

SECTION C

ENVIRONMENTAL RESOURCE PERMIT NOTICE OF RECEIPT OF APPLICATION

This information is required in addition to that required in other sections of the application. Please submit five copies of this notice of receipt of application and all attachments. Please submit all information on 8 1/2" x 11" paper.

Project Name: Hartwood Marsh Road – Phase I from US 27 to 1500 feet east of Hancock Road
Lake: Lake
Owner: Lake County Board of County Commissioners
Applicant: Lake County Board of County Commissioners
Applicant Address: 315 W Main St. , Tavares, FL 32778

1. Indicate the project boundaries on a USGS quadrangle map, reduced or enlarged as necessary to legibly show the entire project. If not shown apparent on the quad map, attach a location map showing a north arrow and a graphic scale; Section(s), Township(s), and Range(s); and detail sufficient to allow a person unfamiliar with the site to find it. **See location map.**
2. Provide the names of all wetlands, or other surface waters that would be dredged, filled, impounded, diverted, drained, or would receive discharge (either directly or indirectly), or would otherwise be impacted by the proposed activity, and specify if they are in an Outstanding Florida Water or Aquatic Preserve. **Unnamed lake south of Hartwood Marsh Road and east of US 27.**
3. Attach a depiction (plan and section views), which clearly shows the works or other facilities proposed to be constructed. The depiction must use a scale sufficient to show the location and type of works. Use multiple sheets, if necessary. **See constructions plans.**
4. Briefly describe the proposed project (such as "construct a deck with boat shelter", "replace two existing culverts", "construct surface water management system to serve 150 acre residential development"): **The proposed project involves the reconstruction of Hartwood Marsh Road from a two lane rural roadway to a four lane urban roadway with bicycle and pedestrian facilities. Two proposed detention ponds will provide storm water treatment.**
5. Specify the acreage of wetlands or other surface waters, if any, that are proposed to be disturbed, filled, excavated, or otherwise impacted by the proposed activity: **Not Applicable.**
6. Provide a brief statement describing any proposed mitigation for impacts to wetlands and other surface waters: **Not Applicable**

FOR AGENCY USE ONLY	
Application Name:	
Application Number:	
Office where the application can be inspected:	
Date to be posted:	Hartwood Marsh Road 40-069-114354-1 Altamonte Springs Service Center
Date to be removed:	

RECEIVED

DEC 06 2007

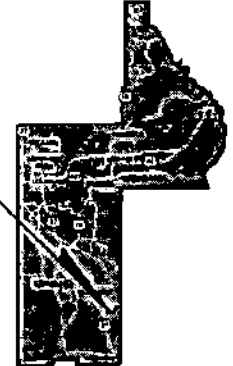
PDS
ALTAMONTE SVC. CENTER

COMPONENTS OF CONTRACT PLANS SET



LAKE COUNTY
FLORIDA
CONTRACT PLANS

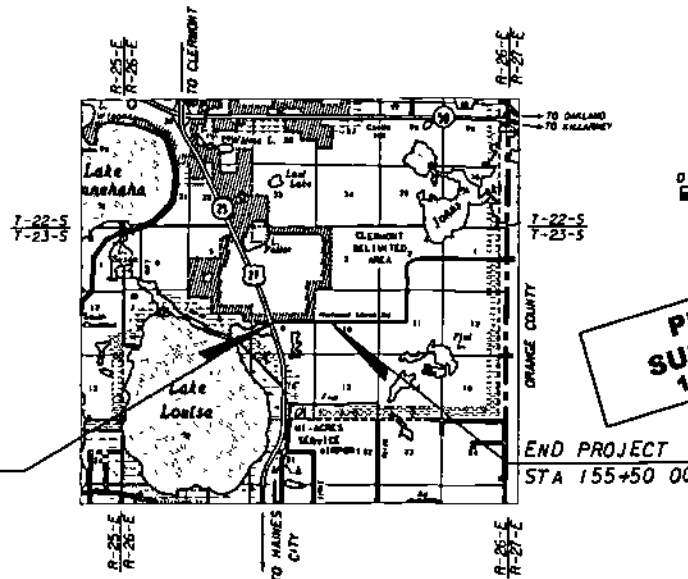
PROJECT LOCATION



INDEX OF ROADWAY PLANS

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



**PERMIT
SUBMITTAL
12/04/2007**

GOVERNING STANDARDS AND SPECIFICATIONS
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED JANUARY 2006,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED 2004,
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/roadsign/>

PROJECT LENGTH IS BASED ON E 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

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

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

P.E. NO. 44794

FISCAL YEAR	SHEET NO
07	1

LAKE COUNTY PROJECT MANAGER: THOMAS MCCANN, PE

COUNTY MANAGER
CINDY HALL

COUNTY COMMISSIONERS
CATHERINE HANSON
DEBBIE STVENGER
JENNIFER HILL
ROBERT POOL
WELTON CADWELL

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO

KAREN M VAN DEN AVONT, PE
HNTB CORPORATION
300 PRINERA BOULEVARD, SUITE 200
LAKE HAVY, FLORIDA 32746

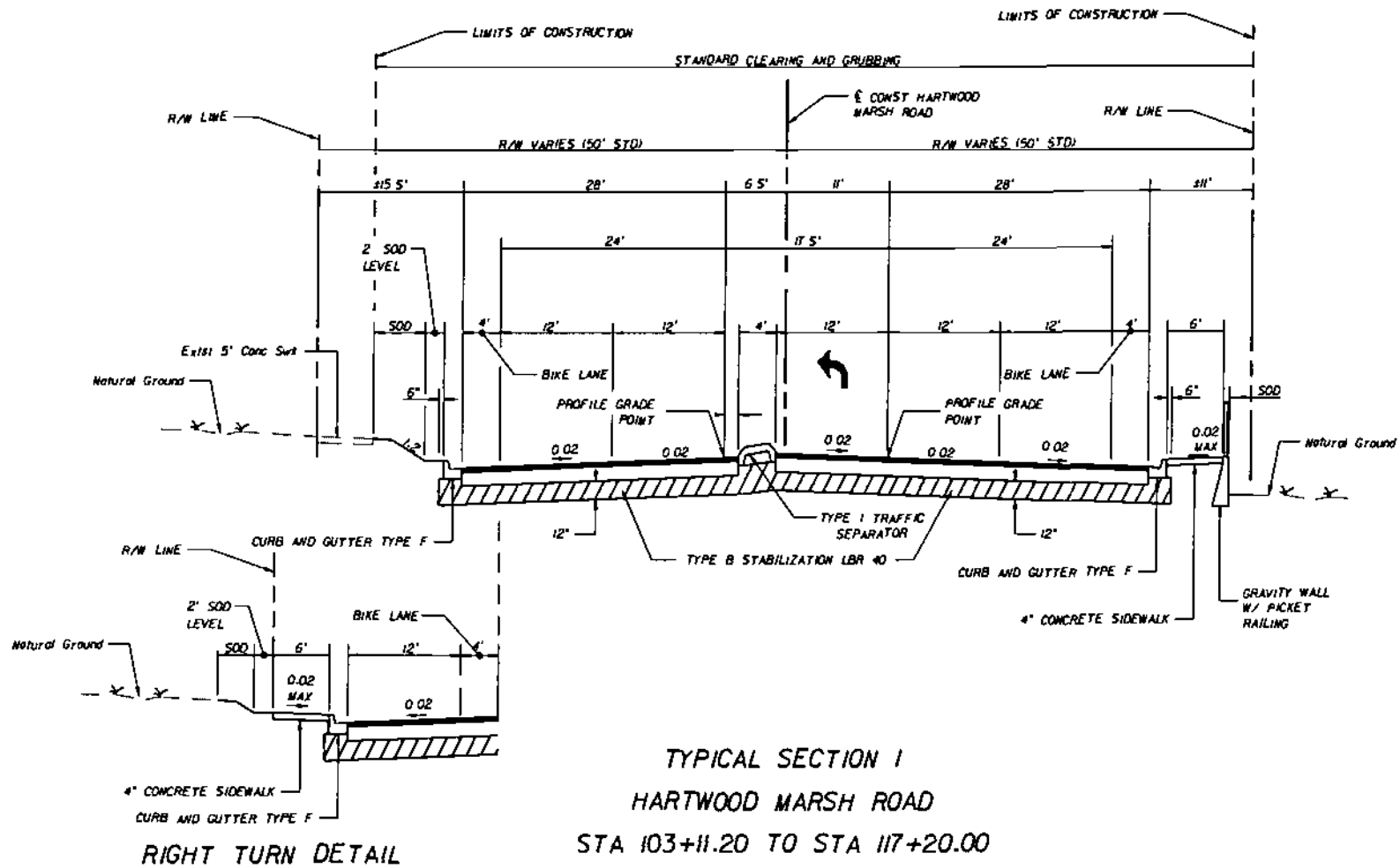
PLANS PREPARED BY

HNTB

HNTB CORPORATION
300 PRINERA BOULEVARD, SUITE 200
LAKE HAVY, 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 REPRODUCTION

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND DISPLAYED UNDER FILE NUMBER 07-01-07-01



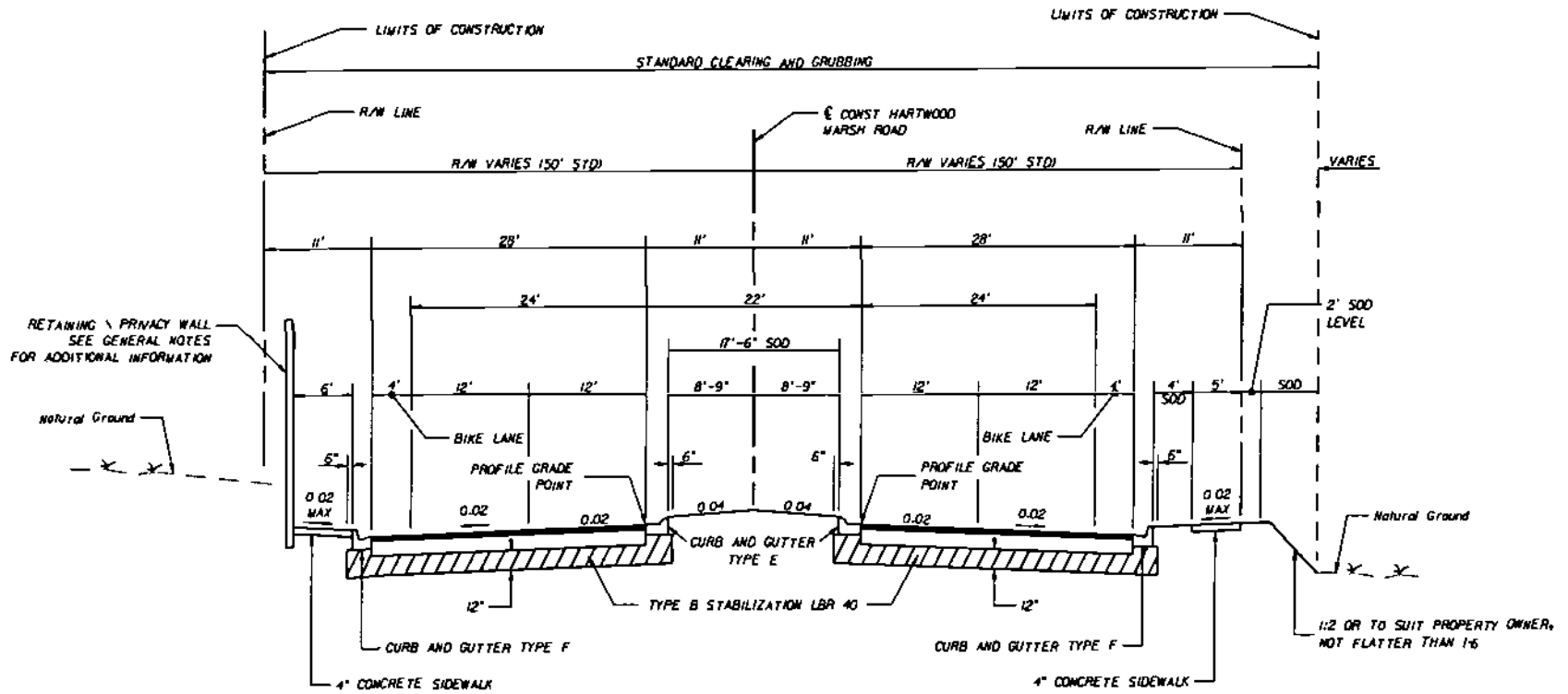
TRAFFIC DATA

CURRENT YEAR = 2005 AADT = 11,400
 ESTIMATED OPENING YEAR = 2008 AADT = 15,000
 ESTIMATED DESIGN YEAR = 2028 AADT = 35,600
 K = 11 / D = 77.3 / T = 15.6 / (24 HOUR)
 DESIGN HOUR T = 7.8 /
 DESIGN SPEED = 45 MPH
 POSTED SPEED = 40 MPH

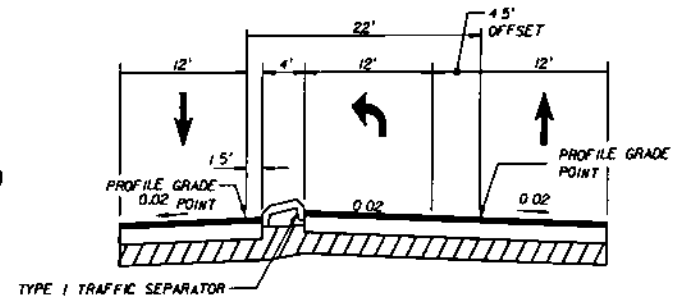
NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
 TYPE 5P STRUCTURAL COURSE (TRAFFIC CI) (3")
 AND FRACTION COURSE FC-12.5 (1.5") (RUBBER)

DATE	BY	REVISIONS DESCRIPTION	<small>HNTB CORPORATION 300 PRINCEN BLVD SUITE 800 LAKE HAVEN, FL 33746 1407 980-8300 CERT. OF REG. NO. 6500</small> <small>ENGINEER OF RECORD: KAREN A VAN DEN HERT, P.E. FL REGISTRATION NO. 44794</small>	LAKE COUNTY FLORIDA	HARTWOOD MARSH ROAD - PHASE I	TYPICAL SECTION	SHEET NO
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TYPICAL SECTION 2
 HARTWOOD MARSH ROAD
 STA 117+20.00 TO STA 132+42.50



TRAFFIC DATA

CURRENT YEAR = 2005 AADT = 11,000
 ESTIMATED OPENING YEAR = 2008 AADT = 15,000
 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)

DATE	BY	REVISIONS DESCRIPTION

HNTB
 HNTB CORPORATION
 300 PHOENIX SQUARE
 SUITE 200
 LAKE WARE, FL 32049
 (407) 825-0223
 TEXT OF NEW AG 8300

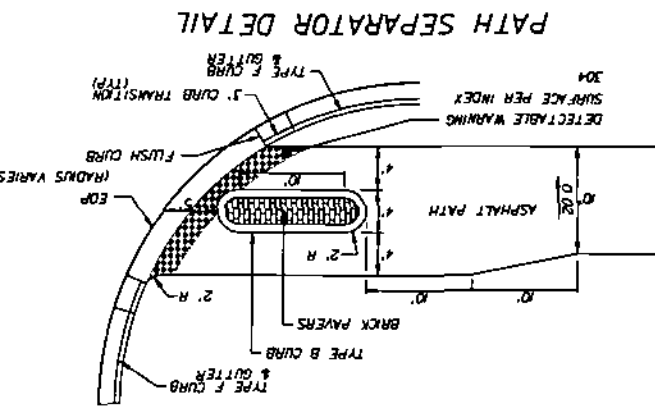
ENGINEER OF RECORD: RAREH W. VAN DEY HNTB, P.E.
 FL REGISTRATION NO. 44794

LAKE COUNTY
 FLORIDA

HARTWOOD MARSH
 ROAD - PHASE I

TYPICAL SECTION

SHEET
 NO.



TYPICAL SECTION 3

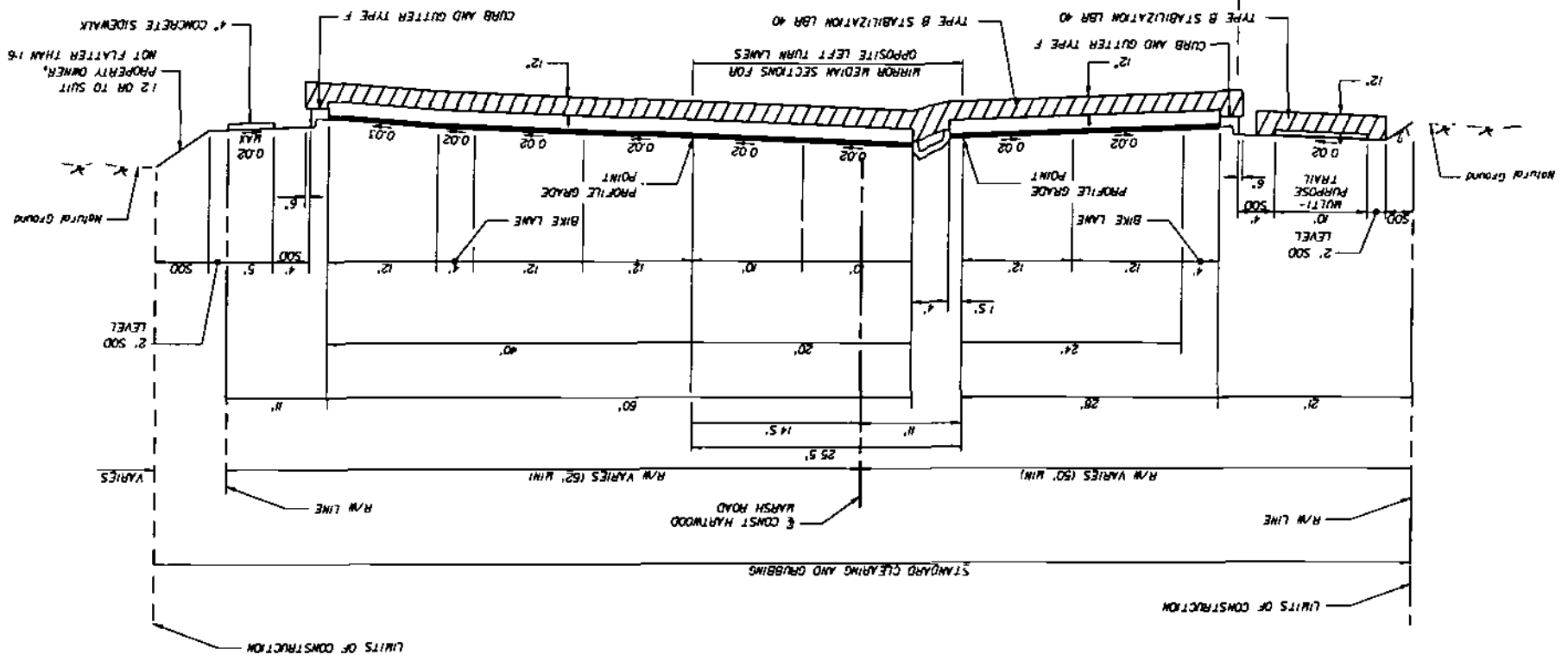
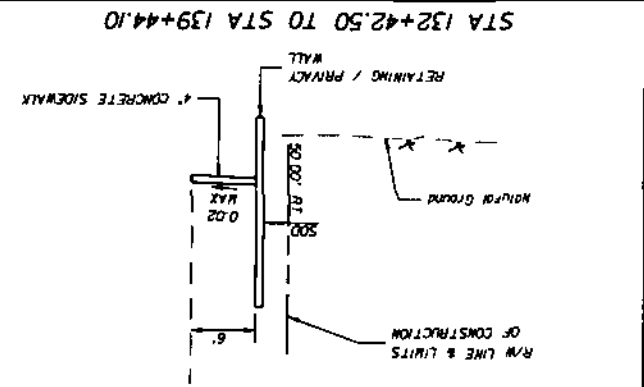
HARTWOOD MARSH ROAD

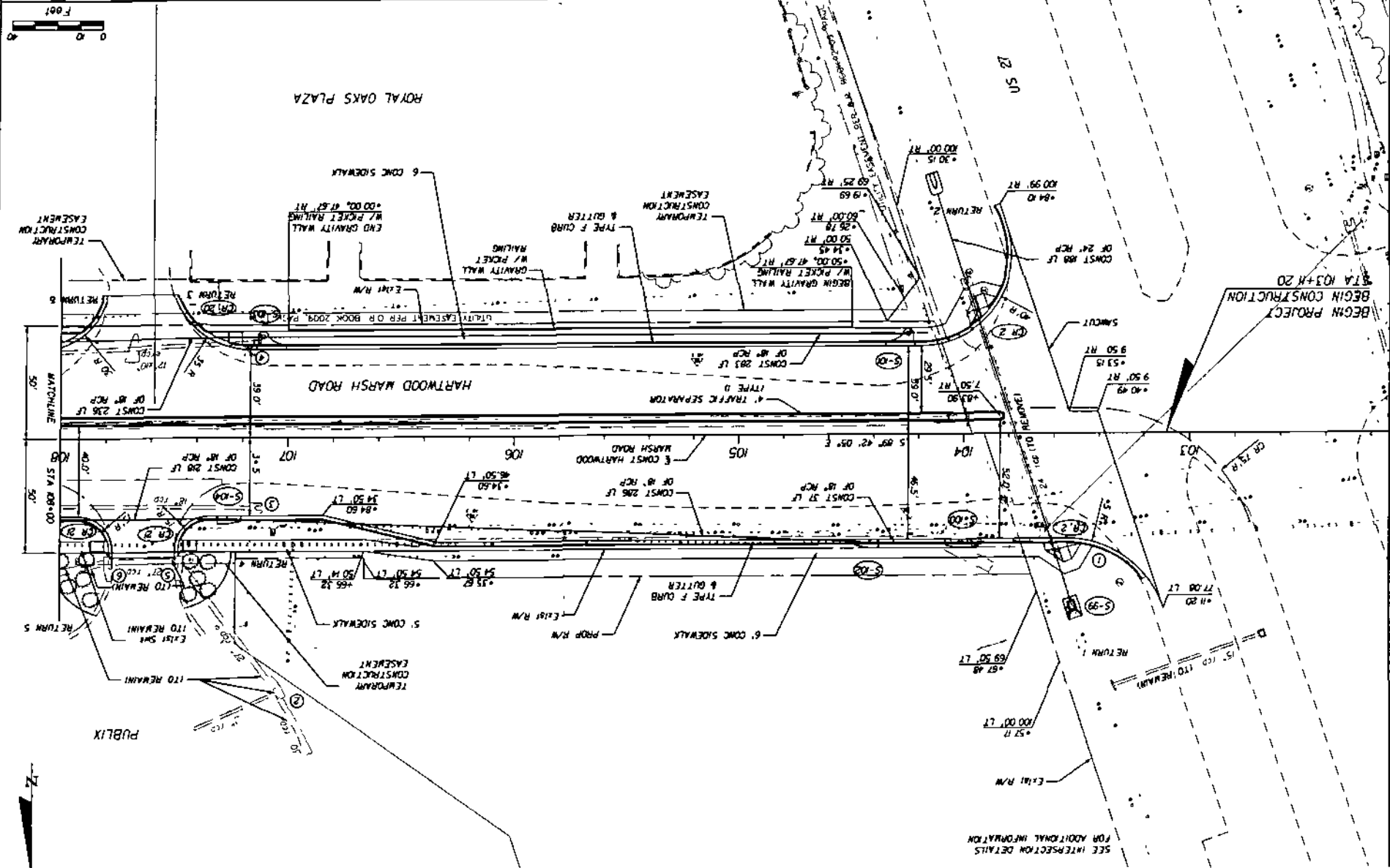
STA 132+42.50 TO STA 155+50.00

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (13")
AND FRICTION COURSE FC-12.5 (1.5") (RUBBER)
MULTI-USE ASPHALT PATH

OPTIONAL BASE GROUP 1 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC A) (11")





SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION

CITY OF CLERMONT
FIRE STATION # 2

SEE INTERSECTION DETAILS
FOR ADDITIONAL INFORMATION

DANBURY MILL BLVD
+86.39
154.91' LT
+91.39
154.91' LT
+20.20
125.00' LT
+92.40
125.00' LT

MATCH EXIST
5' CONC SIDEWALK
EXIST R/W
+92.40
125.00' LT

BEGIN RETAINING PRIVACY WALL
115+95.43, 53.02' LT

BEGIN TRANSITION LT
+20.00, 34.50' LT

RETAINING PRIVACY WALL

EXIST SWR
170' REMAIN!
+105.65
49.59' LT
+96.27
49.27' LT
+91.40
49.27' LT

RETURN
+87.38
50.00' LT
6' CONC SIDEWALK
24" FCD 170' REMAIN!

TYPE F CURB
& GUTTER

EXIST R/W 18" RCP

EXIST R/W

4' TRAFFIC SEPARATOR
(TYPE II)
+72.26
3.00' LT
114

TYPE F CURB
& GUTTER

4' TRAFFIC SEPARATOR
(TYPE II)
+105.74
44.59' LT
+102.26
3.00' LT
115

HARTWOOD MARSH ROAD

CONST 18" LF
OF 18" RCP

TYPE E CURB
& GUTTER

EXIST R/W

EXIST R/W

5' CONC SIDEWALK

CONST 20' LF
OF 18" RCP

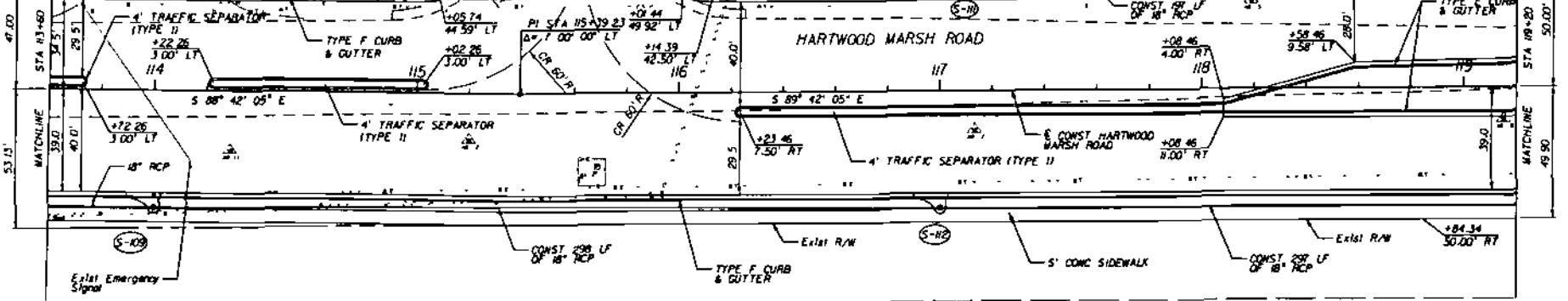
EXIST R/W 18" RCP
+84.34
50.00' RT

EXIST Emergency
Signal

CONST 20' LF
OF 18" RCP

TYPE F CURB
& GUTTER

TEMPORARY
CONSTRUCTION
EASEMENT



REVISIONS	
DATE	DESCRIPTION

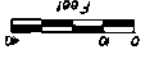
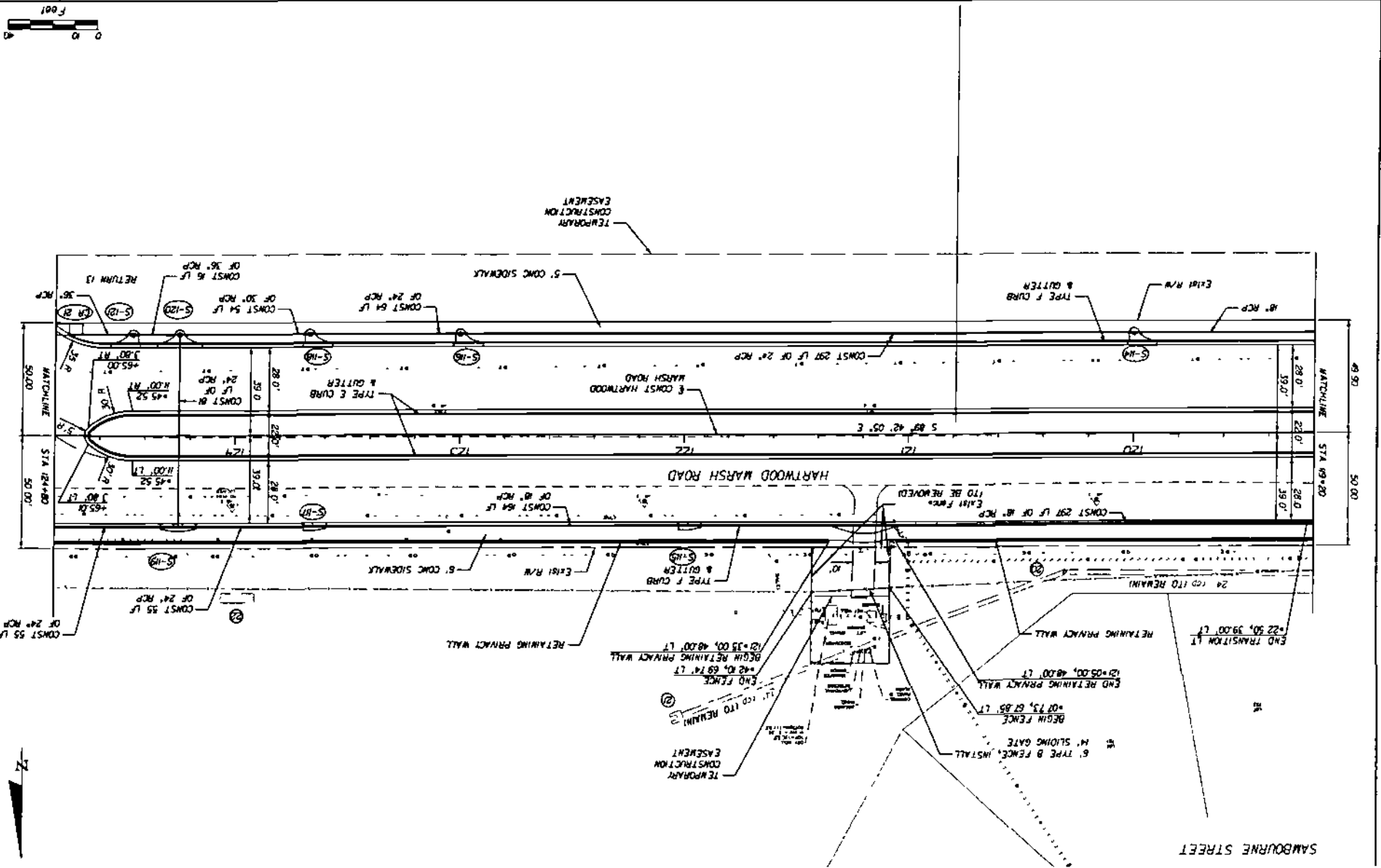
HNTB
 HNTB CORPORATION
 300 PHOENIX BLVD
 SUITE 300
 LAKE WALKER, FL 33706
 (407) 483-0333
 CERT. OF REG. NO. 6500
 ENGINEER OF RECORD: KAREN V. VAN DEN HERT, P.E.
 FL REGISTRATION NO. 44734

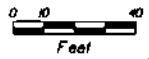
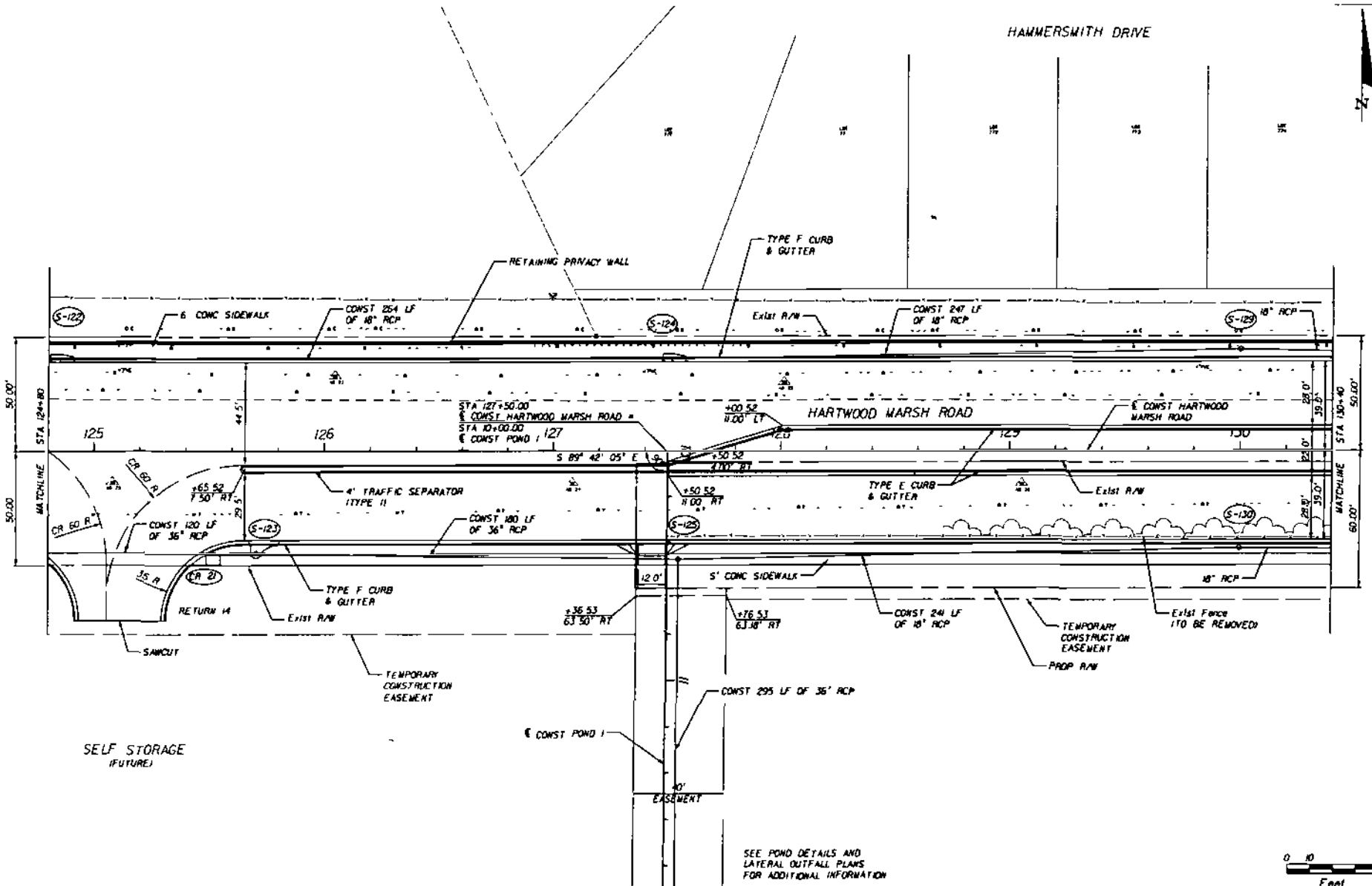


**HARTWOOD MARSH
ROAD - PHASE I**

PLAN SHEET

SHEET
NO





REVISIONS	
DATE	DESCRIPTION

HNTB
 HNTB CORPORATION
 300 PENNACIA BLVD
 SUITE 200
 LAKE WALKER, FL 33706
 (407) 800-0255
 CERT. OF REG. NO. 4900
 ENGINEER OF RECORD, FARRIS W. VAN DEN BROEK, P.E.
 FL REGISTRATION NO. 44904



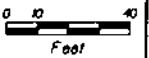
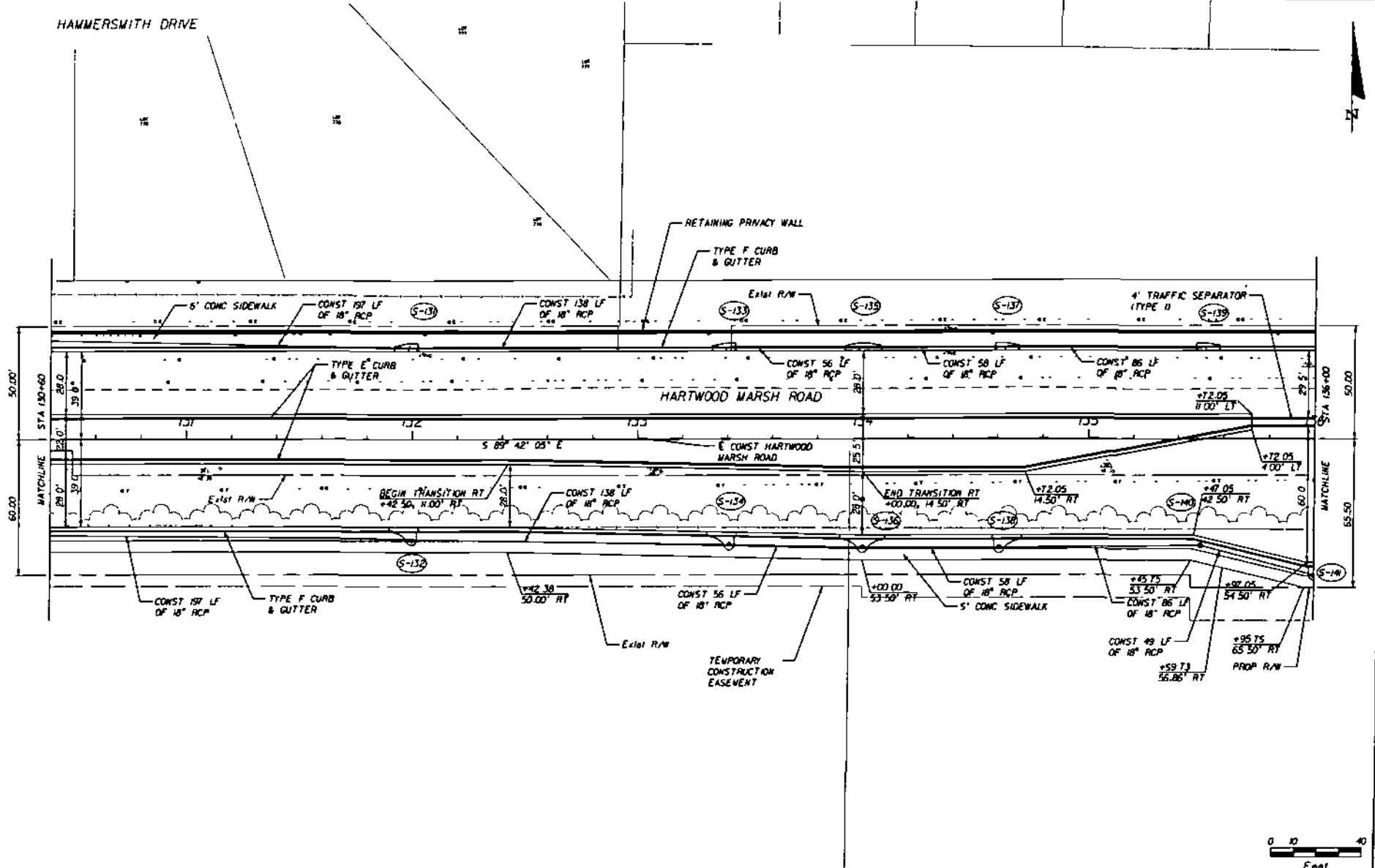
HARTWOOD MARSH ROAD - PHASE I

PLAN SHEET

SHEET NO.

Small text at the bottom of the page, likely containing project or drawing identifiers.

HAMMERSMITH DRIVE



REVISIONS	
DATE	DESCRIPTION

HNTB
 HNTB CORPORATION
 300 PRIMAVERA BLVD.
 SUITE 200
 LAKE HAVEN, FL 33706
 (407) 808-6350
 CERT. OF AUTH. NO. 6500
 ENGINEER OF RECORD: JAMES H. VAN DER BEEK, P.E.
 FL REGISTRATION NO. 40704



HARTWOOD MARSH ROAD - PHASE I

PLAN SHEET

SHEET NO

DATE: 12/14/2011 1:59:48 PM 1/14/12 0:00:00 244 WSE1 | Plan 1 | 40640000 | 10000 | 00000000

SHEET NO

PLAN SHEET

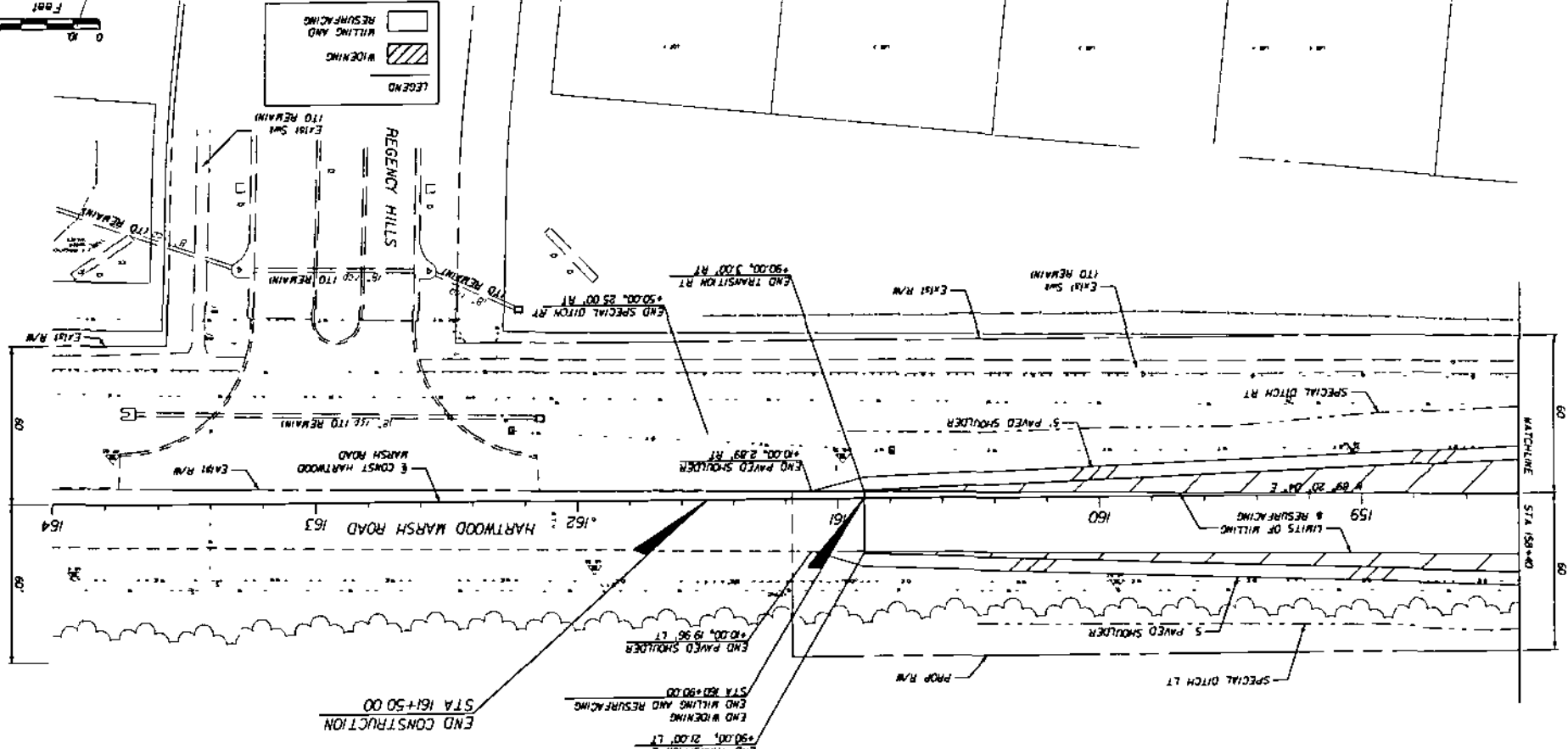
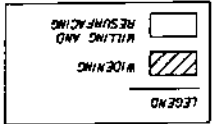
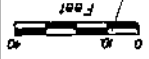
HARTWOOD MARSH ROAD - PHASE I

LAKE COUNTY

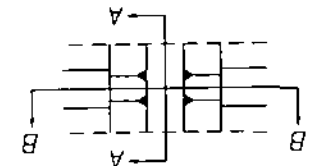
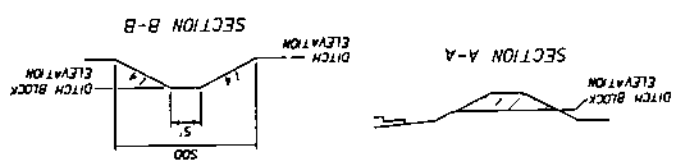


HNTB

DATE: 11/15/05
 REVISIONS:
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DITCH BLOCK DETAILS

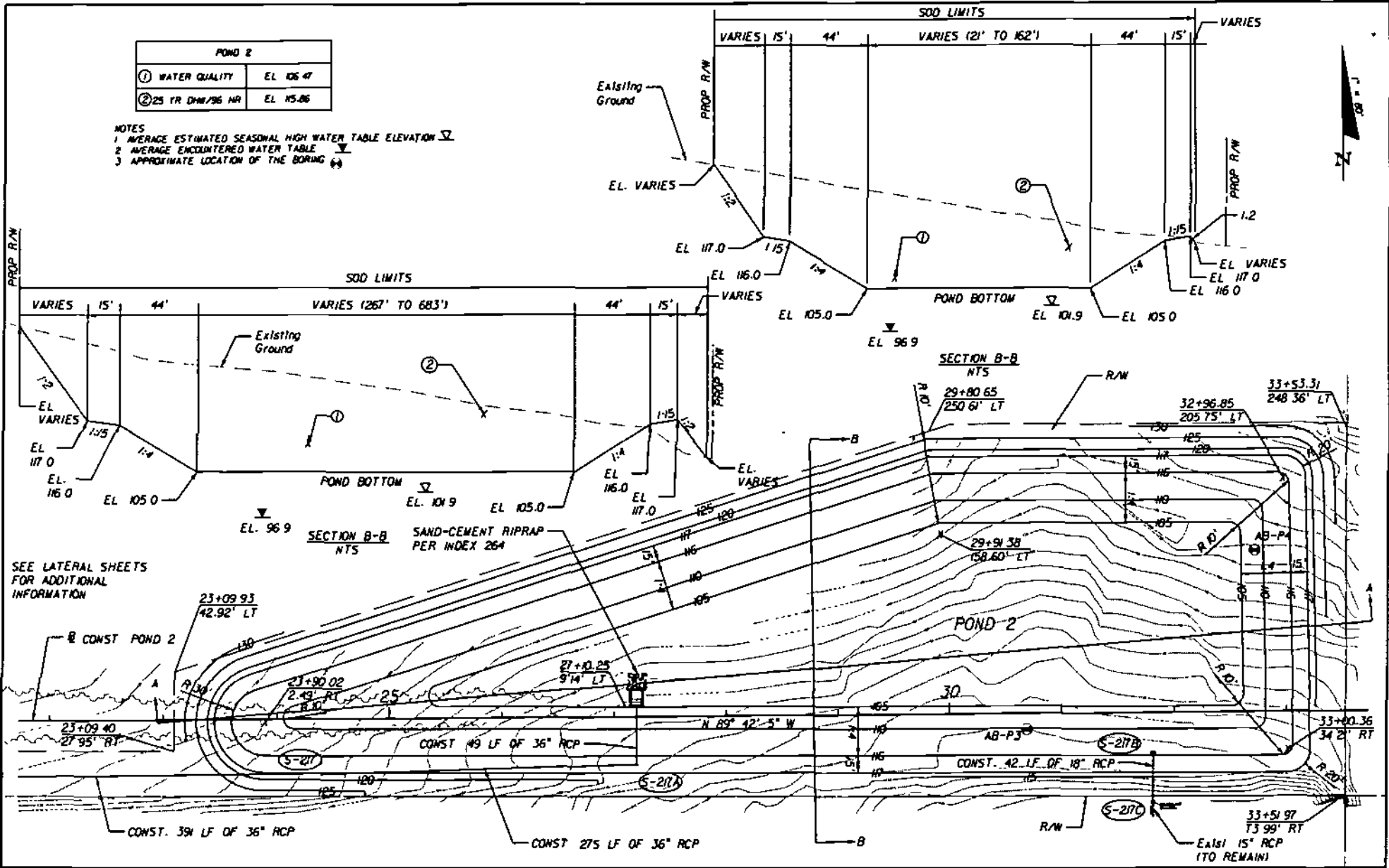


DITCH BLOCK INFORMATION		RIGHT SIDE		LEFT SIDE	
STATION	ELEVATION OF BLOCK	STATION	ELEVATION	STATION	ELEVATION OF BLOCK
156+50	149.9	156+50	149.9	156+50	149.8
157+00	148.1	157+00	148.1	157+00	149.5
157+50	146.4	157+50	146.4	157+50	147.6
158+00	144.8	158+00	144.8	158+00	145
158+50	142.5	158+50	142.5	158+50	141.6
159+00	139.6	159+00	139.6	159+00	138.9
159+50	136.6	159+50	136.6	159+50	136.3
160+00	134.1	160+00	134.1	160+00	134.3
160+50	132.4	160+50	132.4	160+50	132.2
161+00	130.5	161+00	130.5	161+00	131.2



POND 2	
① WATER QUALITY	EL 106.47
② 25 TR DIA/36 HR	EL 115.06

- NOTES
 1 AVERAGE ESTIMATED SEASONAL HIGH WATER TABLE ELEVATION ∇
 2 AVERAGE ENCOUNTERED WATER TABLE ∇
 3 APPROXIMATE LOCATION OF THE BORING \odot



DATE	BY	REVISIONS DESCRIPTION

HNTB
RECEIVED

HNTB CORPORATION
 300 PRINCEN ROAD
 SUITE 300
 LAKE HAVEN, FL 33496
 (407) 949-2717
 (407) 949-2718
 FAX (407) 949-2719
 HNTB.COM
 HNTB IS AN EQUAL OPPORTUNITY, P.E.
 FIRM WITH A COMMITMENT TO EXCELLENCE



HARTWOOD MARSH ROAD

**POND DETAIL SHEET
 POND 2**

SHEET NO

DEC 06 2007

PDS
 ALTAMONTE SVC. CENTER

114354-1