

Permit Number: SAJ-2011-03324 (SP-AAK)
Permittee: Florida Department of Transportation
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***Attachments to Department of the Army
Permit Number SAJ-2011-03324 (SP-AAK)***

1. Standard Protection Measures for the Eastern Indigo Snake, Revised February 12, 2004.
2. Water Quality Certification: 11 pages, Specific Conditions of the water quality permit/certification in accordance with General Condition number 5 on page 2 of this DA permit.
3. As-Built Certification by Professional Engineer Form.
4. Permit Drawings: 68 pages, dated September 21, 2012.

STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE

1. An eastern indigo snake protection/education plan shall be developed by the applicant or requestor for all construction personnel to follow. The plan shall be provided to the Service for review and approval at least 30 days prior to any clearing activities. The educational materials for the plan may consist of a combination of posters, videos, pamphlets, and lectures (*e.g.*, an observer trained to identify eastern indigo snakes could use the protection/education plan to instruct construction personnel before any clearing activities occur). Informational signs should be posted throughout the construction site and along any proposed access road to contain the following information:
 - a. a description of the eastern indigo snake, its habits, and protection under Federal Law;
 - b. instructions not to injure, harm, harass or kill this species;
 - c. directions to cease clearing activities and allow the eastern indigo snake sufficient time to move away from the site on its own before resuming clearing; and,
 - d. telephone numbers of pertinent agencies to be contacted if a dead eastern indigo snake is encountered. The dead specimen should be thoroughly soaked in water and then frozen.
2. If not currently authorized through an Incidental Take Statement in association with a Biological Opinion, only individuals who have been either authorized by a section 10(a)(1)(A) permit issued by the Service, or by the State of Florida through the Florida Fish Wildlife Conservation Commission (FWC) for such activities, are permitted to come in contact with an eastern indigo snake.
3. An eastern indigo snake monitoring report must be submitted to the appropriate Florida Field Office within 60 days of the conclusion of clearing phases. The report should be submitted whether or not eastern indigo snakes are observed. The report should contain the following information:
 - a. any sightings of eastern indigo snakes and
 - b. other obligations required by the Florida Fish and Wildlife Conservation Commission, as stipulated in the permit.

Revised February 12, 2004

**NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
INDIVIDUAL ENVIRONMENTAL RESOURCE PERMIT**

PERMIT NUMBER: 1238

DATE ISSUED: January 9, 2012

PROJECT NAME: SR 79 Multi-Lane Reconstruction, FPID#220773-5-52-01

CONSTRUCTION PHASE EXPIRATION DATE: January 9, 2017

A PERMIT AUTHORIZING:

The construction of a surface water management system that will serve the four-laning of a portion of State Road 79 approximately located from Potter Spring Road, through the town of New Hope, and to just north of Reedy Branch, in Washington County. This system will include the construction, operation and maintenance of six retention ponds and two wet detention ponds which will collectively manage the runoff from a 171.7 acre basin. For typical roadway sections throughout the project, runoff will sheetflow off of the improved roadways into grassy conveyances ditch and subsequently drains to a low-spot where piping directs the waters to one of the retention or detention ponds. The road widening project will impact a total of 1.28 acres of wetlands and surfaces waters. The impacts will not exceed 33,694 cubic yards of fill, 458 cubic yards of excavation, for 55,757 square feet of impacts. Mitigation to offset the 1.28 acres of authorized impacts will be provided through the purchase of mitigation credits from the Sand Hill Lakes Mitigation Bank pursuant to Section 373.4137, Florida Statutes.

LOCATION:

City: Vernon

County: Washington

Address: SR 79 from North of Mill Branch Road to North of CR 284

Section(s): 23

Township(s): 2N

Range(s): 16W

Latitude: 30° 30' 29" N

Longitude: 85° 49' 58" W

ISSUED TO:

Applicant

FDOT, District 3

1074 Highway 90

Chipley, FL 32428

Permittee agrees to hold and save the Northwest Florida Water Management District and its successors harmless from any and all damages, claims, or liabilities which may arise from permit issuance. Said application, including all plans and specifications attached thereto, is by reference made a part hereof.

This permit does not convey to any permittee any property rights nor any rights or privileges other than those specified herein, nor relieve the permittee from complying with any law, regulation or requirement affecting the rights of other bodies or agencies. All structures and works installed by permittee hereunder shall remain the property of the permittee.

This permit is issued pursuant to Part IV of Chapter 373, Florida Statute (F.S.), and Chapter 62-346, Florida Administrative Code, (F.A.C.), and may be revoked, modified or transferred at any time pursuant to the appropriate provisions of Chapter 373, Florida Statutes.

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This permit also constitutes certification compliance with water quality standards under Section 401 of the Clean Water Act, 33 U.S. Code 1341.

PERMIT IS CONDITIONED UPON:

See conditions on attached "Exhibit A", dated January 9, 2012
See conditions on attached "Exhibit B", dated January 9, 2012

AUTHORIZED BY: Northwest Florida Water Management District
Division of Resource Regulation

By:



Guy Gowens, Director, Division of Resource Regulation

Exhibit A
Specific Conditions

The following conditions are in addition to those listed in exhibit B, as provided for in subsection 62-346.381(2), Florida Administrative Code (F.A.C.).

General Specific Conditions

1. Once project construction has been deemed complete, including the re-stabilization of all side slopes, embankments, and other disturbed areas, and before the transfer to the Operation and Maintenance phase, all obsolete erosion control materials shall be removed.
2. Record-keeping. The permittee shall be responsible for keeping records documenting that relevant permit conditions are met. This documentation shall include, at a minimum, the date of each inspection, the name and qualifications of the inspector, any maintenance actions taken, and a determination by the inspector as to whether the system is operating as intended.

Karst Features

3. If unanticipated limestone formations are encountered during construction of the retention basins, or a sinkhole or solution cavity forms during construction, construction of the basin must be halted immediately and the District must be notified. Remedial action will be required. Note that because Pond 300 is the only system within the scope of this permit that is not located within a designated Sensitive Karst Area, it is not subject to this permit condition.
4. If during construction or operation of the stormwater management system, a structural failure is observed that has the potential to cause the direct discharge of surface water into the Floridan Aquifer System, corrective actions designed or approved by a registered professional shall be taken as soon as practical to correct the failure. A report prepared by a registered professional must be provided as soon as practical to the District for review and approval that provides reasonable assurance that the breach will be permanently corrected. Note that because Pond 300 is the only system within the scope of this permit that is not located within a designated Sensitive Karst Area, it is not subject to this permit condition.
5. The permittee must visually inspect all permitted stormwater systems at least annually for the occurrence of sinkholes and report routine inspection results at least every third year. Note that because Pond 300 is the only system within the scope of this permit that is not located within a designated Sensitive Karst Area, it is not subject to this permit condition.

Retention

6. Grassed areas of the retention system shall be fertilized only as needed to maintain vegetation, and shall be mowed regularly in order to be kept at a manageable length as required for system functionality, maintenance, and safety.
7. Percolation performance shall be evaluated within the pond at least every third year. If there is evidence of inadequate percolation, the pond bottom must be re-scarified or deep-raked to restore percolation characteristics. If reworking the pond bottom fails to restore adequate percolation, additional retention area restoration shall be performed as follows:

Exhibit A (cont'd)

- a. Remove the top layer of the retention area bottom material to a depth of 2 to 3 inches and scarify or deep-rake the excavated bottom.
- b. Replace excavated bottom material with suitably permeable material and restore the pond bottom to design grade.
8. The stormwater system shall be inspected periodically for accumulation of debris and trash. Accumulations of debris and trash that negatively affect the function of the system shall be removed upon discovery.
9. The stormwater system shall be inspected periodically for silt accumulation. Accumulations of silt that negatively affect the function of the system shall be removed.
10. The overflow weir and baffle shall be inspected at least every third year to confirm that it is free-flowing and clear of debris.
11. The stormwater management system shall be inspected by a registered professional at least every third year after the completion of construction and conversion of this permit to the Operation and Maintenance phase, to ensure that the system is functioning as designed and permitted. The Permittee shall submit to the District a completed inspection report on Form No 62-346.900(8) Operation and Maintenance Inspection Certification. The report must be submitted within 30 days of the third anniversary date of conversion to the Operation and Maintenance phase, and at 3 year intervals thereafter. However, a Report shall be submitted to the District within 30 days of any system failure or non-compliance with permit conditions.

Wet Detention

12. The weir and orifice shall be inspected to confirm that it is free-flowing and clear of debris.
13. Removing Silt Accumulations. The stormwater system shall be inspected periodically for silt accumulation. Accumulations of silt that negatively affect the function of the system shall be removed upon discovery.
14. Removing Trash & Debris. The wet detention area shall be inspected periodically for debris and trash built up around the discharge structures. Accumulations of debris and trash that negatively affect the function of the system shall be removed upon discovery.
15. Littoral Zone Not Required by This Permit. A planted littoral zone is allowable but is not a requirement of this permit. However, the permittee is required, to the extent practical, to maintain vegetation (i.e. grass) on the internal slopes of the pond for the purpose of slope stability. Other material methods of obtaining slope stability may replace this vegetated slope requirement.

Other Specific Conditions

16. All wetland areas or other surface waters that are outside the specific limits of construction must be protected from erosion, siltation, scouring, or excess turbidity, and dewatering.
17. Prior to construction, the limits of the proposed construction shall be demarcated (clearly flagged and/or staked); particularly in the areas adjacent to the wetland areas to remain undisturbed. All construction personnel shall be shown the locations of these areas outside the construction area to prevent encroachment from heavy equipment into these areas.

Exhibit A (cont'd)

18. Negative impacts to wetlands or surface waters as a result of construction shall be reported immediately to the Northwest Florida Water Management District, 800 Hospital Drive, Crestview, FL 32539, Phone No. (850) 683-5044. Corrective action shall be taken as soon as practicable to restore the impacted area.

Exhibit B

*Conditions for Issuance of an Individual Permit (Rule 62-346.301, F.A.C.),
Additional Conditions for Issuance of Individual and Conceptual Approval Permits
(Rule 62-346.302, F.A.C.), and
General and Special Limiting Conditions (Rule 62-346.381, F.A.C.).*
(all Rules Effective November 1, 2010)

62-346.301 Conditions for Issuance of Individual Permits.

- (1) In order to obtain an individual permit under this chapter, an applicant must provide reasonable assurance that the construction, alteration, operation, maintenance, removal, or abandonment of a surface water management system:
- (a) Will not cause adverse water quality impacts to receiving waters and adjacent lands;
 - (b) Will not cause adverse flooding to on-site or off-site property;
 - (c) Will not cause adverse impacts to existing surface water storage and conveyance capabilities;
 - (d) Will not adversely impact the value of functions provided to fish and wildlife and listed species by wetlands and other surface waters.
 - (e) Will not cause a violation of the water quality standards set forth in Chapters 62-4, 62-302, 62-520, 62-522, and 62-550, F.A.C., including the provisions of Rules 62-4.243, 62-4.244 and 62-4.246, F.A.C., the antidegradation provisions of paragraphs 62-4.242(1)(a) and (b), F.A.C., subsections 62-4.242(2) and (3), F.A.C., and Rule 62-302.300, F.A.C., and any special standards for Outstanding Florida Waters and Outstanding National Resource Waters set forth in subsections 62-4.242(2) and (3), F.A.C.;
 - (f) Will not cause adverse secondary impacts to the water resources and not otherwise adversely impact the maintenance of surface or ground water levels or surface water flows established pursuant to Section 373.042, F.S.
 - (g) Will be capable, based on generally accepted engineering and scientific principles, of being performed and of functioning as proposed;
 - (h) Will be conducted by an entity with the financial, legal and administrative capability of ensuring that the activity will be undertaken in accordance with the terms and conditions of the permit, if issued; and
 - (i) Will comply with any applicable special basin or geographic area criteria rules incorporated by reference in this chapter. When karst features exist on the site of a proposed stormwater management system, in addition to paragraphs (a) through (h) above, the applicant must provide reasonable assurance that untreated stormwater from the proposed system will not reach the Floridan Aquifer through sinkholes, solution pipes, or other karst features.
- (2) In instances where an applicant is unable to meet water quality standards because existing ambient water quality does not meet standards and the system will contribute to this existing condition, mitigation for water quality impacts can consist of water quality enhancement. In these cases, the applicant must implement mitigation measures that are proposed by or acceptable to the applicant that will cause net improvement of the water quality in the receiving waters for those parameters that do not meet standards.
- (3) In addition to the criteria in subsections 62-346.301(1) and (2), F.A.C., an applicant proposing the construction, alteration, operation, maintenance, abandonment, or removal of a dry storage facility for

Exhibit B (cont'd)

10 or more vessels that is functionally associated with a boat launching area must provide reasonable assurance that the facility, taking into consideration any secondary impacts, will meet the public interest test of Section 373.414(1)(a), F.S., including the potential adverse impacts to manatees.

(4) The standards and criteria, including the provisions for elimination or reduction of impacts, and the mitigation provisions contained in sections 10.2.1 through 10.2.1.3 and sections 10.3 through 10.3.8, respectively, of Applicant's Handbook Volume I adopted by reference in Rule 62-346.091, F.A.C., shall determine whether the reasonable assurances required by subsection 62-346.301(1) and Rule 62-346.302, F.A.C., have been provided, as applicable. Forms for demonstrating that an applicant has met the financial responsibility requirements of sections 10.3.7 through 10.3.7.9 of Applicant's Handbook Volume I are hereby adopted and incorporated by reference as:

(a) Form 62-346.900(12), "State of Florida Performance Bond To Demonstrate Financial Assurance for Mitigation" November 1, 2010;

(b) Form 62-346.900(13), "State of Florida Irrevocable Letter of Credit To Demonstrate Financial Assurance for Mitigation" November 1, 2010;

(c) Form 62-346.900(14), "Certificate I To _____ (Name of Issuing Bank) Irrevocable Letter of Credit No. _____" November 1, 2010;

(d) Form 62-346.900(15), "Certificate II To _____ (Name of Issuing Bank) Irrevocable Nontransferable Standby Letter of Credit No. _____" November 1, 2010;

(e) Form 62-346.900(16), "State of Florida Standby Trust Fund Agreement to Demonstrate Financial Assurance for Mitigation Activities" November 1, 2010;

(f) Form 62-346.900(17), "State of Florida Trust Fund Agreement to Demonstrate Financial Assurance for Mitigation Activities" November 1, 2010.

These forms are contained in Appendix C of the "Department of Environmental Protection and Northwest Florida Water Management District Environmental Resource Permit Applicant's Handbook-Volume I (General and Environmental)," and may be obtained from the locations provided in Rule 62-346.900, F.A.C.

Rulemaking Authority 373.026(7), 373.043, 373.4145, 373.418, 403.805(1) FS. Law Implemented 373.042, 373.409, 373.413, 373.4142, 373.4145, 373.416, 373.4132, 373.426, 373.429 FS. History-New 10-1-07, Amended 11-1-10.

62-346.302 Additional Conditions for Issuance of Individual and Conceptual Approval Permits.

(1) In addition to the conditions set forth in Rule 62-346.301, F.A.C., in order to obtain an individual (including conceptual approval) permit under this chapter, an applicant must provide reasonable assurance that the construction, alteration, operation, maintenance, removal, and abandonment of a system:

(a) Located in, on, or over wetlands or other surface waters will not be contrary to the public interest, or if such an activity significantly degrades or is within an Outstanding Florida Water, that the activity will be clearly in the public interest, as determined by balancing the following criteria as set forth in sections 10.2.3 through 10.2.3.7 of Applicant's Handbook Volume I adopted by reference in Rule 62-346.091, F.A.C.:

1. Whether the activity will adversely affect the public health, safety, or welfare or the property of others;

2. Whether the activity will adversely affect the conservation of fish and wildlife, including

Exhibit B (cont'd)

endangered or threatened species, or their habitats;

3. Whether the activity will adversely affect navigation or the flow of water or cause harmful erosion or shoaling;

4. Whether the activity will adversely affect the fishing or recreational values or marine productivity in the vicinity of the activity;

5. Whether the activity will be of a temporary or permanent nature;

6. Whether the activity will adversely affect or will enhance significant historical and archaeological resources under the provisions of Section 267.061, F.S.; and

7. The current condition and relative value of functions being performed by areas affected by the proposed activity.

(b) Will not cause unacceptable cumulative impacts upon wetlands and other surface waters as set forth in sections 10.2.8 through 10.2.8.2 of Applicant's Handbook Volume I.

(c) Located in, adjacent to or in close proximity to Class II waters or located in Class II waters or Class III waters classified by the Department of Agriculture and Consumer Services as approved, restricted, conditionally approved, or conditionally restricted for shellfish harvesting as set forth or incorporated by reference in Chapter 5L-1, F.A.C. (July 29, 2008), will comply with the additional criteria in section 10.2.5 of Applicant's Handbook Volume I.

(d) Which constitute vertical seawalls in estuaries or lagoons, will comply with the additional criteria provided in section 10.2.6 of Applicant's Handbook Volume I.

(2) When determining whether a permit applicant has provided reasonable assurances that the Department's permitting standards will be met, the Department shall take into consideration the applicant's violation of any Department rules adopted pursuant to Sections 403.91 through 403.929, F.S., (1984 Supp.), as amended, or any Department rules adopted pursuant to Part IV, Chapter 373, F.S., relating to any other project or activity and efforts taken by the applicant to resolve these violations.

Rulemaking Authority 373.026(7), 373.043, 373.414(9), 403.805(1) FS. Law Implemented 373.042, 373.413, 373.414, 373.416, 373.426, 380.23 FS. History-New 11-1-10.

62-346.381 General and Special Limiting Conditions.

(1) The following general conditions shall be applicable to and binding on all individual permits issued pursuant to this chapter, unless the conditions are not applicable to the activity authorized by the permit, or where the conditions must be modified to accommodate unique, project-specific conditions.

(a) All activities authorized by this permit shall be implemented as set forth in the plans, specifications and performance criteria approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity may constitute grounds for revocation or enforcement action by the Department, unless a modification has been applied for and approved in accordance with Rule 62-346.100, F.A.C.

(b) This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity during the construction phase. The complete permit shall be available for review at the work site upon request by the Department staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit. A weather-resistant sign, measuring at least 8 1/2 inches by

Exhibit B (cont'd)

11 inches, and including the permit number (in lettering that is easily visible from the access road) shall be placed on the property facing the road.

(c) Activities approved by this permit shall be conducted in a manner that does not cause violations of state water quality standards.

(d) Immediately prior to, during construction, and for the period of time after construction to allow for stabilization of all disturbed areas, the permittee shall implement and maintain erosion and sediment control best management practices, such as silt fences, erosion control blankets, mulch, sediment traps, polyacrylamide (PAM), temporary grass seed, permanent sod, and floating turbidity screens to retain sediment on-site and to prevent violations of state water quality standards. These devices shall be installed, used, and maintained at all locations where the possibility of transferring suspended solids into the receiving waterbody exists due to the permitted work, and shall remain in place at all locations until construction is completed and soils are permanently stabilized. All best management practices shall be in accordance with the guidelines and specifications described in the State of Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Transportation and Florida Department of Environmental Protection, 2007), unless a project-specific erosion and sediment control plan is approved as part of the permit. If project-specific conditions require additional measures during any phase of construction or operation to prevent erosion or control sediments beyond those specified in the approved erosion and sediment control plan, the permittee shall implement additional best management practices as necessary, in accordance with the guidelines and specifications in the State of Florida Erosion and Sediment Control Designer and Reviewer Manual, Prepared for Florida Department of Transportation & Florida Department of Environmental Protection by HydroDynamics Incorporated in cooperation with Stormwater Management Academy, June 2007. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources as soon as practicable. Once project construction has been deemed complete, including the re-stabilization of all side slopes, embankments, and other disturbed areas, and before conversion of the permit to the operation and maintenance phase, all silt screens and fences, temporary baffles, and other materials that are no longer required for erosion and sediment control shall be removed.

(e) Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than seven days after the construction activity in that portion of the site has temporarily or permanently ceased.

(f) At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the Department a fully executed Form 62-346.900(3), "Construction Commencement Notice," incorporated by reference herein, indicating the expected start and completion dates. Information on how a copy of this form may be obtained is contained in Rule 62-346.900, F.A.C.

(g) Within 30 days after completion of construction of the whole system, or independent portion of the system, the permittee shall notify the Department that construction has been completed and the system is ready for inspection by submitting one of the following forms to the Department office that issued the permit:

1. For systems other than those that serve an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex, Form 62-346.900(4), "As-Built Certification by a Registered Professional." If the registered professional has certified that the system has been built substantially in

Exhibit B (cont'd)

compliance with the plans and specifications in the permit, and that such system is ready for inspection, the permittee shall also submit Form 62-346.900(6), "Request for Conversion of Environmental Resource Individual Permit Construction Phase to Operation and Maintenance Phase." The system shall not be used and operated for its permitted purpose until the Department has approved the request to authorize the operation phase, in accordance with Rule 62-346.095, F.A.C. The "As-Built Certification" shall be for the purpose of determining if the work was completed in substantial compliance with permitted plans and specifications. The certification shall include as-built drawings in the form of the permitted drawings that clearly show any substantial deviations made during construction. The plans must be clearly labeled as "as-built" or "record" drawings.

2. For systems that serve an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex, Form 62-346.900(5), "Construction Completion and Inspection Certification for a System Serving an Individual, Private Single-Family Dwelling Unit."

(h) Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the initiation of the permitted use of the facility, or the site infrastructure located within the area served by that portion or phase of the system.

(i) The permittee shall remain liable for compliance with the operation and maintenance of the system in accordance with the terms and conditions of the permit for the life of the system, unless such permit is transferred to an acceptable responsible entity in accordance with Rules 62-346.095 and 62-346.130, F.A.C. Once transfer of the permit has been approved by the Department, the transferee shall be liable for compliance with all the terms and conditions of the operation and maintenance phase of the permit for the life of the system.

(j) Should any other regulatory agency require changes to the permitted system, the permittee shall notify the Department in writing of the changes prior to implementation so that the Department can determine whether a permit modification is appropriate.

(k) This permit does not convey to the permittee or create in the permittee any property right or any interest in real property, nor does it authorize any entrance upon or activities on property that is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in this permit or Chapter 62-346, F.A.C. Permittees having the right to exercise the power of eminent domain or who had a contract to purchase the property subject to this permit shall not commence any work under this permit until the permittee has provided the Department with proof of transfer of ownership of the property in the name of the permittee. If such transfer of ownership does not occur, the permittee shall surrender this permit, and the permit shall be null and void.

(l) Pursuant to Section 373.422, F.S., prior to conducting any activities on sovereign submerged lands, the permittee must receive all necessary approvals and authorizations under Chapters 253 and 258, F.S. Written authorization that requires formal execution by the Board of Trustees of the Internal Improvement Trust Fund shall not be considered received until it has been fully executed.

(m) The permittee shall hold and save the Department harmless from any and all damages, claims, or liabilities that may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any system authorized by the permit.

(n) The permittee shall notify the Department in writing at least 30 days prior to any sale, conveyance, or other transfer of ownership or control of a permitted system or the real property on which the permitted system is located. Where ownership of the land subject to the permit was demonstrated through a long-term lease, the lessee must have transferred ownership and control of the permitted

Exhibit B (cont'd)

system to the current landowner or new lessee, effective prior to or on the date of expiration of the lease. All transfers of ownership or transfers of a permit are subject to the requirements of Rules 62-346.095 and 62-346.130, F.A.C.

(o) Upon reasonable notice to the permittee, Department staff with proper identification shall have permission to enter, inspect, sample and test the system to ensure conformity with the plans and specifications authorized in the permit.

(p) If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the Department.

(q) The permittee shall immediately notify the Department in writing of any previously submitted information that is later discovered to be inaccurate.

(r) The issuance of this permit does not relieve the permittee from the responsibility to obtain any other required federal, state, and local authorizations.

(s) The permittee is advised that, pursuant to Section 556.105, F.S., excavating contractors are required to provide certain information concerning the excavation that may affect underground facilities through the one-call notification system not less than two, nor more than five, business days before beginning any excavation.

(2) In addition to those general conditions set forth in subsection (1) above, the Department shall impose on any individual permit granted under this chapter such reasonable project-specific special conditions as are necessary to assure that the permitted system will not be harmful to the water resources, as set forth in Rules 62-346.301 and 62-346.302, as applicable, F.A.C., and the Applicant's Handbook Volumes I and II.

Rulemaking Authority 373.026(7), 373.043, 373.4145, 373.418, 403.805(1) FS. Law Implemented 373.117, 373.409, 373.413, 373.4142, 373.4145, 373.416, 373.418, 373.419, 373.422, 373.423, 373.426, 373.428, 403.0877 FS. History-New 10-1-07, Amended 11-1-10.

AS-BUILT CERTIFICATION BY PROFESSIONAL ENGINEER

Submit this form and one set of as-built engineering drawings to the U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, Mr. Terry Wells, 41 North Jefferson St., Suite 111, Pensacola, FL 32502. If you have questions regarding this requirement, please contact the Special Projects and Enforcement Branch at 904-232-3131.

1. Department of the Army Permit Number: SAJ-2011-03324 (SP-AAK)

2. Permittee Information:

Name _____

Address _____

3. Project Site Identification:

Physical location/address _____

4. As-Built Certification:

I hereby certify that the authorized work, including any mitigation required by Special Conditions to the permit, has been accomplished in accordance with the Department of the Army permit with any deviations noted below. This determination is based upon on-site observation, scheduled and conducted by me or by a project representative under my direct supervision. I have enclosed one set of as-built engineering drawings.

Signature of Engineer

Name (Please type)

(FL, PR or VI) Reg. Number

Company Name

Address

City State ZIP

(Affix Seal)

Date

Telephone Number

COMPONENTS OF CONTRACT PLANS SET

- ROADWAY PLANS
- SIGNING AND PAVEMENT MARKING PLANS
- LANDSCAPE PLANS

**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION**

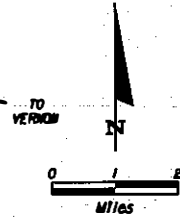
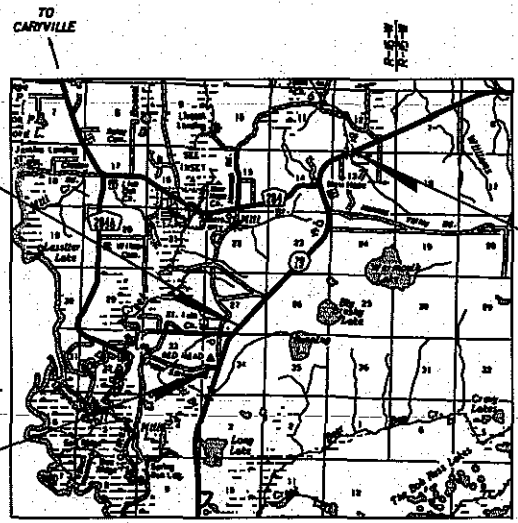
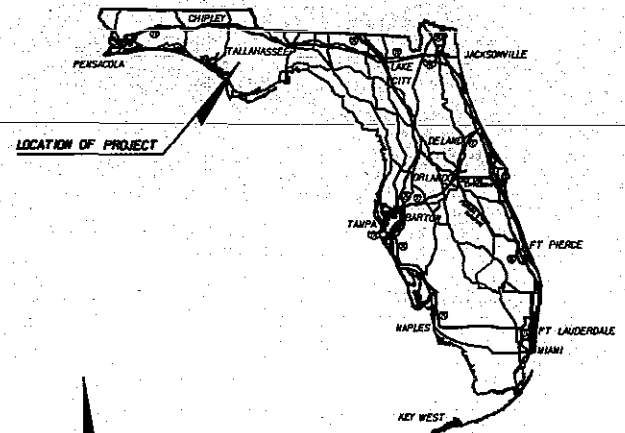
CONTRACT PLANS

FINANCIAL PROJECT ID 220773-5-52-01
WASHINGTON COUNTY (61040)
STATE ROAD NO. 79

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

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**ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:**
WILLIAM F. C. UNLINF, P.E.
HNTB CORPORATION
1125 CAPITAL CIRCLE NE
SUITE 201
TALLAHASSEE, FL 32308

PLANS PREPARED BY:
HNTB
HNTB CORPORATION
1125 CAPITAL CIRCLE NE
SUITE 201
TALLAHASSEE, FL 32308
(850) 878-9777
CONTRACT NO.: C-8024
VENDOR NO.: V98567003
CERT. OF AUTH. NO. 00006500

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

SAJ-2011-03324 (SP-AAK)
FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
Sheet # 1 of 68 September 21, 2012

**PERMIT SUBMITTAL
SEPTEMBER 2011**

COVERING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2004,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED 2004,
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: H-2
For design Standards modifications click on
"Design Standards" at the following web site:
<http://www.dot.state.fl.us/roadway>

REVISIONS

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

	LINEAR FEET	MILES
ROADWAY	23,886.80	4.524
BRIDGES	-	-
NET LENGTH OF PROJECT	23,886.80	4.524
EXCEPTIONS	-	-
GROSS LENGTH OF PROJECT	23,886.80	4.524

FDOT PROJECT MANAGER: CLAY HUNTER, P.E.

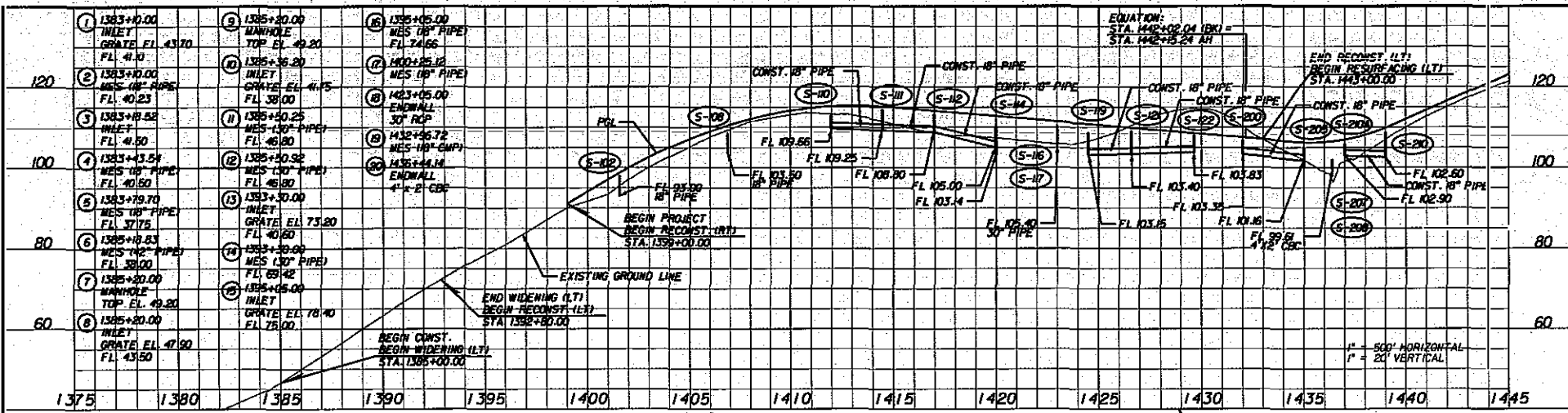
KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

**ROADWAY PLANS
DESIGNED BY:** RIAN PATTERSON, P.E.
P.E. NO.: 62954

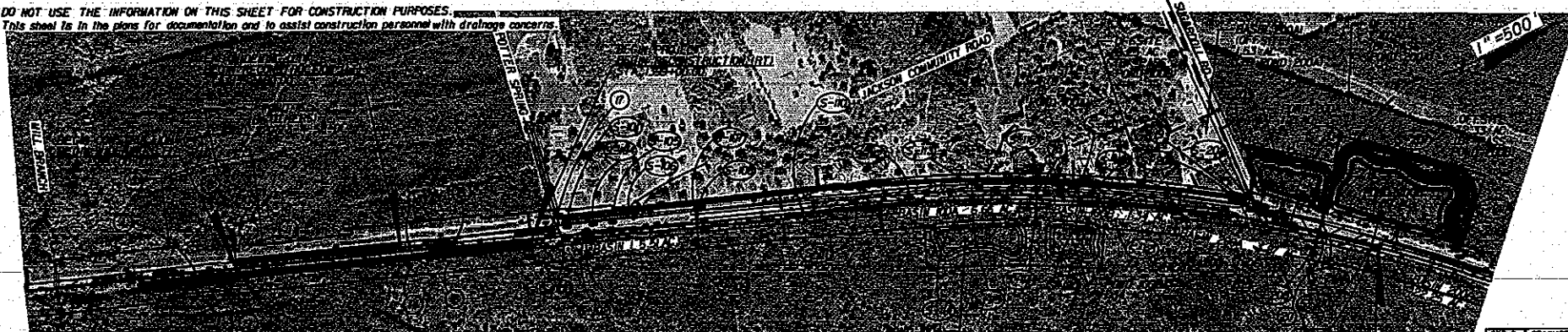
FISCAL YEAR	SHEET NO.
13	1

SR 79 FROM NORTH OF REEDY BRANCH BRIDGE CULVERT
TO NORTH OF CR 284 (MILLER'S FERRY ROAD).

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6005-23.003, F.A.C.



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.



STRUCTURE NO.	DESIGN FLOOD				BASE FLOOD				OVERTOPPING FLOOD				GREATEST FLOOD			
	STATION	DISCHARGE	STAGE	AREA	STATION	DISCHARGE	STAGE	AREA	DISCHARGE	STAGE	AREA	DISCHARGE	STAGE	AREA		
S-116	1423+00	13.1	105.98	14.7	106.10	-	-	-	149	106.33	0.2	560	-	-		
S-207	1436+51	66.1	103.90	76.6	104.85	-	-	-	198	107.90	0.2	560	-	-		
S-401	1517+00	12.0	155.68	13.3	155.76	-	-	-	17	155.95	0.2	560	-	-		
S-636	1631+37	1,111.0	49.09	1,367.6	50.89	1,684.0	53.61	0.3	580	-	-	-	-	-		

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.

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

STRUCT. NO.	DRAINAGE AREA (AC)
S-116	0.08
S-117	0.20
S-118	0.35
S-119	0.44
S-120	0.48
S-121	0.55
S-122	0.68
S-123	0.72
S-124	0.85
S-125	0.92
S-126	0.98
S-127	1.08
S-128	1.25
S-129	1.48
S-130	1.80

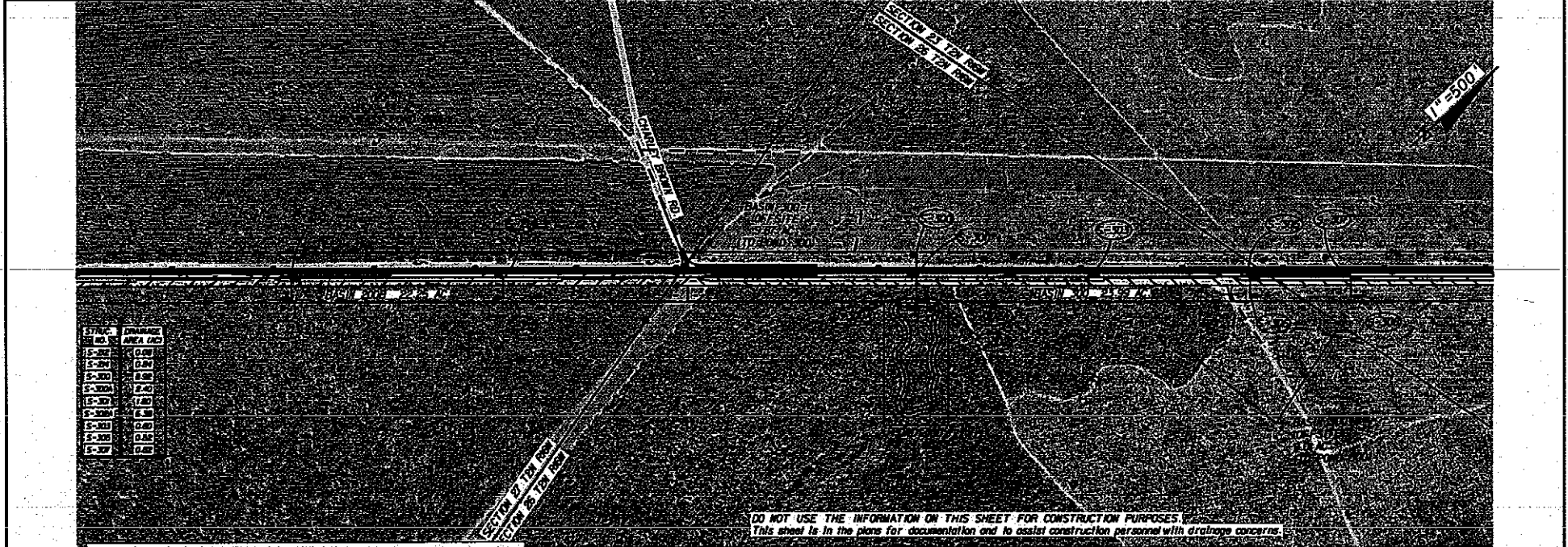
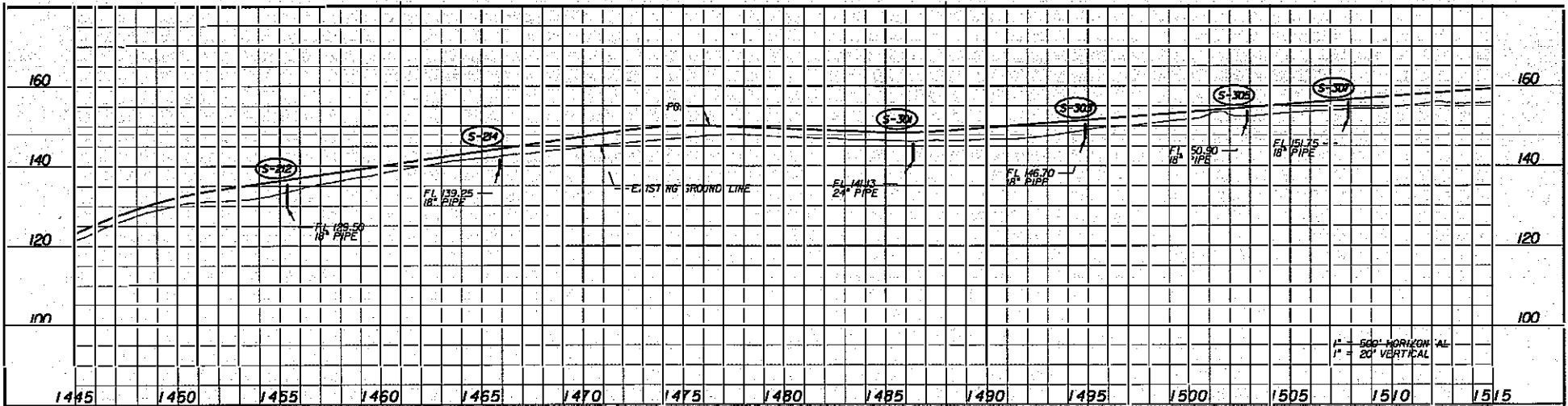
DATE: SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 2 of 68, September 21, 2012

HNTB
 HNTB CORPORATION
 1725 CAPITAL CIRCLE, NE
 SUITE 200
 TALLAHASSEE, FL 32308
 (904) 878-9771
 CERT. OF AUTH. NO. 6500
 ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62564

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. 79 COUNTY WASHINGTON FINANCIAL PROJECT ID 220773-5-52-01

DRAINAGE MAP
 SR 79
 SHEET NO. 3

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

DATE: _____ BY: _____
 SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet# 3 of 68, September 21, 2012

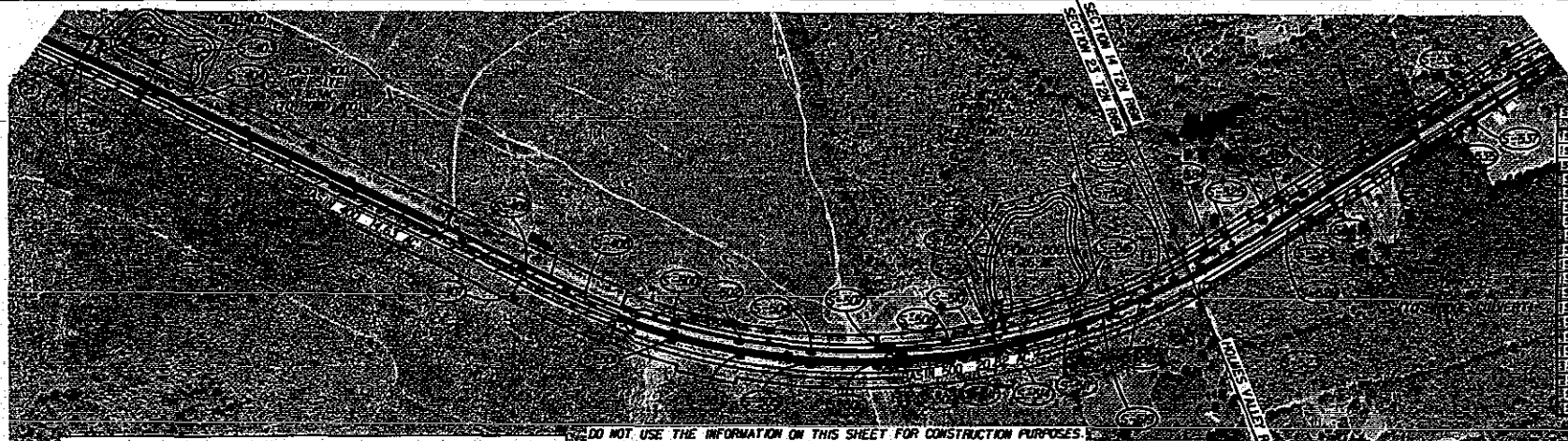
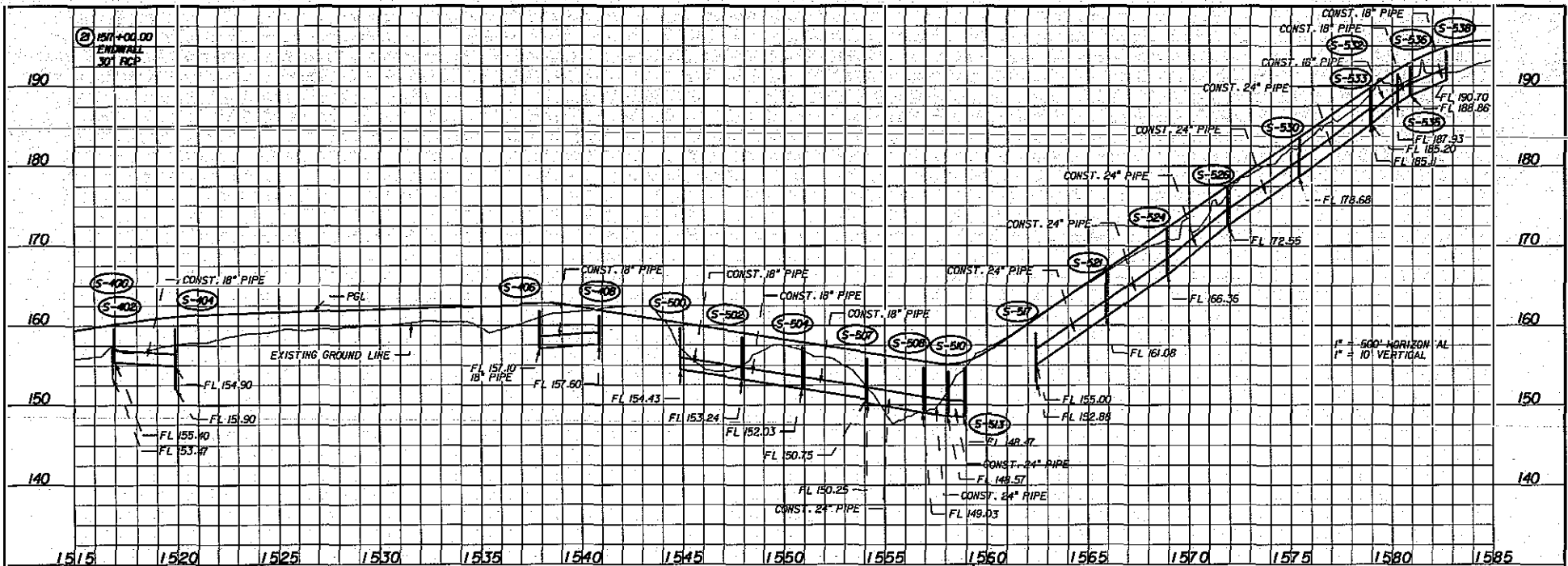
HNTB
 HNTB CORPORATION
 1725 CAPITAL CIRCLE, 8E
 SUITE 500
 TALLAHASSEE, FL 32309
 (904) 879-8971
 CERT. OF AUTH. NO. 6200
 ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62564

STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

DRAINAGE MAP
SR 79

SHEET NO.
 4

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 600-3.03(A), F.A.C.

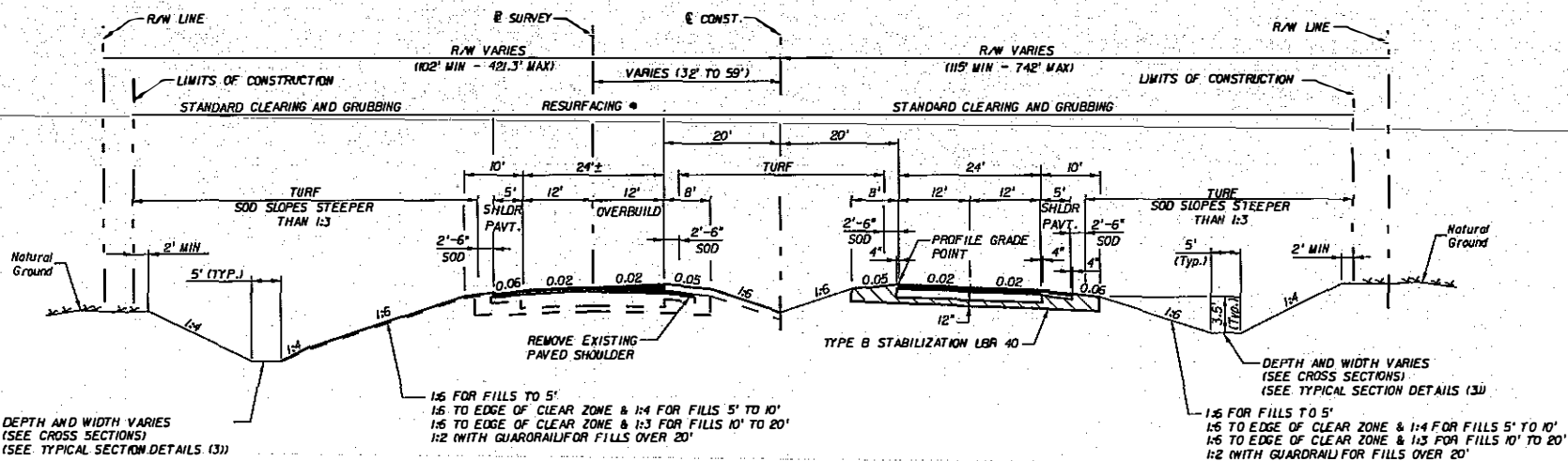


STAG. NO. (FT)	DRAINAGE AREA (AC)	STAG. NO. (FT)	DRAINAGE AREA (AC)
15-402	0.87	15-507	0.26
15-401	1.27	15-506	0.24
15-404	0.86	15-509	0.36
15-410	0.89	15-508	0.32
15-408	0.89	15-509	0.29
15-409	0.93	15-508	0.25
15-403	0.42	15-507	0.3
15-401	0.47	15-504	0.47
15-402	0.20	15-505	0.25
15-403	0.26	15-505	0.4
15-404	0.19	15-509	0.3
15-402	0.27	15-509	0.3
15-406	0.20	15-510	0.27
15-407	0.39	15-511	0.28
15-408	0.27	15-512	0.33
15-409	0.43	15-514	0.43
15-401	0.34	15-515	0.30
15-402	0.38	15-516	0.33
15-403	0.20	15-517	0.27
15-404	0.43	15-518	0.42

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

DATE: _____ SAJ-2011-03324 (SP-AAK) FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01) Sheet # 4 of 68 September 21, 2012	HNTB <small>HNTB CORPORATION 1125 CAPITAL CIRCLE, NE SUITE 201 TALLAHASSEE, FL 32308 (904) 497-9771 CERT. OF AUTH. NO. 6500</small> <small>ENGINEER OF RECORD: RYAN PATTERSON, P.E. FL REGISTRATION NO. 6264</small>	STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION		DRAINAGE MAP SR 79	SHEET NO. 5
		ROAD NO. 79	COUNTY WASHINGTON		

NOTE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6009-23.001, F.A.C.



TYPICAL SECTION (OVERBUILD & RECONSTRUCTION)
STA. 1445+00.00 TO STA. 1533+24.67

- NEW CONSTRUCTION**
 OPTIONAL BASE GROUP 9 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC B)(1 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 B)(1 1/2") (PG 76-22)
 AND FRICTION COURSE FC-5 (3/4") (PG 76-22)
- RESURFACING**
 TYPE SP STRUCTURAL COURSE (TRAFFIC B)(1 3/4") (PG 76-22)
 AND FRICTION COURSE FC-5 (3/4") (PG 76-22)
- SHOULDER RESURFACING**
 TYPE SP STRUCTURAL COURSE (TRAFFIC B)(1 3/4") (PG 76-22)
 AND FRICTION COURSE FC-5 (3/4") (PG 76-22)

TRAFFIC DATA

CURRENT YEAR ESTIMATE = 2007 AADT = 6,400
 OPENING YEAR ESTIMATE = 2010 AADT = 8,700
 DESIGN YEAR ESTIMATE = 2029 AADT = 20,250
 K = 14.7% D = 68.5% T = 3.8% (24 HOUR)
 DESIGN SPEED = 70 mph
 CLEAR ZONE = 36 FT

● SEE TYPICAL SECTION DETAILS (2) FOR RESURFACING DETAILS.

DEPTH AND WIDTH VARIES
 (SEE CROSS SECTIONS)
 (SEE TYPICAL SECTION DETAILS (3))

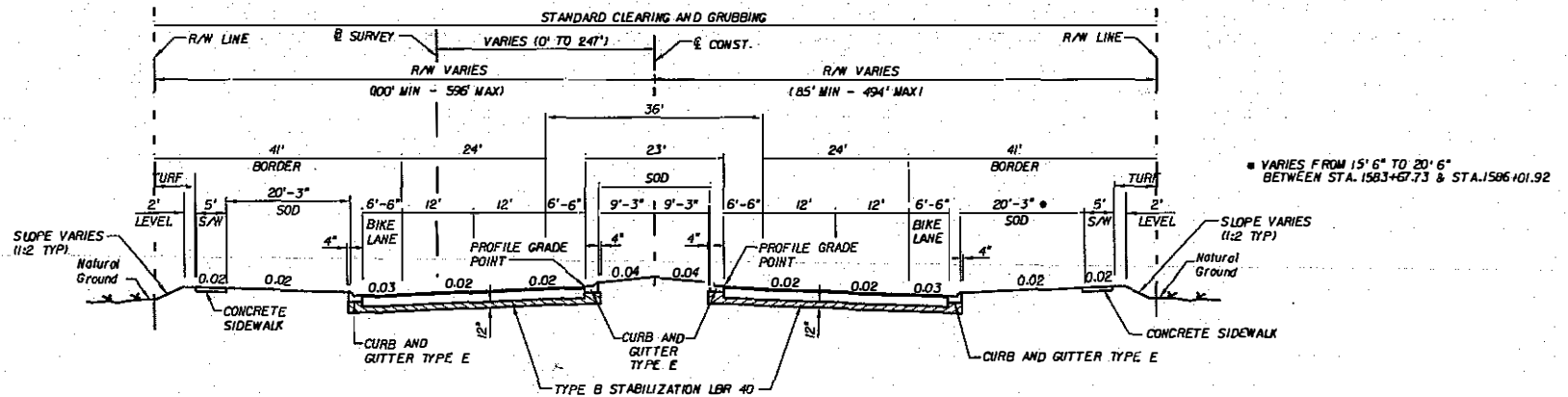
DEPTH AND WIDTH VARIES
 (SEE CROSS SECTIONS)
 (SEE TYPICAL SECTION DETAILS (3))

1:6 FOR FILLS TO 5'
 1:5 TO EDGE OF CLEAR ZONE & 1:4 FOR FILLS 5' TO 10'
 1:5 TO EDGE OF CLEAR ZONE & 1:3 FOR FILLS 10' TO 20'
 1:2 (WITH GUARDRAIL) FOR FILLS OVER 20'

NOT TO SCALE

DATE		BY	HNTB CORPORATION 825 CAPITAL CIRCLE NE SUITE 201 TALLAHASSEE, FL 32308 (904) 878-9977 CERT. OF AUTH. NO. 6500 ENGINEER OF RECORD: RAY PATTERSON, P.E. FL REGISTRATION NO. 6524	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION (2)	SHEET NO. 8
SAJ-2011-03324 (SP-AAK) FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01) Sheet # 7 of 68 September 21, 2012				ROAD NO. 79	COUNTY WASHINGTON	FINANCIAL PROJECT ID 220773-5-52-01		

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**TYPICAL SECTION (NEW HOPE AREA)
STA. 1542+51.74 TO STA. 1621+11.99**

NEW CONSTRUCTION
OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC B1X 1/2\"/>

TRAFFIC DATA
CURRENT YEAR ESTIMATE = 2007 AADT = 6,400
OPEN 6 YEAR ESTIMATE = 2010 AADT = 8,700
DESIGN YEAR ESTIMATE = 2029 AADT = 20,250
K = 14.7X D = 68.5% T = 3.8X (24 HOUR)
DESIGN SPEED = 55 mph
CLEAR ZONE = 30 FT

HNTB
SAJ-2011-03324 (SP-AAK)
FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
Sheet # 8 of 68, September 21, 2012

NOT TO SCALE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

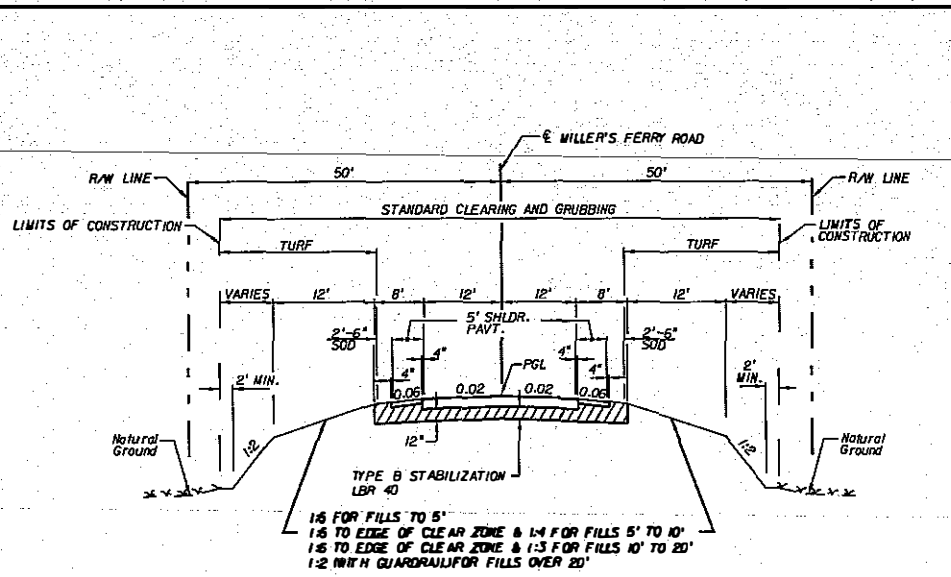
HNTB
HNTB CORPORATION
1725 CAPITAL CIRCLE, N.E.
SUITE 200
TALLAHASSEE, FL 32310
(850) 878-9177
CERT. OF AUTH. NO. 6584
ENGINEER OF RECORD: RYAN PATTERSON, P.E.
FL REGISTRATION NO. 6584

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

TYPICAL SECTION (3)

SHEET NO.
9

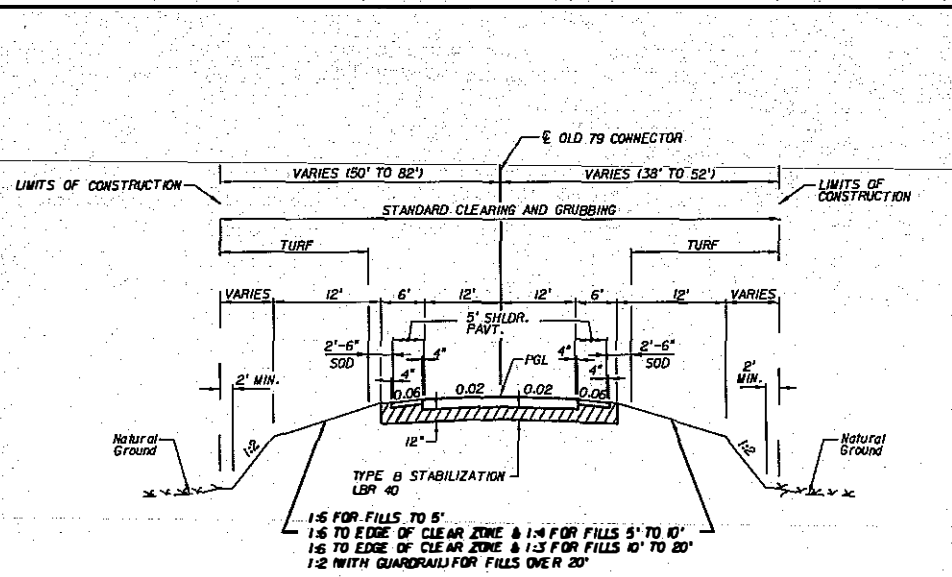
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6805-25.003, F.A.C.



**TYPICAL SECTION
MILLER'S FERRY ROAD
STA. 18+09.98 TO STA. 19+41.43
DESIGN SPEED = 25 mph**

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



**TYPICAL SECTION
OLD 79 CONNECTOR
STA. 37+65.84 TO STA. 39+51.50
DESIGN SPEED = 25 mph**

NEW CONSTRUCTION
 OPTIONAL BASE GROUP 1 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1-1/2") (PG 76-22)

SHOULDER
 OPTIONAL BASE GROUP 1 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1-1/2") (PG 76-22)

NOT TO SCALE

DATE	BY	SAJ-2011-03324 (SP-AAK) FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01) Sheet # 9 of 68, September 21, 2012
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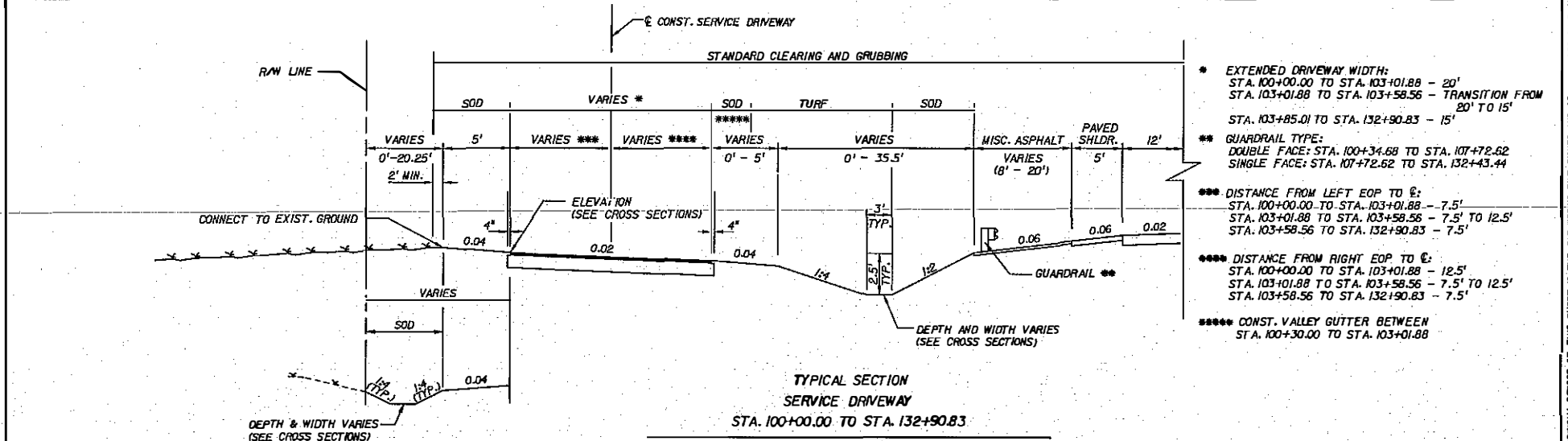
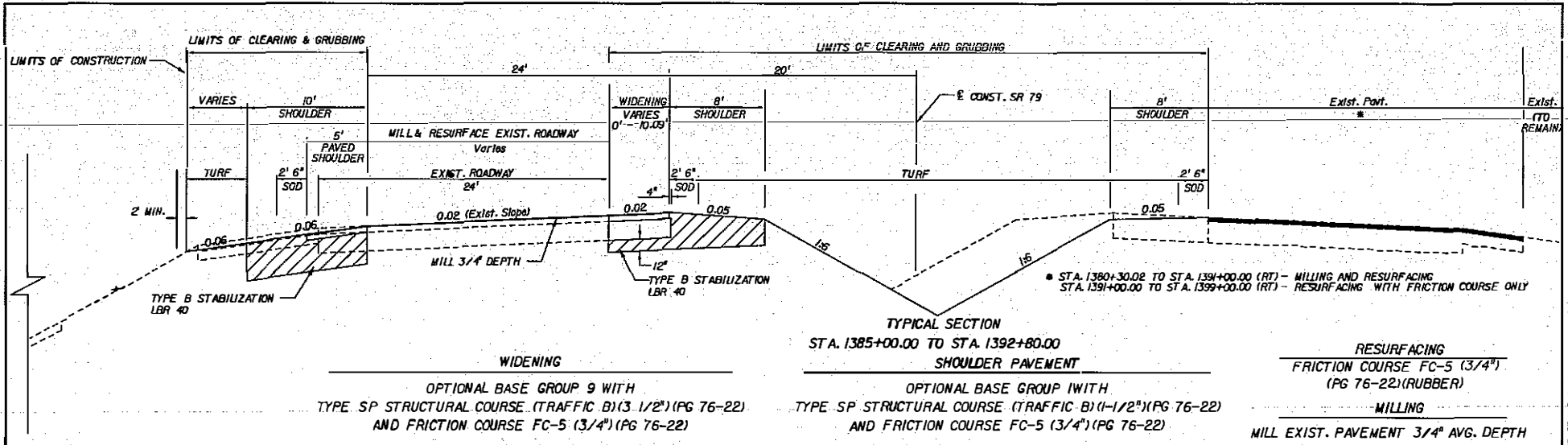
HNTB
 HNTB CORPORATION
 1725 CAPITAL CIRCLE, NE
 SUITE 200
 TALLAHASSEE, FL 32308
 (850) 878-9777
 CERT. OF. NATH. NO. 6200
 ENGINEER OF RECORD: BRAD PATTERSON, P.E.
 FL REGISTRATION NO. 02054

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

TYPICAL SECTION (C)

SHEET NO.
10

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DATE: _____ BY: _____

SAJ-2011-03324 (SP-AAK)
FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
Sheet# 10 of 68, September 21, 2012

HNTB
HNTB CORPORATION
1705 CAPITAL CIRCLE, NE
SUITE 600
TALLAHASSEE, FL 32308
REG. NO. 1245-RTT
CERT. OF AUTH. NO. 6300

ENGINEER OF RECORD: RYAN PATTERSON, P.E.
FL REGISTRATION NO. 62964

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

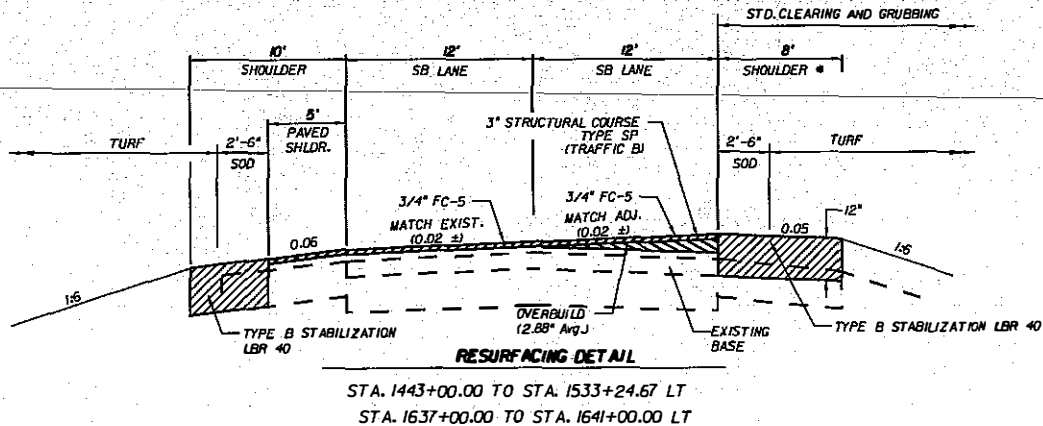
ROAD NO.	COUNTY	FINANCIAL PRODUCT ID.
79	WASHINGTON	220773-5-52-01

TYPICAL SECTION

SHEET NO.
11

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DESIGN SPEED = 70 mph

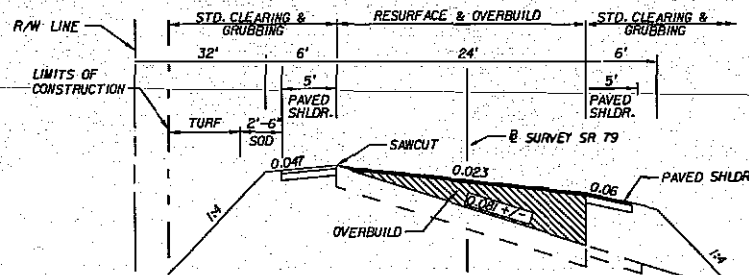


STA. 1443+00.00 TO STA. 1533+24.67 LT
STA. 1637+00.00 TO STA. 1641+00.00 LT

* TRANSITION INSIDE X-SLOPE TO MATCH EXISTING BETWEEN STA. 1636+00 TO STA. 1638+00. (SEE ROADWAY TRANSITION DETAIL (3) FOR MORE INFORMATION)

NOT TO SCALE

DESIGN SPEED = 30 mph

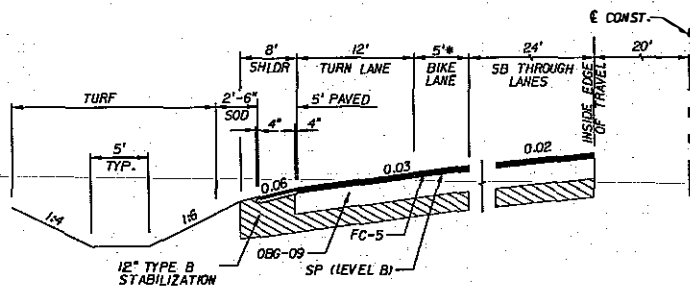


OLD SR 79 @ SURVEY SR 79
@ STA. 130+66.25 TO @ STA. 153+26.08

SHOULDER
OPTIONAL BASE GROUP IWTH
TYPE SP STRUCTURAL COURSE (TRAFFIC B)(1-1/2\"/>

OVERBUILD
TYPE SP STRUCTURAL COURSE (TRAFFIC B)(VARIES)(9.98\"/>

NOT TO SCALE

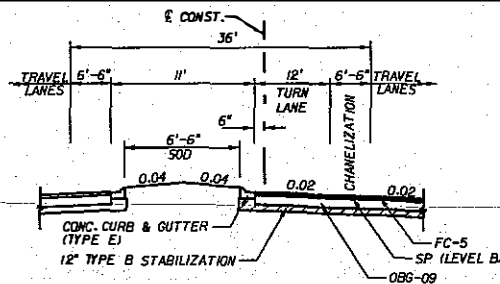


SOUTHBOUND RIGHT TURN LANE DETAIL

STA. 1400+98.10 TO STA. 1406+65.44
STA. 1433+61.25 TO STA. 1438+28.45
STA. 1475+75.34 TO STA. 1481+57.00
STA. 1592+64.90 TO STA. 1596+53.12

NOTES:

1. DETAIL APPLIES FOR SOUTHBOUND RIGHT TURN LANES.
2. SEE TYPICAL SECTION SHEETS FOR PAVEMENT DESIGN.
3. BIKE LANE WIDTH IS 4' BETWEEN STA. 1400+98.10 AND 1406+65.44
4. SHOULDER PAVEMENT IS REPLACED BY CURB & GUTTER BETWEEN STA. 1592+64.90 AND 1596+53.12



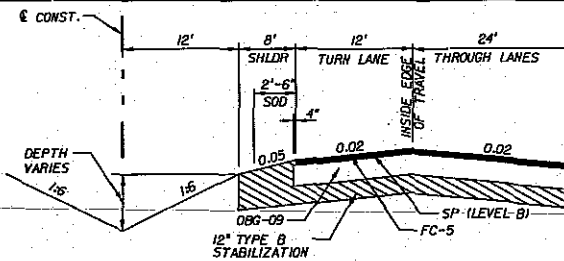
SUBURBAN LEFT TURN LANE DETAIL

STA. 1563+19.10 TO STA. 1567+24.56 NB
STA. 1568+13.67 TO STA. 1572+19.14 SB
STA. 1578+88.32 TO STA. 1582+93.82 NB
STA. 1584+05.50 TO STA. 1588+17.00 SB
STA. 1587+55.00 TO STA. 1591+60.64 NB
STA. 1592+68.97 TO STA. 1596+75.00 SB
STA. 1600+27.00 TO STA. 1604+32.96 NB
STA. 1605+68.60 TO STA. 1609+75.00 SB
STA. 1617+50.00 TO STA. 1621+98.19 NB

NOTES:

1. DETAIL SHOWS NORTHBOUND LANES; HOWEVER, SOUTHBOUND LANES ARE A MIRROR IMAGE ABOUT THE & CONST.
2. SEE TYPICAL SECTION SHEETS FOR PAVEMENT DESIGN.

NOT TO SCALE



RURAL LEFT TURN LANE DETAIL

STA. 1400+89.85 TO STA. 1406+65.44 SB
STA. 1412+15.30 TO STA. 1417+79.98 NB
STA. 1433+72.31 TO STA. 1439+47.05 SB
STA. 1447+86.00 TO STA. 1453+58.56 NB
STA. 1454+79.98 TO STA. 1460+44.00 SB
STA. 1468+94.00 TO STA. 1474+69.26 NB
STA. 1475+81.62 TO STA. 1481+57.00 SB
STA. 1495+76.00 TO STA. 1501+49.15 NB
STA. 1502+30.00 TO STA. 1507+94.00 SB
STA. 1527+94.67 TO STA. 1533+24.67 NB
STA. 1534+70.00 TO STA. 1540+45.60 SB
STA. 1622+72.83 TO STA. 1628+10.00 SB

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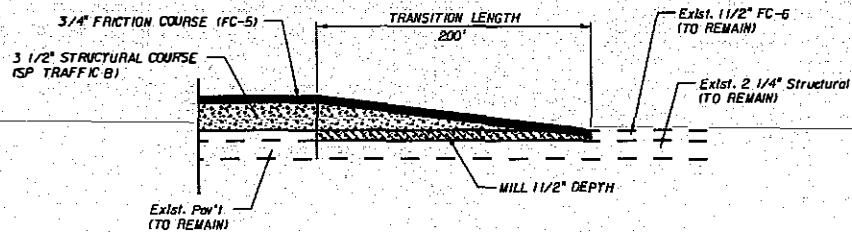
DATE	BY	SAJ-2011-03324 (SP-AAK)
FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)		
Sheet # 11 of 68, September 21, 2012		

HNTB
HNTB CORPORATION
1725 CAPITAL CIRCLE NE
SUITE 400
TALLAHASSEE, FL 32308
(850) 878-5777
CONTRACT AUTH. NO. E500

ENGINEER OF RECORD: DEAN PATTERSON, P.E.
FL REGISTRATION NO. 52554

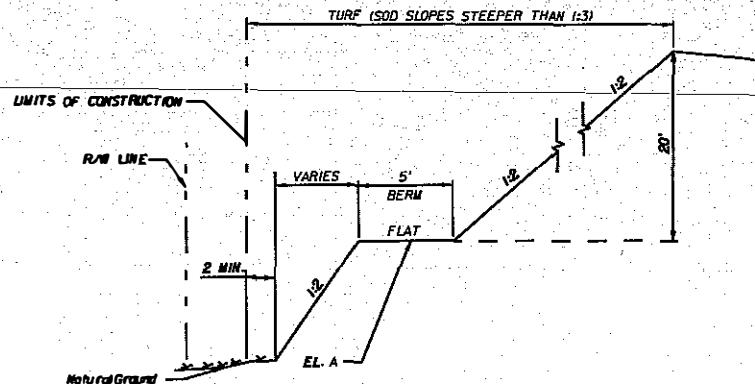
STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

TYPICAL SECTION DETAILS (2)	
SHEET NO. 12	

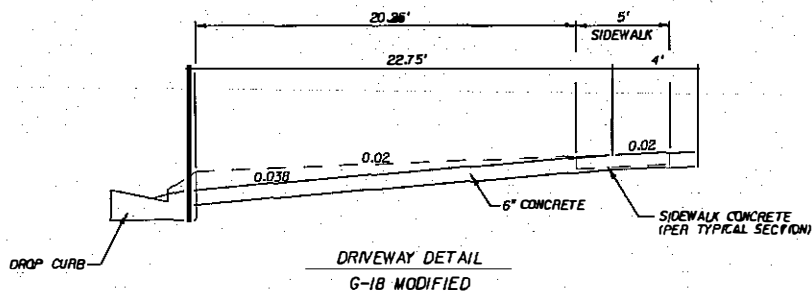


FEATHERING DETAIL

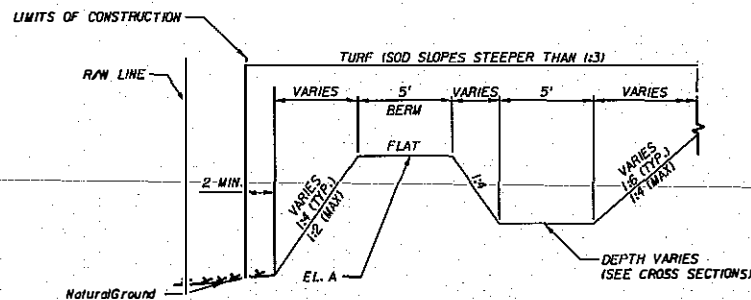
STA. 1639+00.00 TO STA. 1641+00.00 (LT)



MOWING BERM DETAIL



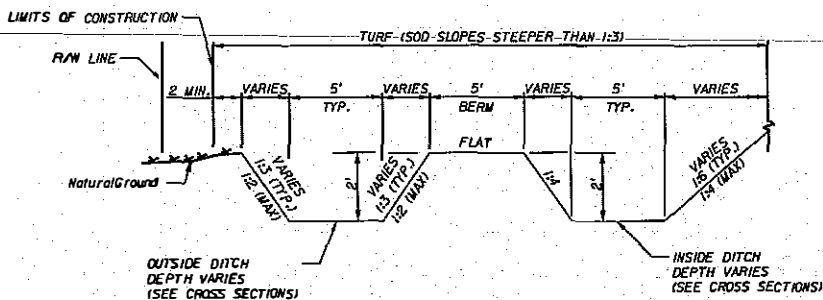
**DRIVEWAY DETAIL
G-1B MODIFIED**



DITCH BERM DETAIL

N.T.S.

STA. TO STA.	SIDE	EL. A
1434+00.00 - 1438+00.00	RT.	105.50
1518+00.00 - 1520+00.00	RT.	155.00
1535+00.00 - 1537+00.00	LT.	158.50
1628+00.00 - 1631+00.00	LT.	53.00
1632+00.00 - 1633+00.00	LT.	49.00
1627+00.00 - 1631+00.00	RT.	53.00
1632+00.00 - 1638+00.00	RT.	50.00



OFFSITE DITCH DETAIL

N.T.S.
STA. 1443+50.00 TO 1474+50.00 (LT)

DATE: BY: SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet# 12 of 68 September 21, 2012

HNTB
 HNTB CORPORATION
 1725 CAPITAL CIRCLE, N.E.
 SUITE 200
 ATLANTA, GEORGIA 30348
 (404) 878-9777
 CERT. OF AUTH. NO. 6500
 ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 6554

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. COUNTY FINANCIAL PROJECT ID
 79 WASHINGTON 220773-5-52-01

**TYPICAL SECTION
 DETAILS (3)**

SHEET NO.
 13


NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 605-83.000, F.A.C.

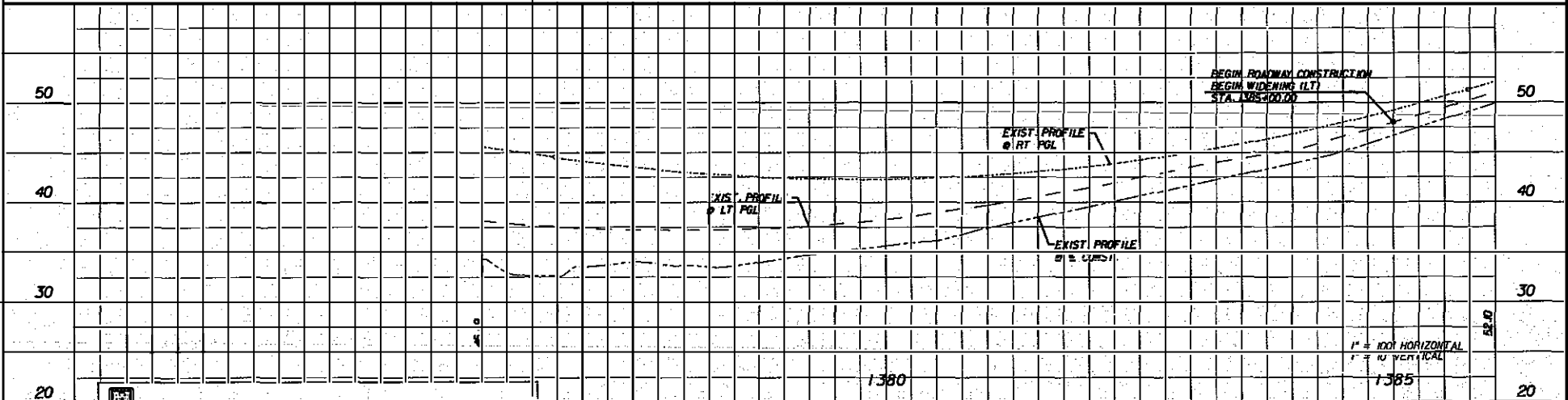
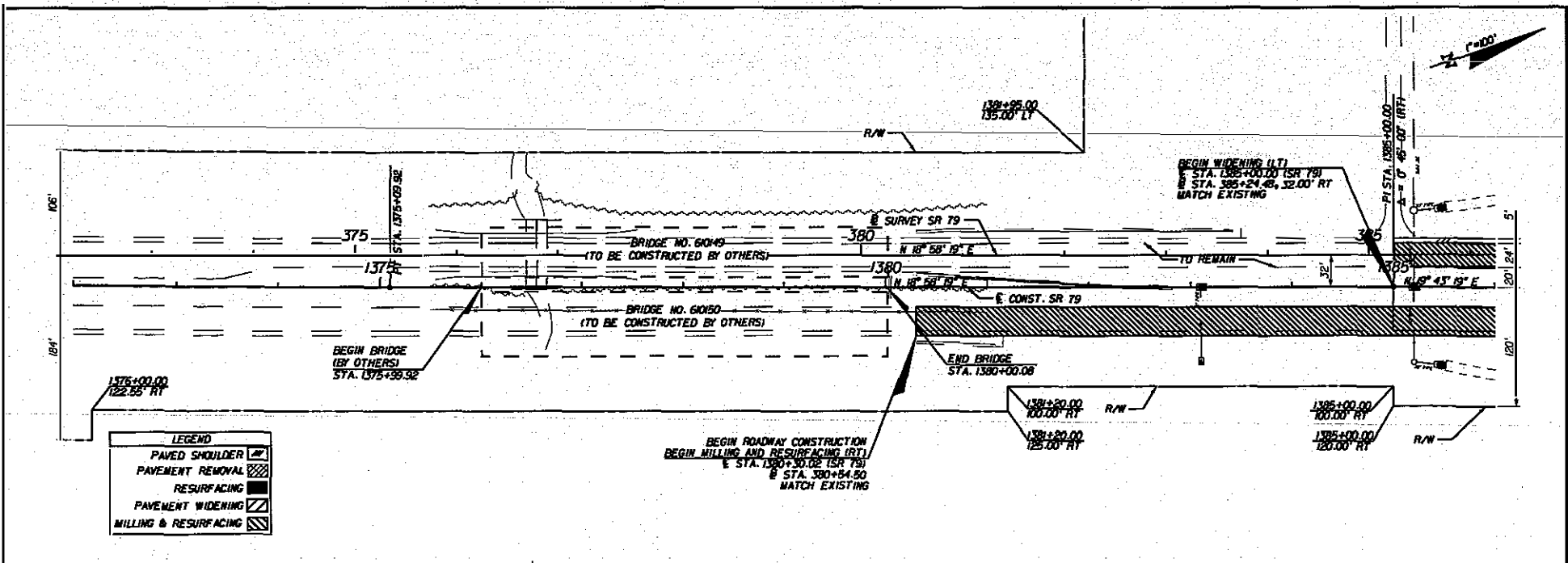
GENERAL NOTES

1. THE BENCH MARK DATUM UTILIZED FOR THIS PROJECT IS NAVD 1988. BENCHMARKS SHALL BE PROTECTED DURING CONSTRUCTION.
2. BUILDINGS TO BE REMOVED BY OTHERS UNLESS OTHERWISE NOTED.
3. ANY PUBLIC LAND CORNERS OR ANY MONUMENT THAT PERPETUATES THE FOOT 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 68G17, F.A.C. AND CURRENT FOOT SURVEYING STANDARDS.
4. THE CONTRACTOR SHALL NOT BRING ANY HAZARDOUS MATERIAL 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 SHALL BE IMMEDIATELY REPORTED TO THE CONSTRUCTION PROJECT ADMINISTRATOR WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE CONSTRUCTION PROJECT ADMINISTRATOR IS TO NOTIFY THE DCIC OF THE DISCOVERY. THE DCIC WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION AND REMEDIATION OF THE HAZARDOUS MATERIAL. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE CONSTRUCTION PROJECT ADMINISTRATOR. THE DCIC WILL ADVISE THE CONSTRUCTION PROJECT ADMINISTRATOR.
5. PROJECTS REQUIRING WELL-POINTING OR OTHER PUMPING OF GROUND WATER OR SURFACE WATER WILL NEED TO BE COORDINATED WITH THE DCIC IN ORDER TO ASSURE ALL ASPECTS OF THE PERMIT REQUIREMENTS ARE FULFILLED. THE DCIC CAN BE REACHED IN THE DISTRICT OFFICE 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.
6. ALL RURAL TURNOUTS SHALL BE CONSTRUCTED AS PER FOOT INDEX 515 WITH 12' WIDTHS AND 25' RADII, UNLESS OTHERWISE SHOWN IN THE PLANS. ALL URBAN FLARED TURNOUTS SHALL BE CONSTRUCTED AS PER FOOT INDEX 515 WITH 12' WIDTHS, ALPHA-NUMERIC IDENTIFICATION OF G-18 MODIFIED (SEE DETAIL), UNLESS OTHERWISE SHOWN IN THE PLANS. ALL DRIVEWAY LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR.
7. ALL FOOT 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 IN ORDER TO FACILITATE EMERGENCY VEHICLE TRAFFIC.
8. THE CONTRACTOR SHALL RESTRICT PERSONNEL, THE USE OF EQUIPMENT AND THE STORAGE OF MATERIALS TO AREAS WITHIN THE LIMITS OF THE CONSTRUCTION AS DESCRIBED IN THE PLANS. ANY OFF-SITE STORAGE AREA WILL REQUIRE PRIOR REVIEW BY THE FOOT DEMO STAFF. THE CONTRACTOR WILL SUBMIT A REQUEST FOR USE OF OFF-SITE AREAS TO MRS. BLAIR MARTIN, FDOT P.O. BOX 607, CHIPLEY, FLORIDA 32428-0607.
9. 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.
10. IF A MONITORING WELL IS ENCOUNTERED WITHIN OR ADJACENT TO THE PROJECT CORRIDOR, AND IS NOT SHOWN ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ADMINISTRATOR AND THE DISTRICT CONTAMINATION IMPACTS COORDINATOR OR DISTRICT ENVIRONMENTAL MANAGER/AT (860) 415-9511.
11. A FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION GENERIC PERMIT FOR STORM WATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES IS REQUIRED (NPOES) TO BE OBTAINED AND FURNISHED BY THE CONTRACTOR.
12. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE CONSTRUCTION EFFORTS WITH OTHERS THAT HAVE BEEN ISSUED FOOT 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.
13. 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.
14. 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 BASELINE OF SURVEY.
15. THE CONTRACTOR SHALL REMOVE MEMORIAL MARKERS THAT ARE IN CONFLICT WITH CONSTRUCTION. THE MEMORIAL MARKERS SHALL BE DELIVERED TO THE LOCAL MAINTENANCE ENGINEER WITH A NOTE DESCRIBING THE LOCATION (STATION) THE MARKER WAS REMOVED FROM. THE MARKERS WILL BE REPLACED BY MAINTENANCE AFTER COMPLETION OF THE CONSTRUCTION CONTRACT.
16. ALL EXISTING DRAINAGE STRUCTURES SHALL REMAIN, UNLESS OTHERWISE SHOWN IN PLANS.
17. ALL CURB INLET ELEVATIONS REFER TO THE EDGE OF PAVEMENT ELEVATION.
18. ALL M.E.S. OFFSETS REFER TO DOWNSTREAM END.
19. FILTER FABRIC USED TO WRAP PIPE JOINTS IN ACCORDANCE WITH SPECIFICATION 430 SHALL MEET THE REQUIREMENTS OF INDEX 199, TYPE D-3 WITH AN A.O.S. (SIEVE SIZE) OF 70 TO 100.
20. ALL INSTALLED STORM SEWER STRUCTURES AND PIPES SHALL BE CLEANED OF DEBRIS AND ERODED MATERIALS AT LAST STAGES OF CONSTRUCTION. COST TO BE INCLUDED IN THE COST OF DRAINAGE STRUCTURES.
21. DRY RETENTION PONDS ARE TO BE UNDER-EXCAVATED APPROXIMATELY 12" ABOVE FINISHED POND BOTTOM ELEVATION. AFTER CONTRIBUTING BASIN AREA HAS BEEN FULLY STABILIZED, THE POND WILL BE EXCAVATED TO FINISHED GRADE-LINE. DUE DILIGENCE IS REQUIRED WHEN REMOVING EXCAVATED MATERIAL SO AS TO REMOVE ACCUMULATED SILTS, CLAYS, AND ORGANICS. MATERIAL TO BE UTILIZED OR DISPOSED OF BEYOND STABILIZED DRAINAGE AREA.
22. ACCESS TO PRIVATE PROPERTY AND CONNECTING STREETS SHALL BE PROVIDED WHENEVER CONSTRUCTION INTERFERES WITH EXISTING MEANS OF ACCESS.
23. THE CONTRACTOR SHALL USE SHEETING AND SHORING OR A METHOD APPROVED BY THE ENGINEER IN ORDER TO PROTECT UTILITIES AND CAVE-INS DURING INSTALLATION OF DRAINAGE STRUCTURES AND PIPES. PAYMENT TO BE INCLUDED IN BID PRICE FOR RELATED DRAINAGE STRUCTURES.

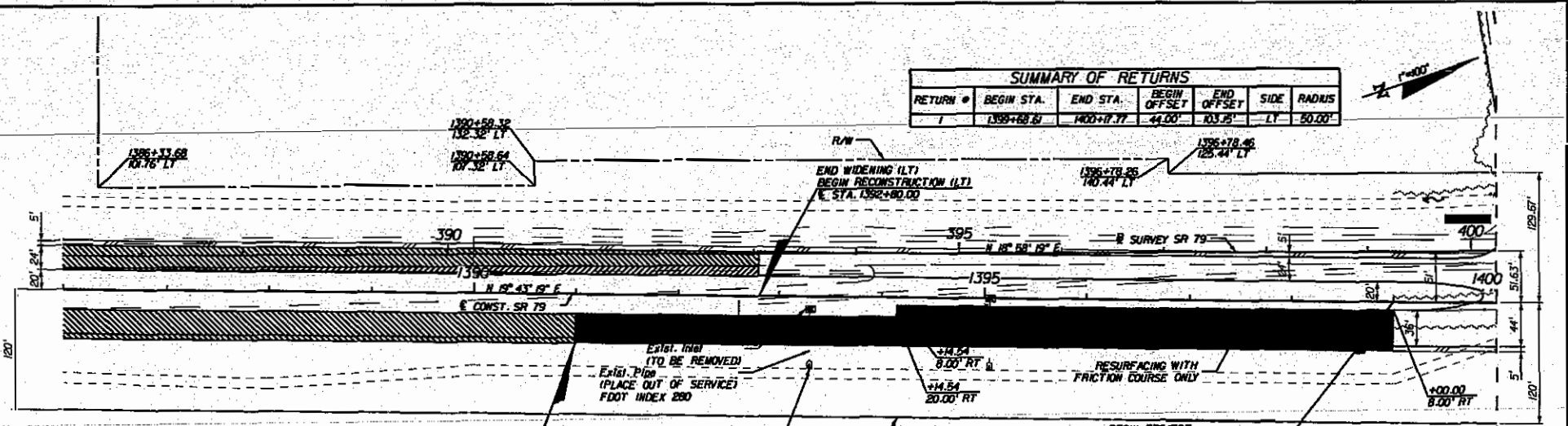
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 68B5-22.000, F.A.C.

		 10 Army Surge of Engineers SAJ-2011-03324 (SP-AAK) FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01) Sheet # 13 of 68 September 21, 2012	HNTB <small>HNTB CORPORATION 1725 CAPITAL CIRCLE NE SUITE 300 TALLAHASSEE, FL 32309 (904) 497-9771 CERT. OF AUTH. NO. 6520 ENGINEER OF RECORD: RYAN PATTERSON, P.E. FL REGISTRATION NO. 62564</small>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">ROAD NO.</td> <td style="width: 25%;">COUNTY</td> <td style="width: 50%;">FINANCIAL PROJECT ID</td> </tr> <tr> <td align="center">79</td> <td align="center">WASHINGTON</td> <td align="center">220773-5-52-01</td> </tr> </table>	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	79	WASHINGTON	220773-5-52-01	SHEET NO. GENERAL NOTES 34
ROAD NO.	COUNTY	FINANCIAL PROJECT ID									
79	WASHINGTON	220773-5-52-01									

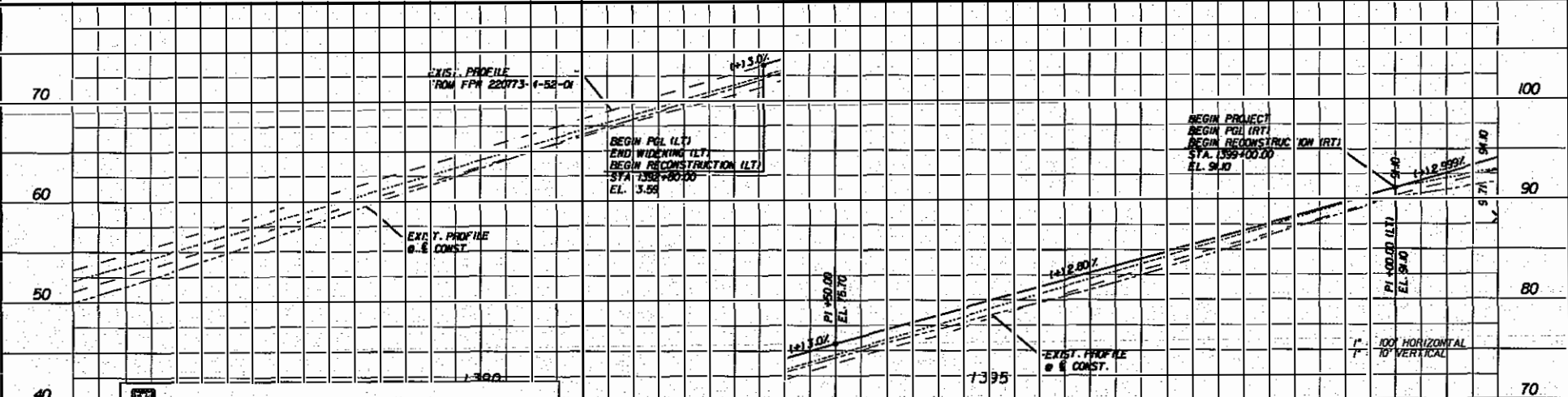


DATE	BY	SAJ-2011-03324 (SP-AAK) FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01) Sheet # 14 of 68 September 21, 2012	HNTB CORPORATION 1725 CAPITAL CIRCLE NE TALLAHASSEE, FL 32308 (904) 499-9771 CERT. OF AUTH. NO. 0500	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN AND PROFILE (U)	SHEET NO. 55
				ROAD NO. 79	COUNTY WASHINGTON	FINANCIAL PROJECT ID 220773-5-52-01		

SUMMARY OF RETURNS						
RETURN #	BEGIN STA.	END STA.	BEGIN OFFSET	END OFFSET	SIDE	RADIUS
1	1398+68.61	1400+17.77	44.00'	83.75'	LT	50.00'



LEGEND	
	PAVED SHOULDER
	PAVEMENT REMOVAL
	RESURFACING
	PAVEMENT WIDENING
	MILLING & RESURFACING



SAJ-2011-03324 (SP-AAK)
 FDOT - Slate Road 79, Segment 5 Widening (FPN 22073-5-52-01)
 Sheet # 15 of 68 September 21, 2012

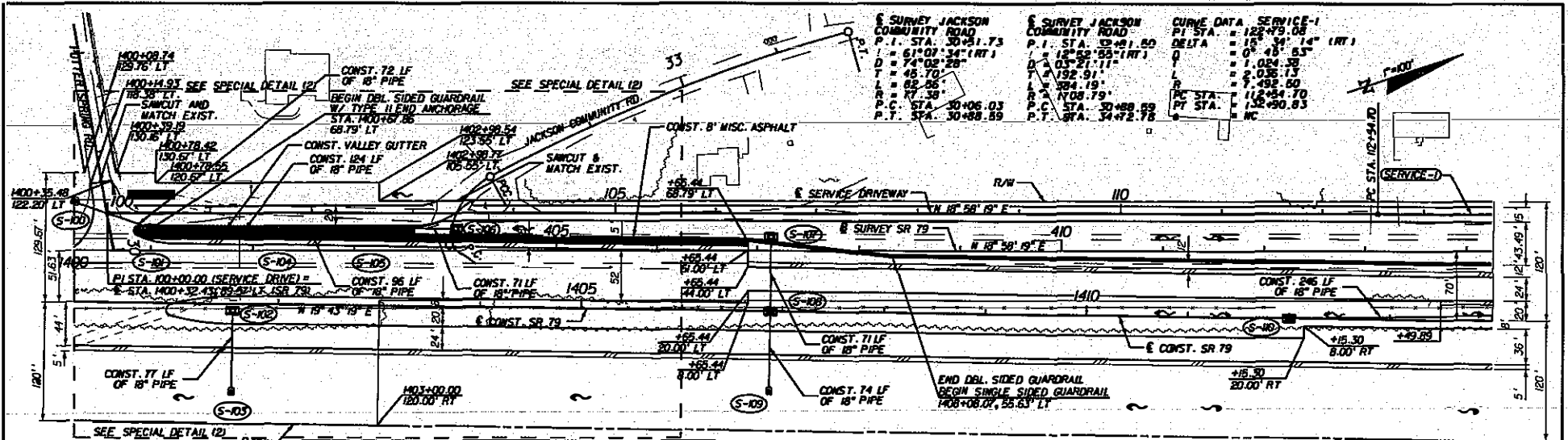
HNTB
 HNTB CORPORATION
 1725 CAPITAL CIRCLE, NE
 TALLAHASSEE, FL 32308
 (904) 412-9171
 CERT. OF AUTH. NO. 0500

ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62564

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	22073-5-52-01

PLAN AND PROFILE

SHEET NO. 35



SURVEY JACKSON COMMUNITY ROAD
 P.I. STA. 30+51.73
 D = 61°07'34" (RT)
 T = 45.70'
 L = 65.50'
 R = 17.30'
 P.C. STA. 30+06.03
 P.T. STA. 30+88.59

SURVEY JACKSON COMMUNITY ROAD
 P.I. STA. 34+11.60
 D = 12°52'55" (RT)
 T = 192.91'
 L = 394.19'
 R = 1708.79'
 P.C. STA. 30+88.59
 P.T. STA. 34+72.78

CURVE DATA SERVICE-1
 P.I. STA. = 122+79.08
 DELTA = 15° 31' 14" (RT)
 Q = 0' 48' 53"
 L = 1,084.38
 P = 2,035.17
 R = 1,492.50
 PC STA. = 112+84.70
 PT STA. = 132+90.83
 MC =

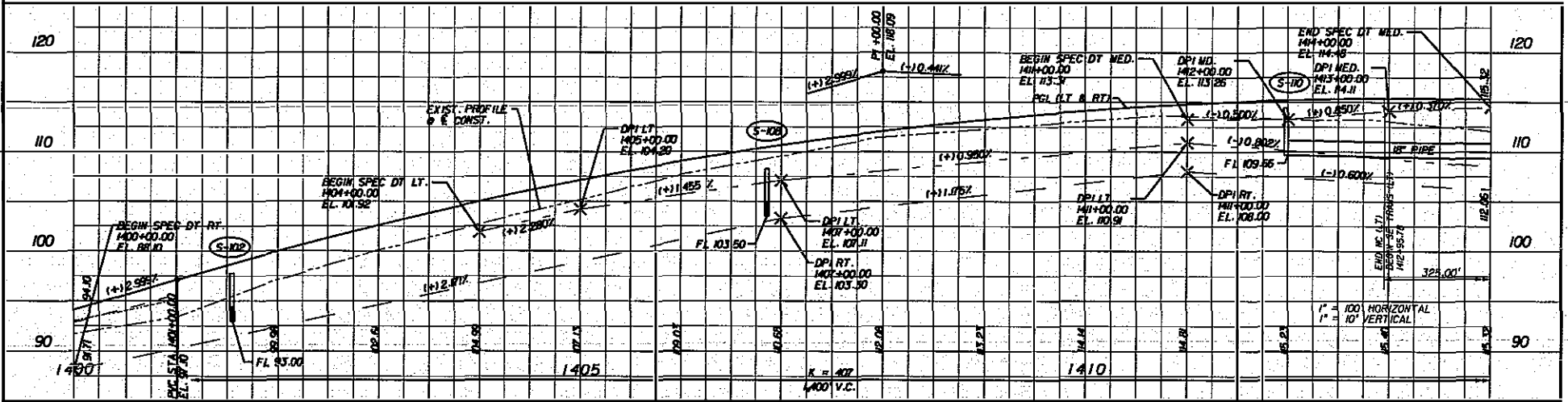
SUMMARY OF RETURNS

RETURN #	BEGIN STA.	END STA.	BEGIN OFFSET	END OFFSET	SIDE	RADIUS
4	1400+59.06	1400+48.91	105.22'	97.28'	LT	10.00'

LEGEND

- PAVED SHOULDER
- PAVEMENT REMOVAL
- RESURFACING
- PAVEMENT WIDENING
- MISC. ASPHALT

SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 16 of 68 September 21, 2012



REVISIONS

DATE	BY	DESCRIPTION

HNTB
 HNTB CORPORATION
 1725 CAPITAL CIRCLE NE
 TALLAHASSEE, FL 32308
 PHONE 904-951-9611
 CEST: OF. WITH. NO. 6300

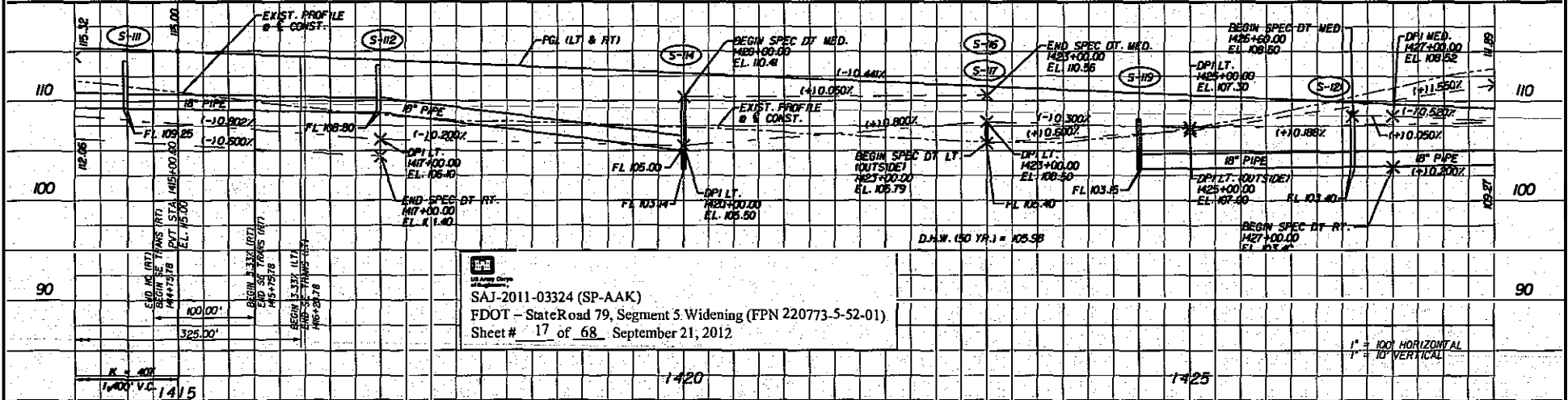
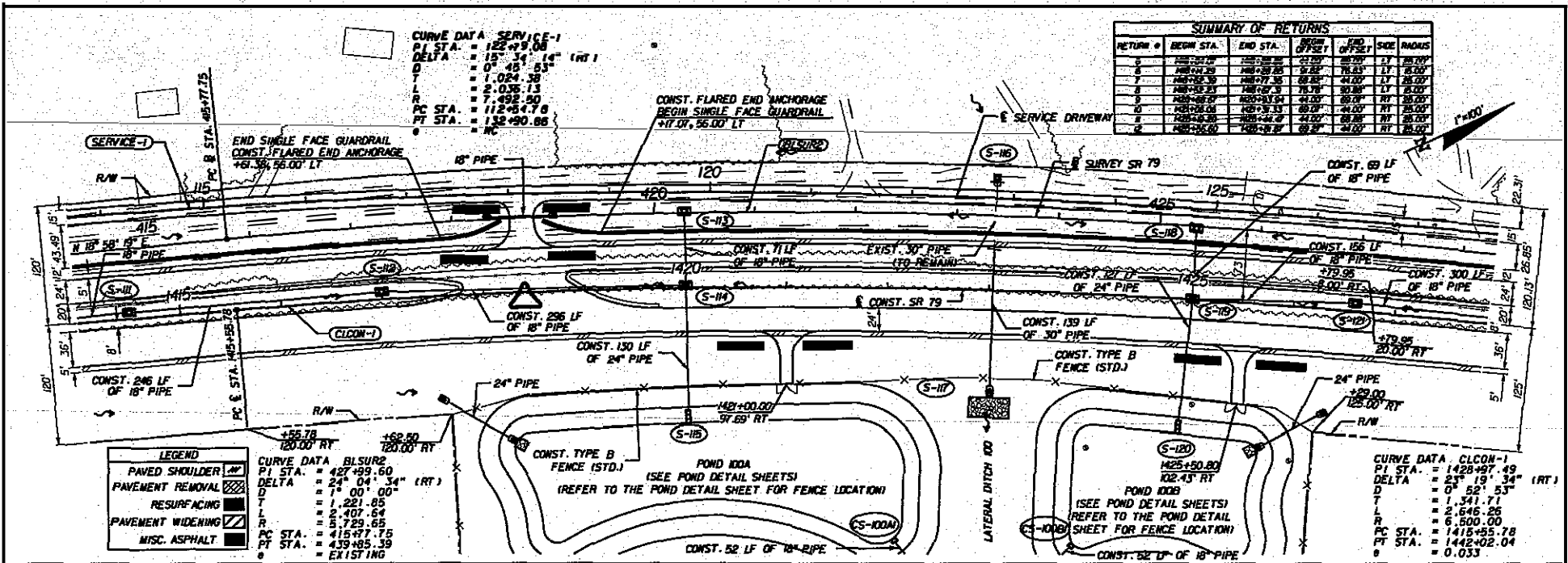
ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62964

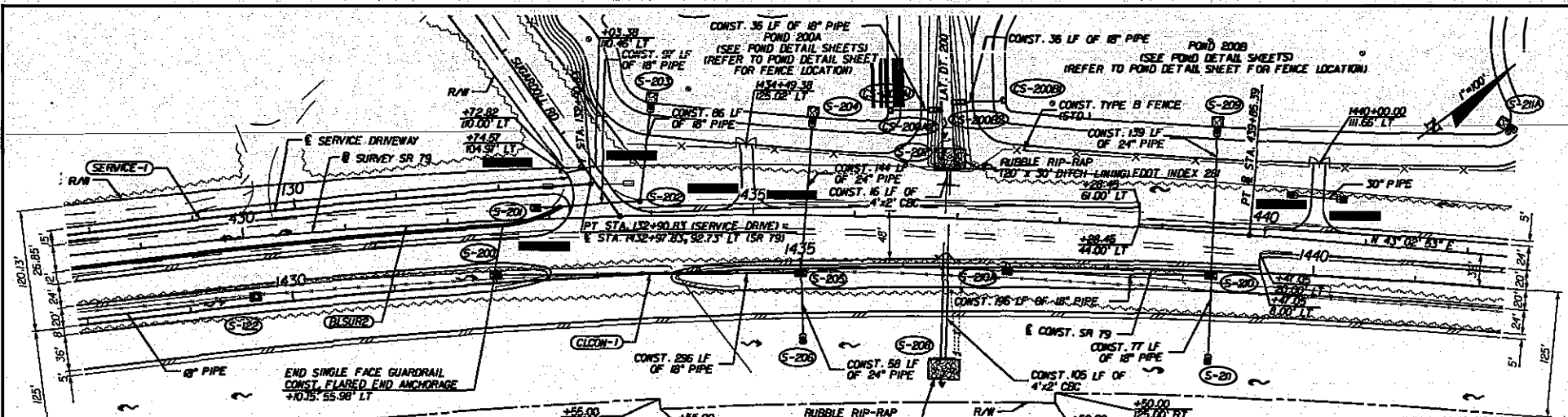
**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

PLAN AND PROFILE (3)

SHEET NO.
37



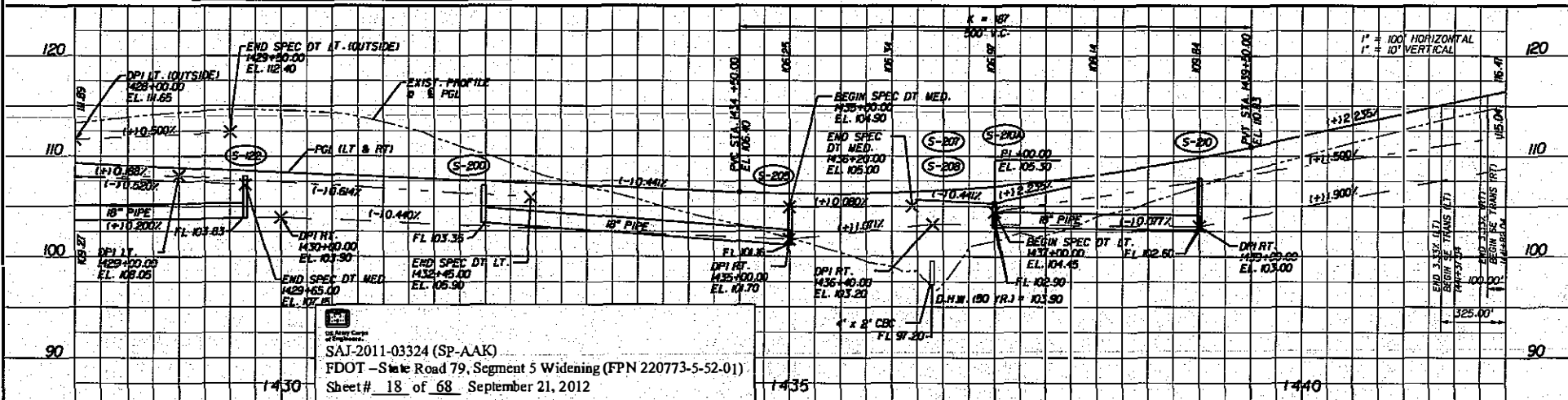


SUMMARY OF RETURNS					
RETURN #	BEGN STA.	END STA.	BEGN OFFSET	END OFFSET	SIDE / RADIUS
1	1428+40.00	1428+40.00	0.00	0.00	LT / 20.00'
2	1428+40.00	1428+40.00	0.00	0.00	LT / 8.00'
3	1434+80.00	1434+80.00	0.00	0.00	LT / 20.00'
4	1434+80.00	1434+80.00	0.00	0.00	LT / 8.00'
5	1439+63.33	1439+63.33	0.00	0.00	LT / 20.00'
6	1439+63.33	1439+63.33	0.00	0.00	LT / 8.00'
7	1440+00.00	1440+00.00	0.00	0.00	LT / 20.00'
8	1440+00.00	1440+00.00	0.00	0.00	LT / 8.00'

LEGEND

- PAVED SHOULDER [Pattern]
- PAVEMENT REMOVAL [Pattern]
- RESURFACING [Pattern]
- PAVEMENT WIDENING [Pattern]
- MISC. ASPHALT [Pattern]

<p>CURVE DATA SERVICE-1</p> <p>PI STA. = 122+79.08 DELTA = 15° 34' 14" (RT) D = 0° 45' 53" L = 1.024.38 T = 2.036.13 R = 7.492.50 PC STA. = 112+54.70 PT STA. = 132+90.83</p>	<p>CURVE DATA BLSUR2</p> <p>PI STA. = 427+99.60 DELTA = 25° 04' 34" (RT) D = 1° 00' 00" L = 1.221.85 T = 2.407.64 R = 5.729.85 PC STA. = 415+77.75 PT STA. = 439+63.39</p>	<p>CURVE DATA CLCON-1</p> <p>PI STA. = 1428+97.49 DELTA = 25° 10' 34" (RT) D = 0° 52' 53" L = 1.341.71 T = 2.646.26 R = 6.500.00 PC STA. = 1415+58.78 PT STA. = 1443+02.04 g = 0.033</p>
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SAI-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet# 18 of 68 September 21, 2012

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

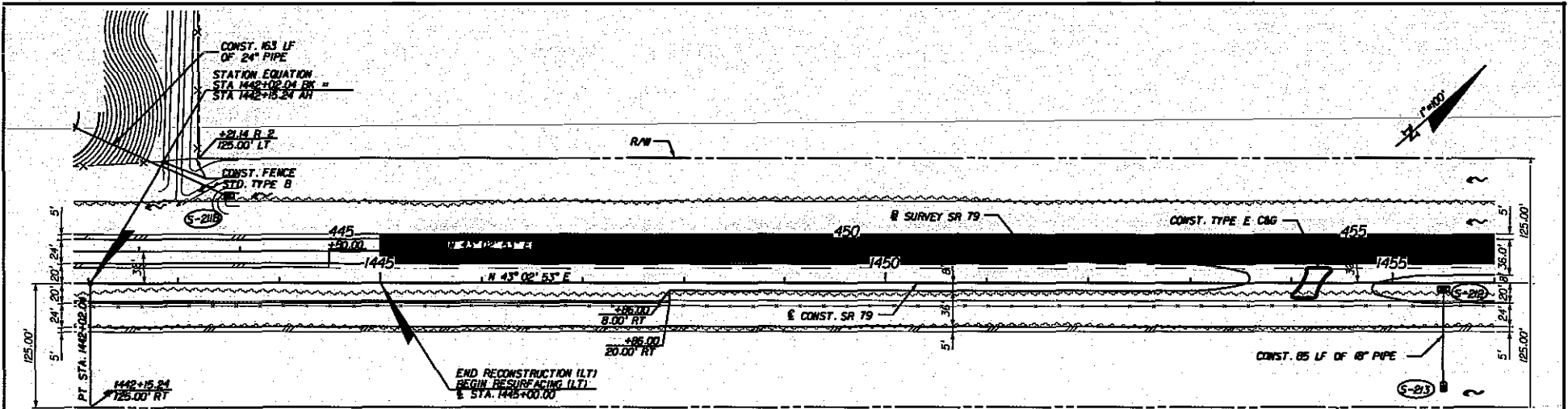
HNTB

MEMBER OF BE&K
 1725 CAPITAL CIRCLE NE
 TALLAHASSEE, FL 32308
 (904) 487-4771
 CERT. OF AUTH. NO. 6200

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

PLAN AND PROFILE (S)

SHEET NO.
39

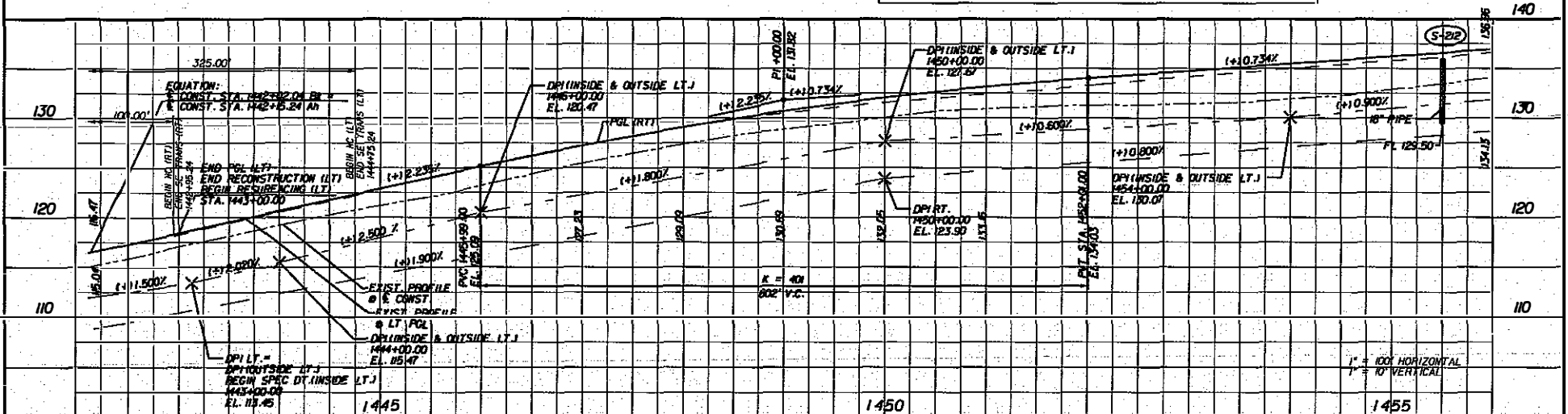


CURVE DATA - CLCON-1
 PI STA. = 1428+97.49
 DELTA = 23° 19' 34" (RT)
 D = 0° 58' 53"
 T = 1,341.71
 L = 2,646.26
 R = 6,500.00
 PC STA. = 1415+55.78
 PT STA. = 1442+02.04 Bt
 e = 0.033

LEGEND

PAVED SHOULDER	[Symbol]
PAVEMENT REMOVAL	[Symbol]
RESURFACING	[Symbol]
PAVEMENT WIDENING	[Symbol]

SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 19 of 68, September 21, 2012



DATE		BY		DESCRIPTION	

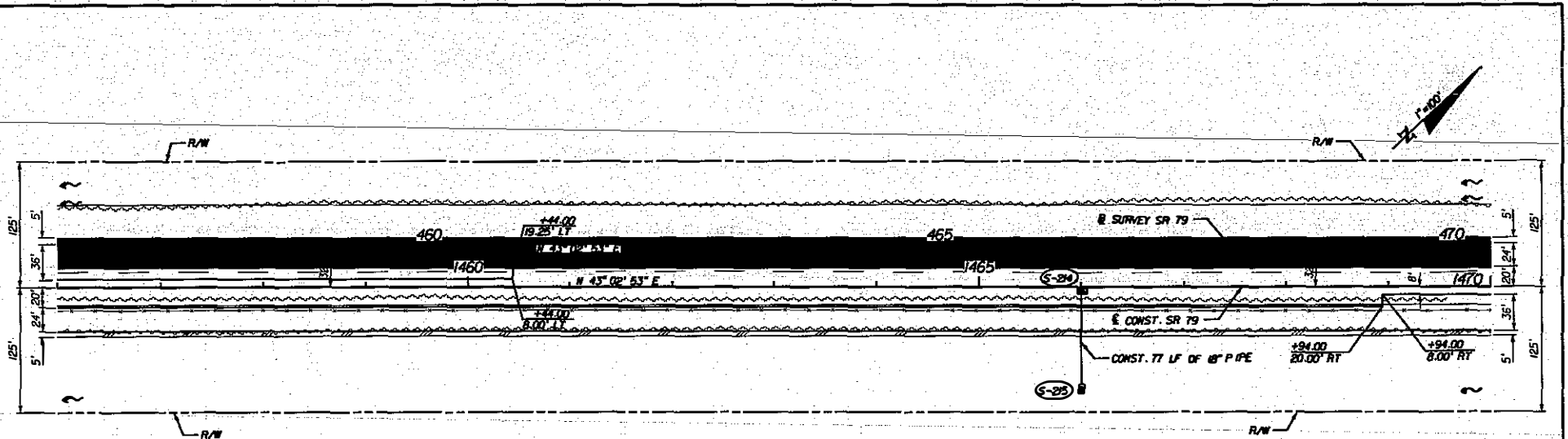
HNTB CORPORATION
 125 CAPITAL BLDG. N.E.
 TALLAHASSEE, FL 32308
 (904) 978-9871
 CERT. OF AUTH. NO. 6250

AREA OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62564

STATES OF FLORIDA		
DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

PLAN AND PROFILE (6)

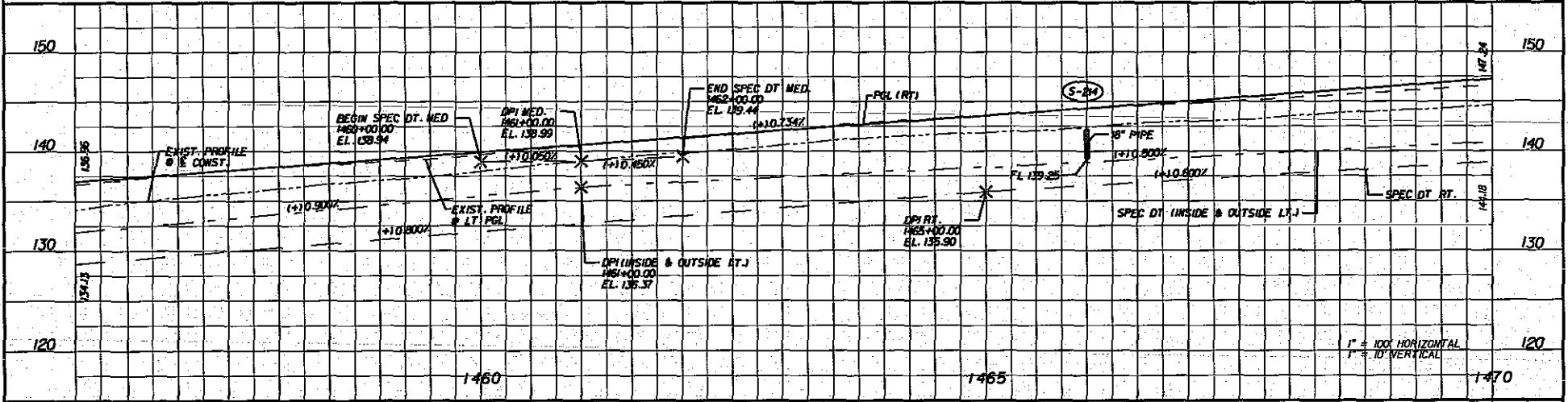
SHEET NO.
40



LEGEND

PAVED SHOULDER	
PAVEMENT REMOVAL	
RESURFACING	
PAVEMENT WIDENING	

SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 20 of 68, September 21, 2012



REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

HNTB
 HNTB CORPORATION
 725 CAPITAL CIRCLE NE
 TALLAHASSEE, FL 32308
 (904) 673-5711
 CERT. OF AUTH. NO. 6200

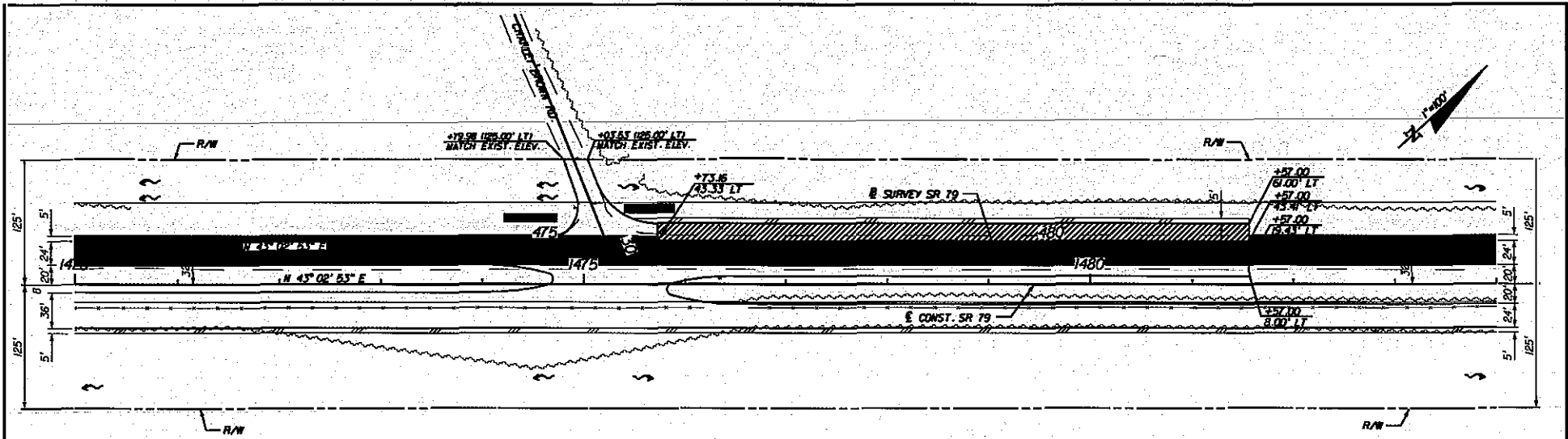
ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62264

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

PLAN AND PROFILE (7)

SHEET NO. 41



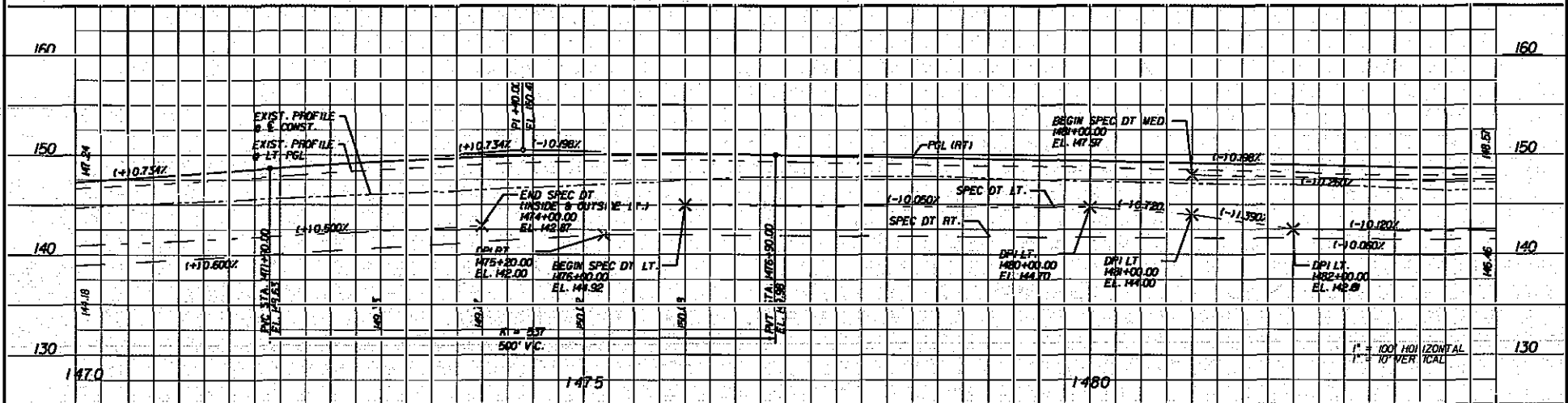
LEGEND

PAVED SHOULDER	
PAVEMENT REMOVAL	
RESURFACING	
PAVEMENT WIDENING	

SUMMARY OF RETURNS

RETURN #	BEGIN STA.	END STA.	BEGIN OFFSET	END OFFSET	SIDE	RADIUS
NO	1474.00	1474.00	0.00	0.00	LT	30.00'
B	1474.00	1474.00	0.00	0.00	LT	60.00'

SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 21 of 68 September 21, 2012



REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

HNTB
 HNTB CORPORATION
 ONE CAPITAL CIRCLE, SE
 TALLAHASSEE, FL 32309
 (904) 879-9777
 CERT. OF AUTH. NO. 6350

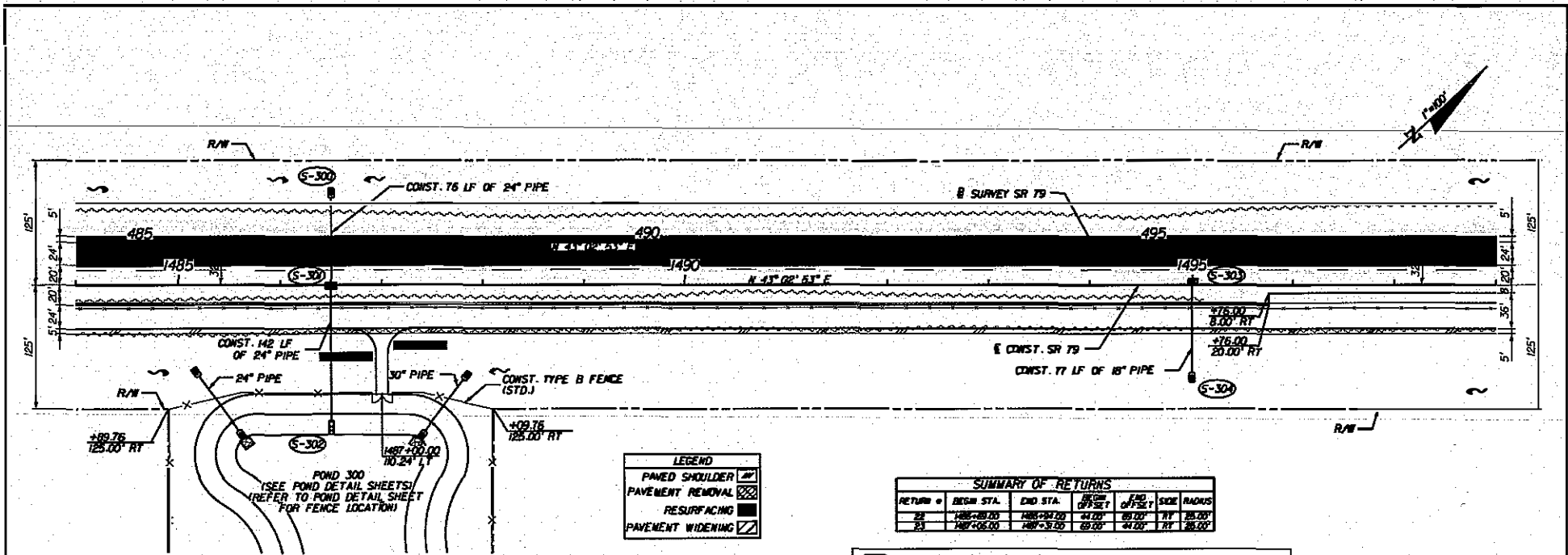
ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62964

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

PLAN AND PROFILE (B)

SHEET NO. 42

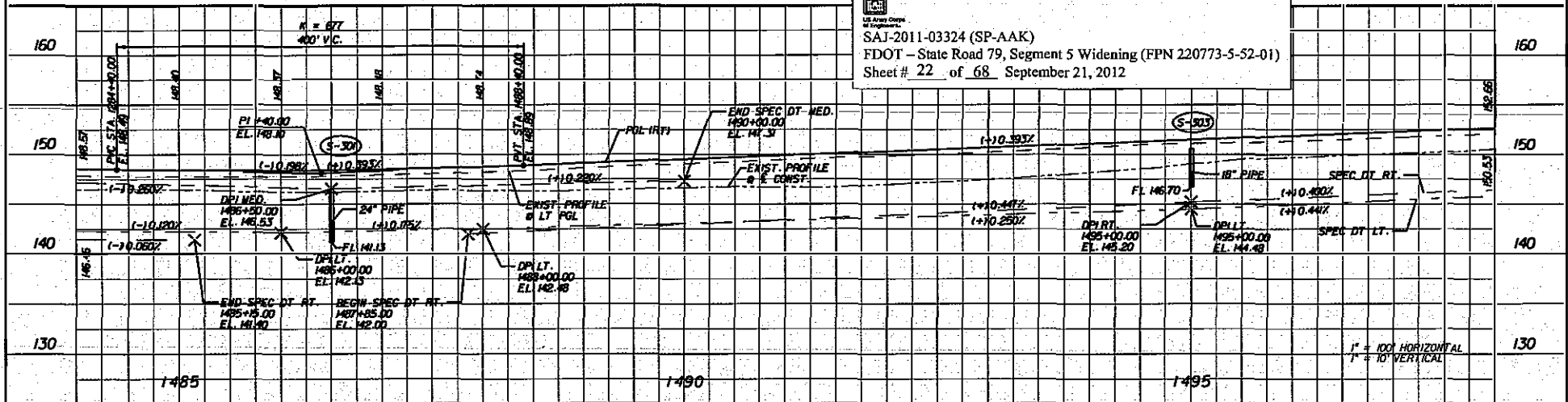


LEGEND

- PAVED SHOULDER
- PAVEMENT REMOVAL
- RESURFACING
- PAVEMENT WIDENING

SUMMARY OF RETURNS

RETURN #	BEGIN STA.	END STA.	OFFSET	OFFSET	SIDE	RADIUS
22	1485+80.00	1485+84.00	44.00'	80.00'	RT	30.00'
23	1487+05.00	1487+09.00	89.00'	44.00'	RT	30.00'



SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 22 of 68, September 21, 2012

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

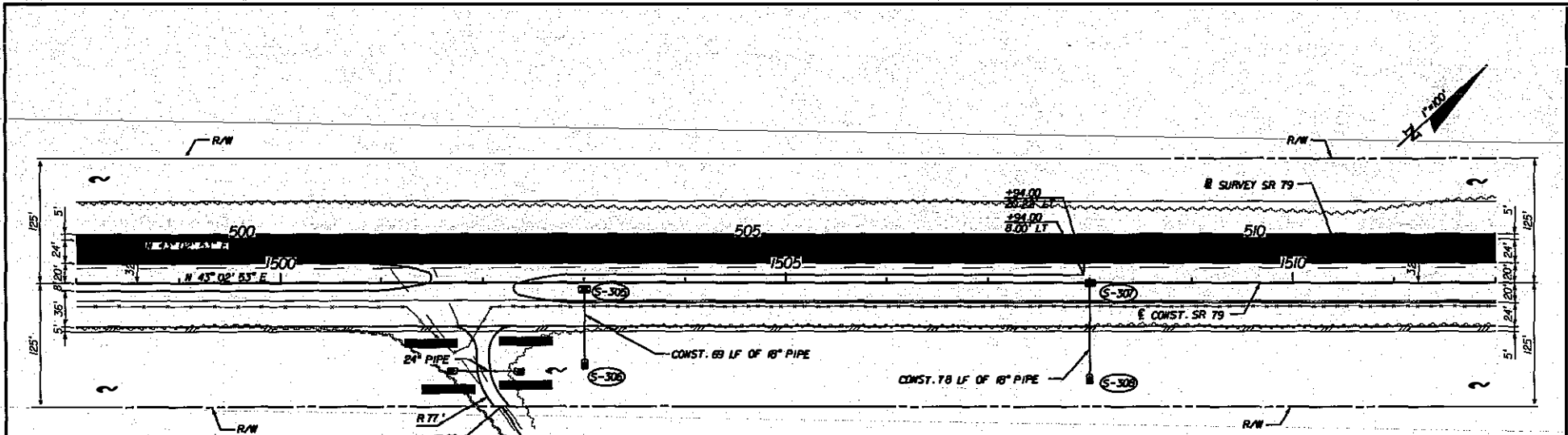
HNTB
 ENGINEER OF RECORD: RAY PATTERSON, P.E.
 P.L. REGISTRATION NO. 52364

STATES OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

PLAN AND PROFILE (9)

SHEET NO. 43



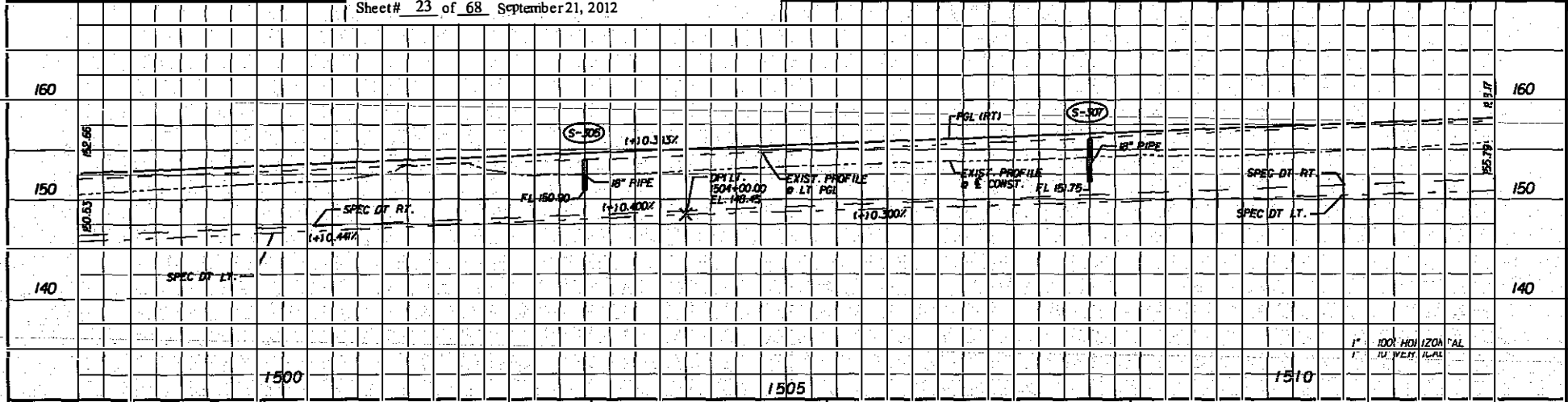
LEGEND

- PAVED SHOULDER [Symbol]
- PAVEMENT REMOVAL [Symbol]
- RESURFACING [Symbol]
- PAVEMENT WIDENING [Symbol]

SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet# 23 of 68 September 21, 2012

SUMMARY OF RETURNS

RETURN #	BEGN STA.	END STA.	STATION OFFSET	END OFFSET	SOLE	RADIUS
24	200+00.00	200+00.00	44.00'	88.00'	RT	25.00'
25	200+00.00	200+00.00	76.83'	153.66'	RT	77.00'
26	200+00.00	200+00.00	88.00'	176.00'	RT	25.00'
27	200+00.00	200+00.00	76.83'	153.66'	RT	77.00'



REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

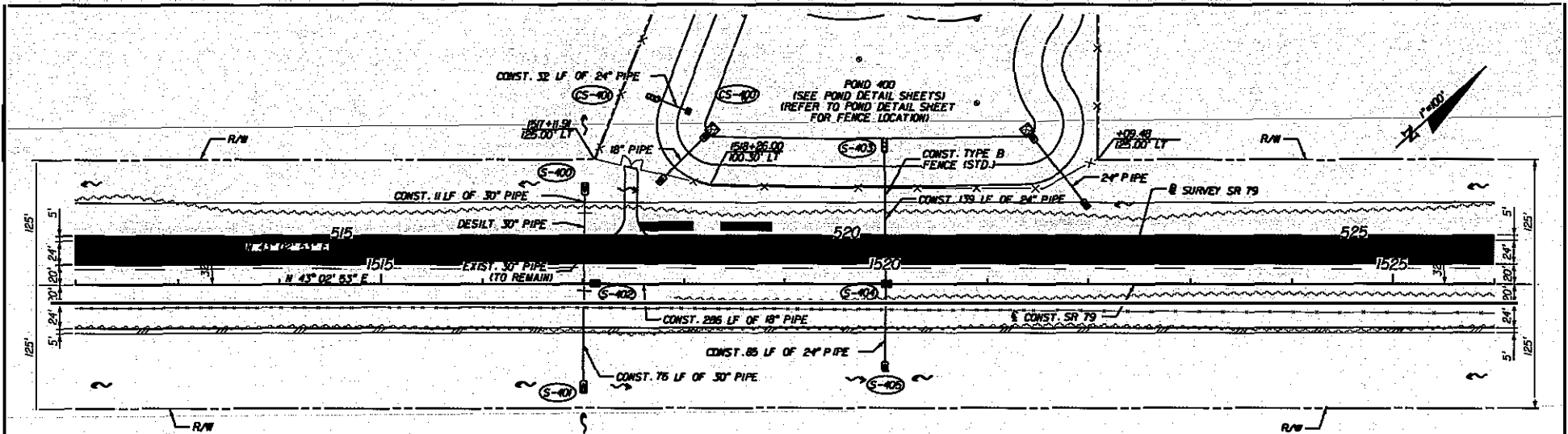
HNTB
 HNTB CORPORATION
 1725 CAP ST ALBUQUERQUE, NM
 TALLAHASSEE, FL 32308
 (904) 478-9777
 CERT. OF AUTH. NO. 6300
 ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62564

**STATES OF FLORIDA
 DEPARTMENT OF TRANSPORTATION**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

PLAN AND PROFILE (10)

SHEET NO. 44



LEGEND

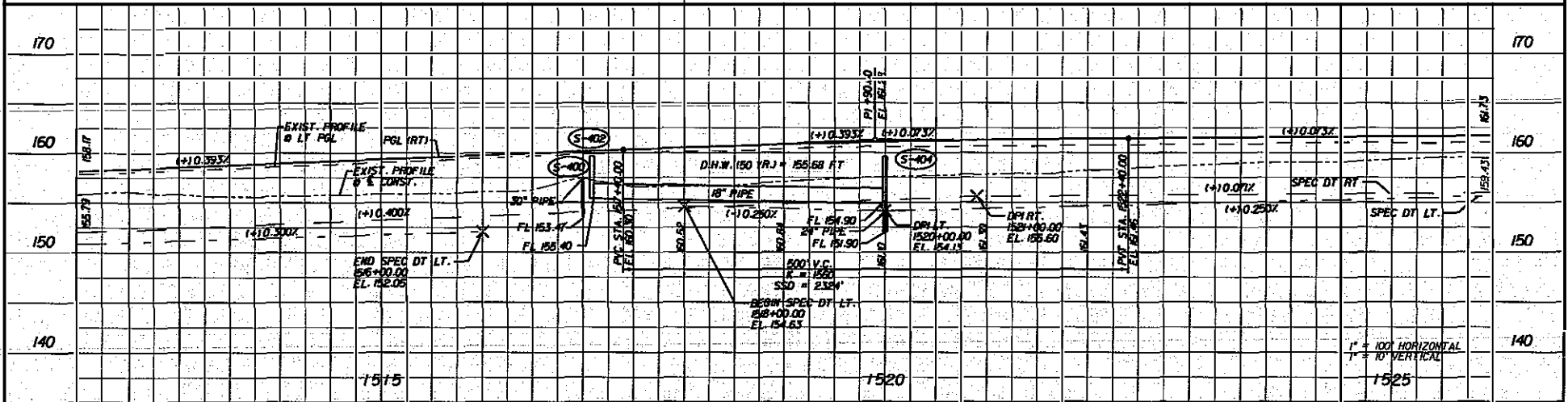
PAVED SHOULDER	
PAVEMENT REMOVAL	
RESURFACING	
PAVEMENT WIDENING	

HNTB CORPORATION
 1725 AVENUE CIRCLE, S.E.
 ATLANTA, GEORGIA 30339
 (404) 875-9771
 FAX: (404) 875-9770
 WWW.HNTB.COM

SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 24 of 68 September 21, 2012

SUMMARY OF RETURNS

RETURN #	BEGR STA.	END STA.	BEGR OFFSET	END OFFSET	SIZE	RADIUS
25	1507+95.00	1508+90.00	43.95'	48.05'	12"	125.00'
26	1507+95.00	1508+90.00	43.95'	48.05'	12"	125.00'



REVISIONS

DATE	BY	DESCRIPTION

HNTB CORPORATION
 1725 AVENUE CIRCLE, S.E.
 ATLANTA, GEORGIA 30339
 (404) 875-9771
 FAX: (404) 875-9770
 WWW.HNTB.COM

ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62564

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

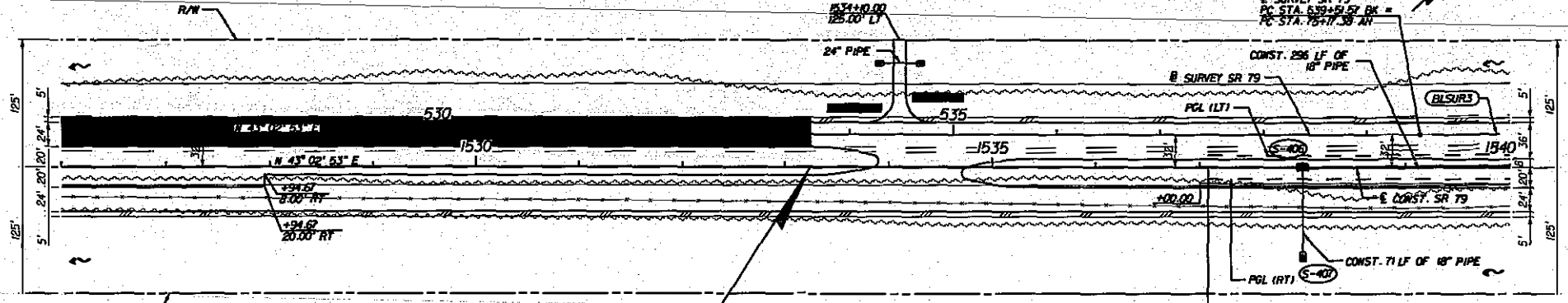
PLAN AND PROFILE (1)

1" = 100' HORIZONTAL
 1" = 10' VERTICAL

SHEET NO. 45

CURVE DATA BLSURF
 PI STA. = 92+72.43
 DELTA = 58° 37' 58" (LT)
 D = 1735.08
 T = 3198.29
 L = 3126.95
 PC STA. = 75+17.58
 PT STA. = 107+15.68

EQUATION
 B SURVEY SR 79
 PC STA. 539+51.57 BK =
 PC STA. 75+17.58 AN



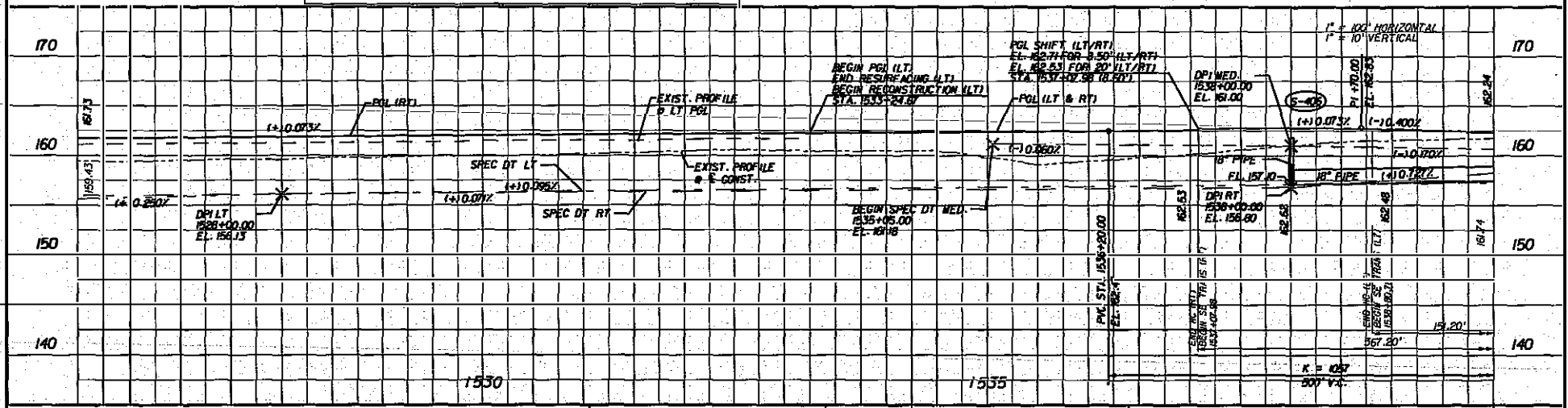
LEGEND

PAVED SHOULDER	
PAVEMENT REMOVAL	
RESURFACING	
PAVEMENT WIDENING	

SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet# 25 of 68 September 21, 2012

SUMMARY OF RETURNS

RETURN #	BEGIN STA.	END STA.	BEGIN OFFSET	END OFFSET	SIZE	RADIUS
10	1537+00	1537+00	0.00'	0.00'	18"	1537.00
9	1534+00	1534+00	0.00'	0.00'	24"	1534.00



REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

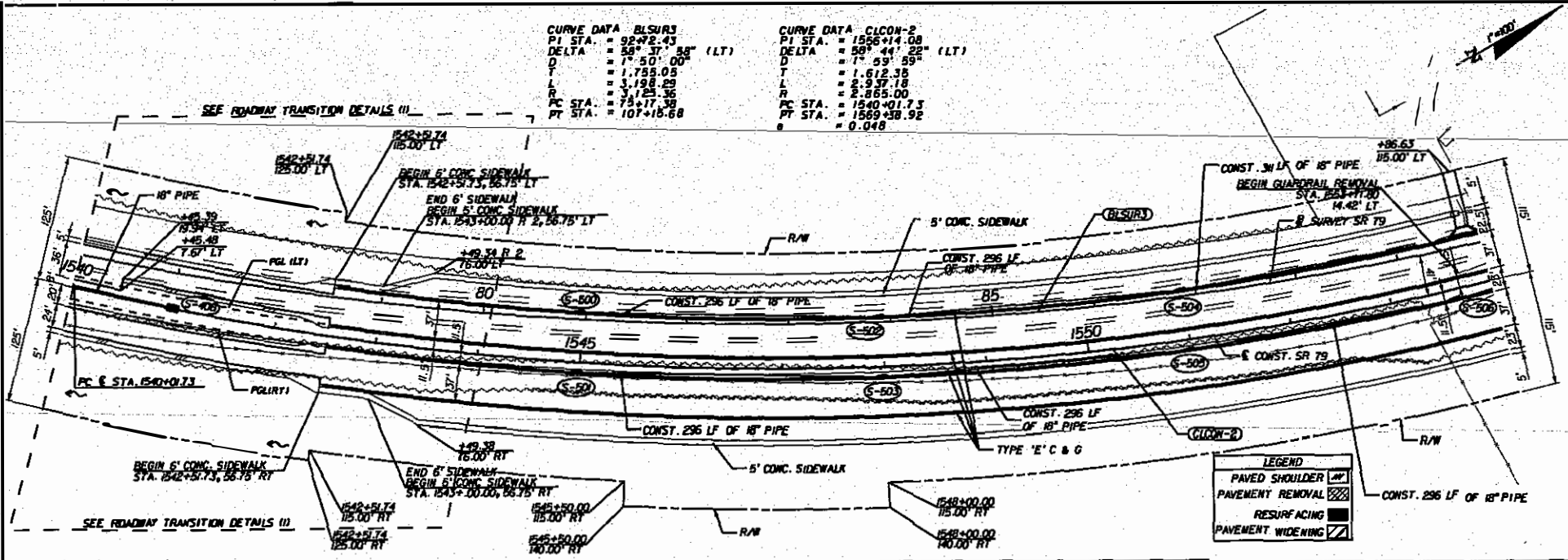
HNTB
 HNTB CORPORATION
 1725 CAPITAL CIRCLE NW
 TALLAHASSEE, FL 32310
 (904) 878-3711
 CERT. OF AUTH. NO. 6500
 ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62964

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. 79 WASHINGTON FINANCIAL PROJECT ID 220773-5-52-01

PLAN AND PROFILE (12)
 SHEET NO. 46

CURVE DATA BLSUR3
 PI STA. = 92+92.43
 DELTA = 58° 37' 59" (LT)
 D = 1° 50' 00"
 T = 1,755.05
 L = 3,198.29
 R = 3,125.36
 PC STA. = 75+17.38
 PT STA. = 107+15.68

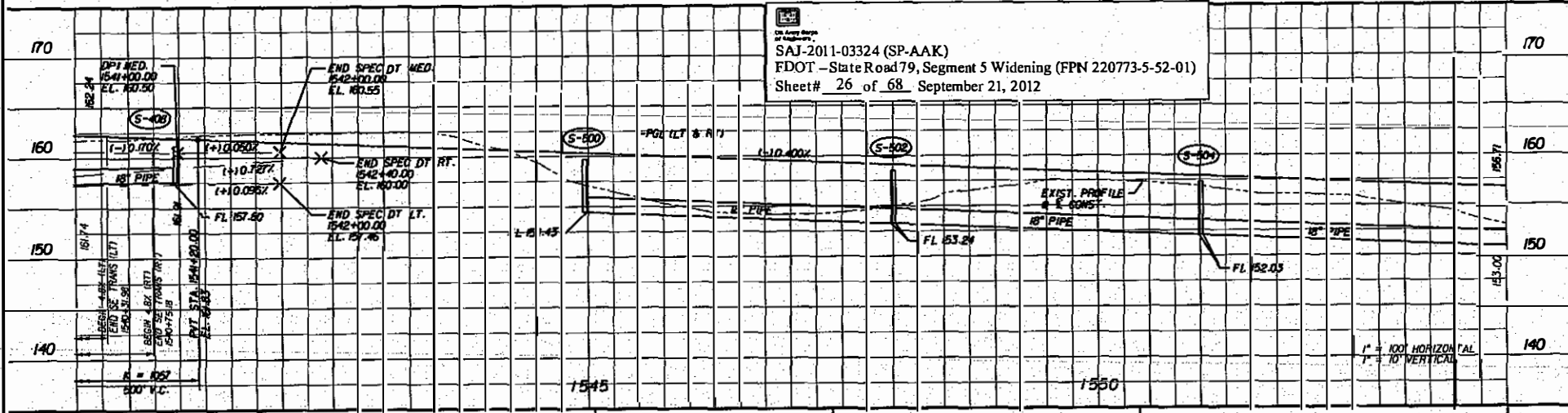
CURVE DATA CICON-2
 PI STA. = 1556+14.08
 DELTA = 98° 44' 22" (LT)
 D = 1° 59' 59"
 T = 1,612.35
 L = 2,937.18
 R = 2,865.00
 PC STA. = 1540+01.73
 PT STA. = 1569+38.92
 e = 0.048



LEGEND

PAVED SHOULDER	[Symbol]
PAVEMENT REMOVAL	[Symbol]
RESURFACING	[Symbol]
PAVEMENT WIDENING	[Symbol]

SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet# 26 of 68 September 21, 2012



REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

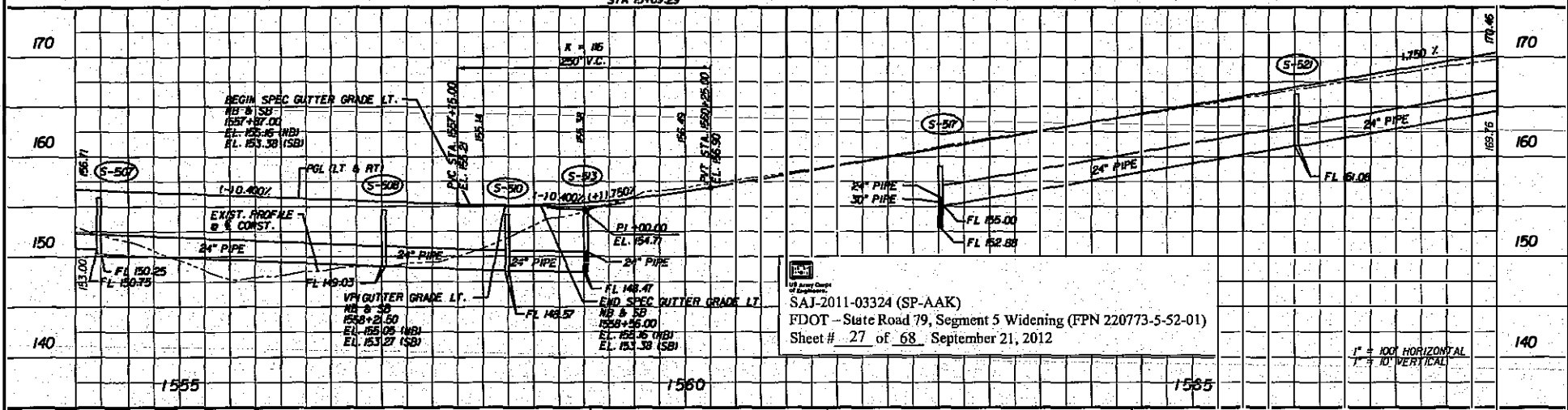
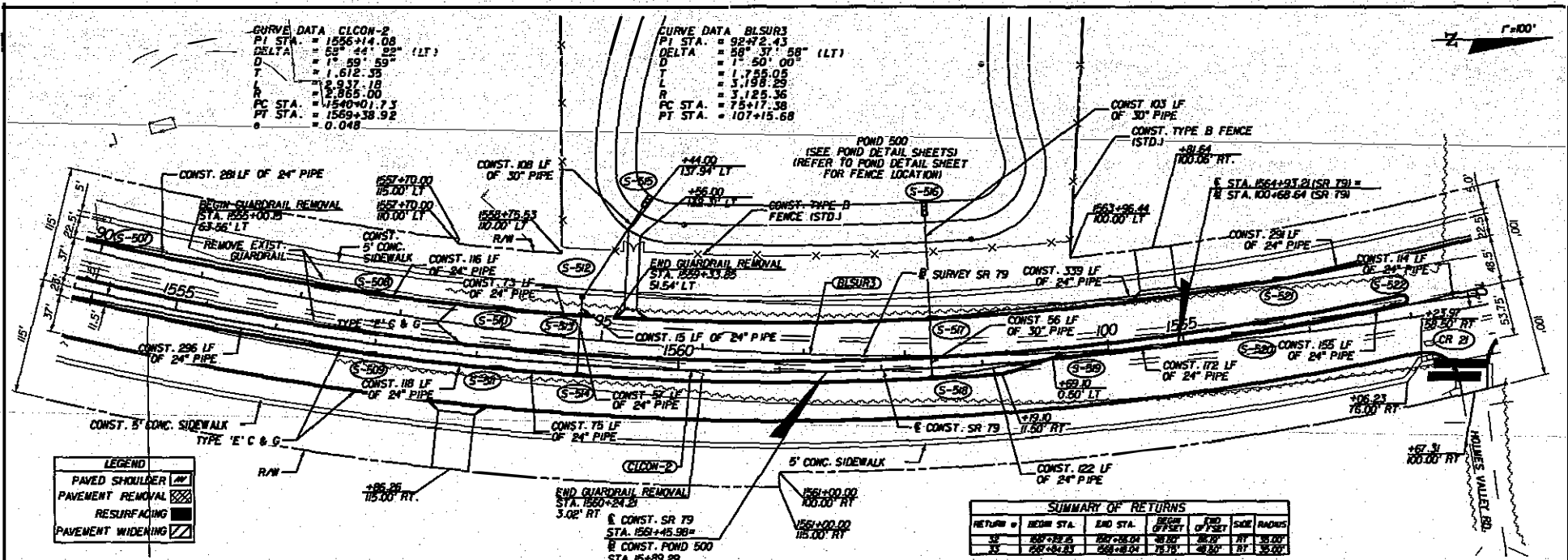
HNTB
 HNTB CORPORATION
 1725 CAPITAL CIRCLE NE
 TALLAHASSEE, FL 32308
 (904) 878-9777
 CERT. OF AUTH. NO. 6500
 ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 65964

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

PLAN AND PROFILE (13)

SHEET NO. 47



REVISIONS			DESCRIPTION		
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

HNTB CORPORATION
 1725 CAPITAL CIRCLE NE
 TALLAHASSEE, FL 32310
 (904) 978-9777
 CERT. OF AUTH. NO. 6500

ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62864

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

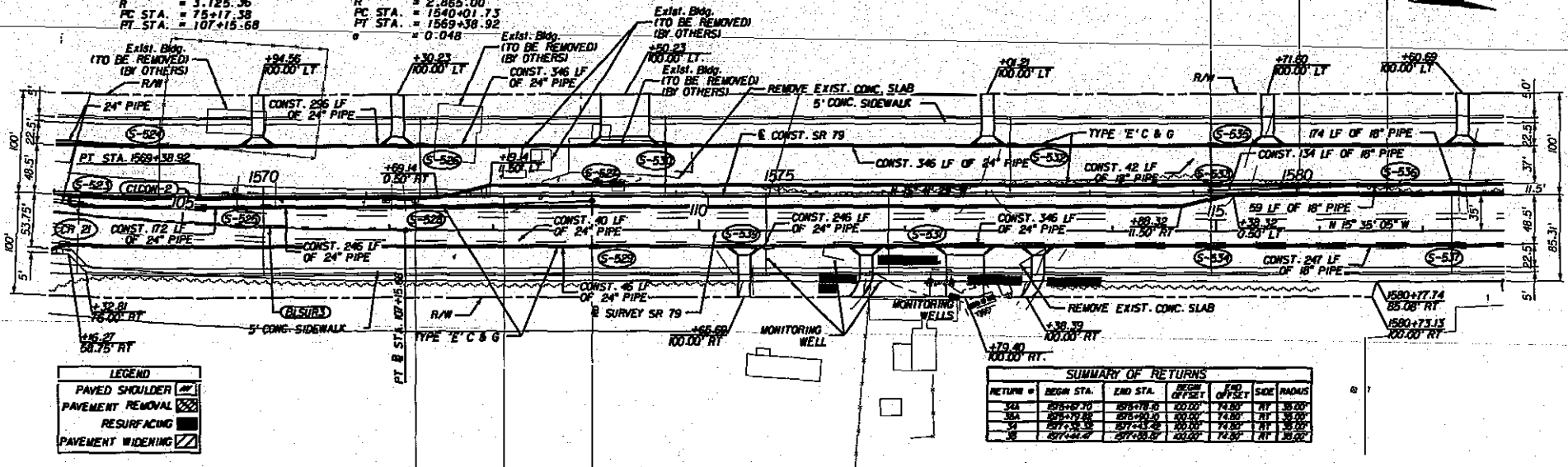
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

PLAN AND PROFILE (1-0)

SHEET NO. 48

CURVE DATA BLSURS
 P1 STA. = 89+72.43
 DELTA = 58° 51' 58" (LT)
 D = 1° 50' 00"
 T = 1,755.05
 L = 3,198.29
 R = 3,125.36
 PC STA. = 75+17.39
 PT STA. = 107+15.68

CURVE DATA CLCON-2
 P1 STA. = 1556+14.08
 DELTA = 58° 44' 22" (LT)
 D = 1° 59' 59"
 T = 1,612.35
 L = 2,937.18
 R = 2,865.00
 PC STA. = 1540+40.73
 PT STA. = 1559+39.92
 e = 0.048

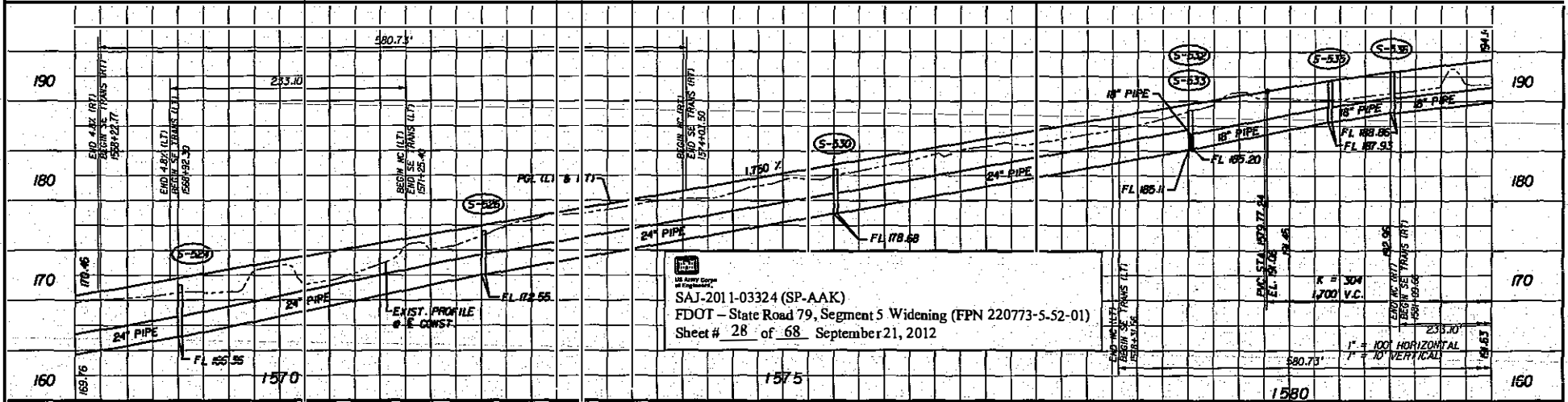


SUMMARY OF RETURNS

RETURN #	BEGIN STA.	END STA.	DEPTH OF CUT	FL. OF 24" PIPE	FL. OF 18" PIPE	SIDE RADIUS
30A	89+72.43	89+78.00	20.00'	74.80'	RT	35.00'
30B	89+72.43	89+78.00	20.00'	74.80'	RT	35.00'
30C	89+72.43	89+78.00	20.00'	74.80'	RT	35.00'
30D	89+72.43	89+78.00	20.00'	74.80'	RT	35.00'

LEGEND

PAVED SHOULDER	▨
PAVEMENT REMOVAL	▩
RESURFACING	▧
PAVEMENT WIDENING	▦



HNTB CORPORATION
 1725 CAPITAL CIRCLE NE
 TALLAHASSEE, FL 32309
 (904) 775-5777
 CERT. OF AUTH. NO. 62500

SAJ-201-1-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 28 of 68 September 21, 2012

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

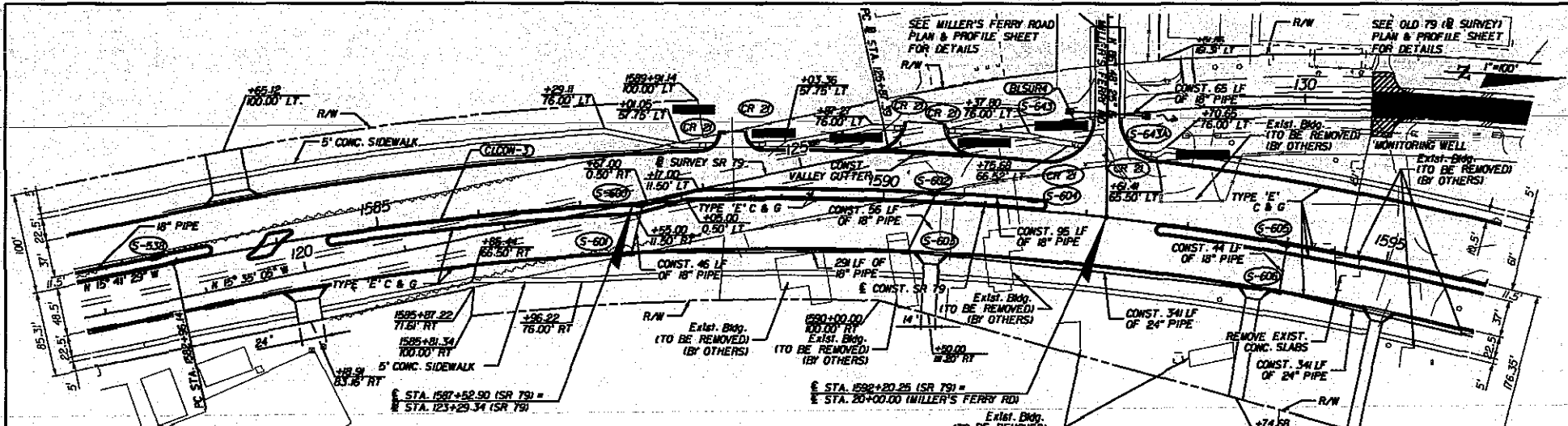
HNTB

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

PLAN AND PROFILE (15)

SHEET NO. 49



LEGEND

- PAVED SHOULDER
- PAVEMENT REMOVAL
- RESURFACING
- PAVEMENT WIDENING

CURVE DATA C1CON-3
 PI STA. = 1607+56.53
 DELTA = 81° 19' 46" (RT)
 D = 1" 89' 59"
 T = 2,480.43
 L = 4,066.93
 R = 2,865.00
 PC STA. = 1582+36.14
 PT STA. = 1623+62.07
 e = 0.048

CURVE DATA BLSUR4
 PI STA. = 143+73.51
 DELTA = 81° 12' 22" (RT)
 D = 2" 44' 59"
 T = 1,786.12
 L = 2,953.23
 R = 2,083.68
 PC STA. = 128+87.39
 PT STA. = 155+40.62

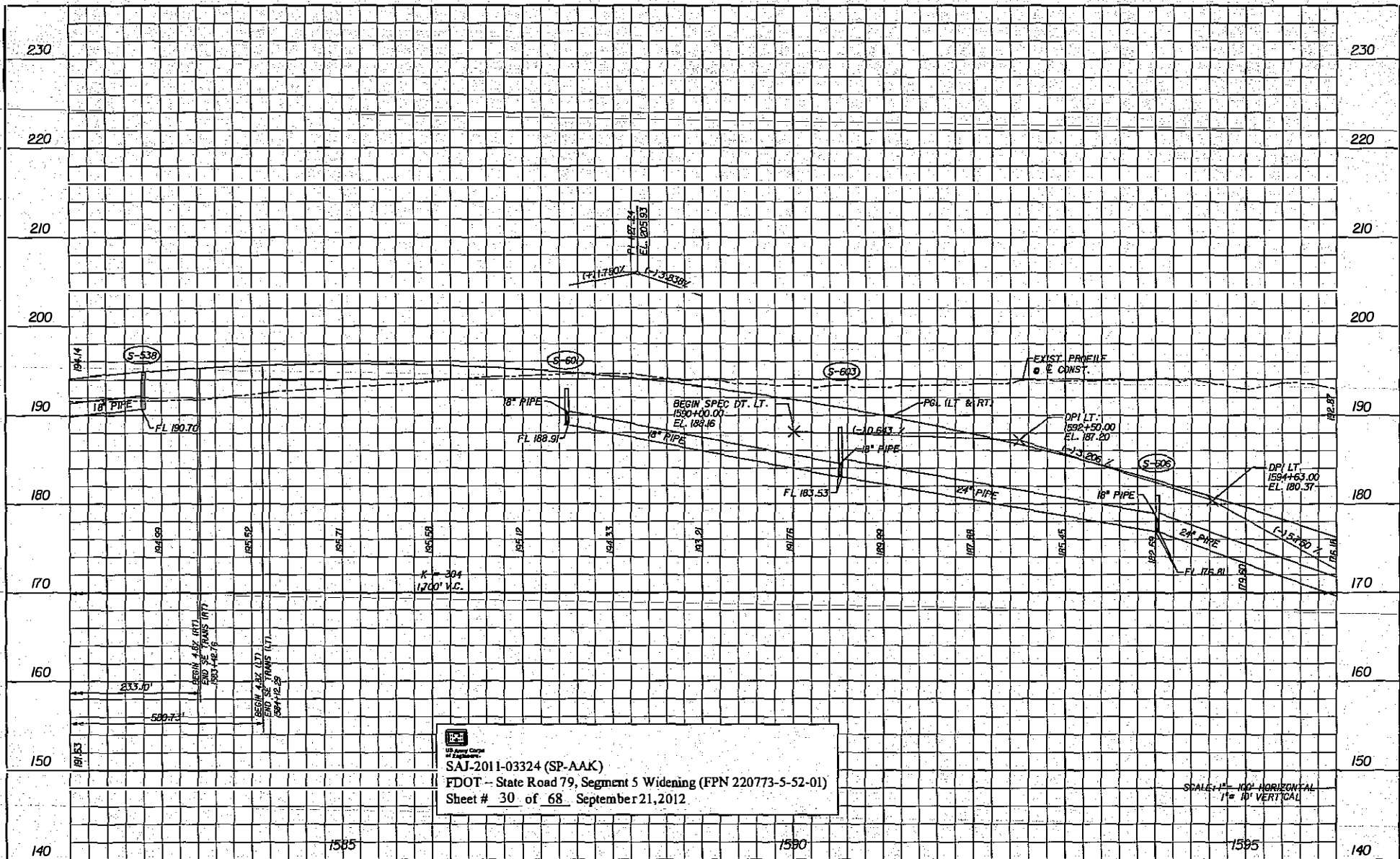
SUMMARY OF RETURNS


RETURN #	BEGIN STA.	END STA.	BEGIN OFFSET	END OFFSET	SIDE	RADIUS
10A	1588+31.80	1588+43.71	48.00	68.43	LT	20.00'
10B	1588+44.00	1588+61.71	68.29	48.20	LT	30.00'
10C	1588+65.30	1588+73.30	48.20	60.03	LT	30.00'
10D	1589+15.70	1589+48.71	20.00	41.50	LT	30.00'
10E	1589+62.50	1589+78.30	48.20	38.82	LT	48.00'
10F	1589+81.74	1589+84.90	60.48	60.50	LT	48.00'

SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 29 of 68 - September 21, 2012

DATE		BY	DESCRIPTION	DATE		BY	DESCRIPTION								
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p>HNTB <small>HNTB CORPORATION 125 CAPITAL CIRCLE, N.E. SUITE 800 TALLAHASSEE, FL 32308 (904) 876-9071 CERT. OF AUTH. NO. 6200</small></p> </div> <div style="text-align: center;"> <p>STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</p> <table border="1"> <tr> <td>ROAD NO.</td> <td>COUNTY</td> <td>FINANCIAL PROJECT ID</td> </tr> <tr> <td>79</td> <td>WASHINGTON</td> <td>220773-5-52-01</td> </tr> </table> </div> <div style="text-align: right;"> <p>PLAN AND PROFILE (16)</p> <table border="1"> <tr> <td>SHEET NO.</td> </tr> <tr> <td>50</td> </tr> </table> </div> </div>								ROAD NO.	COUNTY	FINANCIAL PROJECT ID	79	WASHINGTON	220773-5-52-01	SHEET NO.	50
ROAD NO.	COUNTY	FINANCIAL PROJECT ID													
79	WASHINGTON	220773-5-52-01													
SHEET NO.															
50															

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6095-23.003, F.A.C.




 SAJ-2011-03324 (SP-AAK)
 FDOT -- State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 30 of 68 September 21, 2012

SCALE: 1" = 100' HORIZONTAL
 1" = 10' VERTICAL

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

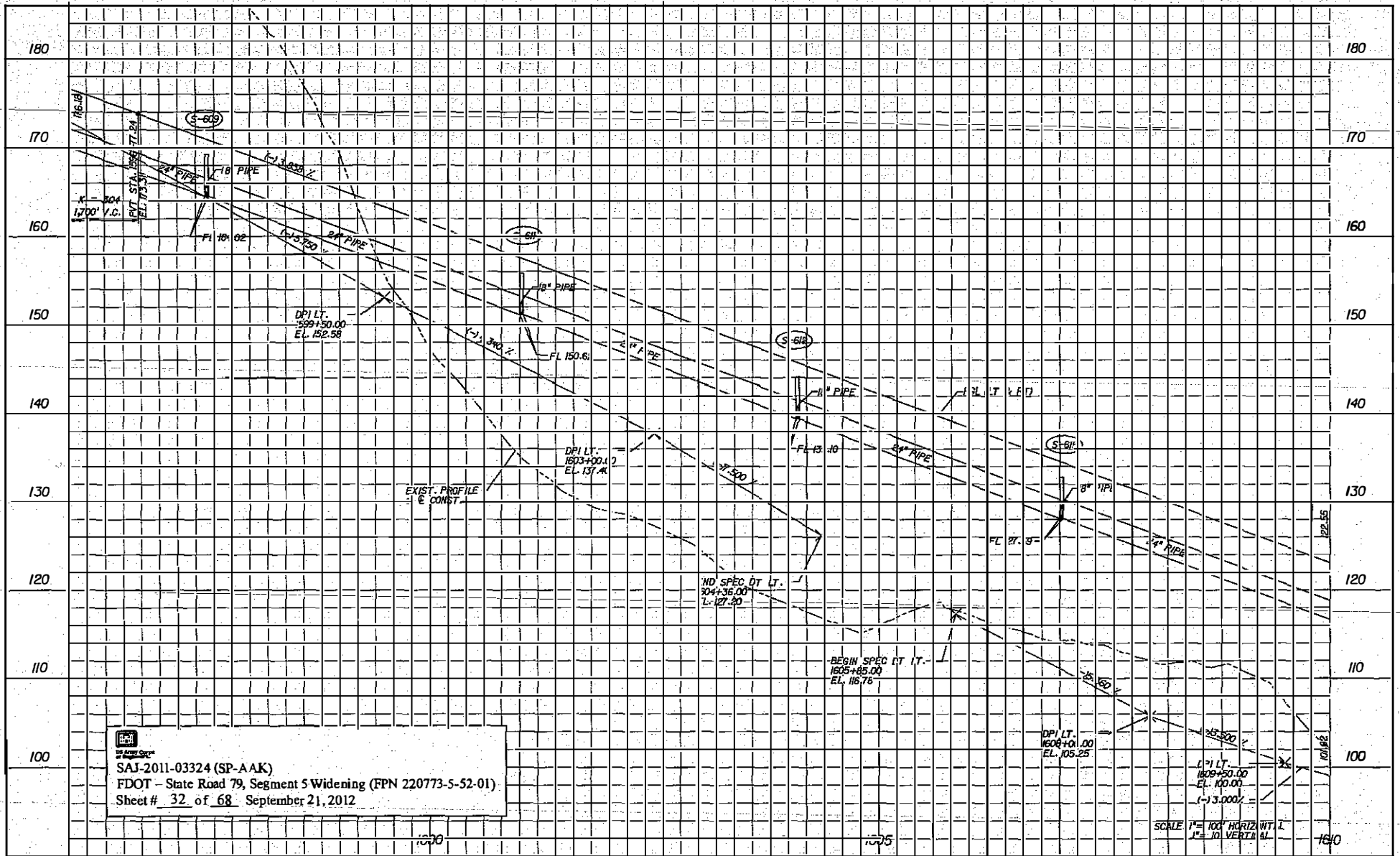
HNTB


 WITH CORRECTION
 SEE CATCHMENT CYCLE #2
 SUITE #31
 TALLAHASSEE, FL 32309
 (904) 478-9777
 CERT. OF AUTH. NO. 0320
 DESIGNER OF RECORD: RAMI PATTERSON, P.E.
 FL REGISTRATION NO. 62664

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

PLAN AND PROFILE (16A)
 SHEET NO. 51

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 60E-23.000, F.A.C.




 SAI-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 32 of 68 September 21, 2012

REVISIONS

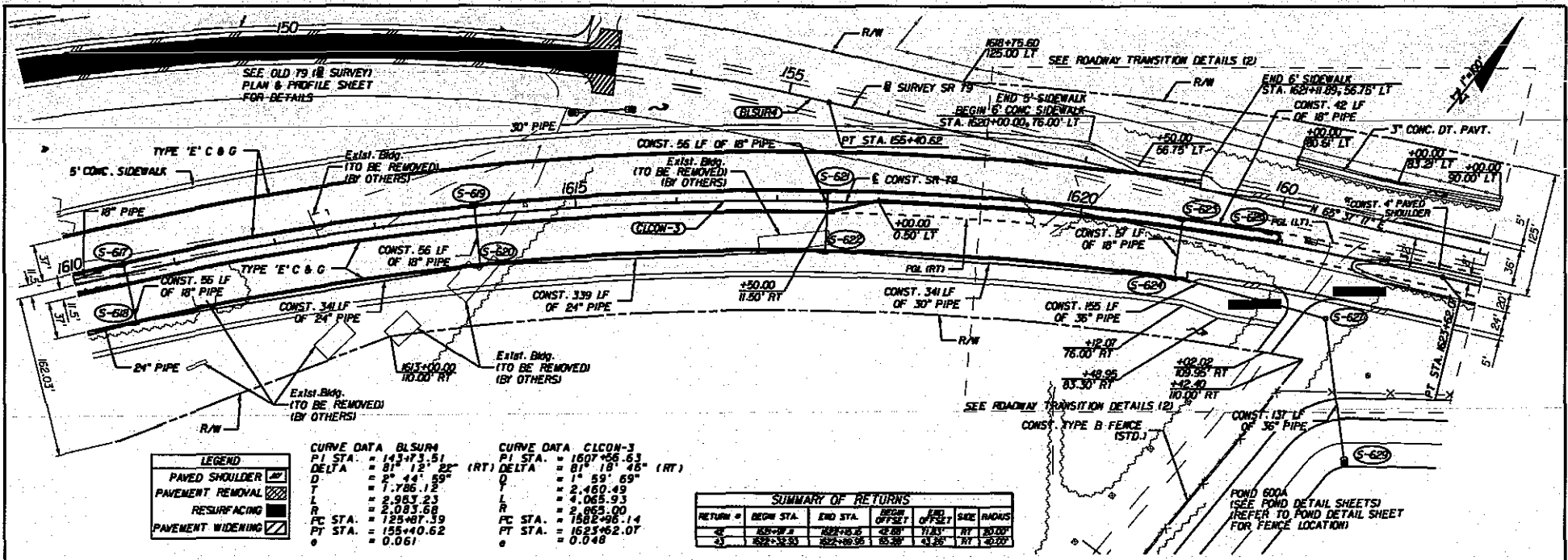
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

HNTB
 HNTB CORPORATION
 300 PRINCEN BLDG.
 SUITE 400
 LAKE MANA, FL 32746
 (904) 825-0333
 CERT. OF REG. NO. 62500
 ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62564

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. 79 COUNTY WASHINGTON FINANCIAL PROJECT ID 220773-5-52-01

PLAN AND PROFILE (17A)
 SHEET NO. 53

THE INFORMATION ON THIS SHEET IS THE PROPERTY OF HNTB. NO PART OF THIS SHEET IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.



LEGEND

	PAVED SHOULDER
	PAVEMENT REMOVAL
	RESURFACING
	PAVEMENT WIDENING

CURVE DATA BLSUR4	CURVE DATA CLCON-3
PI STA. = 143+73.51	PI STA. = 1607+56.63
DELTA = 81° 12' 22" (RT)	DELTA = 81° 18' 45" (RT)
D = 2° 44' 59"	D = 1° 59' 69"
T = 7.786.12	L = 2,460.49
L = 2,983.23	L = 4,065.93
R = 2,083.68	R = 2,965.00
PC STA. = 129+87.39	PC STA. = 1582+96.14
PT STA. = 155+40.62	PT STA. = 1623+62.07
e = 0.061	e = 0.048

SUMMARY OF RETURNS

RETURN #	BEGIN STA.	END STA.	BEGIN OFFSET	END OFFSET	SIDE	RADIUS
42	155+40.62	1623+62.07	42.00	71.83	RT	3000'
43	1592+32.95	1623+62.07	85.36	43.36	RT	4200'

URS
 SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening(FPN 220773-5-52-01)
 Sheet # 33 of 68, September 21, 2012

REVISIONS

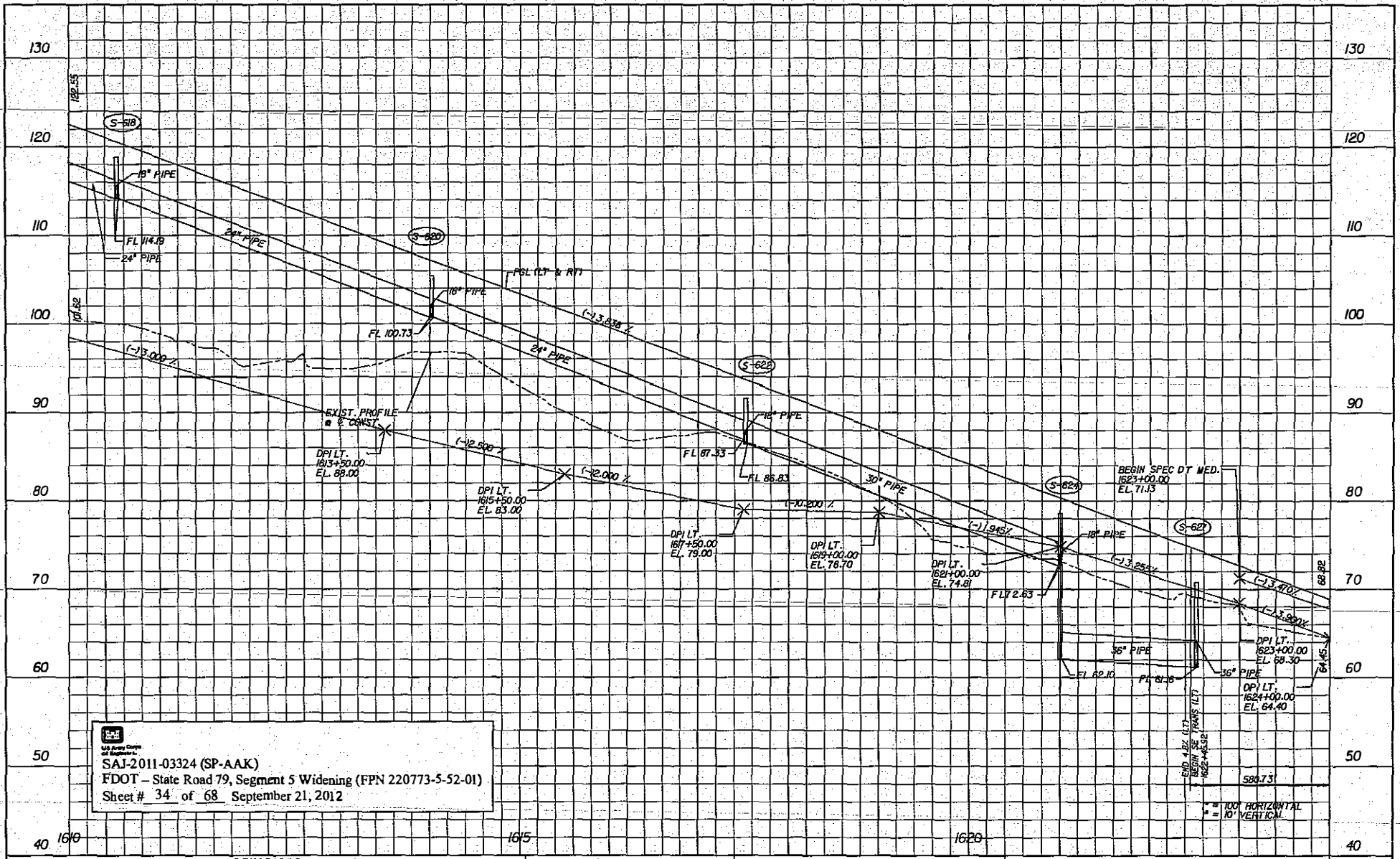
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION


HNTB
HNTB CORPORATION
 1225 CAPITAL CIRCLE, N.E.
 TALLAHASSEE, FL 32308
 (850) 878-9777
 CERT. OF AUTH. NO. 6500
 ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62864

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

PLAN AND PROFILE (18)

SHEET NO.
54




HNTB
 HNTB CORPORATION
 ONE CAPITAL CIRCLE NW
 SUITE 800
 TALLAHASSEE, FL 32309
 (904) 478-9777
 CERT. OF AUTH. NO. 6500
ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL. REGISTRATION NO. 62564

SAJ-2011-03324 (SP-AAK)
FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
Sheet # 34 of 68 September 21, 2012

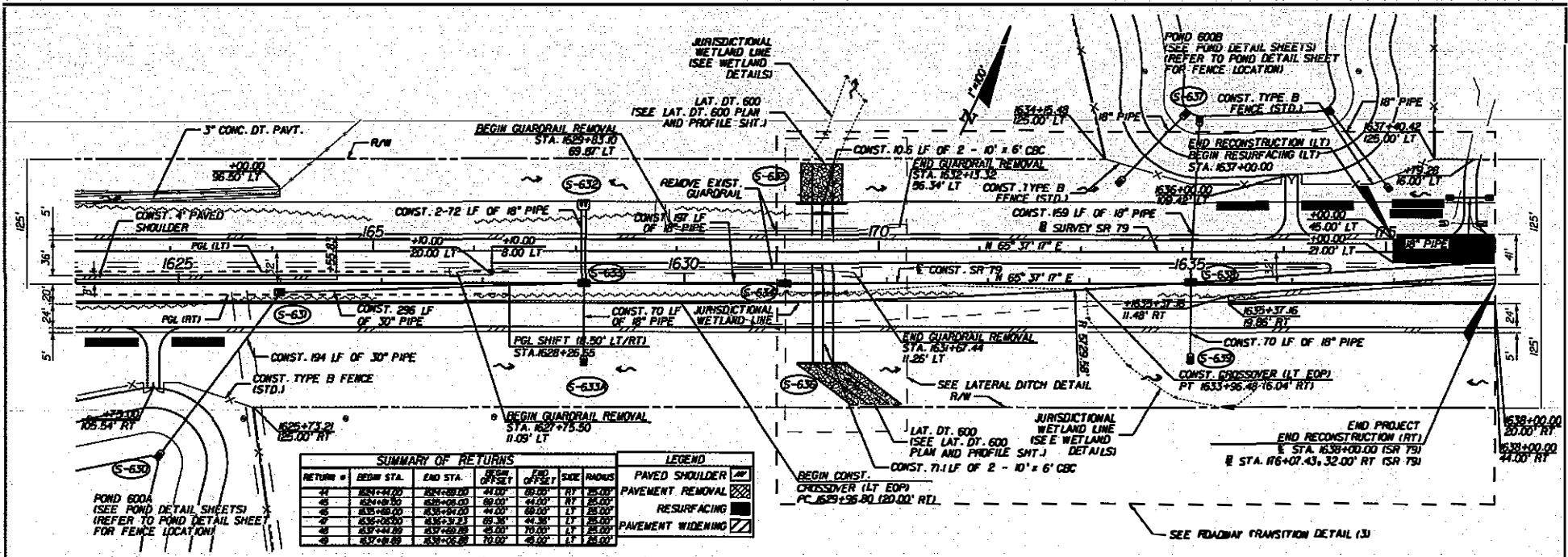
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

HNTB
 HNTB CORPORATION
 ONE CAPITAL CIRCLE NW
 SUITE 800
 TALLAHASSEE, FL 32309
 (904) 478-9777
 CERT. OF AUTH. NO. 6500
ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL. REGISTRATION NO. 62564

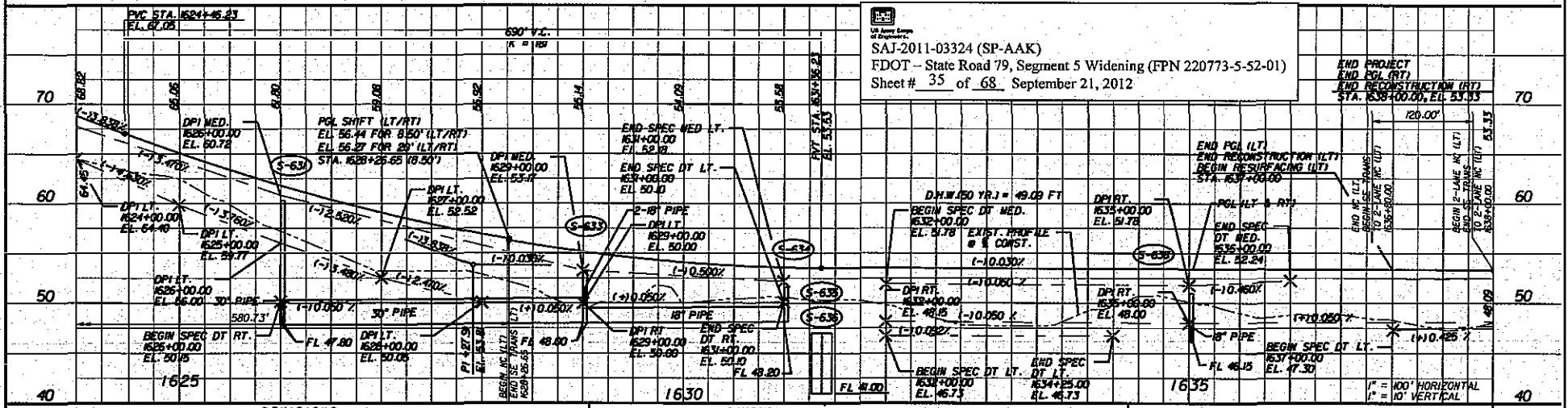
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

PLAN AND PROFILE (18A)
 SHEET NO. 55

HNTB CORPORATION IS THE ENGINEER OF RECORD FOR THIS PROJECT AND IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREON.



RETURN #	BEGIN STA.	END STA.	BEFORE OFFSET	END OFFSET	SIZE	RADIUS
41	1624+44.70	1624+08.00	44.00	08.00	18"	25.00'
42	1624+08.00	1624+06.00	08.00	06.00	18"	25.00'
43	1624+06.00	1624+00.00	06.00	00.00	18"	25.00'
44	1624+00.00	1623+52.33	00.00	52.33	18"	25.00'
45	1623+52.33	1623+44.80	52.33	44.80	18"	25.00'
46	1623+44.80	1623+06.00	44.80	06.00	18"	25.00'
47	1623+06.00	1623+00.00	06.00	00.00	18"	25.00'



REVISIONS			
DATE	BY	DESCRIPTION	

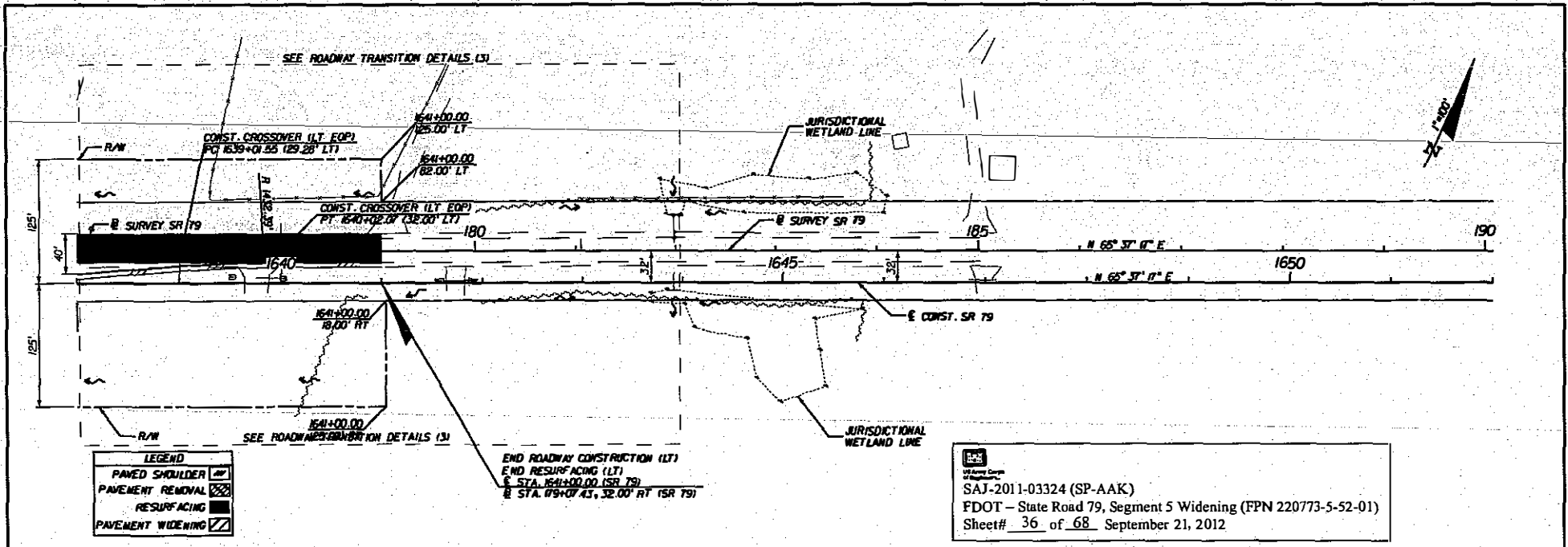
HNTB
 HNTB CORPORATION
 1025 CAPITAL CIRCLE, N.E.
 TALLAHASSEE, FL 32308
 (904) 878-9777
 CERT. OF AUTH. NO. 6800
 ENGINEER OF RECORD: RIAN PATTERSON, P.E.
 FL REGISTRATION NO. 62064

STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

PLAN AND PROFILE (19)

SHEET NO. 56

SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 35 of 68, September 21, 2012



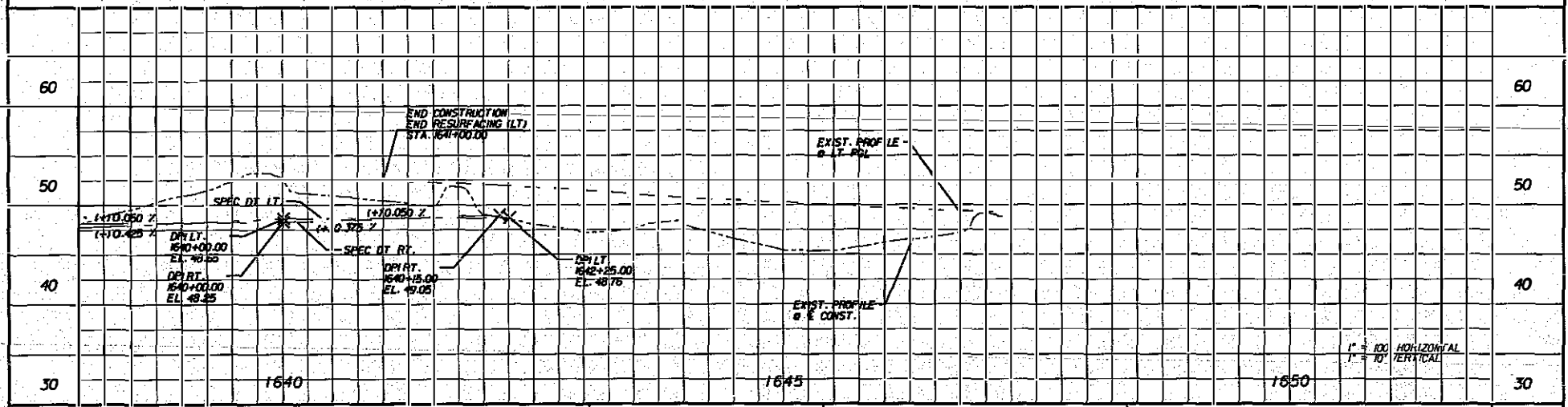
LEGEND

PAVED SHOULDER	
PAVEMENT REMOVAL	
RESURFACING	
PAVEMENT WIDENING	

SAJ-2011-03324 (SP-AAK)

 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)

 Sheet# 36 of 68 September 21, 2012



1" = 100' HORIZONTAL

 1" = 10' VERTICAL

REVISIONS			
DATE	BY	DESCRIPTION	DATE

HNTB CORPORATION

 1725 CAPITAL CIRCLE, NE

 TALLAHASSEE, FL 32307

 (850) 878-5777

 CERT. OF AUTH. NO. 6500

 ENGINEER OF RECORD: RYAN PATTERSON, P.E.

 FL REGISTRATION NO. 62954

STATE OF FLORIDA		
DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

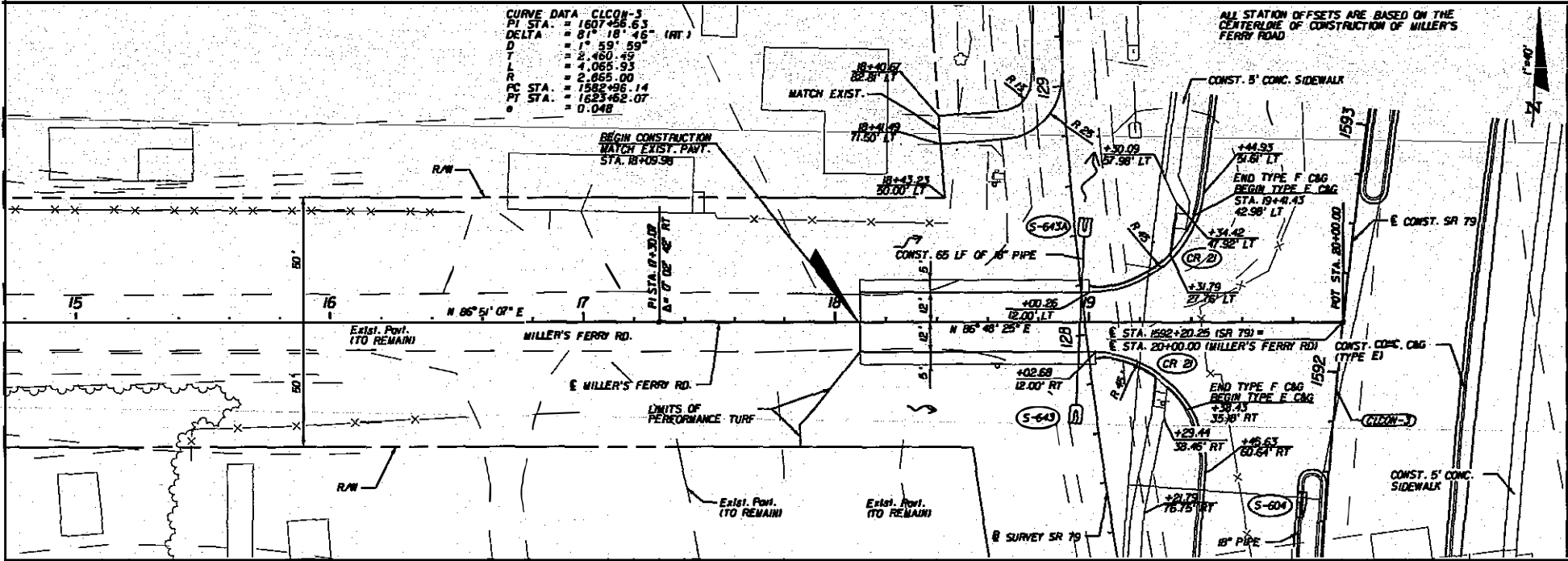
PLAN AND PROFILE (20)

SHEET NO.

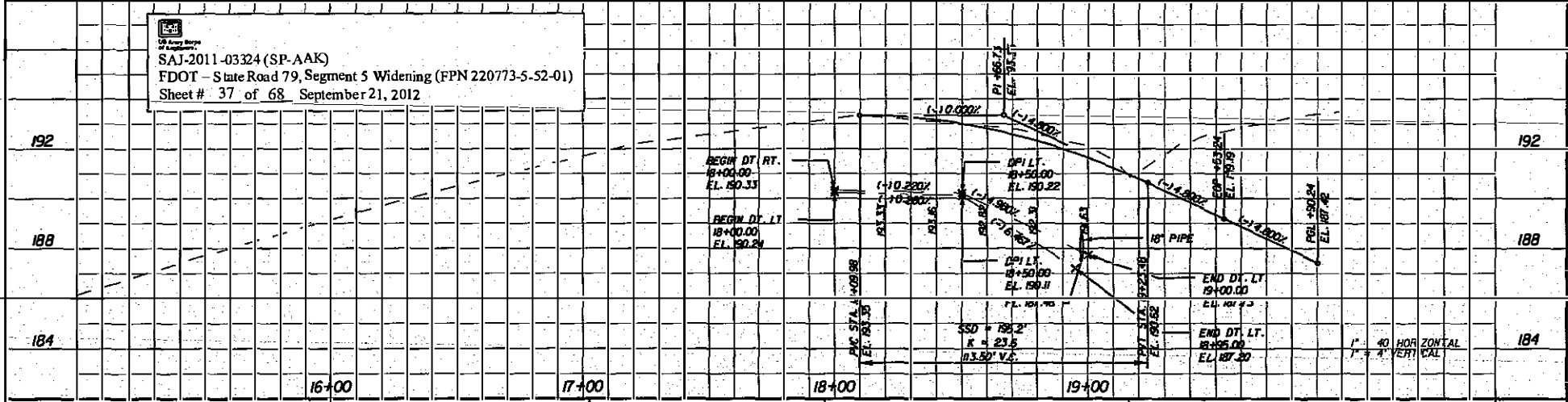
 57

CURVE DATA CLCON-3
 PI STA. = 1607+56.63
 DELTA = 81° 18' 46" (RT)
 D = 1" 59' 59"
 T = 2+480.48
 L = 4+065.93
 R = 2+665.00
 PC STA. = 1582+96.14
 PT STA. = 1623+62.07
 e = 0.048

ALL STATION OFFSETS ARE BASED ON THE CENTERLINE OF CONSTRUCTION OF MILLER'S FERRY ROAD



SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 37 of 68, September 21, 2012



REVISIONS			
DATE	BY	DESCRIPTION	DATE

HNTB
 HNTB CORPORATION
 1725 CAPITAL CIRCLE, N.E.
 TALLAHASSEE, FL 32309
 (850) 878-3077
 CERT. OF AUTH. NO. 6500

ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62864

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

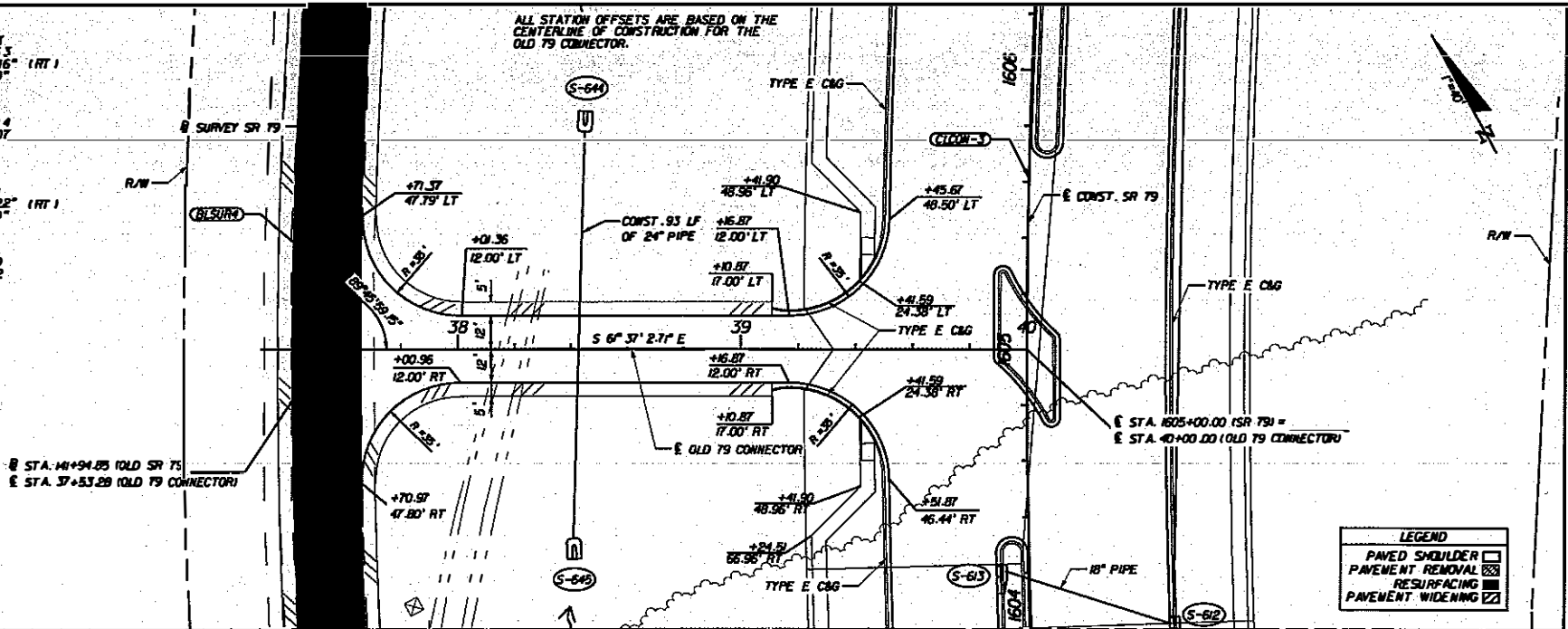
**PLAN AND PROFILE
 MILLER'S FERRY ROAD**

SHEET NO. 58

CURVE DATA C1C0N-3
 PI STA. = 1607+56.63
 DELTA = 81° 10' 46" (RT)
 D = 1° 59' 59"
 T = 2,460.49
 L = 4,065.93
 R = 2,865.00
 PC STA. = 1592+96.14
 PT STA. = 1623+62.07
 e = 0.048

CURVE DATA BLSUR4
 PI STA. = 143+73.61
 DELTA = 81° 12' 22" (RT)
 D = 2° 44' 59"
 T = 1,786.12
 L = 2,953.23
 R = 2,083.68
 PC STA. = 125+87.39
 PT STA. = 156+40.62
 e = 0.061

ALL STATION OFFSETS ARE BASED ON THE CENTERLINE OF CONSTRUCTION FOR THE OLD 79 CONNECTOR.



LEGEND	
	PAVED SHOULDER
	PAVEMENT REMOVAL
	RESURFACING
	PAVEMENT WIDENING

142

142

138

138

134

134

SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 38 of 68 September 21, 2012

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

REVISIONS			
DATE	BY	DESCRIPTION	DATE

HNTB
 HNTB CORPORATION
 1105 CAPITAL CIRCLE SE
 TALLAHASSEE, FL 32309
 (904) 878-8771
 CERT. OF AUTH. NO. 62500

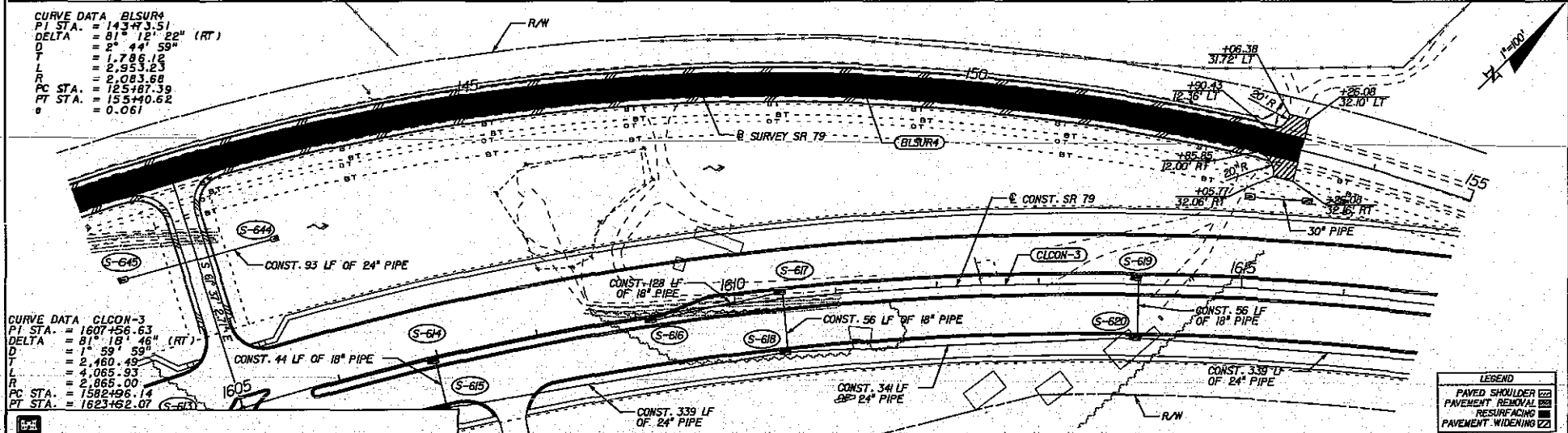
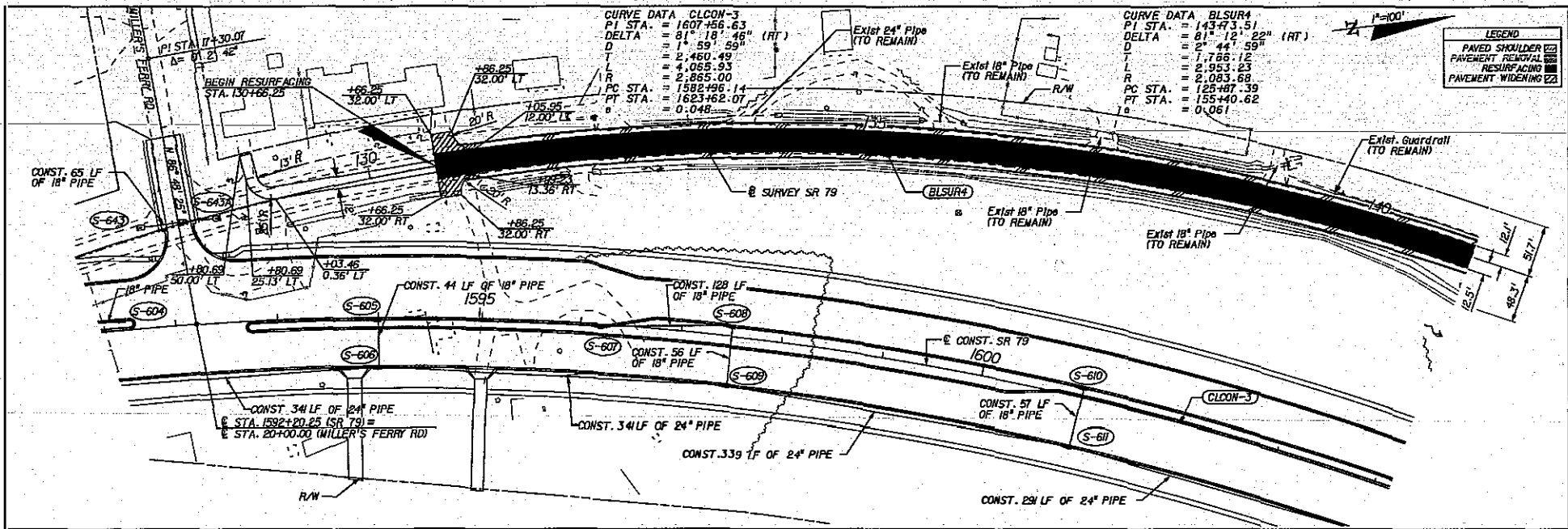
ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62504

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

**PLAN AND PROFILE
 OLD 79 CONNECTOR**

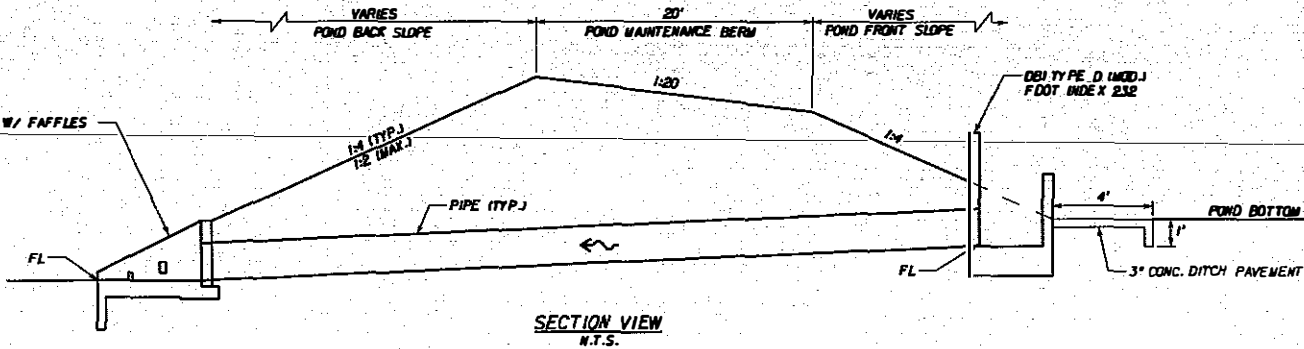
SHEET NO.
59



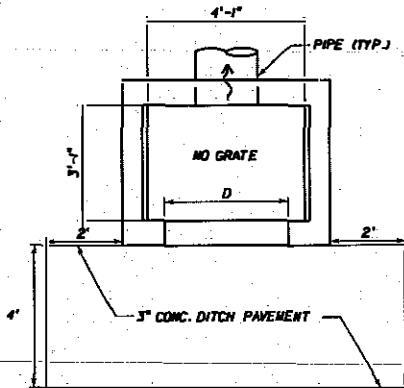
SAJ-2011-03324 (SP-AAK) FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01) Sheet# 39 of 68 September 21, 2012	HNTB HNTB CORPORATION 1725 CAPITAL CIRCLE, NE SUITE 200 TALLAHASSEE, FL 32310 (904) 497-8777 CERT. OF AUTH. NO. 6500 ENGINEER OF RECORD: RYAN PATTERSON P.E. FL REGISTRATION NO. 62264	STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION		PLAN SHEET OLD 79 (BL SURVEY)	SHEET NO. 60
		ROAD NO. 79	COUNTY WASHINGTON		

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 68B5-23.003, F.A.C.

CONST. U-TYPE E.W. W/ BAFFLES
FOOT INDEX 251



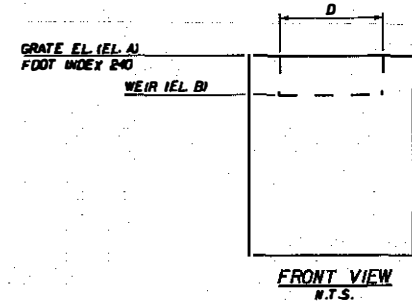
SECTION VIEW
N.T.S.



PLAN VIEW
N.T.S.

DBI TYPE D (MODIFIED)								
CONTROL STRUCTURE	R CONST.	LOCATION			ELEVATION			DIM.
		STA.	OFFSET	SIDE	A	B	FL	
CS-100A	POND 100A & 100B	14+18.50	47.24	LT	105.00	103.60	101.20	4"
CS-100B	POND 100A & 100B	12+44.09	50.45	LT	105.50	103.60	101.20	4"
CS-200A	POND 200A & 200B	13+51.36	95.84	RT	104.50	102.00	101.10	5"
CS-200B	POND 200A & 200B	14+61.27	86.19	RT	104.50	101.90	101.10	15"
CS-300	POND 300	16+61.49	61.57	RT	136.80	133.10	129.00	10"
CS-400	POND 400	10+39.55	55.05	RT	156.20	153.10	153.05	10"
CS-500	POND 500	12+12.60	159.25	RT	151.90	148.60	103.90	5"

U-TYPE ENDWALL WITH BAFFLES							
CONTROL STRUCTURE	R CONST.	LOCATION			FL	SLOPE	PIPE DIA.
		STA.	OFFSET	SIDE			
CS-100A2	POND 100A & 100B	13+87.96	85.08	LT	101.00	1:4	18"
CS-100B2	POND 100A & 100B	12+79.04	84.26	LT	101.00	1:4	18"
CS-200A2	POND 200A & 200B	13+88.23	95.15	RT	101.00	1:4	18"
CS-200B2	POND 200A & 200B	14+24.35	87.04	RT	101.00	1:4	18"
CS-301	POND 300	16+98.86	109.71	RT	127.00	1:4	24"
CS-401	POND 400	10+10.67	44.22	RT	153.00	1:4	24"
CS-501	POND 500	11+86.73	227.47	RT	133.00	1:3	24"



FRONT VIEW
N.T.S.



SAJ-2011-03324 (SP-AAK)
FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
Sheet # 40 of 68, September 21, 2012

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

HNTB
HNTB CORPORATION
1725 CAPITAL CIRCLE, NE
SUITE 200
TALLAHASSEE, FL 32308
(904) 879-5771
CERT. OF AUTH. NO. 12000

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

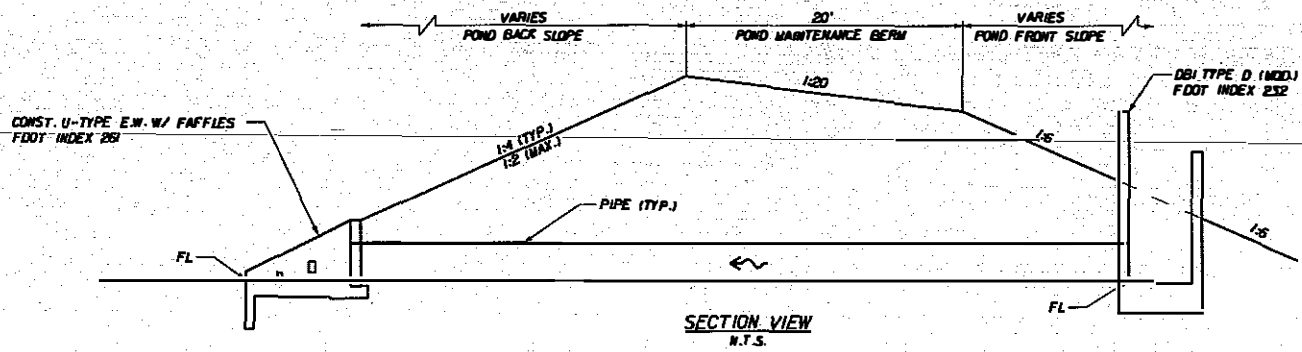
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

ENGINEER OF RECORD: RYAN PATTERSON, P.E.
FL REG. STRAP OR NO. 62564

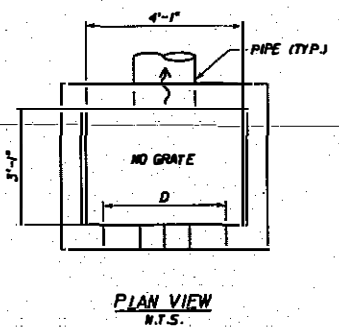
DRAINAGE DETAILS

SHEET NO. 114

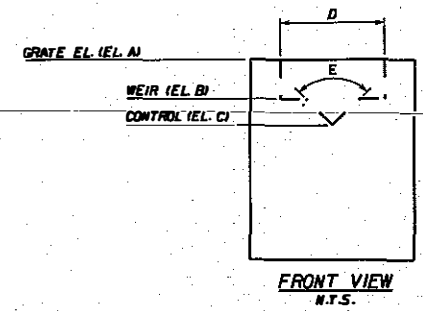
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 605-23.003, F.A.C.




DBI TYPE D (MODIFIED)										
CONTROL STRUCTURE	CONST.	LOCATION			ELEVATION				DIMENSION	
		STA.	OFFSET	SIDE	A	B	C	FL	D	E
CS-600A	POND 600A	17+11.40	152.09	LT	52.00	49.60	49.00	47.40	20"	108"
CS-600B	POND 600B	10+84.0	37.69	RT	47.50	44.60	44.00	42.40	4"	30"



U-TYPE ENDWALL WITH BAFFLES							
CONTROL STRUCTURE	CONST.	LOCATION			FL	SLOPE	PIPE
		STA.	OFFSET	SIDE	EL.	V:H	DIA.
CS-600A2	POND 600A	16+87.23	208.99	LT	47.00	1:4	24"
CS-600B2	POND 600B	10+28.39	37.69	RT	42.00	1:6	18"




 SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 41 of 68, September 21, 2012.

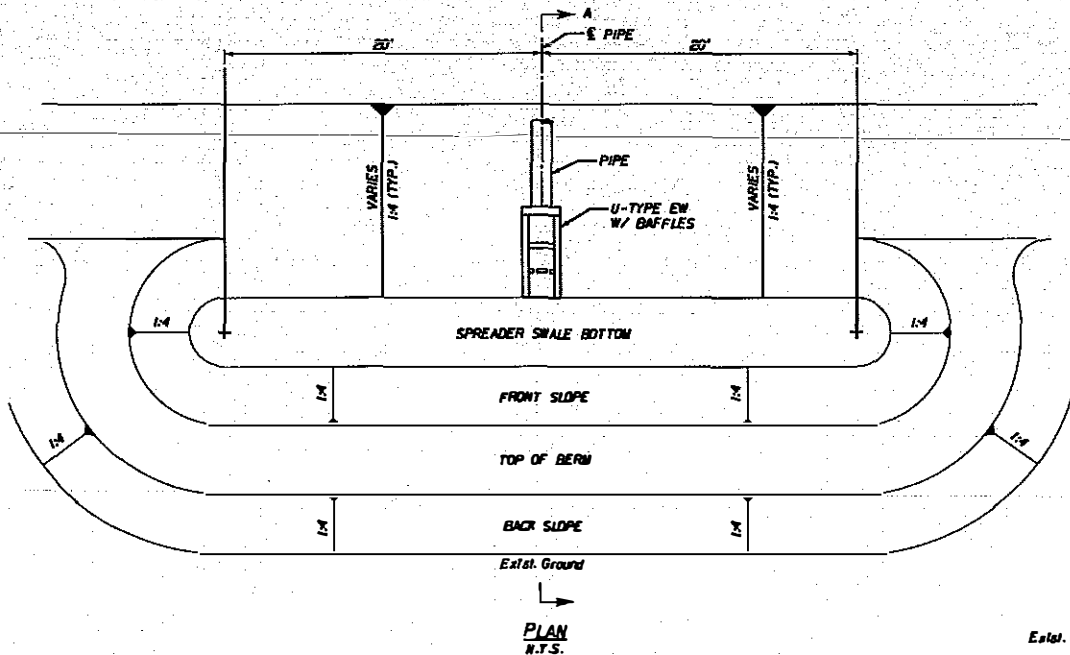
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

HNTB
 HNTB CORPORATION
 1765 CAPITAL CIRCLE NE
 SUITE 200
 TALLAHASSEE, FL 32308
 (904) 878-9777
 CENT. OF MATH. NO. 6500
 ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62564

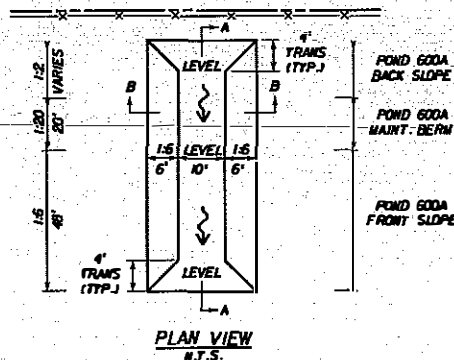
STATES OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. COUNTY FINANCIAL PROJECT ID
 79 WASHINGTON 220773-5-52-01

DRAINAGE DETAILS
 SHEET NO. 115

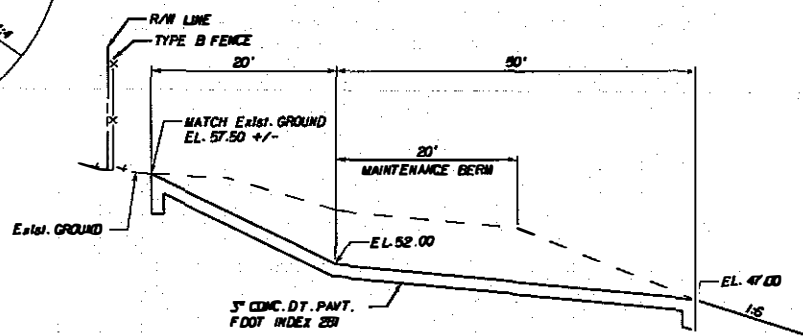
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 6805-23.001, F.A.C.



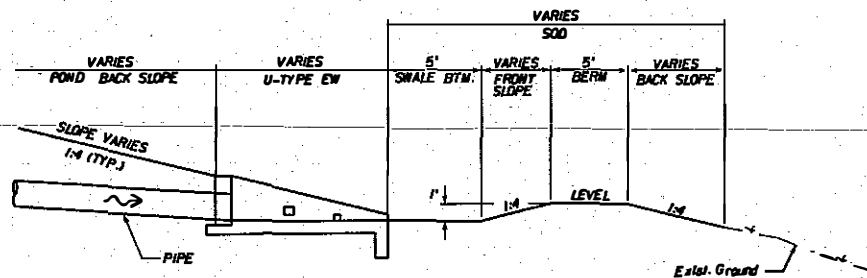
PLAN
N.T.S.



PLAN VIEW
N.T.S.

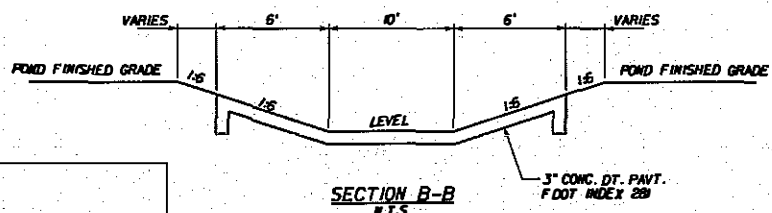


SECTION A-A
N.T.S.



SECTION A-A
N.T.S.

SPEADER SWALE DETAIL
N.T.S.



SECTION B-B
N.T.S.

POND 600A FLUME DETAIL
N.T.S.

HNTB
 HNTB CORPORATION
 1225 CAPITAL CIRCLE, NE
 SUITE 201
 TALLAHASSEE, FL 32308
 (904) 878-5811
 CERT. OF AUTH. NO. 6200

SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet# 42 of 68 September 21, 2012

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

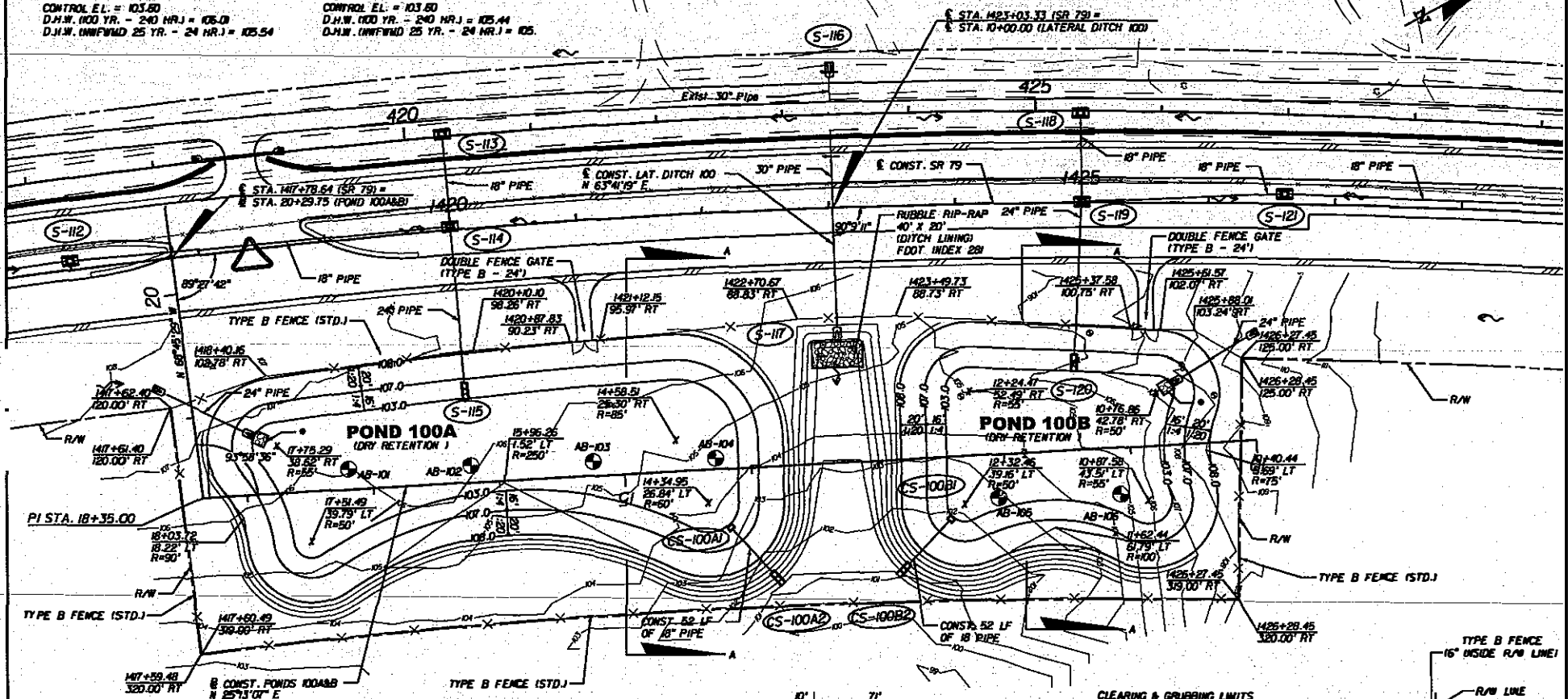
HNTB			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01	79	WASHINGTON	220773-5-52-01

DRAINAGE DETAILS		SHEET NO.
		116

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

POND 100A
 E.S.N.M.L. = 98.0
 CONTROL EL. = 103.60
 D.H.M. 100 YR. - 240 NR.J. = 106.0
 D.H.M. UNIFORM 25 YR. - 24 NR.J. = 105.54

POND 100B
 E.S.N.M.L. = 94.7
 CONTROL EL. = 103.60
 D.H.M. 100 YR. - 240 NR.J. = 105.44
 D.H.M. UNIFORM 25 YR. - 24 NR.J. = 105.

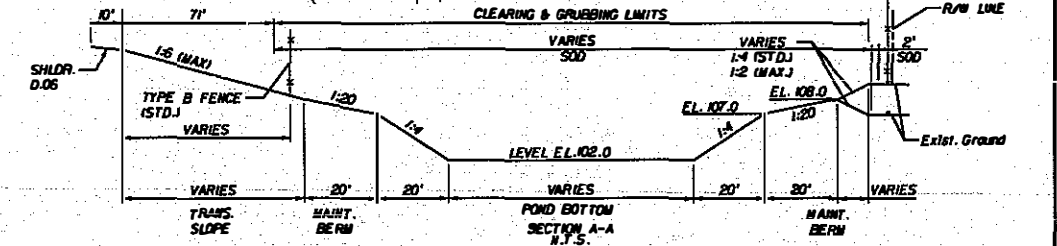


1" = 2' RUBBLE RIP-RAP (DITCH LINING)
 FOOT INDEX 2B1

SEE DRAINAGE DETAIL SHEETS
 FOR WEIR CONTROL STRUCTURE DETAIL

BORING	STATION	OFFSET
AB-101	17+19.4	6.85' RT
AB-102	6+22.4	14.2' RT
AB-103	15+25.02	11.40' RT
AB-104	14+29.03	8.78' RT
AB-105	12+05.50	34.90' LT
AB-106	11+09.17	37.64' LT

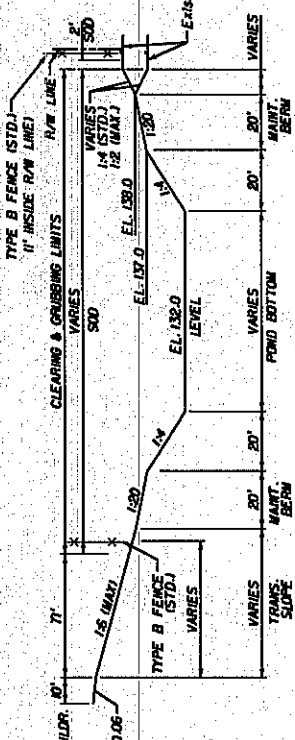
APPROXIMATE BORING LOCATION



SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet# 43 of 68 September 21, 2012

DESCRIPTION	 HNTB CORPORATION 825 CAPITAL CIRCLE NE SUITE 200 TALLAHASSEE, FL 32309 (904) 878-9777 CERT. OF AUTH. NO. E600	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		SHEET NO. 117
		ROAD NO.	COUNTY	
	ENGINEER OF RECORD: RYAN PATTERSON, P.E. FL REGISTRATION NO. 62864	79	WASHINGTON	220773-5-52-01

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



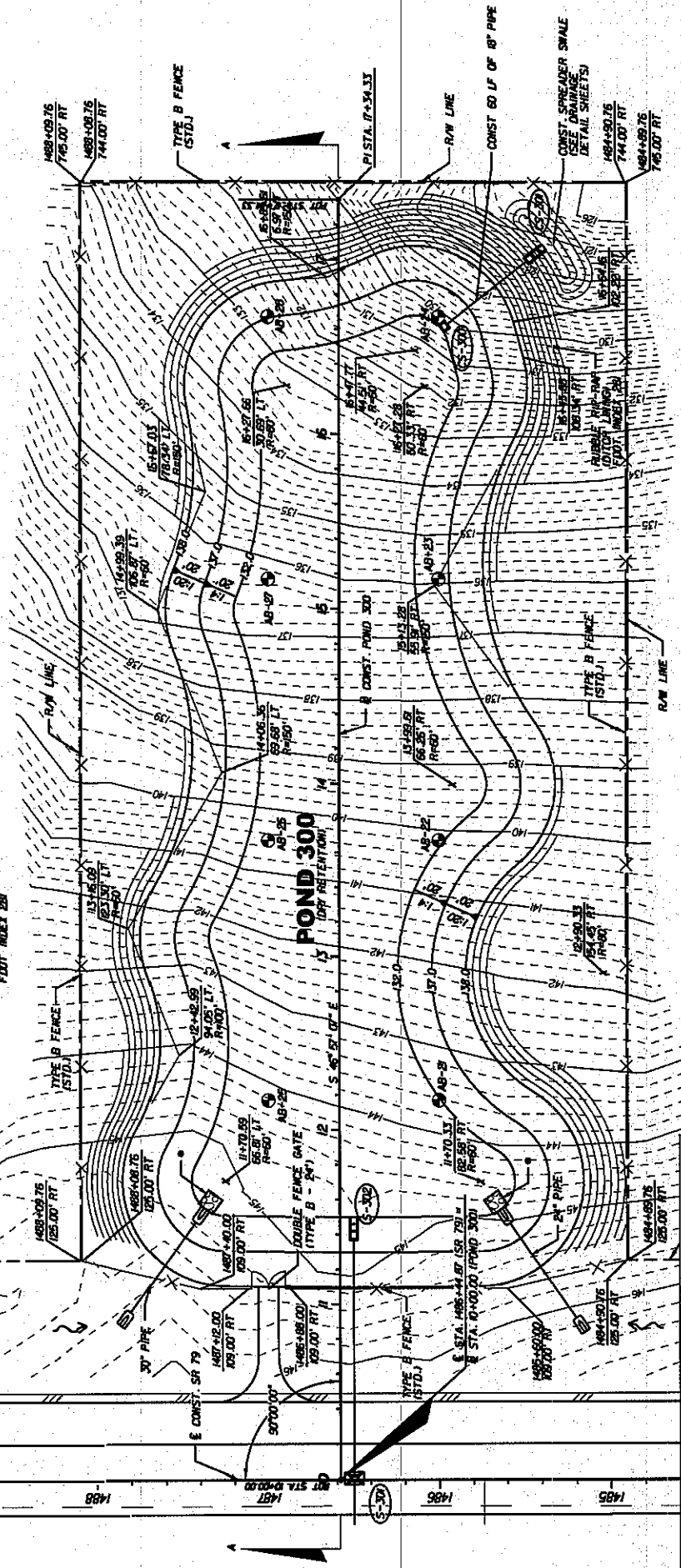
BORING	STATION	OFFSET	BORING	STATION	OFFSET
AB-20	12+17.02	58.35 RT	AB-25	12+17.02	41.67 LT
AB-22	13+17.02	58.35 RT	AB-26	13+17.00	41.67 LT
AB-23	15+17.00	58.34 RT	AB-27	15+17.00	41.65 LT
AB-24	16+17.00	58.34 RT	AB-28	16+17.00	41.65 LT

APPROXIMATE BORING LOCATION

ES-HWT = 135.0
 CONTROL E.L. = 131.0
 D.M.W. (100 YR. - 240 HR.) = 135.05
 D.M.W. (INFWD 25 YR. - 24 HR.) = 135.36

SEE DRAINAGE DETAIL SHEETS
 FOR CONTROL STRUCTURE DETAILS

• 10' x 10' RUBBLE RIP-RAP (DITCH LINING)
 FOOT INCHES 25R



SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 45 of 68, September 21, 2012

HNTB
 HNTB CONSULTANTS
 200 CAPITAL CIRCLE, #4
 SUITE 200
 PALM BEACH, FL 33408
 CENT. OF MTH. NO. 0000
 LICENSE OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 00984

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 COUNTY: WASHINGTON
 ROAD NO.: 79
 FINANCIAL PROJECT ID: 220773-5-52-01

SHEET NO. 45 OF 68
 SHEET NO. 19

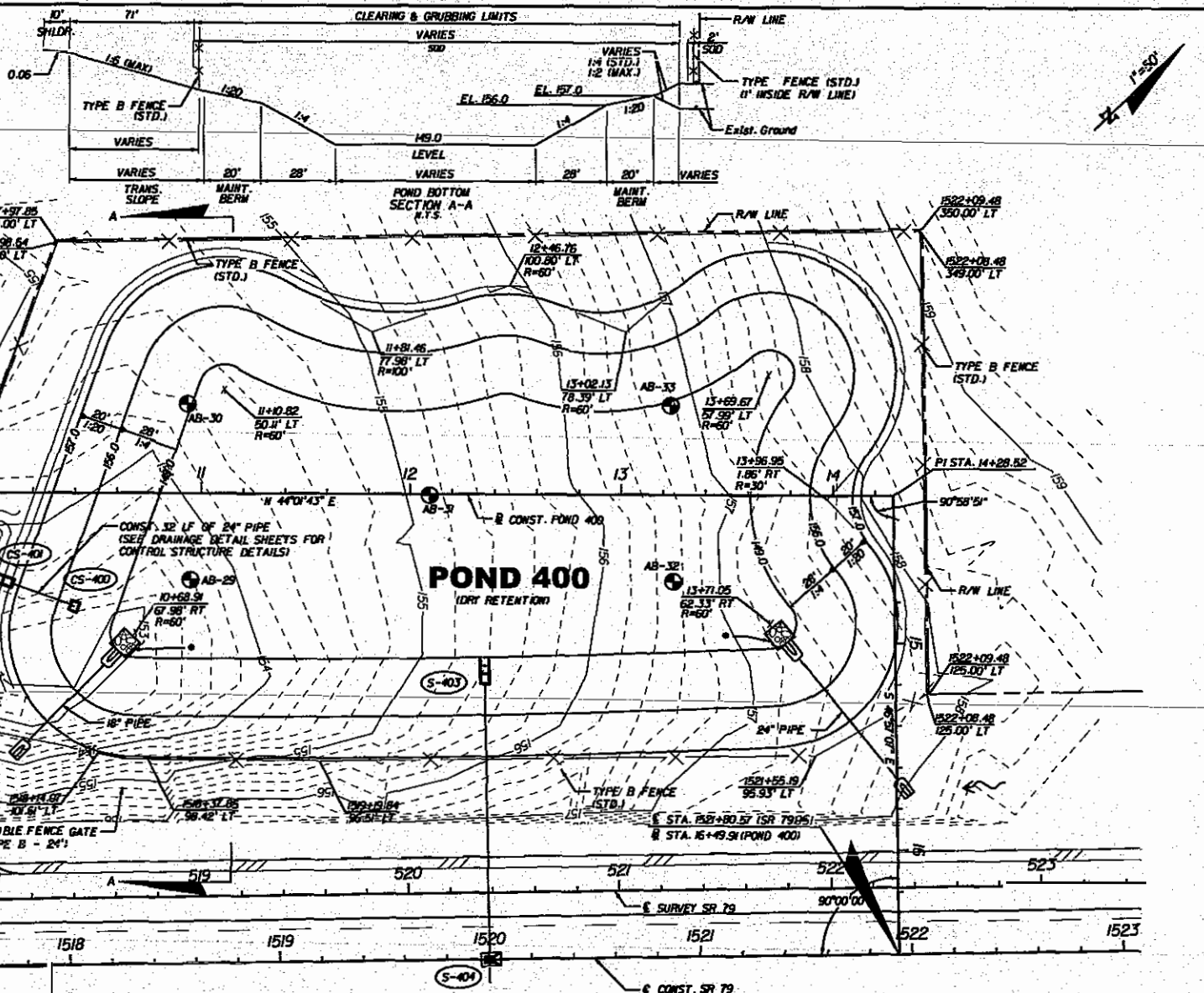
BORING	STATION	OFFSET
AB-29	10+94.90	42.02' RT
AB-30	10+93.43	42.99' LT
AB-31	12+09.19	0.55' RT
AB-32	13+24.92	42.01' RT
AB-33	13+23.47	42.99' LT

APPROXIMATE BORING LOCATION

E.S.H.W.T. = 145.3
 CONTROL E.L. = 153.10
 D.N.W. (100 YR. - 240 HR.) = 65.25
 D.N.W. (100 YR. - 24 HR.) = 154.35
 D.N.W. (100 YR. - 96 HR.) = 154.01

10' x 10' PURPLE RIP-RAP (DITCH LINING)
 FOOT INDEX 20

CONST. SPREADER SWALE
 (SEE DRAINAGE DETAIL SHEETS)



SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 46 of 68 September 21, 2012

DESCRIPTION

HNTB
 HNTB CORPORATION
 1215 CAPITAL CIRCLE, NE
 SUITE 201
 TALLAHASSEE, FL 32308
 (904) 978-9777
 CERT. OF AUTH. NO. 6500
 ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 5284

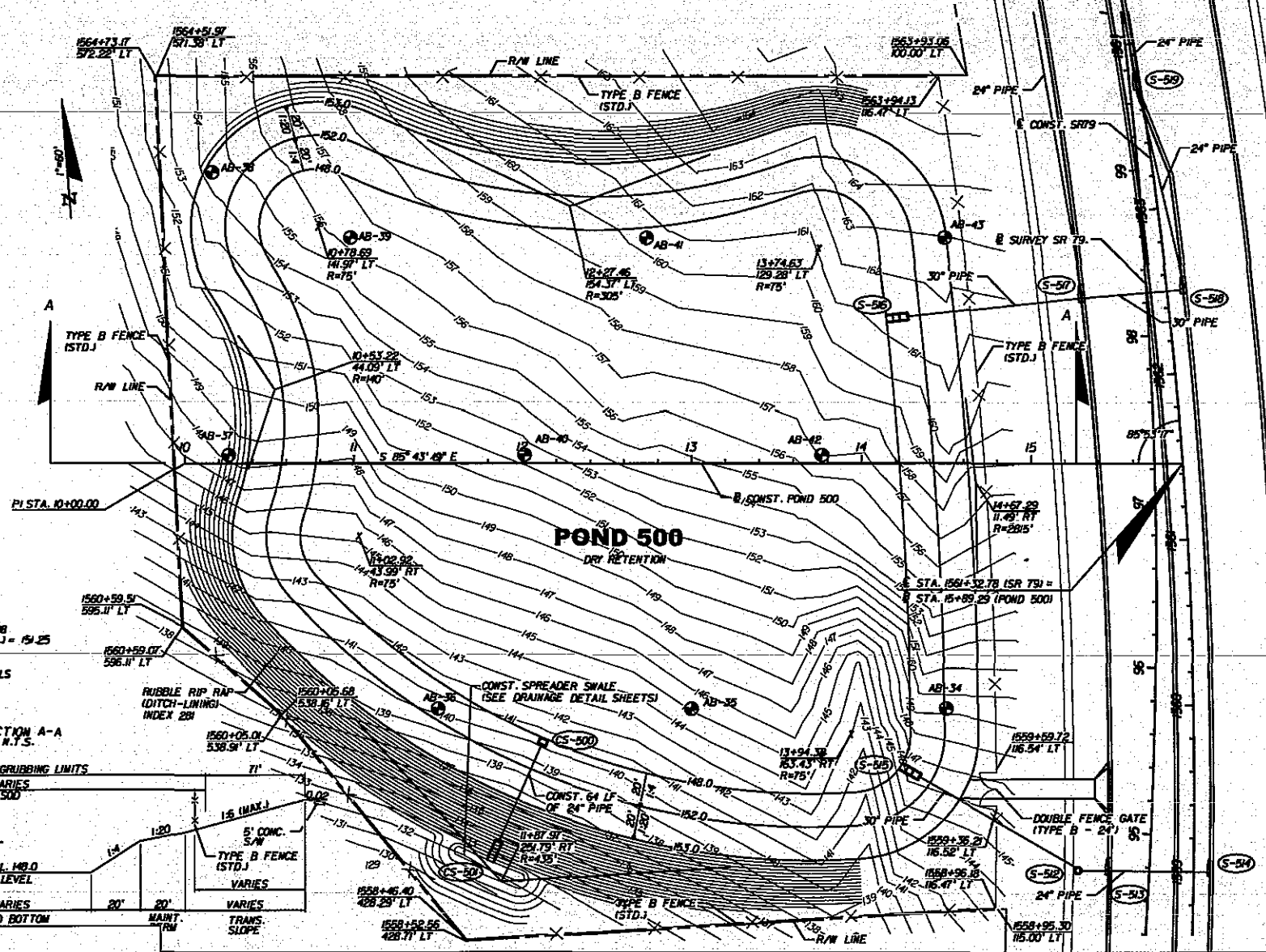
STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. 79 COUNTY WASHINGTON FINANCIAL PROJECT ID 220773-5-52-01

POND 400 DETAIL
 SHEET NO. 120

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

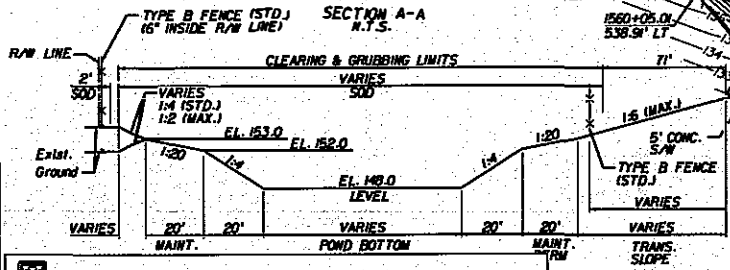
BORING	STATION	OFFSET
AB-34	14+50.38	148.04 RT
AB-35	13+00.07	148.04 RT
AB-36	11+50.35	148.04 RT
AB-37	10+25.93	5.05' LT
AB-38	10+16.13	174.92' LT
AB-39	10+97.70	135.97' LT
AB-40	12+01.38	5.05' LT
AB-41	12+73.18	135.61 LT
AB-42	13+76.79	5.05' LT
AB-43	14+48.59	135.61 LT

⊙ APPROXIMATE BORING LOCATION



E.S.N.W.L. = 140
 CONTROL EL. = 148.60
 D.N.W. (100 YR. - 24 HR.) = 152.08
 D.N.W. (100 YR. - 24 HR.) = 151.25

SEE DRAINAGE DETAIL SHEETS
 FOR CONTROL STRUCTURE DETAILS



SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 47 of 68 September 21, 2012

DESCRIPTION

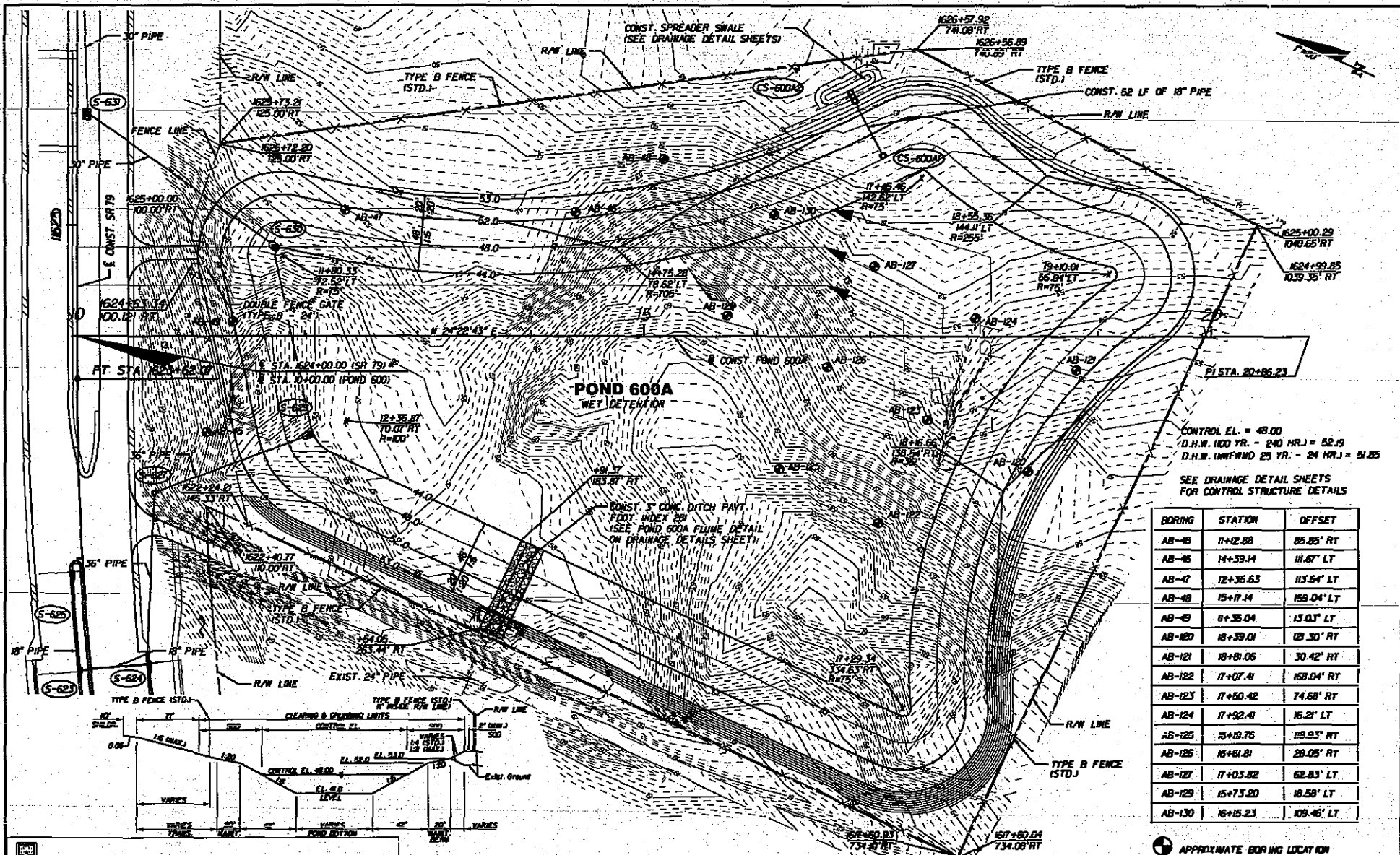
HNTB
 HNTB CORPORATION
 7700 CAPITAL CIRCLE, N.E.
 SUITE 20
 TALLAHASSEE, FL 32309
 (904) 497-5577
 CERT. OF AUTH. NO. 6800

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

POND 500 DETAIL

SHEET NO.
121

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



CONTROL EL. = 49.00
 D.H.W. (100 YR. - 240 HR.) = 52.19
 D.H.W. (100 YR. - 24 HR.) = 51.25
 SEE DRAINAGE DETAIL SHEETS
 FOR CONTROL STRUCTURE DETAILS

BORING	STATION	OFFSET
AB-45	11+42.88	85.85' RT
AB-46	14+39.14	11.67' LT
AB-47	12+35.63	113.54' LT
AB-48	15+17.14	159.04' LT
AB-49	11+35.04	13.03' LT
AB-120	18+39.01	121.50' RT
AB-121	18+81.06	30.42' RT
AB-122	17+07.41	158.04' RT
AB-123	17+50.42	74.68' RT
AB-124	17+92.41	16.21' LT
AB-125	15+19.76	129.93' RT
AB-126	15+61.81	28.05' RT
AB-127	17+03.82	62.83' LT
AB-129	15+73.20	18.58' LT
AB-130	16+15.23	109.46' LT

APPROXIMATE BORING LOCATION

SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN220773-5-52-01)
 Sheet # 48 of 68 September 21, 2012

DESCRIPTION

HNTB
 HNTB CORPORATION
 1725 CAPITAL CIRCLE NE
 SUITE 200
 TALLAHASSEE, FL 32308
 (904) 878-9777
 CERT. OF AUTH. NO. 6500

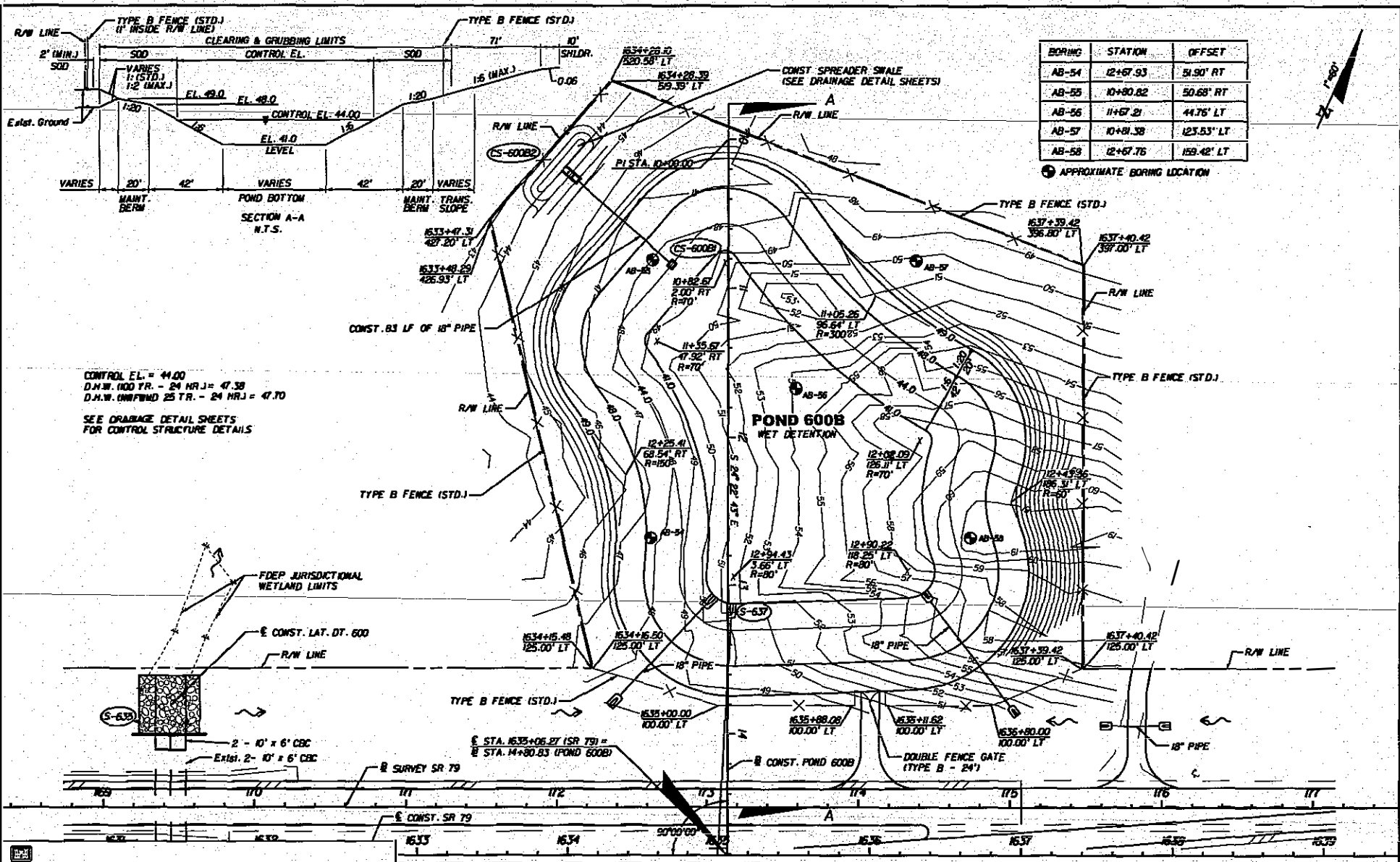
ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62564

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

POND 600A DETAIL

SHEET NO.
122

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 605-21.003, F.A.C.



BORING	STATION	OFFSET
AB-54	12+67.93	51.90' RT
AB-55	10+90.82	50.68' RT
AB-56	11+67.21	44.76' LT
AB-57	10+81.38	123.53' LT
AB-58	12+67.76	159.42' LT

APPROXIMATE BORING LOCATION

CONTROL EL. = 44.00
 D.N.W. 100 TR. - 24 NR.J. = 47.38
 D.N.W. (M/P/M) 25 TR. - 24 NR.J. = 47.70
 SEE DRAINAGE DETAIL SHEETS
 FOR CONTROL STRUCTURE DETAILS

SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 49 of 68, September 21, 2012

DESCRIPTION	HNTB HNTB CORPORATION 1725 CAPITAL CIRCLE NE SUITE 200 TALLAHASSEE, FL 32308 (850) 878-3677 CERT. OF AUTH. NO. 2800 ENGINEER OF RECORD: RYAN PATTERSON, P.E. FL REGISTRATION NO. 62564			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		POND 600B DETAIL SHEET NO. 123
	ROAD NO. 79	COUNTY WASHINGTON	FINANCIAL PROJECT ID 220773-5-52-01			

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 68B-29.001, F.A.C.

The following activities of the State will be subject to the same rules and regulations as other activities of the State... The following activities of the State will be subject to the same rules and regulations as other activities of the State...

1. a. Nature of Construction Activity: The project is the reconstruction of SR 79 to a four-lane arterial. This involves constructing roadway surface-cuts and ditches, drainage, underground drainage, storm water, and utility lines from about 0.5 miles from the south of Palmetto Springs road to Reddy Branch, a distance of approximately 1.5 miles.

1. b. Sequence of Major Subcontracting Activities: In this section DM Erwin Control Plan, the contractor shall describe a detailed sequence of construction for all construction activities. The contractor shall follow the sequence of major activities described below unless the contractor proposes a different order or sequence that is superior to that of the contractor and is approved by the Engineer.

- For each construction phase, the contractor shall, after clearing, grading and grubbing, perform the following activities:
- Installation of Erosion Control Devices
- Clearing and grubbing
- Storm water construction/Earthworks
- Roadway construction/Earthworks
- Installation of Final Turf
- In Area Stabilization

Total site area: 663.3 acres
Total area to be disturbed: 622.3 acres

1. c. Permit Data:
Permit Conditions: Before 0.33
Ditch/Vegetation From 0.33 to 0.42
After 0.42

1. d. Other Data: The results of the soil borings along the roadway are shown in the Roadway Soil Sample Sheets. The results of the soil borings done in the ponds are shown in the Pond Detail Sheet. The sheet numbers for these are identified on the Big Sheet of these construction plans.

1. e. Other Information: There are 8 wetlands (Listed below) See Drainage Basin and Pond Detail Sheets.

61 Description: Pond 129, Obeyca.
This discharge to Mill Branch.
Location: Latitude 30° 31' 42" N, Longitude 85° 20' 01" W

62 Description: Pond 130A.
This discharge to Mill Branch.
Location: Latitude 30° 31' 42" N, Longitude 85° 20' 01" W

63 Description: Pond 130B.
This discharge to Mill Branch.
Location: Latitude 30° 31' 42" N, Longitude 85° 20' 01" W

64 Description: Pond 130C.
This discharge to Mill Branch.
Location: Latitude 30° 31' 42" N, Longitude 85° 20' 01" W

65 Description: Pond 130D.
This discharge to Mill Branch.
Location: Latitude 30° 31' 42" N, Longitude 85° 20' 01" W

66 Description: Pond 130E.
This discharge to Mill Branch.
Location: Latitude 30° 31' 42" N, Longitude 85° 20' 01" W

67 Description: Pond 130F.
This discharge to Mill Branch.
Location: Latitude 30° 31' 42" N, Longitude 85° 20' 01" W

68 Description: Pond 130G.
This discharge to Mill Branch.
Location: Latitude 30° 31' 42" N, Longitude 85° 20' 01" W

69 Description: Pond 130H.
This discharge to Mill Branch.
Location: Latitude 30° 31' 42" N, Longitude 85° 20' 01" W

62 Description: Pond 130A and 130B.
This discharge to Mill Branch.
Location: Latitude 30° 31' 42" N, Longitude 85° 20' 01" W

1. a. Site Map: The construction plans are being used on the site map. The location of the required information is described below. The sheet numbers for the plan sheets referenced are identified on the Big Sheet of these construction plans.

1. b. Other Information: The drainage basin (130A and 130B) discharge are shown in the Drainage Basin. The sheet numbers for the plan sheets referenced are identified on the Big Sheet of these construction plans.

1. c. Other Information: The drainage basin (130A and 130B) discharge are shown in the Drainage Basin. The sheet numbers for the plan sheets referenced are identified on the Big Sheet of these construction plans.

1. d. Other Information: The drainage basin (130A and 130B) discharge are shown in the Drainage Basin. The sheet numbers for the plan sheets referenced are identified on the Big Sheet of these construction plans.

1. e. Other Information: The drainage basin (130A and 130B) discharge are shown in the Drainage Basin. The sheet numbers for the plan sheets referenced are identified on the Big Sheet of these construction plans.

1. f. Other Information: The drainage basin (130A and 130B) discharge are shown in the Drainage Basin. The sheet numbers for the plan sheets referenced are identified on the Big Sheet of these construction plans.

1. g. Other Information: The drainage basin (130A and 130B) discharge are shown in the Drainage Basin. The sheet numbers for the plan sheets referenced are identified on the Big Sheet of these construction plans.

1. h. Other Information: The drainage basin (130A and 130B) discharge are shown in the Drainage Basin. The sheet numbers for the plan sheets referenced are identified on the Big Sheet of these construction plans.

1. i. Other Information: The drainage basin (130A and 130B) discharge are shown in the Drainage Basin. The sheet numbers for the plan sheets referenced are identified on the Big Sheet of these construction plans.

1. j. Other Information: The drainage basin (130A and 130B) discharge are shown in the Drainage Basin. The sheet numbers for the plan sheets referenced are identified on the Big Sheet of these construction plans.

1. k. Other Information: The drainage basin (130A and 130B) discharge are shown in the Drainage Basin. The sheet numbers for the plan sheets referenced are identified on the Big Sheet of these construction plans.

1. l. Other Information: The drainage basin (130A and 130B) discharge are shown in the Drainage Basin. The sheet numbers for the plan sheets referenced are identified on the Big Sheet of these construction plans.

1. m. Other Information: The drainage basin (130A and 130B) discharge are shown in the Drainage Basin. The sheet numbers for the plan sheets referenced are identified on the Big Sheet of these construction plans.

1. n. Other Information: The drainage basin (130A and 130B) discharge are shown in the Drainage Basin. The sheet numbers for the plan sheets referenced are identified on the Big Sheet of these construction plans.

1. o. Other Information: The drainage basin (130A and 130B) discharge are shown in the Drainage Basin. The sheet numbers for the plan sheets referenced are identified on the Big Sheet of these construction plans.

1. p. Other Information: The drainage basin (130A and 130B) discharge are shown in the Drainage Basin. The sheet numbers for the plan sheets referenced are identified on the Big Sheet of these construction plans.

1. q. Other Information: The drainage basin (130A and 130B) discharge are shown in the Drainage Basin. The sheet numbers for the plan sheets referenced are identified on the Big Sheet of these construction plans.

1. r. Other Information: The drainage basin (130A and 130B) discharge are shown in the Drainage Basin. The sheet numbers for the plan sheets referenced are identified on the Big Sheet of these construction plans.

1. s. Other Information: The drainage basin (130A and 130B) discharge are shown in the Drainage Basin. The sheet numbers for the plan sheets referenced are identified on the Big Sheet of these construction plans.

Temporary:
Seed and mulch, and soil in accordance with Specification Section 04.
Permanent:
Asphalt or Concrete Surface.
Turf in accordance with Specification Section 05.

2. c. 2. Structural Practices:
In the Section DM Erosion Control Plan, the contractor shall describe the proposed structural practices in control, trap sediment and otherwise prevent the discharge of pollutants from exposed areas of the project. The structural practices shall be designed to prevent the discharge of pollutants from exposed areas of the project. The structural practices shall be designed to prevent the discharge of pollutants from exposed areas of the project.

2. c. 3. Erosion Control:
In the Section DM Erosion Control Plan, the contractor shall describe the proposed erosion control practices in accordance with Design Standard 02 and Specification Section 04.

2. c. 4. Sedimentation:
In the Section DM Erosion Control Plan, the contractor shall describe the proposed sedimentation practices in accordance with Design Standard 02 and Specification Section 04.

2. c. 5. Storm Water Management:
In the Section DM Erosion Control Plan, the contractor shall describe the proposed storm water management practices in accordance with Design Standard 02 and Specification Section 04.

2. c. 6. Other Controls:
In the Section DM Erosion Control Plan, the contractor shall describe the proposed other control practices in accordance with Design Standard 02 and Specification Section 04.

2. c. 7. Waste Disposal:
In the Section DM Erosion Control Plan, the contractor shall describe the proposed waste disposal practices in accordance with Design Standard 02 and Specification Section 04.

2. c. 8. Other Controls:
In the Section DM Erosion Control Plan, the contractor shall describe the proposed other control practices in accordance with Design Standard 02 and Specification Section 04.

2. c. 9. Other Controls:
In the Section DM Erosion Control Plan, the contractor shall describe the proposed other control practices in accordance with Design Standard 02 and Specification Section 04.

2. c. 10. Other Controls:
In the Section DM Erosion Control Plan, the contractor shall describe the proposed other control practices in accordance with Design Standard 02 and Specification Section 04.

2. c. 11. Other Controls:
In the Section DM Erosion Control Plan, the contractor shall describe the proposed other control practices in accordance with Design Standard 02 and Specification Section 04.

2. c. 12. Other Controls:
In the Section DM Erosion Control Plan, the contractor shall describe the proposed other control practices in accordance with Design Standard 02 and Specification Section 04.

2. c. 13. Other Controls:
In the Section DM Erosion Control Plan, the contractor shall describe the proposed other control practices in accordance with Design Standard 02 and Specification Section 04.

2. c. 14. Other Controls:
In the Section DM Erosion Control Plan, the contractor shall describe the proposed other control practices in accordance with Design Standard 02 and Specification Section 04.

2. c. 15. Other Controls:
In the Section DM Erosion Control Plan, the contractor shall describe the proposed other control practices in accordance with Design Standard 02 and Specification Section 04.

2. c. 16. Other Controls:
In the Section DM Erosion Control Plan, the contractor shall describe the proposed other control practices in accordance with Design Standard 02 and Specification Section 04.

2. c. 17. Other Controls:
In the Section DM Erosion Control Plan, the contractor shall describe the proposed other control practices in accordance with Design Standard 02 and Specification Section 04.

2. c. 18. Other Controls:
In the Section DM Erosion Control Plan, the contractor shall describe the proposed other control practices in accordance with Design Standard 02 and Specification Section 04.

2. c. 19. Other Controls:
In the Section DM Erosion Control Plan, the contractor shall describe the proposed other control practices in accordance with Design Standard 02 and Specification Section 04.

2. c. 20. Other Controls:
In the Section DM Erosion Control Plan, the contractor shall describe the proposed other control practices in accordance with Design Standard 02 and Specification Section 04.

STORMWATER POLLUTION PREVENTION PLAN

SAJ-2011-03324 (SP-AAK)
FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
Sheet # 50 of 68, September 21, 2012

DATE BY DESCRIPTION DATE BY DESCRIPTION DATE BY DESCRIPTION DATE BY DESCRIPTION

REVISIONS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO. 79
COUNTY WASHINGTON
FINANCIAL PROJECT ID 220773-5-52-01

HNTB
MEMBER OF BE&K
FL REGISTRATION NO. 00001

WATER CONSTRUCTION
DESIGN CONSULTING INC.
TALLAHASSEE, FL 32309
(904) 895-3771, FAX 850
(904) 895-3772

STORMWATER POLLUTION PREVENTION PLAN

SHEET NO. 578

DATE BY DESCRIPTION DATE BY DESCRIPTION DATE BY DESCRIPTION DATE BY DESCRIPTION

REVISIONS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO. 79
COUNTY WASHINGTON
FINANCIAL PROJECT ID 220773-5-52-01

HNTB
MEMBER OF BE&K
FL REGISTRATION NO. 00001

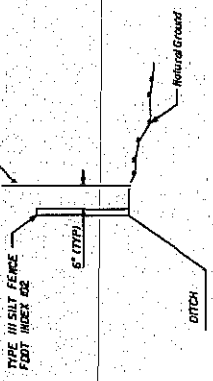
WATER CONSTRUCTION
DESIGN CONSULTING INC.
TALLAHASSEE, FL 32309
(904) 895-3771, FAX 850
(904) 895-3772

STORMWATER POLLUTION PREVENTION PLAN

SHEET NO. 578

DATE BY DESCRIPTION DATE BY DESCRIPTION DATE BY DESCRIPTION DATE BY DESCRIPTION

REVISIONS



SILT FENCE DETAIL

2. c. 5 Toxic Substances:
 In the Section 2M Erosion Control Plan, the contractor shall provide a list of toxic substances to be used on the site. The list shall include the quantities, application, migration, storage and disposal of these substances.
 2. d. 4 Approved State and Local Plans and Permits:
 • FDEP Rule Chapter 62-25 F.A.C.

3.0 MAINTENANCE:
 The contractor shall be responsible for maintaining all Pollution Prevention Controls. Daily inspections shall be made by the contractor to determine the effectiveness of erosion, sedimentation, turbidity, and Pollution Control measures. Remedial action shall be performed immediately.

In the Section 2M Erosion Control Plan, the contractor shall provide a plan for maintaining all silt fences in an approved temporary construction. The maintenance plan shall include:
 • Silt Fence Maintenance per Section 2M. The contractor shall anticipate regularly silt fences on 1/2 month intervals.

• Synthetic Bales: Remove Synthetic Bales when it reaches 1/2 height of bales or when water ponds in unacceptable amounts or areas. The contractor shall replace Synthetic Bales as necessary.
 • Ponds: The ponds are temporary sediment basins and are not to be used for any other purpose. As soon as possible, the contractor shall remove the silt from the ponds and stabilize them. As soon as possible, the contractor shall remove the silt from the ponds and stabilize them so until they receive sediment from the pond when it becomes 1.5' deep of any pond.

4.0 INSPECTIONS:
 Qualified personnel shall inspect the following items at least once every seven calendar days and within 24 hours of the end of a storm that is 0.50 inches or greater. To comply, the contractor shall install and maintain rain gauges and record the daily rainfall. Where sites have non-point source water, the contractor shall install and maintain rain gauges and record the daily rainfall. The contractor shall inspect the controls installed in the field agree with the latest Stormwater Pollution Prevention Plan.

- Points of discharge to waters of the United States.
- Points of discharge to municipal separate storm sewer system.
- Disturbed areas of the site that have not been fully stabilized.
- Areas used for storage of materials that are exposed to precipitation.
- Structural controls.
- Storm water management system.
- Locations where vehicles enter or exit the site.

The contractor shall initiate repairs immediately following inspections that indicate items are not in good working order.
 If inspections indicate that the installed stabilizations and treatment practices are not sufficient to prevent erosion, sediment, and soil disturbing pollutants, the contractor shall provide additional measures, as approved by the Engineer.

The contractor will use FDOT form 626-046-03 to report all inspection findings and corrective actions to the Engineer. The contractor will sign each inspection report and submit it to the Engineer.

5.0 NON-STEADY WATER DISCHARGES:
 In the Section 2M Erosion Control Plan, the contractor shall identify all anticipated non-steady water discharges (except flows from fire fighting activities). The contractor shall describe the proposed measures to be used to prevent erosion, sediment, and soil disturbing pollutants. The project Engineer, disturbed of hazardous waste will be made in accordance with any requirements and regulations of any local, state, or Federal Agency having jurisdiction.

SAJ-2011-03324 (SP-AAK)
FDOT - State Road 79 - Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 51 of 68 September 21, 2012

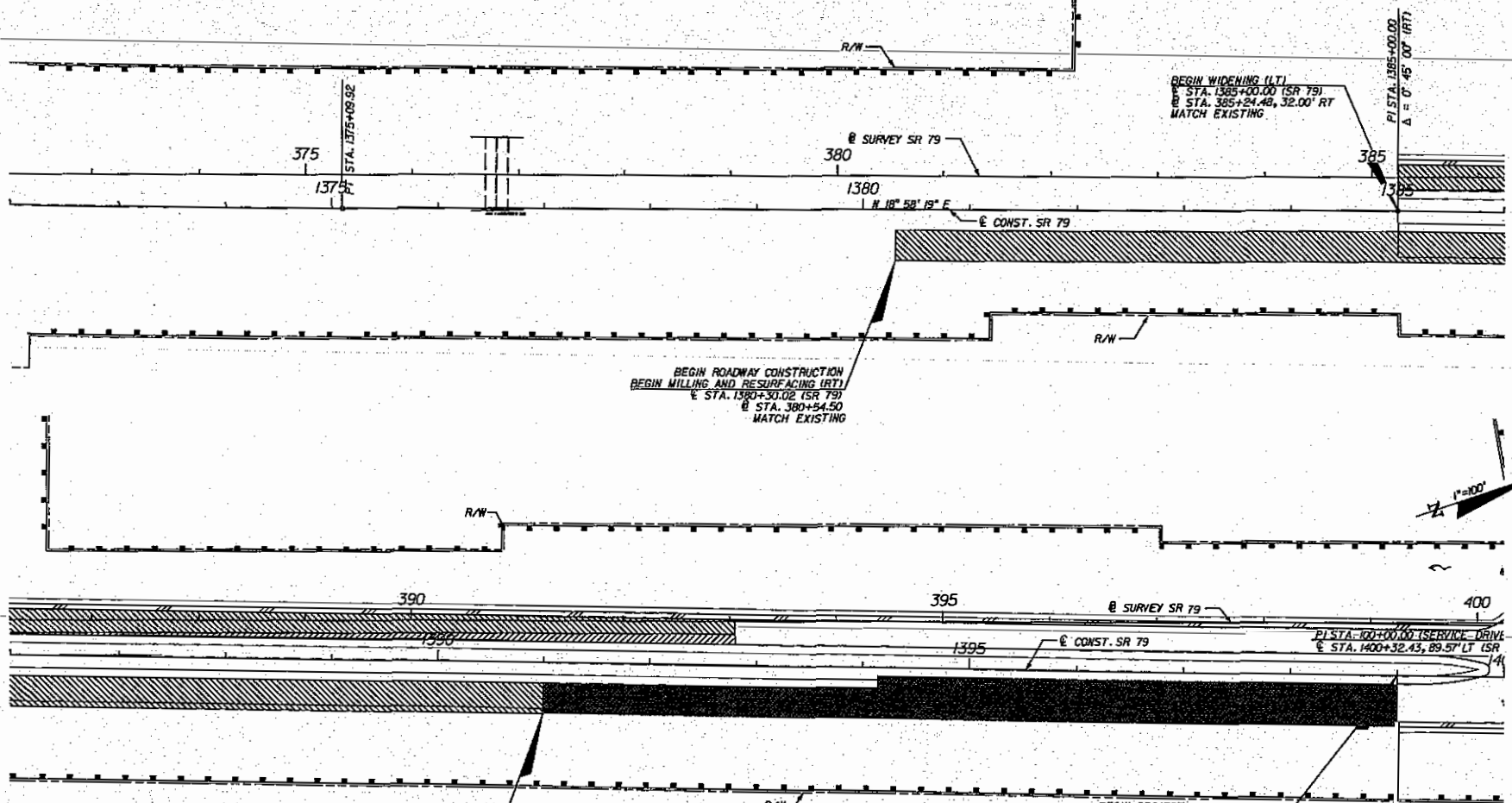
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

HNTB
 HNTB CORPORATION
 ONE CAPITAL CIRCLE, NE
 TALLAHASSEE, FL 32309
 (850) 979-3771 FAX (850) 979-3776
 EMPLOYED IN FLORIDA: 100 FLSA, P.E.
 FL REGISTRATION NO. 00074

ROAD NO.	79
COUNTY	WASHINGTON
FINANCIAL PROJECT ID	220773-5-52-01

STORMWATER POLLUTION PREVENTION PLAN

SHEET NO. 279



BEGIN WIDENING (LT)
 @ STA. 1385+00.00 (SR 79)
 @ STA. 385+24.48, 32.00' RT
 MATCH EXISTING

BEGIN ROADWAY CONSTRUCTION
 BEGIN MILLING AND RESURFACING (RT)
 @ STA. 1380+30.02 (SR 79)
 @ STA. 380+54.50
 MATCH EXISTING

END MILLING AND RESURFACING (RT)
 BEGIN RESURFACING (RT)
 STA. 1391+00.00

BEGIN PROJECT
 BEGIN RECONSTRUCTION (RT)
 END RESURFACING (RT)
 @ CONST. STA. 1399+00.00 =
 @ SURVEY SR 79
 STA. 399+24.36, 50.33' RT

LEGEND

	INLET PROTECTION
	SILT FENCE TYPE III (SILT RUNOFF PREVENTION)

HNTB
 HNTB CORPORATION
 1725 CAPITAL CIRCLE, N.E.
 SUITE 200
 TALLAHASSEE, FL 32309
 (904) 878-9171
 CERT. OF AUTH. NO. 6200

SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 52 of 68 September 21, 2012

REVISIONS	
DATE	DESCRIPTION

HNTB
 HNTB CORPORATION
 1725 CAPITAL CIRCLE, N.E.
 SUITE 200
 TALLAHASSEE, FL 32309
 (904) 878-9171
 CERT. OF AUTH. NO. 6200

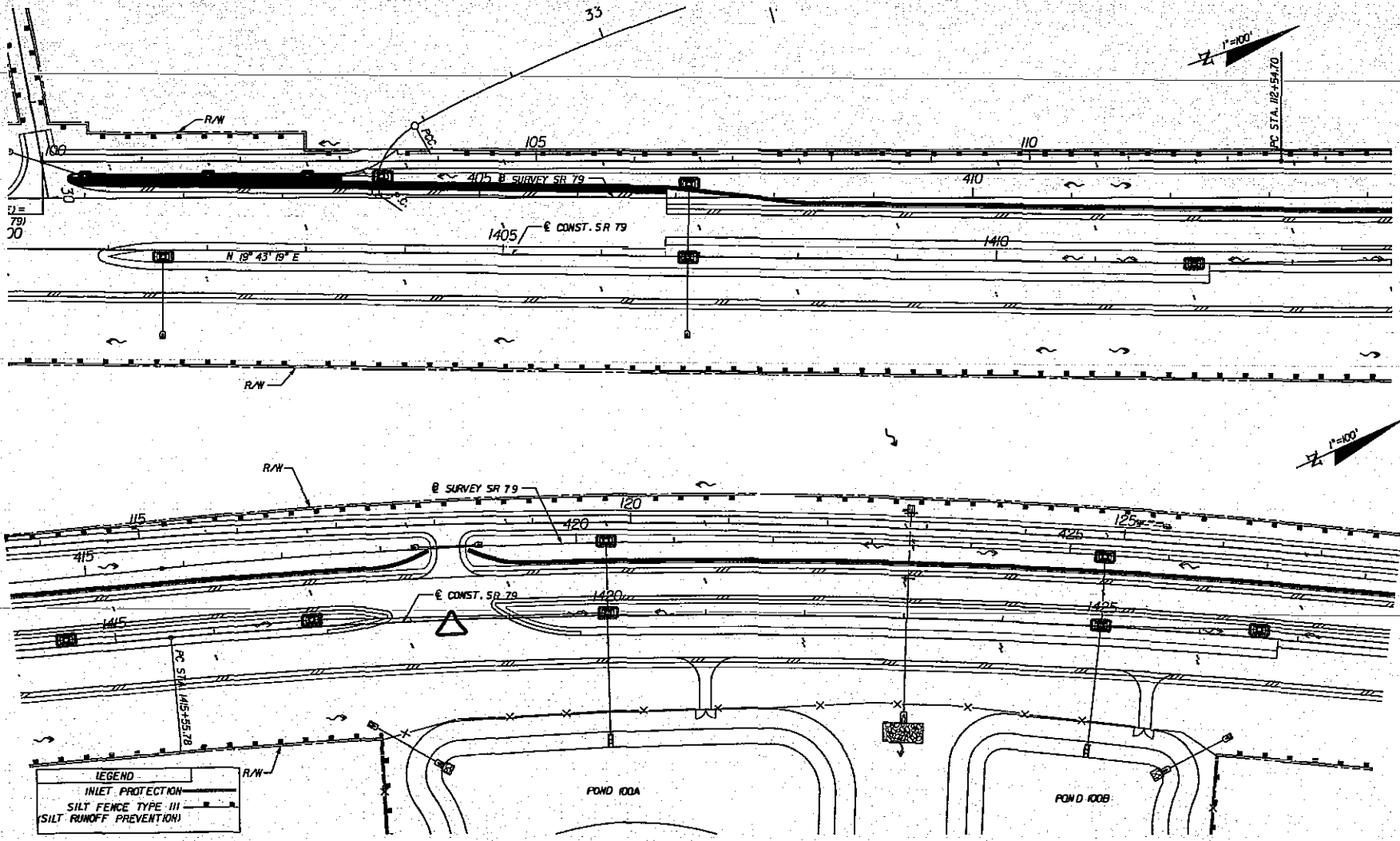
ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 6284

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-32-01

EROSION CONTROL

SHEET NO.
1

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LEGEND
 INLET PROTECTION
 SILT FENCE TYPE III
 (SILT RUNOFF PREVENTION)

SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 53 of 68 September 21, 2012

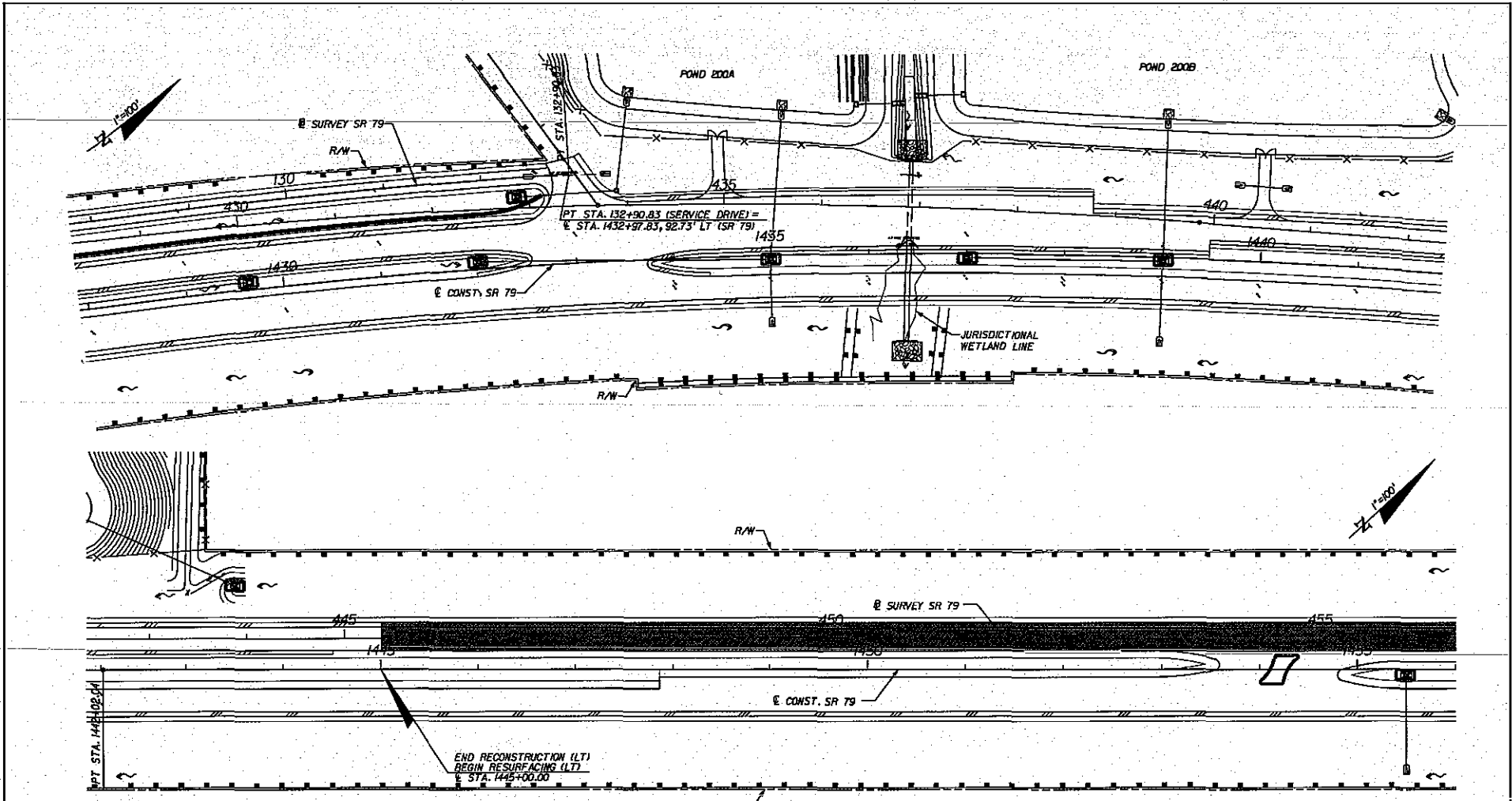
HNTB
 HNTB CORPORATION
 1725 CAPITAL CIRCLE, N.E.
 SUITE 300
 TALLAHASSEE, FL 32309
 (904) 835-5777
 CERT. OF AUTH. NO. 6800
 ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 6284

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. COUNTY FINANCIAL PROJECT ID
 79 WASHINGTON 220773-5-32-01

EROSION CONTROL

SHEET NO.
 2

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LEGEND	
	INLET PROTECTION
	SILT FENCE TYPE III
	SILT RUNOFF PREVENTION

SAJ-2011-03324 (SP-AAK)

 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)

 Sheet # 54 of 68 September 21, 2012

SUPVISION

 HNTB

HNTB

 HNTB CORPORATION

 1725 CAPITAL CIRCLE NE

 SUITE 200

 TALLAHASSEE, FL 32310

 (904) 498-9177

 CERT. OF NUTR. NO. 6200

 ENGINEER OF RECORD: RYAN PATTERSON, P.E.

 FL REGISTRATION NO. 62964

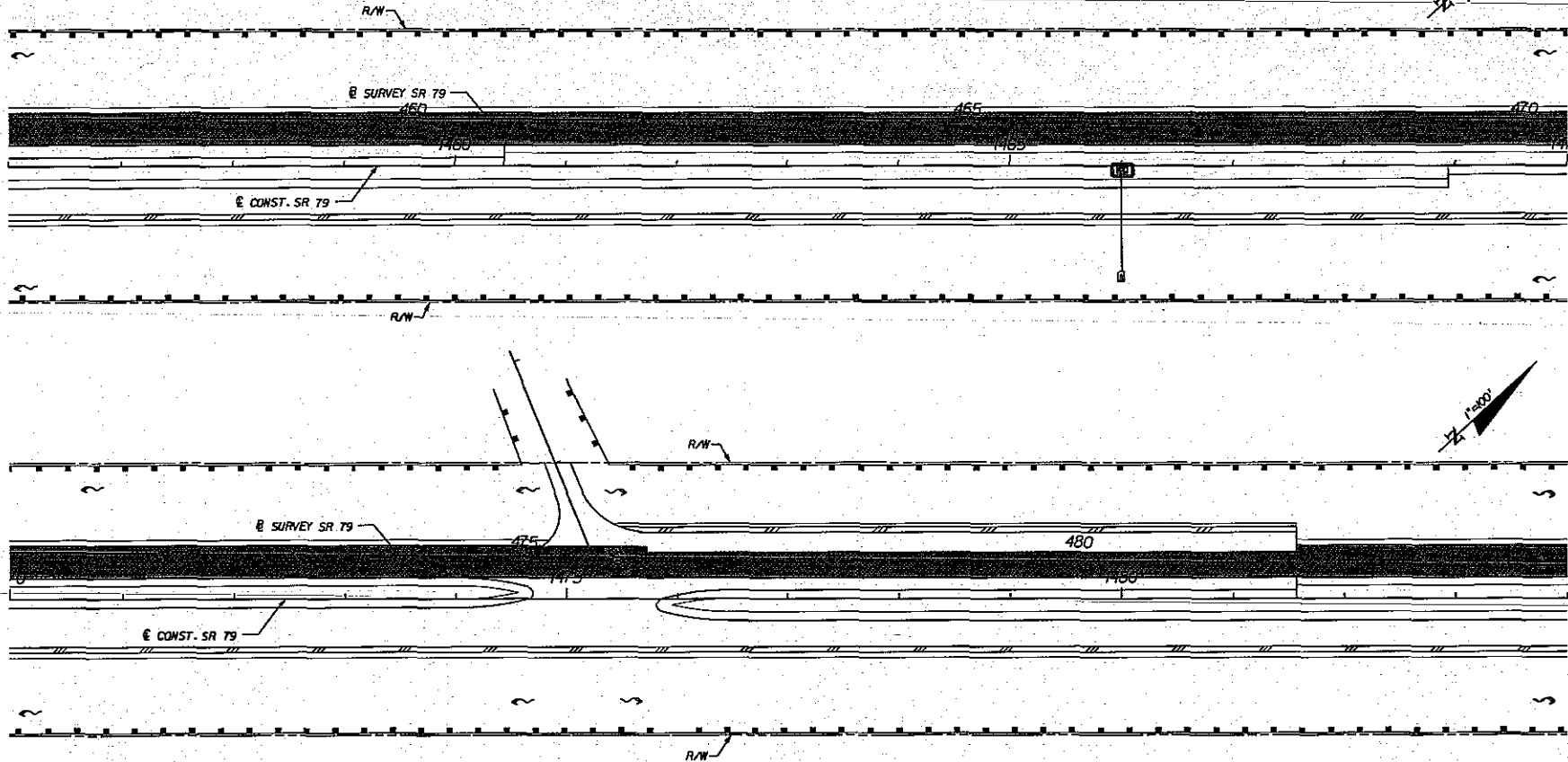
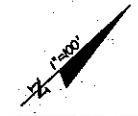
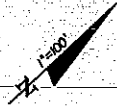
STATES OF FLORIDA		
DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-32-01

EROSION CONTROL

SHEET NO.

 3

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LEGEND	
	INLET PROTECTION
	SILT FENCE TYPE III (SILT RUNOFF PREVENTION)

URS
 SJA-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 55 of 68 September 21, 2012

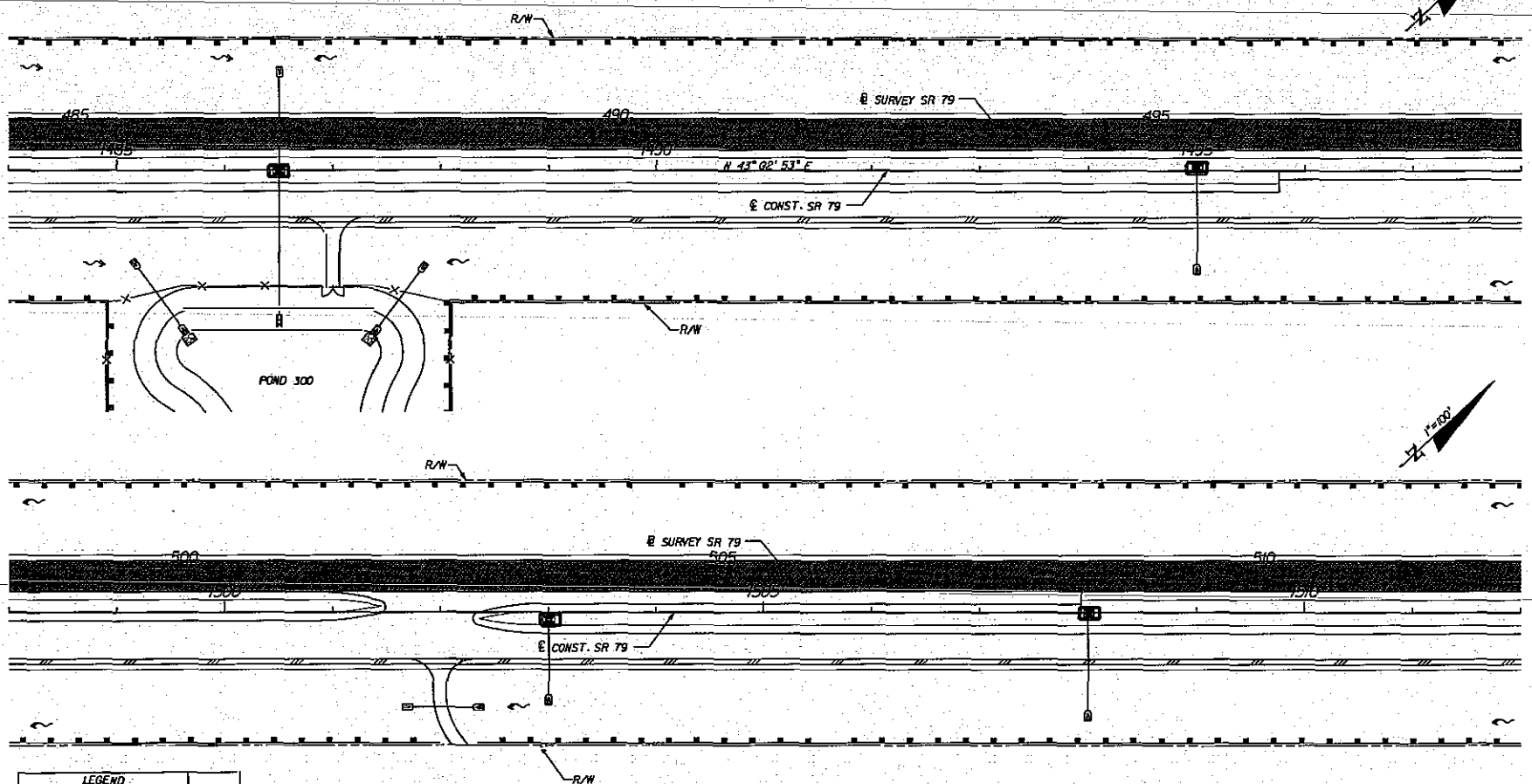
HNTB
 HNTB CORPORATION
 825 CAPITAL CIRCLE NE
 SUITE 600
 TALLAHASSEE, FL 32309
 (850) 878-9177
 CERT. OF AUTH. NO. 0500
 ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62854

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-32-01


EROSION CONTROL

SHEET
 NO. 4

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LEGEND	
	INLET PROTECTION
	SILT FENCE TYPE III
	SILT RUNOFF PREVENTION


 SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 56 of 68 September 21, 2012

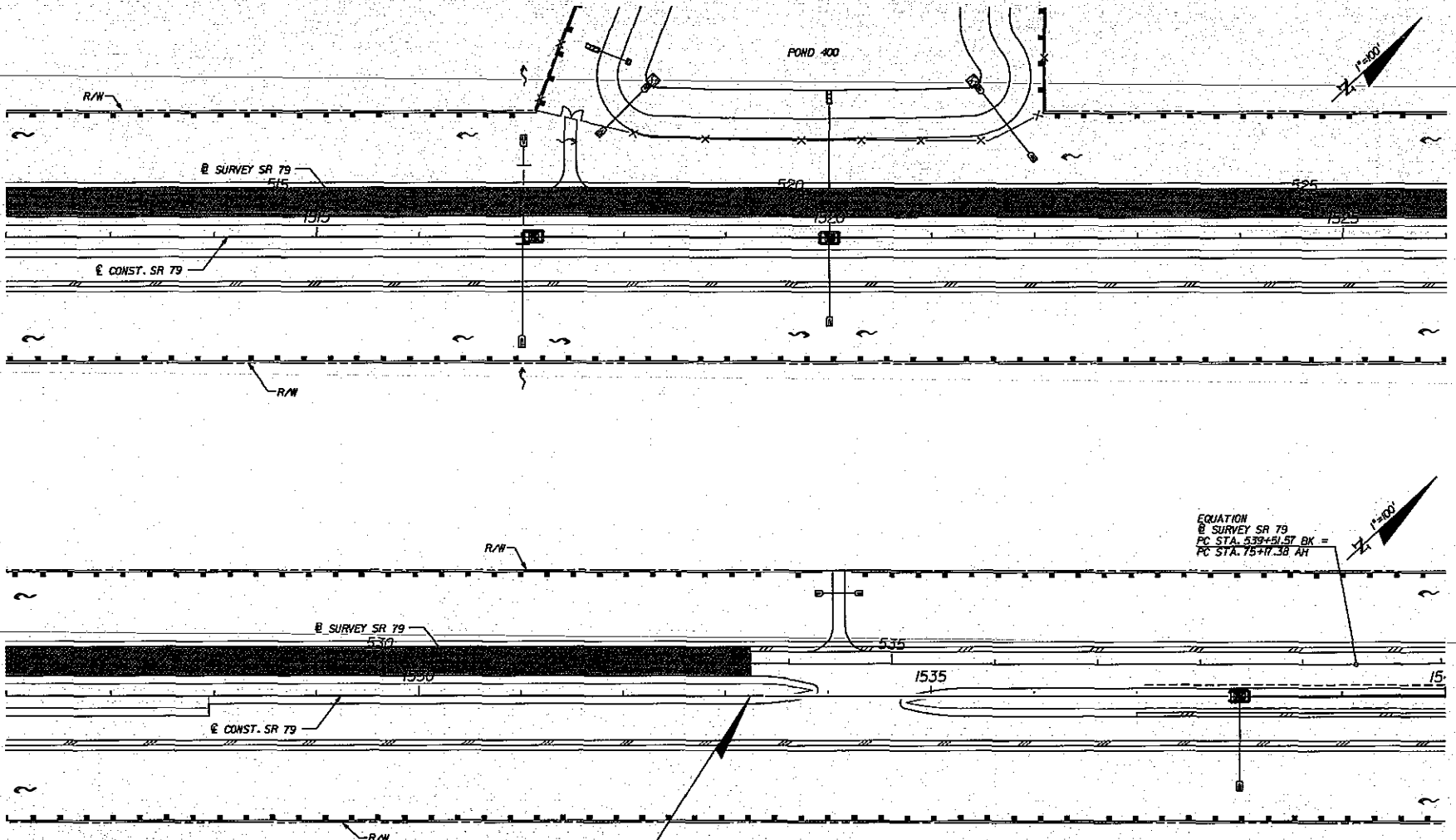
HNTB CORPORATION
 1725 CAPITAL CIRCLE, N.E.
 SUITE 500
 TALLAHASSEE, FL 32308
 (904) 973-9777
 CERT. OF AUTH. NO. 6500
 ENGINEER OF RECORD: IVAN PATTERSON, P.E.
 FL REGISTRATION NO. 62964

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-32-01

EROSION CONTROL

SHEET NO.
5

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EQUATION
 @ SURVEY SR 79
 PC STA. 539+51.57 BK =
 PC STA. 15+17.38 AH

LEGEND
 INLET PROTECTION
 SILT FENCE TYPE III
 (SILT RUNOFF PREVENTION)

END RESURFACING (LT)
 BEGIN RECONSTRUCTION (LT)
 @ STA. 1533+24.67

SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 57 of 68, September 21, 2012

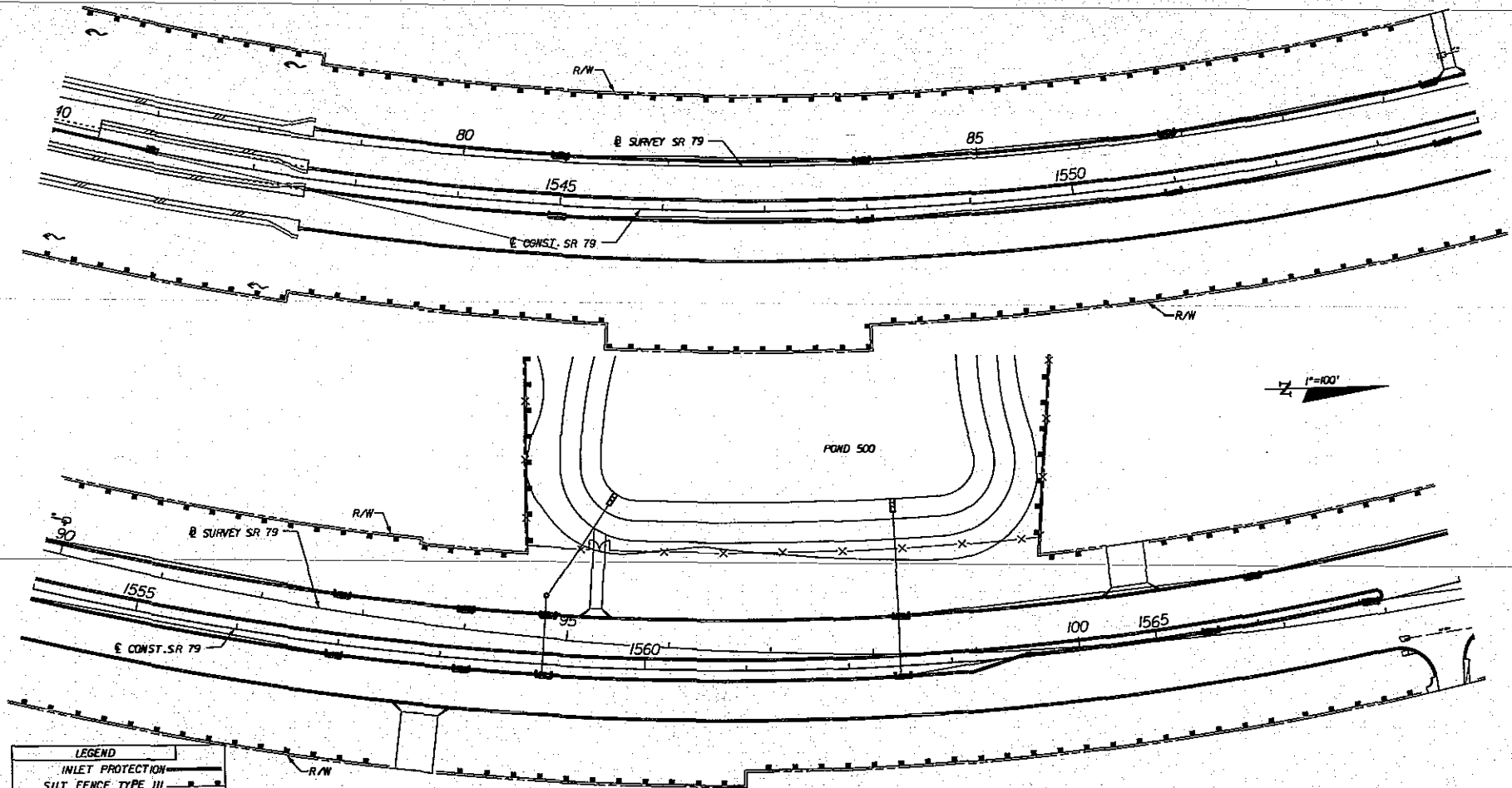
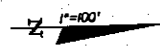
HNTB
 HNTB CORPORATION
 1125 CAPITAL CIRCLE NE
 SUITE 200
 TALLAHASSEE, FL 32308
 (904) 878-9777
 CERT. OF AUTH. NO. 6500
 ENGINEER OF RECORD: RAY PATTERSON, P.E.
 FL REGISTRATION NO. 62964

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-32-01

EROSION CONTROL

SHEET NO.
6

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LEGEND
 INLET PROTECTION
 SILT FENCE TYPE III
 SILT RUNOFF PREVENTION

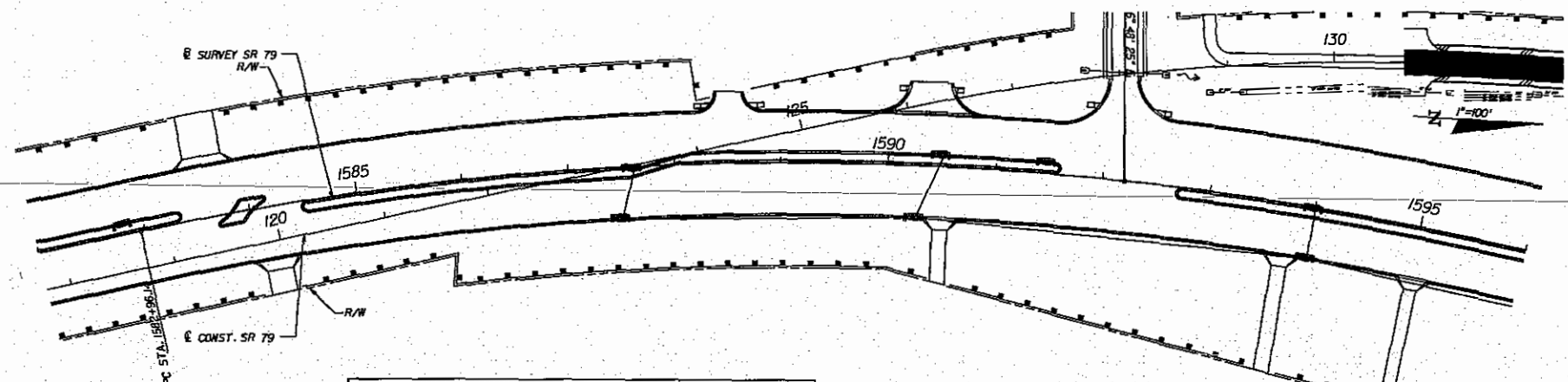
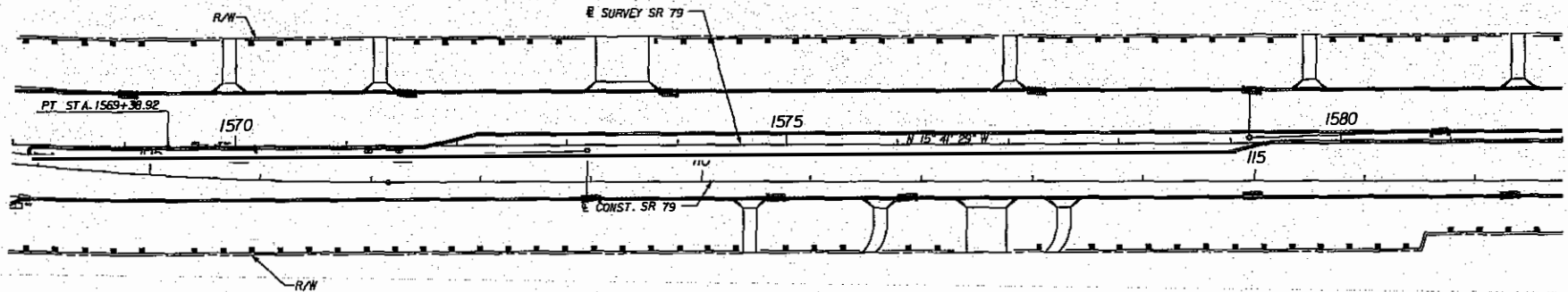
SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet# 58 of 68 September 21, 2012

	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		EROSION CONTROL	SHEET NO. 7
	ROAD NO. 79	COUNTY WASHINGTON		

HNTB
 HATE SUPPLY, INC.
 1725 CAPITAL CIRCLE NE
 SUITE 200
 TALLAHASSEE, FL 32310
 (904) 879-5771
 CERT. OF AUTH. NO. 6500
 ENGINEER OF RECORD: RIAN PATTERSON, P.E.
 FL REGISTRATION NO. 62564

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LEGEND	
	INLET PROTECTION
	SILT FENCE TYPE III
	SILT RUNOFF PREVENTION

HNTB CORPORATION
 575 CAPITAL CIRCLE, N.E.
 SUITE 800
 FALL AVENUE, FL 32508
 (904) 878-9177
 CERT. OF AUTH. NO. 6500
 ENGINEER OF RECORD RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62864

SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79; Segment 5 Widening (FPN 220773-5-52-01)
 Sheet# 59 of 68, September 21, 2012

REVISIONS		
DATE	DESCRIPTION	DESCRIPTION

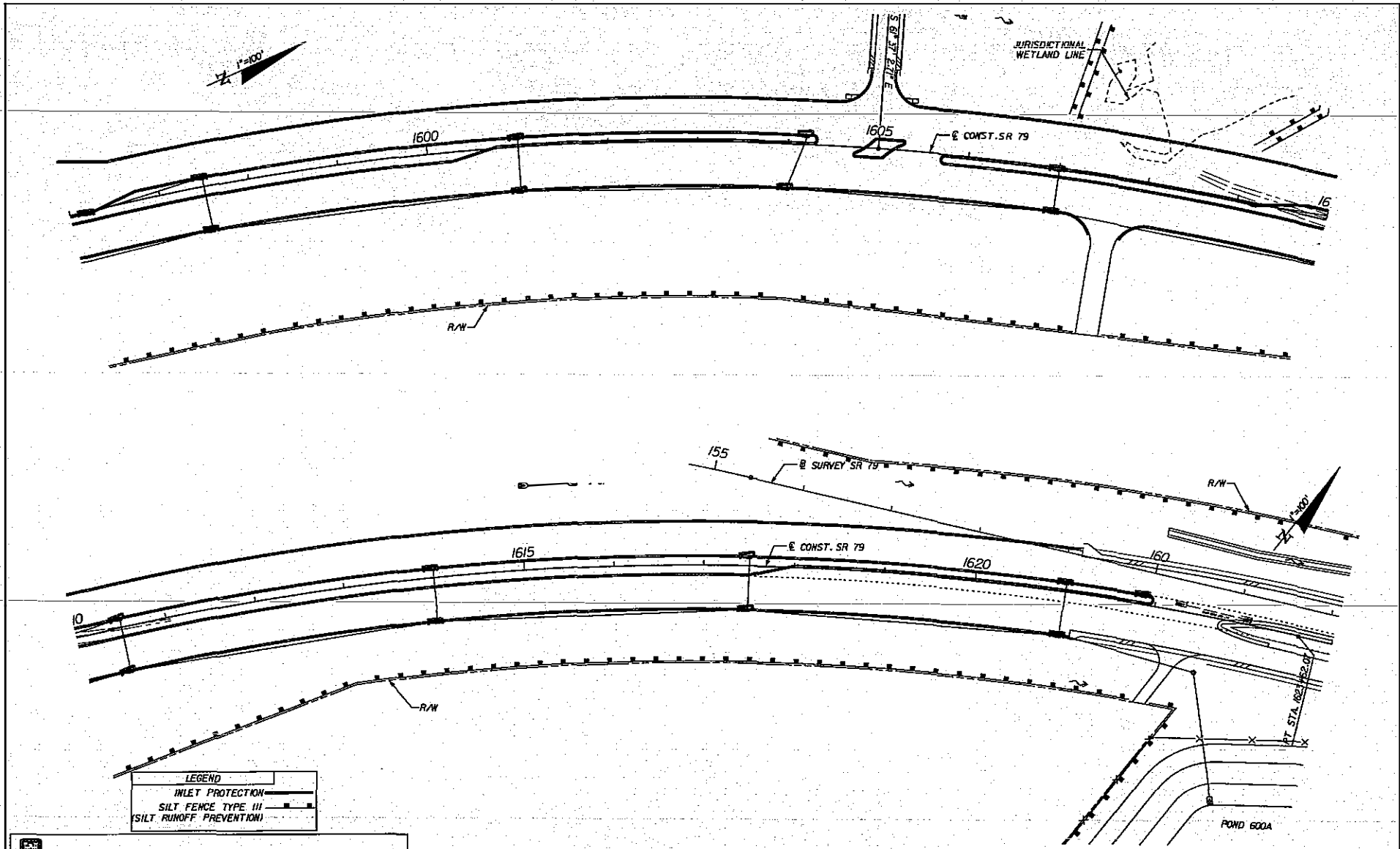
HNTB CORPORATION
 575 CAPITAL CIRCLE, N.E.
 SUITE 800
 FALL AVENUE, FL 32508
 (904) 878-9177
 CERT. OF AUTH. NO. 6500
 ENGINEER OF RECORD RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62864

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-32-01

EROSION CONTROL

SHEET NO.
8

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LEGEND	
	INLET PROTECTION
	SILT FENCE TYPE III
	SILT RUNOFF PREVENTION

SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 60 of 68 September 21, 2012

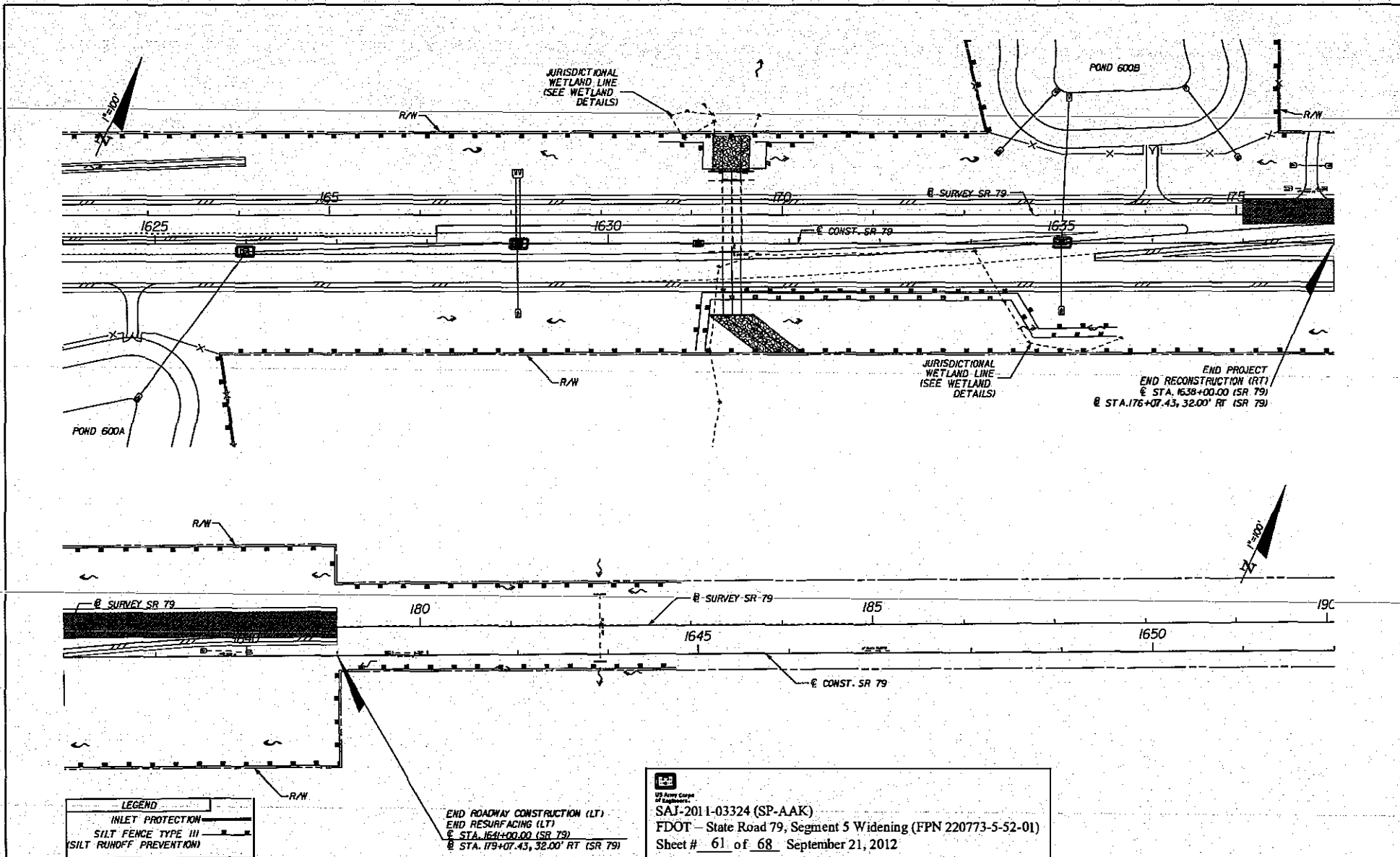
HNTB
 HNTB CORPORATION
 5725 CAPITAL CIRCLE, NE
 SUITE 200
 TALLAHASSEE, FL 32308
 (904) 878-5777
 CERT. OF AUTH. NO. 42800
 ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62564

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-32-01

EROSION CONTROL

SHEET
 NO.
 9

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 68B5-23.003, F.A.C.



LEGEND	
	INLET PROTECTION
	SILTY FENCE TYPE III
	SILTY RUNOFF PREVENTION

END ROADWAY CONSTRUCTION (LT)
 END RESURFACING (LT)
 @ STA. 164+00.00 (SR 79)
 @ STA. 179+07.43, 32.00' RT (SR 79)

HNTB
 HNTB CONSULTING ENGINEERS
 1725 CAPITAL CIRCLE, N.E.
 SUITE 200
 TALLAHASSEE, FL 32308
 (904) 499-9777
 CERT. OF AUTH. NO. 6300

SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 61 of 68 September 21, 2012

REVISIONS	
DATE	DESCRIPTION

HNTB
 HNTB CONSULTING ENGINEERS
 1725 CAPITAL CIRCLE, N.E.
 SUITE 200
 TALLAHASSEE, FL 32308
 (904) 499-9777
 CERT. OF AUTH. NO. 6300

ENGINEER OF RECORD: RYAN PATTERSON, P.E.
 FL REGISTRATION NO. 62564

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-32-01

EROSION CONTROL		SHEET NO.
		10

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6005-23.003, F.A.C.

WETLAND AREA 1		
POINTS	STA.	OFFSET (FT.)
1	1436+37.90	17.10 (LT)
2	1436+45.15	16.25 (LT)
3	1436+45.89	0.72 (RT)
4	1436+58.05	14.93 (RT)
5	1436+47.23	33.15 (RT)
6	1436+49.63	49.07 (RT)
7	1436+47.63	65.61 (RT)
8	1436+34.53	96.85 (RT)
9	1436+34.53	135.00 (RT)
10	1436+03.86	135.00 (RT)
11	1436+04.25	74.56 (RT)
12	1436+01.18	64.88 (RT)
13	1436+13.19	61.92 (RT)
14	1436+09.00	57.31 (RT)
15	1436+17.57	34.11 (RT)
16	1436+18.25	17.04 (RT)
17	1436+30.44	7.75 (RT)
18	1436+28.74	3.25 (LT)
TOTAL AREA = 0.11 AC.		

WETLAND AREA 2					
POINTS	STA.	OFFSET (FT.)	POINTS	STA.	OFFSET (FT.)
19	1608+42.16 R2	176.65 (LT)	37	1608+18.23 R2	38.14 (LT)
20	1609+01.29 R2	177.08 (LT)	38	1608+12.86 R2	57.52 (LT)
21	1609+40.27 R2	185.26 (LT)	39	1607+92.99 R2	100.72 (LT)
22	1609+43.83 R2	159.30 (LT)	40	1607+75.34 R2	102.94 (LT)
23	1609+42.63 R2	130.44 (LT)	41	1607+69.55 R2	94.65 (LT)
24	1608+21.73 R2	119.48 (LT)	42	1607+57.25 R2	81.49 (LT)
25	1609+05.02 R2	106.89 (LT)	43	1607+38.67 R2	80.53 (LT)
26	1608+07.86 R2	90.23 (LT)	44	1607+40.56 R2	102.70 (LT)
27	1608+67.74 R2	73.98 (LT)	45	1607+46.73 R2	114.40 (LT)
28	1608+47.58 R2	63.12 (LT)	46	1607+49.85 R2	116.52 (LT)
29	1608+26.03 R2	38.12 (LT)	47	1607+44.54 R2	124.95 (LT)
30	1608+15.59 R2	24.92 (LT)	48	1607+62.37 R2	132.88 (LT)
31	1607+81.07 R2	24.35 (LT)	49	1607+66.55 R2	114.40 (LT)
32	1607+61.95 R2	38.94 (LT)	50	1607+60.02 R2	98.16 (LT)
33	1607+68.84 R2	37.12 (LT)	51	1607+86.14 R2	113.20 (LT)
34	1607+69.15 R2	40.41 (LT)	52	1607+73.19 R2	145.06 (LT)
35	1607+79.95 R2	35.27 (LT)	53	1607+94.37 R2	114.25 (LT)
36	1608+11.83 R2	-34.40 (LT)	54	1608+20.97 R2	176.66 (LT)
TOTAL AREA = 0.40 AC.					

WETLAND AREA 3A		
POINTS	STA.	OFFSET (FT.)
55	1631+17.00 R2	120.08 (LT)
56	1631+56.29 R2	119.95 (LT)
57	1631+56.27 R2	114.09 (LT)
58	1631+53.23 R2	105.70 (LT)
59	1631+52.23 R2	78.60 (LT)
60	1631+16.30 R2	81.27 (LT)
TOTAL AREA = 0.03 AC.		

WETLAND AREA 3B		
POINTS	STA.	OFFSET (FT.)
61	1631+65.33 R2	13.20 (RT)
62	1634+04.52 R2	8.88 (RT)
63	1634+36.23 R2	65.63 (RT)
64	1634+63.89 R2	111.59 (RT)
65	1635+25.53 R2	122.11 (RT)
66	1635+65.73 R2	107.19 (RT)
67	1635+65.73 R2	125.00 (RT)
68	1631+12.59 R2	120.87 (RT)
69	1631+22.39 R2	25.69 (RT)
TOTAL AREA = 0.82 AC.		

CONSTRUCTION ACTIVITIES ALLOWED	
WETLAND	AREA (ACRES)
1	0.11
2	0.40
3	0.03
4	0.82
TOTAL AREA	1.36 ACRES

TOTAL ACREAGE OF "IMPACTED" WETLANDS	1.36 ACRES
TOTAL ACREAGE OF WETLANDS	1.36 ACRES



U.S. Army Corps of Engineers

SAJ-2011-03324 (SP-AAK)

FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)

Sheet # 62 of 68 September 21, 2012

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

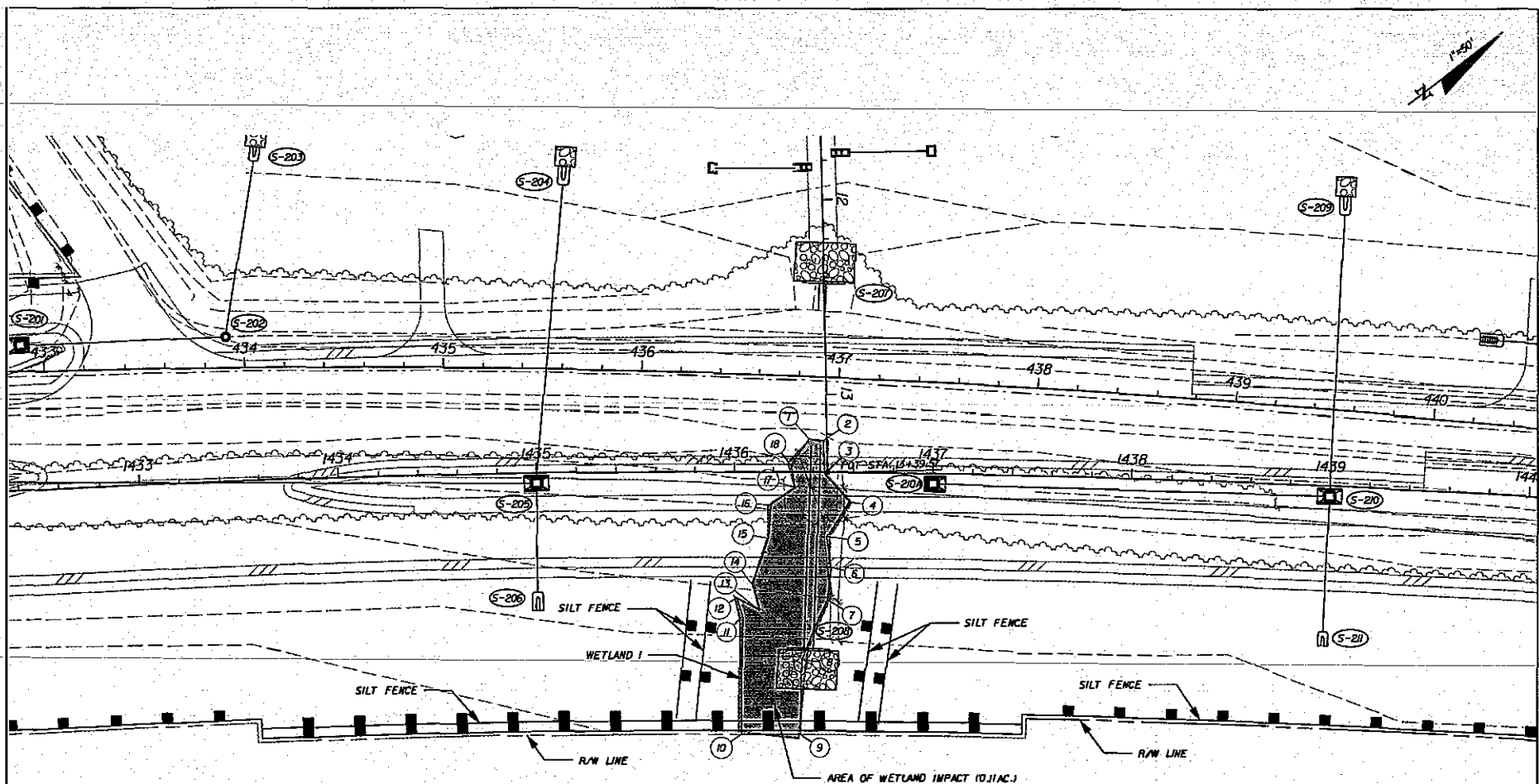
HNTB
 HNTB CORPORATION
 810 CRENSHAW BREEZING CT.,
 SUITE 400
 LAKE HAVAS FL 32146
 407-805-0333
 CENT. OF WTH. NO. 6300
 ENGINEER OF RECORD: MELINDA S. FISCHL, P.E.
 FL REGISTRATION NO. 60405

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

WETLAND DELINEATION

SHEET NO.
303

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U.S. Army Corps of Engineers
 SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 63 of 68 September 21, 2012

LEGEND
 AREA OF WETLAND IMPACT

DATE	DESCRIPTION	REVISIONS		DESCRIPTION
		DATE		

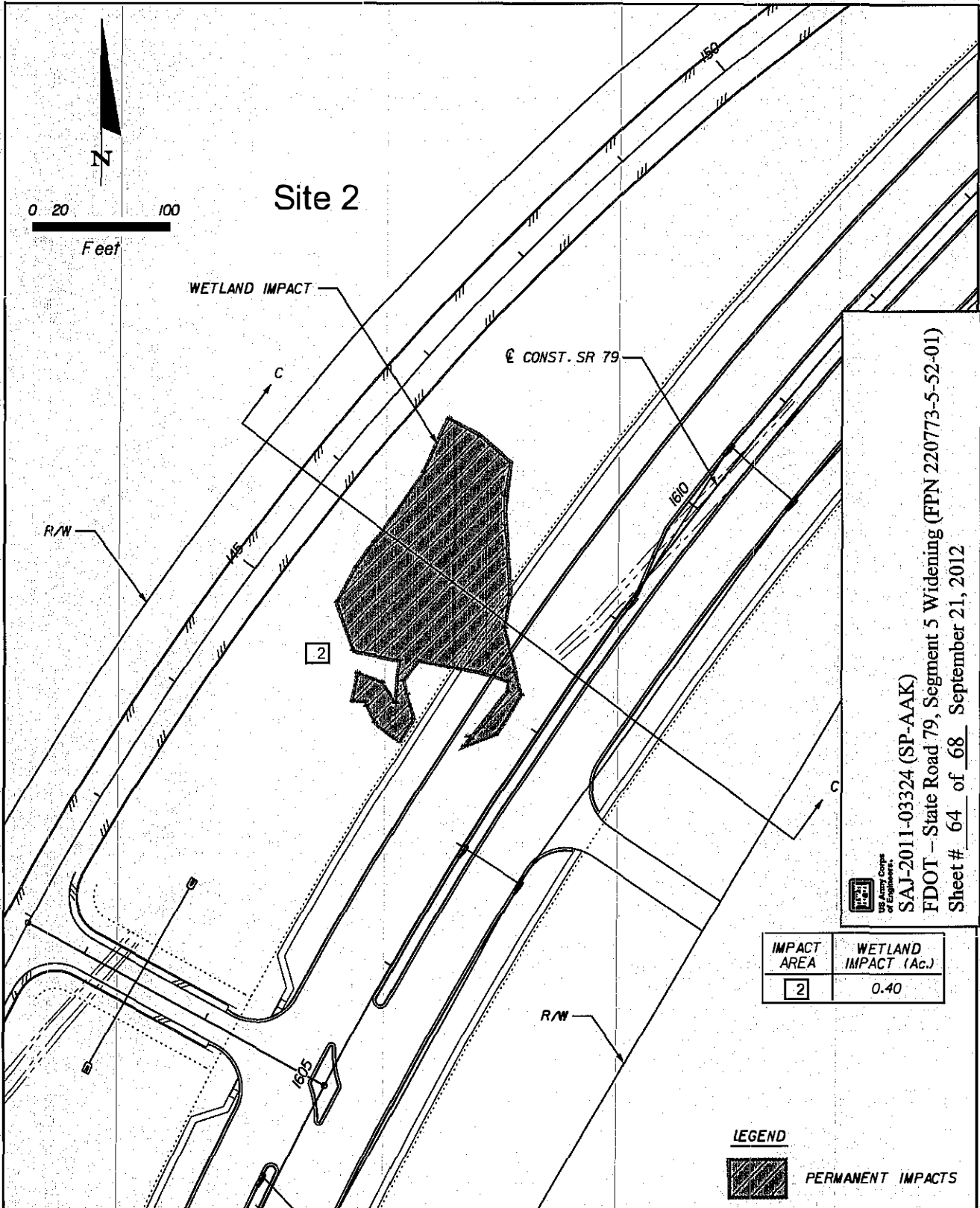
HNTB
 HNTB CORPORATION
 540 CRENSHAW EXECUTIVE CT.,
 SUITE 400
 LAKE MARY, FL 32746
 (904) 825-0333
 CERT. OF REG. NO. 6500
 ENGINEER OF RECORD: MELINDA S. FISCHL, P.E.
 FL REGISTRATION NO. 69405


STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
79	WASHINGTON	220773-5-52-01

WETLAND DELINEATION

SHEET NO.
300

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 US Army Corps of Engineers
 SAI-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
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IMPACT AREA	WETLAND IMPACT (Ac.)
2	0.40

LEGEND



PERMANENT IMPACTS

DATUM: 1988 NAVD
PURPOSE: WETLAND IMPACTS

COUNTY: WASHINGTON
STATE: FLORIDA
DATE: 06/11

LOCATION: WASHINGTON COUNTY, FL
SEC. 11, 12, 13, 14, 23, 26, 27, & 34, T2N, R16W
SR 79 RECONSTRUCTION
N OF REEDY BRANCH CULVERT TO N OF CR 284

HNTB

HNTB CORPORATION
610 CRESCENT EXECUTIVE COURT
SUITE 400
LAKE MARY, FL 32746
(407) 805-0355
CERT. OF AUTH. NO. 6500

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

SHEET NO.

ROAD NO.

COUNTY

FINANCIAL PROJECT ID

SR 79

WASHINGTON

220773-5-32-01

Exhibit 3

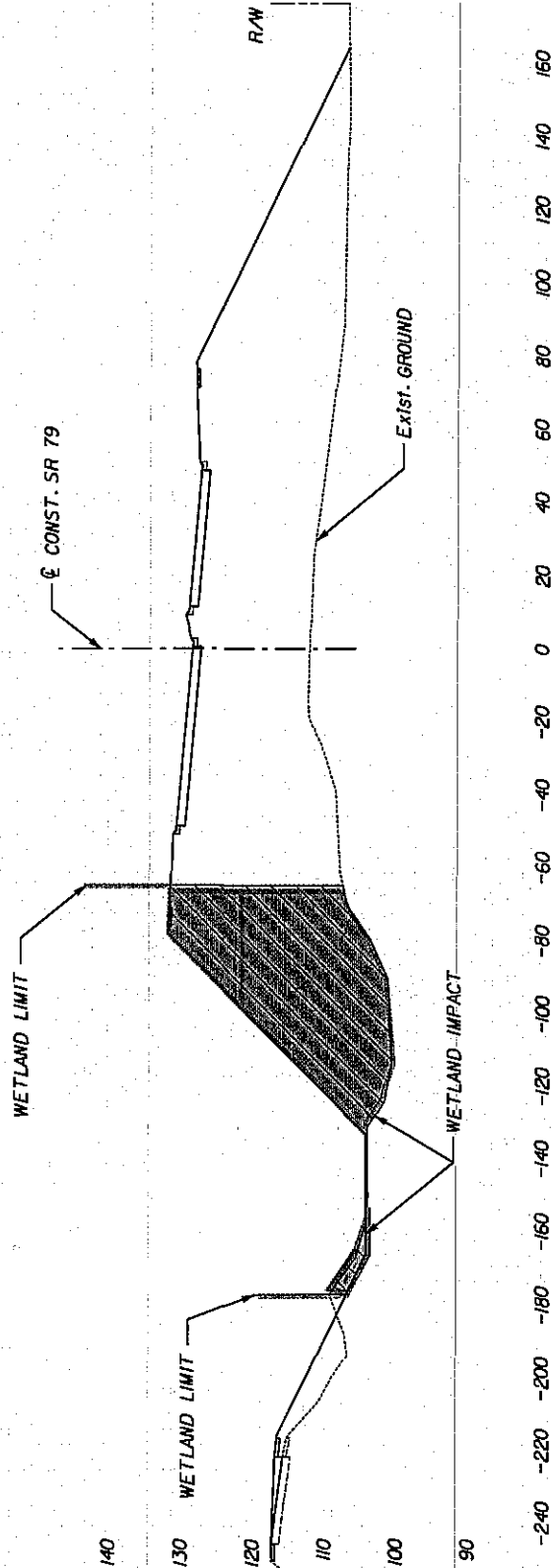
ENGINEER OF RECORD: MELINDA S. FISCHL, P.E.
FL REGISTRATION NO. 68406



SAJ-2011-03324 (SP-AAK)

FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)

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Site 2

SECTION C-C

STA. 1808+50.00

IMPACT AREA ③

SCALE: HORIZ. 1" = 50', VERT. 1" = 25'

DATUM: 1988 NAVD
PURPOSE: WETLAND IMPACTS

COUNTY: WASHINGTON
STATE: FLORIDA
DATE: 06/11

LOCATION: WASHINGTON COUNTY, FL
SEC. 11, 12, 13, 14, 23, 26, 27, & 34, T2N, R16W
SR 79 RECONSTRUCTION
N OF REEDY BRANCH CULVERT TO N OF CR 284



HNTB CORPORATION
610 CRESCENT EXECUTIVE COURT
SUITE 400
LAKE MARY, FL 32746
(407) 805-0355
CERT. OF AUTH. NO. 6500

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

SHEET NO.

ROAD NO.

COUNTY

FINANCIAL PROJECT ID

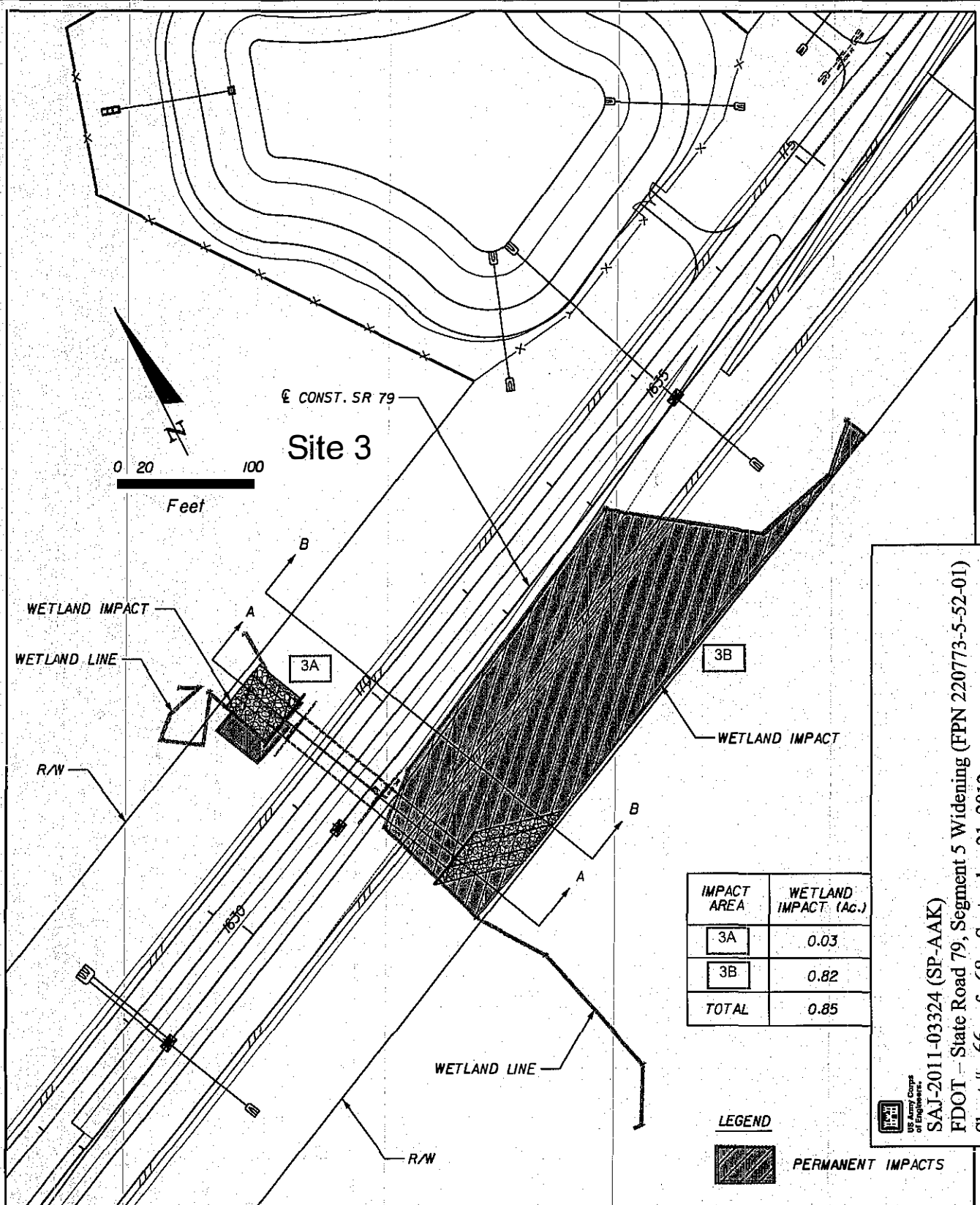
ENGINEER OF RECORD: MELINDA S. FISCHL, P.E.
FL REGISTRATION NO. 66406

SR 79

WASHINGTON

220773-5-32-01

Exhibit 4



IMPACT AREA	WETLAND IMPACT (AC.)
3A	0.03
3B	0.82
TOTAL	0.85

LEGEND
 PERMANENT IMPACTS

US Army Corps of Engineers
 SAI-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
 Sheet # 66 of 68 September 21, 2012

DATUM: 1988 NAVD
 PURPOSE: WETLAND IMPACTS

COUNTY: WASHINGTON
 STATE: FLORIDA
 DATE: 06/11

LOCATION: WASHINGTON COUNTY, FL
 SEC. 11, 12, 13, 14, 23, 26, 27, & 34, T2N, R16W
 SR 79 RECONSTRUCTION
 N OF REEDY BRANCH CULVERT TO N OF CR 284

HNTB
 HNTB CORPORATION
 610 CRESCENT EXECUTIVE COURT
 SUITE 400
 LAKE MARY, FL 32746
 (407) 805-0355
 CERT. OF AUTH. NO. 6500

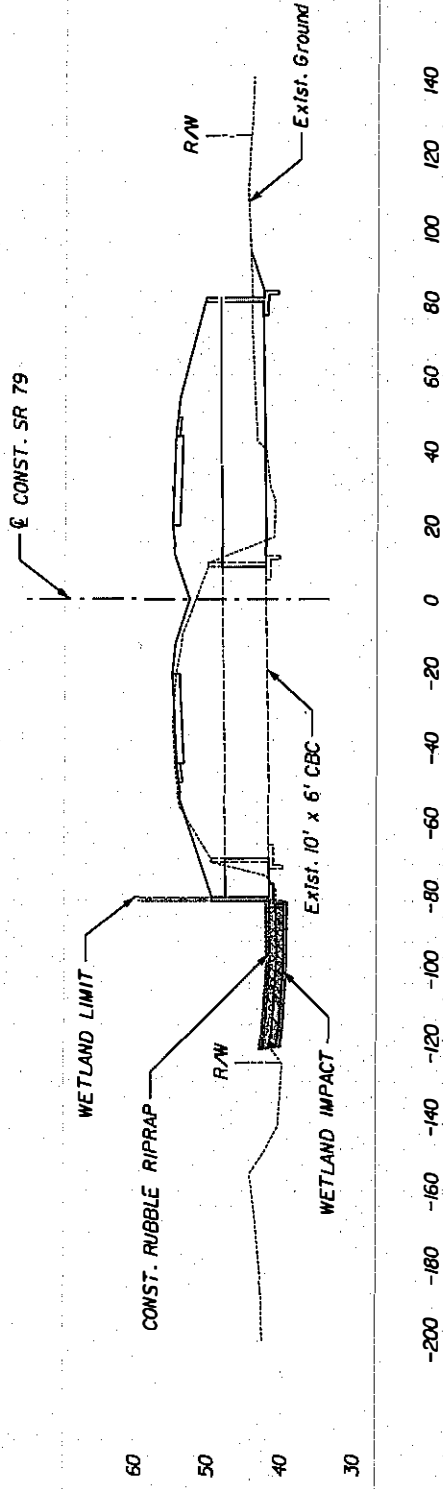
ENGINEER OF RECORD: MELINDA S. FISCHL, P.E.
 FL REGISTRATION NO. 68406

FLORIDA DEPARTMENT OF TRANSPORTATION		
DISTRICT THREE		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 79	WASHINGTON	220773-5-32-01

SHEET NO.
 Exhibit 5



SAJ-2011-03324 (SP-AAK)
 FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)
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Site 3, Area 3A

SECTION A-A
 STA. 1631+57.00
 IMPACT AREA ①

SCALE: HORIZ. 1" = 50', VERT. 1" = 25'

DATUM: 1988 NAVD PURPOSE: WETLAND IMPACTS		COUNTY: WASHINGTON STATE: FLORIDA DATE: 06/11		LOCATION: WASHINGTON COUNTY, FL SEC. 11, 12, 13, 14, 23, 26, 27, & 34, T2N, R16W SR 79 RECONSTRUCTION N OF REEDY BRANCH CULVERT TO N OF CR 284	
 HNTB CORPORATION 610 CRESCENT EXECUTIVE COURT SUITE 400 LAKE MARY, FL 32746 (407) 805-0355 CERT. OF AUTH. NO. 6500	FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT THREE				SHEET NO.
	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
ENGINEER OF RECORD: MELINDA S. FISCHL, P.E. FL REGISTRATION NO. 68406		SR 79	WASHINGTON	220773-5-32-01	Exhibit 6

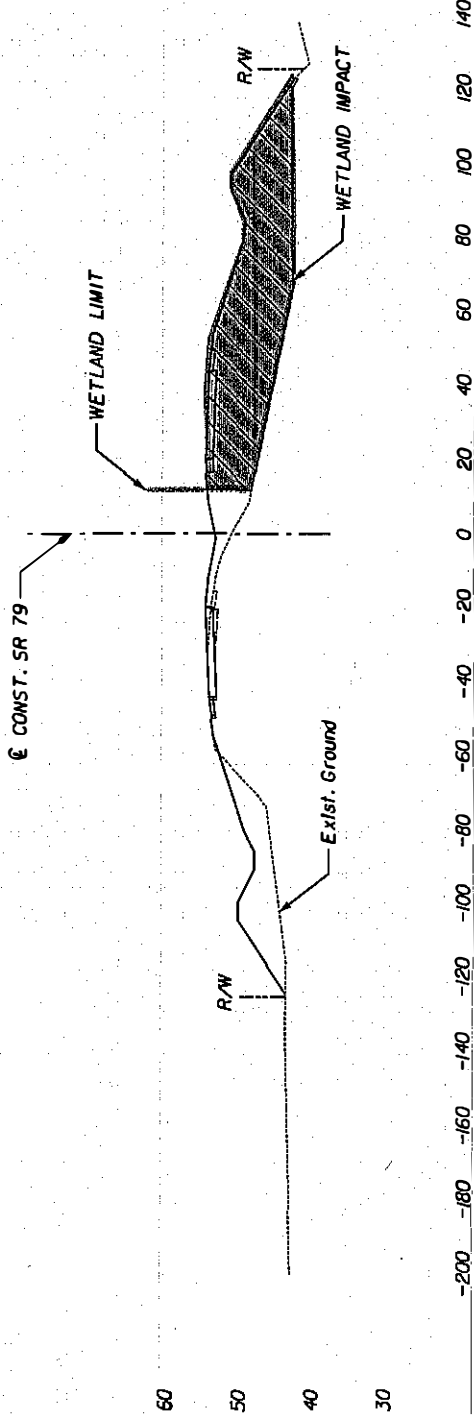


US Army Corps of Engineers

SAJ-2011-03324 (SP-AAK)

FDOT - State Road 79, Segment 5 Widening (FPN 220773-5-52-01)

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Site 3, Area 3B

SECTION B-B
 STA. 1632+00.00
 IMPACT AREA ②

SCALE: HORIZ. 1" = 50', VERT. 1" = 25'

DATUM: 1988 NAVD PURPOSE: WETLAND IMPACTS		COUNTY: WASHINGTON STATE: FLORIDA DATE: 06/11		LOCATION: WASHINGTON COUNTY, FL SEC. 11, 12, 13, 14, 23, 26, 27, & 34, T2N, R16W SR 79 RECONSTRUCTION N OF REEDY BRANCH CULVERT TO N OF CR 284	
 HNTB CORPORATION 610 CRESCENT EXECUTIVE COURT SUITE 400 LAKE MARY, FL 32746 (407) 805-0355 CERT. OF AUTH. NO. 6500	FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT THREE			SHEET NO.	
	ROAD NO. SR 79	COUNTY WASHINGTON	FINANCIAL PROJECT ID 220773-5-32-01	Exhibit 7	
ENGINEER OF RECORD: MELINDA S. FISCHL, P.E. FL REGISTRATION NO. 69406					