



Florida Department of Environmental Protection Permit

Permittee/Authorized Entity:
Florida Department of Transportation (FDOT)
719 South Woodland Boulevard
MS 3-562
DeLand, Florida 32720-6800

FDOT Wekiva Parkway Section 7B
SR 46 Widening

Authorized Agent:
Attention: Hannah Hernandez, District 5 Environmental Permit Coordinator
(Hannah.Hernandez@dot.state.fl.us)
719 South Woodland Boulevard
MS 3-562
DeLand, Florida 32720-6800

Environmental Resource Permit – Individual
State-owned Submerged Lands Authorization – Not Applicable

U.S. Army Corps of Engineers Authorization – Pending

Permit No.: ERP59-0308840-001-EI

Permit Issuance Date: March 27, 2012
Permit Construction Phase Expiration Date: March 27, 2017



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

Environmental Resource Permit

Permittee: FDOT

Attention: Hannah Hernandez, District 5 Environmental Permit Coordinator

Permit No: ERP59-0308840-001-EI

PROJECT LOCATION

The activities authorized by this permit are located along SR 46 from west of Orange Avenue to east of Oregon Street, in Section 25, Township 19 South, Range 29 East and Sections 29 and 30, Township 19 South, Range 30 East, Sanford, unincorporated Seminole County, at latitude 28° 24' 24.9" and longitude 80° 37' 1.2".

AUTHORIZATIONS

CPA Cove Expansion

Project Description

The permittee is authorized to widen a portion of an existing 4-lane divided state roadway, SR 46, and to construct a wet detention pond to capture, treat and attenuate runoff from this portion of the roadway. The control elevation of all three ponds is set to 4.0 feet. Elevations are referenced to a published elevation of 14.58 feet on Canaveral Port Authority Control Point "CPA 8," Canaveral Harbor Mean Low Water Datum. Discharge from the system will into the Port basin.

The project also authorizes approximately 20.0 acres of permanent impacts to wetlands associated with construction of the stormwater management system.

Authorized activities are depicted on the attached 59 engineering drawings and the 3 environmental figures.

The project described above may be conducted only in accordance with the terms, conditions and attachments contained in this permit. The issuance of this permit does not infer, nor guarantee, nor imply that future permits or modifications will be granted by the Department.

Sovereignty Submerged Lands Authorization

As staff to the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees), the Department has reviewed the activity described above and has determined the activity is not on submerged lands owned by the State of Florida. Therefore, your project is not subject to the requirements of Chapter 253, Florida Statutes (F.S.).

Federal Authorization

A copy of this permit has been sent to the U.S. Army Corps of Engineers (USACE). The USACE may require a separate permit. Failure to obtain any required federal permits prior to construction could subject you to enforcement action by that agency.

Coastal Zone Management

This permit also constitutes a finding of consistency with Florida's Coastal Zone Management Program, as required by Section 307 of the Coastal Management Act.

Water Quality Certification

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

Other Authorizations

You are advised that authorizations or permits for this project may be required by other federal, state or local entities including but not limited to local governments and homeowner's associations. This permit does not relieve you from the requirements to obtain all other required permits or authorizations.

In addition, you are advised that your project may require additional authorizations or permits from the municipality/county in which the project is located. Please be sure to contact the local county building and environmental department to obtain these required authorizations.

PERMIT

The activities described herein must be conducted in accordance with:

- **The Specific Conditions**
- **The General Conditions**
- **The limits, conditions and locations of work shown in the attached drawings**
- **The term limits of this authorization**

You are advised to read and understand these conditions and drawings prior to commencing the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings. If you are utilizing a contractor, the contractor also should read and understand these conditions and drawings prior to commencing the authorized activities. Failure to comply with these conditions, including any mitigation requirements, shall constitute grounds for revocation of the Permit and appropriate enforcement action by the Department.

Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and this permit/certification/authorization as specifically described above.

SPECIFIC CONDITIONS - PRIOR TO CONSTRUCTION

1. The applicant has proposed to purchase 7.78 credits from Wekiva River Mitigation Bank as mitigation to offset wetland impacts associated with the authorized activity.
2. Within 45 days of permit issuance or prior to commencement of the activity authorization by this permit, whichever occurs first, the permittee is required to provide the Reservation Letter for 7.78 credits from Wekiva River Mitigation Bank.
3. The permittee shall provide the Department with documentation that 7.78 credits have been deducted from the Department of Environmental Protection's credit ledger for Wekiva River Mitigation Bank in the name of permit number ERP59-0308840-001-EI.
4. Permittee must obtain a permit from the Department prior to beginning construction of subsequent phases or any other work associated with this project not specifically authorized by this permit.

SPECIFIC CONDITIONS – CONSTRUCTION ACTIVITIES

5. Turbidity must be controlled to prevent violations of water quality pursuant to Rule 62-302-530(69), Florida Administrative Code. Turbidity shall not exceed 29 Nephelometric Turbidity Units above natural background conditions. Turbidity barriers shall be correctly installed at all

locations where the possibility of transferring suspended solids into the receiving waterbody exists due to the proposed work. It is understood that "receiving waterbody" shall not be construed to mean the permittee's settling pond, dredge lake, or other parts of the permittee's closed water system. Turbidity barriers shall remain in place at all locations until construction is completed, soils are stabilized, and vegetation has been established.

Upon final completion of the project and upon reasonable assurance that the project is no longer a potential turbidity source, the permittee will be responsible for the removal of the barriers.

SPECIFIC CONDITIONS – INSPECTION REPORTS

6. Inspection reports for retention, underdrain, wet detention, swales, and wetland stormwater management systems shall be submitted to the Department two years after completion of construction and every two years thereafter on the enclosed form [DEP Form 62-343.900(6)].
7. Copies of all turbidity monitoring reports shall be provided to the Department on a monthly basis. Reports shall be submitted to the letterhead address.

SPECIFIC CONDITIONS – CONSTRUCTION DETAILS

8. Outside the specific limits of construction authorized by this permit, any disturbance of or damage to the adjacent wetlands shall be corrected by restoring pre-construction elevations and planting vegetation of the same species, size, and density that exist in adjacent undisturbed wetland areas. The restoration shall be complete and the Department so notified within 30 days of completion of the structure.
9. Unauthorized impacts to wetlands as a result of the activities authorized in this permit shall be reported immediately to the Department.
10. Before any offsite discharge from the stormwater management system occurs, the retention and detention storage must be excavated to rough grade prior to building construction or placement of impervious surface within the area served by those systems.
11. Adequate measures must be taken to prevent siltation of these treatment systems and control structures during construction or siltation must be removed prior to final grading and stabilization.
12. All material used as fill shall be clean material and shall not be contaminated with vegetation, garbage, trash, tires, hazardous, toxic waste or other materials that are not suitable for road construction within waters of the State as so determined by the Department.

SPECIFIC CONDITIONS – EROSION CONTROL MEASURES

13. The following measures shall be taken to minimize erosion:
 - A. Swales and dry ponds: sodding of all side slopes; seeding and mulching of flat-lying bottom areas;
 - B. Berms and other disturbed flat-lying areas: seed and mulch.

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 (7) days after the construction activity in that portion of the site has temporarily or permanently ceased.

14. All wetland areas or water bodies, which are outside of the specific limits of construction authorized by this permit must be protected from erosion, siltation, scouring or excess turbidity and dewatering.

All turbidity control devices shall be removed from the project area once the disturbed areas have been stabilized or revegetated so that erosion will not occur. The turbidity control devices shall be removed no later than one year from completion of the project. All turbidity control devices shall be disposed of in an upland disposal area.

SPECIFIC CONDITIONS – MAINTENANCE ACTIVITIES

15. The following maintenance activities shall be performed as needed on
 - A. All permitted systems:
 - 1) Removal of trash and debris;
 - 2) Inspection of inlets and outlets;
 - 3) Removal of sediments when the storage volume or conveyance capacity of the stormwater management system is below design levels; and
 - 4) Stabilization and restoration of eroded areas.
 - B. Retention, swale, and underdrain systems:
 - 1) Mowing and removal of grass clippings;
 - 2) Aeration, tilling, or replacement of topsoil; and
 - 3) Re-establishment of vegetation on disturbed surfaces.
 - C. Wet detention systems:
 - 1) Replanting of natural vegetation within the littoral zone; and
 - 2) Control of nuisance and exotic vegetation.
16. If the system is not functioning as designed and permitted, operational maintenance must be performed immediately to restore the system. If operational maintenance measures are insufficient to enable the system to meet the design and performance standards of this chapter, the permittee must either replace the system or construct an alternative design. A permit modification must be obtained from the Department prior to constructing such an alternate design pursuant to section 40C-4.331, F.A.C.

SPECIFIC CONDITIONS – DEWATERING

17. If dewatering is to occur during any phase of construction or thereafter and discharge is to on-site or off-site surface waters of the State, either directly or via a stormwater management system, a generic permit in accordance with Rule 62-621.300, F.A.C., will be required prior to any dewatering.
18. If dewatering is to occur during any phase of construction or thereafter and the surface water pump(s), wells or facilities are capable of withdrawing 1 million gallons of water per day (MGD) or more, a consumptive use permit in accordance with Rule 40C-2.041, F.A.C., may be required from the St. Johns River Water Management District (SJRWMD) prior to beginning any dewatering.
19. A plan for routing of discharge water must be submitted to the DEP Central district Office for approval prior to commencement of dewatering.

SPECIFIC CONDITIONS – EARTH WORK

20. If during the progress of this project prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoes, or any other physical remains that could be associated with Native American cultures are encountered at any time within the project site area, work should cease in the immediate vicinity of such discoveries. The permittee, or other designee, should contact the Florida Department of State, Division of Historical Resources, Review and Compliance Section at 850/245-6333, or (800) 847-7278, as well as the appropriate permitting agency office. Project activities should not resume without verbal and/or written authorization from the Division of Historical Resources.
21. In the event that any unmarked human remains are encountered anywhere on the subject property, all work shall stop immediately and the proper authorities notified in accordance with Section 872.05, Florida Statutes. The permittee, or other designee, should contact the authority cited in this Section. Thereafter, project activities should not resume without verbal and/or written authorization from the designated official.

SPECIFIC CONDITIONS – WETLAND IMPACTS AND MITIGATION

22. To offset the approximately 20 acres of wetland impacts, the permittee will reserve 7.78 credits from Wekiva River Mitigation Bank. As outlined in Specific Condition No. 2, above, the reservation of these credits must be done within 45 days of permit issuance or prior to commencement of the activity authorization by this permit, whichever comes first.

As outlined in Specific Condition No. 3, above, prior to any construction or impacts authorized by this permit, the permittee shall provide the Department with documentation that 7.78 credits have been deducted from the Department of Environmental Protection's credit ledger for Wekiva River Mitigation Bank in the name of permit number ERP59-0308840-001-EI.

GENERAL CONDITIONS

1. All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.
2. 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. The complete permit shall be available for review at the work site upon request by Department staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.
3. Activities approved by this permit shall be conducted in a manner which does not cause violations of state water quality standards.
4. Prior to and during construction, the permittee shall implement and maintain all erosion and sediment control measures (best management practices) required to retain sediment on-site and to prevent violations of state water quality standards. All practices must be in accordance with the guidelines and specifications in Chapter 6 of the Florida Land Development Manual: A Guide to Sound Land and Water Management (Florida Department of Environmental Regulation 1988), which are incorporated by reference, unless a project specific erosion and sediment control plan is approved as part of the permit, in which case the practices must be in accordance with the plan. If site specific conditions require additional measures during any phase of construction or operation to prevent erosion or control sediment, beyond those

- specified in the erosion and sediment control plan, the permittee shall implement additional best management practices as necessary, in accordance with the specifications in Chapter 6 of the Florida Land Development Manual: A Guide to Sound Land and Water Management (Florida Department of Environmental Regulation 1988). The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources as soon as practicable.
5. 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 7 days after the construction activity in that portion of the site has temporarily or permanently ceased.
 6. **At least 48 hours prior to commencement of activity** authorized by this permit, the permittee shall submit to the Department a fully executed "Construction Commencement Notice" Form 62-343.900(3) indicating the actual start date and the expected completion date. The form can be downloaded from <http://www.dep.state.fl.us/water/wetlands/erp/forms.htm>.
 7. When the duration of construction will exceed one year, the permittee shall submit construction status reports to the Department on an annual basis utilizing an Annual Status Report Form 62-343.900(4). The form can be downloaded from <http://www.dep.state.fl.us/water/wetlands/erp/forms.htm>. Reports shall be submitted during June of each year.
 8. For those systems which will be operated or maintained by an entity which will require an easement or deed restriction in order to provide that entity with the authority necessary to operate or maintain the system, such easement or deed restriction, together with any other final operation or maintenance documents as are required by subsections 7.1.1 through 7.1.4 of the Applicant's Handbook: Management and Storage of Surface Waters, must be submitted to the Department for approval. Documents meeting the requirements set forth in these subsections of the Applicant's Handbook will be approved. Deed restrictions, easements and other operation and maintenance documents which require recordation either with the Secretary of State or the Clerk of the Circuit Court must be so recorded prior to lot or unit sales within the project served by the system, or upon completion of construction of the system, whichever occurs first. For those systems which are proposed to be maintained by county or municipal entities, final operation and maintenance documents must be received by the Department when maintenance and operation of the system is accepted by the local governmental entity. Failure to submit the appropriate final documents referenced in this paragraph will result in the permittee remaining liable for carrying out maintenance and operation of the permitted system.
 9. 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 site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.
 10. Within 30 days after completion of construction of the permitted system, or independent portion of the system, **the permittee shall submit a written statement of completion and certification by a registered professional engineer or other appropriate individual** as authorized by law, utilizing As Built Certification Form 62-343.900(5) supplied with this permit and also available at <http://www.dep.state.fl.us/water/wetlands/erp/forms.htm>. When the completed system differs substantially from the permitted plans, any substantial deviations shall be noted and explained and two copies of as-built drawings submitted to the Department. Submittal of the completed form shall serve to notify the Department that the system is ready

for inspection. The statement of completion and certification shall be based on on-site observation of construction (conducted by the registered professional engineer, or other appropriate individual as authorized by law, or under his or her direct supervision) or review of as-built drawings for the purpose of determining if the work was completed in compliance with approved plans and specifications. As-built drawings shall be the permitted drawings revised to reflect any changes made during construction. Both the original and any revised specifications must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawing. All surveyed dimensions and elevations shall be certified by a registered surveyor. The following information, at a minimum, shall be verified on the "as-built" or "record" drawings:

- A. Dimensions and elevations of all discharge structures including all weirs, slots, gates, pumps, pipes, and oil and grease skimmers;
 - B. Locations, dimensions, and elevations of all filter, exfiltration, or underdrain systems including cleanouts, pipes, connections to control structures, and points of discharge to the receiving waters;
 - C. Dimensions, elevations, contours, or cross-sections of all treatment storage areas sufficient to determine stage-storage relationships of the storage area and the permanent pool depth and volume below the control elevation for normally wet systems, when appropriate;
 - D. Dimensions, elevations, contours, final grades, or cross-sections of the system to determine flow directions and conveyance of runoff to the treatment system;
 - E. Dimensions, elevations, contours, final grades, or cross-sections of all conveyance systems utilized to convey off-site runoff around the system;
 - F. Existing water elevation(s) and the date determined; and
 - G. Elevation and location of benchmark(s) for the survey.
11. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of the conditions in paragraphs 9 and 10, above, the Department determines the system to be in compliance with the permitted plans, and the entity approved by the Department in accordance with subsections 7.1.1 through 7.1.4 of the Applicant's Handbook: Management and Storage of Surface Waters, accepts responsibility for operation and maintenance of the system. The permit may not be transferred to such an approved operation and maintenance entity until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the Department, the permittee shall request transfer of the permit to the responsible approved operation and maintenance entity, if different from the permittee. Until the permit is transferred pursuant to section 7.1 of the Applicant's Handbook: Management and Storage of Surface Waters, the permittee shall be liable for compliance with the terms of the permit.
12. Should any other regulatory agency require changes to the permitted system, the permittee shall provide written notification to the Department of the changes prior to implementation so that a determination can be made whether a permit modification is required.
13. This permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations prior to the start of any activity approved by this permit. 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 which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and Chapter 40C-4 or 40C-40, F.A.C.

14. The permittee shall hold and save the Department harmless from any and all damages, claims, or liabilities which may arise by reason of the activities authorized by the permit or any use of the permitted system.
15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered specifically approved unless a specific condition of this permit or a formal determination under Rule 62-343.040, F.A.C., provides otherwise.
16. The permittee shall notify the Department in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of Rule 62-343.130, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.
17. Upon reasonable notice to the permittee, Department authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to insure conformity with the plans and specifications approved by the permit.
18. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the Department.
19. The permittee shall immediately notify the Department in writing of any previously submitted information that is later discovered to be inaccurate.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rule 28-106.201, F.A.C., a petition for an administrative hearing must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;

(f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and

(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who has asked the Department for notice of agency action may file a petition within 21 days of receipt of such notice, regardless of the date of publication. The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, before the applicable deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation

Mediation is not available in this proceeding.

FLAWAC Review

The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when the order is filed with the Clerk of the Department.

Judicial Review

Any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, M.S. 35, Tallahassee, Florida 32399-3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice

of Appeal must be filed within 30 days from the date this action is filed with the Clerk of the Department.

Executed in Orange, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



David Herbster
Program Administrator
Submerged Lands & Environmental
Resource Program

Date: March 27, 2012

Attachments:

Engineering Drawings, 59 pages
Environmental Figures, 3 pages
Commencement notice/62-343.900(3)
As-built certification/62-343.900(5)
Inspection certification/62-343.900(6)
Transfer construction to operation phase/62-343.900(7)

Copies furnished to:

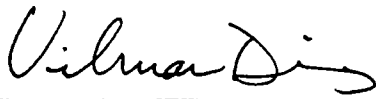
DEP, Office of General Counsel
Amy Windom, P.E., CH2MHill (Amy.Windom@CH2M.com)
Richard Musgrove, P.E., DEP Tallahassee
David Dewey, SJRWMD (ddewey@sjrwmd.com)
Seminole County
File

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this permit, including all copies, were mailed
before the close of business on March 27, 2012, to the above listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, under 120.52(7) of the
Florida Statutes, with the designated Department Clerk,
receipt of which is hereby acknowledged.



Clerk

March 27, 2012

Date

ROADWAY PLANS

CONTRACT PLANS

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

<i>SHEET NO.</i>	<i>SHEET DESCRIPTION</i>
<i>1</i>	<i>KEY SHEET</i>
<i>2-5</i>	<i>DRAINAGE MAP</i>
<i>6</i>	<i>GENERAL NOTES</i>
<i>7-9</i>	<i>TYPICAL SECTIONS</i>
<i>10</i>	<i>PROJECT LAYOUT SHEET</i>
<i>11-24</i>	<i>ROADWAY PLAN AND PROFILE</i>
<i>25</i>	<i>POND 5 DETAIL</i>
<i>26</i>	<i>POND 6 DETAIL</i>
<i>27-53</i>	<i>CROSS SECTIONS</i>
<i>54</i>	<i>TRAFFIC CONTROL PLAN GENERAL NOTES</i>
<i>55-57</i>	<i>TRAFFIC CONTROL PLAN TYPICAL SECTIONS & PHASE NOTES</i>
<i>58-59</i>	<i>STORMWATER POLLUTION PREVENTION PLANS</i>

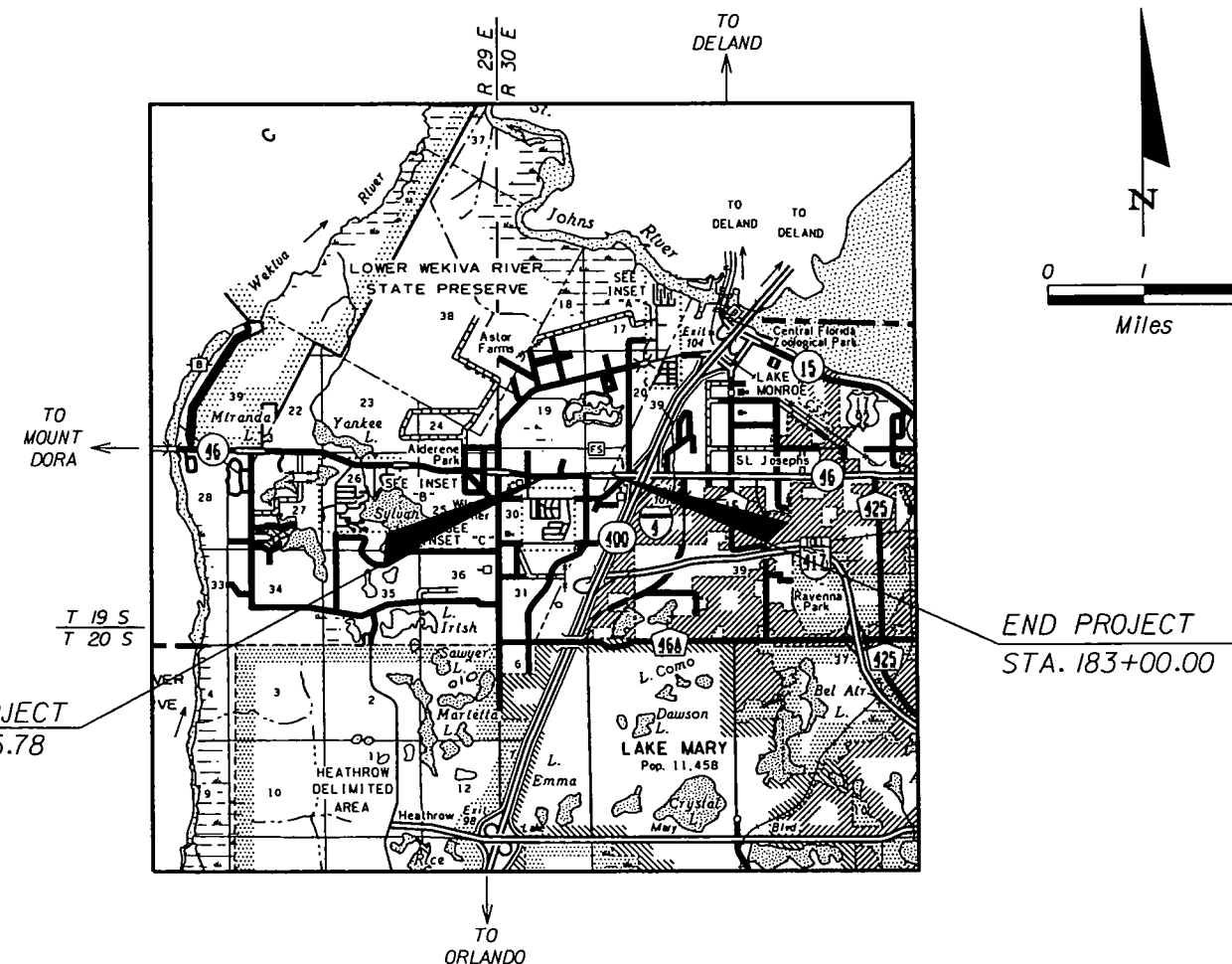
GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2010,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED 2010,
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 7/1/2011
For Design Standards Modifications click on
"Design Standards" at the following web site:
<http://www.dot.state.fl.us/rddesign/>

NOV 08 '15 09:30:00

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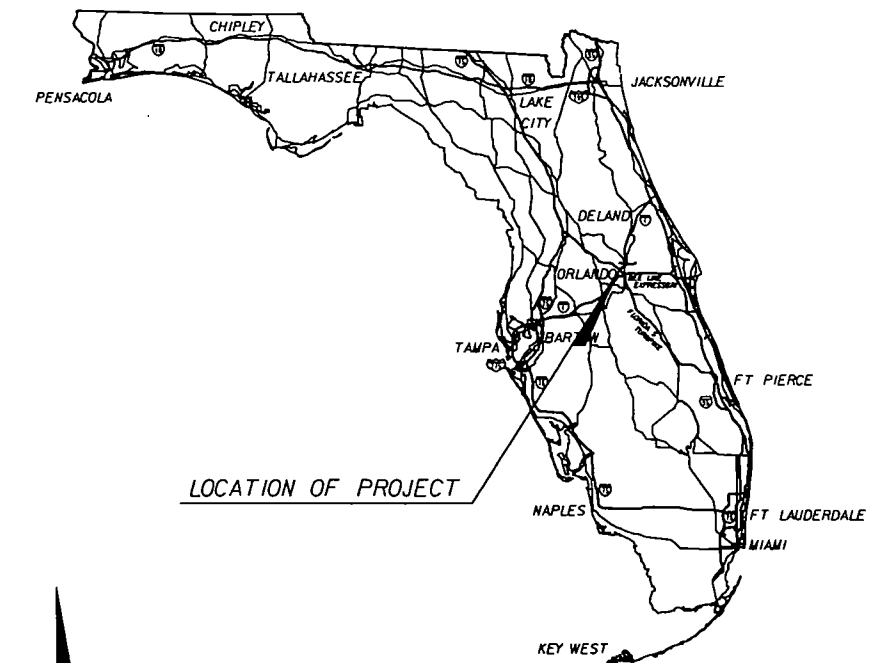
FINANCIAL PROJECT ID 240200-3
SEMINOLE COUNTY, FL
STATE ROAD NO. 46



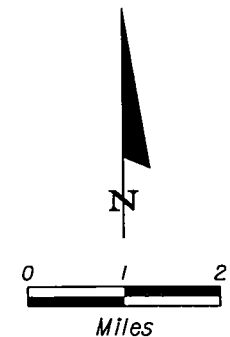
PROJECT LENGTH IS BASED ON ϕ OF CONSTRUCTION

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	9394.22	1.779
BRIDGES	0.00	0.00
NET LENGTH OF PROJECT	9394.22	1.779
EXCEPTIONS	0.00	0.00
GROSS LENGTH OF PROJECT	9394.22	1.779

FDOT PROJECT MANAGER: SUZANNE PHILLIPS, P.E.



LOCATION OF PROJECT



RECEIVED
NOV 09 2011

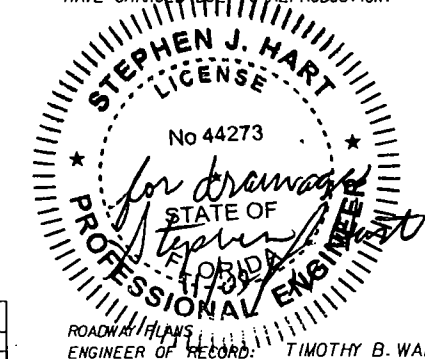
DEP Central Dist.

PLANS PREPARED BY:

CH2MHILL

225 E. ROBINSON ST.
SUITE 505
ORLANDO, FLORIDA 32801
(407) 423-0030

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



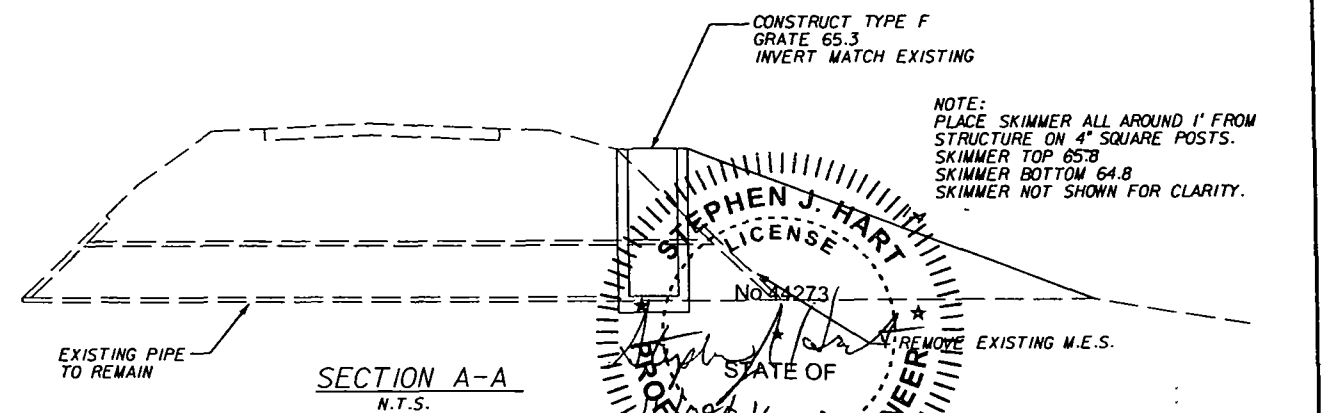
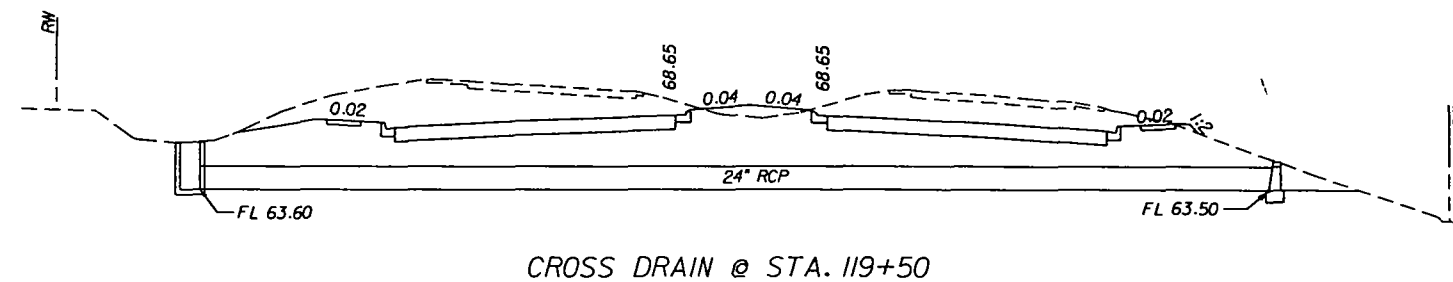
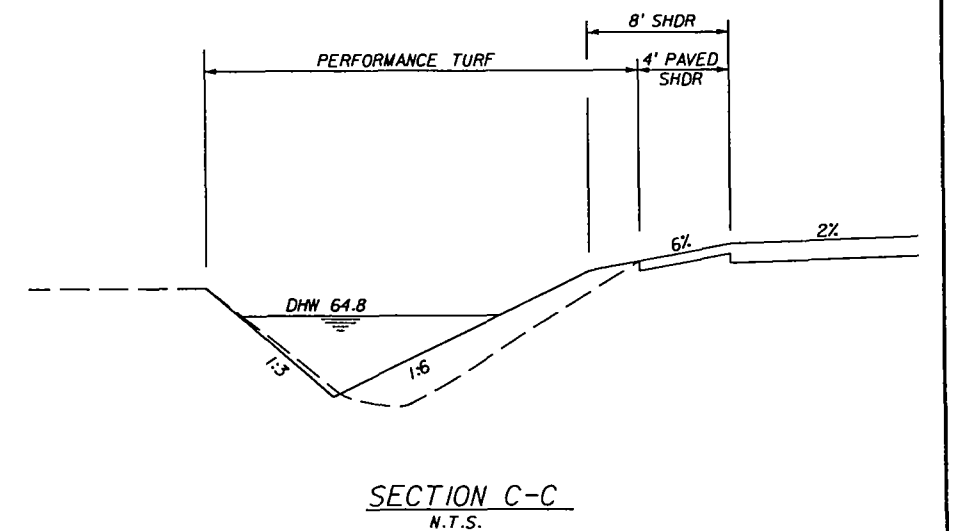
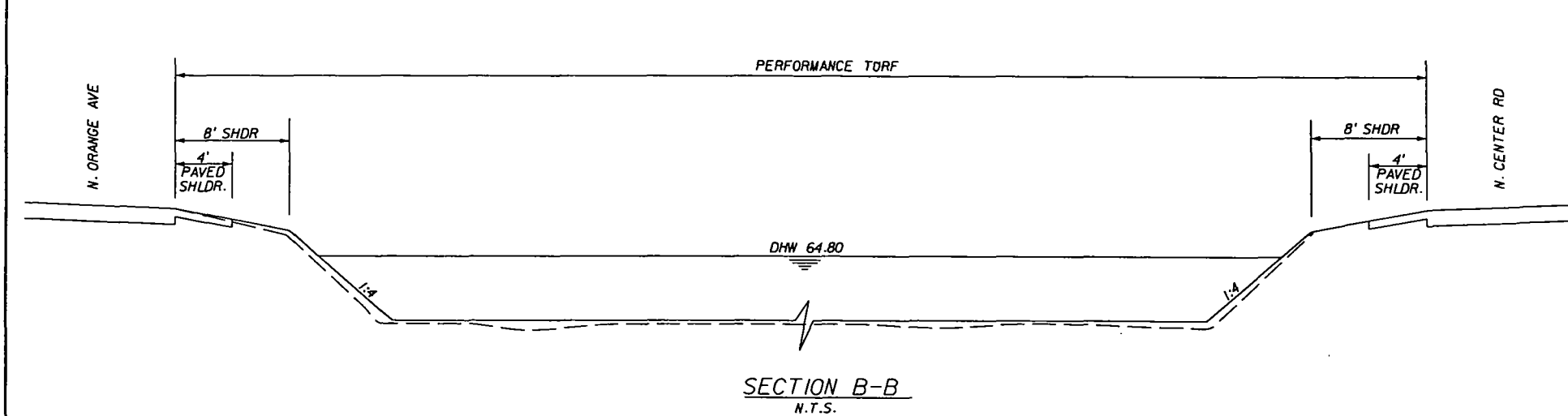
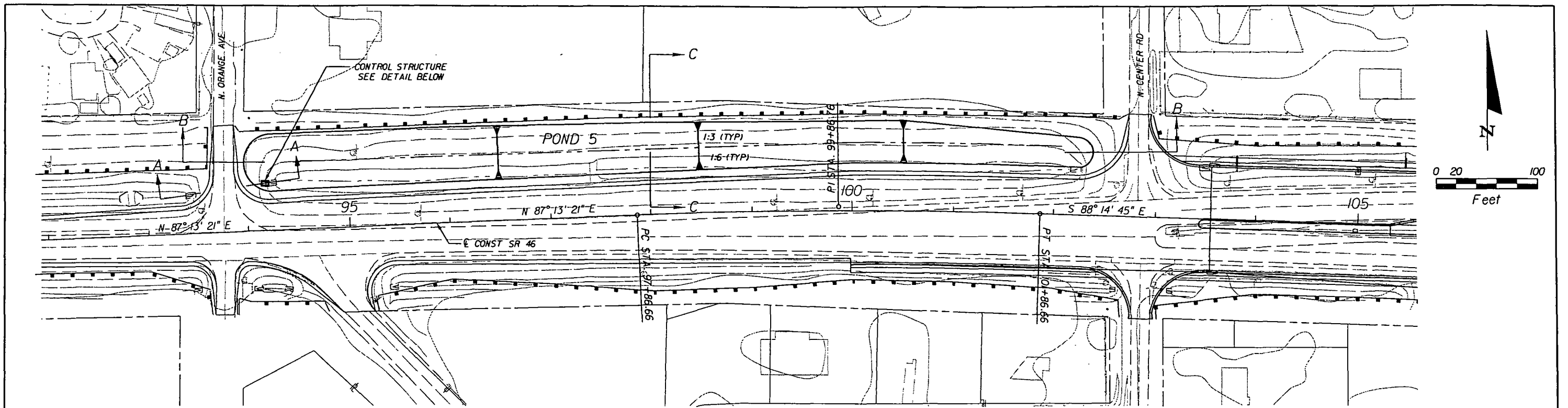
ROADWAY PLANS
ENGINEER OF RECORD: TIMOTHY B. WALSH

P.E. NO. 34933

FISCAL YEAR	. SHEET NO.
	1

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Orig

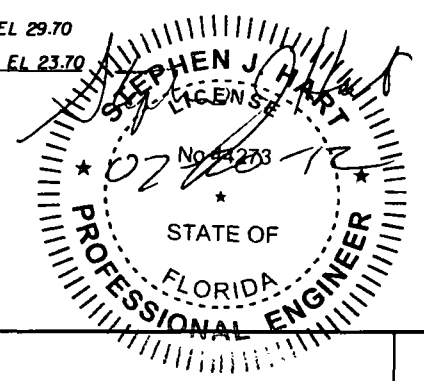
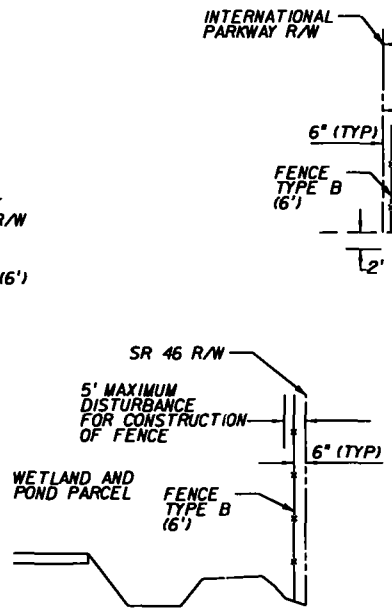
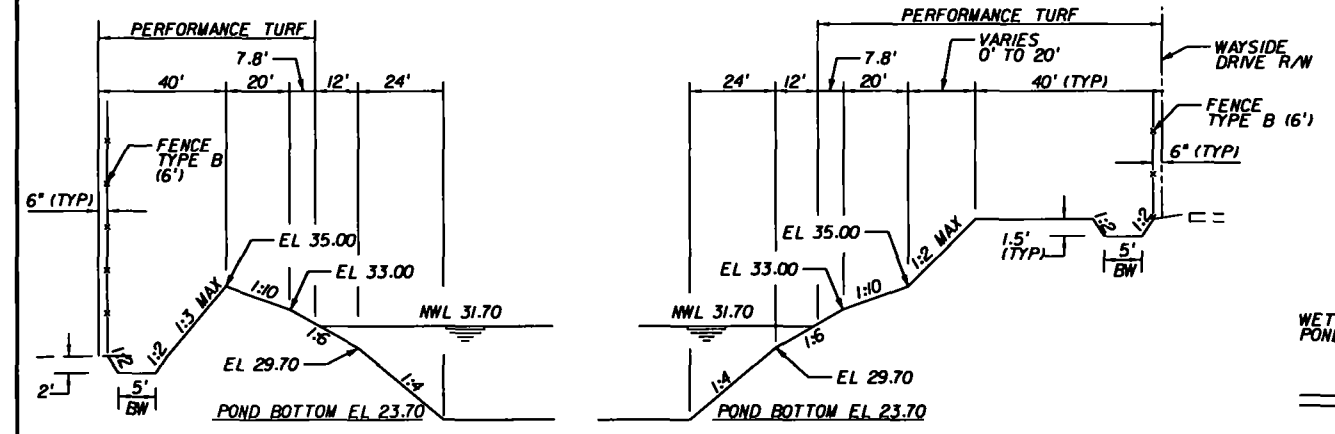
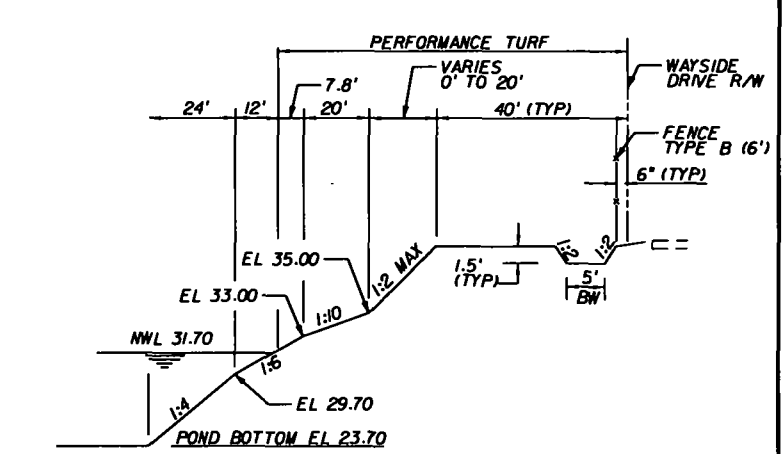
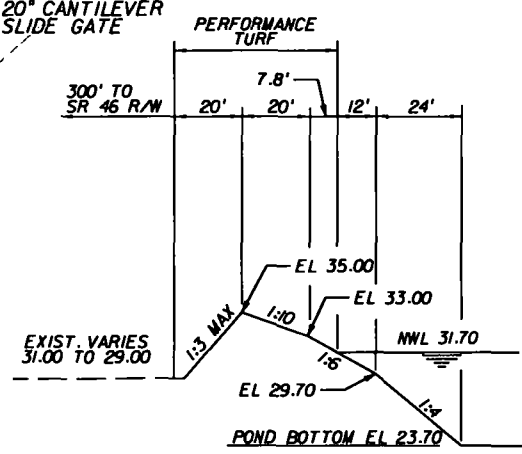
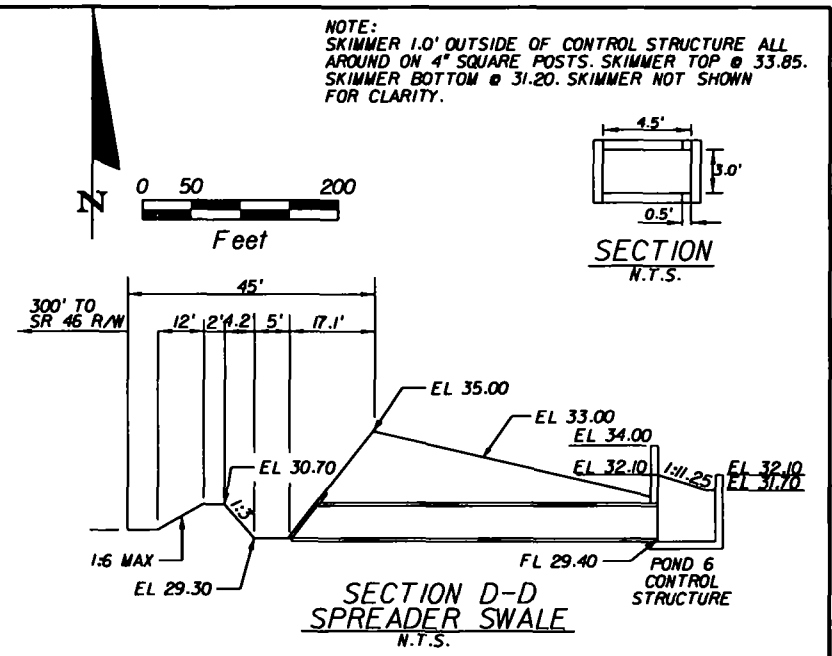
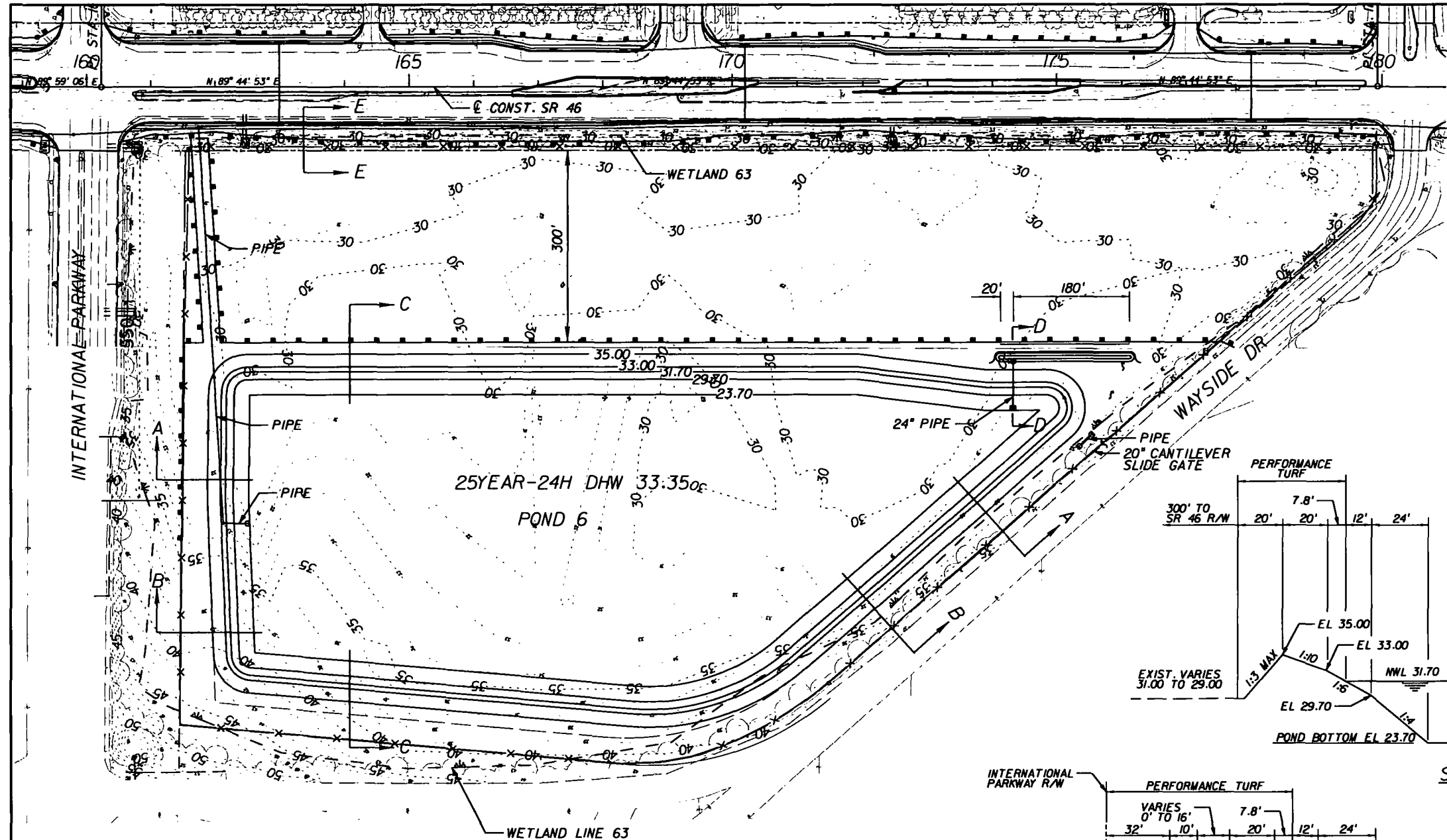


REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record: STEPHEN J. HART
 P.E. License No.: 44273
CH2M HILL
 225 E. ROBINSON STREET
 SUITE 505
 ORLANDO, FL 32801-4322
 CERTIFICATE OF AUTHORIZATION NO. 25861

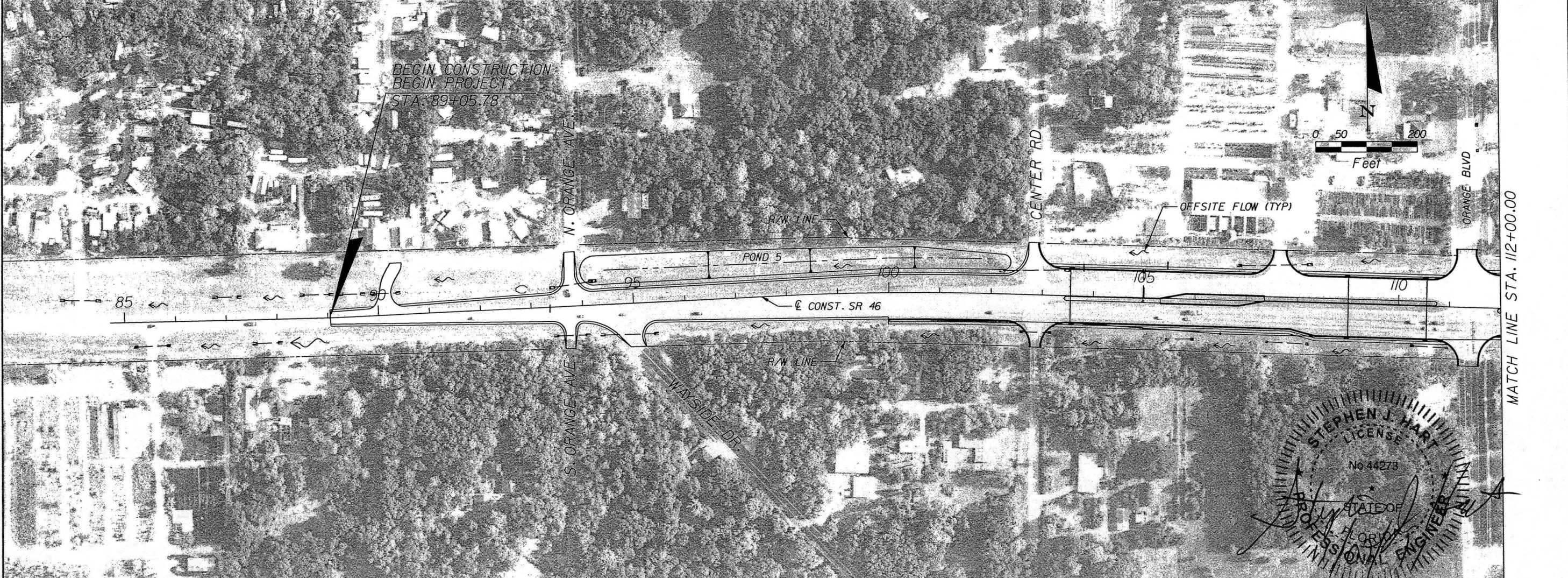
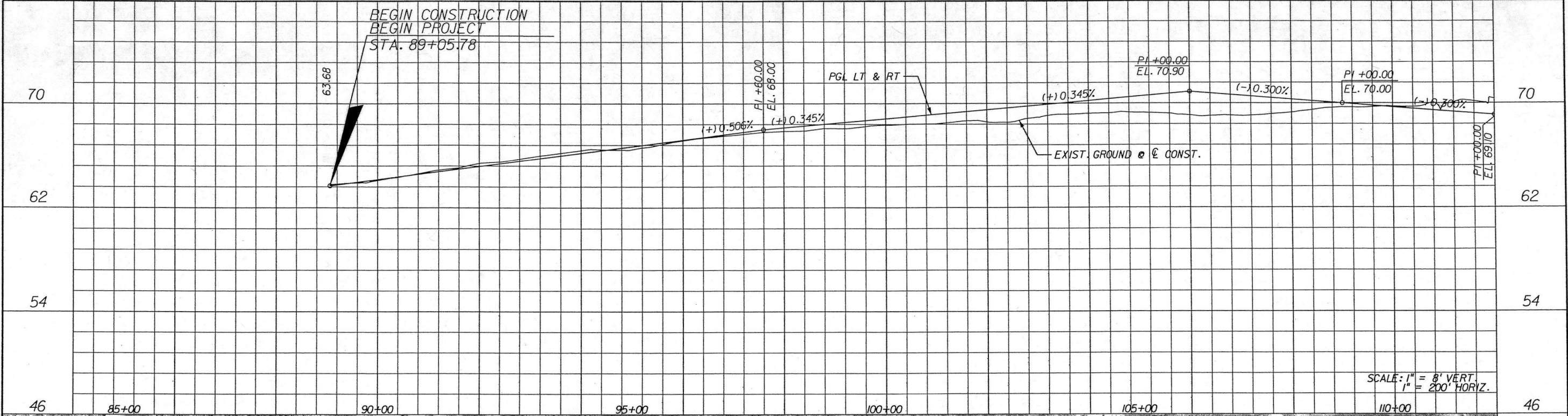
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	SEMINOLE	240200-3

POND 5 DETAIL		SHEET NO.
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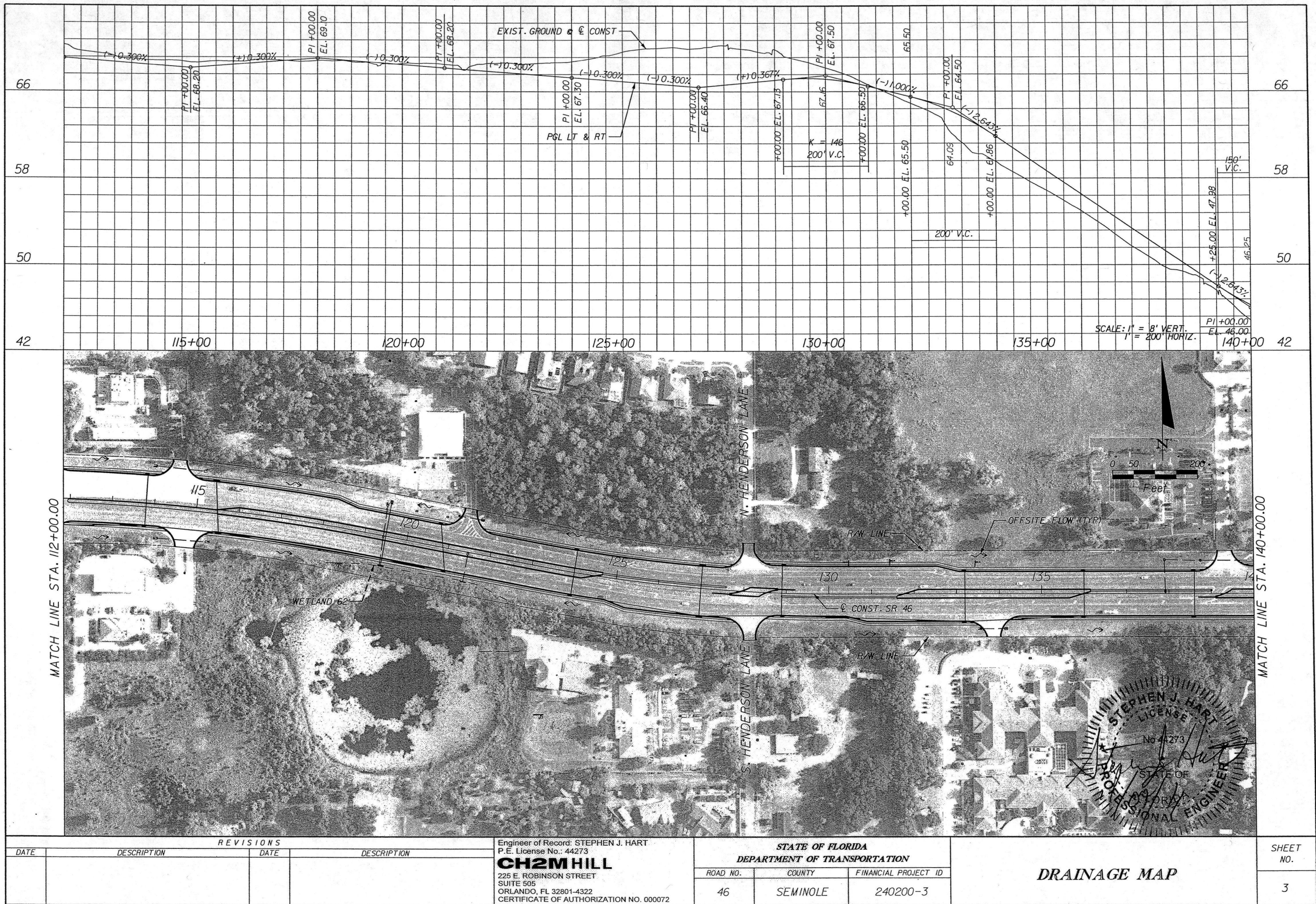
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DATE 2/2/11		REVISIONS		Engineer of Record: STEPHEN J. HART P.E. License No.: 44273 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		POND 6 DETAIL		26	
DESCRIPTION		DATE BY DESCRIPTION				ROAD NO. COUNTY FINANCIAL PROJECT ID					
Cen... Dist ERP						46 SEMINOLE 240200-3					

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	SEMINOLE	240200-3		

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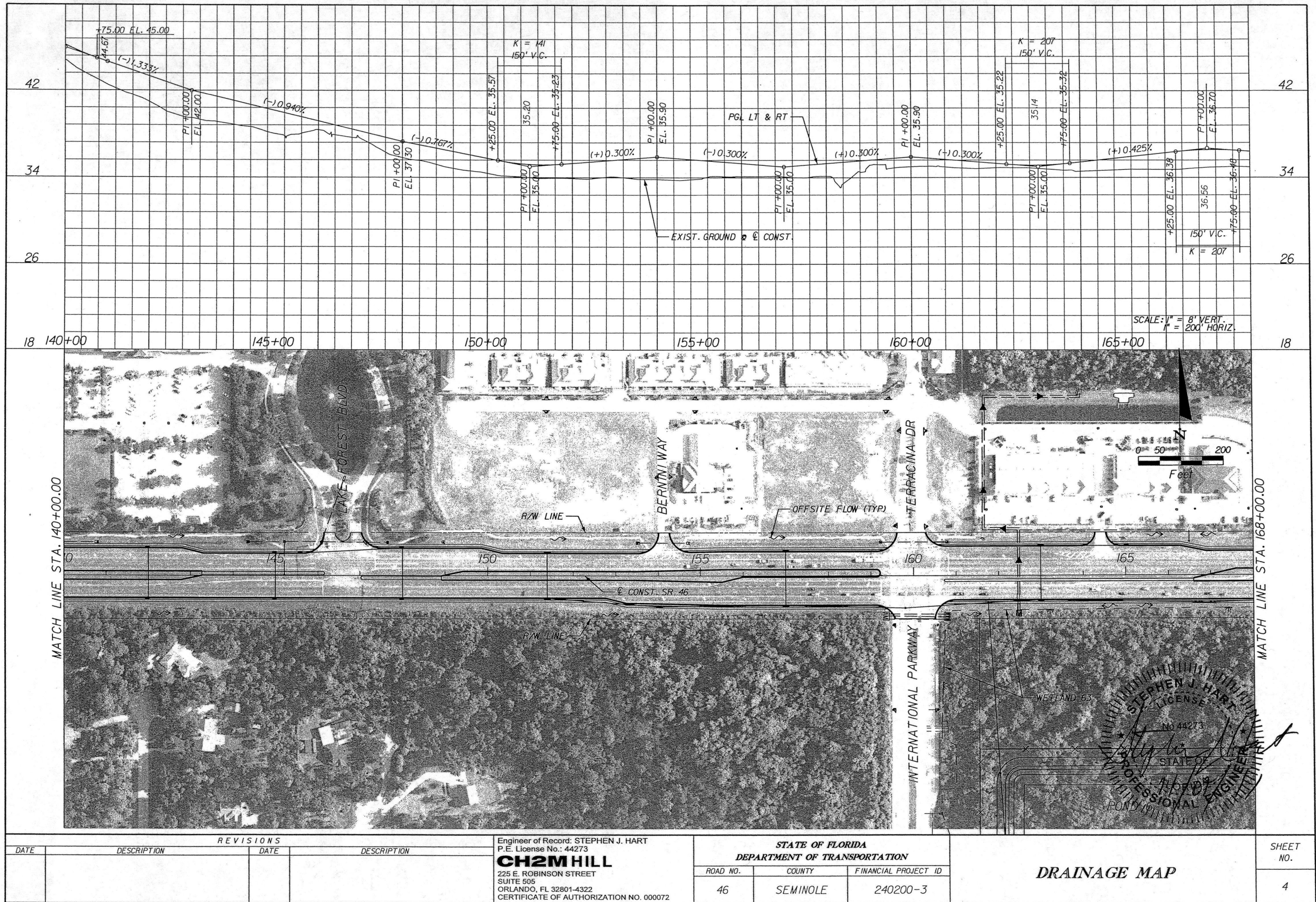
REVISIONS				Engineer of Record: STEPHEN J. HART P.E. License No.: 44273 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE MAP	SHEET NO. 3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	SEMINOLE	240200-3		

e:johnso2

11/8/2011

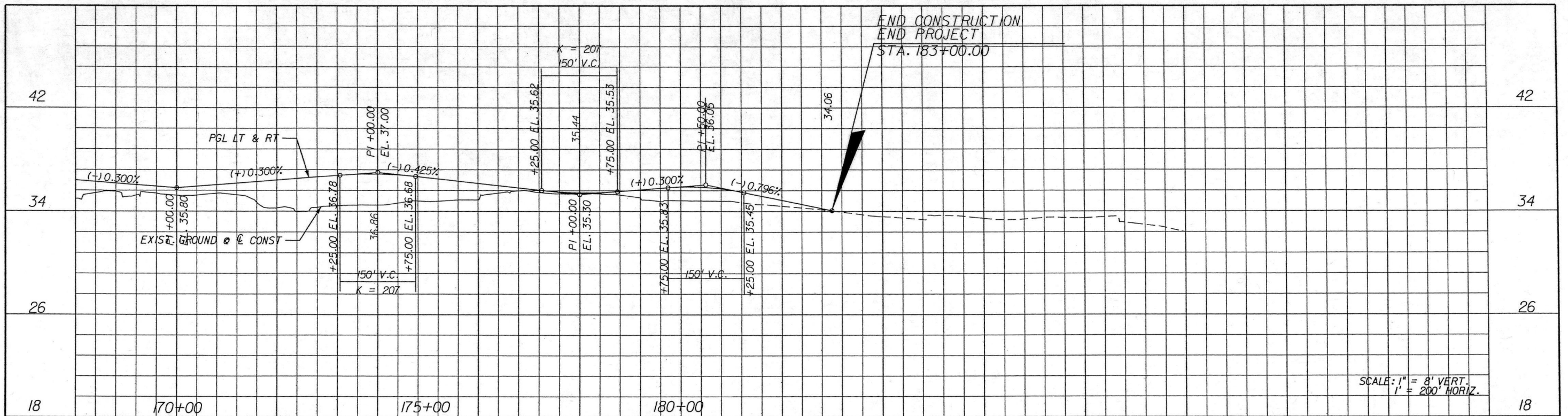
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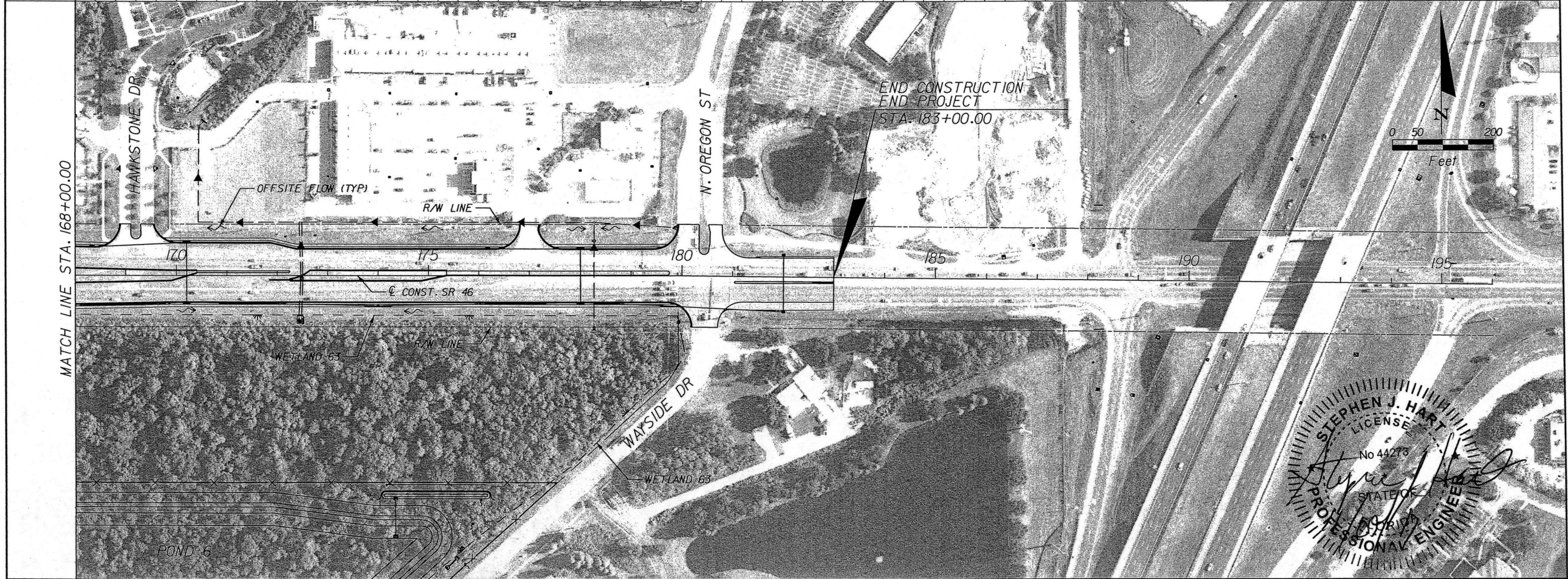


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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	SEMINOLE	240200-3		

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SCALE: 1" = 8' VERT.
1" = 200' HORIZ.



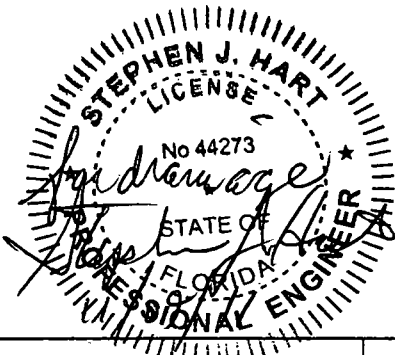
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		5
					46	SEMINOLE	240200-3		

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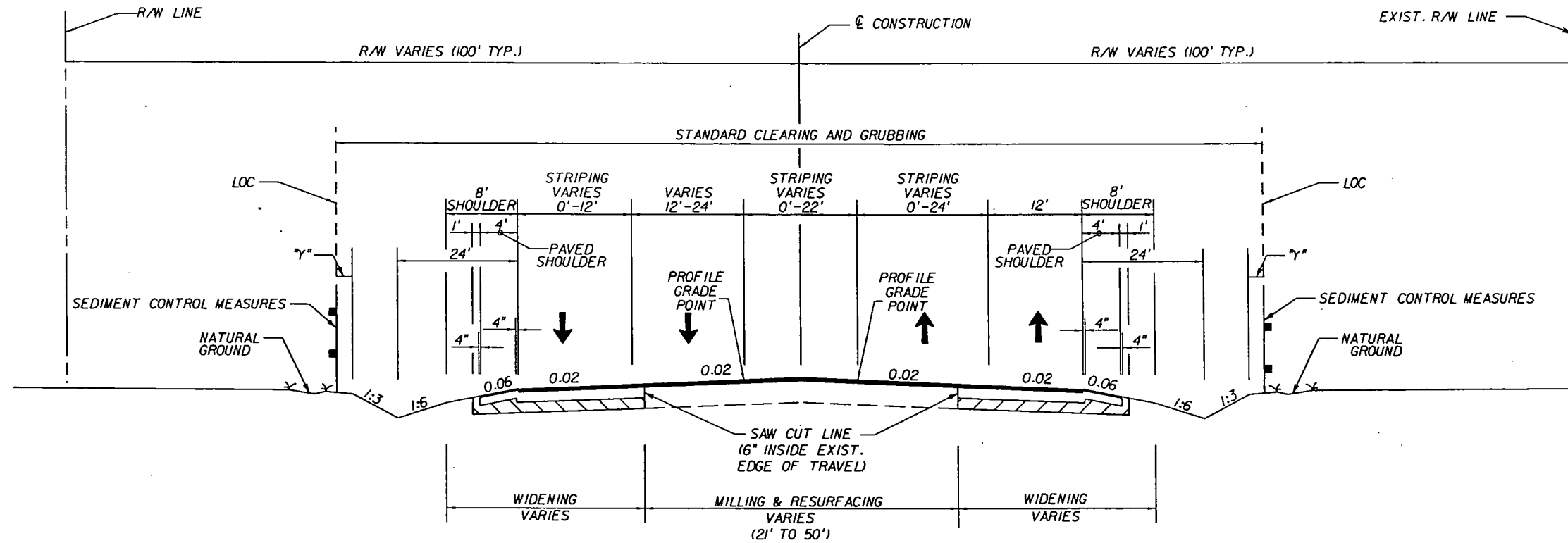
GENERAL NOTES

1. NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. STATIONS AND OFFSETS REFER TO THE $\mathbb{E}$ CONSTRUCTION UNLESS OTHERWISE NOTED.
3. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
4. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS ARE BASED UPON INFORMATION PROVIDED BY THE UTILITY ENTITIES IN THE PD&E PHASE AND HAVE NOT BEEN FIELD VERIFIED.
5. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
6. UTILITY/AGENCY OWNERS:

COMPANY	CONTACT	TELEPHONE NUMBER
COMCAST COMMUNICATIONS	BILL GRAHAM	352-787-9601
BRIGHTHOUSE NETWORKS	MARVIN USRY JR.	407-532-8509
PROGRESS ENERGY FLORIDA, INC.	KATYA HALL	407-942-9243
FLORIDA GAS TRANSMISSION	JOE SANCHEZ	407-838-7171
FLORIDA PUBLIC UTILITIES	DAN SCRIBBEN	386-668-9319
AT&T	GREG JACOBSON	813-342-0512
SEMINOLE COUNTY ENVIRONMENTAL SERVICES	PATTY LEVITI	407-665-2000
SEMINOLE COUNTY TRAFFIC ENGINEERING	DAVID MUNIZ	407-665-5679
7. ANY PUBLIC LAND CORNER OR CONTROL POINT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT OR CONTROL POINT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE ENGINEER SHOULD NOTIFY THE DISTRICT LOCATION SURVEYOR, WITHOUT DELAY, BY TELEPHONE.
8. EXISTING DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REPLACED AT THE SAME LOCATION AND WIDTH, UNLESS OTHERWISE SHOWN IN THE PLANS.
9. CAUTION SHALL BE EXERCISED WHILE RELOCATING EXISTING SIGNS TO PREVENT UNNECESSARY DAMAGE TO SIGNS. IF THE SIGNS ARE DAMAGED BEYOND USE, AS DETERMINED BY THE ENGINEERING INSPECTOR, THE CONTRACTOR AT HIS/HER EXPENSE SHALL REPLACE SIGNS.
10. ALL MAIL BOXES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE TAKEN DOWN AND RESET IN ACCORDANCE WITH POSTAL REQUIREMENTS BY THE CONTRACTOR.
11. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES.
12. THE CONTRACTOR IS REQUIRED TO RESTORE OR REPLACE LANDSCAPING, SOD, SPRINKLERS, FENCING, WALLS AND ETC. TO IT'S PRE-CONSTRUCTION CONDITION OR BETTER.
13. THE CONTRACTOR SHALL REMOVE BURIED OUT OF SERVICE UTILITY LINES WITHIN LIMITS OF CONSTRUCTION AT THE COST OF THE WORK BEING PERFORMED WHEN THE LINES ARE ENCOUNTERED.
14. ROLLED SOD SHALL NOT BE USED BY THE CONTRACTOR.



REVISIONS						Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							46	SEMINOLE	240200-3		6



ACTUAL OF BASE WIDENING MAY VARY DUE TO ACTUAL WIDTH OF EXISTING PAVEMENT.

GRASS ALL DISTURBED AREAS

NOTES:

1. "Y" THE AREA DISTURBED VARIES, 2' MIN.

TYPICAL SECTION No. 1

SR 46

STA. 89+05.78 TO STA. 103+00.00

2-LANE TO 6-LANE TRANSITION

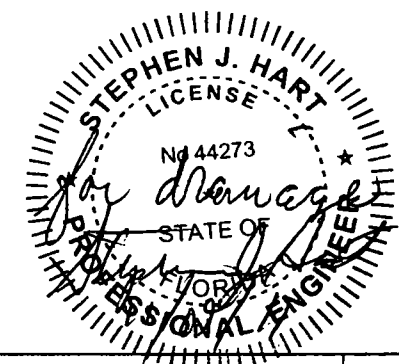
2012 AADT: 32100

2022 AADT: 35500

2032 AADT: 3900

K=9%, D=52%, T=9%

DS = 45 MPH



REVISIONS						Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							46	SEMINOLE	240200-3		7

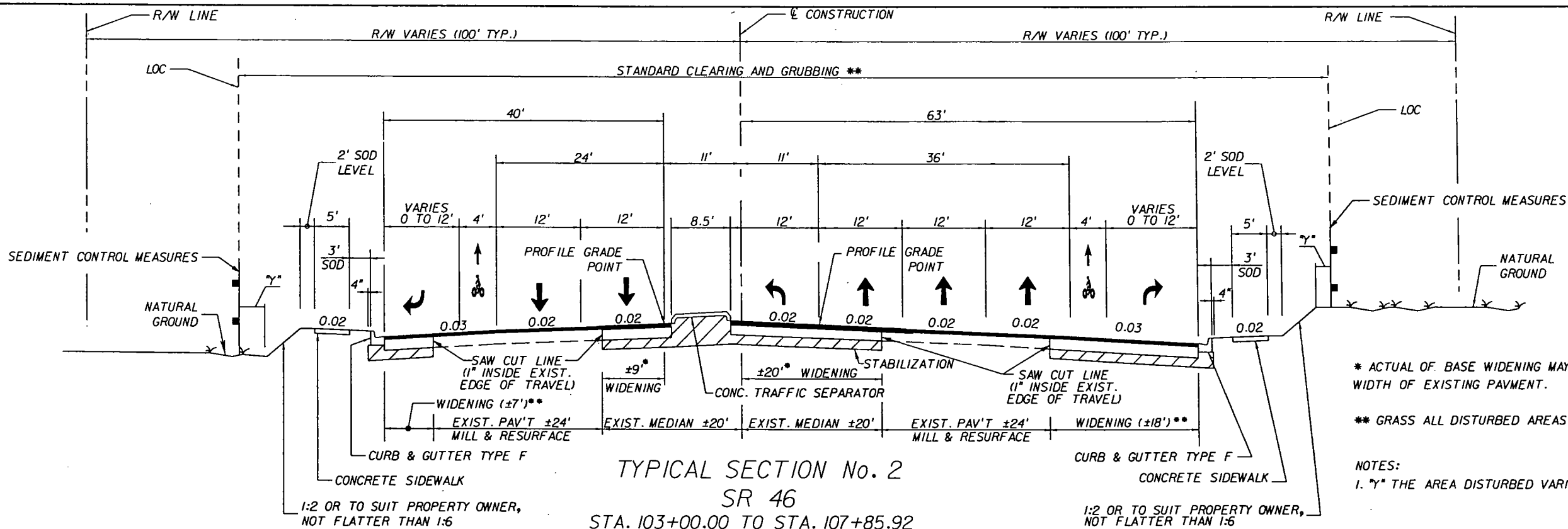
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11/8/2011

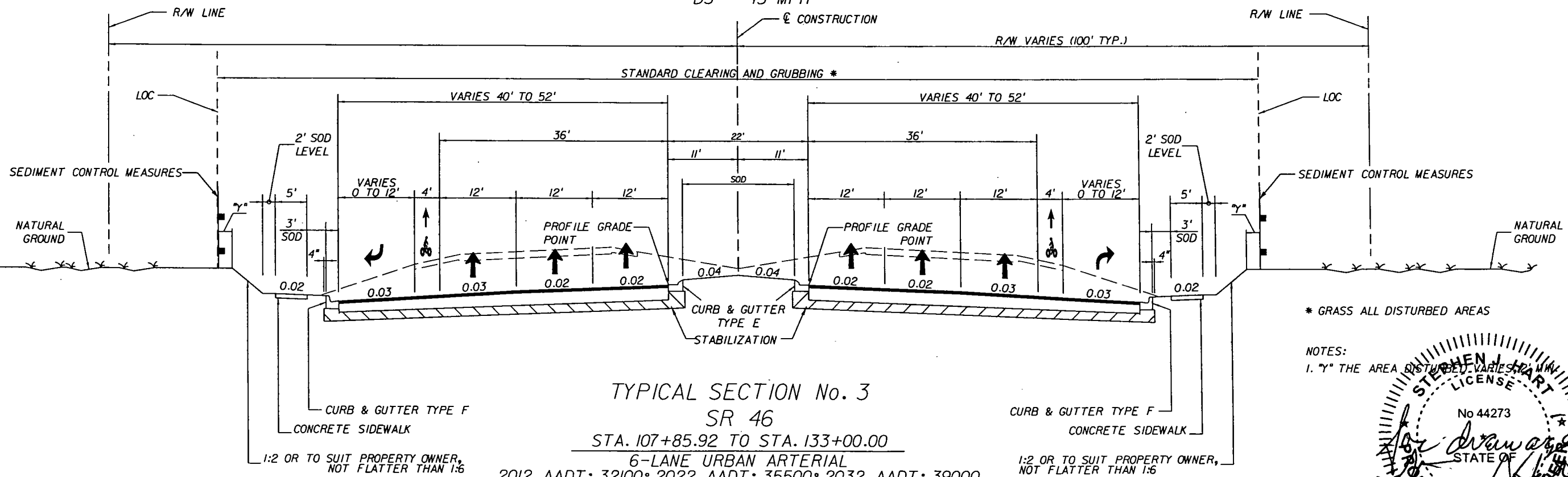
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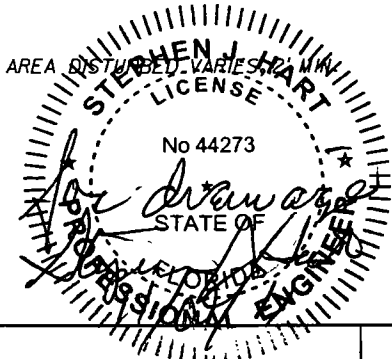
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TYPICAL SECTION No. 2
SR 46
STA. 103+00.00 TO STA. 107+85.92
6-LANE URBAN ARTERIAL
2012 AADT: 32100; 2022 AADT: 35500; 2032 AADT: 39000
K=9%, D=52%, T=9%
DS = 45 MPH



TYPICAL SECTION No. 3
SR 46
STA. 107+85.92 TO STA. 133+00.00
6-LANE URBAN ARTERIAL
2012 AADT: 32100; 2022 AADT: 35500; 2032 AADT: 39000
K=9%, D=52%, T=9%
DS = 45 MPH

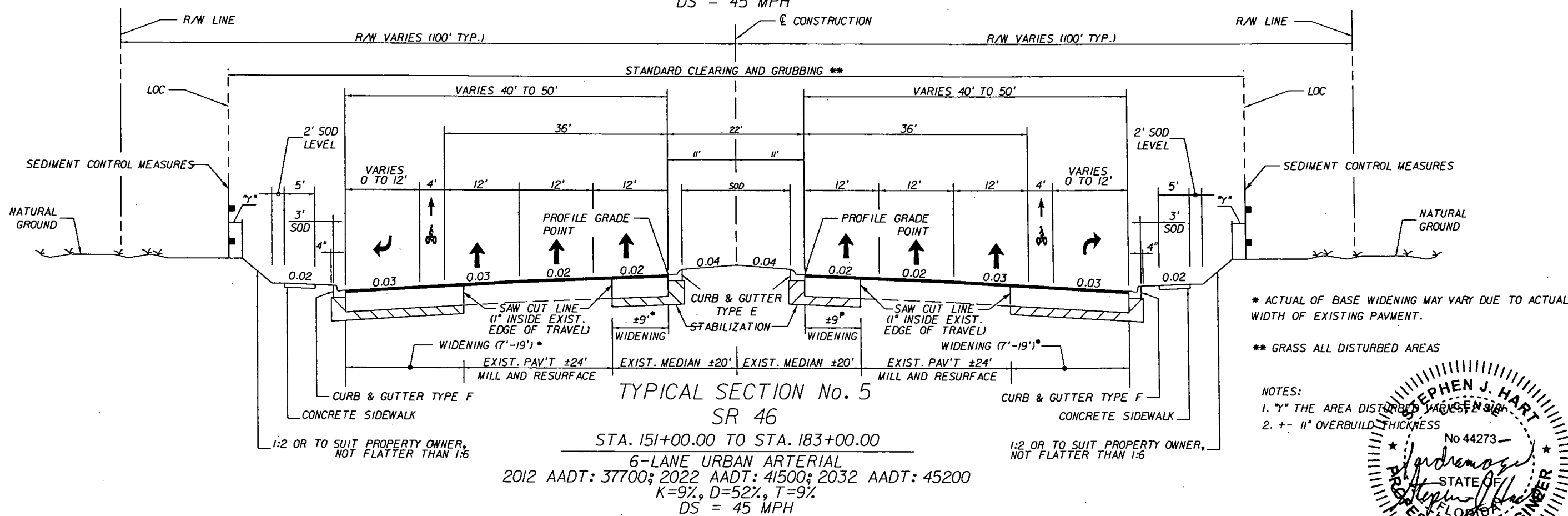
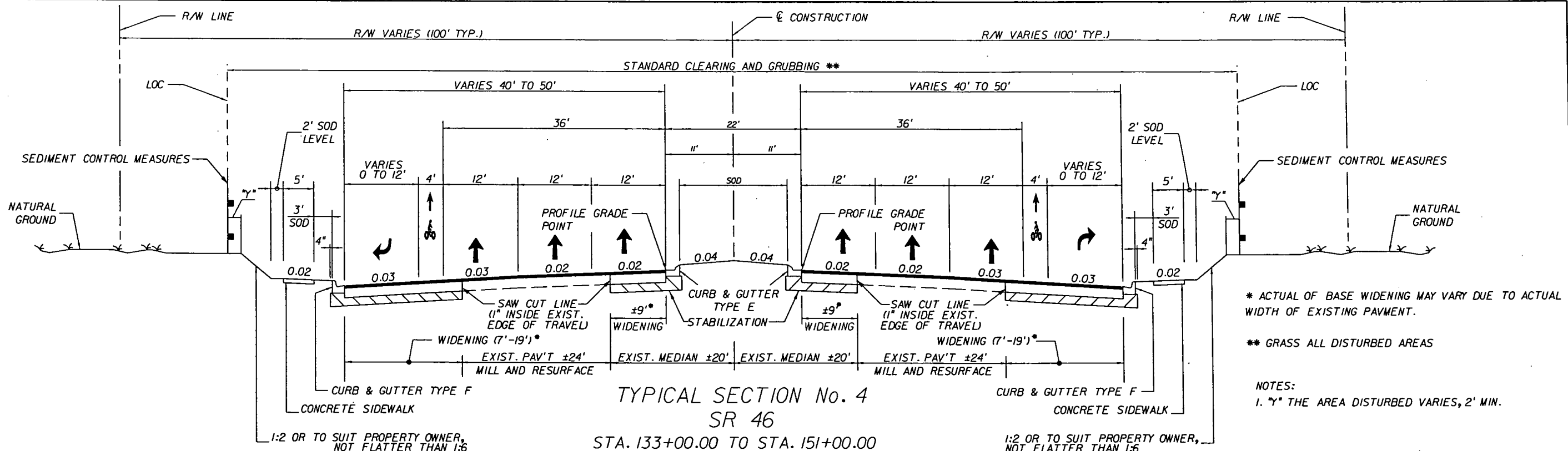


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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							46	SEMINOLE	240200-3		8

Engineer of Record: TIMOTHY B. WALSH
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 SUITE 505
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 CERTIFICATE OF AUTHORIZATION NO. 25861

TYPICAL SECTION

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CH2M HILL
 225 E. ROBINSON STREET
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 ORLANDO, FL 32801-4322
 CERTIFICATE OF AUTHORIZATION NO. 25861

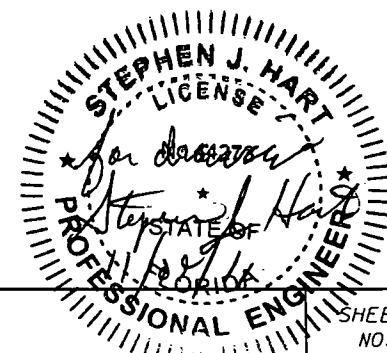
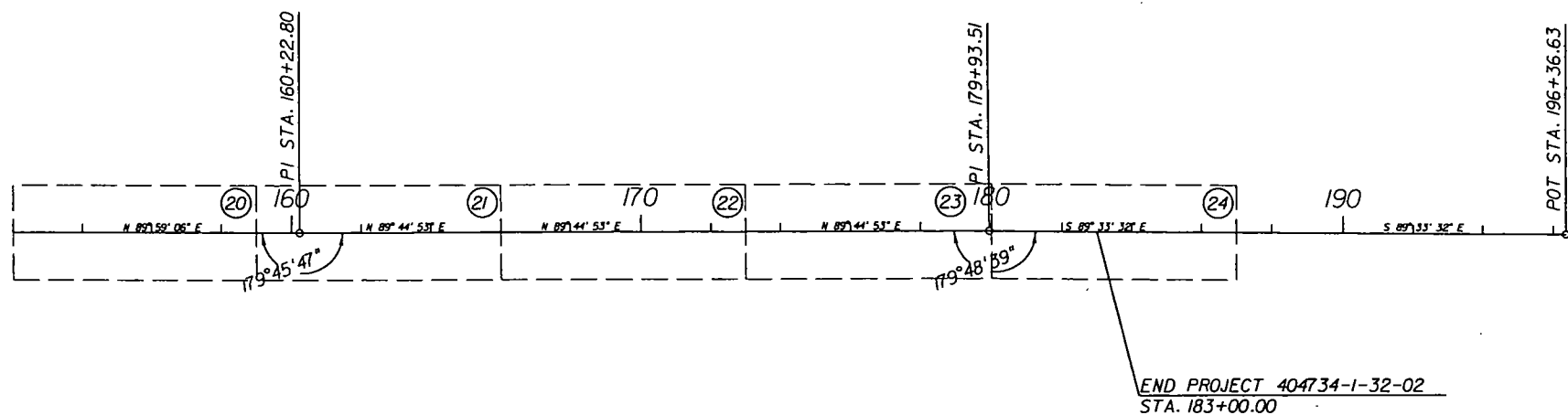
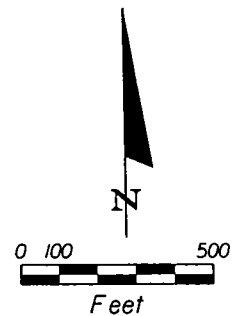
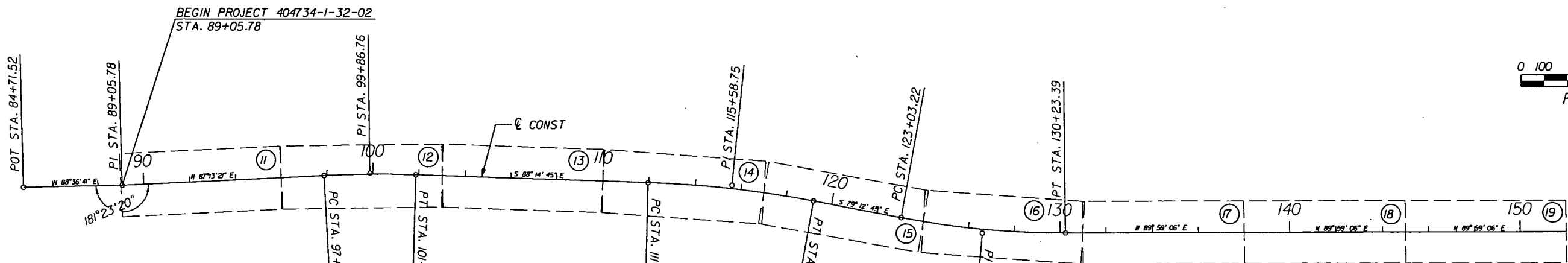
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	SEMINOLE	240200-3

TYPICAL SECTION

SHEET NO. 9

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REVISIONS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT	SHEET NO. 10
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						46	SEMINOLE	240200-3		

Engineer of Record: TIMOTHY B. WALSH
P.E. License No.: 34933
CH2M HILL
225 E. ROBINSON STREET
SUITE 505
ORLANDO, FL 32801-4322
CERTIFICATE OF AUTHORIZATION NO. 25861

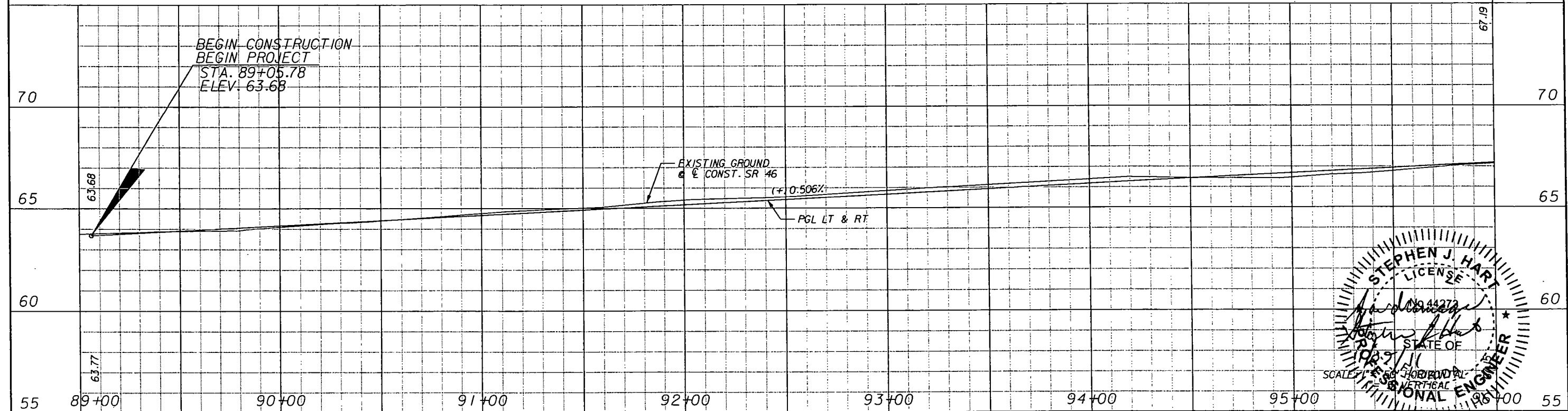
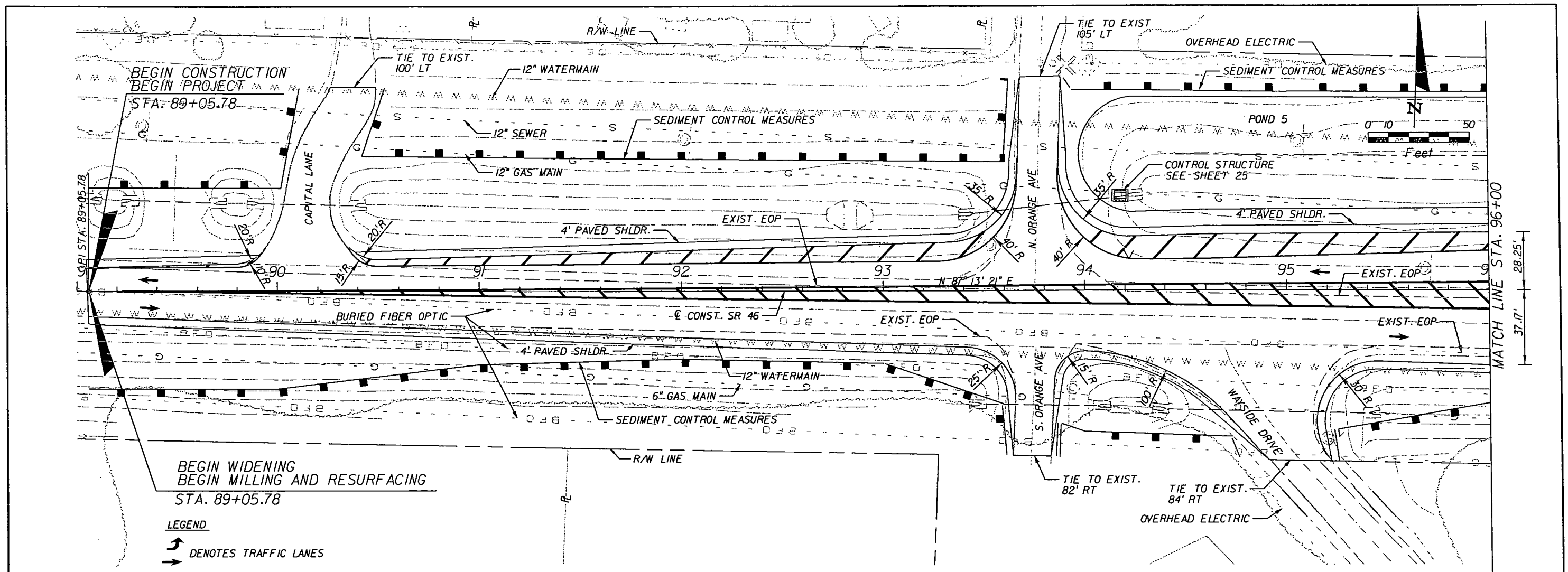
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11/8/2011

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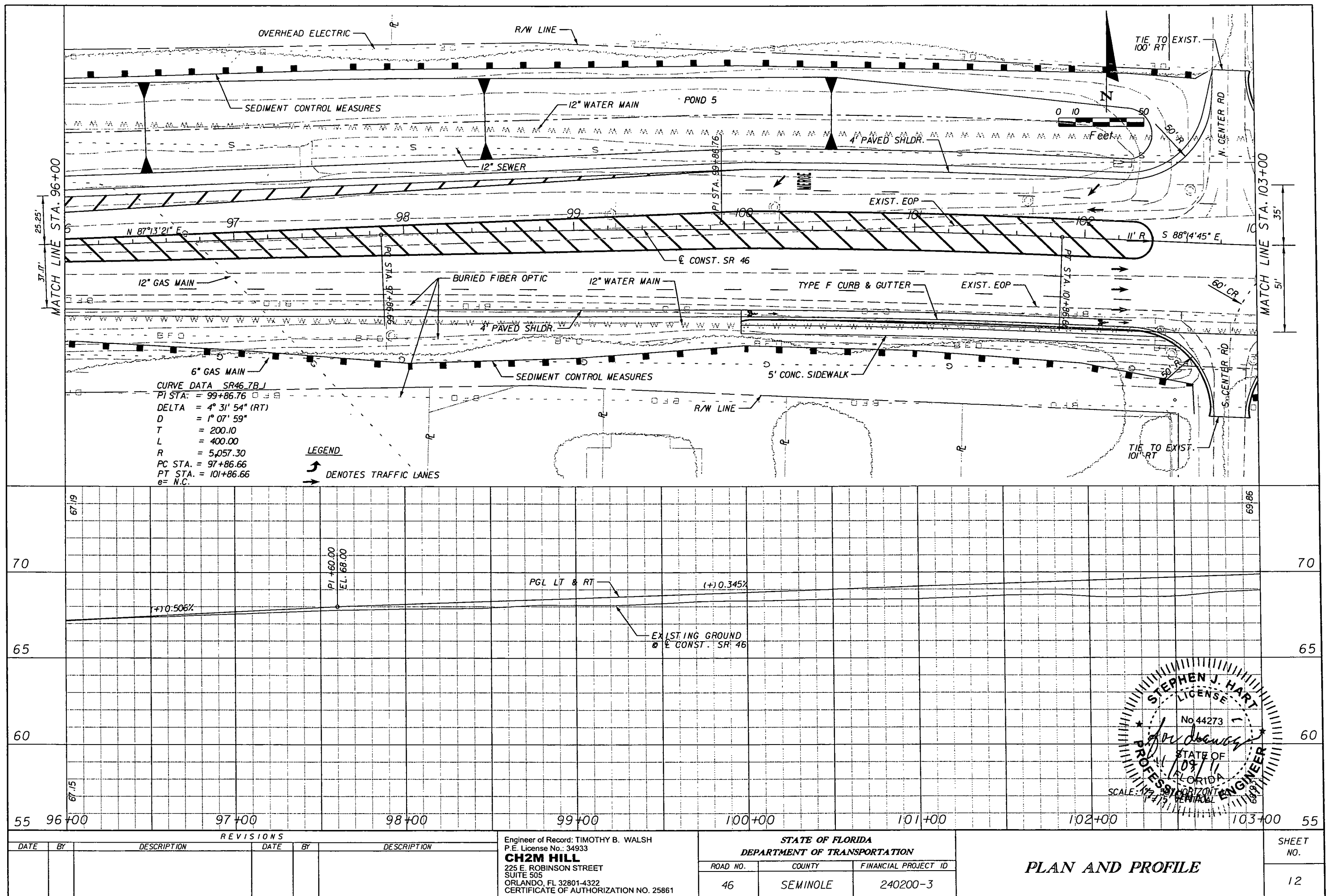
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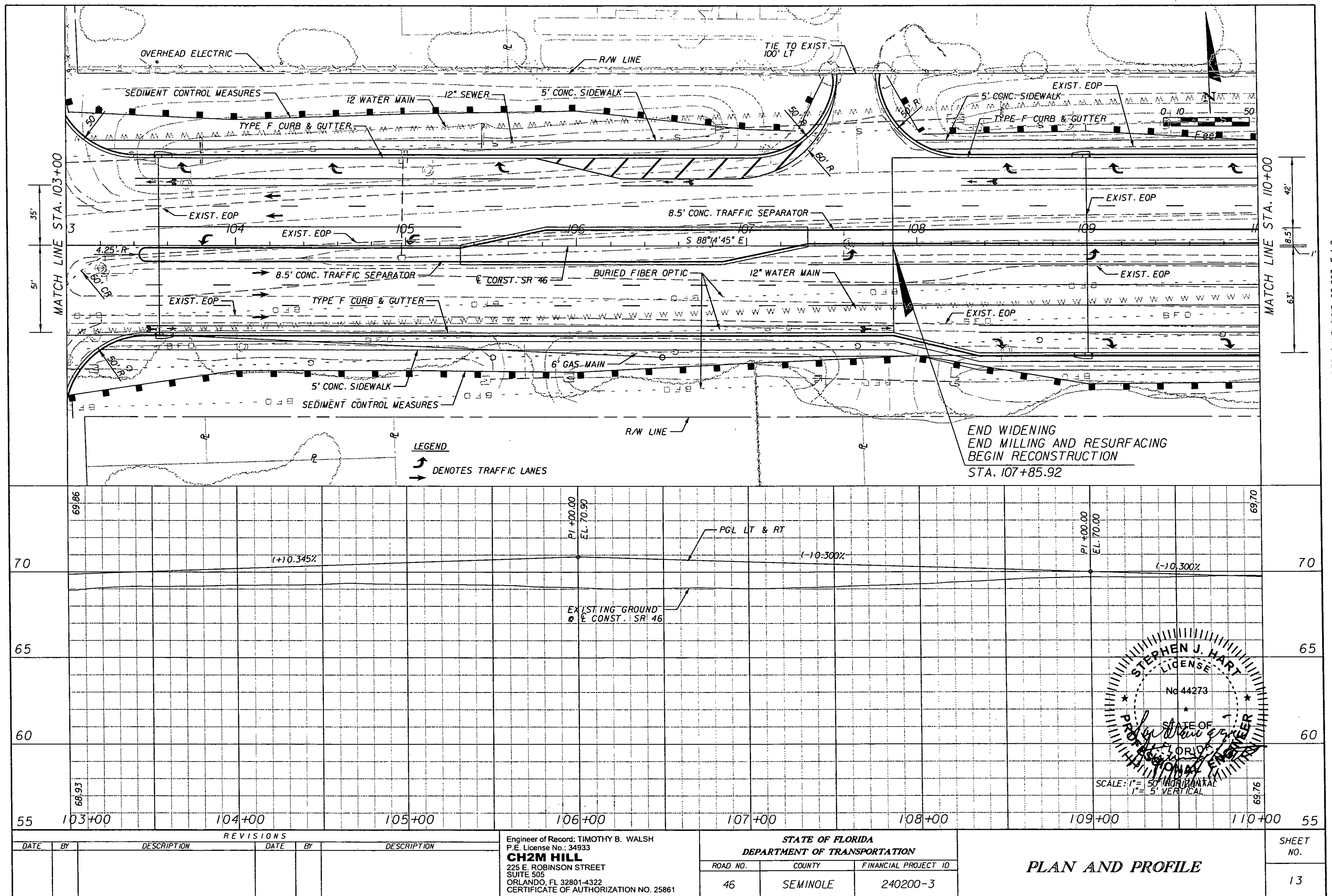


REVISIONS						Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN AND PROFILE	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		11
							46	SEMINOLE	240200-3		

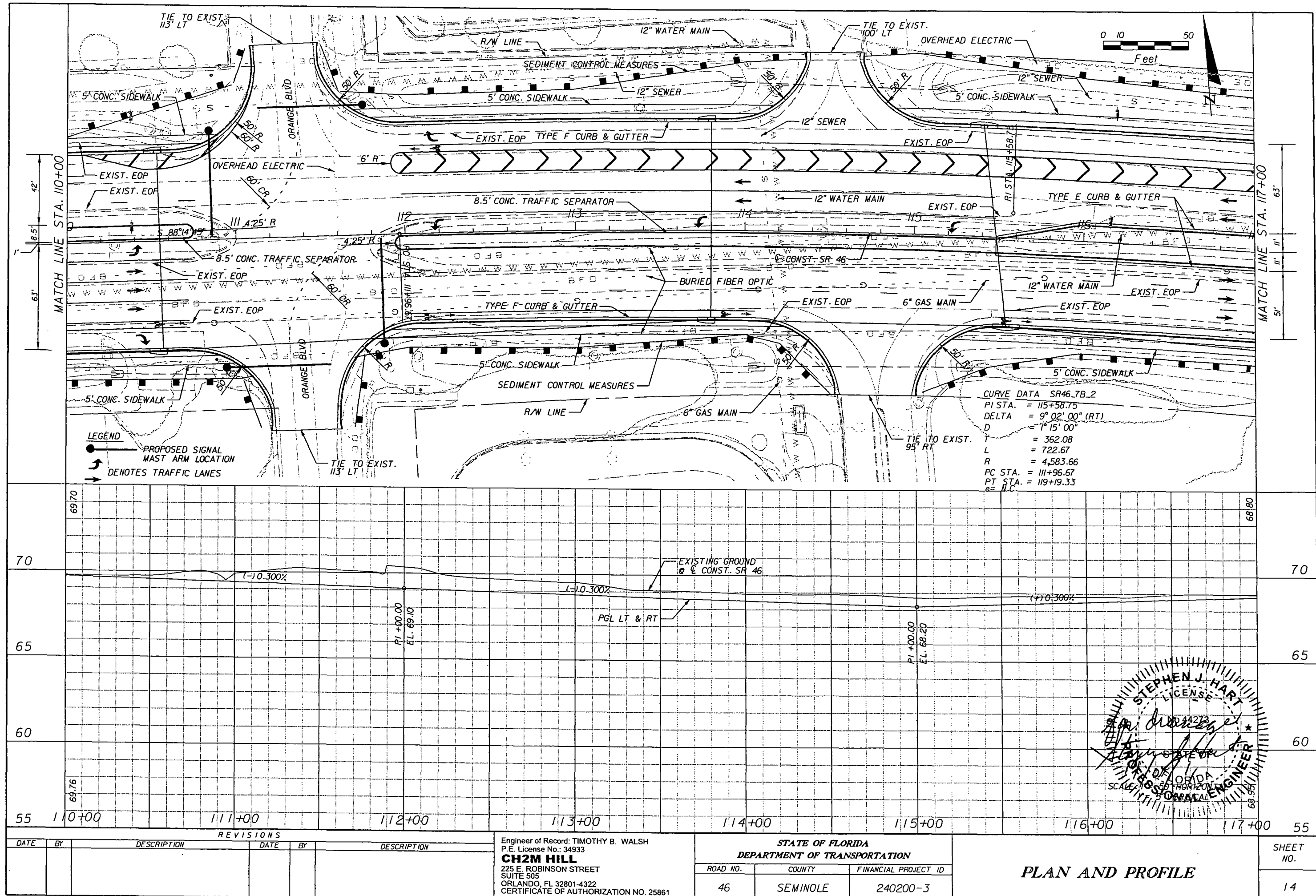
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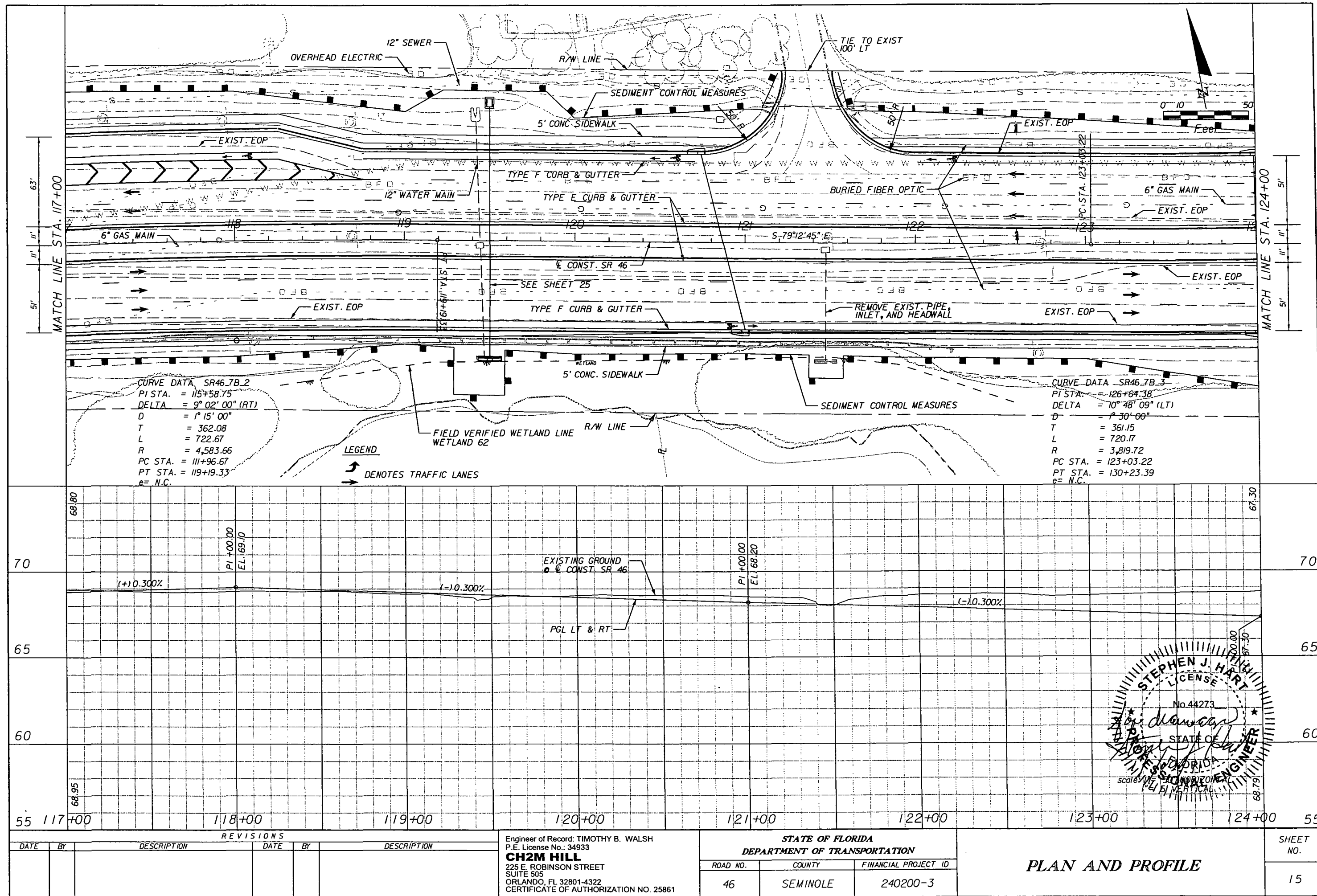
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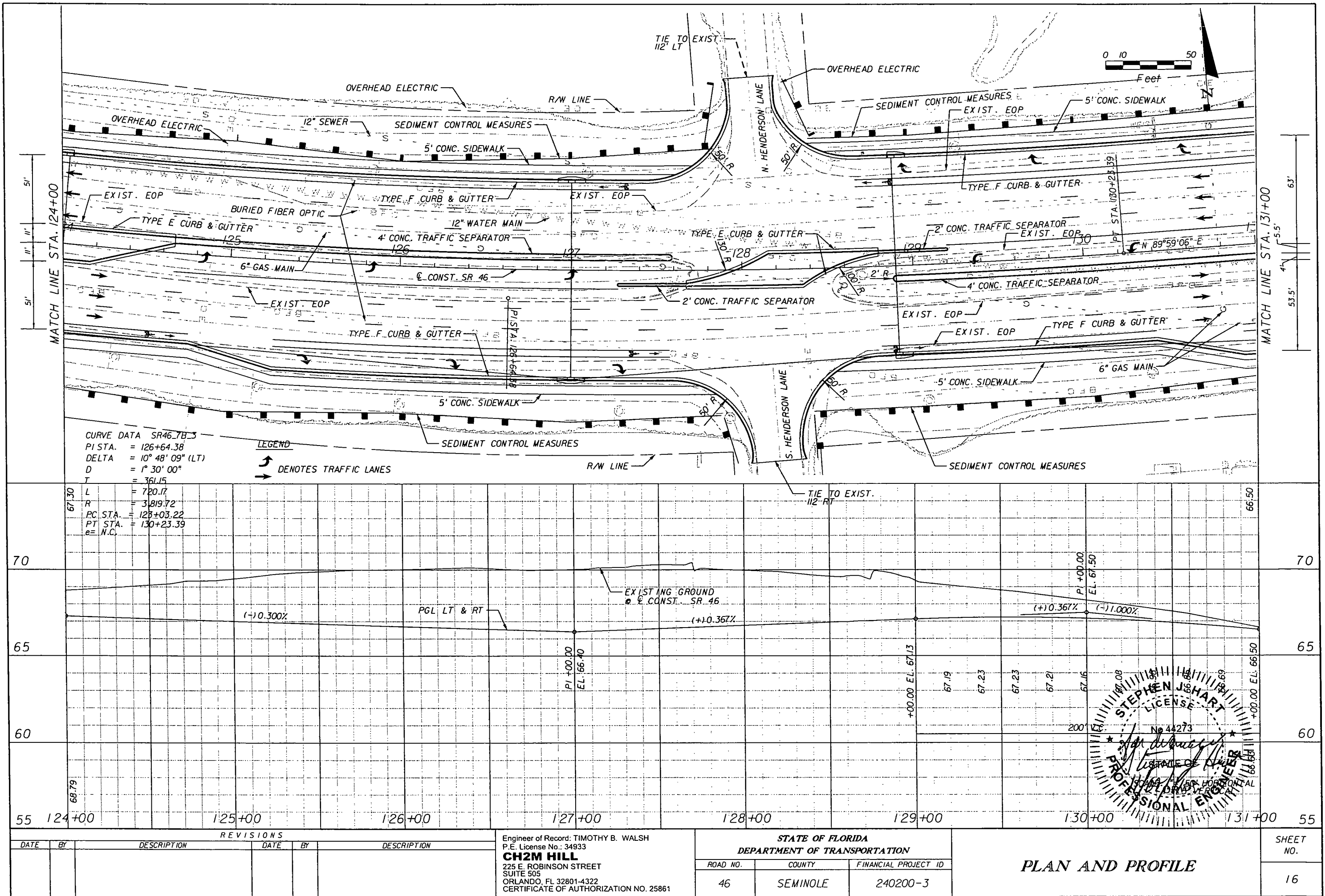
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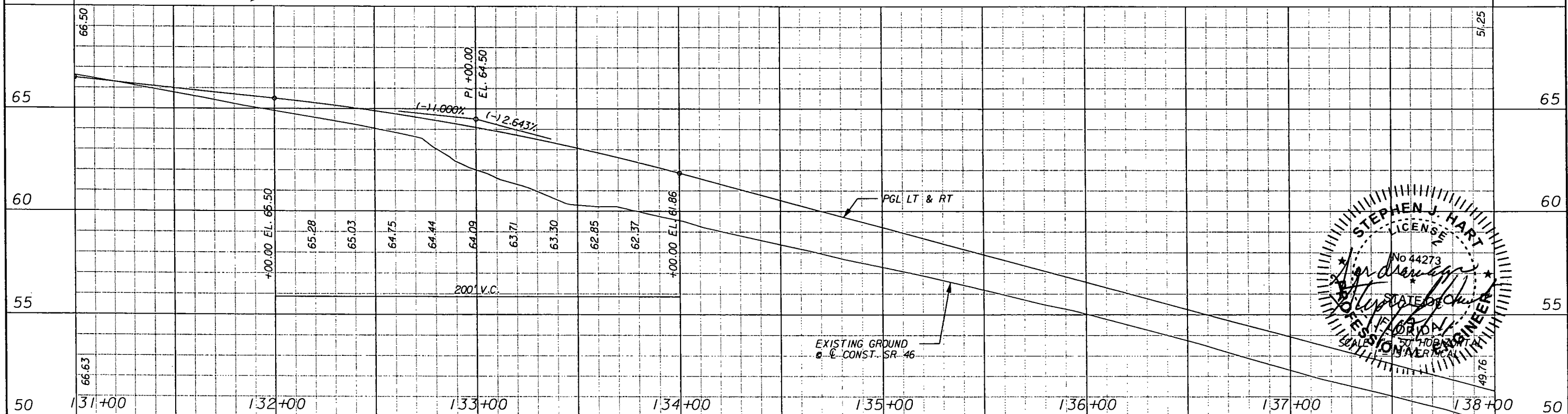
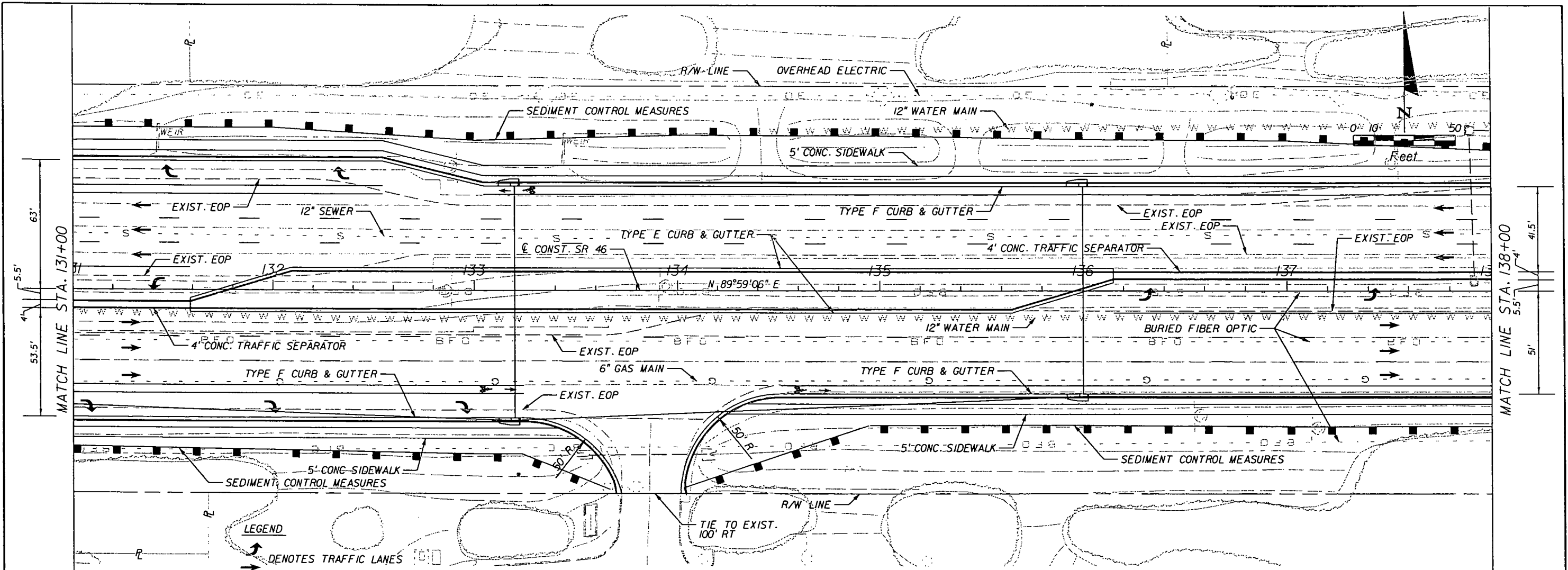
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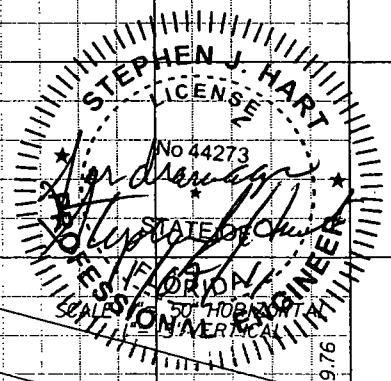


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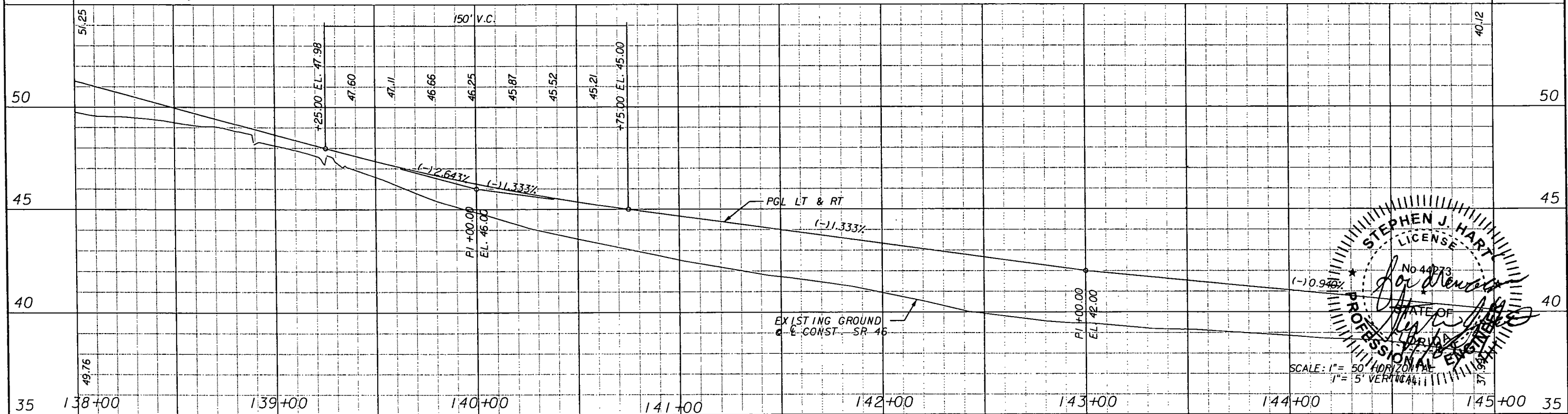
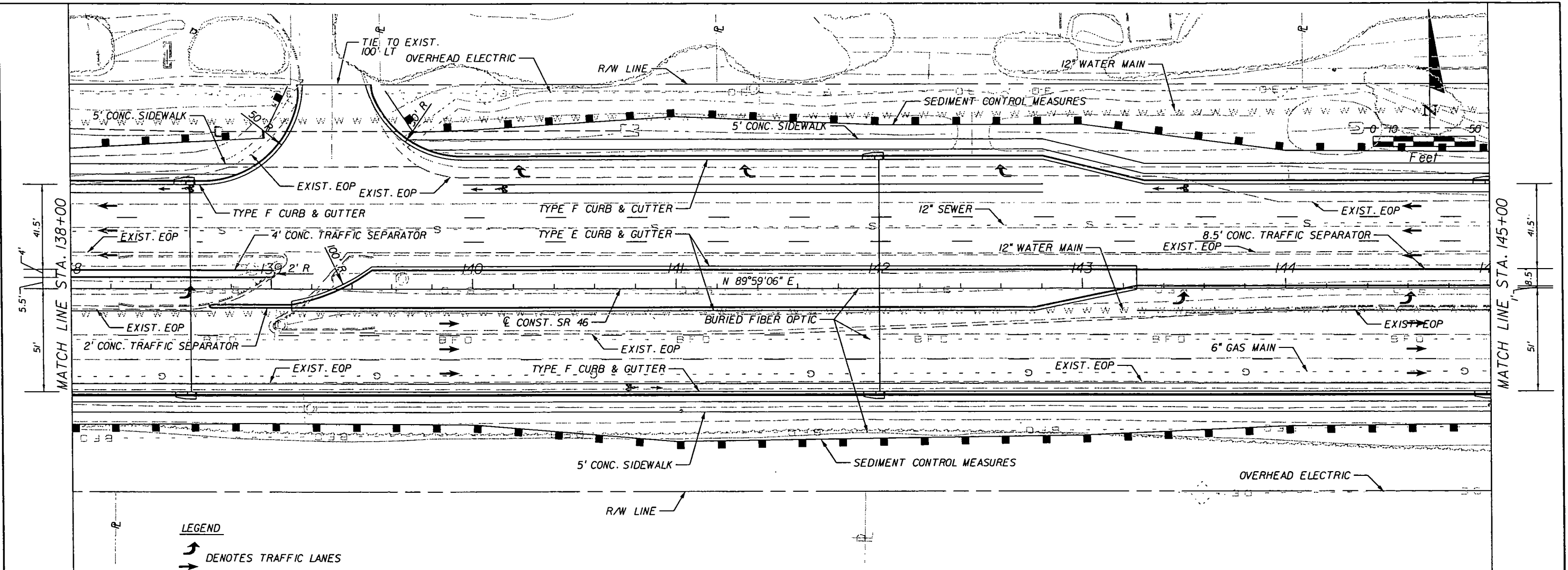
REVISIONS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						46	SEMINOLE	240200-3	17

Engineer of Record: TIMOTHY B. WALSH
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SUITE 505
ORLANDO, FL 32801-4322
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PLAN AND PROFILE

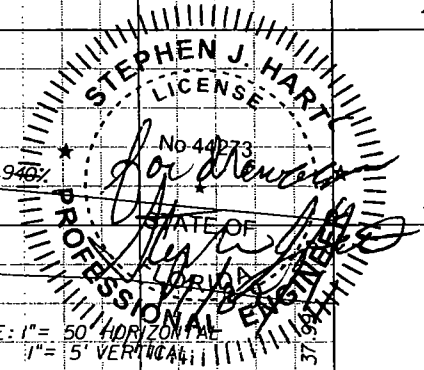
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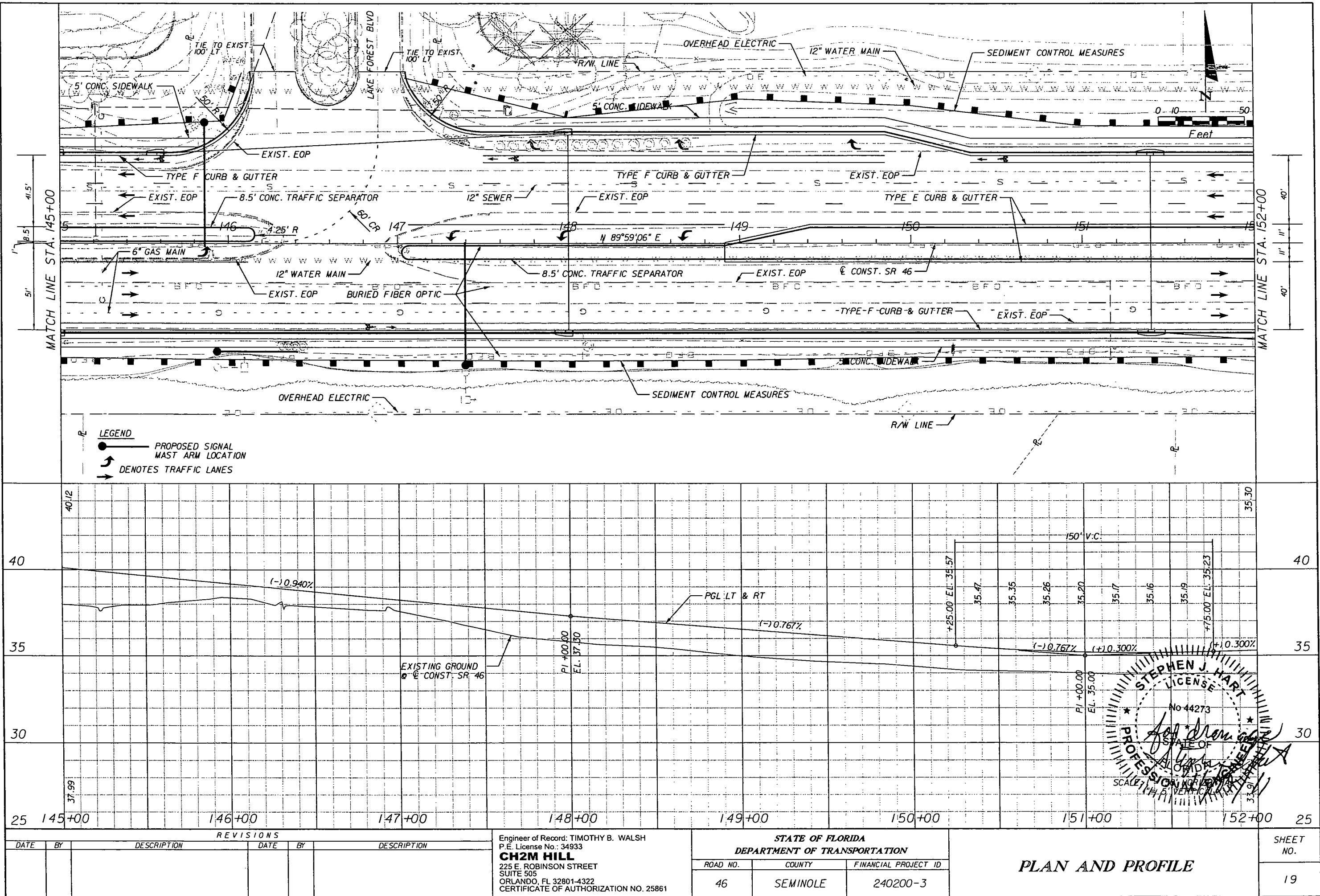
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						46	SEMINOLE	240200-3	18

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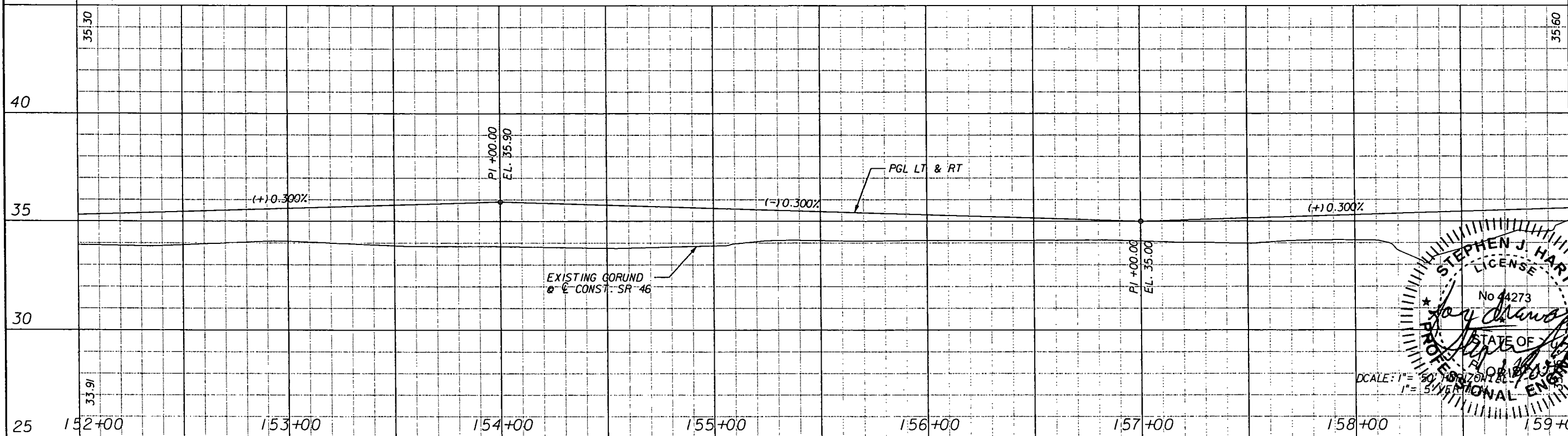
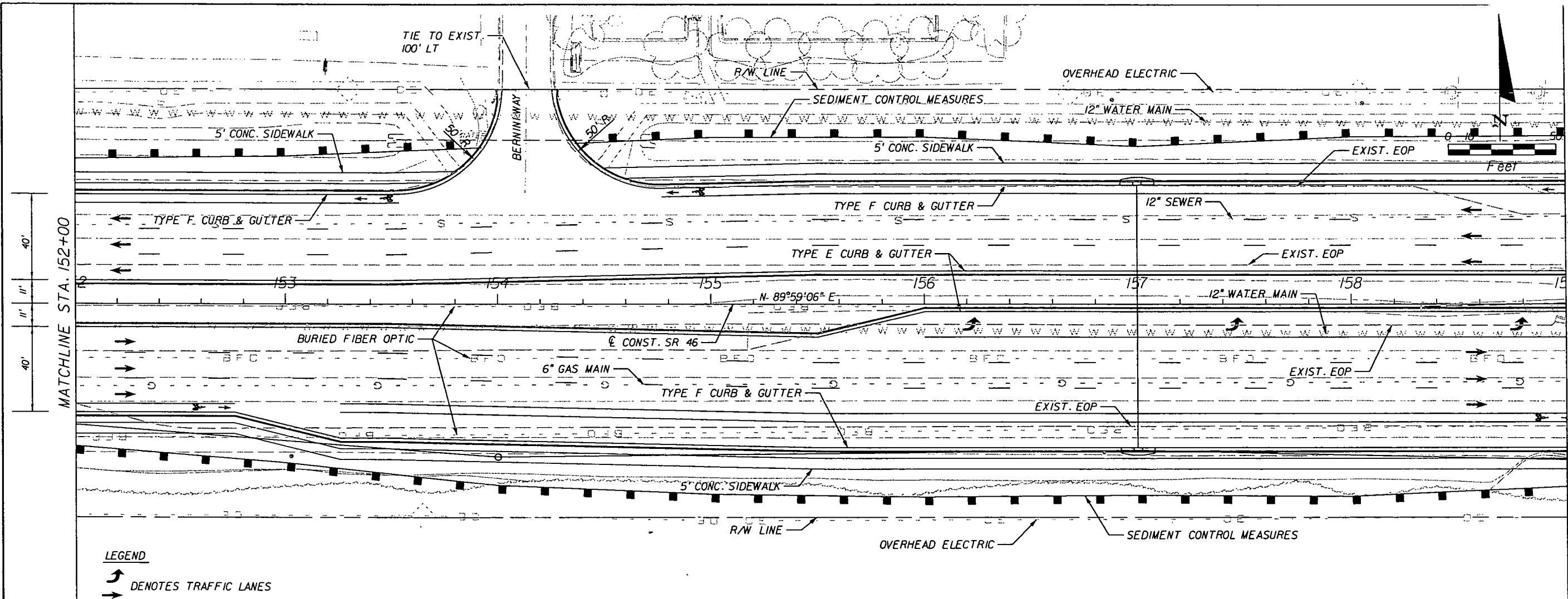
PLAN AND PROFILE



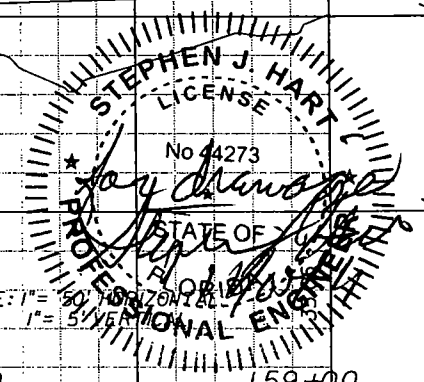
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



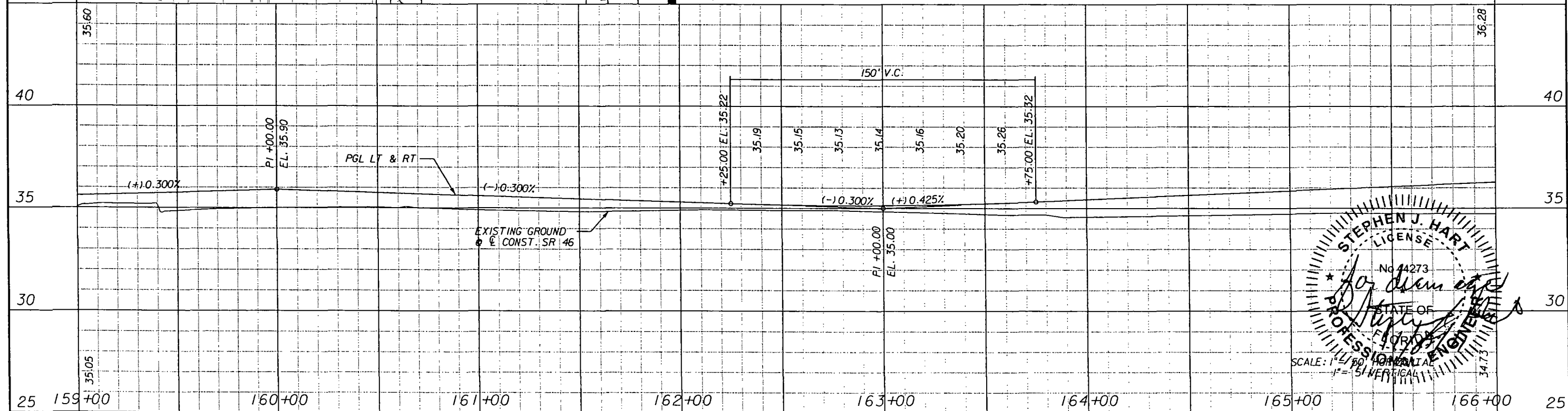
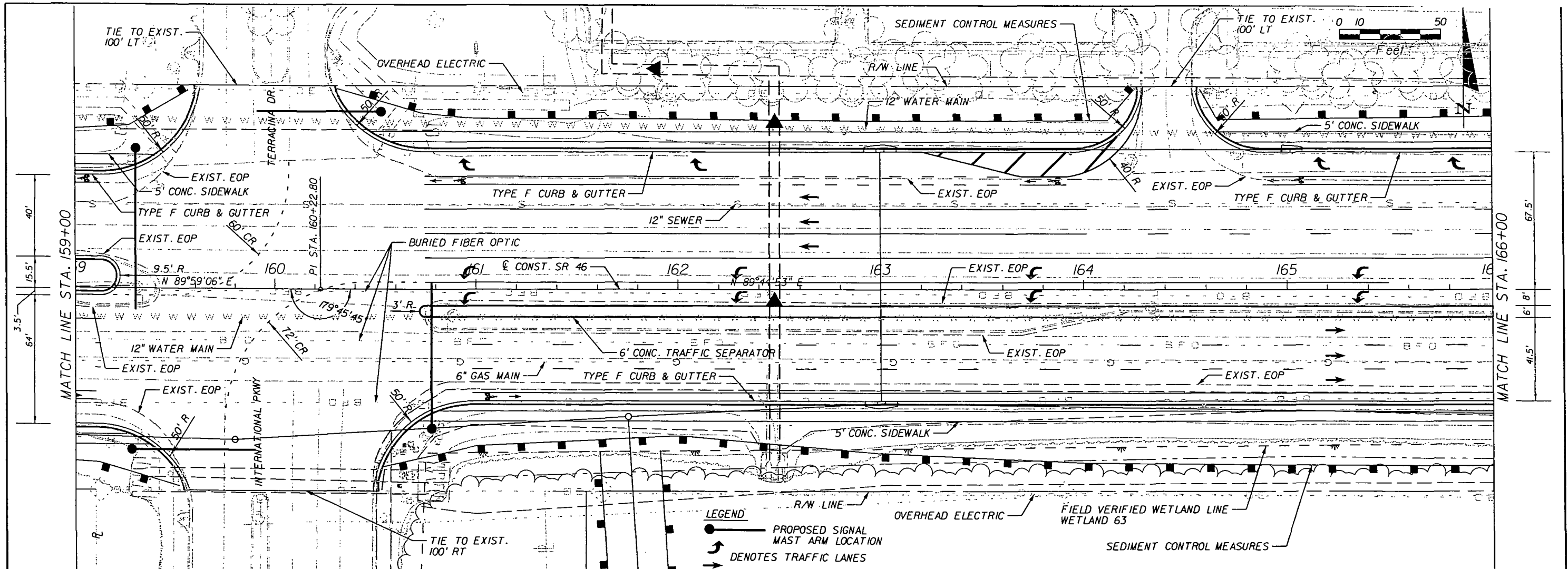
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



REVISIONS						Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN AND PROFILE
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							46	SEMINOLE	240200-3	



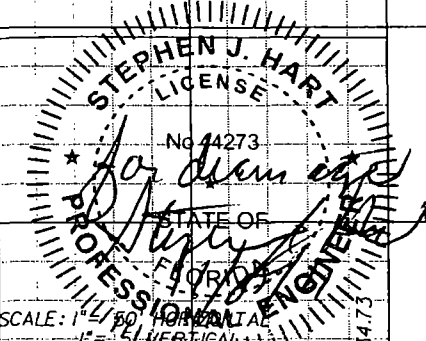
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



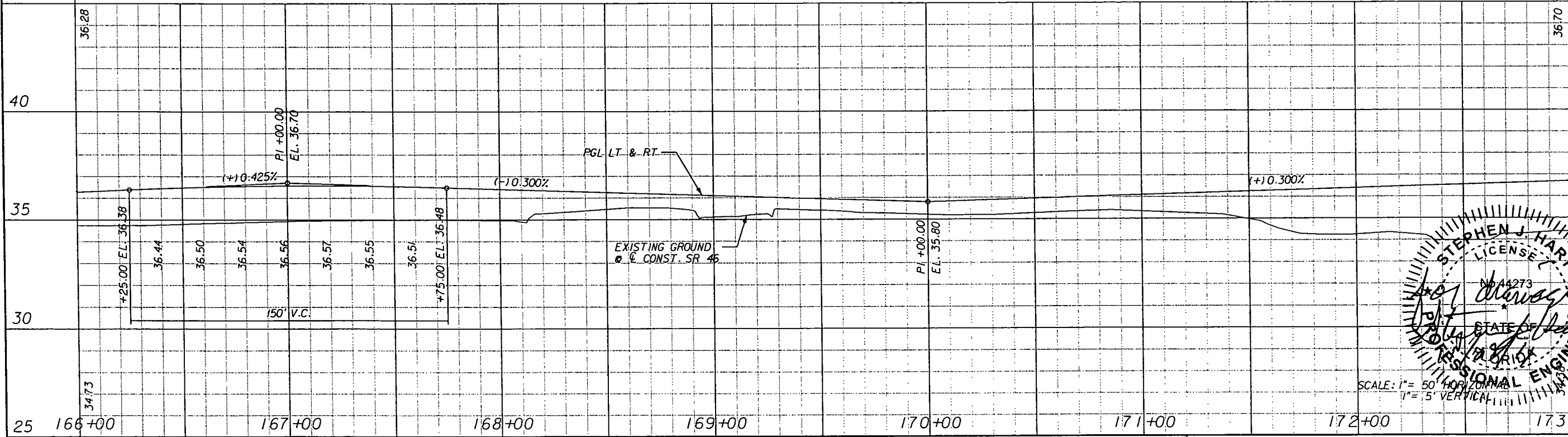
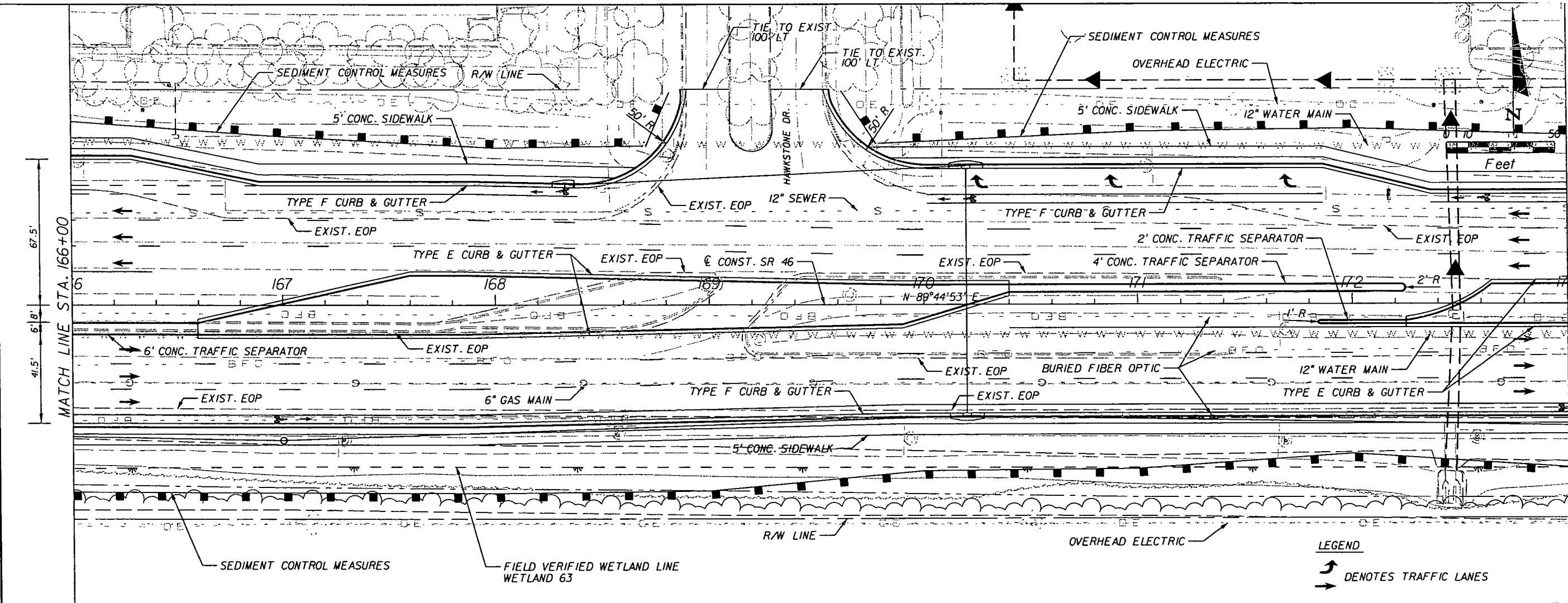
REVISIONS						Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN AND PROFILE	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		21
							46	SEMINOLE	240200-3		

Engineer of Record: TIMOTHY B. WALSH
 P.E. License No.: 34933
CH2M HILL
 225 E. ROBINSON STREET
 SUITE 505
 ORLANDO, FL 32801-4322
 CERTIFICATE OF AUTHORIZATION NO. 25861

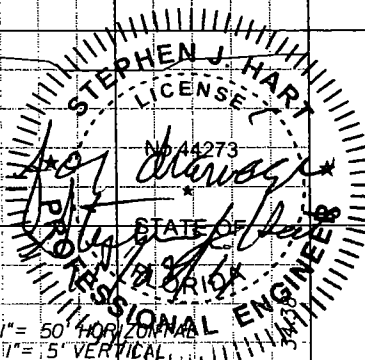
PLAN AND PROFILE



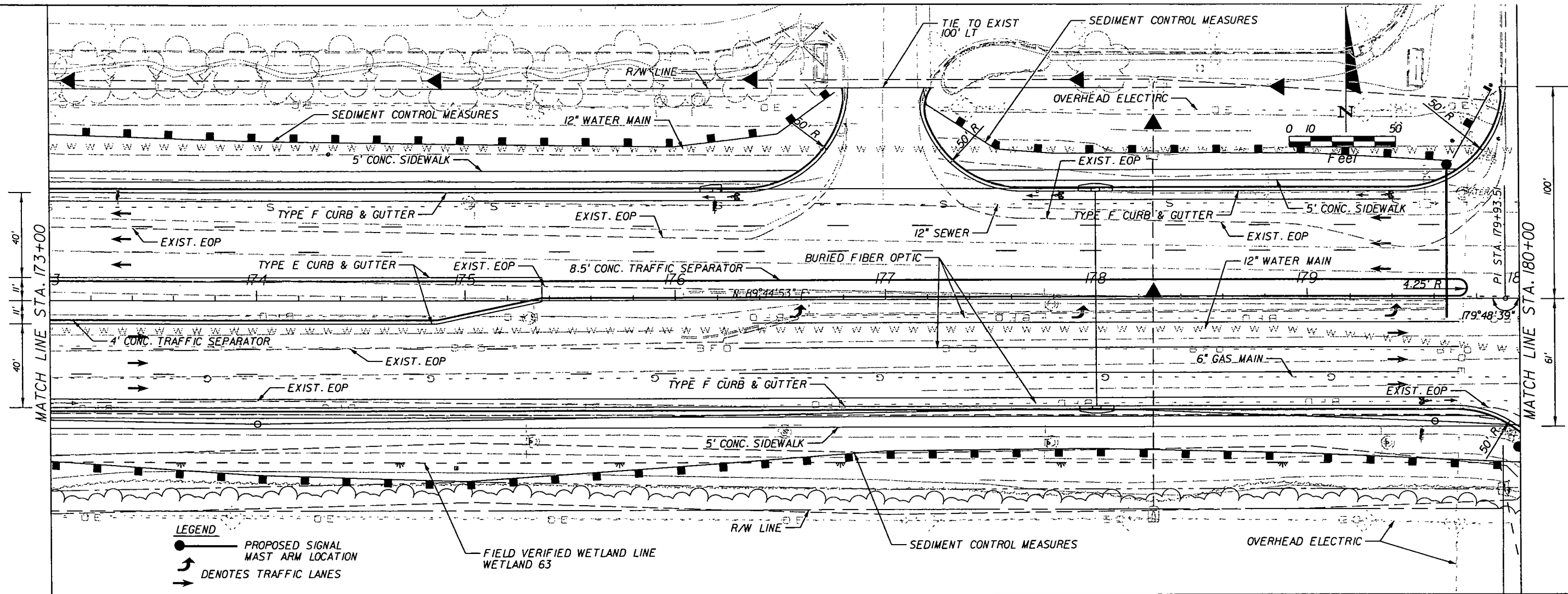
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



REVISIONS						Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		PLAN AND PROFILE	SHEET NO. 22
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					

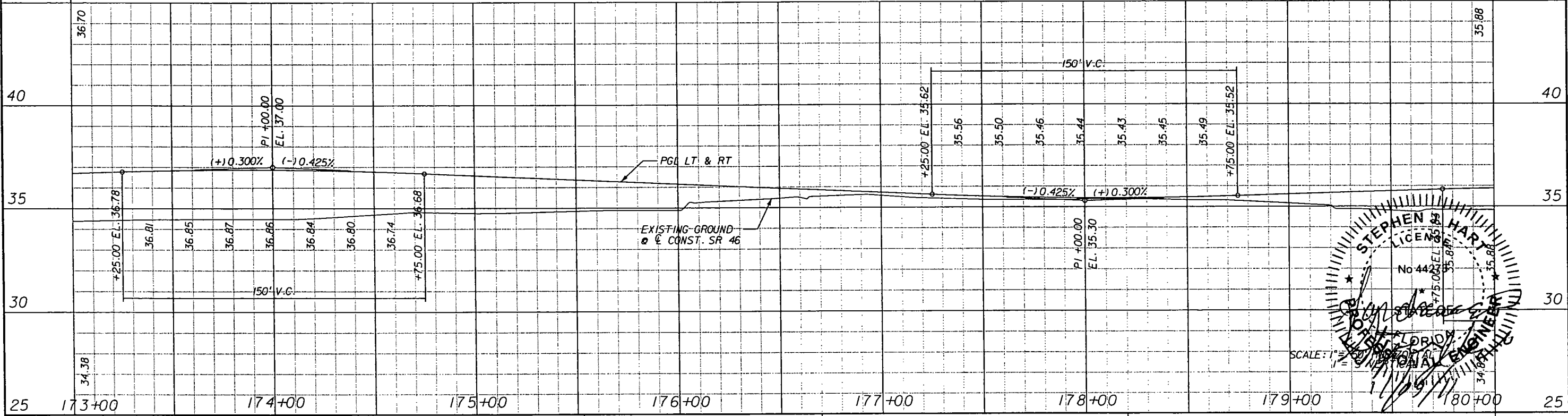


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LEGEND
 ● PROPOSED SIGNAL MAST ARM LOCATION
 → DENOTES TRAFFIC LANES

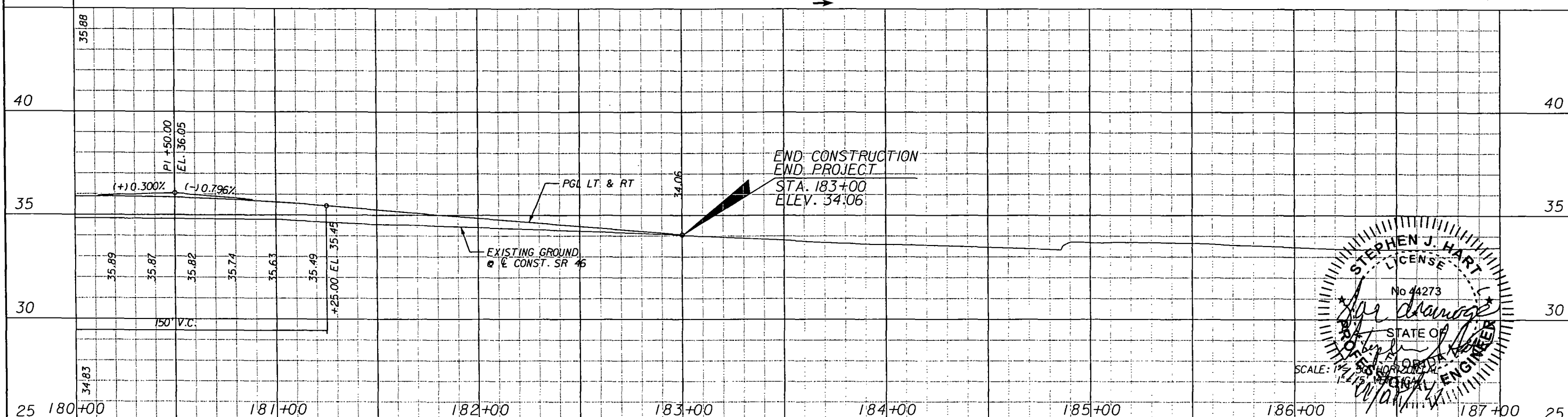
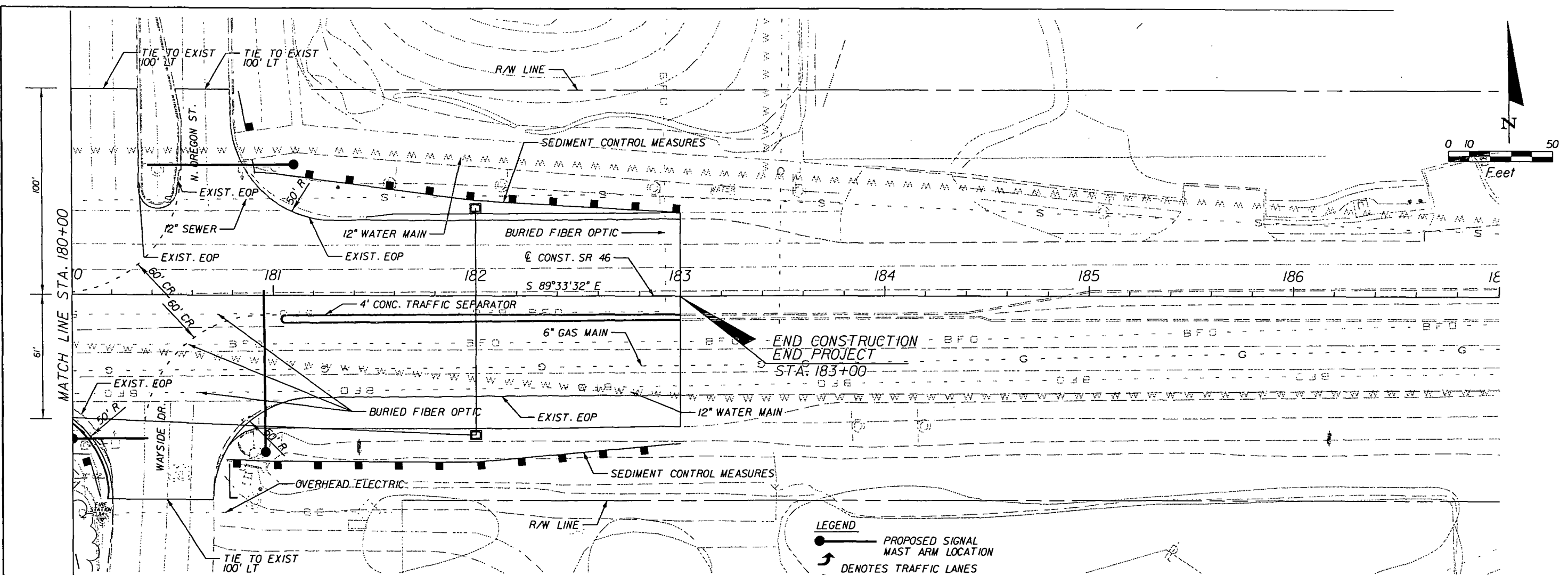
FIELD VERIFIED WETLAND LINE
 WETLAND 63



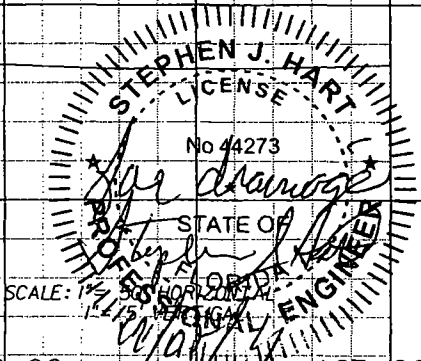
REVISIONS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN AND PROFILE	SHEET NO. 23
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						46	SEMINOLE	240200-3		

Engineer of Record: TIMOTHY B. WALSH
 P.E. License No.: 34933
CH2M HILL
 225 E. ROBINSON STREET
 SUITE 505
 ORLANDO, FL 32801-4322
 CERTIFICATE OF AUTHORIZATION NO. 25861

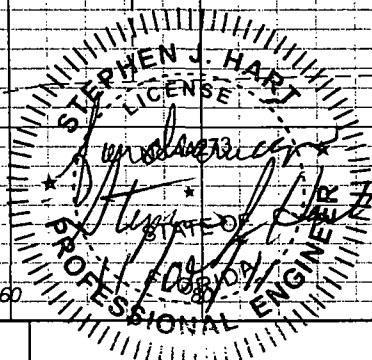
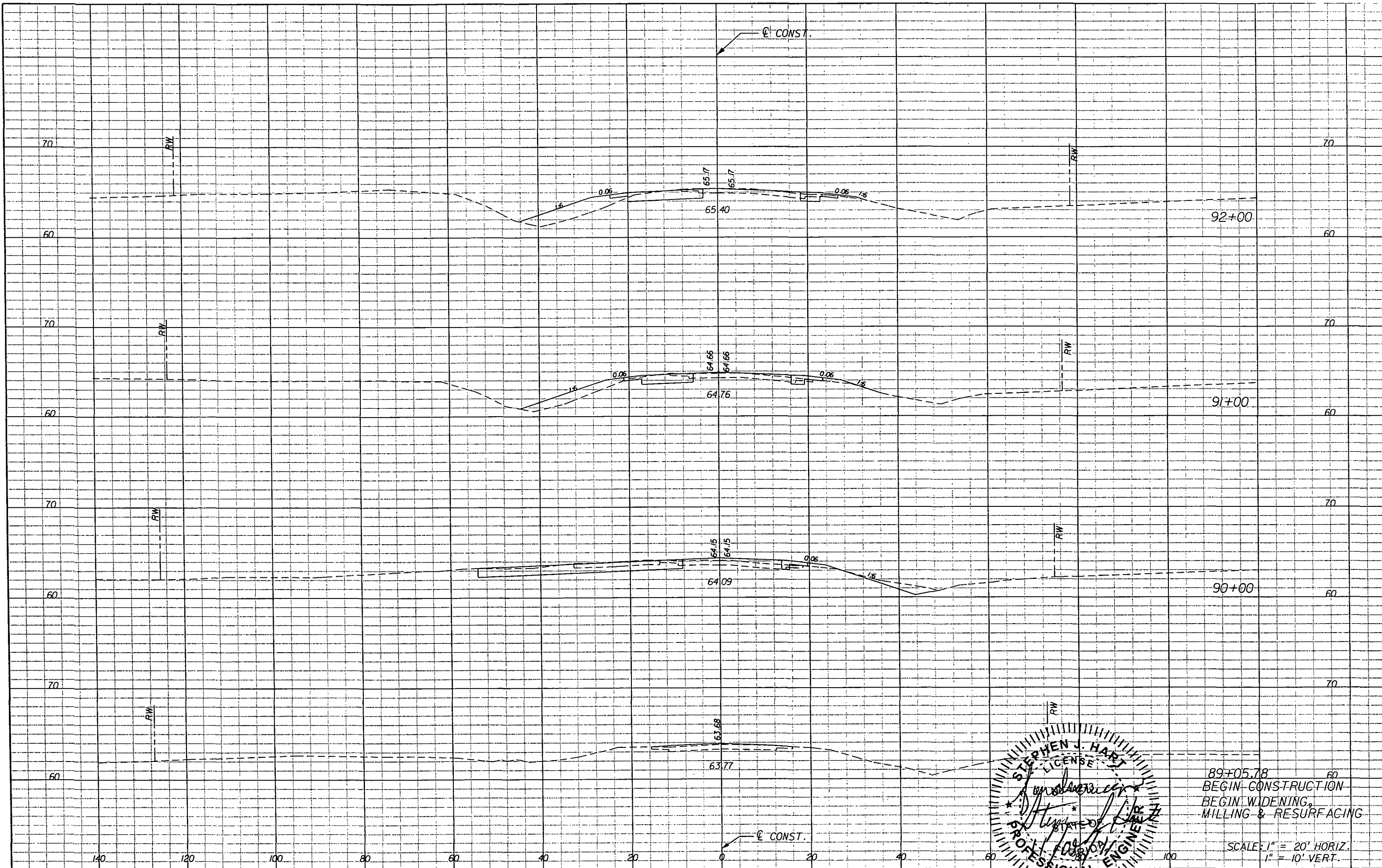
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



REVISIONS						Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN AND PROFILE	SHEET NO. 24
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID					
						46	SEMINOLE	240200-3					



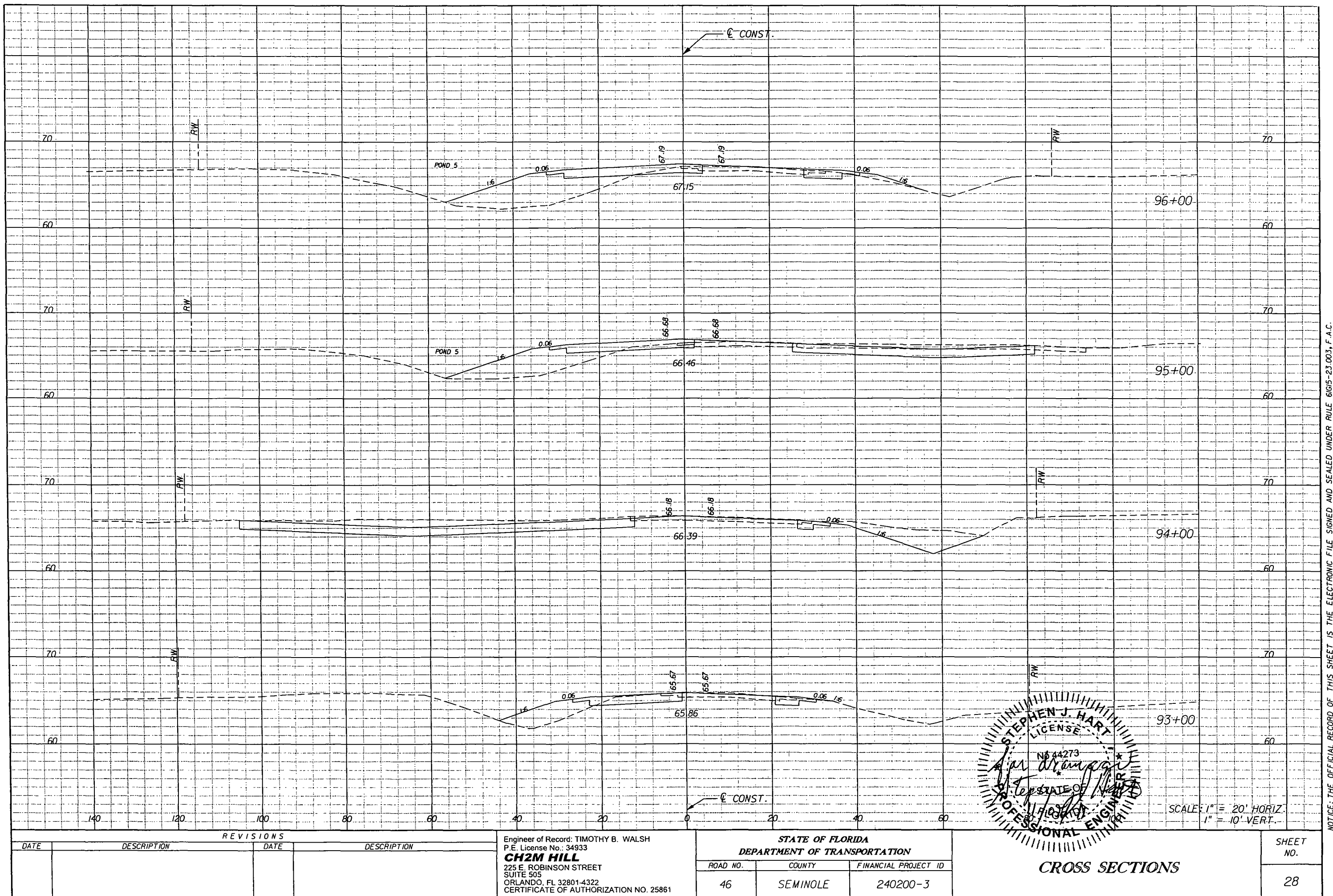
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G15-23.003, F.A.C.



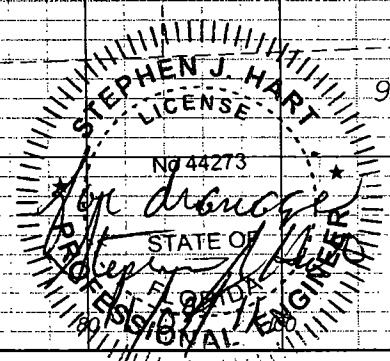
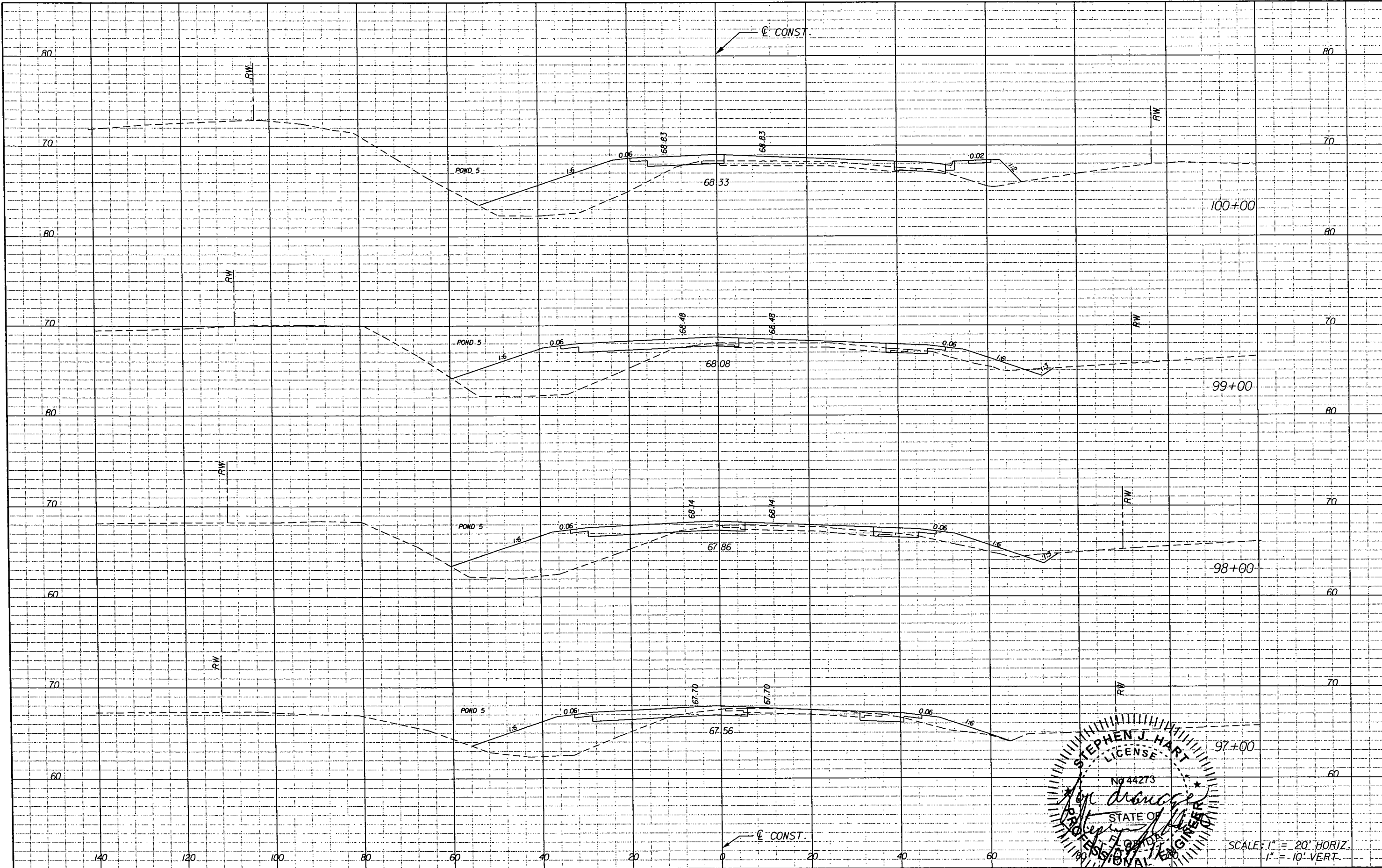
89+05.78
BEGIN CONSTRUCTION
BEGIN WIDENING,
MILLING & RESURFACING

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

REVISIONS				Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 605 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO. 27
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	SEMINOLE	240200-3		



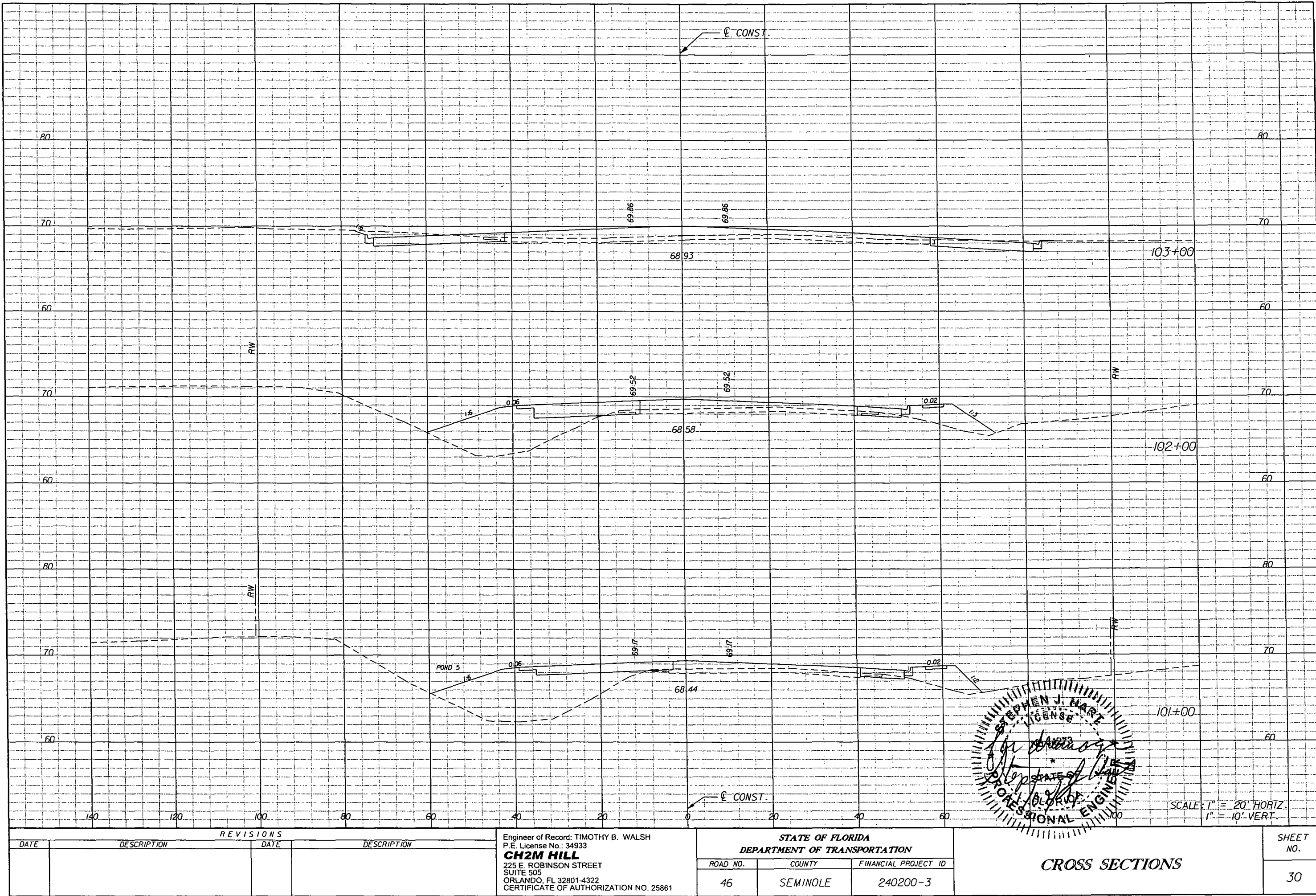
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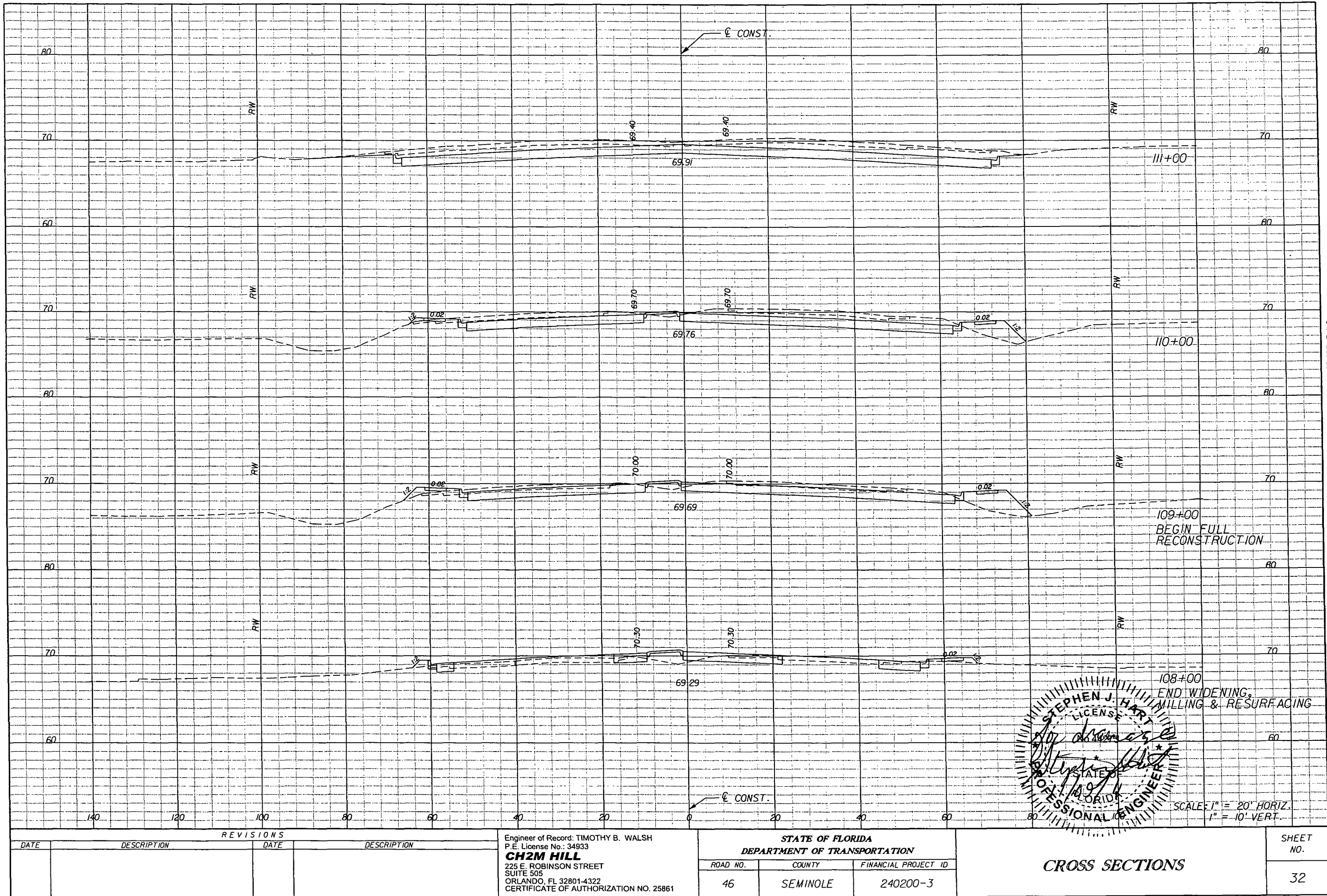
SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

REVISIONS				Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO. 29
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	SEMINOLE	240200-3		

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NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6015-23.003, F.A.C.



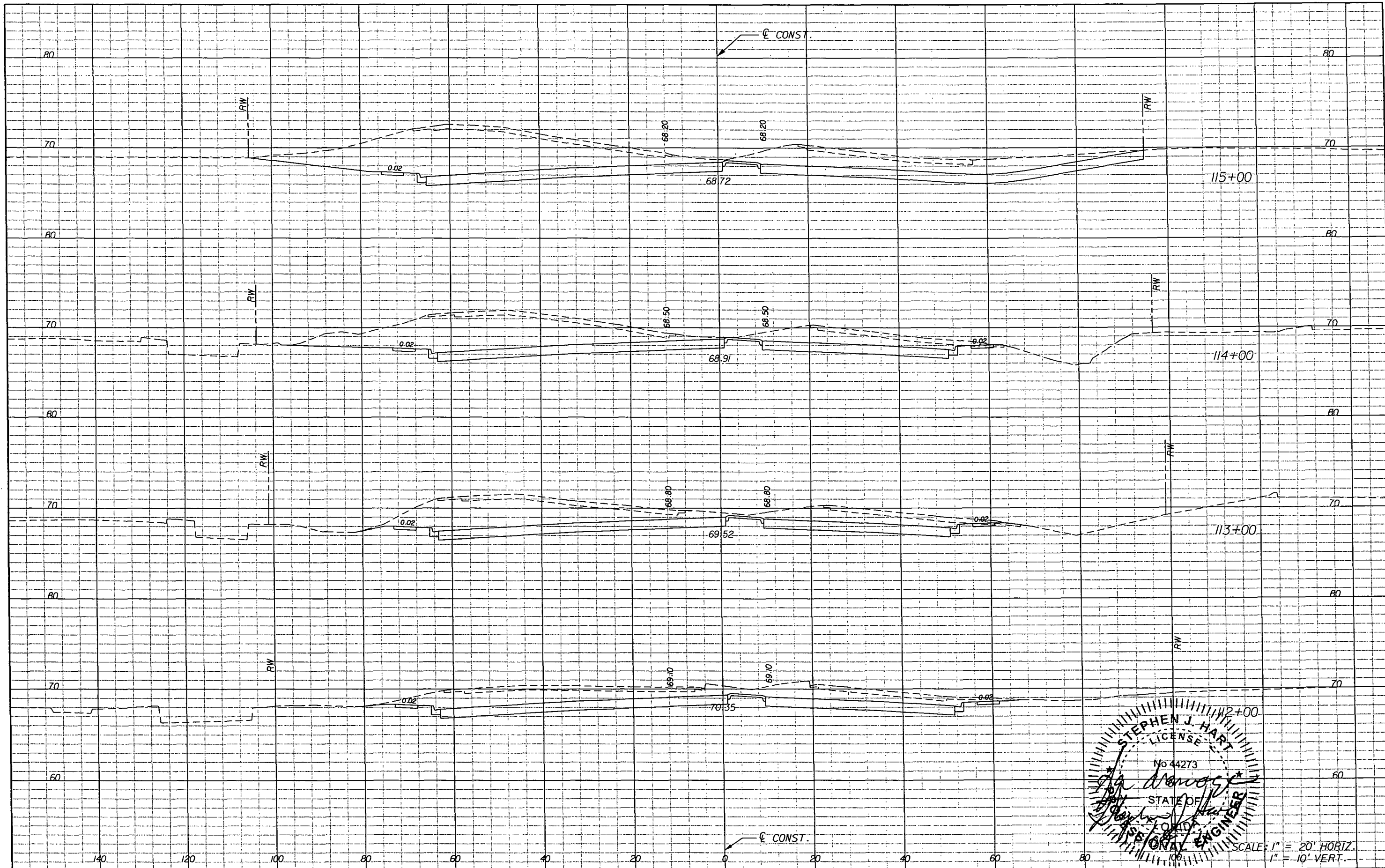
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineer of Record: TIMOTHY B. WALSH
P.E. License No.: 34933
CH2M HILL
225 E. ROBINSON STREET
SUITE 505
ORLANDO, FL 32801-4322
CERTIFICATE OF AUTHORIZATION NO. 25861

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	SEMINOLE	240200-3

CROSS SECTIONS

SHEET
NO.
32

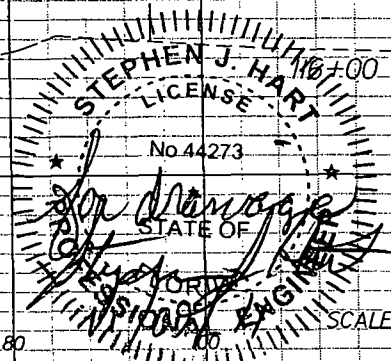
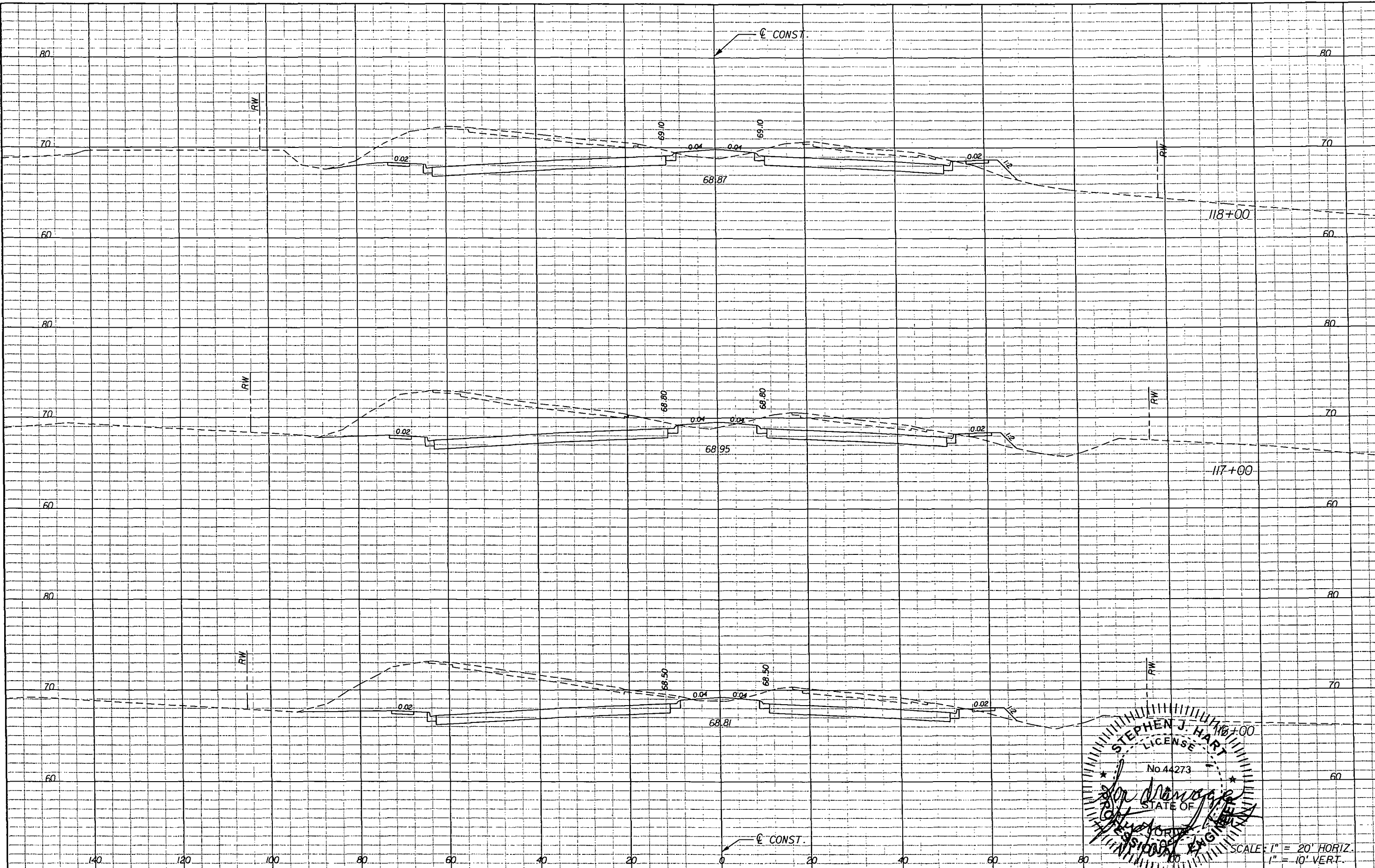


STEPHEN J. HART
LICENSE
No 44273
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

REVISIONS				Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO. 33
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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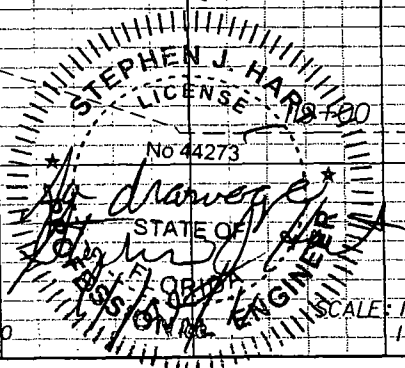
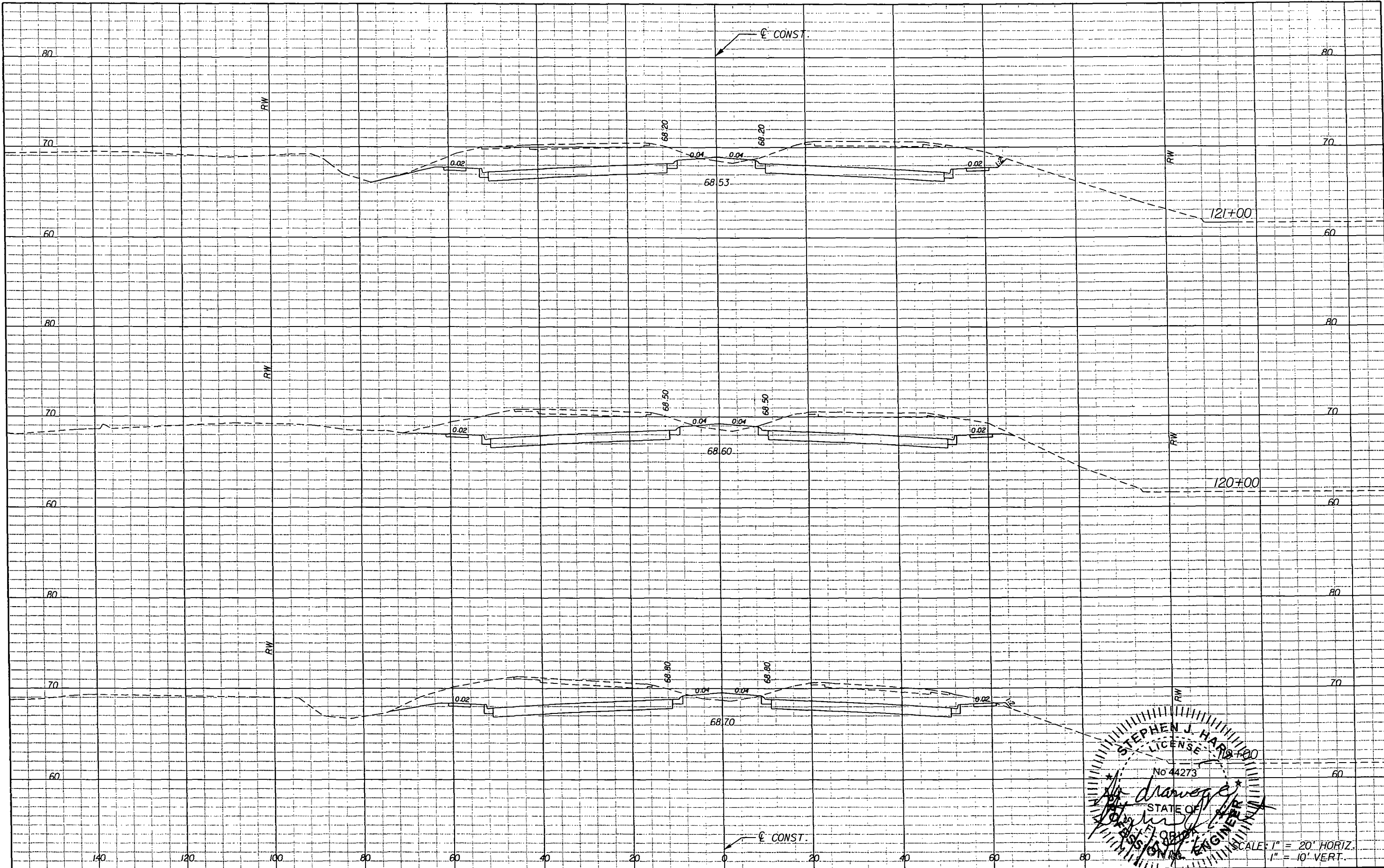
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SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

REVISIONS				Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO. 34
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	SEMINOLE	240200-3		

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SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

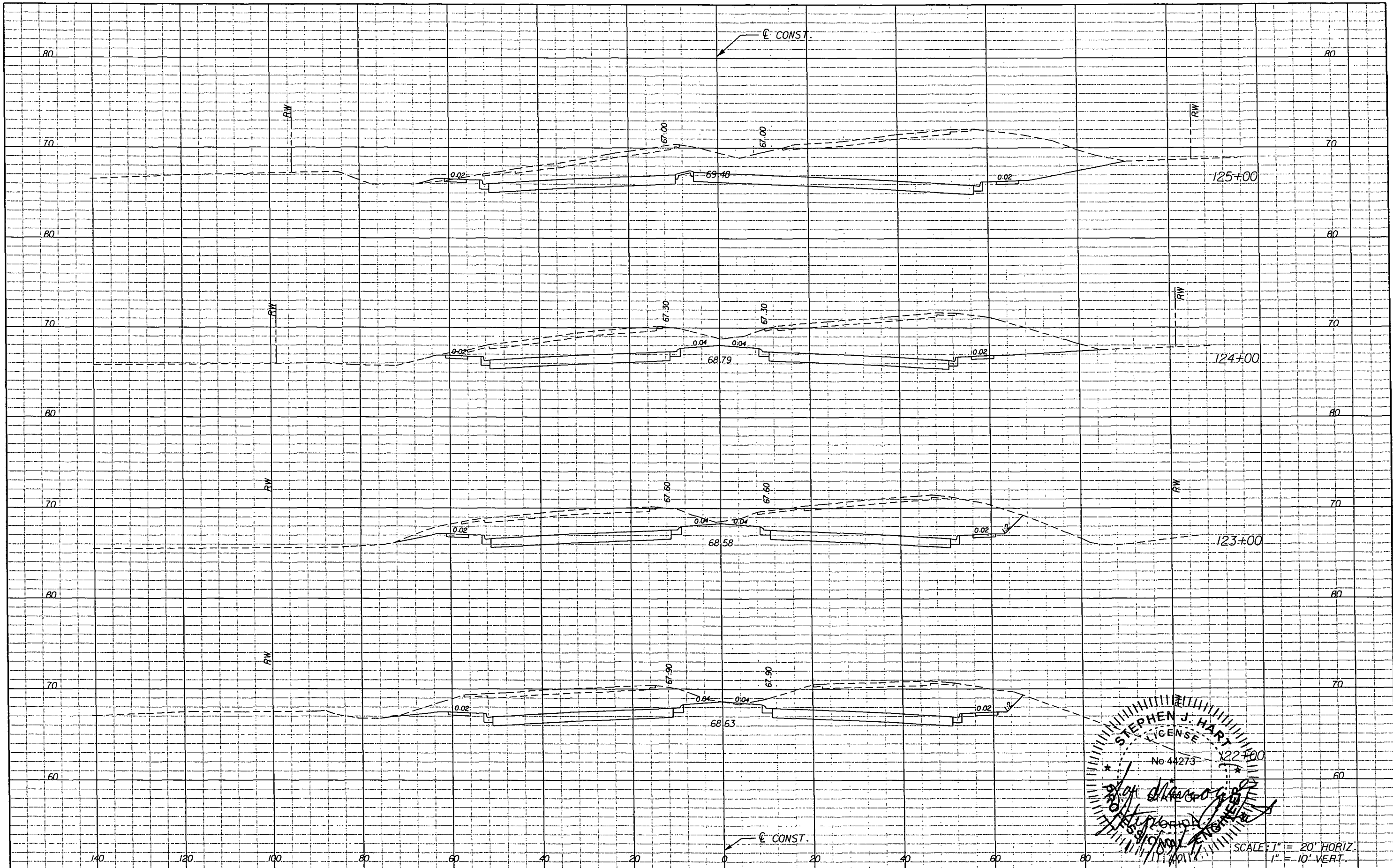
Engineer of Record: TIMOTHY B. WALSH
P.E. License No.: 34933
CH2M HILL
225 E. ROBINSON STREET
SUITE 505
ORLANDO, FL 32801-4322
CERTIFICATE OF AUTHORIZATION NO. 25861

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	SEMINOLE	240200-3

CROSS SECTIONS

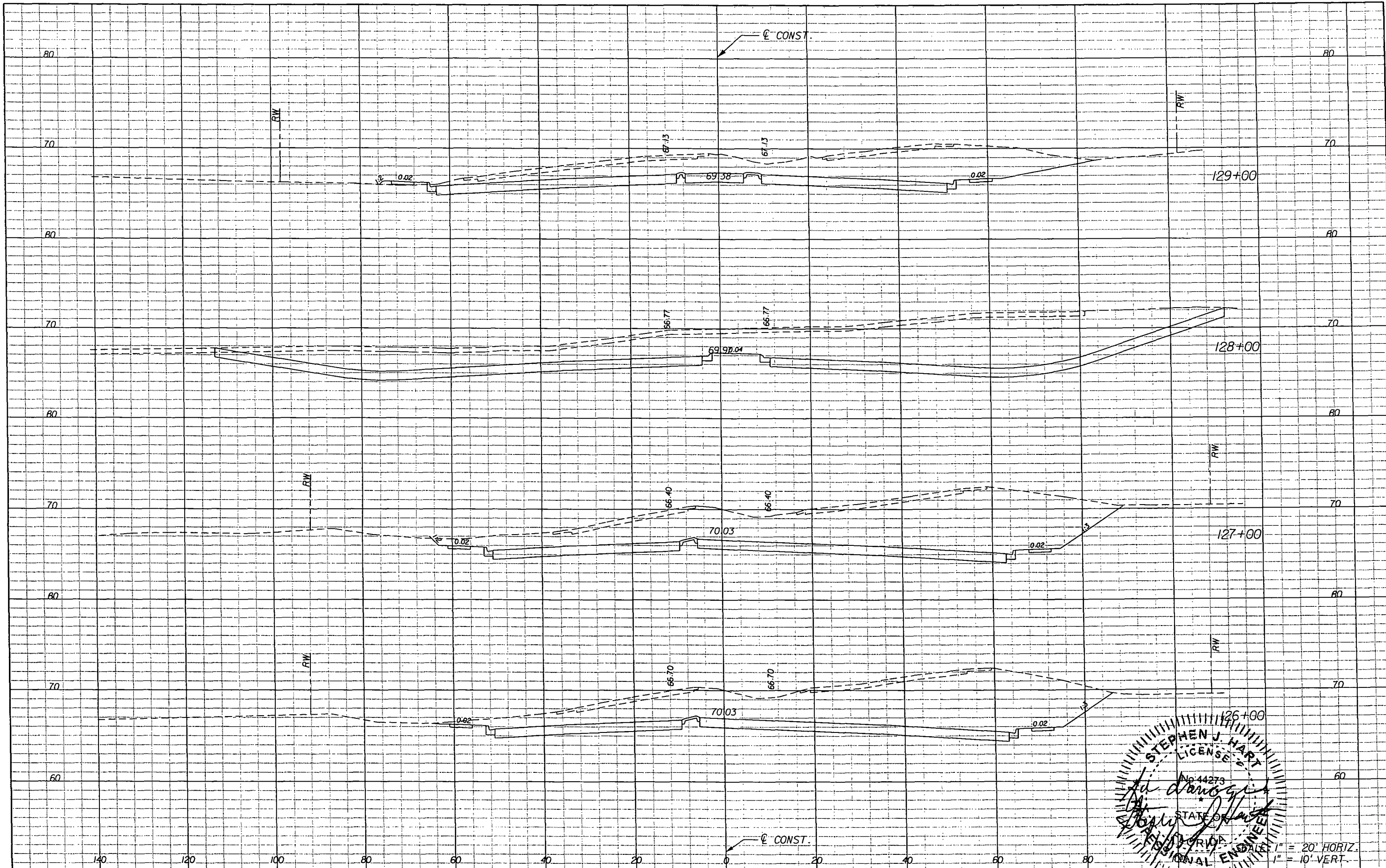
SHEET
NO.
35

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STEPHEN J. HART
LICENSE
No 44273
STATE OF FLORIDA
11/8/2011
SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

REVISIONS				Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO. 36
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	SEMINOLE	240200-3		



STEPHEN J. HART
LICENSE
No. 44273
STATE OF FLORIDA
REGISTERED PROFESSIONAL ENGINEER
1" = 20' HORIZ.
1" = 10' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

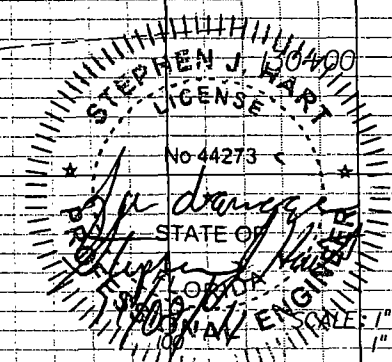
Engineer of Record: TIMOTHY B. WALSH
P.E. License No.: 34933
CH2M HILL
225 E. ROBINSON STREET
SUITE 505
ORLANDO, FL 32801-4322
CERTIFICATE OF AUTHORIZATION NO. 25861

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	SEMINOLE	240200-3

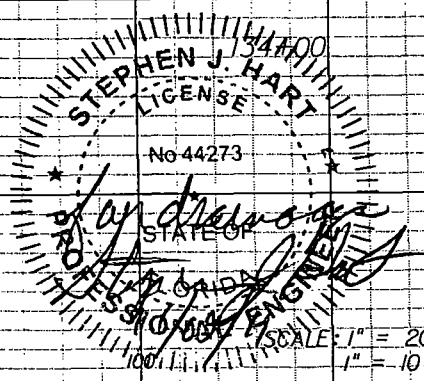
CROSS SECTIONS

SHEET NO.
37

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REVISIONS		DESCRIPTION		Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO. 38
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	SEMINOLE	240200-3		



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineer of Record: TIMOTHY B. WALSH
P.E. License No.: 34933
CH2M HILL
225 E. ROBINSON STREET
SUITE 505
ORLANDO, FL 32801-4322
CERTIFICATE OF AUTHORIZATION NO. 25861

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	SEMINOLE	240200-3

CROSS SECTIONS

SHEET
NO.
39

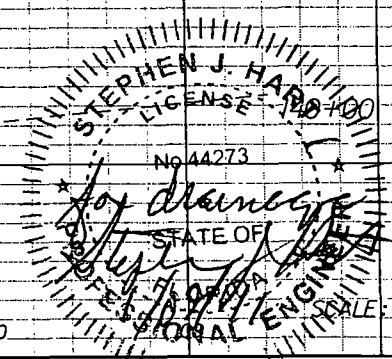
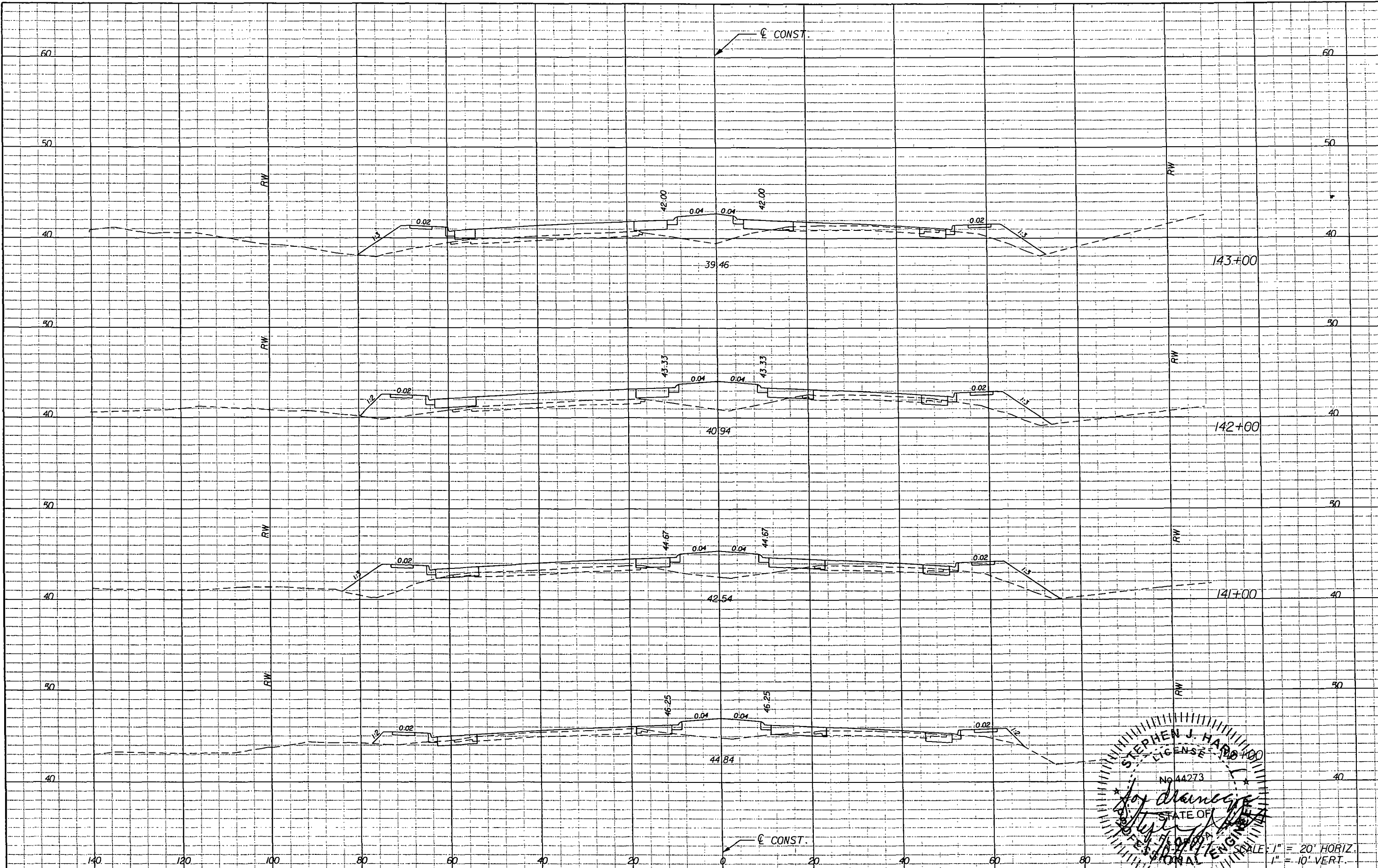
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STEPHEN J. HART
LICENSE
No 44273
STATE OF
FLORIDA
ENGINEER
SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

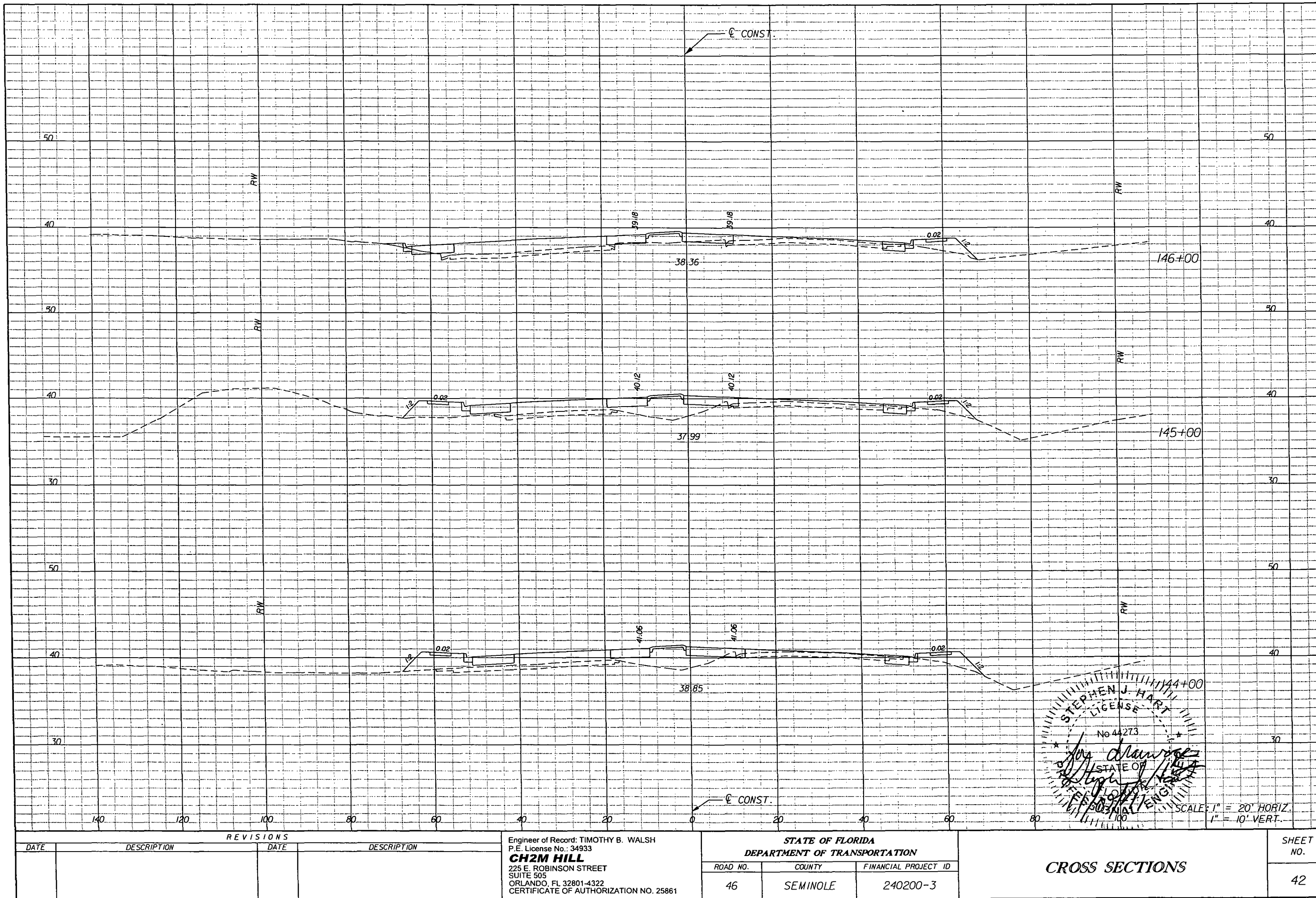
REVISIONS		REVISIONS		Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO. 40
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	SEMINOLE	240200-3		

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REVISIONS		REVISIONS		Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO. 41
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	SEMINOLE	240200-3		

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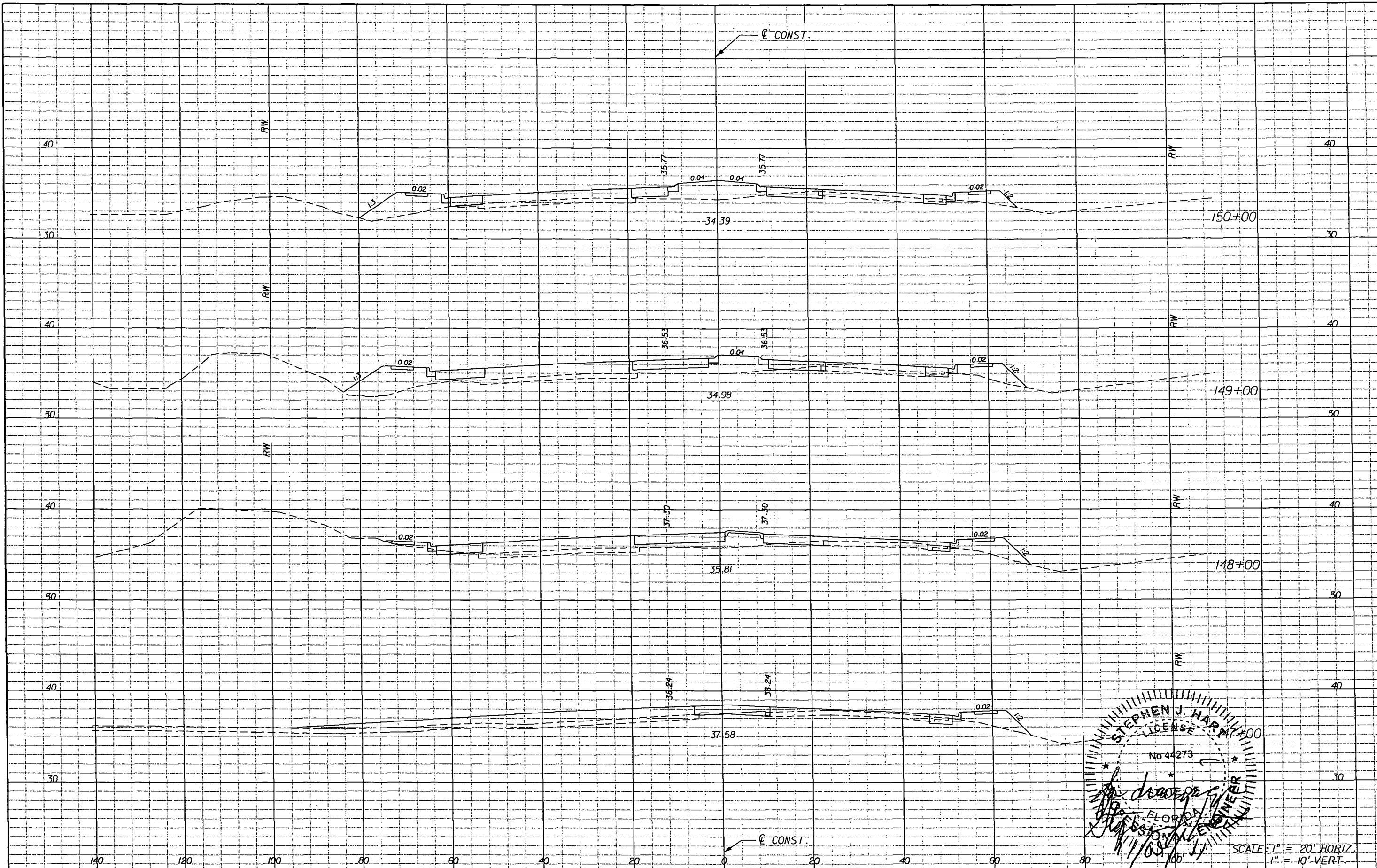
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineer of Record: TIMOTHY B. WALSH
P.E. License No.: 34933
CH2M HILL
225 E. ROBINSON STREET
SUITE 505
ORLANDO, FL 32801-4322
CERTIFICATE OF AUTHORIZATION NO. 25861

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	SEMINOLE	240200-3

CROSS SECTIONS

SHEET NO.
42

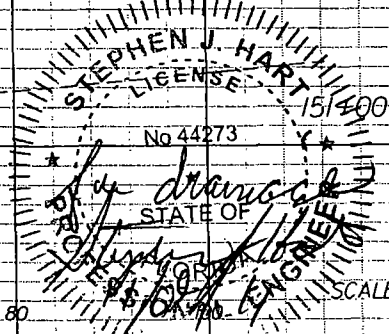


STEPHEN J. HARVEY
LICENSE
No 44273
FLORIDA
ENGINEER
11/8/2011

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

REVISIONS				Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO. 43
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	SEMINOLE	240200-3		

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SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

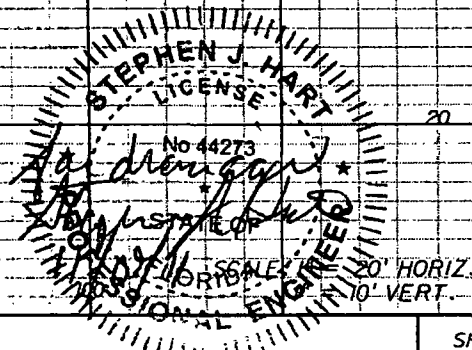
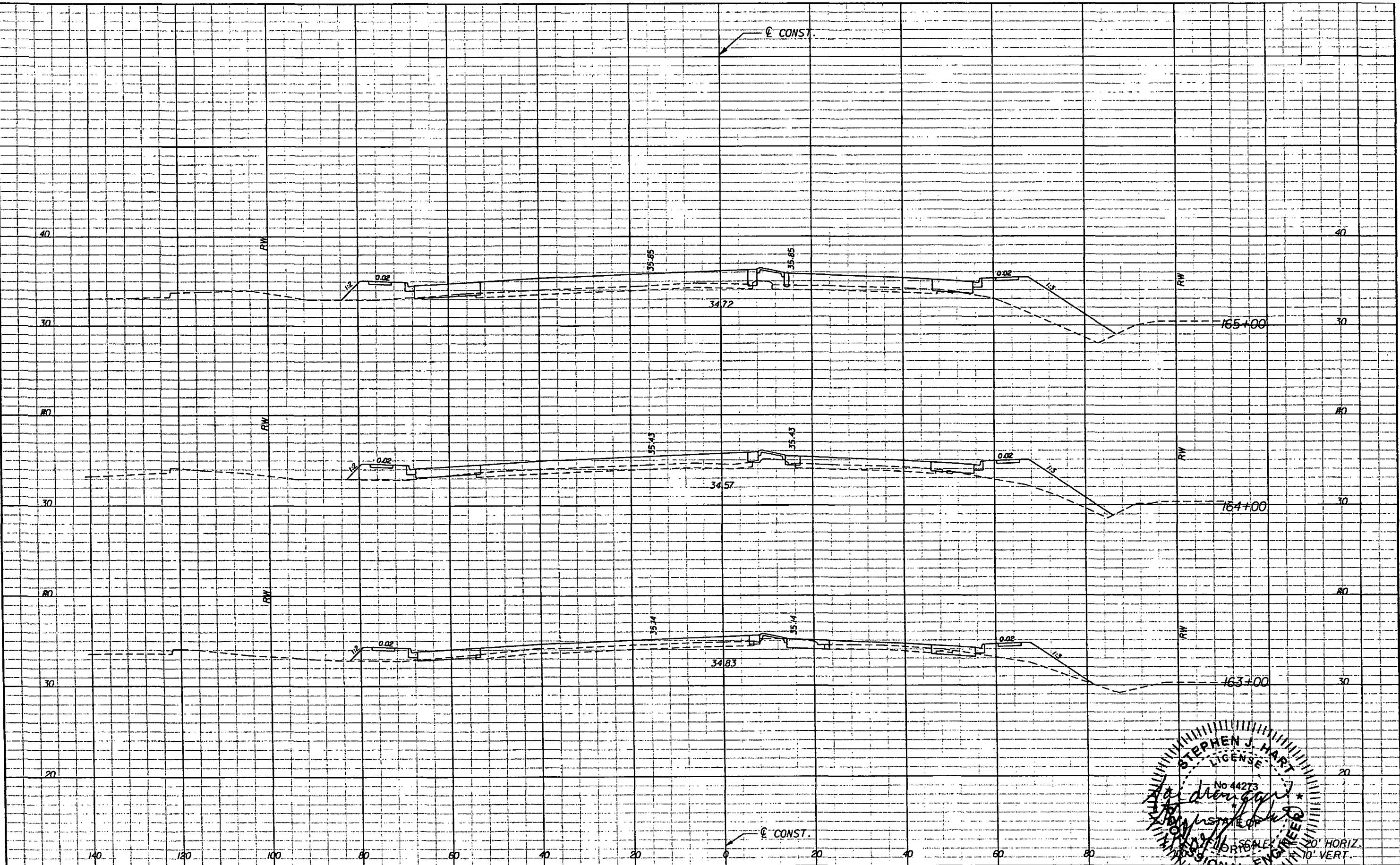
REVISIONS				Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO. 44
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	SEMINOLE	240200-3		

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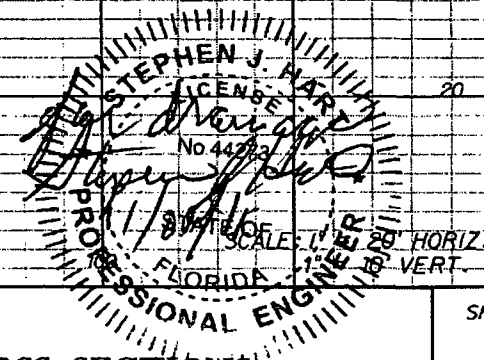
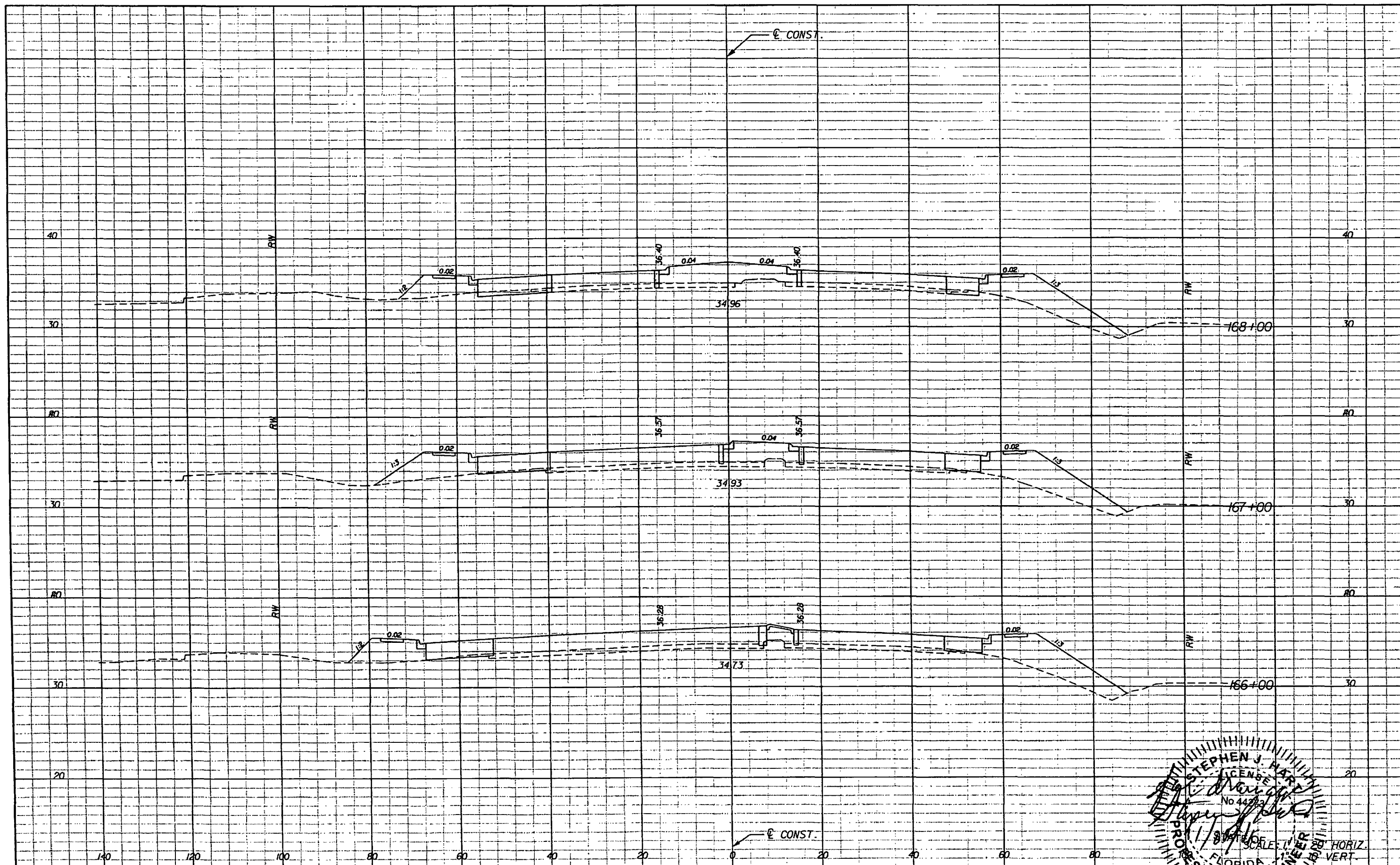
Professional Engineer
STEPHEN J. HART
No. 44278
FLORIDA
1995

REVISIONS				Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			 CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		45
					46	SEMINOLE	240200-3		



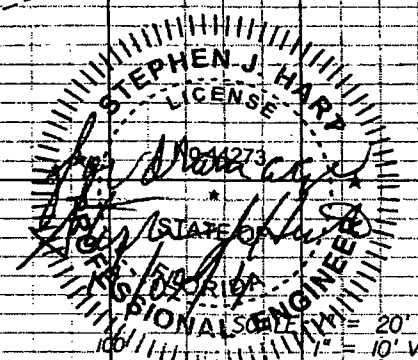
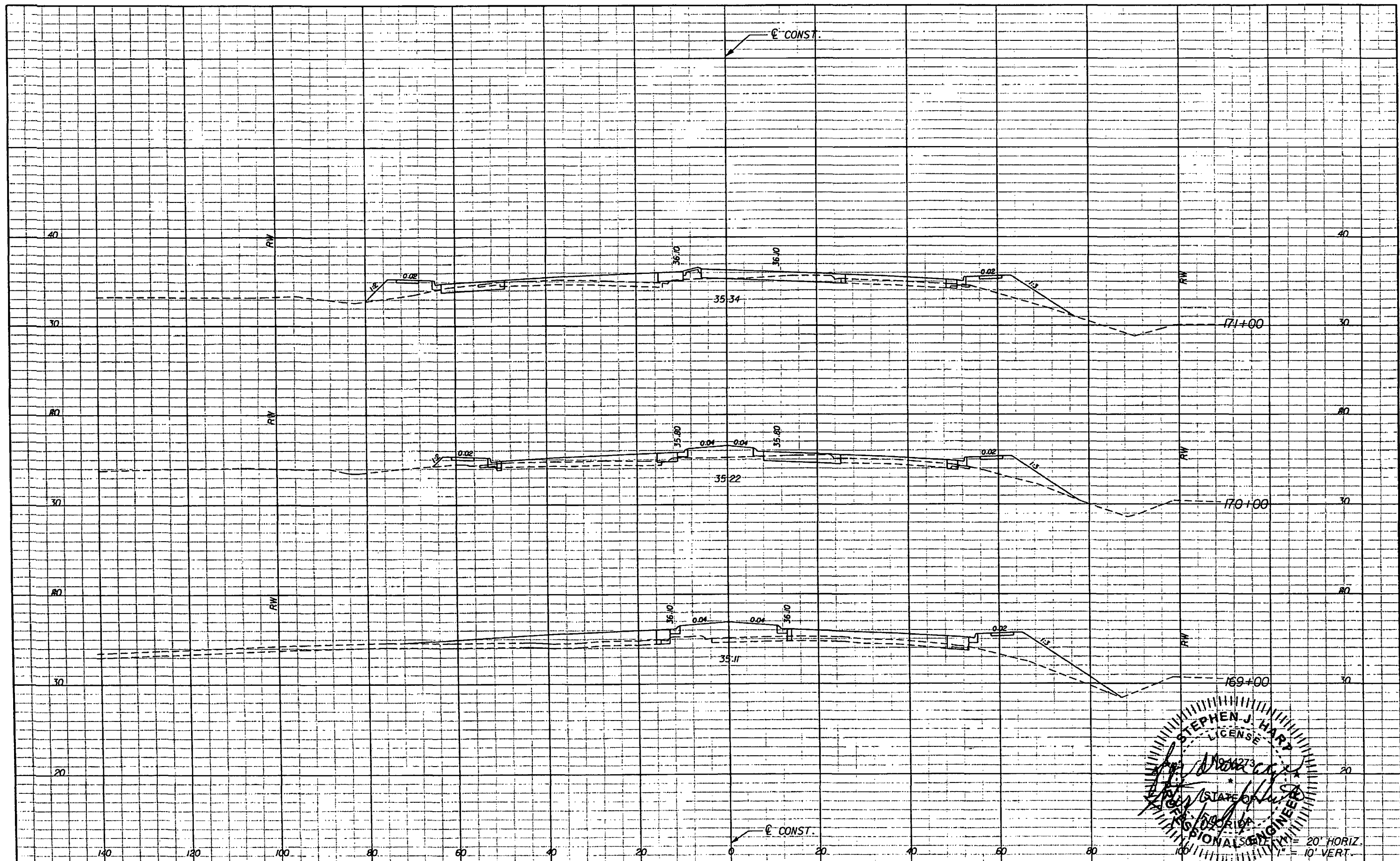
REVISIONS				Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO. 47
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	SEMINOLE	240200-3		

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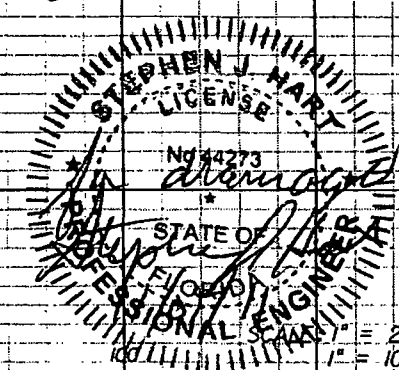
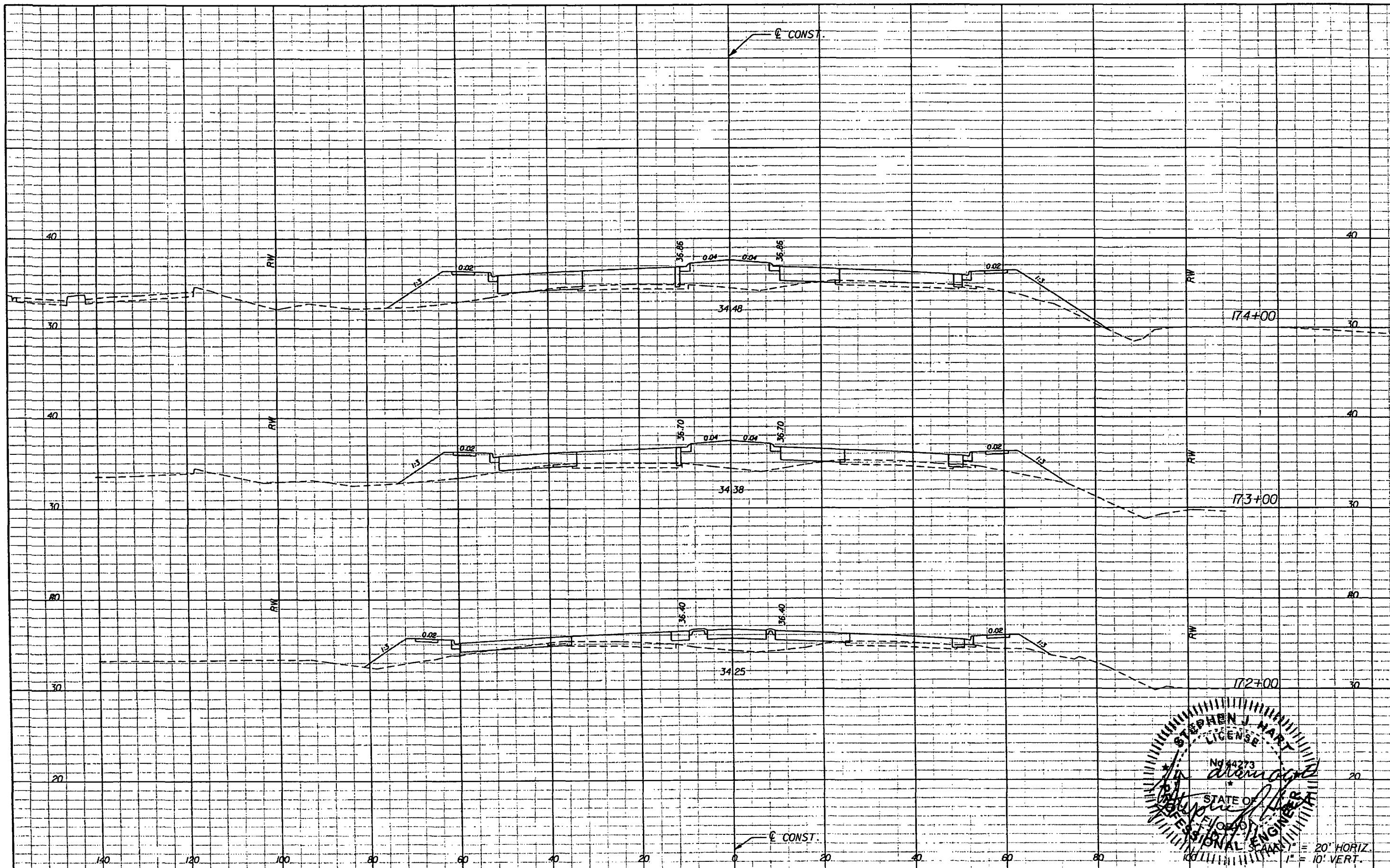


CROSS SECTIONS

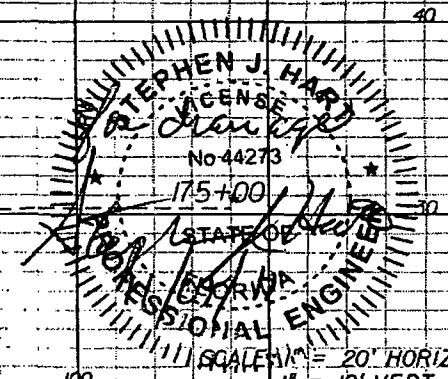
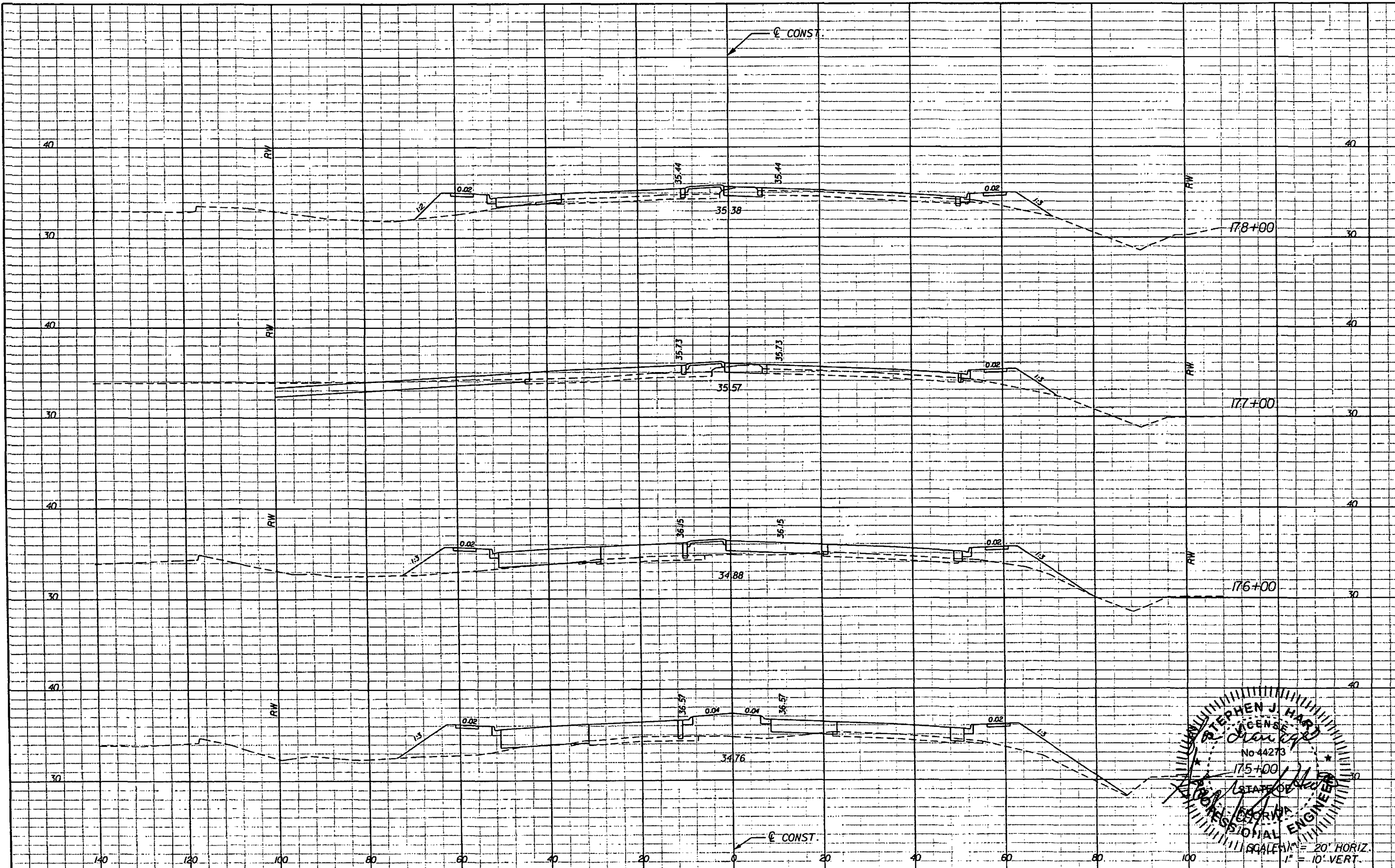
REVISIONS		DESCRIPTION		Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO. 48
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	SEMINOLE	240200-3		



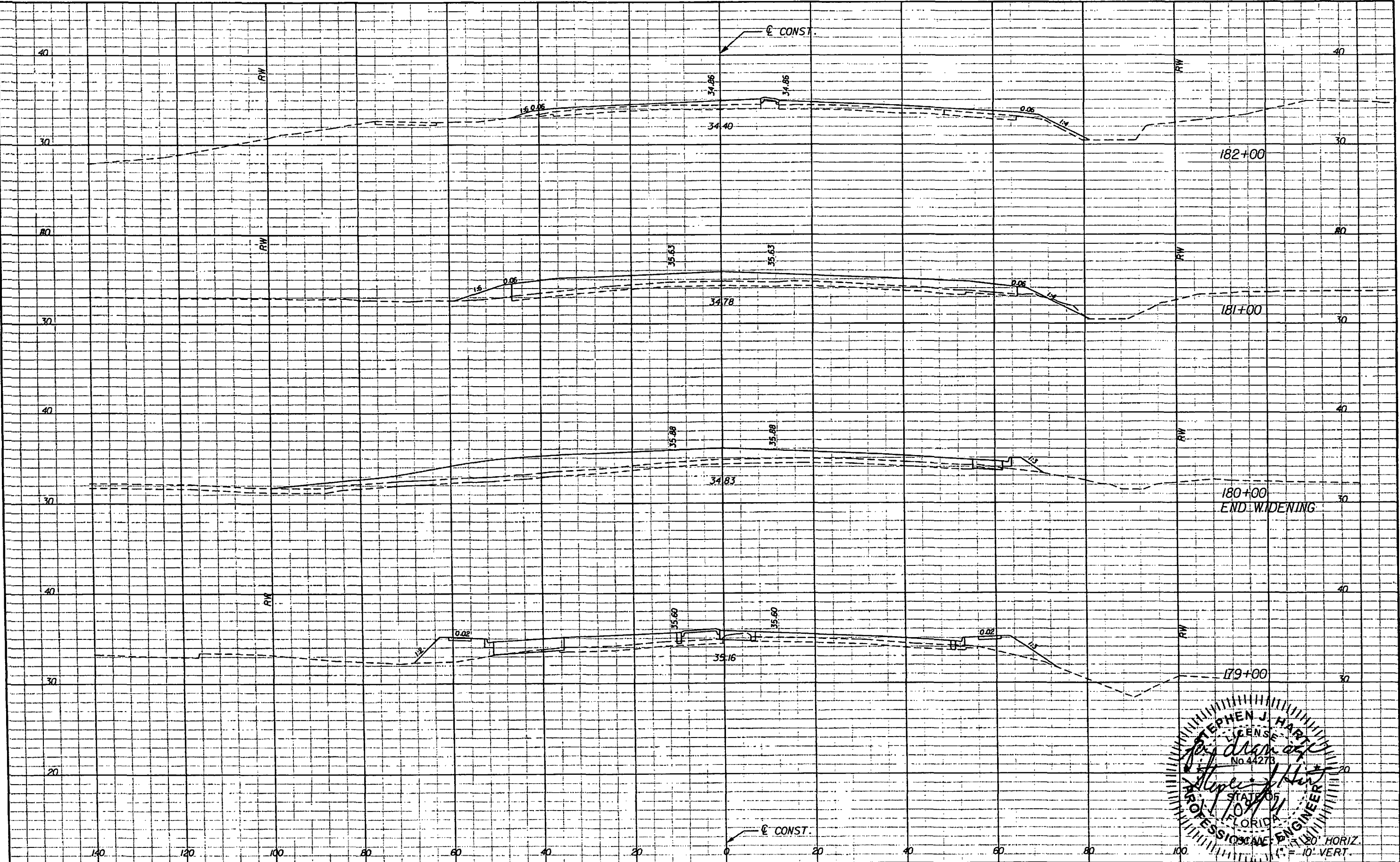
REVISIONS				Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO. 49
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	SEMINOLE	240200-3		



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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	SEMINOLE	240200-3		



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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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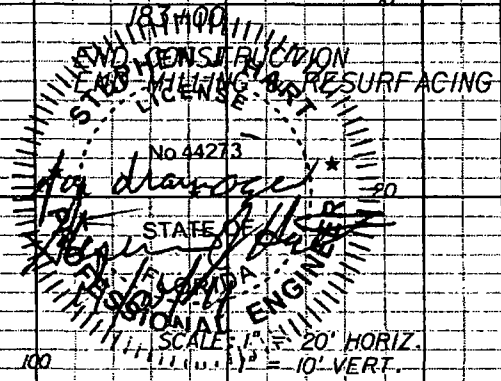
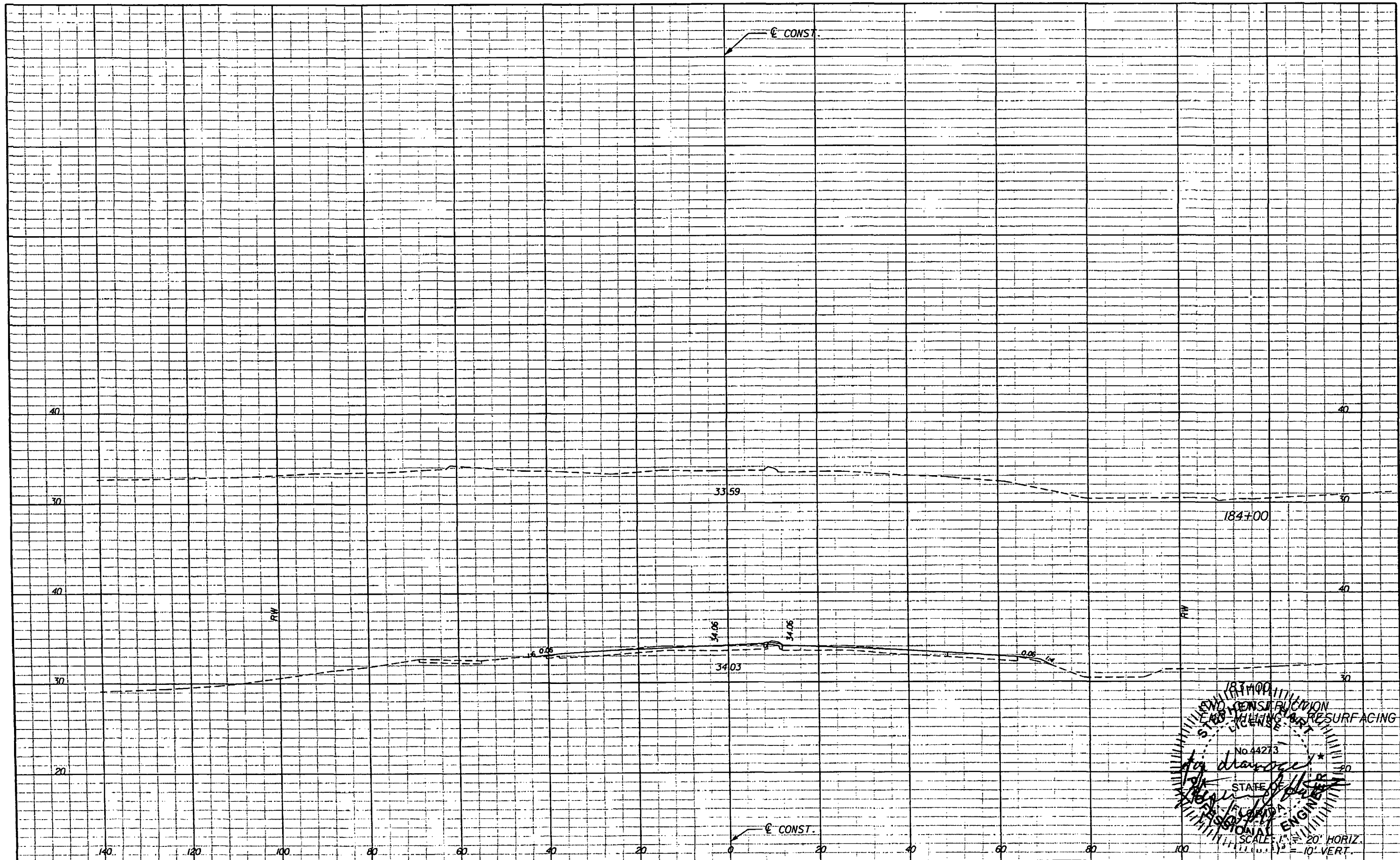


STEPHEN J. HART
LICENSE
No. 44273
STATE OF FLORIDA
PROFESSIONAL ENGINEER
10/11/11

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		CROSS SECTIONS	SHEET NO. 52
ROAD NO.	COUNTY	FINANCIAL PROJECT ID				
46	SEMINOLE	240200-3				

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G15-23.003, F.A.C.



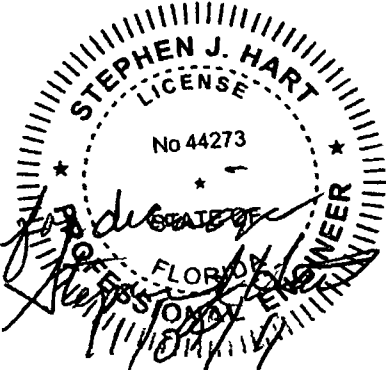
REVISIONS				Engineer of Record: TIMOTHY B. WALSH P.E. License No.: 34933 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 25861	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO. 53
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	SEMINOLE	240200-3		

TRAFFIC CONTROL PLAN GENERAL NOTES

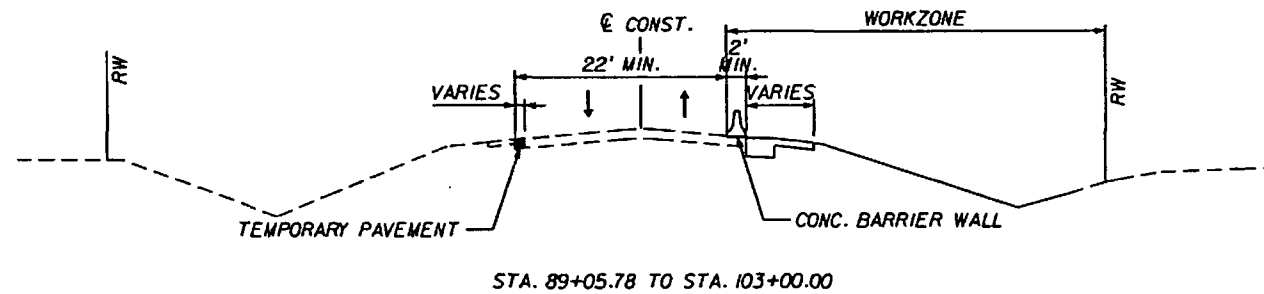
1. ALL TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ROADWAY AND TRAFFIC DESIGN STANDARDS (600 SERIES) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL LATEST EDITION AND SUPPLEMENTS.
2. ARROWS SHOWN IN THESE PLANS DENOTE DIRECTION OF TRAVEL ONLY AND DO NOT INDICATE PAVEMENT MARKINGS, EXCEPT AS NOTED.
3. THE LOCATION OF ALL TRAFFIC CONTROL DEVICES SHOWN IN PLANS IS APPROXIMATE ONLY AND SHALL BE ADJUSTED, BY THE CONTRACTOR, TO MEET ACTUAL FIELD CONDITIONS.
4. SPEED LIMIT WITHIN THE WORK ZONE SHALL BE MAINTAINED AT POSTED SPEED: 45 MPH (SR 46).
5. DO NOT ALTER THE TRAFFIC AND TRAVEL WAYS TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION OF THAT AREA.
6. TEMPORARY VEHICLE DETECTION SHALL BE USED FOR THE SIGNALIZED INTERSECTIONS ALONG THE PROJECT AND SHALL INCLUDE ALL DETECTORS, INSTALLATION, RELOCATION, ADJUSTMENTS, OR REPLACEMENTS AS REQUIRED.
7. CONTRACTOR SHALL INSTALL SPEEDING FINE SIGNS AND MESSAGE BOARDS AS DIRECTED BY THE ENGINEER.
8. TEMPORARY BARRIER WALLS SHALL BE INSTALLED AT LOCATIONS AS SHOWN ON THE TCP TYPICAL SECTIONS.
9. EXISTING REGULATORY SIGNS AND PAVEMENT MARKINGS ARE TO BE MAINTAINED AT ALL TIMES WHERE APPLICABLE. CONFLICTING EXISTING REGULATORY SIGNS ARE TO BE REMOVED OR COVERED. SIGN REMOVAL OR COVERING IS TO BE PAID UNDER THE LUMP SUM UNIT PRICE FOR MAINTENANCE OF TRAFFIC. EXISTING REGULATORY SPEED SIGNS APPLY UNLESS OTHERWISE NOTED.
10. ALL LANE/STREET CLOSURES SHALL BE REPORTED TO THE LOCAL EMERGENCY AGENCIES BY FDOT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE SUFFICIENT NOTIFICATION TO FDOT OF THE POTENTIAL LANE CLOSURES SUCH THAT PROPER COORDINATION WITH THE LOCAL EMERGENCY AGENCIES MAY BE ATTAINED. UNLESS OTHERWISE AGREED UPON, THIS NOTIFICATION PERIOD SHALL BE AT LEAST 24 HOURS BUT NOT MORE THAN 48 HOURS. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY RESIDENTS AND BUSINESSES A MINIMUM OF 24 HOURS IN ADVANCE OF ANY PLANNED UTILITY INTERRUPTIONS.
11. WHEN A CONTRACTOR IS WORKING ON A SIGNAL OR CHANGING TCP PHASES, A UNIFORMED OFF- DUTY LAW ENFORCEMENT OFFICER SHALL BE PROVIDED BY THE CONTRACTOR FOR TRAFFIC CONTROL AS DIRECTED BY THE ENGINEER.
12. REQUESTS FOR LANE CLOSURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL (14) DAYS IN ADVANCE OF THE CLOSURE, THE CONTRACTOR IS REQUIRED TO SUBMIT A PLAN WHICH DETAILS EACH ACTIVITY INVOLVED IN EACH CLOSURE. THE PLAN SHALL INCLUDE BACK UP PLANS FOR ACTIVITIES CRITICAL TO THE RE- OPENING OF THE EFFECTED TRAVEL LANES. THE PLAN SHALL INCLUDE ALL SUBCONTRACTOR OPERATIONS IN ADDITION TO THE PRIME CONTRACTOR.
13. THE CONTRACTOR SHALL PROVIDE SAFE PEDESTRIAN ACCESS THROUGH THE WORK ZONE AT ALL TIMES. PEDESTRIAN ACCESS THROUGH ANY SCHOOL ZONES IS CRITICAL.
14. EXISTING CROSS WALKS SHALL REMAIN IN PLACE OR ALTERNATE CROSSWALKS PROVIDED ACCORDING TO FDOT STANDARD INDEX 660 DURING ALL PHASES OF CONSTRUCTION.
15. MAINTAIN PROPER DRAINAGE DURING CONSTRUCTION BY USING TEMPORARY PIPING, PUMPING OR OTHER METHODS APPROVED BY THE ENGINEER AND FDOT.
16. VARIABLE MESSAGE SIGNS WILL BE PLACED ON THE APPROACH TO EACH CONSTRUCTION ZONE TWO WEEKS PRIOR TO STARTING CONSTRUCTION. THEY WILL BE USED TO NOTIFY THE PUBLIC OF UPCOMING CONSTRUCTION AND DURING CONSTRUCTION TO AID MOTORIST.
17. ADDITIONAL SIGNING, BARRICADES, OR OTHER TRAFFIC CONTROLS AS REQUIRED BY THE STANDARD INDEX AND MUTCD SHALL BE PROVIDED AS CONDITIONS WARRANT IN EACH PHASE. ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF THE ASSOCIATED CONSTRUCTION, AND SHALL BE PROPERLY MAINTAINED AND OPERATED THROUGHOUT THE CONSTRUCTION PERIOD.
18. THIS MAINTENANCE OF TRAFFIC PLAN IS PROVIDED TO DESCRIBE THE MINIMUM CRITERIA FOR CERTAIN SITUATIONS AND IS NOT A SEQUENCE OF CONSTRUCTION.
19. FLAGGERS SHALL BE REQUIRED DURING CONSTRUCTION WITHIN SIGNALIZED INTERSECTIONS IN ORDER TO CONTROL TRAFFIC.
20. ALL ENTRANCE AND EXIT RAMPS SHALL REMAIN OPEN AT ALL TIMES.

21. THE CONTRACTOR SHALL NOTIFY BUSINESS OWNERS OF ANY DRIVEWAY CLOSURES TWO WEEKS IN ADVANCE OF THE CLOSURE. DRIVEWAYS ARE TO REMAIN OPEN DURING REGULAR BUSINESS HOURS OF THE BUSINESS AFFECTED.
22. EDGE OF PAVEMENT DROP OFF CONDITIONS SHALL BE DEFINED AS PER SHEET 10 OF 13 PER INDEX NO. 600. MAINTENANCE OF TRAFFIC AND WORK ZONES SHALL CONFORM IN STRICT COMPLIANCE WITH SHEET 10 OF 13 INDEX 600.
23. NO LANE CLOSURES WILL BE ALLOWED BETWEEN THE HOURS OF 6:00AM TO 10:00PM WEEKDAYS ONLY.
24. TWO LANES OF TRAFFIC IN EACH DIRECTION AT ALL TIMES EXCEPT DURING LANE CLOSURES. AT LEAST ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED DURING LANE CLOSURES
25. LEFT TURN STORAGE LANES SHALL BE AT THE FOLLOWING INTERSECTIONS:

NAME	STATION	LENGTH (FT)(WB)	LENGTH (FT)(EB)
CENTER RD	103+40	233	
ORANGE BLVD	110+00	400	383
HENDERSON LN	128+00	320	340
DRIVEWAY	139+00		335
LAKE FOREST BLVD	146+00	233	335
INTERNATIONAL PKWY/ TERRACINA DR	160+00	365	685
DRIVEWAY	172+00	230	
N. OREGON ST/ WAYSIDE DR	180+00	485	

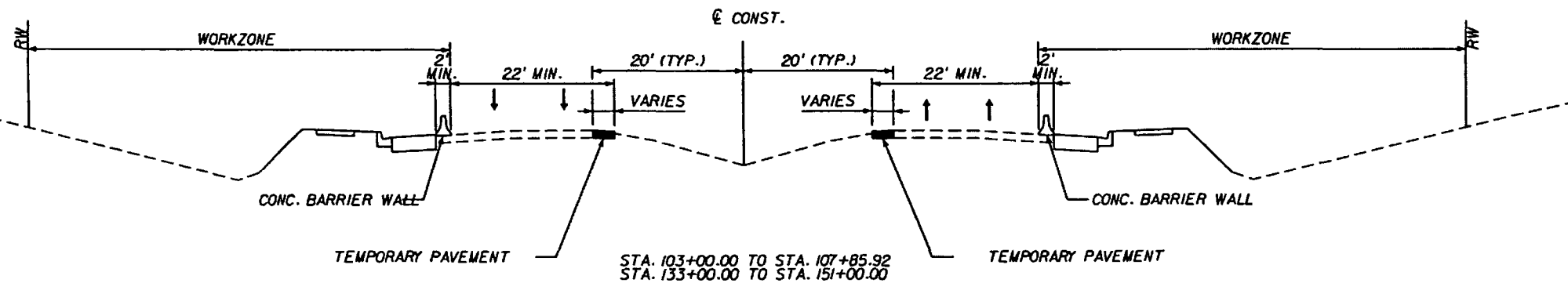


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DATE	BY	DESCRIPTION		DATE	BY		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							46	SEMINOLE	240200-3		



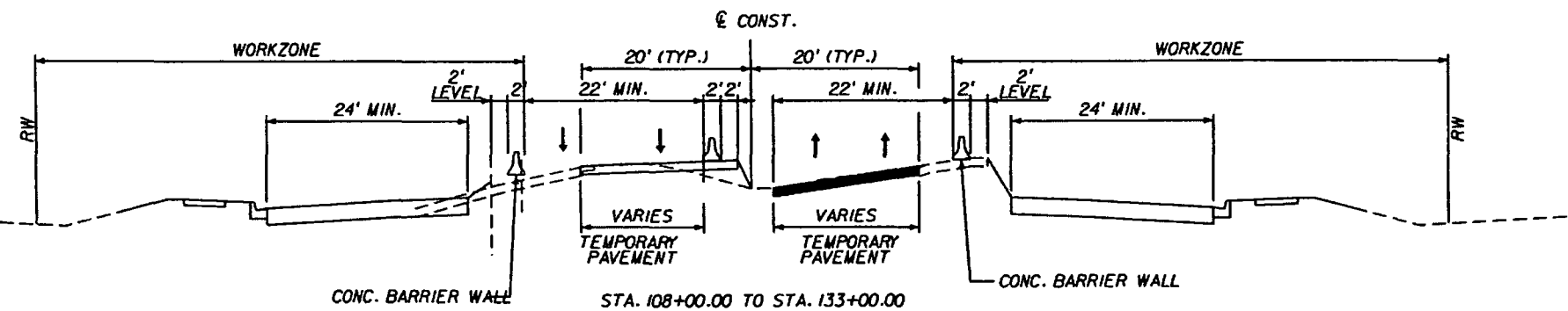
PHASE I NOTES
STA. 89+05.78 TO STA. 103+00.00

1. CONSTRUCT TEMPORARY PAVEMENT WHERE NECESSARY.
2. MAINTAIN BOTH DIRECTIONS OF TRAVEL WITH MINIMUM 11' LANES.
3. WIDEN THE RIGHT SIDE OF THE ROAD.



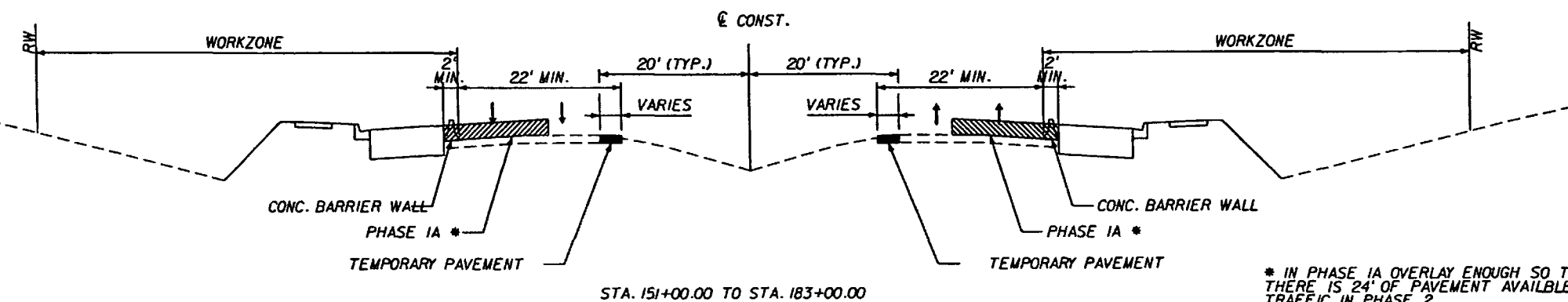
PHASE I NOTES
STA. 103+00.00 TO STA. 107+85.92
STA. 133+00.00 TO STA. 151+00.00

1. CONSTRUCT TEMPORARY PAVEMENT WHERE NECESSARY.
2. MAINTAIN BOTH DIRECTIONS OF TRAVEL WITH MINIMUM 11' LANES.
3. WIDEN THE OUTSIDE SIDE OF THE ROAD.



PHASE I NOTES
STA. 108+00.00 TO STA. 133+00.00

1. CONSTRUCT TEMPORARY PAVEMENT WHERE NECESSARY.
2. MAINTAIN BOTH DIRECTIONS OF TRAVEL WITH MINIMUM 11' LANES.
3. CONSTRUCT THE OUTSIDE SIDE OF THE PROPOSED ROAD.



PHASE I NOTES
STA. 151+00.00 TO STA. 183+00.00

1. CONSTRUCT TEMPORARY PAVEMENT WHERE NECESSARY.
2. MAINTAIN BOTH DIRECTIONS OF TRAVEL WITH MINIMUM 11' LANES.
3. WIDEN THE OUTSIDE SIDE OF THE ROAD.

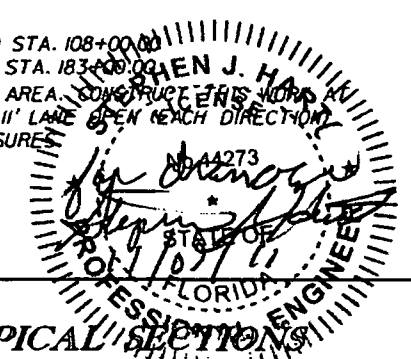
PHASE IA NOTES
STA. 103+00.00 TO STA. 108+00.00
STA. 151+00.00 TO STA. 183+00.00

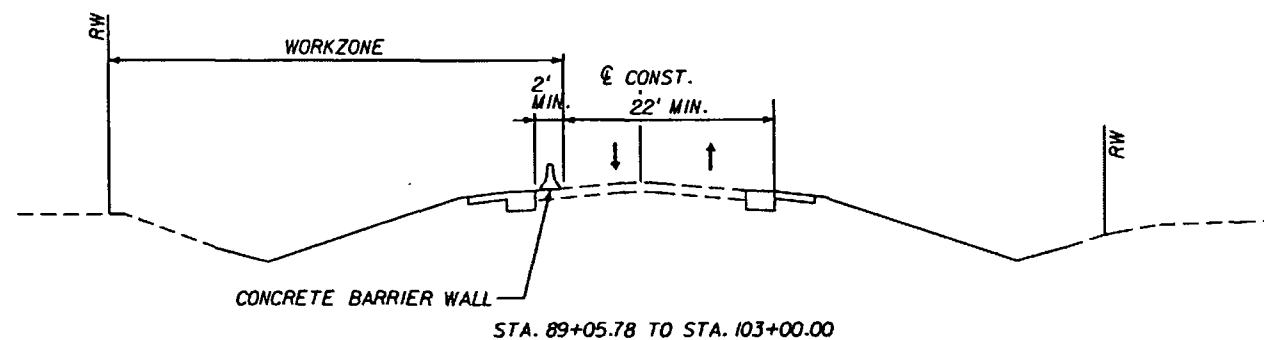
1. OVERLAY SHOWN AREA. CONSTRUCT THIS WORK AT NIGHT WITH ONE 11' LANE OPEN EACH DIRECTION DURING LANE CLOSURE.

* IN PHASE IA OVERLAY ENOUGH SO THAT THERE IS 24' OF PAVEMENT AVAILABLE FOR TRAFFIC IN PHASE 2

REVISIONS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TCP TYPICAL SECTIONS PHASE 1	SHEET NO. 55
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						46	SEMINOLE	240200-3		

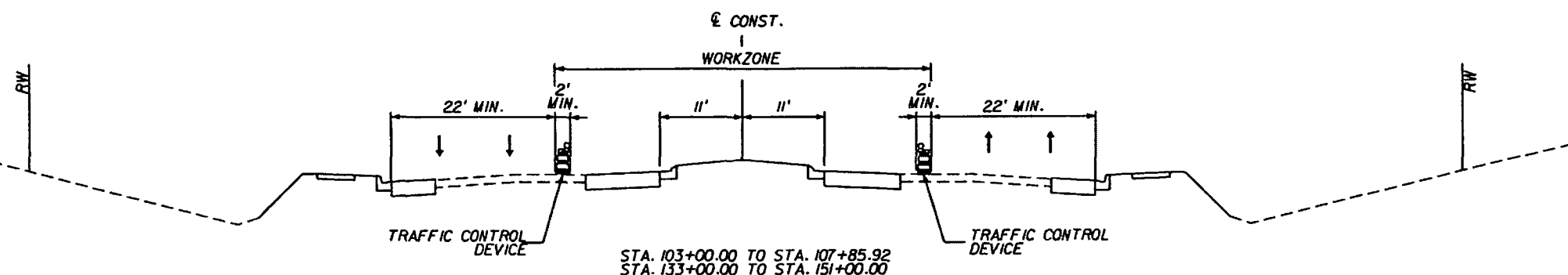
Engineer of Record: TIMOTHY B. WALSH
P.E. License No.: 34933
CH2M HILL
225 E. ROBINSON STREET
SUITE 505
ORLANDO, FL 32801-4322
CERTIFICATE OF AUTHORIZATION NO. 25861





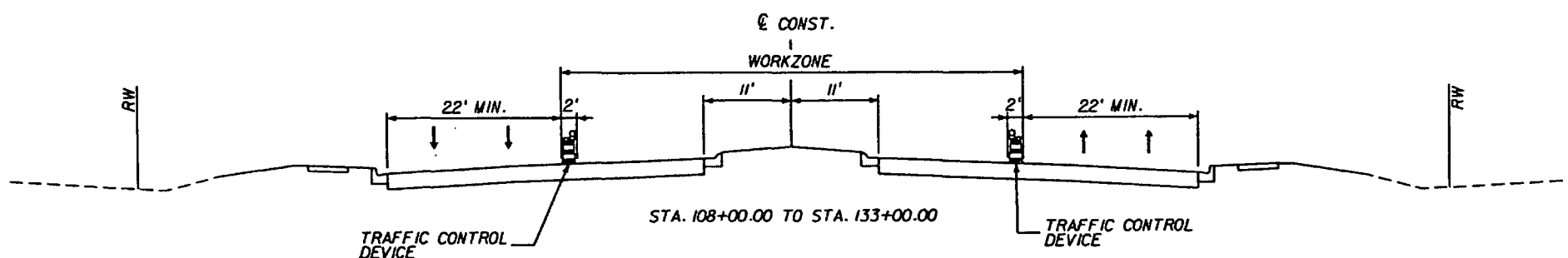
PHASE 2 NOTES
STA. 89+05.78 TO STA. 103+00.00

1. SHIFT TRAFFIC TO RIGHT SIDE OF ROAD.
2. WIDEN LEFT SIDE OF ROAD.



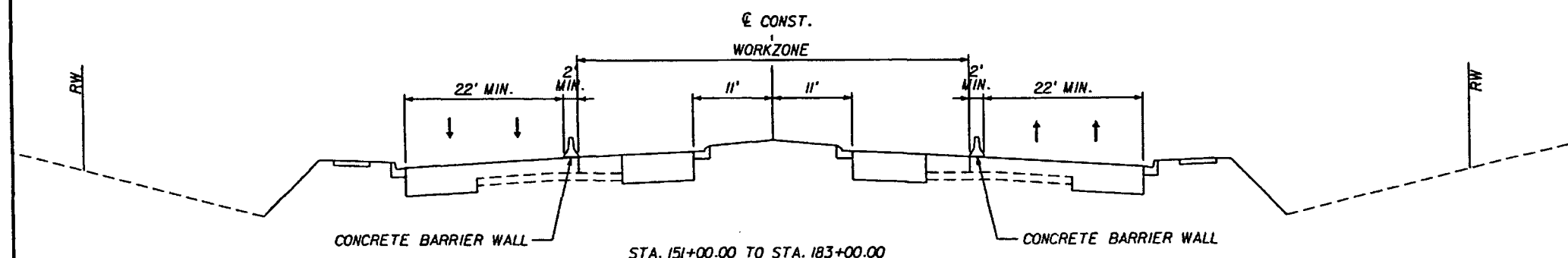
PHASE 2 NOTES
STA. 103+00.00 TO STA. 107+85.92
STA. 133+00.00 TO STA. 151+00.00

1. SHIFT TRAFFIC TO OUTSIDE SIDE OF ROAD.
2. WIDEN ON THE INSIDE OF THE ROAD AND CONSTRUCT THE MEDIAN.



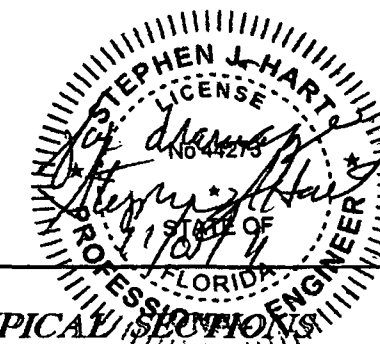
PHASE 2 NOTES
STA. 108+00.00 TO STA. 133+00.00

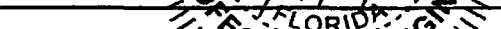
1. SHIFT TRAFFIC TO OUTSIDE SIDE OF ROAD.
2. CONSTRUCT THE INSIDE OF THE ROAD AND CONSTRUCT THE MEDIAN.



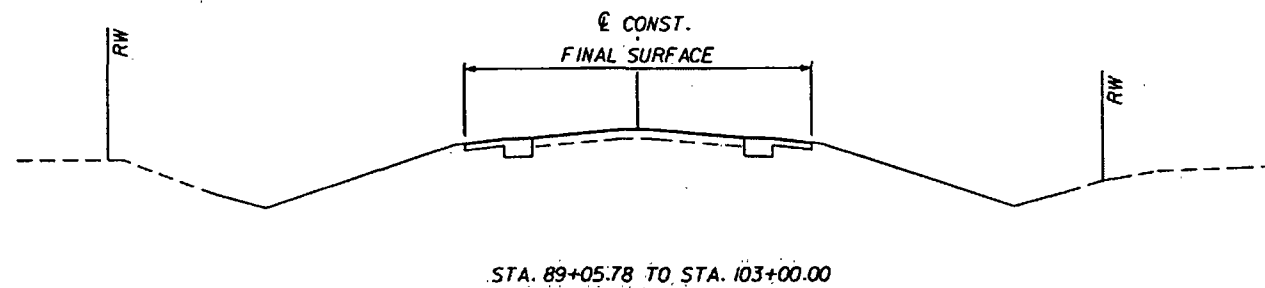
PHASE 2 NOTES
STA. 151+00.00 TO STA. 183+00.00

1. SHIFT TRAFFIC TO OUTSIDE SIDE OF ROAD.
2. WIDEN ON THE INSIDE OF THE ROAD AND CONSTRUCT THE MEDIAN.

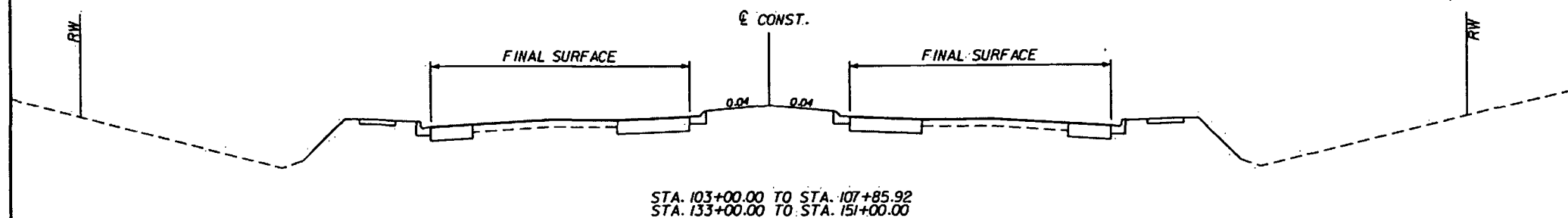


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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							46	SEMINOLE	240200-3		56

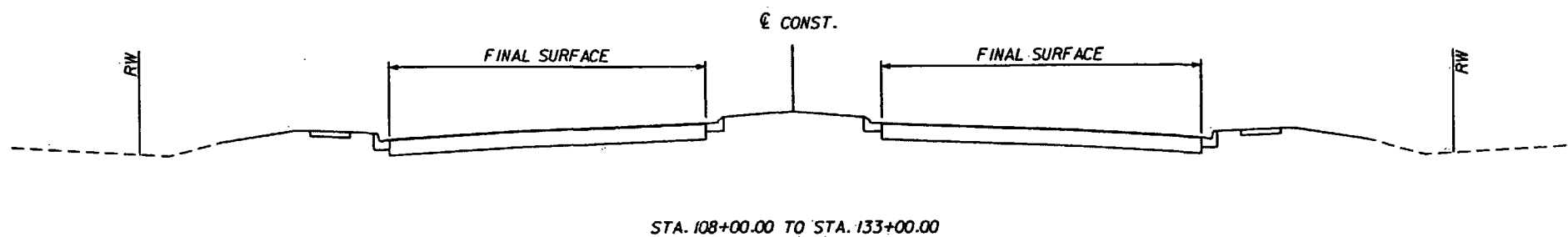
Engineer of Record: TIMOTHY B. WALSH
P.E. License No.: 34933
CH2M HILL
225 E. ROBINSON STREET
SUITE 505
ORLANDO, FL 32801-4322
CERTIFICATE OF AUTHORIZATION NO. 25881



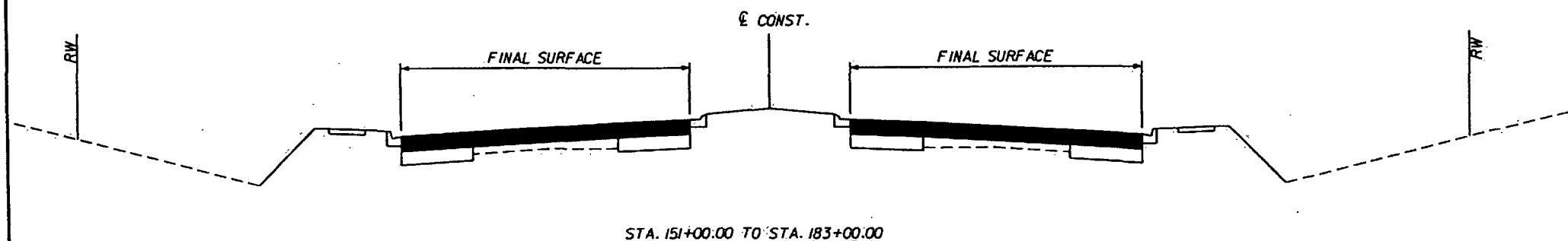
PHASE 3 NOTES
STA. 89+05.78 TO STA. 103+00.00
1. CONSTRUCT FRICTION COURSE.



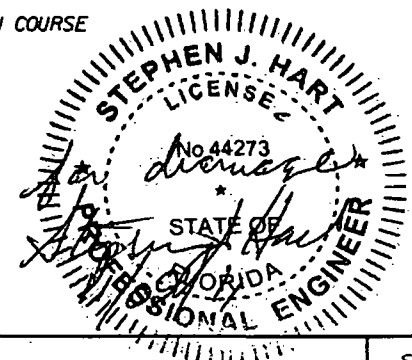
PHASE 3 NOTES
STA. 103+00.00 TO STA. 107+85.92
STA. 133+00.00 TO STA. 151+00.00
1. CONSTRUCT FRICTION COURSE.



PHASE 3 NOTES
STA. 108+00.00 TO STA. 133+00.00
1. CONSTRUCT FRICTION COURSE.



PHASE 3 NOTES
STA. 151+00.00 TO STA. 183+00.00
1. CONSTRUCT FRICTION COURSE



REVISIONS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TCP TYPICAL SECTIONS PHASE 3	SHEET NO. 57
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						46	SEMINOLE	240200-3		

Engineer of Record: TIMOTHY B. WALSH
P.E. License No.: 34933
CH2M HILL
225 E. ROBINSON STREET
SUITE 505
ORLANDO, FL 32801-4322
CERTIFICATE OF AUTHORIZATION NO. 25861

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

MODIFICATIONS TO EITHER THE SWPPP AND/OR THE EROSION CONTROL PLANS DUE TO THE CONTRACTOR'S PROPOSED CONSTRUCTION MEANS, METHODS, AND PHASING SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR'S EROSION CONTROL PLAN WILL BE USED AS THE FIRST FORMAL UPDATE TO THE SWPPP. THE CONTRACTOR WILL ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS AND SUPPLY CONTRACT TIME SCHEDULES FOR THE IMPLEMENTATION OF EACH SUBMITTAL.

I. SITE DESCRIPTION

IA. CONSTRUCTION ACTIVITY:

- PROJECT LIMITS: SR 46 FROM WEST OF ORANGE AVENUE TO OREGON STREET, SECTIONS 29 & 30 OF TWP 19S/RGE 30E AND SECTION 25 OF TWP 19S/RGE 29E
- PROJECT DESCRIPTION: THIS PROJECT IS TO WIDEN THE EXISTING 4 LANE ROAD TO 6 LANES, INCLUDING A CLOSED STORMSEWER SYSTEM AND A STORMWATER TREATMENT POND.

IB. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

FOR EACH CONSTRUCTION PHASE, CLEAR AND GRUB THE AREA NECESSARY TO INSTALL PERIMETER PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS HAVE BEEN STABILIZED. EROSION CONTROLS BEFORE BEGINNING ANY OTHER WORK FOR THE CONSTRUCTION PHASE.

IC. AREA ESTIMATES:

- TOTAL SITE AREA: 61.59 AC
- TOTAL AREA TO BE DISTURBED: 51.41 AC

ID. RUNOFF DATA:

- COEFFICIENTS BEFORE, DURING AND AFTER CONSTRUCTION:
BEFORE: 0.80 - 0.90
DURING: 0.80 - 0.90
AFTER: 0.80 - 0.90

- DESCRIPTION OF SOIL OR QUALITY OF DISCHARGE: THE SURFICIAL SOILS ARE CHARACTERIZED AS SANDS WITH VARIABLE SILT CONTENT AND MANY HAVE INTERMEDIATE STRATA OF SANDY CLAY LOAM. THE SOILS ARE TYPE A WITH DEEP GROUNDWATER TABLES ALONG MOST OF THE CORRIDOR AND TYPE D WITH HIGH GROUNDWATER TABLES IN THE EAST END AT THE STORMWATER TREATMENT POND SITE. THE SOILS WITHIN ROADWAY CORRIDOR FUNCTION AS HYDROLOGIC GROUP A.

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

- LOCATIONS OF PERMANENT CONTROLS: NO CHANGES TO EXISTING STORMWATER MANAGEMENT CONTROLS.
- WETLANDS: IMPACTS TO ANY WETLAND FEATURES ADJACENT TO THE EXISTING ROADWAY WILL BE MINIMIZED.

IF. NAME OF RECEIVING WATERS:

- ST. JOHNS RIVER LAT./LONG. 28.8467, 81.3364
- SYLVAN LAKE LAT./LONG. 28.8125, 81.3781

2. CONTROLS:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES BASED ON THE CONTRACTOR'S PROPOSED TRAFFIC CONTROL PLAN AND SUBMIT TO THE ENGINEER FOR REVIEW. THE PLAN SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS APPROVED BY THE ENGINEER:

- EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN CONSTRUCTION. SEDIMENT CONTROL DEVICES WILL BE EMPLOYED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE.

- CLEARING AND GRUBBING OPERATIONS WILL BE CONTROLLED SO AS TO MINIMIZE UNPROTECTED ERODIBLE AREAS EXPOSED TO WEATHER. AREAS OUTSIDE THE LIMITS OF CONSTRUCTION WILL NOT BE DISTURBED.

- EXCAVATED MATERIAL WILL NOT BE DEPOSITED IN LOCATIONS WHERE IT COULD BE WASHED AWAY BY HIGH WATER OR STORMWATER RUNOFF, AND STOCKPILES SHALL BE COVERED OR ENCIRCLED WITH SEDIMENT CONTAINMENT DEVICES. NEW AND EXISTING STRUCTURES WILL BE PROTECTED FROM SILTATION DURING CONSTRUCTION.

- THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THE SEQUENCE OF CONSTRUCTION AND IMPLEMENTATION OF CONTROLS.

THE CONTRACTOR IS ADVISED THAT THE CONTRACT DRAWINGS ONLY INDICATE EROSION, SEDIMENT AND TURBIDITY CONTROLS AT LOCATIONS DETERMINED IN THE DESIGN PROCESS. HOWEVER, THE CONTRACTOR IS REQUIRED TO UPDATE THE SWPPP TO REFLECT ANY ADDITIONAL CONTROLS NECESSARY TO PREVENT THE POSSIBILITY OF SILTING ANY ADJACENT LOWLAND PARCEL, RECEIVING WATER, OR OTHERWISE VIOLATING STATE AND FEDERAL PERMIT REQUIREMENTS.

AT LEAST 45 DAYS PRIOR TO INITIATION OF CONSTRUCTION, THE PERMITTEE SHALL SUBMIT A DETAILED EROSION AND SEDIMENT CONTROL PLAN, DEVELOPED BY THE CONTRACTOR RESPONSIBLE FOR CONSTRUCTION TO THE FDEP, FOR WRITTEN APPROVAL. THE PLAN SHALL DETAIL ALL EROSION AND SEDIMENT CONTROL MEASURES TO BE IMPLEMENTED BOTH DURING AND AFTER CONSTRUCTION. AT A MINIMUM THE PLAN SHALL INCLUDE:

- IDENTIFICATION OF ANY AREAS WHERE DEWATERING WILL BE PERFORMED DURING CONSTRUCTION;
- DETAIL OF SPECIFIC EROSION AND SEDIMENT CONTROL MEASURES TO BE IMPLEMENTED TO CONTROL THE DISCHARGE OF TURBID WATER DUE TO DEWATERING ACTIVITIES; AND
- CONSTRUCTION SEQUENCING AND DETAILS OF ALL EROSION AND SEDIMENT CONTROL MEASURES TO BE IMPLEMENTED DURING EACH SEQUENCE.
- CONSTRUCTION SHALL NOT COMMENCE UNTIL THE PERMITTEE RECEIVES WRITTEN APPROVAL OF THE PLAN FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.

2A. EROSION AND SEDIMENT CONTROLS:

THE EROSION AND SEDIMENT CONTROL PLAN SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

- THE CONSTRUCTION PROJECT SCHEDULE WITH EROSION AND SEDIMENT CONTROL INSTALLATION AND MAINTENANCE TIED TO SPECIFIC DATES OR CONSTRUCTION ACTIVITIES.
- ALTERATIONS TO THE DESIGN EROSION AND SEDIMENT CONTROLS DUE TO THE DIFFERENCES BETWEEN THE CONSTRUCTION PLANS AND ANTICIPATED CONSTRUCTION PHASING AND THE CONTRACTOR'S CONSTRUCTION METHODS AND PHASING.
- THE NAME AND PHONE NUMBER OF CONTRACTOR'S REPRESENTATIVE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL INSTALLATION AND MAINTENANCE ON A 24-HOUR BASIS.

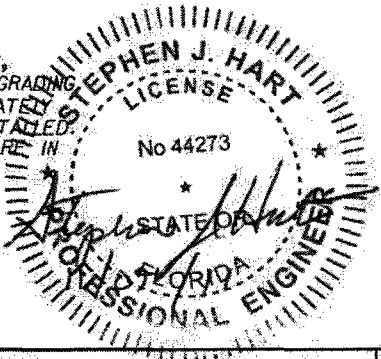
2A.I. STABILIZATION PRACTICES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICABLE, BUT IN NO CASE MORE THAN 7 DAYS IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED.

THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS, AS APPLICABLE. THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN.

- ___ TEMPORARY ARTIFICIAL COVERINGS
- ___ TEMPORARY SODDING
- ___ TEMPORARY GRASSING
- ___ TEMPORARY MULCHING
- ☒ PERMANENT ASPHALT OR CONCRETE SURFACE
- ☒ PERMANENT PLANTING, SODDING OR SEEDING
- ___ BUFFER ZONES
- ___ PRESERVATION OF NATURAL RESOURCES
- ☒ EROSION PROTECTION AROUND INLETS PER INDEX 102

PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREAS SHALL BE COMPLETED IMMEDIATELY AFTER FINAL GRADING WHEN IT IS NOT POSSIBLE TO PERMANENTLY PROTECT A DISTURBED AREA IMMEDIATELY AFTER GRADING OPERATION, TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED. ALL TEMPORARY PROTECTION SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED.



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2.A.2. STRUCTURAL PRACTICES:

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN, AND SUBSEQUENTLY REMOVE ALL NECESSARY EROSION CONTROL, INCLUDING, BUT NOT LIMITED TO, SILT FENCES, SYNTHETIC BALES, TURBIDITY BARRIERS, AND ANY OTHER MISCELLANEOUS ITEMS AS INDICATED WITHIN THE CONTRACT DOCUMENTS, OR AS REQUIRED PER APPLICABLE STANDARDS OR THE ENGINEER.

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE REFERENCED CONTROL MEASURES, AS IDENTIFIED IN THE CONSTRUCTION PLANS AND THE GENERAL NOTES.

- ☒ INLET PROTECTION
- ☒ SEDIMENT BARRIER
- ☐ SYNTHETIC BALES
- ☐ BERMS
- ☐ DIVERSION, INTERCEPTOR, OR PERIMETER DITCHES
- ☐ PIPE SLOPE DRAINS
- ☐ FLUMES
- ☐ ROCK BEDDING AT CONSTRUCTION EXIT
- ☐ TIMBER BEDDING AT CONSTRUCTION EXIT
- ☐ DITCH LINER
- ☐ SEDIMENT TRAPS
- ☐ SEDIMENT BASINS
- ☐ STORM INLET SEDIMENT TRAP
- ☐ STONE OUTLET STRUCTURES
- ☐ CURBS AND GUTTERS
- ☐ STORM SEWERS
- ☐ VELOCITY CONTROL DEVICES
- ☐ FLOATED AND STAKED TURBIDITY BARRIERS
- ☐ RIP RAP

2B. DESCRIPTION OF STORMWATER MANAGEMENT:

STORMWATER RUNOFF FROM THE PROPOSED ROADWAY WILL BE COLLECTED IN A STORM SEWER SYSTEM AND ROUTED TO A WET DETENTION TREATMENT POND 6 AND FROM SHEET FLOW INTO POND 5.

2.C. OTHER CONTROLS:

2.C.1. WASTE DISPOSAL:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

- PROVIDING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES.
- DISPOSING OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.
- DISPOSING OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE BUT NOT IN SURFACE WATERS, OR WETLANDS.

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

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

- HAUL ROADS DAMPENED FOR DUST CONTROL
- LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN
- EXCESS DIRT ON ROAD REMOVED DAILY
- STABILIZED CONSTRUCTION ENTRANCE ACCORDING TO DESIGN STANDARD 106
- SOIL TRACKING PREVENTION DEVICE
- USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND MILLING OPERATIONS

2.C.3. SANITARY WASTE:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS.

2.C.4. FERTILIZERS AND PESTICIDES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE PORTIONS OF SECTION 570 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

2.C.5. TOXIC SUBSTANCES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN OF ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.

2D. APPROVED STATE AND LOCAL PLANS, OR STORMWATER # PERMITS: SR 46 4-117-03820

3. MAINTENANCE:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM, COMPLY WITH THE FOLLOWING:

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 WITHIN 24 HOURS.

SILT FENCE: MAINTAIN PER SECTION 104. THE CONTRACTOR SHALL ANTICIPATE REPLACING SILT FENCE ON 12 MONTH INTERVAL OR IF SILT FENCE HAS BEEN DISTURBED.

4. INSPECTION:

THE CONTRACTOR SHALL INSPECT ALL EROSION DEVICES ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS AFTER THE END OF A STORM THAT IS 0.50 INCHES (13 MM) OR GREATER. THE CONTRACTOR WILL USE FDOT FORM 650-040-03 TO REPORT ALL INSPECTION FINDINGS AND CORRECTIVE ACTIONS TAKEN AS A RESULT OF THE INSPECTION. THE CONTRACTOR WILL SIGN EACH INSPECTION REPORT AND SUBMIT IT WEEKLY TO THE ENGINEER.

THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES. RAINFALL AMOUNTS SHALL BE RECORDED DAILY AND SUBMITTED TO THE ENGINEER ALONG WITH WEEKLY INSPECTION REPORTS.

THE CONTRACTOR SHALL ALSO INSPECT THE CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST SWPPP. IN ADDITION, THE CONTRACTOR MUST MAINTAIN ALL EROSION CONTROL DEVICES AS REQUIRED HEREIN AND AS SPECIFIED IN STATE AND/OR FEDERAL ENVIRONMENTAL REGULATORY PERMITS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE DAILY REVIEW OF THE LOCATION OF SILT FENCES AND TURBIDITY BARRIERS IN AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CHANGED THE NATURAL CONTOUR AND DRAINAGE RUNOFF TO ENSURE THAT SILT FENCES AND TURBIDITY BARRIERS ARE PROPERLY LOCATED FOR EFFECTIVENESS.

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

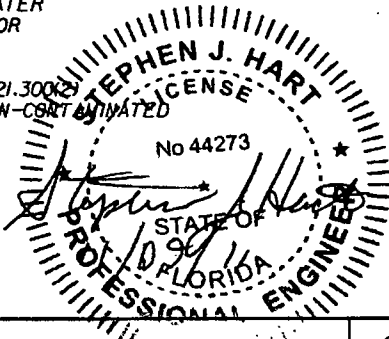
IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTION'S, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.

5. NON-STORMWATER DISCHARGES (INCLUDING SPILL REPORTING):

IN THE SECTION 104 EROSION CONTROL PLANS, THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES.

WHEN THE CONTRACTOR ENCOUNTERS A SPILL, CONSTRUCTION WILL STOP AND WORK WILL NOT RESUME UNTIL DIRECTED BY THE ENGINEER. DISPOSITION OF HAZARDOUS WASTE WILL BE MADE IN ACCORDANCE WITH ANY REQUIREMENTS AND REGULATIONS OF ANY LOCAL, STATE AND FEDERAL AGENCY HAVING JURISDICTION. IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT THE FDOT DISTRICT FIVE HAZARDOUS MATERIAL COORDINATOR AT (386) 943-5393.

IF DEWATERING IS REQUIRED, THE CONTRACTOR MUST ABIDE BY THE FDEP RULE 62-621.3003 FOR GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUND WATER FROM ANY NON-COASTAL WATERS. THE CONTRACTOR SHALL MAINTAIN A RECORD OF ALL DEWATERING SITE ACTIVITIES.



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