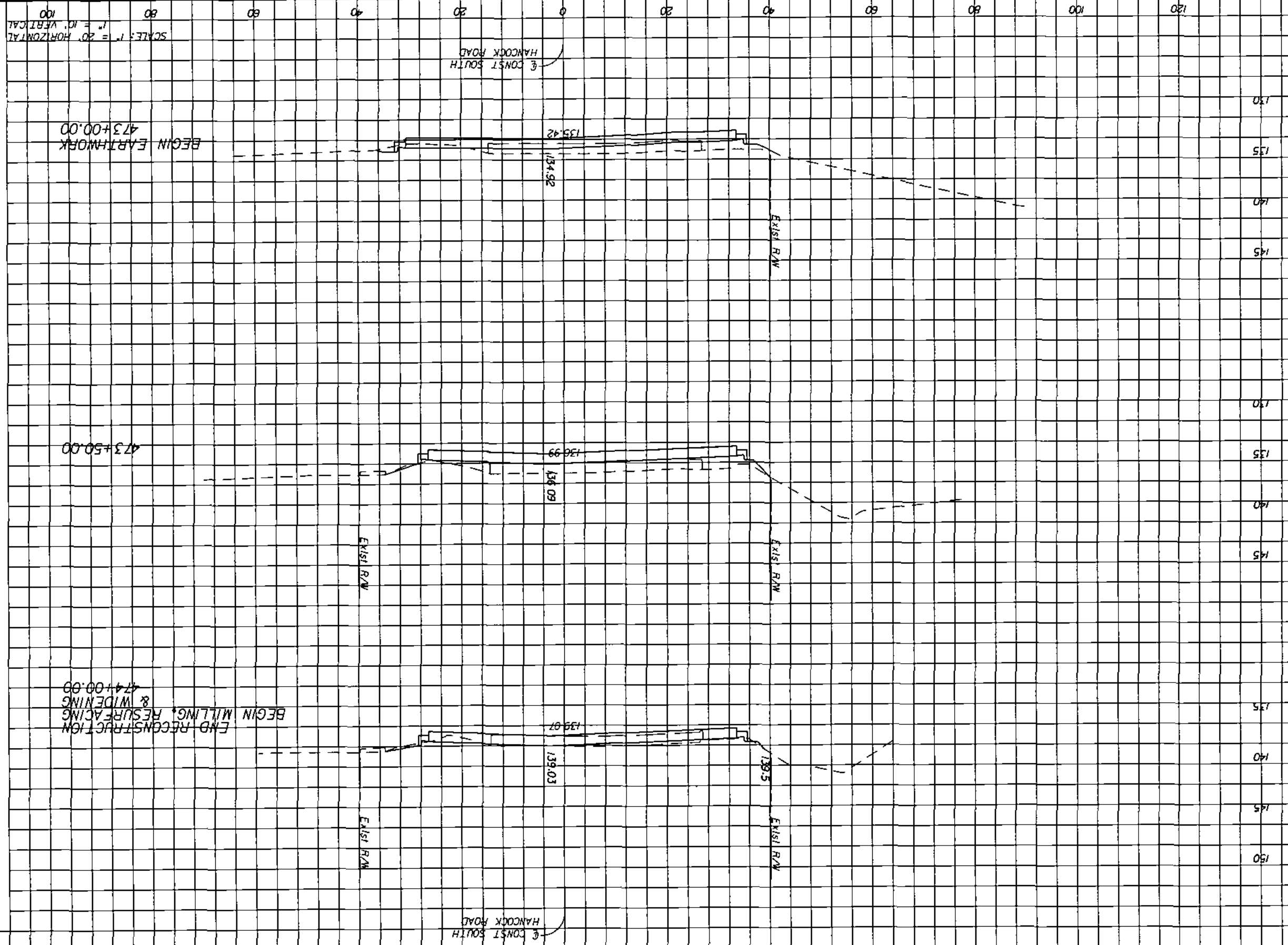


**HNTB**

HNTB CORPORATION  
300 PRIMERIA BLVD.  
LAKE WARE, FL 32146  
(407) 805-0355

ENGINEER OF RECORD: KAREN W. VAN DEN AVENT, P.E.  
FL REGISTRATION NO. 44794

REVISIONS	DATE	BY	DESCRIPTION



*Handwritten notes:*  
11/11/07  
Mud  
[Signature]

206  
1  
2

176  
1  
2

Regular Exc.    Embankment

DATE

BY

REVISIONS



HNTB CORPORATION  
300 PRIMAVERA BLVD.,  
SUITE 200  
LAKE WARE, FL 32746  
(407) 905-0355  
CENT. OF AUTH. NO. 6500  
ENGINEER OF RECORD, KAREN M VAN DEN AVONT, P.E.  
FL. REGISTRATION NO. 44794

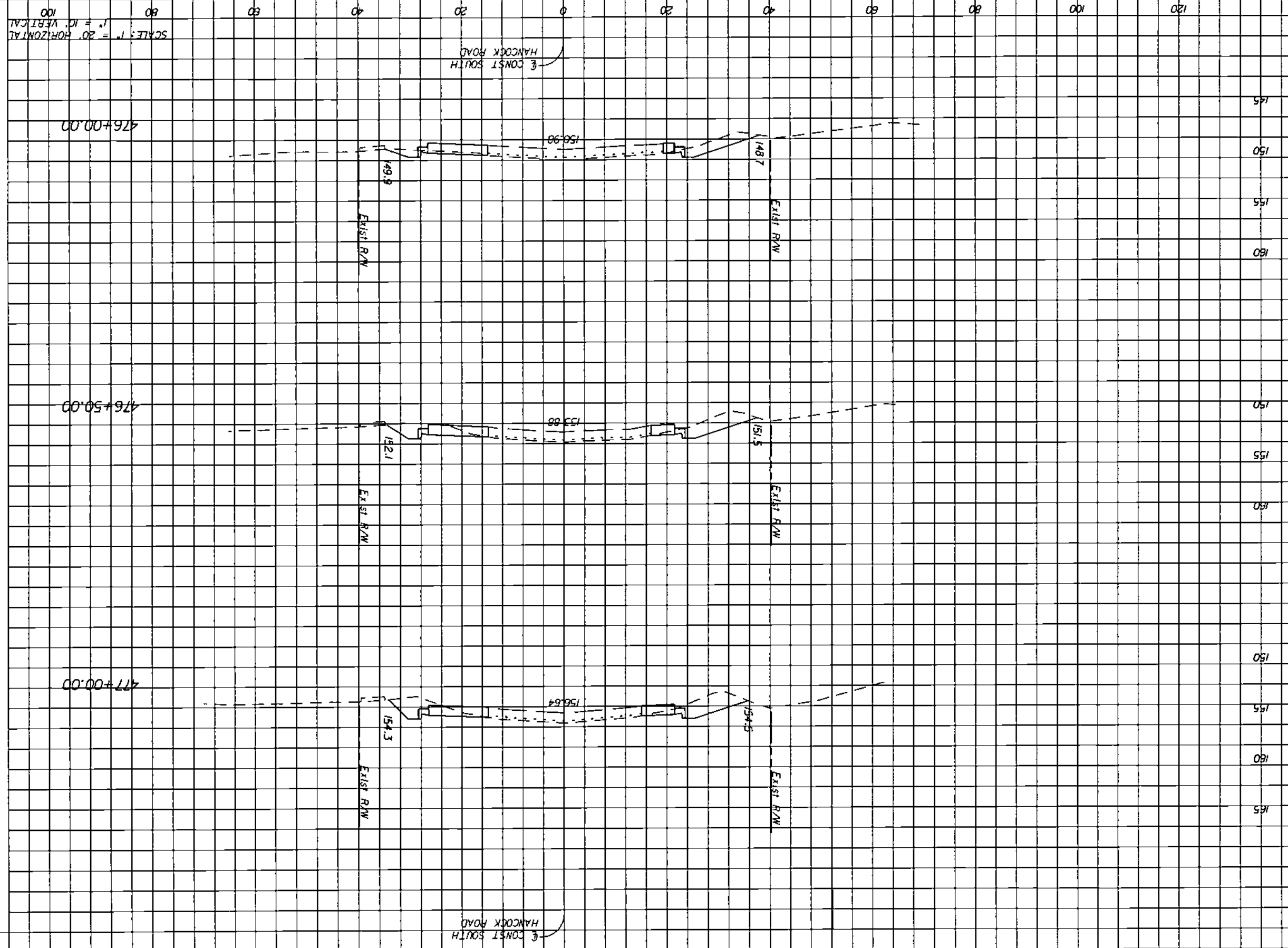


HARTWOOD MARSH  
ROAD - PHASE I

CROSS SECTIONS  
SOUTH HANCOCK ROAD

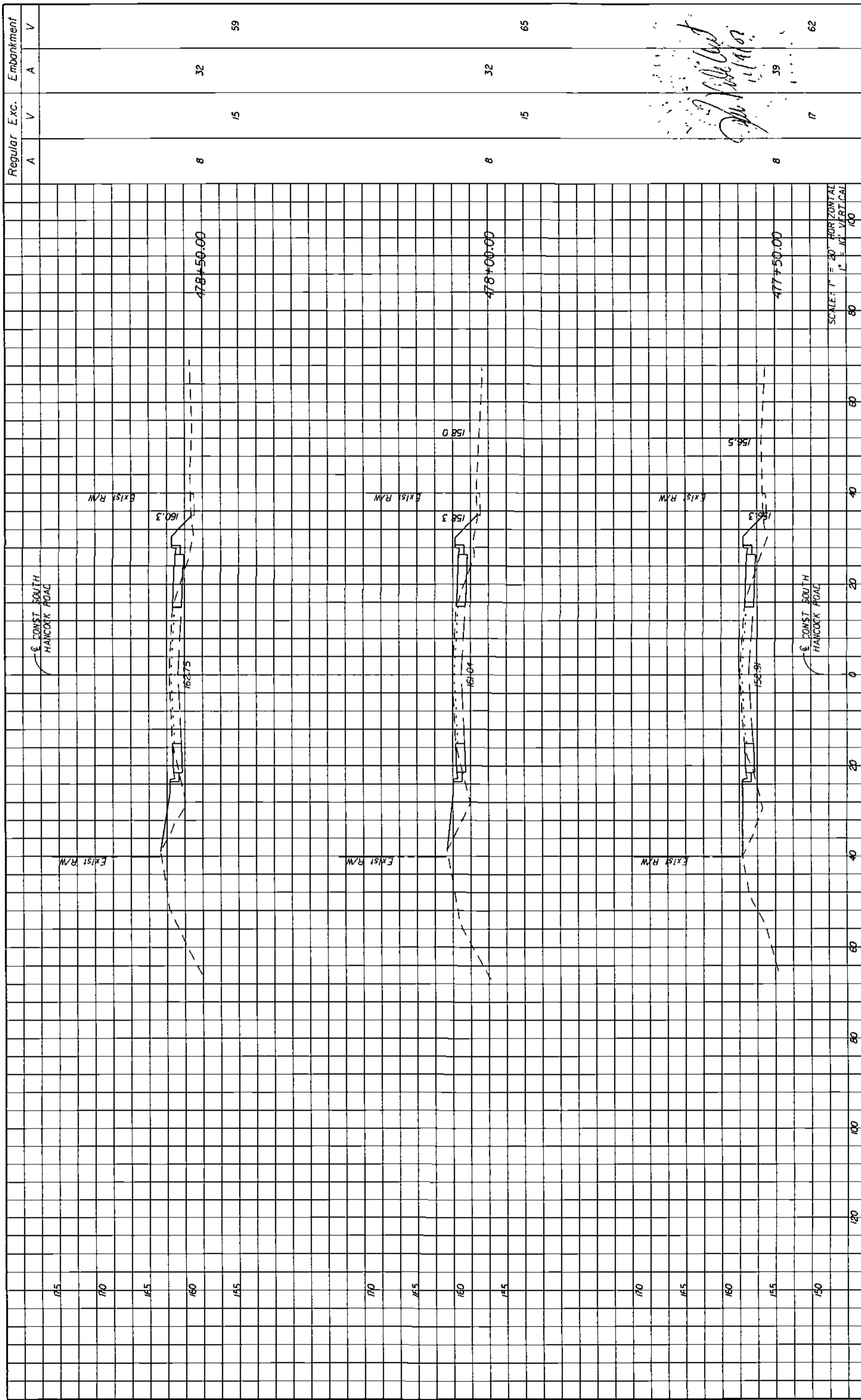
151

SHEET NO.



*Handwritten notes:*  
15  
11/14/02  
*Signature*

Regular Exc.    V    A  
Embankment    V    A



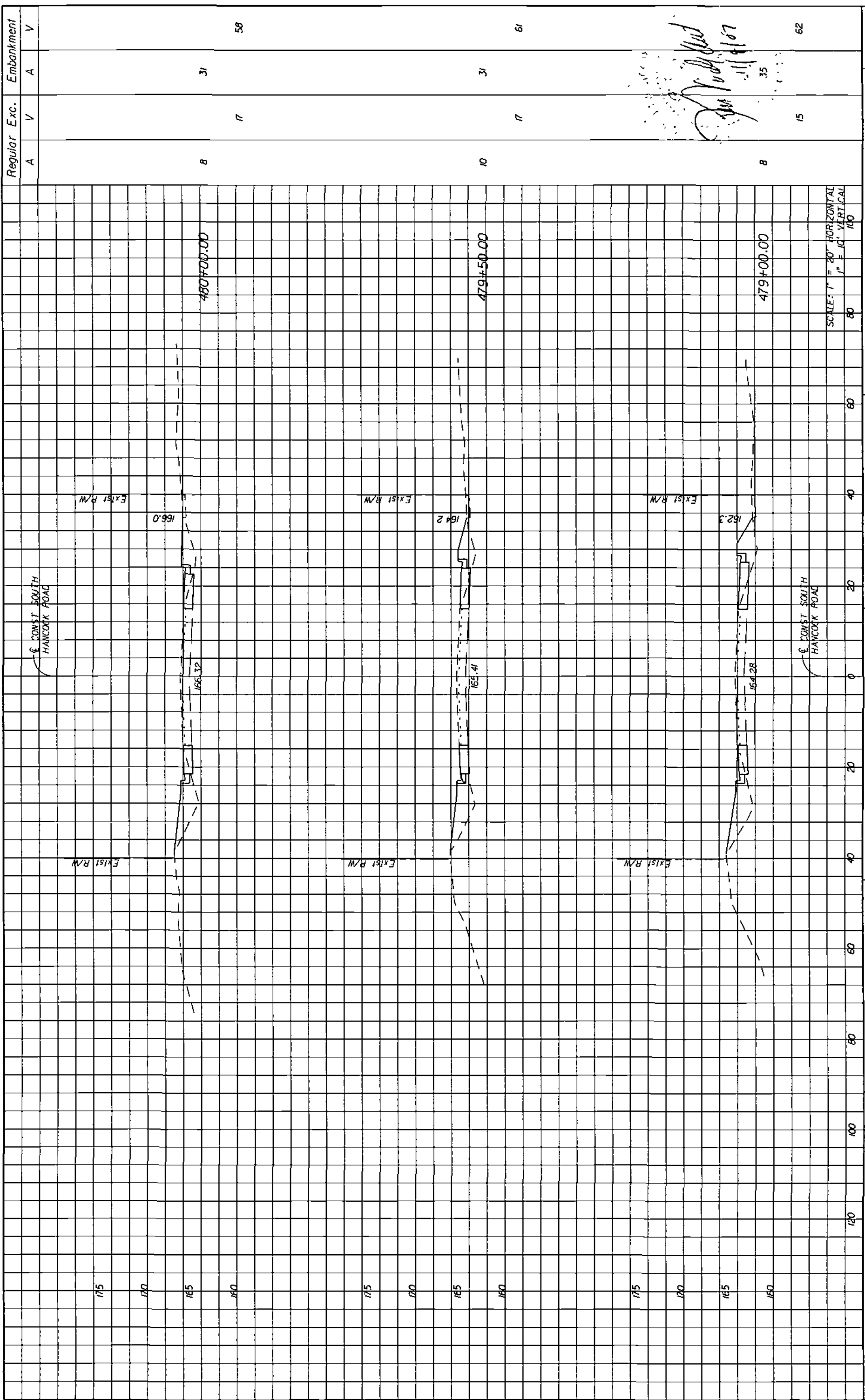
SCALE: 1" = 20' HORIZONTAL  
1" = 10' VERTICAL

Regular Exc.		Embankment	
A	V	A	V
8	15	32	59
8	15	32	65
8	17	39	62

*Handwritten signature and date: 11/11/01*

<p><b>HNTB</b> ENGINEER OF RECORD: KAREN M VAN DEN AVONT, P.E. FL REGISTRATION NO 44794</p>		<p>LAKE COUNTY FLORIDA</p>	<p>HARTWOOD MARSH ROAD - PHASE I</p>	<p>CROSS SECTIONS SOUTH HANCOCK ROAD</p>	<p>SHEET NO. 152</p>						
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		DATE	BY	DESCRIPTION				<p>11/2/2007 9:26:46 AM \\flm001\pawor\Jobs\1551-Phas I\15510001\roadway\FD15R003.dwg</p>			
DATE	BY	DESCRIPTION									



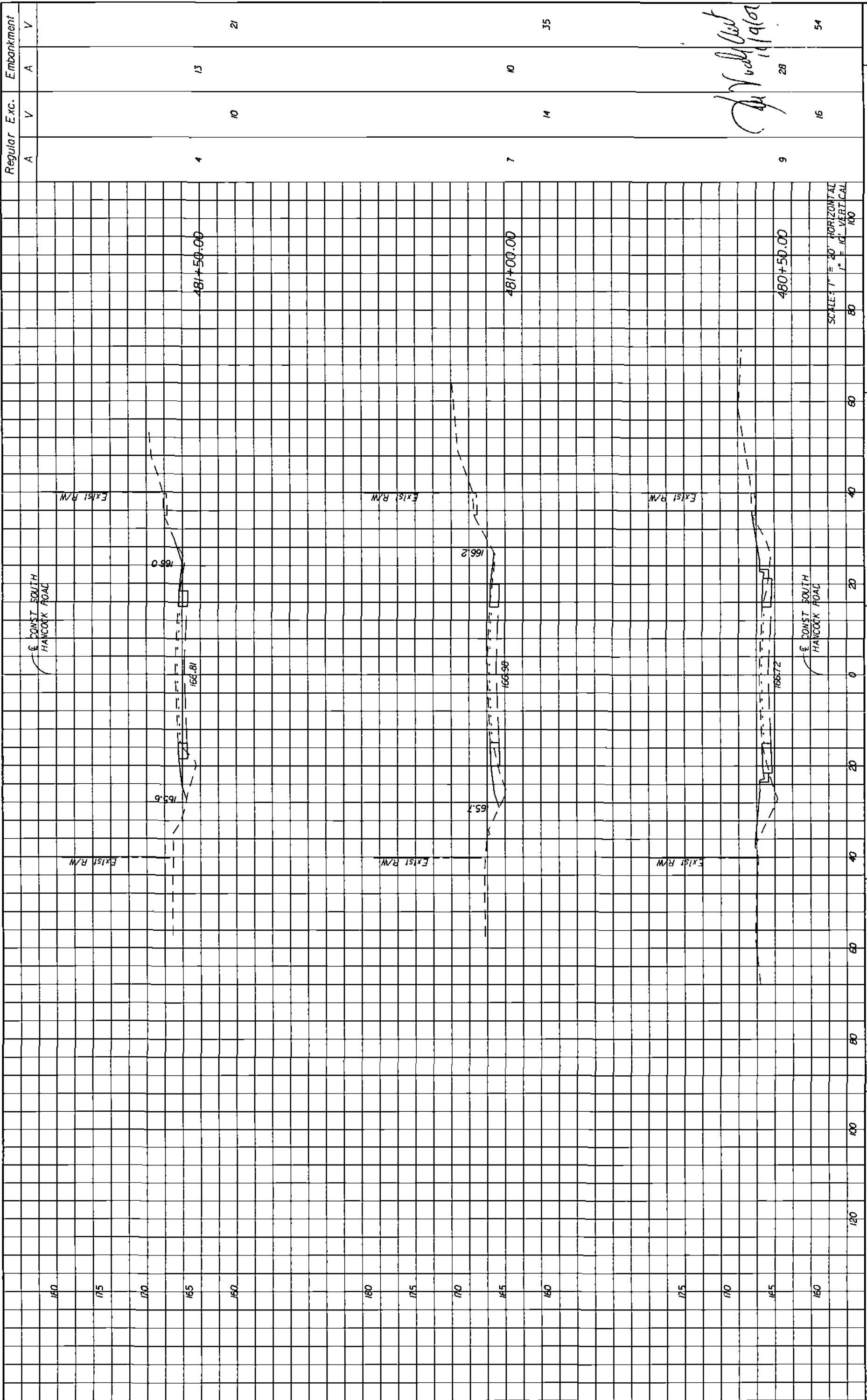


Regular Exc.		Embankment	
A	V	A	V
8	17	31	58
10	17	31	61
8	15	35	62

<b>HNTB</b> ENGINEER OF RECORD - KAREN M. VAN DEN ANWYLT, P.E. FL. REGISTRATION NO. 44794		LAKE COUNTY FLORIDA		HARTWOOD MARSH ROAD - PHASE I		CROSS SECTIONS SOUTH HANCOCK ROAD		SHEET NO <b>153</b>
REVISIONS DATE BY DESCRIPTION								

HNTB CORPORATION  
 300 PRINERA BLVD.  
 SUITE 200  
 LAKE MAR, FL 32746  
 (407) 805-0355  
 CERT. OF AUTH. NO. 6500

8/2/2007  
 9:26:45 AM  
 \\ntb00\unwork\jason\4559-Phase I\45590000\Roadway\RD15R003.dwg  
 mfrasc

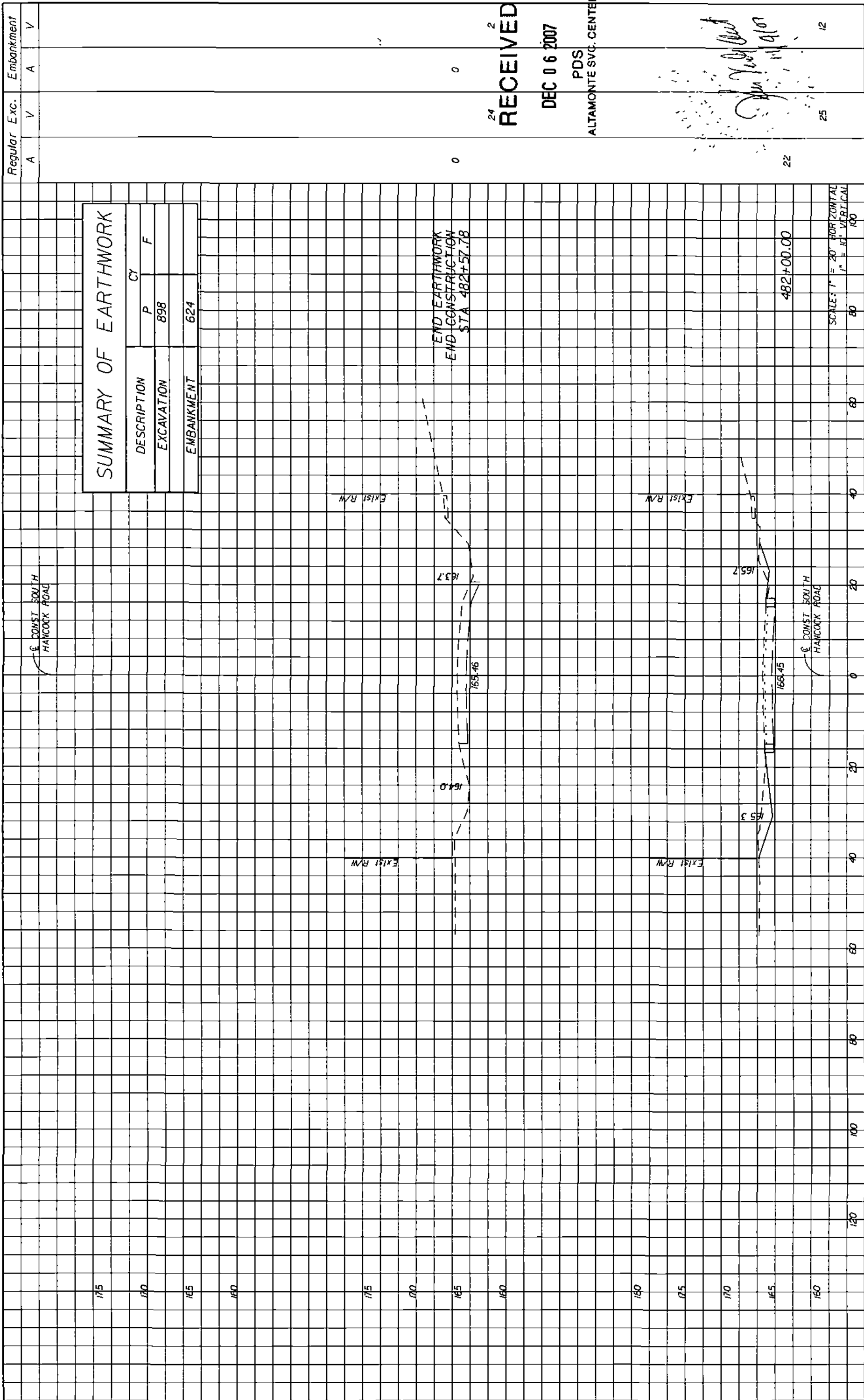


*Handwritten signature and date: J. V. ... 11/19/01*

REVISIONS		DATE		BY	DESCRIPTION

<b>HNTB</b> HNTB CORPORATION 300 PRIMA BLVD. SUITE 200 LAKE WALKER, FL 32746 (407) 805-0355 CERT. OF AUTH. NO. 6500 ENGINEER OF RECORD - KAREN M. VAN DEN AVENT, P.E. FL REGISTRATION NO. 44754		LAKE COUNTY FLORIDA	HARTWOOD MARSH ROAD - PHASE I	CROSS SECTIONS SOUTH HANCOCK ROAD	SHEET NO. <b>154</b>
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**SUMMARY OF EARTHWORK**

DESCRIPTION	P	F	CY
EXCAVATION	898		
EMBANKMENT		624	

Regular	Exc.	Embankment
A	V	A
0	0	0
22	25	12

24  
**RECEIVED**  
 DEC 06 2007  
 PDS  
 ALTAMONTE SVC. CENTER

*[Handwritten signature]*

DATE	BY	DESCRIPTION

**HNTB**  
 ENGINEER OF RECORD KAREN M. VAN DEN ANWANT, P.E.  
 FL. REGISTRATION NO. 44794

**LAKE COUNTY**  
 FLORIDA

**HARTWOOD MARSH**  
**ROAD - PHASE I**

**CROSS SECTIONS**  
**SOUTH HANCOCK ROAD**

SHEET NO. **155**