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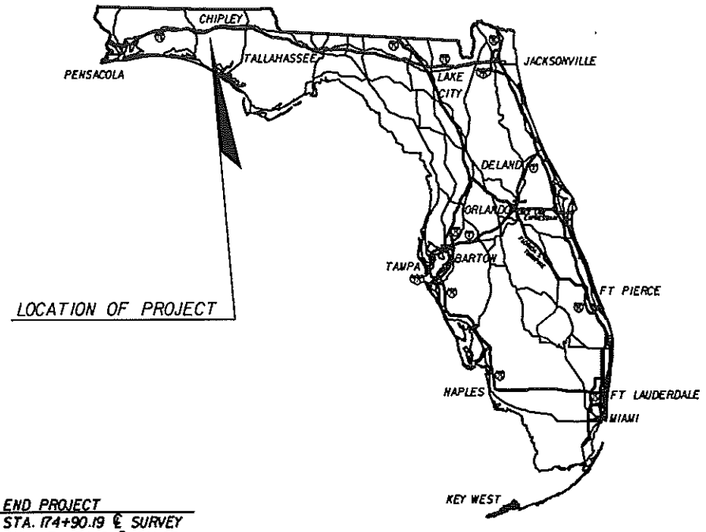
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 220773-7-52-01

WASHINGTON COUNTY (61040)

STATE ROAD NO. 79



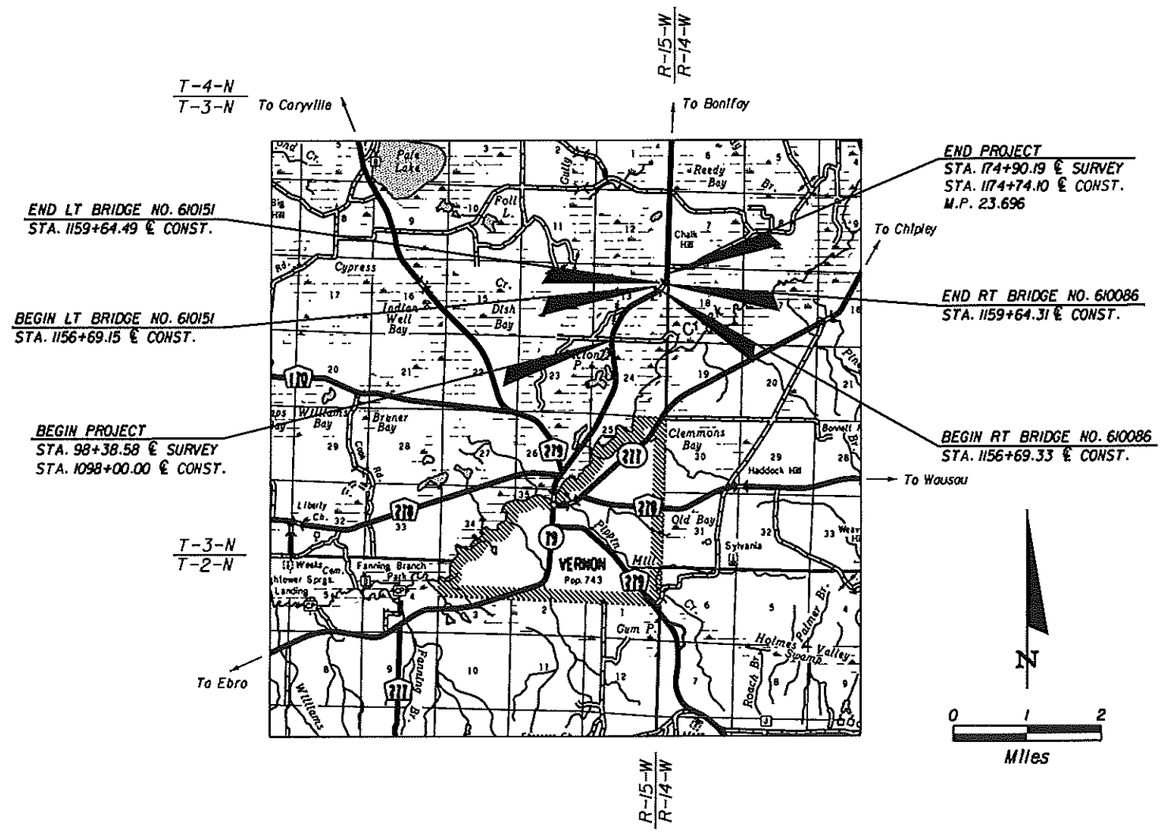
COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS
STRUCTURE PLANS

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	FLOOD DATA
3 - 6	DRAINAGE MAP
7 - 9	TYPICAL SECTION
10	TYPICAL SECTION SPECIAL DETAILS
10A	OPTIONAL MATERIALS TABULATION
11	GENERAL NOTES
12	REFERENCE POINTS
13 - 19	PLAN-PROFILE
21 - 26	SPECIAL DITCH PROFILES
27 - 48	DRAINAGE STRUCTURES
49 - 50	OUTLET CONTROL STRUCTURE SKIMMER DETAILS
51 - 59	POND DETAILS
60	POND SOIL SURVEY POND 4
61 - 67	POND BORINGS
68 - 70	REPORT OF EMBANKMENT CORE BORINGS
71 - 76	REPORT OF CORE BORINGS EMBANKMENT
77 - 84	PLAN-PROFILE OUTFALL PIPE
85 - 130	CROSS SECTIONS
131 - 132	STORMWATER POLLUTION PREVENTION PLAN
133 - 143	EROSION CONTROL PLAN
144 - 146	WETLAND DELINEATION
147	TCP - TYPICAL SECTIONS AND PHASING NOTES



STRUCTURES SHOP DRAWINGS
TO BE SUBMITTED TO:
TIMOTHY J. FARRELL, P.E.
E. C. DRIVER & ASSOCIATES
500 N. WESTSHORE BLVD., SUITE 500
TAMPA, FL 33609
(813) 282-9886

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:
DONALD S. PADGETT, P.E.
E. C. DRIVER & ASSOCIATES
1983 CENTRE POINTE BLVD., SUITE 104
TALLAHASSEE, FL 32308-7823
(850) 893-6148

PLANS PREPARED BY:

ECDriver & ASSOCIATES

1983 CENTRE POINTE BLVD., SUITE 104
TALLAHASSEE, FL 32308-7823
(850) 893-6148
CERTIFICATE OF AUTHORIZATION #3838
VENDOR NUMBER 59-2375705
CONTRACT NUMBER C-8J27

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2010,
AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2010,
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 01/01/12
For Design Standards Modifications click on "Design Standards" at the following web site:
http://www.dot.state.fl.us/rddesign/

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

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PERMITTED PLANS

PROJECT LENGTH IS BASED ON ℄ CONST. AND LT BRIDGE

LENGTH OF PROJECT	LINEAR FEET	MILES
ROADWAY	7,674.10	1.453
BRIDGES	295.34	0.056
NET LENGTH OF PROJECT	7,378.76	1.397
EXCEPTIONS	N/A	N/A
GROSS LENGTH OF PROJECT	7,378.76	1.397

FDOT PROJECT MANAGER: William Barber, P.E.

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

ROADWAY PLANS ENGINEER OF RECORD: Donald S. Padgett, P.E.

P.E. NO.: 53201

FISCAL YEAR	SHEET NO.
12	1

SR 79 FROM CR 279 TO NORTH OF CYPRESS CREEK BRIDGE

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FINANCIAL PROJECT ID 220773-7-52-01
DATE: 04/29/08

SHEET 1 OF 1

STRUCTURE NO.	STATION	DESIGN FLOOD		BASE FLOOD		OVERTOPPING FLOOD				GREATEST FLOOD			
		2% PROB.	50 YR.FREQ.	1% PROB.	100 YR.FREQ.								
		DISCHARGE	STAGE	DISCHARGE	STAGE	DISCHARGE	STAGE	PROB. %	FREQ. YR.	DISCHARGE	STAGE	PROB. %	FREQ. YR.
S-1	1022+51.54	24	41.48	28	41.67					38	42.20	0.2	500
S-2	1061+78.00	18	42.50	23	43.00					41	45.10	0.2	500
S-2A	1072+71.74	7	43.75	8	43.80					11	44.05	0.2	500
S-3	1095+15.00	6	39.87	8	39.97					14	40.40	0.2	500
S-4	1102+72.00	7	40.90	8	40.92					11	41.02	0.2	500

NOTE: THE HYDRAULIC DATA IS SHOWN FOR INFORMATIONAL PURPOSES ONLY, TO INDICATE THE FLOOD DISCHARGES AND WATER SURFACE ELEVATIONS WHICH MAY BE ANTICIPATED IN ANY GIVEN YEAR. THIS DATA WAS GENERATED USING HIGHLY VARIABLE FACTORS DETERMINED BY A STUDY OF THE WATERSHED. MANY JUDGEMENTS AND ASSUMPTIONS ARE REQUIRED TO ESTABLISH THESE FACTORS. THE RESULTANT HYDRAULIC DATA IS SENSITIVE TO CHANGES, PARTICULARLY OF ANTECEDENT CONDITIONS, URBANIZATION, CHANNELIZATION, AND LAND USE. USERS OF THIS DATA ARE CAUTIONED AGAINST THE ASSUMPTION OF PRECISION WHICH CAN NOT BE ATTAINED. DISCHARGES ARE IN CUBIC FEET PER SECOND AND STAGES ARE IN FEET, NAVD, 1988.

DEFINITIONS:

DESIGN FLOOD: THE FLOOD SELECTED BY F.D.O.T. TO BE UTILIZED TO ASSURE A STANDARD LEVEL OF HYDRAULIC PERFORMANCE.

BASE FLOOD: THE FLOOD HAVING A 1% CHANCE OF BEING EXCEEDED IN ANY YEAR. (100 YR. FREQUENCY)

OVERTOPPING FLOOD: THE FLOOD WHERE FLOW OCCURS (A) OVER THE HIGHWAY (B) OVER A WATERSHED DIVIDE OR (C) THRU EMERGENCY RELIEF STRUCTURES.

GREATEST FLOOD: THE MOST SEVERE FLOOD WHICH CAN BE PREDICTED WHERE OVERTOPPING IS NOT PRACTICABLE, NORMALLY ONE WITH A 0.2% CHANCE OF BEING EXCEEDED IN ANY YEAR. (500 YR. FREQUENCY)

PREPARED BY: JJJ

DATE: 04/29/08

PERMITTED PLANS

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ECDriver & Associates
1983 CENTRE POINTE BLVD. SUITE 104 TALLAHASSEE, FL 32308-7823 CERT. OF AUTH. #3838
ENGINEER OF RECORD: Clark L. Stephens, P.E. P.E. NO. 54867

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

FLOOD DATA

SHEET NO. 2

E.C. DRIVER 4/20/2012 11:24:01 AM L:\22077375201\permits\11x17Drawings\DRFLRD01.dgn

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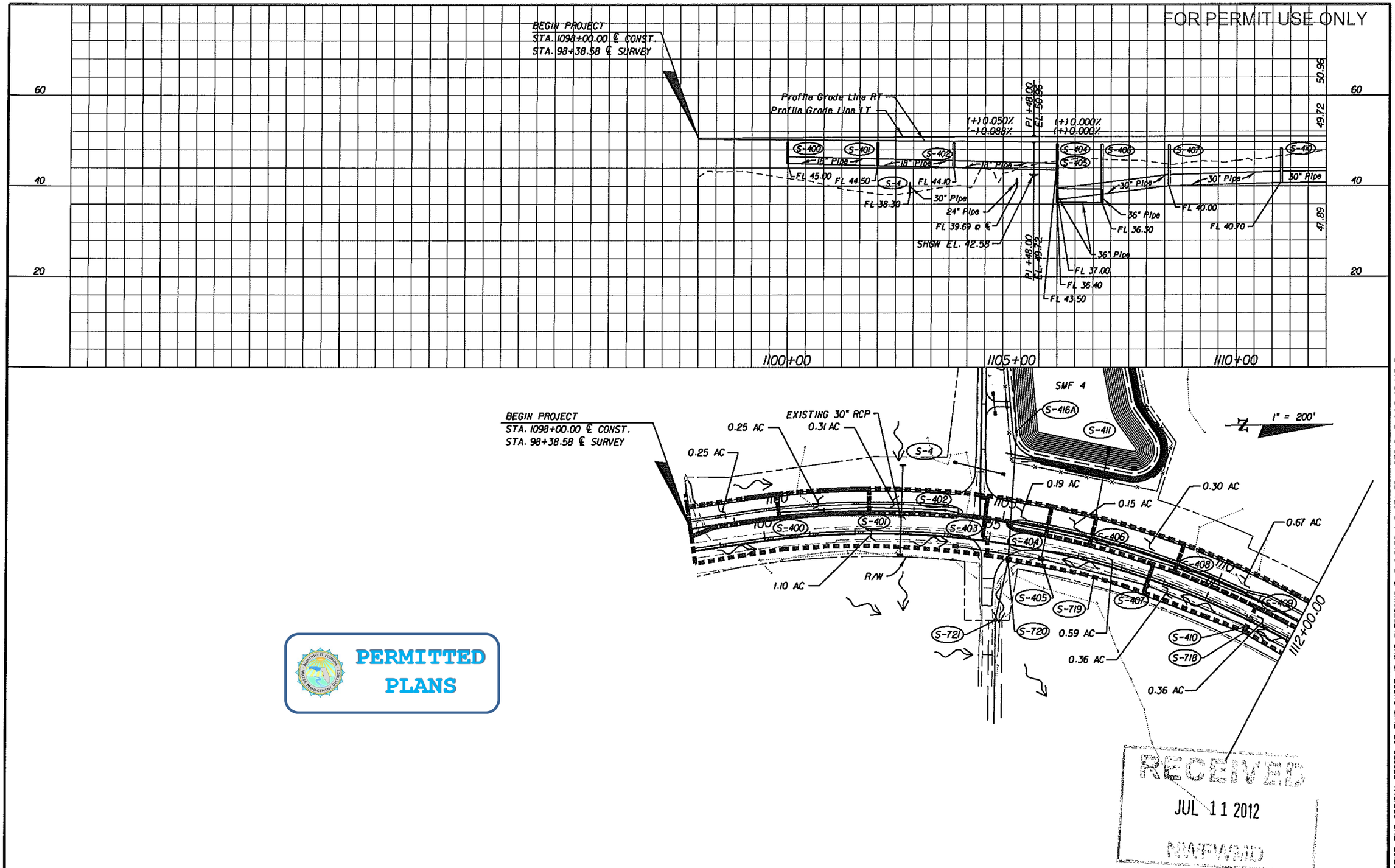

PERMITTED PLANS

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ECDriver & Associates
1983 CENTRE POINTE BLVD.
SUITE 104
TALLAHASSEE, FL 32308-7823
CERT. OF AUTH. #3838

ENGINEER OF RECORD: Clark L. Stephens, P.E.
P.E. NO. 54867

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

DRAINAGE MAP

SHEET NO. 3

E.C. DRIVER 4/20/2012 11:24:07 AM L:\220773752001\permits\11x17Drawings\DRMPRD04.dgn

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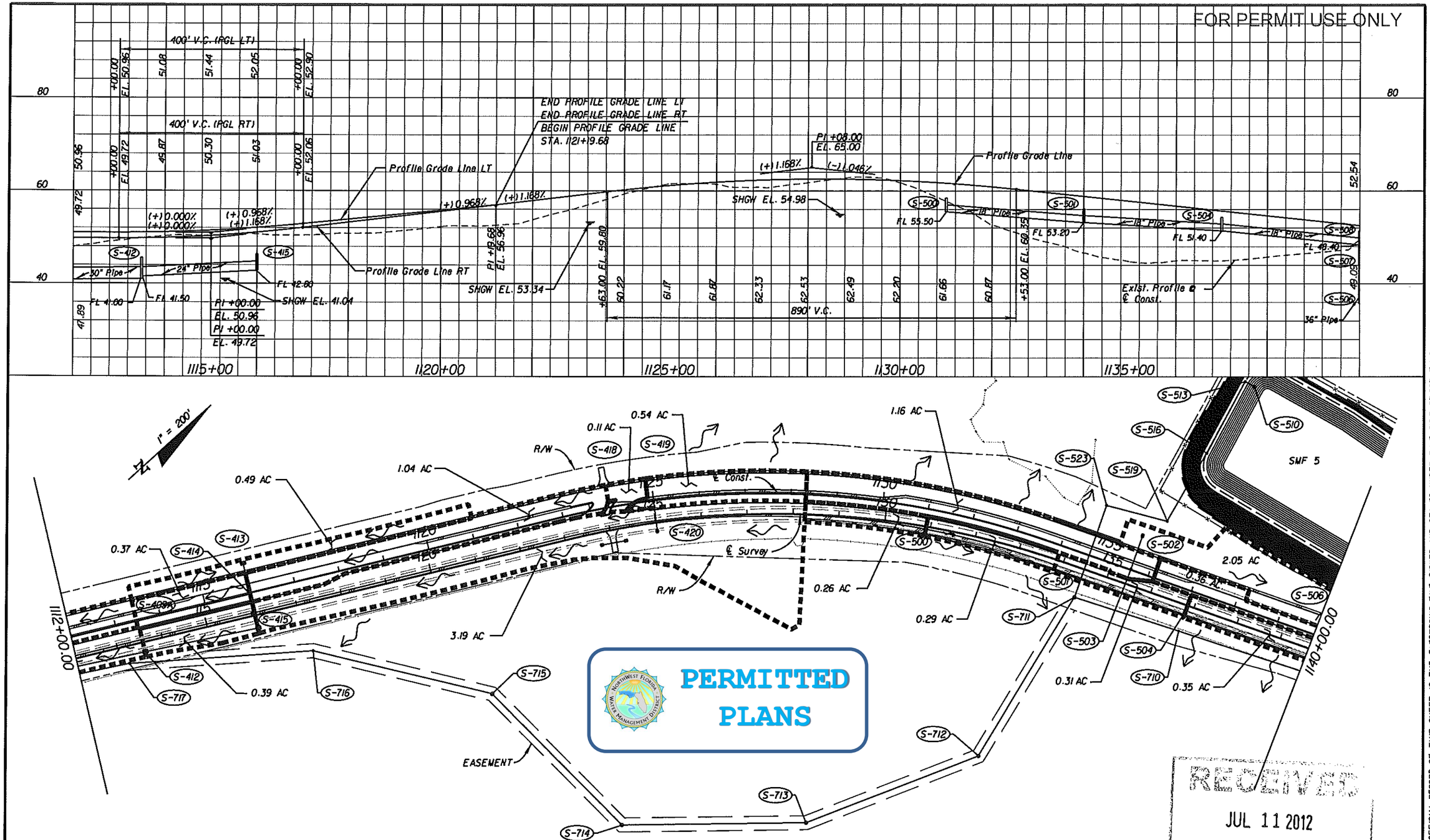

DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES.
This sheet is in the plans for documentation and to assist construction personnel with drainage concerns.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ECDriver & Associates — 1983 CENTRE POINTE BLVD. SUITE 104 TALLAHASSEE, FL 32308-7823 CERT. OF AUTH. #3838

ENGINEER OF RECORD: Clark L. Stephens, P.E. P.E. NO. 54867

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

DRAINAGE MAP

SHEET NO. 4

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E.C. DRIVER 4/20/2012 11:24:13 AM L:\220773752011\permits\Hwy79Drawings\DRWPRD05.dgn

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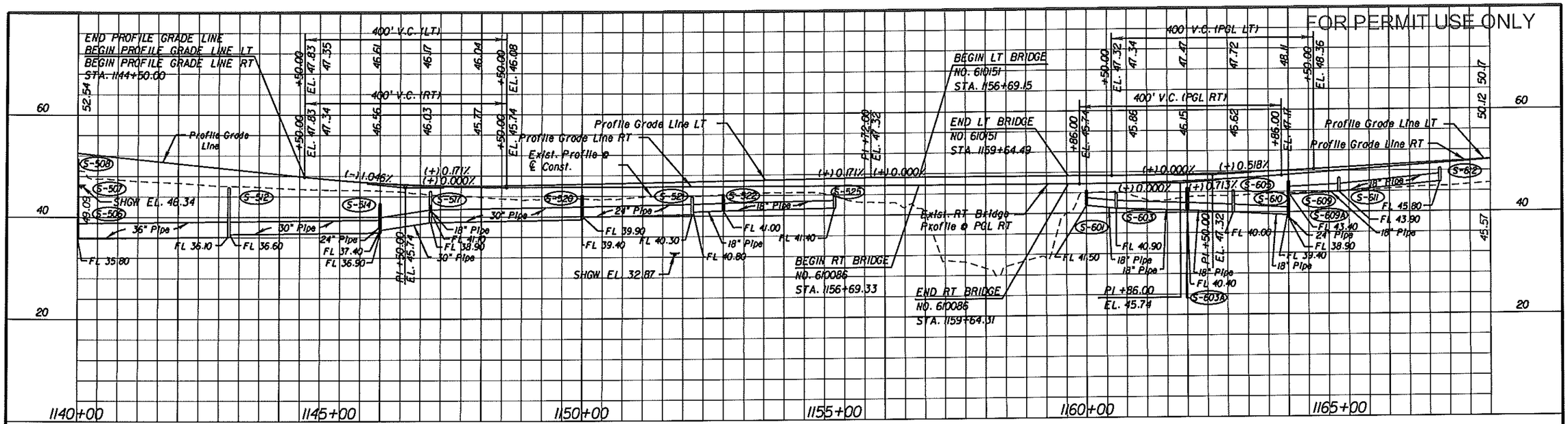

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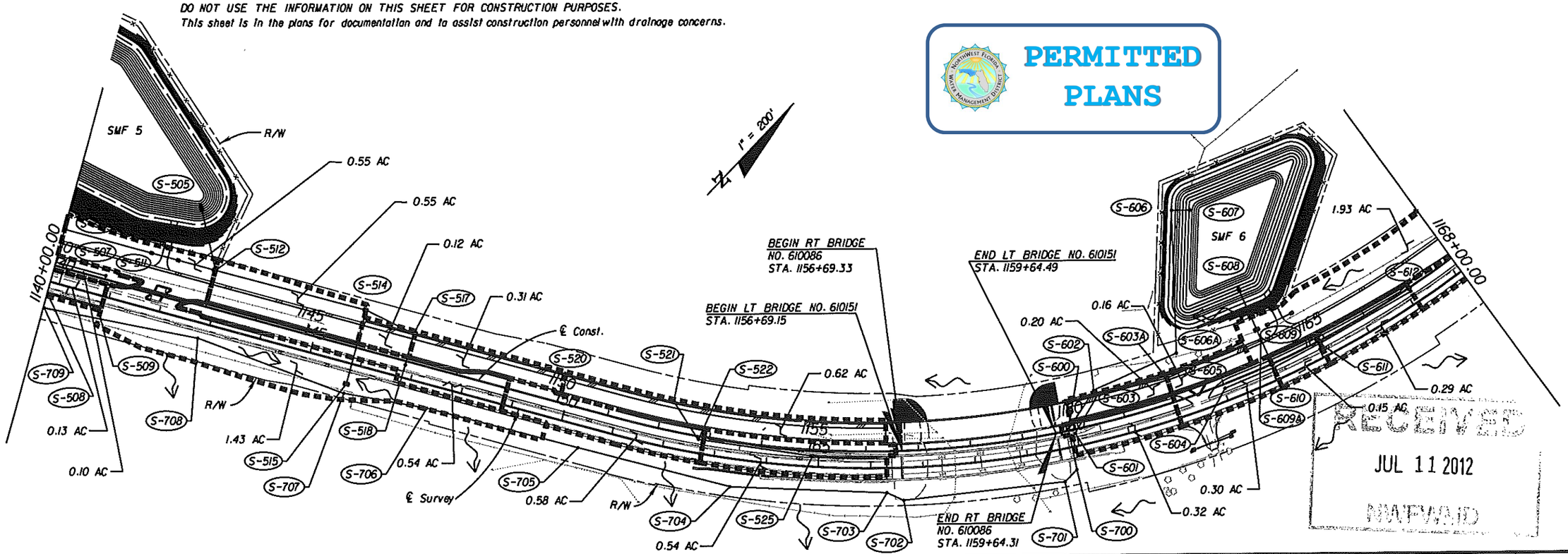
PERMITTED PLANS



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ECDriver & ASSOCIATES
1983 CENTRE POINTE BLVD.
SUITE 104
TALLAHASSEE, FL 32308-7823
CERT. OF AUTH. #3838

ENGINEER OF RECORD: Clark L. Stephens, P.E.
P.E. NO. 54867

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

DRAINAGE MAP

SHEET NO. 5

E.C. DRIVER 4/20/2012 11:24:20 AM L:\220773752001\permits\1x17Drawings\DRMPRD06.dgn

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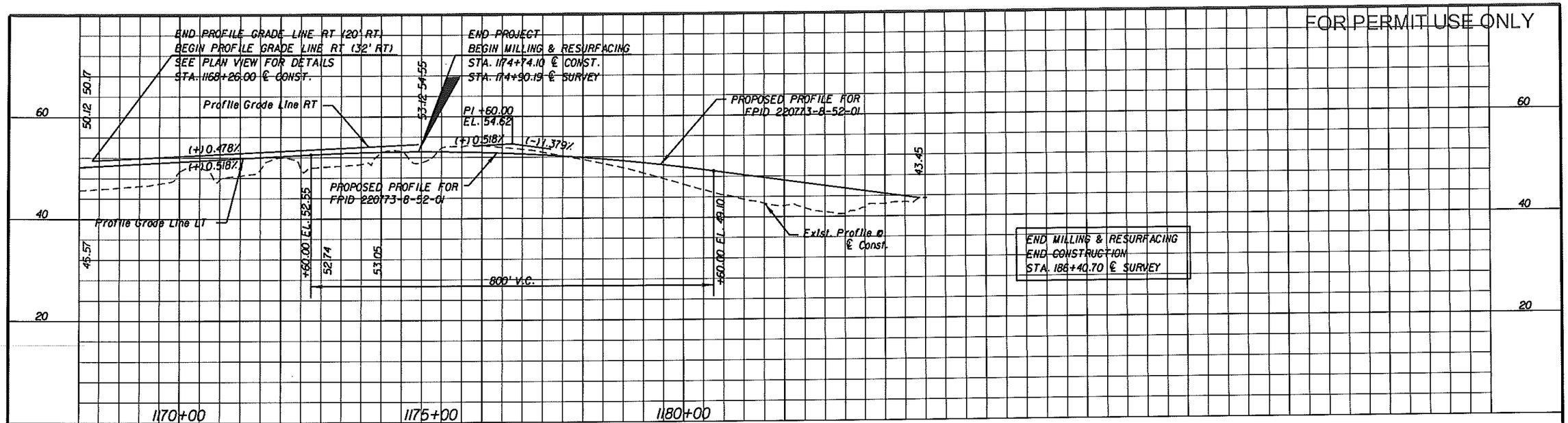

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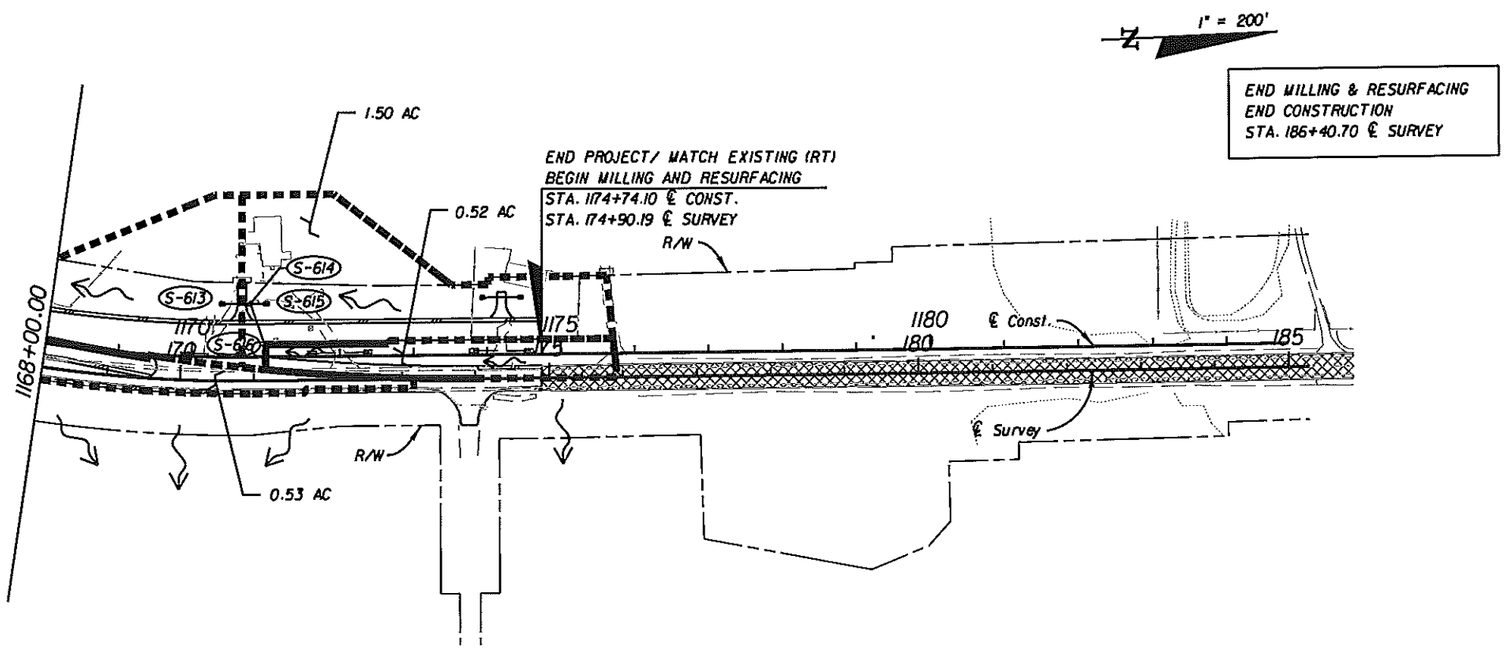
This sheet is in the plans for documentation and to assist construction personnel with drainage concerns.



PERMITTED PLANS

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ENGINEER OF RECORD: Clark L. Stephens, P.E.
P.E. NO. 54867

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

DRAINAGE MAP

SHEET NO. 6

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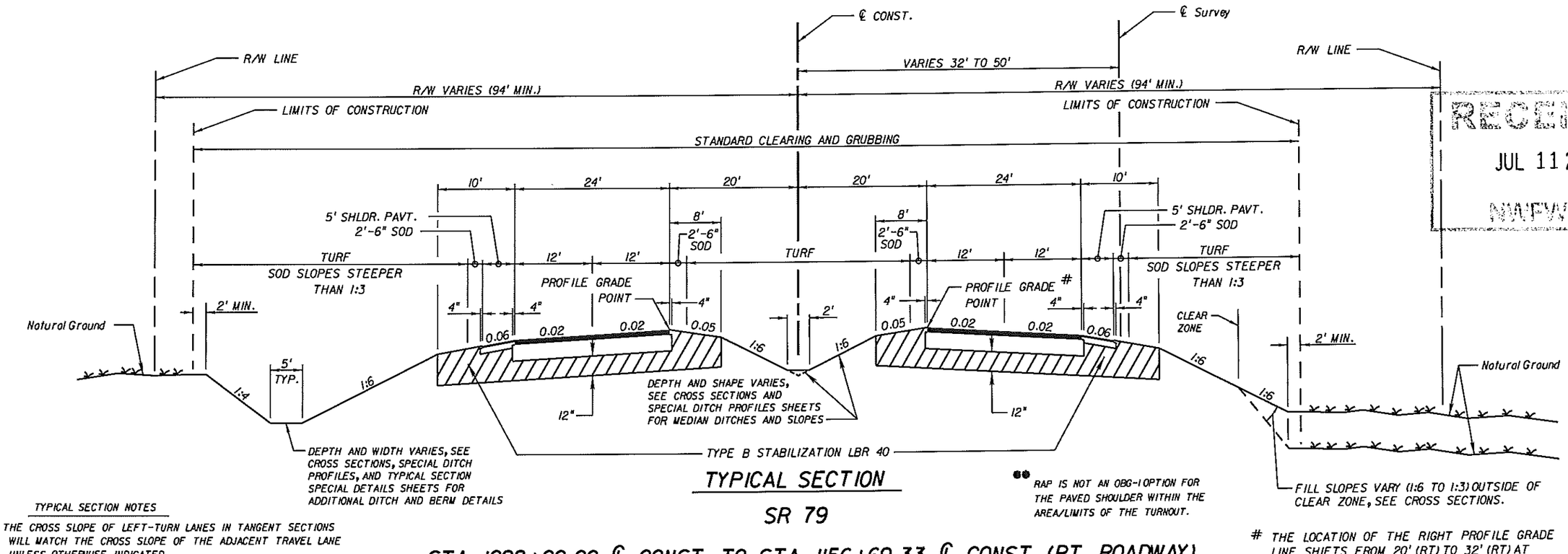


TYPICAL SECTION

SR 79

STA. 1098+00.00 ℄ CONST. TO STA. 1156+69.33 ℄ CONST. (RT. ROADWAY)
STA. 1159+64.31 ℄ CONST. TO STA. 1174+74.10 ℄ CONST. (RT. ROADWAY)

STA. 1098+00.00 ℄ CONST. TO STA. 1156+69.15 ℄ CONST. (LT. ROADWAY)
STA. 1159+64.49 ℄ CONST. TO STA. 1174+74.10 ℄ CONST. (LT. ROADWAY)

●● RAP IS NOT AN OBG-1 OPTION FOR THE PAVED SHOULDER WITHIN THE AREA/LIMITS OF THE TURNOUT.

THE LOCATION OF THE RIGHT PROFILE GRADE LINE SHIFTS FROM 20' (RT) TO 32' (RT) AT STA. 1168+26.00 AND REMAINS AT 32' (RT) TO STA. 1174+74.10. SEE PLAN-PROFILE SHEETS FOR DETAILS.

TYPICAL SECTION NOTES

1. THE CROSS SLOPE OF LEFT-TURN LANES IN TANGENT SECTIONS WILL MATCH THE CROSS SLOPE OF THE ADJACENT TRAVEL LANE UNLESS OTHERWISE INDICATED.
2. THE CROSS SLOPE OF THE NORTH BOUND AND SOUTH BOUND LEFT-TURN LANES IN CURVE CLCONST-3 WILL BE 0.04 LESS THAN THE CROSS SLOPE OF THE ADJOINING TRAVEL LANE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING OR REPAIRING ANY TURF OUTSIDE THE LIMITS OF CONSTRUCTION DAMAGED DURING CONSTRUCTION.
4. THE FRICTION COURSE SHALL BE BUTT JOINTED INTO EXISTING PAVEMENT.
5. EXCESS BASE SHALL NOT BE SPOILED ON THE OUTSIDE LIMITS OF PLAN AREAS FOR BASE CONSTRUCTION. THE EXCESS BASE SHALL BE REMOVED FROM THE PROJECT AT NO ADDITIONAL COMPENSATION.

TRAFFIC DATA

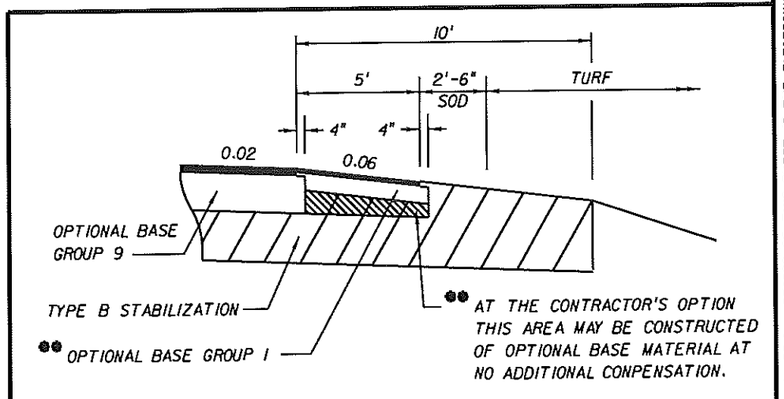
CURRENT YEAR 2006 = AADT = 4,800
ESTIMATED OPENING YEAR 2012 = AADT = 9,100
ESTIMATED DESIGN YEAR 2032 = AADT = 20,120
K = 13.3% D = 58.2% T = 8.3% (24 HOUR)
DESIGN HOUR T = 4.2%
DESIGN SPEED = 70 MPH
CLEAR ZONE = 36 FT (FROM OUTSIDE EDGE OF TRAVEL LANE)

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C)(3 1/2 ")(PG 76-22)
AND FRICTION COURSE FC-5 (3/4 ")(PG 76-22)

●● SHOULDER PAVEMENT

OPTIONAL BASE GROUP 1 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C)(1 1/2 ")(PG 76-22)
AND FRICTION COURSE FC-5 (3/4 ")(PG 76-22)



SHOULDER PAVEMENT DETAIL

PERMITTED PLANS

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REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ECDriver & Associates, 1983 CENTRE POINTE BLVD. SUITE 104 TALLAHASSEE, FL 32308-7823 CERT. OF AUTH. #3838

ENGINEER OF RECORD: Donald S. Podgell, P.E. P.E. NO. 53201

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

TYPICAL SECTION

SHEET NO. 7

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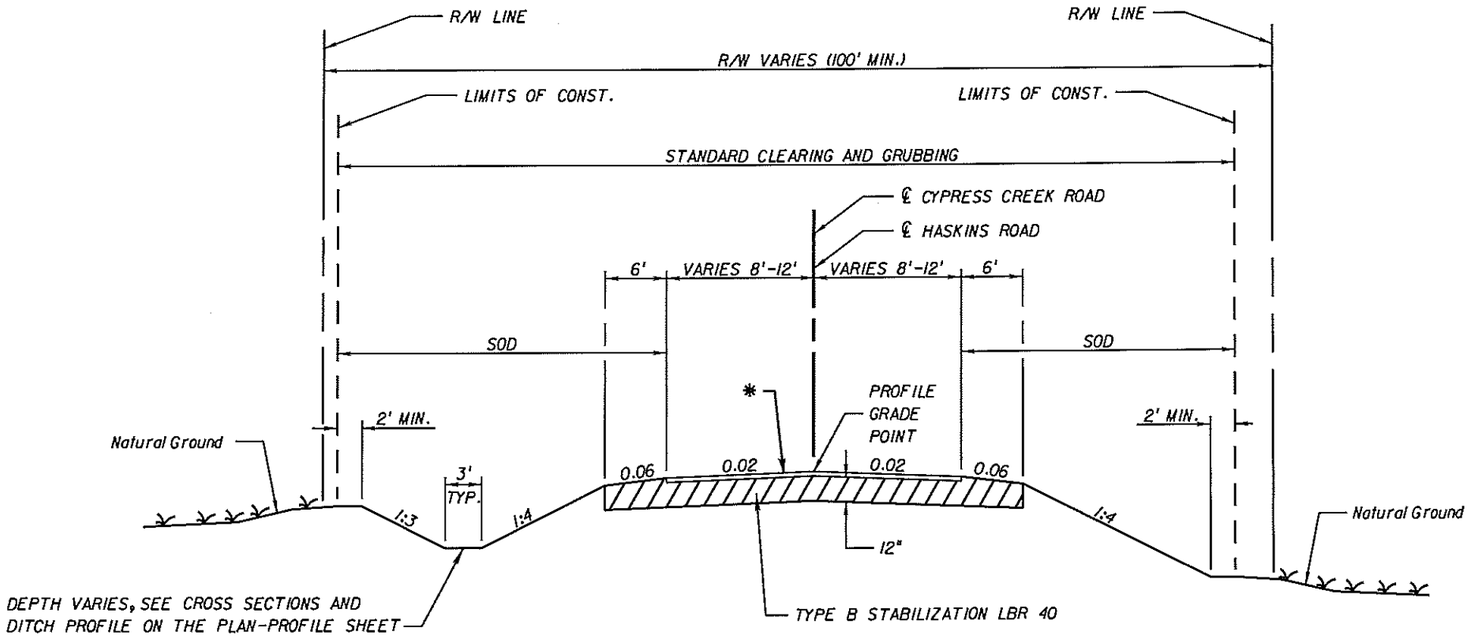

DESIGN SPEED = 30 MPH

CLEAR ZONE = 6 FT (FROM OUTSIDE EDGE OF TRAVEL LANE)

GRADING TYPICAL SECTION

HASKINS ROAD

STA. 200+05.00 TO STA. 202+50.05

CYPRESS SPRINGS ROAD

STA. 301+32.81 TO STA. 301+92.91

* - Cypress Springs Road Only:
Surface with Optional Base Group I, (Graded Aggregate Base only)

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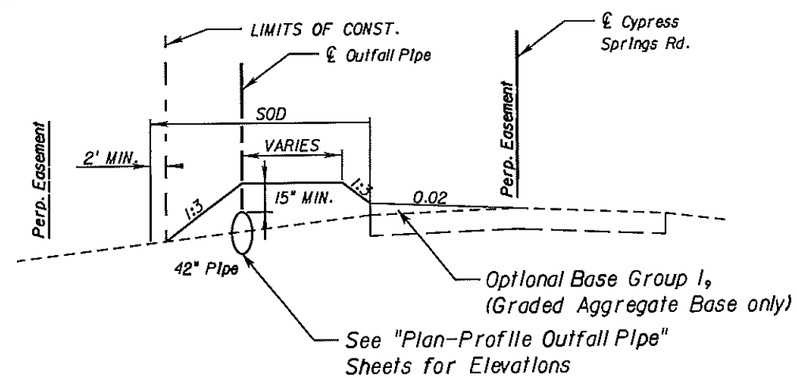

GRADING TYPICAL SECTION

CYPRESS SPRINGS ROAD

STA. 58+65.07 TO STA. 63+97.32

PERMITTED PLANS

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ENGINEER OF RECORD: Donald S. Podgell, P.E. P.E. NO. 53201

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

TYPICAL SECTION

SHEET NO. 8

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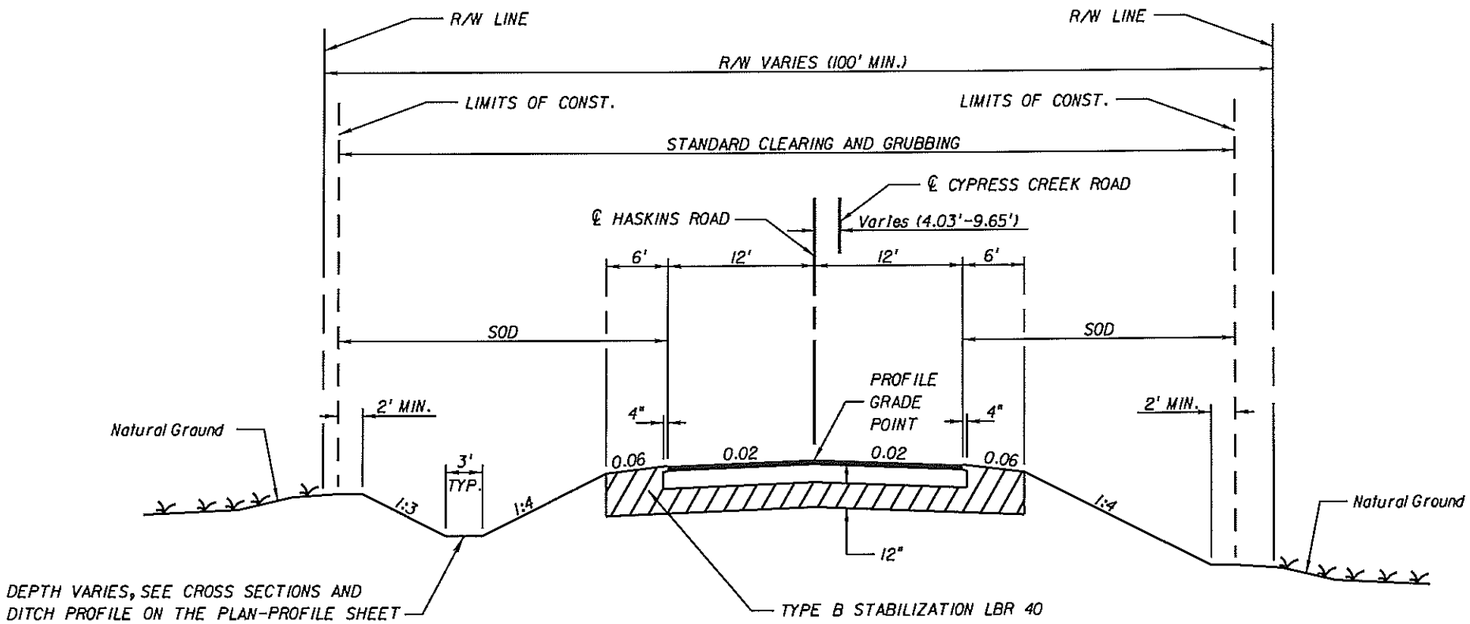

DESIGN SPEED = 30 MPH

CLEAR ZONE = 6 FT (FROM OUTSIDE EDGE OF TRAVEL LANE)

TYPICAL SECTION

HASKINS ROAD

STA. 202+50.05 TO STA. 203+05.75

CYPRESS SPRINGS ROAD

STA. 300+44.37 TO STA. 301+32.81

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C)(3 1/2 ")(PG 76-22)
AND FRICTION COURSE FC-5 (3/4 ")(PG 76-22)

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ENGINEER OF RECORD: Donald S. Padgett, P.E.
P.E. NO. 53201

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

TYPICAL SECTION

SHEET NO. 9

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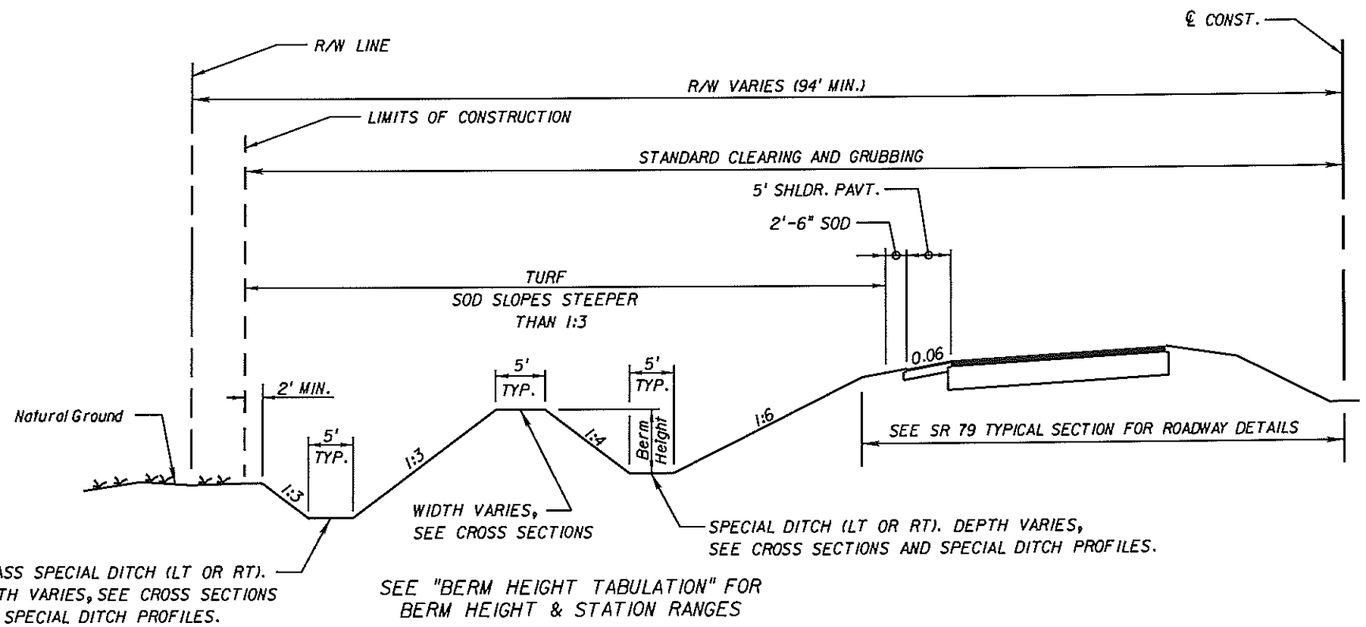

SPECIAL DITCH DETAIL

BERM HEIGHT TABULATION			
Begin Station	End Station	Side	Berm Height (Feet)
1113+46.78	1116+00.00	LT	1.0
1116+00.00	1122+02.62	LT	1.0
1136+77.45	1140+00.00	LT	2.5
1140+00.00	1143+00.00	LT	2.0
1098+10.00	1104+00.00	RT	1.5
1105+50.00	1114+50.00	RT	1.5
1116+00.00	1128+20.00	RT	1.5
1141+00.00	1143+75.00	RT	2.5
1146+25.00	1149+90.37	RT	1.5

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SUITE 104
TALLAHASSEE, FL 32308-7823
CERT. OF AUTH. #3838
ENGINEER OF RECORD: Donald S. Podgett, P.E.
P.E. NO. 53201

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

TYPICAL SECTION SPECIAL DETAILS

SHEET NO. 10

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GENERAL NOTES

1. Bench mark datum for this project is based on NAVD 1988. Bench marks shall be protected during construction operations.

2. Buildings to be removed by others, unless otherwise noted.

3. Existing drainage structures within construction limits shall be removed unless otherwise noted.

4. Any public land corner or any monument that perpetuates the FDOT R/W within the project limits is to be protected by the contractor. If a monument is in danger of being destroyed the contractor is to ensure that it is properly referenced and reset prior to project completion. The monuments set shall meet Minimum Technical Standards as defined in 61G17, F.A.C. and current FDOT Surveying Standards.

5. Existing driveways within the limits of this project are to be replaced with the same material, at the same location and width unless otherwise shown in the plans.

6. The location of utilities shown in the plans are based on limited investigation techniques and should be considered approximate only. The verified locations/elevations apply only at the points shown. Interpolations between these points have not been verified. The contractor shall take precautions to ensure the safety of utilities before starting installation of mailboxes, drainage structures and sign post (both temporary and permanent). For utility symbols, see Design Standards Index Number 002.

7. Existing utilities are to remain in place unless otherwise noted. Utilities shall only be adjusted, as necessary, as directed by the project administrator.

8. The District Area Utility Coordinator is Don Boutwell (850) 415-9421.

9. The contractor shall notify utility owners through Sunshine State one call of Florida, Inc. (1-800-432-4770) at least two full business days in advance of beginning construction on the job site.

UTILITY OWNERS:

COMPANY	CONTACT	PHONE
Florida Gas Transmission	Robert Maldonado	850) 350-5260
CenturyLink Inc.	Bill Bellamy	(850) 664-3763
Mediacom Inc.	Joey Pridgen	(850) 271-9886
Gulf Power Co.	Ronnie Adams	(850) 872-3229
West Florida Electric Cooperative	Keith Varnum	(850) 263-3231
BellSouth Corp.	Josh Randall	(850) 913-3705

10. Prior to construction, it shall be the contractor's responsibility to prepare, for approval by the project administrator, a detailed and comprehensive erosion and sedimentation control plan for all phases of construction in accordance with FDOT Standard Index 102.

11. A DEP generic permit for large and small construction activities (NPDES) will be required and shall be obtained and furnished by the Contractor.

12. The contractor shall not bring any hazardous materials onto the project. Should the contractor require such materials for performing the contracted work, the contractor shall request, in writing, written permission from the construction project administrator. The contractor shall provide a copy to the District Contamination Impacts Coordinator (DCIC). The contractor shall provide the DCIC with a copy of the Material Safety Data Sheet (MSDS) for each hazardous material proposed for use. The construction project administrator shall coordinate with the DCIC prior to issuing written approval to the contractor. Since State law does not treat petroleum products that are properly containerized and intended for equipment use as a hazardous material, such products do not need a MSDS submittal.

Any known or suspected hazardous material found on the project by the Contractor notify the DCIC and comply with Section 8-4.9 of the Standard Specifications.

13. All projects requiring well pointing or other pumping of ground water or surface water will need to be coordinated with the District Contamination Impacts Coordinator (DCIC) in order to assure all aspects of the DEP generic permit are fulfilled. The DCIC can be reached in the District office or by calling (850) 415-9511 (Alan Hagans). An additional permit may be needed dependent upon the contractor's approach to certain aspects of the project.

14. All FDOT approved roadway signs located within the right-of-way shall be maintained during construction as directed by the project administrator. Existing street and road name signs on the project are to be temporarily relocated during construction and kept visible at all times for the facilitation of access by emergency vehicle traffic.

15. The contractor will be required to coordinate construction efforts with others that have been issued FDOT permits within the limits of the project. In addition, the contractor will be responsible for the coordination of all construction schedules. All costs incurred by the contractor for the coordination efforts will be incidental to existing pay items.

16. Construction debris generated by the contractor during construction of this project is to be removed by the contractor and disposed of in an approved disposal site furnished by the contractor.

17. If a monitoring well is encountered within or adjacent to the project corridor, and is not shown in the plans, the contractor shall immediately notify the project administrator and the District Contamination Impacts Coordinator (DCIC) at (850) 415-9511.

18. The contractor will restrict personnel, the use of equipment and the storage of materials to areas within the limits of the construction as described on the plans. Any off-site storage areas will require prior review by the FDOT DEMO staff. The contractor will submit a request for use of off-site areas to Mrs. Blair Martin, FDOT, PO Box 607, Chipley, FL 32428-0607.

19. All lanes must be reopened to normal traffic within 12 hours after receiving notification of a hurricane evacuation or any other catastrophic event and shall remain open for the duration of the evacuation or event as directed by the project administrator.

20. All station/ offset locations shown throughout the plans are referenced to the centerline of construction, unless shown otherwise. Stations shown for benchmarks on the plans are referenced to the centerline of survey.

21. The contractor shall remove memorial markers that are in conflict with construction and shall deliver them to the local maintenance engineer with a note describing the location (Sta./Offset) where the marker was removed from. These markers will be replaced by maintenance after completion of the construction contract.

22. The contractor shall deliver and stockpile all existing guardrail panels and signage that are to be removed as well as any milled asphalt not used by the contractor, up to 5,000 CY, at the Carryville storage facility. The contractor shall keep the milled material neat and consolidated. Contact the Area Maintenance Engineer at the FDOT Marianna Maintenance Office at (850) 482-9546 to coordinate.

23. All existing pavement beneath the proposed construction shall be removed.

24. Sod Type will be the contractor's option, however, if the contractor chooses to use bahia then the Argentine Bahia variety shall be used.

25. Construct concrete shoulder gutter 2" thicker than indicated in standard Index 300 between Sta. 1128+32.62 ℄ Const RT. and Sta. 1141+05.00 ℄ Const RT. and between Sta. 1146+05.00 ℄ Const LT. and Sta. 1156+38.23 ℄ Const LT.

26. The contractor shall apply a 6" finish soil layer to all areas that receive turf or sod.

27. Demolition and removal of the existing structure(s) shall be accomplished avoiding impacts to wetlands. This will require the Contractor to adhere to all requirements in the Environmental Permits and avoid placing any construction debris within the wetland areas. The Contractor will be responsible to retain debris prior to the debris falling into the wetland area. Any debris in the wetland area will be immediately removed.

PERMITTED PLANS

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ECDriver & Associates
1983 CENTRE POINTE BLVD. SUITE 104 TALLAHASSEE, FL 32308-7823 CERT. OF AUTH. #3838

ENGINEER OF RECORD: Donald S. Padgett, P.E. P.E. NO. 53201

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

GENERAL NOTES

SHEET NO. 11

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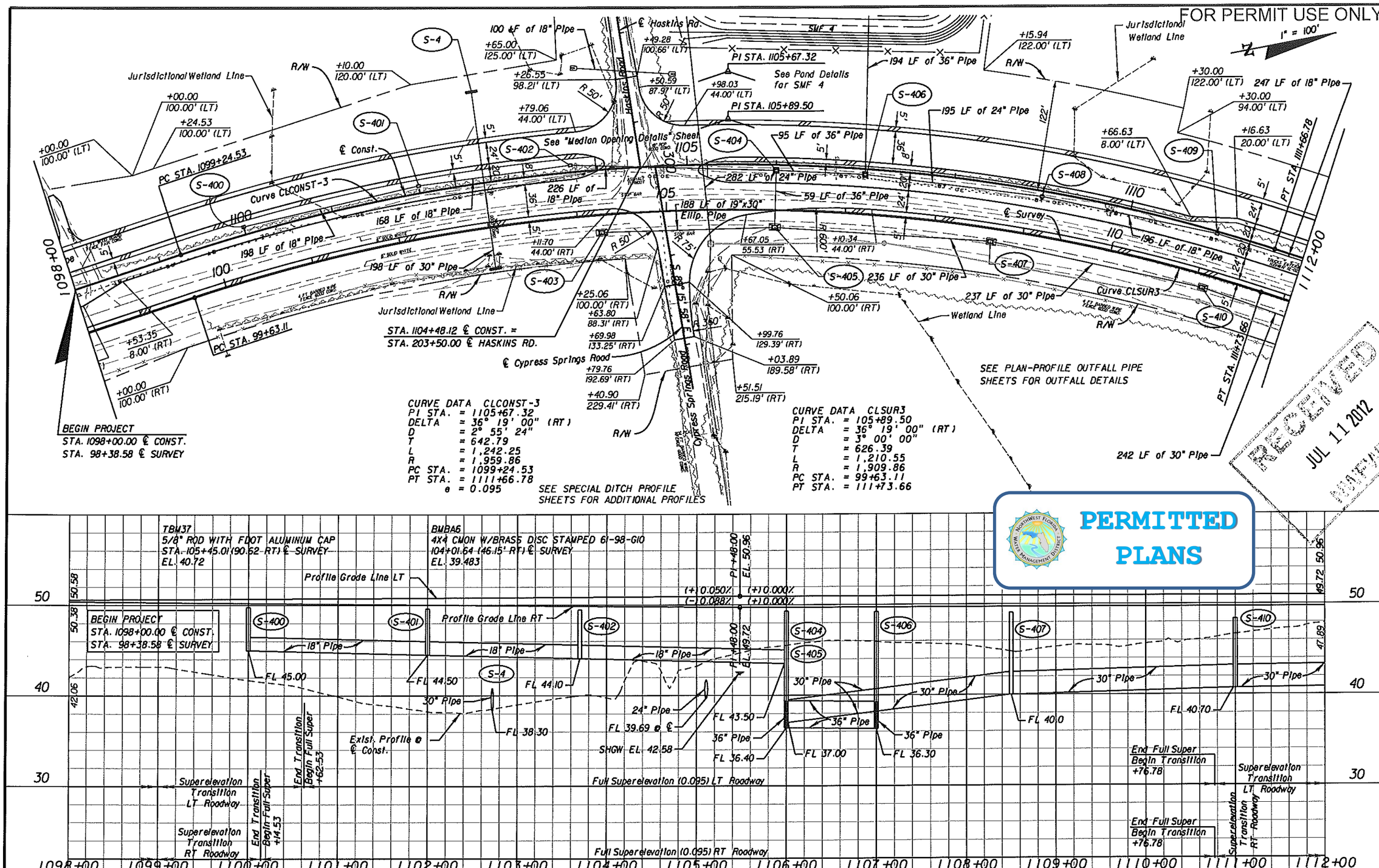

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ENGINEER OF RECORD: Donald S. Podgett, P.E.
P.E. NO. 53201

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

PLAN-PROFILE

SHEET NO. 13

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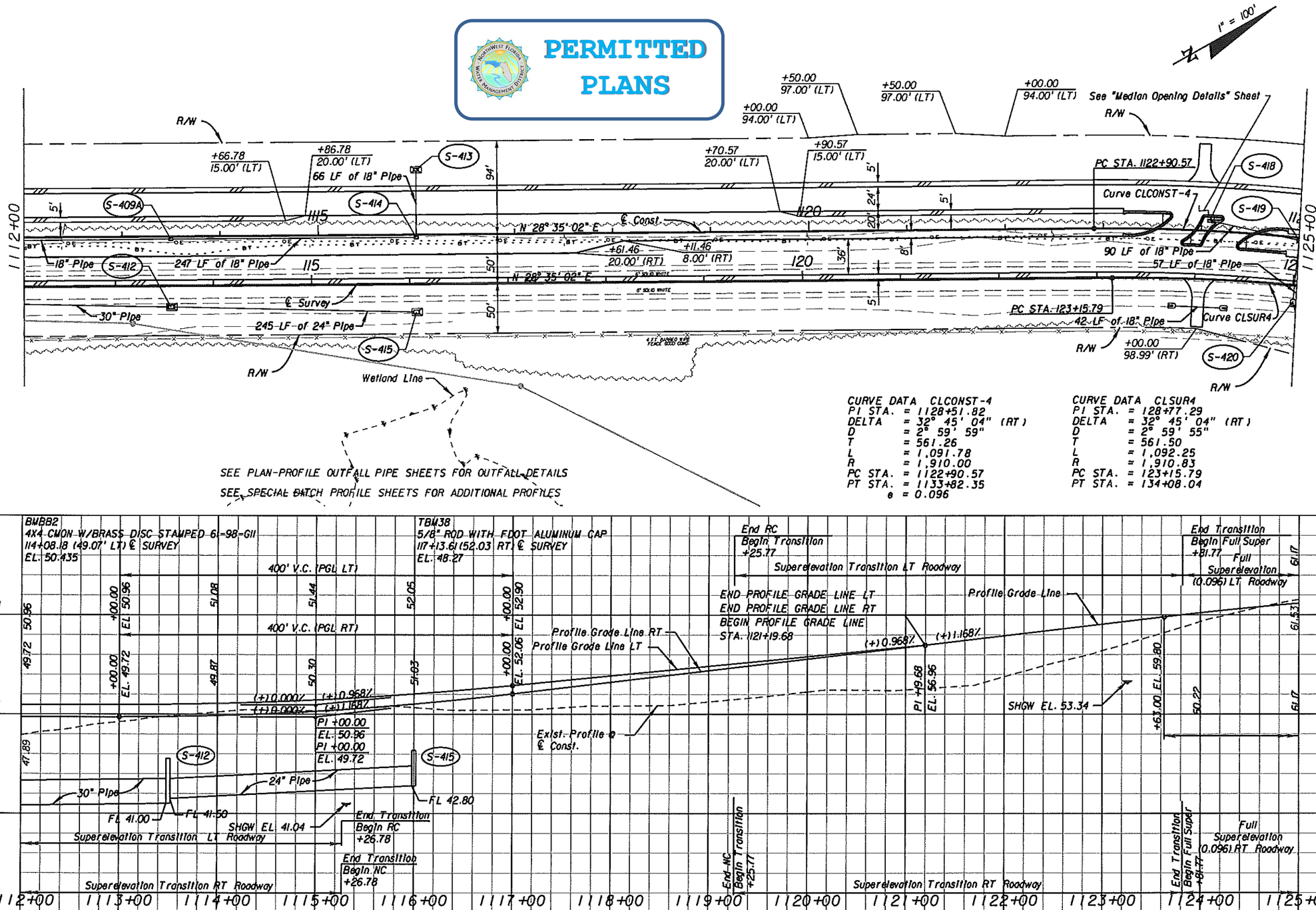

SEE PLAN-PROFILE OUTFALL PIPE SHEETS FOR OUTFALL DETAILS

SEE SPECIAL DITCH PROFILE SHEETS FOR ADDITIONAL PROFILES

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D = 2° 59' 59"
T = 561.26
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R = 1,910.00
PC STA. = 1122+90.57
PT STA. = 1133+82.35
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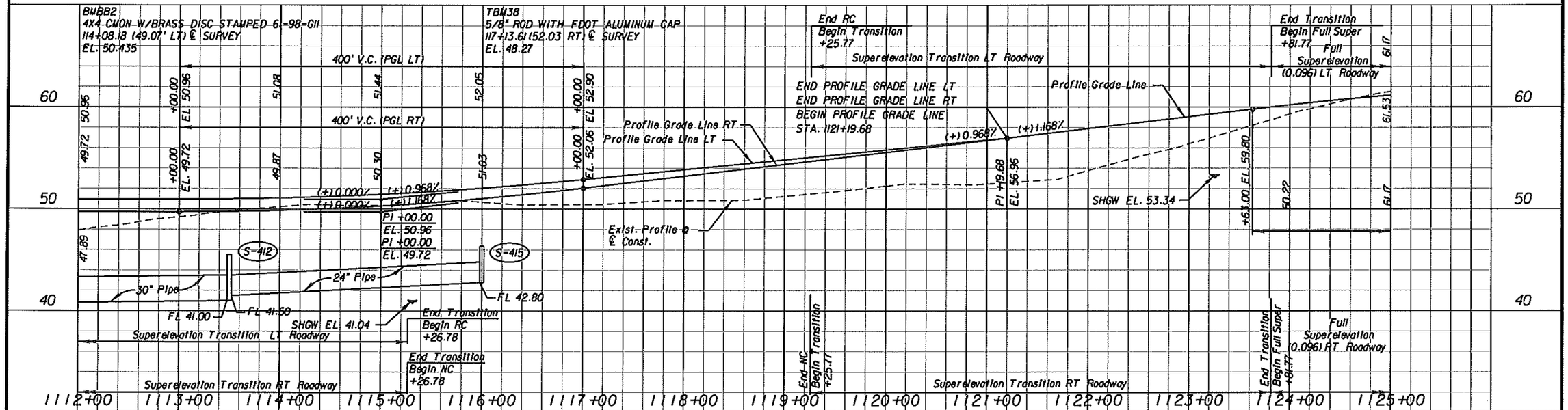

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ECDriver & Associates
1983 CENTRE POINTE BLVD. SUITE 104
TALLAHASSEE, FL 32308-7823
CERT. OF AUTH. #3838

ENGINEER OF RECORD: Donald S. Podgell, P.E. P.E. NO. 53201

STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

PLAN-PROFILE

SHEET NO. 14

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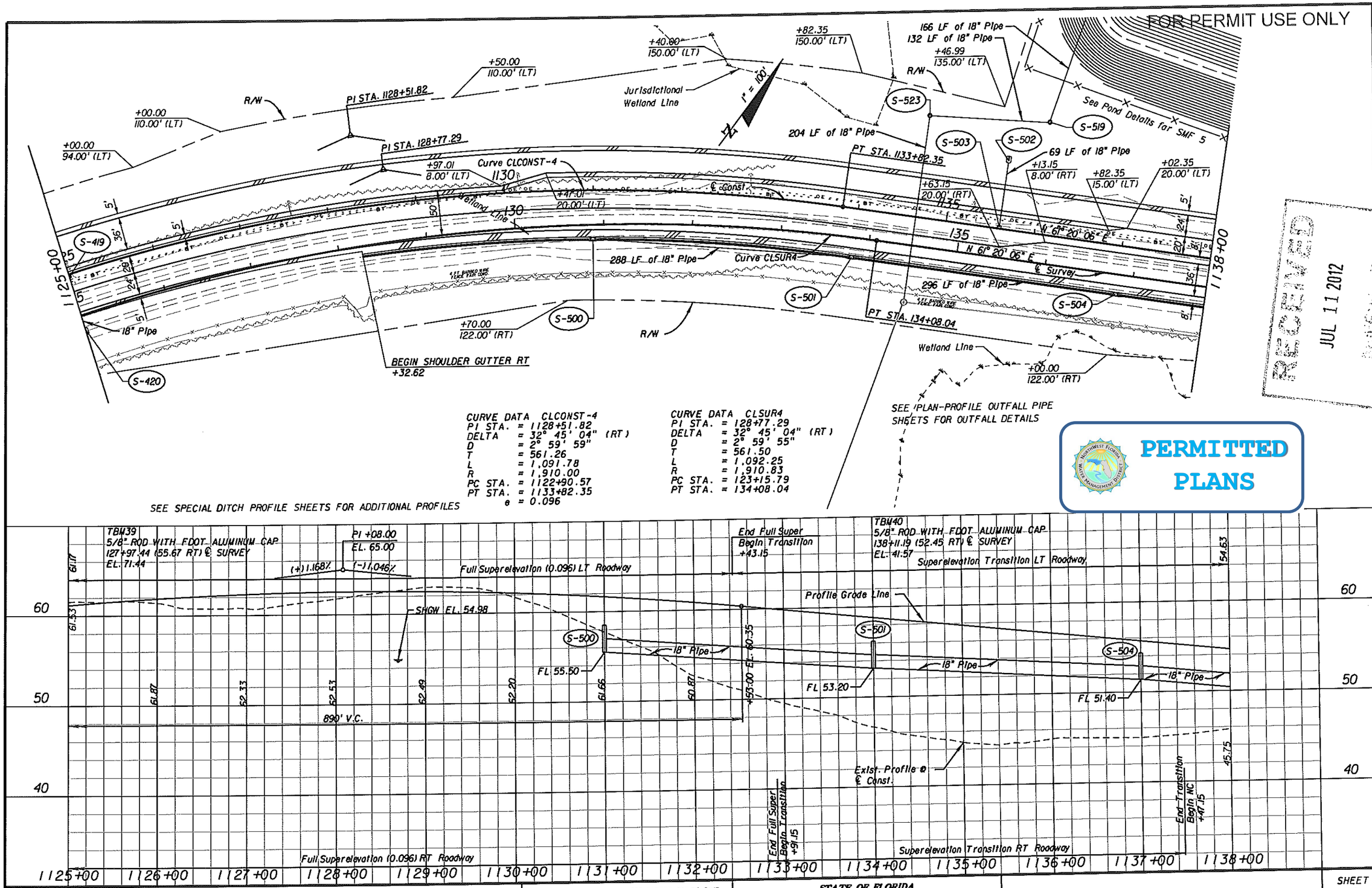

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PC STA. = 1122+90.57
PT STA. = 1133+82.35
e = 0.096

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D = 2° 59' 55"
T = 561.50
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R = 1,910.83
PC STA. = 123+15.79
PT STA. = 134+08.04

SEE SPECIAL DITCH PROFILE SHEETS FOR ADDITIONAL PROFILES

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ENGINEER OF RECORD: Donald S. Padgett, P.E.
P.E. NO. 53201

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PLAN-PROFILE

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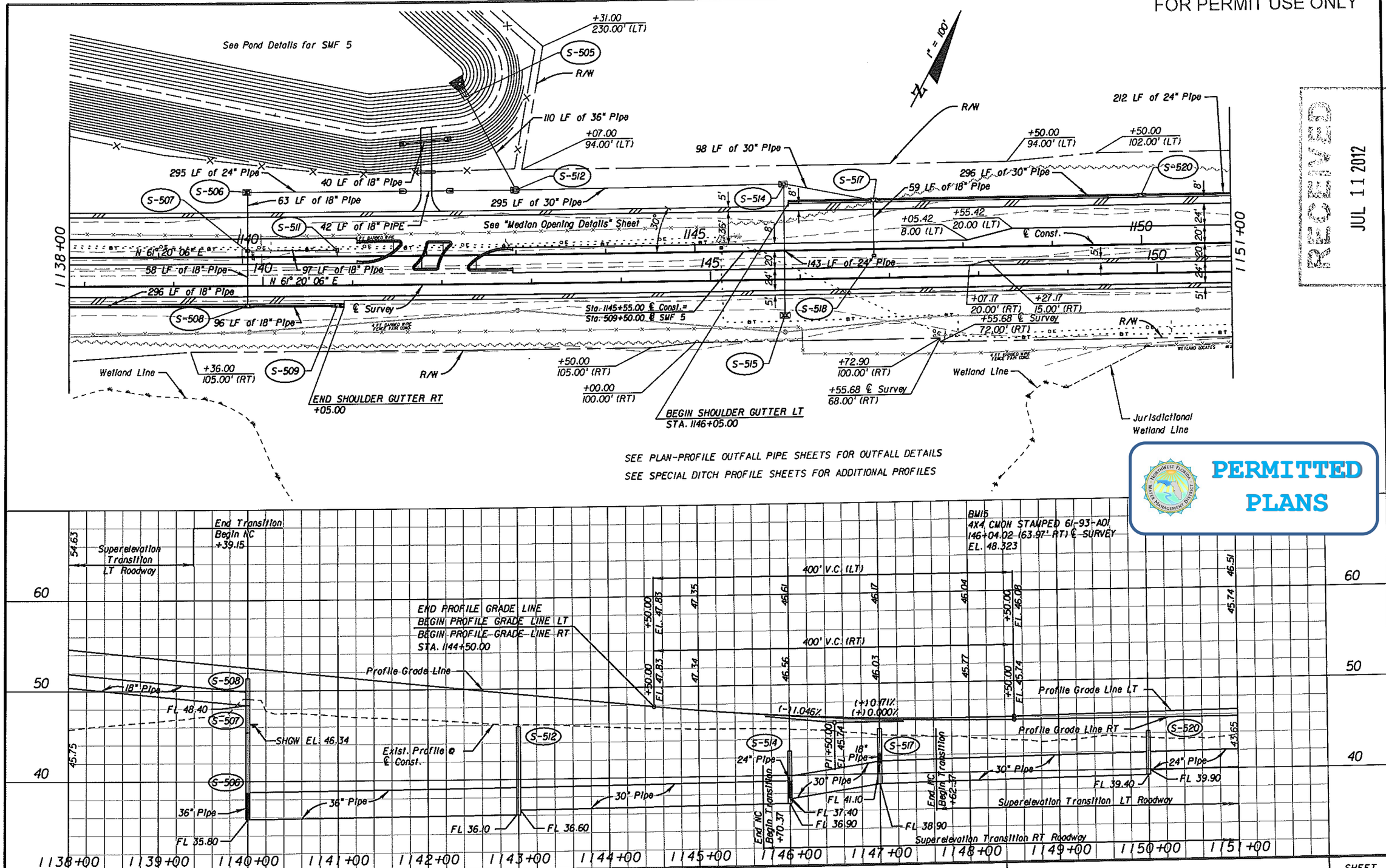

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P.E. NO. 53201

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PLAN-PROFILE

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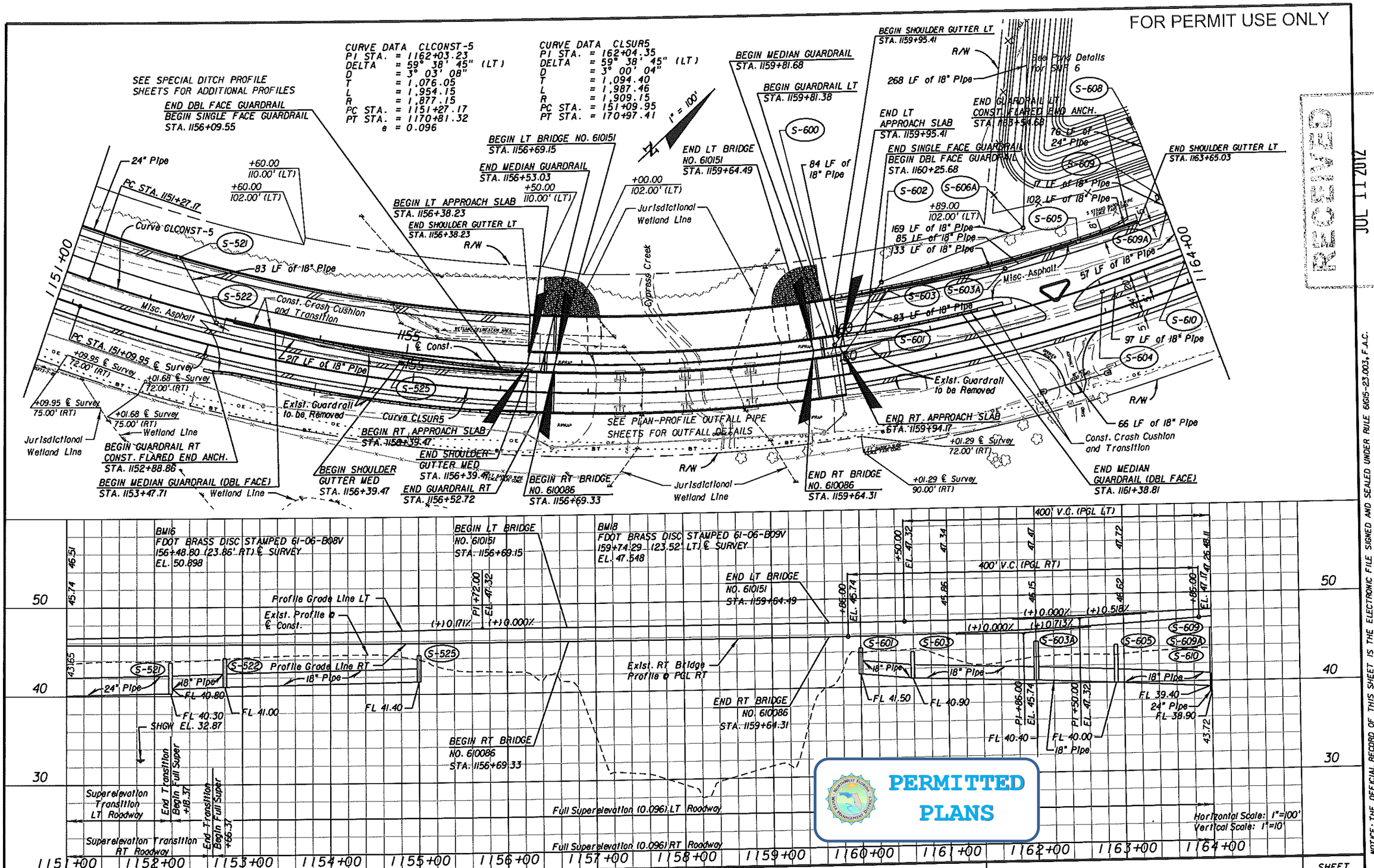

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CERT. OF AUTH. #3838

ENGINEER OF RECORD: Donald S. Podgell, P.E.
P.E. NO. 53201

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

PLAN-PROFILE

SHEET NO. 17

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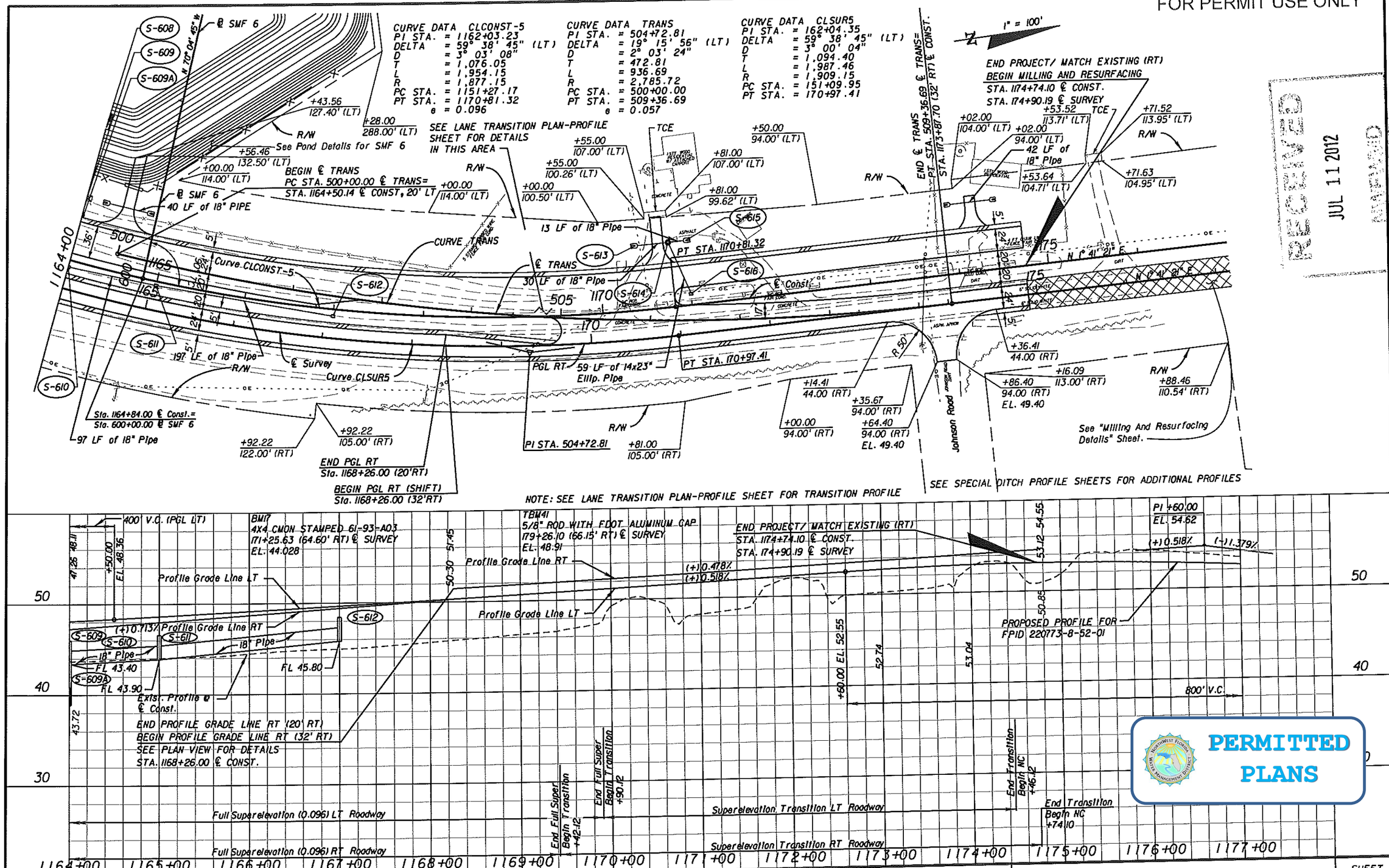

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SR 79	WASHINGTON	220773-7-52-01

PLAN-PROFILE

SHEET NO. 18

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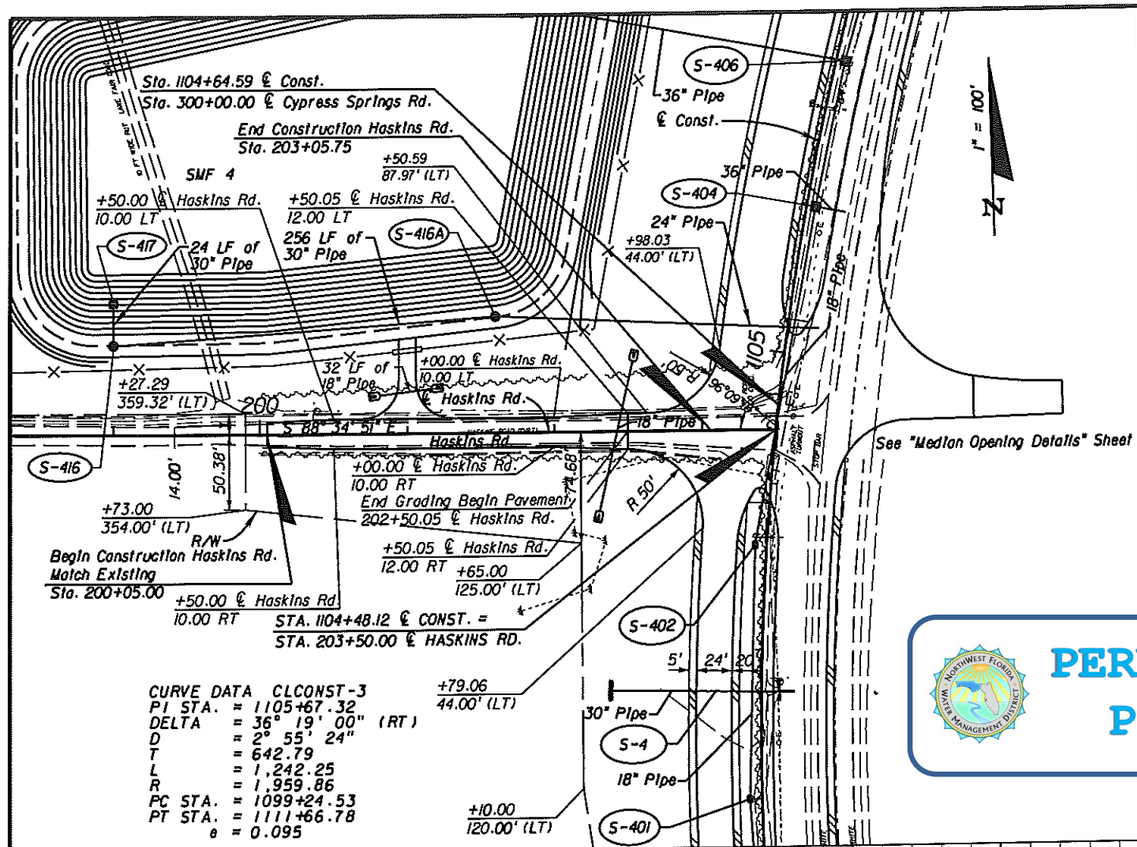

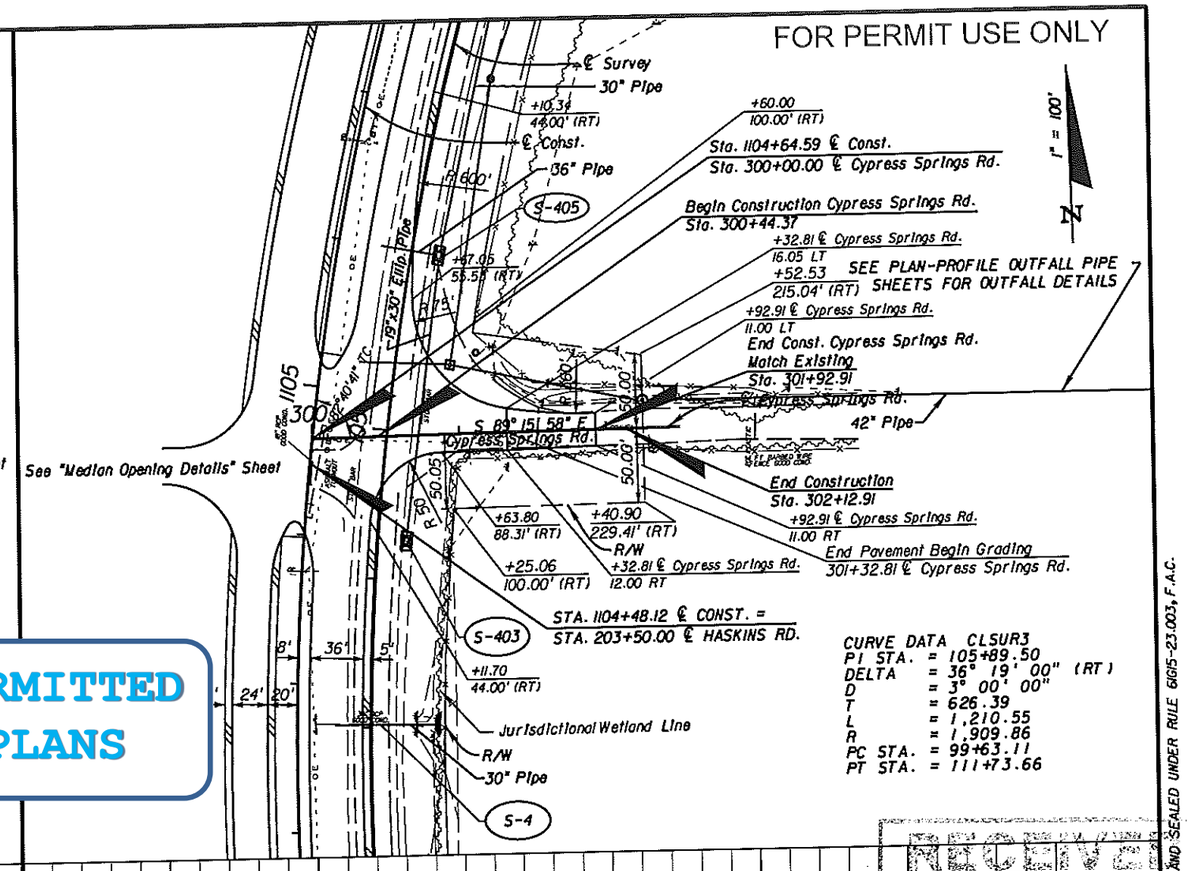

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PT STA. = 1111+66.78
e = 0.095

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PT STA. = 111+73.66

PERMITTED PLANS

Horizontal Scale: 1"=100'
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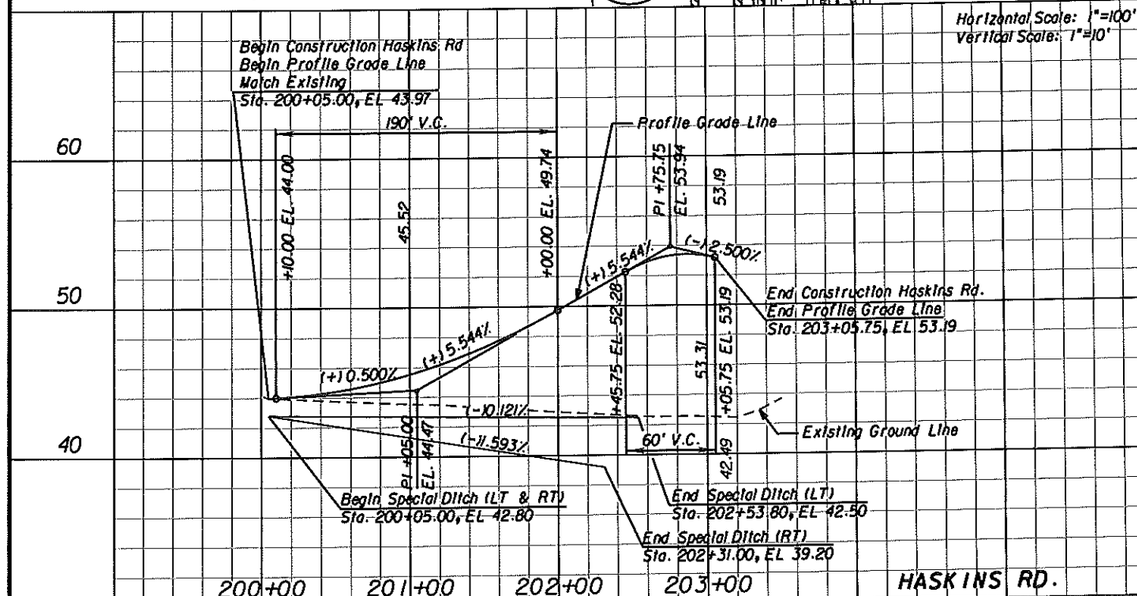

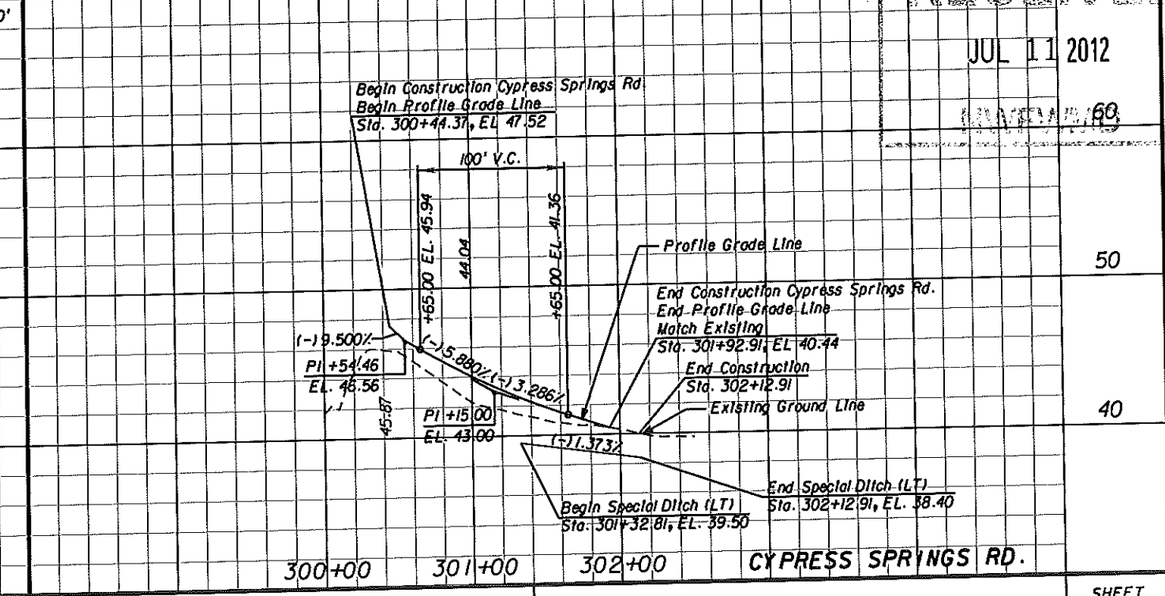

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ENGINEER OF RECORD: Donald S. Padgett, P.E. P.E. NO. 53201

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

PLAN-PROFILE

SHEET NO. 19

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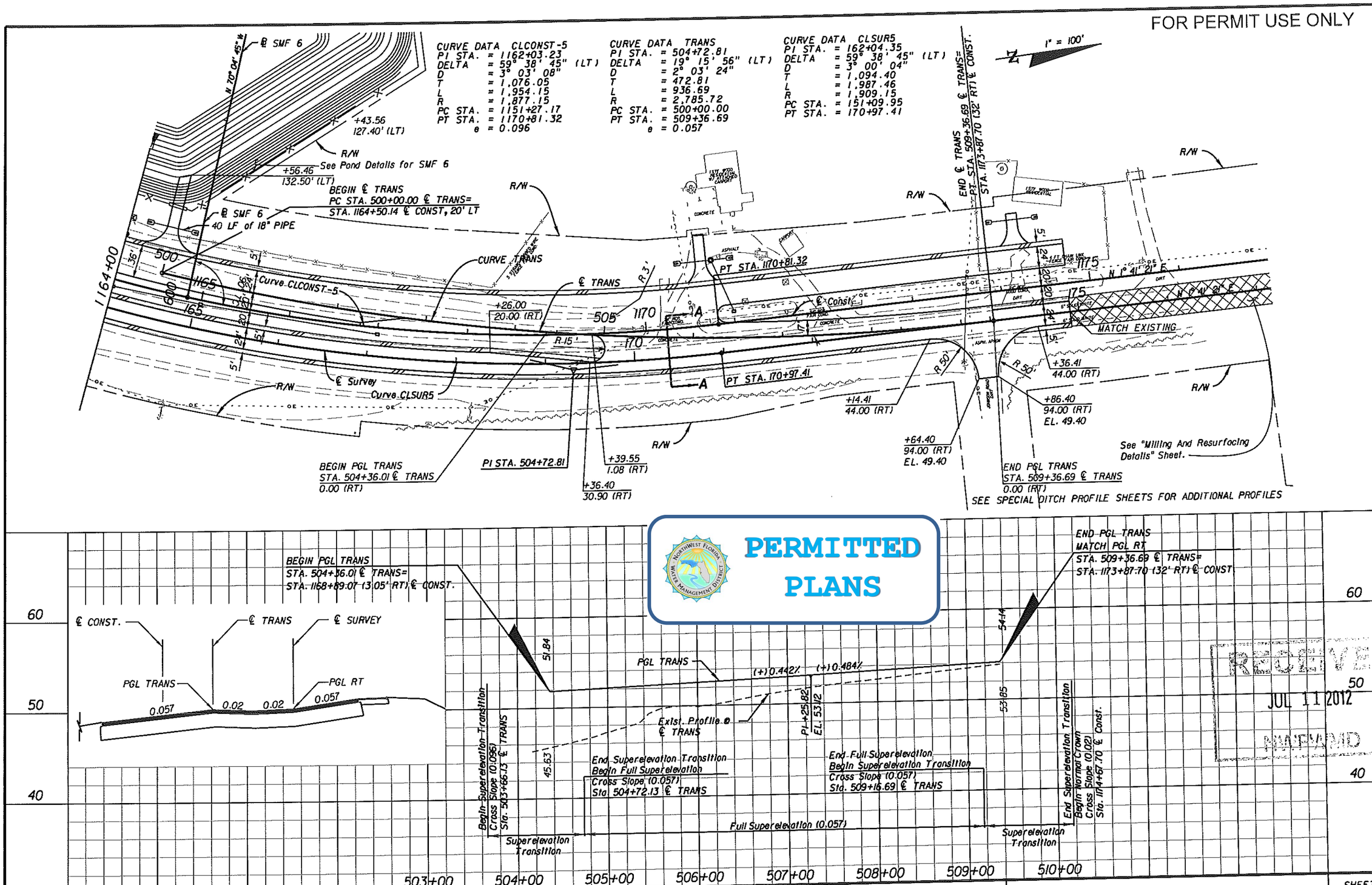

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CERT. OF AUTH. #3838

ENGINEER OF RECORD: Donald S. Padgett, P.E.
P.E. NO. 53201

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

LANE TRANSITION PLAN-PROFILE

SHEET NO. 20

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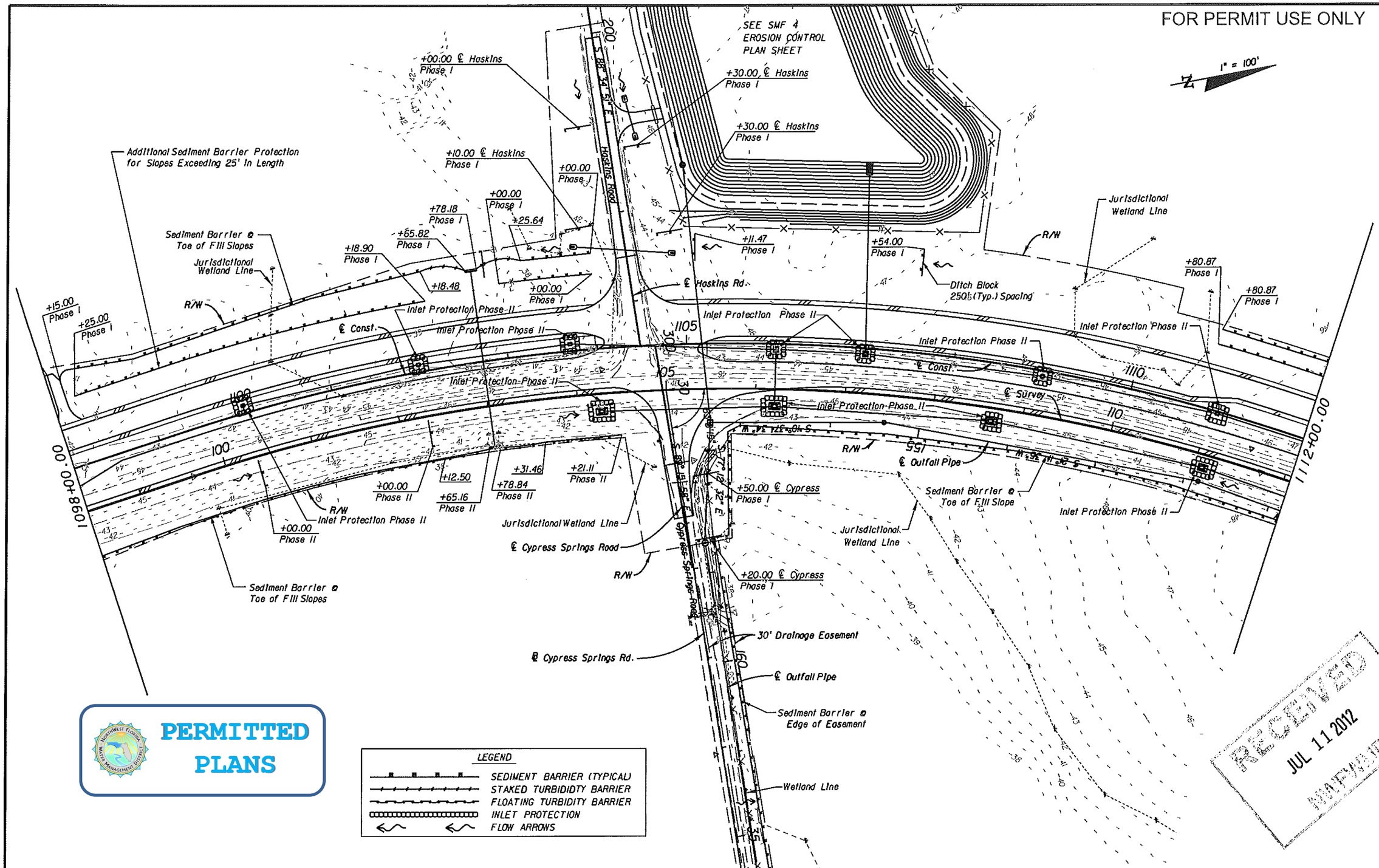

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ENGINEER OF RECORD: Clark L. Stephens, P.E. P.E. NO. 54867

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

EROSION CONTROL PLAN

SHEET NO. 133

E.C. DRIVER 4/20/2012 11:29:26 AM L:\22077375201\permits\11x17Drawings\planem09.dgn

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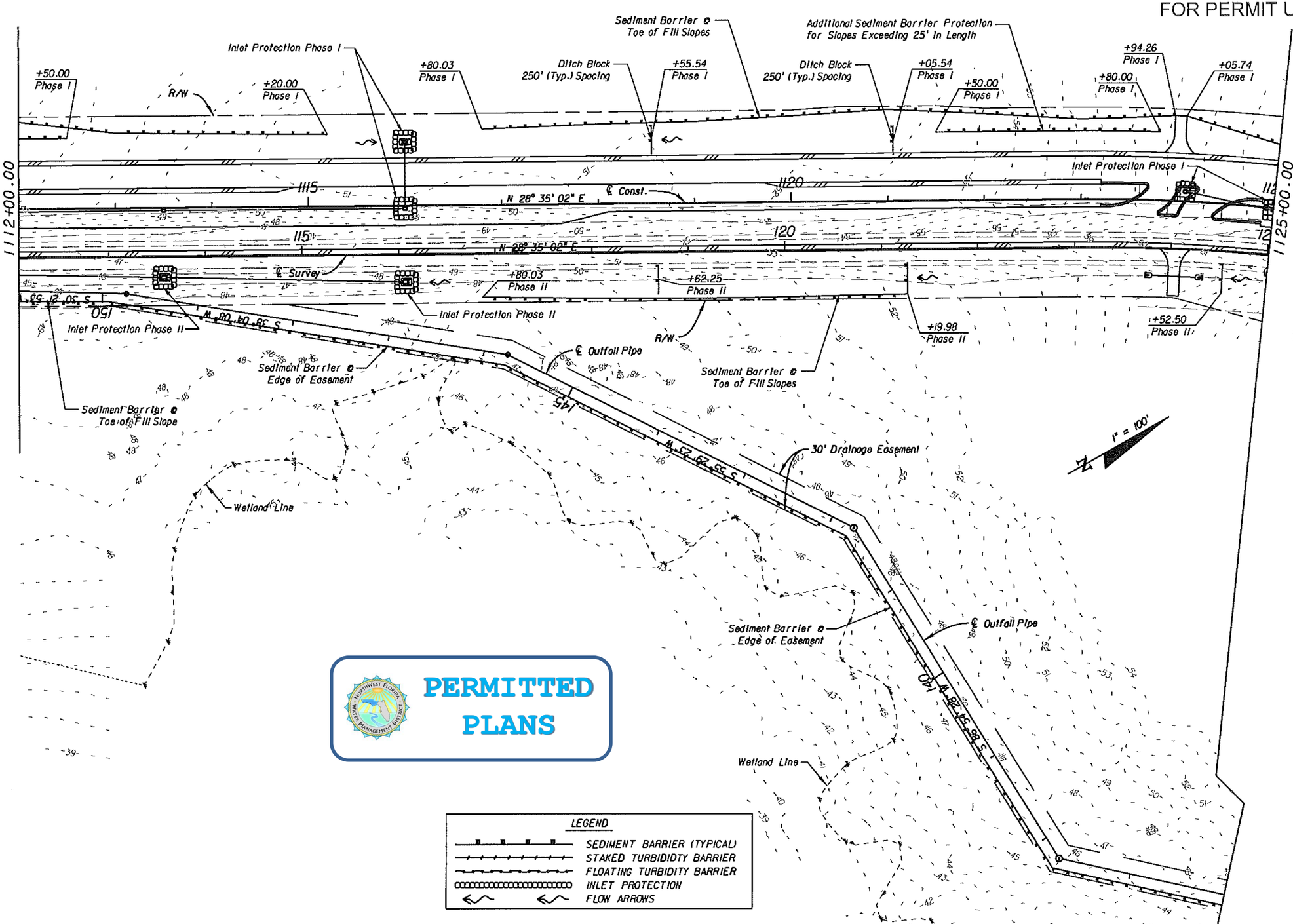

PERMITTED PLANS

LEGEND

- SEDIMENT BARRIER (TYPICAL)
- STAKED TURBIDIDTY BARRIER
- FLOATING TURBIDITY BARRIER
- INLET PROTECTION
- FLOW ARROWS

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

EROSION CONTROL PLAN

SHEET NO. 134

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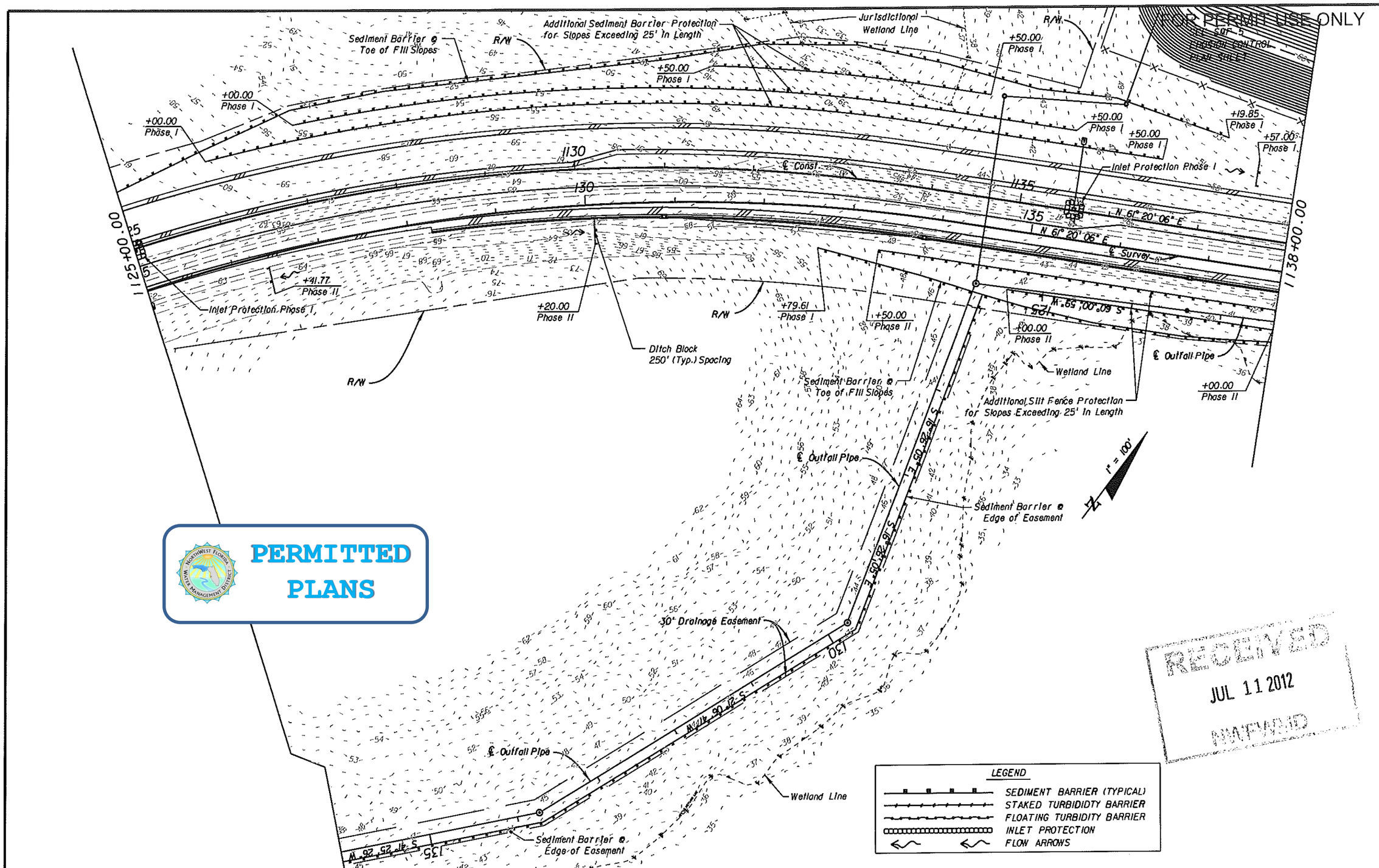

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

EROSION CONTROL PLAN

SHEET NO. 135

E.C. DRIVER 4/20/2012 1:26:31 PM L:\220773520\permits\ix17Drawings\planemil.dgn

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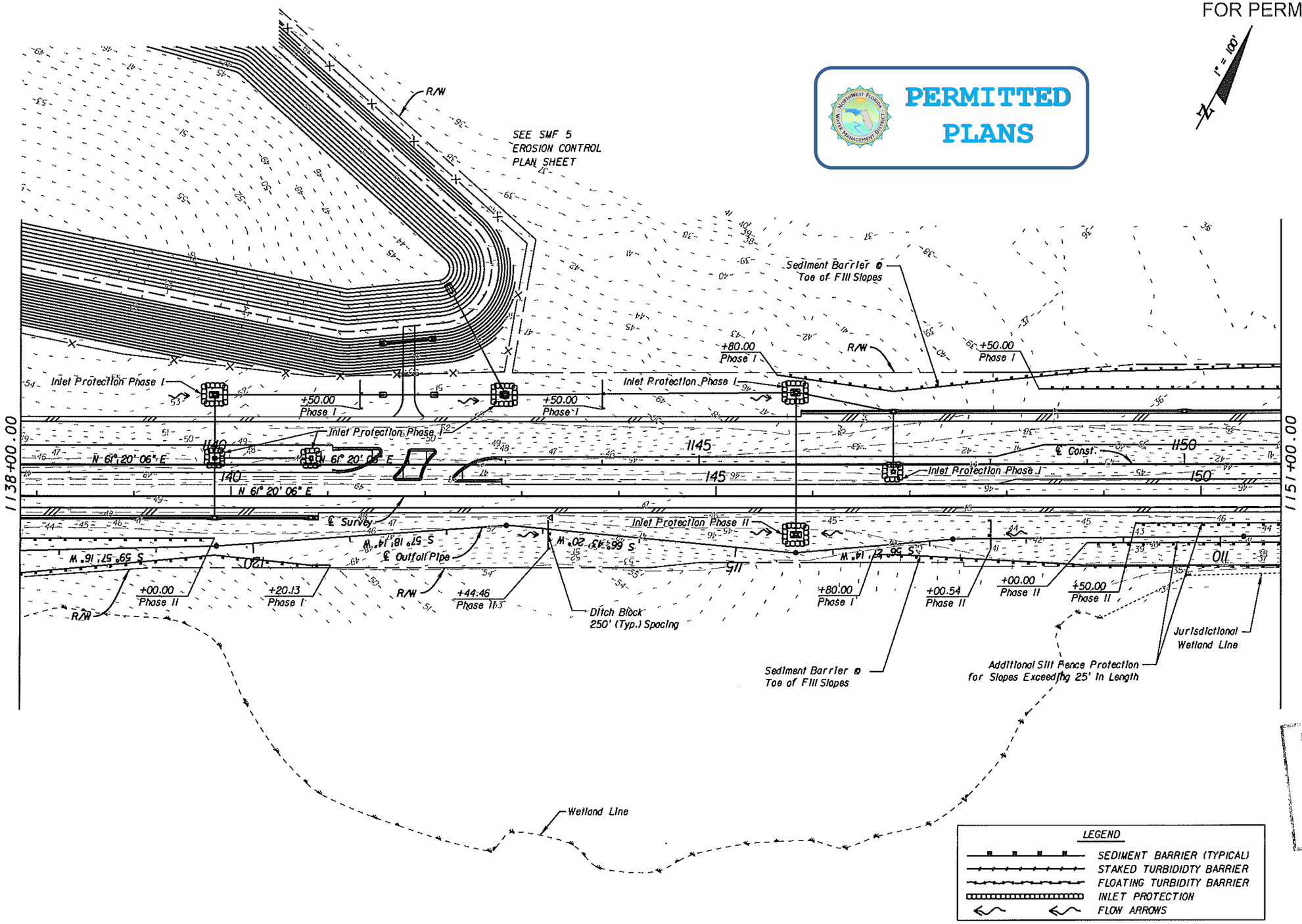
1" = 100'



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SUITE 104
TALLAHASSEE, FL 32308-7823
CERT. OF AUTH. #3838

ENGINEER OF RECORD: Clark L. Stephens, P.E.
P.E. NO. 54867

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

EROSION CONTROL PLAN

SHEET NO. 136

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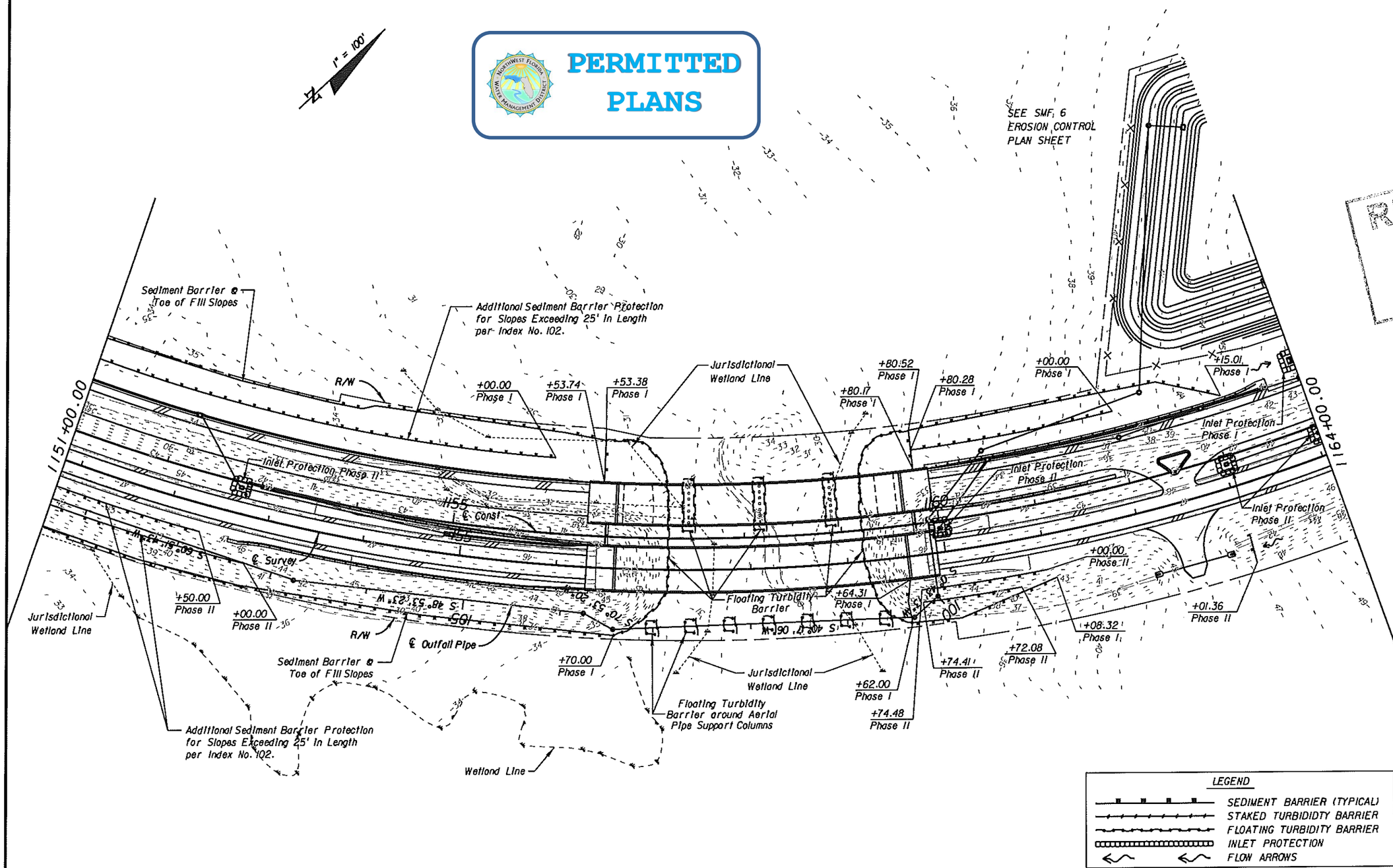

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SR 79	WASHINGTON	220773-7-52-01

EROSION CONTROL PLAN

SHEET NO. 137

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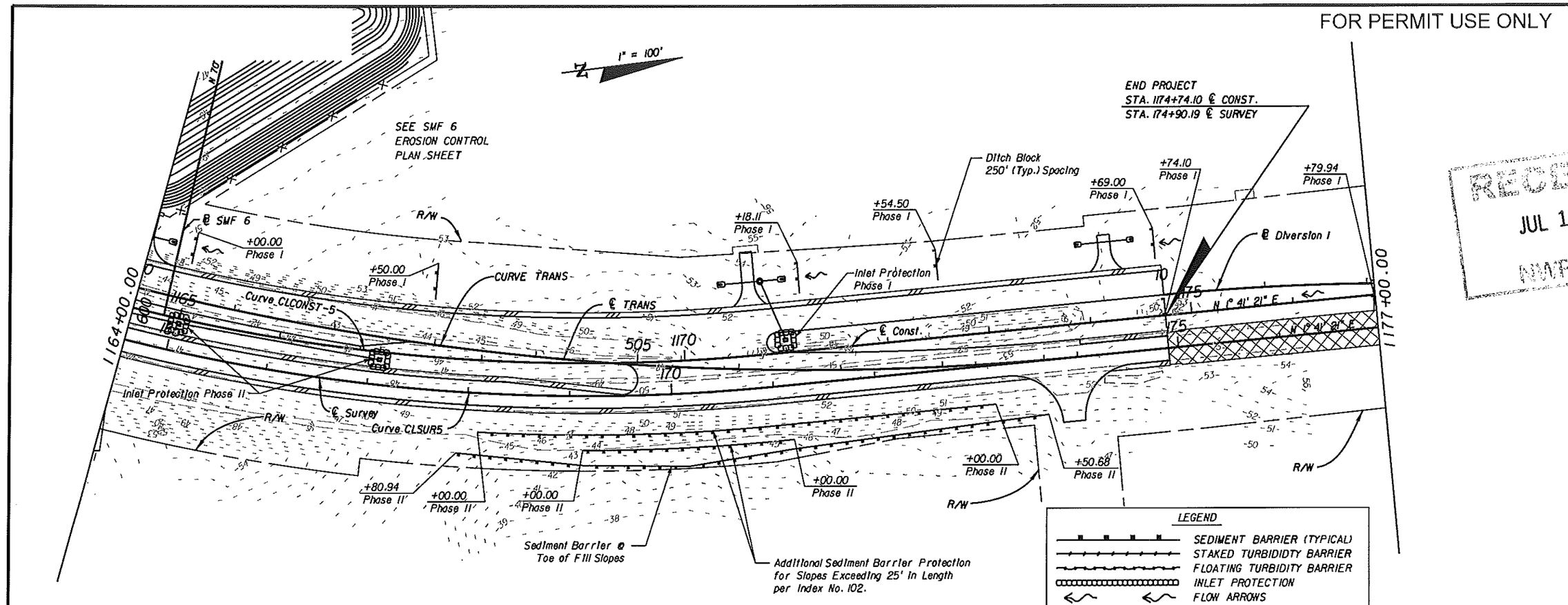

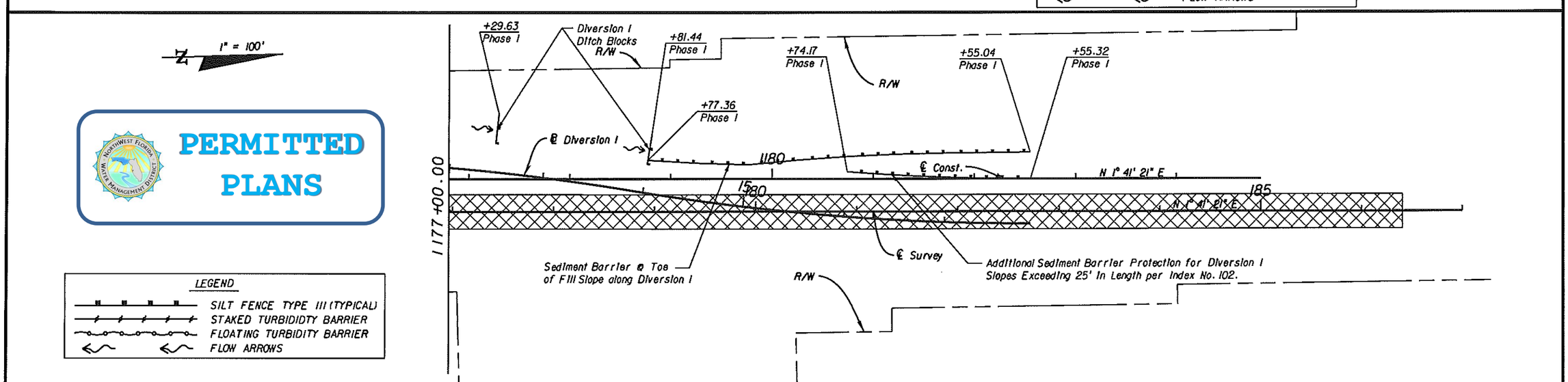

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

EROSION CONTROL PLAN

SHEET NO.
138

E.C. DRIVER 4/20/2012 1:26:50 PM L:\220773752\01\permits\11x17Drawings\planem14.dgn

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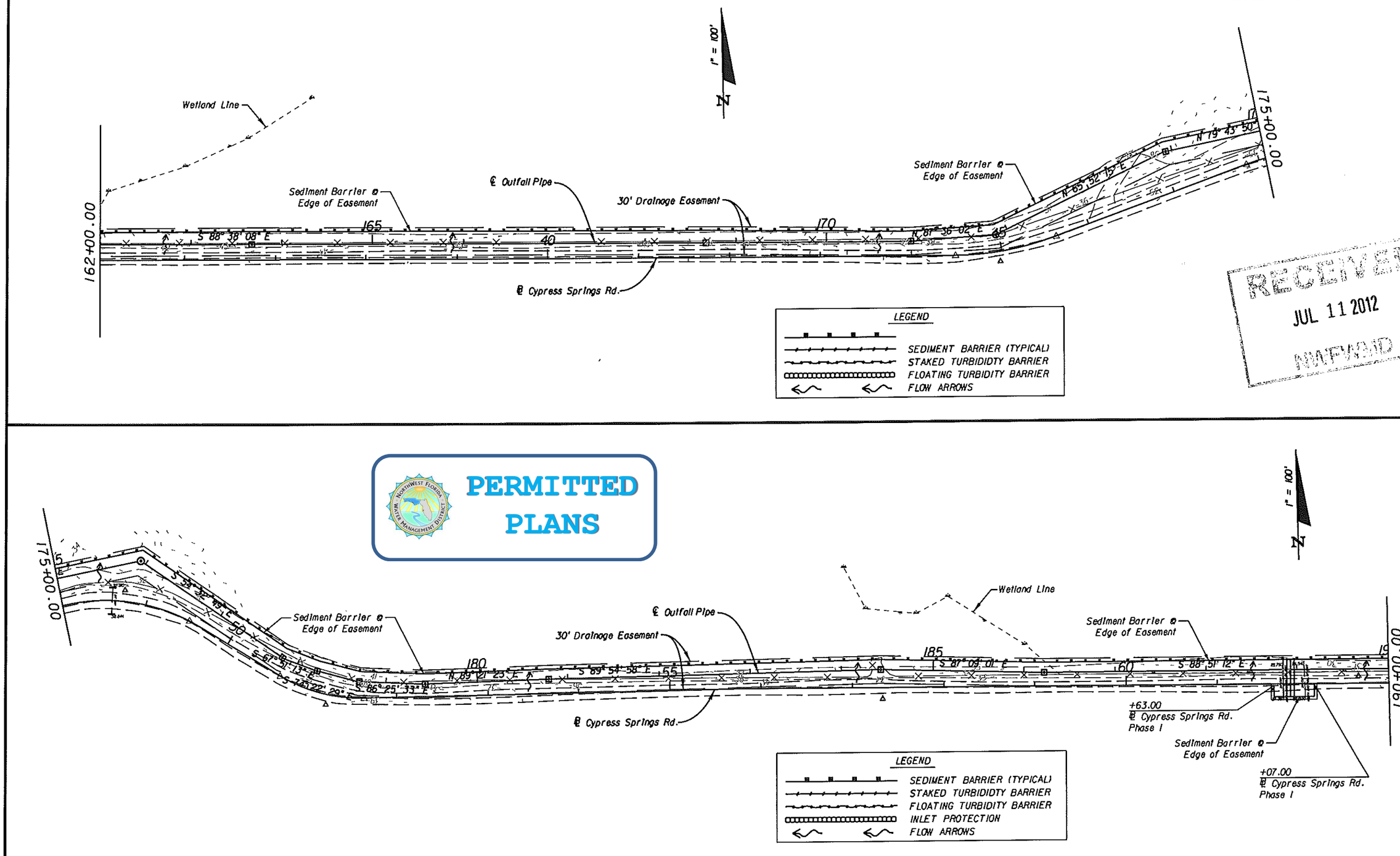

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ECDriver & Associates
1983 CENTRE POINTE BLVD.
SUITE 104
TALLAHASSEE, FL 32308-7823
CERT. OF AUTH. #3838

ENGINEER OF RECORD: Clark L. Stephens, P.E.
P.E. NO. 54867

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

EROSION CONTROL PLAN

SHEET NO. 139

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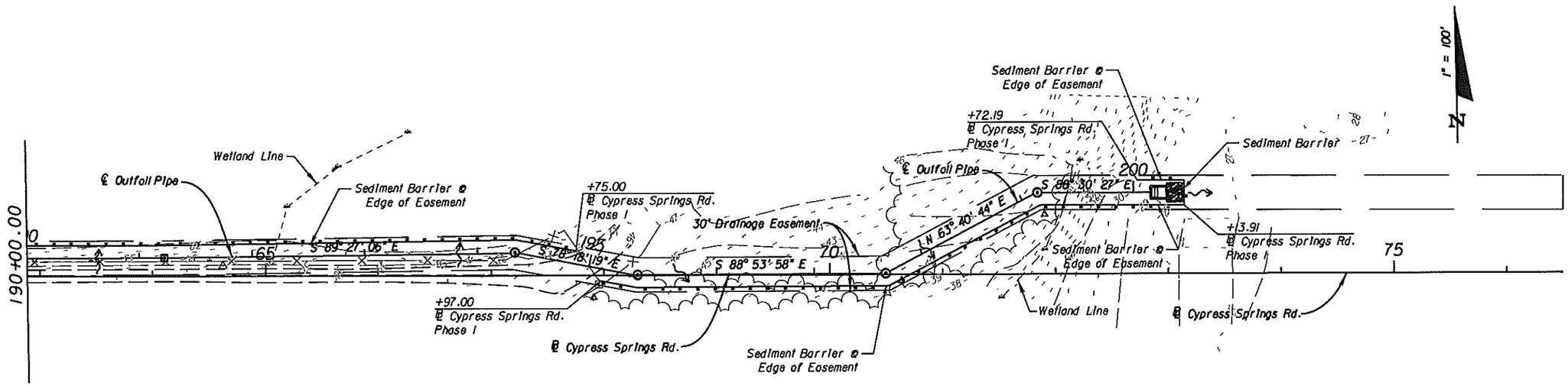

LEGEND

- SEDIMENT BARRIER (TYPICAL)
- STAKED TURBIDIDTY BARRIER
- FLOATING TURBIDITY BARRIER
- INLET PROTECTION
- FLOW ARROWS

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

EROSION CONTROL PLAN

SHEET NO. 140

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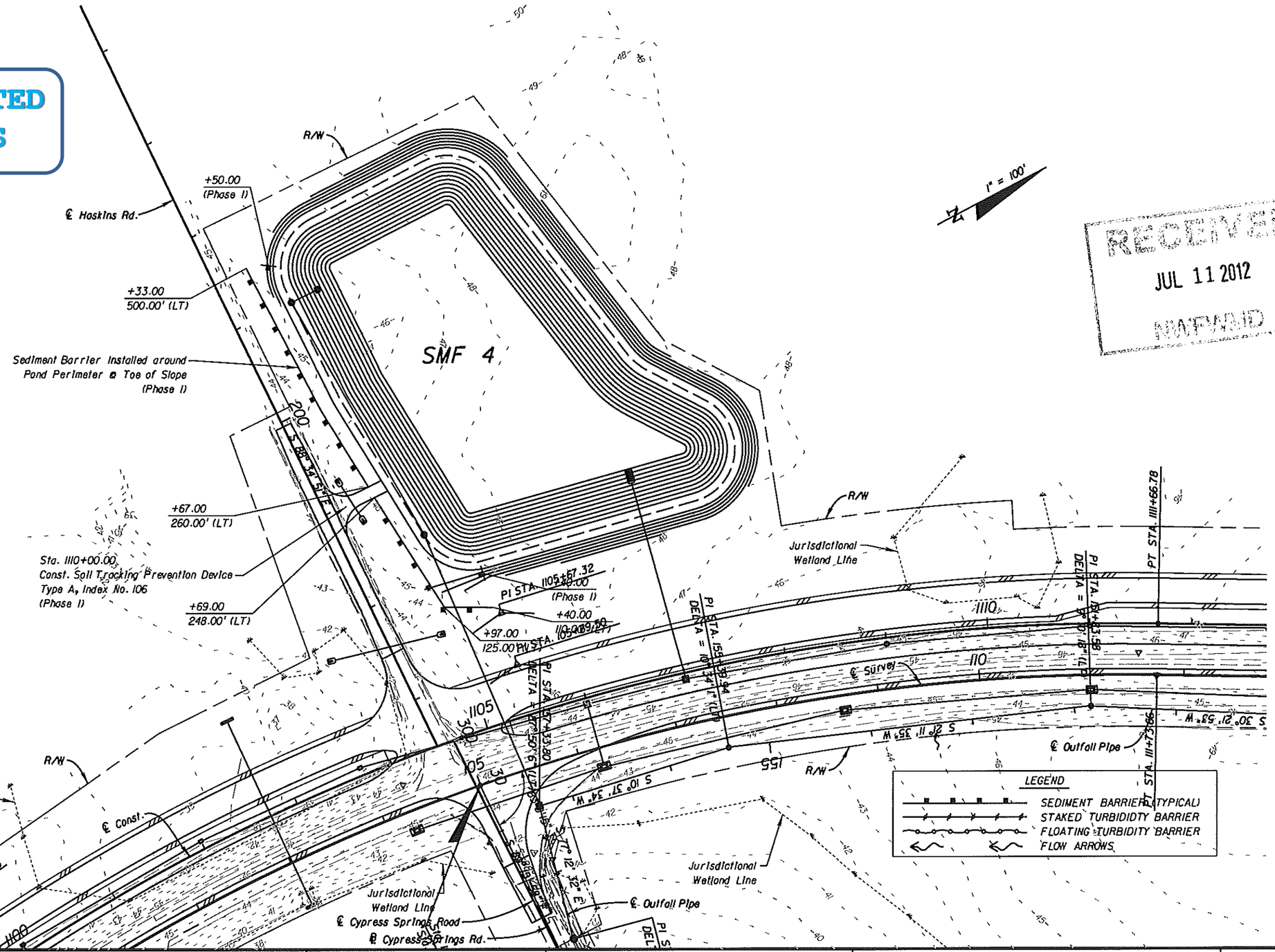

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

EROSION CONTROL PLAN
SMF 4

SHEET NO. 141

E.C. DRIVER 4/20/2012 1:27:10 PM L:\220773\5201\permits\11x17Drawings\plonem20.dgn

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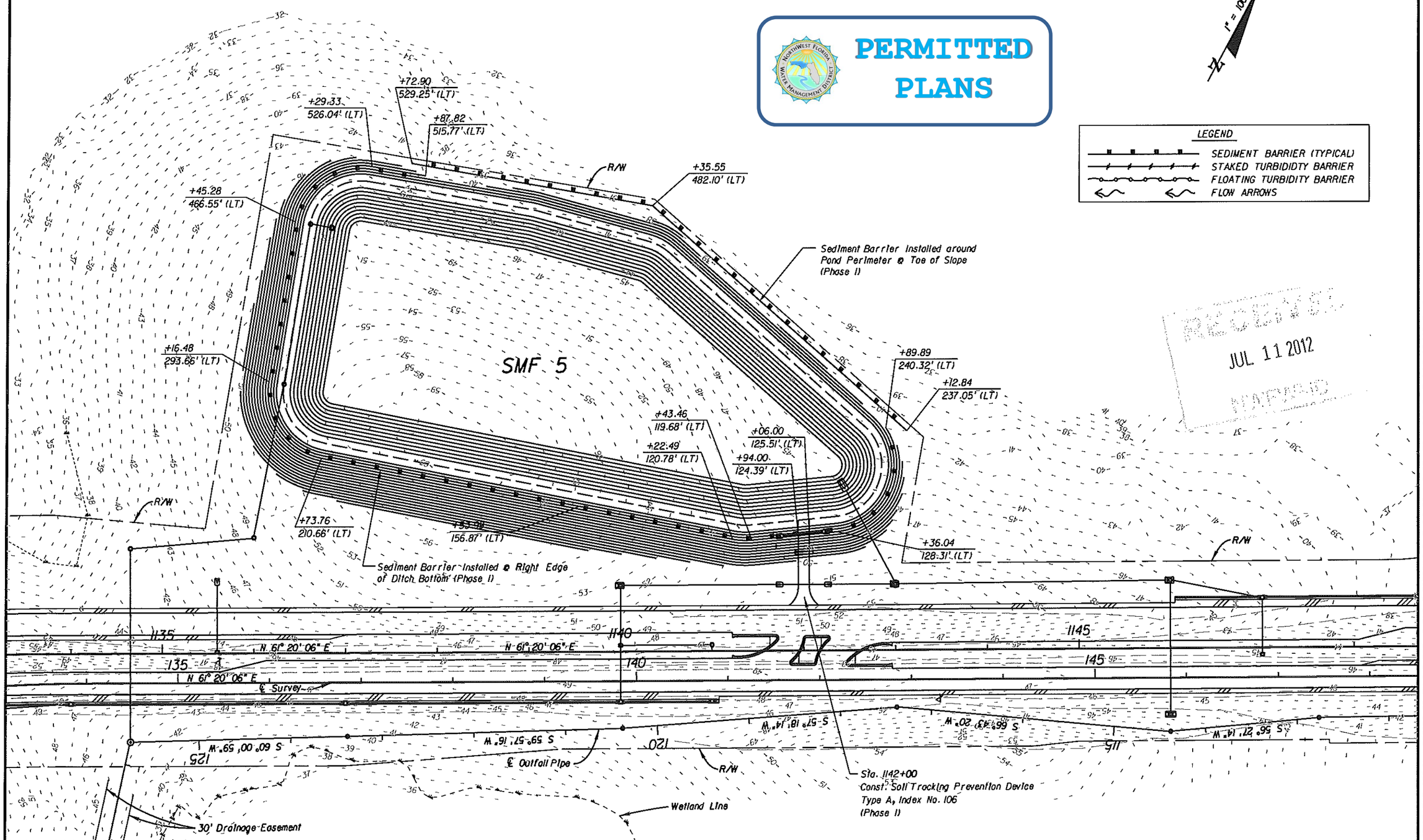
PERMITTED PLANS



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REVISIONS					
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ECDriver & Associates
1983 CENTRE POINTE BLVD.
SUITE 104
TALLAHASSEE, FL 32308-7823
CERT. OF AUTH. #3838

ENGINEER OF RECORD: Clark L. Stephens, P.E.
P.E. NO. 54867

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

EROSION CONTROL PLAN
SMF 5

SHEET NO. 142

E.C. DRIVER 4/20/2012 1:27:16 PM L:\220773752\01\permits\11x17Drawings\planem21.dgn

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PERMITTED PLANS

1" = 100'

LEGEND

- SEDIMENT BARRIER (TYPICAL)
- STAKED TURBIDIDTY BARRIER
- FLOATING TURBIDITY BARRIER
- FLOW ARROWS

+37.07
399.33' (LT)

+42.35
378.69' (LT)

R/W

Sediment Barrier Installed around Pond Perimeter @ Toe of Slope (Phase I)

℄ SMF 6

N 70° 04' 45" W

+68.40
286.28' (LT)

SMF 6

+22.08'
160.87' (LT)

+16.92
423.29' (LT)

+71.77
129.91' (LT)

R/W

CURVE TRANS

℄ TRANS

℄ Const.

℄ SMF 6 +56.41
119.96' (LT)

+57.41
116.65' (LT)

+31.06
115.42' (LT)

Curve CLCONST-5

Curve CLSUR5

℄ Survey

R/W

Jurisdictional Wetland Line

PI STA 100+31.85
DELTA = 39° 33' 53" (RT)

S 40° 17' 06" W

Sta. 1164+50.00
Const. Soil Tracking Prevention Device
Type A, Index No. 106
(Phase I)

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REVISIONS					
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ECDriver & ASSOCIATES
1983 CENTRE POINTE BLVD.
SUITE 104
TALLAHASSEE, FL 32308-7823
CERT. OF AUTH. #3838

ENGINEER OF RECORD: Clark L. Stephens, P.E.
P.E. NO. 54867

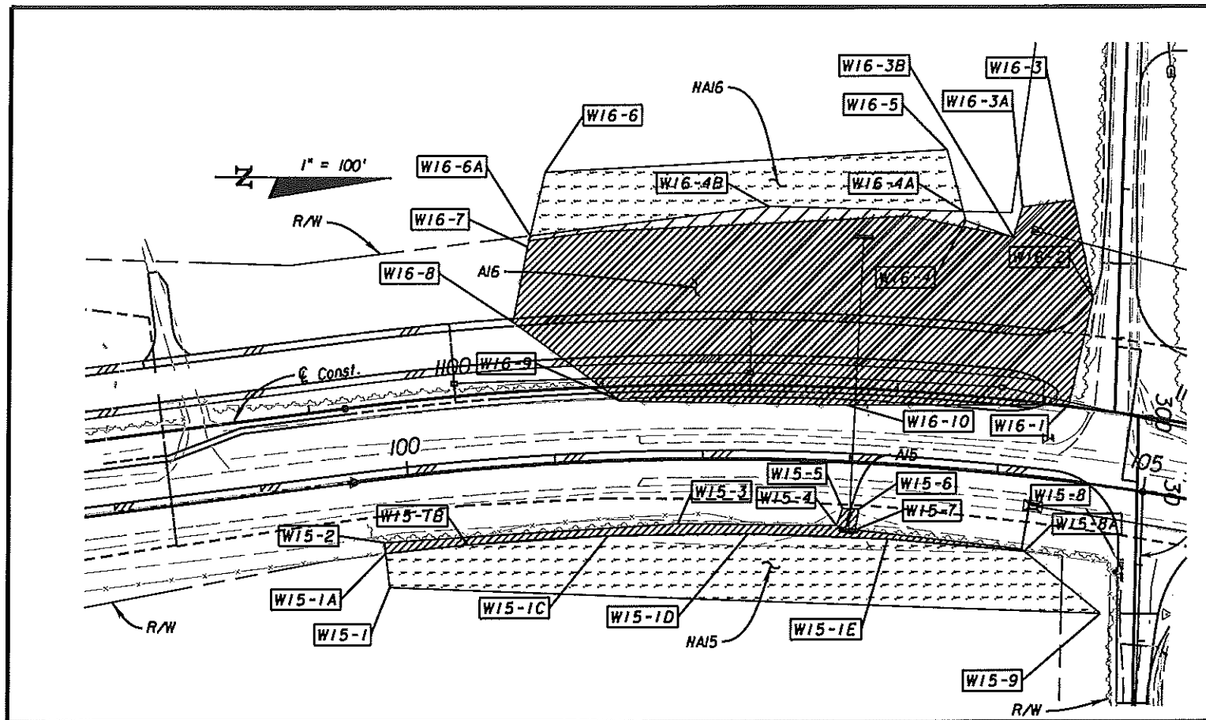
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

EROSION CONTROL PLAN
SMF 6

SHEET NO. 143

E.C. DRIVER 4/20/2012 1:27:22 PM L:\22077375201\permits\Civil\Drawings\plansm22.dgn



WETLAND IMPACTS (FILL)				
AREA	POINT	STATION	OFFSET	AREA (ACRES)
A15	W15-2	1099+40.84	92.60 RT	
	W15-1A	1099+40.84	100.00 RT	
	W15-1B	1100+00.00	100.00 RT	
	W15-1C	1101+00.00	100.00 RT	
	W15-1D	1102+00.00	100.00 RT	
	W15-1E	1103+00.00	100.00 RT	
	W15-8A	1103+97.64	100.00 RT	
	W15-8	1103+95.66	98.80 RT	
	W15-7	1102+76.61	95.05 RT	
	W15-6	1102+78.34	81.08 RT	
	W15-5	1102+66.76	81.09 RT	
	W15-4	1102+63.05	92.81 RT	
	W15-3	1101+49.89	93.11 RT	
				0.056
A16	W16-1	1104+16.32	1.23 LT	
	W16-2	1104+23.45	73.95 LT	
	W16-3	1104+03.23	137.72 LT	
	W16-3A	1103+71.45	129.40 LT	
	W16-3B	1103+67.78	108.46 LT	
	W16-4	1103+36.50	116.91 LT	
	W16-4A	1103+34.44	122.98 LT	
	W16-4B	1102+10.00	120.00 LT	
	W16-6A	1100+56.69	103.76 LT	
	W16-7	1100+54.63	96.47 LT	
	W16-8	1100+42.28	46.63 LT	
	W16-9	1101+11.73	9.84 RT	
	W16-10	1102+66.43	11.64 RT	
				1.060
A17A	W17-11B	1105+15.47	220.46 RT	
	W17-11C	1105+16.86	194.97 RT	
	W17-11D	1105+15.65	187.96 RT	
	W17-11E	1105+10.52	145.27 RT	
	Flag 3-4	1105+06.67	153.83 RT	
				0.006

WETLAND IMPACTS (EXCAVATION)				
AREA	POINT	STATION	OFFSET	AREA (ACRES)
A17	W17-11	1105+41.43	114.62 RT	
	W17-11A	1105+20.52	145.22 RT	
	UPL 1-4	1105+21.47	155.73 RT	
	UPL 1-1	1105+28.82	218.63 RT	
	W17-11B	1105+15.47	220.46 RT	
	W17-11C	1105+16.86	194.97 RT	
	W17-11D	1105+15.65	187.96 RT	
	W17-11E	1105+10.52	145.27 RT	
	Flag 3-3	1105+22.10	118.97 RT	
				0.024
A17B	W17-11	1105+41.43	114.62 RT	
	W17-11A	1105+20.52	145.22 RT	
	UPL 1-4	1105+21.47	155.73 RT	
	UPL 1-1	1105+28.82	218.63 RT	
	W17-11B	1105+15.47	220.46 RT	
	Flag 3-5	1105+26.91	299.98 RT	
	Flag 3-6	1105+42.41	318.13 RT	
	Flag 3-7	1105+51.07	391.86 RT	
	W17-13	1105+80.08	525.20 RT	
	W17-14	1106+03.37	531.43 RT	
	W17-12	1105+34.41	217.77 RT	
				0.133

All wetlands shown on this sheet are part of a binding jurisdictional determination, except the area adjacent to Wetland 17 flagged as "Flag 3-".

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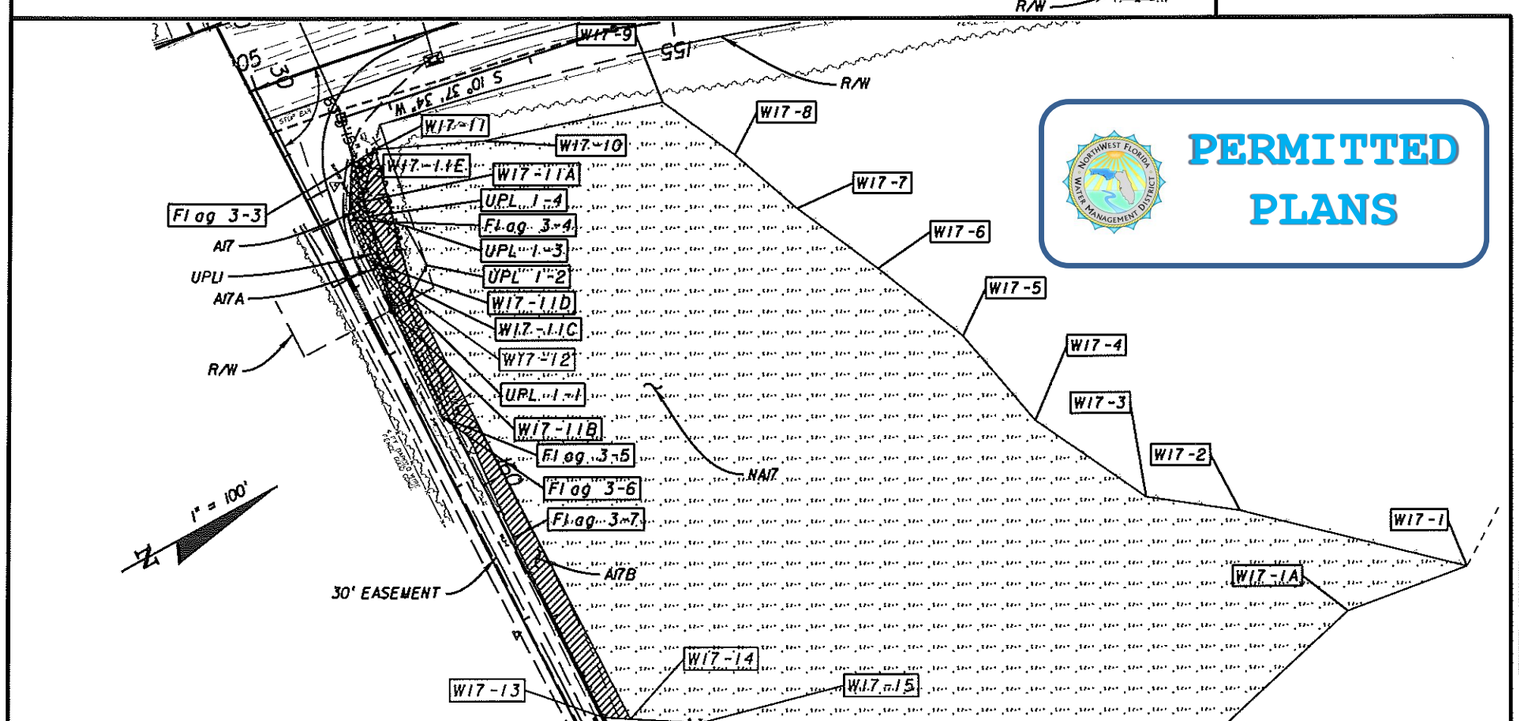

PERMITTED PLANS

NON-IMPACTED WETLANDS			
AREA	POINT	STATION	OFFSET
NA15	W15-1	1099+40.84	123.00 RT
	W15-1A	1099+40.84	100.00 RT
	W15-1B	1100+00.00	100.00 RT
	W15-1C	1101+00.00	100.00 RT
	W15-1D	1102+00.00	100.00 RT
	W15-1E	1103+00.00	100.00 RT
	W15-8A	1103+97.64	100.00 RT
	W15-9	1104+57.89	134.89 RT
NA16	W16-4A	1103+34.44	122.98 LT
	W16-5	1103+21.07	163.37 LT
	W16-6	1100+68.27	145.77 LT
	W16-6A	1100+56.69	103.76 LT
	W16-4B	1102+10.00	120.00 LT
NA17	W17-1A	1112+46.91	518.61 RT
	W17-1	1113+27.50	488.85 RT
	W17-2	1111+74.15	451.11 RT
	W17-3	1110+94.10	440.74 RT
	W17-4	1110+02.57	384.69 RT
	W17-5	1109+50.08	323.50 RT
	W17-6	1108+89.64	271.25 RT
	W17-7	1108+34.70	222.84 RT
	W17-8	1107+95.35	179.83 RT
	W17-9	1107+50.84	135.39 RT
	W17-10	1106+18.64	131.06 RT
	W17-11	1105+41.43	114.62 RT
	W17-12	1105+34.41	217.77 RT
	W17-14	1106+03.37	531.43 RT
	W17-14	1106+65.63	546.84 RT

ISOLATED UPLAND			
AREA	POINT	STATION	OFFSET
UPLI	UPL 1-1	1105+28.82	218.63 RT
	UPL 1-2	1105+51.84	199.58 RT
	UPL 1-3	1105+45.74	170.21 RT
	UPL 1-4	1105+21.47	155.73 RT

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PERMITTING

= Impacted Wetlands (Fill)

= Temp. Wetland Impacts

= Impacted Wetlands (Excavation)

= Non-Impacted Wetlands

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REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ECDriver & Associates
1983 CENTRE POINTE BLVD.
SUITE 104
TALLAHASSEE, FL 32308-7823
CERT. OF AUTH. #3838

ENGINEER OF RECORD: Clark L. Stephens, P.E.
P.E. NO. 54867

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

WETLAND DELINEATION

SHEET NO. 144

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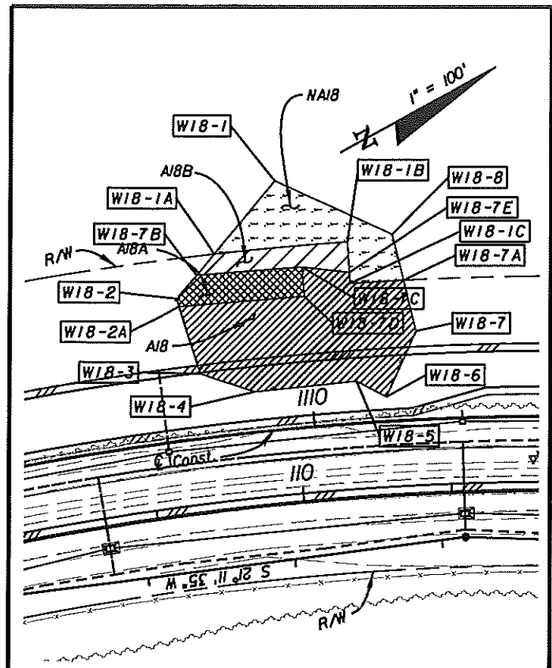
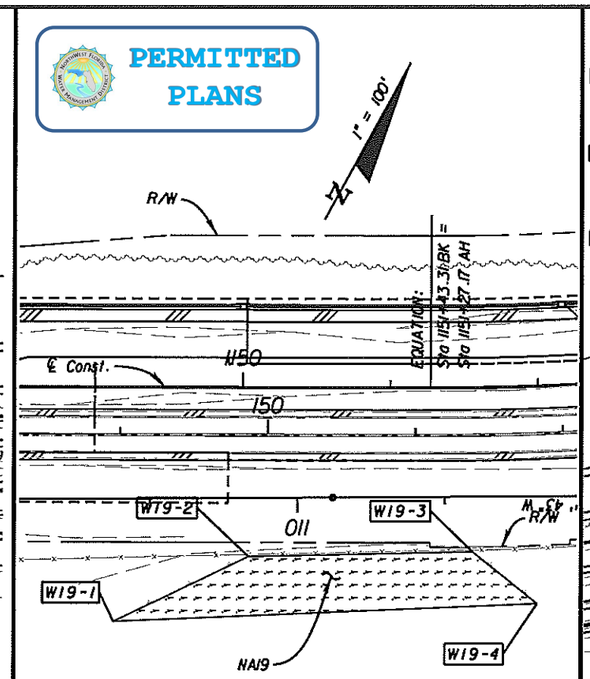
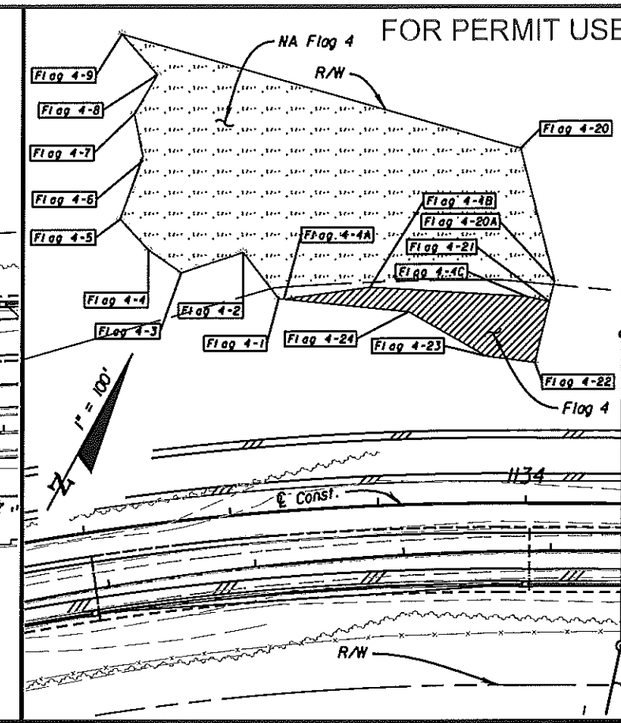
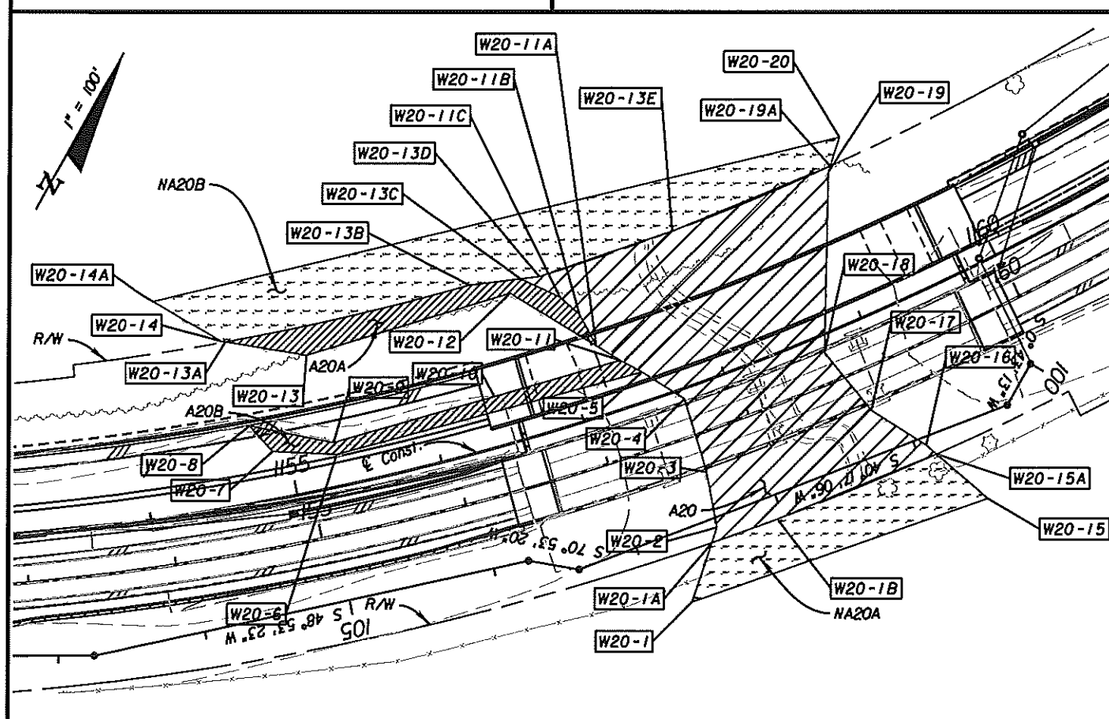
PERMITTED PLANS









NON-IMPACTED WETLANDS			
AREA	POINT	STATION	OFFSET
NA18	W18-1	1109+87.33	166.78 LT
	W18-1A	1109+44.72	122.00 LT
	W18-1B	1110+30.00	122.00 LT
	W18-7E	1110+30.00	101.47 LT
	W18-1C	1110+30.00	94.00 LT
	W18-7A	1110+64.56	94.00 LT
	W18-8	1110+58.64	125.25 LT
NA19	W19-1	1149+13.33	157.22 RT
	W19-2	1150+04.33	113.47 RT
	W19-3	1151+54.62	110.16 RT
	W19-4	1151+95.04	145.90 RT
NA20A	W20-1	1157+31.63	137.37 RT
	W20-1A	1157+55.36	104.00 RT
	W20-1B	1158+00.00	104.00 RT
	W20-15A	1159+10.06	104.00 RT
	W20-15	1159+28.52	145.37 RT
NA20B	W20-13A	1154+70.35	110.00 LT
	W20-13B	1156+50.00	110.00 LT
	W20-13C	1156+86.60	104.27 LT
	W20-13D	1157+00.00	102.00 LT
	W20-13E	1158+00.00	102.00 LT
	W20-19A	1159+22.04	102.00 LT
	W20-20	1159+36.44	117.05 LT
	W20-14A	1154+23.02	144.81 LT
	W20-14	1154+66.91	111.14 LT

NON-IMPACTED WETLANDS			
AREA	POINT	STATION	OFFSET
NA Flag 4	Flag 4-1	1132+42.33	142.52 LT
	Flag 4-2	1132+22.36	175.23 LT
	Flag 4-3	1131+82.82	165.45 LT
	Flag 4-4	1131+63.93	183.20 LT
	Flag 4-5	1131+48.80	205.77 LT
	Flag 4-6	1131+66.56	243.33 LT
	Flag 4-7	1131+64.33	274.95 LT
	Flag 4-8	1131+80.22	299.38 LT
	Flag 4-9	1131+62.11	329.12 LT
	Flag 4-20	1133+95.30	238.25 LT
	Flag 4-20A	1134+18.69	149.32 LT
	Flag 4-21	1134+15.40	135.36 LT
	Flag 4-4A	1132+45.54	141.93 LT
	Flag 4-4B	1133+00.00	146.75 LT
	Flag 4-4C	1134+00.00	138.75 LT

WETLAND IMPACTS (EXCAVATION)				
AREA	POINT	STATION	OFFSET	AREA (ACRES)
A18A	W18-2	1109+17.89	95.24 LT	
	W18-2A	1109+18.81	89.75 LT	
	W18-7B	1110+32.12	109.30 LT	
	W18-7C	1110+00.00	107.54 LT	
	W18-7D	1110+00.00	87.79 LT	
				0.037

WETLAND IMPACTS (FILL)				
AREA	POINT	STATION	OFFSET	AREA (ACRES)
A18	W18-2A	1109+18.81	89.75 LT	
	W18-7D	1110+00.00	87.79 LT	
	W18-7C	1110+00.00	107.54 LT	
	W18-7E	1110+30.00	101.47 LT	
	W18-1C	1110+30.00	94.00 LT	
	W18-7A	1110+64.56	94.00 LT	
	W18-7	1110+71.31	59.53 LT	
	W18-6	1110+49.30	16.59 LT	
	W18-5	1110+30.07	28.29 LT	
	W18-4	1109+61.78	27.12 LT	
	W18-3	1109+26.81	43.37 LT	
				0.217
A20A	W20-13B	1156+50.00	110.00 LT	
	W20-13A	1154+70.35	110.00 LT	
	W20-13	1155+25.24	90.71 LT	
	W20-12	1156+76.47	97.16 LT	
	W20-11A	1157+23.59	46.10 LT	
	W20-11B	1157+19.05	69.58 LT	
	W20-11C	1157+09.65	84.58 LT	
	W20-13C	1156+86.60	104.27 LT	
				0.078
A20B	W20-11	1157+36.20	31.73 LT	
	W20-10	1156+46.13	33.39 LT	
	W20-9	1155+31.11	29.63 LT	
	W20-8	1154+76.35	51.77 LT	
	W20-7	1154+89.02	31.98 LT	
	W20-6	1155+31.57	21.43 LT	
	W20-5	1157+47.81	19.59 LT	
				0.060

TEMPORARY WETLAND IMPACTS				
AREA	POINT	STATION	OFFSET	AREA (ACRES)
A20	W20-1A	1157+55.36	104.00 RT	
	W20-1B	1158+00.00	104.00 RT	
	W20-15A	1159+10.06	104.00 RT	
	W20-16	1159+06.23	95.66 RT	
	W20-17	1158+82.38	59.56 RT	
	W20-18	1158+68.12	11.57 RT	
	W20-19	1159+19.16	98.95 LT	
	W20-19A	1159+22.04	102.00 LT	
	W20-13E	1158+00.00	102.00 LT	
	W20-13D	1157+00.00	102.00 LT	
	W20-13C	1156+86.60	104.27 LT	
	W20-11C	1157+09.65	84.58 LT	
	W20-11B	1157+19.05	69.58 LT	
	W20-11A	1157+23.59	46.10 LT	
	W20-11	1157+36.20	31.73 LT	
	W20-5	1157+47.81	19.59 LT	
	W20-4	1157+69.07	6.63 RT	
	W20-3	1157+66.84	58.03 RT	
	W20-2	1157+61.72	95.30 RT	
				0.677
A18B	W18-1A	1109+44.72	122.00 LT	
	W18-1B	1110+30.00	122.00 LT	
	W18-7E	1110+30.00	101.47 LT	
	W18-7C	1110+00.00	107.54 LT	
	W18-7B	1110+32.12	109.30 LT	
				0.034

WETLAND IMPACTS (FILL)				
AREA	POINT	STATION	OFFSET	AREA (ACRES)
Flag 4	Flag 4-21	1134+15.40	135.36 LT	
	Flag 4-22	1134+05.77	94.49 LT	
	Flag 4-23	1133+72.98	98.83 LT	
	Flag 4-24	1133+23.62	129.38 LT	
	Flag 4-4A	1132+45.54	141.93 LT	
	Flag 4-4B	1133+00.00	146.75 LT	
	Flag 4-4C	1134+00.00	138.75 LT	
				0.089

All wetlands shown on this sheet are part of a binding jurisdictional determination, except the wetland flagged as "Flag 4-".

= Impacted Wetlands (Fill)

= Impacted Wetlands (Excavation)

= Temp. Wetland Impacts

= Non-Impacted Wetlands

RECEIVED JUL 11 2012 NAVIGABLE

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ECDriver & Associates
1983 CENTRE POINTE BLVD. SUITE 104
TALLAHASSEE, FL 32308-7823
CERT. OF AUTH. #3838

ENGINEER OF RECORD: Clark L. Stephens, P.E.
P.E. NO. 54867

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

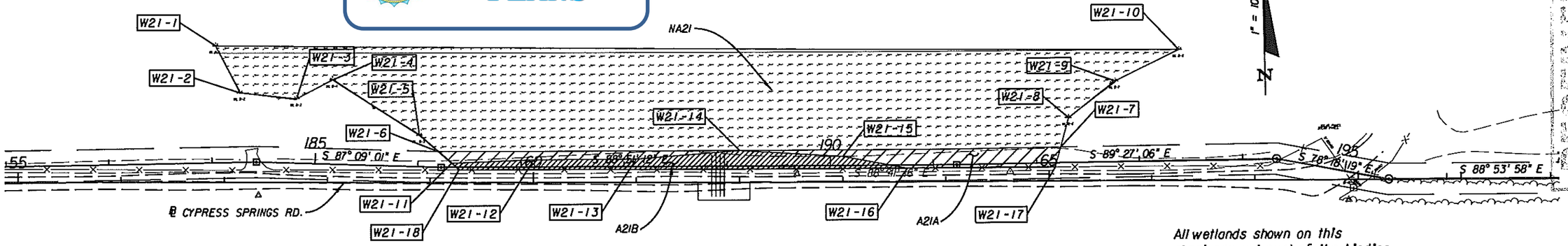
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

WETLAND DELINEATION

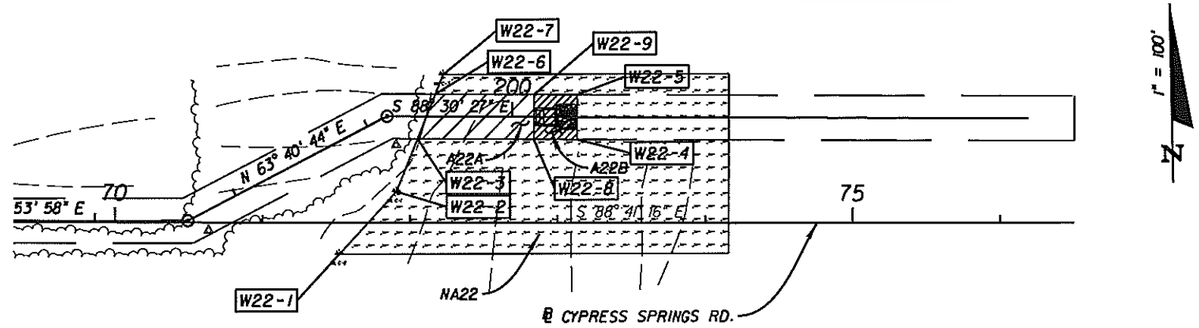
SHEET NO. 145

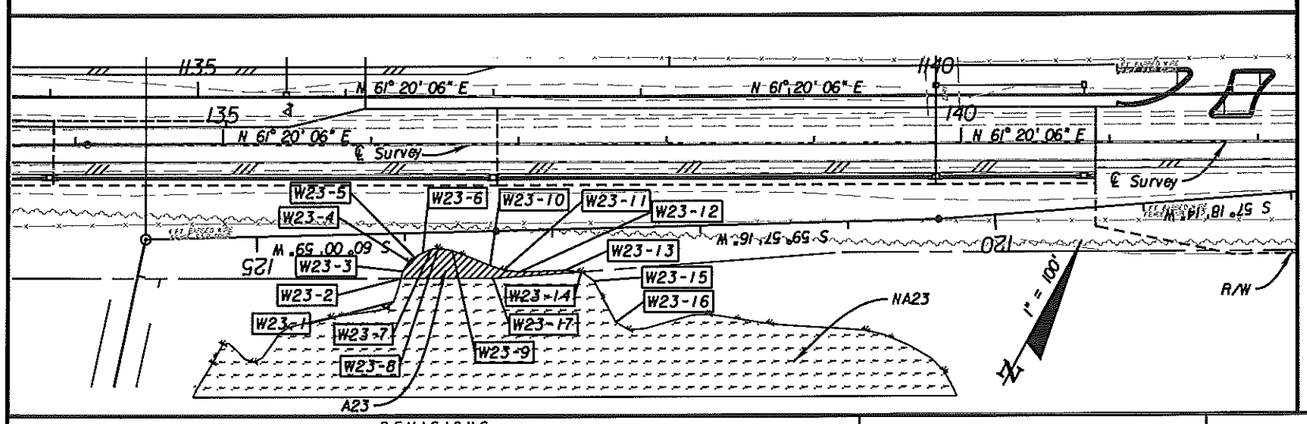
FOR PERMIT USE ONLY

PERMITTED PLANS



All wetlands shown on this sheet are not part of the binding jurisdictional determination.





CALL OUTS ARE BASED ON ℄ CYPRESS SPRINGS RD. UNLESS OTHERWISE NOTED

NON-IMPACTED WETLANDS			
AREA	POINT	STATION	OFFSET
NA21	W21-1	56+90.71	131.08 LT
	W21-2	57+14.73	85.92 LT
	W21-3	57+69.75	80.34 LT
	W21-4	58+04.55	98.44 LT
	W21-5	58+89.32	45.39 LT
	W21-6	59+07.33	29.82 LT
	W21-7	65+11.21	32.52 LT
	W21-8	65+18.86	60.67 LT
	W21-9	65+64.10	95.65 LT
	W21-10	66+26.30	125.62 LT
NA22	W22-1	71+52.23	20.98 RT
	W22-2	71+90.52	20.92 LT
	W22-3	72+04.64	56.38 LT
	W22-4	73+13.10	56.04 LT
	W22-5	73+13.20	86.04 LT
	W22-6	72+16.56	86.34 LT
	W22-7	72+21.79	99.48 LT
NA23	W23-1	1136+32.63	137.51 RT
	W23-2	1136+37.58	122.00 RT
	W23-17	1137+00.0	122.00 RT
	W23-14	1137+59.83	117.63 RT
	W23-15	1137+68.63	123.81 RT
	W23-16	1137+83.27	151.43 RT

TEMPORARY WETLAND IMPACTS				
AREA	POINT	STATION	OFFSET	AREA (ACRES)
A21A	W21-6	59+07.33	29.82 LT	
	W21-11	59+20.51	18.42 LT	
	W21-12	60+00.00	21.82 LT	
	W21-13	61+00.00	22.46 LT	
	W21-14	62+00.00	30.56 LT	
	W21-15	63+00.00	24.62 LT	
	W21-16	63+62.86	13.01 LT	
	W21-17	65+05.97	13.27 LT	
	W21-7	65+11.21	32.52 LT	
				0.133
A22A	W22-3	72+04.64	56.38 LT	
	W22-8	72+83.77	56.13 LT	
	W22-9	72+83.86	86.13 LT	
	W22-6	72+16.56	86.34 LT	
				0.050

WETLAND IMPACTS (FILL)				
AREA	POINT	STATION	OFFSET	AREA (ACRES)
A21B	W21-11	59+20.51	18.42 LT	
	W21-12	60+00.00	21.82 LT	
	W21-13	61+00.00	22.46 LT	
	W21-14	62+00.00	30.56 LT	
	W21-15	63+00.00	24.62 LT	
	W21-16	63+62.86	13.01 LT	
	W21-18	59+27.69	12.21 LT	
				0.110
A22B	W22-8	72+83.77	56.13 LT	
	W22-4	73+13.10	56.04 LT	
	W22-5	73+13.20	86.04 LT	
	W22-9	72+83.86	86.13 LT	
				0.020
A23*	W23-2	1136+37.58	122.00 RT	
	W23-3	1136+38.91	117.15 RT	
	W23-4	1136+43.04	110.51 RT	
	W23-5	1136+46.73	107.72 RT	
	W23-6	1136+52.48	104.66 RT	
	W23-7	1136+58.46	102.28 RT	
	W23-8	1136+62.96	101.56 RT	
	W23-9	1136+72.42	103.25 RT	
	W23-10	1136+98.00	113.39 RT	
	W23-11	1137+07.33	116.36 RT	
	W23-12	1137+18.12	117.63 RT	
	W23-13	1137+48.99	116.59 RT	
	W23-14	1137+59.83	117.63 RT	
	W23-17	1137+00.00	122.00 RT	
				0.025

*BASED ON ℄ CONST.

= Impacted Wetlands (Fill)

= Impacted Wetlands (Excavation)

= Temp. Wetland Impacts

= Non-Impacted Wetlands

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JUL 11 2012

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ECDriver & ASSOCIATES
1983 CENTRE POINTE BLVD.
SUITE 104
TALLAHASSEE, FL 32308-7823
CERT. OF AUTH. #3838

ENGINEER OF RECORD: Clark L. Stephens, P.E.
P.E. NO. 54867

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

WETLAND DELINEATION

SHEET NO. 146

FOR PERMIT USE ONLY

GENERAL NOTES

1. TRAFFIC CONTROL FOR THIS PROJECT SHALL COMPLY WITH THE LATEST EDITION OF THE FDOT DESIGN STANDARDS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AND THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. ALL STRIPING THAT CONFLICTS WITH TRAFFIC CONTROL STRIPING SHALL BE ADDRESSED ACCORDING TO STANDARD SPECIFICATION 102.
3. EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE REMOVED, STORED, AND REINSTALLED AS DIRECTED BY THE PROJECT ADMINISTRATOR. THE COST FOR REMOVING, STORING, AND REINSTALLING THE EXISTING SIGNS SHALL BE INCLUDED IN THE BID PRICE FOR PAY ITEM 102-1.
4. THERE ARE NO LANE CLOSURE RESTRICTIONS DUE TO EXISTING TRAFFIC VOLUMES.
5. PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGNS (PCMS) WITH SETUP "A" MESSAGES ARE TO BE USED FOR 7 DAYS BEFORE TRAFFIC CONTROL PHASES IA, II & III BEGIN. PCMS SETUP "B" MESSAGES ARE TO BE USED FOR 5 DAYS AFTER TRAFFIC CONTROL PHASES IA, II & III ARE IMPLEMENTED. SEE PLAN SHEETS FOR LOCATIONS.
6. ALL LANES MUST BE REOPENED TO NORMAL TRAFFIC WITHIN 12 HOURS OF NOTICE OF EVACUATION DUE TO A HURRICANE OR ANY OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY THE PROJECT ADMINISTRATOR.
7. MAINTAIN DRIVEWAY AND SIDE ROAD ACCESS DURING ALL PHASES PER STANDARD SPECIFICATION 102.
8. ALL TEMPORARY AND DIVERSION PAVEMENT SHALL BE CONSTRUCTED WITH A MINIMUM 2" ASPHALT SURFACE ON A FIRM, UNYIELDING, WELL COMPACTED SUBGRADE AS DESCRIBED IN THE FDOT SPECIFICATIONS, SECTION 102-6. IN addition, ALL TEMPORARY PAVEMENT THAT IS CONSTRUCTED ADJACENT TO THE EXISTING TRAVEL LANES SHALL MATCH THE EXISTING ROADWAY IN TERMS OF GRADE AND CROSS SLOPE.

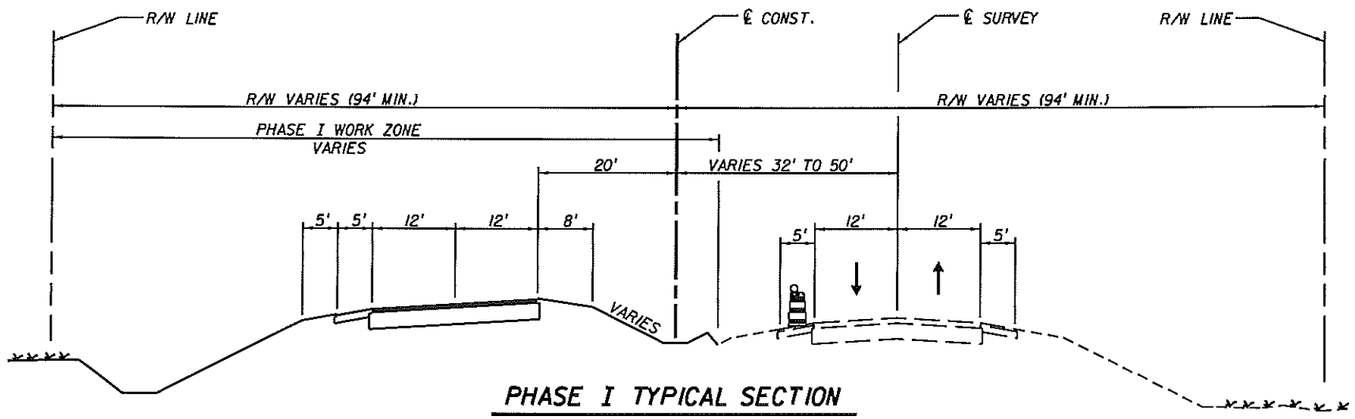
PCMS MESSAGES

SETUP "A"	SETUP "B"
NEW TRAFFIC PATTERN (MESSAGE 1)	NEW TRAFFIC PATTERN (MESSAGE 1)
BEGINS "DATE" (MESSAGE 2)	USE CAUTION (MESSAGE 2)

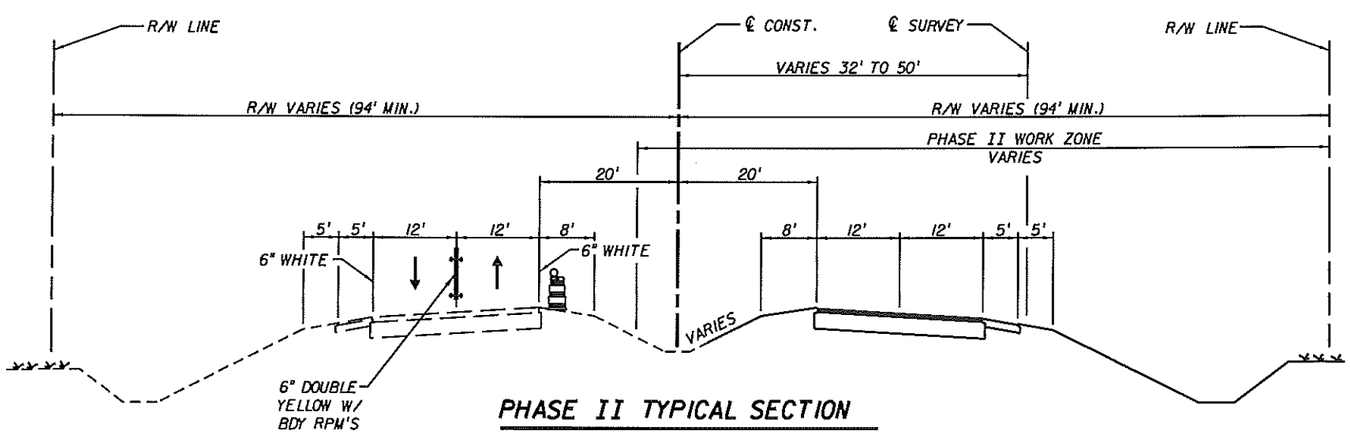
RPM LABEL LEGEND FOR TCP PLAN SHEETS

TEMP. BD Y/Y RPMs -	TEMPORARY BI-DIRECTIONAL YELLOW/YELLOW RAISED PAVEMENT MARKERS
TEMP. BD Y/R RPMs -	TEMPORARY BI-DIRECTIONAL YELLOW/RED RAISED PAVEMENT MARKERS
TEMP. BD W/R RPMs -	TEMPORARY BI-DIRECTIONAL WHITE/RED RAISED PAVEMENT MARKERS

PERMITTED PLANS



PHASE I TYPICAL SECTION



PHASE II TYPICAL SECTION

PHASE I

1. THE POSTED SPEED LIMIT SHALL BE 55 MPH FOR PHASE I.
2. INSTALL ADVANCE WARNING SIGNS AND TRAFFIC CONTROL DEVICES WITH REFERENCE TO STANDARD INDEX 640 AND AS SHOWN IN THE PHASE I PLANS.
3. INSTALL EROSION CONTROL DEVICES FOR PHASE I.
4. MAINTAIN TWO-LANE, TWO-WAY TRAFFIC ON THE EXISTING FACILITY.
5. EXISTING DITCH GRADES AND CROSS DRAIN FLOW DIRECTIONS ARE TO BE MAINTAINED DURING PHASE I CONSTRUCTION.
6. WORKING FROM DOWNSTREAM TO UPSTREAM, CONSTRUCT PROPOSED STORMWATER MANAGEMENT FACILITIES, POND OUTFALLS, TEMPORARY STRUCTURE 3-T AND DRAINAGE AS SHOWN. UTILIZING LANE CLOSURES, CONSTRUCT POND PROPOSED INFALL PIPES. PARTIALLY CONSTRUCT CROSS DRAINS AS SHOWN IN THE PHASE I TRAFFIC CONTROL PLANS.
7. CONSTRUCT PROPOSED SOUTHBOUND ROADWAY (EXCEPT FRICTION COURSE), DRAINAGE, SOUTHBOUND BRIDGE AND PARTIAL MEDIAN AS SHOWN IN THE PHASE I TYPICAL SECTION AND PLANS.
8. INSTALL TEMPORARY PAVEMENT MARKINGS ON THE NEW SOUTHBOUND ROADWAY AS SHOWN IN THE PHASE II TRAFFIC CONTROL PLANS.
9. UTILIZING LANE CLOSURES AS NECESSARY CONSTRUCT DIVERSION I AS SHOWN IN PHASE I TRAFFIC CONTROL PLANS AND STRIPE DIVERSION I AS SHOWN IN THE PHASE II PLANS.
10. INSTALL TEMPORARY PAVEMENT AND STRIPE AS SHOWN IN THE PHASE IA TRAFFIC CONTROL PLANS.
11. INSTALL PAVEMENT MARKINGS FOR THE NORTHBOUND LANE SHIFT AS SHOWN IN THE PHASE IA TRAFFIC CONTROL PLANS.

PHASE IA

1. MAINTAINING ADVANCE & SIDE ROAD WARNING SIGNS, SHIFT TRAFFIC TO THE PHASE IA TRAFFIC PATTERN. COMPLETE THE REMAINDER OF THE INSIDE SOUTHBOUND LANE AND CONSTRUCT THE NEW NORTHBOUND INSIDE LANE (EXCEPT FOR FRICTION COURSE). INSTALL THE TEMPORARY NORTHBOUND MEDIAN CROSSING PAVEMENT.
2. INSTALL PAVEMENT MARKINGS FOR THE TEMPORARY MEDIAN CROSSING AS SHOWN IN THE PHASE II TRAFFIC CONTROL PLANS.

PHASE II

1. THE POSTED SPEED LIMIT SHALL BE 55 MPH FOR PHASE II.
2. INSTALL ADVANCE WARNING SIGNS AND TRAFFIC CONTROL DEVICES AS SHOWN IN THE PHASE II PLANS.
3. SHIFT TRAFFIC TO PHASE II TRAFFIC PATTERN.
4. MAINTAIN CURRENT EROSION CONTROL DEVICES AND INSTALL EROSION CONTROL DEVICES FOR PHASE II.
5. CONSTRUCT NORTHBOUND ROADWAY (WITHOUT FRICTION COURSE), DRAINAGE, NORTHBOUND BRIDGE, LANE TRANSITION AND MEDIAN AS SHOWN IN THE PHASE II PLANS.
6. INSTALL TEMPORARY PAVEMENT MARKINGS ON THE NEW NORTHBOUND ROADWAY AS SHOWN IN THE SIGNING AND PAVEMENT MARKING PLANS, EXCEPT FOR THE LANES IN USE FOR THE TEMPORARY MEDIAN CROSSING AT THE BEGINNING OF THE PROJECT. ALSO INSTALL TEMPORARY PAVEMENT MARKINGS ON THE FINAL SOUTHBOUND LANE TRANSITION NEAR THE END OF THE PROJECT AS SHOWN IN THE SIGNING AND PAVEMENT MARKING PLANS.
7. COMPLETE STRIPING FOR THE NORTHBOUND ROADWAY AS SHOWN IN THE SIGNING AND PAVEMENT MARKING PLANS. INSTALL THE FINAL SIGNING (EXCEPT FOR THE 60 MPH SIGNS) AS SHOWN IN THE SIGNING AND PAVEMENT MARKING PLANS. SEE PHASE III SIGNING DETAIL FOR SPEED LIMIT SIGN PLACEMENT LOCATIONS.

PHASE III

1. THE POSTED SPEED LIMIT SHALL BE 55 MPH FOR PHASE III.
2. INSTALL ADVANCE WARNING SIGNS AS SHOWN ON THE PHASE III SIGNING DETAIL SHEET.
3. SHIFT NORTHBOUND TRAFFIC TO THE FINAL CONFIGURATION AND SHIFT SOUTHBOUND TRAFFIC FROM DIVERSION I TO THE SOUTHBOUND LANE TRANSITION.
4. REMOVE THE TEMPORARY MEDIAN CROSSING AT THE BEGINNING OF THE PROJECT AND COMPLETE THE FINAL MEDIAN SLOPES. ALSO REMOVE DIVERSION I AND INSTALL TURF OVER THE AREA.
5. REFERENCING INDEX 613, MILL AND RESURFACE THE EXISTING ROADWAYS AS SHOWN ON THE "MILLING AND RESURFACING DETAILS" SHEET. ALSO INSTALL THE FRICTION COURSE ON THE NEW ROADWAY. INSTALL FINAL PAVEMENT MARKINGS AND FINAL 60 MPH SIGNS AS SHOWN IN SIGNING AND PAVEMENT MARKING PLANS.
6. REMOVE TRAFFIC CONTROL SIGNING AND EROSION CONTROLS DEVICES AS DIRECTED BY THE PROJECT ADMINISTRATOR.

JUL 11 2012

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ECDriver ASSOCIATES 1983 CENTRE POINTE BLVD. SUITE 104 TALLAHASSEE, FL 32308-7823 CERT. OF AUTH. #3838

ENGINEER OF RECORD: Donald S. Padgett, P.E. P.E. NO. 53201

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

TCP - TYPICAL SECTIONS AND PHASING NOTES

SHEET NO. 147

FOR PERMIT USE ONLY

INDEX OF SHEETS

B-1	Index of Sheets, General Notes, Bid Item Notes & Surface Finish Detail
	BRIDGE No. 610151
B1-1	General Plan and Elevation
B1-2	Bridge Hydraulic Recommendations
B1-3	Foundation Layout
B1-4	Slope Protection Details (Drawing 1 of 2)
B1-5	Slope Protection Details (Drawing 2 of 2) Reinforcing List
	BRIDGE No. 610086 (Existing Bridge Deck Replacement)
B2-1	General Plan and Elevation

PERMITTED PLANS

BID ITEM NOTES

1. For summary of Bridge Pay Items, see SUMMARY OF PAY ITEMS sheets in the Roadway Plans.
2. Payment for incidental items not specifically covered in the individual Bid Items shall be included in the Contract Unit Price for the Bid Items.
3. Bid Item No. 400-9 includes Slab Grooving of the 2'-0" exposed finished concrete on each of the Approach Slabs.
4. The cost of the scuppers shall be included in the contract unit price for Superstructure Concrete, Pay Item Number 400-4-4.
5. Bid Item No. 400-143 shall be used for coating existing structure per the SURFACE FINISH DETAIL, this sheet.
6. Bid Item No. 110-3 REMOVAL OF EXISTING STRUCTURE includes 14,125 SF of Bridge Deck and 1,884 SF of Approach Slab and the Traffic Railing Barrier within these limits.
7. The price and payment for Bid Item 455-146 EMBEDDED DATA COLLECTOR shall be full compensation for furnishing and installing the Embedded Data Collectors.
8. Bid Item No. 530-1 shall include the cost of #4 rebar driven through sand-cement riprap. See SLOPE PROTECTION DETAILS sheet for details.

GENERAL NOTES

GENERAL SPECIFICATIONS: Florida Department of Transportation "Standard Specifications for Road and Bridge Construction" (2007 edition), and supplements thereto.

DESIGN SPECIFICATIONS: American Association of State Highway and Transportation Officials (AAHSTO) LRFD Bridge Design Specifications (3rd edition) and approved Interims as specified in the Structures Design Guidlines.

FDOT "Structures Design Guidelines for Load and Resistance Factor Design" Effective January 2008, FDOT Design Standards 2008 and FDOT Plans Preparation Manual effective January 2007.

DESIGN METHOD: Load and Resistance Factor Design (LRFD).

DESIGN LOADING: HL 93.

FUTURE WEARING SURFACE: Design includes no allowance for future wearing surface. Deck thickness and top cover include ½" allowance for grooving and planing.

EARTHQUAKE: The length of bearings at End Bents meets the requirements for AASHTO Section 4.7.4.4 and Section 2.3 of the Structures Design Guidelines.

STAY-IN-PLACE METAL FORMS: SIP forms are allowed for Bridge 610151, design allowance is 20 psf.
SIP forms for Bridge 610086 shall have flutes covered with a 20 gage metal cover, design allowance is 8 psf.

CONCRETE: All concrete shall be in accordance with Section 346.

CONCRETE CLASS	Min. 28-day Comp. Strength (PSI)	LOCATION
IV	5500	Substructure
IV	5500	Traffic Railing Barrier
V	6500	AASHTO Type III Prestressed Beams
IV	5500	Superstructure
II (Bridge Deck)	4500	Approach Slabs (CIP)
V (Special)	6000	Prestressed Concrete Piles

REINFORCING STEEL: All reinforcing steel shall be ASTM A615, Grade 60.

ENVIRONMENT: Substructure: Moderately Aggressive
Superstructure: Slightly Aggressive

CONCRETE COVER: Concrete cover shown in the plans does not include reinforcement placement and fabrication tolerances unless shown as "minimum cover". See FDOT Standard Specifications for allowable reinforcement placement tolerances.

CONCRETE SURFACE FINISH: All exposed surfaces of end bents and interior bents, the inside and outside faces and top of concrete Traffic Railing Barrier, deck slab coping, and soffit receive a "Class 5 Applied Finish Coating". See details this sheet.

DISTRIBUTION VALUES: Live Load Distribution values per AASHTO LRFD:
Bridge 610151
Interior Beam (M=0.806, V=0.942)
Exterior Beam (M=0.917, V=0.917)
Bridge 610086 (Existing Beams)
Interior Beam (M=0.914, V=1.001)
Exterior Beam (M=0.968, V=0.956)

SCOUR: Scour has been considered in the design of the Pile Foundation. (Refer to the Pile Data Table on Foundation Layout Sheet.)

UTILITIES: For utility information, see Roadway Plans.

BEARING PADS: Bearing Pads shall be AASHTO Type III Beam Type B Pad. See FDOT Standard Index No. 20500.

GENERAL NOTES

SCREEDING DECK SLABS: Screed the riding surface of the Bridge Deck and Approach Slabs to achieve the Finish Grade Elevations shown in the Plans. Account for theoretical deflections due to deck self weight, deck casting sequence, deck forming systems, construction loads, overlays and temporary shoring, ect. as required.

PLAN DIMENSIONS: All dimensions in these plans are measured in feet either vertically or horizontally unless otherwise noted.

DIMENSION VERIFICATION: The dimensions and intersection angles shown are based on information as detailed in the Original Construction Plans of the existing bridges (unless noted otherwise), and may not represent the as-built conditions. It is the Contractor's responsibility to verify this data before beginning construction.

EXISTING BRIDGE DECK REMOVAL: The existing deck, approach slabs, and traffic barriers shall be removed by the Contractor. Avoid damage to the remaining structure and reinforcing. Notify the Engineer of any damage occuring to the existing beams, reinforcing, diaphragm or other structural elements. Any damage occuring to the existing structure shall be repaired by the Contractor as directed by the Department at no additional cost to the Department.

MATERIALS REMOVAL: Demolition and removal of the existing structure shall be accomplished avoiding impacts to wetlands. This will require the Contractor to adhere to all requirements of the environmental permits and avoid placing any construction debris within the waterway or wetland areas. The Contractor will be responsible to retain debris prior to the debris falling into the waterway and wetland areas. Any debris in the waterway or wetland areas shall be immediately removed.

MAINTENANCE OF TRAFFIC: For Maintenance of Traffic Notes see Roadway Plans.

DATUM: The Bench Mark Datum for this project is NAVD 1988.

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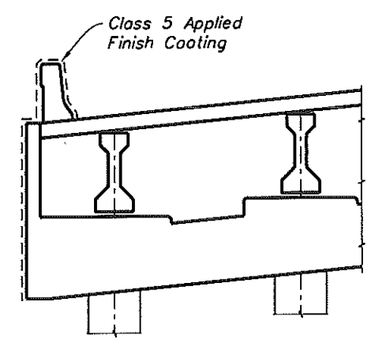
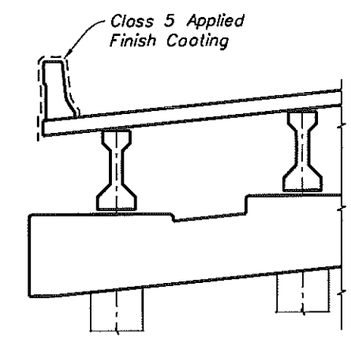


SURFACE FINISH DETAIL
END BENT



SURFACE FINISH DETAIL
INTERMEDIATE BENT

Bridge Nos. 610086 & 610151

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

	NAMES	DATES
DRAWN BY	REC	6/07
CHECKED BY	RW	9/08
DESIGNED BY	REB	6/07
CHECKED BY	REC	6/07
APPROVED BY	Timothy J. Farrell	

ENGINEER OF RECORD:
ECDriver
500 N. Westshore Blvd., Suite 500
Tampa, Florida 33609
Certificate of Authorization No. 3838
Timothy J. Farrell, P.E.
P.E. No. 37264

FLORIDA DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-7-52-01

SHEET TITLE: INDEX OF SHEETS, GENERAL NOTES, BID ITEM NOTES & SURFACE FINISH DETAIL

PROJECT NAME: STATE ROAD 79 OVER CYPRESS CREEK

SHEET NO. B-1

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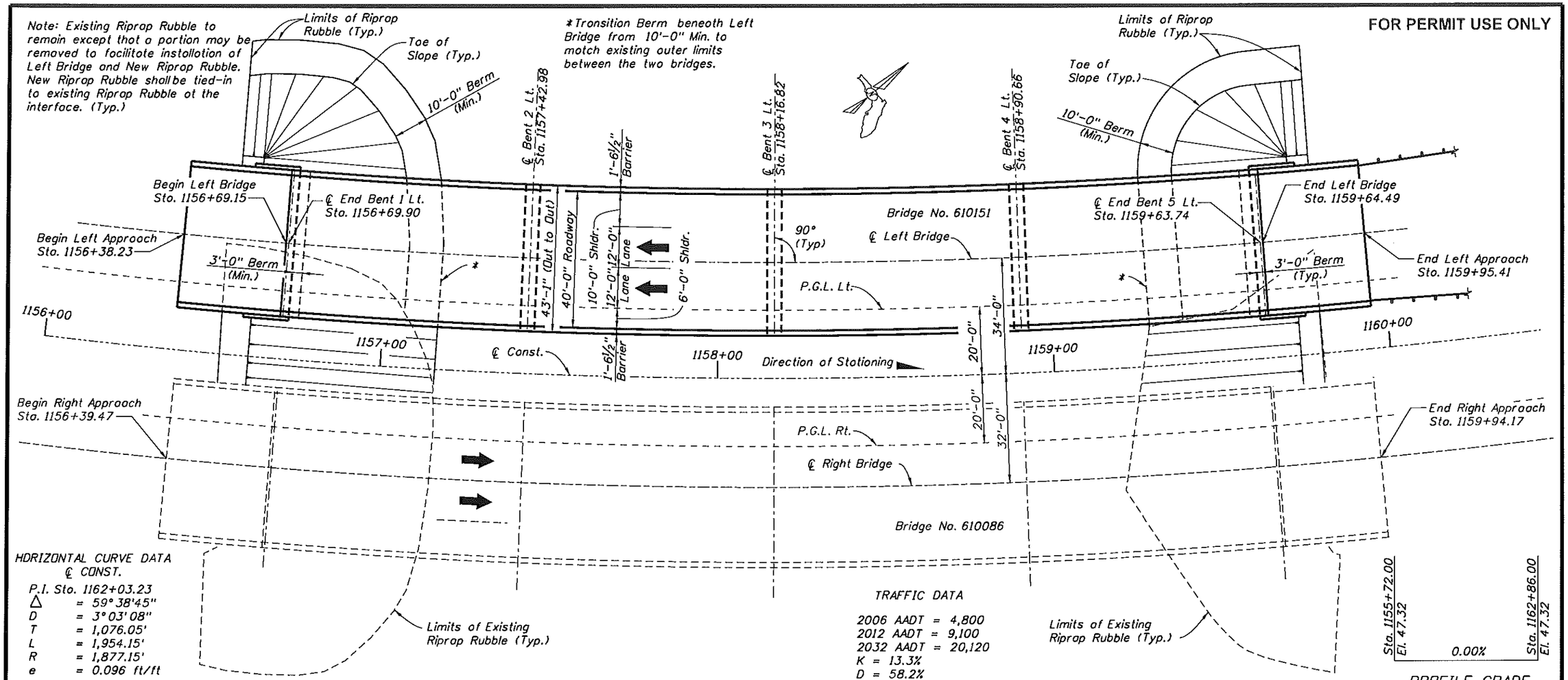
Note: Existing Riprap Rubble to remain except that a portion may be removed to facilitate installation of Left Bridge and New Riprap Rubble. New Riprap Rubble shall be tied-in to existing Riprap Rubble at the interface. (Typ.)



HORIZONTAL CURVE DATA
℄ CONST.

P.I. Sta. 1162+03.23
Δ = 59°38'45"
D = 3°03'08"
T = 1,076.05'
L = 1,954.15'
R = 1,877.15'
e = 0.096 ft/ft

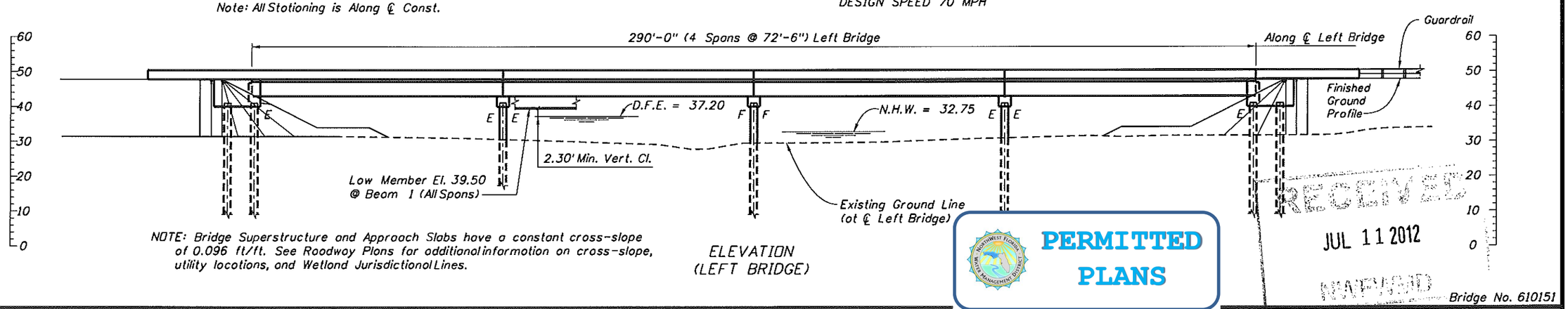
TRAFFIC DATA

2006 AADT = 4,800
2012 AADT = 9,100
2032 AADT = 20,120
K = 13.3%
D = 58.2%
T = 8.3%
DESIGN SPEED 70 MPH

PLAN

Note: All Stationing is Along ℄ Const.

PROFILE GRADE



NOTE: Bridge Superstructure and Approach Slabs have a constant cross-slope of 0.096 ft/ft. See Roadway Plans for additional information on cross-slope, utility locations, and Wetland Jurisdictional Lines.

ELEVATION
(LEFT BRIDGE)

PERMITTED PLANS

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MAPPED

Bridge No. 610151

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REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

	NAMES	DATES
DRAWN BY	REC	6/07
CHECKED BY	RW	9/08
DESIGNED BY	REB	6/07
CHECKED BY	REC	6/07
APPROVED BY	Timothy J. Farrell	

ENGINEER OF RECORD:
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500 N. Westshore Blvd., Suite 500
Tampa, Florida 33609
Certificate of Authorization No. 3838
Timothy J. Farrell, P.E.
P.E. No. 37264

FLORIDA DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-7-52-01

SHEET TITLE: GENERAL PLAN AND ELEVATION

PROJECT NAME: STATE ROAD 79 OVER CYPRESS CREEK

SHEET NO. B1-1

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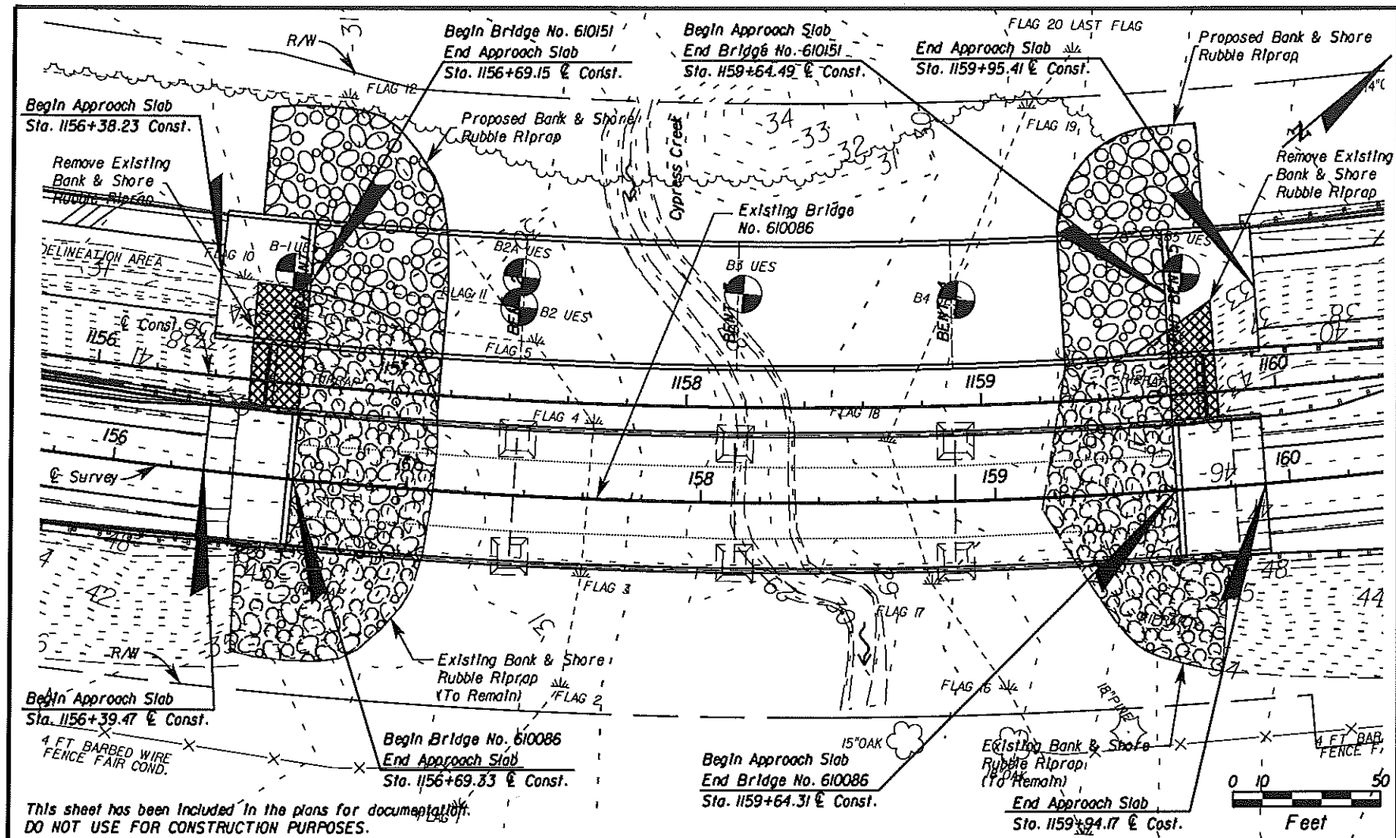
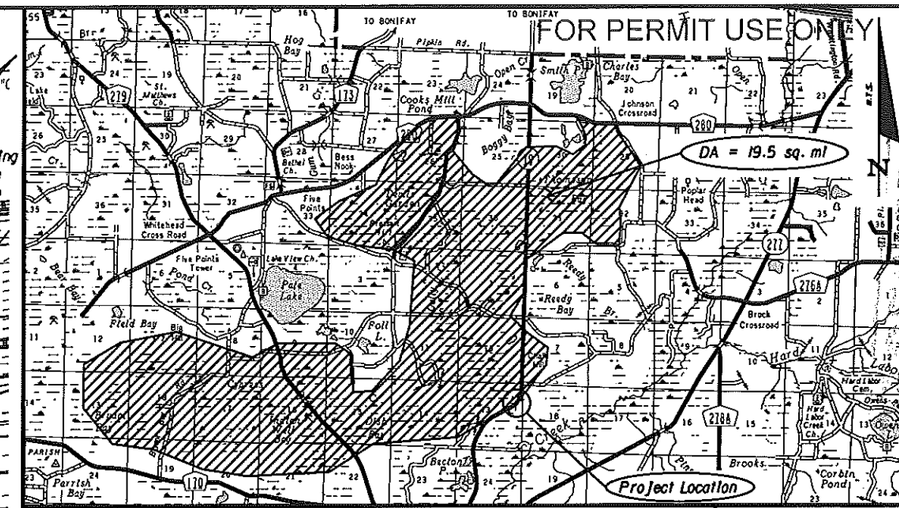


This sheet has been included in the plans for documentation.
DO NOT USE FOR CONSTRUCTION PURPOSES.



(REFERENCE)	(1)	(2)	(3)	(4)	PROPOSED STRUCTURE
FOUNDATION	CONC.				CONC.
OVERALL LENGTH	300' *				290' *
SPAN LENGTH	75'				72.5'
TYPE CONSTRUCTION	CONC.				CONC.
AREA OF OPENING @ D.F.	1757 SF				1719 SF
BRIDGE WIDTH	47' 1"				43' 1"
ELEV. LOW MEMBER	39.2'				39.2'

EXISTING STRUCTURES

PERMITTED PLANS

HYDRAULIC DESIGN DATA

NOTE:
The hydraulic data is shown for informational purposes only to indicate the flood discharges and water surface elevations which may be anticipated in any given year. This data was generated using highly variable factors determined by a study of the watershed. Many judgements and assumptions are required to establish these factors. The resultant hydraulic data is sensitive to changes, particularly antecedent conditions, urbanization, channelization and land use. Users of this data are cautioned against the assumption of precision which cannot be obtained.

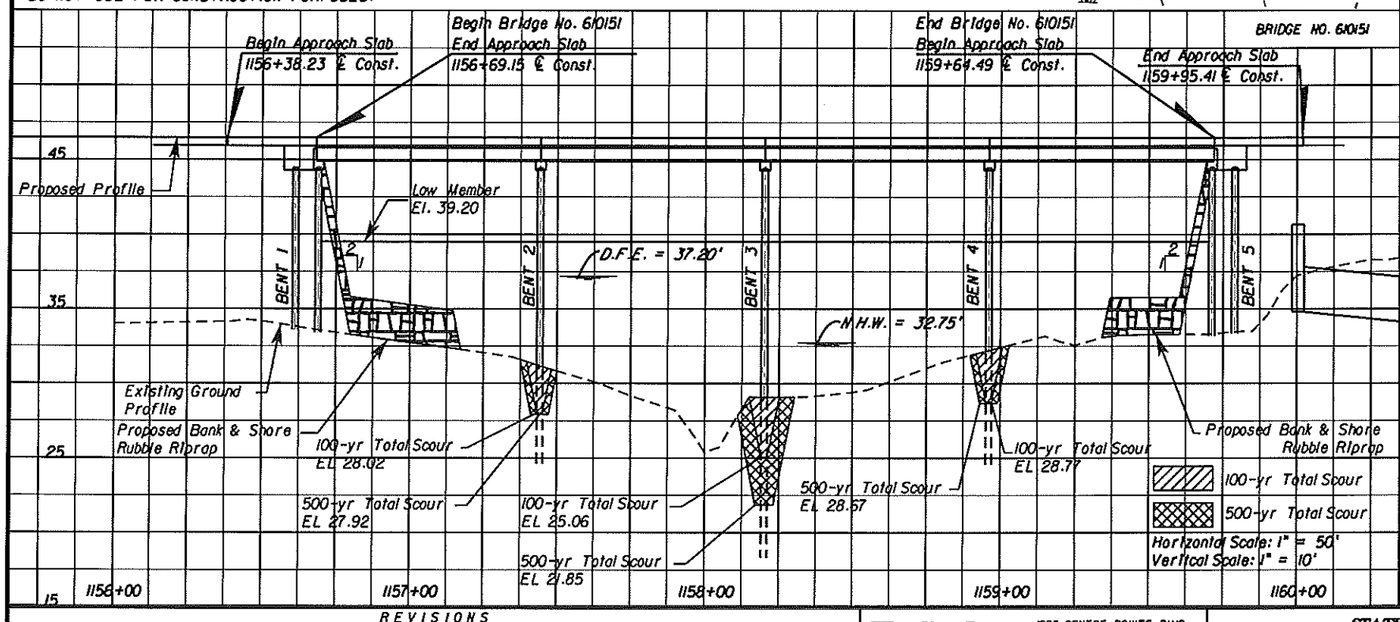
TERMS:
Design Flood: Utilized to assure a desired level of hydraulic performance.
Base Flood: Has a 1% chance of being exceeded in any given year (100 year frequency)
Overtopping Flood: Causes flow over the highway, over a watershed divide, or thru emergency relief structures.
Greatest Flood: The most severe that can be predicted where overtopping is not practicable.

WATER SURFACE ELEVATIONS: N.H.W. (Non-Tidal) 32.75 M.H.W. (Tidal) N/A
CONTROL (Non-Tidal) N/A M.L.W. (Tidal) N/A

FLOOD DATA:	MAX. EVENT OF RECORD	DESIGN FLOOD	BASE FLOOD	☐ OVERTOPPING or ☒ GREATEST FLOOD
STAGE ELEV. NGVD (ft)	N/A	37.20	38.79	41.93
DISCHARGE (cfs)	N/A	1606	1890	2622
AVERAGE VELOCITY (f/s)	N/A	0.95	0.88	1.15
EXCEEDANCE PROB. (%)	N/A	2	1	0.2
FREQUENCY (yr.)	N/A	50	100	500

SCOUR PREDICTIONS FOR PROPOSED STRUCTURE DESCRIBED ABOVE:

PIER INFORMATION NUMBERS	SIZE AND TYPE	LONG TERM SCOUR ELEV.	TOTAL SCOUR ELEVATION WORST CASE < 100 yr. FREQ. (yr.) 100	WORST CASE < 500 yr. FREQ. (yr.) 500
2	24" SQUARE PSC PILE	31.25	28.02	27.92
3	24" SQUARE PSC PILE	29.40	25.06	21.85
4	24" SQUARE PSC PILE	32.00	28.77	28.67



HYDRAULIC RECOMMENDATIONS

1. BEGIN BRIDGE STATION 1156+69.15 END BRIDGE STATION 1159+64.49 SKEW ANGLE 0
2. CLEARANCE PROVIDED: NAV: HORIZ. N/A VERT. N/A ABOVE EL. N/A DRIFT: HORIZ. 72.5' VERT. 2.0' ABOVE EL. 37.2'
3. MINIMUM CLEARANCE: NAV: HORIZ. N/A VERT. N/A ABOVE EL. N/A DRIFT: HORIZ. 10' VERT. 2.0' ABOVE EL. 37.2'
4. ABUTMENTS:

	BEGIN BRIDGE	END BRIDGE
RUBBLE GRADE:	STANDARD RUBBLE	STANDARD RUBBLE
SLOPE:	1:2	1:2
BURIED OR NON-BURIED HORIZ. TOE:	NON-BURIED	NON-BURIED
TOE HORIZ. DISTANCE:	MATCH TO EXISTING EXTENT (37'±)	MATCH TO EXISTING EXTENT (26'±)
LIMIT OF PROTECTION:	15' BACK FROM BEGIN BRIDGE	15' AHEAD OF END BRIDGE

5. DECK DRAINAGE: 4" SCUPPERS @ 10' CENTER

REMARKS: THE EXISTING BRIDGE (#610086) IS TO REMAIN, BUT THE DECK WILL BE REPLACED. BENTS 1 & 5 ARE END BENTS AND WILL BE PROTECTED WITH STANDARD BANK & SHORE RUBBLE. THEREFORE NO SCOUR IS ANTICIPATED.
* BRIDGE LENGTHS ARE BASED ON THE ℄ RIGHT BRIDGE AND ℄ LEFT BRIDGE.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ECDriver & ASSOCIATES
1983 CENTRE POINTE BLVD. SUITE 104
TALLAHASSEE, FL 32308-7823
CERT. OF AUTH. #3838
ENGINEER OF RECORD: Luis E. Maldonado, P.E. P.E. NO. 45306

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-7-52-01

BRIDGE HYDRAULIC RECOMMENDATIONS

SHEET NO. BI-2

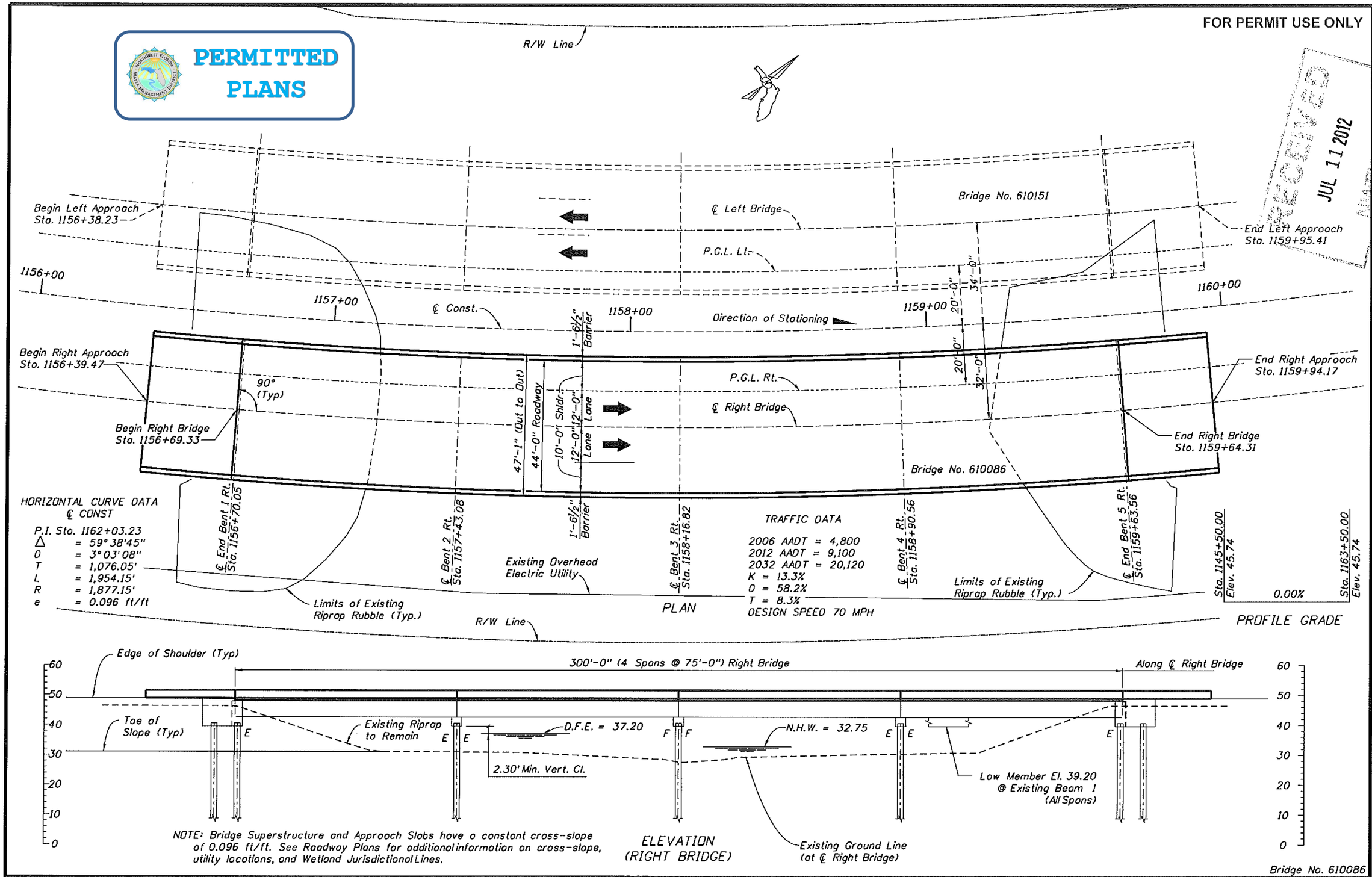
JUL 11 2012
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

FOR PERMIT USE ONLY

PERMITTED PLANS

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT

APPROVED JUL 11 2012



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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

	NAMES	DATES
DRAWN BY	RCC	12/06
CHECKED BY	RW	9/08
DESIGNED BY	REB	6/07
CHECKED BY	RCC	6/07
APPROVED BY	Timothy J. Farrell	

ENGINEER OF RECORD: ECDriver
500 N. Westshore Blvd., Suite 500
Tampa, Florida 33609
Certificate of Authorization No. 3838
Timothy J. Farrell, P.E.
P.E. No. 37264

FLORIDA DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-7-52-01

SHEET TITLE: GENERAL PLAN AND ELEVATION

PROJECT NAME: STATE ROAD 79 OVER CYPRESS CREEK

SHEET NO. B2-1

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