

1. The recitals set forth above are specifically incorporated herein by reference and made a part of this Agreement. The Construction Coordinator is authorized, subject to the conditions set forth herein, to enter the DEPARTMENT'S right of way to perform all activities necessary for the construction of _____. **See attached Exhibit A Scope of Services/Special Provisions.**
2. The Project shall be designed and constructed in accordance with the latest edition of the Florida Department of Transportation (FDOT) Standard Specifications for Road and Bridge Construction ("FDOT Standard Specifications"), FDOT Standard Plans and FHWA Manual on Uniform Traffic Control Devices ("MUTCD"). The following guidelines shall apply as deemed appropriate by the DEPARTMENT: the FDOT Structures Design Manual, AASHTO Guide Specifications for the Design of Pedestrian Bridges, AASHTO LRFD Bridge Design Specifications, the FDOT Design Manual, Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (commonly known as the "Florida Greenbook") and the FDOT Traffic Engineering Manual. The Construction Coordinator will be required to submit any construction plans required by the DEPARTMENT for review and written approval prior to any work being commenced. Should any changes to the plans be required during construction of the Project, the Construction Coordinator shall be required to notify the DEPARTMENT of the changes and receive written approval from the DEPARTMENT prior to the changes being constructed. The Construction Coordinator shall maintain the area of the Project at all times and coordinate any work needs of the DEPARTMENT during construction of the Project.
3. In its sole discretion, the DEPARTMENT may reject designs which do not meet DEPARTMENT standards. The DEPARTMENT may also, in its sole discretion, allocate DEPARTMENT-managed resources, including structures engineers and/or project managers, to projects involving complex design structures and other design structures not commonly used by the DEPARTMENT. In addition, all complex bridges and bridge types not commonly used by the DEPARTMENT constructed via this Agreement will be monitored and inspected by DEPARTMENT personnel.
4. The Construction Coordinator shall provide the DEPARTMENT a minimum of 2 business days' notice before beginning construction within DEPARTMENT right of way. The Construction Coordinator shall notify the DEPARTMENT should construction be suspended for more than 5 working days.
5. Pursuant to Section 7-13 of the FDOT Standard Specifications, the Construction Coordinator is required to possess a general liability insurance naming the DEPARTMENT as an additional insured and insuring the DEPARTMENT and the Construction Coordinator against any and all claims for injury or damage to persons and property, and for the loss of life or property that may occur (directly or indirectly) by reason of the Construction Coordinator accessing DEPARTMENT right of way and the Construction Coordinator's performance of the Project. Such amount shall be carried in a minimum amount of not less than zero and 00/100 Dollars (\$ 0.00) for bodily injury or death to any one person or any number of persons in any one occurrence, and not less than zero and 00/100 Dollars (\$ 0.00) for property damage, or a combined coverage of not less than zero and 00/100 Dollars (\$ 0.00). Additionally, the Construction Coordinator shall supply the DEPARTMENT with a payment and performance bond in the amount of the estimated cost of construction, provided by a surety authorized to do business in the State of Florida, payable to the DEPARTMENT. The bond and insurance shall remain in effect until completion of construction and acceptance by the DEPARTMENT. Prior to commencement of the Project and on such other occasions as the DEPARTMENT may reasonably require, the Construction Coordinator shall provide

the DEPARTMENT with certificates documenting that the required insurance coverage is in place and effective. If the Construction Coordinator is a governmental entity, they will be exempt from these requirements.

6. The Construction Coordinator shall be responsible for monitoring construction operations and Temporary Traffic Control (TTC) throughout the course of the Project in accordance with the latest edition of the FDOT Standard Specifications, Section 102, Maintenance of Traffic, and FDOT Standard Plans, 102-600 series. The Construction Coordinator is responsible for the development of a TTC Plan and making any changes to that plan as necessary. Any TTC plan developed by the Construction Coordinator that deviates from the FDOT Standard Plans must be signed and sealed by a professional engineer. TTC plans will require written approval by the DEPARTMENT prior to implementation.
7. The Construction Coordinator shall be responsible for locating all existing utilities, both aerial and underground, and for ensuring that all utility locations are accurately documented on the construction plans. All utility conflicts shall be fully resolved directly with the applicable utility.
8. The Construction Coordinator will be responsible for obtaining all permits that may be required by other agencies or local governmental entities.
9. The Construction Coordinator shall take emergency steps to close any public road whenever there is a risk to life, health and safety of the travelling public. The safety of the travelling public is the DEPARTMENT'S first priority. If lane or road closures are required to ensure the life, health, and safety of the travelling public, the Construction Coordinator must notify the District Maintenance Engineer and District Traffic Operations Engineer immediately once the travelling public are not at imminent risk. The DEPARTMENT expects professional engineering judgement be applied in all aspects of locally or privately delivered projects. Defect management and supervision of Project bridge structures components must be proactively managed, monitored, and inspected by DEPARTMENT prequalified structures engineer(s). The District Maintenance Engineer must be notified immediately of defect monitoring that occurs in the Project construction, whether or not the defects are considered an imminent risk to life, health, or safety of the travelling public. When defects, including but not limited to, structural cracks, are initially detected during bridge construction, the engineer of record, construction engineering inspector, design-build firm, or local agency that owns or is responsible for the bridge construction has the authority to immediately close the bridge to construction personnel and close the road underneath. The Construction Coordinator shall also ensure compliance with the DEPARTMENT Construction Project Administration Manual, Section 9.1.8 regarding actions for maintenance of traffic and safety concerns.
10. It is hereby agreed by the parties that this Agreement creates a permissive use only and all improvements resulting from this agreement shall become the property of the DEPARTMENT. Neither the granting of the permission to use the DEPARTMENT right of way nor the placing of facilities upon the DEPARTMENT property shall operate to create or vest any property right to or in the Construction Coordinator, except as may otherwise be provided in separate agreements. The Construction Coordinator shall not acquire any right, title, interest, or estate in DEPARTMENT right of way, of any nature or kind whatsoever, by virtue of the execution, operation, effect, or performance of this Agreement including, but not limited to, the Construction Coordinator's use, occupancy, or possession of DEPARTMENT right of way. The parties agree that this Agreement does not, and shall not be construed to, grant credit for any future transportation concurrency requirements pursuant to Chapter 163, Florida Statutes.
11. The Construction Coordinator shall perform all required testing associated with the design and construction of the Project. Testing results shall be made available to the DEPARTMENT upon request. The DEPARTMENT shall have the right to perform its own independent testing during the course of the Project.
12. The Construction Coordinator shall exercise the rights granted herein and shall otherwise perform this Agreement in a good and workmanlike manner, with reasonable care, in accordance with the terms and provisions of this Agreement and all applicable federal, state, local, administrative, regulatory, safety and environmental laws, codes, rules, regulations, policies, procedures, guidelines, standards, and permits, as the same may be constituted and amended from time to time, including, but not limited to, those of the DEPARTMENT, applicable Water Management District, Florida Department of Environmental Protection, Environmental Protection Agency, the Army Corps of Engineers, the United States Coast Guard, and local governmental entities.
13. The Construction Coordinator is responsible for the provision of Construction Engineering Inspection (CEI) services. The DEPARTMENT reserves the right to require the Construction Coordinator to hire a DEPARTMENT pre-qualified consultant firm that includes one individual that has completed the Advanced Maintenance of Traffic Level Training. Notwithstanding any provision of law to the contrary, design services and CEI services may not be performed by the same entity. Administration of the CEI staff shall be under the responsible charge of a State of Florida Licensed Professional Engineer who shall provide the certification that all design and construction for the Project meets the minimum construction standards established by DEPARTMENT. The DEPARTMENT shall have the right to approve the CEI firm. The DEPARTMENT shall have the right, but not the obligation, to perform independent assurance testing during the course of construction of the Project. Subject to the written approval of the DEPARTMENT, a local government agency may choose to satisfy the requirements set forth in this paragraph by either hiring a DEPARTMENT prequalified consultant firm or utilizing local government staff that meet the requirements of this paragraph, or a combination thereof.
14. If the DEPARTMENT determines a condition exists which threatens the public's safety, the DEPARTMENT may, at its discretion, cause construction operations to cease and immediately have any potential hazards removed from its right of way at the sole cost, expense, and effort of the Construction Coordinator. The Construction Coordinator shall bear all construction delay costs incurred by the DEPARTMENT.
15. All work and construction shall be completed within 365 days of the date of the last signature affixed to this agreement. If construction is not completed within this time, the DEPARTMENT may make a claim on the bond. The DEPARTMENT may terminate this

Agreement at any time, with or without cause and without DEPARTMENT liability to the Construction Coordinator, by providing sixty (60) days' prior written notice of termination to the Construction Coordinator.

16. The Construction Coordinator shall be responsible for maintaining and restoring all features that might require relocation within the DEPARTMENT right of way.
17. The Construction Coordinator will be responsible for clean up or restoration required to correct any environmental or health hazards that may result from construction operations.
18. Upon completion of construction, the Construction Coordinator will be required to submit to the DEPARTMENT final as-built plans and an engineering certification that construction was completed in accordance with the Plans. Prior to the termination of this Agreement, the Construction Coordinator shall remove its presence, including, but not limited to, all of the Construction Coordinator's property, machinery, and equipment from DEPARTMENT right of way and shall restore those portions of DEPARTMENT right of way disturbed or otherwise altered by the Project to substantially the same condition that existed immediately prior to the commencement of the Project.
19. If the DEPARTMENT determines that the Project is not completed in accordance with the Provisions of this Agreement, the DEPARTMENT shall deliver written notification of such to the Construction Coordinator. The Construction Coordinator shall have thirty (30) days from the date of receipt of the DEPARTMENT'S written notice, or such other time as the Construction Coordinator and the DEPARTMENT mutually agree to in writing, to complete the Project and provide the DEPARTMENT with written notice of the same (the "Notice of Completion"). If the Construction Coordinator fails to timely deliver the Notice of Completion, or if it is determined that the Project is not properly completed after receipt of the Notice of Completion, the DEPARTMENT, within its discretion may: 1) provide the Construction Coordinator with written authorization granting such additional time as the DEPARTMENT deems appropriate to correct the deficiency(ies); or 2) file a claim against the payment and performance bond with the Surety for correction of the deficiency(ies) and completion of the contract; or 3) correct the deficiency(ies) at the Construction Coordinator's sole cost and expense, without DEPARTMENT liability to the Construction Coordinator for any resulting loss or damage to property, including, but not limited to, machinery and equipment. If the DEPARTMENT elects to correct the deficiency(ies), the DEPARTMENT shall provide the Construction Coordinator with an invoice for the costs incurred by the DEPARTMENT and the Construction Coordinator shall pay the invoice within thirty (30) days of the date of the invoice. If no payment is received within thirty (30) days from date of invoice submittal, the DEPARTMENT will file a claim against the bond for all expenses incurred, including services incidental to collecting losses.
20. Nothing in this Agreement shall be deemed or otherwise interpreted as waiving the DEPARTMENT'S sovereign immunity protections, or as increasing the limits of liability as set forth in Section 768.28, Florida Statutes. The DEPARTMENT'S liability for breach of this Agreement is limited in amount and shall not exceed the limitations of liability for tort actions as set forth in Section 768.28(5), Florida Statutes.
21. All formal notices, proposed changes and determinations between the parties hereto and those required by this Agreement, including, but not limited to, changes to the notification addresses set forth below, shall be in writing and shall be sufficient if mailed by regular United States mail, postage prepaid, to the parties at the contact information listed below. Electronic means of communication shall be sufficient if emailed to the parties at the contact information listed below.
22. The Construction Coordinator shall not cause any liens or encumbrances to attach to any portion of DEPARTMENT right of way.
23. This Agreement shall be governed by the laws of the State of Florida in terms of interpretation and performance. Venue for any and all actions arising out of or in any way related to the interpretation, validity, performance or breach of this Agreement shall lie exclusively in a state court of appropriate jurisdiction in Leon County, Florida.
24. The Construction Coordinator may not assign, pledge or transfer any of the rights, duties and obligations provided in this Agreement without the prior written consent of the DEPARTMENT'S District Secretary or his/her designee. The DEPARTMENT has the sole discretion and authority to grant or deny proposed assignments, with or without cause. Nothing herein shall prevent the Construction Coordinator from delegating its duties hereunder, but such delegation shall not release the Construction Coordinator from its obligation to perform this Agreement.
25. This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns. Nothing in this Agreement is intended to confer any rights, privileges, benefits, obligations, or remedies upon any other person or entity except as expressly provided for herein.
26. This instrument, together with the attached exhibits and documents made part hereof by reference, contain the entire agreement of the parties and no representations or promises have been made except those that are specifically set out in this Agreement. All prior and contemporaneous conversations, negotiations, possible and alleged agreements and representations, covenants, and warranties with respect to the subject matter of this Agreement, and any part hereof, are waived, merged herein and superseded hereby.
27. By their signature below, the parties hereby acknowledge the receipt, adequacy and sufficiency of consideration provided in this Agreement and forever waive the right to object to or otherwise challenge the same.
28. The failure of either party to insist on one or more occasions on the strict performance or compliance with any term or provision of this Agreement shall not be deemed a waiver or relinquishment in the future of the enforcement thereof, and it shall continue in full force and effect unless waived or relinquished in writing by the party seeking to enforce the same.
29. No term or provision of this Agreement shall be interpreted for or against any party because that party or that party's legal representative drafted the provision.
30. If any section, paragraph, clause or provision of this Agreement is adjudged by a court, agency or authority of competent jurisdiction to be invalid, illegal or otherwise unenforceable, all remaining parts of this Agreement shall remain in full force and effect and the parties shall be bound thereby so long as principal purposes of this Agreement remain enforceable.
31. A modification or waiver of any of the provisions of this Agreement shall be effective only if made in writing and executed with the same formality as this Agreement. Modifications to the Agreement shall be included in Appendix B.

32. The Construction Coordinator agrees to promptly indemnify, defend, save and hold harmless the DEPARTMENT and all of its officers, agents and employees from and pay all demands, claims, judgments, liabilities, damages, fines, fees, taxes, assessments, penalties, costs, expenses, attorneys' fees and suits of any nature or kind whatsoever caused by, or arising out of or related to the performance or breach of this Agreement by the Construction Coordinator, including, without limitation, performance of the Project within the DEPARTMENT'S right of way. The term "liabilities" shall specifically include, without limitation, any act, action, neglect or omission by the Construction Coordinator, its officers, agents, employees or representatives in any way pertaining to this Agreement, whether direct or indirect, except that neither the Construction Coordinator nor any of its officers, agents, employees or representatives will be liable under this provision for damages arising out of injury or damages directly caused or resulting from the sole negligence, intentional or wrongful acts of the DEPARTMENT or any of its officers, agents or employees. The Construction Coordinator shall notify the DEPARTMENT in writing immediately upon becoming aware of such liabilities. The Construction Coordinator's inability to evaluate liability, or its evaluation of liability, shall not excuse performance of the provisions of this paragraph. The indemnities assumed by the Construction Coordinator shall survive termination of this Agreement. The insurance coverage and limits required in this Agreement may or may not be adequate to protect the DEPARTMENT and such insurance coverage shall not be deemed a limitation on the Construction Coordinator's liability under the indemnities granted to the DEPARTMENT in this Agreement.
33. The Construction Coordinator shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Construction Coordinator during the term of the contract; and
34. The Construction Coordinator shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.
35. The Construction Coordinator shall allow public access to all documents, papers, letters, or other material subject to the provisions of Chapter 119, Florida Statutes, and made or received by the Construction Coordinator in conjunction with this Agreement. Specifically, if the Construction Coordinator is acting on behalf of a public agency the Construction Coordinator shall:
 - A. Keep and maintain public records that ordinarily and necessarily would be required by the DEPARTMENT in order to perform the services being performed by the Construction Coordinator.
 - B. Provide the public with access to public records on the same terms and conditions that the DEPARTMENT would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
 - C. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.
 - D. Meet all requirements for retaining public records and transfer, at no cost, to the DEPARTMENT all public records in possession of the Construction Coordinator upon termination of the contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the DEPARTMENT in a format that is compatible with the information technology systems of the DEPARTMENT. Failure by the Construction Coordinator to grant such public access shall be grounds for immediate unilateral cancellation of this Agreement by the DEPARTMENT. The Construction Coordinator shall promptly provide the DEPARTMENT with a copy of any request to inspect or copy public records in possession of the Construction Coordinator and shall promptly provide the DEPARTMENT a copy of the Construction Coordinator's response to each such request.

IF THE CONSTRUCTION COORDINATOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONSTRUCTION COORDINATOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

Central Office
850-414-5355
COprcustodian@dot.state.fl.us
Office of the General Counsel
Florida Department of Transportation
605 Suwannee Street, MS 58
Tallahassee, FL 32399-0458

CONSTRUCTION COORDINATOR CONTACT INFORMATION:

Name Rick Wilson Title Board of County Commissioner & Chairman
Office No. 863-534-6000 Cell _____ Email rickwilson@polk-county.net
Address 300 W Church Street, Bartow Florida 33830

DEPARTMENT CONTACT INFORMATION:

Name Joseph Smothers Title Permit Coordinator II
Office No. 863-519-4314 Cell 863-307-5699 Email joseph.smothers@dot.state.fl.us
Address 2740 State Road 60 W, Bartow, FL 33830

IN WITNESS WHEREOF, Construction Coordinator and the DEPARTMENT have executed this Agreement for the purposes herein expressed on the dates indicated below.

CONSTRUCTION COORDINATOR

By: _____ (Signature)
Martha Santiago (Print Name)
Board of County Commissioner & Chairman (Title)

(Date)

DEPARTMENT OF TRANSPORTATION

By: _____ (Signature)
Jonathan M. Sands, P.E. (Print Name)
District Maintenance Engineer (Title)

(Date)

Legal Review:

Kristen Etheridge, District Permits Manager
Scott Ellis PE, Deputy Maintenance Engineer

Appendix B

This is an amendment to the Construction Agreement No. 2023-C-190-00005 ("Agreement") made and entered into between the STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ("DEPARTMENT") and POLK COUNTY, a political subdivision of the State of Florida, ("Construction Coordinator") with an effective date of _____, 2026. The DEPARTMENT and the Construction Coordinator may be referred to individually as a "Party" and collectively as the "Parties".

Pursuant to the requirements of Paragraph 31 of the Construction Agreement (the "Agreement"), the Parties have agreed to modify the Agreement as follows:

The following clause replaces Paragraph 20 of the Agreement in its entirety:

20. Nothing in this Agreement shall be deemed or otherwise interpreted as waiving the DEPARTMENT'S or the Construction Coordinator sovereign immunity protections, or as increasing the limits of liability as set forth in Section 768.28, Florida Statutes. The DEPARTMENT'S liability for breach of this Agreement is limited in the amount and shall not exceed the limitations of liability tort actions as set forth in Section 768.28(5), Florida Statutes.

The following clause replaces Paragraph 32 of the Agreement in its entirety:

32. To the extent provided by law, Construction Coordinator shall indemnify, defend, and hold harmless the Department, its officers, agents, or employees, against any actions, claims, or damages arising out of, relating to, or resulting from negligent or wrongful acts of Construction Coordinator, or any of its officers, agents, or employees, acting within the scope of their office or employment, in connection with the rights granted to or exercised by Construction Coordinator hereunder, to the extent and within the limitations of Section 76.828, Florida Statutes. The foregoing indemnification shall not constitute a waiver of the Department's or Construction Coordinator's sovereign immunity beyond the limits set forth in Section 76.828, nor shall the same be construed to constitute agreement by Construction Coordinator to indemnify the Department for the negligent acts or omissions of the Department, its officers, agents, or employees, or for the acts of third parties. Nothing herein shall be construed as consent by Construction Coordinator to be sued by third parties in any manner arising out of this Agreement. This indemnification shall survive the termination of this Agreement. The insurance coverage or limits in such coverage shall not be deemed a limitation on the Construction Coordinators requirement to indemnify the Department in accordance with this provision.

IN WITNESS WHEREOF, the Parties have executed this Agreement by their duly authorized representatives on the date above written.

POLK COUNTY

a political subdivision of the State of Florida

By: _____

Title: _____

ATTEST:

By: _____

Title: _____

APPROVED AS TO FORM

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

By:

Title:

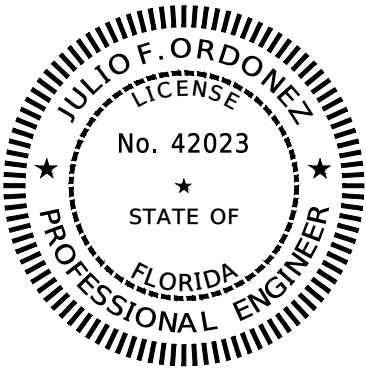
I. Scope of Services

SR 620/Recker Highway: The Polk County Roads and Drainage Division will be constructing a new sidewalk along the west R/W line of Cooley Road, from Normandy Heights Drive to SR 620/Recker Highway. This sidewalk will connect to the existing sidewalk along the south side of SR 620 and will require reconstruction of two existing curb cut ramps within FDOT R/W.

II. Project Plans

The agency is authorized to install the project in accordance with the attached plans prepared by Julio Ordóñez, P.E. dated 12/22/2025. Any revisions to these plans must be approved by the Department in writing.

THIS ITEM HAS BEEN DIGITALLY SIGNED
AND SEALED BY:



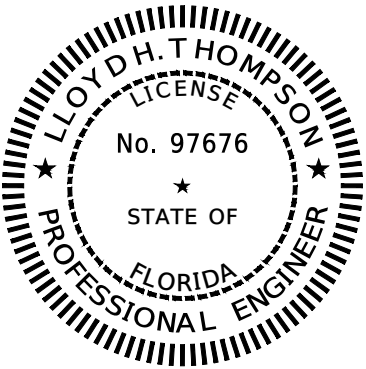
ON THE DATE ADJACENT TO THE SEAL
SIGNATURE MUST BE VERIFIED ON ANY
ELECTRONIC COPIES.

HNTB CORPORATION
201 N FRANKLIN STREET, STE 1200
TAMPA, FL 33602
JULIO F. ORDONEZ, P.E. 42023

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR
THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
01	KEY SHEET
02	SIGNATURE SHEET
03	SUMMARY OF PAY ITEMS
04-05	TYPICAL SECTIONS
06	GENERAL NOTES
07-09	ROADWAY PLANS
14	MISCELLANEOUS DRAINAGE DETAILS
15-27	CROSS SECTIONS
28	TEMPORARY TRAFFIC CONTROL PLANS
29	TEMPORARY TRAFFIC CONTROL DETOUR PLAN
30-32	UTILITY ADJUSTMENTS
33-36	VERIFIED UTILITY LOCATE SHEET
37-39	SIGNING AND PAVEMENT MARKING
40	PROFILE DETAIL SHEET
41	INTERSECTION DETAIL

THIS ITEM HAS BEEN DIGITALLY SIGNED
AND SEALED BY:



ON THE DATE ADJACENT TO THE SEAL
SIGNATURE MUST BE VERIFIED ON ANY
ELECTRONIC COPIES.

HNTB CORPORATION
201 N FRANKLIN STREET, STE 1200
TAMPA, FL 33602
LLOYD H. THOMPSON, P.E. 97676

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR
THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
02	SIGNATURE SHEET
10-13	DRAINAGE STRUCTURES

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

POLK COUNTY
ROADS AND DRAINAGE

APPROVED BY: DATE:

SIGNATURE SHEET

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF ROADWAY			
PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY
0101 1	MOBILIZATION	LS	1
0102 1	MAINTENANCE OF TRAFFIC	LS	1
0104 10 3	SEDIMENT BARRIER	LF	668
0104 11	FLOATING TURBIDITY BARRIER	LF	50
0104 12	STAKED TURBIDITY BARRIER-NYLON REINFORCED PVC	LF	419
0104 15	SOIL TRACKING PREVENTION DEVICE	EA	1
0104 18	INLET PROTECTION SYSTEM	EA	1
0110 1 1	CLEARING AND GRUBBING	AC	0.4
0120 1	REGULAR EXCAVATION	CY	321
0120 6	EMBANKMENT	CY	284
0160 4	TYPE B STABILIZATION	SY	491
0285701	OPTIONAL BASE, BASE GROUP 01 (4", TYPE 12.5)	SY	268
0285709	OPTIONAL BASE, BASE GROUP 09 (6", TYPE 12.5)	SY	223
0327 70 6	MILLING EXISTING ASPHALT PAVEMENT, 1 ½" AVG. DEPTH	SY	843
0334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C	TN	58.0
0337 7 83	ASPHALTIC CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5 (1.5")	TN	88.1
0425 1351	INLETS, CURB, TYPE P-5, <10'	EA	3
0425 1531	INLETS, DITCH BOTTOM, TYPE C MODIFIED- BACK OF SIDEWALK, <10'	EA	1
0425 1910	INLETS, CLOSED FLUME	EA	2

PAY ITEM NOTES:

1. CONSTRUCTION LAYOUT AND RECORD AS-BUILT PLANS ARE INCIDENTAL TO MOBILIZATION, PAY ITEM 101-1.
2. ALL TEMPORARY TRAFFIC CONTROL WORK IS INCLUDED IN THE MAINTENANCE OF TRAFFIC, PAY ITEM 0102-01.
3. LITTER REMOVAL, MOWING, REMOVAL ON CONCRETE SIDEWALK AND CURB & GUTTER AND TREE REMOVAL (AS SHOWN ON SHEET 8) ARE INCIDENTAL TO THE CLEARING & GRUBBING PAY ITEM 0110-1-1.
4. IT INCLUDES 222 S.Y. OF MILLING EXISTING ASPHALT PAVEMENT AT THE LOCATION OF THE OPEN TRENCH CULVERT REPLACEMENT, 1 ½" AVG. DEPTH, PAY ITEM 0327-70-6.
5. IT INCLUDES APPROXIMATELY 18.3 TONS OF ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5 AT THE LOCATION OF THE OPEN TRENCH CULVERT REPLACEMENT, 1 ½" AVG. DEPTH, PAY ITEM 0337-7-83.
6. PAVEMENT REMOVAL AND REPLACEMENT FOR THE OPEN TRENCH ON COOLEY ROAD AT THE LOCATION OF THE EXISTING 18" CORRUGATED METAL PIPE CULVERT REPLACEMENT, TO BE CONSTRUCTED PER F.D.O.T. INDEX 125-001. THE COST IS INCIDENTAL TO THE CULVERT INSTALLATION.
7. REMOVE & RECONSTRUCT EXISTING PAVEMENT TWO FEET (2') WIDE ALONG THE WEST SIDE OF COOLEY ROAD, FROM STA. 102+50.00 TO 112+54.71. COST OF REMOVAL AND SAW CUTTING THE EXISTING PAVEMENT ARE INCIDENTAL TO CLEARING & GRUBBING PAY ITEM.
8. TESTING OF PAVEMENT RECONSTRUCTION IS REQUIRED AND IS TO BE INCLUDED IN COST OF INCIDENTAL PAY ITEMS.
9. ALL MILLING & RESURFACING AT NORMANDY DRIVE, THE 18" C.M.P. CULVERT REPLACEMENT AND THE COOLEY ROAD AT S.R. 620 INTERSECTION ARE INCLUDED IN THE MILLING EXISTING ASPHALT PAVEMENT, 1 ½" AVG. DEPTH, PAY ITEM 0327-70-6.
10. COST OF MODIFIED INLET, INCLUDING THE TURN-DOWN SLABS PER DETAIL ON SHEET 14, IS INCLUDED IN THE CONTRACT UNIT PRICE FOR "INLETS, DITCH BOTTOM, TYPE C MODIFIED - BACK OF SIDEWALK, <10' PAY ITEM NUMBER 0425 1531.

SUMMARY OF ROADWAY			
PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY
0425 2 41	MANHOLES, P-7, <10'	EA	2
0430175118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"S/CD	LF	183
0430175218	PIPE CULVERT, OPTIONAL MATERIAL, OTHER-ELIP/ARCH, 18"S/CD	LF	252
0430982125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA	1
0430982625	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 18" CD	EA	2
0515 1 2	PIPE HANDRAIL - GUIDERAIL, ALUMINUM	LF	17
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	1073
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	734
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	60
0527 2	DETECTABLE WARNINGS	SF	53
0530 3 4	RIPRAP, RUBBLE, F&I, DITCH LINING	TN	21.5
0530 74	BEDDING STONE	TN	15.5
0570 1 2	PERFORMANCE TURF, SOD	SY	1614
0700 1 50	SINGLE POST SIGN, RELOCATE	AS	6
0700 3101	SINGLE PANEL, FURNISH & INSTALL GROUND MOUNT, UP TO 12 SF	AS	1
0706 1 3	RAISED PAVEMENT MARKER, TYPE B	EA	15
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	314
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	18
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	262
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.245
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.032
0999 25	INITIAL CONTINGENCY AMOUNT, DO NOT BID	LS	1

REVISIONS

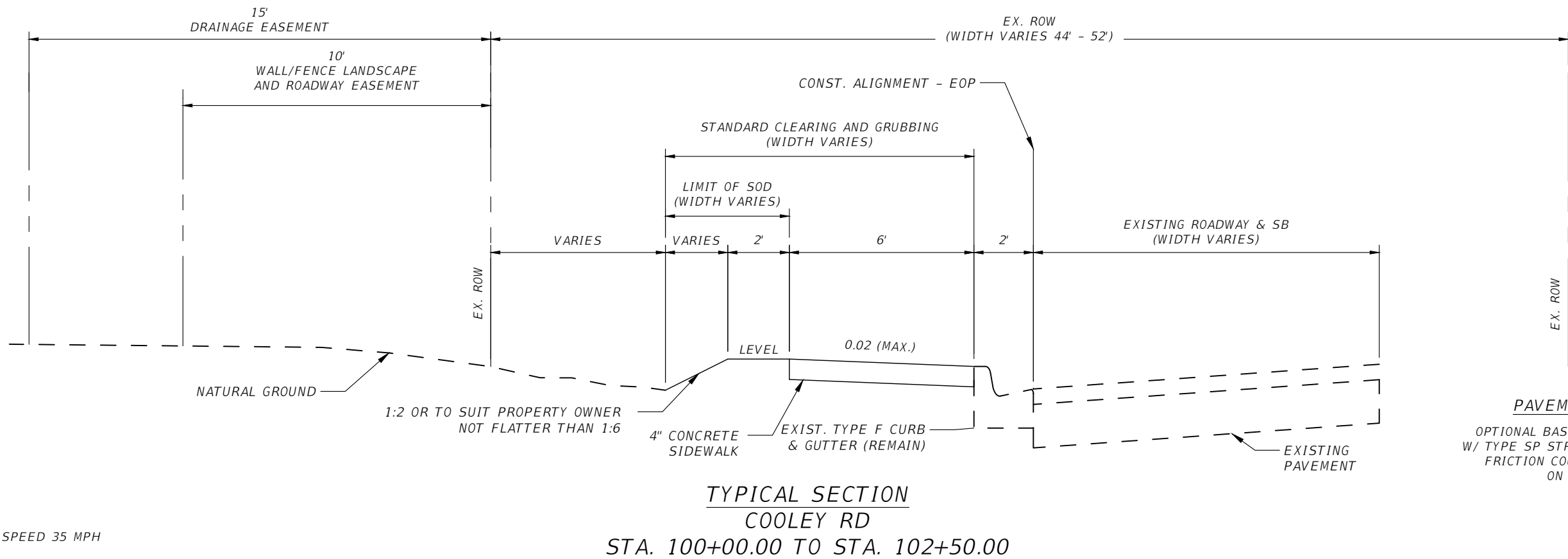
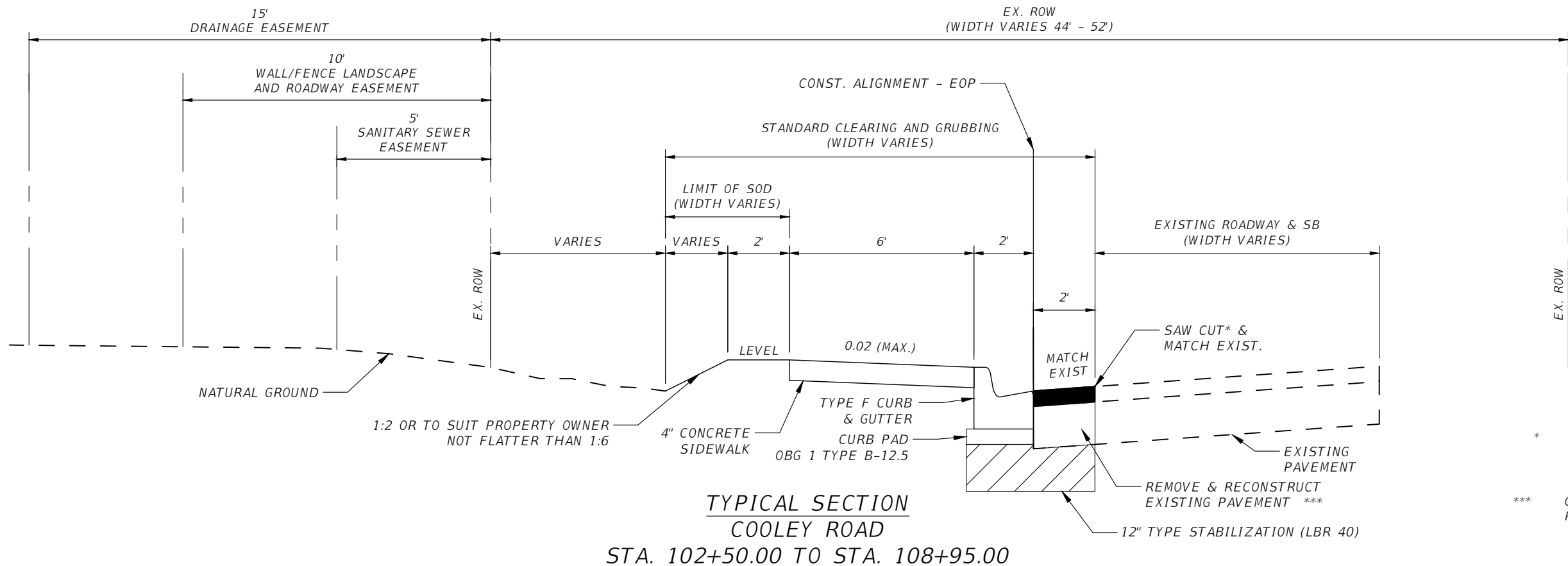
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JULIO F. ORDONEZ, P.E.
FLORIDA P.E. LICENSE NUMBER 42023
HNTB CORPORATION
201 N FRANKLIN STREET, STE 1200
TAMPA, FL 33602

POLK COUNTY
ROADS AND DRAINAGE

APPROVED BY: DATE:

SUMMARY OF PAY ITEMS



DESIGN SPEED 35 MPH

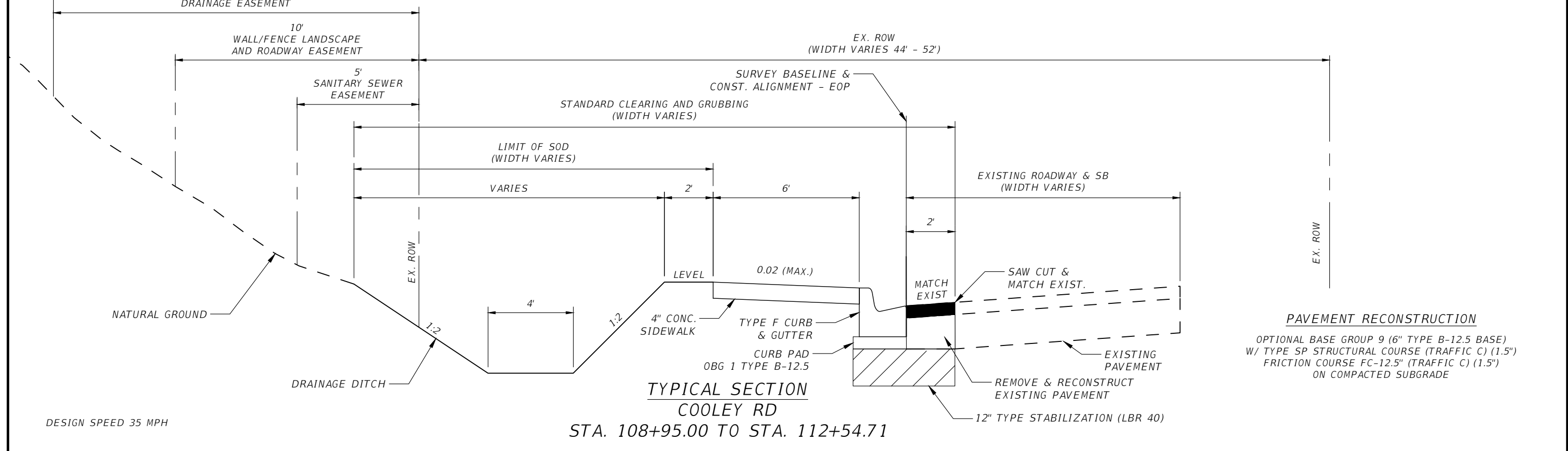
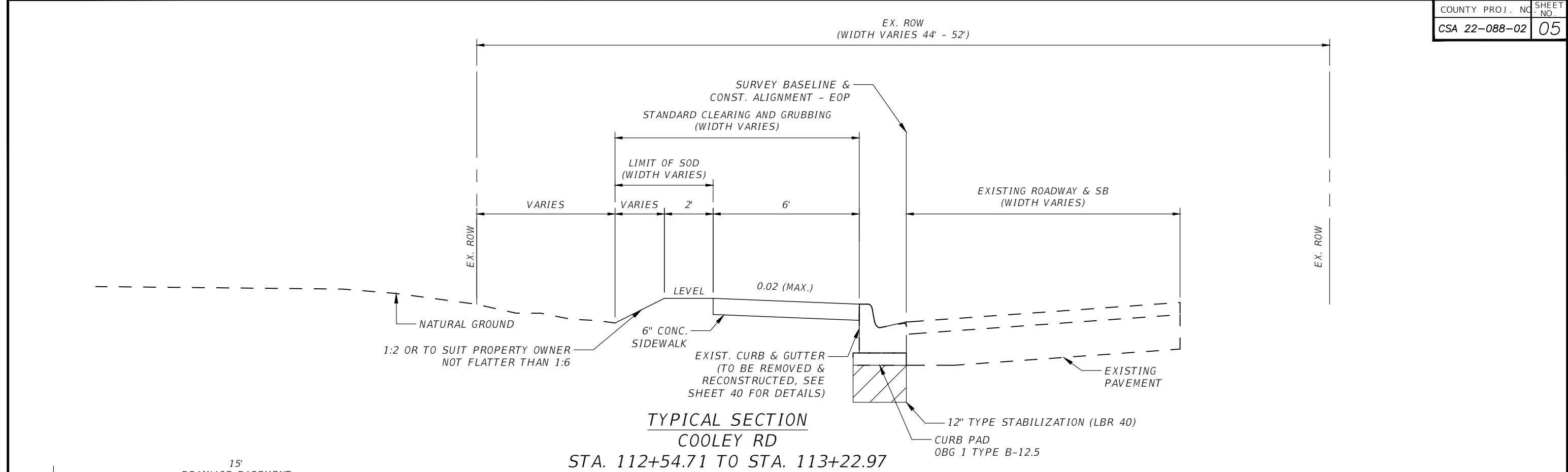
REVISIONS

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

JULIO F. ORDONEZ, P.E.
FLORIDA P.E. LICENSE NUMBER 42023
HNTB CORPORATION
201 N FRANKLIN STREET, STE 1200
TAMPA, FL 33602

POLK COUNTY ROADS AND DRAINAGE	
APPROVED BY:	DATE:

TYPICAL SECTION 01



DESIGN SPEED 35 MPH

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JULIO F. ORDONEZ, P.E. FLORIDA P.E. LICENSE NUMBER 42023 HNTB CORPORATION 201 N FRANKLIN STREET, STE 1200 TAMPA, FL 33602		POLK COUNTY ROADS AND DRAINAGE APPROVED BY: DATE:		TYPICAL SECTION 02	
---	--	--	--	--------------------	--

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

GENERAL NOTES:

1. ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), PER POLK COUNTY TOPOGRAPHIC SURVEY.

2. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.

3. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY COUNTY SURVEYING AND MAPPING, WITHOUT DELAY, BY TELEPHONE. CONTACT MR. RICHARD NOLAND AT (863) 535-2262.

4. EXISTING DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REPLACED AT THE SAME LOCATION, WIDTH, AND ELEVATION UNLESS OTHERWISE SHOWN IN THE PLANS.

5. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.

6. CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS OF ALL EXISTING UTILITIES WITHIN PROJECT LIMITS PRIOR TO CONSTRUCTION AND COORDINATING WITH UTILITY AGENCY OWNERS (U.A.O's) ON ANY NECESSARY RELOCATION.

7. NOTIFY ALL UTILITY COMPANIES IN THE AREA AT LEAST 48 HOURS PRIOR TO CONSTRUCTION AND CALL THE SUNSHINE STATE ONE CALL AT 1-800-432-4770.

8. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED. ALL UTILITIES THAT ARE TO REMAIN AND THAT ARE AFFECTED BY THE PROJECT SHALL BE ADJUSTED SUCH THAT THE TOPS MATCH FINISHED GRADE.

9. UTILITY/AGENCY OWNERS:

COMPANY

CENTURYLINK – BFOC

CITY OF WINTER HAVEN, UTILITIES-WATER & SEWER

FLORIDA PUBLIC UTILITIES – GAS MAIN

CHARTER COMMUNICATIONS – CATV

FRONTIER COMMUNICATIONS – BT, BFOC, &CATV

TAMPA ELECTRIC COMPANY – ELECTRIC

CONTACT

JIM RICKARD

PEDRO A. BERRIOS

EDD LALO

GARY BLEVINS

MATTHEW RHINE

LORENZO JONES

TELEPHONE

(888) 265-2283

(863) 289-3379

(352) 232-3072

(813) 302-0800

(813) 659-7758

(813) 275-3427

10. PROMPTLY REPORT ALL FIELD CHANGES TO THE ENGINEER.

11. IT IS THE RESPONSIBILITY OF THE CONTRACTOR THAT ALL CONSTRUCTION LAYOUT, AND STAKING ARE PERFORMED UNDER THE SUPERVISION OF A FLORIDA REGISTERED LAND SURVEYOR.

12. MAINTAIN EXISTING TRAFFIC/ACCESS, EXISTING DRAINAGE AND EXISTING UTILITIES DURING CONSTRUCTION, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

13. CONSTRUCTION STAKING IS CONTRACTOR'S RESPONSIBILITY TO PROVIDE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THESE SERVICES DURING CONSTRUCTION.

14. PRIOR TO INCORPORATION INTO THE PROJECT, A CERTIFICATION FROM THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES DIVISION OF PLANT INDUSTRY, STATING THAT THE SOD, HAY, STRAW, AND MULCH MATERIALS ARE FREE OF NOXIOUS WEEDS, INCLUDING TROPICAL SODA APPLE, SHALL BE FURNISHED TO THE COUNTY PROJECT MANAGER. ALL SOD MATERIALS SHALL BE SUBJECT TO INSPECTION BY THE COUNTY OR APPOINTED REPRESENTATIVE PRIOR TO PLACEMENT. ANY SOD WITH NOXIOUS WEEDS AND GRASSES, INCLUDING TROPICAL SODA APPLE, SHALL BE REJECTED FOR USE ON THE PROJECT.

15. AT THE COMPLETION OF THIS PROJECT ALL DISTURBED SURFACES SHALL BE COVERED BY SOD.

16. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING CONVEYANCES AND DRAINAGE CONNECTIONS WITHIN THE PROJECT LIMITS AT ALL TIMES.

17. REPLACE ANY EXISTING SIDE STREET MARKINGS OBLITERATED DURING CONSTRUCTION.

18. ALL EXISTING TREES WITHIN RIGHT OF WAY ARE TO BE TRIMMED TO MAINTAIN TEN (10) FEET VERTICAL CLEARANCE AND TWO (2) FEET HORIZONTAL CLEARANCE FROM PROPOSED SIDEWALK, INCIDENTAL TO CLEARING & GRUBBING.
19. EXISTING TREES TO BE REMOVED SHALL HAVE THE TRUNK AND ROOTS REMOVED OR GROUND AT LEAST 6 INCHES BELOW BOTTOM OF PROPOSED IMPROVEMENTS, AND THE EXISTING BOULDERS SHOWN ON SHEET 8 TO BE REMOVED AND DISPOSED OF, INCIDENTAL TO CLEARING & GRUBBING.

20. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS.

21. THE CONTRACTOR SHALL REMOVE ALL EXISTING CONFLICTING STRIPING IN ACCORDANCE WITH AN FDOT ACCEPTABLE METHOD.

21. THE CONTRACTOR SHALL REMOVE ALL EXISTING PAVEMENT, PIPE CULVERT, CONCRETE SIDEWALK AND CURB & GUTTER AS IDENTIFIED IN THESE PLANS, IN ACCORDANCE WITH AN FDOT ACCEPTABLE METHOD. THE COST OF ALL REMOVALS TO BE INCLUDED IN THE COST OF CLEARING & GRUBBING.

22. CAUTION SHOULD BE EXERCISED WHILE RELOCATING EXISTING SIGNS SO AS TO PREVENT DAMAGE TO THE SIGNS. IF THE SIGNS ARE DAMAGED BEYOND USE, AS DETERMINED BY THE ENGINEER, THEY SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

23. ALL TREE REMOVAL SHALL BE INCLUDED AS PART OF CLEARING AND GRUBBING UNLESS OTHERWISE DIRECTED BY POLK COUNTY.

24. ALL STORM SEWER CULVERTS TO BE REINFORCED CONCRETE PIPE, PER POLK COUNTY DIRECTIVE.

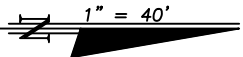
25. THE CONTRACTOR IS REQUIRED TO COORDINATE ALL EXISTING LANDSCAPING AND IRRIGATION SYSTEMS WITHIN THE WORK AREA WITH PROPERTY OWNERS, AS PART OF CLEARING AND GRUBBING.

26. ERECT EROSION CONTROL DEVICES PRIOR TO LAND ALTERATIONS, MAINTAIN THEM DURING CONSTRUCTION, AND REMOVE THEM FOLLOWING SOIL STABILIZATION AND FINAL DRESSING. INSTALL EROSION CONTROL DEVICES AS REQUIRED BY ACTUAL SITE CONDITIONS TO REFLECT PROJECT PHASING REQUIREMENTS, AND AS DIRECTED BY THE COUNTY'S ENGINEER.

27. THE CONTRACTOR SHALL ADJUST ALL VALVE BOXES, MANHOLES, AND SIMILAR UTILITY FIXTURES WITHIN THE LIMITS OF THE SIDEWALK, INCIDENTAL TO THE SIDEWALK CONSTRUCTION.

28. REFER TO WATER AND SEWER RELOCATIONS PLANS BY ATKINSREALIS DATED 09/23/2025.

29. ALL WORK WITHIN THE F.D.O.T. RIGHT-OF WAY MUST MEET CRITERIA SHOWN IN THE F.D.O.T. DESIGN MANUAL AND F.D.O.T. STANDARD PLANS FOR ROAD CONSTRUCTION.
- TYPICAL SECTION NOTES:
1. EXISTING CONCRETE CURB & GUTTER FROM STA. 100+39.23 TO STA. 102+50.00 IS TO REMAIN.
- REVISIONS
- | DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|------|----|-------------|------|----|-------------|------|----|-------------|------|----|-------------|
| | | | | | | | | | | | |
- JULIO F. ORDONEZ, P.E.
FLORIDA P.E. LICENSE NUMBER 42023
HNTB CORPORATION
201 N FRANKLIN STREET, STE 1200
TAMPA, FL 33602
- POLK COUNTY
ROADS AND DRAINAGE
- APPROVED BY: DATE:
- GENERAL NOTES
- | | |
|------------------|-----------|
| COUNTY PROJ. NO. | SHEET NO. |
| CSA 22-088-02 | 06 |
- THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MILLING & RESURFACING (1" MIN.) UP TO 95
S.Y. OF EXIST. PAVEMENT & OVERLAY (2"
AVG) /RESURFACE WITH SP 12.5 (10 TN)
(SEE PROFILE DETAILS ON SHEET 39)

INSTALL DETECTABLE
WARNING SURFACE
+00.97
34.68 RT.

RELOCATE STOP SIGN
(SEE SHEET 36)

BEGIN CURB RAMP
+00.96
51.06 RT.

END NEW SIDEWALK
TIE TO EXISTING
+01.38
56.43 RT.

BEGIN NEW SIDEWALK
TIE TO EXISTING
+01.76
60.90 RT.

+03.50
61.05 RT.

REMOVE EXISTING SIDEWALK
REPLACE WITH SOD
+03.50
61.05 RT.

CURVE DATA ALIGNMENT - EOP
PI STA = 100+22.73
DELTA = 072° 01' 36"
T = 22.73
L = 39.30
R = 31.26
PC STA. 100+00.00
PT STA = 100+39.30

NORMANDY
HEIGHTS DRIVE

BEGIN CONSTRUCTION
BEGIN PROJECT
BEGIN TYPE F C&G
TIE TO EXIST
100+00.00
0.00
N = 1332879.144
E = 736306.219

15' DRAINAGE
EASEMENT

10' WALL/FENCE
LANDSCAPE AND
ROADWAY EASEMENT

EXIST. TREE
(TO BE REMOVED)

EXIST. BUSH
(TO BE REMOVED)

BEGIN SIDEWALK
BEGIN TYPE D CURB
+17.90
2.00 LT

INSTALL DETECTABLE
WARNING SURFACE
+20.94
3.10 LT.

CR-G
END TYPE D CURB
+39.23
8.00 LT.

6' CONC. SIDEWALK
EXIST. TREE
(TO BE REMOVED)
CONST. 74 LF OF
SEDIMENT BARRIER

BEGIN
DROP CURB
+28.48
2.00 LT.

CP #45004
SIRC 1/2" "POLK CO." V
N = 1332871.60
E = 736367.09
ELEV = 140.32

END TYPE F C&G
TIE TO EXISTING
+39.51
2.00' LT.

END DROP CURB
BEGIN TYPE F C&G
TIE TO EXISTING
+33.98
2.00 LT.

CURVE DATA ALIGNMENT - EOP
PI STA = 101+52.57
DELTA = 000° 29' 29"
T = 113.26
L = 226.53
R = 26406.09
PC STA. 100+39.30
PT STA = 102+65.83

15' DRAINAGE
EASEMENT

10' WALL/FENCE
LANDSCAPE AND
ROADWAY EASEMENT

EXIST. TREE
(TO BE REMOVED)

EXIST. BUSH
(TO BE REMOVED)

BEGIN SIDEWALK
BEGIN TYPE D CURB
+17.90
2.00 LT

INSTALL DETECTABLE
WARNING SURFACE
+20.94
3.10 LT.

CR-G
END TYPE D CURB
+39.23
8.00 LT.

6' CONC. SIDEWALK
EXIST. TREE
(TO BE REMOVED)
CONST. 74 LF OF
SEDIMENT BARRIER

BEGIN
DROP CURB
+28.48
2.00 LT.

CP #45004
SIRC 1/2" "POLK CO." V
N = 1332871.60
E = 736367.09
ELEV = 140.32

END TYPE F C&G
TIE TO EXISTING
+39.51
2.00' LT.

END DROP CURB
BEGIN TYPE F C&G
TIE TO EXISTING
+33.98
2.00 LT.

CURVE DATA ALIGNMENT - EOP
PI STA = 101+52.57
DELTA = 000° 29' 29"
T = 113.26
L = 226.53
R = 26406.09
PC STA. 100+39.30
PT STA = 102+65.83

CONST. ALIGNMENT - EOP

EX. ROW

EXIST. BUSH
(TO BE REMOVED)
5' SANITARY
SEWER ESMT.

CONST. 347 LF OF
SEDIMENT BARRIER

COOLEY ROAD

CURB ENDING
SAW CUT AND REMOVE
STA. 102+50
1.00 LT.

BEGIN TYPE F C&G
TIE TO EXIST
STA. 102+50

BEGIN 2' WIDE
PAVEMENT RECONSTRUCTION
STA. 102+50
2.00 RT.

CURVE DATA ALIGNMENT - EOP
PI STA = 102+93.37
DELTA = 007° 30' 48"
T = 27.53
L = 54.99
R = 419.33
PC STA. 102+65.83
PT STA = 103+20.82

MATCHLINE STA. 103+40.00

LEGEND



DETECTABLE WARNING



MILLING & RESURFACING, OVERBUILD (AVG 2")



EXISTING FLOWER BED

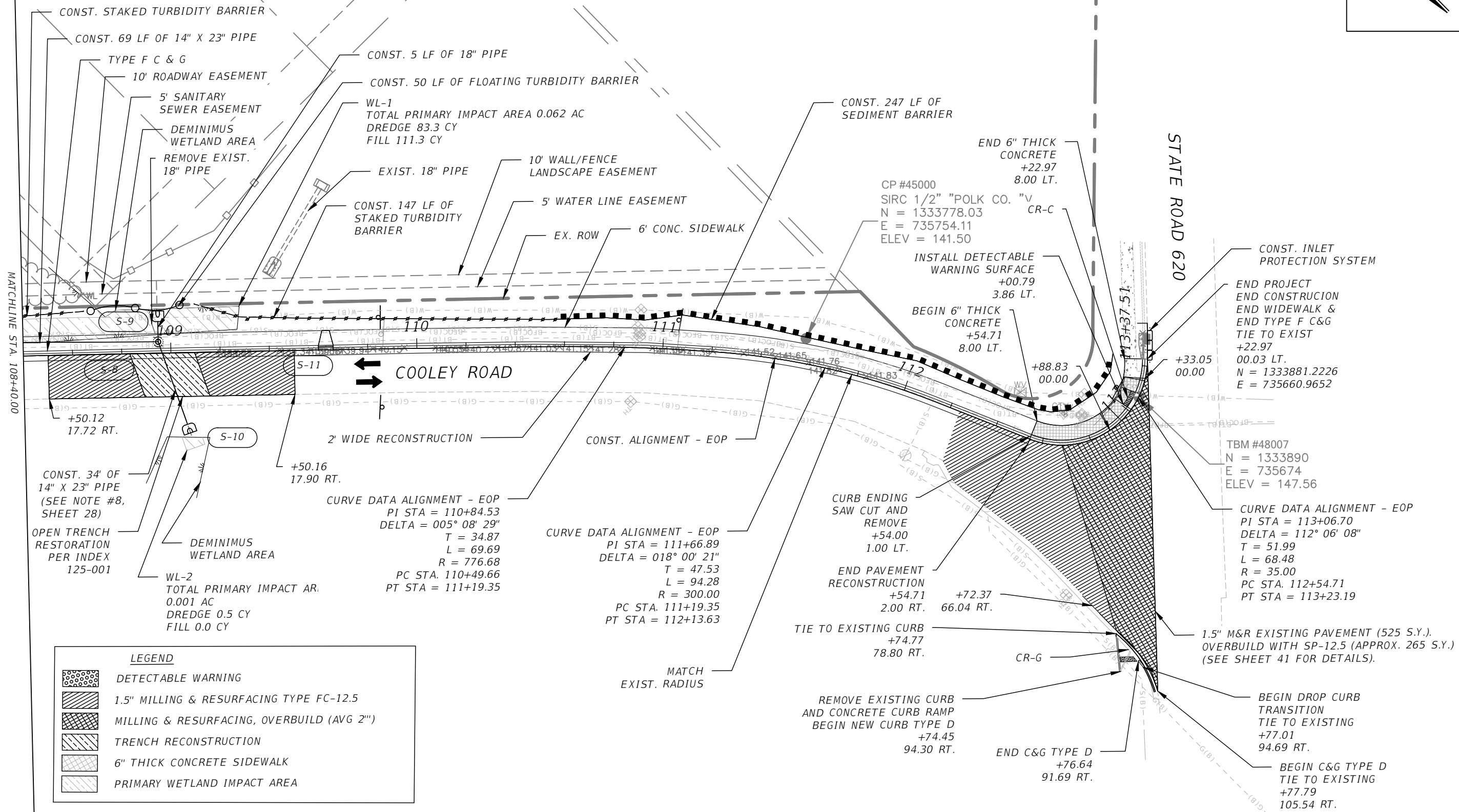
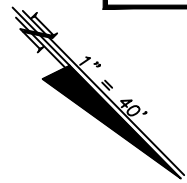
REVISIONS

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

JULIO F. ORDONEZ, P.E.
FLORIDAS P.E. LICENSE NUMBER 42023
HNTB CORPORATION
201 N FRANKLIN STREET, STE 1200
TAMPA, FL 33602

POLK COUNTY
ROADS AND DRAINAGE
APPROVED BY: DATE:

ROADWAY
PLAN



LEGEND

- DETECTABLE WARNING
- 1.5" MILLING & RESURFACING TYPE FC-12.5
- MILLING & RESURFACING, OVERBUILD (AVG 2")
- TRENCH RECONSTRUCTION
- 6" THICK CONCRETE SIDEWALK
- PRIMARY WETLAND IMPACT AREA

REVISIONS

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

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FLORIDA P.E. LICENSE NUMBER 42023
HNTB CORPORATION
201 N FRANKLIN STREET, STE 1200
TAMPA, FL 33602

POLK COUNTY
ROADS AND DRAINAGE
APPROVED BY: DATE:

ROADWAY
PLAN

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150

145

140

135

130

125

80

60

40

20

0

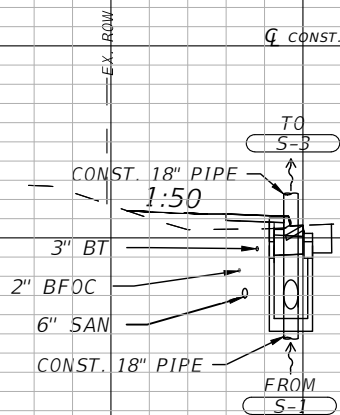
20

40

104+00.00

S-2

STA. 104+00.00 (1.25 LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-001, 425-010, 425-021
EOP EL. 140.66
FL 136.30 (AH.)
FL 136.30 (BK.)



150

145

140

135

130

125

80

60

40

20

0

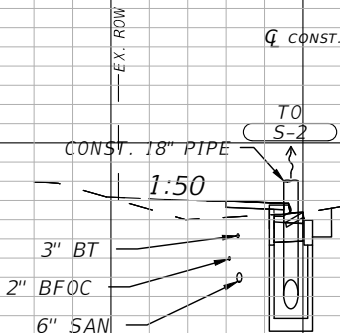
20

40

103+40.00

S-1

STA. 103+40.00 (1.25 LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-001, 425-010, 425-021
EOP EL. 141.39
FL 136.40 (AH.)



1" = 20' Horizontal
1" = 10' Vertical

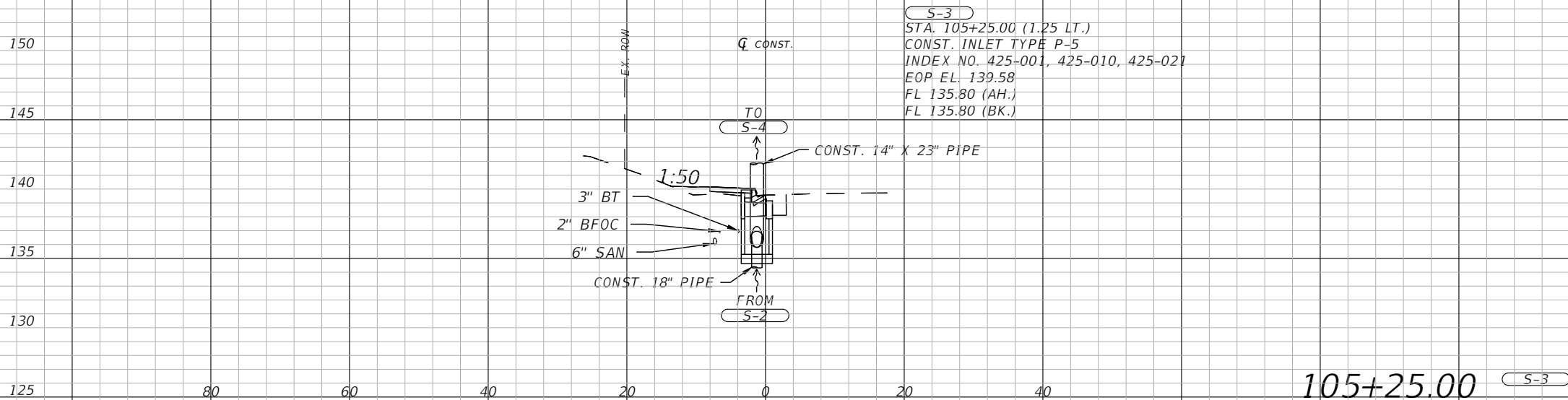
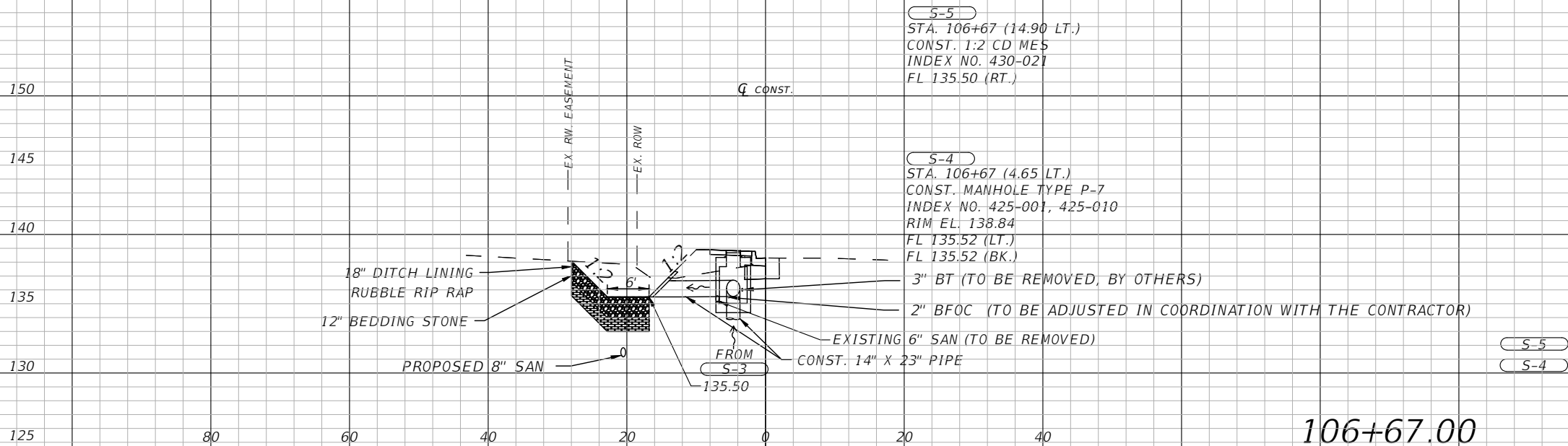
REVISIONS

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

LLOYD H. THOMPSON, P.E.
FLORIDA P.E. LICENSE NUMBER 97676
HNTB CORPORATION
201 N FRANKLIN STREET, STE 1200
TAMPA, FL 33602

POLK COUNTY
ROADS AND DRAINAGE
APPROVED BY: DATE:

DRAINAGE STRUCTURES



1" = 20' Horizontal
1" = 10' Vertical

REVISIONS

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FLORIDA P.E. LICENSE NUMBER 97676
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POLK COUNTY
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DRAINAGE STRUCTURES

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150

145

140

135

130

125

80

60

40

20

0

20

40

108+25.00

S-7

Q CONST.

S-7
STA. 108+25.00 (5.79 LT.)
TYPE C INLET (MODIFIED)
INDEX NO. 425-060
FL 135.33 (AH.)
(SEE SHEET 14 FOR DETAILS)

EX. RW. EASEMENT

EX. ROW

TO
S-8

CONST. 14" X 23" PIPE

135.33

11.8'

3" BT (TO BE REMOVED, BY OTHERS)

2" BFOC (TO BE ADJUSTED IN
COORDINATION WITH THE CONTRACTOR)

EXISTING 6" SAN (TO BE REMOVED, BY OTHERS)

PROPOSED 8" SAN

145

140

135

130

125

120

80

60

40

20

0

20

40

107+68.00

S-6

Q CONST.

S-6
STA. 107+68.00 (0.00 LT.)
CONST. CLOSED FLUME INLET DOUBLE BARREL TYPE I
INDEX NO. 425-061
EOP EL. 137.84

EX. RW. EASEMENT

EX. ROW

1:6

3" BT (TO BE REMOVED, BY OTHERS)

2" BFOC

EXISTING 6" SAN (TO BE REMOVED, BY OTHERS)

PROPOSED 8" SAN

1" = 20' Horizontal
1" = 10' Vertical

REVISIONS

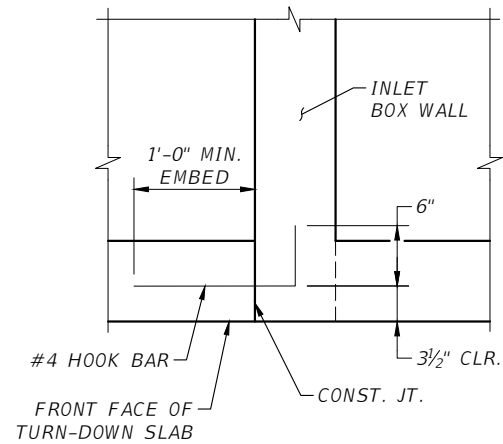
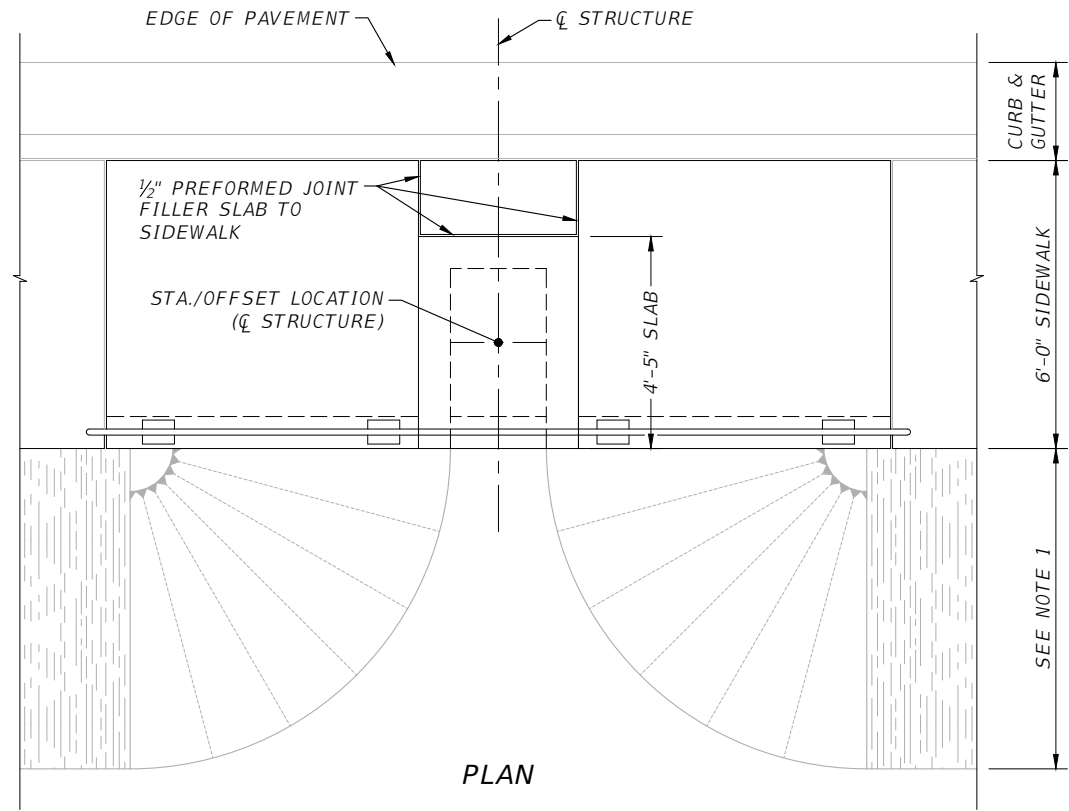
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201 N FRANKLIN STREET, STE 1200
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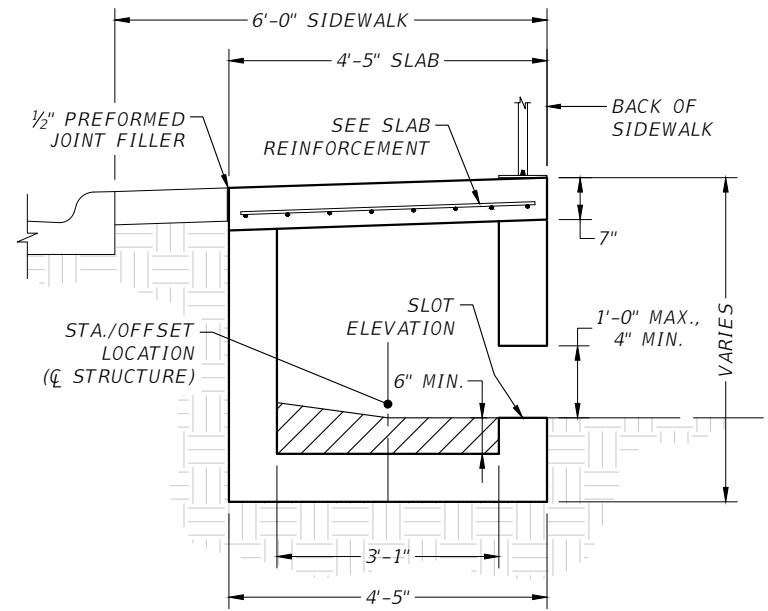
POLK COUNTY
ROADS AND DRAINAGE
APPROVED BY: DATE:

DRAINAGE STRUCTURES

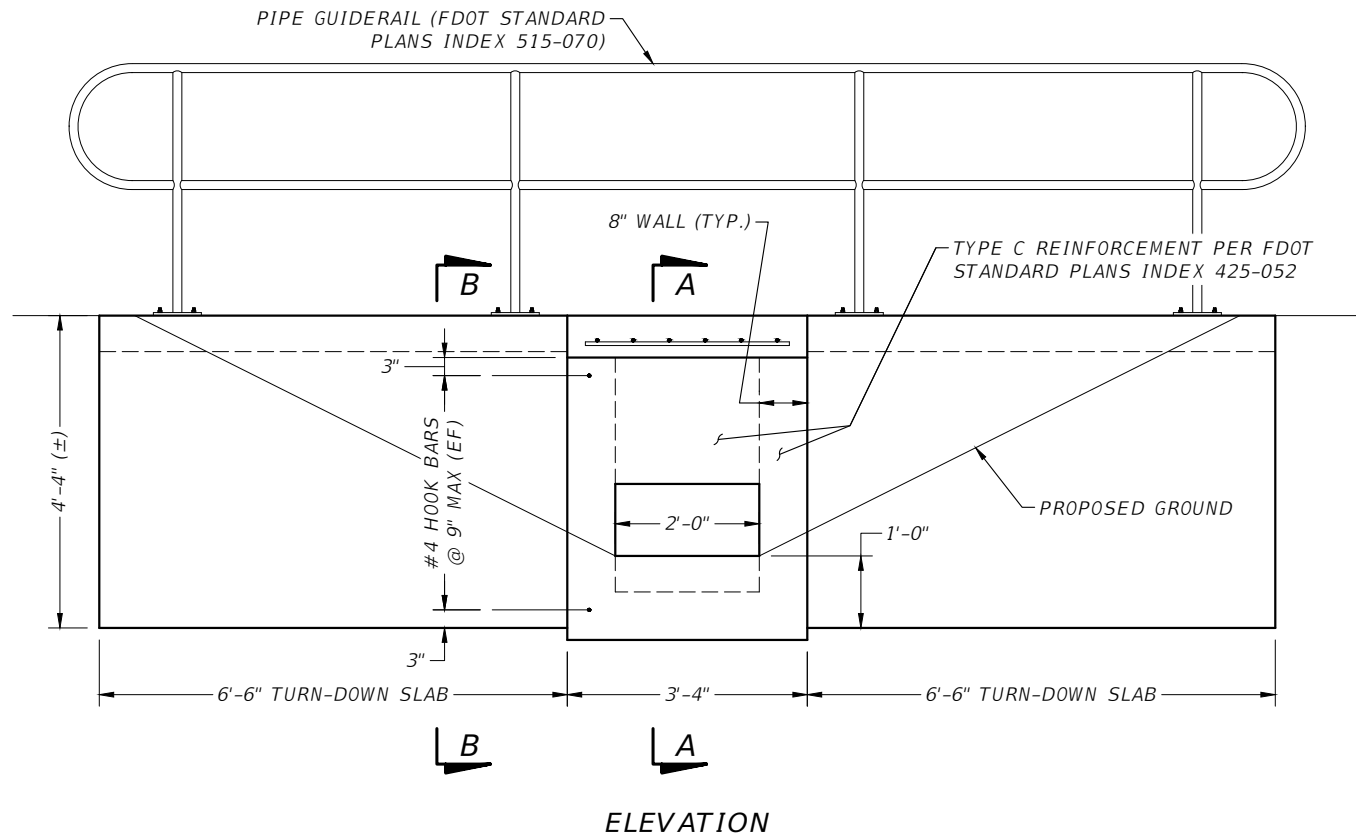
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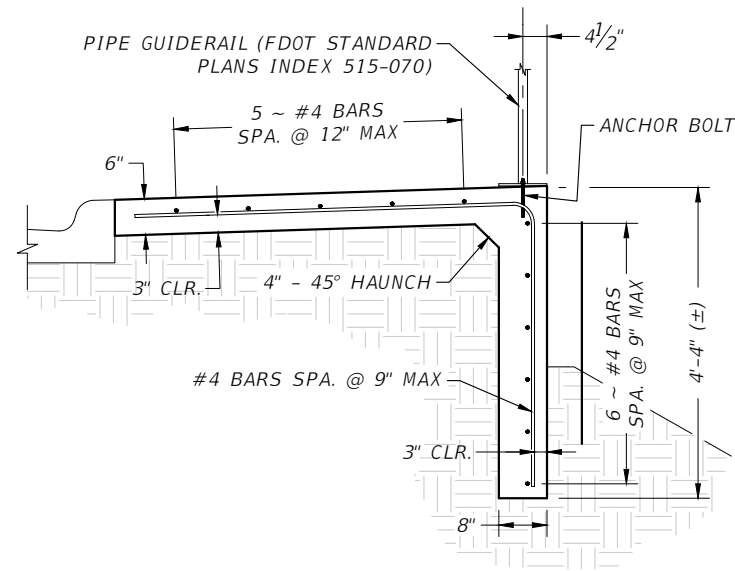
HOOK BAR DETAIL (PLAN)



SECTION A-A



- NOTES:
1. GRADE AND SOD BACK OF SIDEWALK AS DIRECTED BY THE ENGINEER. (SEE SHEET 12 FOR DETAILS)
 2. PIPE CONNECTION NOT SHOWN.
 3. FOR NOTES AND DETAILS NOT CONTAINED HEREIN, SEE FDOT STANDARD PLAN INDEX 425-060.
 4. USE CLASS II CONCRETE PER FDOT SPECIFICATION 346 FOR INLET.



SECTION B-B

MODIFICATIONS TO STANDARD PLANS, INDEX 425-060

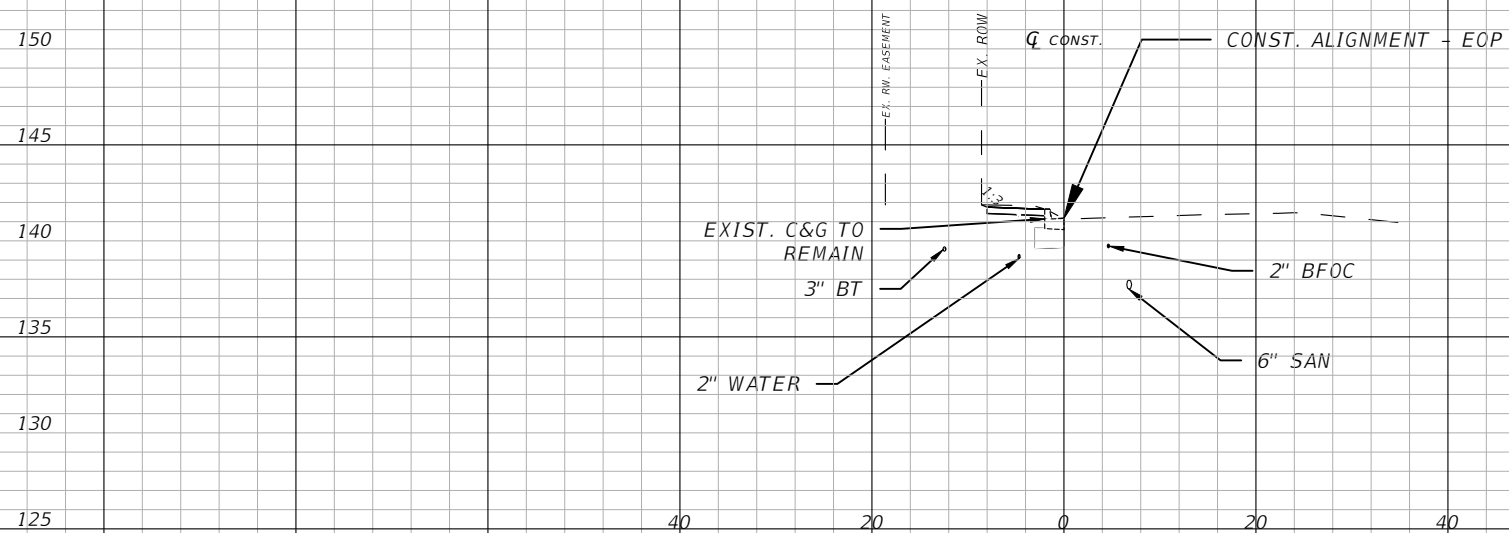
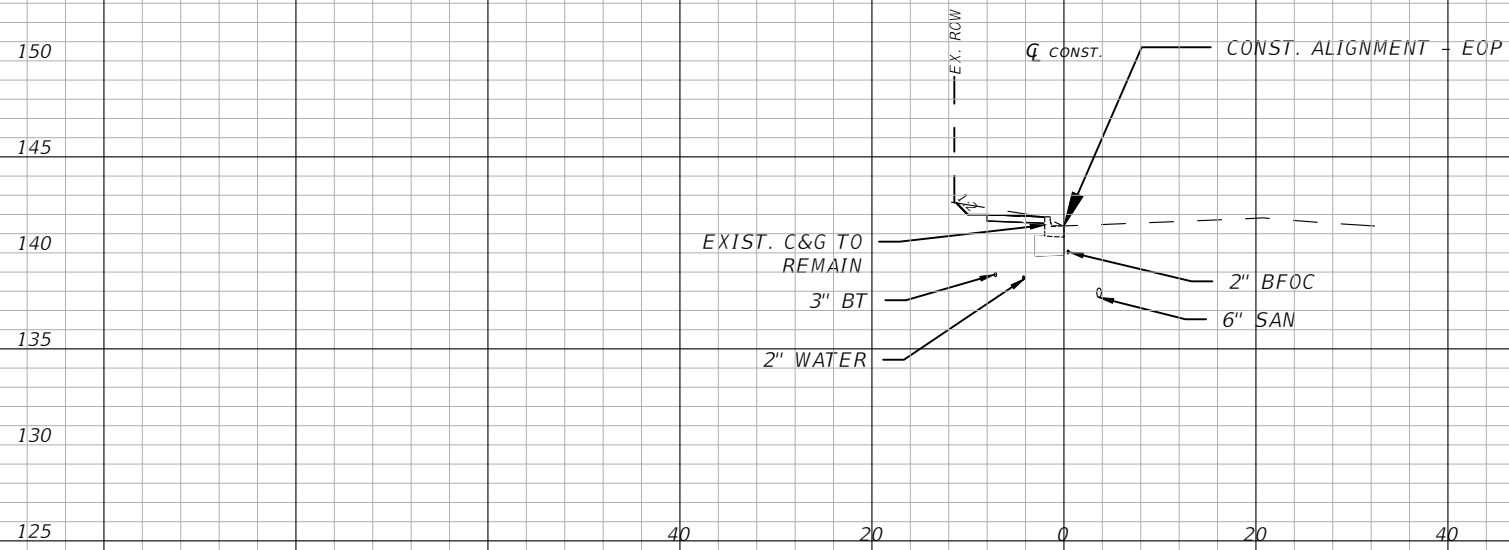
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE

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POLK COUNTY
ROADS AND DRAINAGE
APPROVED BY: DATE:

MISCELLANEOUS DRAINAGE DETAILS

Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)



BEGIN PROJECT STA. 100+00.00
BEGIN EARTHWORK 100+17.90

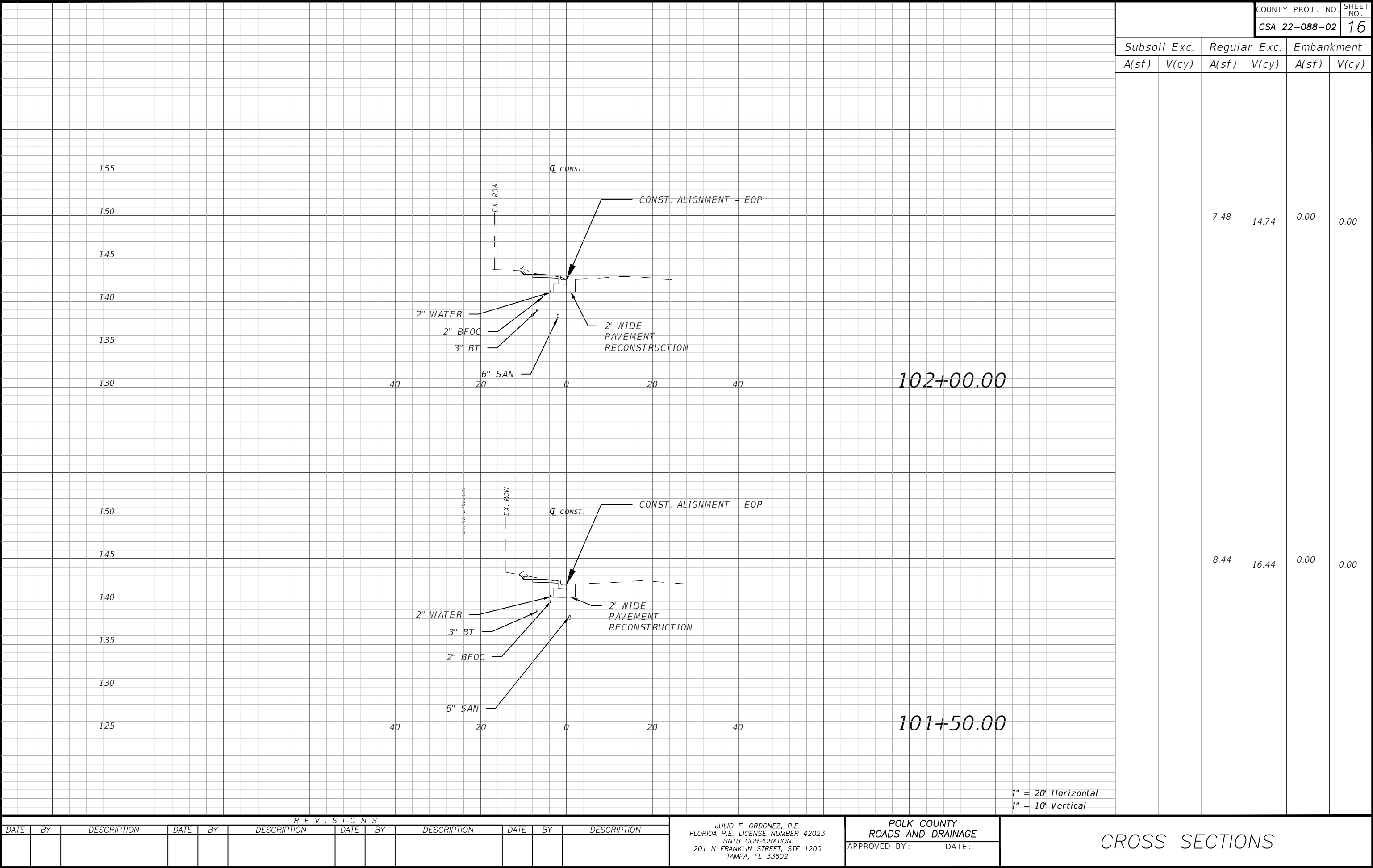
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1" = 10' Vertical

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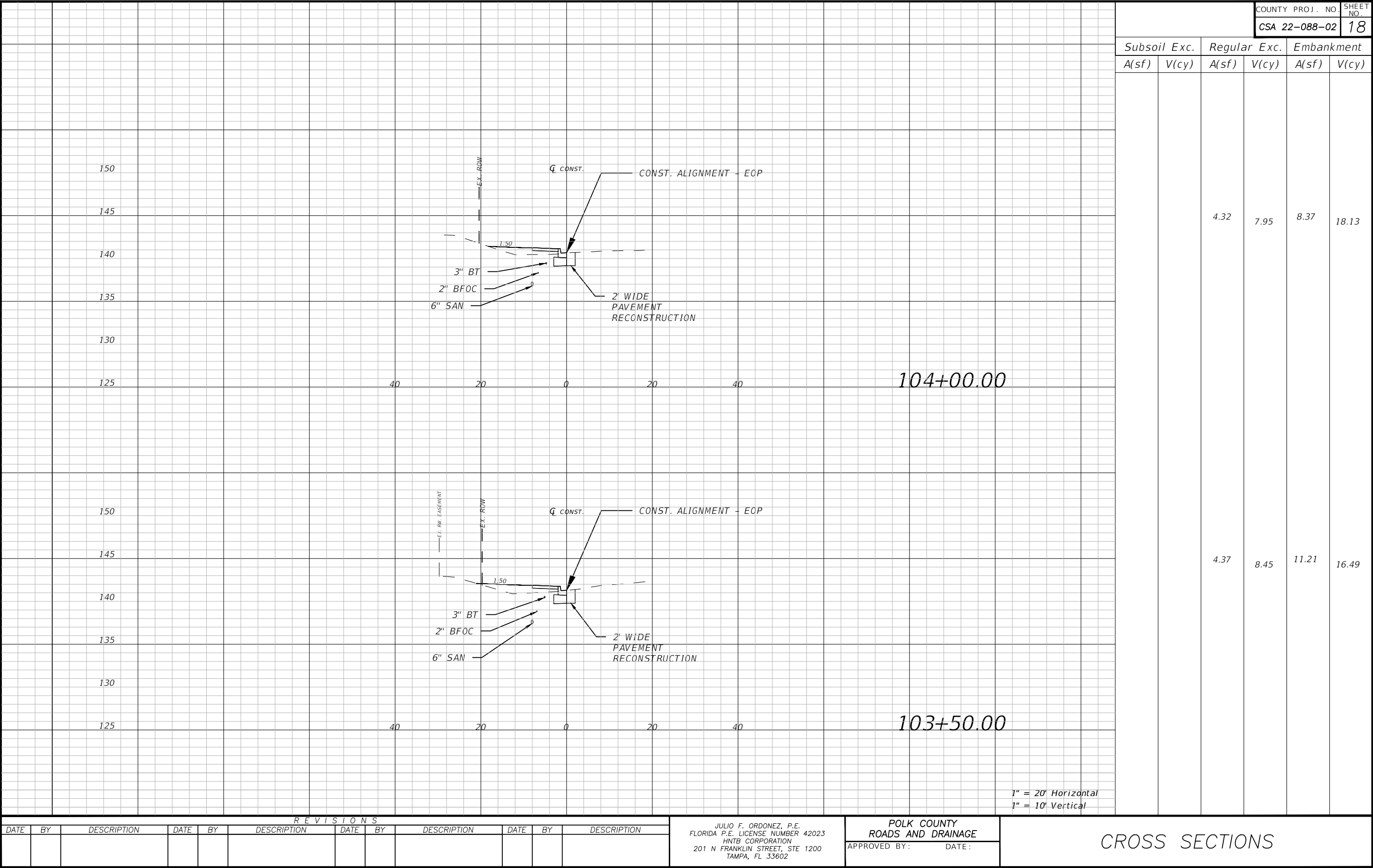
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POLK COUNTY ROADS AND DRAINAGE	
APPROVED BY:	DATE:

CROSS SECTIONS

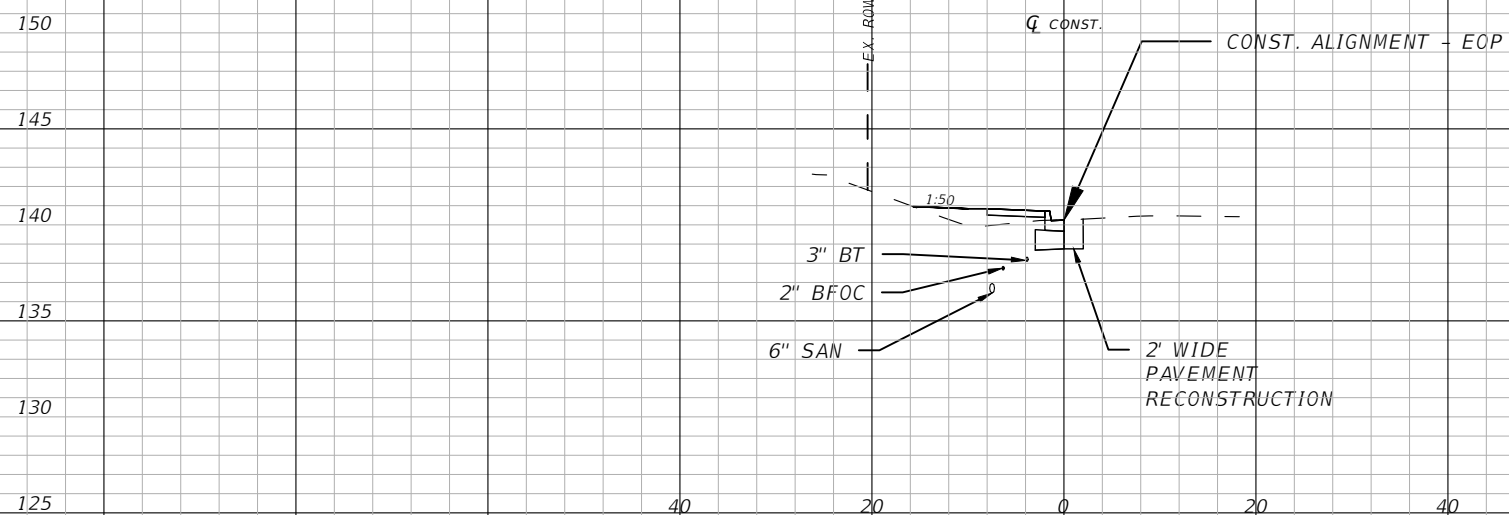
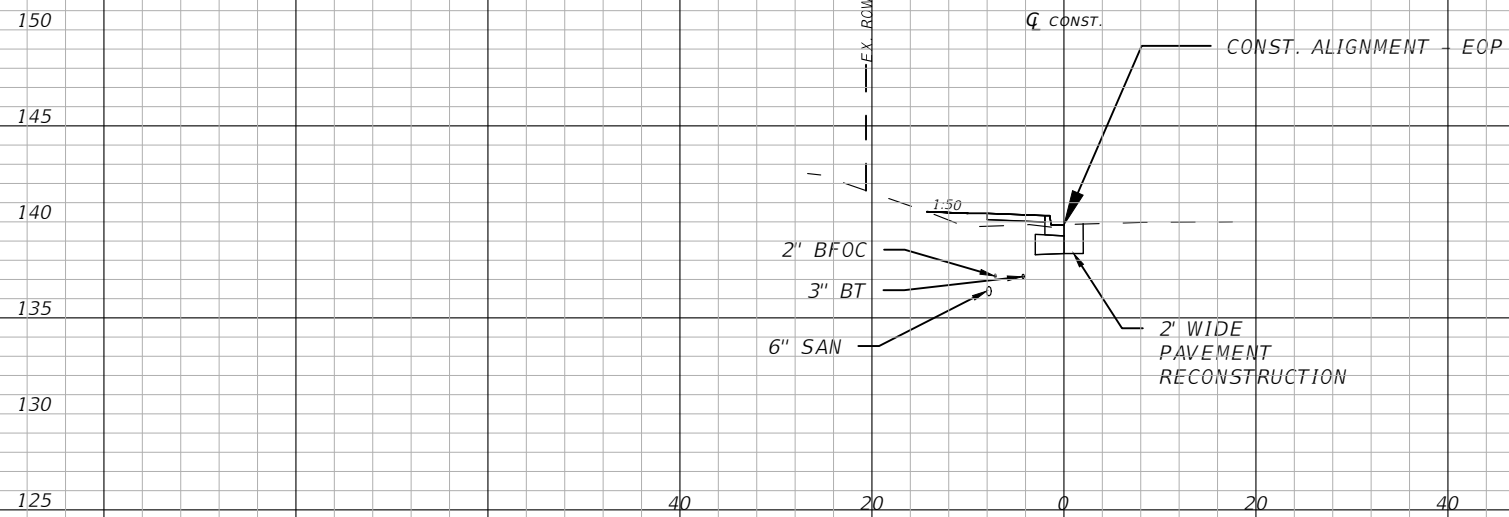


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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)



1" = 20' Horizontal
1" = 10' Vertical

[illegible]

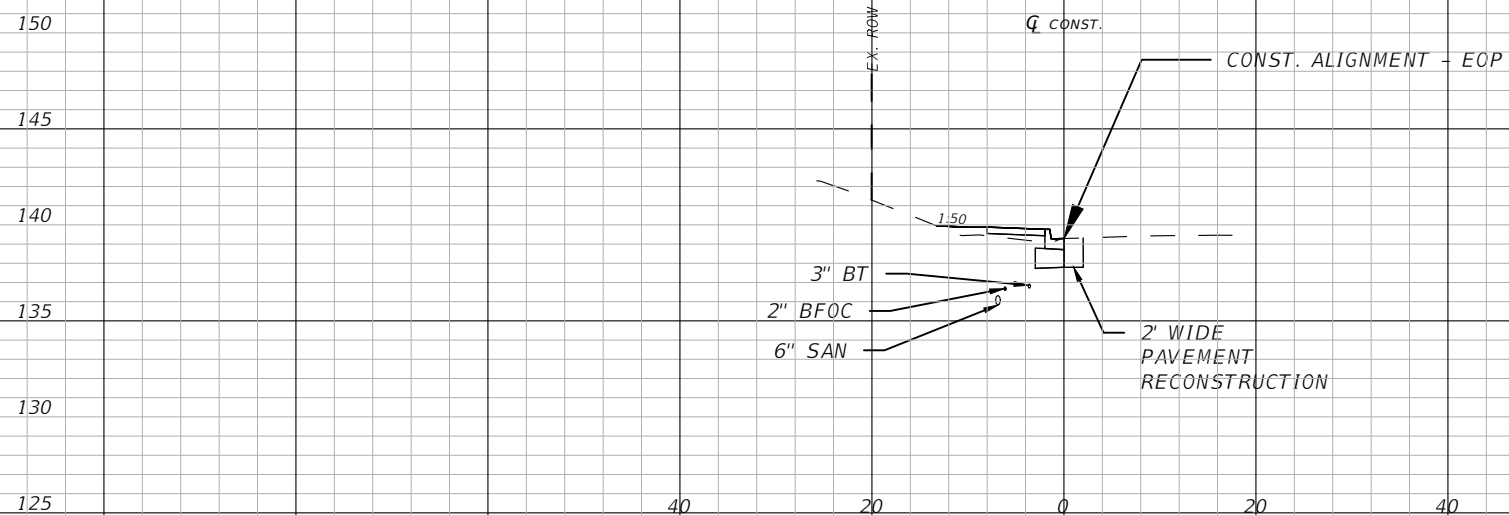
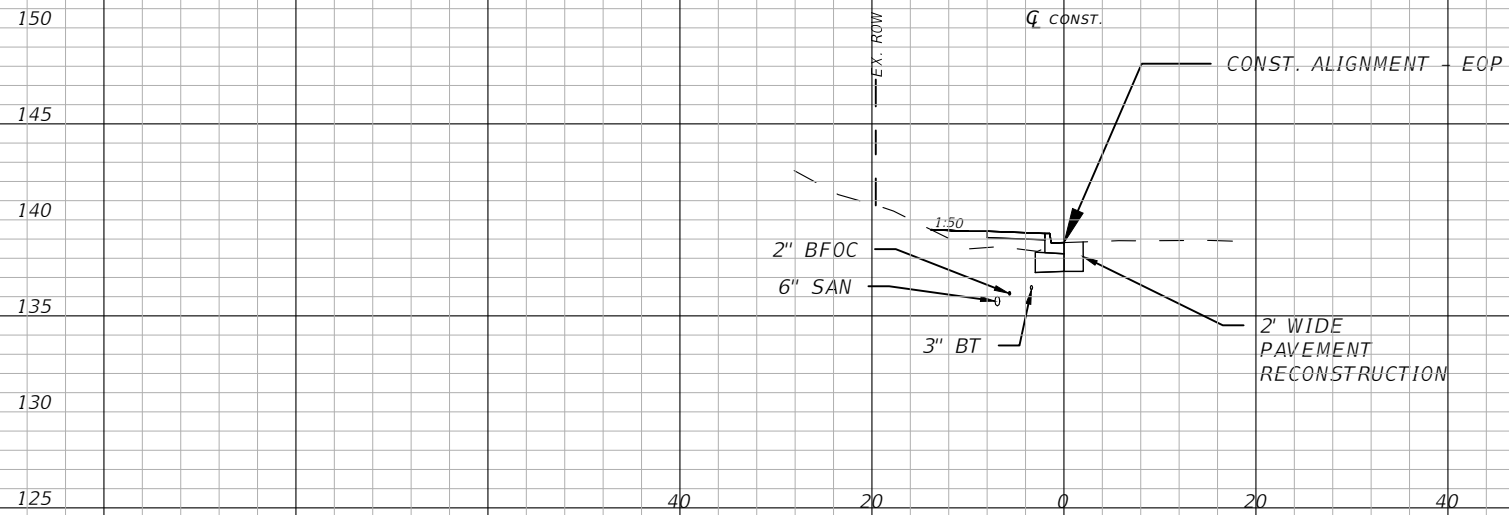
JULIO F. ORDONEZ, P.E.
FLORIDA P.E. LICENSE NUMBER 42023
HNTB CORPORATION
201 N FRANKLIN STREET, STE 1200
TAMPA, FL 33602

POLK COUNTY ROADS AND DRAINAGE	
APPROVED BY:	DATE:

CROSS SECTIONS

COUNTY PROJ. NO.	SHEET NO.
CSA 22-088-02	20

Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)



1" = 20' Horizontal
1" = 10' Vertical

REVISIONS

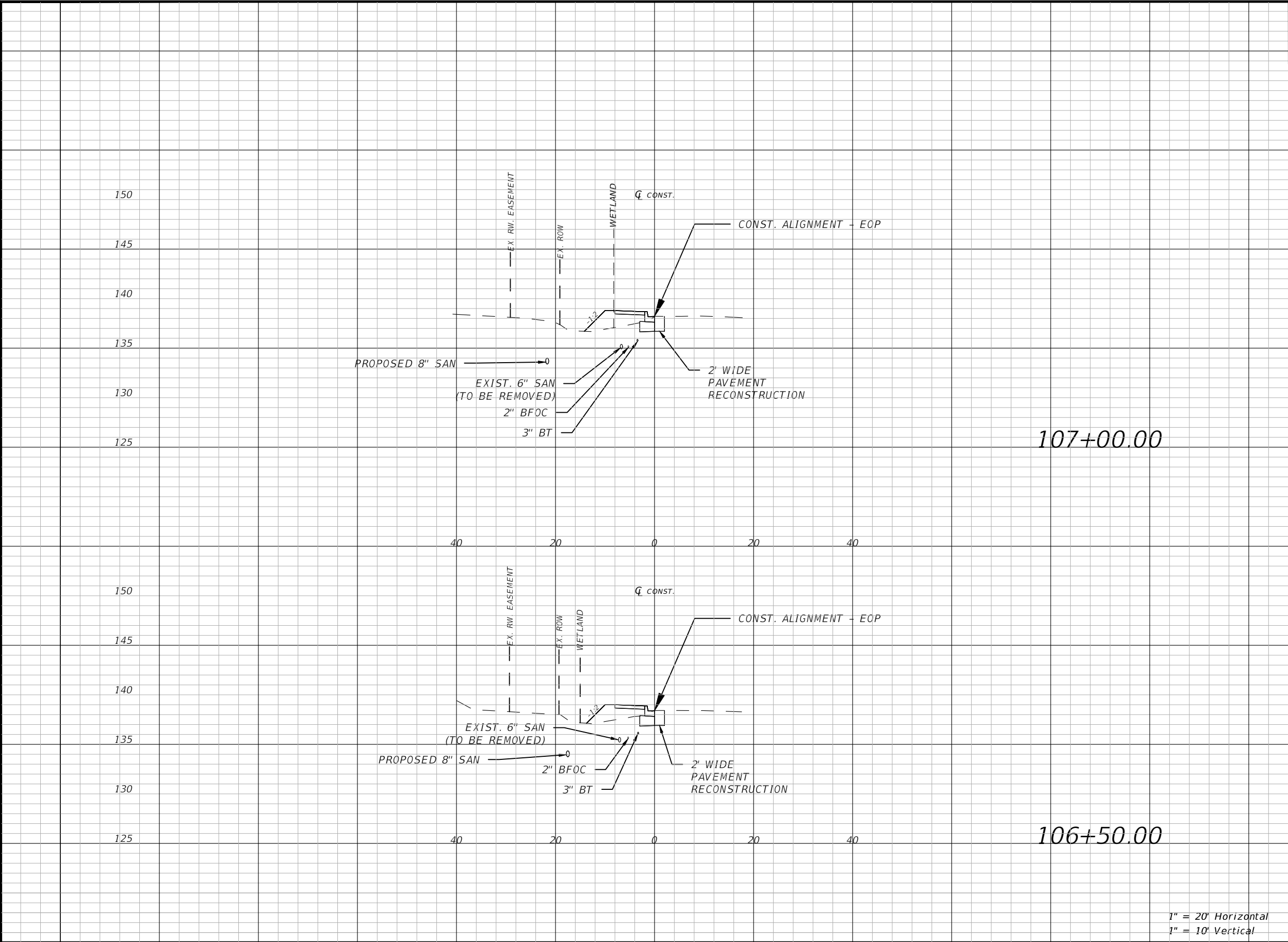
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JULIO F. ORDONEZ, P.E.
FLORIDA P.E. LICENSE NUMBER 42023
HNTB CORPORATION
201 N FRANKLIN STREET, STE 1200
TAMPA, FL 33602

<i>POLK COUNTY ROADS AND DRAINAGE</i>	
APPROVED BY: _____	DATE: _____

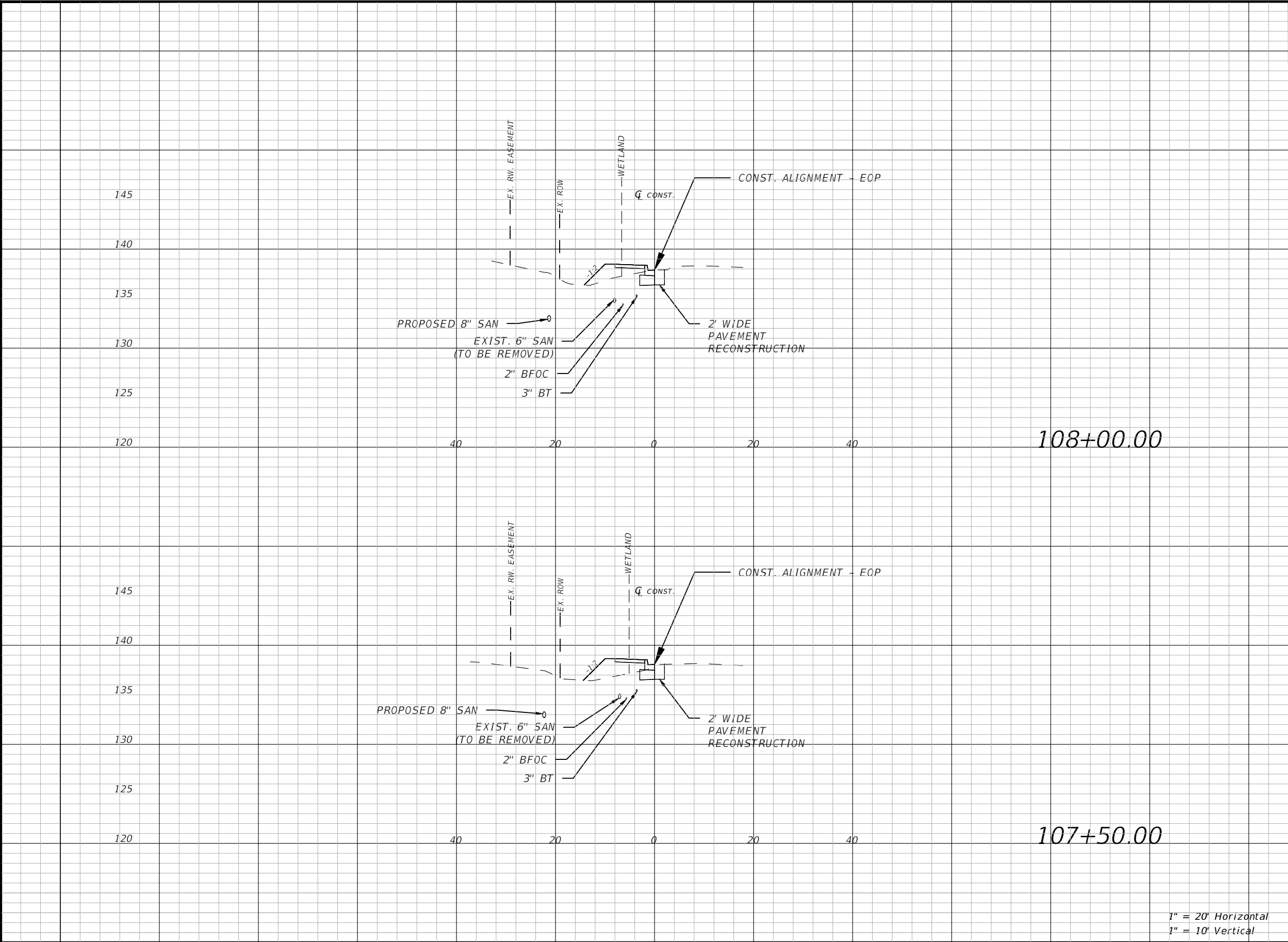
CROSS SECTIONS

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						COUNTY PROJ. NO.	SHEET NO.
						CSA 22-088-02	21
Subsoil Exc.		Regular Exc.		Embankment			
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)		
		3.38	6.55	13.92	23.85		
		3.69	7.00	11.84	17.09		

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1" = 20' Horizontal
1" = 10' Vertical

Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
		4.26	6.94	10.73	23.79
		3.24	6.13	14.96	26.74

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JULIO F. ORDONEZ, P.E.
FLORIDA P.E. LICENSE NUMBER 42023
HNTB CORPORATION
201 N FRANKLIN STREET, STE 1200
TAMPA, FL 33602

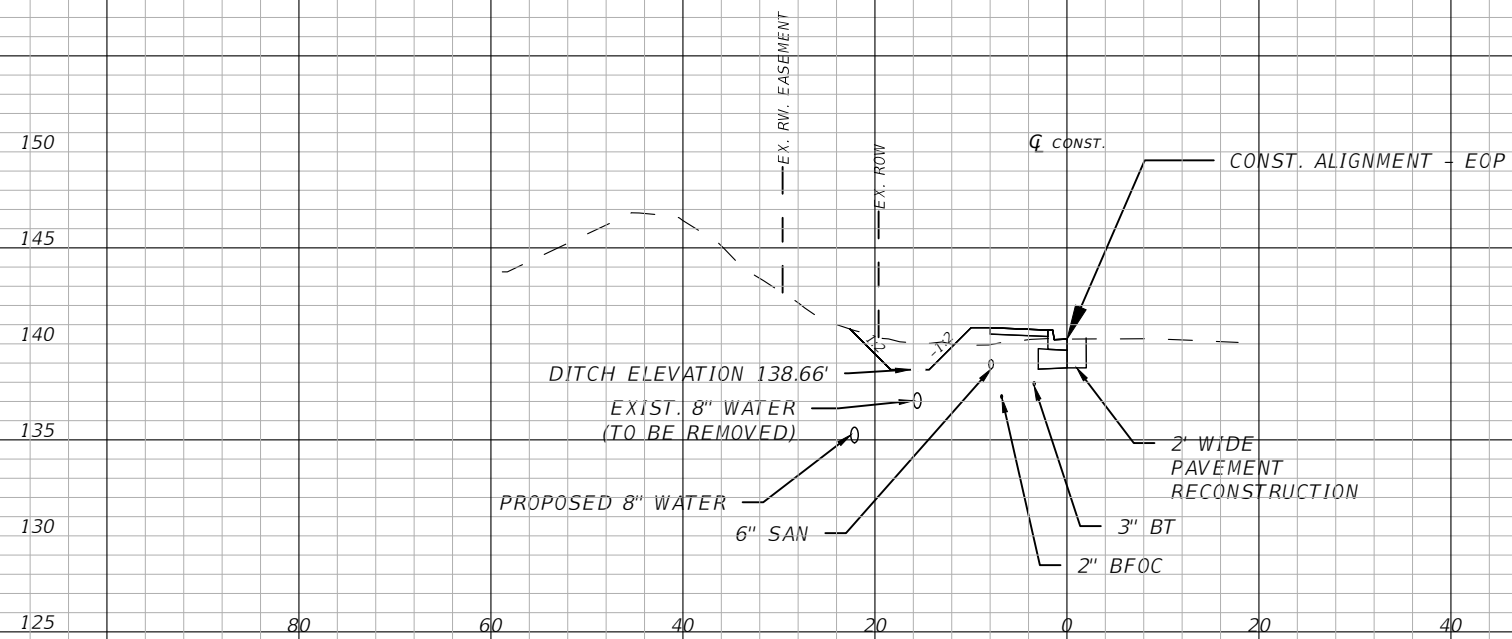
POLK COUNTY
ROADS AND DRAINAGE
APPROVED BY: DATE:

CROSS SECTIONS

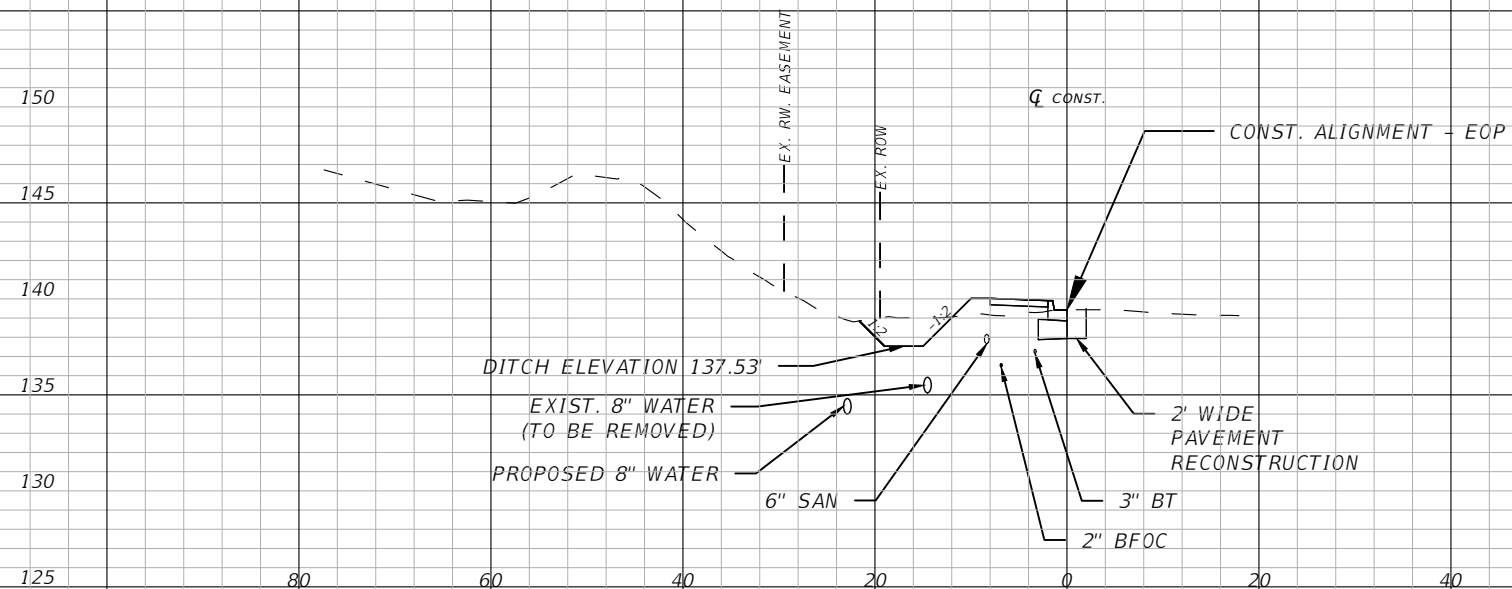
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

COUNTY PROJ. NO.	SHEET NO.
CSA 22-088-02	24

Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)



110+00.00

 $109+50.00$

1" = 20' Horizontal
1" = 10' Vertical

REVISIONS

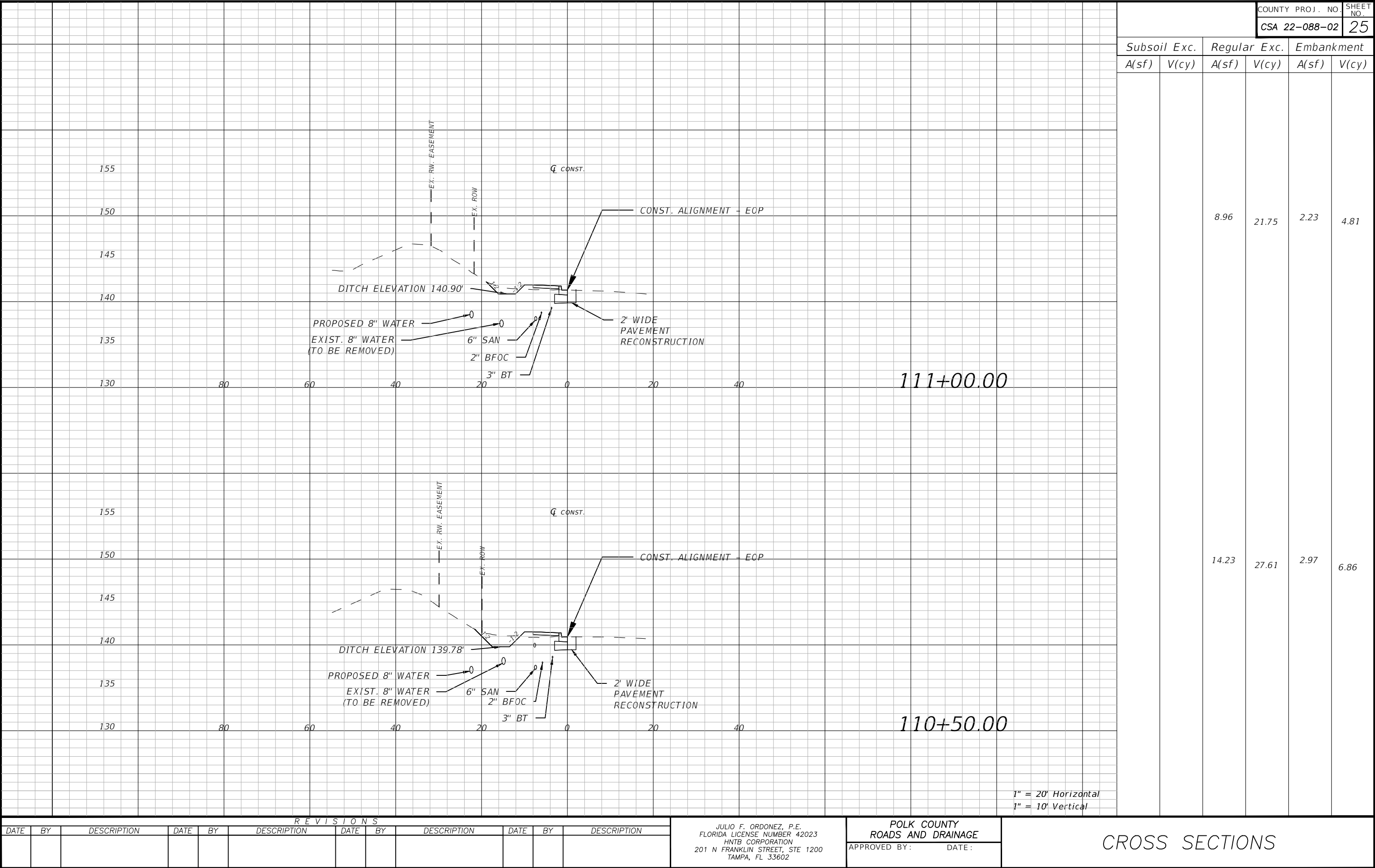
<i>DATE</i>	<i>BY</i>	<i>DESCRIPTION</i>	<i>DATE</i>	<i>BY</i>	<i>DESCRIPTION</i>	<i>DATE</i>	<i>BY</i>	<i>DESCRIPTION</i>	<i>DATE</i>	<i>BY</i>	<i>DESCRIPTION</i>

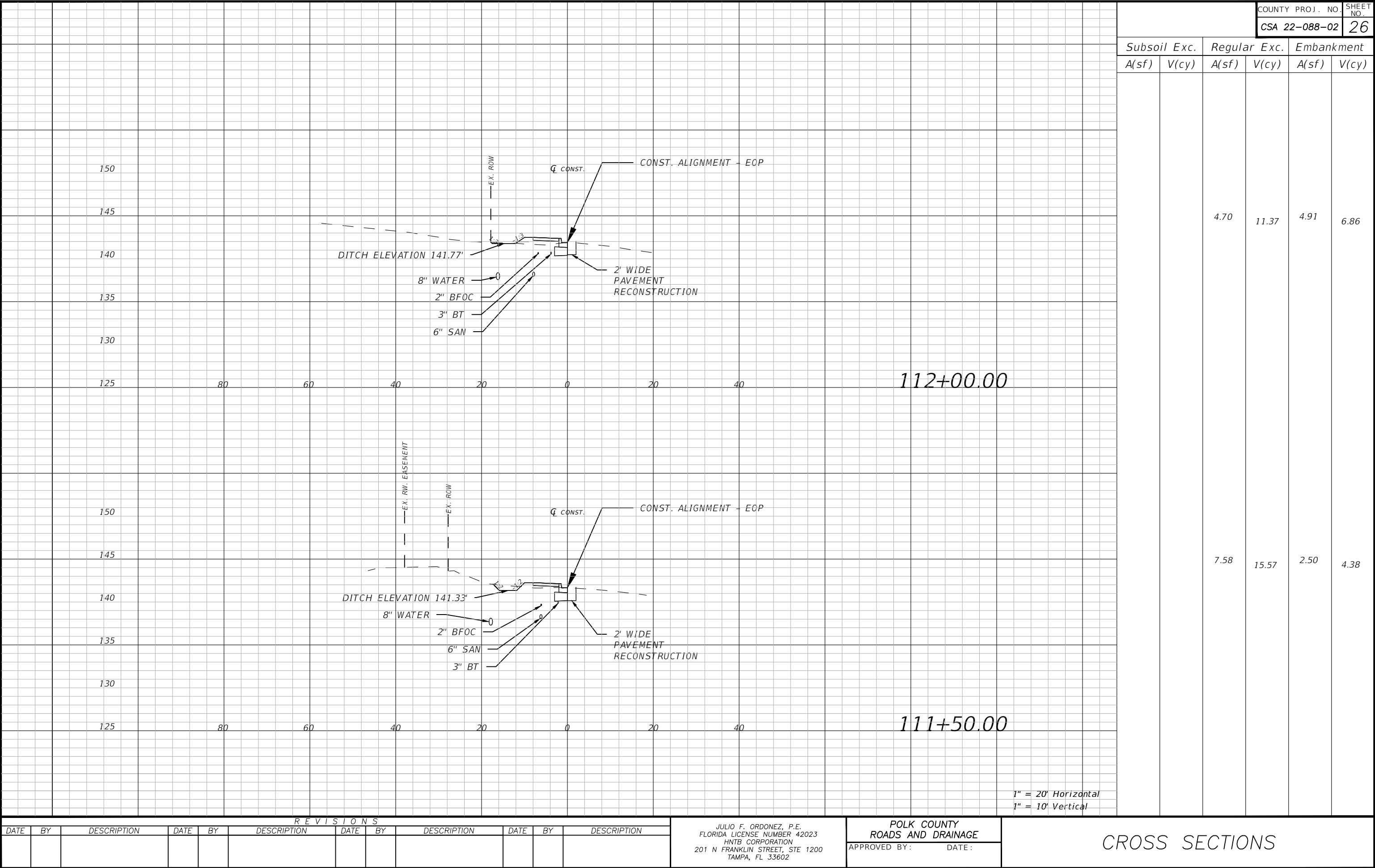
JULIO F. ORDONEZ, P.E.
FLORIDA P.E. LICENSE NUMBER 42023
HNTB CORPORATION
201 N FRANKLIN STREET, STE 1200
TAMPA, FL 33602

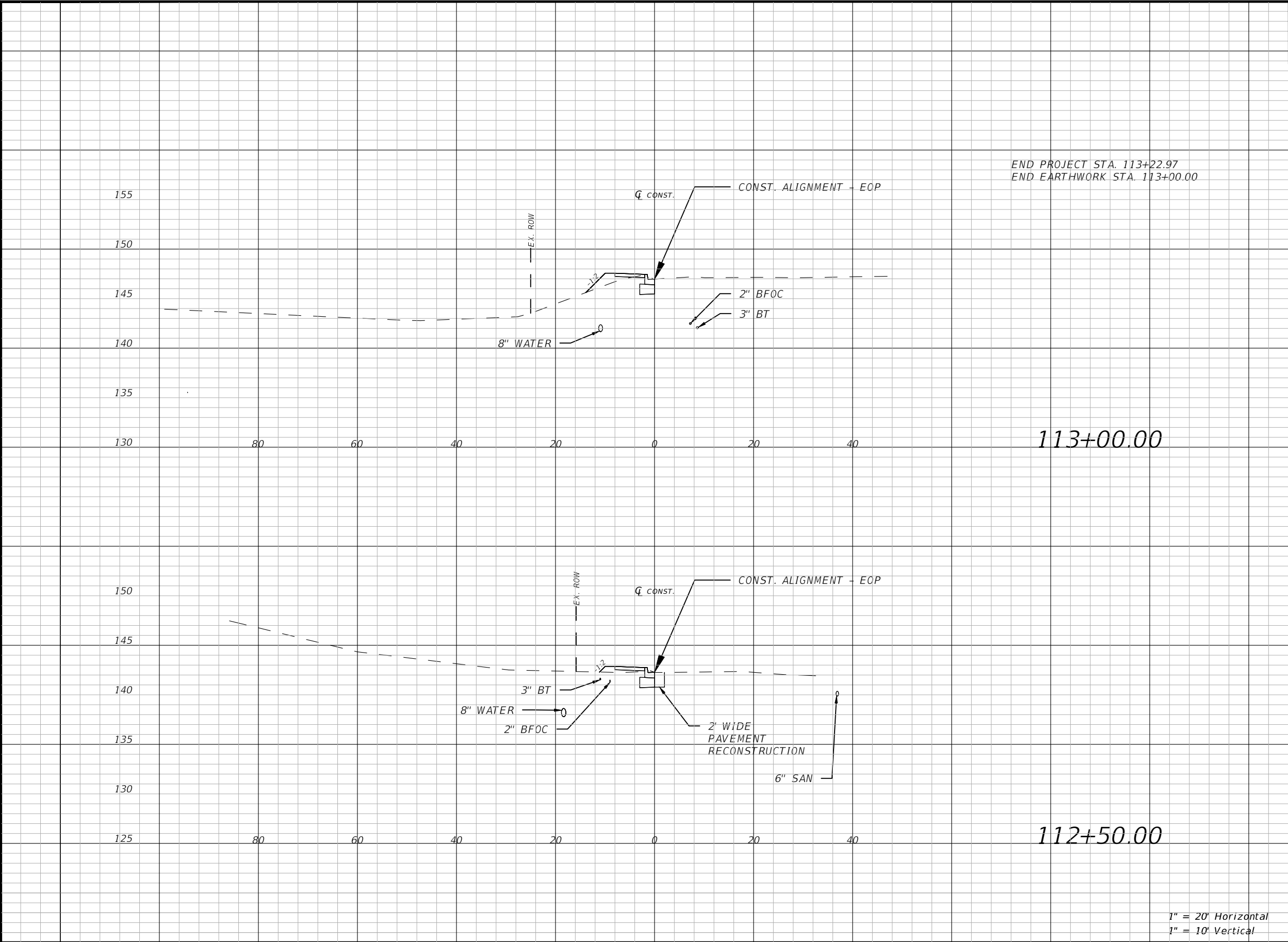
<i>POLK COUNTY ROADS AND DRAINAGE</i>	
APPROVED BY:	DATE:

CROSS SECTIONS

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 81G13-23.004, F.A.C.







				COUNTY PROJ. NO.		SHEET NO.	
				CSA 22-088-02		27	
Subsoil Exc.		Regular Exc.		Embankment			
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)		
		5.54	9.32	5.31	7.27		
		5.01	8.95	2.54	6.90		

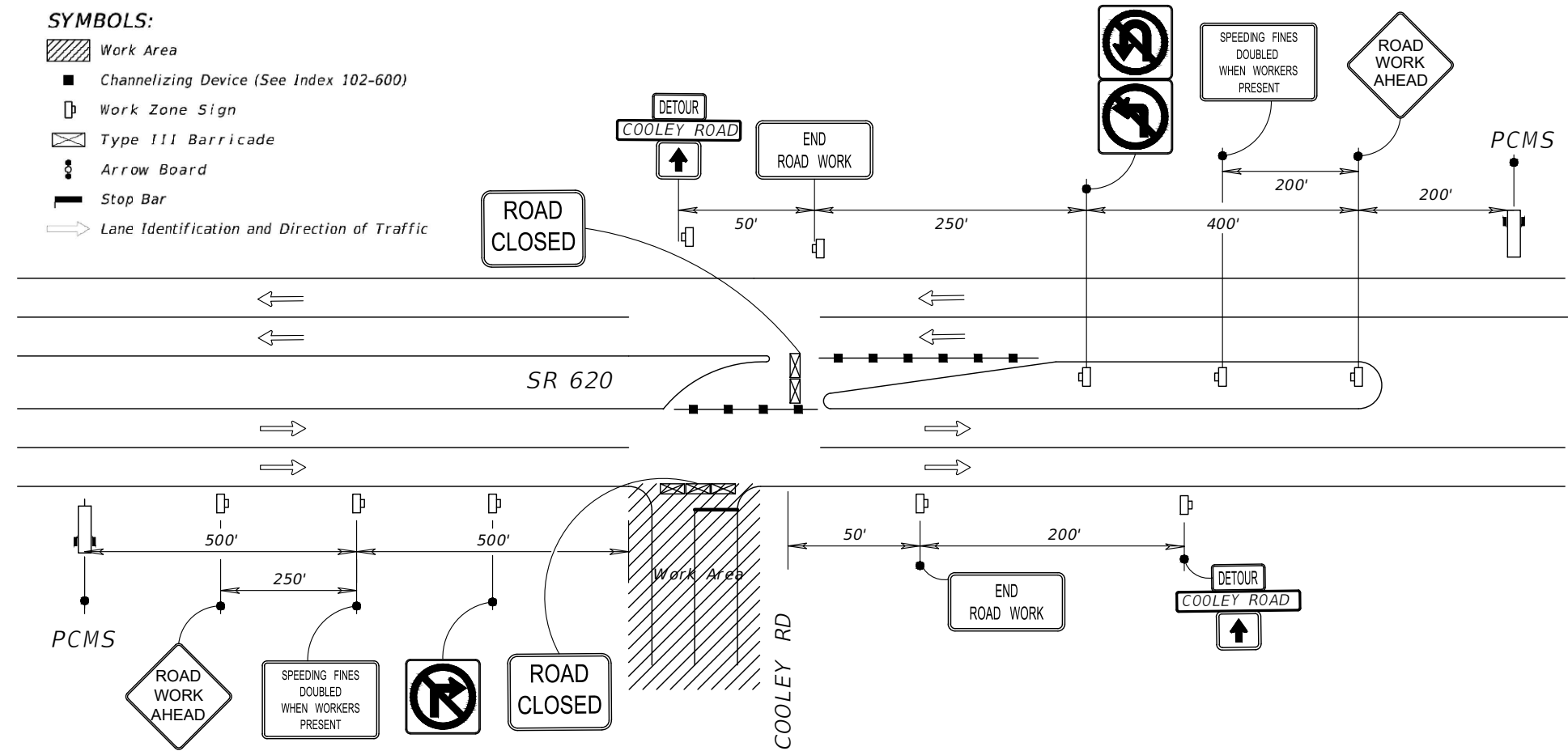
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GENERAL NOTES

1. ALL SIGNING, PAVEMENT MARKINGS, BARRICADES, AND WARNING LIGHTS NECESSARY FOR MAINTENANCE OF TRAFFIC SHALL CONFORM TO THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY AND TRAFFIC DESIGN STANDARDS (LATEST EDITION), INDEX 102-600 SERIES. NO EXCEPTIONS SHALL BE MADE WITHOUT WRITTEN CONSENT FROM POLK COUNTY.
2. CLOSING OF COOLEY ROAD DURING THE CONSTRUCTION OF THE PROJECT SHALL BE DONE AS PHASE II, FOR A PERIOD NOT TO EXCEED THIRTY (30) DAYS FOR SUBSTANTIAL COMPLETION. FINAL COMPLETION TO BE DONE THIRTY (30) DAYS AFTERWARDS, FOR A TOTAL CONSTRUCTION TIME OF SIXTY (60) DAYS. ACCESS FOR EMERGENCY RESPONDERS SHALL BE PROVIDED AT ALL TIMES DURING THE CONSTRUCTION PHASE OF THE PROJECT.
3. THE CONTRACTOR SHALL PERFORM ALL CONSTRUCTION ACTIVITIES BETWEEN THE HOURS OF 7:00 A.M. TO 6 P.M., UNLESS APPROVED OTHERWISE BY POLK COUNTY.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN CLEAR ZONE REQUIREMENTS FOR EQUIPMENT AND MATERIALS STORAGE AND WORK ZONE PROTECTION AS SPECIFIED IN THE FDOT INDEX 102-600.
5. ALL ELEMENTS OF THE TRAFFIC CONTROL PLAN SHALL BE INCLUDED UNDER PAY ITEM NO. 102-1 "MAINTENANCE OF TRAFFIC" INCLUDING COOLEY ROAD DETOUR, REMOVAL OF EXISTING PAVEMENT MARKINGS, TEMPORARY PAVEMENT MARKINGS AND CONFLICTING OR MISLEADING PAVEMENT MARKINGS, RPM'S AND/OR SIGNS.
6. EXISTING SIGNS ARE TO BE MAINTAINED AT ALL TIMES WHERE APPLICABLE. CONFLICTING EXISTING SIGNS ARE TO BE COVERED OR REMOVED.
7. CONFLICTING OR MISLEADING PAVEMENT MARKINGS AND RPM'S SHALL BE REMOVED BY METHODS APPROVED BY POLK COUNTY. ANY DAMAGED PAVEMENT SHALL BE RESTORED TO ITS ORIGINAL CONDITION.
8. MILL & RESURFACE (1.5") THE EXISTING PAVEMENT AT THE PIPE CROSSING ON COOLEY ROAD, FOR A DISTANCE OF FIFTY (50) FEET ON BOTH DIRECTIONS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING A WORK SCHEDULE SO THAT ANY LOCATION UNDER CONSTRUCTION WILL NOT BE LEFT IN A HAZARDOUS CONDITION AT THE COMPLETION OF ANY WORK PERIOD.
10. THE CONTRACTOR SHALL PROVIDE A WORK SITE TRAFFIC SUPERVISOR FOR THE INSTALLATION, MAINTENANCE, AND REMOVAL OF TRAFFIC CONTROL DEVICES AS DETAILED BY THE FDOT STANDARD SPECIFICATIONS AND FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.
11. TRAFFIC CONTROL FOR SIDE STREET INTERSECTIONS, IF NECESSARY, SHALL BE IN ACCORDANCE WITH FDOT INDEX NO. 102-604 AS APPLICABLE. ANY TEMPORARY LANE CLOSURES SHALL BE LIMITED TO A MAXIMUM OF ONE LANE AT ANY TIME USING FLAGGING..
12. EXISTING STREET SIGNS SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT.
13. THE CONTRACTOR MUST MAINTAIN DRAINAGE THROUGHOUT THE PROJECT DURING ALL PHASES OF CONSTRUCTION.
14. ONCE A TRAFFIC PATTERN IS ESTABLISHED FOR A PHASE, THERE SHALL BE NO CHANGE IN THAT PATTERN UNTIL ALL OF THE KEY ELEMENTS OF THE NEXT PHASE ARE ESTABLISHED.
15. EXISTING REGULATORY POSTED SPEED LIMITS SHALL BE MAINTAINED DURING ALL CONSTRUCTION ACTIVITIES, UNLESS OTHERWISE APPROVED BY POLK COUNTY.
16. THE CONTRACTOR SHALL MILL AND RESURFACE ANY EXISTING PAVEMENT (WHICH IS NOT TO BE REPLACED AS PART OF THIS PROJECT) THAT IS DAMAGED OR SCARRED BY THE CONTRACTOR DURING CONSTRUCTION ACTIVITIES. INSTALLATION/REMOVAL OF LANE LINE TRANSITIONS, CROSS OVERS, OR DETOURS NECESSARY FOR IMPLEMENTATION OF THE TRAFFIC CONTROL PLANS SHALL BE PAID FOR UNDER PAY ITEM NO. 102-1 "MAINTENANCE OF TRAFFIC".

SYMBOLS:

-  Work Area
-  Channelizing Device (See Index 102-600)
-  Work Zone Sign
-  Type III Barricade
-  Arrow Board
-  Stop Bar
-  Lane Identification and Direction of Traffic



APPLICABLE TO SR 620 AND COOLEY RD APPROACHES. NOTE - NOT TO SCALE

PHASING NOTES

PHASE I

1. INSTALL ADVANCED WARNING SIGNS, TEMPORARY TRAFFIC CONTROL DEVICES AND DETOUR, PER APPLICABLE FDOT TRAFFIC CONTROL INDICES 102-600 SERIES.
2. INSTALL EROSION CONTROL DEVICES, PER NOTE 26 ON SHEET 6, GENERAL NOTES
3. REMOVE EXISTING SIGNAGE AS SHOWN IN SIGNING & MARKINGS PLANS.

PHASE II

1. CLEAR & GRUB WORK AREA WITHIN THE CONSTRUCTION LIMITS, INCLUDING A.C. PAVEMENT AND CONCRETE SIDEWALK/CURB & GUTTER REMOVAL.
2. PERFORM ALL EARTHWORKS OPERATIONS.
3. CONSTRUCT ALL DRAINAGE WORK, INCLUDING DRAINAGE STRUCTURES AND PIPE CULVERTS, AND TRENCH RESTORATION AT THE COOLEY ROAD 18" C.M.P. CROSS DRAIN LOCATION.
4. MILL & RESURFACE (1.5") THE EXISTING PAVEMENT AT THE PIPE CROSSING ON COOLEY ROAD, FOR A DISTANCE OF FIFTY (50) FEET ON BOTH DIRECTIONS AND THE REST OF PAVING ALONG COOLEY ROAD AND THE S.R. 620 INTERSECTION. MAKE SPECIAL PROVISIONS FOR PEDESTRIAN ASSISTANCE DURING THIS PHASE.
5. CONSTRUCT 2' PAVEMENT WIDENING WITH 4" CURB PAD.
6. CONSTRUCT CONCRETE CURB & GUTTER AND SIDEWALK.
7. RESET EXISTING SIGNS AND INSTALL TEMPORARY PAINT PAVEMENT MARKINGS.

PHASE III

1. INSTALL PERMANENT THERMOPLASTIC PAVEMENT MARKINGS PER FDOT INDEX NO's. 102-600, 102-602, 102-603, AND 102-607.
2. INSTALL PERMANENT RPM'S IN FINAL LOCATION.
3. REMOVE EROSION CONTROL DEVICES.
4. RESTORE DISTURBED AREAS BACK TO EXISTING CONDITIONS.

USE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) AS SHOWN IN THE ADVANCE DETOUR SIGN DETAIL BELOW 14 DAYS PRIOR TO DETOUR WITH THE FOLLOWING MESSAGES:

MESSAGE 1

COOLEY
ROAD
CLOSED

MESSAGE 2

DETOUR
BEGIN
XX/XX/XX

MESSAGES MAY BE CHANGED BY THE ENGINEER

USE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) AS SHOWN IN THE ADVANCE DETOUR SIGN DETAIL BELOW DURING DETOUR WITH THE FOLLOWING MESSAGES:

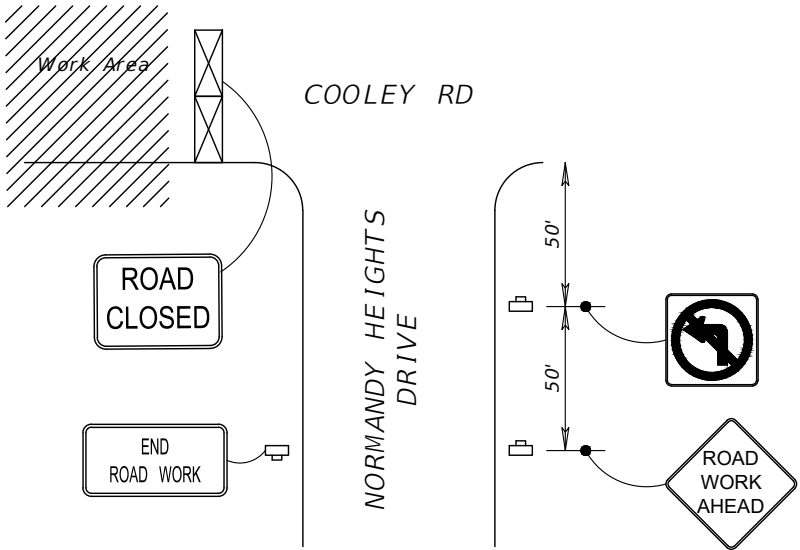
MESSAGE 1

COOLEY
ROAD
CLOSED

MESSAGE 2

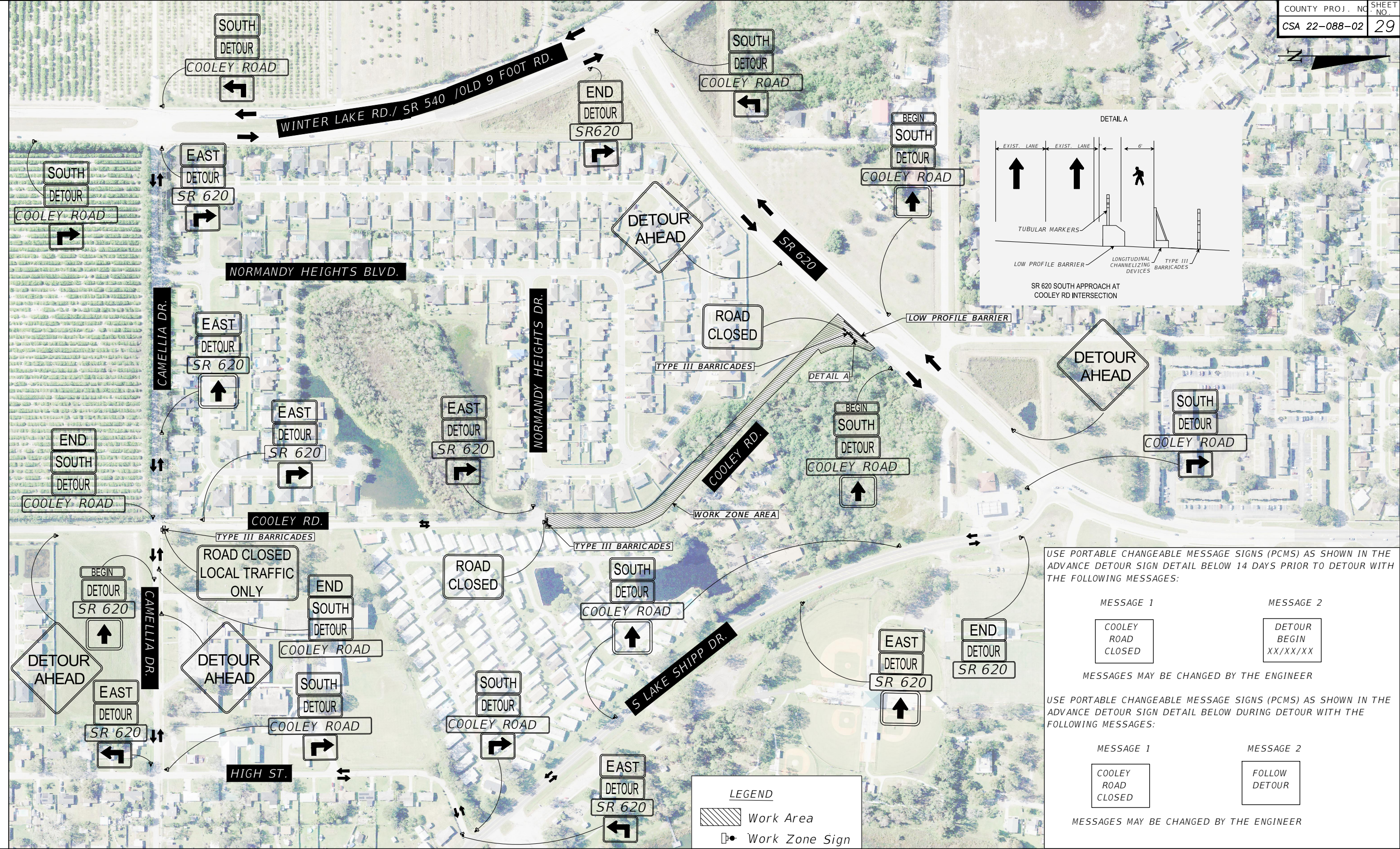
FOLLOW
DETOUR

MESSAGES MAY BE CHANGED BY THE ENGINEER



NORMANDY HEIGHTS DRIVE. NOTE - NOT TO SCALE

REVISIONS												JULIO F. ORDONEZ, P.E. FLORIDA P.E. LICENSE NUMBER 42023 HNTB CORPORATION 201 N FRANKLIN STREET, STE 1200 TAMPA, FL 33602	POLK COUNTY ROADS AND DRAINAGE APPROVED BY: DATE:	TEMPORARY TRAFFIC CONTROL
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			



USE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) AS SHOWN IN THE ADVANCE DETOUR SIGN DETAIL BELOW 14 DAYS PRIOR TO DETOUR WITH THE FOLLOWING MESSAGES:

MESSAGE 1

COOLEY
ROAD
CLOSED

MESSAGE 2

DETOUR
BEGIN
XX/XX/XX

MESSAGES MAY BE CHANGED BY THE ENGINEER

USE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) AS SHOWN IN THE ADVANCE DETOUR SIGN DETAIL BELOW DURING DETOUR WITH THE FOLLOWING MESSAGES:

MESSAGE 1

COOLEY
ROAD
CLOSED

MESSAGE 2

FOLLOW
DETOUR

MESSAGES MAY BE CHANGED BY THE ENGINEER

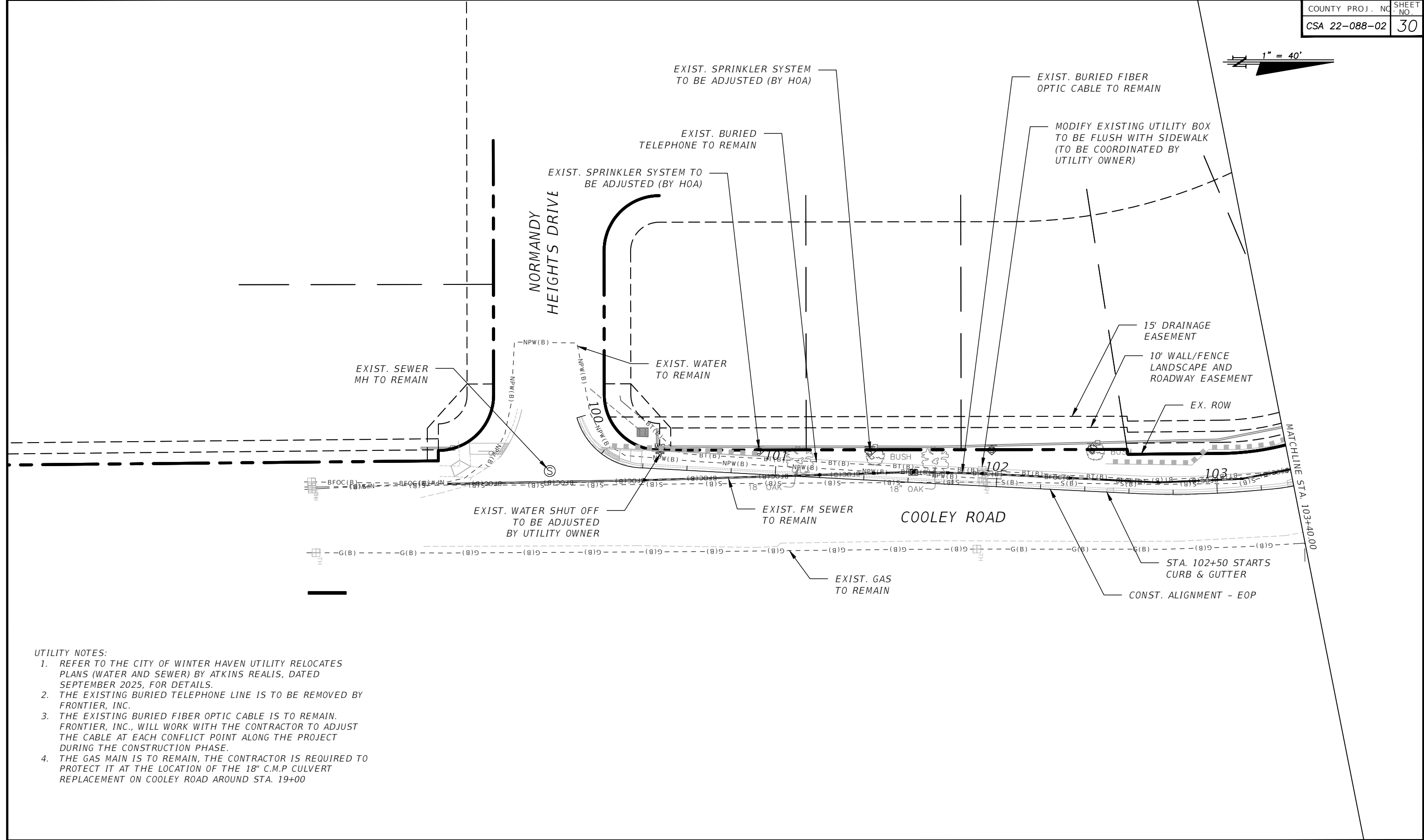
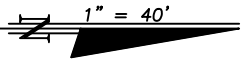
REVISIONS

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

JULIO F. ORDONEZ, P.E.
FLORIDA P.E. LICENSE NUMBER 42023
HNTB CORPORATION
201 N FRANKLIN STREET, STE 1200
TAMPA, FL 33602

POLK COUNTY
ROADS AND DRAINAGE
APPROVED BY: DATE:

COOLEY RD.
TRAFFIC CONTROL DETOUR PLAN



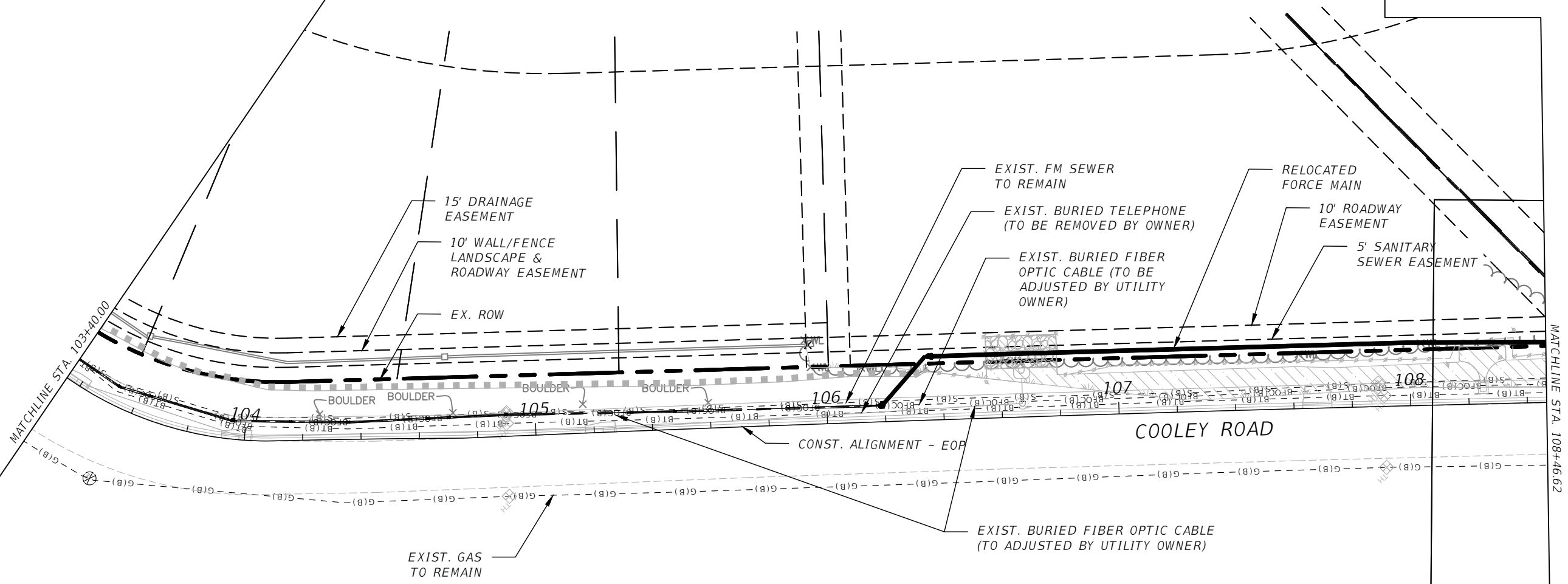
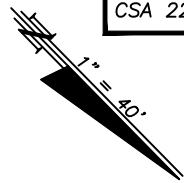
- UTILITY NOTES:
- REFER TO THE CITY OF WINTER HAVEN UTILITY RELOCATES PLANS (WATER AND SEWER) BY ATKINS REALIS, DATED SEPTEMBER 2025, FOR DETAILS.
 - THE EXISTING BURIED TELEPHONE LINE IS TO BE REMOVED BY FRONTIER, INC.
 - THE EXISTING BURIED FIBER OPTIC CABLE IS TO REMAIN. FRONTIER, INC., WILL WORK WITH THE CONTRACTOR TO ADJUST THE CABLE AT EACH CONFLICT POINT ALONG THE PROJECT DURING THE CONSTRUCTION PHASE.
 - THE GAS MAIN IS TO REMAIN, THE CONTRACTOR IS REQUIRED TO PROTECT IT AT THE LOCATION OF THE 18" C.M.P CULVERT REPLACEMENT ON COOLEY ROAD AROUND STA. 19+00

R E V I S I O N S											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JULIO F. ORDONEZ, P.E.
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HNTB CORPORATION
201 N FRANKLIN STREET, STE 1200
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POLK COUNTY
ROADS AND DRAINAGE
APPROVED BY: DATE:

UTILITY
ADJUSTMENTS



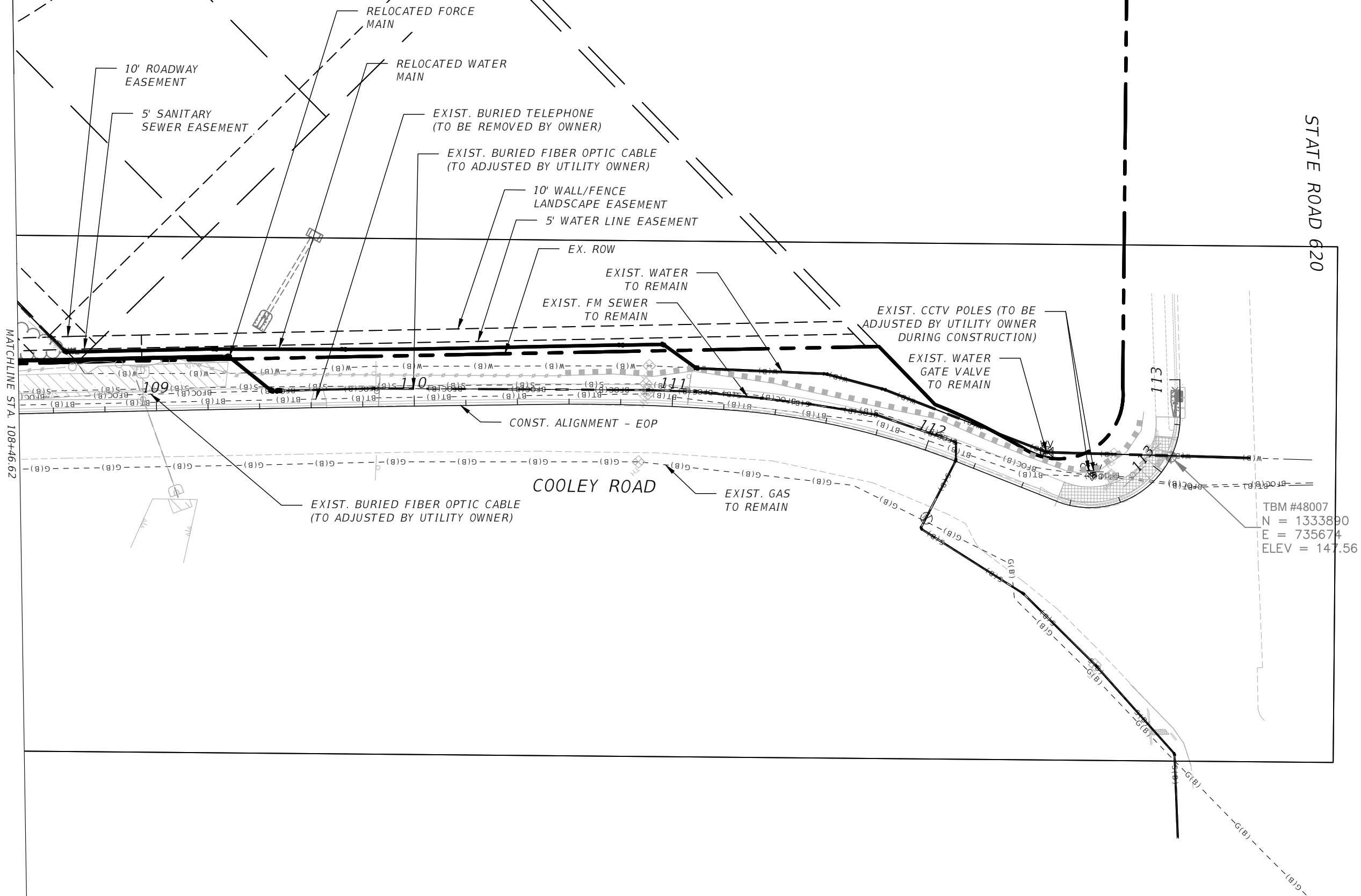
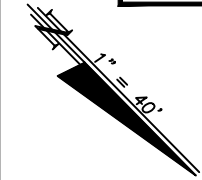
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POLK COUNTY
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ADJUSTMENTS



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

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HNTB CORPORATION
201 N FRANKLIN STREET, STE 1200
TAMPA, FL 33602

POLK COUNTY
ROADS AND DRAINAGE
APPROVED BY: DATE:

UTILITY
ADJUSTMENTS

Date:		08/19/2024		Test Hole Data Report							Crew Members:				DO,JR,JF,ZD,BP	
ECHO Project #:		24-320		4803 George Road, Ste. 350 Tampa, Florida 33634 400 SR 434, Ste. 1024 Oviedo, Florida 32765		ECHO UTILITY ENGINEERING & SURVEY		ECHO UES, Inc. www.echoues.com 888.778.ECHO - GROW, INSPIRE, MAKE A DIFFERENCE -		City, State:				Winter Haven, FL		
General Location:										Cooley Rd						
Truck No.:										VT-1 / D-13		Coordinate Unit of Measure:				US Survey Feet
Utility Type					Utility Material					Identified By:		Abbreviations		Offset Measured From:		
BE = Buried Electrical		RCW = Reclaimed Water		AC = Transite		GALV = Galvanized Pipe		HUB = Survey Hub		N/A = Not Applicable		EP= Edge of Pavement				
GM = Gas Main		TS = Traffic Signal		CI= Cast Iron		HDPE = High Density Polyethylene Pipe		IRC = Iron Rod & Cap "ECHO TEST HOLE"		NAD = North American		BC = Back of Curb				
BT = Buried Telephone		SL = Street Light		CP = Concrete Pipe		PE = Polyethylene Pipe		NL = Nail & Disk "ECHO TEST HOLE"		Datum		BL = Baseline of Survey				
FOC = Fiber Optic Cable		IRR = Irrigation Line		DBC = Direct Buried Cable		PVC = Polyvinyl Chloride		SLEEVE = Sleeve		NAVD = North American		COORD = Survey Coordinates				
WM = Water Main		GS = Gas Service		CMP = Corrugated Metal Pipe		STL = Steel		X = "X" in Concrete		Vertical Datum		CL = Centerline				
SAN = Sanitary Sewer		WS = Water Service		CONC = Concrete		VCP = Vitrified Clay Pipe		Surface Type		UNK = Unknown		HUB = Survey Hub				
STM = Storm Sewer		UNK = Unknown Utility		CPP = Corrugated Plastic Pipe		PCCP = Prestressed Cylinder Concrete Pipe		ASPH = Asphalt				RW = Right of Way				
CATV = Cable Television		BED = Buried Electrical Duct		DCT = Duct				CONC = Concrete				ST = Swing Ties				
FM = Force Main		BTD = Buried Telephone Duct		DIP = Ductile Iron Pipe		RCP = Reinforced Concrete Pipe		NG = Natural Ground				X = "X" in Concrete				
Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	 Utility Direction	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums:		Horizontal:	Ground Elevation	Utility Elevation	
													NAD83/11			
												Vertical:	NAVD88			
												Northing	Easting			
1-1	GM	STL	2"	2.85'	○	↕	IRC	NG	N/A	FLORIDA PUBLIC UTILITIES	1332761.21'	736367.24'		140.26'	137.41'	
1-2	IRR	PVC	2-2"	1.00'	∞	↕	IRC	NG	N/A	PRIVATE	1332759.44'	736338.44'		140.88'	139.88'	
1-3	FM	PVC	6"	3.55'	◯	↕	IRC	NG	N/A	CITY OF WINTER HAVEN	1332759.41'	736337.55'		140.91'	137.36'	
1-4	FOC	PE	2-2"	2.34'	○○	↕	IRC	NG	N/A	FRONTIER	1332759.16'	736335.20'		141.19'	138.85'	
1-5	GM	STL	2"	2.35'	○	↕	IRC	NG	N/A	FLORIDA PUBLIC UTILITIES	1333059.88'	736365.57'		142.07'	139.72'	
1-6	FM	PVC	6"	4.34'	◯	↕	X	NG	N/A	CITY OF WINTER HAVEN	1333062.69'	736335.28'		142.90'	138.56'	
1-7	IRR	PVC	2-2"	0.65'	∞	↕	IRC	NG	N/A	PRIVATE	1333062.09'	736333.61'		143.09'	142.44'	
1-8	FOC	PE	2-2"	2.50'	∞	↕	IRC	NG	N/A	FRONTIER	1333062.15'	736331.42'		143.23'	140.73'	
1-9	BT	DBC	1.5"	2.70'	●	↕	IRC	NG	N/A	FRONTIER	1333062.21'	736330.06'		143.39'	140.69'	
1-10	GM	STL	3.5"	2.35'	◯	↘	IRC	NG	N/A	FLORIDA PUBLIC UTILITIES	1333338.35'	736257.38'		139.89'	137.54'	
Notes: TH# 1-3 - POSSIBLE 6" PVC, UNABLE TO VISUALLY VERIFY SIZE AND MATERIAL DUE TO WATER AND CAVE-IN.																
TH# 1-6 - POSSIBLE 6" PVC, UNABLE TO VISUALLY VERIFY SIZE AND MATERIAL DUE TO WATER AND CAVE-IN.																
												Prepared by: EU Date: 8/21/2024				
												Checked by: CM/MA Date: 8/22/2024				

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

Date:	08/19/2024	Test Hole Data Report								Crew Members: DO,JR,JF,ZD,BP					
ECHO Project #:	24-320	4803 George Road, Ste. 350 Tampa, Florida 33634 400 SR 434, Ste. 1024 Oviedo, Florida 32765		 UTILITY ENGINEERING & SURVEY		ECHO UES, Inc. www.echoues.com 888.778.ECHO - GROW, INSPIRE, MAKE A DIFFERENCE -		City, State: Winter Haven, FL							
Financial Project #:	N/A							General Location: Cooley Rd							
Truck No.:	VT-1 / D-13							Coordinate Unit of Measure: US Survey Feet							
Utility Type				Utility Material				Identified By:		Abbreviations		Offset Measured From:			
BE = Buried Electrical		RCW = Reclaimed Water		AC = Transite		GALV = Galvanized Pipe		HUB = Survey Hub		N/A = Not Applicable		EP= Edge of Pavement			
GM = Gas Main		TS = Traffic Signal		CI= Cast Iron		HDPE = High Density Polyethylene Pipe		IRC = Iron Rod & Cap "ECHO TEST HOLE"		NAD = North American Datum		BC = Back of Curb			
BT = Buried Telephone		SL = Street Light		CP = Concrete Pipe		PE = Polyethylene Pipe		NL = Nail & Disk "ECHO TEST HOLE"				BL = Baseline of Survey			
FOC = Fiber Optic Cable		IRR = Irrigation Line		DBC = Direct Buried Cable		PVC = Polyvinyl Chloride		SLEEVE = Sleeve		NAVD = North American Vertical Datum		COORD = Survey Coordinates			
WM = Water Main		GS = Gas Service		CMP = Corrugated Metal Pipe		STL = Steel		X = "X" in Concrete				CL = Centerline			
SAN = Sanitary Sewer		WS = Water Service		CONC = Concrete		VCP = Vitrified Clay Pipe		Surface Type		UNK = Unknown		HUB = Survey Hub			
STM = Storm Sewer		UNK = Unknown Utility		CPP = Corrugated Plastic Pipe		PCCP = Prestressed Cylinder Concrete Pipe		ASPH = Asphalt				RW = Right of Way			
CATV = Cable Television		BED = Buried Electrical Duct		DCT = Duct		Pipe		CONC = Concrete				ST = Swing Ties			
FM = Force Main		BTD = Buried Telephone Duct		DIP = Ductile Iron Pipe		RCP = Reinforced Concrete Pipe		NG = Natural Ground				X = "X" in Concrete			
Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View		Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums:		Horizontal: NAD83/11 Vertical: NAVD88	Ground Elevation	Utility Elevation
											Northing				
1-11	BT	DBC	1.5"	2.72'	•		IRC	NG	N/A	FRONTIER	1333319.79'	736240.56'	140.06'	137.34'	
1-12	FM	PVC	6"	3.16'	○		IRC	NG	N/A	CITY OF WINTER HAVEN	1333317.23'	736238.00'	139.86'	136.70'	
1-13	FOC	PE	2-1.5"	2.65'	○ ○		IRC	NG	N/A	FRONTIER	1333317.60'	736238.55'	140.03'	137.38'	
1-14	GM	STL	3.5"	2.60'	○		IRC	NG	N/A	FLORIDA PUBLIC UTILITIES	1333542.05'	736035.96'	137.71'	135.11'	
1-15	FOC	PE	2-1.5"	2.62'	○ ○		IRC	NG	N/A	FRONTIER	1333520.40'	736019.05'	136.98'	134.36'	
1-16	BT	DBC	1.5"	2.26'	•		IRC	NG	N/A	FRONTIER	1333523.89'	736019.31'	137.54'	135.28'	
1-17	FM	PVC	6"	2.10'	○		IRC	NG	N/A	CITY OF WINTER HAVEN	1333519.41'	736017.79'	136.95'	134.85'	
1-18	GM	STL	3.5"	2.70'	○		IRC	NG	N/A	FLORIDA PUBLIC UTILITIES	1333746.34'	735822.94'	140.32'	137.62'	
1-19	BT	DBC	1.5"	2.26'	•		IRC	NG	N/A	FRONTIER	1333730.09'	735801.85'	141.50'	139.24'	
1-20	FOC	PE	2-2"	2.86'	○ ○		IRC	NG	N/A	FRONTIER	1333729.02'	735800.80'	141.49'	138.63'	
Notes: TH# 1-12 - POSSIBLE 6" PVC, UNABLE TO VISUALLY VERIFY SIZE AND MATERIAL DUE TO WATER AND CAVE-IN.															
												Prepared by: EU Date: 8/21/2024			
												Checked by: CM/MA Date: 8/22/2024			

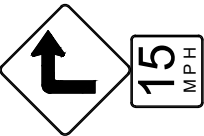
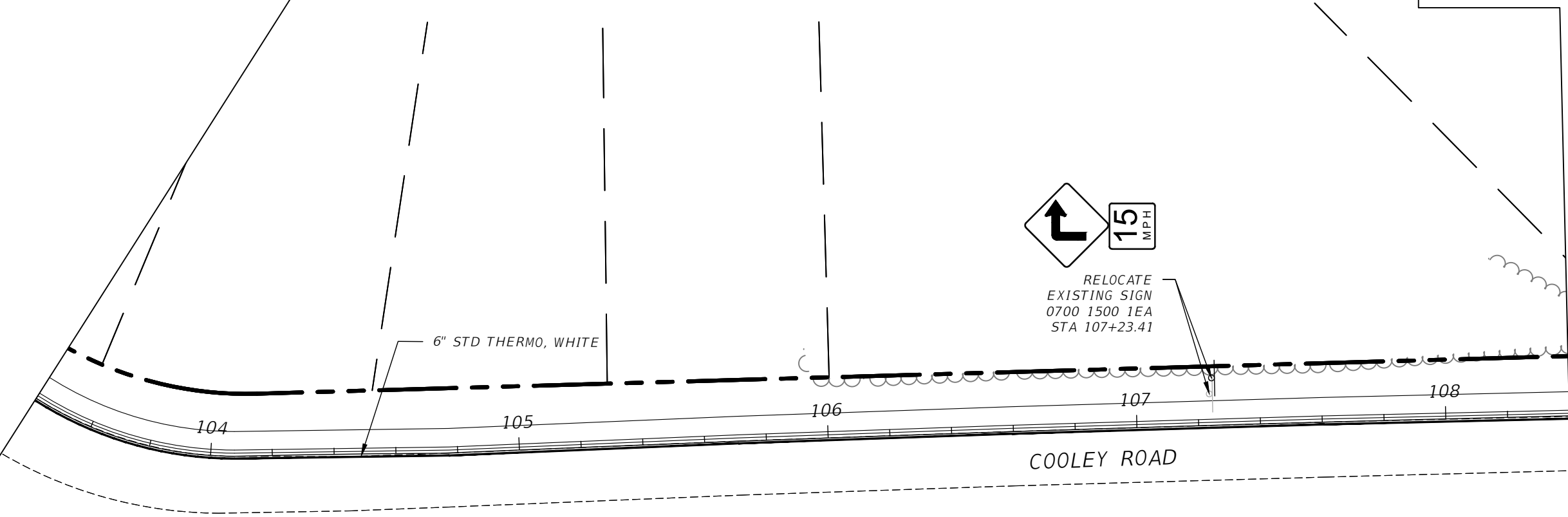
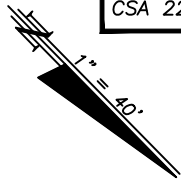
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

Date:	08/19/2024	Test Hole Data Report								Crew Members: DO,JR,JF,ZD,BP							
ECHO Project #:	24-320	4803 George Road, Ste. 350 Tampa, Florida 33634 400 SR 434, Ste. 1024 Oviedo, Florida 32765		 UTILITY ENGINEERING & SURVEY		ECHO UES, Inc. www.echoues.com 888.778.ECHO - GROW. INSPIRE. MAKE A DIFFERENCE -		City, State: Winter Haven, FL									
Financial Project #:	N/A							General Location: Cooley Rd									
Truck No.:	VT-1 / D-13							Coordinate Unit of Measure: US Survey Feet									
Utility Type			Utility Material				Identified By:			Abbreviations		Offset Measured From:					
BE = Buried Electrical			RCW = Reclaimed Water				AC = Transite			GALV = Galvanized Pipe		HUB = Survey Hub		N/A = Not Applicable		EP= Edge of Pavement	
GM = Gas Main			TS = Traffic Signal				CI= Cast Iron			HDPE = High Density Polyethylene Pipe		IRC = Iron Rod & Cap "ECHO TEST HOLE"		NAD = North American Datum		BC = Back of Curb	
BT = Buried Telephone			SL = Street Light				CP = Concrete Pipe			PE = Polyethylene Pipe		NL = Nail & Disk "ECHO TEST HOLE"		NAVD = North American Vertical Datum		BL = Baseline of Survey	
FOC = Fiber Optic Cable			IRR = Irrigation Line				DBC = Direct Buried Cable			PVC = Polyvinyl Chloride		SLEEVE = Sleeve		COORD = Survey Coordinates			
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SAN = Sanitary Sewer			WS = Water Service				CONC = Concrete			VCP = Vitrified Clay Pipe		Surface Type		UNK = Unknown		HUB = Survey Hub	
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CATV = Cable Television			BED = Buried Electrical Duct				DCT = Duct			Pipe		CONC = Concrete		ST = Swing Ties			
FM = Force Main			BTD = Buried Telephone Duct				DIP = Ductile Iron Pipe			RCP = Reinforced Concrete Pipe		NG = Natural Ground		X = "X" in Concrete			
Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	 Utility Direction	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums:		Horizontal: NAD83/11	Ground Elevation	Utility Elevation		
													Vertical: NAVD88				
											Northing	Easting					
1-21	FM	PVC	6"	3.74'			IRC	NG	N/A	CITY OF WINTER HAVEN	1333726.82'	735799.65'	141.53'	137.79'			
1-22	WM	PVC	10"	3.82'			IRC	NG	N/A	CITY OF WINTER HAVEN	1333722.72'	735793.84'	141.65'	137.83'			
1-23	FM	HDPE	6"	3.55'			IRC	NG	N/A	CITY OF WINTER HAVEN	1333926.58'	735751.87'	144.51'	140.96'			
1-24	WM	PVC	10"	4.92'			IRC	NG	N/A	CITY OF WINTER HAVEN	1333873.54'	735689.39'	143.64'	138.72'			
1-25	BT	DBC	1.5"	2.38'			IRC	NG	N/A	FRONTIER	1333878.98'	735696.33'	144.19'	141.81'			
1-26	FOC	PE	1.5"	2.11'			IRC	NG	N/A	FRONTIER	1333878.60'	735695.81'	144.21'	142.10'			
Notes:																	
														Prepared by: EU Date: 8/21/2024			
														Checked by: CM/MA Date: 8/22/2024			

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Date:	08/19/2024	Test Hole Data Report										Crew Members: DO,JR,JF,ZD,BP			
ECHO Project #:	24-320	4803 George Road, Ste. 350 Tampa, Florida 33634 400 SR 434, Ste. 1024 Oviedo, Florida 32765		 UTILITY ENGINEERING & SURVEY		ECHO UES, Inc. www.echoues.com 888.778.ECHO - GROW, INSPIRE, MAKE A DIFFERENCE -		City, State: Winter Haven, FL							
Financial Project #:	N/A							General Location: Cooley Rd							
Truck No.:	VT-1 / D-13							Coordinate Unit of Measure: US Survey Feet							
Utility Type					Utility Material					Identified By:		Abbreviations		Offset Measured From:	
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FOC = Fiber Optic Cable		IRR = Irrigation Line		DBC = Direct Buried Cable		PVC = Polyvinyl Chloride		SLEEVE = Sleeve		COORD = Survey Coordinates					
WM = Water Main		GS = Gas Service		CMP = Corrugated Metal Pipe		STL = Steel		X = "X" in Concrete		Vertical Datum		CL = Centerline			
SAN = Sanitary Sewer		WS = Water Service		CONC = Concrete		VCP = Vitrified Clay Pipe		Surface Type		UNK = Unknown		HUB = Survey Hub			
STM = Storm Sewer		UNK = Unknown Utility		CPP = Corrugated Plastic Pipe		PCCP = Prestressed Cylinder Concrete Pipe		ASPH = Asphalt				RW = Right of Way			
CATV = Cable Television		BED = Buried Electrical Duct		DCT = Duct		Pipe		CONC = Concrete				ST = Swing Ties			
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Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	 Utility Direction	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums:		Horizontal: NAD83/11 Vertical: NAVD88	Ground Elevation	Utility Elevation
											Northing Easting				
1-1	GM	STL	2"	2.85'	○	↕	IRC	NG	N/A	FLORIDA PUBLIC UTILITIES	1332761.21'	736367.24'	140.26'	137.41'	
1-2	IRR	PVC	2-2"	1.00'	∞	↕	IRC	NG	N/A	PRIVATE	1332759.44'	736338.44'	140.88'	139.88'	
1-3	FM	PVC	6"	3.55'	○	↕	IRC	NG	N/A	CITY OF WINTER HAVEN	1332759.41'	736337.55'	140.91'	137.36'	
1-4	FOC	PE	2-2"	2.34'	○○	↕	IRC	NG	N/A	FRONTIER	1332759.16'	736335.20'	141.19'	138.85'	
1-5	GM	STL	2"	2.35'	○	↕	IRC	NG	N/A	FLORIDA PUBLIC UTILITIES	1333059.88'	736365.57'	142.07'	139.72'	
1-6	FM	PVC	6"	4.34'	○	↕	X	NG	N/A	CITY OF WINTER HAVEN	1333062.69'	736335.28'	142.90'	138.56'	
1-7	IRR	PVC	2-2"	0.65'	∞	↕	IRC	NG	N/A	PRIVATE	1333062.09'	736333.61'	143.09'	142.44'	
1-8	FOC	PE	2-2"	2.50'	∞	↕	IRC	NG	N/A	FRONTIER	1333062.15'	736331.42'	143.23'	140.73'	
1-9	BT	DBC	1.5"	2.70'	●	↕	IRC	NG	N/A	FRONTIER	1333062.21'	736330.06'	143.39'	140.69'	
1-10	GM	STL	3.5"	2.35'	○	↘	IRC	NG	N/A	FLORIDA PUBLIC UTILITIES	1333338.35'	736257.38'	139.89'	137.54'	
Notes: TH# 1-3 - POSSIBLE 6" PVC, UNABLE TO VISUALLY VERIFY SIZE AND MATERIAL DUE TO WATER AND CAVE-IN.															
TH# 1-6 - POSSIBLE 6" PVC, UNABLE TO VISUALLY VERIFY SIZE AND MATERIAL DUE TO WATER AND CAVE-IN.															
												Prepared by: EU Date: 8/21/2024			
												Checked by: CM/MA Date: 8/22/2024			

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RELOCATE
EXISTING SIGN
0700 1500 1EA
STA 107+23.41

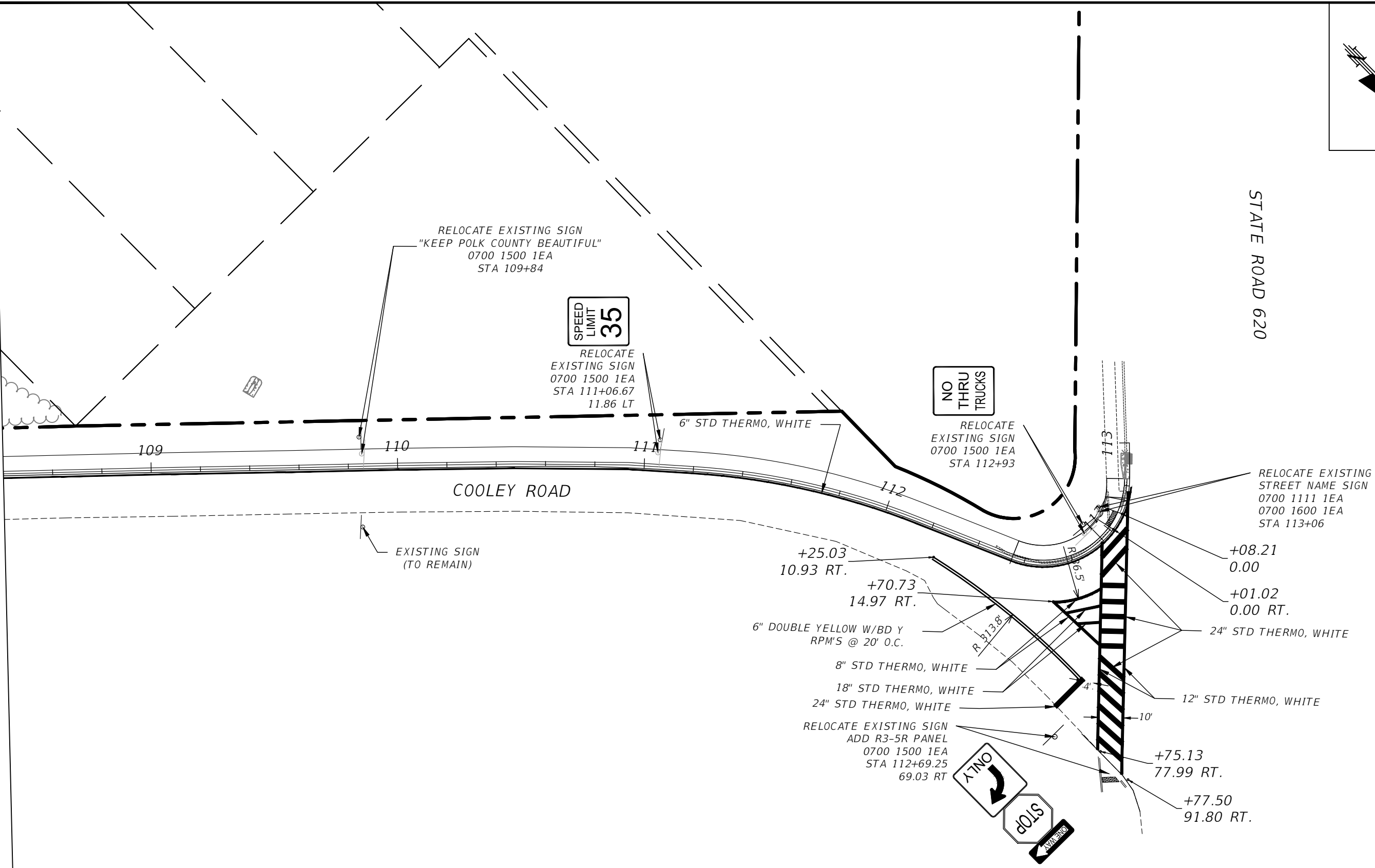
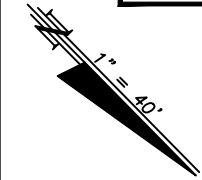
R E V I S I O N S											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JULIO F. ORDONEZ, P.E.
FLORIDA P.E. LICENSE NUMBER 42023
HNTB CORPORATION
201 N FRANKLIN STREET, STE 1200
TAMPA, FL 33602

POLK COUNTY
ROADS AND DRAINAGE

APPROVED BY: DATE:

SIGNING AND PAVEMENT MARKING

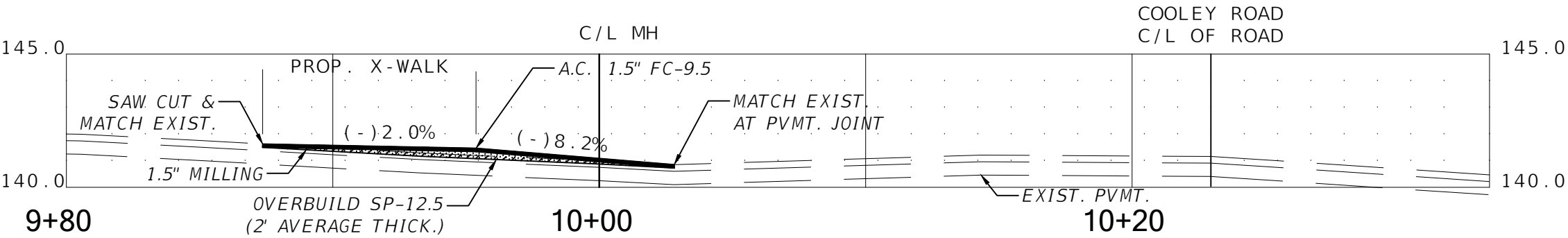


REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

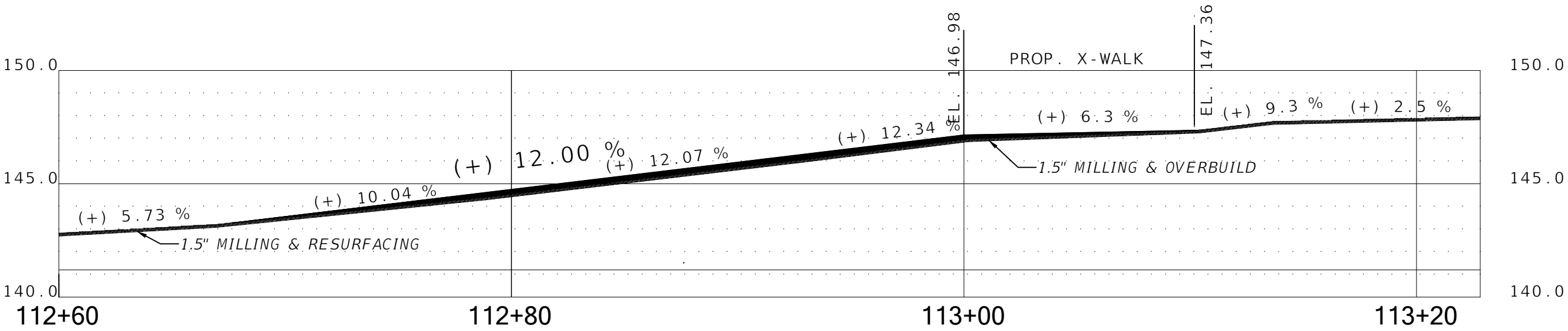
JULIO F. ORDONEZ, P.E.
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TAMPA, FL 33602

POLK COUNTY
ROADS AND DRAINAGE
APPROVED BY: DATE:

SIGNING AND PAVEMENT MARKING



NORMANDY DRIVE PROFILE ALONG C/L OF DRIVEWAY



COOLEY ROAD PROFILE ALONG B/L OF CONSTRUCTION

LEGEND:

1.5" FC-12.5

OVERBUILD (2.0" AVE.)

1.5" MILLING

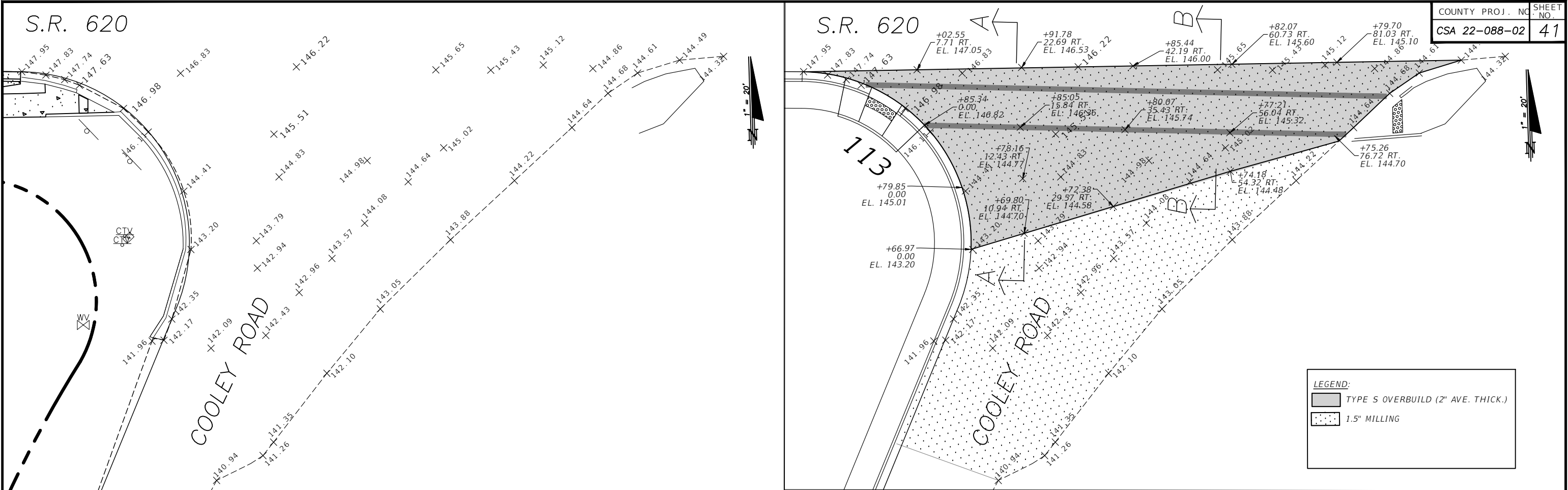
REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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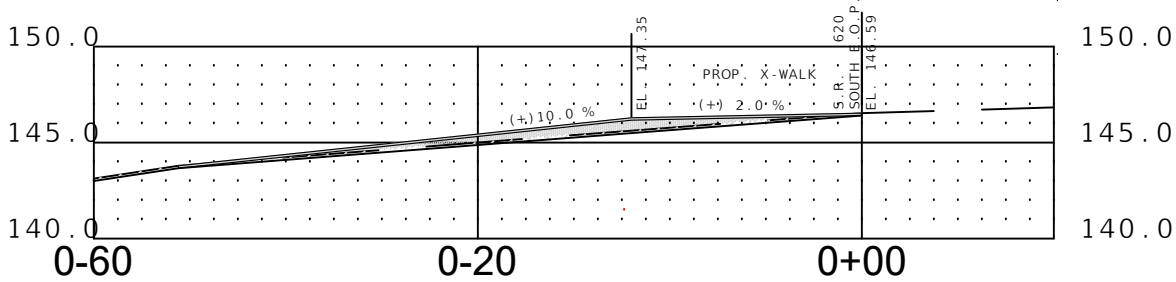
ROADWAY SPECIAL PROFILES

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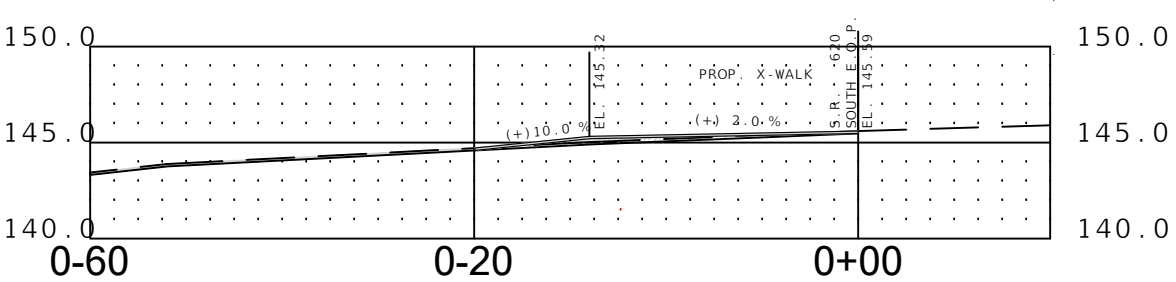


EXISTING INTERSECTION GRADING

PROPOSED INTERSECTION GRADING



SECTION A-A



SECTION B-B

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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201 N FRANKLIN STREET, STE 1200
TAMPA, FL 33602

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INTERSECTION DETAIL