

**COLUMBIA COUNTY, FLORIDA  
BOARD OF COUNTY COMMISSIONERS**

**INVITATION TO BID  
2025-06  
HOWELL ROAD AND ELLISVILLE ACCESS ROAD**

The Board of County Commissioners (County) will receive sealed proposals in the office of Commissioners, 135 NE Hernando Avenue, Suite 203, Lake City, FL 32055, until **2:00 PM** local time on **JULY 17, 2025** for the following:

**HOWELL ROAD AND ELLISVILLE ACCESS ROAD**

Work on this project includes widening, paving and drainage improvements to Howell Road and construction of a new access road. Major items of work will include, but are not limited to, maintenance of traffic, clearing and grubbing, erosion control, grading, stabilizing, base construction, earthwork, curb and gutter, pond construction, asphalt paving, turnout improvements, grassing, signal installation at US 41 and Access Rd., updated signs and pavement markings.

The Bid Forms and specifications may be obtained from the County's web site at <http://www.columbiacountyfla.com/PurchasingBids.asp>. Deadline for questions regarding construction plans, specifications, and/or bid documents must be received before **5:00 P.M.** on **JULY 10, 2025**.

The successful bidder may be required to furnish a 5% bid bond with bid submittal, and if selected, furnish the County Manager with a performance bond, and proof liability insurance prior to commencing work. The Columbia County Board of County Commissioners reserve the right to reject any or all bids and to add to the contract or delete from the contract to stay within their funding capabilities.

All Proposers are advised that under Chapter 119, Florida Statutes, all responses are deemed a public record and open to the public as provided for in said statute.

**COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS**  
**COLUMBIA COUNTY PROJECT NO. 2025-06**  
**HOWELL ROAD AND ELLISVILLE ACCESS ROAD**

**BID SOLICITATION**

The Columbia County Board of County Commissioners, Columbia County, Florida will receive sealed bids from Florida certified contractors, at the County Administration Building, addressed to the attention of **Board of County Commissioners Columbia County, Florida** until **2:00 P.M., on July 17, 2025**. Bids will be publicly opened and read aloud at the County Administration Building, 135 NE Hernando Avenue, Suite 203, Lake City, FL 32055, **after that time** for the following:

Work on this project includes widening, paving and drainage improvements to Howell Road and construction of a new access road. Major items of work will include, but are not limited to, maintenance of traffic, clearing and grubbing, erosion control, grading, stabilizing, base construction, earthwork, curb and gutter, pond construction, asphalt paving, turnout improvements, grassing, signal installation at US 41 and Access Rd., updated signs and pavement markings.

The Board of County Commissioners may accept all or part of any bid. Any bid received after **2:00 P.M., on July 17, 2025**, will be retained at the County Administration Building, unopened, and will not be considered. The Board of County Commissioners reserves the right to reject all bids, waive formalities and re- advertise and award the bid in the best interest of Columbia County.

The Board of County Commissioners does not discriminate because of race, creed, color, national origin, or handicap status.

The Board of County Commissioners requires a Sworn Statement under section 287.133(3)(a), F.S., on Public Entity Crimes.

A Bid Guarantee in the form of a Bid Bond properly executed by the Bidder and by a qualified surety or a certified or cashier's check on any national or state bank, in a sum not less than five percent (5%) of the amount bid, made payable to Columbia County, c/o Clerk of the Circuit Court, must accompany each bid as a guarantee that the bidder will not withdraw from the competition after opening of the bids, and in the event the contract is awarded to the bidder he will within fifteen (15) days, after the notice of Award, enter into a contract with the Owner. If the bidder fails to enter into a contract with the Owner, he shall forfeit the Bid Guarantee or Bid Bond as liquidated damages. The Bid Bond must be secured from an agency of Surety with an Insurance Company, which agency shall have an established place of business in the State of Florida, and be duly licensed to conduct business therein.

The following condition will be a part of the contract as required by Columbia County:

**COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS  
COLUMBIA COUNTY PROJECT NO. 2025-06  
REPAVING HOWELL ROAD AND CONSTRUCTION OF AN ACCESS ROAD**

Contractor shall utilize the U.S. Department of Homeland Security's E-Verify system, in accordance with the terms governing use of the system, to confirm the employment eligibility of;

1. all persons employed by the Vendor/Contractor during the term of the Contract to perform employment duties within Florida; and
2. all persons, including subcontractors, assigned by the Vendor/Contractor to perform work pursuant to the contract with Columbia County.

Successful Bidders will be required to furnish a Public Construction Bond in the amount of 100% of the Contract Price, on the form included in the Bid Documents.

Bid information can be found on Columbia County's website. Bid Packages may be obtained from <https://www.columbiacountyfla.com/PurchasingBids.asp>. *All addenda issued in regard to this project will also be available via the County website and will be the sole responsibility of the Contractor to obtain.* Plans for review only will be located at the County Administration office (386)-758-1005. Any questions concerning specifications and/or bid documents should be directed to Erica Jones, Purchasing Officer. The deadline for questions is **5:00 P.M., on July 10, 2025**. All bids must be labeled on the outside of the envelope as:

**“BOARD OF COUNTY COMMISSIONERS COLUMBIA COUNTY, FLORIDA  
BID ENCLOSED FOR HOWELL AND ACCESS ROAD  
COLUMBIA COUNTY PROJECT NO. 2025-06  
“BIDDING COMPANY NAME”**

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## **SECTION I. GENERAL INSTRUCTIONS**

These instructions will bind bidders and conditions herein set forth, except as specifically qualified in special bid and contract terms issued with any individual bid.

1. The following criteria are used in determining low responsible bidder:
  - A. The ability, capacity and skill of bidder to perform required service.
  - B. Whether the bidder can perform service promptly or within specified time.
  - C. The determined character, integrity, reputation, judgment, experience and efficiency of bidder.
  - D. The performance of previous contracts with Columbia County or entities similar to Columbia County.
  - E. The suitability of equipment or material for County use.
  - F. The ability of bidder to provide future maintenance.
2. Payment Terms are net thirty (30) unless otherwise specified. Favorable terms, discounts, may be offered and will be considered in determining low bids if they are deemed by Purchasing Department to be advantageous to the County.
3. All bids should be tabulated, totaled and checked for accuracy. Where applicable, the provided unit price will prevail in case of discrepancies or other errors.
4. All requested information shall be included in the envelope. All desired information must be included for your bid to receive full consideration.
5. If anything on the bid request is not clear, you should contact the Purchasing Officer immediately.
6. A bidders list is available at the Purchasing Office.
7. Quote all prices F.O.B. our warehouse or as specified in bid documents.
8. Each proposal shall be clearly marked on the outside of the envelope including Fed Ex, UPS or other delivery service envelopes, as a sealed bid. The name of the item being bid shall be shown on the outside in full.
9. The County shall not be liable for any bid opened prematurely if that bid was not sealed in a properly marked envelope.
10. If only one (1) bid is received, the bid may be rejected and re-advertised or accepted if determined to be in the counties best interest.
11. Bids received late will not be accepted. It is the bidder's sole responsibility to ensure proposals are timely delivered and received before the deadline.
12. Telephone and facsimile bids will not be accepted under any circumstances. Should a timely delivered bid be misplaced by the County but later found before ranking occurs, the

bid will be considered. A bidder may request a receipt showing the day and time a bid envelope is delivered to the appropriate office of the County.

13. Bids requiring bid bonds will not be accepted if bond is not enclosed. Cash or certified check will be accepted in lieu of bond except on construction projects with a project budget exceeding \$40,000.
14. Upon request of the Purchasing Office or County Manager, a bidder must provide proof that the bidder has the requisite organization, capital, plant, stock, ability, and experience to perform the contract contemplated by the Request for Proposals/Qualifications or Invitation to Bid.
15. Any alterations, erasures, additions, or omissions of required information or any changes to specifications or bidding schedule are done at the risk of the bidder. Any bid will be rejected that has a substantial variation, that is; a variation that affects price, quantity, and quality or delivery date (when delivery is required by a specific time).
16. When requested, samples will be furnished to the County free of expense, properly marked for identification and accompanied by a list where there is more than one (1) sample. The County reserves the right to mutilate or destroy any sample submitted whenever it may be to the best interest of the County to do so for the purpose of testing.
17. The County will reject any material, supplies or equipment that did not meet the specifications, even though the bidder lists the trade names or names of such material on the bid or price quotation form.
18. The unauthorized use of patented articles is done entirely at the risk of the successful bidder.
19. The ESTIMATED QUANTITY given in the specifications or advertisements is for the purpose of bidding only. The County may purchase more or less than the estimated quantity and the vendor must not assume that such estimated quantity is part of the contract.
20. Only the latest model equipment as evidenced by the manufacture's current published literature will be considered. Obsolete models of equipment not in production will not be acceptable. The equipment shall be composed of new parts and materials. Any unit containing used parts or having seen any service other than the necessary tests will be rejected. In addition to the equipment specifically called for in the specification, all equipment catalogued by the manufacturer as standard or required by the State of Florida shall be furnished with the equipment. Where required by the State of Florida Motor Vehicle Code, vehicles shall be inspected and bear the latest inspection sticker of the Florida Department of Revenue.
21. The successful bidder on motor vehicle equipment shall be required to furnish with delivery of vehicle, certificate of origin and any other appropriate documentation as required by the Florida Motor Vehicle Department.
22. Prospective bidders are required to examine the location of the proposed work or delivery

and determine, in their own way, the difficulties, which are likely to be encountered in the prosecution of the same.

23. All materials, equipment and supplies shall be subject to rigid inspection, under the immediate supervision of the Purchasing Department, its designee and /or the department to which they are delivered. If defective material, equipment, or supplies are discovered, the contractor, upon being instructed by the Purchasing Department or designee, shall remove, or make good such material, equipment, or supplies without extra compensation. It is expressly understood and agreed that the inspection of materials by the County will in no way lessen the responsibility of the Contractor release him from his obligation to perform and deliver to the County sound and satisfactory materials, equipment, or supplies. The Contractor agrees to pay the costs of all tests upon defective material, equipment, or supplies or allow the costs to be deducted from any monies due him from the County.
24. Unless otherwise specified by the Purchasing Department all materials, supplies, or equipment quoted herein must be delivered within thirty (30) days from the day of notification or exceptions noted on bid sheets.
25. A contract will not be awarded to any corporation, firm, or individual who is, from any cause, in arrears to the County or who has failed in former contracts with the County to perform work satisfactorily, either to the character of the work, the fulfillment or guarantee, or the time consumed in completing the work.
26. Reasonable grounds for supposing that any bidder is interested in more than one proposal for the same item will be considered sufficient cause for rejection of all proposals in which he is interested.
27. Submitting a proposal when the bidder intends to sublet the contract may be a cause for rejection of bids or cancellation of the contract by the County Manager.
28. Unless otherwise specified, the County reserves the right to award each items separately or on a lump sum basis whichever is in the best interest of the County.
29. The County reserves the right to reject any quotations or specifications and the right to waive minor discrepancies as to all bidders equally, when such rejection or waiver is deemed to be in the best interest of the County. For unit priced items, the County may elect to purchase part, all, or none of the materials, supplies, or equipment specified in a bid.
30. The bidder or the bidder's authorized representative or agent must sign the bid in the space provided. Unsigned bids will be rejected. Signature must be "wet" signatures in ink. Typewritten or printed signatures will not be accepted.
31. Any bidder may withdraw his/her bid at any time before the time set for the opening of the bids.
32. It is mutually understood and agreed that if at any time the Purchasing Department or designee shall be of the opinion that the contract or any part thereof is unnecessarily delayed or that the rate of progress or delivery is unsatisfactory, or that the contractor is

willfully violating any of the conditions or covenants of the agreement, or executing the same in bad faith, the Purchasing Department or his/her designee shall have the power to notify the contractor of the nature of the complaint. Notification shall constitute delivery of notice, or letter to address given in the proposal. If after three (3) working days of notification the conditions are not corrected to the satisfaction of the Purchasing Officer, he shall have the power to take whatever action necessary to complete the work or delivery and the expense shall be deducted from any paid by the County out of such monies as may become due to the said contractor. In case such expense shall exceed the last said sum, then and in that event, the bondsman or the contractor, his/her executors, administrators, successors, or assigns, shall pay the amounts of such excess to the County on notice made by the Purchasing Department or his/her designee of the excess due.

33. If the bidder proposes to furnish any item of foreign make or product, he shall write "foreign" together with the name of the originating country opposite such item on a proposal.
34. Any complaint from bidders relative to the invitation to bid or attached specifications shall be made prior to the time of opening bids; otherwise, the bidder waives any such complaint.
35. Contracts may be cancelled by the County with or without cause on thirty- (30) days advance written notice.
36. All contractors submitting bids for road projects in excess of \$250,000 must be pre-qualified with the Florida Department of Transportation and shall provide proof of such qualification.
37. Any bidder affected adversely by an intended decision with respect to the award of any bid, shall file with the Purchasing Department for Columbia County, a written notice of intent to file a protest not later than seventy-two (72) hours (excluding Saturdays, Sundays and legal holidays), after the posting of the bid tabulation. Protest procedures may be obtained in the Purchasing Department.
38. A person or affiliate who has been placed on the convicted vendor's list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to Columbia County, may not submit a bid on a contract with Columbia County for the construction or repair of a public building or public work, may not submit bids on leases of real property to Columbia County, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with Columbia County, and may not transact business with Columbia County for a period of 36 months from the date of being placed on the convicted vendor list.
39. Vendor/Contractor shall utilize the U.S. Department of Homeland Security's E-Verify system, in accordance with the terms governing use of the system, to confirm the employment eligibility of;
  - A. All persons employed by the Vendor/Contractor during the term of the Contract to perform employment duties within Florida; and
  - B. All persons, including subcontractors, assigned by the Vendor/Contractor to

perform work pursuant to the contract with the County.

40. Contractor shall register on line at <https://www.columbiacountyfla.com/PurchasingBids.asp> for this specific project. All addendums are delivered via email through this website, and it is the contractor's responsibility to ensure all addendums are used in the bid submittal.

**COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS  
COLUMBIA COUNTY PROJECT NO. 2025-06  
REPAVING HOWELL ROAD AND CONSTRUCTION OF AN ACCESS ROAD**

**BID SUMMARY  
(MUST PRECEDE ALL BID DOCUMENTS)**

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**BIDDER NAME, ADDRESS AND PHONE NUMBER**

**DESCRIPTION OF PROJECT:** Work on this project includes widening, paving and drainage improvements to Howell Road and construction of a new access road. Major items of work will include, but are not limited to, maintenance of traffic, clearing and grubbing, erosion control, grading, stabilizing, base construction, earthwork, curb and gutter, pond construction, asphalt paving, turnout improvements, grassing, signal installation at US 41 and Access Rd., updated signs and pavement markings.

**DATE & TIME OF BID OPENING:** July 17, 2025, 2 P.M.

**PLACE OF BID OPENING:** COLUMBIA COUNTY ADMINISTRATION  
135 NE HERNANDO AVENUE, SUITE 203  
LAKE CITY, FL 32055

**TOTAL BASE BID AMOUNT IN FIGURES:** \_\_\_\_\_

**TOTAL BASE BID AMOUNT IN WORDS:** \_\_\_\_\_

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**BIDDER COMPANY NAME (PRINT OR TYPE)**

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**SIGNATURE OF AUTHORIZED COMPANY REPRESENTATIVE**

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**AUTHORIZED COMPANY REPRESENTATIVE (PRINT OR TYPE)**

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**DATE COMPLETED**

**COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS  
COLUMBIA COUNTY PROJECT NO. 2025-06  
REPAVING HOWELL ROAD AND CONSTRUCTION OF AN ACCESS ROAD**

**IMPORTANT:**

**THIS BID SUMMARY MUST BE COMPLETED AND MUST PRECEDE ALL BIDDER  
PROPOSAL DOCUMENTS**

**\*ALTERNATE BIDS TO BE SUBMITTED ON NEXT PAGE WHEN APPLICABLE**

**BID FORM**

The undersigned, as bidder, hereby declares that he has examined the contract documents and informed himself fully in regard to all conditions pertaining to the work to be done; that he has examined the specifications for the work and other contract documents relative thereto; and that he has satisfied himself relative to the work to be performed.

The bidder agrees, if this bid is accepted, to contract with the Columbia County Board of County Commissioners to furnish everything necessary to complete the work covered by this bid and other contract documents for the Columbia County Board of County Commissioners. The Contractor assumes full responsibility for all quantities used in his/her bid. The contractor shall coordinate his construction with all proposed utilities on the site.

BIDDER NAME: \_\_\_\_\_

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REPAVING HOWELL ROAD AND CONSTRUCTION OF AN ACCESS ROAD**

Pay Item No.	Pay Item Description	Quantity	Units	Unit Price	Total Cost
101-1	Mobilization	1	LS		
102-1	Maintenance of Traffic	1	LS		
104-10-1	Bailed Hay	31	EA		
104-10-3	Sediment Barrier	10218	LF		
104-15	Soil Tracking Prevention Device	2	EA		
104-18	Inlet Protection System	14	EA		
110-1-1	Clearing & Grubbing	11.61	AC		
110-4	Removal of Existing Concrete Pavement	107.83	SY		
120-1	Regular Excavation	46353.00	CY		
120-4	Subsoil Excavation	12705.00	CY		
120-6	Embankment	1002.00	CY		
120-6-107	Embankment, Specified A3 Soil	1076.00	CY		
160-4	Type B Stabilization	14969.28	SY		
285701	Optional Base, Base Group 1	2351.00	SY		
285706	Optional Base, Base Group 10	13220.00	SY		
286-1	Turnout Construction	999.00	SY		
327-70-6	Milling 1.5"	2738.00	SY		
334-1-13	Superpave Asphaltic Conc, Traffic C	3034.00	TN		
337-1-1	Friction Course Asphaltic Conc, Traffic C	11.00	TN		
400-0-11	Concrete NS (Misc)	4.00	CY		
425-1-311	Inlets, Curb Type P-1	2.00	EA		
425-1-351	Inlet, Curb Type P-5	1.00	EA		
425-1-201	Inlet, Curb Type P-9	1.00	EA		
425-2-41	Manholes, P-7 <10	1.00	EA		
425-2-71	Manholes, J-7 <10	1.00	EA		
425-1-521	Inlets, DT BOT, Type C	4.00	EA		
425-1-542	Inlets, DT BOT, Type D	3.00	EA		
425-1-549	Inlets, DT BOT, Type D, Modify	1.00	EA		

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**REPAVING HOWELL ROAD AND CONSTRUCTION OF AN ACCESS ROAD**

425-1-553	Inlets, DT BOT, Type D, J Bottom	1.00	EA		
430-174-118	Pipe Culvert, 18" SD	154.00	LF		
430-175-118	Pipe Culvert, 18" S/CD	737	LF		
430-175-124	Pipe Culvert , 24" S/CD	303	LF		
430-175-136	Pipe Culvert , 36" S/CD	359	LF		
430-175-218	Pipe Culvert Arch S/CD 18"	105	LF		
430-175-224	Pipe Culvert Arch S/CD 24"	217	LF		
430-175-236	Pipe Culvert Arch S/CD 36"	45	LF		
430-175-242	Pipe Culvert Arch S/CD 42"	82	LF		
430-982-125	Mitered End Section, Optional Round 18" S/CD	1	EA		
430-982-629	Mitered End Section, -Ellip 24" CD	1	EA		
430-982-638	Mitered End Section, -Ellip 36" CD	2	EA		
430-984-125	Mitered End Section, Optional Round 18" SD	5	EA		
430-984-625	Mitered End Section, Ellip 18" SD	2	EA		
430-984-638	Mitered End Section, Ellip 36" SD	1			
520-70	Concrete Traffic Separator Special (Variable Width)	34.1	SY		
520-2-4	Concrete Curb & Gutter Type D	62	LF		
520-1-10	Concrete Curb & Gutter Type F	1473	LF		
522-1	Concrete Sidewalk and driveways, 4" thick	1450	SY		
522-2	Concrete sidewalk and driveways, 6" thick	63.00	SY		
527-2	Detectable Warnings	102.00	SF		
524-1-1	Concrete Ditch Pavement 3"	165.00	SY		
524-1-2	Concrete Ditch Pavement 4"	148.00	SY		
524-1-19	Concrete Ditch Pavement 3", Reinforces	47.58	SY		
530-74	Bedding Stone	80.10	TN		
530-3-4	Rubble Rip-Rap Ditch Lining	110.10	TN		
570-1-1	Performance Turf	9229.00	SY		
570-1-2	Performance Turf, Sod	36232.00	SY		
570-1-3	Performance Turf Sod Shoulder Treatment	50.00	SY		
700-1-11	Single Post Sign, F&I Ground Mount, Up To 12 SF	22	AS		

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REPAVING HOWELL ROAD AND CONSTRUCTION OF AN ACCESS ROAD**

700-1-600	Single Column Sign, Remove	1	AS		
700-13-15	Retroreflective Sign Strip	1	EA		
704-1-3	Tubular Marker 36" White Post	6	EA		
706-1-3	Raised Pavment Markers	734	AS		
710-90	Painted Pavment Markings Final Surface	1	LS		
630-2-11	Conduit, F&I Open Trench	134	LF		
630-2-12	Conduit, F&I Directional Bore	245	LF		
632-7-1	Signal Cable New or Reconstructed Intersection, F&I	1	LS		
634-4-153	Span Wire Assembly, F&I , Two Point, Box or Drop Box	1	PI		
635-2-11	Pull & Splice Box F&I, 13"x24"	5	EA		
635-2-13	Pull & Splice Box F&I, 30"x60"	1	EA		
639-1-112	Electrical Power Service F&I	1	AS		
639-2-1	Electrical Service Wire F&I	272	LF		
639-3-11	Electrical Service Disconnect	1	EA		
641-2-12	Prestressed Concrete Pole Type P2	1	EA		
641-2-17	Prestressed Concrete Pole Type P7	4	EA		
646-1-11	Aluminum Signal Poles Pedestal	2	EA		
650-1-14	Vehicular Traffic Signal, F&I 3 section 1 way	7	AS		
653-1-11	Pedestrian Signal F&I, LED Countdown 1 way	2	AS		
665-1-11	Pedestrian Detector, F&I	2	EA		
<b>Grand Total</b>					

**COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS  
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REPAVING HOWELL ROAD AND CONSTRUCTION OF AN ACCESS ROAD**

**Howell Road & Ellisville Access Road Utility Improvements - Base Bid**

Pay Item	Item Description	Notes*	Bid Quantity	Unit	Unit Price	Extended Price
1	Demolition	A	1	LS	\$	\$
2	18" AWWA C150 DI Casing	B	285	LF	\$	\$
3	8" PVC (SDR35) Gravity Main	C	135	LF	\$	\$
4	12" C900 (DR18) Potable Water Main	D	410	LF	\$	\$
5	12" Gate Valve, Resilient Wedge, MJ	E	3	EA	\$	\$
6	12" x 6" Tapping Sleeve with 6" Valve		1	EA	\$	\$
7	12" x 12" Tapping Sleeve with 12" Valve		1	EA	\$	\$
8	4' Precast Concrete Sanitary Manhole	F	1	EA	\$	\$
9	Dry Barrel Hydrant, 5-1/4" Barrel, MJ, Yellow	G	2	EA	\$	\$
<b>TOTAL CONTRACTOR BID:</b>						<b>\$</b>

**\* Notes:**

- A Item includes removal of existing fire hydrant north of Howell Road.
- B Item includes all pipe, joint accessories and end treatments for casing at four locations as noted in plans.
- C Item includes all pipe, joint accessories, identification and end connections to structures.
- D Item includes all pipe, joint accessories, fittings, appurtenances, restraints, identification, testing, and sample taps and disinfection (if applicable).
- E Item includes all joint accessories, identification and valve box assemblies for buried installations.
- F Item includes piping assembly, fittings and gate valves.
- G Item includes hydrant tee, 6" branch main, 6" gate valve, all joint accessories and RPM markers. Item includes all joint accessories and valve box assemblies for buried installations.

**BID ALTERNATIVE 1 DELETES BASE BID FOR UTILITIES**

**Howell Road & Ellisville Access Road Utility Improvements - Bid Alternative 1**

Pay Item	Item Description	Notes*	Bid Quantity	Unit	Unit Price	Extended Price
1	Demolition	A	1	LS	\$	\$
2	12" PVC (SDR35) Gravity Main	B	1,615	LF	\$	\$
3	8" PVC (SDR35) Gravity Main	B	135	LF	\$	\$
4	12" C900 (DR18) Potable Water Main (Trench)	C	2,380	LF	\$	\$
5	12" C900 (DR18) Potable Water Main (Jack & Bore)	D	100	LF	\$	\$
7	8" C900 (DR18) Potable Water Main	C	250	LF	\$	\$
8	12" Gate Valve, Resilient Wedge, MJ	E	9	EA	\$	\$
9	8" Gate Valve, Resilient Wedge, MJ	E	3	EA	\$	\$
10	12" x 6" Tapping Sleeve with 6" Valve		1	EA	\$	\$
11	12" x 12" Tapping Sleeve with 12" Valve		2	EA	\$	\$
12	4' Precast Concrete Sanitary Manhole (Depth Varies)		9	EA	\$	\$
13	Dry Barrel Hydrant, 5-1/4" Barrel, MJ, Yellow	F	5	EA	\$	\$
14	2" Combination Water ARVV with Vault	G	1	EA	\$	\$
15	8" x 1" Service Saddle with Corp Stop		2	EA	\$	\$
16	1" PVC (Sch 80) Water Service		10	LF	\$	\$
<b>TOTAL CONTRACTOR BID:</b>						<b>\$</b>

**\* Notes:**

- A Item includes water main abandonment in place on S&S Property in two locations and removal of existing fire hydrant north of Howell Road
- B Item includes all pipe, joint accessories, identification and end connections to structures.
- C Item includes all pipe, pipe casing, joint accessories, fittings, appurtenances, restraints, identification, testing, and sample taps and disinfection (if applicable).
- D Item includes all pipe, joint accessories, fittings, appurtenances, restraints, identification, testing, and sample taps and disinfection (if applicable).
- E Item includes all joint accessories, identification and valve box assemblies for buried installations.
- F Item includes hydrant tee, 6" branch main, 6" gate valve, all joint accessories and RPM markers. Item includes all joint accessories and valve box assemblies for buried installations.
- G Item includes tapping saddle and precast vault with frame and cover.

**COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS  
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REPAVING HOWELL ROAD AND CONSTRUCTION OF AN ACCESS ROAD**

ADDENDA	
NUMBER	DATE SENT

<b>BID TOTAL FOR HOWELL AND ACCESS ROAD (BASE)</b>

<b>BID TOTAL FOR HOWELL AND ACCESS ROAD (BID ALT 1)</b>

Bidder Name: \_\_\_\_\_

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**ALL ITEMS MAY BE INCREASED, DECREASED, OR OMITTED AS DIRECTED BY THE ENGINEER.**

**ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO BOTH THE REQUIREMENTS OF THE LATEST FDOT  
STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE LATEST FDOT DESIGN  
STANDARDS.**

**ALL INCIDENTAL WORK INCLUDED IN THESE ITEMS  
ALL UNIT PRICE AND TOTAL SPACES MUST BE FILLED IN TO CORRELATE WITH EACH ITEM**

Note: contractors shall be in compliance with chapter 489, Florida statutes, licensure requirements.

Florida construction industries licensing board certification.

\_\_\_\_\_  
(name of holder)

\_\_\_\_\_  
(certificate no.)

In witness whereof, the bidder has hereunto set his signature and affixed his seal this \_\_\_\_\_ day  
of \_\_\_\_\_, A.D. 20 \_\_\_\_\_

\_\_\_\_\_  
(seal)

By: \_\_\_\_\_

Title: \_\_\_\_\_

Type or print name of firm: \_\_\_\_\_

Address: \_\_\_\_\_

Contact person: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

Fax no.: \_\_\_\_\_

**COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS  
COLUMBIA COUNTY PROJECT NO. 2025-06  
REPAVING HOWELL ROAD AND CONSTRUCTION OF AN ACCESS ROAD**

**General Requirements**

**I. General.**

Work on this project includes widening, paving and drainage improvements to Howell Road and construction of a new access road. Major items of work will include, but are not limited to, maintenance of traffic, clearing and grubbing, erosion control, grading, stabilizing, base construction, earthwork, curb and gutter, pond construction, asphalt paving, turnout improvements, grassing, signal installation at US 41 and Access Rd., updated signs and pavement markings.

**II. Contract Time**

The contract time shall be **180 Days** from the date of contract execution. The contractor will be required to return executed contract to Columbia County Board of County Commissioners within 14 days of Board approval. Time can be extended by mutual agreement of both parties. Liquidated damages shall be \$500.00 per day. No work is allowed on Sundays and/or County designated holidays.

**III. Construction and Materials**

All construction methods and materials shall conform to the requirements of the latest edition of the Florida Department of Transportation Design Standards and Florida Department of Transportation Standard Specifications for Road and Bridge Construction.

**IV. Maintenance of Traffic**

Contractor shall provide Maintenance of Traffic and it shall conform to the requirements of the latest edition of the Florida Department of Transportation Design Standards.

Flagging will be required and only one traffic lane may be closed at a time.

All construction signage shall be provided by the contractor.

**V. Compensation**

Payment shall be made on a monthly basis on work completed with a 5% retainage.

**COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS  
COLUMBIA COUNTY PROJECT NO. 2025-06  
REPAVING HOWELL ROAD AND CONSTRUCTION OF AN ACCESS ROAD**

**CHECKLIST**

- Bid Summary Page
- Sworn Entity Statement
- References
- E-Verify Form
- Subcontractor Listing
- Conflict of Interest Form
- Drug Free Workplace Form
- Non-Collusion Affidavit
- Bid Bond
- Copies of Applicable Business & Professional Licenses
- Proof of Insurance
- Any other documents in accordance with specifications

CONTRACT PLANS COMPONENTS  
 ROADWAY  
 SIGNING AND PAVEMENT MARKING  
 SIGNALIZATION

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
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2	SIGNATURE SHEET
3-6	TYPICAL SECTION
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8	DITCH BLOCK DETAILS
9-10	MISCELLANEOUS DETAILS
11	GENERAL NOTES
12	PROJECT LAYOUT
13-15	HOWELL RD PLAN & PROFILE
16	HOWELL RD DITCH PLAN
17-19	ACCESS RD PLAN & PROFILE
20	HOWELL RD WEST AND EAST CONNECTION PLAN & PROFILE
21	ACCESS RD WEST CONNECTION PLAN & PROFILE
22	STORMWATER FACILITY POND #1
23	STORMWATER FACILITY SWALE #1
24	INTERSECTION GRADING PLAN
25-26	HOWELL ROAD EROSION CONTROL PLAN
27-28	ACCESS ROAD EROSION CONTROL PLAN
29-35	HOWELL ROAD CROSS SECTIONS
36	HOWELL RD EAST CROSS SECTIONS
37-47	ACCESS ROAD CROSS SECTIONS
48	ACCESS ROAD WEST CROSS SECTION
49-50	HOWELL NORTH DITCH CROSS SECTIONS
51	DRAINAGE STRUCTURE DETAILS
52	STORMWATER POLLUTION PREVENTION PLAN
53	TEMPORARY TRAFFIC CONTROL PLAN NOTES
54-56	TEMPORARY TRAFFIC CONTROL PLAN PHASE 1B
57-59	TEMPORARY TRAFFIC CONTROL PLAN PHASE 2
60-62	TEMPORARY TRAFFIC CONTROL PLAN PHASE 3
SQ-1-SQ-8	SUMMARY OF QUANTITIES

**GOVERNING CRITERIA:**  
 Florida Department of Transportation; Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (2018 Edition)

**GOVERNING STANDARD PLANS:**  
 Florida Department of Transportation, FY2024-25 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website:  
<http://www.fdot.gov/design/Standardplans.shtm>

**APPLICABLE IRs:**

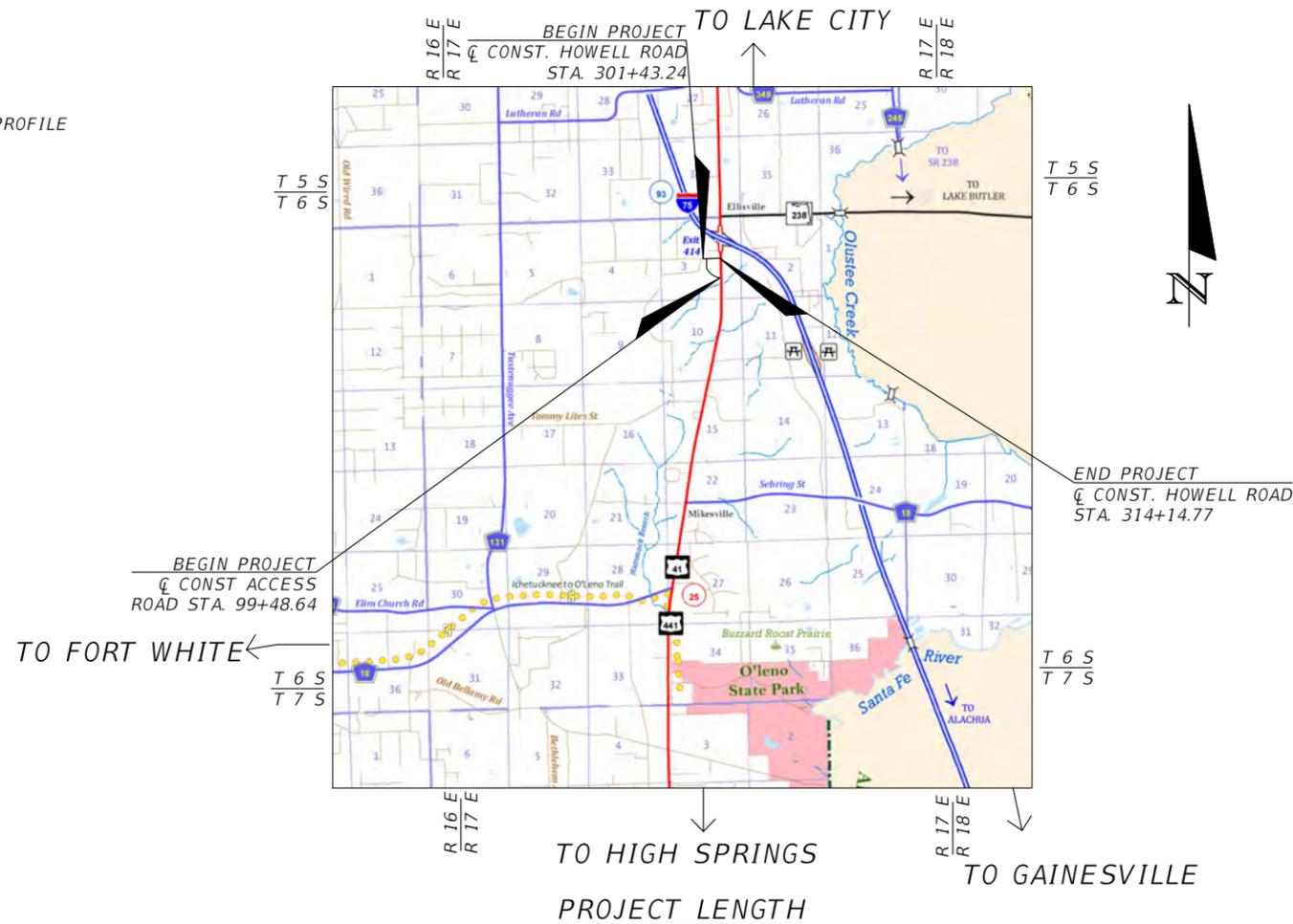
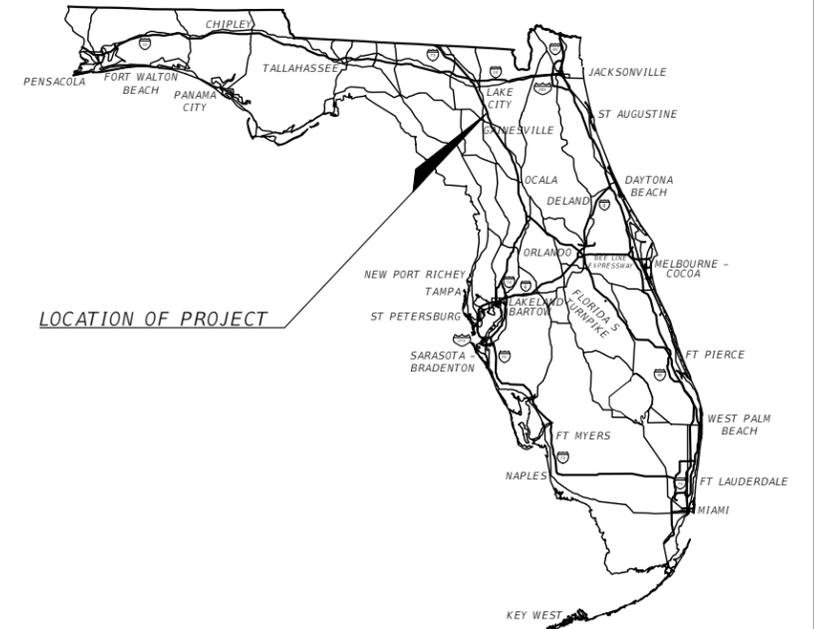
**GOVERNING STANDARD SPECIFICATIONS:**  
 Florida Department of Transportation, FY2024-25 Standard Specifications for Road and Bridge Construction are available at the following website:  
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

# CONTRACT PLANS HOWELL ROAD AND ELLISVILLE ACCESS ROAD

NFPS PROJECT ID L240722CCB

COLUMBIA COUNTY, FLORIDA

## ROADWAY PLANS



HOWELL ROAD - 0.24 MILES

ACCESS ROAD - 0.38 MILES

TOTAL - 0.62 MILES

THESE PLANS WERE PREPARED FOR THE COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS  
 PROJECT MANAGER

CHAD WILLIAMS, P.E.  
 COLUMBIA COUNTY ENGINEER

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

ROADWAY PLANS  
 ENGINEER OF RECORD:

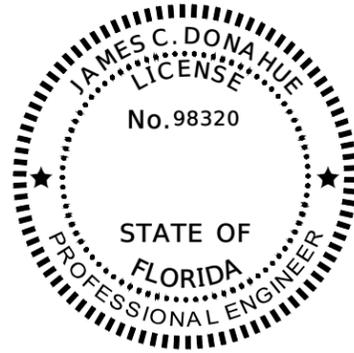
RYAN DOUGLAS ASMUS, P.E.  
 P.E. NO.:66626  
 NORTH FLORIDA PROFESSIONAL SERVICES, INC.  
 P.O. BOX 3823  
 LAKE CITY, FLORIDA 32056  
 386-752-4675

DRAINAGE PLANS  
 ENGINEER OF RECORD:

JAMES C. DONAHUE, P.E.  
 P.E. NO.:98320  
 KIMLEY-HORN & ASSOCIATES, INC  
 2619 CENTENNIAL BLVD. SUITE 200  
 TALLAHASSEE, FL 32308  
 (850) 553-3500

FISCAL YEAR	SHEET NO.
25	1

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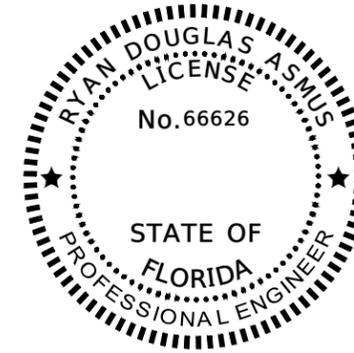
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KIMLEY-HORN AND ASSOCIATES, INC  
2619 CENTENNIAL BLVD, SUITE 200  
TALLAHASSEE, FL 32308  
JAMES C. DONAHUE,  
P.E. NO. 98320

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

### INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
8	DITCH BLOCK DETAILS
10	MISCELLANEOUS DETAILS
22	STORMWATER FACILITY POND #1
23	STORMWATER FACILITY SWALE #1
25-26	HOWELL ROAD EROSION CONTROL PLAN
27-28	ACCESS ROAD EROSION CONTROL PLAN
51	DRAINAGE STRUCTURE DETAILS
52	STORMWATER POLLUTION PREVENTION PLAN
SQ-3-SQ-8	SUMMARY OF QUANTITIES



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NORTH FLORIDA PROFESSIONAL SERVICES INC.  
P.O. BOX 3823  
LAKE CITY, FL 32056  
RYAN DOUGLAS ASMUS, P.E.  
P.E. NO. 66626

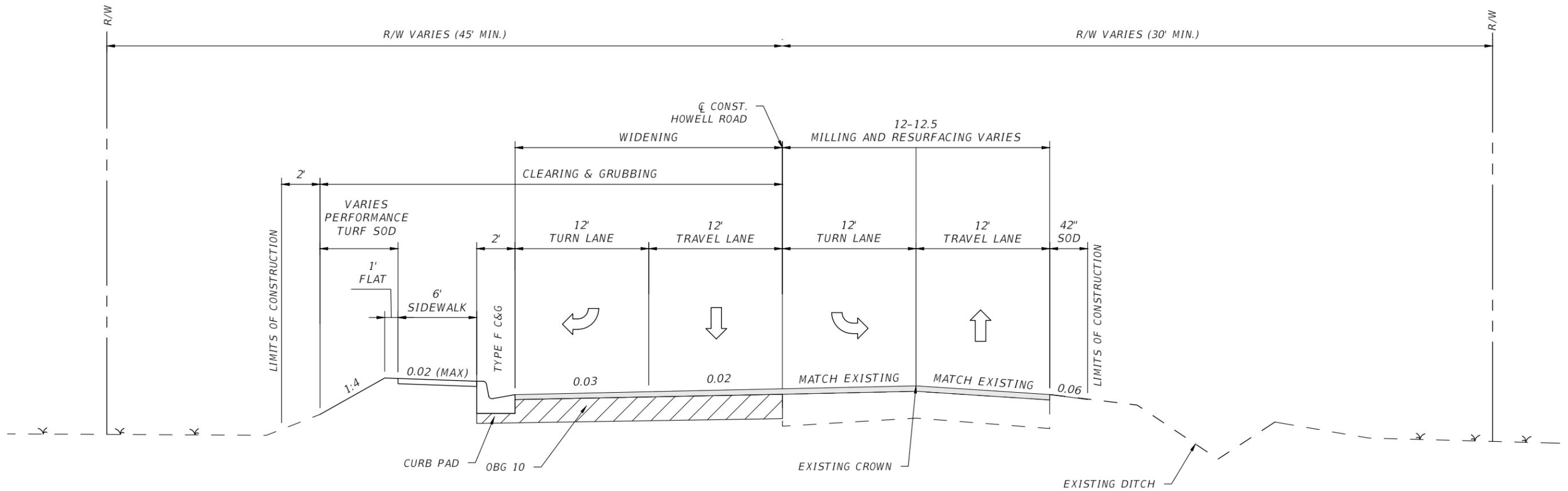
THE ABOVE NAMED PROFESSIONAL ENGINEER WILL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

### INDEX OF ROADWAY PLANS

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54-56	TEMPORARY TRAFFIC CONTROL PLAN PHASE 1B
57-59	TEMPORARY TRAFFIC CONTROL PLAN PHASE 2
60-62	TEMPORARY TRAFFIC CONTROL PLAN PHASE 3
SQ-1-SQ-2	SUMMARY OF QUANTITIES

REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			<i>SIGNATURE SHEET</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		2
					HOWELL RD	COLUMBIA			





**TYPICAL SECTION 2  
HOWELL ROAD**

STA. 307+72.00 TO 314+14.77

DESIGN SPEED = 40 MPH

**EXISTING TRAVEL LANES**

MILL EXISTING ASPHALT PAVEMENT (1 1/2" DEPTH)  
TYPE SP STRUCTURAL COURSE (TRAFFIC C)(1 1/2")

**WIDENING**

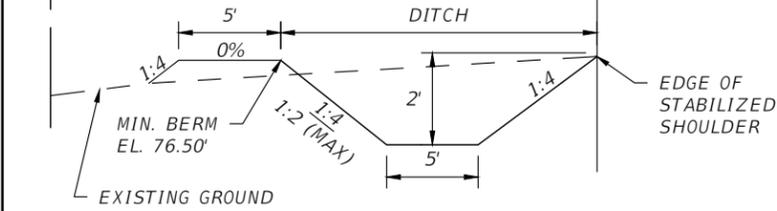
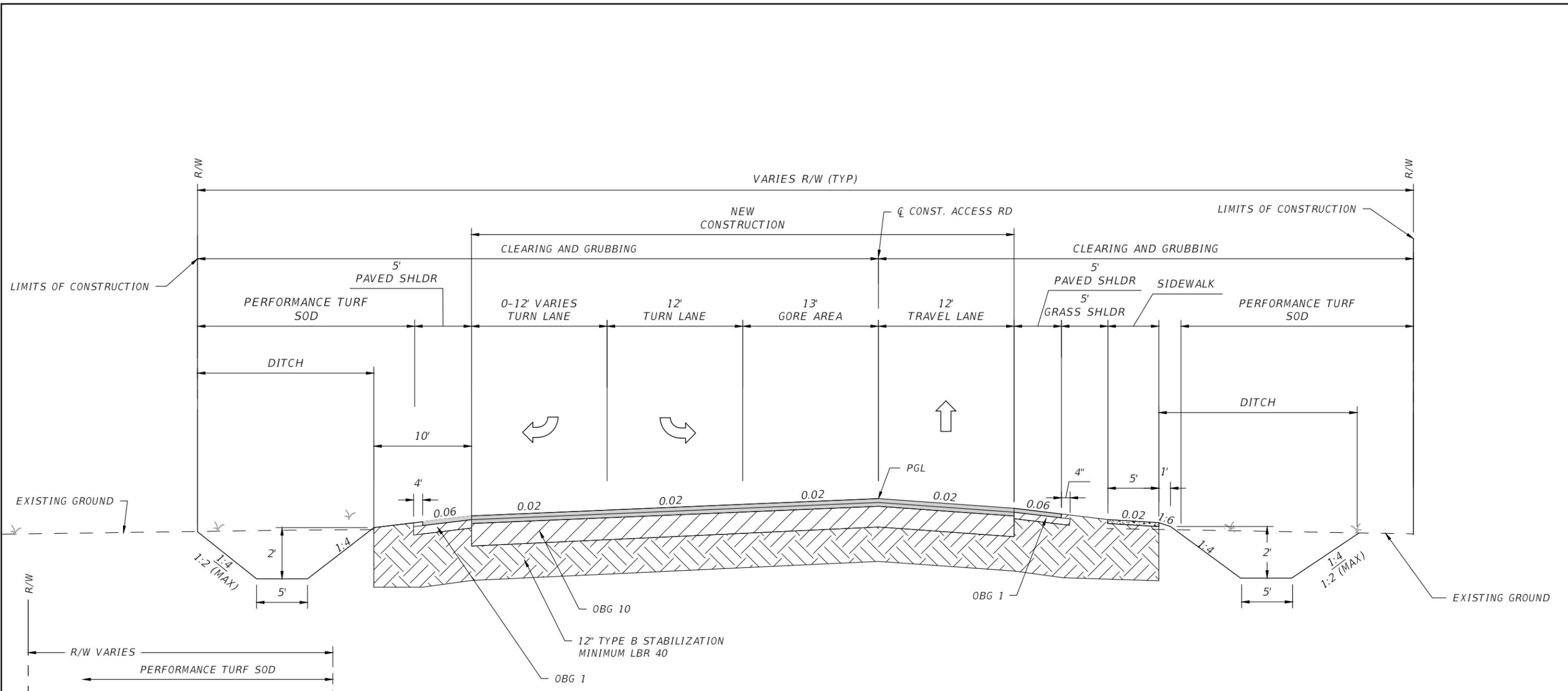
OPTIONAL BASE GROUP 10 (B-12.5)(6 1/2")  
TYPE SP STRUCTURAL COURSE (TRAFFIC C)(2.0")  
TYPE SP STRUCTURAL COURSE (TRAFFIC C)(1 1/2")

**NOTES:**

1. ACTUAL WIDTH OF BASE WIDENING MAY VARY DUE TO ACTUAL EXISTING PAVEMENT WIDTH. A UNIFORM WIDTH BASE WIDENING STRIP MAY BE CONSTRUCTED AT NO ADDITIONAL COMPENSATION.
2. PAVING COMPACTION SHALL BE LIMITED TO STATIC MODE ONLY

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DATE	DESCRIPTION	DATE	DESCRIPTION	RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			<b>TYPICAL SECTION</b>	SHEET NO. 4
					ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		



**TYPICAL SECTION 3  
ACCESS ROAD**

---

STA 99+48.64 TO 105+30.00

---

**TRAVEL LANES**

OPTIONAL BASE GROUP 10  
TYPE SP STRUCTURAL COURSE (TRAFFIC C)(2.0")  
TYPE SP STRUCTURAL COURSE (TRAFFIC C)(1 1/2")

**SHOULDER PAVEMENT**

OPTIONAL BASE GROUP 1  
TYPE SP STRUCTURAL COURSE (TRAFFIC C)(1 1/2")

DESIGN SPEED = 40 MPH

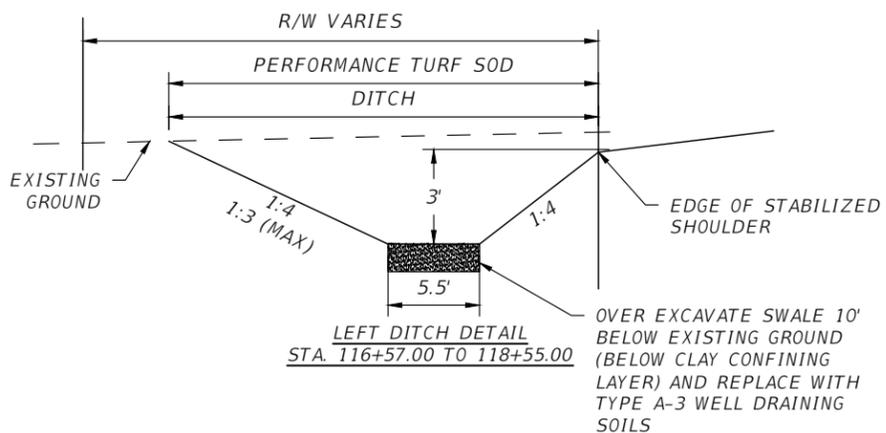
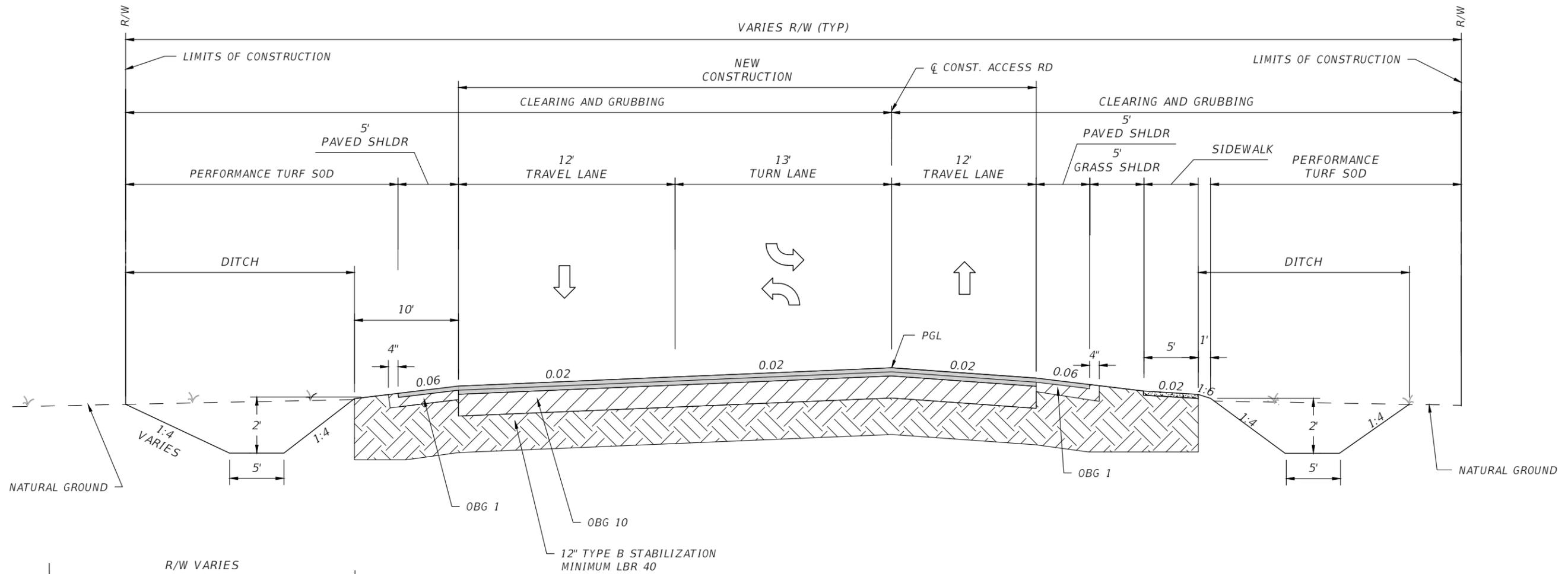
**NOTES:**

1. DEPTH OF DITCH MAY VARY
2. PAVING COMPACTION SHALL BE LIMITED TO STATIC MODE ONLY

REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			SHEET NO.  5
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					HOWELL RD	COLUMBIA		

**TYPICAL SECTION**

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**NOTES:**

1. DEPTH AND BOTTOM WIDTH OF DITCH MAY VARY
2. PAVING COMPACTION SHALL BE LIMITED TO STATIC MODE ONLY

**TYPICAL SECTION 4  
ACCESS ROAD**

STA. 105+30.00 TO 119+52.47

**TRAVEL LANES**

OPTIONAL BASE GROUP 10  
TYPE SP STRUCTURAL COURSE (TRAFFIC C)(2.0")  
TYPE SP STRUCTURAL COURSE (TRAFFIC C)(1 1/2")

**SHOULDER PAVEMENT**

OPTIONAL BASE GROUP 1  
TYPE SP STRUCTURAL COURSE (TRAFFIC C)(1 1/2")

DESIGN SPEED = 40 MPH

**REVISIONS**

DATE	DESCRIPTION	DATE	DESCRIPTION

RYAN DOUGLAS ASMUS, P.E.  
P.E. LICENSE NUMBER 66626  
NFPS  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056

**COLUMBIA CO BOCC**

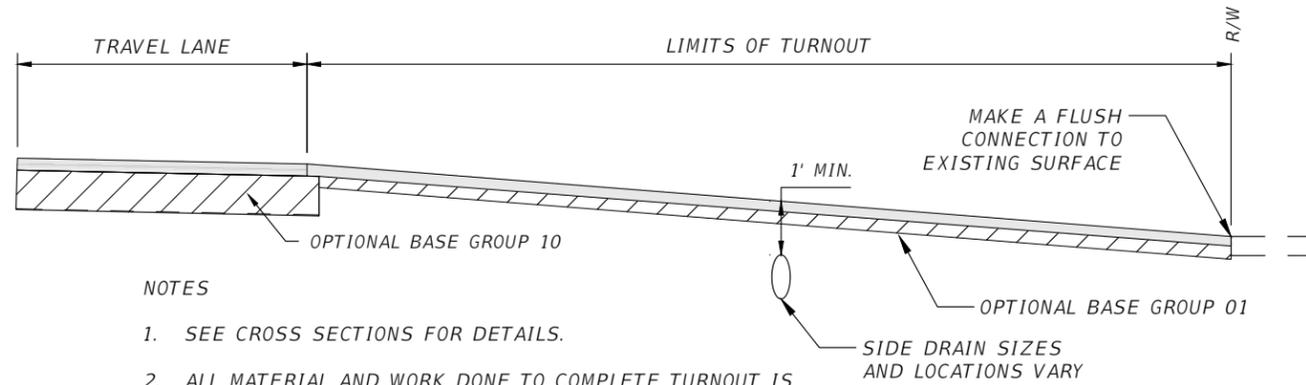
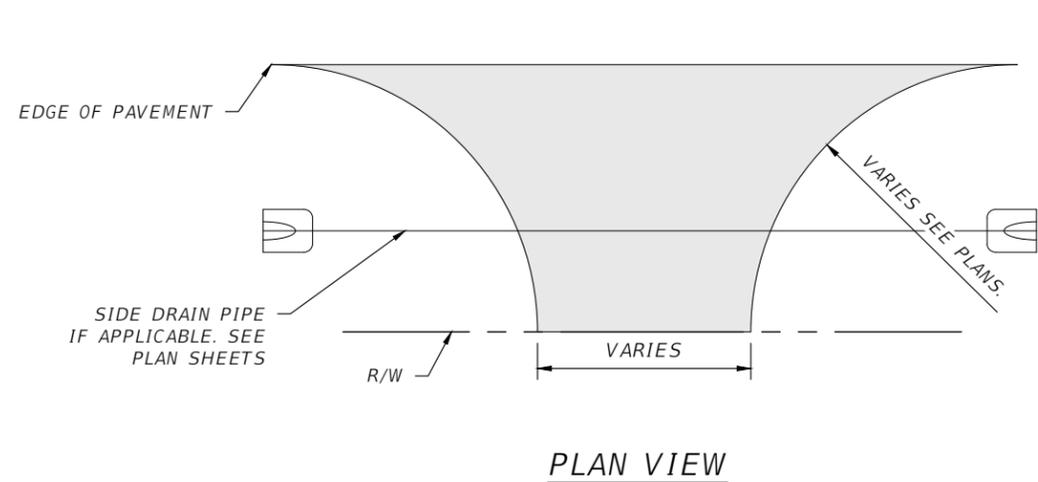
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

**TYPICAL SECTION**

SHEET NO.

6

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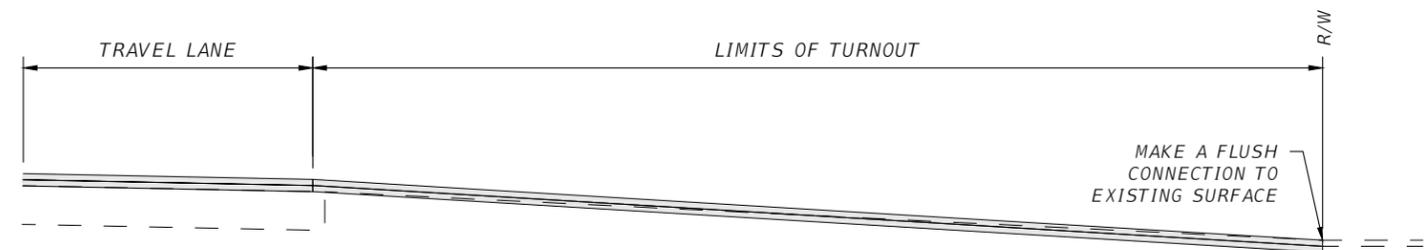
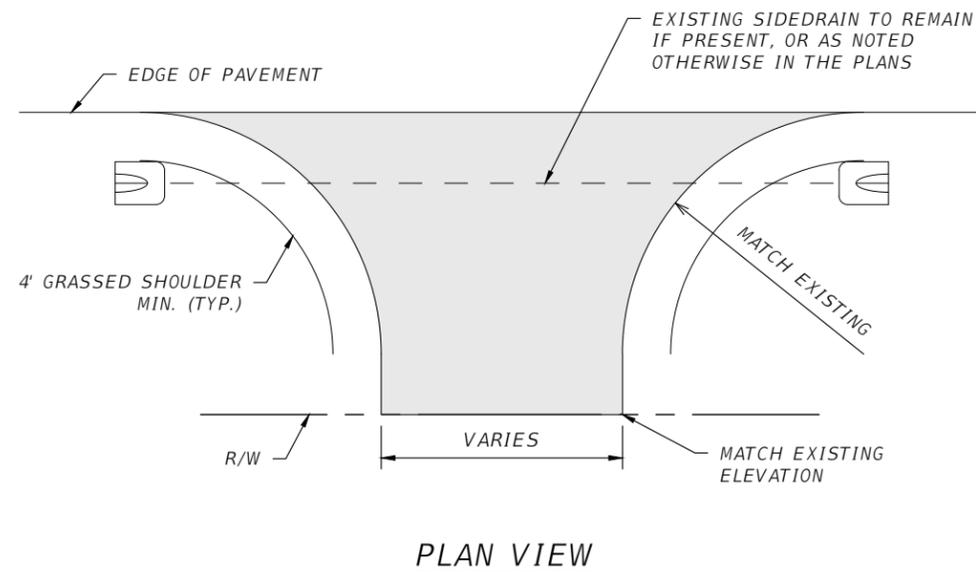
NOTES

1. SEE CROSS SECTIONS FOR DETAILS.
2. ALL MATERIAL AND WORK DONE TO COMPLETE TURNOUT IS TO BE PAID FOR UNDER TURNOUT CONSTRUCTION EXCEPT ASPHALT

OPTIONAL BASE GROUP 01  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")

SECTION VIEW

**RD21 PRIVATE TURNOUT FOR EX. UNPAVED TURNOUTS**  
**SCALE: N.T.S.**



NOTES

1. ALL MATERIAL AND WORK DONE TO COMPLETE TURNOUT IS TO BE PAID FOR UNDER TURNOUT CONSTRUCTION EXCEPT ASPHALT

MILL EXISTING ASPHALT PAVEMENT (1 1/2" DEPTH)  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2")

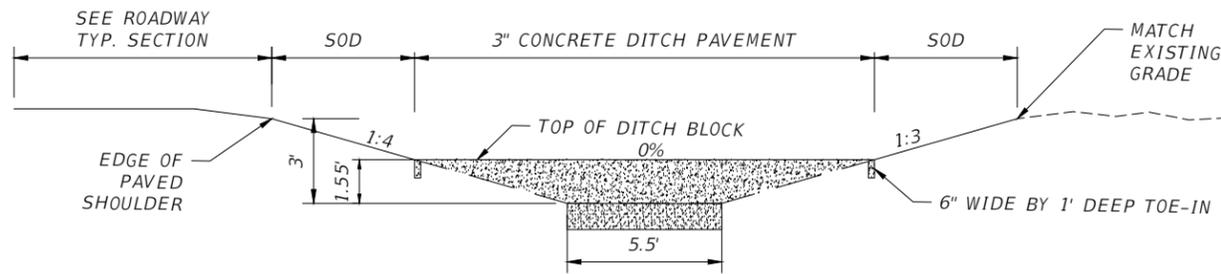
SECTION VIEW

**RD10 CONNECTION TO EX. PAVED TURNOUTS**  
**SCALE: N.T.S.**

REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			SHEET NO. 7
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID	

**TURNOUT DETAILS**

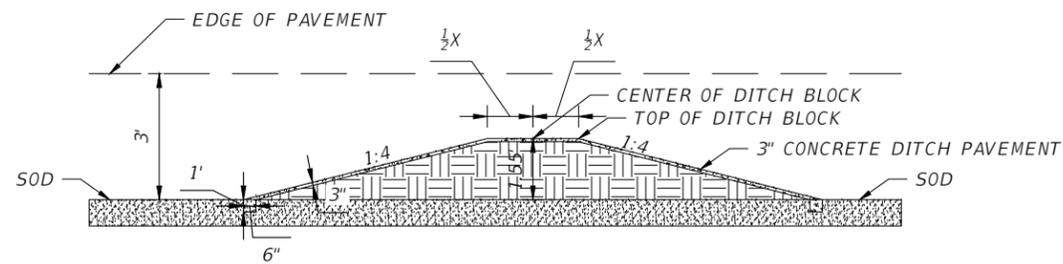
# DITCH BLOCK TYPE A



DETAIL A-A

NOT TO SCALE

PROPOSED DRY RETENTION SWALES #2-4							
SWALE #	DITCH BLOCK OVERTOPPING ELEVATION (FT.) (NAVD)	FRONT SLOPES	BACK SLOPES	EST. SHGWT ELEV. (FT.) (NAVD)	CENTER OF DOWNSTREAM DITCH BLOCK	X, LONGITUDINAL WIDTH (FT.)	DITCH DEPTH (FT.)
SWALE 2	97.55	1:4	1:3	85.00	404+07.00	5'	3'
SWALE 3	95.55	1:4	1:3	82.50	403+34.00	5'	3'
SWALE 4	94.05	1:4	1:3	81.00	402+60.00	15'	3'

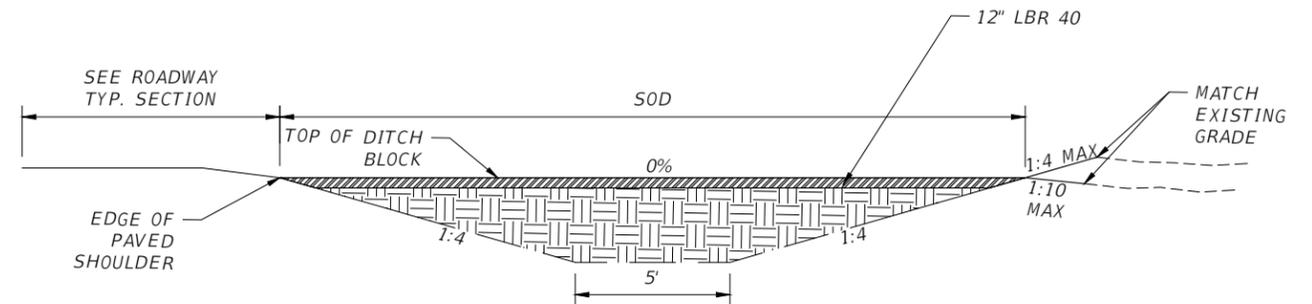


DETAIL B-B

NOT TO SCALE

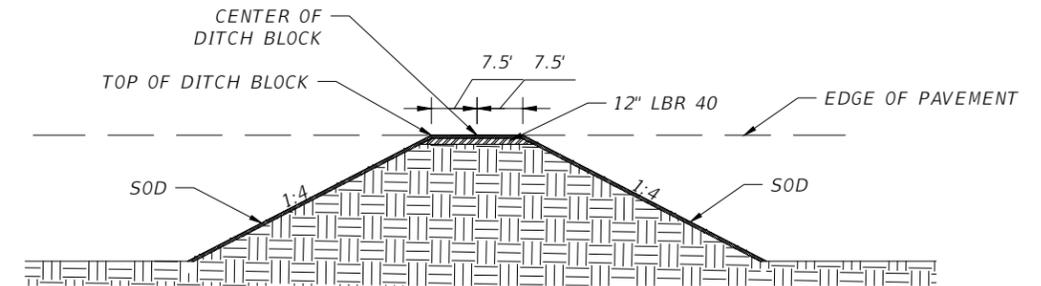
DITCH NOTES:  
 1.) OVER EXCAVATE SWALES #2-4 10' BELOW EXISTING GROUND (BELOW CLAY CONFINING LAYER) AND REPLACE WITH TYPE A-3 WELL DRAINING SOILS.  
 2.) DITCH PROFILE FOLLOWS ROADWAY PROFILE

# DITCH BLOCK TYPE B



DETAIL A-A

NOT TO SCALE



DETAIL B-B

NOT TO SCALE

DITCH NOTES:  
 1) DITCH PROFILE FOLLOWS ROADWAY PROFILE UNLESS OTHERWISE NOTED

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES C. DONAHUE, P.E.  
 P.E. LICENSE NUMBER 98320  
 KIMLEY-HORN & ASSOCIATES, INC.  
 2619 CENTENNIAL BLVD. SUITE 200  
 TALLAHASSEE, FL 32308

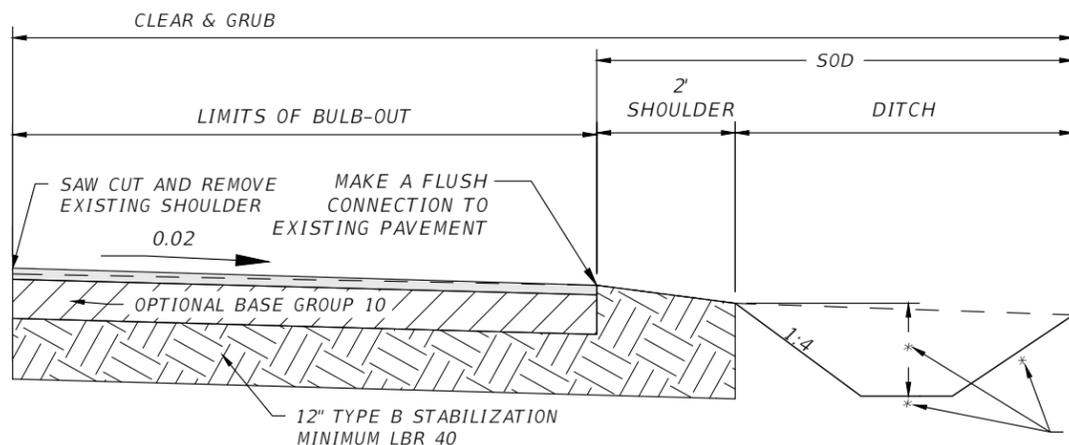
COLUMBIA CO BOCC

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

DITCH BLOCK DETAILS

SHEET NO.

8

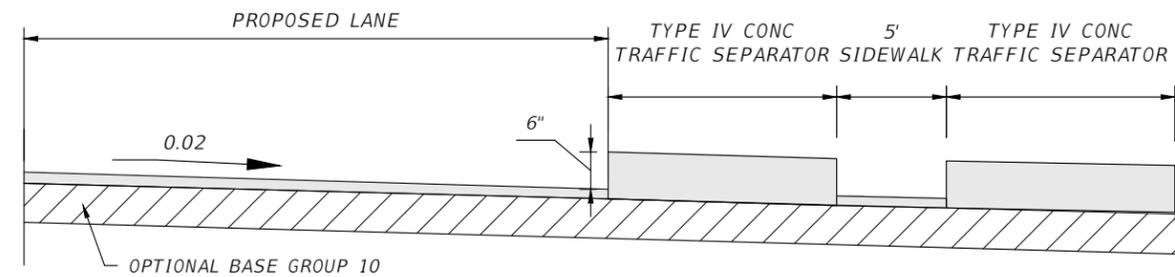


**PAVEMENT DESIGN  
BULB-OUT**

OPTIONAL BASE GROUP 10  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")  
FRICTION COURSE FC 12.5 (TRAFFIC C) (2") (PG 76-22)

**RD22 BULB-OUT DETAIL  
SCALE: N.T.S.**

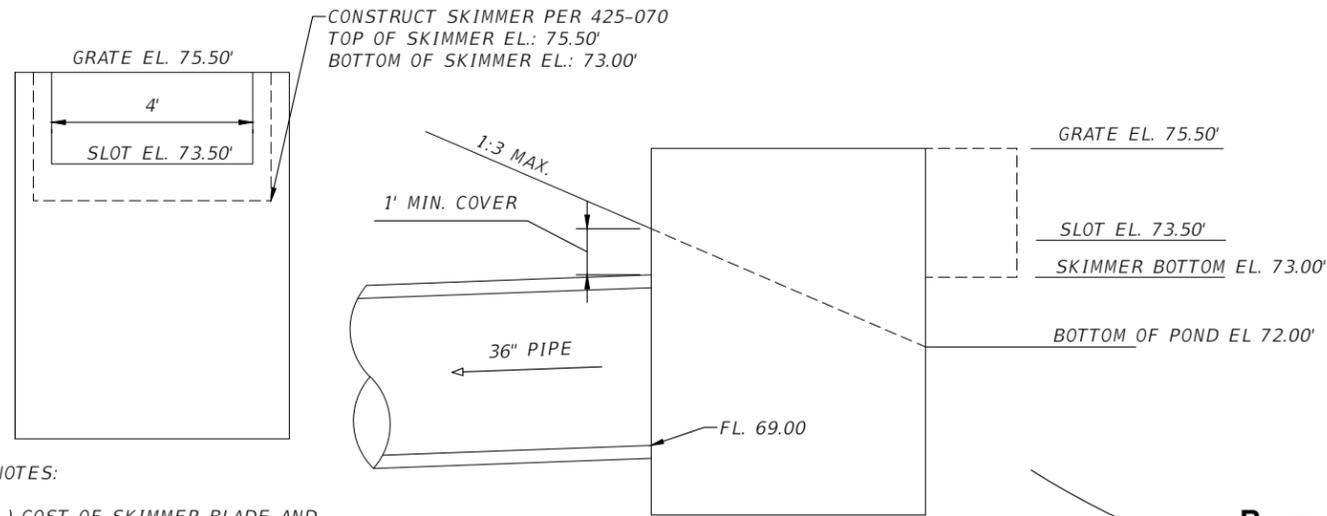
\* MATCH EXISTING SLOPES (NOT TO EXCEED 1:4) AND DEPTHS



**RD23 PAVT ISLAND DETAIL  
SCALE: N.T.S.**

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		9
					HOWELL RD	COLUMBIA			



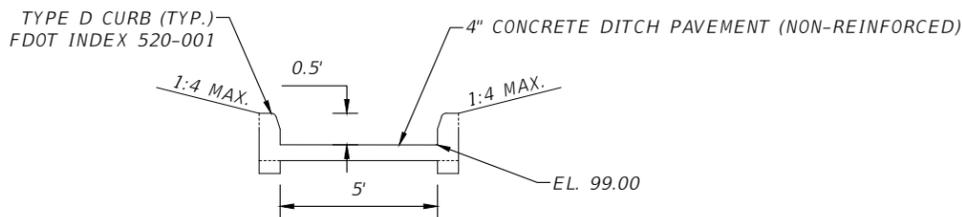
NOTES:

1.) COST OF SKIMMER BLADE AND MOUNTING HARDWARE TO BE INCLUDED IN COST OF INLET

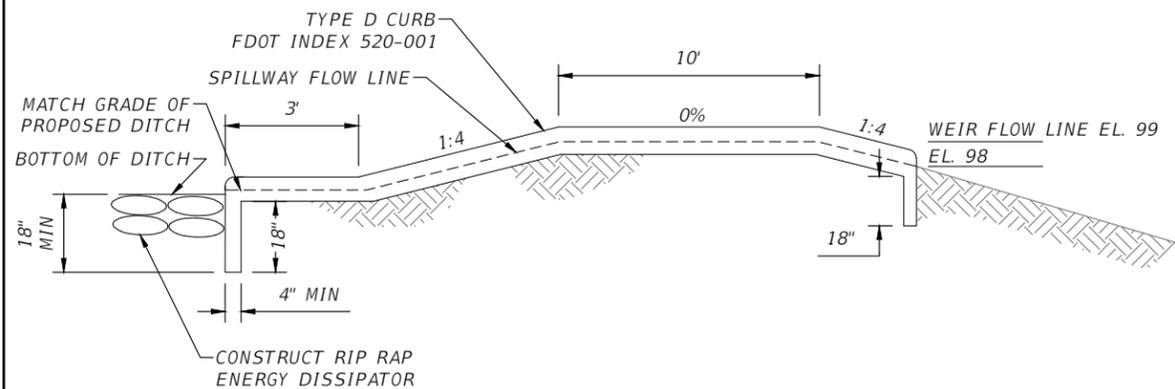
**SECTION A-A  
NTS**

**SECTION B-B  
NTS**

**CS-1 POND #1 CONTROL STRUCTURE - DBI TYPE D  
SCALE: N.T.S**

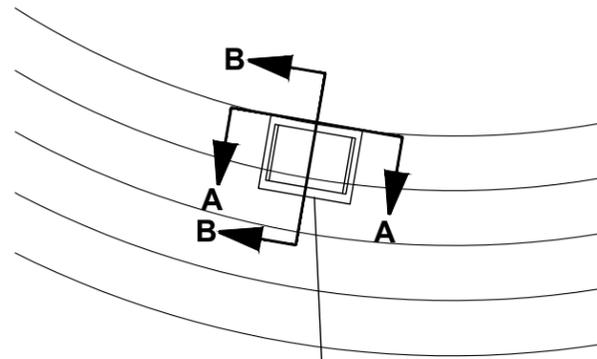


**SECTION A-A**

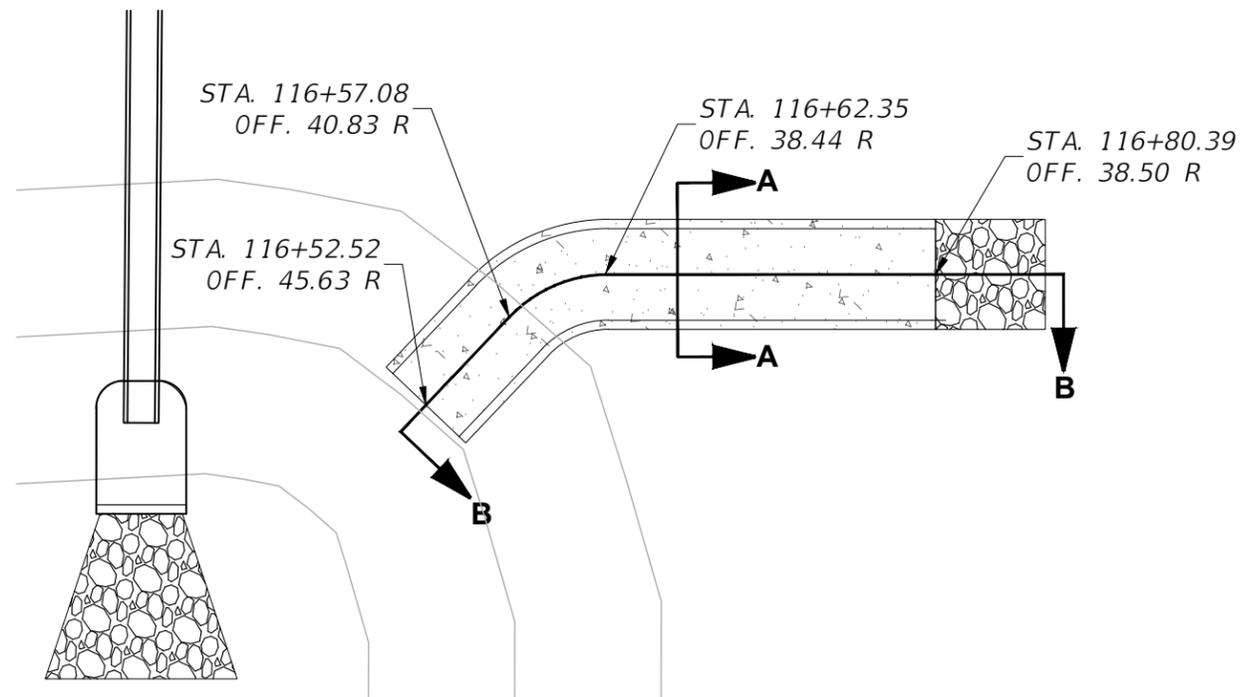


**SECTION B-B**

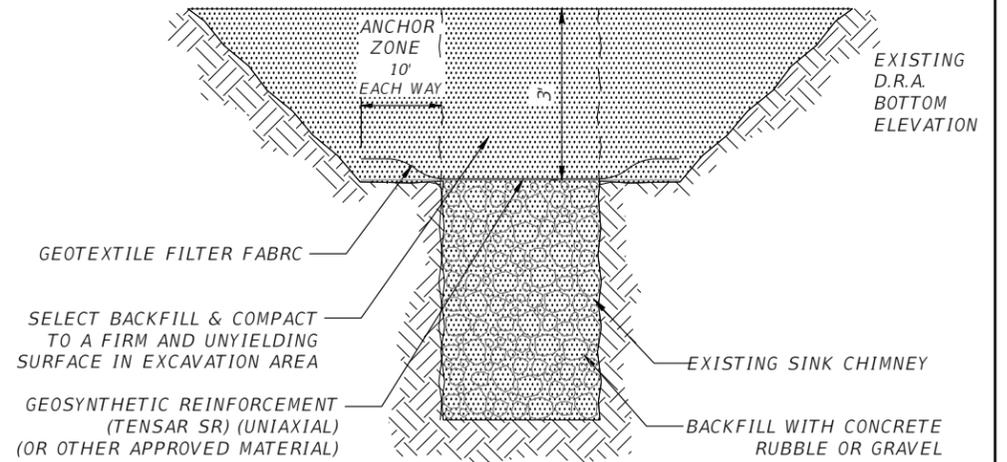
**CS-2 SWALE #1 SPILLWAY DETAIL  
SCALE: N.T.S**



**CS-1 PLAN VIEW**



**CS-2 PLAN VIEW**



**TYPICAL SINK CHIMNEY REPAIR DETAIL**

SCALE: N.T.S.

NOTES:

1. IF LIMESTONE IS ENCOUNTERED OR A SINKHOLE OR SOLUTION PIPE FORMS DURING CONSTRUCTION, CONSTRUCTION OF THE BASIN MUST BE HALTED AND THE PROJECT GEOTECHNICAL ENGINEER MUST BE CONTACTED IMMEDIATELY FOR APPROVAL OF THE USE OF THIS DETAIL.
2. THE SINKHOLE OR SOLUTION PIPE MUST BE REPAIRED WITHIN 10 DAYS OF THE DISCOVERY USING A DISTRICT APPROVED METHOD.
3. THE STORMWATER SYSTEM MUST BE INSPECTED MONTHLY FOR THE OCCURRENCE OF SINKHOLES OR SOLUTION PIPES.

REVISIONS				JAMES C. DONAHUE, P.E. P.E. LICENSE NUMBER 98320 KIMLEY-HORN & ASSOCIATES, INC. 2619 CENTENNIAL BLVD. SUITE 200 TALLAHASSEE, FL 32308	COLUMBIA CO BOCC			MISCELLANEOUS DETAILS	SHEET NO. 10
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		

GENERAL NOTES

1. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:

JAMES SMITH, P.S.M.  
P.S.M NO.: 7355  
NORTH FLORIDA PROFESSIONAL SERVICES, INC.  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056  
CERTIFICATE OF AUTHORIZATION NO.: LB 8356

2. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS TO ENSURE THAT ALL NEW WORK WILL FIT IN THE MANNER INTENDED ON THE PLANS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE PLANS, NOTIFY THE ENGINEER OF SUCH DIFFERENCES IMMEDIATELY AND PRIOR TO PROCEEDING WITH THE WORK.
3. MAINTAIN THE CONSTRUCTION SITE IN A SECURE MANNER. PROTECT ALL OPEN TRENCHES AND EXCAVATED AREAS FROM ACCESS BY THE GENERAL PUBLIC.
4. PROTECT ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, NOTIFY THE ENGINEER.
5. IMPLEMENT ALL COMPONENTS OF THE EROSION AND SEDIMENTATION CONTROL PLAN PRIOR TO ANY EARTH DISTURBING ACTIVITIES. MAINTAIN ALL COMPONENTS WILL BE UNTIL ALL VEGETATION IS ESTABLISHED, THE ENTIRE PROJECT AREA IS STABILIZED, AND THE OWNER HAS ACCEPTED OPERATION AND MAINTENANCE.
6. PLACE SOD ON ALL SLOPES OF THE STORMWATER FACILITIES. USE STAPLED SOD ON SLOPES STEEPER THAN 1:3.
7. ALL DISTURBED AREAS NOT SODDED WILL BE SEEDED WITH A MIXTURE OF LONG-TERM VEGETATION AND QUICK GROWING SHORT-TERM VEGETATION FOR THE FOLLOWING CONDITIONS. FOR THE MONTHS FROM SEPTEMBER THROUGH MARCH, THE MIX WILL CONSIST OF 70 POUNDS PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF WINTER RYE. FOR THE MONTHS OF APRIL THROUGH AUGUST, THE MIX WILL CONSIST OF 70 PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF MILLET.
8. 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.
9. UTILITY/AGENCY OWNERS FOR THIS PROJECT INCLUDE:

CONTACT INFORMATION			
BUSINESS	CONTACT NAME	CONTACT NUMBER	CONTACT EMAIL
AT&T	CRAIG PETRIE		CPETRIE@PEA-INC.NET
CLAY ELECTRIC	CHRIS BRYAN	352-473-8000X8428	CBRYAN@CLAYELECTRIC.COM
COLUMBIA COUNTY SEWER AND WATER	CHAD WILLIAMS	386-755-1019	CHAD_WILLIAMS@COLUMBIA COUNTYFLA.COM
TRAFFIC CONTROL DEV.	DAVID NAGESAR	904-693-9254	D.NAGESAR@TCD-USA.COM

10. A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO BEGINNING CONSTRUCTION.
11. IF UNSUITABLE MATERIAL IS ENCOUNTERED DURING GRADING, REMOVE UNSUITABLE MATERIAL TO A DEPTH OF 24" BELOW THE BASE WITHIN THE CONSTRUCTION LIMITS.
12. NOTIFY THE COUNTY AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION.
13. NO WORK WILL BE PERFORMED ON SUNDAY OR COUNTY RECOGNIZED HOLIDAY WITHOUT A WRITTEN APPROVAL FROM THE COUNTY ADMINISTRATOR.

14. PROVIDE AN AS-BUILT SURVEY MEETING THE REQUIREMENTS OF CHAPTER 61G17 F.A.C. FOR THE STORMWATER MANAGEMENT SYSTEMS. INCLUDE HORIZONTAL AND VERTICAL DIMENSIONAL DATA SO THAT IMPROVEMENTS ARE LOCATED AND DELINEATED RELATIVE TO THE BOUNDARY. THIS AS-BUILT SURVEY SHOULD INCLUDE ALL OUTFALL STRUCTURES. PROVIDE SUFFICIENT DETAILED DATA TO DETERMINE WHETHER THE IMPROVEMENTS WERE CONSTRUCTED IN ACCORDANCE WITH THE PLANS. A COPY OF THE AS-BUILT SURVEY (IN PAPER AND DIGITAL AUTOCAD FORMAT) MUST BE SUBMITTED TO THE COUNTY AND THE ENGINEER.
15. SUBMIT A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM NOTICE OF INTENT ALONG WITH SUPPORTING DOCUMENTATION TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION AND BE RESPONSIBLE FOR ALL PERMIT FEES.
16. IF DURING CONSTRUCTION OR OPERATION OF THE STORM WATER MANAGEMENT SYSTEM, A STRUCTURAL FAILURE IS OBSERVED THAT HAS THE POTENTIAL TO CAUSE THE DIRECT DISCHARGE OF SURFACE WATER INTO THE FLORIDAN AQUIFER SYSTEM, CORRECTIVE ACTIONS DESIGNED OR APPROVED BY A REGISTERED PROFESSIONAL WILL BE TAKEN AS SOON AS PRACTICAL TO CORRECT THE FAILURE. A REPORT PREPARED BY A REGISTERED PROFESSIONAL MUST BE PROVIDED AS SOON AS PRACTICAL TO THE DISTRICT FOR REVIEW AND APPROVAL THAT PROVIDES REASONABLE ASSURANCE THAT THE BREACH WILL BE PERMANENTLY CORRECTED.
17. MAINTAIN MAILBOXES DURING CONSTRUCTION INCLUDING RELOCATION.
18. SUBMIT ANY REQUIRED SHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO ORDERING.
19. MILLED ASPHALT MATERIAL WILL BECOME THE PROPERTY OF THE COUNTY. TRANSPORT MILLING MATERIAL TO THE COUNTY'S YARD LOCATED AT THE FOLLOWING ADDRESS:

2375 SE GILES MARTIN  
AVE, LAKE CITY, FL  
32024

CONTACT CHAD WILLIAMS AT 386-758-1019 FOR COORDINATING PLACEMENT AT STOCKPILE SITE.

20. IN ADDITION TO STANDARD FDOT ABBREVIATIONS, THE FOLLOWING ABBREVIATIONS ARE USED:

BNC BEGIN NORMAL CROWN  
ENC END NORMAL CROWN  
BFS BEGIN FULL SUPER  
EFS END FULL SUPER  
EG EXISTING GROUND  
CD CROSS DRAIN  
SD SIDE DRAIN  
C&G CURB AND GUTTER

PAY ITEM NOTES

102-1 - MAINTENANCE OF TRAFFIC - INCLUDES ALL ELEMENTS REQUIRED FOR THE TEMPORARY TRAFFIC CONTROL PLAN, CONSTRUCTION STAKEOUT, TEMPORARY CENTERLINE DELINEATION, AND STOP BARS PLACED AT ALL NON-WORKING TIMES.

104-10-3 - SEDIMENT BARRIER - INCLUDES SYNTHETIC BALES, STAKED SILT FENCE, AND OTHER ITEMS NECESSARY TO MINIMIZE EROSION AND PREVENT SEDIMENT FROM LEAVING THE PROJECT LIMITS AND/OR ENTERING INLETS & CULVERTS. QUANTITY IS ESTIMATED, AND WILL ONLY BE PLACED AT DIRECTION OF ENGINEER.

110-1-1 - CLEARING & GRUBBING - INCLUDES REMOVAL OF ALL PAVEMENT, PIPE, INCLUDING ALL UTILITY EASEMENTS, AND VEGETATION, OR ANY OTHER DEMOLITION REQUIRED FOR THE PROJECT.

120-4 - SUBSOIL EXCAVATION - INCLUDES REMOVAL OF UNSUITABLE MATERIAL 24" DEEP AND REPLACE WITH SUITABLE MATERIAL COMPACTED IN SIX (6) INCH LIFTS. SUBSOIL IS AN ESTIMATED QUANTITY. FINAL PAYMENT WILL BE BASED ON CROSS SECTIONS TAKEN DURING CONSTRUCTION.

286-1 - TURNOUT CONSTRUCTION - INCLUDES THE EXCAVATION, COMPACTION OF SUBGRADE, BASE MATERIAL, BASE CONSTRUCTION, AND DOES NOT INCLUDE ASPHALT PAVEMENT FOR ALL TURNOUTS.

570-1-1 - PERFORMANCE TURF - INCLUDES DRESSING SHOULDERS, ALL SEED AND MULCH REQUIRED, AND WATERING AS NEEDED. MAINTAIN ANY AREAS OF EROSION

DRAINAGE NOTES

1. ALL DRAINAGE RELATED CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN COUNTY AND FDOT RIGHTS-OF-WAY SHALL BE IN ACCORDANCE WITH COUNTY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR FDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.
2. ALL UNPAVED AREAS IN EXISTING RIGHT-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED.
3. GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.
4. INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
5. DEWATERING MAY BE REQUIRED. THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND THE DESIGN ENGINEER PRIOR TO ANY EXCAVATION. DEWATERING IS INCIDENTAL TO THE COST OF OTHER RELATED ITEMS AND NO SEPARATE PAYMENT SHALL BE MADE.
6. NO FILL SHALL BE PLACED INTO A SUBMERGED STATE, WITHOUT THE ENGINEER'S APPROVAL.
7. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AREAS SHALL THEN BE SODDED IN ACCORDANCE WITH THE APPROVED PLANS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
8. TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 62-302, FLORIDA ADMINISTRATIVE CODE.
9. INSTALL ALL UNDERGROUND STORMWATER PIPING PER COUNTY, COUNTY, FDOT AND MANUFACTURER'S RECOMMENDATIONS. IF RECOMMENDATIONS CONFLICT THE MOST STRINGENT RECOMMENDATIONS SHALL BE USED.
10. ALL S/CD PIPE SHALL BE REINFORCED CONCRETE PIPE UNLESS OTHERWISE NOTED. S/D PIPE MATERIAL SHALL COMPLY WITH FDOT STANDARD SPECIFICATIONS 430-3.2
11. FIELD VERIFY THE LOCATIONS AND ELEVATIONS OF ALL DRAINAGE STRUCTURES AND PIPES PRIOR TO ORDERING, CASTING OR PLACING PROPOSED DRAINAGE STRUCTURES AND PIPES.
12. ALL RIP RAP (DITCH LINING) TO BE A MINIMUM OF 1.5' DEPTH
13. ALL EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED IN PLANS
14. MAINTAIN POSITIVE DRAINAGE AT ALL TIMES DURING CONSTRUCTION

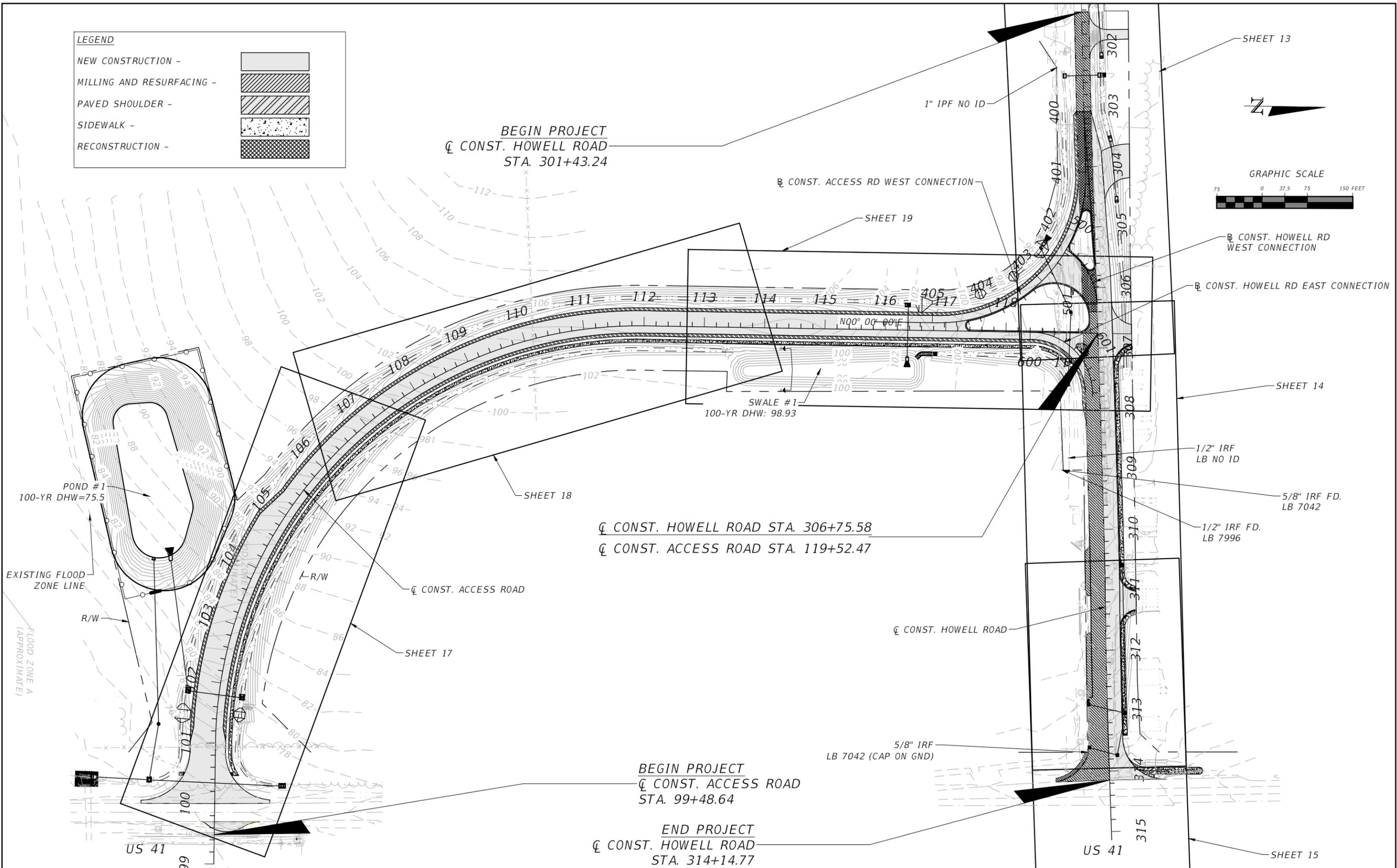
REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			SHEET NO.  11
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					HOWELL RD	COLUMBIA		

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**LEGEND**

NEW CONSTRUCTION -	
MILLING AND RESURFACING -	
PAVED SHOULDER -	
SIDEWALK -	
RECONSTRUCTION -	

BEGIN PROJECT  
 CL CONST. HOWELL ROAD  
 STA. 301+43.24



POND #1  
 100-YR DHW=75.5

EXISTING FLOOD  
 ZONE LINE

FLOOD ZONE A  
 (APPROXIMATE)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

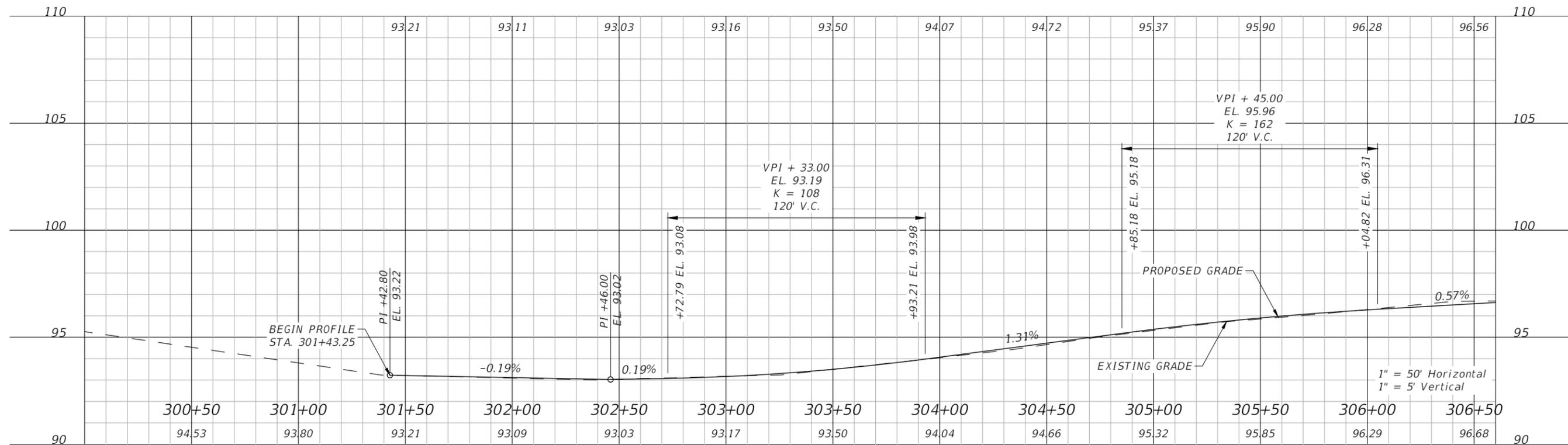
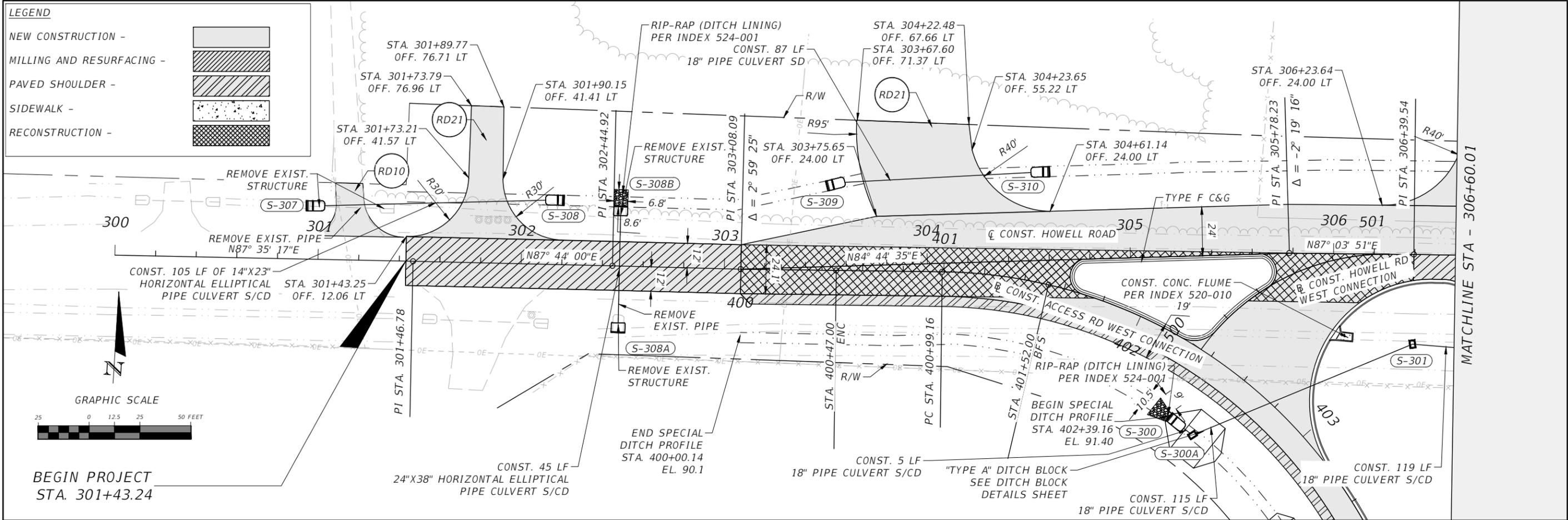
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 P.E. LICENSE NUMBER 66626  
 NFPS  
 P.O. BOX 3823  
 LAKE CITY, FLORIDA 32056

COLUMBIA CO BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

**PROJECT LAYOUT**

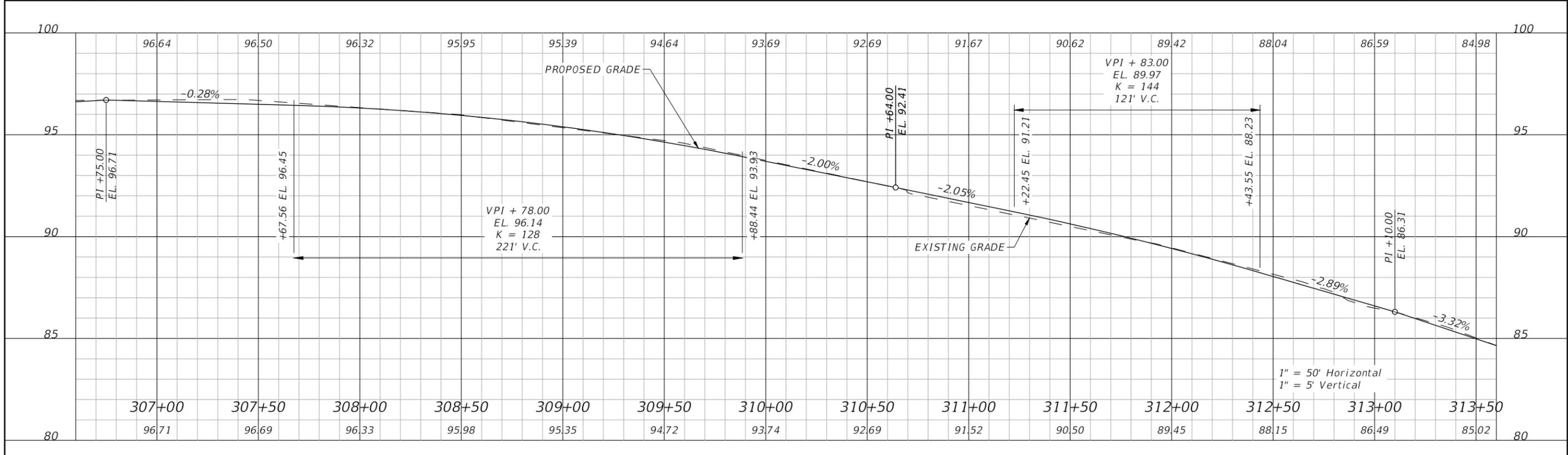
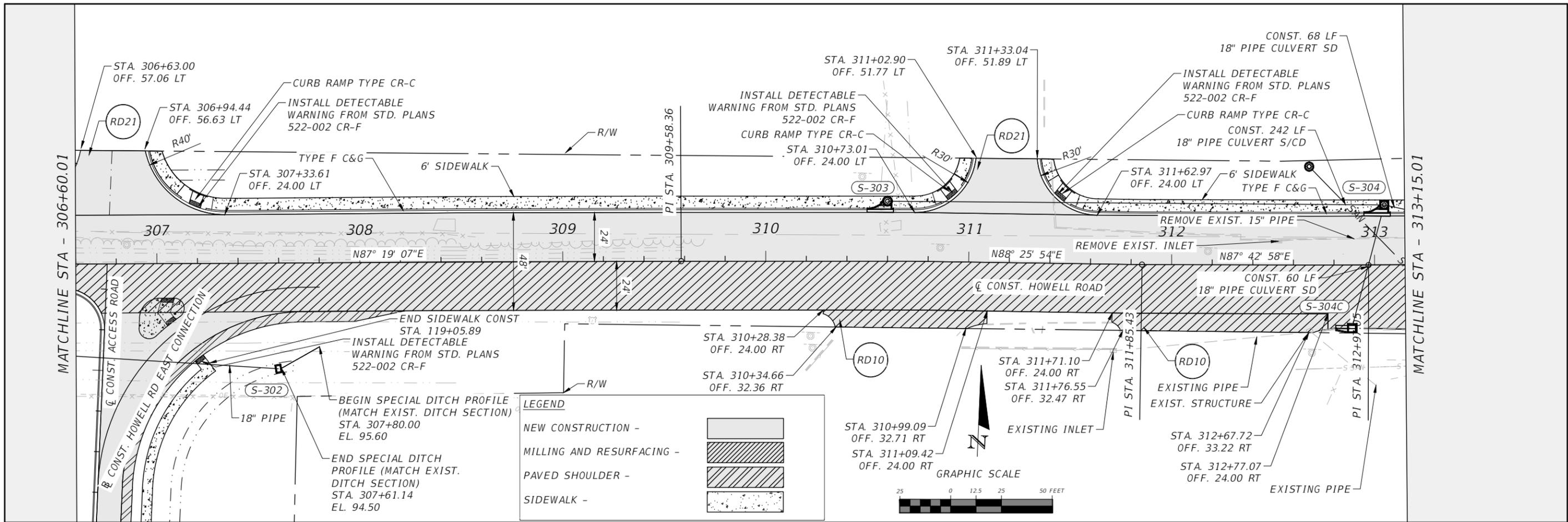
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID	

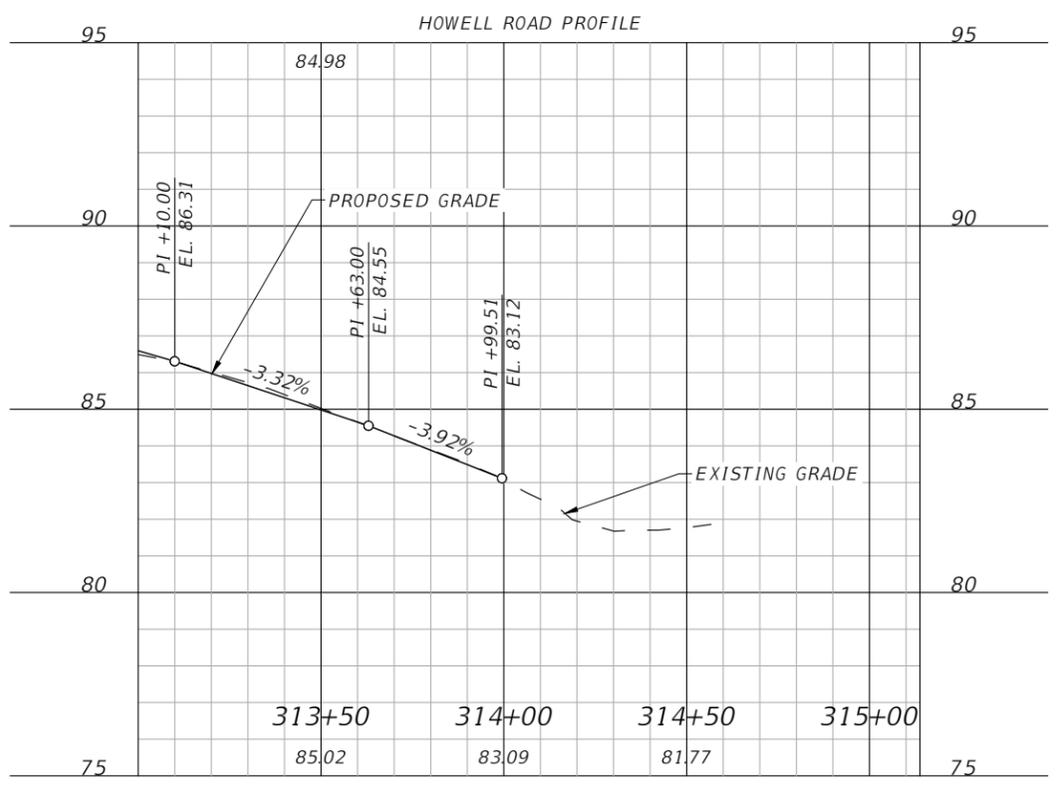
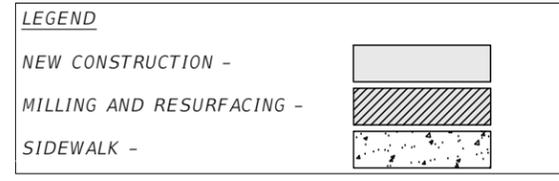
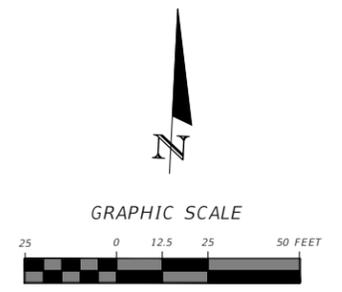
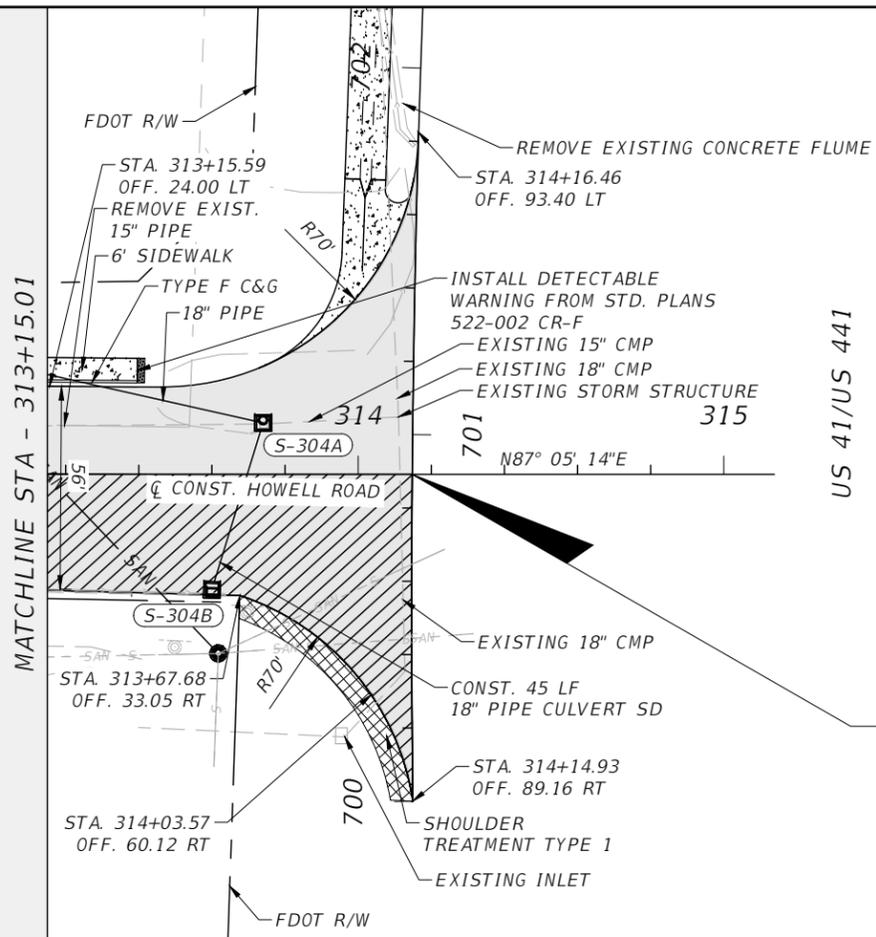
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID	

**HOWELL RD PLAN & PROFILE**

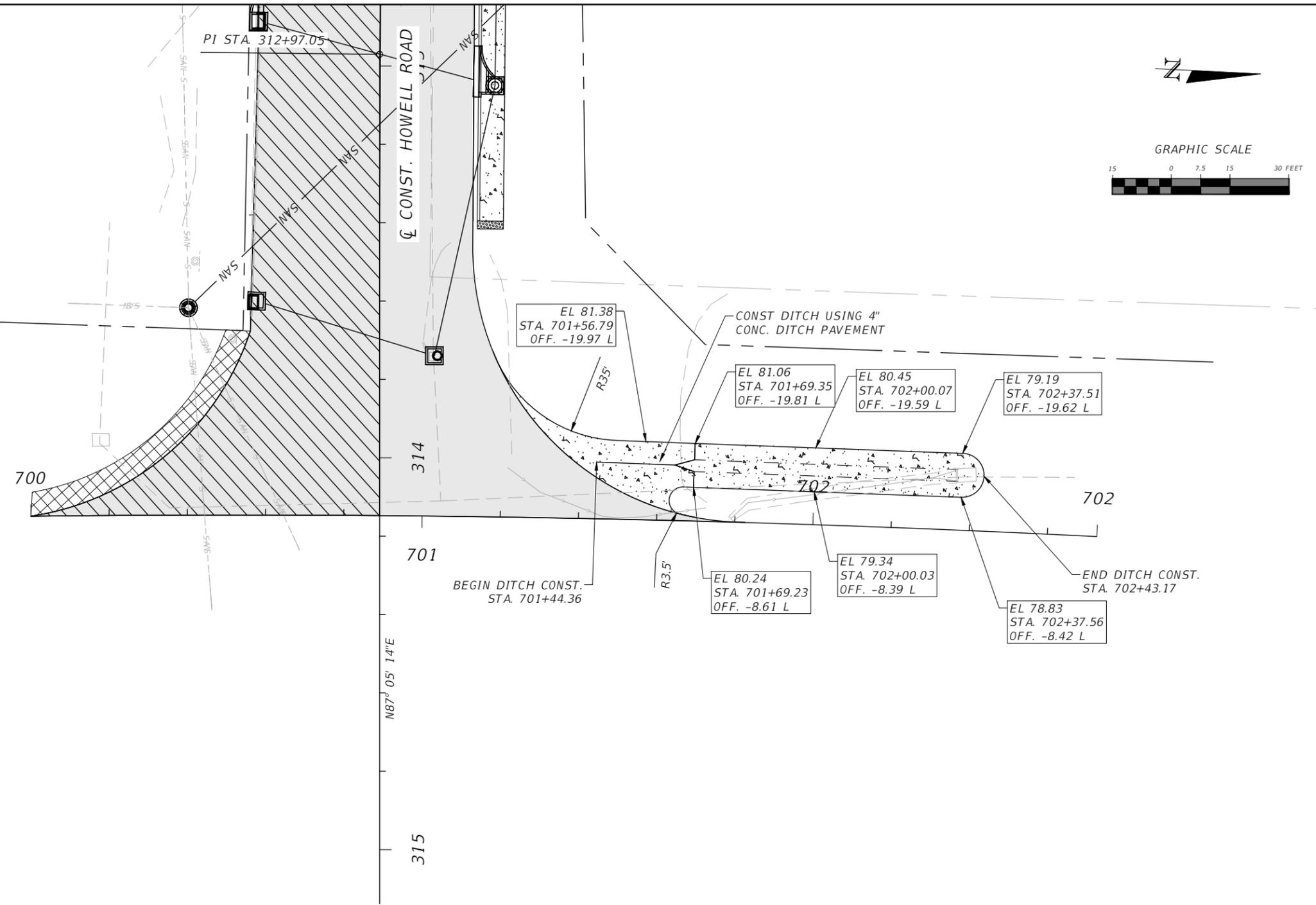
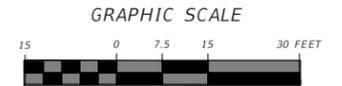
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1" = 5' Vertical

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		15
					HOWELL RD	COLUMBIA			

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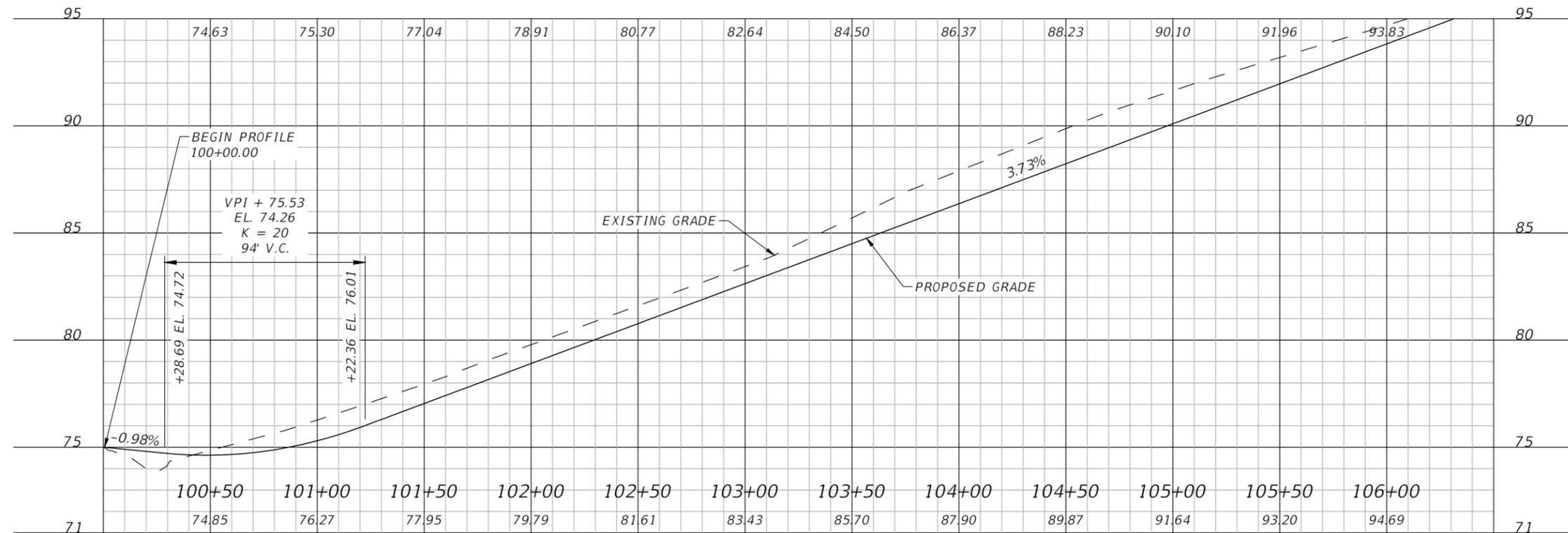
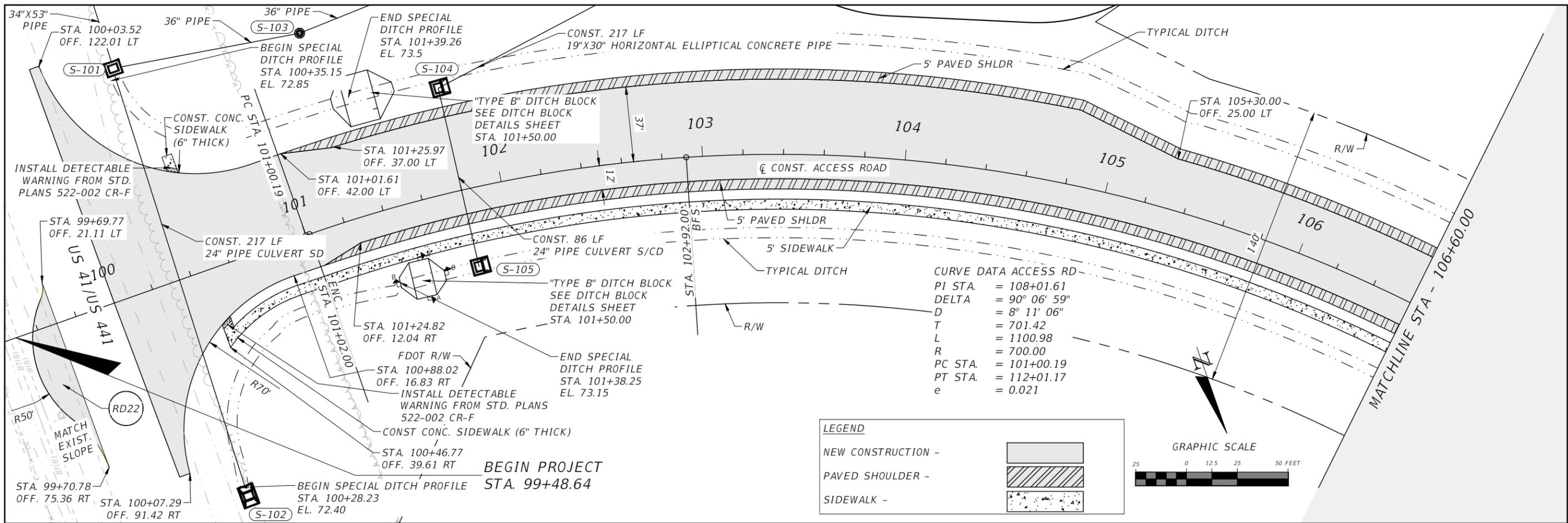


US 41/US 441

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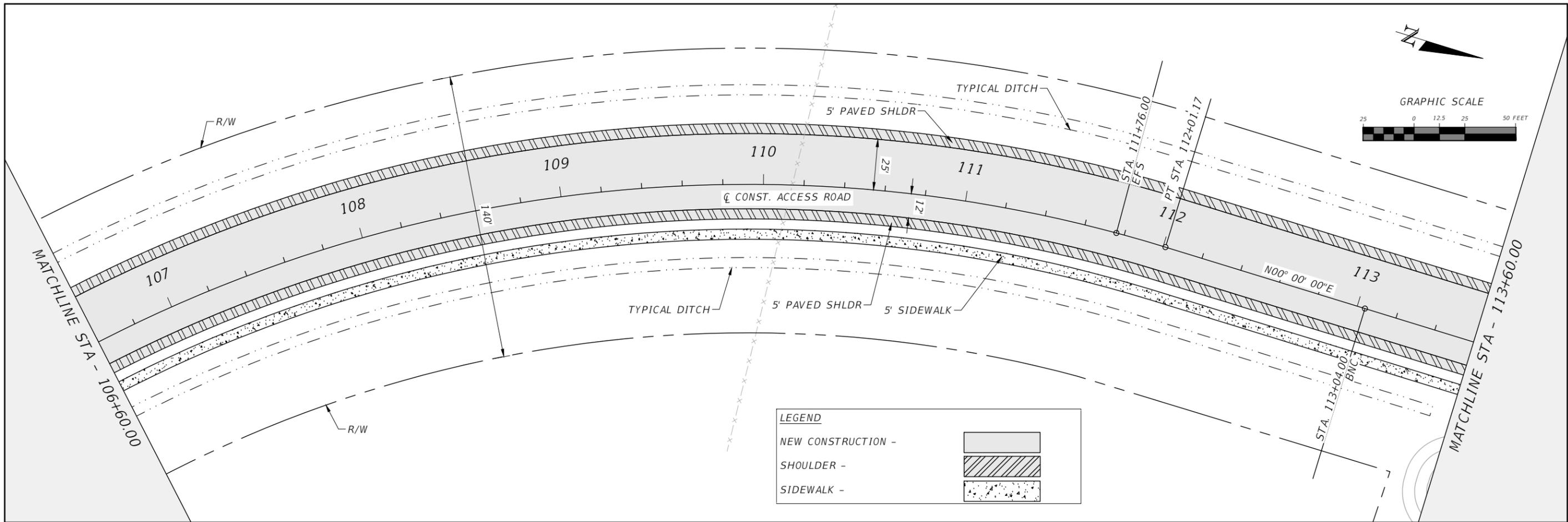
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					HOWELL RD	COLUMBIA		HOWELL RD DITCH PLAN 16



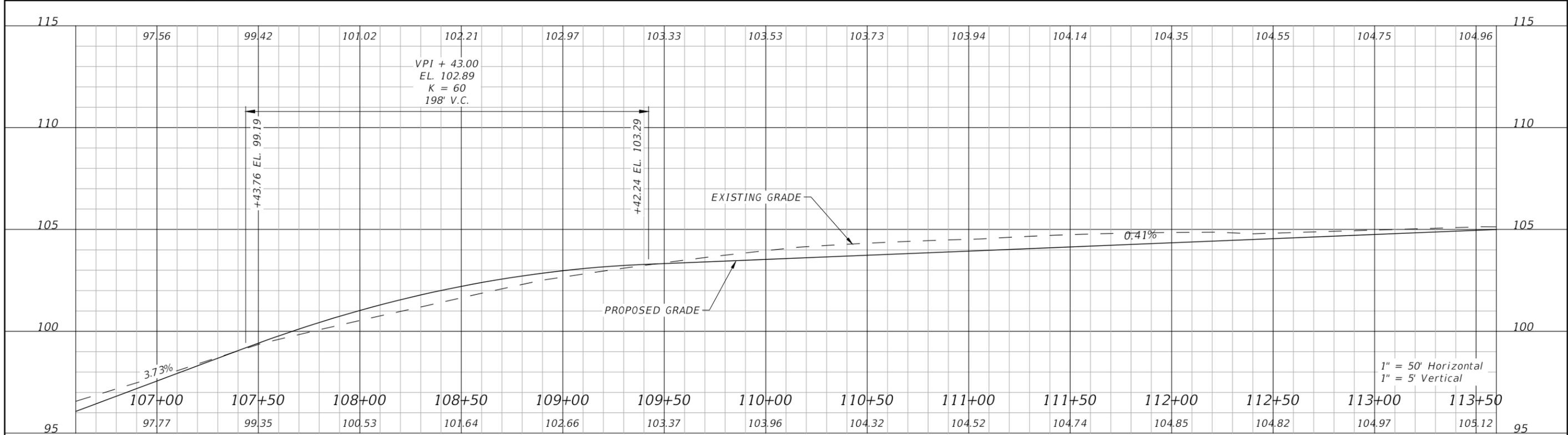
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		

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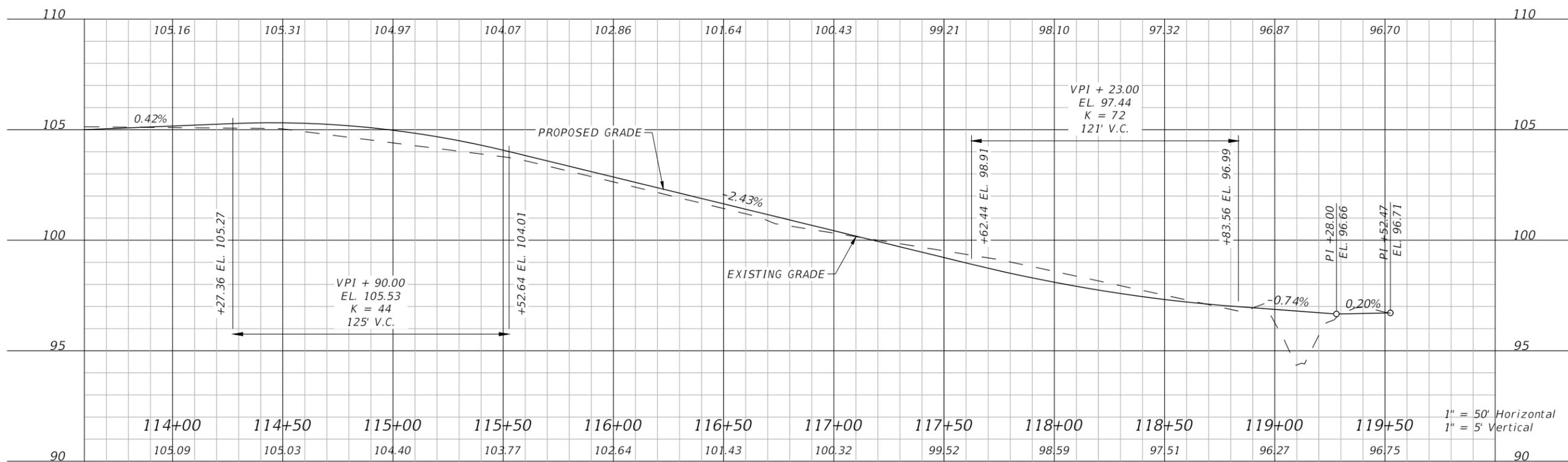
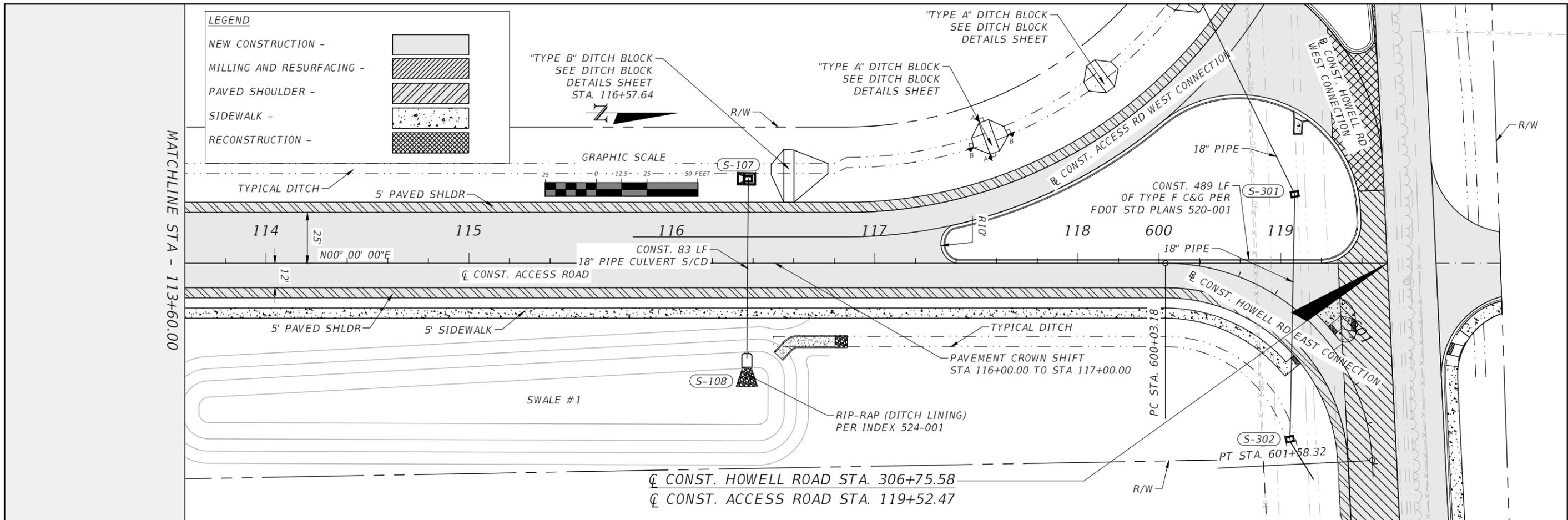


LEGEND	
NEW CONSTRUCTION -	
SHOULDER -	
SIDEWALK -	



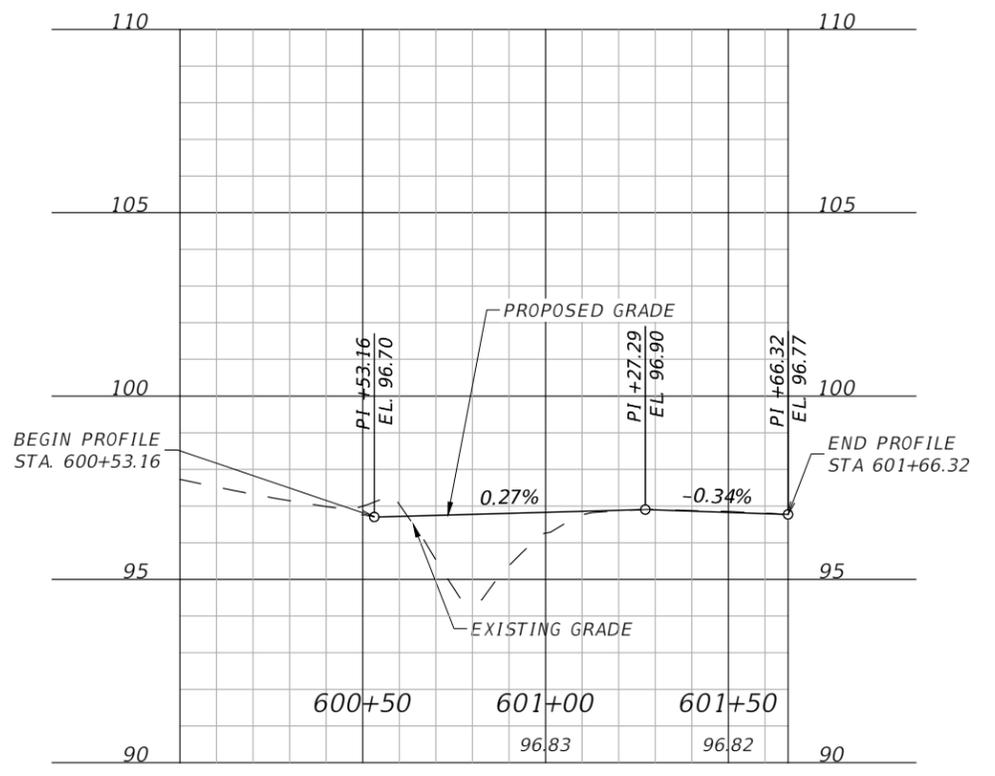
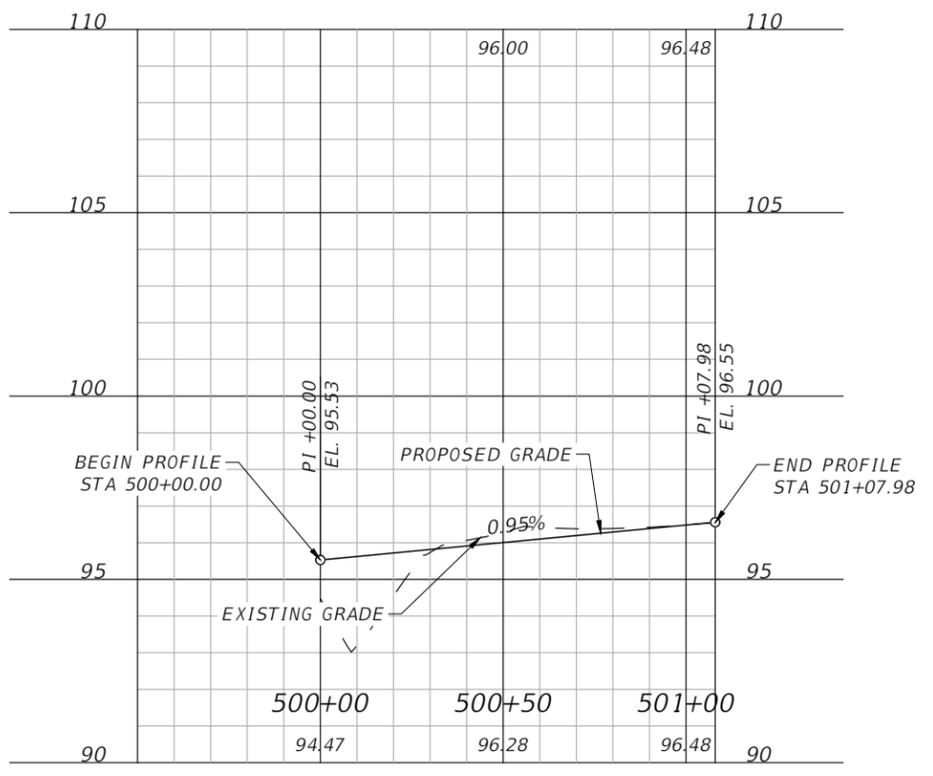
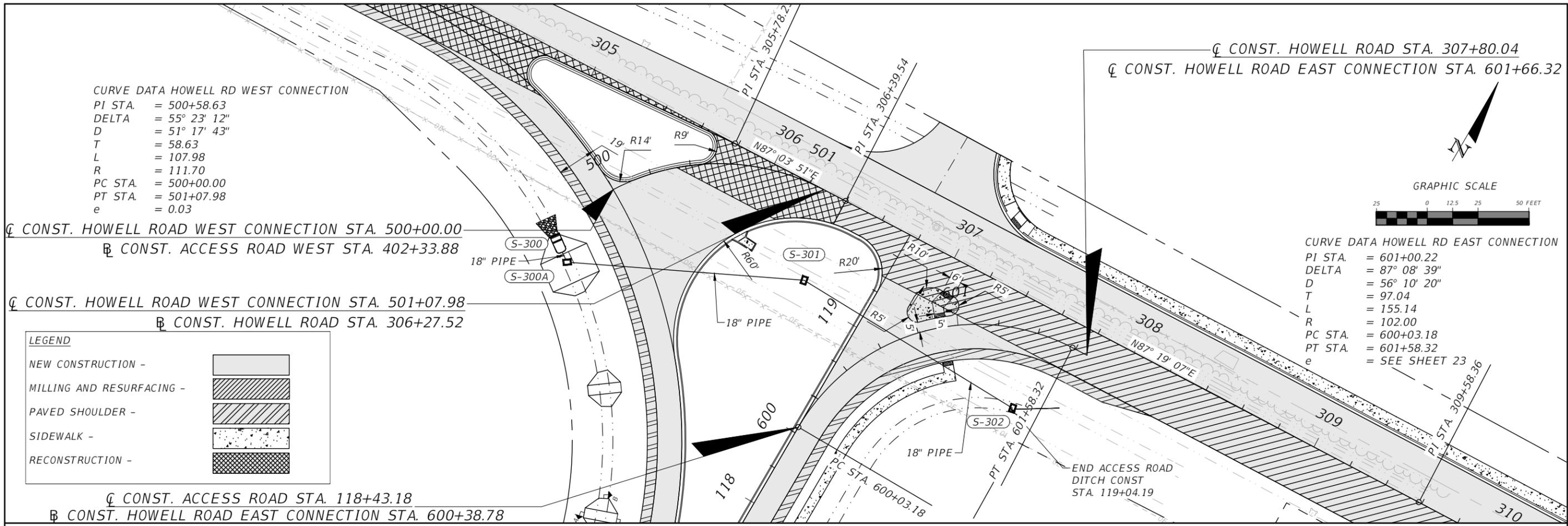
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		

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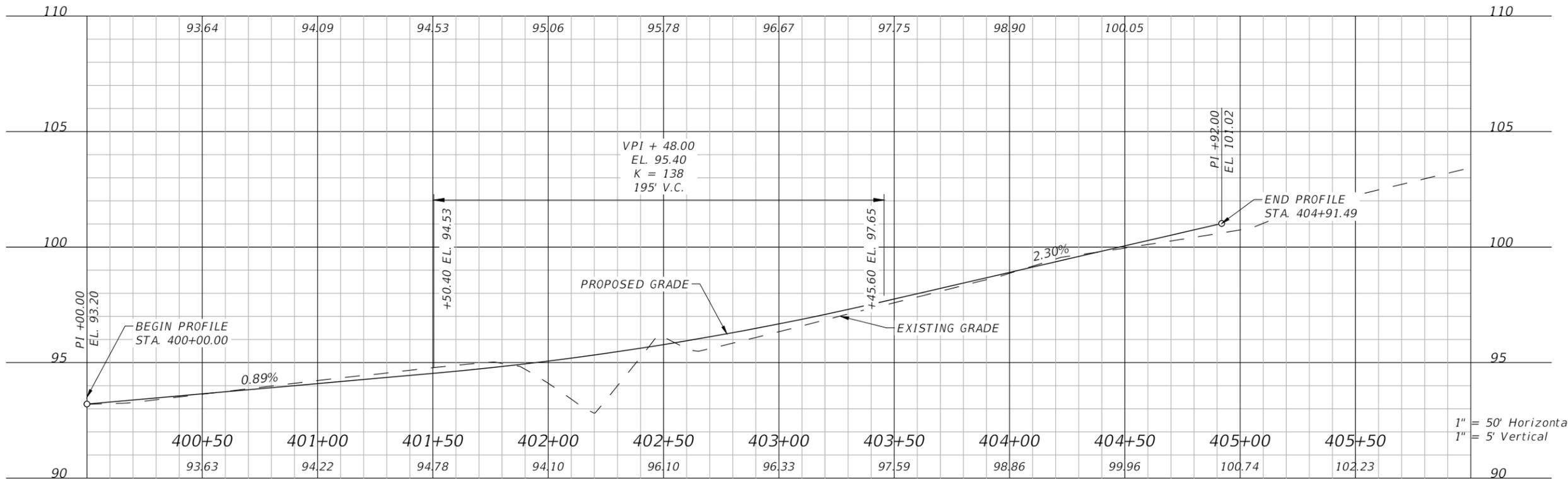
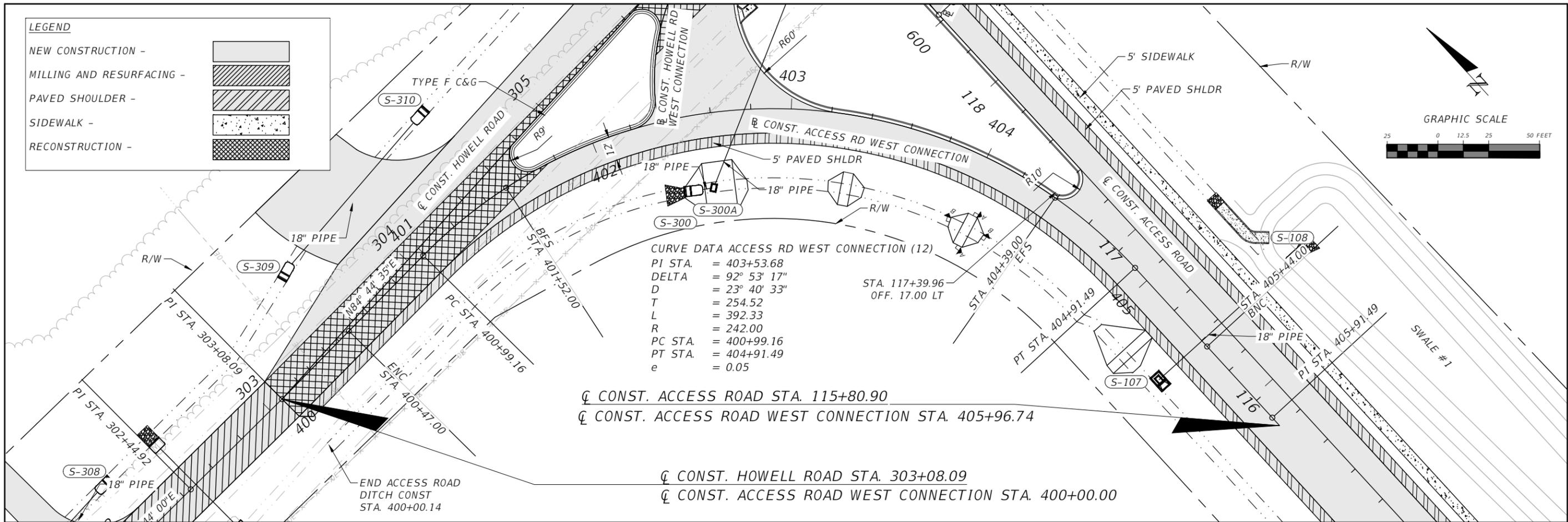
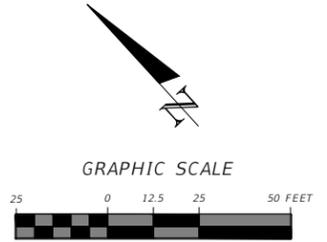


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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		

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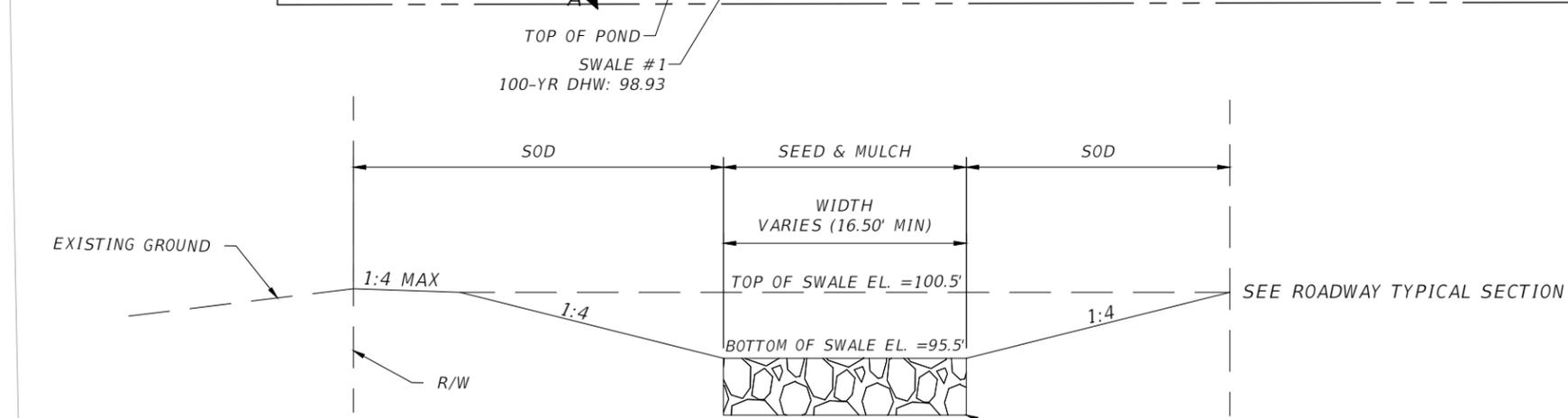
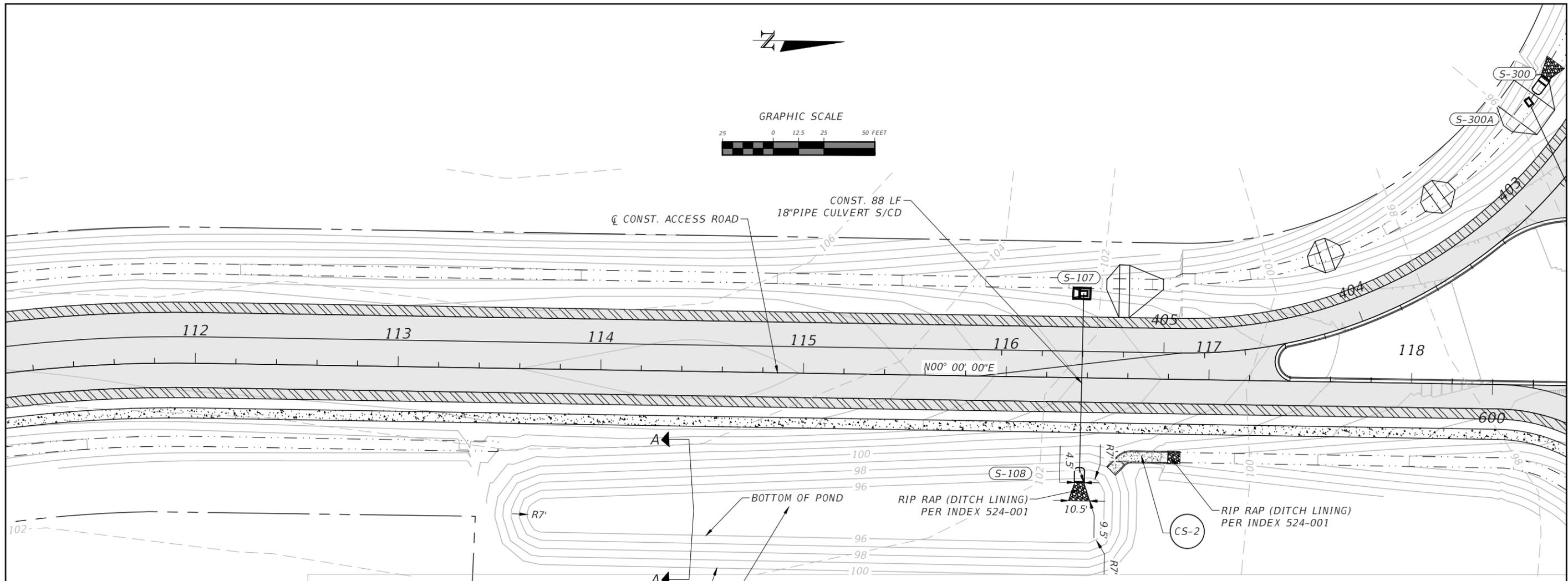
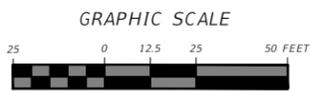
LEGEND	
NEW CONSTRUCTION -	
MILLING AND RESURFACING -	
PAVED SHOULDER -	
SIDEWALK -	
RECONSTRUCTION -	



REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			ACCESS RD WEST CONNECTION PLAN & PROFILE	SHEET NO. 21
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		

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**SECTION A-A**  
NOT TO SCALE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

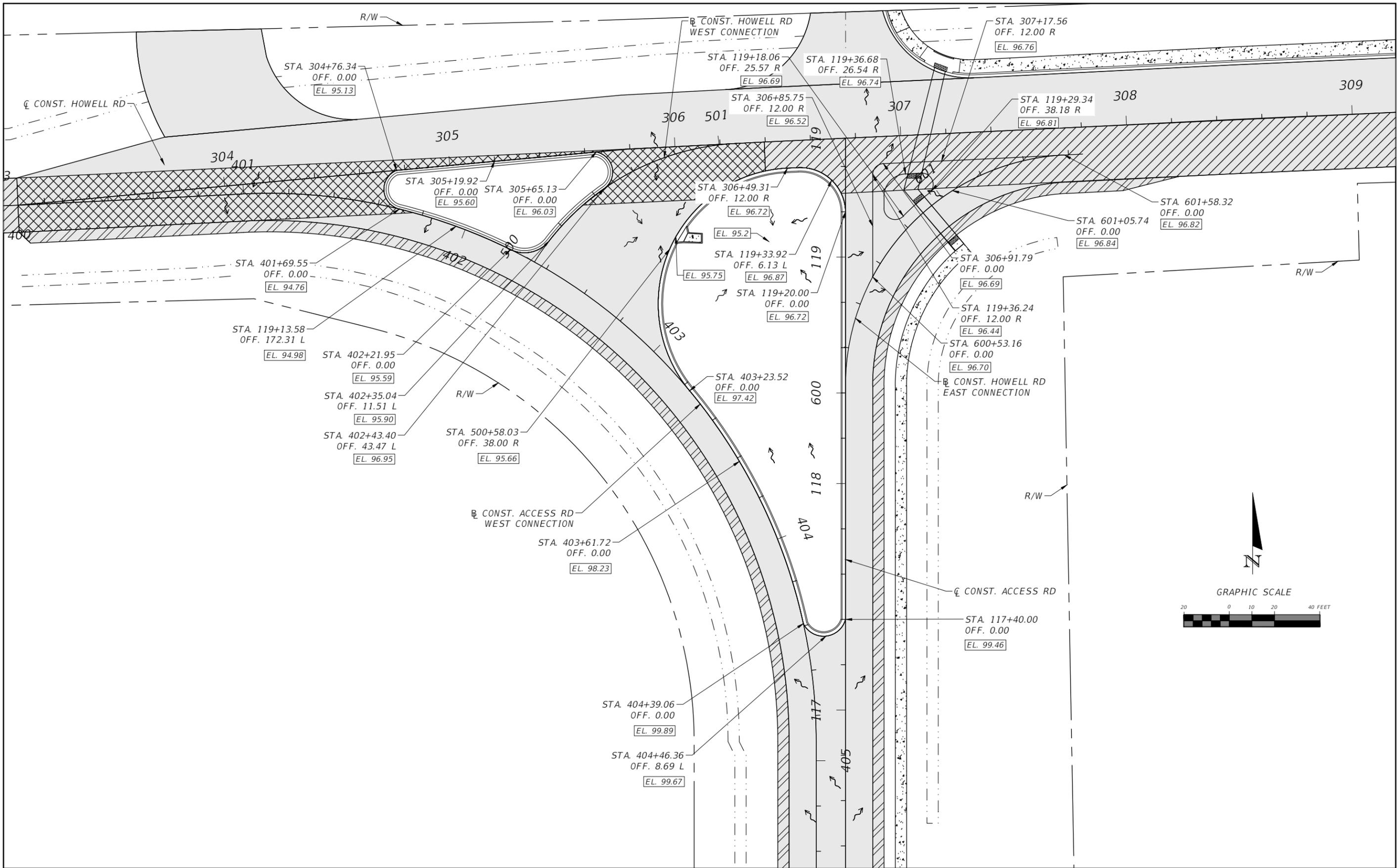
JAMES C. DONAHUE, P.E.  
P.E. LICENSE NUMBER 98320  
KIMLEY-HORN & ASSOCIATES, INC.  
2619 CENTENNIAL BLVD. SUITE 200  
TALLAHASSEE, FL 32308

COLUMBIA CO BOCC		
ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID

**STORMWATER FACILITY SWALE**  
#1

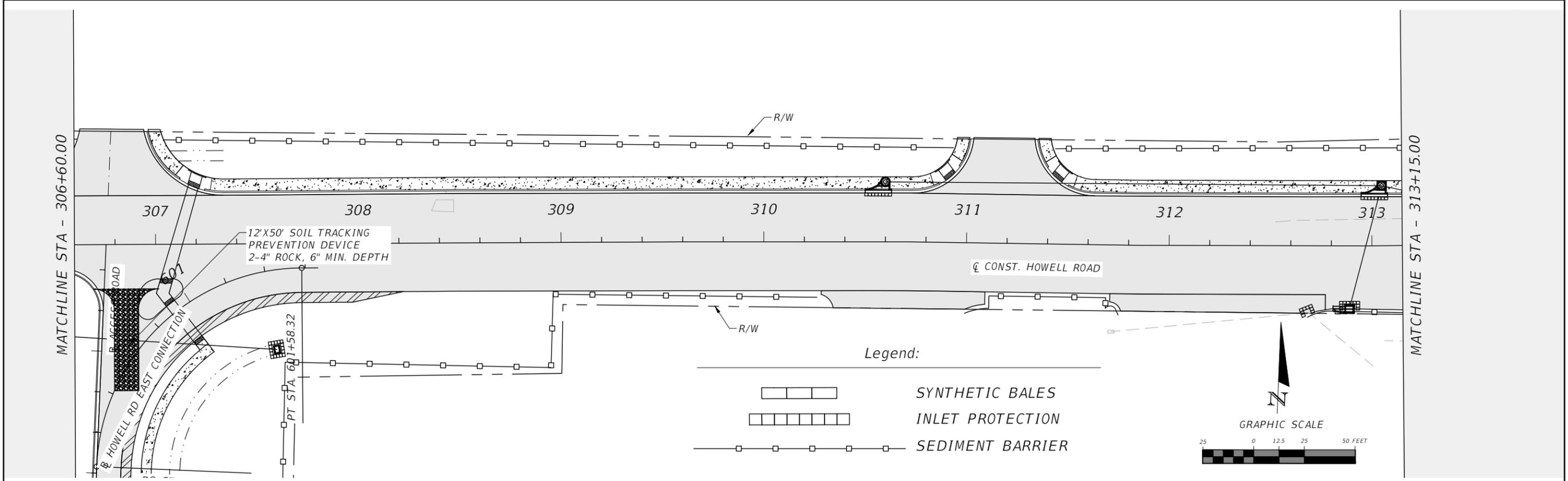
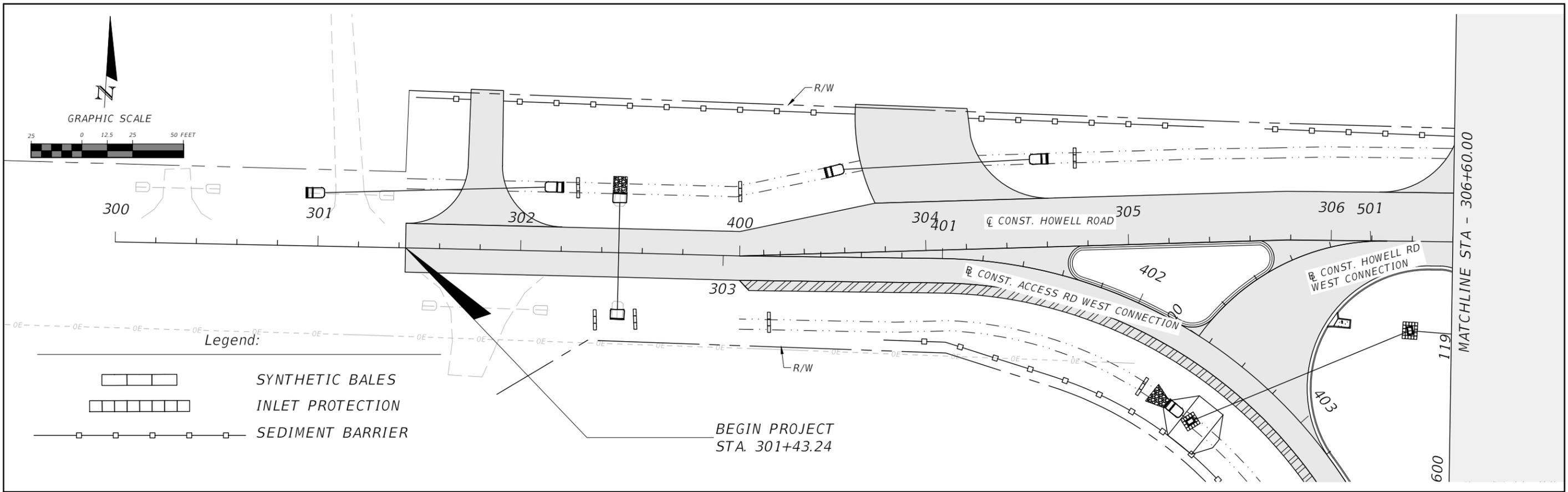
SHEET NO.  
23

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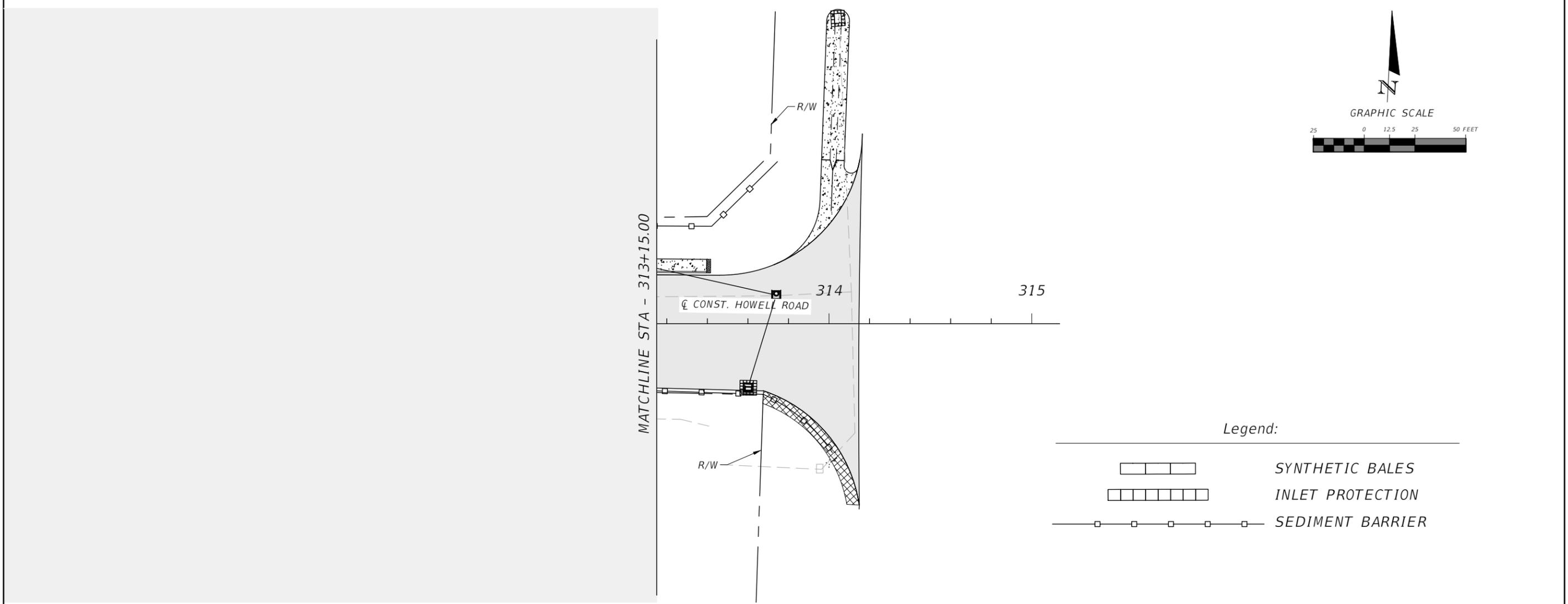
REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			<b>INTERSECTION GRADING PLAN</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		24
					HOWELL RD	COLUMBIA			

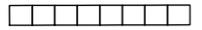


REVISIONS		REVISIONS		DATE	DESCRIPTION	DATE	DESCRIPTION
DATE	DESCRIPTION	DATE	DESCRIPTION				

JAMES C. DONAHUE, P.E. P.E. LICENSE NUMBER 98320 KIMLEY-HORN & ASSOCIATES, INC. 2619 CENTENNIAL BLVD. SUITE 200 TALLAHASSEE, FL 32308			<b>COLUMBIA CO BOCC</b>			<b>HOWELL ROAD EROSION CONTROL PLAN</b>	SHEET NO.
ROAD NO.	COUNTY	FINANCIAL PROJECT ID		25			
HOWELL RD	COLUMBIA						

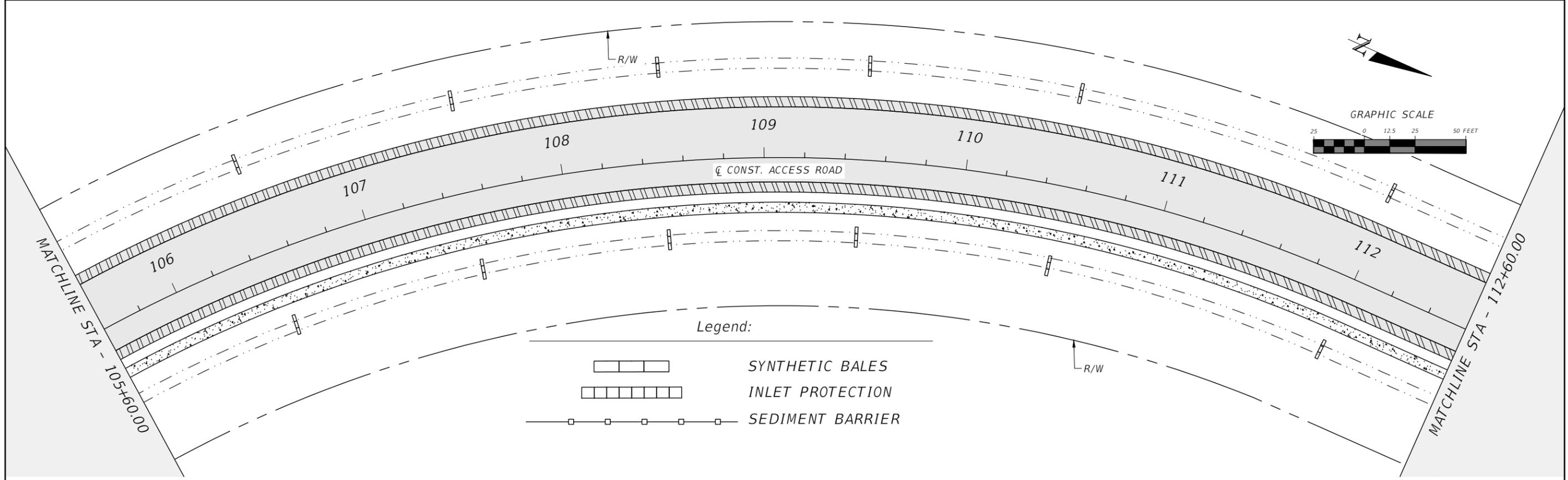
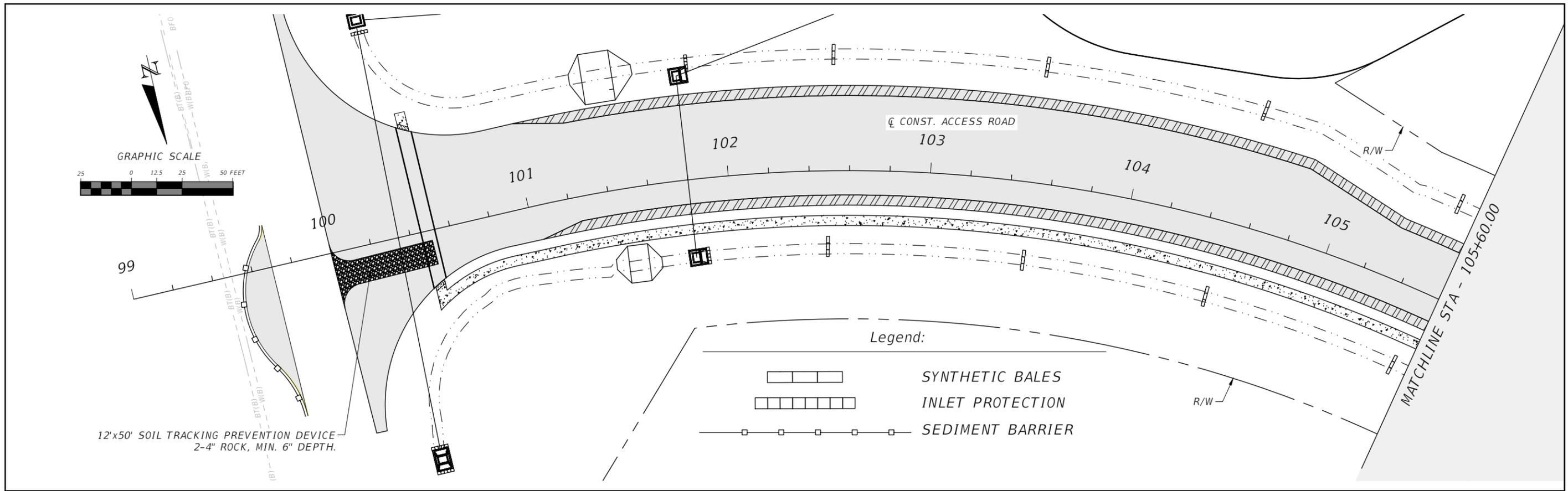
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- Legend:
-  SYNTHETIC BALES
  -  INLET PROTECTION
  -  SEDIMENT BARRIER

REVISIONS				JAMES C. DONAHUE, P.E. P.E. LICENSE NUMBER 98320 KIMLEY-HORN & ASSOCIATES, INC. 2619 CENTENNIAL BLVD. SUITE 200 TALLAHASSEE, FL 32308	COLUMBIA CO BOCC			<b>HOWELL ROAD EROSION CONTROL PLAN</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		26
					HOWELL RD	COLUMBIA			

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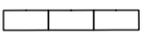
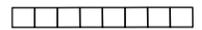
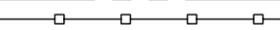


REVISIONS				JAMES C. DONAHUE, P.E. P.E. LICENSE NUMBER 98320 KIMLEY-HORN & ASSOCIATES, INC. 2619 CENTENNIAL BLVD. SUITE 200 TALLAHASSEE, FL 32308	COLUMBIA CO BOCC			<b>ACCESS ROAD EROSION CONTROL PLAN</b>	SHEET NO.  27
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				HOWELL RD	COLUMBIA				

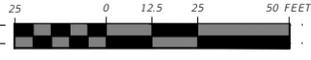
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Legend:



-  SYNTHETIC BALES
-  INLET PROTECTION
-  SEDIMENT BARRIER

GRAPHIC SCALE



MATCHLINE STA - 112+60.00

113

114

115

116

117

CL CONST. ACCESS ROAD

405

403

12'X50' SOIL TRACKING PREVENTION DEVICE  
2-4" ROCK, 6" MIN. DEPTH

404

600

119

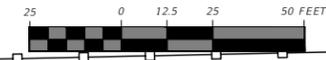
105 501

307

SWALE #1  
100-YR DHW: 98.93



GRAPHIC SCALE



PC STA. 600+03.18

PT STA. 601+58.32



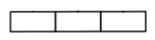
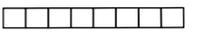
GRAPHIC SCALE



POND #1  
100-YR DHW+75.5

CL CONST. ACCESS ROAD

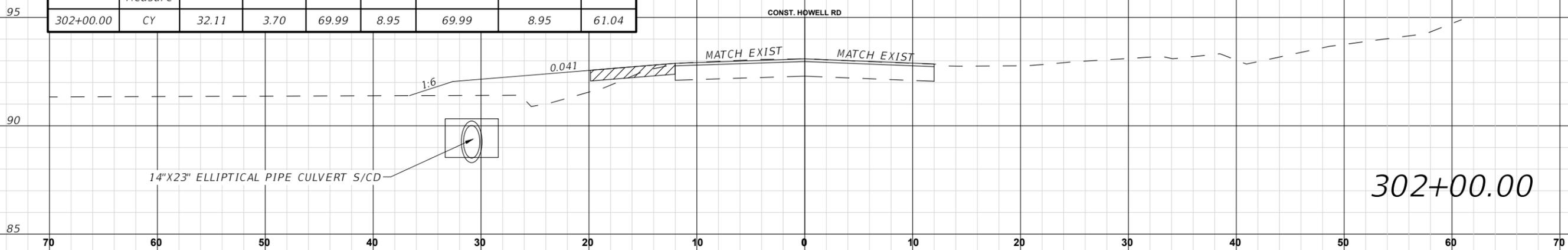
Legend:

-  SYNTHETIC BALES
-  INLET PROTECTION
-  SEDIMENT BARRIER

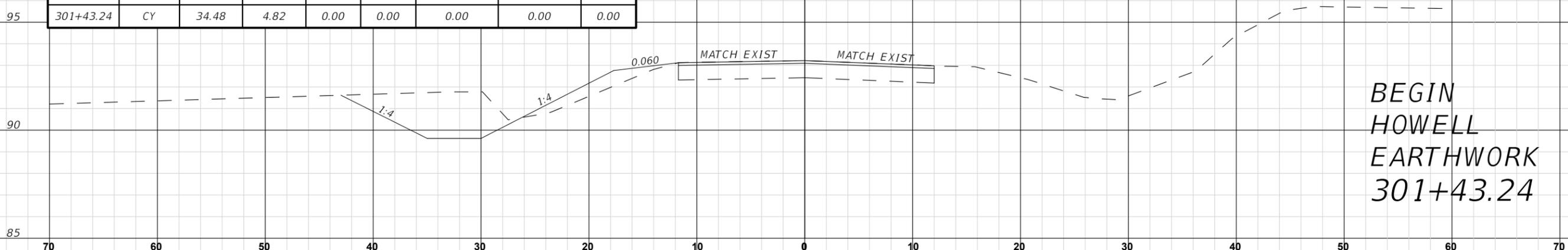
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REVISIONS				JAMES C. DONAHUE, P.E. P.E. LICENSE NUMBER 98320 KIMLEY-HORN & ASSOCIATES, INC. 2619 CENTENNIAL BLVD. SUITE 200 TALLAHASSEE, FL 32308	COLUMBIA CO BOCC			ACCESS ROAD EROSION CONTROL PLAN	SHEET NO.  28
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		

Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
302+00.00	CY	32.11	3.70	69.99	8.95	69.99	8.95	61.04



Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
301+43.24	CY	34.48	4.82	0.00	0.00	0.00	0.00	0.00



302+00.00

BEGIN  
HOWELL  
EARTHWORK  
301+43.24

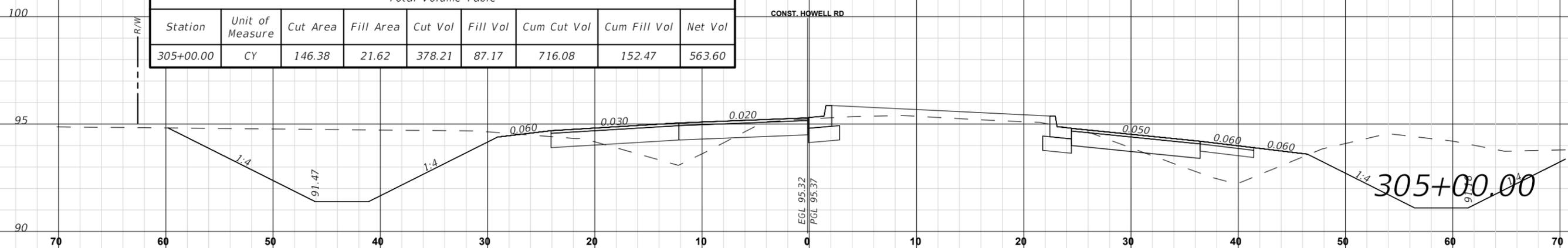
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			SHEET NO. 29
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID	

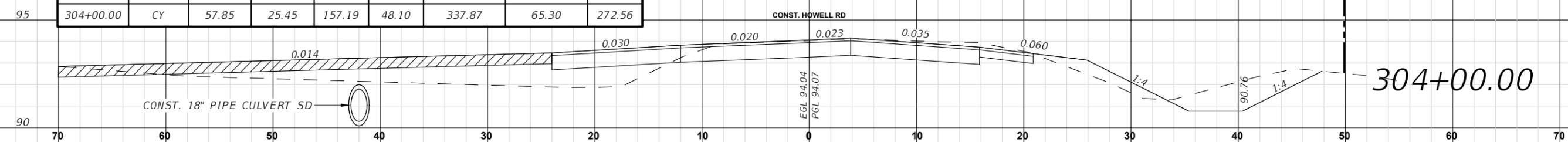
HOWELL ROAD CROSS SECTIONS

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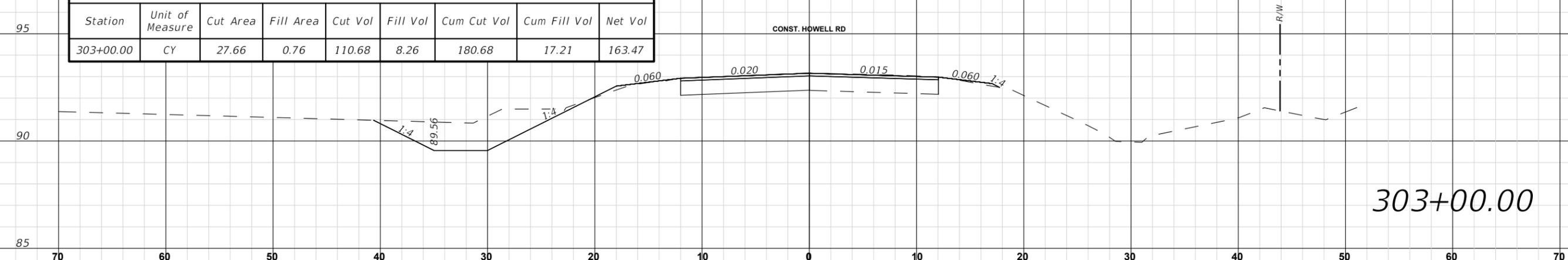
Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
305+00.00	CY	146.38	21.62	378.21	87.17	716.08	152.47	563.60



Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
304+00.00	CY	57.85	25.45	157.19	48.10	337.87	65.30	272.56



Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
303+00.00	CY	27.66	0.76	110.68	8.26	180.68	17.21	163.47



1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RYAN DOUGLAS ASMUS, P.E.  
P.E. LICENSE NUMBER 66626  
NFPS  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056

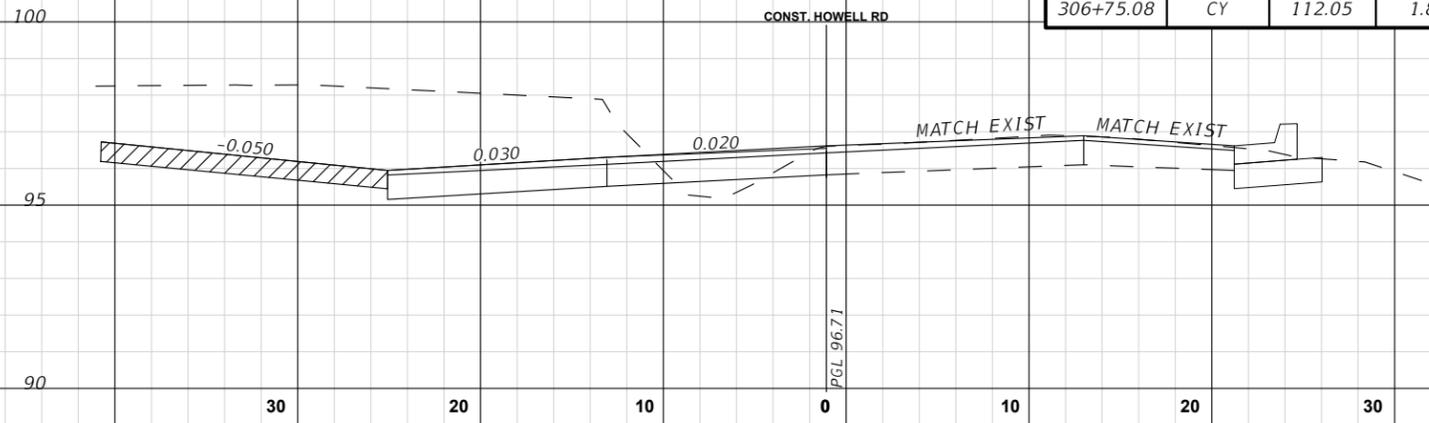
COLUMBIA CO BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

**HOWELL ROAD CROSS SECTIONS**

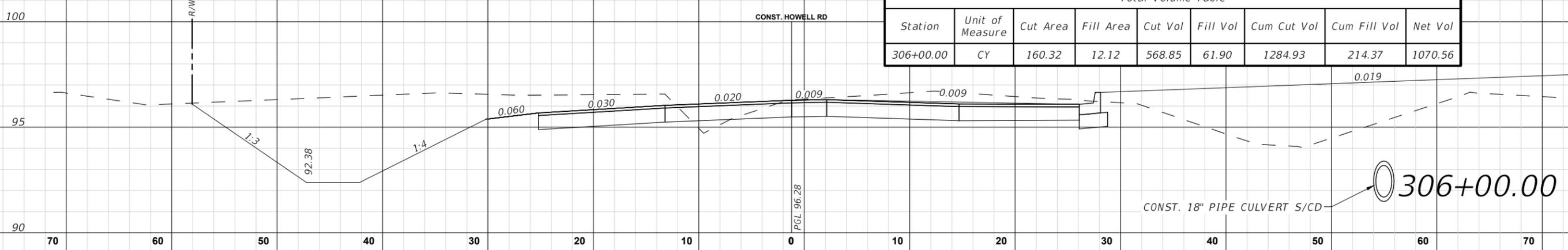
SHEET NO.  
30

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Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
306+75.08	CY	112.05	1.88	378.68	19.46	1663.61	233.83	1429.78



Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
306+00.00	CY	160.32	12.12	568.85	61.90	1284.93	214.37	1070.56



1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RYAN DOUGLAS ASMUS, P.E.  
P.E. LICENSE NUMBER 66626  
NFPS  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056

COLUMBIA CO BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

**HOWELL ROAD CROSS SECTIONS**

SHEET NO.  
31

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Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
310+00.00	CY	48.78	0.00	195.71	0.00	2487.90	238.27	2249.63

100

95

90

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

CONST. HOWELL RD

310+00.00

Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
309+00.00	CY	56.91	0.00	222.75	0.04	2292.18	238.27	2053.92

100

95

90

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

CONST. HOWELL RD

309+00.00

Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
308+00.00	CY	63.38	0.02	405.82	4.40	2069.43	238.23	1831.20

100

95

90

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

CONST. HOWELL RD

308+00.00

1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

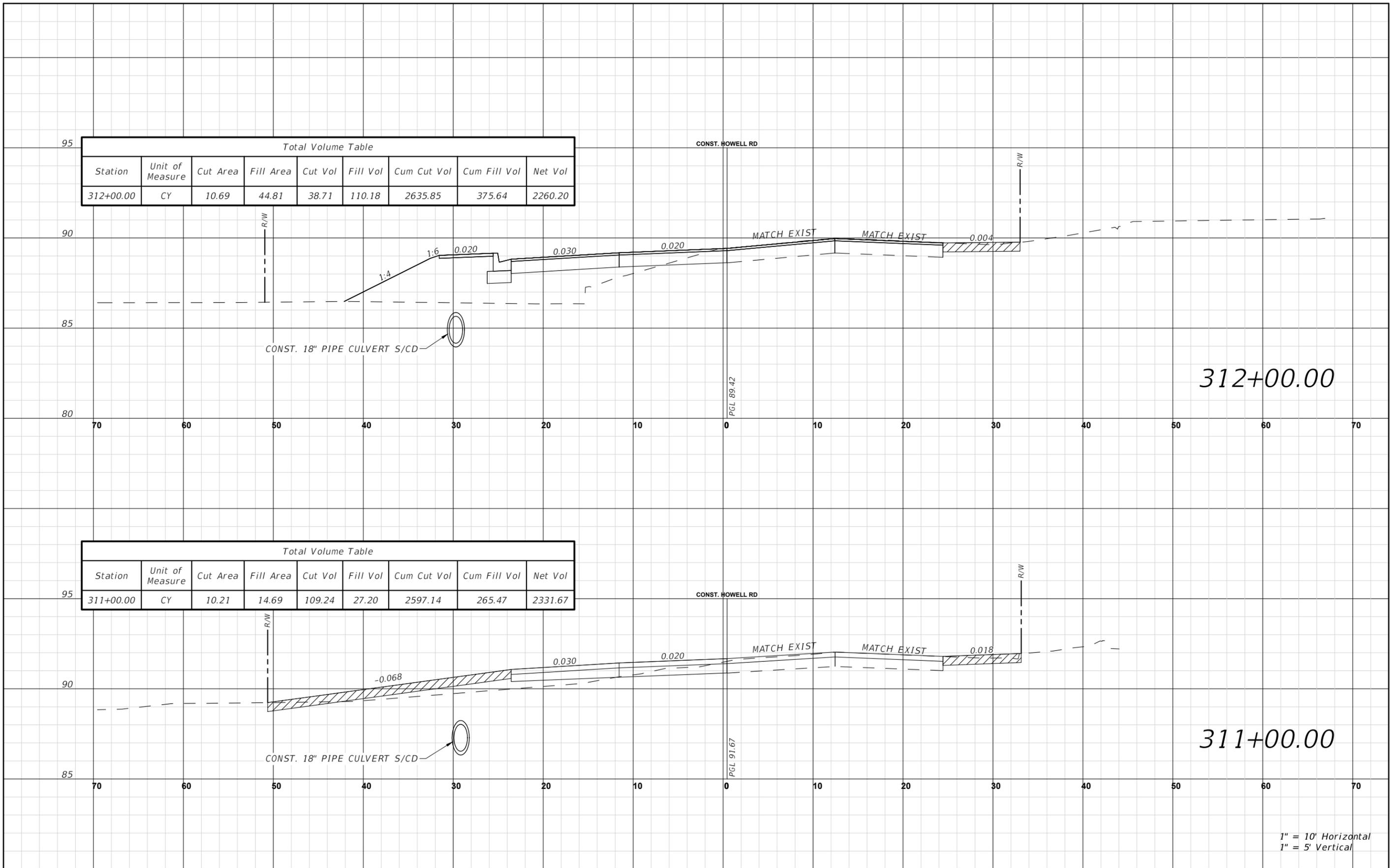
RYAN DOUGLAS ASMUS, P.E.  
P.E. LICENSE NUMBER 66626  
NFPS  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056

COLUMBIA CO BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

HOWELL ROAD CROSS SECTIONS

SHEET NO.  
32

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Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
312+00.00	CY	10.69	44.81	38.71	110.18	2635.85	375.64	2260.20

Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
311+00.00	CY	10.21	14.69	109.24	27.20	2597.14	265.47	2331.67

312+00.00

311+00.00

1" = 10' Horizontal  
1" = 5' Vertical

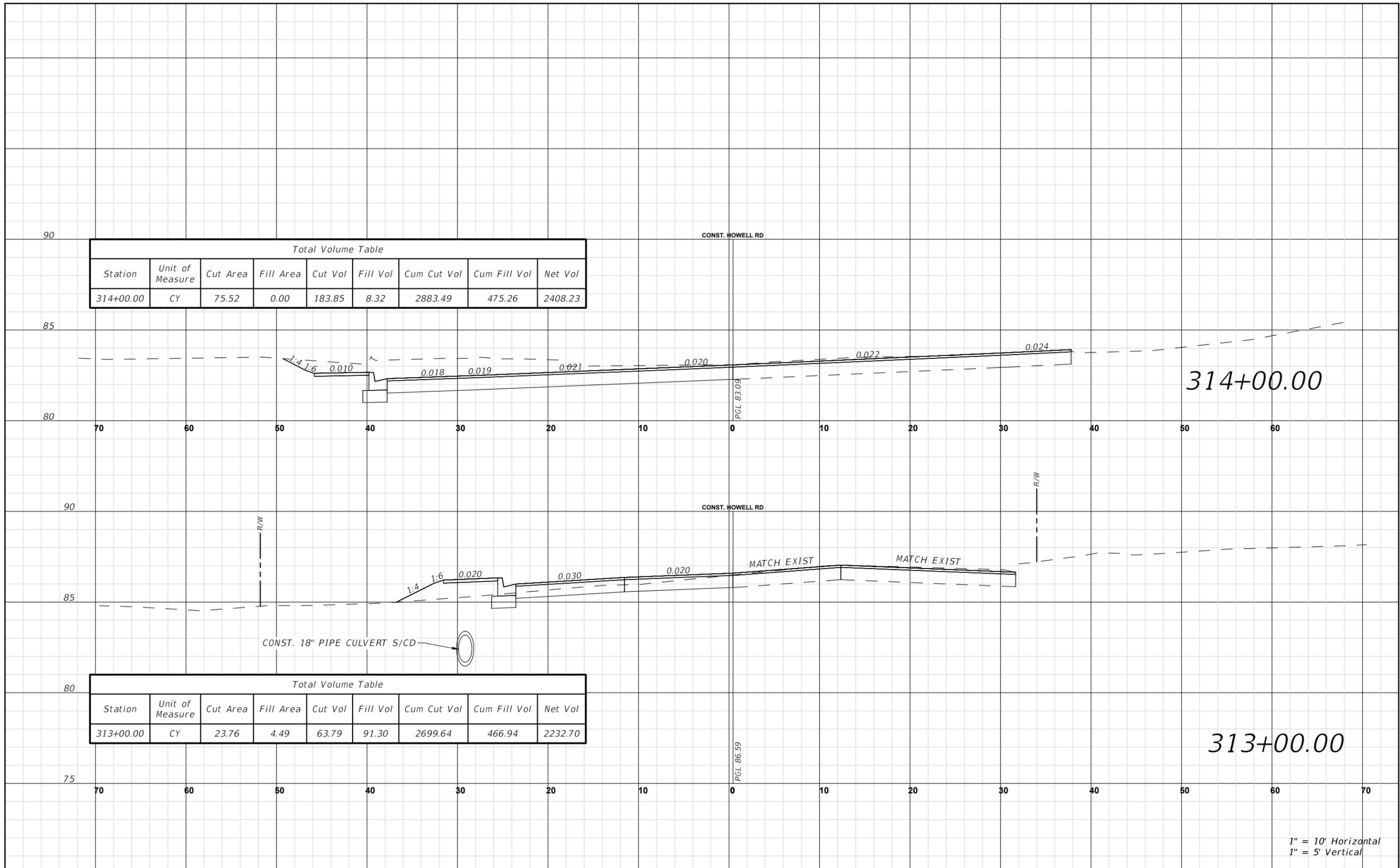
REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			SHEET NO. 33
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID	

HOWELL ROAD CROSS SECTIONS

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Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
314+00.00	CY	75.52	0.00	183.85	8.32	2883.49	475.26	2408.23

Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
313+00.00	CY	23.76	4.49	63.79	91.30	2699.64	466.94	2232.70

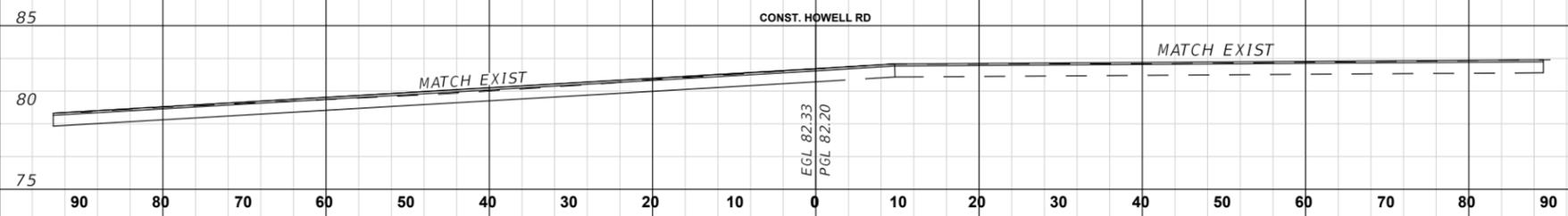


1" = 10' Horizontal  
1" = 5' Vertical

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		

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Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
314+14.77	CY	0.18	0.00	20.70	0.00	2904.20	475.26	2428.93



END  
HOWELL  
EARTHWORK  
314+14.77

1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			HOWELL ROAD CROSS SECTIONS	SHEET NO. 35
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		

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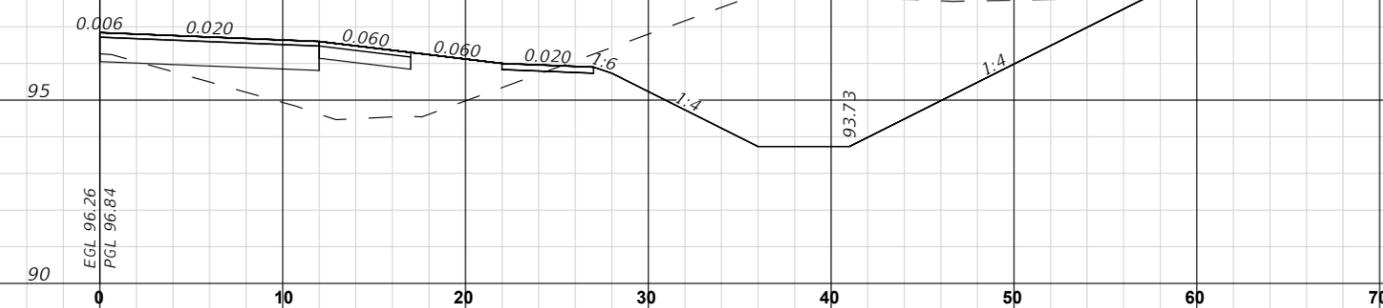
100 CONST. HOWELL RD EAST CONNECTION



Total Volume Table								
Station	Unit Of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
601+50.00	CY	54.93	10.63	73.95	21.93	185.21	35.53	149.68

601+50.00

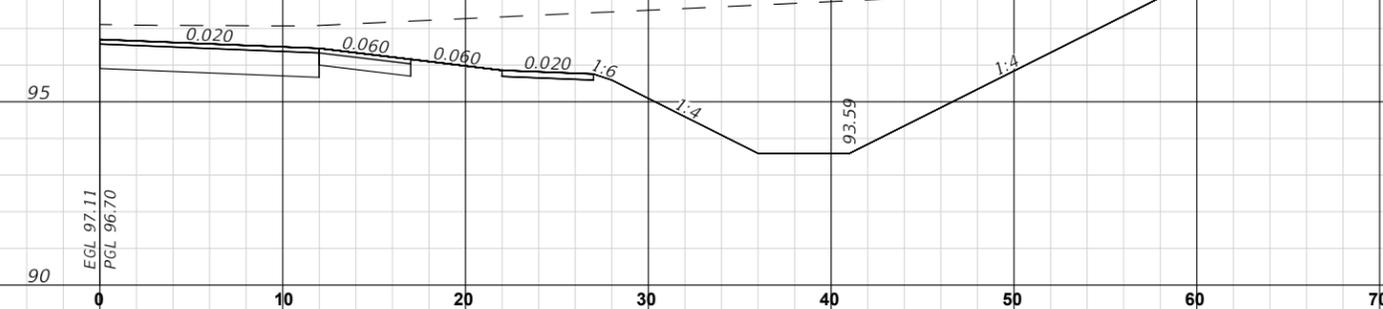
100 CONST. HOWELL RD EAST CONNECTION



Total Volume Table								
Station	Unit Of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
601+00.00	CY	73.54	18.31	111.26	13.60	111.26	13.60	97.66

601+00.00

100 CONST. HOWELL RD EAST CONNECTION



Total Volume Table								
Station	Unit Of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
600+53.18	CY	122.20	0.00	0.00	0.00	0.00	0.00	0.00

600+53.18

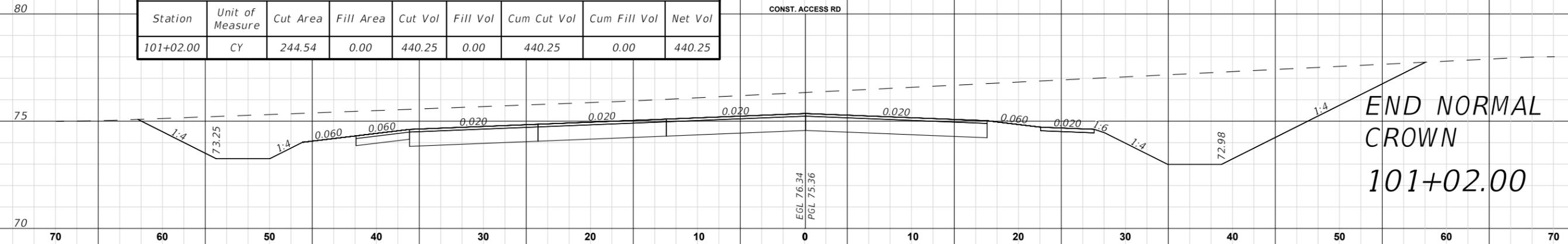
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1" = 5' Vertical

REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			HOWELL RD EAST CROSS SECTIONS	SHEET NO. 36
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		

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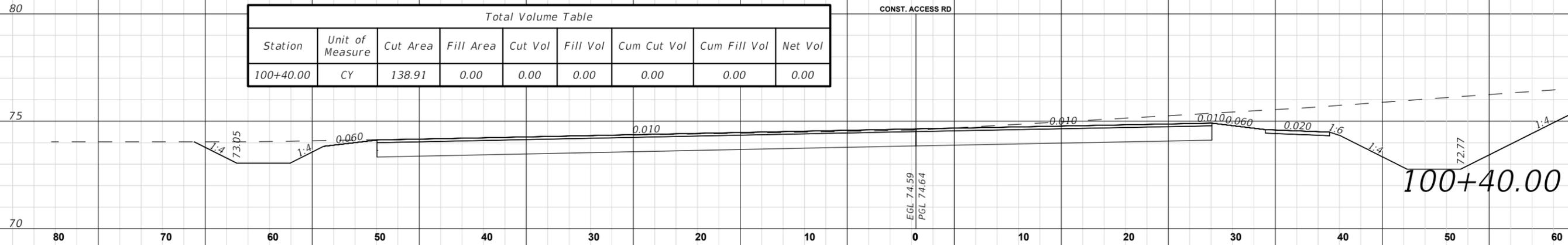
Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
101+02.00	CY	244.54	0.00	440.25	0.00	440.25	0.00	440.25

CONST. ACCESS RD



Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
100+40.00	CY	138.91	0.00	0.00	0.00	0.00	0.00	0.00

CONST. ACCESS RD



1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RYAN DOUGLAS ASMUS, P.E.  
P.E. LICENSE NUMBER 66626  
NFPS  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056

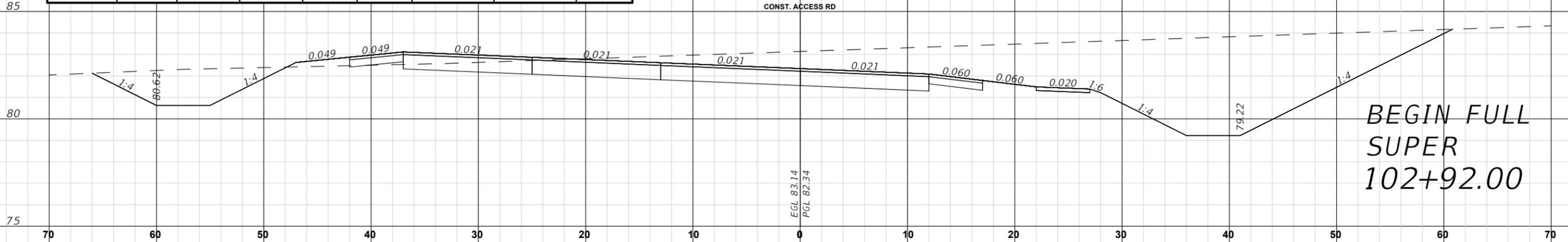
COLUMBIA CO BOCC		
ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID

ACCESS ROAD CROSS SECTIONS

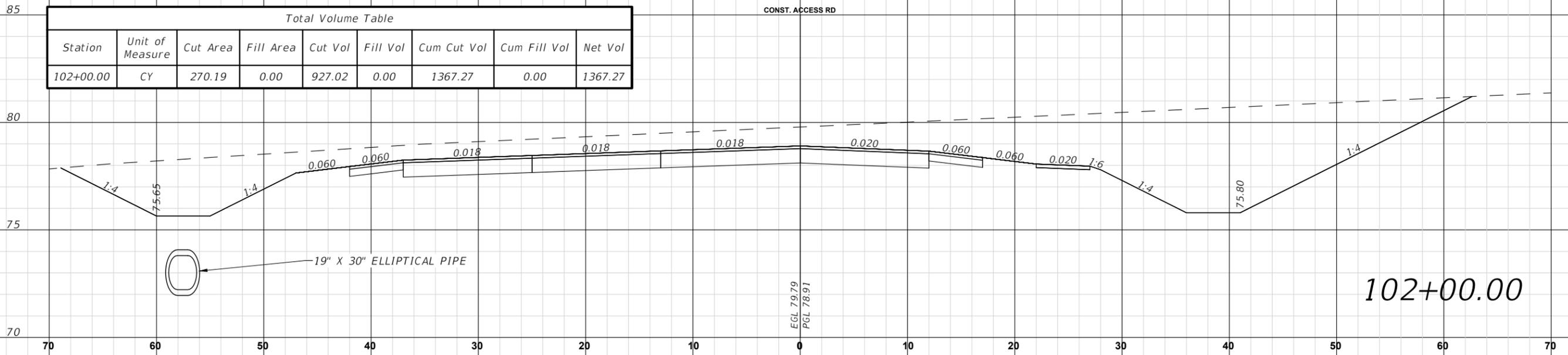
SHEET NO.  
37

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Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
102+92.00	CY	199.81	0.56	789.06	1.01	2156.32	1.01	2155.31



Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
102+00.00	CY	270.19	0.00	927.02	0.00	1367.27	0.00	1367.27



1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RYAN DOUGLAS ASMUS, P.E.  
P.E. LICENSE NUMBER 66626  
NFPS  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056

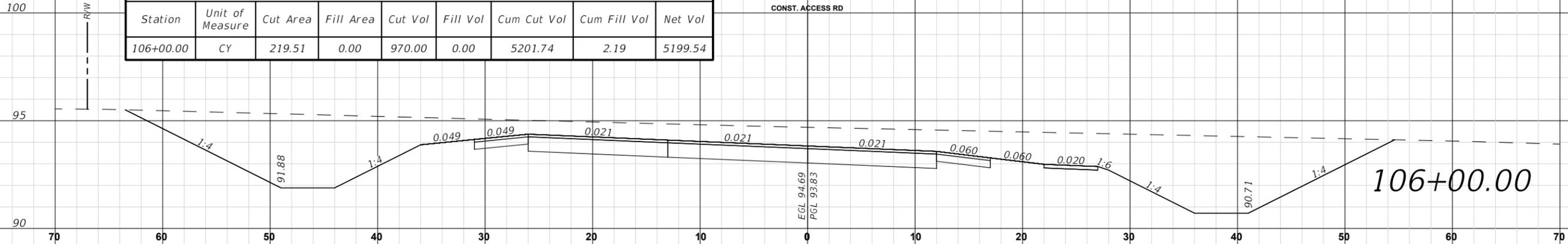
COLUMBIA CO BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

ACCESS ROAD CROSS SECTIONS

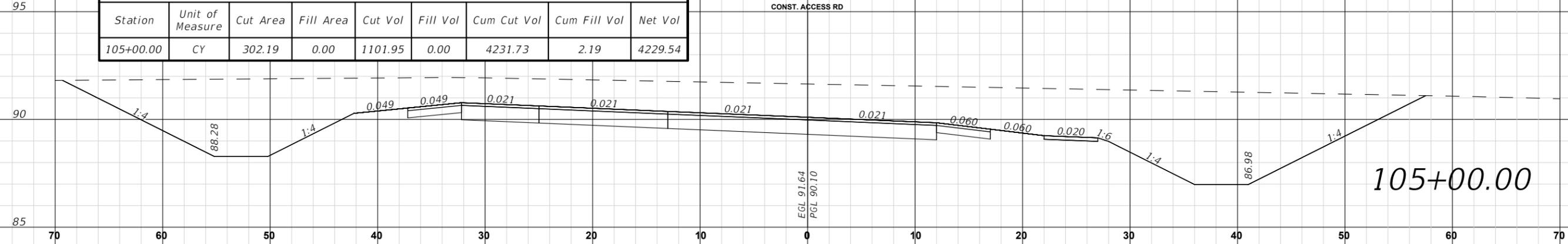
SHEET NO.  
38

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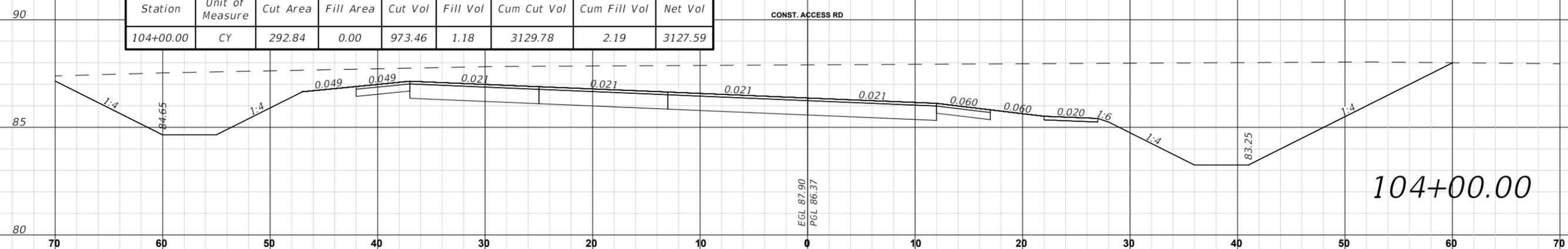
Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
106+00.00	CY	219.51	0.00	970.00	0.00	5201.74	2.19	5199.54



Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
105+00.00	CY	302.19	0.00	1101.95	0.00	4231.73	2.19	4229.54



Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
104+00.00	CY	292.84	0.00	973.46	1.18	3129.78	2.19	3127.59



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1" = 5' Vertical

REVISIONS			
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LAKE CITY, FLORIDA 32056

COLUMBIA CO BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

ACCESS ROAD CROSS SECTIONS

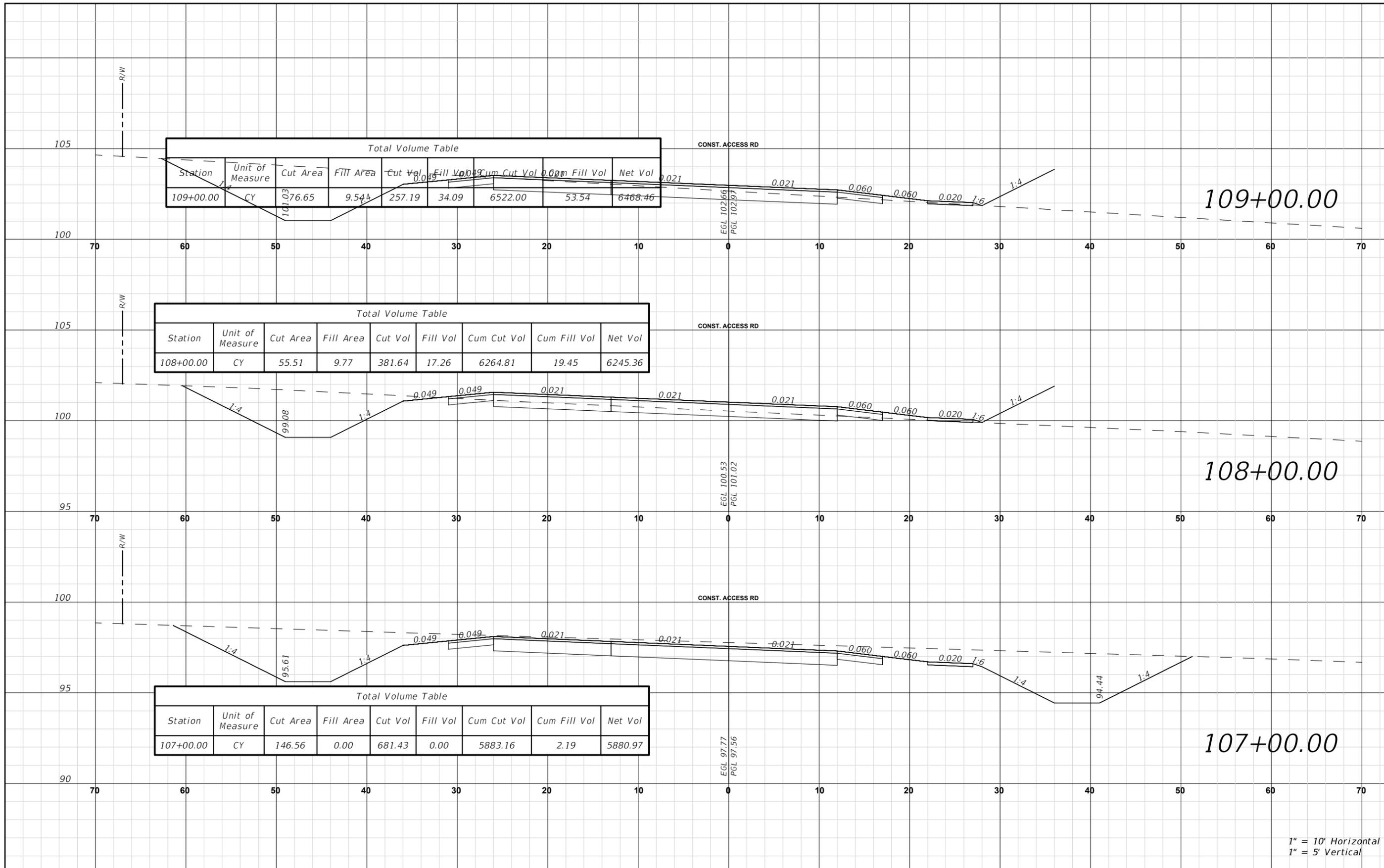
SHEET NO.  
39

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Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
109+00.00	CY	76.65	9.54	257.19	34.09	6522.00	53.54	6468.46

Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
108+00.00	CY	55.51	9.77	381.64	17.26	6264.81	19.45	6245.36

Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
107+00.00	CY	146.56	0.00	681.43	0.00	5883.16	2.19	5880.97



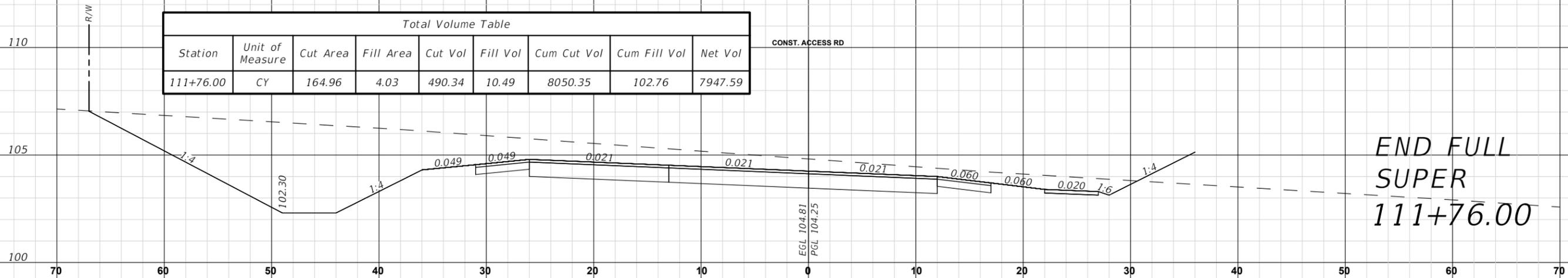
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			ACCESS ROAD CROSS SECTIONS	SHEET NO. 40
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		

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Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
111+76.00	CY	164.96	4.03	490.34	10.49	8050.35	102.76	7947.59

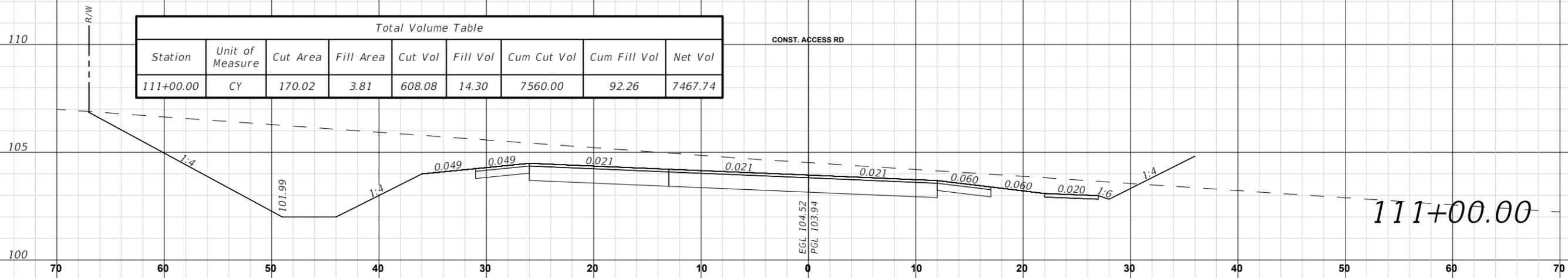
CONST. ACCESS RD



END FULL  
SUPER  
111+76.00

Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
111+00.00	CY	170.02	3.81	608.08	14.30	7560.00	92.26	7467.74

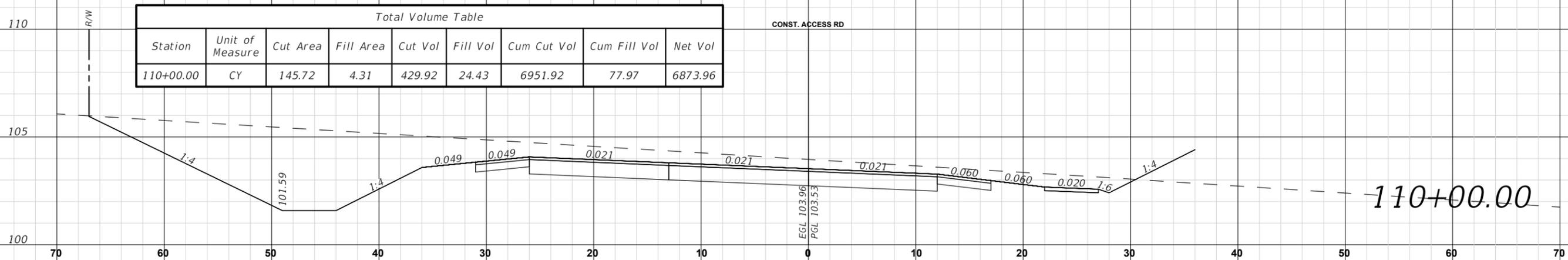
CONST. ACCESS RD



111+00.00

Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
110+00.00	CY	145.72	4.31	429.92	24.43	6951.92	77.97	6873.96

CONST. ACCESS RD



110+00.00

1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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P.E. LICENSE NUMBER 66626  
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LAKE CITY, FLORIDA 32056

COLUMBIA CO BOCC

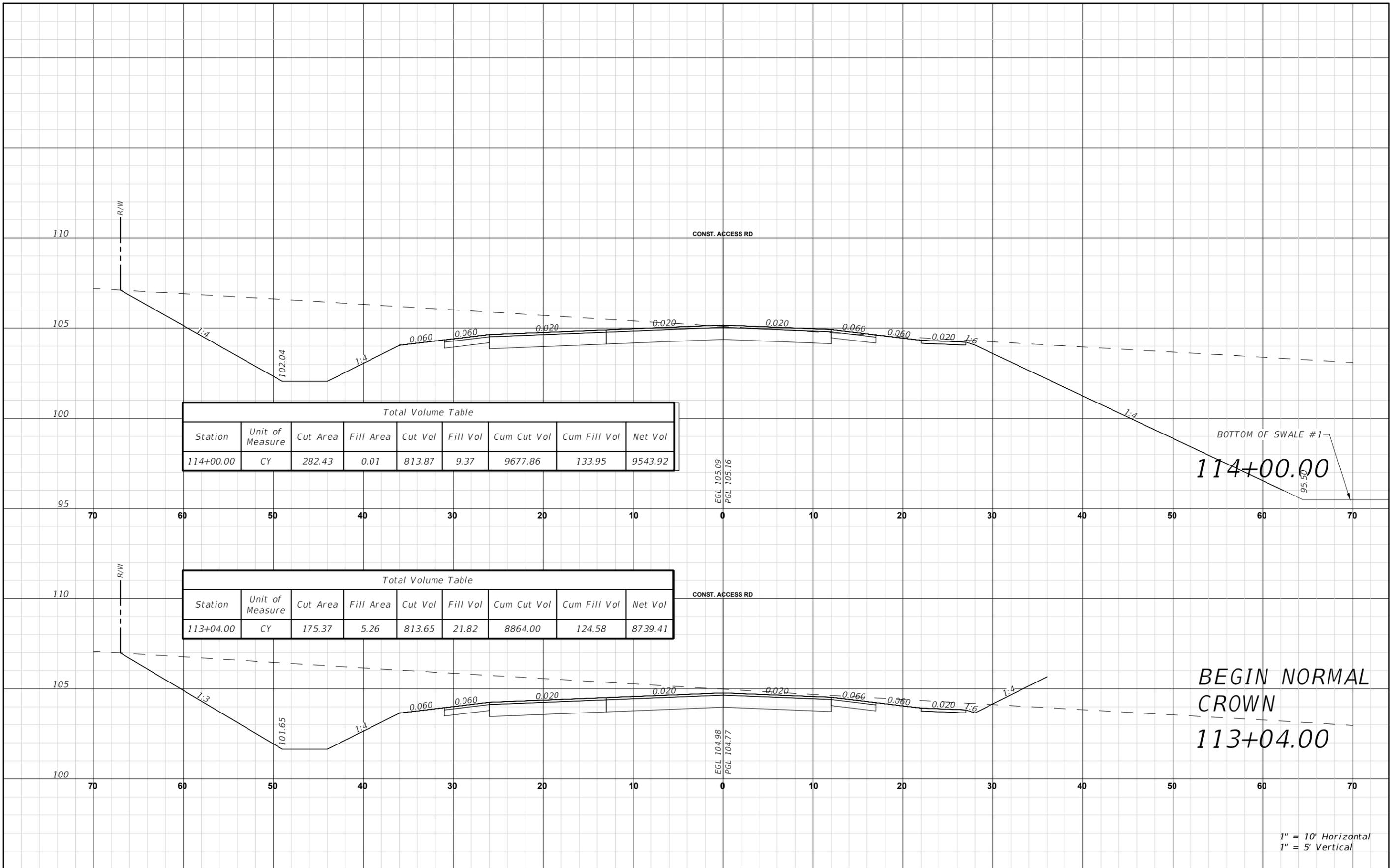
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

ACCESS ROAD CROSS SECTIONS

SHEET NO.

41

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Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
114+00.00	CY	282.43	0.01	813.87	9.37	9677.86	133.95	9543.92

Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
113+04.00	CY	175.37	5.26	813.65	21.82	8864.00	124.58	8739.41

BOTTOM OF SWALE #1  
**114+00.00**  
 95.50

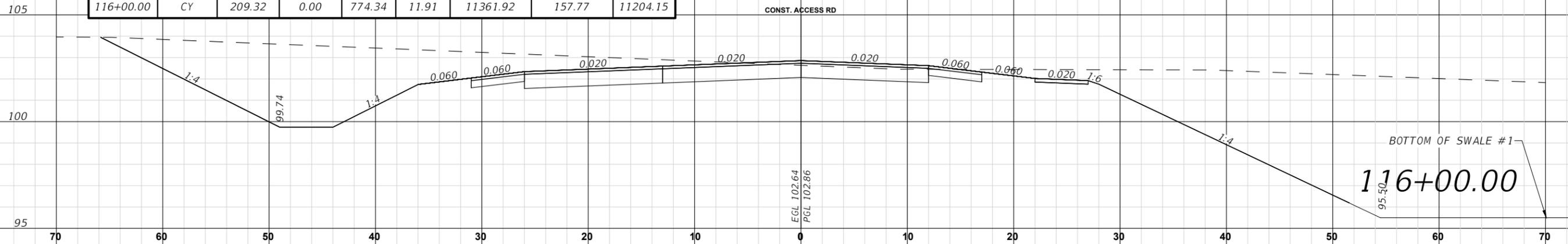
**BEGIN NORMAL CROWN**  
**113+04.00**

1" = 10' Horizontal  
 1" = 5' Vertical

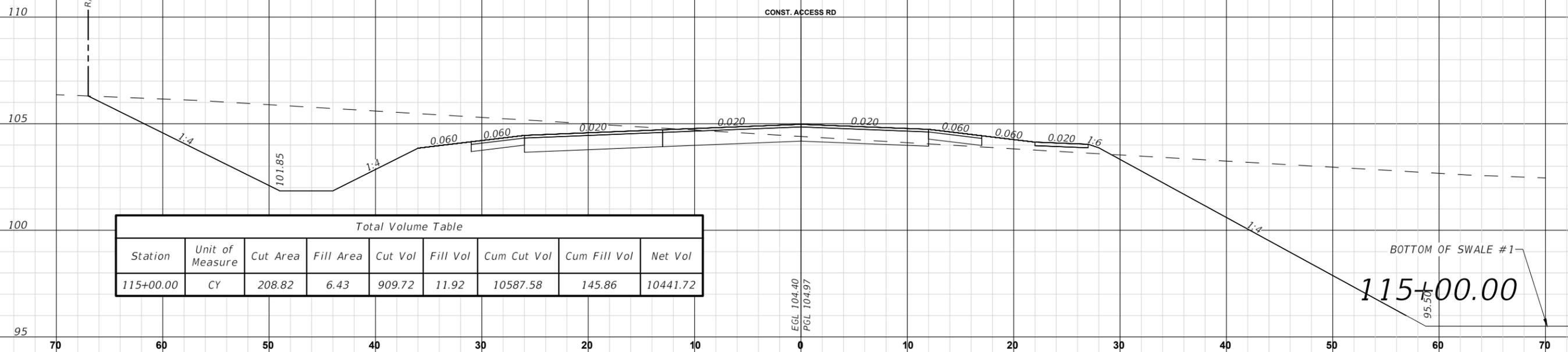
REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			SHEET NO. 42
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID	

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Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
116+00.00	CY	209.32	0.00	774.34	11.91	11361.92	157.77	11204.15



Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
115+00.00	CY	208.82	6.43	909.72	11.92	10587.58	145.86	10441.72



1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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P.E. LICENSE NUMBER 66626  
NFPS  
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LAKE CITY, FLORIDA 32056

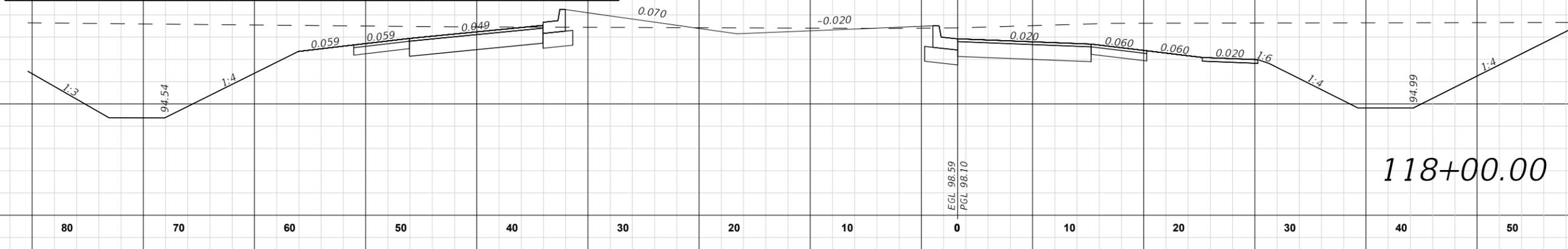
COLUMBIA CO BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

**ACCESS ROAD CROSS SECTIONS**

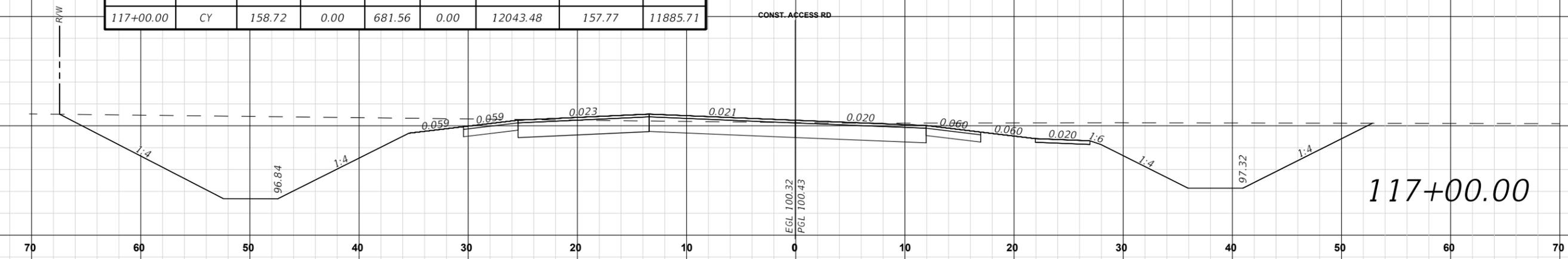
SHEET NO.
43

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Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
118+00.00	CY	251.31	0.00	759.32	0.00	12802.80	157.77	12645.03



Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
117+00.00	CY	158.72	0.00	681.56	0.00	12043.48	157.77	11885.71



1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

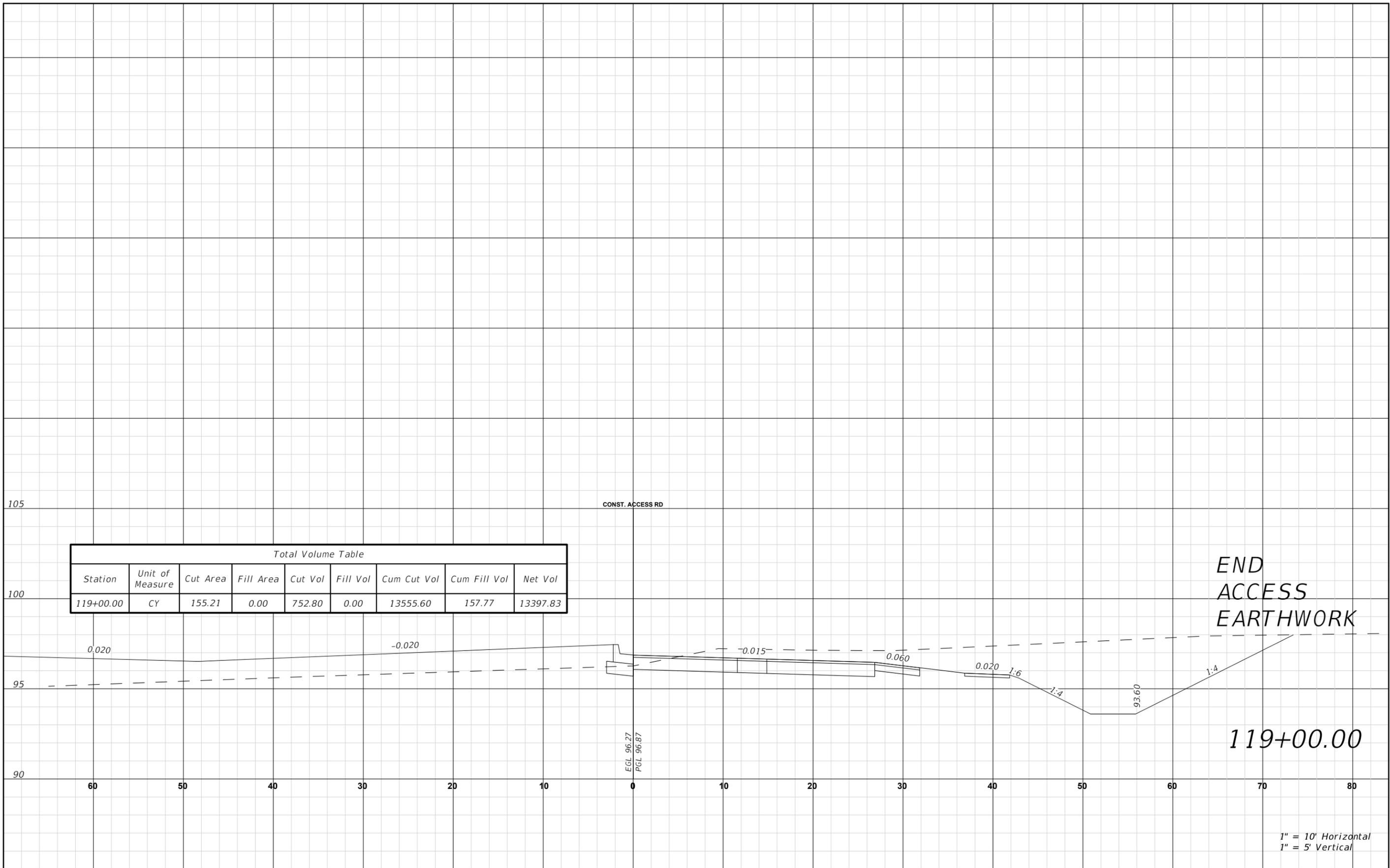
RYAN DOUGLAS ASMUS, P.E.  
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LAKE CITY, FLORIDA 32056

COLUMBIA CO BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

**ACCESS ROAD CROSS SECTIONS**

SHEET NO.  
44

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Total Volume Table								
Station	Unit of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
119+00.00	CY	155.21	0.00	752.80	0.00	13555.60	157.77	13397.83

END  
ACCESS  
EARTHWORK

119+00.00

1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			ACCESS ROAD CROSS SECTIONS	SHEET NO. 45
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		

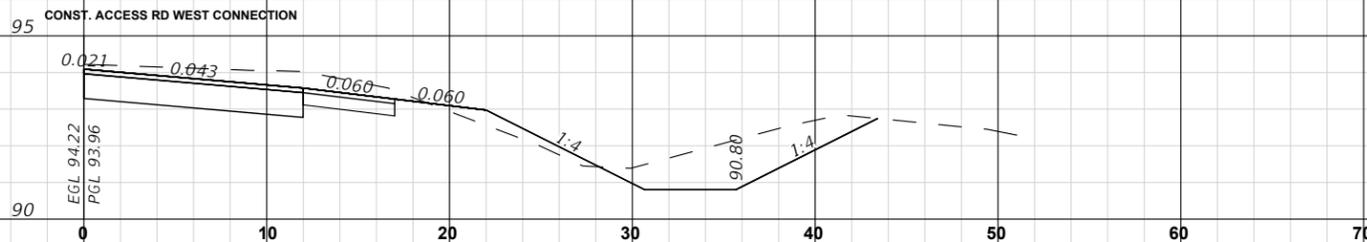
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY RYAN DOUGLAS ASMUS, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Total Volume Table								
Station	Unit Of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
401+52.00	CY	38.37	6.33	53.62	7.24	107.82	31.03	76.79



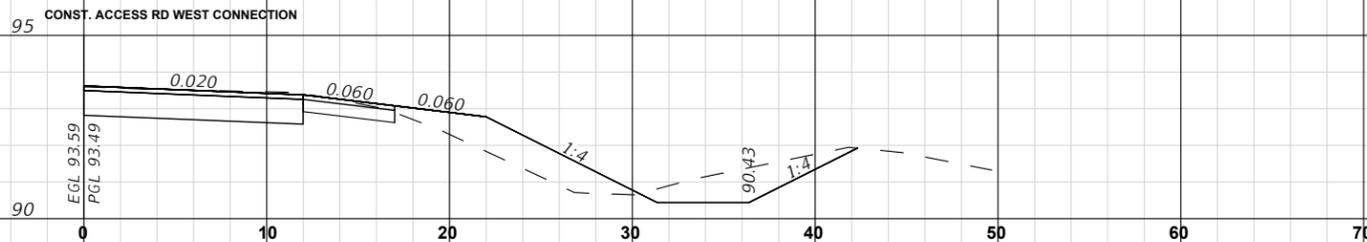
BEGIN FULL SUPER 401+52.00

Total Volume Table								
Station	Unit Of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
401+00.00	CY	24.26	1.95	34.84	10.48	54.20	23.80	30.40



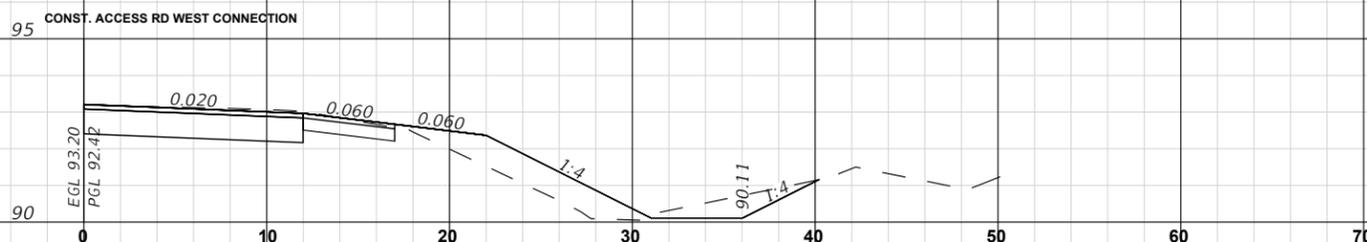
401+00.00

Total Volume Table								
Station	Unit Of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
400+47.00	CY	11.24	8.73	19.36	13.32	19.36	13.32	6.04



END NORMAL CROWN 400+47.00

Total Volume Table								
Station	Unit Of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
400+01.00	CY	11.48	6.90	0.00	0.00	0.00	0.00	0.00



400+01.00

1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RYAN DOUGLAS ASMUS, P.E.  
P.E. LICENSE NUMBER 66626  
NFPS  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056

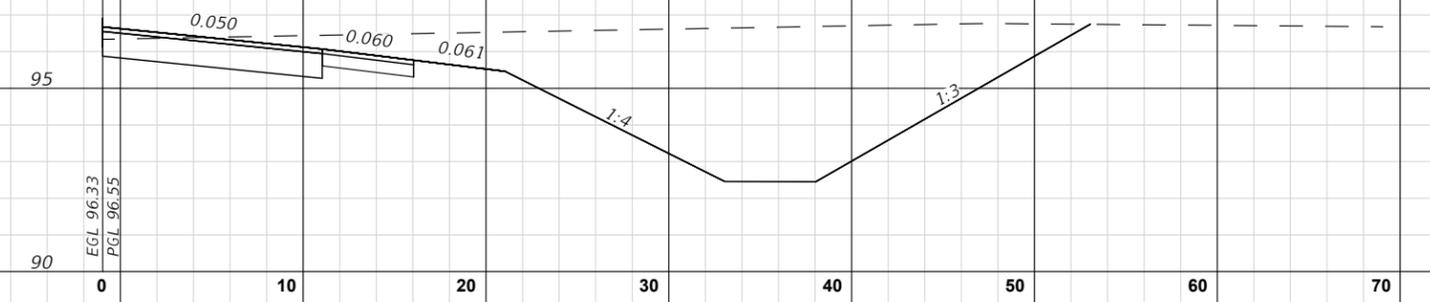
COLUMBIA CO BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

ACCESS ROAD WEST CROSS SECTIONS

SHEET NO.  
46

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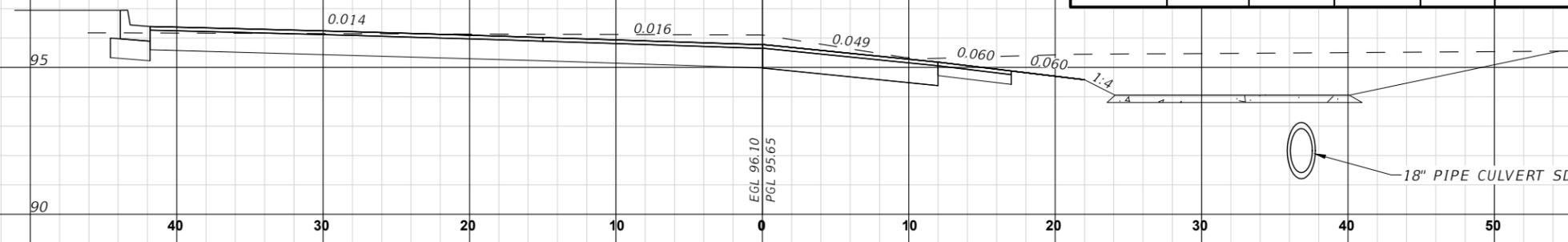
100 CONST. ACCESS RD WEST CONNECTION



Total Volume Table								
Station	Unit Of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
403+00.00	CY	100.07	0.22	186.59	0.20	526.32	66.88	459.44

403+00.00

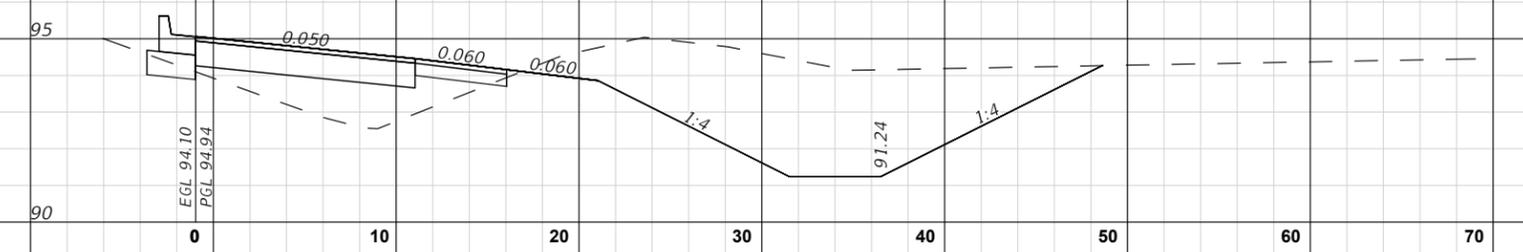
CONST. ACCESS RD WEST CONNECTION



Total Volume Table								
Station	Unit Of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
402+50.00	CY	124.04	0.00	155.25	15.58	339.73	66.68	273.05

402+50.00

CONST. ACCESS RD WEST CONNECTION



Total Volume Table								
Station	Unit Of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
402+00.00	CY	60.57	17.37	76.66	20.07	184.48	51.10	133.38

402+00.00

1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

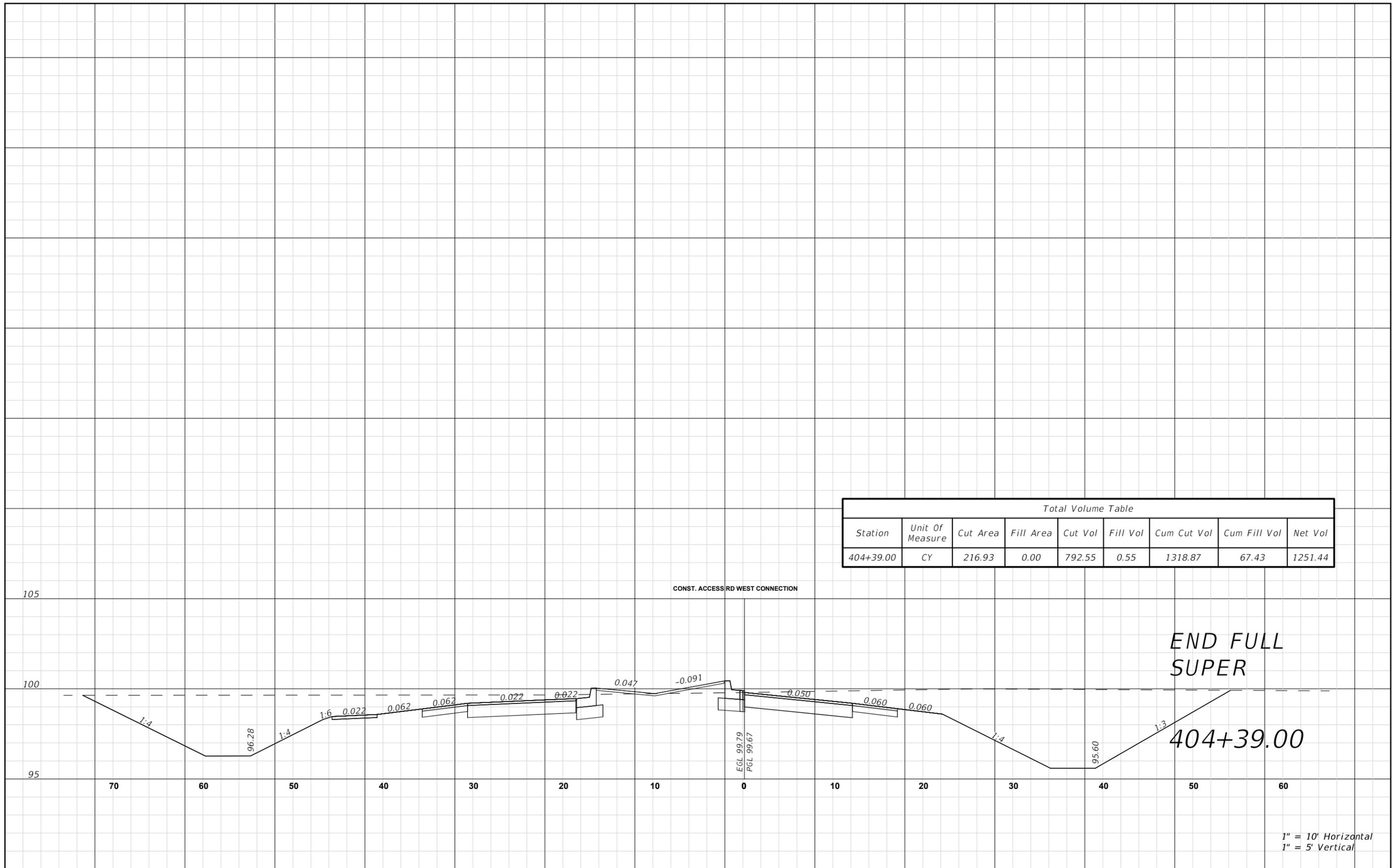
RYAN DOUGLAS ASMUS, P.E.  
P.E. LICENSE NUMBER 66626  
NFPS  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056

COLUMBIA CO BOCC		
ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID

ACCESS ROAD WEST CROSS SECTIONS

SHEET NO.  
47

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Total Volume Table								
Station	Unit Of Measure	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
404+39.00	CY	216.93	0.00	792.55	0.55	1318.87	67.43	1251.44

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RYAN DOUGLAS ASMUS, P.E.  
P.E. LICENSE NUMBER 66626  
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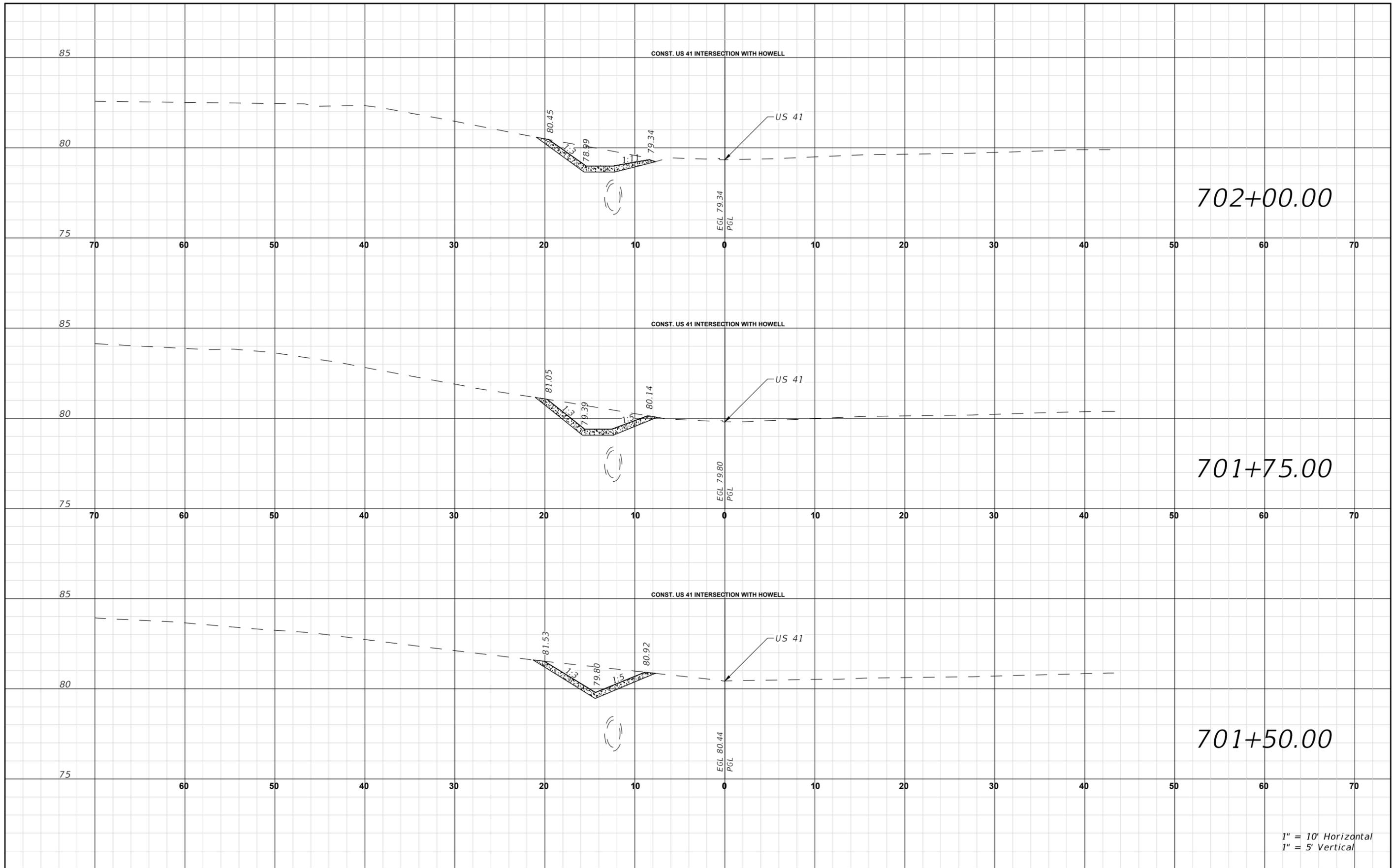
COLUMBIA CO BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

**ACCESS ROAD WEST CROSS SECTION**

SHEET NO.  
48

1" = 10' Horizontal  
1" = 5' Vertical

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702+00.00

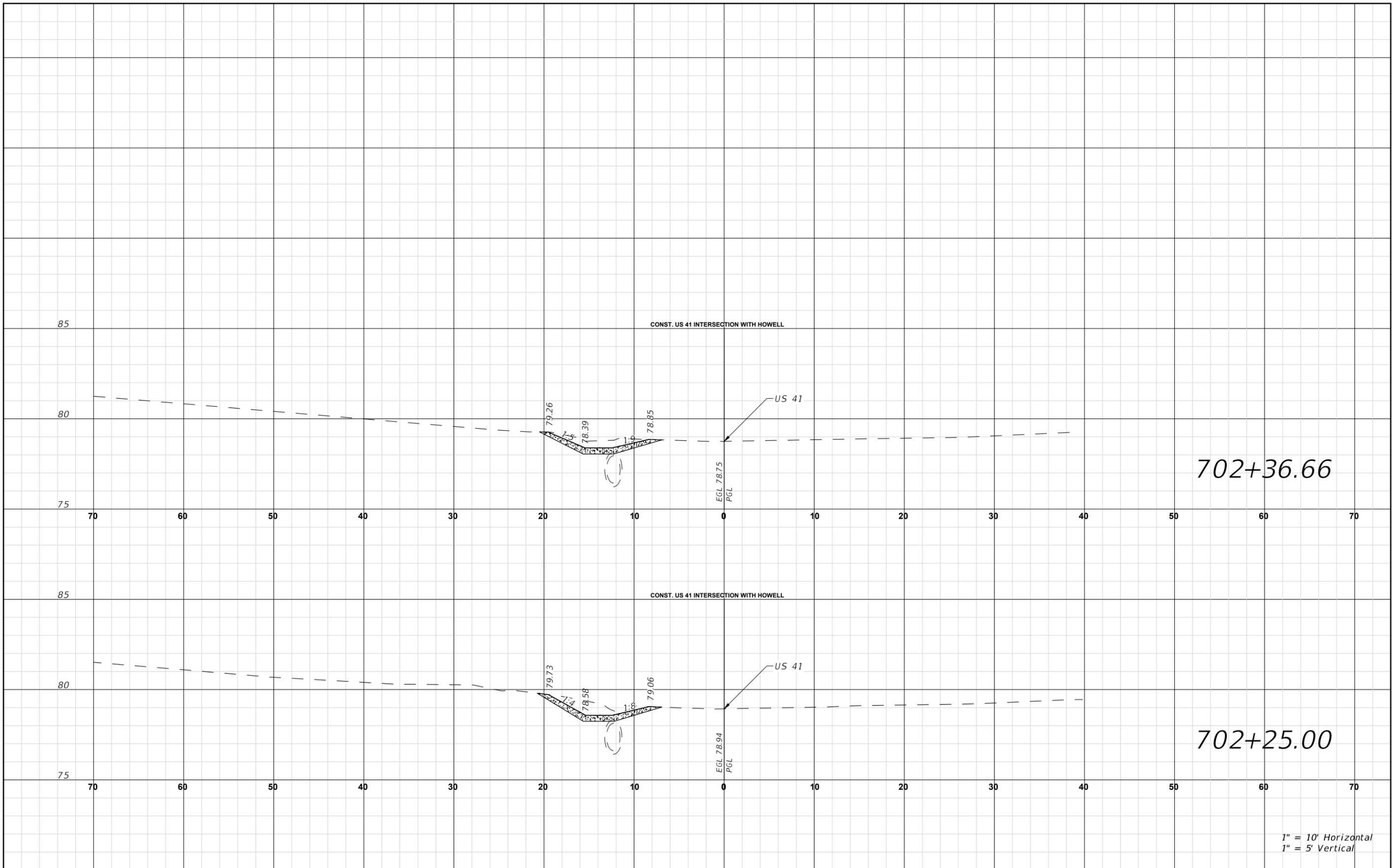
701+75.00

701+50.00

1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			HOWELL NORTH DITCH CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		49

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702+36.66

702+25.00

1" = 10' Horizontal  
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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P.E. LICENSE NUMBER 66626  
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COLUMBIA CO BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

**HOWELL NORTH DITCH CROSS SECTIONS**

SHEET NO.
50

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Structure	Station	Offset	Type	Index	Elevation	FL Left	FL Ahead	FL Right	FL Back	Comments
S-307	301+00.60	-26.23	S/D MES (1:4)	430-022	N/A		90.60 (14x23")			
S-308	302+12.55	-31.53	S/D MES (1:4)	430-022	N/A				88.70 (14"x23")	
S-308B	302+48.33	-22.44	C/D MES (1:4)	430-021	N/A			88.86 (24"x38")		
S-308A	302+48.44	25.71	C/D MES (1:4)	430-021	N/A	88.96 (24"x38")				
S-309	303+59.35	-41.22	S/D MES (1:4)	430-022	N/A		89.76 (18")			
S-310	304+53.49	-43.28	S/D MES (1:4)	430-022	N/A				90.97 (18")	
S-305	305+15.77	-43.43	S/D MES (1:4)	430-022	N/A		91.57 (18")			
S-300	305+21.95	83.03	S/D MES (1:4)	430-022	N/A		91.40 (18")			
S-300A	305+27.94	87.85	DBI Type C	425-052	94.05 GRATE		91.45 (18")		91.45 (18")	
S-306	305+89.09	-43.15	S/D MES (1:4)	430-022	N/A				92.37 (18")	
S-301	306+39.33	43.98	DBI Type C	425-052	95.20 GRATE		91.72 (18")		91.72 (18")	
S-302	307+59.66	51.97	DBI Type C	425-052	94.50 GRATE				91.90 (18")	
S-303	310+60.02	-29.50	CI P-1	425-020	91.90 EOP		87.50 (18")			
S-304	313+05.01	-29.50	CI P-1	425-020	85.87 EOP		80.25 (18")	81.60 (18")	81.66 (18")	ALT. B BOTTOM
S-304A	313+74.00	-14.03	MH P-7	425-001, 425-010	83.35 RIM		80.04 (EXIST. 15")	80.04 (18")	80.04 (18")	(3.5'x3.5'); CONTRACTOR TO CONFIRM EXIST. PIPE SIZE AND INV. ELEV.
S-304B	313+60.00	32.25	CI P-9	425-024	84.59 EOP	80.20 (18")				ALT. B BOTTOM
S-304C	312+88.91	31.01	CI P-5	425-021	87.18 EOP	81.80 (18")				ALT. B BOTTOM
S-100	100+40.91	-194.31	S/D MES (1:4)	430-022	N/A			66.80 (34"x53")		
S-101	100+37.91	-109.01	DBI TYPE D W/ J-BOTTOM (4'X6')	425-052, 425-010	72.85 GRATE	66.90 (34"x53")	66.90 (36")	67.90 (24")		TRAVERSABLE WITHOUT SLOT; ALT. B BOTTOM (4.0'X6.0')
S-102	100+30.83	111.39	DBI TYPE D	425-052	72.40 GRATE	68.35 (24")				W/ TRAVERSABLE SLOT (LT, RT)
S-103	101+26.66	-95.35	MH J-7	425-001, 425-010	74.92 RIM		68.65 (36")		67.10 (36")	ALT. B BOTTOM (4.0'X4.0')
S-104	101+80.00	-51.50	DBI TYPE D	425-052	75.50 GRATE		72.20 (19"x30")	72.20 (24")		W/ TRAVERSABLE SLOT (AH)
S-105	101+80.00	38.50	DBI TYPE D	425-052	75.50 GRATE	72.30 (24")				W/ TRAVERSABLE SLOT (AH)
S-106	103+59.88	-135.30	C/D MES (1:4)	430-021	N/A				72.00 (19"x30")	
CS-1	103+51.94	-161.75	DBI TYPE D (MODIFY)	425-052, 425-070	75.50 GRATE				69.00 (36")	SEE MISCELLANEOUS DETAILS SHEET
S-107	116+37.64	-41.50	DBI TYPE C	425-052	98.85 GRATE			95.80 (18")		W/ TRAVERSABLE SLOT (BK)
S-108	116+36.95	46.60	C/D MES (1:4)	430-021	N/A	95.50 (18")				

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REVISIONS				JAMES C. DONAHUE, P.E. P.E. LICENSE NUMBER 98320 KIMLEY-HORN & ASSOCIATES, INC. 2619 CENTENNIAL BLVD. SUITE 200 TALLAHASSEE, FL 32308	COLUMBIA CO BOCC			DRAINAGE STRUCTURE DETAILS	SHEET NO. 51
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		

THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE FDOT SPECIFICATIONS, THE FDOT STANDARD PLANS, EROSION & SEDIMENT CONTROL MANUAL (E&SC) AND OTHER SHEETS OF THESE CONSTRUCTION PLANS.

THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) INCLUDES SEVERAL ITEMS:

- \* THIS NARRATIVE DESCRIPTION AND DOCUMENTS REFERENCED IN THIS NARRATIVE
  - \* THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN REQUIRED BY FDOT SPECIFICATION SECTION 104
  - \* REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION
  - \* CONTRACTORS AND SUBCONTRACTORS SIGNED CERTIFICATIONS OF SWPPP
- THE SWPPP MUST BE KEPT CURRENT AND UPDATED WITHIN 7 CALENDAR DAYS OF THE EVENT. ALL CHANGES MUST BE SIGNED, DATED KEPT AS ATTACHMENTS TO THE ORIGINAL SWPPP AND POSTED ON THE PROJECT BULLETIN BOARD.

1.0 SITE DESCRIPTION: EXISTING TWO LANE RURAL ROADWAY AND PASTURE LAND.

1.A. DESCRIPTION OF CONSTRUCTION ACTIVITY: TURNLANE IMPROVEMENTS TO SW HOWELL RD AND THE NEW CONSTRUCTION OF AN ACCESS ROAD BETWEEN US-41 AND SW HOWELL RD

1.B. MAJOR SOIL DISTURBING ACTIVITIES IDENTIFY THE "DO NOT DISTURB AREAS" (SENSITIVE/WETLANDS): SEE PLANS AND PERMITS.

1.C. AREA ESTIMATES

TOTAL SITE AREA (ACRES): APPROX. 11 ACRES  
TOTAL AREA TO BE DISTURBED (ACRES): APPROX. 10 ACRES

1.D. RUNOFF DATA

RUNOFF COEFFICIENTS: BEFORE: 54.34  
DURING: 63.05  
AFTER: 63.05

OUTFALLS: THERE ARE 2 OUTFALLS.

RECEIVING WATER NAME: UNNAMED CLOSED BASINS

OUTFALL LOCATIONS (EXISTING):

DESCRIPTION/STATION	LATITUDE	LONGITUDE	DRAINAGE AREA
1. 441 SOUTH	29° 59' 31.5"	82° 35' 51.0"	15.74 AC
2. HOWELL	29° 59' 46.0"	82° 36' 00.7"	1.52 AC

1.E. SITE MAP

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAP. IF AN ADDITIONAL MAP WITH CONTOUR INFORMATION IS REQUIRED, PROVIDE THE APPROPRIATE USGS QUADRANGLE MAP FOR THIS PURPOSE.

FLAG SENSITIVE/WETLAND AREAS NOT TO BE DISTURBED.

1.F. RECEIVING WATERS  
WATER IS PRIMARILY CONVEYED BY:  
ROADSIDE DITCHES TO EXISTING LOW AREAS ADJACENT TO THE ROADWAY.

2.0 CONTROLS

2.A. EROSION AND SEDIMENT CONTROLS

EROSION AND SEDIMENT CONTROL MEASURES, AT A MINIMUM, WILL BE PLACED:

- \* TO PROTECT RECEIVING WATERS
- \* IN LOCATIONS WHERE THERE IS NO DITCH BACK SLOPE
- \* AT ALL INLETS AND PONDS
- \* ALONG THE ROADWAY AT ALL LOCATIONS WHERE THERE IS AN ADJACENT WETLAND

2.A.1. STABILIZATION PRACTICES

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

BACKFILL AND STABILIZE WITH SOD WITHIN 48 HOURS OF COMPLETION OF THE CURING PERIOD FOR BOX CULVERTS / EXTENSIONS AND FOR ALL CROSS DRAINS OR OUTFALL MODIFICATIONS.

MAINTAIN DRAINAGE UNTIL PERMANENTLY STABILIZED

WHEN EMBANKMENT EXCEEDS TEN FEET OR GREATER IN HEIGHT, STABILIZE THE SIDE SLOPES AS THE EMBANKMENT IS PLACED OR IMMEDIATELY AFTER EACH TEN FEET OF EMBANKMENT IS PLACED.

IF DIRT DAMS ARE TO BE USED, THE DAM MUST BE WRAPPED IN FILTER FABRIC OR AN EQUIVALENT MATERIAL TO PREVENT DIRT FROM BEING WASHED DOWNSTREAM DURING STORM EVENTS.

2.A.2. STRUCTURAL PRACTICES

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 WILL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL.

NO MATERIAL WILL BE STOCKPILED IN EROSION PRONE AREAS.

2.B. STORMWATER MANAGEMENT

CONSTRUCT STORMWATER SYSTEMS TO CONVEY RUNOFF IN OPEN ROADSIDE DITCHES AND CONTROLLED WITH APPROVED DEVICES.

2.C. OTHER CONTROLS

2.C.1. OFF-SITE VEHICLE TRACKING AND DUST CONTROL

DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFF-SITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

- \* COVERING LOADED HAUL TRUCKS WITH TARPULINS
- \* REMOVING EXCESS DIRT FROM ROADS DAILY
- \* USE ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES
- \* STABILIZE CONSTRUCTION ENTRANCES
- \* SOIL TRACKING PREVENTION DEVICE

2.C.2. WASTE DISPOSAL

DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE STATES.

2.C.3. FERTILIZERS AND PESTICIDES

DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES IN ACCORDANCE WITH FDOT SPECIFICATION 570.

2.C.4. TOXIC SUBSTANCES

PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE AND DISPOSAL OF THESE SUBSTANCES.

2.C.5. SANITARY WASTE

PROVIDE AND MAINTAIN PORTABLE TOILETS. LOCATIONS APPROVED BY THE ENGINEER.

2.D. WATER QUALITY MONITORING

IF WATER QUALITY MONITORING CONDITION EXISTS IN THE PERMIT, FOLLOW ALL CONDITIONS WITHIN PERMIT. OTHERWISE, CONDUCT WATER QUALITY MONITORING DURING ALL PHASES OF CONSTRUCTION IMPACTING ANY SOURCE OF SURFACE WATER. DESIGNATE MONITORING LOCATIONS, FREQUENCY AND DEPTH; SUBMIT TO ENGINEER FOR APPROVAL. MONITOR DISCHARGING ACTIVITIES FOR VIOLATION OF WATER QUALITY STANDARDS UNTIL TURBIDITY READINGS MEET REQUIREMENTS.

3.0. MAINTENANCE

PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION.

4.0. INSPECTION

PROVIDE THE ENGINEER WITH A MINIMUM OF 24 HOUR NOTICE PRIOR TO THE WEEKLY EROSION CONTROL INSPECTION REQUIRED BY FDOT SPECIFICATION 104-7.1

INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE.

5.0. NON-STORMWATER DISCHARGES

OBTAINING ALL DEWATERING PERMITS. IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES. DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES C. DONAHUE, P.E.  
P.E. LICENSE NUMBER 98320  
KIMLEY-HORN & ASSOCIATES, INC.  
2619 CENTENNIAL BLVD. SUITE 200  
TALLAHASSEE, FL 32308

COLUMBIA CO BOCC

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

STORMWATER POLLUTION PREVENTION PLAN

SHEET NO.

52

**GENERAL NOTES**

1. MAINTAIN EXISTING REGULATORY POSTED SPEEDS DURING ALL TEMPORARY TRAFFIC CONTROL PHASES:  
US 41: 45 MPH
2. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE USED FOR ADVANCED NOTICE OF LANE SHIFTS AND CLOSURES AHEAD DURING ALL TTC PHASES. LOCATIONS AND MESSAGES SHALL BE APPROVED BY THE ENGINEER. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE PLACES 2 WEEKS PRIOR TO MAJOR WORK ACTIVITIES AND PRIOR TO TRAFFIC PATTERN CHANGES WHICH WILL BE DEFINED BY THE ENGINEER.
3. FIFTEEN MINUTES PRIOR TO INITIATING MOT FOR A LANE CLOSURE, CONTACT FDOT DISTRICT TWO RTMC AT (904) 903-2000 TO PROVIDE INFORMATION ON THE ROADWAY, DIRECTION OF TRAVEL, AND WHICH LANE(S) WILL BE CLOSED. ONCE THE WORK IS COMPLETED AND LANES ARE REOPENED, CONTACT THE DISTRICT TWO RTMC WITHIN THIRTY MINUTES TO NOTIFY THEM THAT THE CLOSURES HAVE BEEN REMOVED.
4. COORDINATE ALL CONSTRUCTION ACTIVITIES WITH OTHER CONSTRUCTION PROJECTS IN THE VICINITY.
5. ARROWS DENOTE DIRECTION OF TRAFFIC ONLY AND DO NOT REFLECT PAVEMENT MARKINGS.
6. FOLLOW FDOT STANDARD PLANS INDEX 102-600, 102-603, 102-604, 102-613, AND 102-615 FOR ALL LANE CLOSURES.
7. NO DROP OFFS ARE ALLOWED AT THE END OF THE WORK DAY
8. ALL ITEMS NEEDED TO MAINTAIN TRAFFIC & AS DESCRIBED AND REQUIRED BY STANDARD PLANS IS INCLUDED IN 102-1 LS.

**LANE CLOSURE RESTRICTIONS**

US 41: NO LANE CLOSURES ALLOWED FROM 6:00AM TO 8:00AM AND 4:00PM TO 6:00PM, MONDAY THROUGH SUNDAY.

HOWELL ROAD: NO LANE CLOSURES ALLOWED FROM 6:00AM TO 8:00AM AND 4:00PM TO 6:00PM, MONDAY THROUGH SUNDAY.

**PHASE 1A**

RECONSTRUCTION OF HOWELL RD. FROM STA 303+00 TO 306+40 AS SHOWN ON SHEET 3. USE B-12.5 BASE MATERIAL TO EXPEDITE CONSTRUCTION. TEMPORARY PAVEMENT WILL BE NEEDED AT LOCATIONS TO BE CONSTRUCTED AS MEDIAN ISLANDS/TRAFFIC SEPARATORS.

**PHASE 1B**

CONSTRUCT ACCESS ROAD BETWEEN US 41 AND HOWELL ROAD EXISTING EDGE OF PAVEMENT.  
CONSTRUCT POND #1 AND SWALE #1.  
CONSTRUCT TRAFFIC SIGNAL ON US 41.  
MEDIAN/TRAFFIC SEPARATORS TO BE CONSTRUCTED DURING PHASE 3.  
FOR INLET AND PIPE CONSTRUCTION AT STA. 313+70, FLOWABLE FILL AND STEEL PLATES SHALL BE USED TO MAINTAIN TRAFFIC.

**PHASE 2**

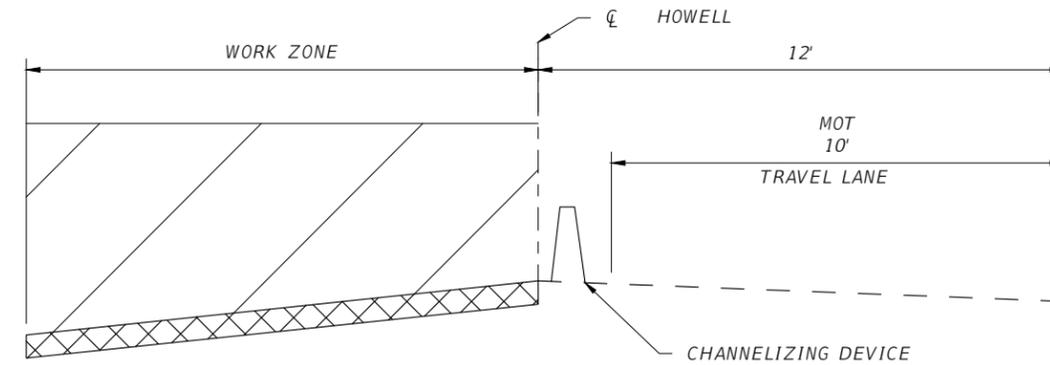
SHIFT HOWELL ROAD TRAFFIC TO ONE-WAY OPERATION.  
CONSTRUCT WIDENING, DRIVEWAYS, AND SIDEWALK ON NORTH SIDE OF HOWELL ROAD.  
CONSTRUCT BULBOUT ON US 41.

**PHASE 3**

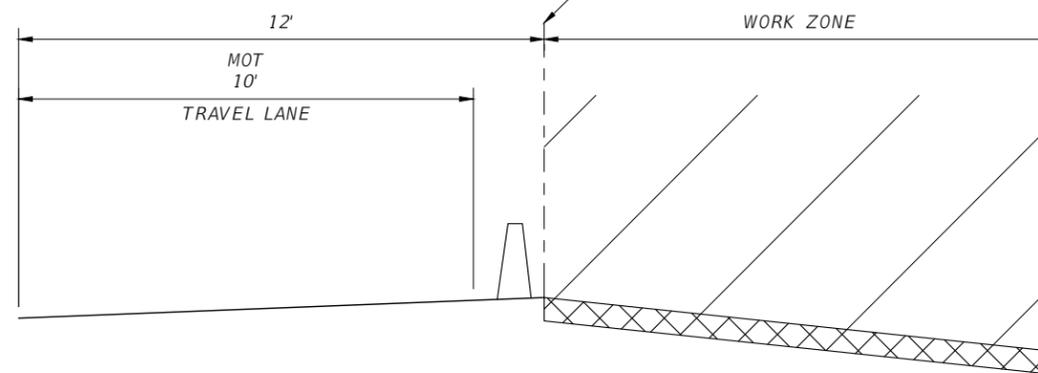
SHIFT ALL TRAFFIC TO FINAL CONFIGURATION.  
CONSTRUCT MEDIAN ISLANDS ON HOWELL ROAD.  
COMPLETE MILLING AND RESURFACING OF HOWELL AND DRIVEWAYS.  
PLACE FINAL PAVEMENT MARKINGS.

PHASE 1A TYPICAL SECTION: STA 303+00 - 306+40

**EAST BOUND:**

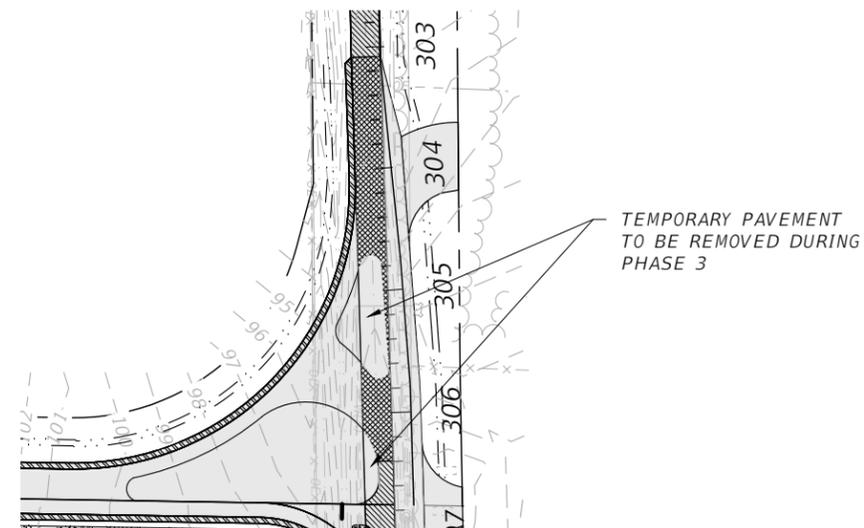


**WEST BOUND:**



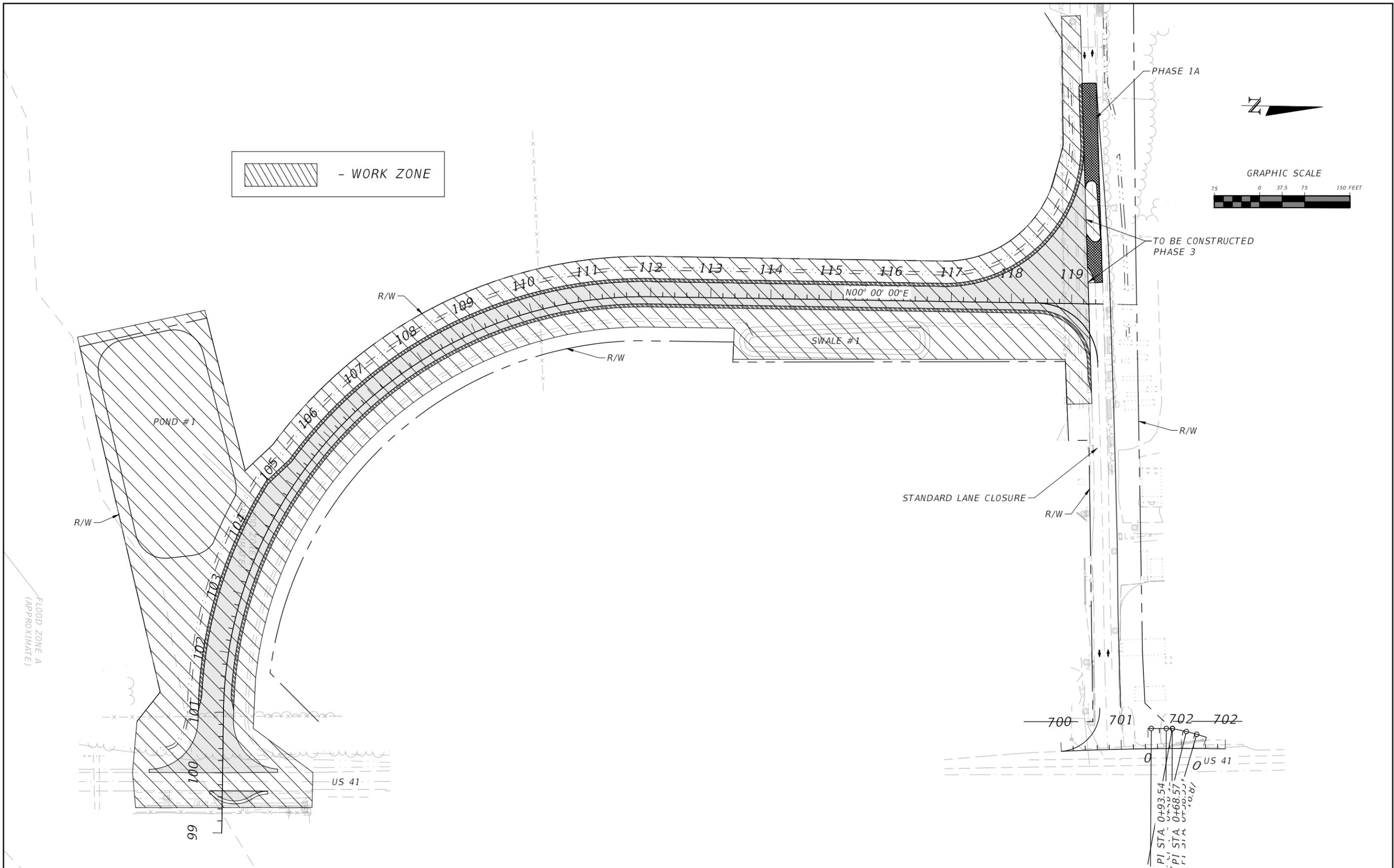
**PHASE 1A NOTES:**

1. TEMPORARY PAVEMENT AT LOCATIONS TO BE CONSTRUCTED AS MEDIAN ISLANDS/TRAFFIC SEPARATORS.
2. NO DROP OFFS ARE PERMITTED AT THE END OF WORK PERIOD.
3. RECONSTRUCT PAVEMENT TO CROSS SLOPE AS SHOWN IN PLAN SHEETS & CROSS SECTION SHEETS
4. FINAL ASPHALT SURFACE TO BE CONSTRUCTED W/ ACCESS RD FINAL SURFACE.



REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			TEMPORARY TRAFFIC CONTROL PLAN NOTES	SHEET NO.  53
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					HOWELL RD	COLUMBIA			

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DATE	DESCRIPTION	DATE	DESCRIPTION

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 P.E. LICENSE NUMBER 66626  
 NFPS  
 P.O. BOX 3823  
 LAKE CITY, FLORIDA 32056

COLUMBIA CO BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

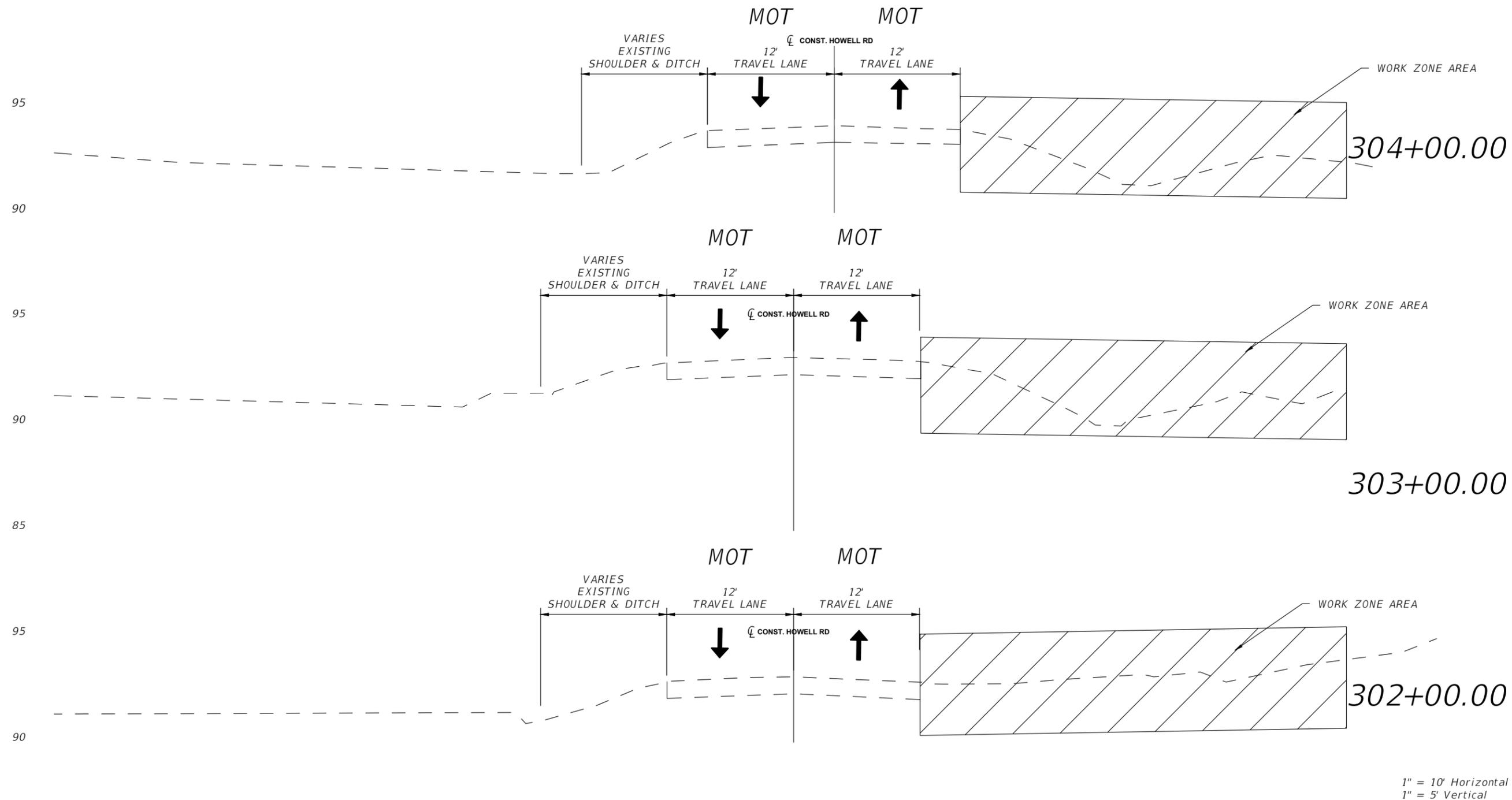
**TEMPORARY TRAFFIC CONTROL  
 PLAN PHASE 1B**

SHEET NO.
54

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PHASE 1 DETAILS:

STA 302+00 - 308+40

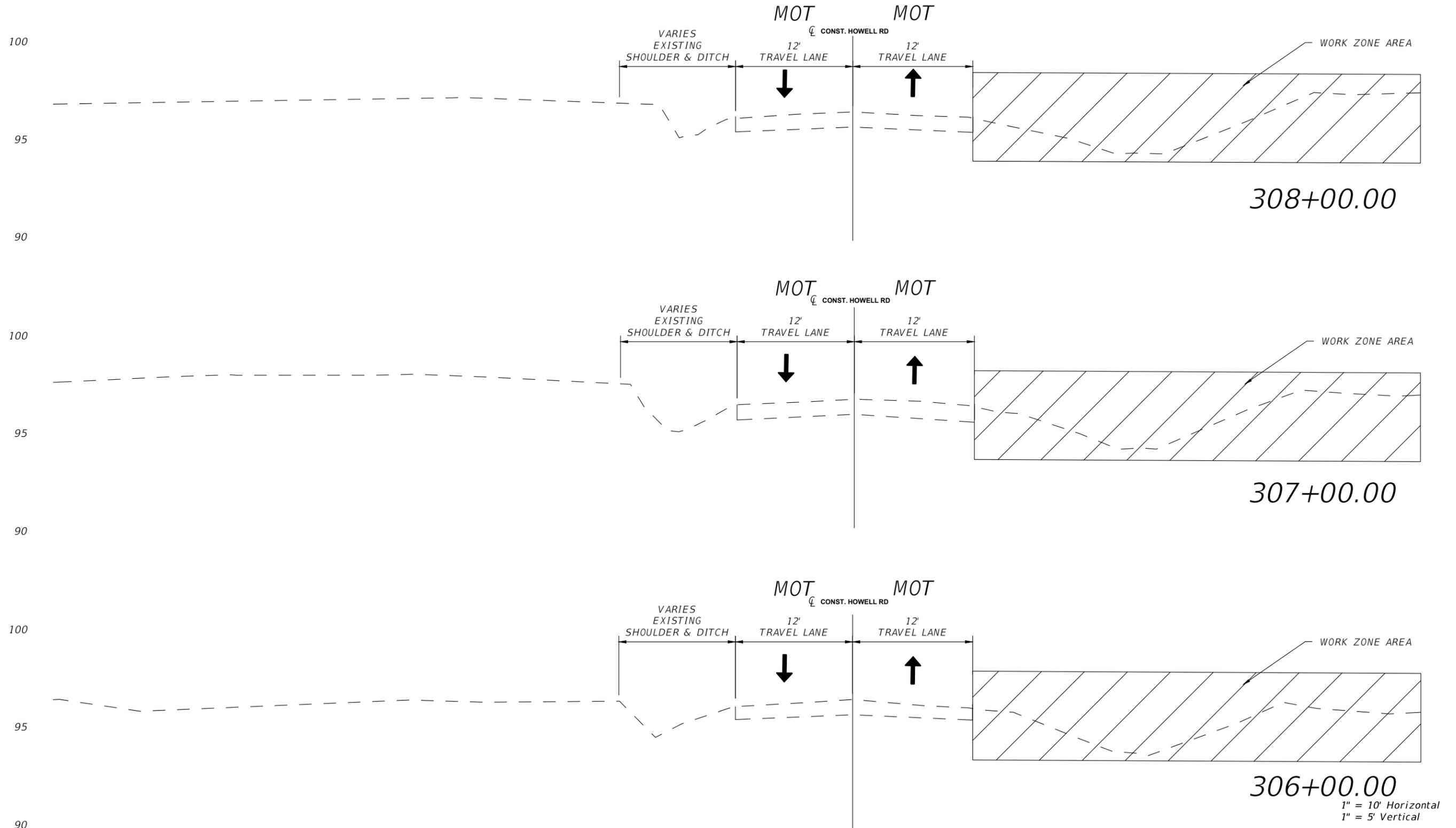


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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		55
					HOWELL RD	COLUMBIA			

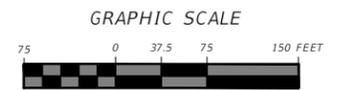
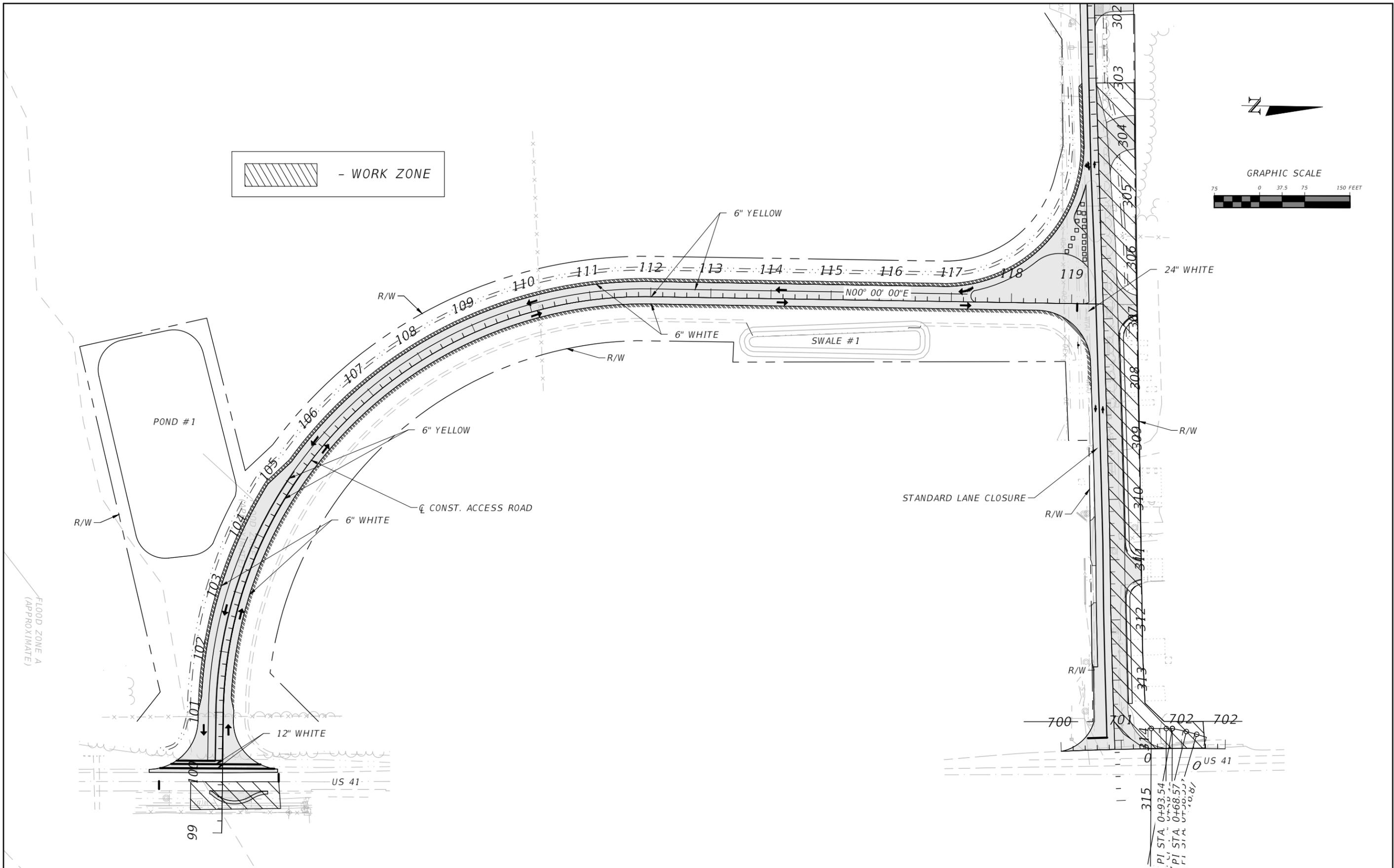
PHASE 1 DETAILS:

STA 302+00 - 308+40



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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		56

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- WORK ZONE

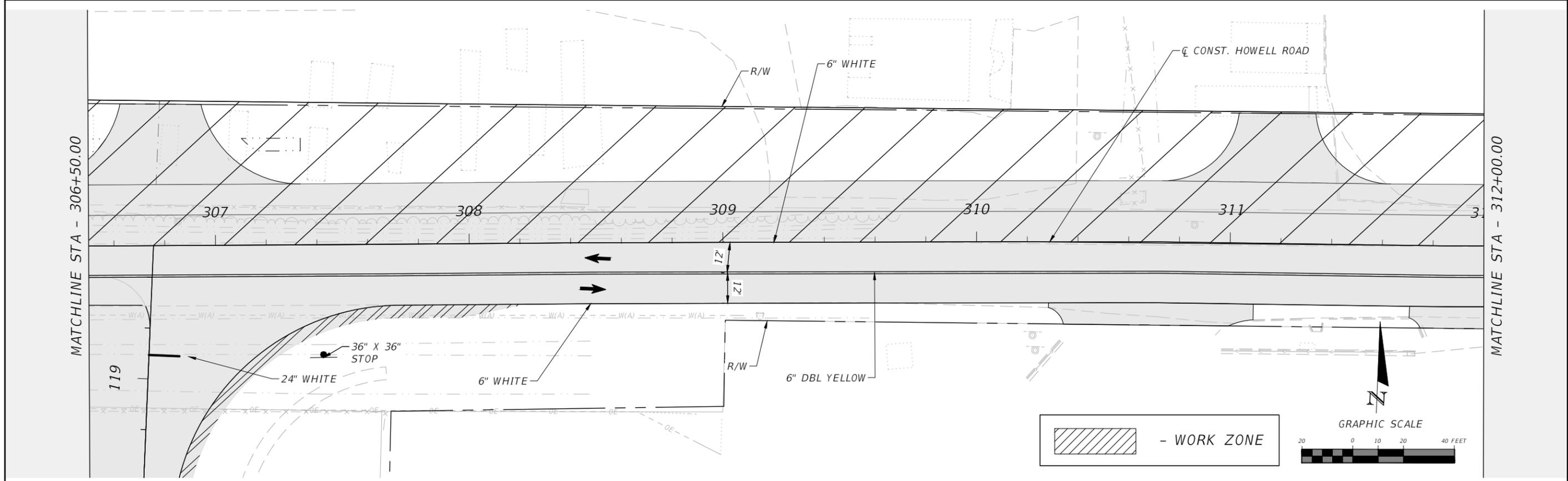
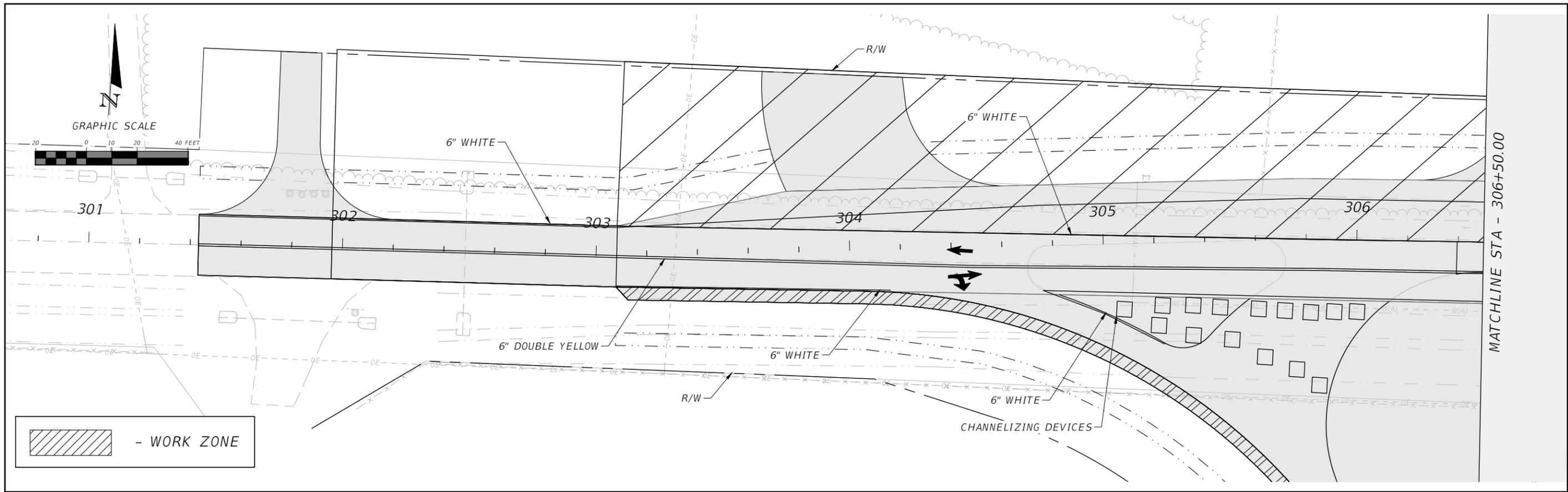
REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			TEMPORARY TRAFFIC CONTROL PLAN PHASE 2	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		57
					HOWELL RD	COLUMBIA			

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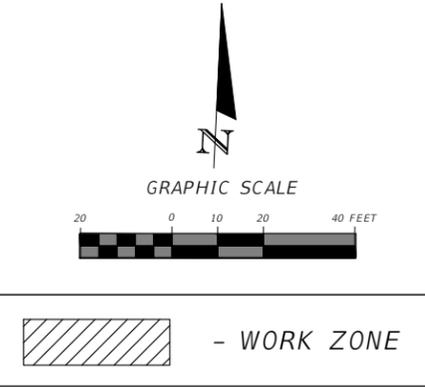
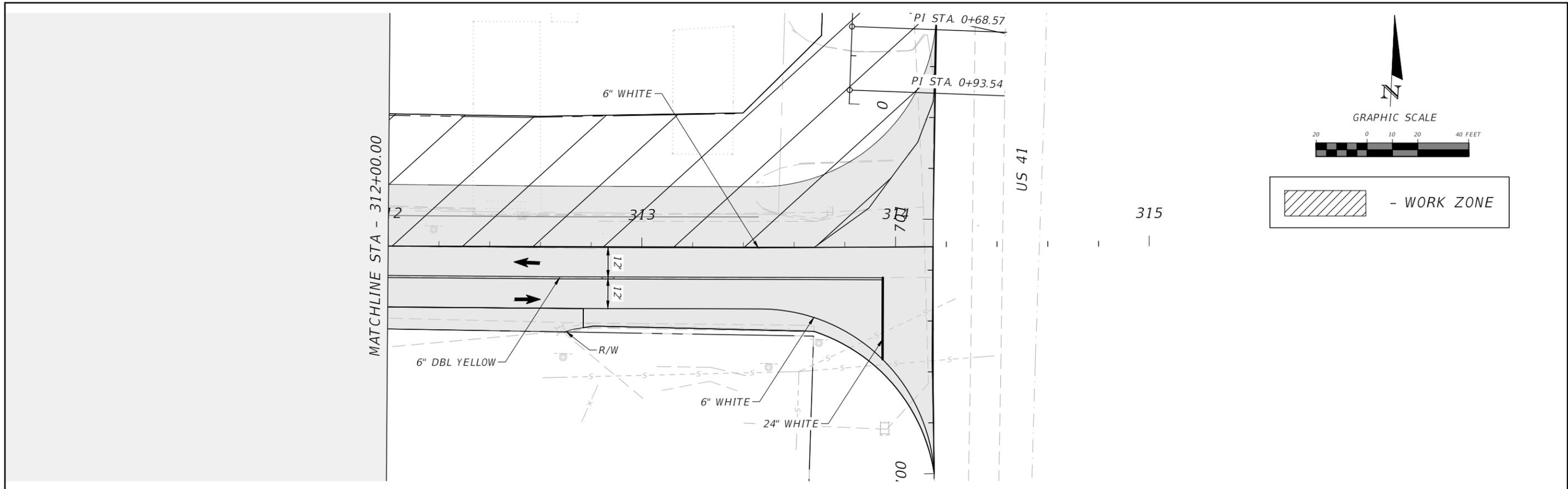
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		

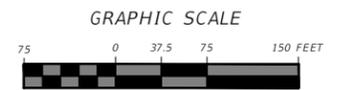
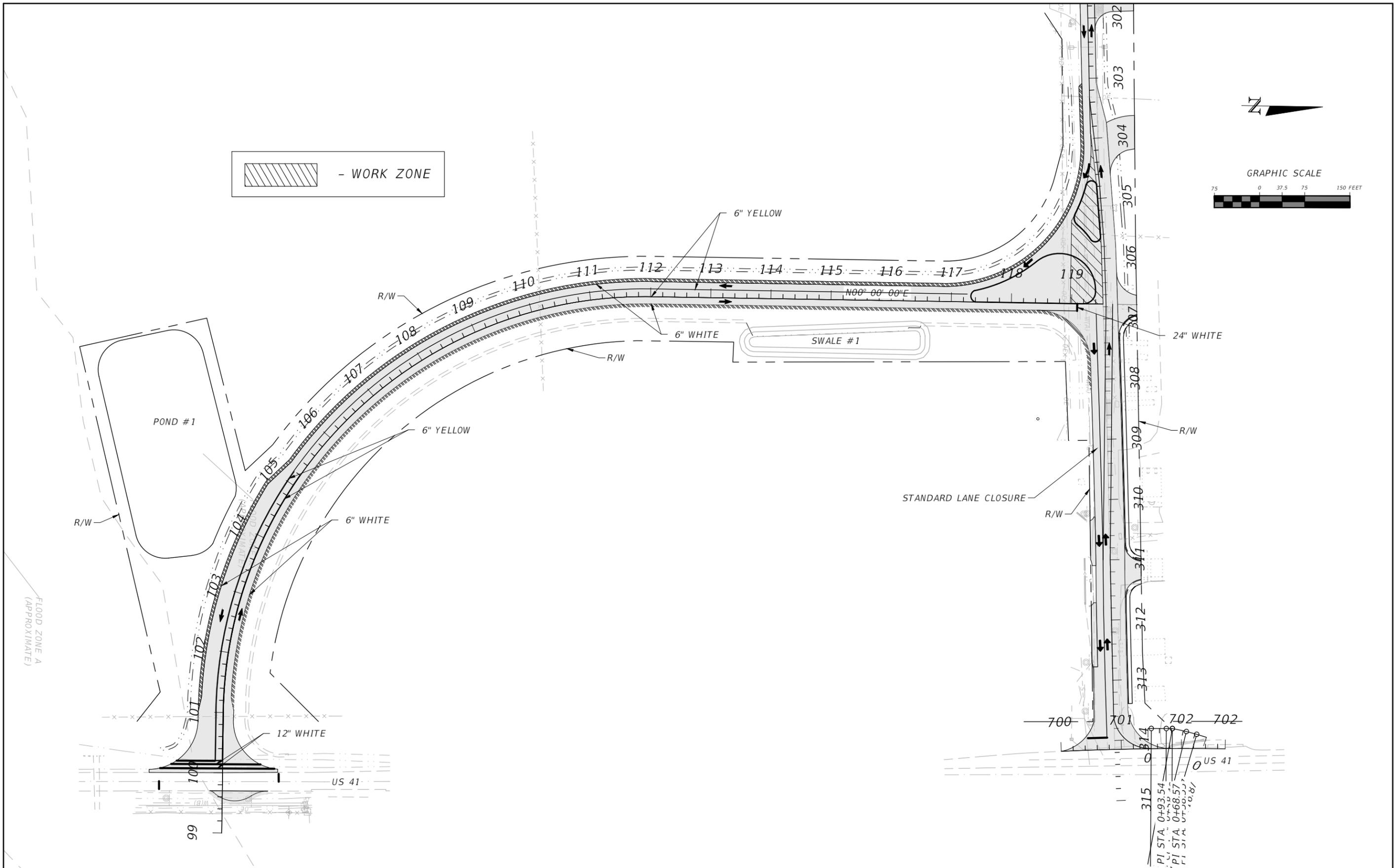
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID	

**TEMPORARY TRAFFIC CONTROL  
PLAN PHASE 2**



- WORK ZONE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

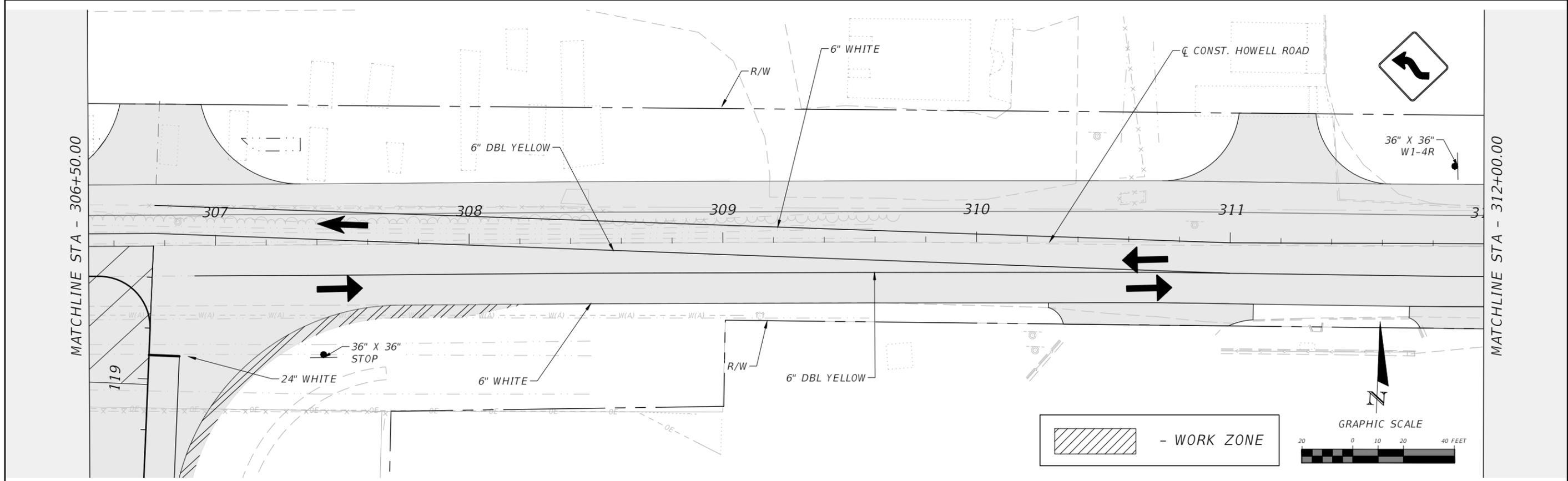
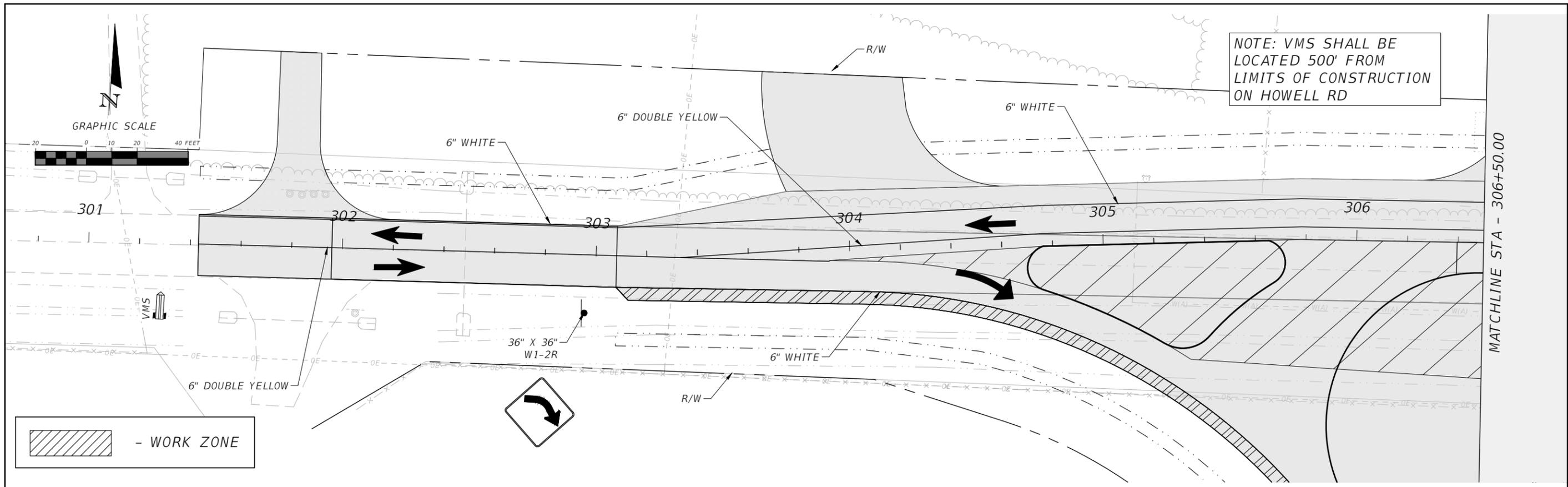
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 P.E. LICENSE NUMBER 66626  
 NFPS  
 P.O. BOX 3823  
 LAKE CITY, FLORIDA 32056

COLUMBIA CO BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

**TEMPORARY TRAFFIC CONTROL  
 PLAN PHASE 3**

SHEET NO.  
 60

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REVISIONS			
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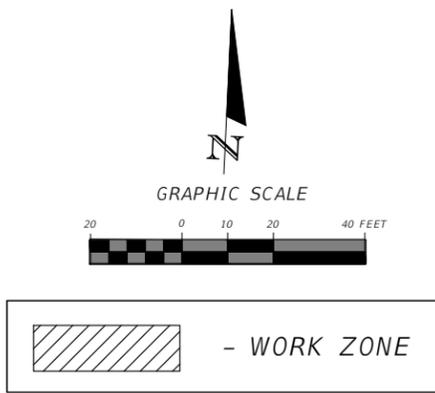
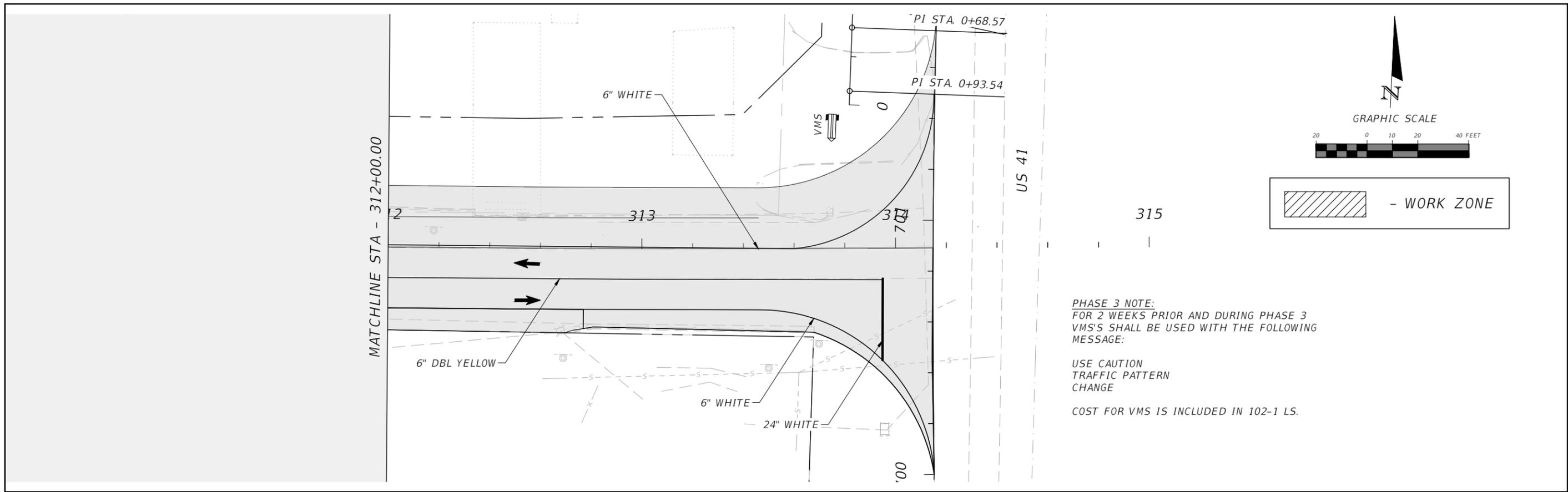
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 P.E. LICENSE NUMBER 66626  
 NFPS  
 P.O. BOX 3823  
 LAKE CITY, FLORIDA 32056

COLUMBIA CO BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

**TEMPORARY TRAFFIC CONTROL  
 PLAN PHASE 3**

SHEET NO.
61

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PHASE 3 NOTE:  
 FOR 2 WEEKS PRIOR AND DURING PHASE 3  
 VMS'S SHALL BE USED WITH THE FOLLOWING  
 MESSAGE:  
  
 USE CAUTION  
 TRAFFIC PATTERN  
 CHANGE  
  
 COST FOR VMS IS INCLUDED IN 102-1 LS.

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REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			TEMPORARY TRAFFIC CONTROL PLAN PHASE 3	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		62
					HOWELL RD	COLUMBIA			

SUMMARY OF LUMP SUM ITEMS						
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
			P	F		
101 1	MOBILIZATION	LS	1			
102 1	MAINTENANCE OF TRAFFIC	LS	1			

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES												
PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		TOTAL		LOCATION				DESIGN NOTES	CONSTRUCTION REMARKS
			P	F	P	F	ALIGNMENT	BEGIN STATION	END STATION	SIDE		
104 10 1	BALED HAY	EA	31		31							
104 10 3	SEDIMENT BARRIER	LF	1,305		10,218		HOWELL ROAD	301+46.92	314+13.03	LT		
			232				HOWELL ROAD	304+70.98	305+70.58	RT		
			105				ACCESS RD	99+50.00	99+68.00	LT/RT		
			2,387				ACCESS ROAD	100+83.00	118+74.24	LT		
			2,648				ACCESS ROAD	100+02.14	119+46.76	RT		
			492				ACCESS ROAD	117+32.12	119+38.54	LT		
			3,049				POND/SWALE					
104 15	SOIL TRACKING PREVENTION DEVICE	EA	2		2							
104 18	INLET PROTECTION SYSTEM	EA	14		14							

SUMMARY OF CLEARING AND GRUBBING												
PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		TOTAL		LOCATION				DESIGN NOTES	CONSTRUCTION REMARKS
			P	F	P	F	ALIGNMENT	BEGIN STATION	END STATION	SIDE		
110 1 1	CLEARING AND GRUBBING	AC	1.88		11.61		HOWELL ROAD	301+43.24	314+14.77	LT		
			0.31				HOWELL ROAD	301+43.24	304+82.08	RT		
			0.96				HOWELL ROAD	304+07.22	307+68.93	LT/RT	HOWELL/ACCESS INTERSECTION	
			5.28				ACCESS ROAD	100+00.00	117+00.00	LT		
			3.18				ACCESS ROAD	100+00.00	117+00.00	RT		
110 4	REMOVAL OF EXISTING CONCRETE PAVEMENT	SY	88		107.83		HOWELL ROAD	301+43.24	314+14.77	LT/RT	CONC. SLAB/PADS	
			19.83				HOWELL ROAD/US441	701+78.41	702+36.10	LT	EXIST. FLUME	

SUMMARY OF EARTHWORK												
PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		TOTAL		LOCATION				DESIGN NOTES	CONSTRUCTION REMARKS
			P	F	P	F	ALIGNMENT	BEGIN STATION	END STATION	SIDE		
120 1	REGULAR EXCAVATION	CY	2904.2		46353		HOWELL RD	301+43.24	314+14.77	LT/RT		
			13556				ACCESS RD	100+00.00	119+00.00	LT/RT		
			1318.9				ACCESS RD WEST	400+00.00	405+96.74	LT/RT		
			30.67				HOWELL RD WEST	500+00.00	501+07.98	LT/RT		
			185.21				HOWELL RD EAST	600+38.78	601+66.32	LT/RT		
			24658				POND #1			LT		
			3700.7				SWALE #1			RT		
120 4	SUBSOIL EXCAVATION	CY	12705				ENTIRE PROJECT			LT/RT	COVERS THE ENTIRE PROJECT	
120 6	EMBANKMENT	CY	475.26		1002		HOWELL RD	301+43.24	314+14.77	LT/RT		
			157.77				ACCESS RD	100+00.00	118+43.18	LT/RT		
			67.43				ACCESS RD WEST	400+00.00	405+96.74	LT/RT		
			30.67				HOWELL RD WEST	500+00.00	501+07.98	LT/RT		
			35.53				HOWELL RD EAST	600+38.78	601+66.32	LT/RT		
			0.12				POND #1			LT		
			235.47				DITCH BLOCKS			LT/RT		
120 6 107	EMBANKMENT, SPECIFIED A-3 SOIL	CY	1076		1076		ENTIRE PROJECT			LT/RT		

REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					HOWELL RD	COLUMBIA			

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SUMMARY OF PAVEMENT														
PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		TOTAL		LOCATION					DESIGN NOTES	CONSTRUCTION REMARKS	
			P	F	P	F	ALIGNMENT	BEGIN STATION	END STATION	CENTER STATION	SIDE			
160 4	TYPE B STABILIZATION	SY	14,893				ACCESS ROAD	99+00.00	119+25.00			LT/RT	MAINLINE	
285 710	OPTIONAL BASE, GROUP 10	SY	3,029		13,220		HOWELL ROAD	301+43.24	314+14.77			LT	MAINLINE	B-12.5 REQUIRED
			1,766				HOWELL ROAD	304+07.23	307+71.78			RT	HOWELL/ACCESS INTERSECTION	B-12.5 REQUIRED
			8,267				ACCESS ROAD	100+00.00	117+00.00			LT/RT	MAINLINE	
			158				ACCESS ROAD	99+70.00	99+48.48				BULB OUT	
285 701	OPTIONAL BASE, GROUP 01	SY	2,351		2,351		ACCESS ROAD	100+00.00	117+00.00			LT/RT	SHOULDERS	
327 70 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	SY	2,684		2,738		HOWELL ROAD	301+43.24	314+14.77			LT/RT	MAINLINE 1.5"	
			54				HOWELL ROAD	300+93.43	301+41.95			LT	DRIVEWAY	
334 1 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	222		3,023		HOWELL ROAD	301+43.24	314+14.77			LT/RT	HOWELL RESURFACING 1.5"	
			546				HOWELL ROAD	303+08.59	314+14.77			LT	HOWELL WIDENING 3.5"	
			122				HOWELL ROAD	303+08.59	306+39.54			LT/RT	HOWELL ROAD RECONST. 3.5"	
			55				HOWELL ROAD WEST	305+23.53	305+98.83			RT	HOWELL ROAD WEST 3.5"	
			55				HOWELL ROAD EAST	600+00.00	601+66.32			RT/LT	HOWELL ROAD EAST 3.5"	
			73				ACCESS ROAD WEST	401+75.92	404+46.35			RT	ACCESS ROAD WEST 3.5"	
			5				HOWELL ROAD	300+93.43	301+41.95			LT	DRIVEWAY	
			18				HOWELL ROAD			301+81.81		LT	TURNOUT 2.5"	
			34				HOWELL ROAD			303+94.90		LT	TURNOUT 2.5"	
			20				HOWELL ROAD			306+78.61		LT	TURNOUT 2.5"	
			8				HOWELL ROAD			310+66.63		RT	TURNOUT 2.5"	
			15				HOWELL ROAD			311+17.98		LT	TURNOUT 2.5"	
			11.2				HOWELL ROAD			312+21.94		RT	TURNOUT 2.5"	
			1,646				ACCESS ROAD	100+00.00	118+43.18			LT/RT	MAINLINE 3.5"	
			182				ACCESS ROAD	100+00.00	119+10.64			LT/RT	SHOULDER 1.5"	
			11.00				ACCESS ROAD	99+70.00	99+48.48				BULB OUT	
337 7 83	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5	TN	11.00		11		ACCESS ROAD	99+70.00	99+48.48				BULB OUT	

SUMMARY OF TURNOUT CONSTRUCTION											
PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		TOTAL		LOCATION			DESIGN NOTES	CONSTRUCTION REMARKS
			P	F	P	F	ALIGNMENT	CENTER STATION	SIDE		
286 1	TURNOUT CONSTRUCTION	SY	170		999		HOWELL ROAD	301+81.81	LT		
			316				HOWELL ROAD	303+94.90	LT		
			193				HOWELL ROAD	306+78.61	LT		
			73				HOWELL ROAD	310+66.63	RT		
			146				HOWELL ROAD	311+17.98	LT		
			101				HOWELL ROAD	312+21.94	RT		

SUMMARY OF CURB AND GUTTER												
PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		TOTAL		LOCATION				DESIGN NOTES	CONSTRUCTION REMARKS
			P	F	P	F	ALIGNMENT	BEGIN STATION	END STATION	SIDE		
520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	232		1473		HOWELL ROAD	304+70.98	305+70.58	RT		
			439				HOWELL ROAD	307+10.98	311+02.92	LT		
			312				HOWELL ROAD	311+33.05	313+39.65	LT		
			490				ACCESS ROAD	117+32.12	119+38.54	LT		
520 70	CONCRETE TRAFFIC SEPARATOR, SPECIAL-VARIABLE WIDTH	SY	34.1		34.1		HOWELL ROAD	306+91.11	307+13.37	RT		

REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					HOWELL RD	COLUMBIA			

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**SUMMARY OF SIDEWALK AND DETECTABLE WARNINGS**

PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		TOTAL		LOCATION				DESIGN NOTES	CONSTRUCTION REMARKS
			P	F	P	F	ALIGNMENT	BEGIN STATION	END STATION	SIDE		
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	259		1450		HOWELL ROAD	306+96.54	311+00.91	LT		
			165				HOWELL ROAD	311+35.05	313+39.65	LT		
			4				ACCESS ROAD	100+46.04	100+51.06	LT		
			1,023				ACCESS ROAD	100+46.77	119+24.32	RT		
522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	63		63		HOWELL ROAD	307+10.02	313+88.48	LT/RT	CR-C CURB RAMP	
527 2	DETECTABLE WARNINGS	SF	10		102		HOWELL ROAD	307+02.39	307+08.50	RT		
			10				HOWELL ROAD	307+02.39	307+08.50	RT		
			12				HOWELL ROAD	307+16.02	307+23.22	LT		
			10				HOWELL ROAD	307+18.50	307+23.84	RT		
			12				HOWELL ROAD	310+85.66	310+93.97	LT		
			12				HOWELL ROAD	311+41.91	311+50.22	LT		
			12				HOWELL ROAD	313+39.65	313+41.65	LT		
			12				ACCESS ROAD	100+46.04	100+51.04	LT		
			12				ACCESS ROAD	100+46.68	100+51.67	RT		

*REVISIONS*

DATE	DESCRIPTION	DATE	DESCRIPTION

RYAN DOUGLAS ASMUS, P.E.  
P.E. LICENSE NUMBER 66626  
NFPS  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056

<i>COLUMBIA CO BOCC</i>		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

**SUMMARY OF QUANTITIES**

SHEET NO.  
SQ-3

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SUMMARY OF DITCH BLOCKS											
PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		TOTAL		LOCATION			DESIGN NOTES	CONSTRUCTION REMARKS
			P	F	P	F	ALIGNMENT	CENTER STATION	SIDE		
160 4	TYPE B STABILIZATION	SY	20.39		76.28		ACCESS ROAD	101+50.00	RT	TYPE B	
			41.54				ACCESS ROAD	101+50.00	LT	TYPE B	
			14.35				ACCESS ROAD	116+57.64	LT	TYPE B	
524 1 19	CONCRETE DITCH PAVT, 3", REINFORCED	SY	30		113		ACCESS ROAD	117+57.61	LT	TYPE A	
			30				ACCESS ROAD	118+12.94	LT	TYPE A	
			53				ACCESS ROAD	118+57.72	LT	TYPE A	

SUMMARY OF DITCH PAVEMENT												
PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		TOTAL		LOCATION				DESIGN NOTES	CONSTRUCTION REMARKS
			P	F	P	F	ALIGNMENT	BEGIN STATION	END STATION	SIDE		
524 1 2	CONCRETE DITCH PAVT, NON REINFORCED, 4"	SY	6		148		HOWELL ROAD	306+02.40	306+37.93	RT	CONCRETE FLUME	
			50				HOWELL ROAD	313+74.75	314+14.34	LT	CONCRETE FLUME	
			92				HOWELL ROAD/US441	701+44.36	702+43.17	LT	DITCH	

SUMMARY OF PERFORMANCE TURF												
PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		TOTAL		LOCATION				DESIGN NOTES	CONSTRUCTION REMARKS
			P	F	P	F	ALIGNMENT	BEGIN STATION	END STATION	SIDE		
570 1 1	PERFORMANCE TURF	SY	120		9,229		HOWELL ROAD	301+43.24	307+72.00	LT		
			817				HOWELL ROAD	307+69.69	314+14.92	RT		
			2,662				POND #1					
			630.00				SWALE #1					
			5,000				ACCESS ROAD	100+00.00	117+00.00	LT/RT		
570 1 2	PERFORMANCE TURF, SOD	SY	4,085		36,232		HOWELL ROAD	301+43.24	314+16.47	LT		
			3,409				HOWELL/ACCESS INTERSECTION	301+43.24	307+69.69	RT		
			9,143				ACCESS ROAD	100+00.00	117+00.00	LT		
			11,402				ACCESS ROAD	100+00.00	117+00.00	RT		
			243				BULBOUT					
			6,250				POND #1					
570 1 3	PERFORMANCE TURF, SOD SHOULDER TREATMENT	SY	50		50		HOWELL ROAD	313+67.68	314+14.93	RT		

REVISIONS				JAMES C. DONAHUE, P.E. P.E. LICENSE NUMBER 98320 KIMLEY-HORN & ASSOCIATES, INC. 2619 CENTENNIAL BLVD. SUITE 200 TALLAHASSEE, FL 32308	COLUMBIA CO BOCC			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					HOWELL RD	COLUMBIA			

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QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	SIDE DRAIN MITERED END SECTION			SODDING	CONCRETE CURB, TYPE D	4" CONCRETE DITCH PAVEMENT	CONCRETE - MISC.	BEDDING STONE	RIPRAP RUBBLE DITCH LINING	REMARKS
						18"	14"x23"	34"x53"							
P	S-307	301+00.60	LT.	MES, Pipe	1		1		9						
F															
P	S-308	302+12.55	LT.	MES	1		1		9						
F															
P	S-308B	302+48.33	LT.	MES	1				30				3.3	4.6	
F															
P	S-308A	302+48.44	RT.	MES, Pipe	1				30						
F															
P	S-309	303+59.35	LT.	MES	1	1			9						
F															
P	S-310	304+53.49	LT.	MES, Pipe	1	1			9						
F															
P	S-300	305+21.95	RT.	MES	1	1			9				3.9	5.4	
F															
P	S-300A	305+27.94	RT.	Inlet, Pipe	1				6						
F															
P	S-301	306+39.33	RT.	Inlet, Pipe	1				6						
F															
P	S-302	307+59.66	RT.	Inlet, Pipe	1				6						
F															
P	S-303	310+60.02	LT.	Inlet, Pipe	1										
F															
P	S-304	313+05.01	LT.	Inlet, Pipe	1										Alt. B bottom
F															
P	S-304A	313+74.00	LT.	Manhole	1										
F															
P	S-304B	313+60.00	RT.	Inlet, Pipe	1										Alt. B bottom
F															
P	S-304C	312+88.91	RT.	Inlet, Pipe	1										Alt. B bottom
F															
Sheet Summary:						3	2	0	123	0	0	0	7.2	10.0	

<p style="text-align: center;">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					<p>JAMES C. DONAHUE, P.E.  P.E. LICENSE NUMBER 98320  KIMLEY-HORN &amp; ASSOCIATES, INC.  2619 CENTENNIAL BLVD. SUITE 200  TALLAHASSEE, FL 32308</p>			<p style="text-align: center;">COLUMBIA CO BOCC</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>HOWELL RD</td> <td>COLUMBIA</td> <td> </td> </tr> </tbody> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	HOWELL RD	COLUMBIA		<p><b>SUMMARY OF QUANTITIES</b></p>		<p>SHEET NO.</p> <p style="text-align: center;">SQ-6</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																							
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																								
HOWELL RD	COLUMBIA																									

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QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	SIDE DRAIN MITERED END SECTION			SODDING SY	CONCRETE CURB, TYPE D LF	4" CONCRETE DITCH PAVEMENT SY	CONCRETE - MISC. CY	BEDDING STONE TN	RIPRAP RUBBLE DITCH LINING TN	REMARKS
						18"	14"x23"	34"x53"							
P	S-102	100+30.83	RT.	Inlet, Pipe	1				19			1.1			w/ traversable slot LT & RT
F															
P	S-101	100+37.91	LT.	Inlet, Pipe	1				9			0.4			traversable without slot; Alt. B bottom (4.0'x6.0')
F															
P	S-100	100+40.91	LT.	MES	1			1	13				60.1	83.7	
F															
P	S-103	101+26.66	LT.	Manhole, Pipe	1										Alt. B bottom (4.0'x4.0')
F															
P	S-104	101+80.00	LT.	Inlet, Pipe	1				14			0.9			w/ traversable slot AH
F															
P	S-105	101+80.00	RT.	Inlet, Pipe	1				14			0.9			w/ traversable slot AH
F															
P	CS-1	103+51.94	LT.	Inlet, Pipe	1										w/ skimmer and 4' wide slot
F															
P	S-106	103+59.88	LT.	MES	1								6.9	9.6	
F															
P	S-108	116+36.95	RT.	MES	1								3.9	5.4	
F															
P	S-107	116+37.64	LT.	Inlet, Pipe	1				12			0.8			w/ traversable slot BK
F															
P	CS-2	116+62.35	RT.	Spillway						62	17.0		2.0	1.4	
F															
Sheet Summary						0	0	1	81	62	17.0	4.0	72.9	100.1	
Project Summary						5	2	1	222	62	17.0	4.0	80.1	110.1	

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REVISIONS				JAMES C. DONAHUE, P.E. P.E. LICENSE NUMBER 98320 KIMLEY-HORN & ASSOCIATES, INC. 2619 CENTENNIAL BLVD. SUITE 200 TALLAHASSEE, FL 32308	COLUMBIA CO BOCC			<b>SUMMARY OF QUANTITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ-8
					HOWELL RD	COLUMBIA			

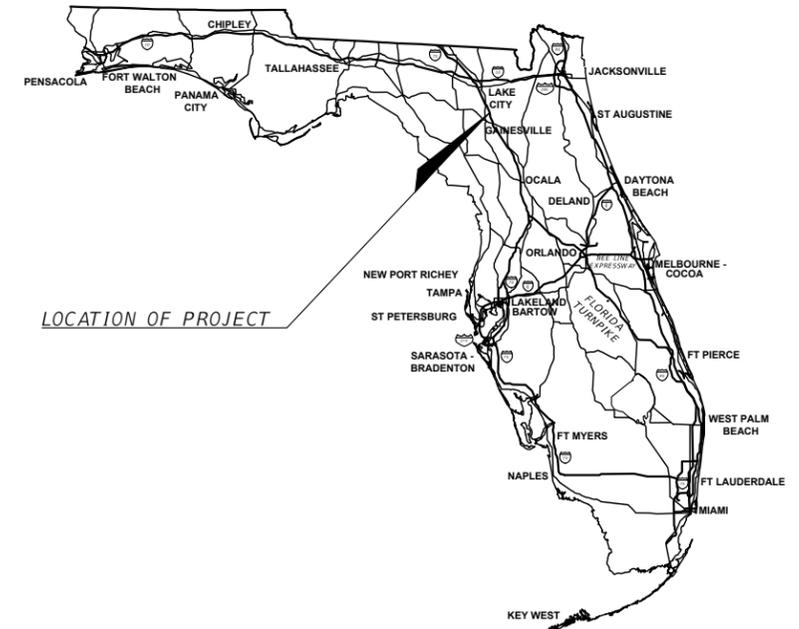
CONTRACT PLANS COMPONENTS  
ROADWAY  
SIGNING AND PAVEMENT MARKING  
SIGNALIZATION

# CONTRACT PLANS

## HOWELL ROAD AND ELLISVILLE ACCESS ROAD

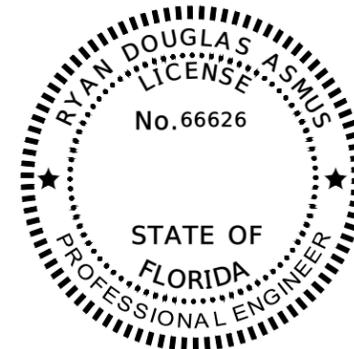
NFPS PROJECT ID L240722CCB  
COLUMBIA COUNTY, FLORIDA

## SIGNING AND PAVEMENT MARKING PLANS



### INDEX OF SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2	GENERAL NOTES
S-3	TABULATION OF QUANTITIES
S-4 - S-8	SIGNING AND PAVEMENT MARKING PLAN



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NORTH FLORIDA PROFESSIONAL SERVICES INC.  
P.O. BOX 3823  
LAKE CITY, FL 32056  
RYAN DOUGLAS ASMUS, P.E.  
P.E. NO. 66626

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

PROJECT MANAGER

CHAD WILLIAMS, P.E.  
COLUMBIA COUNTY ENGINEER

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

SIGNING AND PAVEMENT MARKING  
ENGINEER OF RECORD:

RYAN DOUGLAS ASMUS, P.E.  
P.E. NO.: 66626  
NORTH FLORIDA PROFESSIONAL  
SERVICES, INC.  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056  
386-752-4675

GOVERNING CRITERIA:  
Florida Department of Transportation; Manual of Uniform Minimum Standards for Design, Construction and Maintenance For Streets and Highways (2018 Edition)

GOVERNING STANDARD PLANS:  
Florida Department of Transportation, FY2024-25 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website:

<http://www.fdot.gov/design/Standardplans.shtm>

APPLICABLE IRs:

GOVERNING STANDARD SPECIFICATIONS:  
Florida Department of Transportation, FY2024-25 Standard Specifications for Road and Bridge Construction are available at the following website:

<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

FISCAL YEAR	SHEET NO.
25	S-1

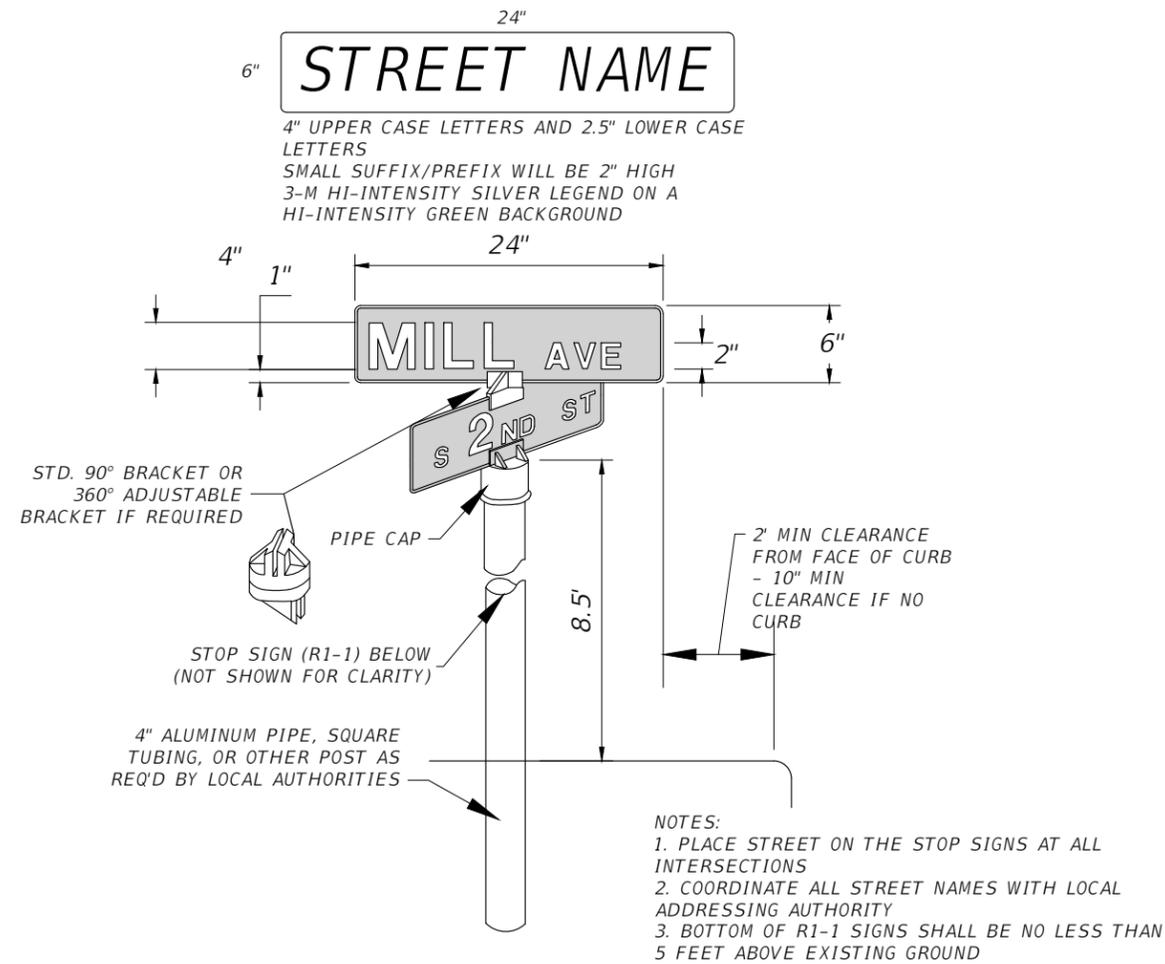
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SIGNING AND PAVEMENT MARKING NOTES

1. ALIGN PROPOSED PAVEMENT MARKINGS WITH EXISTING PAVEMENT MARKINGS AT PAVEMENT MARKING LIMITS OF CONSTRUCTION
2. PLACE ALL DIRECTIONAL ARROWS AND LETTERS FOR PAVEMENT MESSAGES AS ONE SEGMENT
3. CONSTRUCT PAVEMENT MARKINGS AND RPM'S IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 706-001 AND 711-001.
4. INSTALL ALL SIGNS IN ACCORDANCE WITH THE FDOT STANDARD PLANS AND THE MUTCD CURRENT EDITION.
5. ALL EXISTING SIGNS WILL REMAIN UNLESS OTHERWISE NOTED IN THE PLANS.

PAY ITEM NOTES

- 700-1-11 - SINGLE POST SIGN, F&I LESS THAN 12 SF - INCLUDES FURNISHING AND INSTALLING OF TWO STREET NAME PANELS FOR EACH R1-1 STOP SIGN LOCATION.
- 710-9 - PAINTED PAVEMENT MARKINGS - ALL PERMANENT PAINTED PAVEMENT MARKINGS SHALL RECEIVE TWO APPLICATIONS OF PAINT: THE FIRST APPLICATION SHALL OCCUR AS SOON AS POSSIBLE AFTER THE FINAL SURFACE IS PLACED AND THE FINAL APPLICATION SHALL BE PLACED 14 DAYS LATER.



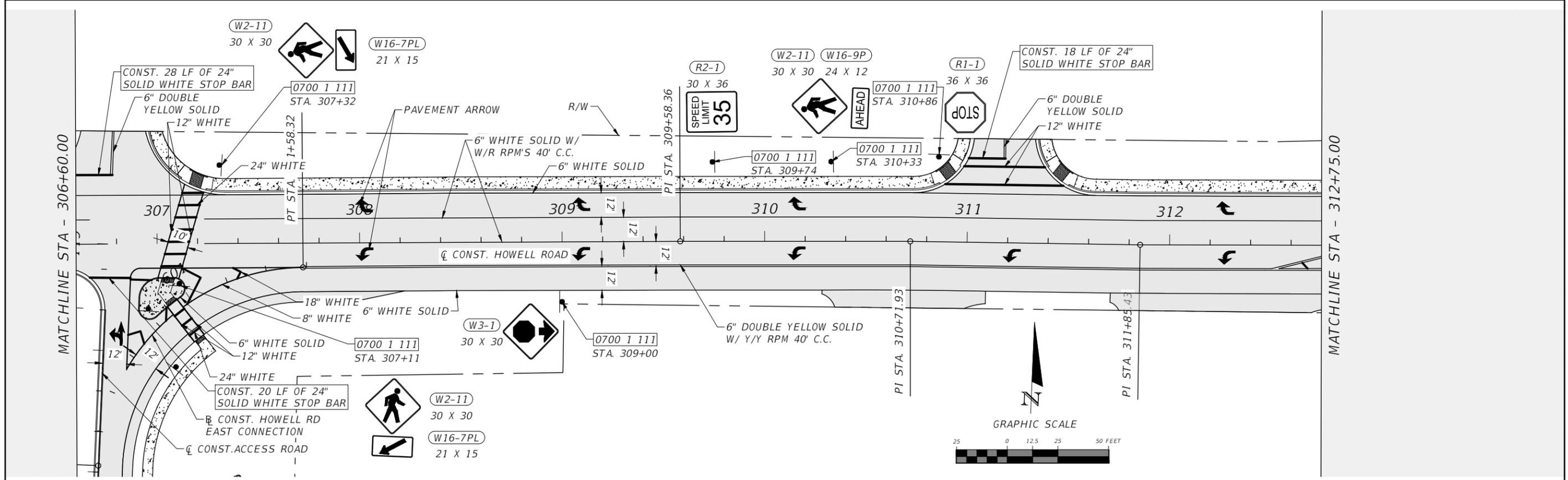
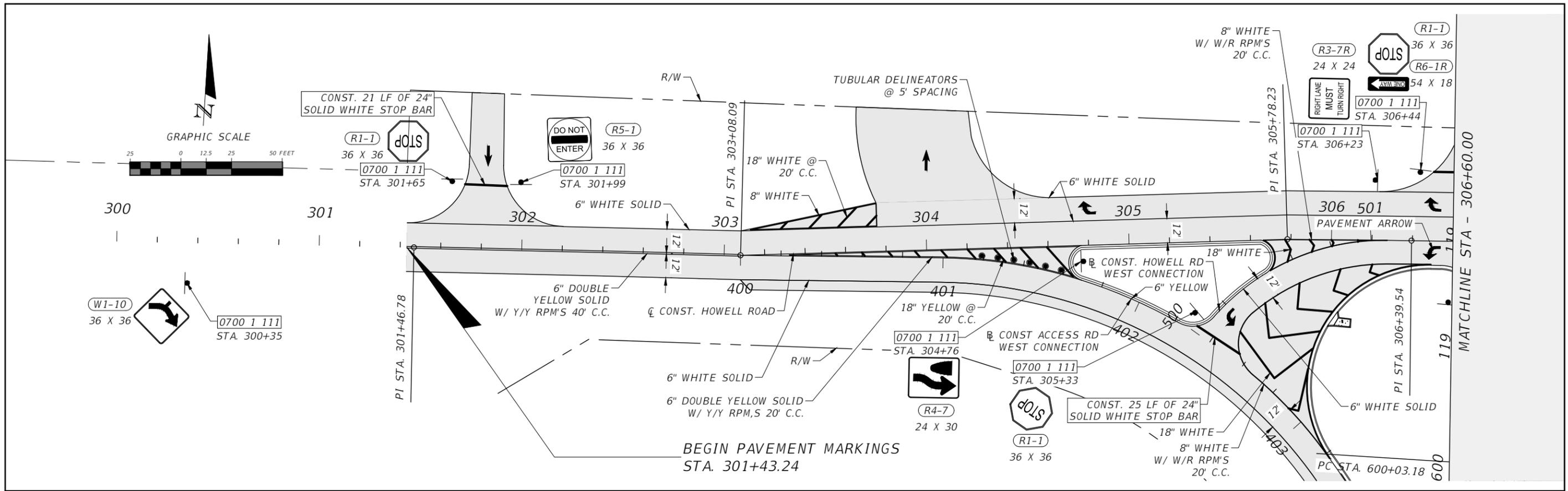
1 STREET SIGN DETAIL  
5-2 SCALE:N.T.S.

REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		5-2
					HOWELL RD	COLUMBIA			

TABULATION OF QUANTITIES				
PAY ITEM NO.	DESCRIPTION	UNIT	GRAND TOTAL	
700 1111	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	22	
700 1600	SINGLE POST SIGN, REMOVE	AS	1	
700 13 15	RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 5'	EA	1	
704 1 3	TUBULAR MARKER, 36" WHITE POST	EA	6	
706 1 3	RETROREFLECTIVE PAVEMENT MARKERS	EA	734	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	33	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	3	
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	1581	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	974	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	LF	1344	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 24 FOR STOP LINE AND CROSSWALK	LF	710	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	1.60	
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	1.04	
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SKIP, 6"	GM	.46	
* TO BE PAID FOR UNDER 710-90				

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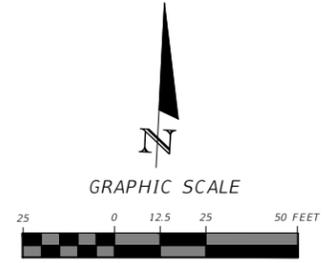
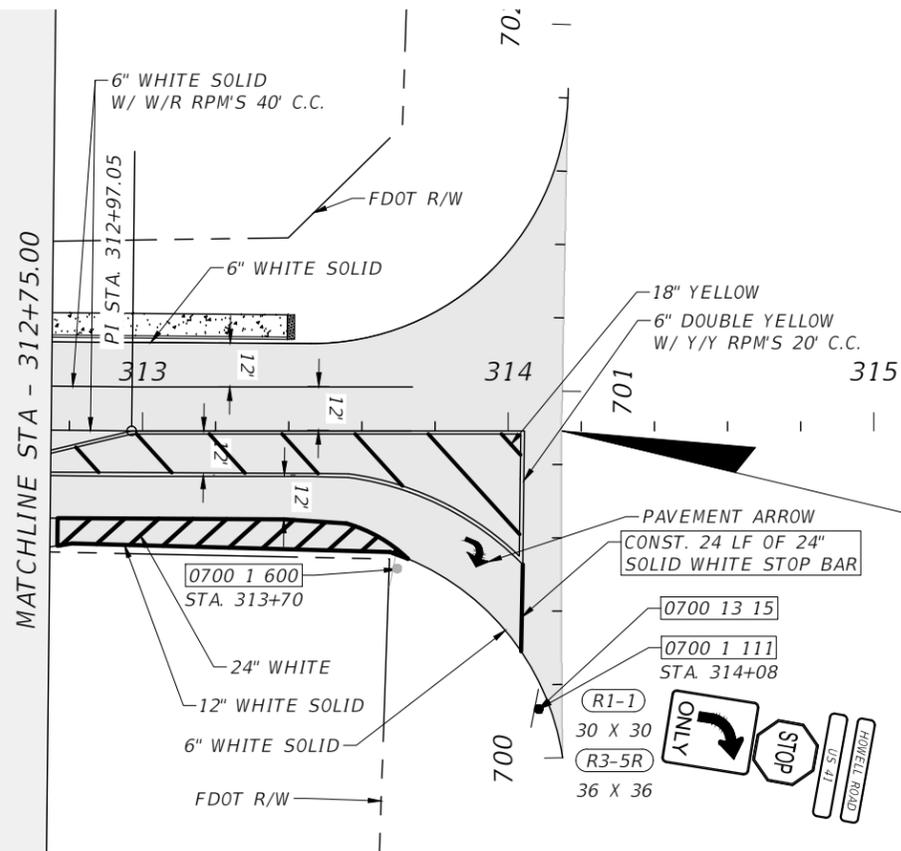
R E V I S I O N S				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			<b>TABULATION OF QUANTITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-3
					HOWELL RD	COLUMBIA			



REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056		COLUMBIA CO BOCC		<b>SIGNING AND PAVEMENT MARKING PLAN</b>	SHEET NO. S-4
ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
HOWELL RD	COLUMBIA				

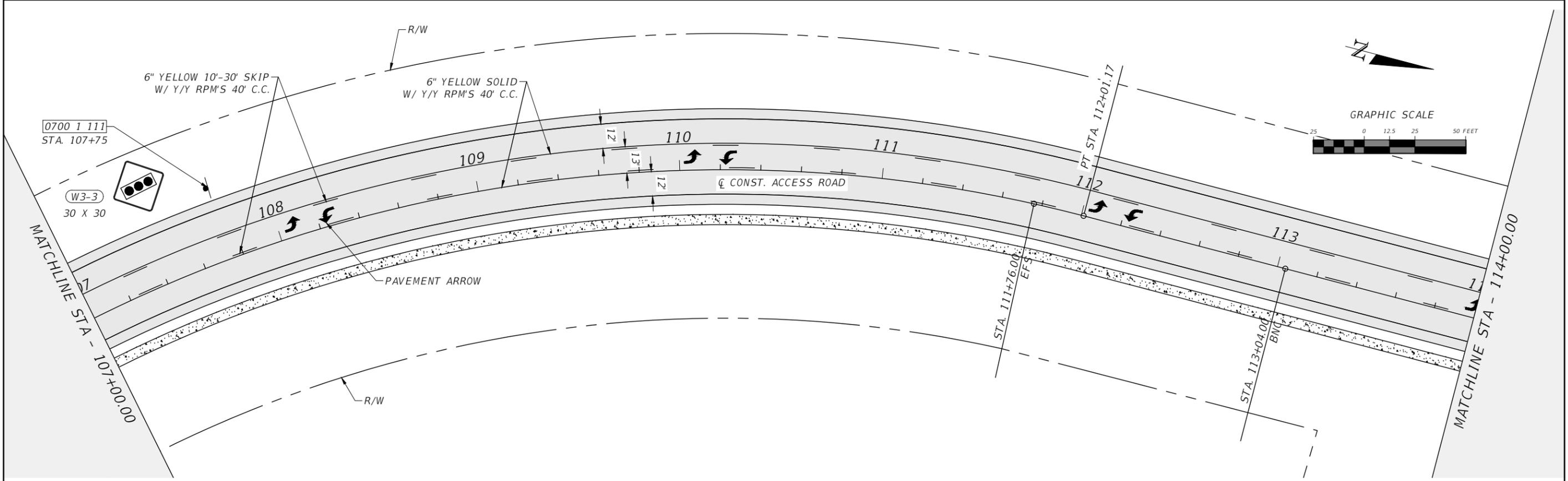
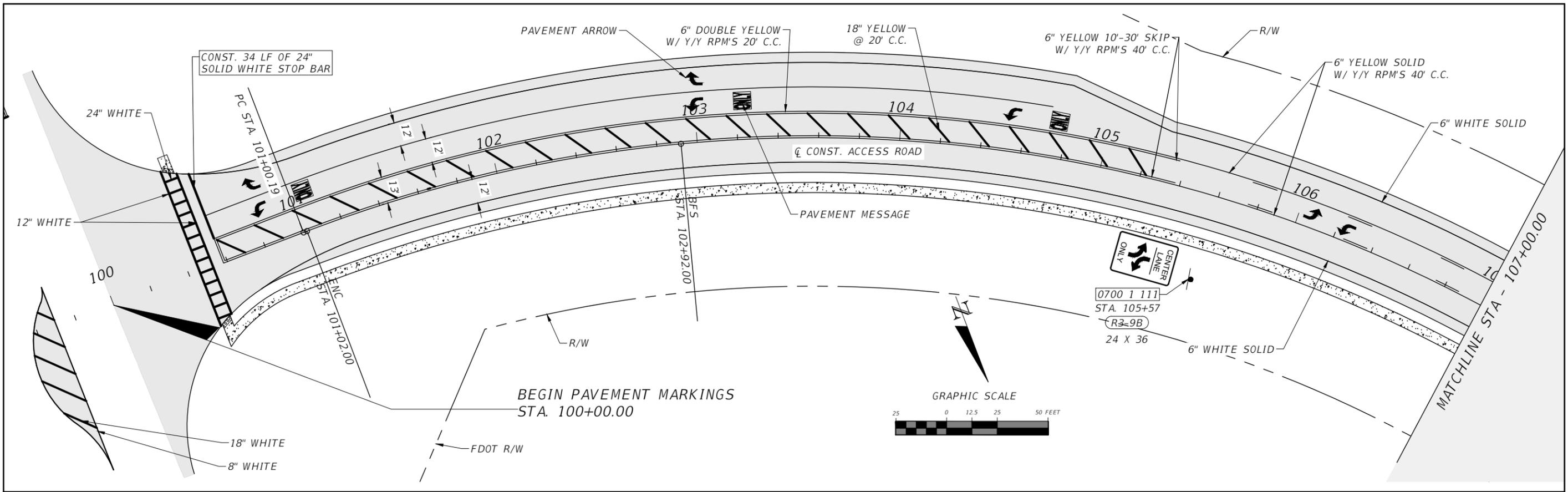
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END PAVEMENT MARKINGS  
STA. 314+14.77

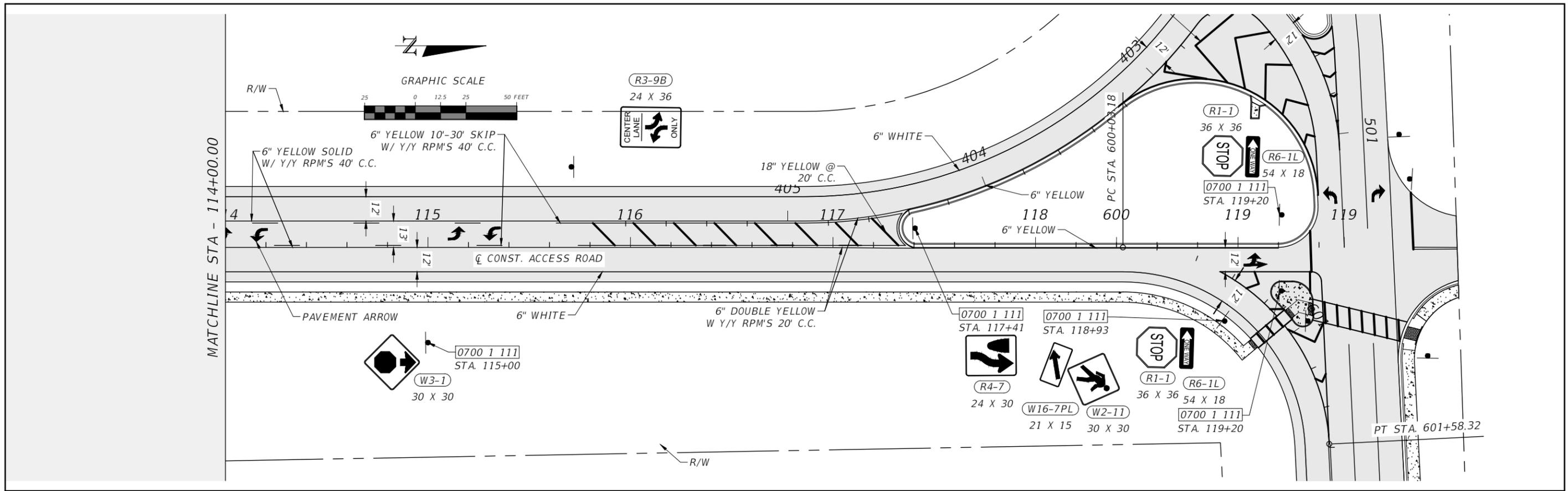
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-5
					HOWELL RD	COLUMBIA			



REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			SHEET NO.  5-6
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID	

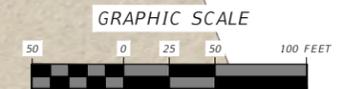
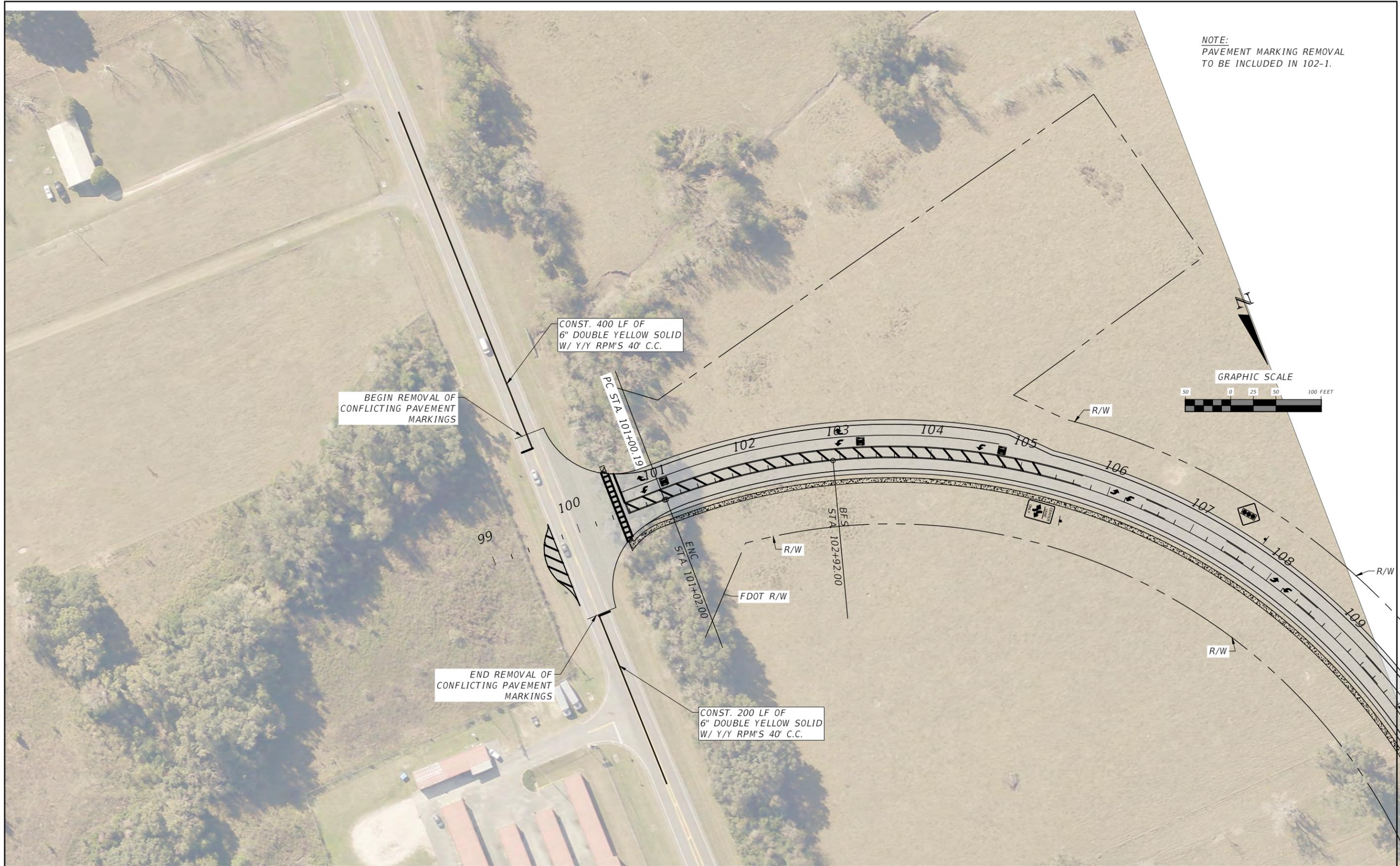
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		5-7

NOTE:  
PAVEMENT MARKING REMOVAL  
TO BE INCLUDED IN 102-1.



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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-8
					HOWELL RD	COLUMBIA			

CONTRACT PLANS COMPONENTS  
 ROADWAY  
 SIGNING AND PAVEMENT MARKING  
 SIGNALIZATION

INDEX OF SIGNALIZATION PLANS

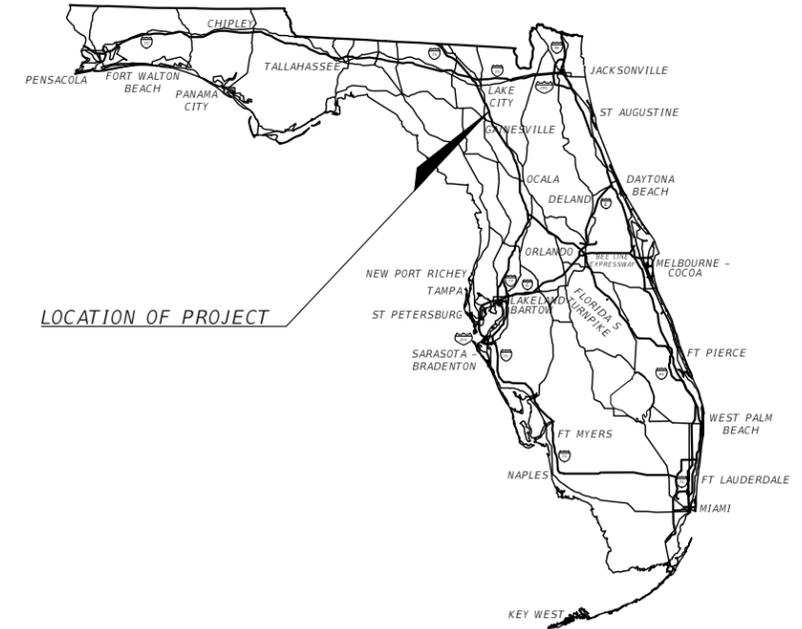
SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	SIGNATURE SHEET
T-3	GENERAL NOTES
T-4	TABULATION OF QUANTITIES
T-5	SIGNALIZATION PLAN
T-6	CONCRETE STRAIN POLE SCHEDULE
T-7	SIGN DETAILS

# SIGNALIZATION PLANS HOWELL ROAD AND ELLISVILLE ACCESS ROAD

NFPS PROJECT ID L240722CCB

COLUMBIA COUNTY, FLORIDA

## SIGNALIZATION PLANS



THESE PLANS WERE PREPARED  
 FOR THE COLUMBIA COUNTY BOARD  
 OF COUNTY COMMISSIONERS

PROJECT MANAGER  
 CHAD WILLIAMS, P.E.  
 COLUMBIA COUNTY ENGINEER

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

SIGNALIZATION  
 ENGINEER OF RECORD:

RYAN DOUGLAS ASMUS, P.E.  
 P.E. NO.:66626  
 NORTH FLORIDA PROFESSIONAL SERVICES, INC.  
 P.O. BOX 3823  
 LAKE CITY, FLORIDA 32056  
 386-752-4675

GOVERNING CRITERIA:  
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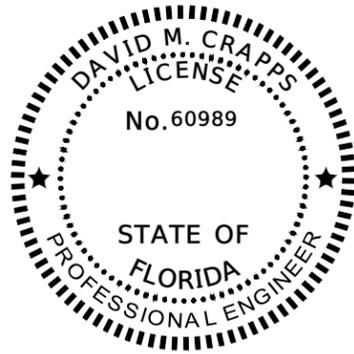
APPLICABLE IRs:

GOVERNING STANDARD SPECIFICATIONS:  
 Florida Department of Transportation, FY2024-25 Standard  
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<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

FISCAL YEAR	SHEET NO.
25	T-1

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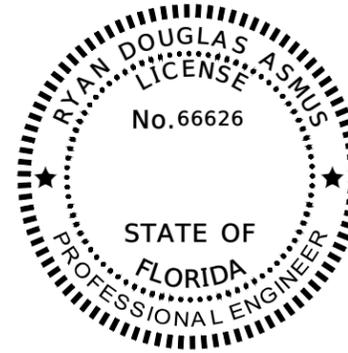


THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY DAVID M. CRAPPS P.E. ON THE DATE ADJACENT TO THE SEAL.

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NORTH FLORIDA PROFESSIONAL SERVICES INC.  
 P.O. BOX 3823  
 LAKE CITY, FL 32056  
 DAVID M. CRAPPS  
 P.E. NO. 60989

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



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY RYAN DOUGLAS ASMUS, P.E. ON THE DATE ADJACENT TO THE SEAL.

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NORTH FLORIDA PROFESSIONAL SERVICES INC.  
 P.O. BOX 3823  
 LAKE CITY, FL 32056  
 RYAN DOUGLAS ASMUS, P.E.  
 P.E. NO. 66626

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

### INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	SIGNATURE SHEET
T-3	GENERAL NOTES
T-4	TABULATION OF QUANTITIES
T-5	SIGNALIZATION PLAN
T-6	CONCRETE STRAIN POLE SCHEDULE
T-7	SIGN DETAILS

REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		T-2
					HOWELL RD	COLUMBIA			

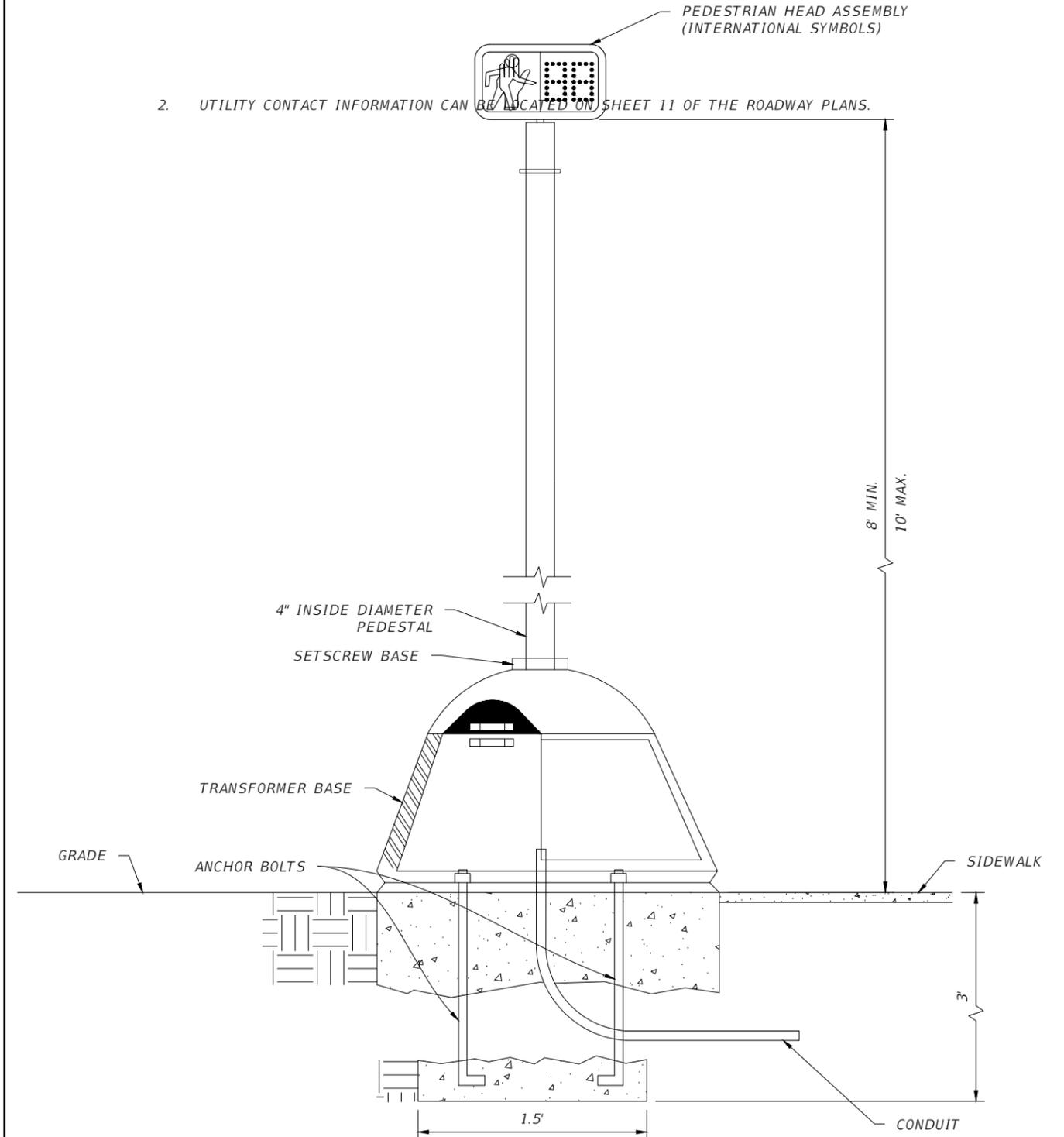
**SIGNALIZATION NOTES**

1. VERIFY COLOR CODES FOR SIGNAL CABLE WITH THE LOCAL MAINTAINING AGENCY BEFORE ORDERING.
2. FOR FTP-68B-06 SIGNS, CONTACT THE LOCAL MAINTAINING AGENCY FOR THE PROPER STREET NAMES BEFORE ORDERING.
3. NOTIFY JOE CRACKEL WITH COLUMBIA COUNTY AT 386-984-5940 48 HOURS IN ADVANCE OF BEGINNING SIGNAL WORK TO OBSERVE INSTALLATION IF DESIRED.
4. ALL PULL BOX COVERS TO BE FURNISHED AND INSTALLED SHALL BE NON-METALLIC.
5. CONCRETE APRONS SHALL BE CONSTRUCTED AROUND PULL BOXES
6. CABINET DOORS SHALL OPEN AWAY FROM THE INTERSECTION.
7. ALL CONDUIT RUNS CARRYING SIGNAL CABLE MUST HAVE A #6 AWG STRANDED GREEN GROUNDING WIRE.
8. PRIOR TO SIGNAL OPERATION, VMS'S SHALL BE USED ON NB/SB US 41 AND ACCESS RD. 2 WEEKS IN ADVANCE WITH THE FOLLOWING MESSAGE:  
  
NEW SIGNAL AHEAD  
NEW TRAFFIC PATTERN  
DATE OPERATIONAL  
  
COST FOR VMS IS INCLUDED IN 102-1 LS.
9. SIGNAL COMPONENT INSTALLATION AND HOOK UP SHALL BE COMPLETE AND OPERATIONAL, NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR OPERATIONAL SYSTEM.
10. CONTRACTOR IS REQUIRED TO REACH OUT TO MANUFACTURERS FOR CONFIGURATION AND PROGRAMMING, NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR MANUFACTURERS RECOMMENDATIONS.

**UTILITY NOTES**

1. CONTACT SUNSHINE STATE ONE-CALL OF FLORIDA, INC. AS REQUIRED BY CHAPTER 556 OF THE FLORIDA STATUTES.

2. UTILITY CONTACT INFORMATION CAN BE LOCATED ON SHEET 11 OF THE ROADWAY PLANS.



**PEDESTRIAN SIGNAL PEDESTAL DETAIL**  
NOT TO SCALE

NOTE: PED DETECTOR, PED SIGN, AND PED SIGNAL SHALL BE ORIENTED FACING THE CROSSWALK THEY SERVICE.  
INITIAL GROUNDING ROD TO BE INSTALLED IN NEAREST PULLBOX.

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					HOWELL RD	COLUMBIA		

**TABULATION OF QUANTITIES**

PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNITS	GRAND TOTAL	
			PLAN	FINAL
630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	134	
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	245	
632 7 1	SIGNAL CABLE NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1	
634 4 153	SPAN WIRE ASSEMBLY, F&I, TWO POINT, BOX OR DROP BOX	PI	1	
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	5	
635 2 13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	1	
639 1112	ELECTRICAL POWER SERVICE, F&I, OVERHEAD, METER PURCHASED BY CONTRACTOR FROM POWER COMPANY	AS	1	
639 2 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	272	
639 3 11	ELECTRICAL SERVICE DISCONNECT	EA	1	
641 2 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P II SERVICE POLE	EA	1	
641 2 17	PRESTRESSED CONCRETE POLE, F&I, TYPE P VII	EA	4	
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	2	
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	7	
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	2	
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	2	

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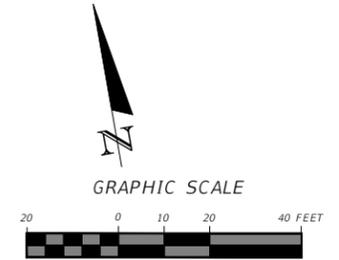
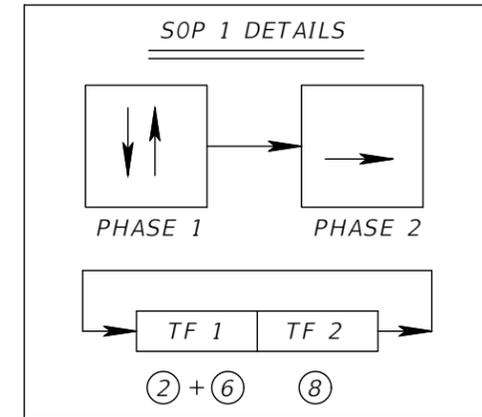
<b>REVISIONS</b>				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	<b>COLUMBIA CO BOCC</b>			<b>TABULATION OF QUANTITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		T-4
				HOWELL RD	COLUMBIA				

**CONTROLLER OPERATION:**

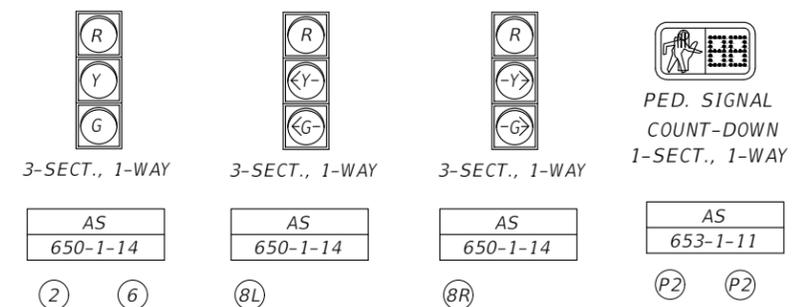
1. THE MAJOR STREET IS US 41. THE MINOR STREET IS ACCESS RD.
2. THE STANDARD OPERATING PLAN IS SOP1 WITH THE FOLLOWING REQUIREMENT:
  - A. CONCURRENT PEDESTRIAN MOVEMENTS ON PHASE 2 (P2)
  3. MIN RECALL ON PHASE 1

FOR SIGN DETAILS SEE SHEET T-7

- A US 41 700-3-202 \*TO BE MOUNTED ON SIGNAL POLE
- B ACCESS RD 700-3-202 \*TO BE MOUNTED ON SIGNAL POLE

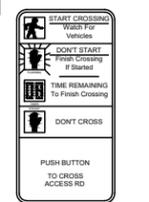


CONTROLLER TIMINGS			
TIMING FUNCTION			
MOVEMENT NUMBER	2	6	8
MINIMUM GREEN	20	20	4
EXTENSION	3	3	3
MAXIMUM GREEN 1	50	50	20
MAXIMUM GREEN 2			
YELLOW CLEARANCE	4.80	4.80	4.80
ALL RED	2.00	2.00	2.00
PEDESTRIAN WALK	7	7	
PED. CLEARANCE	25	25	
RECALL	YES	YES	NO

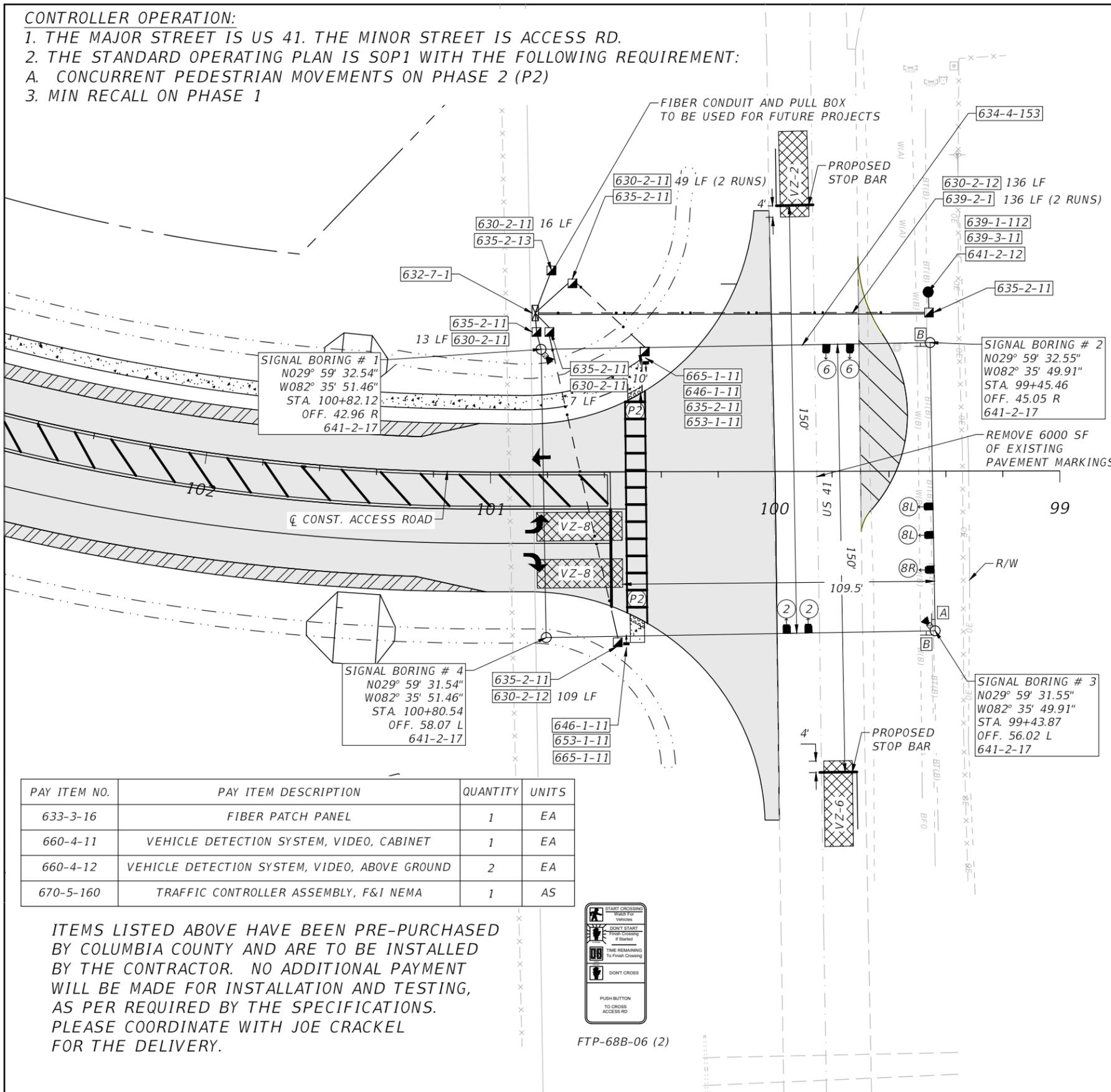


PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY	UNITS
633-3-16	FIBER PATCH PANEL	1	EA
660-4-11	VEHICLE DETECTION SYSTEM, VIDEO, CABINET	1	EA
660-4-12	VEHICLE DETECTION SYSTEM, VIDEO, ABOVE GROUND	2	EA
670-5-160	TRAFFIC CONTROLLER ASSEMBLY, F&I NEMA	1	AS

ITEMS LISTED ABOVE HAVE BEEN PRE-PURCHASED BY COLUMBIA COUNTY AND ARE TO BE INSTALLED BY THE CONTRACTOR. NO ADDITIONAL PAYMENT WILL BE MADE FOR INSTALLATION AND TESTING, AS PER REQUIRED BY THE SPECIFICATIONS. PLEASE COORDINATE WITH JOE CRACKEL FOR THE DELIVERY.



FTP-68B-06 (2)

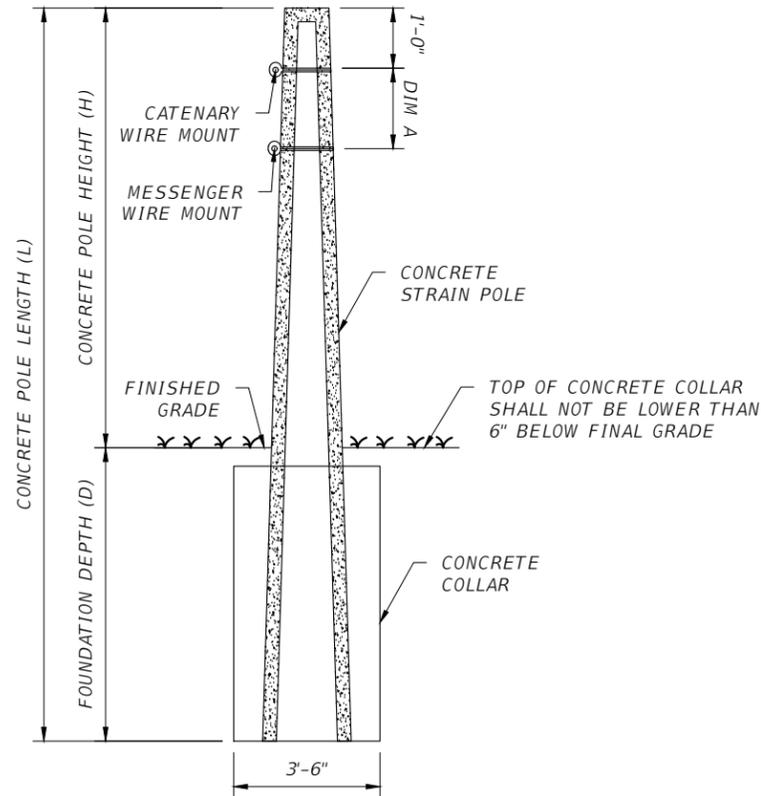


REVISIONS				RYAN DOUGLAS ASMUS, P.E. P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			SHEET NO. T-5
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID	

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**CONCRETE STRAIN POLE SCHEDULE**

ID NO.	SHEET NO.	POLE LOCATION		FINAL GRADE ELEVATION	CROWN ELEVATION	POLE TYPE	POLE LENGTH (L)	POLE HEIGHT (H)	FOUNDATION DEPTH (D)	DIMENSION (A)	PAY ITEM NUMBER	CATENARY CABLE	MESSENGER CABLE
		NORTHING	EASTING										
1	T-4	N029° 59' 32.54"	W082° 35' 51.46"	73.78	75.84	P-VII	44.39'	31.89'	13'	7.8'	641 2 17	1/2"	1/2"
2	T-4	N029° 59' 32.55"	W082° 35' 49.91"	71.93	75.84	P-VII	46.24'	33.24'	13'	7.8'	641 2 17	1/2"	1/2"
3	T-4	N029° 59' 31.55"	W082° 35' 49.91"	71.19	74.94	P-VII	46.98'	33.98'	13'	7.8'	641 2 17	1/2"	1/2"
4	T-4	N029° 59' 31.54"	W082° 35' 51.46"	74.58	74.94	P-VII	43.59'	30.59'	13'	7.8'	641 2 17	1/2"	1/2"



CONCRETE STRAIN POLE DIMENSIONS  
(SEE FDOT STANDARD PLANS INDEX 641-010 FOR POLE DETAILS)

FOUNDATION DATA TABLE				
STRUCTURE NO.	SOIL TYPE	AVERAGE UNIT WEIGHT (SUBMERGED)	AVERAGE FRICTION ANGLE	AVERAGE BLOW COUNT
1,2,3,4	COHESIONLESS SAND	52 PCF	31 DEG	VARIES

THE DISTANCE BETWEEN THE MESSENGER WIRE AND THE CATENARY WIRE AT ITS MAXIMUM SAG SHALL BE: 1'-0"

**FOUNDATION NOTES:**

- SEE OCTOBER 14, 2024, REPORT AND JANUARY 10, 2025, EMAIL WITH AMENDED SOIL PARAMETER TABLE

**STRAIN POLE NOTES:**

- 2 1/2" GALVANIZED PIPE NIPPLE 9" BELOW MESSENGER.
- METHOD OF ATTACHMENT SHALL BE TWO POINT PER FDOT STANDARD PLANS 634-001.
- DESIGN WIND SPEED: 120 MPH
- ANTICIPATE THE NEED FOR TEMPORARY CASING AND/OR SLURRY FOR FOUNDATION CONSTRUCTION

REVISIONS				DAVID M. CRAPPS P.E. P.E. LICENSE NUMBER 60989 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			CONCRETE STRAIN POLE SCHEDULE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		T-6
					HOWELL RD	COLUMBIA			

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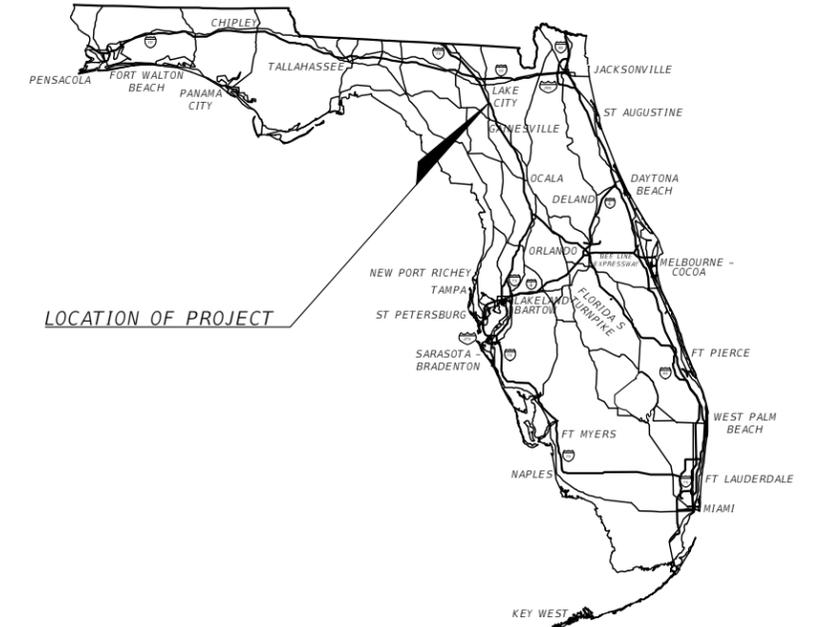


# CONTRACT PLANS

## HOWELL ROAD & ELLISVILLE ACCESS ROAD

NFPS PROJECT ID L240722CCB

### COLUMBIA COUNTY, FLORIDA



#### INDEX OF UTILITY PLANS - BASE BID

SHEET NO.	SHEET DESCRIPTION
U-01	KEY SHEET - BASE BID
U-02	SIGNATURE SHEET
U-03	WATER & SEWER NOTES
U-04	OVERALL UTILITY PLAN - BASE BID
U-05	NORTH UTILITY CONNECTION PLAN - BASE BID
U-06	SANITARY PLAN & PROFILE - BASE BID
U-07	SANITARY CASING PLAN & PROFILE - BASE BID
U-08 - U-11	UTILITY DETAILS - BASE BID

### UTILITY PLANS BASE BID

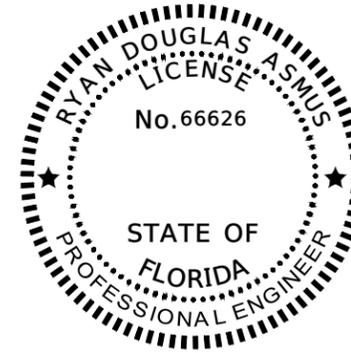
GOVERNING CRITERIA IS THE  
COLUMBIA COUNTY UTILITY HANDBOOK

UTILITY PLANS - BASE BID  
ENGINEER OF RECORD:

RYAN DOUGLAS ASMUS, P.E.  
P.E. NO.:66626  
NORTH FLORIDA PROFESSIONAL SERVICES, INC.  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056  
PHONE: 386-752-4675

100% PLANS  
NOT FOR CONSTRUCTION

FISCAL YEAR	SHEET NO.
25	U-01



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NORTH FLORIDA PROFESSIONAL SERVICES INC.  
 P.O. BOX 3823  
 LAKE CITY, FL 32056  
 RYAN DOUGLAS ASMUS, P.E. NO. 66626

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

*INDEX OF UTILITY PLANS - BASE BID*

<i>SHEET NO.</i>	<i>SHEET DESCRIPTION</i>
U-01	KEY SHEET - BASE BID
U-02	SIGNATURE SHEET
U-03	WATER & SEWER NOTES
U-04	OVERALL UTILITY PLAN - BASE BID
U-05	NORTH UTILITY CONNECTION PLAN - BASE BID
U-06	SANITARY PLAN & PROFILE - BASE BID
U-07	SANITARY CASING PLAN & PROFILE - BASE BID
U-08 - U-11	UTILITY DETAILS - BASE BID

*INDEX OF UTILITY PLANS - BID ALT 1*

<i>SHEET NO.</i>	<i>SHEET DESCRIPTION</i>
U-01A	KEY SHEET - BID ALT 1
U-02A	OVERALL UTILITY PLAN - BID ALT 1
U-04A	SOUTH UTILITY CONNECTION PLAN
U-05A	NORTH UTILITY CONNECTION PLAN - BID ALT 1
U-06A - U-09A	SANITARY PLAN & PROFILE
U-10A - U-12A	WATER PLAN & PROFILE
U-13A - U-16A	UTILITY DETAILS
U-03A	WATER LINE ABANDONMENT

<i>REVISIONS</i>				RYAN DOUGLAS ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			<i>SIGNATURE SHEET</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		U-02
					HOWELL RD	COLUMBIA			

# WATER AND SEWER NOTES

1. ALL UTILITY CONSTRUCTION SHALL MEET THE COLUMBIA COUNTY WATER AND WASTEWATER UTILITY STANDARDS.

2. THE CONTRACTOR SHALL MAINTAIN EXISTING WATER MAINS IN SERVICE DURING CONSTRUCTION. IN THE EVENT INTERRUPTIONS TO SERVICE ARE REQUIRED DURING CONSTRUCTION, SUCH INSTANCES SHALL BE MINIMIZED.

3. ALL NEW OR RELOCATED WATER MAINS THAT SERVE FIRE HYDRANTS AND ALL FIRE HYDRANT LEADS SHALL BE NO SMALLER THAN SIX INCHES IN DIAMETER. AUXILIARY VALVES SHALL BE PROVIDED ON ALL HYDRANT LEADS.

4. SUFFICIENT VALVES SHALL BE PROVIDED IN NEW AND RELOCATED WATER MAINS SO THAT INCONVENIENCE AND SANITARY HAZARDS WILL BE MINIMIZED DURING REPAIRS. (VALVES SHALL BE PLACED IN NO MORE THAN 600-FOOT INTERVALS IN COMMERCIAL DISTRICTS AND AT NO MORE THAN ONE-BLOCK OR 2000-FOOT INTERVALS IN OTHER DISTRICTS IN ACCORDANCE WITH COLUMBIA COUNTY UTILITY HANDBOOK SECTION 5.02.C.)

5. THIS PROJECT SHALL NOT INCLUDE ANY INTERCONNECTION BETWEEN PREVIOUSLY SEPARATE PUBLIC WATER SYSTEMS THAT HAVE SEPARATE WATER SUPPLY SOURCES. (A SPECIFIC CONSTRUCTION PERMIT IS REQUIRED FOR SUCH AN INTERCONNECTION.)

6. ALL NEW RELOCATED WATER LATERALS THAT CROSS ANY SANITARY SEWERS, STORM SEWERS, FORCE MAINS, OR RECLAIMED WATER LINES SHALL CROSS ABOVE SUCH PIPELINES.

7. COPPER TRACER WIRE SHALL BE PLACED ON ALL POTABLE WATER LINES AND WATER LATERALS. TRACER WIRE SHALL BE CONTINUOUS WITH NO INTERRUPTIONS.

8. LOCATOR BALLS SHALL BE PROVIDED AT END OF ALL WATER AND SANITARY SEWER LATERALS. THE LOCATOR BALLS SHALL BE SECURED TO THE LATERALS WITH A PLASTIC TIE STRAP.

9. WATER AND SANITARY SEWER LATERALS SHALL BE LEFT UNCOVERED UNTIL INSPECTED BY THE ENGINEER OR THE ENGINEER'S INSPECTOR.

10. CONTRACTOR SHALL PROVIDE TEMPORARY STAKES (2" BY 2" WOODEN STAKES) AT THE END OF EACH LATERAL. EACH STAKE SHALL INDICATE EITHER WATER OR SANITARY SEWER LATERAL. CONTRACTOR SHALL MAINTAIN THE STAKES UNTIL AN AS-BUILT SURVEY OF WATER AND SANITARY SEWER MAINS AND LATERALS ARE COMPLETE AND APPROVED BY THE ENGINEER.

11. MEGALUG MECHANICAL JOINT RESTRAINTS OR SERIES 1390 UNI-FLANGE BLOCK BUSTER RESTRAINT DEVICES SHALL BE USED WITH MANUFACTURER'S RECOMMENDATIONS. ALL RESTRAINED JOINTING MUST BE LEFT OPEN UNTIL VIEWED BY THE COUNTY INSPECTOR.

12. FOR SANITARY SEWER, PERFORM HYDROSTATIC TEST. ALLOWABLE LEAKAGE IS A MAXIMUM OF 50 GAL. PER INCH OF NOMINAL PIPE SIZE PER MILE OF PIPE, DURING A 24-HOUR PERIOD. OPTION: TEST DUCTILE-IRON PIPING ACCORDING TO AWWA C600, SECTION "HYDROSTATIC TESTING". USE TEST PRESSURE OF AT LEAST 10 PSI. FOR SANITARY SEWERAGE, PERFORM AIR TEST ACCORDING TO UNI-B-6.

13. FOR SANITARY SEWERAGE ALIGNMENT: EACH SECTION OF THE COMPLETED SEWER SYSTEM SHALL BE INSPECTED FOR PROPER ALIGNMENT. INSPECTION SHALL CONSIST OF "LAMPING" FROM MANHOLE TO MANHOLE. ANY SECTION OF THE SEWER SYSTEM, WHICH DOES NOT DISPLAY TRUE, CONCENTRIC ALIGNMENT, SHALL BE INSTALLED AT NO ADDITIONAL EXPENSE TO THE OWNER.

14. CLEAN AND DISINFECT WATER DISTRIBUTION PIPING SYSTEMS AND PARTS OF EXISTING SYSTEMS THAT HAVE BEEN ALTERED, EXTENDED OR REPAIRED BEFORE USE. USE PURGING AND DISINFECTING PROCEDURE PRESCRIBED BY AUTHORITIES HAVING JURISDICTION OR USE PROCEDURE DESCRIBED IN AWWA C651.

15. PVC GRAVITY FLOW SEWER PIPE AND FITTINGS 15 INCH AND SMALLER IN DIAMETER SHALL BE SDR35 PIPE WITH BELL AND SPIGOT GASKET JOINT THAT COMPLIES WITH THE REQUIREMENTS OF ASTM D3034.

16. ALL PIPE, PIPE FITTINGS, PIPE JOINT PACKING AND JOINTING MATERIALS, VALVES, FIRE HYDRANTS, AND METERS INSTALLED UNDER THIS PROJECT SHALL CONFORM TO APPLICABLE AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS.

17. ALL PUBLIC WATER SYSTEM COMPONENTS, EXCLUDING FIRE HYDRANTS, THAT WILL BE INSTALLED UNDER THIS PROJECT AND THAT WILL COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NSF INTERNATIONAL STANDARD 61 AS ADOPTED IN RULE 62-555.335, F.A.C., OR OTHER APPLICABLE STANDARDS, REGULATIONS, OR REQUIREMENTS REFERENCED IN PARAGRAPH 62- 555.320(3)(B), F.A.C.

18. ALL PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT SHALL CONTAIN NO MORE THAN 8.0% LEAD, AND ANY SOLDER OR FLUX USED IN THIS PROJECT WILL CONTAIN NO MORE THAN 0.2% LEAD.

19. ALL WATER PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT SHALL BE COLOR CODED OR MARKED IN ACCORDANCE WITH SUBPARAGRAPH 62-555.320(21)(B) 3, F.A.C., USING BLUE AS A PREDOMINANT COLOR. (UNDERGROUND PLASTIC PIPE SHALL BE SOLID-WALL BLUE PIPE, WILL HAVE A CO-EXTRUDED BLUE EXTERNAL SKIN, OR WILL BE WHITE OR BLACK PIPE WITH BLUE STRIPES INCORPORATED INTO, OR APPLIED TO, THE PIPE WALL; AND UNDERGROUND METAL OR CONCRETE PIPE SHALL HAVE BLUE STRIPES APPLIED TO THE PIPE WALL. PIPE STRIPED DURING MANUFACTURING OF THE PIPE SHALL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE, THAT ARE LOCATED AT NO GREATER THAN 90-DEGREE INTERVALS AROUND THE PIPE, AND THAT WILL REMAIN INTACT DURING AND AFTER INSTALLATION OF THE PIPE. IF TAPE OR PAINT IS USED TO STRIPE PIPE DURING INSTALLATION OF PIPE, THE TAPE OR PAINT SHALL BE APPLIED IN A CONTINUOUS LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE AND THAT IS LOCATED ALONG THE TOP OF THE PIPE; FOR PIPE WITH AN INTERNAL DIAMETER OF 24 INCHES OR GREATER, TAPE OR PAINT WILL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE TOP OF THE PIPE. ABOVEGROUND PIPE SHALL BE PAINTED BLUE OR WILL BE COLOR-CODED OR MARKED LIKE UNDERGROUND PIPE.

20. ALL FIRE HYDRANTS INSTALLED UNDER THIS PROJECT SHALL ADHERE TO COLUMBIA COUNTY UTILITY HANDBOOK SPECIFICATIONS SECTION 5.03.B.

21. ALL FIRE HYDRANTS THAT WILL BE INSTALLED UNDER THIS PROJECT AND THAT WILL HAVE UNPLUGGED, UNDERGROUND DRAINS SHALL BE LOCATED AT LEAST THREE FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., OR VACUUM-TYPE SANITARY SEWER; CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., OR VACUUM-TYPE SANITARY SEWER; OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-10, F.A.C.; AND AT LEAST TEN FEET FROM ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM."

22. NEW OR ALTERED CHAMBERS, PITS, OR MANHOLES THAT CONTAIN VALVES, BLOW-OFFS, METERS, OR OTHER SUCH WATER DISTRIBUTION SYSTEM APPURTENANCES AND THAT ARE INCLUDED IN THIS PROJECT WILL NOT BE CONNECTED DIRECTLY TO ANY SANITARY OR STORM SEWER, AND BLOW-OFFS OR AIR RELIEF VALVES INSTALLED UNDER THIS PROJECT SHALL NOT BE CONNECTED DIRECTLY TO ANY SANITARY OR STORM SEWER.

23. NEW OR ALTERED WATER MAINS INCLUDED IN THIS PROJECT SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE AWWA STANDARDS OR IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDED PROCEDURES.

24. A CONTINUOUS AND UNIFORM BEDDING SHALL BE PROVIDED IN TRENCHES FOR UNDERGROUND PIPE INSTALLED UNDER THIS PROJECT; BACKFILL MATERIAL WILL BE TAMPED IN LAYERS AROUND UNDERGROUND PIPE INSTALLED UNDER THIS PROJECT AND TO A SUFFICIENT HEIGHT ABOVE THE PIPE TO ADEQUATELY SUPPORT AND PROTECT THE PIPE; AND UNSUITABLY SIZED STONES (AS DESCRIBED IN APPLICABLE AWWA STANDARDS OR MANUFACTURERS' RECOMMENDED INSTALLATION PROCEDURES) FOUND IN TRENCHES WILL BE REMOVED FOR A DEPTH OF AT LEAST SIX INCHES BELOW THE BOTTOM OF UNDERGROUND PIPE INSTALLED UNDER THIS PROJECT.

25. ALL WATER MAIN TEES, BENDS, PLUGS, AND HYDRANTS INSTALLED UNDER THIS PROJECT SHALL BE PROVIDED WITH RESTRAINED JOINTS TO PREVENT MOVEMENT IN ACCORDANCE WITH THE COLUMBIA COUNTY UTILITY STANDARDS HANDBOOK.

26. NEW OR ALTERED WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL BE CONSTRUCTED OF ASBESTOS-CEMENT OR POLYVINYL CHLORIDE PIPE SHALL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C603 OR C605, RESPECTIVELY, AS INCORPORATED INTO RULE 62-555.330, F.A.C., AND ALL OTHER NEW OR ALTERED WATER MAINS INCLUDED IN THIS PROJECT SHALL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C600 AS INCORPORATED INTO RULE 62-555.330.

27. NEW OR ALTERED WATER MAINS, INCLUDING FIRE HYDRANT LEADS AND INCLUDING SERVICE LINES THAT WILL BE UNDER THE CONTROL OF A PUBLIC WATER SYSTEM AND THAT HAVE AN INSIDE DIAMETER OF THREE INCHES OR GREATER, SHALL BE DISINFECTED AND BACTERIOLOGICALLY EVALUATED IN ACCORDANCE WITH RULE 62-555.340, F.A.C.

28. NEW OR ALTERED WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL BE INSTALLED IN AREAS WHERE THERE ARE KNOWN AGGRESSIVE SOIL CONDITIONS SHALL BE PROTECTED THROUGH USE OF CORROSION-RESISTANT WATER MAIN MATERIALS, THROUGH ENCASEMENT OF THE WATER MAINS IN POLYETHYLENE, OR THROUGH PROVISION OF CATHODIC PROTECTION.

29. NEW OR RELOCATED, UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER, STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

30. NEW OR RELOCATED, UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT SHALL HAVE A MINIMUM HORIZONTAL DISTANCE OF SIX FEET WHERE TEN FEET IS PREFERRED BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY-TYPE SANITARY SEWER, EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

31. THE HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS MAY BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST TWELVE INCHES ABOVE THE TOP OF THE SEWER

32. A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" SHALL BE MAINTAINED.

33. NEW OR RELOCATED, UNDERGROUND WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE THE OTHER PIPELINE. NEW OR RELOCATED, UNDERGROUND WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE THE OTHER PIPELINE.

34. AT THE UTILITY CROSSINGS DESCRIBED ABOVE, SEPARATION DISTANCE SHALL NOT APPLY WHERE A WATER SERVICE PIPE CROSSES A SEWER PIPE, PROVIDED THE WATER SERVICE PIPE IS SLEEVED TO AT LEAST FIVE FEET HORIZONTALLY FROM THE SEWER PIPE CENTERLINE ON BOTH SIDES OF SUCH CROSSINGS WITH PIPE MATERIAL LISTED IN FLORIDA BUILDING CODE SECTION 603.2.

35. NEW OR ALTERED WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS ABOVE SURFACE WATER SHALL BE ADEQUATELY SUPPORTED AND ANCHORED, PROTECTED FROM DAMAGE AND FREEZING, AND ACCESSIBLE FOR REPAIR OR REPLACEMENT.

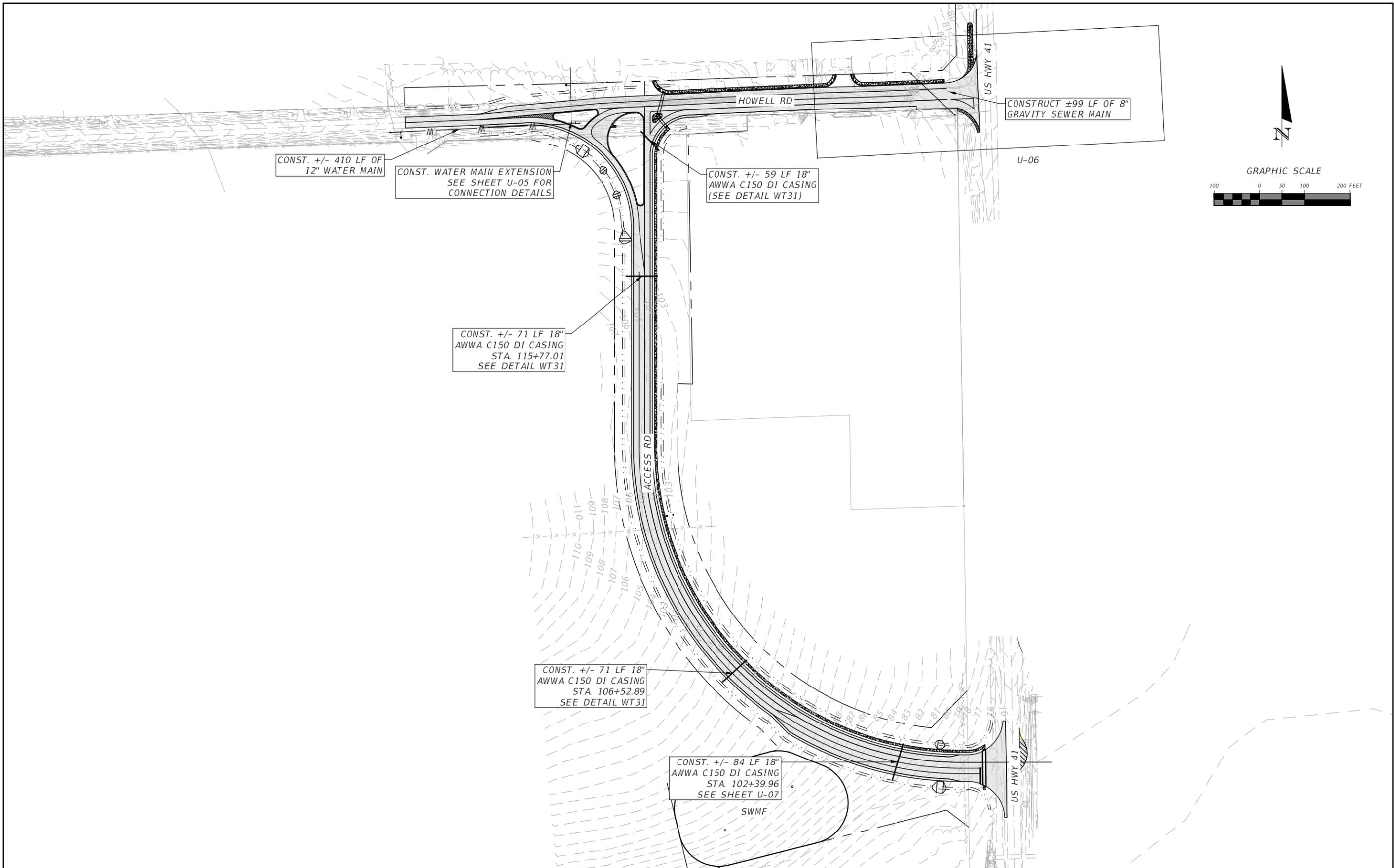
36. NEW OR ALTERED WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS UNDER SURFACE WATER COURSES GREATER THAN 15 FEET IN WIDTH SHALL HAVE FLEXIBLE OR RESTRAINED, WATERTIGHT PIPE JOINTS AND WILL INCLUDE VALVES AT BOTH ENDS OF THE WATER CROSSING SO THE UNDERWATER MAIN CAN BE ISOLATED FOR TESTING AND REPAIR; THE AFOREMENTIONED ISOLATION VALVES WILL BE EASILY ACCESSIBLE AND WILL NOT BE SUBJECT TO FLOODING; THE ISOLATION VALVE CLOSEST TO THE WATER SUPPLY SOURCE WILL BE IN A MANHOLE; AND PERMANENT TAPS WILL BE PROVIDED ON EACH SIDE OF THE ISOLATION VALVE WITHIN THE MANHOLE TO ALLOW FOR INSERTION OF A SMALL METER TO DETERMINE LEAKAGE FROM THE UNDERWATER MAIN AND TO ALLOW FOR SAMPLING OF WATER FROM THE UNDERWATER MAIN.

37. CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY MEETING THE REQUIREMENTS OF CHAPTER 61G17 F.A.C. FOR THE POTABLE WATER MAIN EXTENSION AND THE SANITARY SEWER MAIN EXTENSIONS. INCLUDE HORIZONTAL AND VERTICAL DIMENSIONAL DATA SO THAT IMPROVEMENTS ARE LOCATED AND DELINEATED RELATIVE TO THE BOUNDARY. PROVIDE SUFFICIENT DETAILED DATA TO DETERMINE WHETHER THE IMPROVEMENTS WERE CONSTRUCTED IN ACCORDANCE WITH THE PLANS. A COPY OF THE AS-BUILT SURVEY (IN PAPER AND DIGITAL AUTOCAD FORMAT) MUST BE SUBMITTED TO THE COUNTY AND THE ENGINEER.

38. CONTRACTOR SHALL PROVIDE POTABLE WATER TEST REPORTS IN ACCORDANCE WITH FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION REQUIREMENTS AFTER DISINFECTION OF THE SYSTEM.

39. AIR RELEASE VALVES ARE TO BE PLACED AT HIGH POINTS ON THE WATER MAINS.

R E V I S I O N S				RYAN DOUGLAS ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					HOWELL RD	COLUMBIA		U-03



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

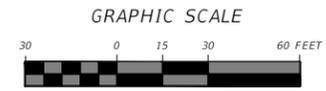
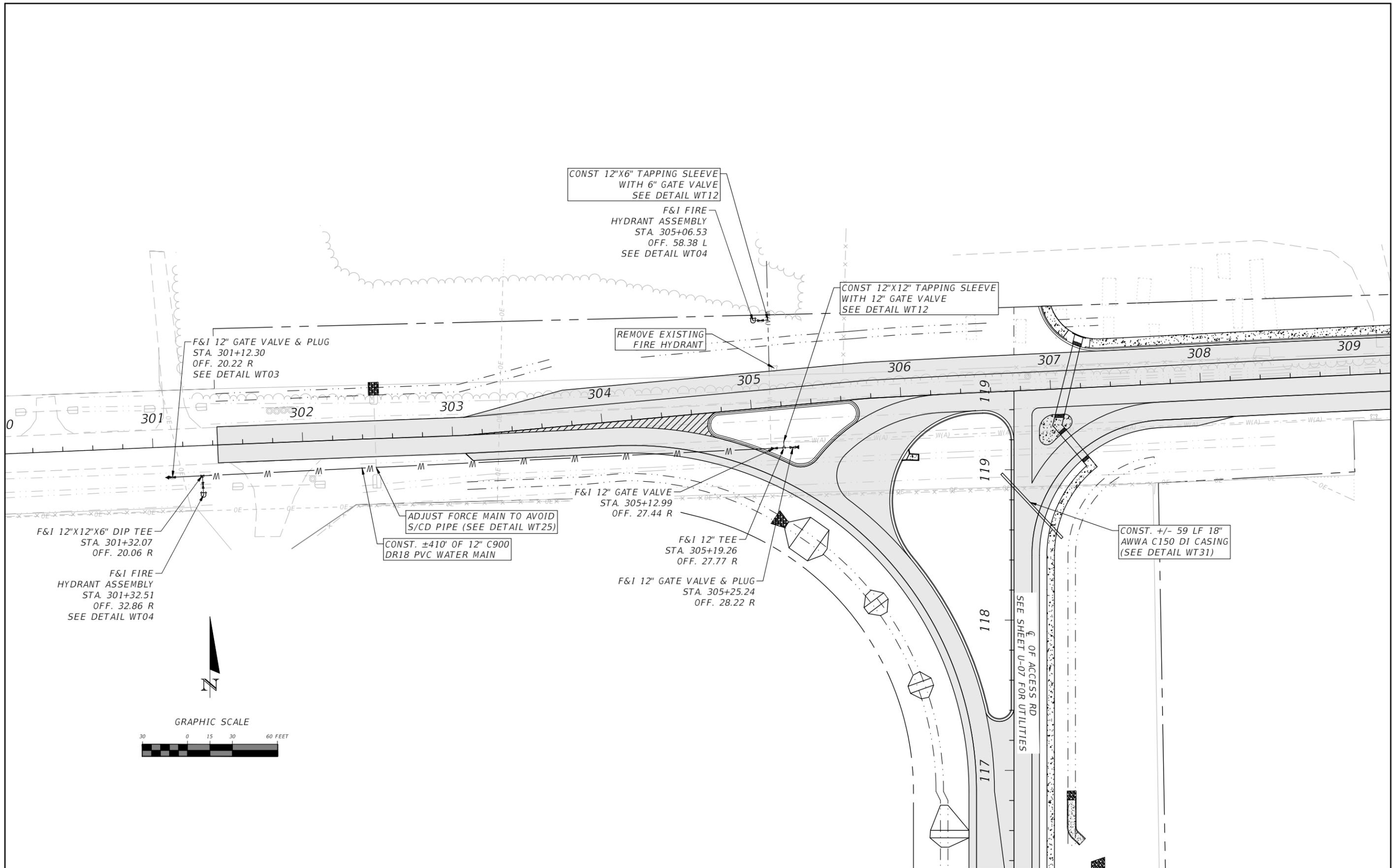
RYAN DOUGLAS ASMUS  
P.E. LICENSE NUMBER 66626  
NFPS  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056

COLUMBIA CO BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

**OVERALL UTILITY PLAN - BASE  
 BID**

SHEET NO.  
 U-04

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

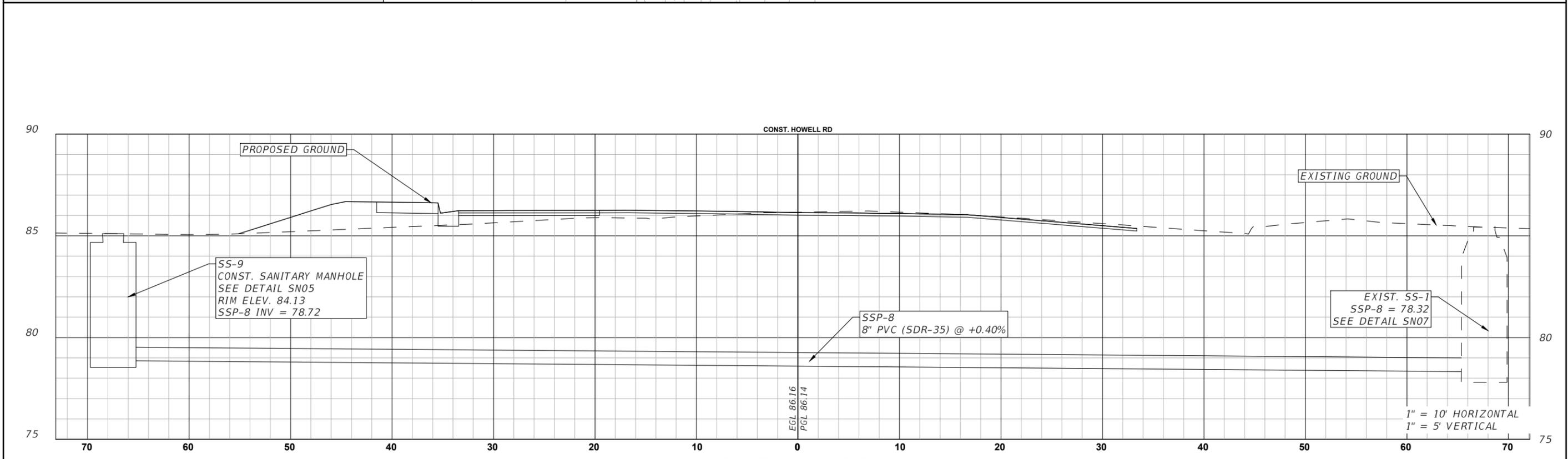
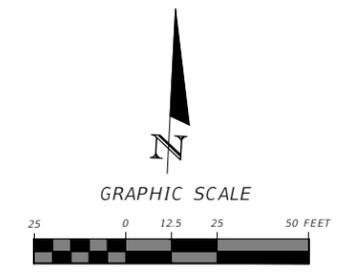
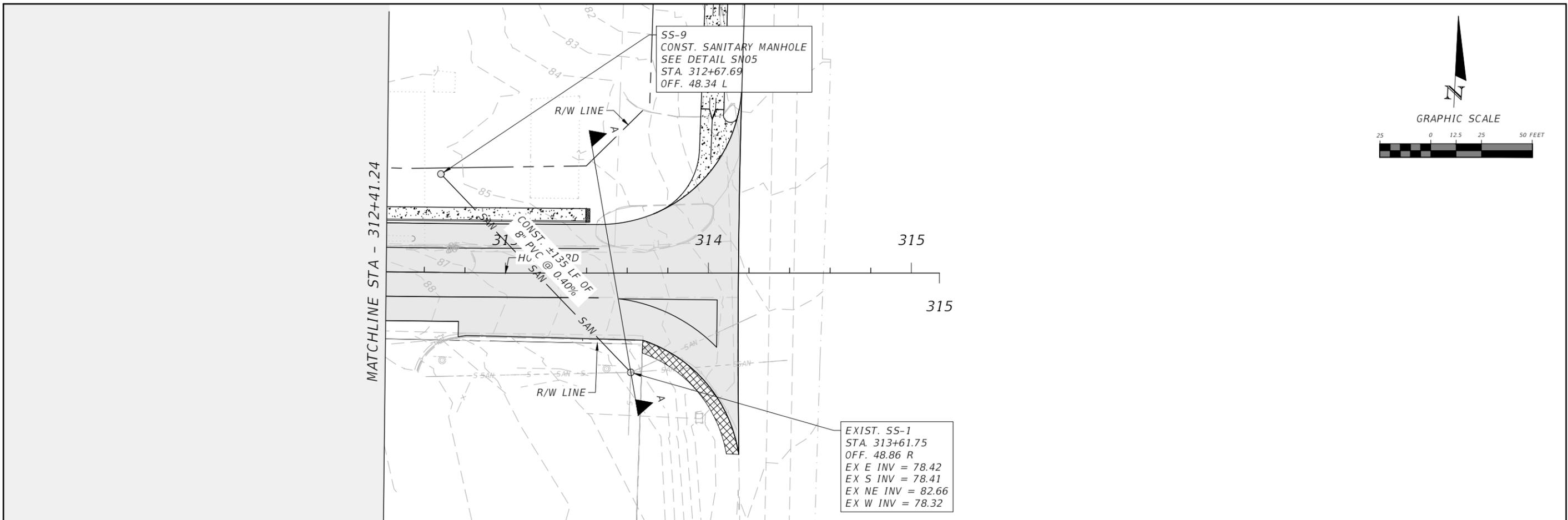
RYAN DOUGLAS ASMUS  
P.E. LICENSE NUMBER 66626  
NFPS  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056

COLUMBIA CO BOCC		
ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID

**NORTH UTILITY CONNECTION  
PLAN - BASE BID**

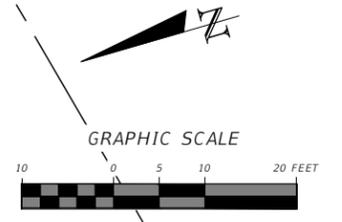
SHEET NO.  
U-05

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REVISIONS				RYAN DOUGLAS ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			SANITARY PLAN & PROFILE - BASE BID	SHEET NO.  U-06
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		

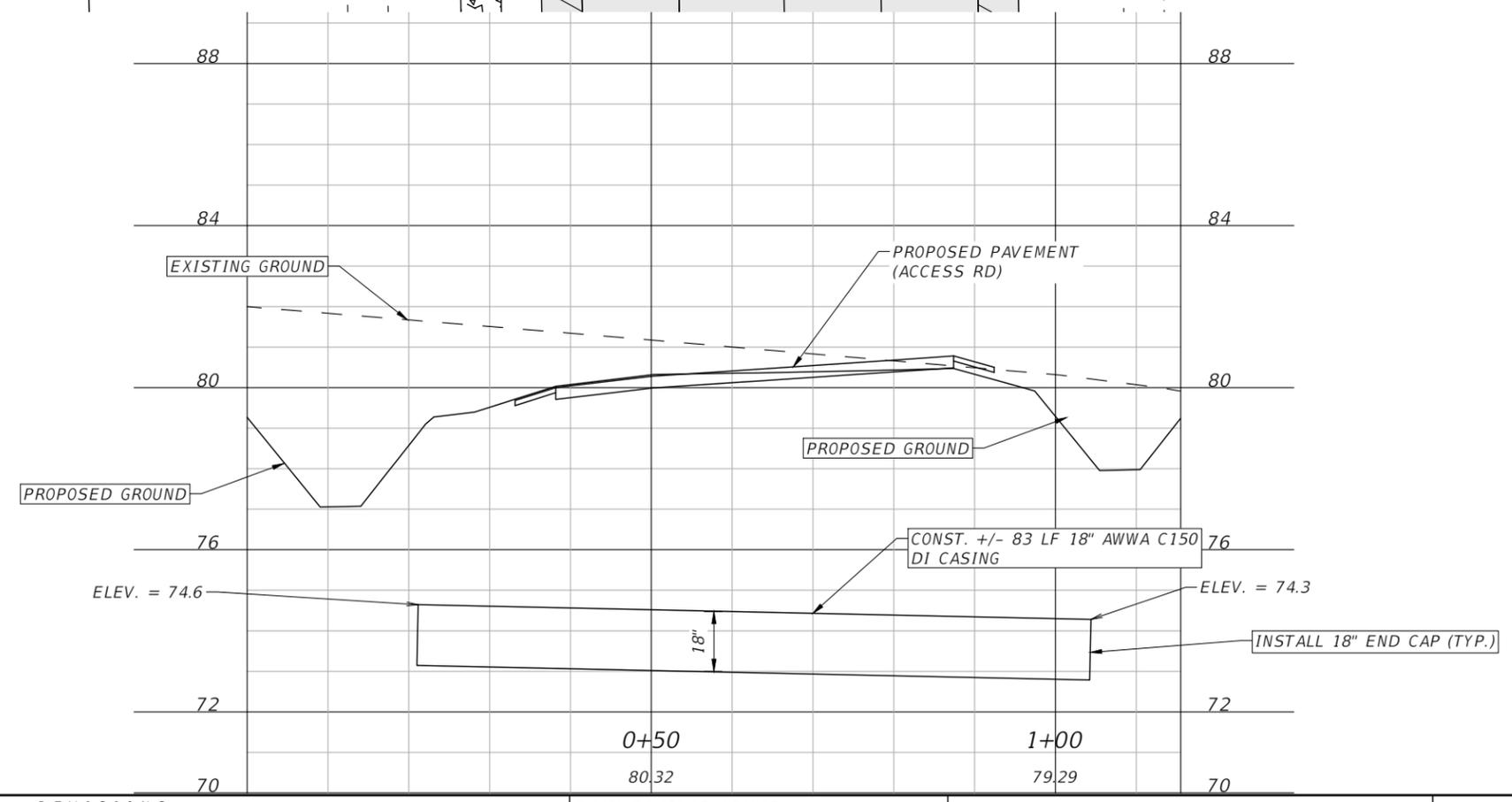
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OFF. 28.94 R

102  
ACCESS ROAD

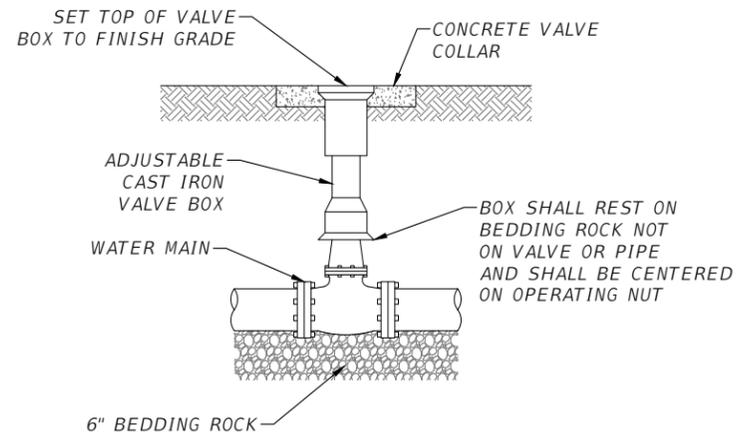
STA. 102+42.79  
OFF. 53.95 L



1" = 20' Horizontal  
1" = 4' Vertical

REVISIONS				RYAN DOUGLAS ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			SANITARY CASING PLAN & PROFILE - BASE BID	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		U-07
					HOWELL RD	COLUMBIA			

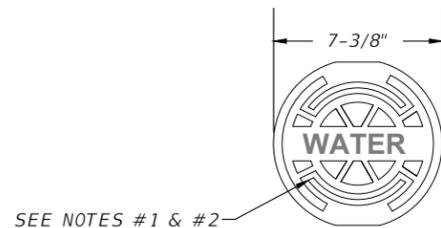
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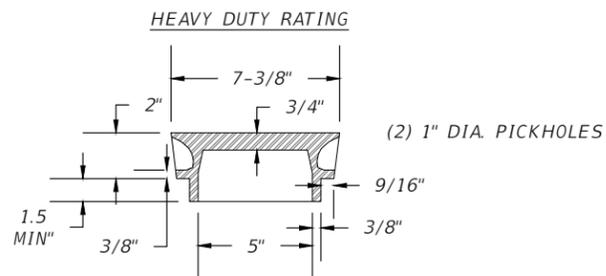
NOTES:

- PVC EXTENSIONS SHALL NOT BE USED ON VALVE BOX INSTALLATION.
- THE ACTUATING NUT FOR DEEPER VALVES SHALL BE EXTENDED TO COME UP TO 4 FOOT DEPTH BELOW FINISHED GRADE.

**WT03** VALVE AND BOX DETAIL  
SCALE: N.T.S



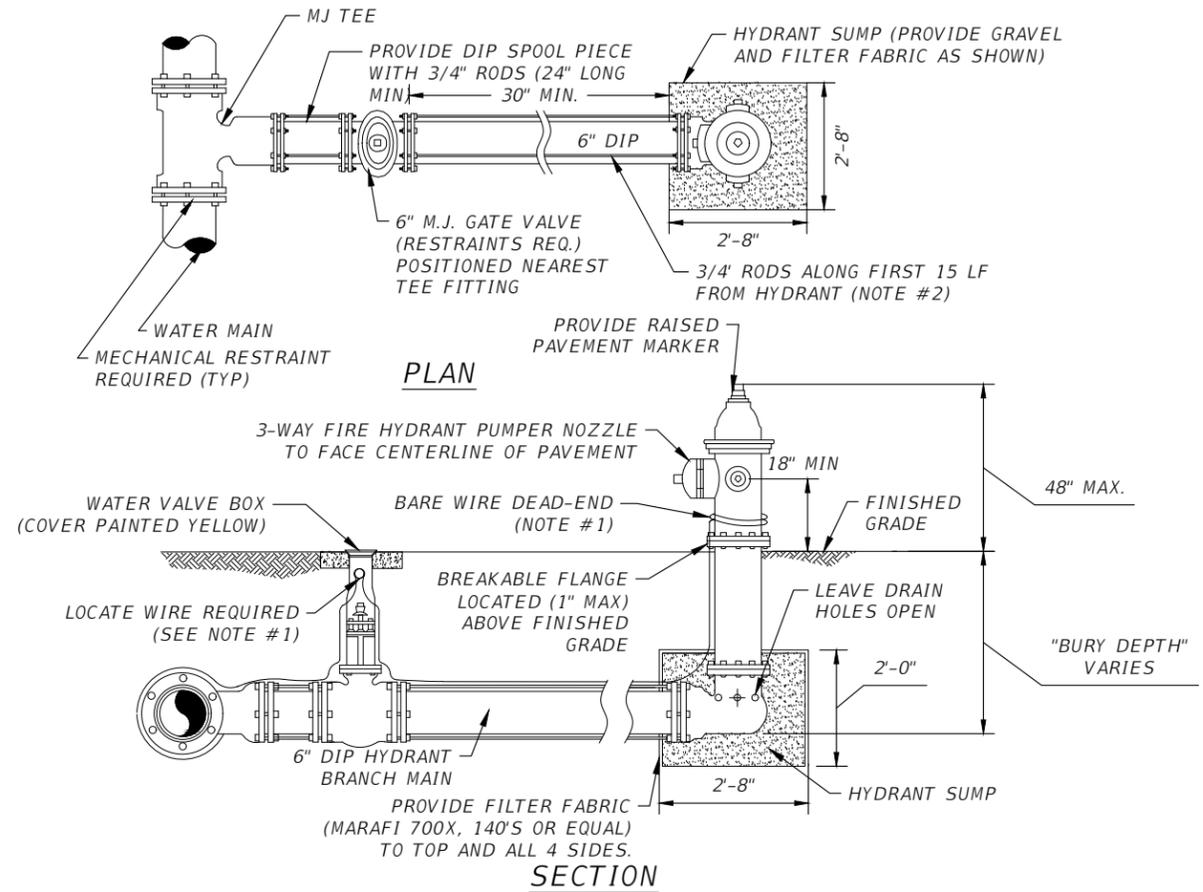
SEE NOTES #1 & #2



NOTES:

- PAINT TOP OF THE COVER WITH ENAMEL PAINT (BLUE COLOR) FOR WATER.
- LID WEIGHT: APPROX. 12 LBS.

**WT15** WATER VALVE BOX COVER  
SCALE: N.T.S

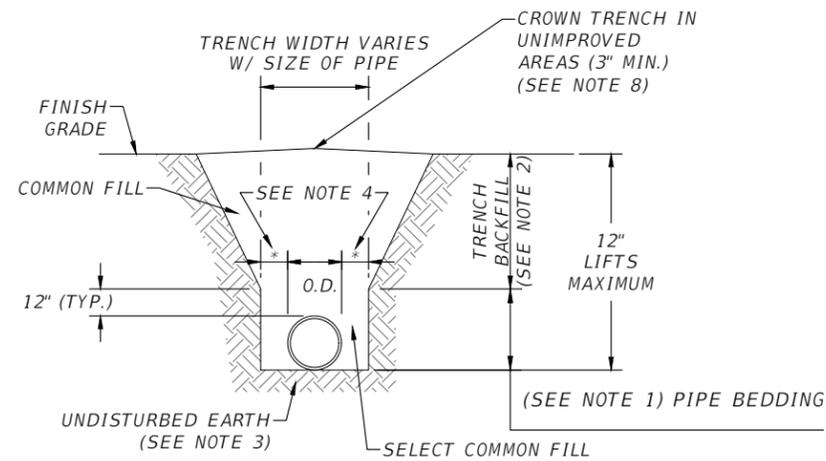


NOTES:

- LOCATE WIRE SHALL BE ROUTED FROM THE VALVE TO THE HYDRANT AS SHOWN ABOVE LEAVING ENOUGH SLACK TO REACH 4' ABOVE FINAL GRADE. THE END OF THE WIRE SHALL BE SECURED TO THE PIPE MAIN.
- FIRE HYDRANTS SHALL BE INSTALLED AT BACK OF SIDEWALK. THE DISTANCE RANGE FROM EDGE OF ADJACENT PAVEMENT, AND FACE OF SIDEWALK SHALL BE IN COMPLIANCE WITH LOCAL COUNTY FIRE DEPARTMENT RULES AND AS APPROVED BY APPLICABLE PERMITTING AGENCIES. DISTANCE SHALL BE MEASURED TO THE CLOSEST PART OF THE FIRE HYDRANT (I.E. THE PUMPER NOZZLE). THE MAXIMUM DISTANCE (EDGE OF PAVEMENT) SHALL BE IN COMPLIANCE WITH LOCAL COUNTY FIRE DEPARTMENT RULES. FOR OTHER LOCATION LIMITATIONS. IF PIPING BETWEEN TEE AND HYDRANT IS LONGER THAN 80 LF, AN ADDITIONAL 6\"/>
- OPERATION OF THE FIRE HYDRANT SHALL BE EITHER FULL OPEN POSITION OR TOTALLY CLOSED POSITION. THE HYDRANT SHALL NOT BE UTILIZED TO THROTTLE OUTLET FLOW.
- PRIOR TO PROJECT FINAL INSPECTION, THE HYDRANT AND ALL ABOVE GROUND PIPING SHALL BE RE-OILED, GREASED AND REPAINTED (RUS- KIL ENAMEL-INTERNATIONAL YELLOW OR EQUAL). PRIVATELY OWNED AND MAINTAINED FIRE HYDRANTS SHALL BE PAINTED RED.
- FIRE HYDRANTS SHALL BE AVK SERIES 27 WITH (2) 2 1/2\"/>

**WT04** FIRE HYDRANT INSTALLATION USING MECHANICAL JOINT TEE  
SCALE: N.T.S

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		

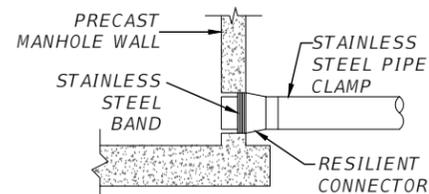


NOTES:

1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. PIPE BEDDING UTILIZING SELECT COMMON FILL OR BEDDING ROCK WILL BE REQUIRED IF OVER-EXCAVATION OCCURS.
4. (\*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. PROVIDE TRENCH SLOPING AND BRACING AS REQUIRED FOR SAFETY.
8. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTORATION WITHIN PAVED AREAS SHALL COMPLY WITH THE REQUIREMENTS OF THE ROAD CONSTRUCTION SPECIFICATIONS.

TRENCH AND BACKFILL DETAILS

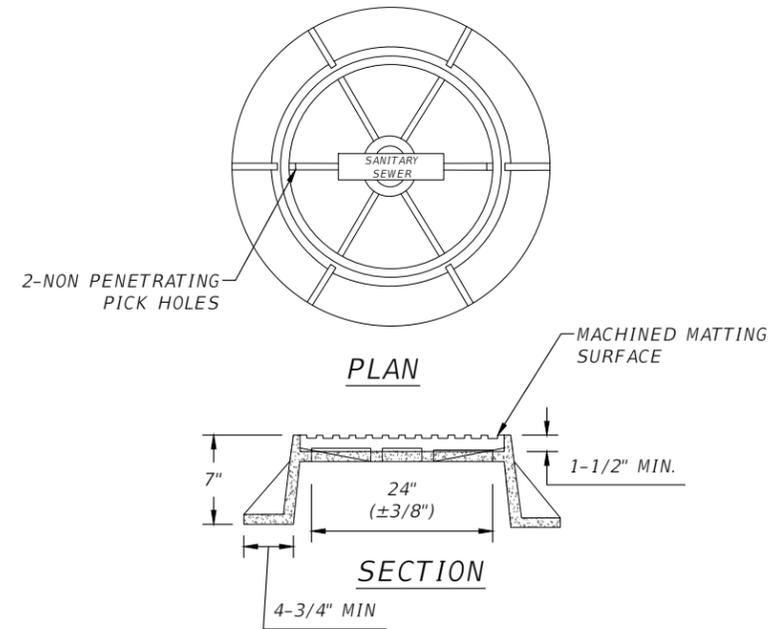
SCALE: N.T.S



NOTES:

1. MANHOLE SHOWN IS FOR SEWER SIZE 8" THRU 24".
2. APPROVED CONCENTRIC CONE DESIGN MAY BE USED AS AN ALTERNATIVE.
3. BOTH THE INTERIOR AND EXTERIOR SURFACES OF THE MANHOLE SHALL BE COATED WITH EPOXY COAL TAR. DO NOT COAT JOINT OR PIPE OPENING SURFACES.
4. DROP CONNECTIONS ARE REQUIRED WHENEVER INVERT OF INFLUENT SEWER IS 24" OR MORE ABOVE THE INVERT OF THE MANHOLE. SEE DETAIL.
5. DROP PIPE AND FITTINGS SHALL BE OF EQUAL SIZE AND MATERIAL AS THE INFLUENT SEWER.

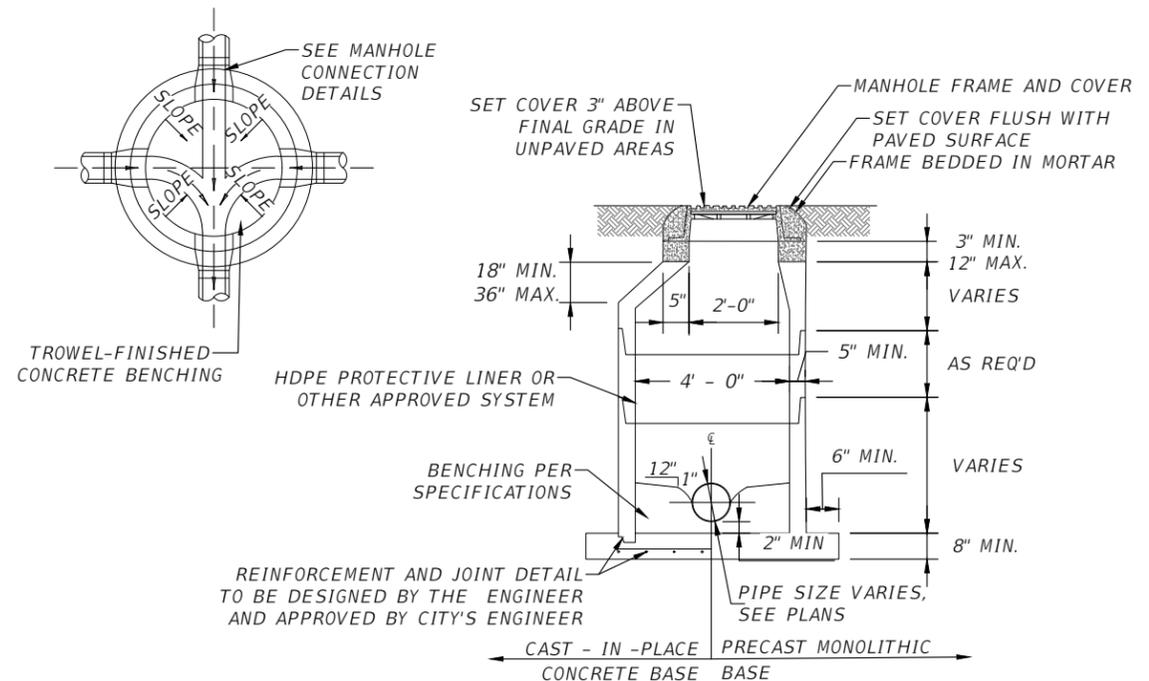
SN07 STANDARD MANHOLE CONNECTION  
SCALE: N.T.S



SN04 STANDARD MANHOLE COVER DETAIL  
SCALE: N.T.S

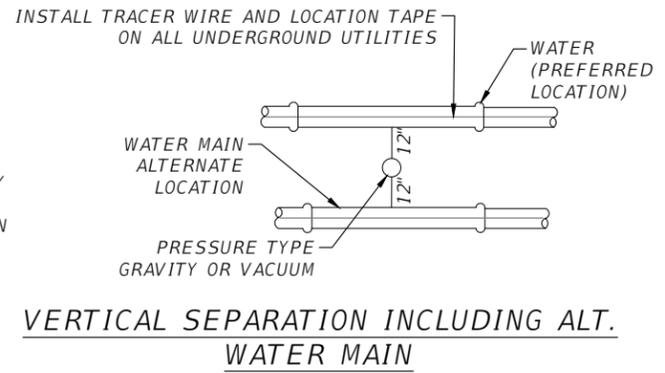
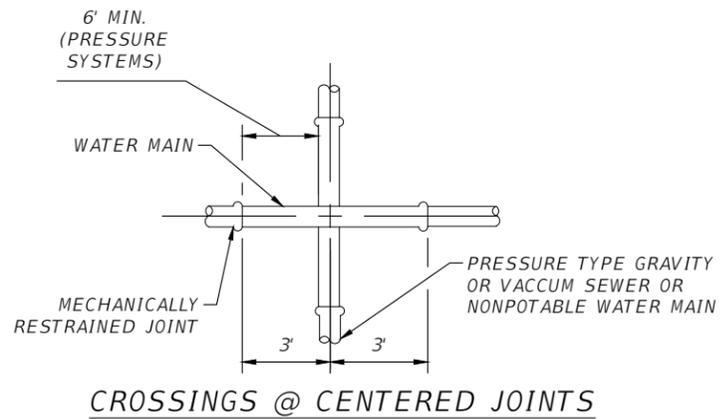
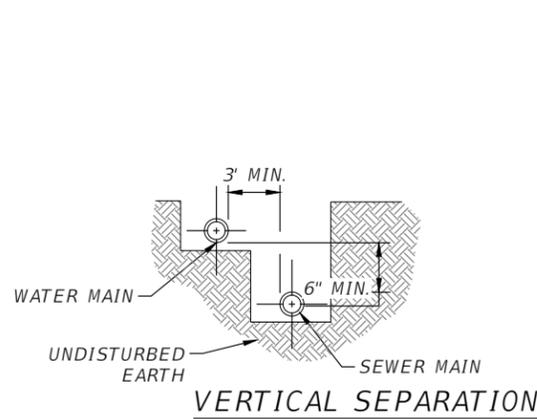
NOTES:

1. MANHOLE SHOWN IS FOR SEWER SIZE 8" THRU 18", MANHOLE DIAMETER FOR SEWERS GREATER THAN 18" SHALL BE AS APPROVED BY CITY'S ENGINEERS.
2. DROP CONNECTIONS ARE REQUIRED WHENEVER INVERT OF INFLUENT SEWER IS 24" OR MORE ABOVE THE INVERT OF THE MANHOLE. SEE DETAIL SN06.
3. APPROVED CONCENTRIC CONE DESIGN MAY BE USED AS AN ALTERNATIVE.
4. ALL MANHOLES SHALL HAVE HDPE PROTECTIVE LINERS OR OTHER APPROVED SYSTEM.



SN05 PRECAST CONCRETE MANHOLE DETAIL  
SCALE: N.T.S

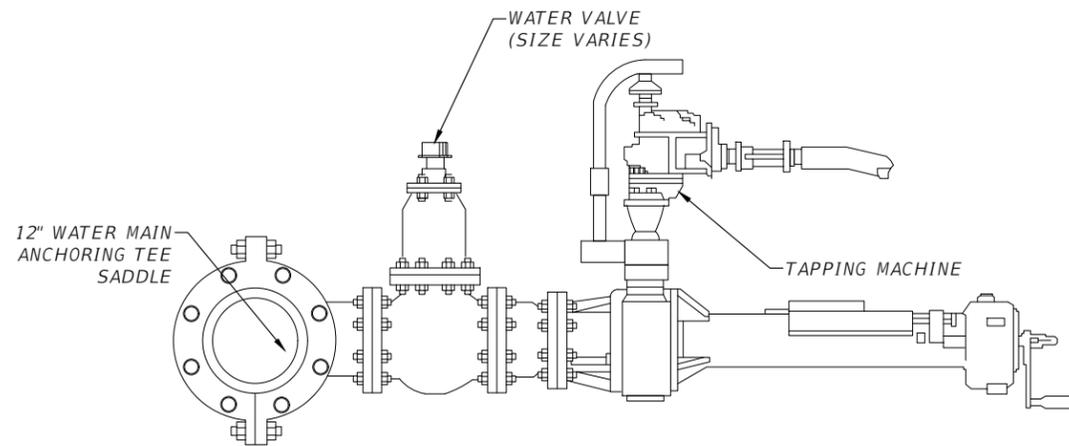
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		



**NOTES:**

1. THE MINIMUM HORIZONTAL DISTANCE BETWEEN THE OUTSIDE OF A WATER MAIN AND SEWER MAIN SHALL BE 6' WITH A PREFERRED 10' SEPARATION.
2. WHERE A 10 FOOT PARALLEL SEPARATION CANNOT BE MAINTAINED BETWEEN A WATERMAIN AND A SEWER MAIN OR NON-POTABLE WATER MAIN, THEN THE WATER MAIN SHALL BE LAID IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF AT LEAST 6 INCHES ABOVE THE TOP OF THE SEWER MAIN OR NON-POTABLE WATER MAIN. THE HORIZONTAL SEPARATION SHALL BE NO LESS THAN 3'.
3. WHEN A SEWER MAIN AND A WATER MAIN CROSS, THE WATERMAIN SHOULD BE A MINIMUM OF 3' ABOVE OR BELOW THE SEWER.
4. FOR ALL PIPE CROSSINGS, THE PIPE JOINTS SHALL BE ARRANGED SO THAT ALL PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING WITH NO LESS THAN SIX FEET BETWEEN ANY TWO JOINTS.
5. IF THE HORIZONTAL OR VERTICAL CLEARANCE LISTED HEREIN CANNOT BE ACHIEVED THE WATERMAIN CAN BE ENCASED IN 4" OF CONCRETE.

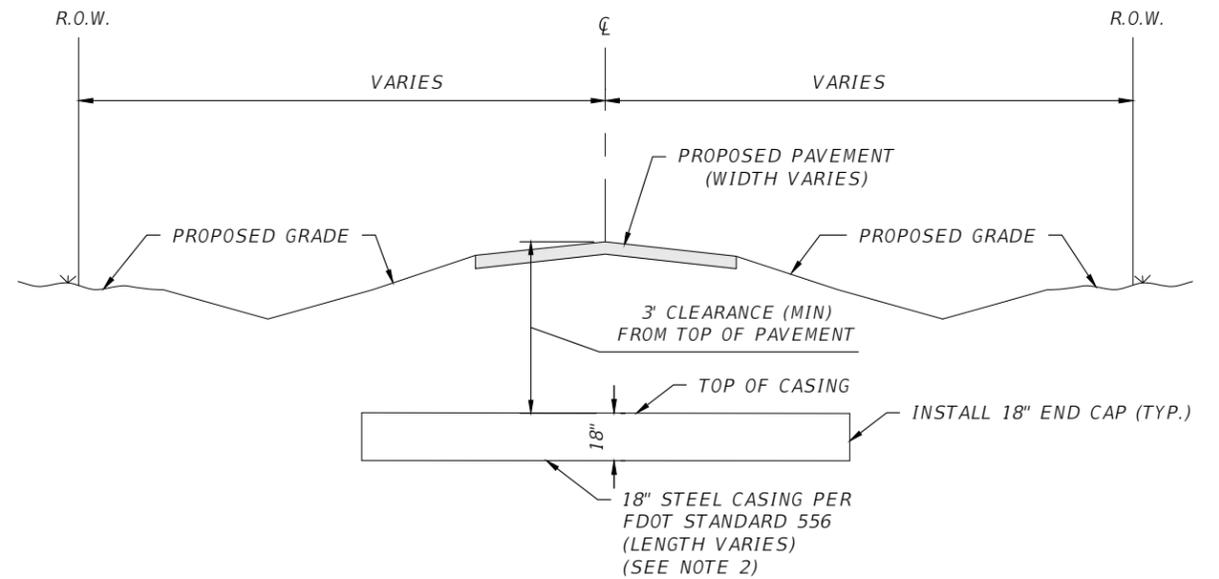
**WT08 WATER/SEWER SEPARATION DETAILS**  
SCALE: N.T.S



**WT12 WET TAP AND SADDLE ASSEMBLY**  
SCALE: N.T.S

**NOTES**

1. WET TAP ONLY POTABLE WATER LINES AS SHOWN IN PLANS.

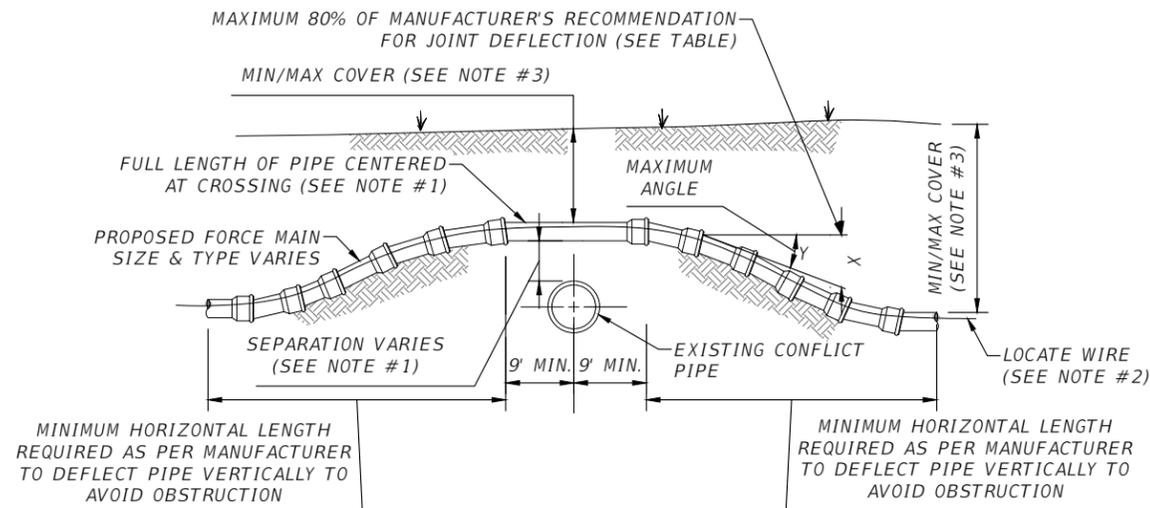


**WT31 TYPICAL WATERMAIN CASING**  
SCALE: N.T.S

**NOTES**

1. CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING UTILITIES AND SHALL RESTORE ALL AREAS DISTURBED BY CONSTRUCTION.
2. EXTEND CASING TO 12' (MIN) BEYOND EDGES OF EXISTING AND PROPOSED PAVEMENT.
3. CONTRACTOR SHALL MAINTAIN 3' COVER (MIN) OVER TOP OF WATERMAIN.

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		



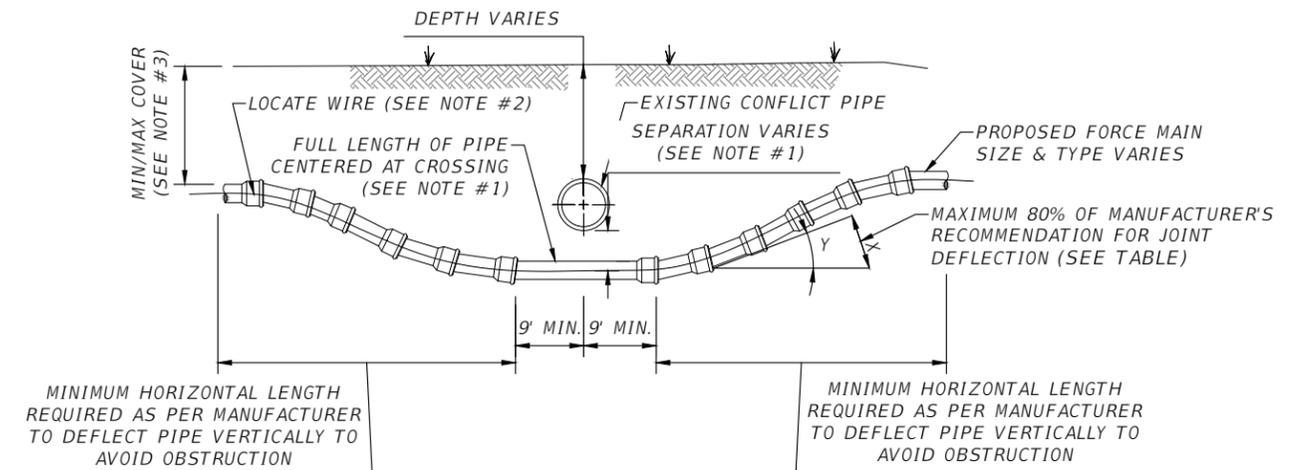
**NOTES:**

1. FOR MINIMUM VERTICAL SEPARATION REQUIREMENTS SEE WT08.
2. LOCATING WIRE REQUIRED.
3. THE COVER OVER ALL PIPING LESS THAN 24" SIZE SHALL BE A MINIMUM OF 30" IN UNPAVED AREAS AND 36" IN PAVED AREAS WITH A MAXIMUM COVER OF 60". COVER FOR PIPING 24" SIZE AND LARGER SHALL BE MINIMUM OF 36" (PAVED AND UNPAVED) AND MAXIMUM OF 84". THE SOILS BETWEEN THE NEW MAIN AND THE CONFLICT PIPE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY THE LABORATORY MODIFIED PROCTOR TEST ASTM D 1557.

MAXIMUM ALLOWED OFFSET FOR PIPE BY JOINT DEFLECTION

PVC PIPE (BELL JOINT)			
PIPE SIZE (IN.)	(X) MAX. OFFSET (IN.)	(Y) ANGLE AT ONE BELL	RESULTING RADIUS OF CURVE WITH 20FT. LENGTHS (FT)
8	10	2.4°	480
10	10	2.4°	480
12	8.50	2°	480

WT24 UTILITY CONFLICT ADJUSTMENT BY DEFLECTION - CASE "A"  
SCALE: N.T.S



**NOTES:**

1. FOR MINIMUM VERTICAL SEPARATION REQUIREMENTS SEE WT08.
2. LOCATING WIRE REQUIRED.
3. THE COVER OVER ALL PIPING LESS THAN 24" SIZE SHALL BE A MINIMUM OF 30" IN UNPAVED AREAS AND 36" IN PAVED AREAS WITH A MAXIMUM COVER OF 60". COVER FOR PIPING 24" SIZE AND LARGER SHALL BE MINIMUM OF 36" (PAVED AND UNPAVED) AND MAXIMUM OF 84". THE SOILS BETWEEN THE NEW MAIN AND THE CONFLICT PIPE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY THE LABORATORY MODIFIED PROCTOR TEST ASTM D 1557.

MAXIMUM ALLOWED OFFSET FOR PIPE BY JOINT DEFLECTION

PVC PIPE (BELL JOINT)			
PIPE SIZE (IN.)	(X) MAX. OFFSET (IN.)	(Y) ANGLE AT ONE BELL	RESULTING RADIUS OF CURVE WITH 20FT. LENGTHS (FT)
8	10	2.4°	480
10	10	2.4°	480
12	8.50	2°	480

WT25 UTILITY CONFLICT ADJUSTMENT BY DEFLECTION - CASE "B"  
SCALE: N.T.S

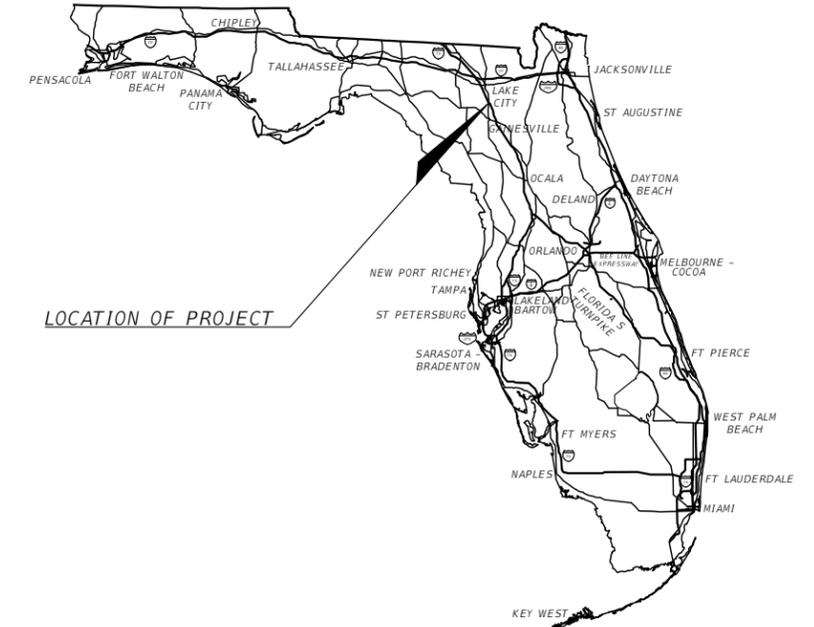
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		U-11
					HOWELL RD	COLUMBIA			

**CONTRACT PLANS**

**HOWELL ROAD &  
ELLISVILLE ACCESS ROAD**

NFPS PROJECT ID L240722CCB

**COLUMBIA COUNTY, FLORIDA**



*INDEX OF UTILITY PLANS - BID ALT 1*

<i>SHEET NO.</i>	<i>SHEET DESCRIPTION</i>
U-01A	KEY SHEET - BID ALT 1
U-02A	OVERALL UTILITY PLAN - BID ALT 1
U-03A	WATER LINE ABANDONMENT
U-04A	SOUTH UTILITY CONNECTION PLAN
U-05A	NORTH UTILITY CONNECTION PLAN - BID ALT 1
U-06A - U-09A	SANITARY PLAN & PROFILE
U-10A - U-12A	WATER PLAN & PROFILE
U-13A - U-16A	UTILITY DETAILS

**UTILITY PLANS**

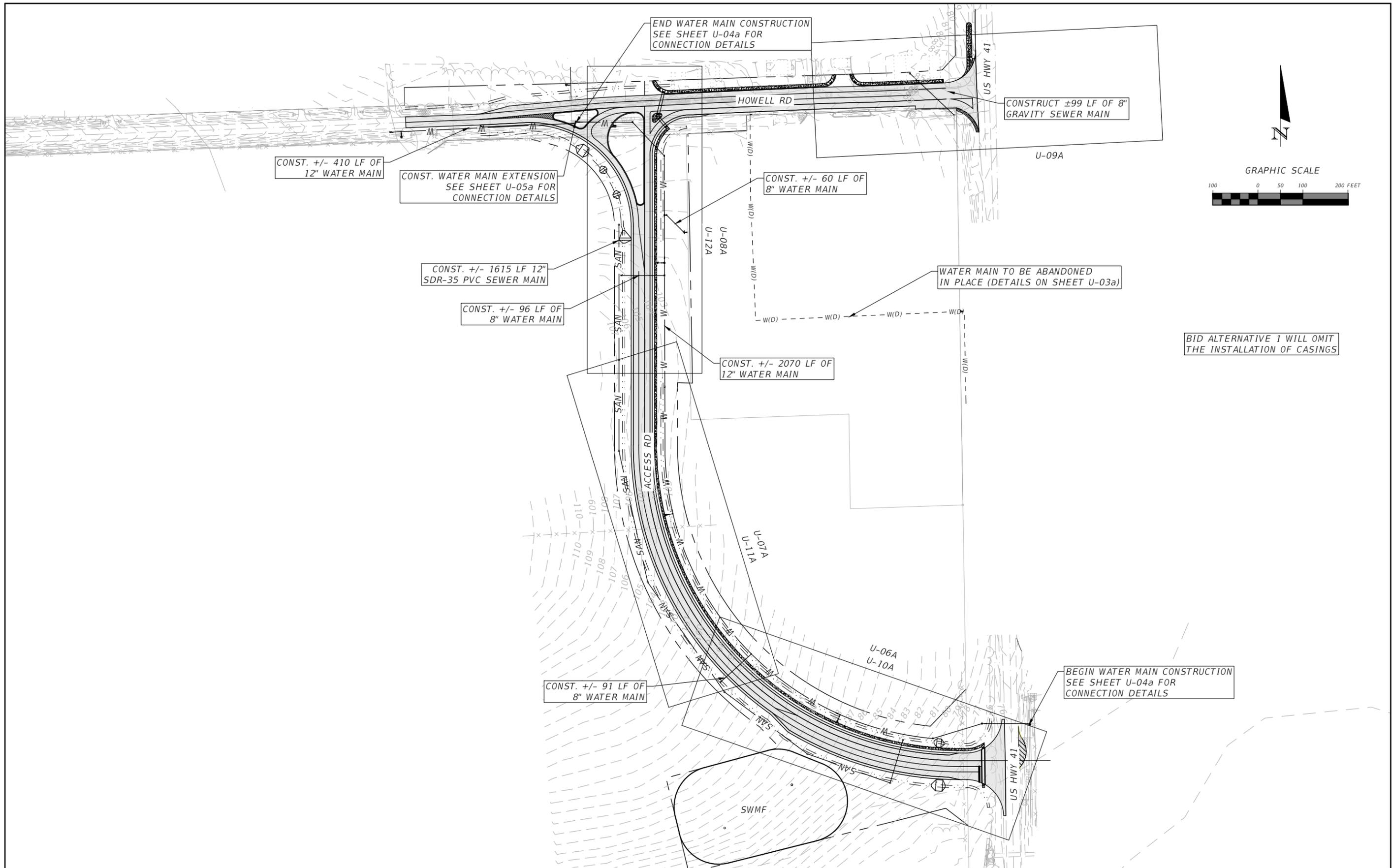
**BID ALTERNATIVE 1**

*GOVERNING CRITERIA IS THE  
COLUMBIA COUNTY UTILITY HANDBOOK*

*UTILITY PLANS - BID ALT 1  
ENGINEER OF RECORD:  
  
RYAN DOUGLAS ASMUS, P.E.  
P.E. NO.:66626  
NORTH FLORIDA PROFESSIONAL SERVICES, INC.  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056  
PHONE: 386-752-4675*

*100% PLANS  
NOT FOR CONSTRUCTION*

<i>FISCAL YEAR</i>	<i>SHEET NO.</i>
25	U-01a



REVISIONS			
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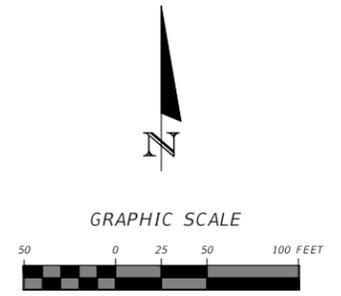
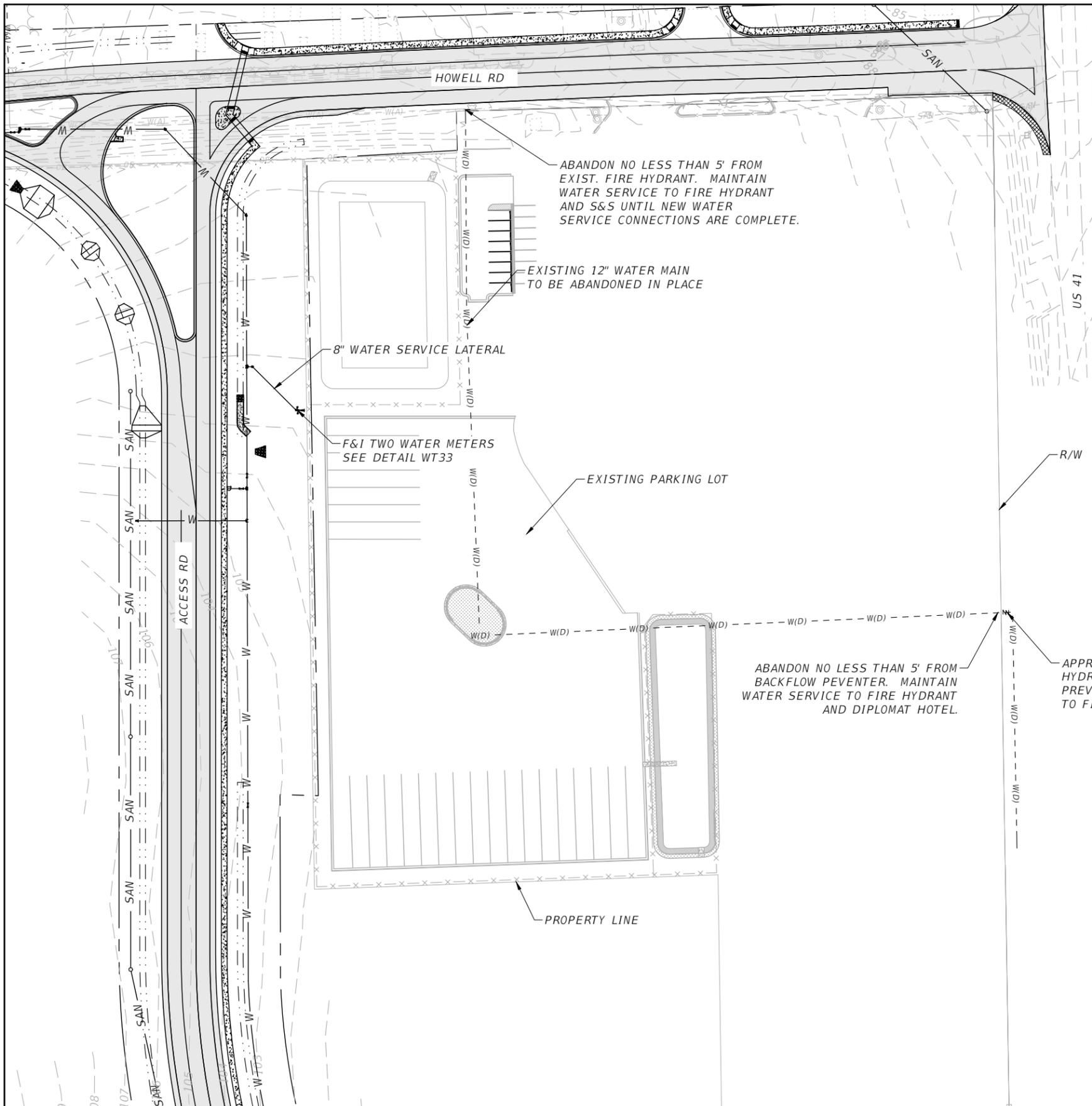
RYAN DOUGLAS ASMUS  
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NFPS  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056

COLUMBIA CO BOCC		
ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID

**OVERALL UTILITY PLAN - BID  
ALT 1**

SHEET NO.  
U-02a

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THE LOCATION FOR THE EXISTING WATER LINE WAS DETERMINED USING A GIS RECORD FILE. THE CONTRACTOR WILL NEED TO FIELD VERIFY THE LOCATION.

REVISIONS			
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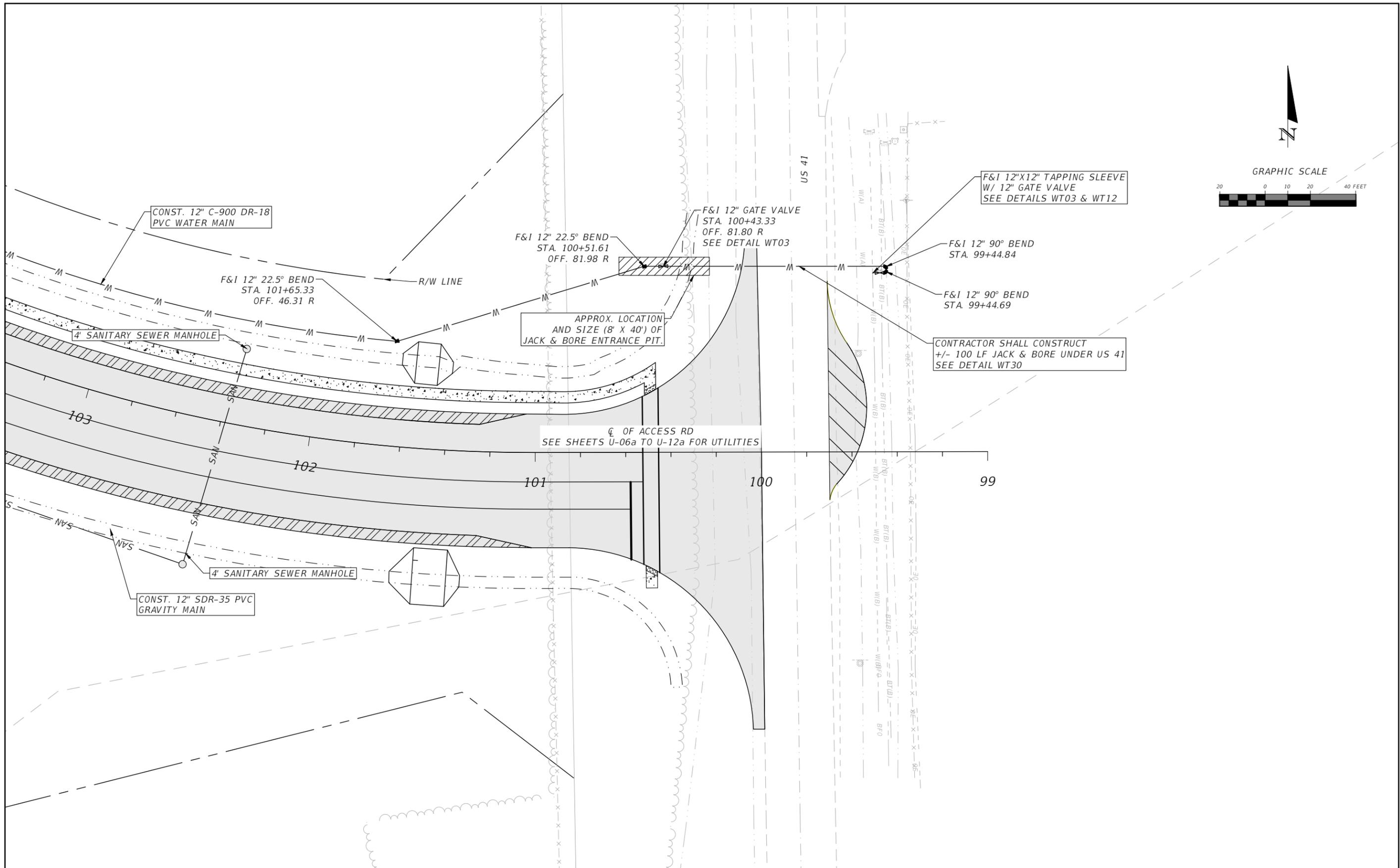
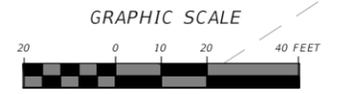
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COLUMBIA CO BOCC		
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**WATER LINE ABANDONMENT**

SHEET NO.  
U-03a

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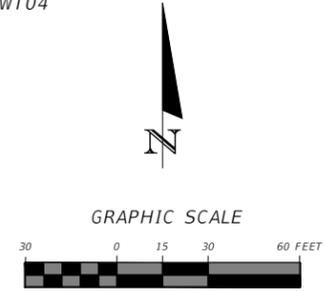
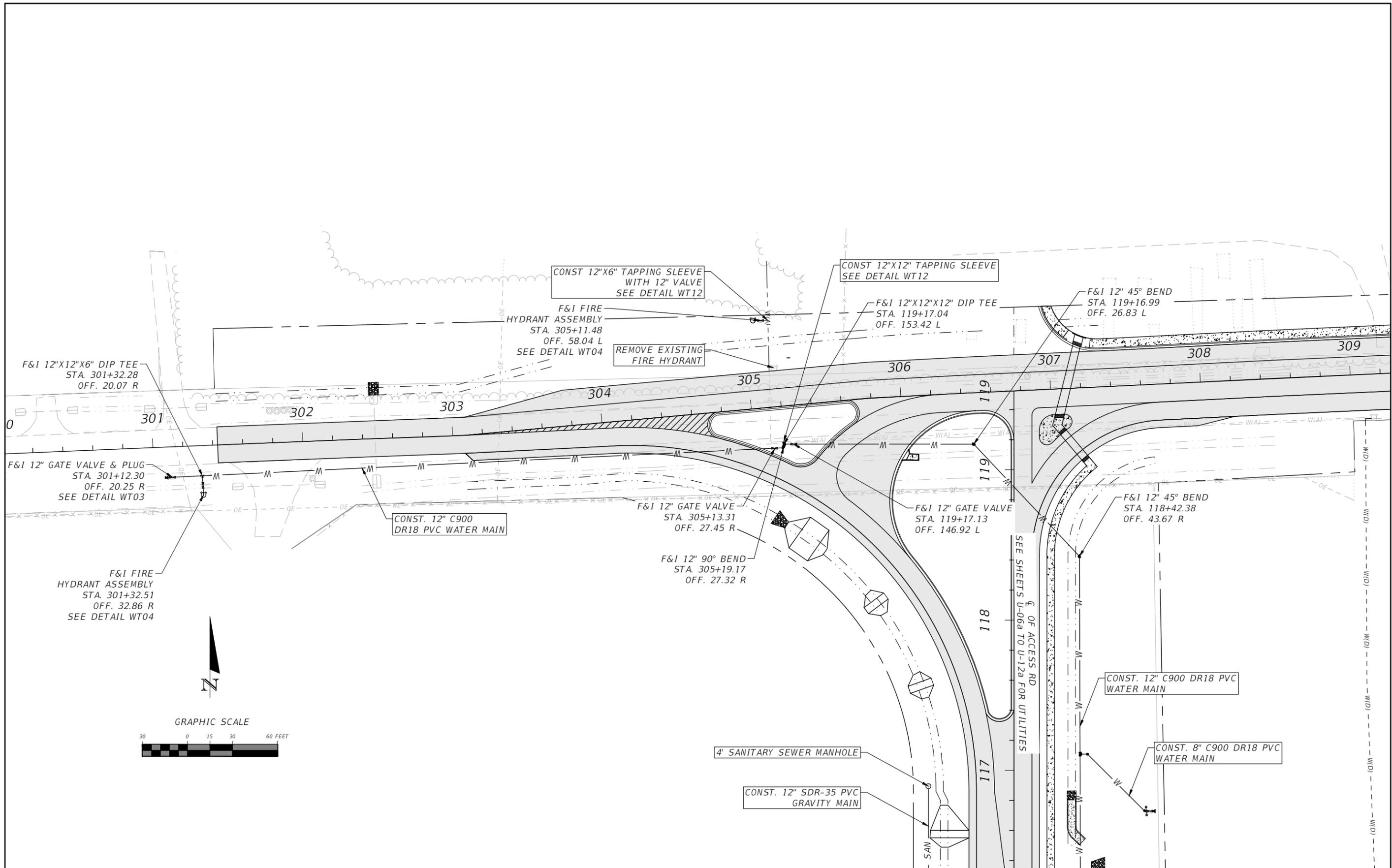
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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**SOUTH UTILITY CONNECTION PLAN**

SHEET NO.  
 U-04a

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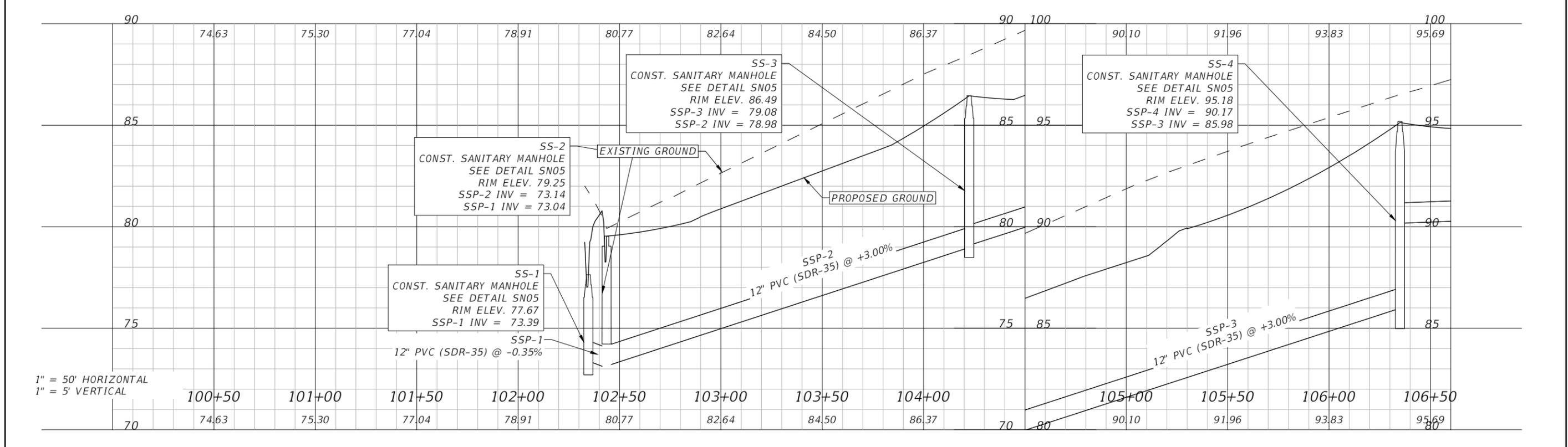
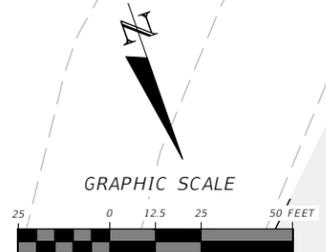
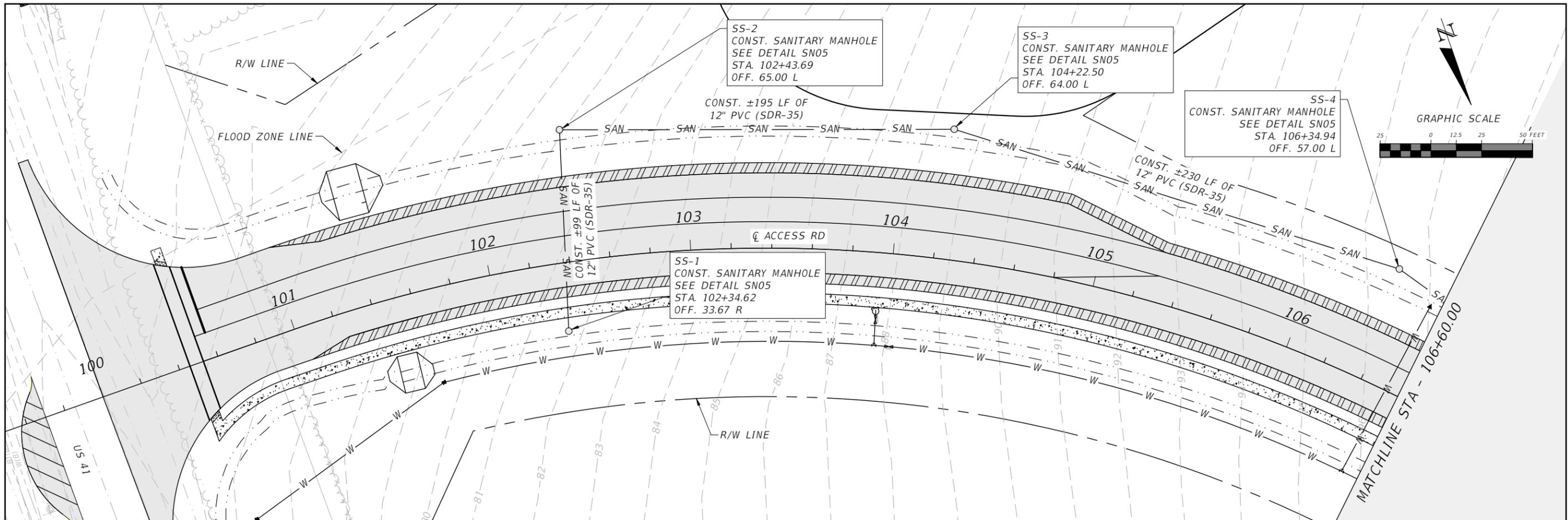
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 LAKE CITY, FLORIDA 32056

COLUMBIA CO BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

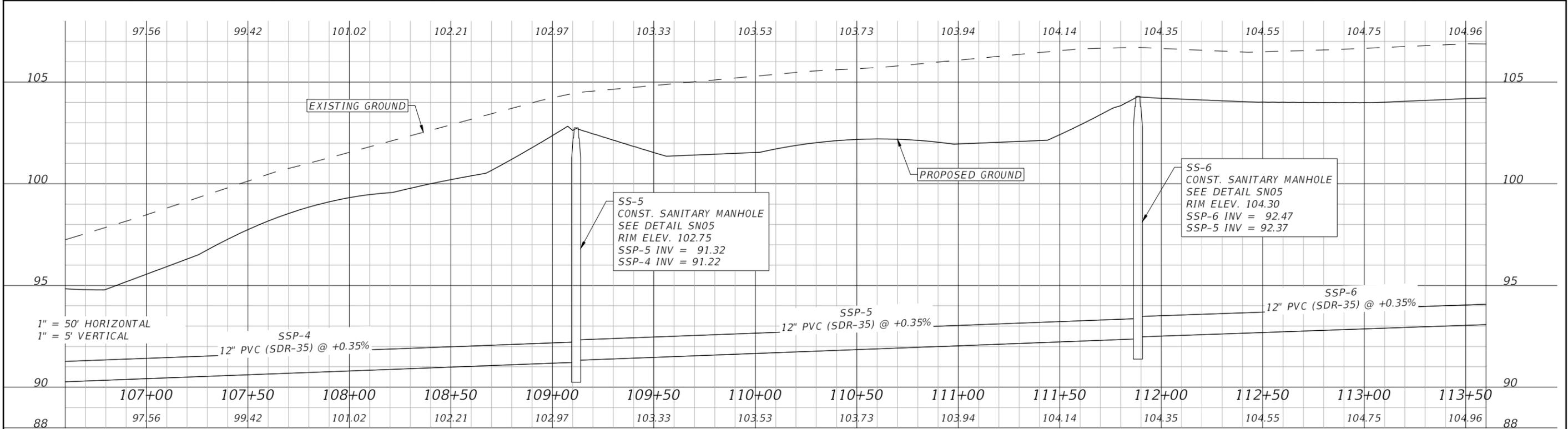
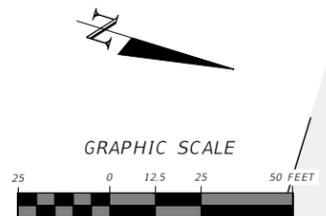
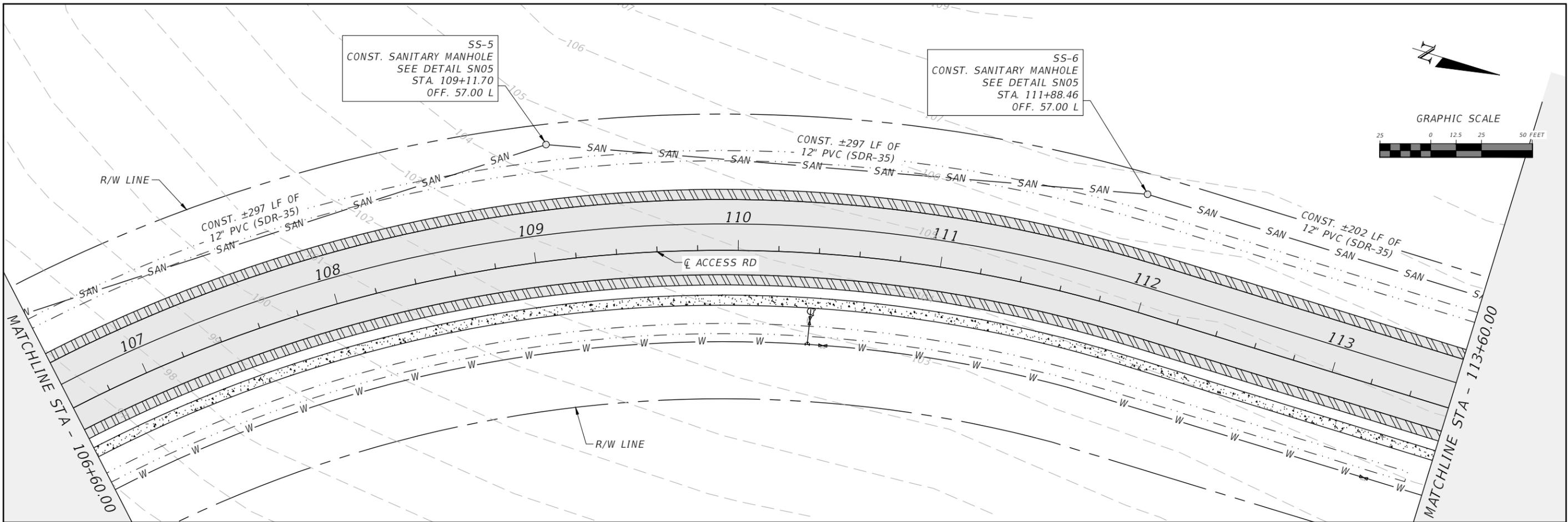
**NORTH UTILITY CONNECTION**  
**PLAN - BID ALT 1**

SHEET NO.  
 U-05a



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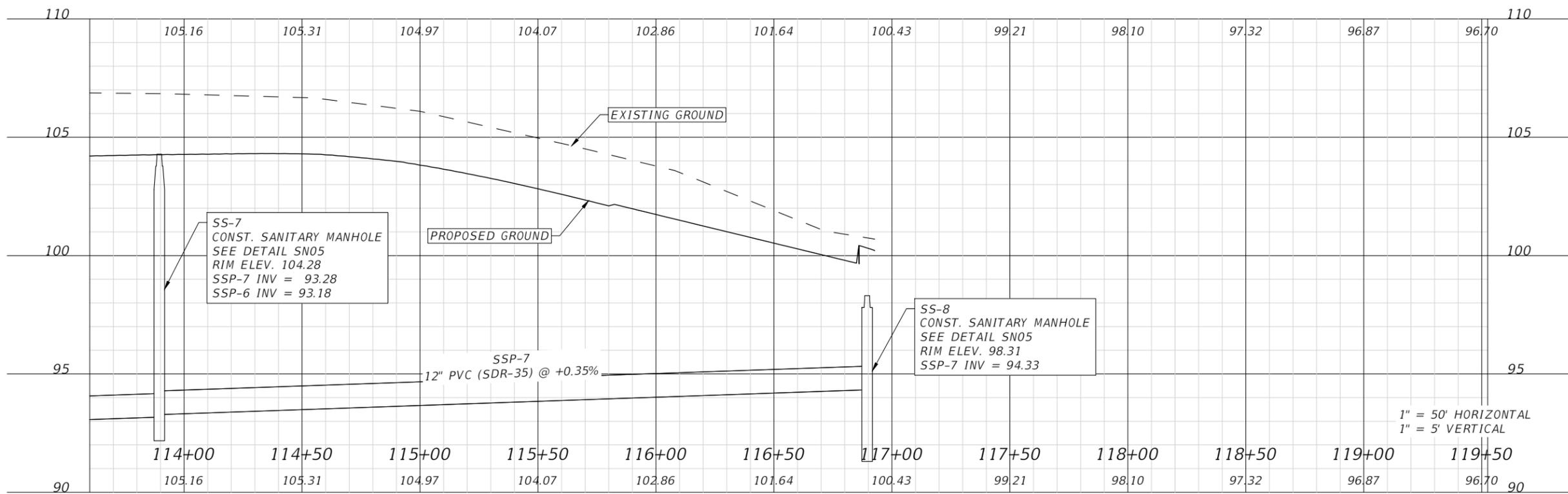
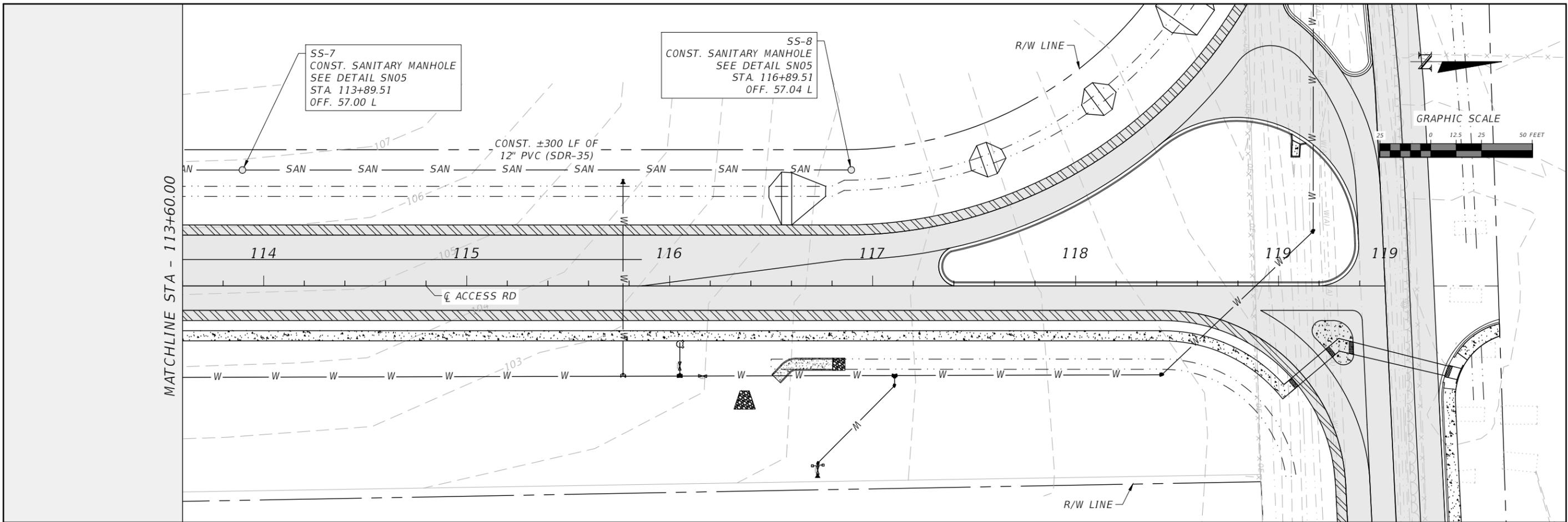
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 P.O. BOX 3823  
 LAKE CITY, FLORIDA 32056

COLUMBIA CO BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWELL RD	COLUMBIA	

**SANITARY PLAN & PROFILE**

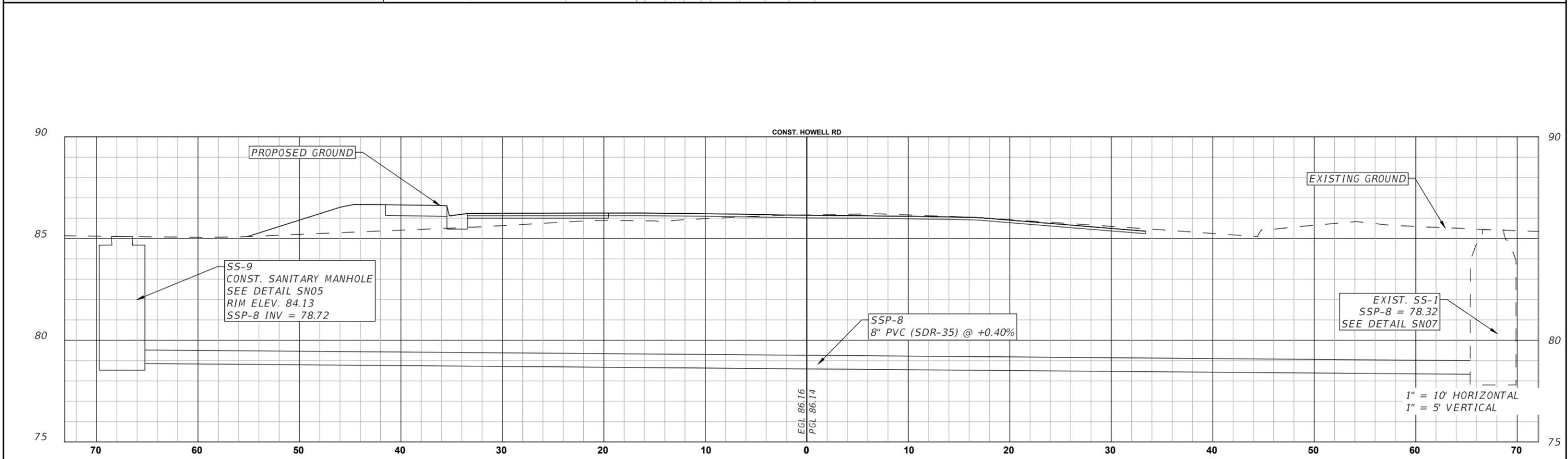
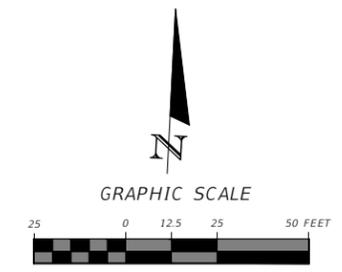
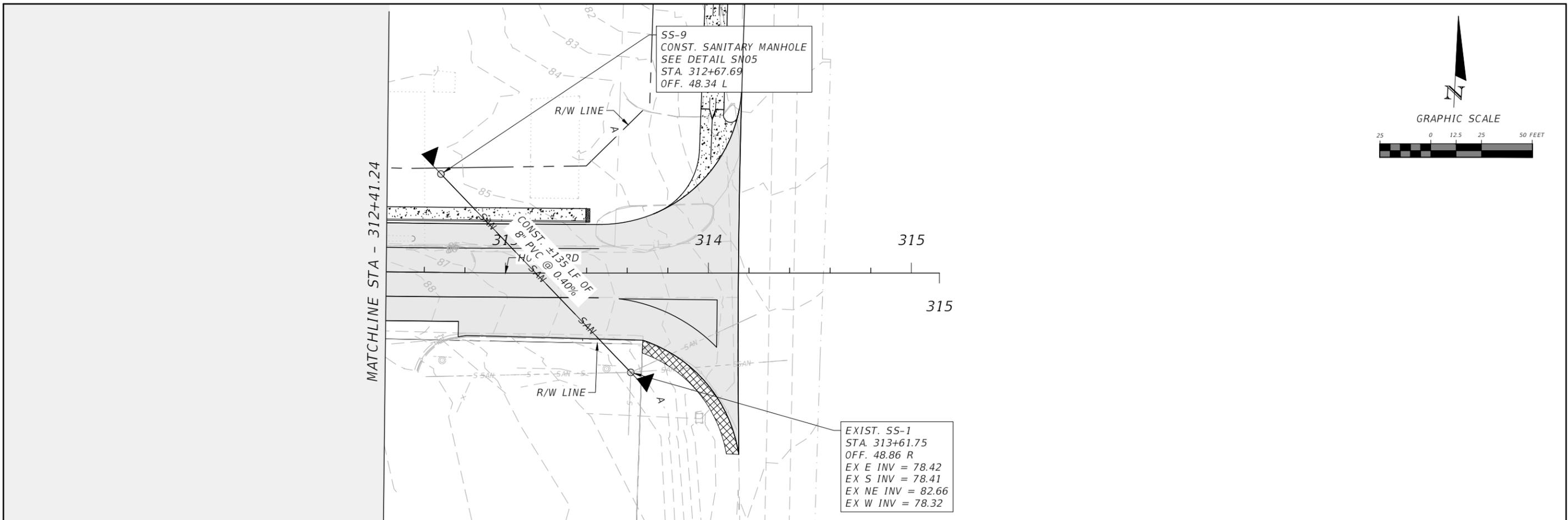
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID		

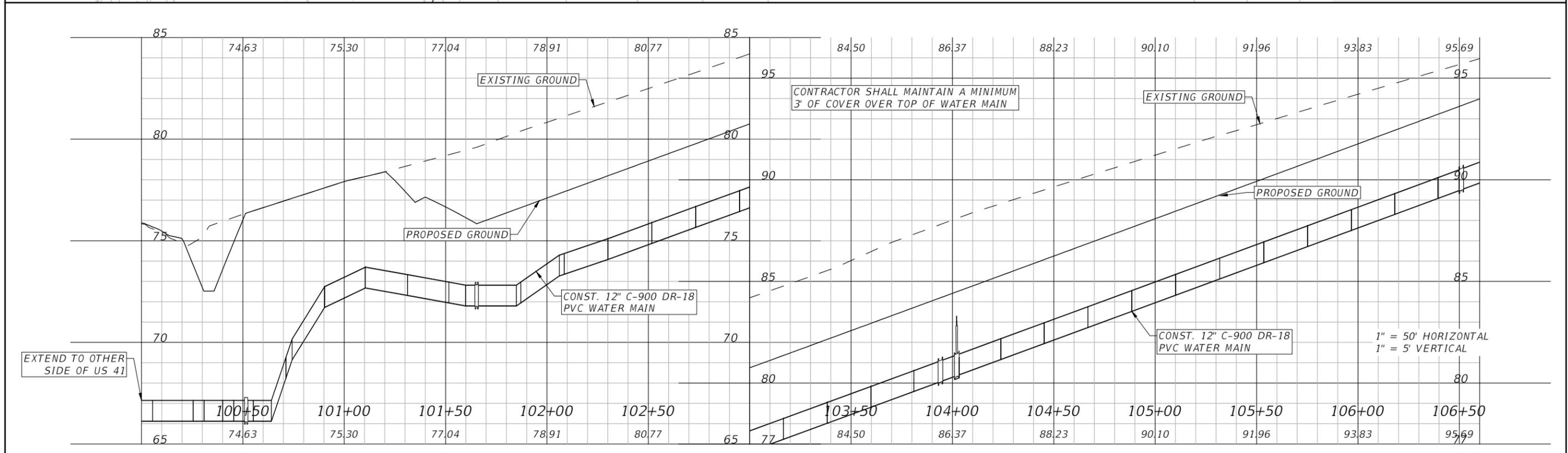
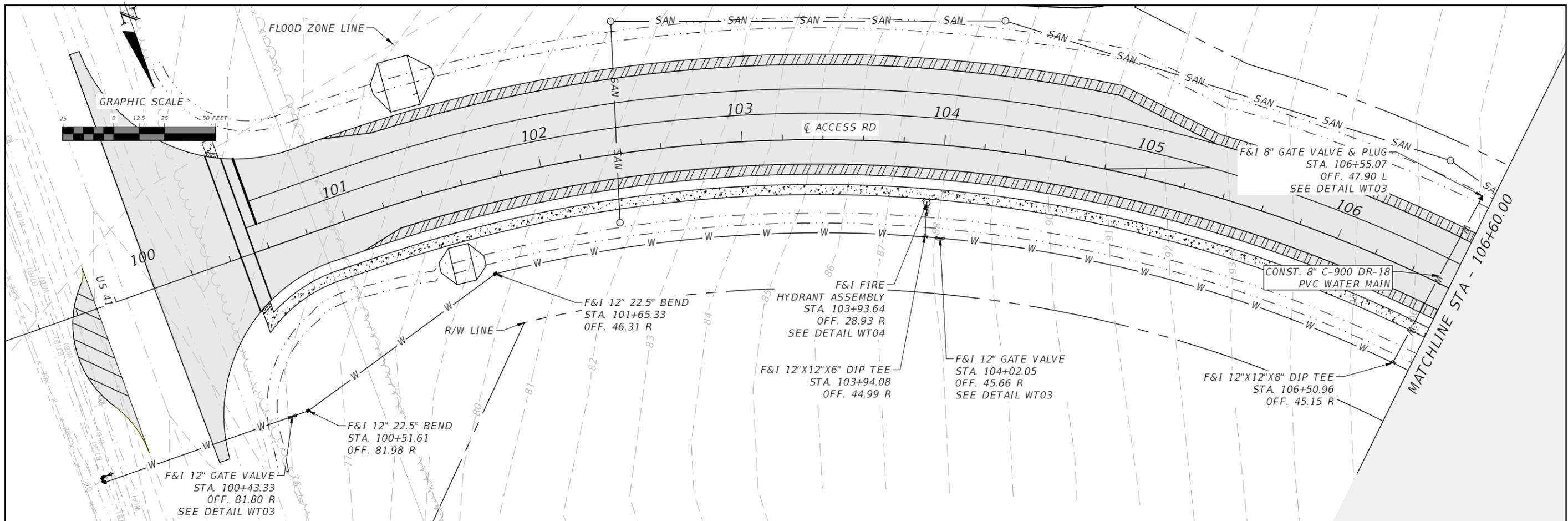
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID	

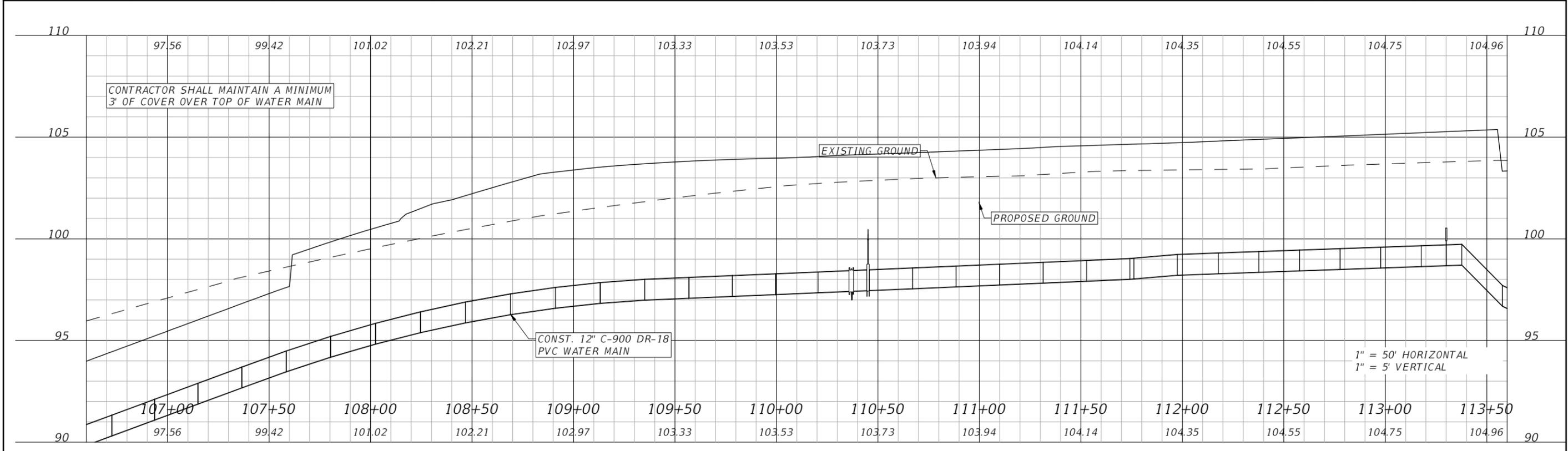
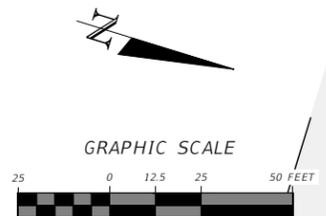
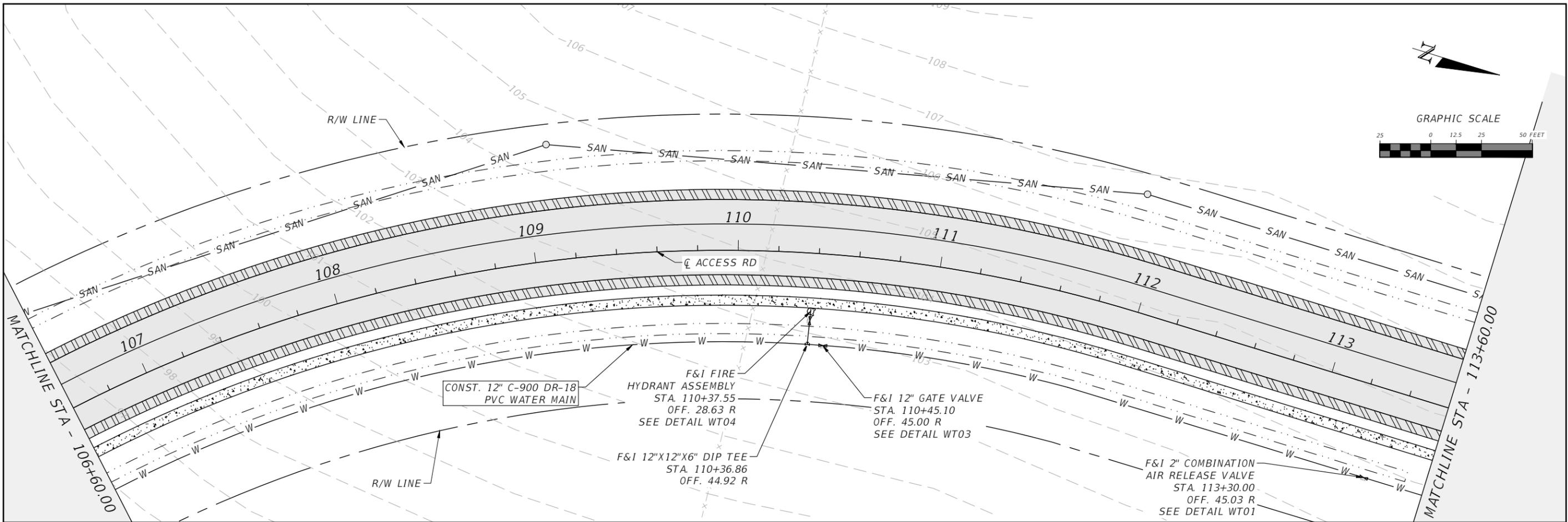
**SANITARY PLAN & PROFILE**

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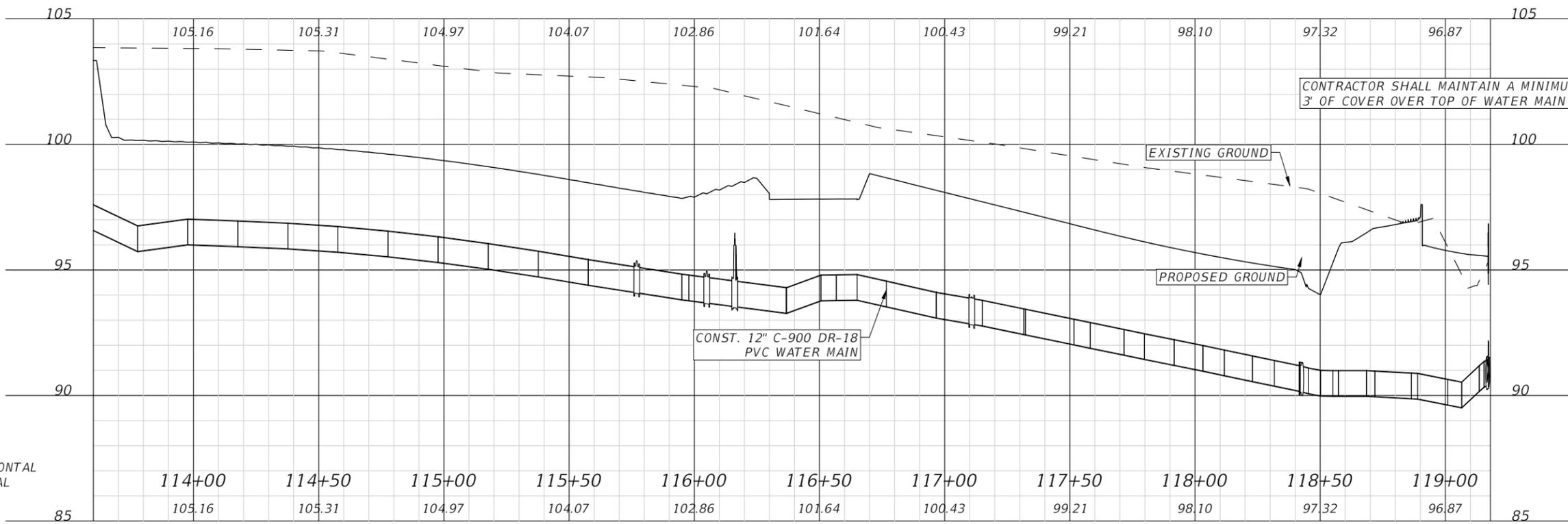
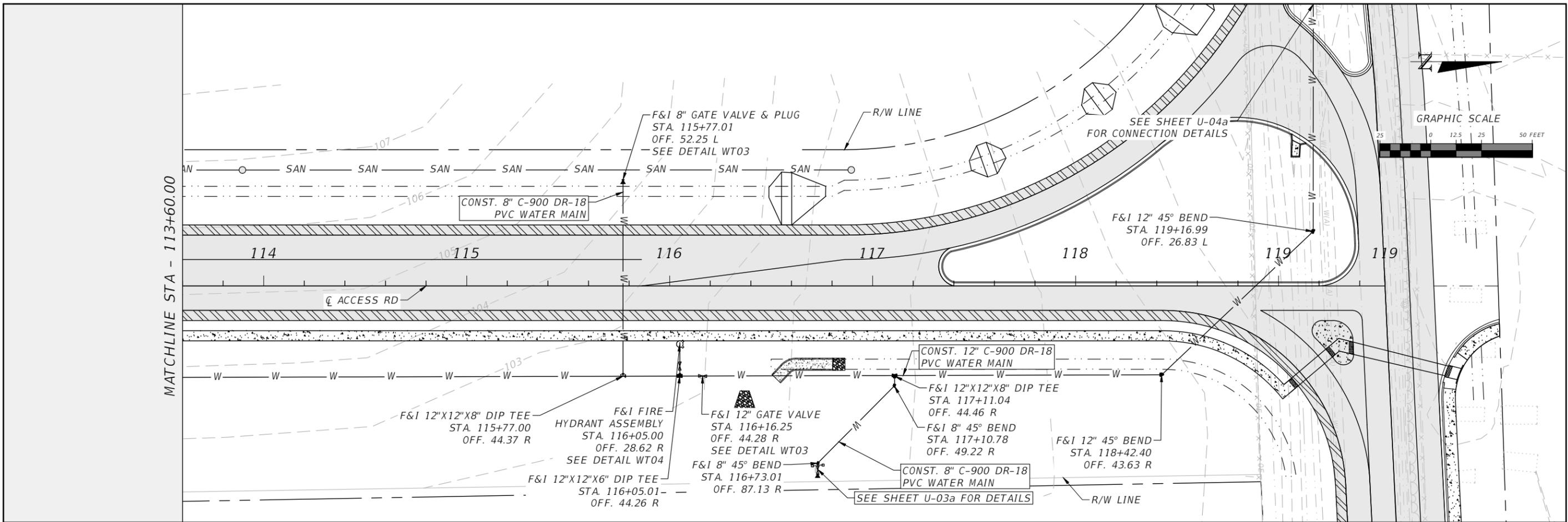
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID	

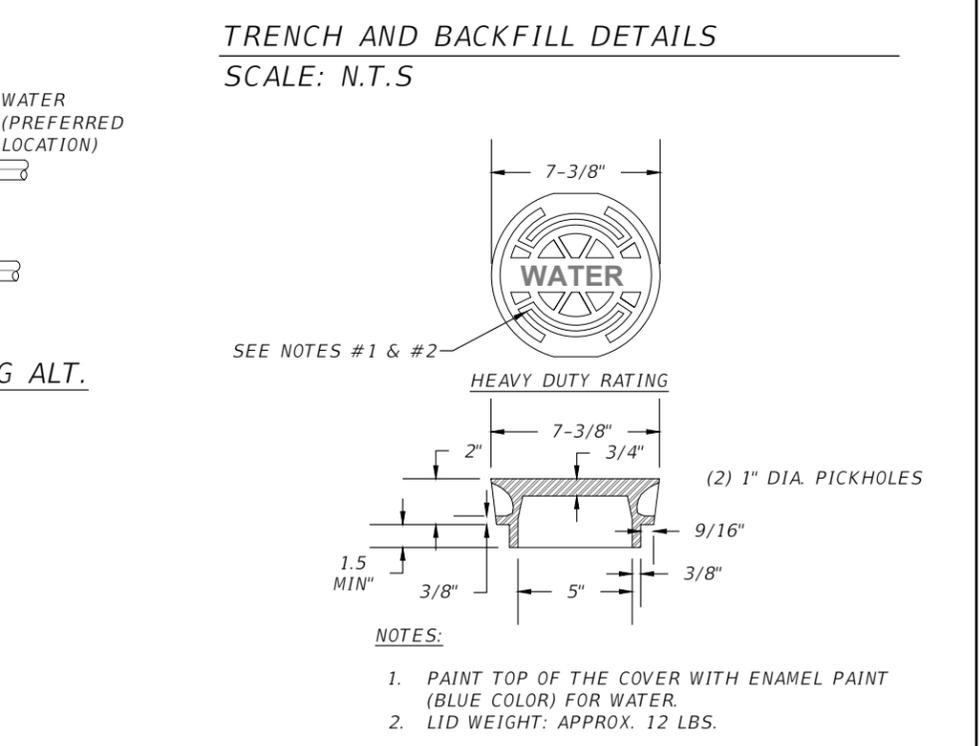
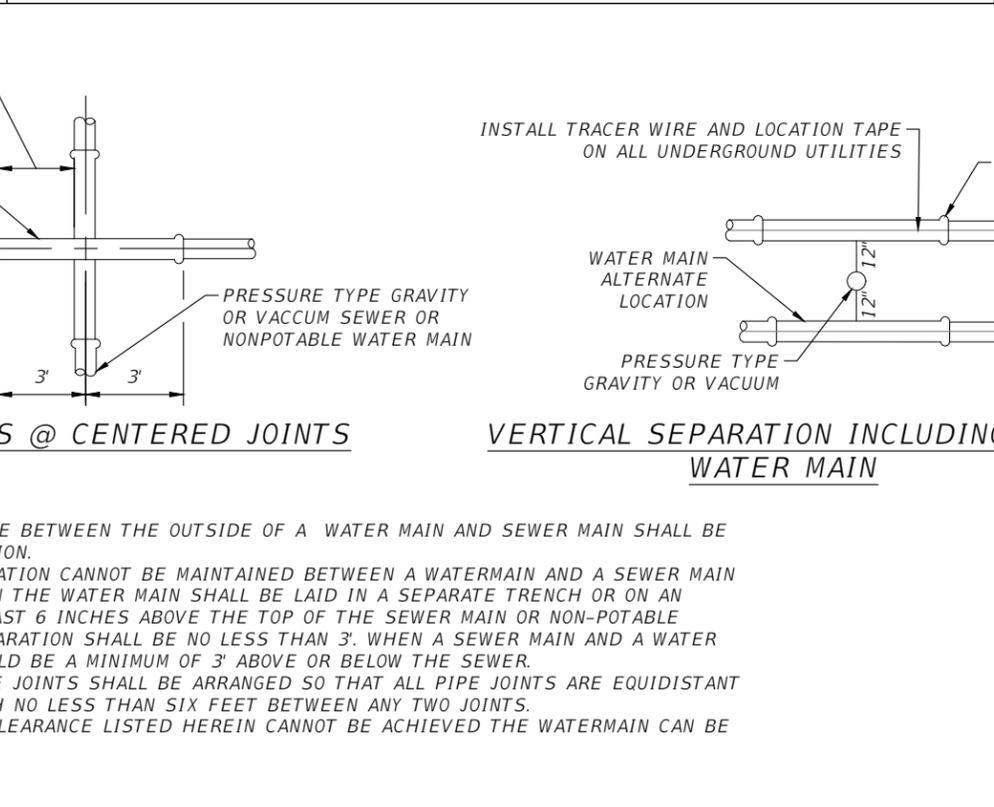
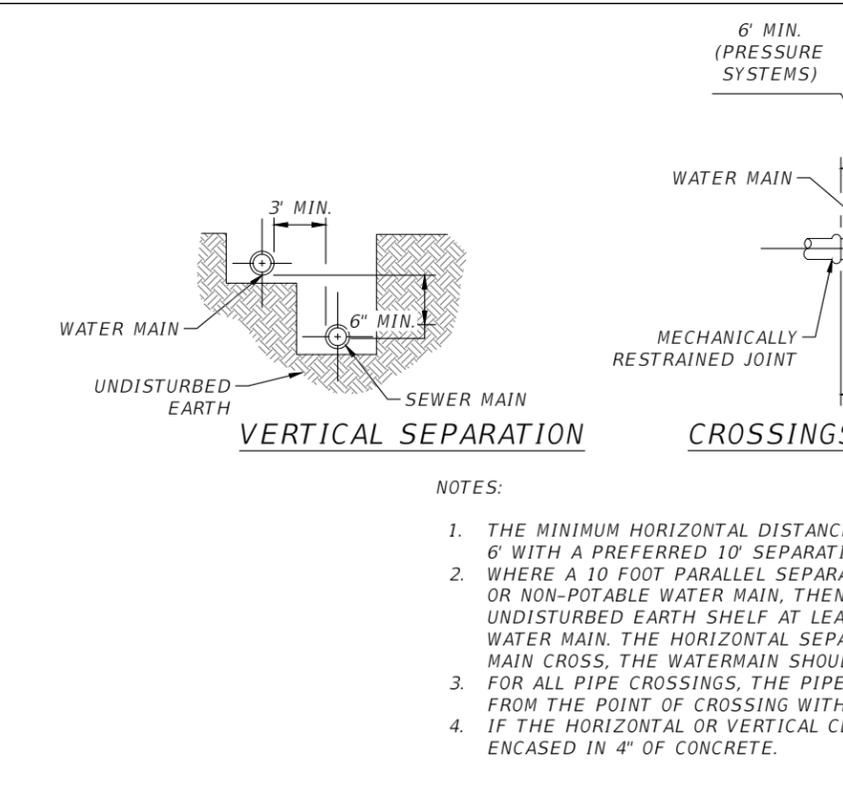
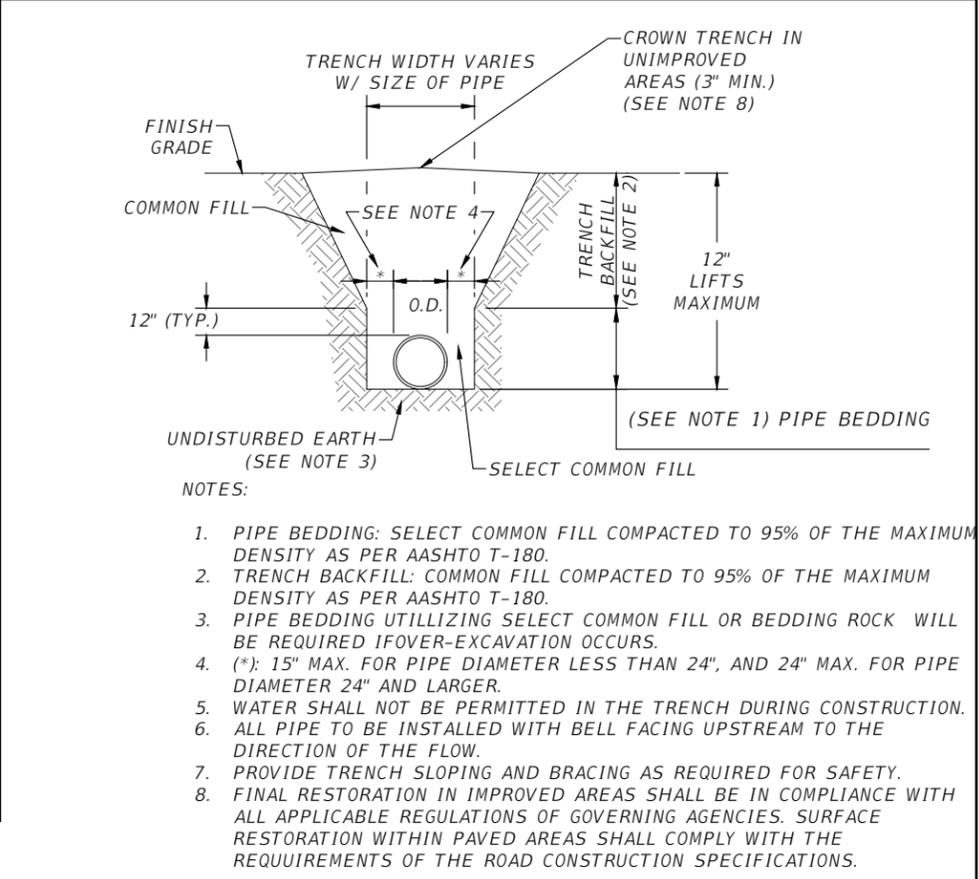
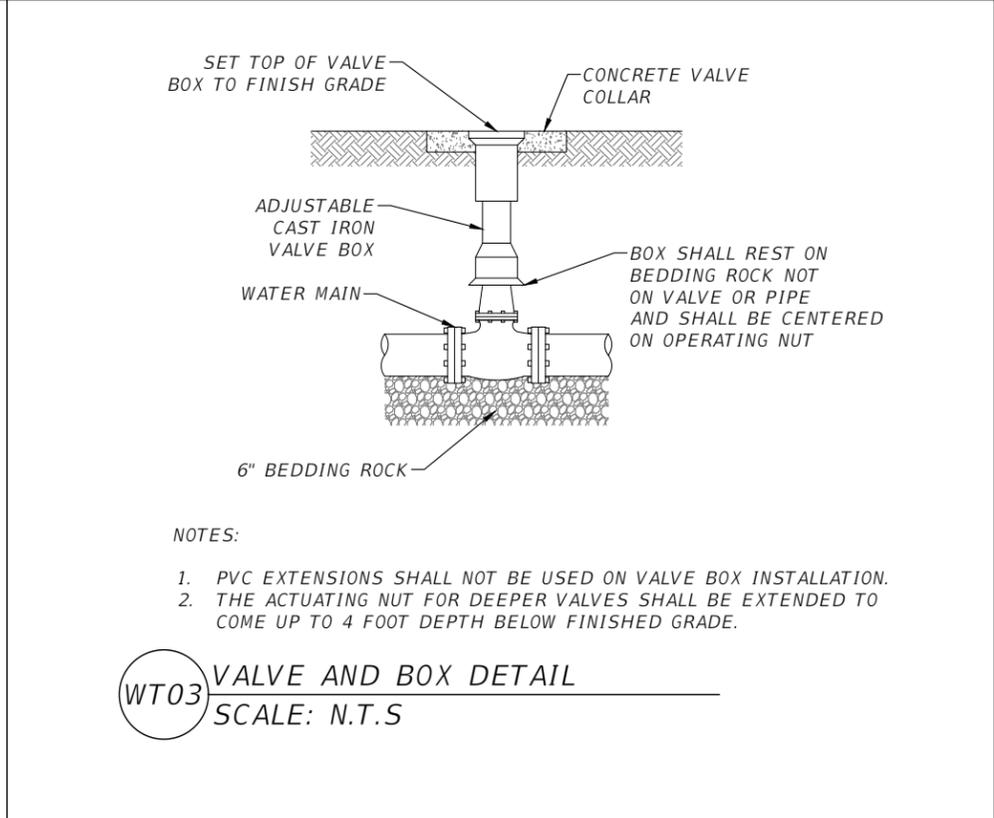
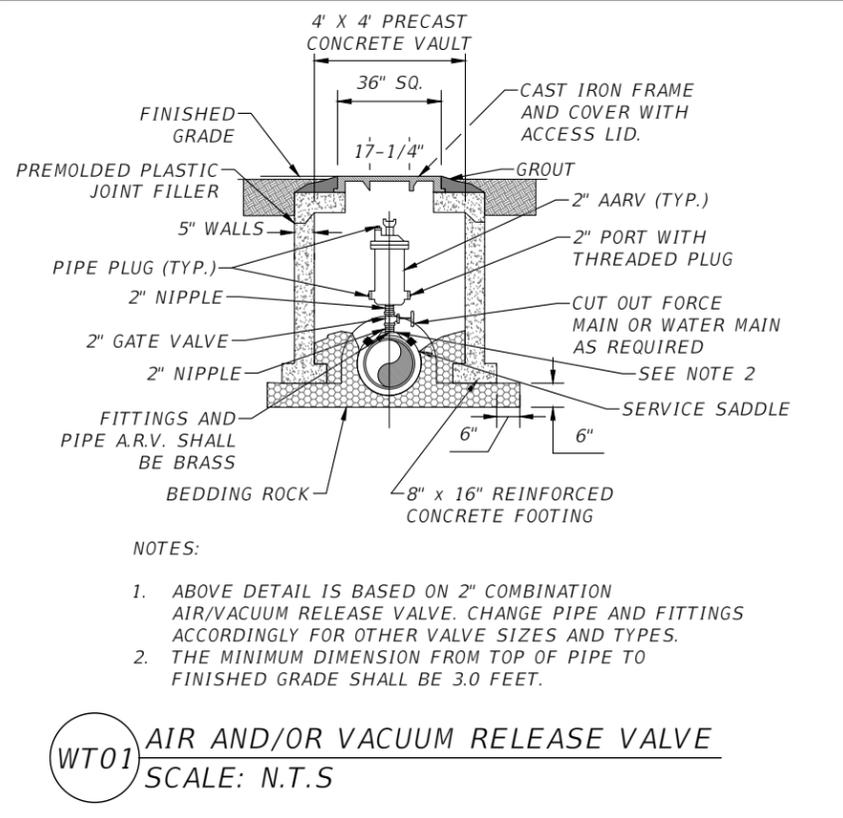
**WATER PLAN & PROFILE**

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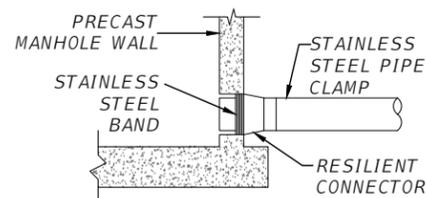
REVISIONS				RYAN DOUGLAS ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056	COLUMBIA CO BOCC			SHEET NO. U-12a
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. HOWELL RD	COUNTY COLUMBIA	FINANCIAL PROJECT ID	

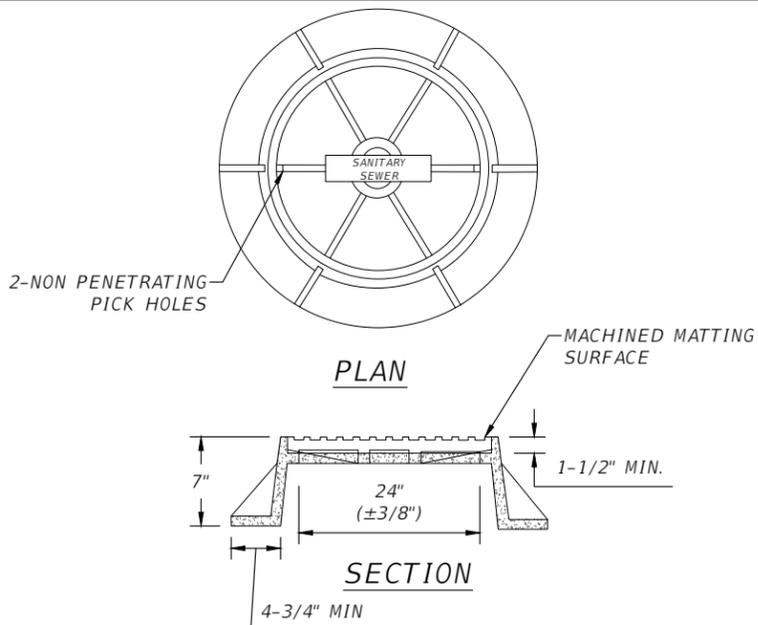
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NOTES:

1. MANHOLE SHOWN IS FOR SEWER SIZE 8" THRU 24".
2. APPROVED CONCENTRIC CONE DESIGN MAY BE USED AS AN ALTERNATIVE.
3. BOTH THE INTERIOR AND EXTERIOR SURFACES OF THE MANHOLE SHALL BE COATED WITH EPOXY COAL TAR. DO NOT COAT JOINT OR PIPE OPENING SURFACES.
4. DROP CONNECTIONS ARE REQUIRED WHENEVER INVERT OF INFLUENT SEWER IS 24" OR MORE ABOVE THE INVERT OF THE MANHOLE. SEE DETAIL.
5. DROP PIPE AND FITTINGS SHALL BE OF EQUAL SIZE AND MATERIAL AS THE INFLUENT SEWER.

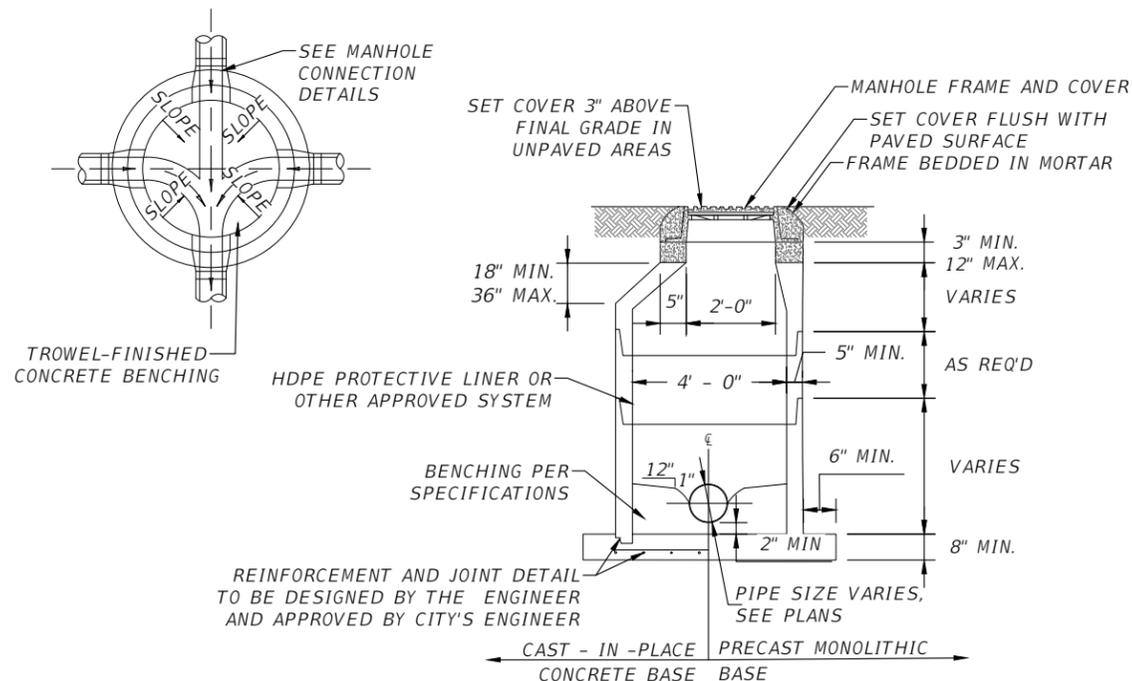
**SN07 STANDARD MANHOLE CONNECTION**  
SCALE: N.T.S



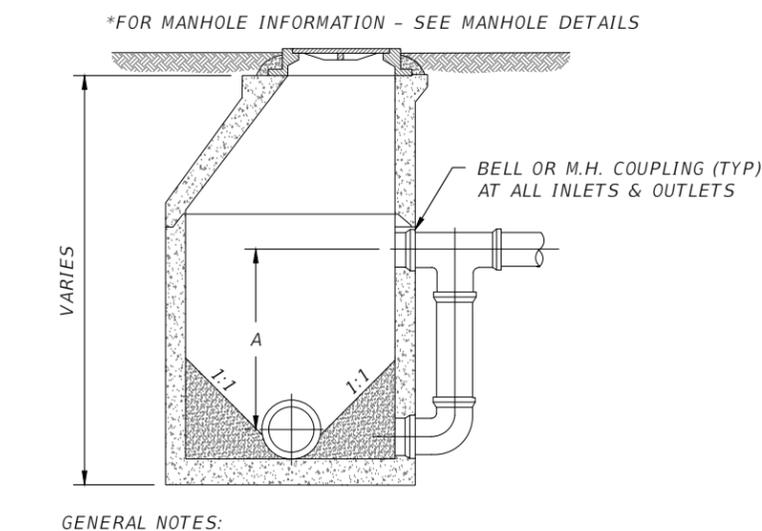
**SN04 STANDARD MANHOLE COVER DETAIL**  
SCALE: N.T.S

NOTES:

1. MANHOLE SHOWN IS FOR SEWER SIZE 8" THRU 18", MANHOLE DIAMETER FOR SEWERS GREATER THAN 18" SHALL BE AS APPROVED BY CITY'S ENGINEERS.
2. DROP CONNECTIONS ARE REQUIRED WHENEVER INVERT OF INFLUENT SEWER IS 24" OR MORE ABOVE THE INVERT OF THE MANHOLE. SEE DETAIL SN06.
3. APPROVED CONCENTRIC CONE DESIGN MAY BE USED AS AN ALTERNATIVE.
4. ALL MANHOLES SHALL HAVE HDPE PROTECTIVE LINERS OR OTHER APPROVED SYSTEM.



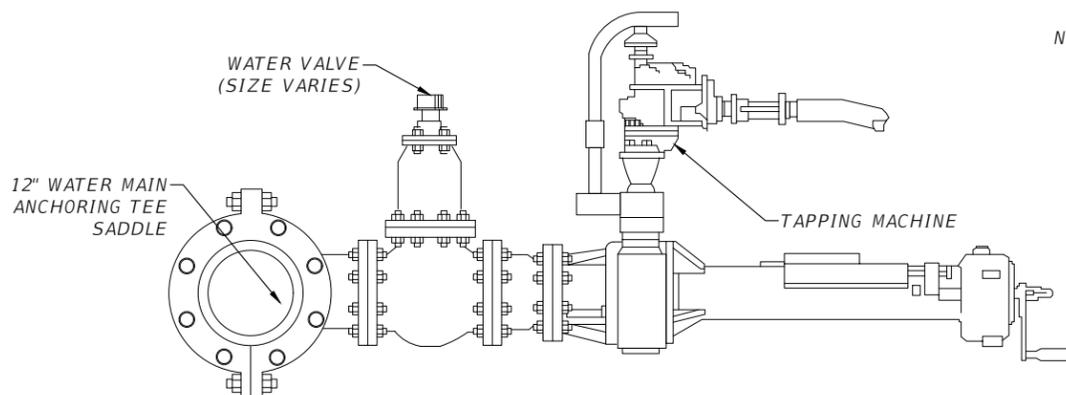
**SN05 PRECAST CONCRETE MANHOLE DETAIL**  
SCALE: N.T.S



GENERAL NOTES:

1. DROP MANHOLE SHALL BE UTILIZED AT ALL LOCATIONS WHERE DIMENSION "A" EXCEEDS 2'-0".

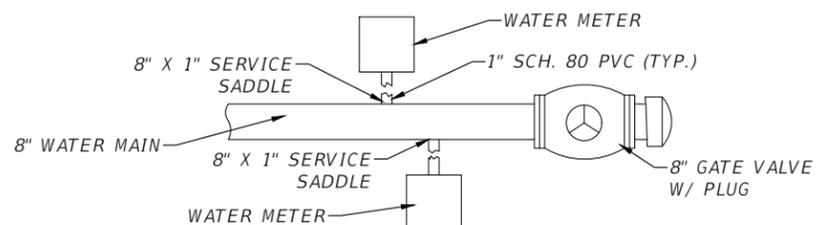
**SN06 DROP MANHOLE DETAIL**  
SCALE: N.T.S



**WT12 WET TAP AND SADDLE ASSEMBLY**  
SCALE: N.T.S

NOTES:

1. WET TAP ONLY POTABLE WATER LINES AS SHOWN IN PLANS.



NOTES:

1. SEE DETAIL WT07 FOR WATER SERVICE CONNECTION DETAILS.

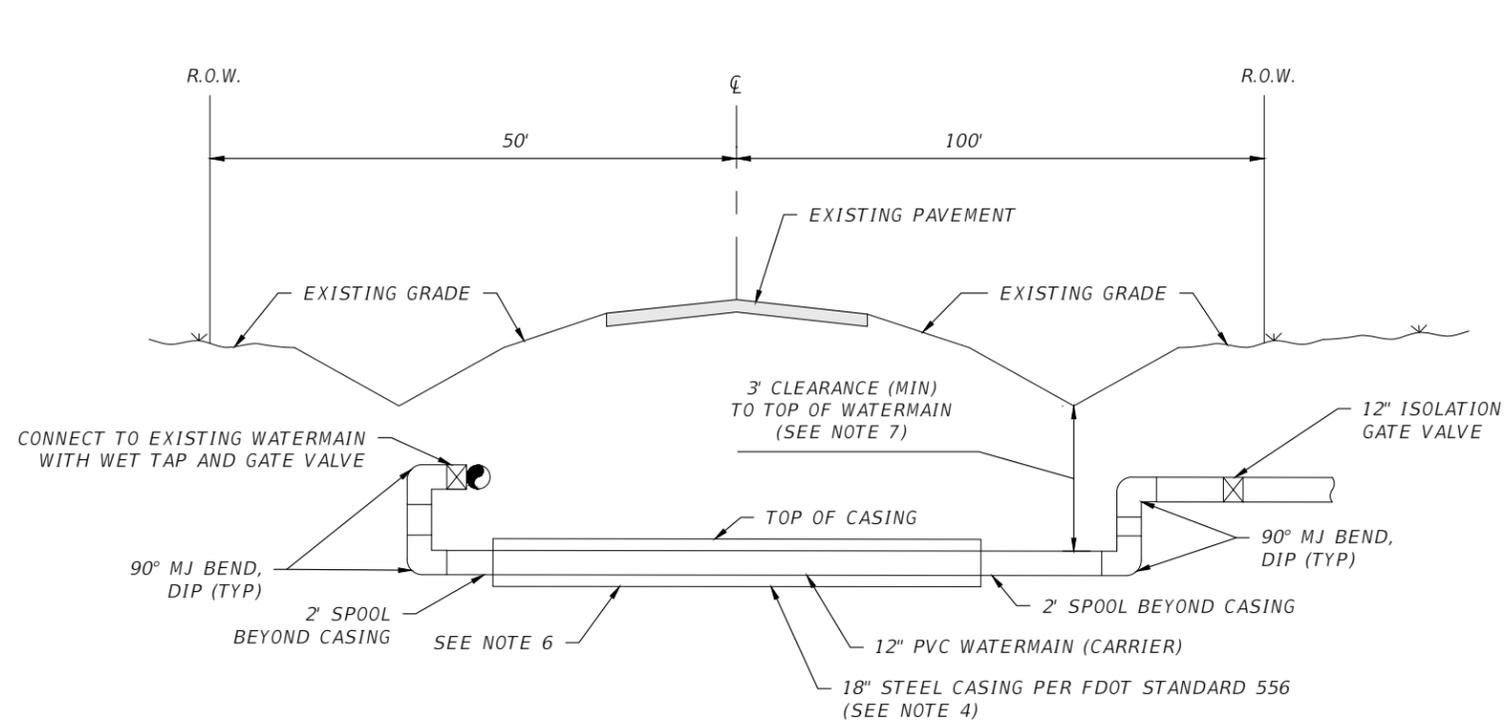
**WT33 WATER ABANDONMENT LATERAL CONNECTION**  
SCALE: N.T.S

RYAN DOUGLAS ASMUS  
P.E. LICENSE NUMBER 66626  
NFPS  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056

COLUMBIA CO BOCC  
ROAD NO. HOWELL RD  
COUNTY COLUMBIA  
FINANCIAL PROJECT ID

**UTILITY DETAILS**

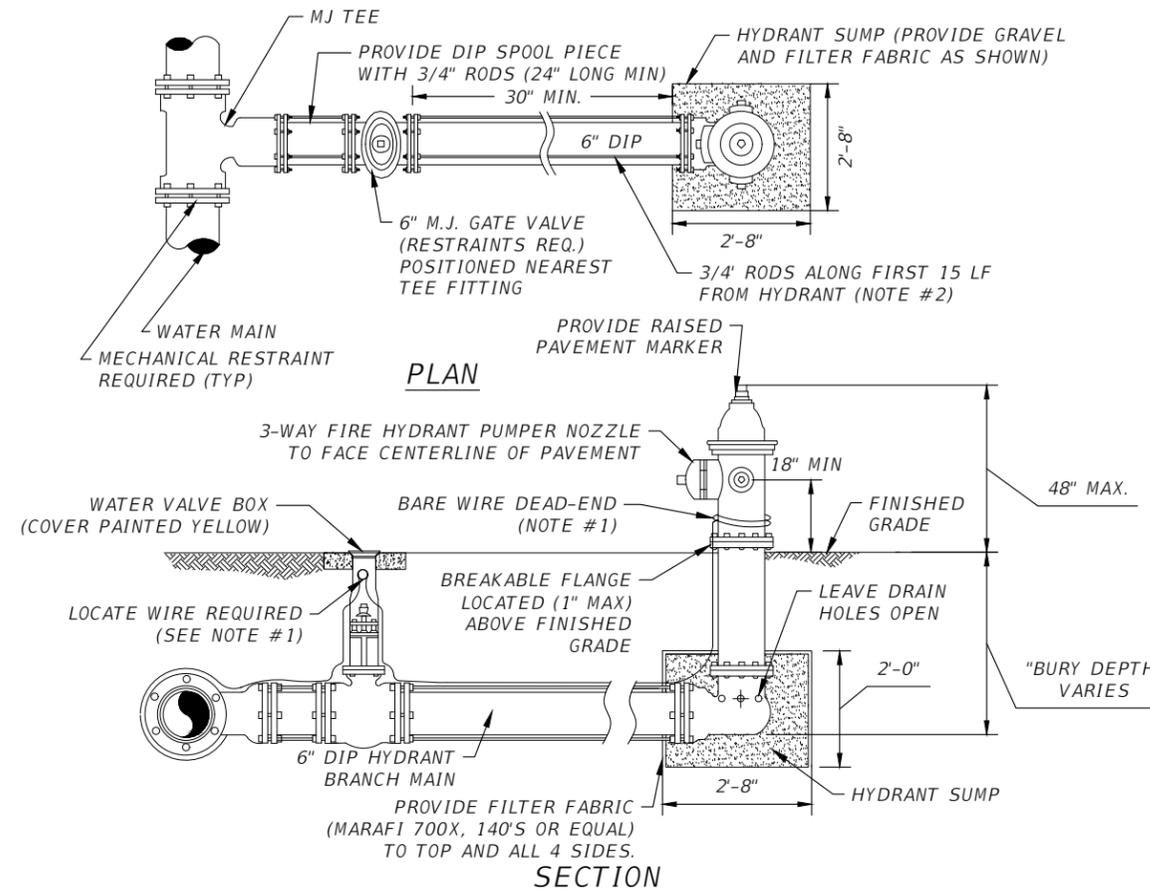
SHEET NO.  
U-14a



**WT30** TYPICAL JACK AND BORE CROSSING  
SCALE: N.T.S

**NOTES**

1. CONTRACTOR SHALL NOTIFY FDOT AND OWNER'S REPRESENTATIVE IN ADVANCE OF CONSTRUCTION ACTIVITIES WITHIN THE FDOT RIGHT OF WAY.
2. CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING UTILITIES AND SHALL RESTORE ALL AREAS DISTURBED BY CONSTRUCTION.
3. CONTRACTOR SHALL COMPLY WITH ALL FDOT UTILITY PERMIT REQUIREMENTS, INCLUDING MAINTENANCE OF TRAFFIC DURING CONSTRUCTION.
4. CONTRACTOR SHALL PERFORM ALL JACK & BORE OPERATIONS IN ACCORDANCE WITH THE FDOT UAM SECTION 3.16.9.2.
5. EXTEND CASING TO 12' (MIN) BEYOND EDGES OF EXISTING AND PROPOSED PAVEMENT.
6. ROTATE FITTINGS AS NEEDED FOR OFFSETS WHERE SHOWN IN DRAWING PLAN VIEWS.
7. CONTRACTOR SHALL MAINTAIN 3' COVER (MIN) OVER TOP OF WATERMAIN FROM THE LOWEST POINT ON THE CROSS SECTION WHERE JACK & BORE INSTALLATION IS TO OCCUR.
8. INSTALL RACI TYPE M/N 90 HDPE SPACERS. COORDINATE SPACER SELECTION AND REQUIRED SPACING WITH MANUFACTURER.



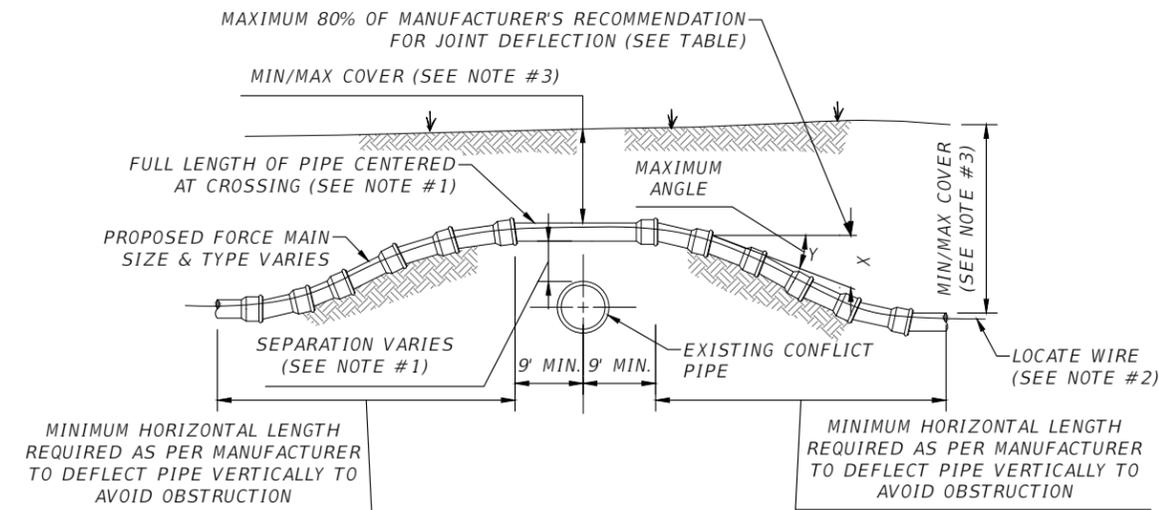
**NOTES**

1. LOCATE WIRE SHALL BE ROUTED FROM THE VALVE TO THE HYDRANT AS SHOWN ABOVE LEAVING ENOUGH SLACK TO REACH 4' ABOVE FINAL GRADE. THE END OF THE WIRE SHALL BE SECURED TO THE PIPE MAIN.
2. FIRE HYDRANTS SHALL BE INSTALLED AT BACK OF SIDEWALK. THE DISTANCE RANGE FROM EDGE OF ADJACENT PAVEMENT, AND FACE OF SIDEWALK SHALL BE IN COMPLIANCE WITH LOCAL COUNTY FIRE DEPARTMENT RULES AND AS APPROVED BY APPLICABLE PERMITTING AGENCIES. DISTANCE SHALL BE MEASURED TO THE CLOSEST PART OF THE FIRE HYDRANT (I.E. THE PUMPER NOZZLE). THE MAXIMUM DISTANCE (EDGE OF PAVEMENT) SHALL BE IN COMPLIANCE WITH LOCAL COUNTY FIRE DEPARTMENT RULES. FOR OTHER LOCATION LIMITATIONS, IF PIPING BETWEEN TEE AND HYDRANT IS LONGER THAN 80 LF, AN ADDITIONAL 6" GATE VALVE IS REQUIRED AT THE HYDRANT LOCATION (PROVIDE 30" SEPARATION). ALL PIPING, VALVES AND FITTINGS ALONG THE HYDRANT BRANCH MAIN WHICH IS WITHIN 15 LF OF THE HYDRANT SHALL BE RESTRAINED UTILIZING ONLY TWO 3/4" DIA (THREADED ENDS) STEEL RODS AND EYE BOLTS (NO JOINT RESTRAINT DEVICES REQUIRED). A SPLIT SERRATED RING WITH RESTRAINT EARS (EBAA 15 PF06 OR EQUAL) MAYBE USED IN THIS ASSEMBLY. ALL OTHER JOINTS ALONG THE HYDRANT BRANCH MAIN OUTSIDE OF THE FIRST 15 LF SHALL INCLUDE JOINT RESTRAINTS.
3. OPERATION OF THE FIRE HYDRANT SHALL BE EITHER FULL OPEN POSITION OR TOTALLY CLOSED POSITION. THE HYDRANT SHALL NOT BE UTILIZED TO THROTTLE OUTLET FLOW.
4. PRIOR TO PROJECT FINAL INSPECTION, THE HYDRANT AND ALL ABOVE GROUND PIPING SHALL BE RE-OILED, GREASED AND REPAINTED (RUS- KIL ENAMEL-INTERNATIONAL YELLOW OR EQUAL). PRIVATELY OWNED AND MAINTAINED FIRE HYDRANTS SHALL BE PAINTED RED.
5. FIRE HYDRANTS SHALL BE AVK SERIES 27 WITH (2) 2 1/2" OUTLETS, 5" STEAMER, 5 1/2" BARREL, PAINTED YELLOW. NO EQUAL HYDRANT ALLOWED.

**WT04** FIRE HYDRANT INSTALLATION USING MECHANICAL JOINT TEE  
SCALE: N.T.S

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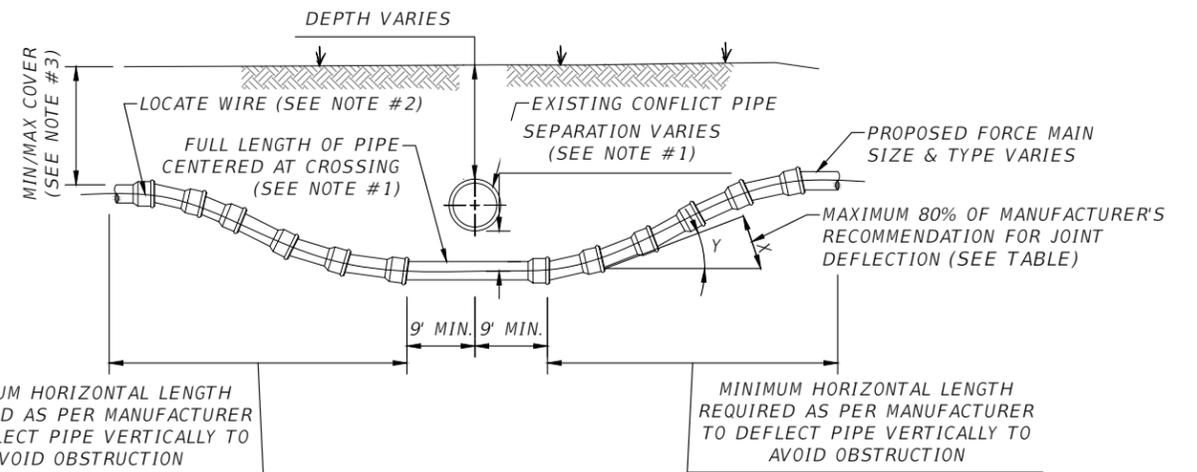
**NOTES:**

1. FOR MINIMUM VERTICAL SEPARATION REQUIREMENTS SEE WT08.
2. LOCATING WIRE REQUIRED.
3. THE COVER OVER ALL PIPING LESS THAN 24" SIZE SHALL BE A MINIMUM OF 30" IN UNPAVED AREAS AND 36" IN PAVED AREAS WITH A MAXIMUM COVER OF 60". COVER FOR PIPING 24" SIZE AND LARGER SHALL BE MINIMUM OF 36" (PAVED AND UNPAVED) AND MAXIMUM OF 84". THE SOILS BETWEEN THE NEW MAIN AND THE CONFLICT PIPE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY THE LABORATORY MODIFIED PROCTOR TEST ASTM D 1557.

**MAXIMUM ALLOWED OFFSET FOR PIPE BY JOINT DEFLECTION**

PVC PIPE (BELL JOINT)			
PIPE SIZE (IN.)	(X) MAX. OFFSET (IN.)	(Y) ANGLE AT ONE BELL	RESULTING RADIUS OF CURVE WITH 20FT. LENGTHS (FT)
8	10	2.4°	480
10	10	2.4°	480
12	8.50	2°	480

**WT24 UTILITY CONFLICT ADJUSTMENT BY DEFLECTION - CASE "A"**  
SCALE: N.T.S



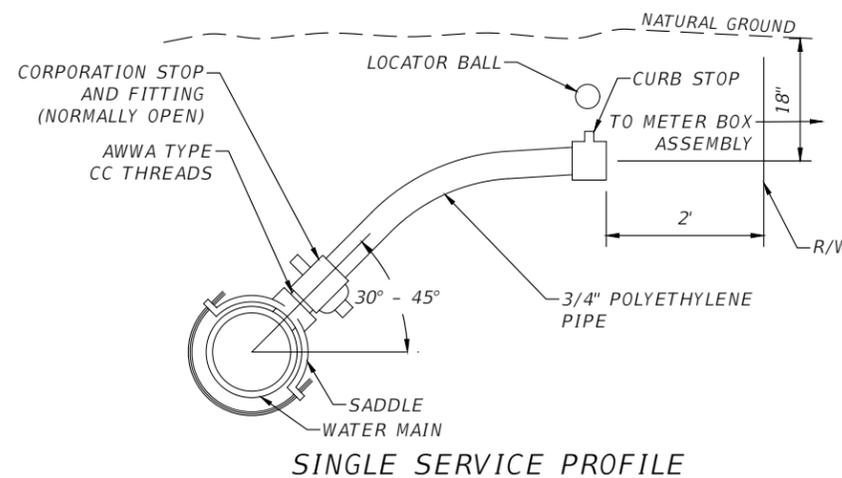
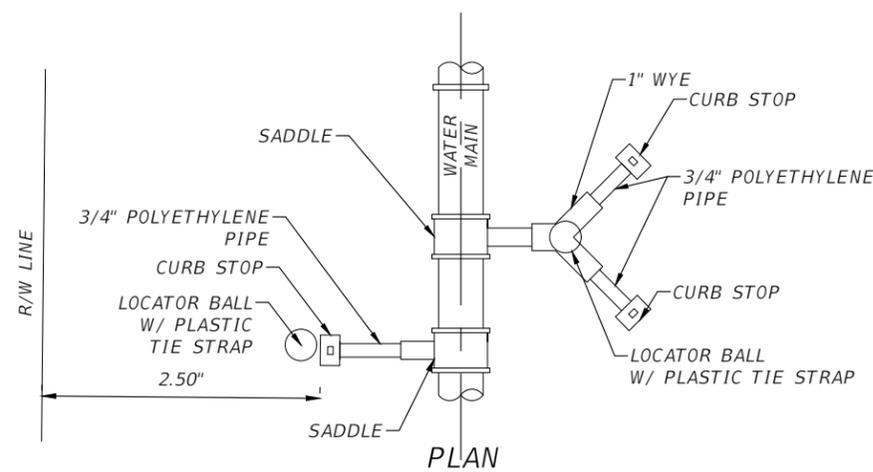
**NOTES:**

1. FOR MINIMUM VERTICAL SEPARATION REQUIREMENTS SEE WT08.
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PVC PIPE (BELL JOINT)			
PIPE SIZE (IN.)	(X) MAX. OFFSET (IN.)	(Y) ANGLE AT ONE BELL	RESULTING RADIUS OF CURVE WITH 20FT. LENGTHS (FT)
8	10	2.4°	480
10	10	2.4°	480
12	8.50	2°	480

**WT25 UTILITY CONFLICT ADJUSTMENT BY DEFLECTION - CASE "B"**  
SCALE: N.T.S



**NOTES:**

1. ALL FITTINGS SHALL BE BRASS WITH COMPRESSION/ PACK JOINT TYPE CONNECTIONS.
2. NO SERVICE LINE SHALL TERMINATE UNDER A DRIVEWAY.
3. EACH SERVICE SHALL TERMINATE AT A CURB STOP WHICH SHALL BE BURIED APPROXIMATELY 3" BELOW FINAL GRADE AND SHALL BE CLEARLY MARKED WITH A 2" x 2" x 18" STAKE WITH THE TOP PAINTED BLUE AND MARKED WITH THE NUMBER OF THE LOT TO BE SERVED.
4. CONTRACTOR SHALL PROVIDE LOCATOR BALLS W/ PLASTIC TIE STRAPS. LOCATOR BALLS SHOULD BE SECURED TO LATERAL W/ TIE STRAP.

**WT07 WATER SERVICE CONNECTION DETAILS**  
SCALE: N.T.S

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**SWORN STATEMENT UNDER SECTION 287.133(3)(a), FLORIDA STATUTES,  
ON PUBLIC ENTITY CRIMES**

**TO BE RETURNED WITH BID**

THIS MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS

1. This sworn statement is submitted with Bid, Proposal or Contract for \_\_\_\_\_.
  
2. This sworn statement is submitted by \_\_\_\_\_ (entity submitting sworn statement), whose business address is \_\_\_\_\_ and its Federal Employee Identification Number (FEIN) is \_\_\_\_\_. (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: \_\_\_\_\_).
  
3. My name is \_\_\_\_\_ (please print name of individual signing), and my relationship to the entity named above is \_\_\_\_\_.
  
4. I understand that a “public entity crime” as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid or contract for goods or services, any leases for real property, or any contract for the construction or repair of a public building or public work, to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
  
5. I understand that “convicted” or “conviction” as defined in paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction or a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, non-jury trial, or entry of a plea of guilty or nolo contendere.
  
6. I understand that an “affiliate” as defined in paragraph 287.133(1)(a), Florida Statutes, means:
  - a) A predecessor or successor of a person convicted of a public entity crime; or
  - b) An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term “affiliate” includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not to fair market

value under an arm's length agreement, shall be prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding thirty-six (36) months shall be considered an affiliate.

7. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.
8. Based on information and belief, the statement, which I have marked below, is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)

\_\_\_\_\_ Neither the entity submitting this sworn statement, nor any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

\_\_\_\_\_ The entity submitting this sworn statement, or one of more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, and (Please indicate which additional statement applies.)

\_\_\_\_\_ There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the Hearing Officer did not place the person or affiliate on the convicted bidder list. (Please attach a copy of the final order.)

\_\_\_\_\_ The person or affiliate was placed on the convicted bidder list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted bidder list. (Please attach a copy of the final order.)

\_\_\_\_\_ The person or affiliate has not been placed on the convicted bidder list. (Please describe any action taken by or pending with the Department of General Services.)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
Date

STATE OF FLORIDA  
COUNTY OF \_\_\_\_\_

PERSONALLY APPREAED BEFORE ME, the undersigned authority, \_\_\_\_\_, who,  
after first being sworn by me, affixed his/her signature in the space provided above on this \_\_\_\_\_ day  
of  
\_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
(Notary Public)

My Commission Expires: \_\_\_\_\_ (seal)

## **REFERENCES**

List 3 similar commercial projects the Bidder has completed within the last 5 years.

1. Company name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

Contact Name \_\_\_\_\_

Contact Phone or e-mail \_\_\_\_\_

Short description of project \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2. Company name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

Contact Name \_\_\_\_\_

Contact Phone or e-mail \_\_\_\_\_

Short description of project \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3. Company name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

Contact Name \_\_\_\_\_

Contact Phone or e-mail \_\_\_\_\_

Short description of project \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# E-Verify

**Company/Entity:**

**Bid Number:**

**Project Description:**

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The Company acknowledges and agrees to utilize the U.S. Department of Homeland Security's E-verify system in accordance with the terms governing use of the system, for the purpose of confirming the employment eligibility of all employees, subcontractors or persons utilized by the Company while undertaking work within Columbia County.

**Company Representative, Title**

**Date**

---

---

**Please complete and submit this form with all of your bid documents.**

# SUBCONTRACTOR LISTING

---

General Contractor Name

1. Pursuant to bidding requirements for the Work titled:

**CONSTRUCTION BID- HOWELL AND ELLISVILLE ACCESS RD  
FOR COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS**

for portions of the Work listed below and portions equaling or exceeding 3% of the total proposed Contract Sum the undersigned proposes to use the following subcontractors. Except as otherwise approved by the Owner, the undersigned proposes to perform all other portions of the Work with his own forces.

2. Portion of the Work: Subcontractor name and address:

_____	_____
	_____
	_____
_____	_____
	_____
	_____
_____	_____
	_____
	_____
_____	_____
	_____
	_____

**CONFLICT OF INTEREST STATEMENT**

STATE OF FLORIDA, COUNTY OF \_\_\_\_\_

Before me, the undersigned authority, personally appeared \_\_\_\_\_, who was duly sworn deposes and states:

1. I am the \_\_\_\_\_ of \_\_\_\_\_ with a local office in \_\_\_\_\_ and principal office in \_\_\_\_\_ and principal office in \_\_\_\_\_.  
County & State County & State
2. The above-named entity is submitting a Proposal for the Columbia County Board of County Commissioners **BID # 2025-06** described as HOWELL RD AND ELLISVILLE ACCESS ROAD.
3. The Affiant has made diligent inquiry and provides the information contained in the Affidavit based upon his/her own knowledge.
4. The Affiant states that only one submittal for the above proposal is being submitted and that the above-named entity has no financial interest in other entities submitting proposals for the same project.
5. Neither the Affiant nor the above-named entity has directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraints of free competitive pricing in connection with the entity's submittal for the above proposal. This statement restricts the discussion of pricing data until the completion of negotiations if necessary and execution of the Contract for this project.
6. Neither the entity nor its affiliates, nor anyone associated with them, is presently suspended or otherwise ineligible from participation in contract letting by any local, State, or Federal Agency.
7. Neither the entity nor its affiliates, nor anyone associated with them have any potential conflict of interest due to any other clients, contracts, or property interests for this project.
8. I certify that no member of the entity's ownership or management is presently applying for an employee position or actively seeking an elected position with the Columbia County Board of County Commissioners.
9. I certify that no member of the entity's ownership or management, or staff has a vested interest in any aspect of the Columbia County Board of County Commissioners.
10. In the event that a conflict of interest is identified in the provision of services, I, on behalf of the above-named entity, will immediately notify the Columbia County Board of County Commissioners.

DATED: this day of 20 .

\_\_\_\_\_  
(Affiant)

\_\_\_\_\_  
Typed Name and Title

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_.

Personally Known \_\_\_\_\_ Or produced identification \_\_\_\_\_.

Identification type: \_\_\_\_\_

Notary Public-State of \_\_\_\_\_

Printed, typed, or stamped commissioned name of notary public.

My commission expires \_\_\_\_\_.

**THIS FORM MUST BE INCLUDED WITH BID**

## DRUG FREE WORKPLACE CERTIFICATE

I, the undersigned, in accordance with Florida Statute 287.087, hereby certify that, \_\_\_\_\_ (print or type name of firm) publishes a written statement notifying that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the workplace named above, and specifying actions that will be taken against violations of such prohibition.

- Informs employees about the dangers of drug abuse in the work place, the firm's policy of maintaining a drug free working environment, and available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug use violations.
- Gives each employee engaged in providing commodities or contractual services that are under bid or proposal, a copy of the statement specified above.
- Notifies the employees that as a condition of working on the commodities or contractual services that are under bid or proposal, the employee will abide by the terms of the statement and will notify the employer of any conviction of, plea of guilty or nolo contendere to, any violation of Chapter 1893, of any controlled substance law of the State of Florida or the United States, for a violation occurring in the work place, no later than five (5) days after such conviction, and requires employees to sign copies of such written (\*) statement to acknowledge their receipt.
- Imposes a sanction on, or requires the satisfactory participation in, a drug abuse assistance or rehabilitation program, if such is available in the employee's community, by any employee who is so convicted.
- Makes a good faith effort to continue to maintain a drug free work place through the implementation of the drug free workplace program.

“As a person authorized to sign this statement, I certify that the above-named business, firm or corporation complies fully with the requirements set forth herein”

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date Signed

State of Florida

County of \_\_\_\_\_

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

Personally known \_\_\_\_\_ or Produced Identification \_\_\_\_\_

**THIS FORM MUST BE INCLUDED WITH BID**



# HUMAN TRAFFICKING AFFIDAVIT

Affiant swears under pain and penalty of perjury that the company or entity does not use coercion for labor or services as defined by Florida Statute § 787.06 which is hereby incorporated by reference.

\_\_\_\_\_  
(Company or Entity Name)

**Affiant who is an Officer/Authorized Representative of Company or Entity:**

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name)

\_\_\_\_\_  
(Date)

STATE OF \_\_\_\_\_ )

COUNTY OF \_\_\_\_\_ )

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 202\_\_ by \_\_\_\_\_, by means of physical presence and \_\_\_\_\_ who is personally known to me or \_\_\_\_\_ has produced \_\_\_\_\_ as identification.

(NOTARY STAMP)

\_\_\_\_\_  
Notary Public

**EQUAL OPPORTUNITY/AFFIRMATIVE ACTION STATEMENT**

1. The Contractors and subcontractors hereby agree to a commitment to the principles and practices of equal opportunity in employment and to comply with the letter and spirit of federal, state, and local laws and regulations prohibiting discrimination based on race, color, religion, national region, sex, age, handicap, marital status, and political affiliation or belief.

2. The Contractor agrees to comply with Executive Order 11246, as amended, and to comply with specific affirmative action obligations contained therein.

Signed: \_\_\_\_\_

Title: \_\_\_\_\_

Firm: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_



By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting*, later, for further information.

**Note:** If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

**Definition of a U.S. person.** For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien;
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States;
- An estate (other than a foreign estate); or
- A domestic trust (as defined in Regulations section 301.7701-7).

**Special rules for partnerships.** Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

In the cases below, the following person must give Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States.

- In the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the entity;
- In the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the trust; and
- In the case of a U.S. trust (other than a grantor trust), the U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

**Foreign person.** If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person, do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Pub. 515, *Withholding of Tax on Nonresident Aliens and Foreign Entities*).

**Nonresident alien who becomes a resident alien.** Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items.

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

**Example.** Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

## Backup Withholding

**What is backup withholding?** Persons making certain payments to you must under certain conditions withhold and pay to the IRS 24% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

**Payments you receive will be subject to backup withholding if:**

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the instructions for Part II for details),
3. The IRS tells the requester that you furnished an incorrect TIN,
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See *Exempt payee code*, later, and the separate Instructions for the Requester of Form W-9 for more information.

Also see *Special rules for partnerships*, earlier.

## What is FATCA Reporting?

The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all United States account holders that are specified United States persons. Certain payees are exempt from FATCA reporting. See *Exemption from FATCA reporting code*, later, and the Instructions for the Requester of Form W-9 for more information.

## Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account; for example, if the grantor of a grantor trust dies.

## Penalties

**Failure to furnish TIN.** If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

**Civil penalty for false information with respect to withholding.** If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

**Criminal penalty for falsifying information.** Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

**Misuse of TINs.** If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

## Specific Instructions

### Line 1

You must enter one of the following on this line; **do not** leave this line blank. The name should match the name on your tax return.

If this Form W-9 is for a joint account (other than an account maintained by a foreign financial institution (FFI)), list first, and then circle, the name of the person or entity whose number you entered in Part I of Form W-9. If you are providing Form W-9 to an FFI to document a joint account, each holder of the account that is a U.S. person must provide a Form W-9.

a. **Individual.** Generally, enter the name shown on your tax return. If you have changed your last name without informing the Social Security Administration (SSA) of the name change, enter your first name, the last name as shown on your social security card, and your new last name.

**Note: ITIN applicant:** Enter your individual name as it was entered on your Form W-7 application, line 1a. This should also be the same as the name you entered on the Form 1040/1040A/1040EZ you filed with your application.

b. **Sole proprietor or single-member LLC.** Enter your individual name as shown on your 1040/1040A/1040EZ on line 1. You may enter your business, trade, or "doing business as" (DBA) name on line 2.

c. **Partnership, LLC that is not a single-member LLC, C corporation, or S corporation.** Enter the entity's name as shown on the entity's tax return on line 1 and any business, trade, or DBA name on line 2.

d. **Other entities.** Enter your name as shown on required U.S. federal tax documents on line 1. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on line 2.

e. **Disregarded entity.** For U.S. federal tax purposes, an entity that is disregarded as an entity separate from its owner is treated as a "disregarded entity." See Regulations section 301.7701-2(c)(2)(iii). Enter the owner's name on line 1. The name of the entity entered on line 1 should never be a disregarded entity. The name on line 1 should be the name shown on the income tax return on which the income should be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a single owner that is a U.S. person, the U.S. owner's name is required to be provided on line 1. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on line 2, "Business name/disregarded entity name." If the owner of the disregarded entity is a foreign person, the owner must complete an appropriate Form W-8 instead of a Form W-9. This is the case even if the foreign person has a U.S. TIN.

### Line 2

If you have a business name, trade name, DBA name, or disregarded entity name, you may enter it on line 2.

### Line 3

Check the appropriate box on line 3 for the U.S. federal tax classification of the person whose name is entered on line 1. Check only one box on line 3.

IF the entity/person on line 1 is a(n) . . .	THEN check the box for . . .
• Corporation	Corporation
• Individual • Sole proprietorship, or • Single-member limited liability company (LLC) owned by an individual and disregarded for U.S. federal tax purposes.	Individual/sole proprietor or single-member LLC
• LLC treated as a partnership for U.S. federal tax purposes, • LLC that has filed Form 8832 or 2553 to be taxed as a corporation, or • LLC that is disregarded as an entity separate from its owner but the owner is another LLC that is not disregarded for U.S. federal tax purposes.	Limited liability company and enter the appropriate tax classification. (P= Partnership; C= C corporation; or S= S corporation)
• Partnership	Partnership
• Trust/estate	Trust/estate

### Line 4, Exemptions

If you are exempt from backup withholding and/or FATCA reporting, enter in the appropriate space on line 4 any code(s) that may apply to you.

#### Exempt payee code.

- Generally, individuals (including sole proprietors) are not exempt from backup withholding.
- Except as provided below, corporations are exempt from backup withholding for certain payments, including interest and dividends.
- Corporations are not exempt from backup withholding for payments made in settlement of payment card or third party network transactions.
- Corporations are not exempt from backup withholding with respect to attorneys' fees or gross proceeds paid to attorneys, and corporations that provide medical or health care services are not exempt with respect to payments reportable on Form 1099-MISC.

The following codes identify payees that are exempt from backup withholding. Enter the appropriate code in the space in line 4.

- 1—An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2)
- 2—The United States or any of its agencies or instrumentalities
- 3—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities
- 4—A foreign government or any of its political subdivisions, agencies, or instrumentalities
- 5—A corporation
- 6—A dealer in securities or commodities required to register in the United States, the District of Columbia, or a U.S. commonwealth or possession
- 7—A futures commission merchant registered with the Commodity Futures Trading Commission
- 8—A real estate investment trust
- 9—An entity registered at all times during the tax year under the Investment Company Act of 1940
- 10—A common trust fund operated by a bank under section 584(a)
- 11—A financial institution
- 12—A middleman known in the investment community as a nominee or custodian
- 13—A trust exempt from tax under section 664 or described in section 4947

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 7
Broker transactions	Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 4
Payments over \$600 required to be reported and direct sales over \$5,000 <sup>1</sup>	Generally, exempt payees 1 through 5 <sup>2</sup>
Payments made in settlement of payment card or third party network transactions	Exempt payees 1 through 4

<sup>1</sup> See Form 1099-MISC, Miscellaneous Income, and its instructions.

<sup>2</sup> However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney reportable under section 6045(f), and payments for services paid by a federal executive agency.

**Exemption from FATCA reporting code.** The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements. A requester may indicate that a code is not required by providing you with a Form W-9 with "Not Applicable" (or any similar indication) written or printed on the line for a FATCA exemption code.

A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37)

B—The United States or any of its agencies or instrumentalities

C—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Regulations section 1.1472-1(c)(1)(i)

E—A corporation that is a member of the same expanded affiliated group as a corporation described in Regulations section 1.1472-1(c)(1)(i)

F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state

G—A real estate investment trust

H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940

I—A common trust fund as defined in section 584(a)

J—A bank as defined in section 581

K—A broker

L—A trust exempt from tax under section 664 or described in section 4947(a)(1)

M—A tax exempt trust under a section 403(b) plan or section 457(g) plan

**Note:** You may wish to consult with the financial institution requesting this form to determine whether the FATCA code and/or exempt payee code should be completed.

### Line 5

Enter your address (number, street, and apartment or suite number). This is where the requester of this Form W-9 will mail your information returns. If this address differs from the one the requester already has on file, write NEW at the top. If a new address is provided, there is still a chance the old address will be used until the payor changes your address in their records.

### Line 6

Enter your city, state, and ZIP code.

## Part I. Taxpayer Identification Number (TIN)

**Enter your TIN in the appropriate box.** If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN.

If you are a single-member LLC that is disregarded as an entity separate from its owner, enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

**Note:** See *What Name and Number To Give the Requester*, later, for further clarification of name and TIN combinations.

**How to get a TIN.** If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local SSA office or get this form online at [www.SSA.gov](http://www.SSA.gov). You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at [www.irs.gov/Businesses](http://www.irs.gov/Businesses) and clicking on Employer Identification Number (EIN) under Starting a Business. Go to [www.irs.gov/Forms](http://www.irs.gov/Forms) to view, download, or print Form W-7 and/or Form SS-4. Or, you can go to [www.irs.gov/OrderForms](http://www.irs.gov/OrderForms) to place an order and have Form W-7 and/or SS-4 mailed to you within 10 business days.

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

**Note:** Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

**Caution:** A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.

## Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if item 1, 4, or 5 below indicates otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on line 1 must sign. Exempt payees, see *Exempt payee code*, earlier.

**Signature requirements.** Complete the certification as indicated in items 1 through 5 below.

**1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983.** You must give your correct TIN, but you do not have to sign the certification.

**2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983.** You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

**3. Real estate transactions.** You must sign the certification. You may cross out item 2 of the certification.

**4. Other payments.** You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

**5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), ABLÉ accounts (under section 529A), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions.** You must give your correct TIN, but you do not have to sign the certification.

**What Name and Number To Give the Requester**

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account) other than an account maintained by an FFI	The actual owner of the account or, if combined funds, the first individual on the account <sup>1</sup>
3. Two or more U.S. persons (joint account maintained by an FFI)	Each holder of the account
4. Custodial account of a minor (Uniform Gift to Minors Act)	The minor <sup>2</sup>
5. a. The usual revocable savings trust (grantor is also trustee) b. So-called trust account that is not a legal or valid trust under state law	The grantor-trustee <sup>1</sup> The actual owner <sup>1</sup>
6. Sole proprietorship or disregarded entity owned by an individual	The owner <sup>3</sup>
7. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulations section 1.671-4(b)(2)(i)(A))	The grantor <sup>4</sup>
For this type of account:	Give name and EIN of:
8. Disregarded entity not owned by an individual	The owner
9. A valid trust, estate, or pension trust	Legal entity <sup>4</sup>
10. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
11. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
12. Partnership or multi-member LLC	The partnership
13. A broker or registered nominee	The broker or nominee

For this type of account:	Give name and EIN of:
14. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
15. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulations section 1.671-4(b)(2)(i)(B))	The trust

<sup>1</sup> List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

<sup>2</sup> Circle the minor's name and furnish the minor's SSN.

<sup>3</sup> You must show your individual name and you may also enter your business or DBA name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

<sup>4</sup> List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships*, earlier.

\*Note: The grantor also must provide a Form W-9 to trustee of trust.

Note: If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

**Secure Your Tax Records From Identity Theft**

Identity theft occurs when someone uses your personal information such as your name, SSN, or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Pub. 5027, Identity Theft Information for Taxpayers.

Victims of identity theft who are experiencing economic harm or a systemic problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

**Protect yourself from suspicious emails or phishing schemes.** Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to [phishing@irs.gov](mailto:phishing@irs.gov). You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration (TIGTA) at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at [spam@uce.gov](mailto:spam@uce.gov) or report them at [www.ftc.gov/complaint](http://www.ftc.gov/complaint). You can contact the FTC at [www.ftc.gov/idtheft](http://www.ftc.gov/idtheft) or 877-IDTHEFT (877-438-4338). If you have been the victim of identity theft, see [www.IdentityTheft.gov](http://www.IdentityTheft.gov) and Pub. 5027.

Visit [www.irs.gov/IdentityTheft](http://www.irs.gov/IdentityTheft) to learn more about identity theft and how to reduce your risk.

## Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. commonwealths and possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.

**SAMPLE**

**CONSTRUCTION AGREEMENT**

COLUMBIA COUNTY, a political subdivision of the State of Florida, by and through its Board of County Commissioners, situated at 135 NE Hernando Avenue, Suite 203, Lake City, Florida 32056- 1529 (the "County"), hereby enters into this Construction Agreement on this \_\_\_ day of \_\_\_\_\_, 2025 with \_\_\_\_\_ (the "Contractor") of \_\_\_\_\_ (address) a contractor licensed to perform all work in the State of Florida in connection with the County's Project No. \_\_\_\_\_ (the "Project"), as said work is set forth in the Plans and Specifications and other Contract Documents hereafter specified (the "Work"). The designee for the Project and the Work, as referenced in this Agreement, shall be

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Chad Williams

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The County and the Contractor, for the consideration herein set forth, agree as follows:

**Section 1. Contract Documents**

The Contract Documents consist of this Agreement, the Exhibits described in Section 4 hereof, the Legal Advertisement, the Instructions to Bidders, the Proposal and any duly executed and issued addenda, Change Orders, Work Directive Changes, Field Orders, Work Authorizations and amendments relating thereto. All of the foregoing Contract Documents are incorporated by reference and made a part of this Agreement (all of said documents including the Agreement sometimes being referred to herein as the "Contract Documents" and sometimes as the "Agreement"). A copy of the Contract Documents shall be maintained by Contractor at the Project site at all times during the performance of the Work.

**Section 2. Scope of Work**

The Contractor agrees to furnish and pay for all management, supervision, financing, labor, materials, tools, fuel, supplies, utilities, equipment and services of every kind and type necessary to diligently, timely, and fully perform and complete in a good and workmanlike manner the Work required by this Agreement.

**Section 3. Contract Amount**

In consideration of the faithful performance by the Contractor of the covenants in this Agreement to the full satisfaction and acceptance of the County, the County agrees to pay, or cause to be paid, to Contractor the following amount (herein "Contract Amount"), in accordance with the terms of this Agreement: \$

\_\_\_\_\_ (\_\_\_\_\_  
\_\_\_\_\_).

**[INSERT SCHEDULE OF UNIT PRICES AS APPLICABLE]**

**Section 4. Exhibits Incorporated**

The following documents are expressly agreed to be incorporated by reference and made a part of this Agreement:

- A. Legal Advertisement
- B. Invitation to Bid
- C. Bid Proposal with required forms
- D. Performance Bond
- E. Public Payment Bond
- F. Insurance Requirements, including certificates of insurance
- G. Form of Release and Affidavit
- H. Change Order Form
- I. Notice of Award
- J. Notice to Proceed Form
- K. Application for Payment Form
- L. Special Conditions, if any
- M. **Project Plans**
- N. \_\_\_\_\_
- O. \_\_\_\_\_
- P. \_\_\_\_\_

**Section 5. Bonds**

A. The Contractor shall provide Performance and Payment Bonds, in the form prescribed in the Exhibits to the Agreement, in the amount of 100% of the Contract Amount, the costs of which are to be paid by Contractor. The Performance and Payment Bonds shall be underwritten by a surety authorized to do business in the State of Florida and otherwise acceptable to the County; provided, however, the surety shall be rated as "A-" or better as to general policy holders rating and Class V or higher rating as to financial size category and the amount required shall not exceed 5% of the reported policy holder's surplus, all as reported in the most current Best Key Rating Guide, published by A.M. Best Company, Inc. of 75 Fulton Street, New York, New York 10038.

B. If the surety for any bond furnished by Contractor is declared bankrupt, becomes insolvent, its right to do business is terminated in the State of Florida, or it ceases to meet the requirements imposed by the Contract Documents, the Contractor shall, within five (5) calendar days thereafter, substitute another bond and surety, both of which shall be subject to the County's approval.

**Section 6. Contract Time and Liquidated Damages**

A. Time is of the essence in the performance of the Work under this Agreement. The "Commencement Date" shall be established in the Notice to Proceed to be issued by the County. The Contractor shall commence the Work within five (5) calendar days from the Commencement Date. No Work shall be performed at the Project site prior to the Commencement Date. Any Work performed by the Contractor prior to the Commencement Date shall be at the sole risk of the Contractor. The Work shall be substantially completed within \_\_\_\_\_ calendar days from the

Commencement Date. The date of substantial completion of the Work (or designated portions thereof) is the date certified by the County when construction is sufficiently complete, in accordance with the Contract Documents, so the County can occupy or utilize the Work (or designated portions thereof) for the use for which it is intended. The Work shall be fully completed and ready for final acceptance by the County within 30 calendar days from the Commencement Date (herein "Contract Time").

B. The County and the Contractor recognize that, since time is of the essence for this Agreement, the County will suffer financial loss if the Work is not substantially completed within the time specified above, as said time may be adjusted as provided for herein. Should the Contractor fail to substantially complete the Work within the time period noted above, the County shall be entitled to assess, as liquidated damages, but not as a penalty, \_\_\_\_\_ for each calendar day thereafter until substantial completion is achieved. The Project shall be deemed to be substantially completed on the date the County issues a Substantial Completion Certificate pursuant to the terms hereof. The Contractor hereby expressly waives and relinquishes any right which it may have to seek to characterize the above noted liquidated damages as a penalty, which the parties agree represents a fair and reasonable estimate of the County's actual damages at the time of contracting if the Contractor fails to substantially complete the Work in a timely manner.

C. When any period of time is referenced by days herein, it shall be computed to exclude the first day and include the last day of such period. If the last day of any such period falls on a Saturday or Sunday or on a day made a legal holiday by the law of the applicable jurisdiction, such day shall be omitted from the computation, and the last day shall become the next succeeding day which is not a Saturday, Sunday or legal holiday.

D. Contracts for more than the simplified acquisition threshold, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by 41 U.S.C. 1908, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.

## **Section 7. Intent of Contract Documents and Contractor Representations**

A. It is the intent of the Contract Documents to describe a functionally complete project (or portion thereof) to be constructed in accordance with the Contract Documents. Any work, materials or equipment that may reasonably be inferred from the Contract Documents as being required to produce the intended result shall be supplied whether or not specifically called for. When words which have a well-known technical or trade meaning are used to describe work, materials or equipment, such words shall be interpreted in accordance with that meaning. Reference to standard specifications, manuals or codes of any technical society, organization or association or to the laws or regulations of any governmental authority having jurisdiction over the Project, whether such reference be specific or by implication, shall mean the latest standard specification, manual, code, law or regulation in effect at the time the Work is performed, except as may be otherwise specifically stated herein.

B. If before or during the performance of the Work, Contractor discovers a conflict, error or discrepancy in the Contract Documents, Contractor immediately shall report same to the County in writing and before proceeding with the Work affected thereby shall obtain a written interpretation or clarification from the County. Contractor shall take field measurements and verify field conditions and shall carefully compare such field measurements and conditions and other information known to Contractor with the Contract Documents before commencing any portion of the Work.

C. Drawings are intended to show general arrangements, design and extent of Work and are not intended to serve as shop drawings. Specifications are separated into divisions for convenience of reference only and shall not be interpreted as establishing divisions for the Work, trades, subcontracts, or extent of any part of the Work. In the event of a discrepancy between or among the drawings, specifications or other Contract Document provisions, Contractor shall be required to comply with the provision which is the more restrictive or stringent requirement upon the Contractor, as determined by the County.

D. In order to induce Owner to enter into this Agreement Contractor makes the following representations:

- D.1 Contractor has examined and carefully studied the Contract Documents (including those listed in Section 4) and the other related data identified in the Project Documents including “technical data.”
- D.2 Contractor has visited the site and become familiar with and is satisfied as to the general, local, and site conditions that may affect cost, progress, performance or furnishing of the Work.
- D.3 Contractor is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress, performance and furnishing of the Work.
- D.4 Contractor has carefully studied all reports of explorations and tests of subsurface conditions at or contiguous to site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the site. Contractor acknowledges that Owner and County do not assume responsibility for the accuracy or completeness of information and data shown or indicated in the Contract Documents with respect to Underground Facilities at or contiguous to the site. Contractor has obtained and carefully studied (or assumes responsibility for having done so) all such additional supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the site or otherwise which may affect cost, progress, performance, or furnishing of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor and safety precautions, and

programs incident thereto. Contractor does not consider that any additional examinations, investigations, explorations, tests, studies, or data are necessary for the performance and furnishing of the Work at the Contract Price, within the Contract Times and in accordance with the other terms and conditions of the Contract Documents.

- D.5 Contractor is aware of the general nature of work to be performed by Owner and others at the site that relates to the Work as indicated in the Contract Documents.
- D.6 Contractor has correlated the information known to Contractor, information and observation obtained from visits to the site, reports, and drawings identified in the Contract Documents and all additional examinations, investigations, explorations, tests, studies, and data with the Contract Documents.
- D.7 Contractor has given the County written notice of all conflicts, errors, ambiguities or discrepancies that Contractor has discovered in the Contract Documents and the written resolution thereof by the County is acceptable to Contractor, and the Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

## **Section 8. Investigation and Utilities**

A. Contractor shall have the sole responsibility of satisfying itself concerning the nature and location of the Work and the general and local conditions, and particularly, but without limitation, with respect to the following: those affecting transportation, access, disposal, handling and storage of materials; availability and quality of labor; water and electric power; availability and condition of roads; work area; living facilities; climatic conditions and seasons; physical conditions at the work-site and the project area as a whole; topography and ground surface conditions; nature and quantity of the surface materials to be encountered; subsurface conditions; equipment and facilities needed preliminary to and during performance of the Work; and all other costs associated with such performance. The failure of Contractor to acquaint itself with any applicable conditions shall not relieve Contractor from any of its responsibilities to perform under the Contract Documents, nor shall it be considered the basis for any claim for additional time or compensation.

B. Contractor shall locate all existing roadways, railways, drainage facilities and utility services above, upon, or under the Project site, said roadways, railways, drainage facilities and utilities being referred to in this Sub-Section 8.B. as the "Utilities". Contractor shall contact the owners of all Utilities to determine the necessity for relocating or temporarily interrupting any Utilities during the construction of the Project. Contractor shall schedule and coordinate its Work around any such relocation or temporary service interruption. Contractor shall be responsible for properly shoring, supporting and protecting all Utilities at all times during the course of the Work.

## **Section 9. Schedule**

A. The Contractor, within ten (10) calendar days after receipt of a Notice of Award, shall prepare and submit to the County, for their review and approval, a progress schedule for the Project (herein "Progress Schedule"). The Progress Schedule shall relate to all Work required by the Contract Documents and shall: show the various activities of work in sufficient detail to demonstrate a reasonable and workable plan to complete the Project within the Contract Time; show the order and interdependence of activities and the sequence for accomplishing the Work and describe all activities in sufficient detail so that the County can readily identify the work and measure the progress on of each activity; show each activity with a beginning work date, a duration, and a monetary value; include activities for procurement fabrication, and delivery of materials, plant, and equipment, and review time for shop drawings and submittals; include milestone activities when milestones are required by the Contract Documents; and in a Project with more than one phase, adequately identify each phase and its completion date, and not allow activities to span more than one phase. The Contractor shall also submit a working plan with the Progress Schedule, consisting of a concise written description of the construction plan.

B. The County will return inadequate schedules to the Contractor for corrections and Contractor shall resubmit a corrected schedule within five (5) calendar days from the date of the County's return transmittal. The County will use the accepted Project Schedule as the baseline against which to measure the progress. However, by acceptance of the Project Schedule, the County does not endorse or otherwise certify the validity or accuracy of the activity durations or sequencing of activities.

C. The Progress Schedule shall be updated by the Contractor if there is a significant change in the planned order or duration of an activity or upon the request of the County, which shall not be requested more than [INSERT TIMES] a month. All updates to the Progress Schedule shall be subject to the County's review and approval. The County's review and approval of submitted the Progress Schedule and any required or requested updates shall be a condition precedent to the County's obligation to pay the Contractor.

## **Section 10. Progress Payments**

A. Prior to submitting its first Application for Payment, Contractor shall submit to the County, for their review and approval, a schedule of values based upon the Contract Price, listing the major elements of the Work and the dollar value for each element. After its approval by the County, this schedule of values shall be used as the basis for the Contractor's monthly Applications for Payment. This schedule shall be updated and submitted each month to the County along with a completed and notarized copy of the Application for Payment form.

B. Prior to submitting its first Application for Payment, Contractor shall submit to the County a complete list of all its proposed subcontractors and materialmen. The first Application for Payment shall be submitted no earlier than thirty (30) days after the Commencement Date.

C. If payment is requested on the basis of materials and equipment not incorporated into the Project, but delivered and suitably stored at the site or at another location agreed to by the County in writing, the Application for Payment shall also be accompanied by a bill of sale, invoice or other documentation warranting that the County has received the materials and equipment free and clear of all liens, charges, security interests and encumbrances, together with evidence that the materials and equipment are covered by appropriate property insurance and other arrangements to protect the County's interest therein, all of which shall be subject to the County's satisfaction.

D. Contractor shall submit its monthly Application for Payment to the County on or before the 25th day of each month for work performed during the previous month. Invoices received after the 25th day of each month shall be considered for payment as part of the next month's application. Within ten (10) calendar days after receipt of each Application for Payment, the County shall either:

- D.1 indicate his approval of the requested payment;
- D.2 indicate his approval of only a portion of the requested payment, stating in writing his reasons therefore; or
- D.3 return the Application for Payment to the Contractor indicating, in writing, the reason for refusing to approve payment.

In the event of a total denial and return of the Application for Payment by the County, the Contractor may make the necessary corrections and resubmit the Application for Payment. The County shall, within thirty (30) calendar days after County approval of an Application for Payment, pay the Contractor the amounts so approved. Provided, however, in no event shall the County be obligated to pay any amount greater than that portion of the Application for Payment approved by the County.

E. The County shall retain five percent (5%) of the gross amount of each monthly payment request or five percent (5%) of the portion thereof approved by the County for payment, whichever is less. Such sums shall be accumulated and released to Contractor with final payment.

F. Monthly payments to Contractor shall in no way imply approval or acceptance of Contractor's work.

G. Each Application for Payment shall be accompanied by a Release and Affidavit, in the form attached to this Agreement, showing that all materials, labor, equipment and other bills associated with that portion of the Work for which payment is being requested have been paid in full. The County shall not be required to make payment until and unless these affidavits are furnished by the Contractor.

H. The County reserves the right to issue joint checks to Contractor and its material suppliers, subcontractors, labor unions, equipment suppliers, etc., if, in the County's sole judgment, it is necessary to do so to ensure payment to the above named parties or if above named parties have

filed a notice of nonpayment, lien or intent to lien, stop notice, etc.

### **Section 11. Payments Withheld**

A. The County may decline to approve any Application for Payment, or portions thereof, because of subsequently discovered evidence or subsequent inspections. The County may nullify the whole or any part of any approval for payment previously issued and the County may withhold any payments otherwise due Contractor under this Agreement or any other agreement between the County and Contractor, to such extent as may be necessary in the County's opinion to protect it from loss because of:

- A.1 Defective Work not remedied;
- A.2 Third party claims filed or reasonable evidence indicating probable filing of such claims;
- A.3 Failure of Contractor to make payment properly to subcontractors or for labor, materials or equipment;
- A.4 Reasonable doubt that the Work can be completed for the unpaid balance of the Contract Amount;
- A.5 Reasonable indication that the Work will not be completed within the Contract Time;
- A.6 Unsatisfactory prosecution of the Work by the Contractor;
- A.7 Failure to provide accurate and current "As-Builts"; or
- A.8 Any other material breach of the Contract Documents.

B. If these conditions in Subsection 11.A are not remedied or removed, the County may, after three (3) days written notice, rectify the same at Contractor's expense. The County also may offset against any sums due Contractor the amount of any liquidated or unliquidated obligations of Contractor to the County, whether relating to or arising out of this Agreement or any other agreement between Contractor and the County.

### **Section 12. Final Payment**

A. The County shall make final payment to Contractor within thirty (30) calendar days after the Work is finally inspected and accepted by the County in accordance with Section 25.B. herein, provided that Contractor first, and as an explicit condition precedent to the accrual of Contractor's right to final payment, shall have furnished the County with a properly executed and notarized copy of the Release and Affidavit, as well as, a duly executed copy of the Surety's consent to final payment and such other documentation that may be required by the Contract Documents and

the County.

B. Contractor's acceptance of final payment shall constitute a full waiver of any and all claims by Contractor against the County arising out of this Agreement or otherwise relating to the Project, except those previously made in writing and identified by parties as unsettled at the time of the final Application for Payment. Neither the acceptance of the Work nor payment by the County shall be deemed to be a waiver of the County's right to enforce any obligations of Contractor hereunder or to the recovery of damages for defective Work not discovered by the County at the time of final inspection.

### **Section 13. Submittals and Substitutions**

A. Contractor shall carefully examine the Contract Documents for all requirements for approval of materials to be submitted such as a schedule of values, safety manual, shop drawings, data, test results, schedules and samples. Contractor shall submit all such materials at its own expense and in such form as required by the Contract Documents in sufficient time to prevent any delay in the delivery of such materials and the installation thereof.

B. Whenever materials or equipment are specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular supplier, the naming of the item is intended to establish the type, function and quality required. Unless the name is followed by words indicating that no substitution is permitted, materials or equipment of other suppliers may be accepted by the County if sufficient information is submitted by Contractor to allow the County to determine that the material or equipment proposed is equivalent or better than to that named. Requests for review of substitute items of material and equipment will not be accepted by the County from anyone other than Contractor and all such requests must be submitted by Contractor to the County within thirty (30) calendar days after Notice of Award is received by Contractor.

C. If Contractor wishes to furnish or use a substitute item of material or equipment, Contractor shall make application to the County for acceptance thereof, certifying that the proposed substitute shall perform adequately the functions and achieve the results called for by the general design, be similar and of equal substance to that specified and be suited to the same use as that specified. The application shall state that the evaluation and acceptance of the proposed substitute will not prejudice Contractor's achievement of substantial completion on time, whether or not acceptance of the substitute for use in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with the County for the Project) to adapt the design to the proposed substitute and whether or not incorporation or use of the substitute in

connection with the Work is subject to payment of any license fee or royalty. All variations of the proposed substitute from that specified will be identified in the application and available maintenance, repair and replacement service shall be indicated. The application also shall contain an itemized estimate of all costs that will result, directly or indirectly, from acceptance of such substitute, including costs for redesign and claims of other contractors affected by the resulting change, all of which shall be considered by the County in evaluating the proposed substitute. The County may require Contractor to furnish at Contractor's expense additional data about the proposed substitute.

D. If a specific means, method, technique, sequence or procedure of construction is indicated in or required by the Contract Documents, Contractor may furnish or utilize a substitute means, method, sequence, technique or procedure of construction acceptable to the County, if Contractor submits sufficient information to allow the County to determine that the substitute proposed is equivalent to that indicated or required by the Contract Documents. The procedures for submission to and review by the County shall be the same as those provided herein for substitute materials and equipment.

E. The County shall be allowed a reasonable time within which to evaluate each proposed substitute. The County shall be the sole judge of acceptability, and no substitute will be ordered, installed or utilized without the County's prior written acceptance which shall be evidenced by either a Change Order or an approved Shop Drawing. The County may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any substitute.

#### **Section 14. Daily Reports, As-Builts and Meetings**

A. Unless waived in writing by the County, Contractor shall complete, maintain, and submit to County on a \_\_\_\_\_ basis a daily log of the Contractor's work in a format approved by the County. The daily log shall document all activities of Contractor at the Project site including, but not limited to, the following:

- A1. Weather conditions showing the high and low temperatures during work hours, the amount of precipitation received on the Project site, and any other weather conditions which adversely affect the Work;
- A2. Any Conditions which adversely affect the Work;
- A3. The hours of operation by Contractor's and subcontractor's personnel;
- A4. The number of Contractor's and subcontractor's personnel present and working at the Project site, by subcontract and trade;

- A5. All equipment present at the Project site, description of equipment use and designation of time equipment was used (specifically indicating any down time);
- A.6. Description of Work being performed at the Project site;
- A.7. Any unusual or special occurrences at the Project site;
- A.8. Materials received at the Project site;
- A.9. A list of all visitors to the Project site; and
- A.10. Any problems that might impact either the cost or quality of the Work or the time of performance.

The daily log shall not constitute nor take the place of any notice required to be given by Contractor to the County pursuant to the Contract Documents.

B. Contractor shall maintain in a safe place at the Project site one record copy of the Contract Documents, including, but not limited to, all drawings, specifications, addenda, amendments, Change Orders, Work Directive Changes and Field Orders, as well as all written interpretations and clarifications issued by the County, in good order and annotated to show all changes made during construction. The annotated drawings shall be continuously updated by the Contractor throughout the prosecution of the Work to accurately reflect all field changes that are made to adapt the Work to field conditions, changes resulting from Change Orders, Work Directive Changes and Field Orders, and all concealed and buried installations of piping, conduit and utility services. All buried and concealed items, both inside and outside the Project site, shall be accurately located on the annotated drawings as to depth and in relationship to not less than two (2) permanent features (e.g. interior or exterior wall faces). The annotated drawings shall be clean and all changes, corrections and dimensions shall be given in a neat and legible manner in a contrasting color. The "As-Built" record documents, together with all approved samples and a counterpart of all approved shop drawings shall be available to County for reference. Current and accurate "As-Built" record documents shall be submitted with each Application for Payment. Failure to provide current and accurate "As-Built" record drawings shall be reason for rejecting the Application for Payment. Upon completion of the Work and as a condition precedent to Contractor's entitlement to final payment, these "As-Built" record documents, samples and shop drawings shall be delivered to the County by Contractor for the County.

C. Contractor shall keep all records and supporting documentation which concern or relate to the Work hereunder for a minimum of five (5) years from the date of termination of this Agreement or the date the Project is completed, whichever is later. The County, or any duly authorized agents or representatives of the County, shall have the right to audit, inspect and copy all such records and documentation as often as they deem necessary during the period of this Agreement

and during the five (5) year period noted above; provided, however, such activity shall be conducted only during normal business hours.

D. In addition to other requirements provided herein, Contractor shall:

D1. Keep and maintain public records that ordinarily and necessarily would be required by the County in order to perform the Work.

D2. Provide the public with access to public records on the same terms and conditions that the County would provide the records and at a cost that does not exceed the cost provided in this chapter or as otherwise provided by law.

D3. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.

D4. Meet all requirements for retaining public records and transfer, at no cost, to the County all public records in possession of the Contractor 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 County in a format that is compatible with the information technology systems of the County.

D5. If the Contractor does not comply with a public records request, the County may terminate this Contract in accordance with Section 23 hereof.

## **Section 15. Independent Contractor**

Contractor is an independent contractor and shall, at its sole cost and expenses and without increase in the contract price, comply with all laws, rules, ordinances, and regulations of all governing bodies having jurisdiction over the Work. Contractor shall be responsible for securing timely inspections and approvals of its work from all such authorities and as required by the Contract Documents. Contractor shall obtain and pay for all necessary permits and licenses, including business licenses; pay all fees, manufacturer's taxes, sales taxes, use taxes, processing taxes, and all federal and state taxes, insurance and contributions for social security and unemployment or disability insurance, which are measured by wages, salaries, or other remunerations paid to Contractor's employees, whether levied under existing or subsequently enacted laws, rules, or regulations. Contractor shall maintain proof that it has complied with all aspects of the foregoing provision and shall make such proof available for review by the County at County's request.

## **Section 16. Contractor Performance, Extensions, and No Damages for Delay of Work**

A. Contractor shall diligently pursue the completion of the Work and coordinate the Work being done on the Project by its subcontractors and materialmen, as well as coordinating its Work with all work of others at the Project Site, so that its Work or the work of others shall not be delayed or impaired by any act or omission by Contractor. Contractor shall be solely responsible for

all construction means, methods, techniques, sequences, and procedures, as well as coordination of all portions of the Work under the Contract Documents.

B. Should Contractor be obstructed or delayed in the prosecution of or completion of the Work as a result of unforeseeable causes beyond the control of Contractor, and not due to its fault or neglect, including but not restricted to acts of God or of the public enemy, acts of government, fires, floods, epidemics, quarantine regulation, strikes or lockouts, Contractor shall notify the County in writing within forty-eight (48) hours after the commencement of such delay, stating the cause or causes thereof, or be deemed to have waived any right which Contractor may have had to request a time extension.

C. No interruption, interference, inefficiency, suspension or delay in the commencement or progress of the Work from any cause whatever, including those for which the County may be responsible, in whole or in part, shall relieve Contractor of his duty to perform or give rise to any right to damages or additional compensation from the County. Contractor expressly acknowledges and agrees that it shall receive no damages for delay. Contractor's sole remedy, if any, against the County will be the right to seek an extension to the Contract Time; provided, however, the granting of any such time extension shall not be a condition precedent to the aforementioned "No Damage For Delay" provision. This paragraph shall expressly apply to claims for early completion, as well as to claims based on late completion.

#### **Section 17. Changes in the Work**

A. The County shall have the right at any time during the progress of the Work to increase or decrease the Work. Promptly after being notified of a change, Contractor shall submit an itemized estimate of any cost or time increases or savings it foresees as a result of the change. Except in an emergency endangering life or property, or as expressly set forth herein, no addition or changes to the Work shall be made except upon written order of the County, and the County shall not be liable to the Contractor for any increased compensation without such written order. No officer, employee or agent of the County is authorized to direct any extra or changed work orally.

B. A Change Order, in the form attached to this Agreement, shall be issued and executed promptly after an agreement is reached between Contractor and the County concerning the requested changes. Contractor shall promptly perform changes authorized by duly executed Change Orders. The Contract Amount and Contract Time shall be adjusted in the Change Order in the manner as the County and Contractor shall mutually agree.

C. If the County and Contractor are unable to agree on a Change Order for the requested change, Contractor shall, nevertheless, promptly perform the change as directed by the County in a written Work Directive Change. In that event, the Contract Amount and Contract Time shall be adjusted as directed by the County. If Contractor disagrees with the County's adjustment determination, Contractor must make a claim pursuant to Section 18 of this Agreement or else be deemed to have waived any claim on this matter it might otherwise have had.

D. In the event a requested change results in an increase to the Contract Amount, the amount of the increase shall be limited to the Contractor's reasonable direct labor and material costs and reasonable actual equipment costs as a result of the change (including allowance for labor burden costs) plus a maximum ten percent (10%) markup for all overhead and profit. In the event such change Work is performed by a Subcontractor, a maximum ten percent (10%) markup for all overhead and profit for all Subcontractors' and sub-subcontractors' direct labor and material costs and actual equipment costs shall be permitted, with a maximum five percent (5%) markup thereon by the Contractor for all of its overhead and profit, for a total maximum markup of fifteen percent (15%). All compensation due Contractor and any Subcontractor or sub-subcontractor for field and home office overhead is included in the markups noted above.

E. The County shall have the right to conduct an audit of Contractor's books and records to verify the accuracy of the Contractor's claim with respect to Contractor's costs associated with any Change Order.

F. The County shall have authority to order minor changes in the Work not involving an adjustment to the Contract Amount or an extension to the Contract Time exceeding his/her authority and not inconsistent with the intent of the Contract Documents. Minor changes approved by the County, whether changes to Work and or Contract Time, cumulatively may not exceed ten percent (10%) of the Work and or Original Contract Time. Such changes may be effected by Field Order or by other written order. Such changes shall be binding on the Contractor.

## **Section 18. Claims and Disputes**

A. A Claim is a demand or assertion by one of the parties seeking an adjustment or interpretation of the terms of the Contract Documents, payment of money, extension of time or other relief with respect to the terms of the Contract Documents. The term "Claim" also includes other disputes and matters in question between the County and Contractor arising out of or relating to the Contract Documents. The responsibility to substantiate a Claim shall rest with the party making the Claim.

B. Claims by the Contractor shall be made in writing to the County within forty-eight (48) hours after the first day of the event giving rise to such Claim or else the Contractor shall be deemed to have waived the Claim. Written supporting data shall be submitted to the County within fifteen (15) calendar days after the occurrence of the event, unless the County grants additional time in writing, or else the Contractor shall be deemed to have waived the Claim. All claims shall be priced in accordance with the provisions of Subsection 17.D. County will render a formal decision on the claim in writing within fifteen (15) calendar days after receipt of the Contractor's Claim. County's written decision will be final and binding upon Contractor and unless Contractor submits a written notice to the County requesting non-binding voluntary mediation within fifteen (15) calendar days of the date of such decisions, then Contractor forever waives and relinquishes any rights to bring any future legal actions or court claims with respect to such Claim.

Non-binding Mediation shall be completed within sixty (60) days from the date of Contractor's timely submission of a written notice requesting non-binding voluntary mediation.

C. The Contractor shall proceed diligently with its performance as directed by the County, regardless of any pending Claim, action, suit or administrative proceeding, unless otherwise agreed to by the County in writing. The County shall continue to make payments in accordance with the Contract Documents during the pendency of any Claim.

## **Section 19. Indemnification and Insurance**

A. To the fullest extent permitted by law, Contractor and its surety covenant and agree to indemnify and hold County harmless of and from any and all claims, losses, demands, causes of action and the like, including but not limited to, attorneys' fees and court costs which may be asserted against County by anyone other than Contractor, resulting from, to the extent of, or occurring in connection with the failure of Contractor or supplier of Contractor to perform all work required within the scope of this agreement in strict accordance with the contract documents.

B. To the full extent permitted by law, Contractor hereby agrees to defend and indemnify, protect and hold harmless County, its agents, employees, servants and sureties (individually the "Indemnified Party" and collectively the "Indemnified Parties") of and from any loss or damage and to reimburse the Indemnified Parties for any and all expenses, including legal fees, expert witness fees and other litigation costs to which the Indemnified Parties may be put because of:

- B.1. the liability for claims and liens for labor performed or materials used or furnished through or under Contractor for the project for which Contractor is liable due to any failure of Contractor to adhere to the terms of this agreement or any of the contract documents;
- B.2. liability to County resulting from Contractor's failure to comply with applicable licensing requirements;
- B.3. any personal injury, loss, damage or death to any person or persons (including employees, officers or agents of County, Contractor and lower tier subcontractors) and any property damage arising out of, result from, or in connection with the performance or non-performance of work required in this contract or by reason of any act, omission, fault or negligence whether active or passive of Contractor whether on the project or proceeding to or from the site, including, without limitation, any personal injury, loss, damage, death or property damage caused (or alleged to be caused) by any negligent or grossly negligent act, error or omission of any person or entity, including any Indemnified Party whether such Indemnified Party's or the person's or

entity's negligence be joint or concurrent however, Contractor shall not be required to indemnify an Indemnified Party for that party's sole negligence; or

- B.4. liability imposed upon County directly or indirectly by Contractor's failure or the failure of any of its employees to comply with any law, ordinance, rule, regulation or requirement, including, but not limited to, any Occupational Safety and Health Administration violations and any penalties, including enhancements, resulting in whole or in part by subcontractor's acts or omissions as well as the Immigration Reform and Control Act of 1986 and all rules and regulations adopted pursuant thereto.

C. To the fullest extent permitted by law, in addition to the express duty to indemnify County when there is any causal connection between Contractor's work and any injury, loss, damage, death or property damage, Contractor expressly undertakes a duty to defend County as a separate duty, independent of and broader than the duty to indemnify. The duty to defend agreed to by Contractor hereby expressly include all costs of litigation, attorney's fees, settlement costs and reasonable expenses in connection with the litigation, whether or not the claims made for loss, injury, damage or property damage are valid or groundless and regardless of whether the defense of County is maintained by the County or assumed by Contractor as long as the claims made could be causally connected to Contractor as reasonable determined by County (claims).

D. The County and Contractor agree the first \$100.00 of the Contract Amount paid by the County to Contractor shall be given as separate consideration for this indemnification and duty to defend, and any other indemnification of the County by Contractor provided for within the Contract Documents, the sufficiency of such separate consideration being acknowledged by Contractor by Contractor's execution of the Agreement. The Contractor's obligation under this provision shall not be limited in any way by the agreed upon contract price as shown in this contract or the Contractor's limit of, or lack of, sufficient insurance protection.

E. Contractor shall obtain and carry, at all times during its performance under the Contract Documents, insurance of the types and in the amounts set forth in the Insurance Requirements attached to this Agreement. All insurance policies shall be from responsible companies duly authorized to do business in the State of Florida and/or responsible risk retention group insurance companies which are registered with the State of Florida. Within fifteen (15) calendar days after Notice of Award is received by Contractor, Contractor shall provide the County with properly executed Certificates of Insurance to evidence Contractor's compliance with the insurance requirements of the Contract Documents. Said Certificates of Insurance shall be on forms approved by the County. The Certificates of Insurance shall be personally, manually signed by the authorized representatives of the insurance company/companies shown on the Certificates of Insurance, with proof that they are authorized representatives thereof. In addition, certified, true and exact copies of all insurance policies required hereunder shall be provided to the County, on a timely basis, when requested by the County.

F. The Certificates of Insurance and required insurance policies shall contain provisions that thirty (30) days prior written notice by registered or certified mail shall be given the County of any cancellation, intent not to renew, or reduction in the policies or coverages, except in the application of the aggregate limits provisions. In the event of a reduction in the aggregate limit of any policy, Contractor shall immediately take steps to have the aggregate limit reinstated to the full extent permitted under such policy.

G. All insurance coverages of the Contractor shall be primary to any insurance or self-insurance program carried by the County applicable to this Project. The acceptance by the County of any Certificate of Insurance does not constitute approval or agreement by the County that the insurance requirements have been satisfied or that the insurance policy shown on the Certificate of Insurance is in compliance with the requirements of the Contract Documents. No work shall commence at the Project site unless and until the required Certificates of Insurance are received by the County.

H. Contractor shall require each of its subcontractors to procure and maintain, until the completion of the subcontractor's work, insurance of the types and to the limits specified in the Insurance Requirements attached to this Agreement, unless such insurance requirements for the subcontractor is expressly waived in writing by the County. All liability insurance policies, other than professional liability, worker's compensation, employer's liability and business auto liability policies, obtained by Contractor to meet the requirements of the Contract Documents shall name the County and Engineer as additional insureds and shall contain severability of interest provisions. If any insurance provided pursuant to the Contract Documents expires prior to the completion of the Work, renewal Certificates of Insurance and, if requested by the County, certified, true copies of the renewal policies, shall be furnished by Contractor within thirty (30) days prior to the date of expiration.

I. Should at any time the Contractor not maintain the insurance coverages required herein, the County may terminate the Agreement or at its sole discretion shall be authorized to purchase such coverages and charge the Contractor for such coverages purchased. The County shall be under no obligation to purchase such insurance, nor shall it be responsible for the coverages purchased or the insurance company or companies used. The decision of the County to purchase such insurance coverages shall in no way be construed to be a waiver of any of its rights under the Contract Documents.

J. Contractor shall submit to the County a copy of all accident reports arising out of any injuries to its employees or those of any firm or individual to whom it may have subcontracted a portion of the Work, or any personal injuries or property damages arising or alleged to have arisen on account of any work by Contractor under the Contract Documents.

## **Section 20. Compliance with Laws**

Contractor agrees to comply, at its own expense, with all federal, state and local laws, codes, statutes, ordinances, rules, regulations and requirements applicable to the Project, including but not

limited to those dealing with taxation, worker's compensation, equal employment and safety. If Contractor observes that the Contract Documents are at variance therewith, it shall promptly notify the County in writing.

Equal Employment Opportunity. Except as otherwise provided under 41 CFR Part 60, all contracts that meet the definition of "federally assisted construction contract" in 41 CFR Part 60-1.3 must include the equal opportunity clause provided under 41 CFR 60-1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity" (30 FR 12319, 12935, 3 CFR Part, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

Davis-Bacon Act, as amended (40 U.S.C. 3141-3148). When required by Federal program legislation, all prime construction contracts in excess of \$2,000 awarded by non-Federal entities must include a provision for compliance with the Davis-Bacon Act (40 U.S.C. 3141-3144, and 3146-3148) as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). In accordance with the statute, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-Federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency. The contracts must also include a provision for compliance with the Copeland "Anti-Kickback" Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency.

## **Section 21. Cleanup and Protections**

A. Contractor agrees to keep the Project site clean at all times of debris, rubbish and waste materials arising out of the Work. At the completion of the Work, Contractor shall remove all debris, rubbish and waste materials from and about the Project site, as well as all tools, appliances, construction equipment and machinery and surplus materials, and shall leave the Project site clean and ready for occupancy by the County.

B. Any existing surface or subsurface improvements, including, but not limited to, pavements, curbs, sidewalks, pipes, utilities, footings, structures, trees and shrubbery, not indicated in the Contract Documents to be removed or altered, shall be protected by Contractor from damage during the prosecution of the Work. Any such improvements so damaged shall be restored by Contractor to the condition equal to that existing at the time of Contractor's commencement of the

Work.

## **Section 22. Assignment**

Contractor shall not assign this Agreement or any part thereof, without the prior consent in writing of the County. If Contractor does, with approval, assign this Agreement or any part thereof, it shall require that its assignee be bound to it and to assume toward Contractor all of the obligations and responsibilities that Contractor has assumed toward the County.

## **Section 23. Permits, Licenses and Taxes**

A. Pursuant to Section 218.80, F.S., the County will pay for all County permits and fees, including license fees, permit fees, impact fees or inspection fees applicable to the work. Contractor is not responsible for paying for permits issued by the County wherein the work is to be performed, but is responsible for acquiring all permits. The County may require the Contractor to deliver internal budget transfer documents to applicable County agencies when the Contractor is acquiring permits.

B. All permits, fees and licenses necessary for the prosecution of the Work which are not issued by the County shall be acquired and paid for by the Contractor.

C. Contractor shall pay any and all sales, use, or other taxes, assessments and other similar charges when due, as required by any local, state or federal law, as it pertains to the services provided herein. Contractor further agrees that it shall protect, reimburse, and indemnify the County from and assume all liability for its tax obligations under the terms of this Agreement.

## **Section 24. Termination for Default**

A. Contractor shall be considered in material default of the Agreement and such default shall be considered cause for the County to terminate the Agreement, in whole or in part, as further set forth in this Section, if Contractor: (1) fails to begin the Work under the Contract Documents within the time specified herein; or (2) fails to properly and timely perform the Work as directed by the County or as provided for in the approved Progress Schedule; or (3) performs the Work unsuitably or neglects or refuses to remove materials or to correct or replace such Work as may be rejected as unacceptable or unsuitable; or (4) discontinues the prosecution of the Work; or (5) fails to resume Work which has been suspended within a reasonable time after being notified to do so; or (6) becomes insolvent or is declared bankrupt, or commits any act of bankruptcy; or (7) allows any final judgment to stand against it unsatisfied for more than ten (10) days; or (8) makes an assignment for the benefit of creditors; or (9) fails to obey any applicable codes, laws, ordinances, rules or regulations with respect to the Work; or (10) materially breaches any other provision of the Contract Documents.

B. The County shall notify Contractor in writing of Contractor's default(s). If the County determines that Contractor has not remedied and cured the default(s) within seven (7) calendar days

following receipt by Contractor of said written notice, then the County, at its option, without releasing or waiving its rights and remedies against the Contractor's sureties and without prejudice to any other right or remedy it may be entitled to hereunder or by law, may terminate Contractor's right to proceed under the Agreement, in whole or in part, and take possession of all or any portion of the Work and any materials, tools, equipment, and appliances of Contractor, take assignments of any of Contractor's subcontracts and purchase orders, and complete all or any portion of Contractor's Work by whatever means, method or agency which the County, in its sole discretion, may choose.

C. If the County deems any of the foregoing remedies necessary, Contractor agrees that it shall not be entitled to receive any further payments hereunder until after the Project is completed. All monies expended and all of the costs, losses, damages and extra expenses, including all management, administrative and other overhead and other direct and indirect expenses (including Engineer and attorneys' fees) or damages incurred by the County incident to such completion, shall be deducted from the Contract Amount, and if such expenditures exceed the unpaid balance of the Contract Amount, Contractor agrees to pay promptly to the County on demand the full amount of such excess, including costs of collection, attorney's fees (including appeals) and interest thereon at the maximum legal rate of interest until paid. If the unpaid balance of the Contract Amount exceeds all such costs, expenditures and damages incurred by the County to complete the Work, such excess shall be paid to the Contractor. The amount to be paid to the Contractor or the County, as the case may be, shall be approved by the County, upon application, and this obligation for payment shall survive termination of the Agreement.

D. The liability of Contractor hereunder shall extend to and include the full amount of any and all sums paid, expenses and losses incurred, damages sustained, and obligations assumed by the County in good faith under the belief that such payments or assumptions were necessary or required, in completing the Work and providing labor, materials, equipment, supplies, and other items therefore or re-letting the Work, and in settlement, discharge or compromise of any claims, demands, suits, and judgments pertaining to or arising out of the Work hereunder.

E. If, after notice of termination of Contractor's right to proceed pursuant to this Section, it is determined for any reason that Contractor was not in default, or that its default was excusable, or that the County is not entitled to the remedies against Contractor provided herein, then Contractor's remedies against the County shall be the same as and limited to those afforded Contractor under Section 24 below.

#### **Section 24. Termination for Convenience and Right of Suspension**

A. The County shall have the right to terminate this Agreement without cause upon seven (7) calendar days' written notice to Contractor. In the event of such termination for convenience, Contractor's recovery against the County shall be limited to that portion of the Contract Amount earned through the date of termination, together with any retainage withheld and reasonable termination expenses incurred, but Contractor shall not be entitled to any other or further recovery against the County, including, but not limited to, damages or any anticipated profit on portions of the Work not performed.

B. The County shall have the right to suspend all or any portions of the Work upon giving Contractor not less than two (2) calendar days' prior written notice of such suspension. If all or any portion of the Work is so suspended, Contractor's sole and exclusive remedy shall be to seek an extension of time to its schedule in accordance with the procedures set forth in the Contract Documents. In no event shall the Contractor be entitled to any additional compensation or damages. Provided, however, if the ordered suspension exceeds six (6) months, the Contractor shall have the right to terminate the Agreement with respect to that portion of the Work which is subject to the ordered suspension.

C. All contracts in excess of \$10,000 must address termination for cause and for convenience by the non-Federal entity including the manner by which it will be effected and the basis for settlement.

## **Section 25. Completion**

A. When the entire Work (or any portion thereof designated in writing by the County) is ready for its intended use, Contractor shall notify the County in writing that the entire Work (or such designated portion) is substantially complete and request that County issue a Certificate of Substantial Completion (or Certificate of Partial Substantial Completion). Within a reasonable time thereafter, the Contractor and County shall make an inspection of the Work (or designated portion thereof) to determine the status of completion. If the County does not consider the Work (or designated portion) substantially complete, County shall notify Contractor in writing giving the reasons therefor. If the County considers the Work (or designated portion) substantially complete, County shall prepare and deliver to Contractor a Certificate of Substantial Completion (or Certificate of Partial Substantial Completion) which shall fix the date of Substantial Completion for the entire Work (or designated portion thereof) and include a tentative punchlist of items to be completed or corrected by Contractor before final payment. The County shall have the right to exclude Contractor from the Work and Project site (or designated portion thereof) after the date of Substantial Completion, but the County shall allow Contractor reasonable access to complete or correct items on the tentative punchlist.

B. Upon receipt of written certification by Contractor that the Work is completed in accordance with the Contract Documents and is ready for final inspection and acceptance and upon receipt of a final Application for Payment, County will make such inspection and, if he finds the Work acceptable and fully performed under the Contract Documents, he shall promptly issue a final Certificate for Payment, recommending that, on the basis of his observations and inspections, and the Contractor's certification that the Work has been completed in accordance with the terms and conditions of the Contract Documents, that the entire balance found to be due Contractor is due and payable. Neither the final payment nor the retainage shall become due and payable until Contractor submits: (1) the Release and Affidavit in the form attached, (2) consent of surety to final payment, and (3) if required by the County, other data establishing payment or satisfaction of all obligations, such as receipts, releases and waivers of liens, arising out of the Contract Documents, to the extent and in such form as may be designated by the County. The County reserves the right to inspect the

Work and make an independent determination as to the Work's acceptability, even though the County may have issued his recommendations. Unless and until the County is completely satisfied, neither the final payment nor the retainage shall become due and payable.

## **Section 26. Warranty**

Contractor shall obtain and assign to the County all express warranties given to Contractor or any subcontractors by any materialmen supplying materials, equipment or fixtures to be incorporated into the Project. Contractor warrants to the County that any materials and equipment furnished under the Contract Documents shall be new unless otherwise specified, and that all Work shall be of good quality, free from all defects and in conformance with the Contract Documents. Contractor further warrants to the County that all materials and equipment furnished under the Contract Documents shall be applied, installed, connected, erected, used, cleaned and conditioned in accordance with the instructions of the applicable manufacturers, fabricators, suppliers or processors except as otherwise provided for in the Contract Documents. If, within one (1) year after final completion, any Work is found to be defective or not in conformance with the Contract Documents, Contractor shall correct it promptly after receipt of written notice from the County. Contractor shall also be responsible for and pay for replacement or repair of adjacent materials or Work which may be damaged as a result of such replacement or repair. These warranties are in addition to those implied warranties to which the County is entitled as a matter of law.

## **Section 27. Tests and Inspections.**

A. The County, their respective representatives, agents and employees, and governmental agencies with jurisdiction over the Project shall have access at all times to the Work, whether the Work is being performed on or off of the Project site, for their observation, inspection and testing. Contractor shall provide proper, safe conditions for such access. Contractor shall provide the County with timely notice of readiness of the Work for all required inspections, tests or approvals.

B. If the Contract Documents or any codes, laws, ordinances, rules or regulations of any public authority having jurisdiction over the Project requires any portion of the Work to be specifically inspected, tested or approved, Contractor shall assume full responsibility therefore, pay all costs in connection therewith and furnish County the required certificates of inspection, testing or approval. All inspections, tests or approvals shall be performed in a manner and by organizations acceptable to the County.

C. If any Work that is to be inspected, tested or approved is covered without written concurrence from the County, such work must, if requested by County, be uncovered for observation. Such uncovering shall be at Contractor's expense unless Contractor has given County timely notice of Contractor's intention to cover the same and County has not acted with reasonable promptness to respond to such notice. If any Work is covered contrary to written directions from County, such Work must, if requested by County, be uncovered for County's observation and be replaced at Contractor's sole expense.

D. The County shall charge to Contractor and may deduct from any payments due Contractor all engineering and inspection expenses incurred by the County in connection with any overtime work. Such overtime work consisting of any work during the construction period beyond the regular eight (8) hour day and for any work performed on Saturday, Sunday or holidays.

E. Neither observations nor other actions by the County nor inspections, tests or approvals by others shall relieve Contractor from Contractor's obligations to perform the Work in accordance with the Contract Documents.

## **Section 28. Defective Work**

A. Work not conforming to the requirements of the Contract Documents shall be deemed defective Work. If required by the County, Contractor shall, as directed, either correct all defective Work, whether or not fabricated, installed or completed, or if the defective Work has been rejected by the County, remove it from the site and replace it with conforming Work. Contractor shall bear all direct, indirect and consequential costs of such correction or removal (including, but not limited to fees and charges of engineers, architects, attorneys and other professionals) made necessary thereby, and shall hold the County harmless for same.

B. If any portion of the Work is defective, or Contractor fails to supply sufficient skilled workers with suitable materials or equipment, or fails to finish or perform the Work in such a way that the completed Work will conform to the Contract Documents, the County may order Contractor to stop the Work, or any portion thereof, until the cause for such stop in the work has been eliminated; however, this right of the County to stop the Work shall not give rise to any duty on the part of the County to exercise this right for the benefit of Contractor or any other party.

C. If Contractor fails, within a reasonable time after the written notice from the County, to correct defective Work or to remove and replace rejected defective Work as required by the County, or if Contractor fails to perform the Work in accordance with the Contract Documents, or if Contractor fails to comply with any of the provisions of the Contract Documents, the County may, after seven (7) days written notice to Contractor, correct and remedy any such deficiency.

## **Section 29. Supervision and Superintendents**

Contractor shall plan, organize, supervise, schedule, monitor, direct and control the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. Contractor shall be responsible to see that the finished Work complies accurately with the Contract Documents. Contractor shall keep on the Work at all times during its progress a competent resident superintendent, who shall not be replaced without prior written notice to the County and Engineer except under extraordinary circumstances. The superintendent shall be Contractor's representative at the Project site and shall have authority to act on behalf of Contractor. All communications given to the superintendent shall be as binding as if given to the Contractor.

### **Section 30. Protection of Work**

Contractor shall fully protect the Work from loss or damage and shall bear the cost of any such loss or damage until final payment has been made. If Contractor or any one for whom Contractor is legally liable is responsible for any loss or damage to the Work, or other work or materials of the County or the County's separate contractors, Contractor shall be charged with the same, and any monies necessary to replace such loss or damage shall be deducted from any amounts due Contractor.

### **Section 31. Emergencies**

In the event of an emergency affecting the safety or protection of persons or the Work or property at the Project site or adjacent thereto, Contractor, without special instruction or authorization from the County is obligated to act to prevent threatened damage, injury or loss. Contractor shall give County written notice within forty-eight (48) hours after the occurrence of the emergency, if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused thereby. If the County determines that a change in the Contract Documents is required because of the action taken in response to an emergency, a Change Order shall be issued to document the consequences of the changes or variations. If Contractor fails to provide the forty-eight (48) hour written notice noted above, the Contractor shall be deemed to have waived any right it otherwise may have had to seek an adjustment to the Contract Amount or an extension to the Contract Time.

### **Section 32. Use of Premises**

Contractor shall confine all construction equipment, the storage of materials and equipment and the operations of workers to the Project site and land and areas identified in and permitted by the Contract Documents and other lands and areas permitted by law, rights of way, permits and easements, and shall not unreasonably encumber the Project site with construction equipment or other material or equipment. Contractor shall assume full responsibility for any damage to any such land or area, or to the owner or occupant thereof, or any land or areas contiguous thereto, resulting from the performance of the Work.

### **Section 33. Safety**

A. Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work. Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to:

- A.1. All employees on the Work and other persons and/or organizations who may be affected thereby;
- A.2. All the Work and materials and equipment to be incorporated therein,

whether in storage on or off the Project site; and

- A.3. Other property on Project site or adjacent thereto, including trees, shrubs, walks, pavements, roadways, structures, utilities and any underground structures or improvements not designated for removal, relocation or replacement in the Contract Documents.

B. Contractor shall comply with all applicable codes, laws, ordinances, rules and regulations of any public body having jurisdiction for the safety of persons or property or to protect them from damage, injury or loss. Contractor shall erect and maintain all necessary safeguards for such safety and protection. Contractor shall notify owners of adjacent property and of underground structures and improvements and utility owners when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation or replacement of their property. Contractor's duties and responsibilities for the safety and protection of the Work shall continue until such time as the Work is completed and final acceptance of same by the County has occurred.

C. Contractor shall designate a responsible representative at the Project site whose duty shall be the prevention of accidents. This person shall be Contractor's superintendent unless otherwise designated in writing by Contractor to the County.

#### **Section 34. Project Meetings**

Prior to the commencement of Work, the Contractor shall attend a preconstruction conference with the Engineer and others as appropriate to discuss the Progress Schedule, procedures for handling shop drawings and other submittals, and for processing Applications for Payment, and to establish a working understanding among the parties as to the Work. During the prosecution of the Work, the Contractor shall attend any and all meetings convened by the County with respect to the Project, when directed to do so by the County. Contractor shall have its subcontractors and suppliers attend all such meetings (including the preconstruction conference) as may be directed by the County.

#### **Section 35. Notices**

A. All notices required or made pursuant to this Agreement by the Contractor to the County or Engineer shall be in writing and delivered by hand or by United States Postal Service Department, first class mail, postage pre-paid, return receipt requested, or by Federal Express, addressed to the following:

County

David Kraus, Columbia County Administrator  
135 NE Hernando Avenue, Suite 203  
Lake City, Florida 32056-1529

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\_\_\_\_\_  
\_\_\_\_\_

With courtesy copies also provided to:

Joel F. Foreman, County Attorney Columbia County, Florida  
207 S. Marion Avenue Lake City, Florida 32025

Kevin Kirby, Public Works Director Columbia County, Florida  
Post Office Box 969  
Lake City, Florida 32056-0969

B. All notices required or made pursuant to this Agreement by the County to Contractor shall be made in writing and shall be delivered by hand or by United States Postal Service Department, first class mail, postage pre-paid, return receipt requested, or by Federal Express, addressed to the following:

Corporate Name of Contractor: \_\_\_\_\_

Address (including city, state and zip): \_\_\_\_\_

Name of person with their title and attention the notice should be sent:

\_\_\_\_\_

Telephone and Fax numbers: \_\_\_\_\_

Email Address: \_\_\_\_\_

C. Either party may change its above noted address by giving written notice to the other party in accordance with the requirements of this Section.

**Section 36. Modification**

No modification or change to the Agreement shall be valid or binding upon the parties unless in writing and executed by the party or parties intended to be bound by it.

**Section 37. Successors and Assigns**

Subject to other provisions hereof, the Agreement shall be binding upon and shall inure to the benefit of the successors and assigns of the parties to the Agreement.

**Section 38. Governing Law**

The Agreement shall be interpreted under and its performance governed by the laws of the

State of Florida.

**Section 39. Venue**

The state courts in and for Columbia County, Florida shall be the proper and sole venue for any legal action on any and all claims, disputes or other matters in controversy arising out of or relating to this Agreement, whether stated as contractual, tort, equitable, statutory or any other claims or causes of action.

**Section 40. No Waiver**

The failure of the County to enforce at any time or for any period of time any one or more of the provisions of the Agreement shall not be construed to be and shall not be a waiver of any such provision or provisions or of its right thereafter to enforce each and every such provision.

**Section 41. Remedies Cumulative**

No right or remedy in this Agreement is intended to be exclusive of any other right or remedy, but every such right or remedy shall be cumulative and shall be in addition to and not a limitation of any duties, obligations, rights and remedies otherwise imposed or available by law.

**Section 42. Entire Agreement**

Each of the parties hereto agrees and represents that the Agreement comprises the full and entire agreement between the parties affecting the Work contemplated, and no other agreement or understanding of any nature concerning the same has been entered into or will be recognized, and that all negotiations, acts, work performed, or payments made prior to the execution hereof shall be deemed merged in, integrated and superseded by the Agreement.

**Section 43. Severability**

Should any provision of the Agreement be determined by a court to be unenforceable, such a determination shall not affect the validity or enforceability of any other section or part thereof.

**Section 44. Third Party Beneficiaries**

It is specifically agreed between the parties executing this Agreement that it is not intended by any of the provisions of any part of the Agreement to create in the public or any member thereof, a third party beneficiary under this Agreement, or to authorize anyone not a party to this Agreement to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of this Agreement.

**Section 45. Public Records**

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS at [bccadmin@columbiacountyfla.com](mailto:bccadmin@columbiacountyfla.com) or call (386) 758-1326 or P.O. Box 1529 Lake City, FL 32056.**

Contractor must comply with the public records laws, Florida Statute chapter 119, specifically Contractor must:

- A. Keep and maintain public records required by the County to perform the service.
- B. Upon request from the County's custodian of public records, provide the County with a copy of the requested records or allow the records to be inspected or copied within a reasonable time 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 for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the County.
- D. Upon completion of the contract, transfer, at no cost, to the County all public records in possession of the contractor or keep and maintain public records required by the County to perform the service. If the contractor transfers all public records to the public agency upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon completion of the contract, the contractor shall meet all applicable requirements for retaining the public records. All records stored electronically must be provided to the public agency, upon the request from the public agency's custodian of public records, in a format that is compatible with the information technology systems of the public agency.

**IN WITNESS WHEREOF**, the parties have executed this Agreement on the date(s) indicated above.

CONTRACTOR: \_\_\_\_\_  
(Company Name)

ATTEST:

By: \_\_\_\_\_ (Signature) \_\_\_\_\_ (Printed)

Its: \_\_\_\_\_ (Title)

Date: \_\_\_\_\_

Witness:

Its: \_\_\_\_\_

President/Corporate Secretary/Witness  
[Corporate Seal]

Date: \_\_\_\_\_

\_\_\_\_\_  
2nd Witness (if not incorporated)

OWNER: Board of County Commissioners of Columbia County, Florida

(SEAL)

By: \_\_\_\_\_  
Chairman

Clerk: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Approved as to Form and Content:

\_\_\_\_\_  
County Attorney

**EXHIBIT A**  
**LEGAL**  
**ADVERTISEMENT**

**EXHIBIT B**  
**INVITATION TO BID**

**EXHIBIT C**  
**BID PROPOSAL WITH REQUIRED FORMS**

**EXHIBIT D**  
**PERFORMANCE BOND**

BOND NO. \_\_\_\_\_

KNOW ALL MEN BY THESE PRESENTS: That \_\_\_\_\_  
\_\_\_\_\_, as Principal, whose principal business address is  
\_\_\_\_\_ and phone number is \_\_\_\_\_, and  
\_\_\_\_\_, as Surety, whose principal  
address is \_\_\_\_\_

and phone number is: \_\_\_\_\_ are  
held and firmly bound to Columbia County, Florida (the "COUNTY"), as Obligee in the sum  
of: \_\_\_\_\_

(\$ \_\_\_\_\_) for the payment whereof we bond ourselves, our heirs, executors,  
personal representatives, successors and assigns, jointly and severally.

WHEREAS, Principal has entered into a contract dated as of the \_\_\_\_\_ day of  
\_\_\_\_\_, 20\_\_\_\_, with Obligee for \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ COLUMBIA COUNTY Project  
No.: \_\_\_\_\_ in accordance with drawings and specifications,  
which contract is incorporated by reference and made a part hereof, and is referred to as the  
Contract.

THE CONDITION OF THIS BOND is that if Principal:

1. Performs the Contract at the times and in the manner prescribed in the Contract; and
2. Pays Obligee any and all losses, damages, costs and attorneys' fees, including appellate proceedings, that Obligee sustains because of any default by Principal under the Contract, including, but not limited to, all delay damages, whether liquidated or actual, incurred by Obligee; and
3. Performs the guarantee of all work and materials furnished under the Contract for the time specified in the Contract, then this bond is void; otherwise it remains in full force.

Any changes in or under the Contract and compliance or noncompliance with any formalities connected with the Contract or the changes do not affect Surety's obligation under this Bond.

The Surety, for value received, hereby stipulates and agrees that no changes, extensions of time, alterations or additions to the terms of the Contract or other work to be performed hereunder, or the specifications referred to therein shall in anywise affect its obligations under this bond, and it does hereby waive notice of any such changes, extensions of time, alterations or additions to the terms of the Contract or to work or to the specifications.

This bond is intended to comply with provisions of Section 255.05, Florida Statutes, and all terms and conditions of said statute are incorporated herein by reference thereto, specifically including but not limited to the notice and time limitation provisions of said section. In the event of any conflict, ambiguity or discrepancy between Section 255.05, Florida Statutes, and this Bond, Florida Statutes shall control. No right of action shall accrue on this Bond to or, for the use of any person or entity other than the COUNTY and those persons or corporations provided for by said statute, their heirs, executors, administrators, successors or assigns.

It is further agreed and understood that if the COUNTY is required to initiate legal proceedings to recover on this Bond, the COUNTY may also recover its costs relating there to, including a reasonable amount for its attorney's fees and legal assistant's fees before trial, at trial, on appeal and in bankruptcy.

IN WITNESS WHEREOF, the above parties have executed this instrument this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, the name of each party being affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Signed, sealed and delivered  
in the presence of:

PRINCIPAL: \_\_\_\_\_  
(Company Name of Contractor)

By: \_\_\_\_\_ (Officers Signature)  
\_\_\_\_\_ (Officers Name Printed)

Witnesses as to Principal Name: \_\_\_\_\_ (Signature)  
Its: \_\_\_\_\_ (Title)

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, by \_\_\_\_\_ (officer's name), as \_\_\_\_\_ (title) of \_\_\_\_\_ (company name), a(n) \_\_\_\_\_ (state) corporation, on behalf of the corporation. He/she is personally known to me OR has produced \_\_\_\_\_ as identification and did (did not) take an oath.

My Commission Expires: \_\_\_\_\_

Signature of Notary: \_\_\_\_\_  
(Legibly Printed) \_\_\_\_\_

(AFFIX OFFICIAL SEAL)

Notary Public, State of \_\_\_\_\_

Commission No. \_\_\_\_\_

ATTEST: SURETY:

\_\_\_\_\_  
(Printed Company Name)

\_\_\_\_\_  
(Business Address)

\_\_\_\_\_  
(Surety Authorized Signature)

\_\_\_\_\_  
(Printed Name)

Witness as to Surety \_\_\_\_\_ (Signature)

\_\_\_\_\_ (Printed Name)

**OR**

\_\_\_\_\_  
As Attorney in Fact (Signature)

\_\_\_\_\_  
(Printed Name)

**(Attach Power of Attorney)**

Witnessed by:

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name)

\_\_\_\_\_  
(Business Address)

\_\_\_\_\_  
(Telephone Number)

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by \_\_\_\_\_ (officer's name), as \_\_\_\_\_ (title) of \_\_\_\_\_ Surety, on behalf of Surety. He/She is personally known to me OR has produced \_\_\_\_\_ as identification and who did (did not) take an oath.

My Commission Expires: \_\_\_\_\_

Signature of Notary: \_\_\_\_\_  
(Legibly Printed) \_\_\_\_\_

(AFFIX OFFICIAL SEAL) Notary Public, State of \_\_\_\_\_

Commission No. \_\_\_\_\_

**EXHIBIT E**  
**PUBLIC PAYMENT BOND**

BOND No. \_\_\_\_\_

KNOW ALL MEN BY THESE PRESENTS: That \_\_\_\_\_  
\_\_\_\_\_, as Principal, whose principal business address is:

\_\_\_\_\_ and phone number and fax numbers are: \_\_\_\_\_  
and \_\_\_\_\_, as Surety, whose  
principal address is:

\_\_\_\_\_ and phone number and fax numbers are: \_\_\_\_\_ are held  
and firmly bound to COLUMBIA COUNTY, FLORIDA (the "COUNTY") as Obligee in the sum  
of \_\_\_\_\_ (\$ \_\_\_\_\_)

for the payment whereof we bind ourselves, our heirs, executors, personal representatives,  
successors and assigns, jointly and severally.

WHEREAS, Principal has entered into a contract dated as of the \_\_\_\_ day of \_\_\_\_\_,  
20\_\_\_\_, with Obligee for \_\_\_\_\_  
in accordance with drawings and specifications, which contract is incorporated by reference and  
made a part hereof, and this referred to as the Contract.

THE CONDITION OF THIS BOND is that if Principal promptly makes payment to all  
claimants as defined in Section 255.05(1), Florida Statutes, supplying Principal with labor, materials  
or supplies, used directly or indirectly by Principal in the prosecution of the work provided for in the  
Contract, then is bond is void; otherwise it remains in full force.

Any changes in or under the Contract and compliance or noncompliance with any formalities  
connected with the Contract or the changes do not affect Surety's obligation under this Bond.

The provisions of this bond are subject to the time limitations of Section 255.05(2). In no  
event will the Surety be liable in the aggregate to claimants for more than the penal sum of this  
Payment Bond, regardless of the number of suits that may be filed by claimants.

IN WITNESS WHEREOF, the above parties have executed this instrument this \_\_\_\_ day of  
\_\_\_\_\_, 20\_\_\_\_, the name of each party being affixed and these presents duly signed by its  
under-signed representative, pursuant to authority of its governing body.

Signed, sealed and delivered in the presence of:

PRINCIPAL: \_\_\_\_\_  
(Company Name of Contractor)

By: \_\_\_\_\_ (Officer's Signature)  
\_\_\_\_\_ (Officer's Name Printed)

Witnesses as to Principal Name: \_\_\_\_\_ (Signature)  
Its: \_\_\_\_\_ (Title)

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

The foregoing instrument was acknowledged before me this \_\_\_ day of \_\_\_\_\_, 20\_\_\_\_,  
by \_\_\_\_\_ (officer's name), as  
\_\_\_\_\_ (title) of \_\_\_\_\_, a  
\_\_\_\_\_ corporation, on behalf of the corporation. He/she is personally known to me OR has  
produced \_\_\_\_\_ as identification and did (did not) take an oath.

My Commission Expires: \_\_\_\_\_

Signature of Notary: \_\_\_\_\_

(Legibly Printed) \_\_\_\_\_

(AFFIX OFFICIAL SEAL)

Notary Public, State of \_\_\_\_\_

Commission No.: \_\_\_\_\_

ATTEST: SURETY:

\_\_\_\_\_  
(Printed Company Name)

\_\_\_\_\_  
(Business Address)

\_\_\_\_\_  
(Surety Authorized Signature)

\_\_\_\_\_  
(Printed Name)

Witness as to Surety: \_\_\_\_\_ (Signature)

OR \_\_\_\_\_ (Printed Name)

\_\_\_\_\_  
As Attorney in Fact (Signature) (Printed Name)

**(Attach Power of Attorney)**

Witnessed by: \_\_\_\_\_  
(Signature) (Printed Name)

\_\_\_\_\_  
(Business Address)

\_\_\_\_\_  
(Telephone Number)

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of\_, 20\_\_\_\_, by \_\_\_\_\_ (officer's name), as \_\_\_\_\_ (title) of \_\_\_\_\_ Surety, on behalf of Surety. He/She is personally known to me OR has produced \_\_\_\_\_ as identification and who did (did not) take an oath.

My Commission Expires: \_\_\_\_\_

Signature of Notary: \_\_\_\_\_

(Legibly Printed) \_\_\_\_\_

(AFFIX OFFICIAL SEAL)

Notary Public, State of \_\_\_\_\_

Commission No: \_\_\_\_\_

**EXHIBIT F**  
**INSURANCE REQUIREMENTS**  
**CERTIFICATES OF INSURANCE**

(1) The Contractor shall obtain and maintain such insurance as will protect it from: (1) claims under worker's compensation laws, disability benefit laws, or other similar employee benefit laws; (2) claims for damages because of bodily injury, occupational sickness or disease or death of his employees including claims insured by usual personal injury liability coverage; (3) claims for damages because of bodily injury, sickness or disease, or death of any person other than his employees including claims insured by usual personal injury liability coverage; and (4) from claims for injury to or destruction of tangible property including loss of use resulting there from -- any or all of which claims may arise out of, or result from, the services, work and operations carried out pursuant to and under the requirements of the Contract Documents, whether such services, work and operations be by the Contractor, its employees, or by subcontractor(s), or anyone employed by or under the supervision of any of them, or for whose acts any of them may be legally liable.

(2) This insurance shall be obtained and written for not less than the limits of liability specified hereinafter, or as required by law, whichever is greater.

(3) The Contractor shall require, and shall be responsible for assuring throughout the time the Agreement is in effect, that any and all of its subcontractors obtain and maintain until the completion of that subcontractor's work, such of the insurance coverages described herein as are required by law to be provided on behalf of their employees and others.

(4) The Contractor shall obtain, have and maintain during the entire period of the Agreement insurance policies, which contain the following information and provisions:

- (A) The name and type of policy and coverages provided;
- (B) The amount or limit applicable to each coverage provided;
- (C) The date of expiration of coverage;
- (D) The designation of the COUNTY as an additional insured and a certificate holder. (This requirement may be exempted for Workers' Compensation and professional liability Insurance.);
- (E) The following clause must appear on the Certificate of Insurance:

Should any material change occur in any of the above described policies or should any of said policies be canceled before the expiration date thereof, the issuing company will mail at least thirty (30) days written notice to the COUNTY.

(5) If the initial, or any subsequently issued Certificate of Insurance expires prior to the completion of the Work or termination of the Agreement, the Contractor shall furnish to the COUNTY, in triplicate, renewal or replacement Certificate(s) of Insurance not later than thirty (30) calendar days prior to the date of their expiration. Failure of the Contractor to provide the COUNTY

with such renewal certificate(s) shall be considered justification for the COUNTY to terminate the Agreement.

(6) Contractor shall include the COUNTY, the COUNTY's agents, officers and employees in the Contractor's General Liability and Automobile Liability policies as additional insureds.

(7) If the COUNTY has any objection to the coverage afforded by other provisions of the insurance required to be purchased and maintained by Contractor in accordance with the requirements of the Contract Documents on the basis of its not complying with the Contract Documents, the COUNTY shall notify Contractor in writing thereof within thirty (30) days of the delivery of such certificates to the COUNTY. Contractor shall provide to the COUNTY such additional information with respect to its insurance as may be requested.

(8) The Contractor shall obtain and maintain the following insurance coverages as provided hereinbefore, and in the type, amounts and in conformance with the following minimum requirements:

**WORKERS' COMPENSATION [REVISE AS NEEDED TO MEET COUNTY'S REQUIREMENTS]**

State: Statutory  
Applicable Federal:  
(e.g. Longshoremen's) Statutory  
Employer's Liability: \$1,000,000.00

**COMPREHENSIVE GENERAL LIABILITY**

Bodily Injury: \$1,000,000.00 Each Occurrence  
Property Damage: \$1,000,000.00 Each Occurrence

Comprehensive General Liability Insurance shall include:

Contractual Liability, Explosion, Collapse and Underground Coverages and Products and Completed Operations Coverages.

**COMPREHENSIVE AUTOMOBILE LIABILITY**

Bodily Injury: \$1,000,000.00 Each Occurrence  
Property Damage: \$1,000,000.00 Each Occurrence

Comprehensive Automobile Liability shall include coverage for any owned auto, non-owned autos and hired autos.

**EXHIBIT G**  
**RELEASE AND AFFIDAVIT**

COUNTY OF \_\_\_\_\_

STATE OF FLORIDA

Before me, the undersigned authority, personally appeared \_\_\_\_\_  
\_\_\_\_\_, who after being duly sworn, deposes and says:

(1) In accordance with the Contract Documents and in consideration of \$ \_\_\_\_\_ paid, \_\_\_\_\_ ("Contractor") releases and waives for itself and its subcontractors, materialmen, s u c c e s s o r s and assigns, all claims demands, damages, costs and expenses, whether in contract or in tort, against Columbia County, Florida (the "COUNTY"), its Board of County Commissioners, employees and agents relating in any way to the performance of the Agreement between Contractor and the COUNTY, dated \_\_\_\_\_, \_\_\_\_\_, for the period from \_\_\_\_\_ to \_\_\_\_\_.

(2) Contractor certifies for itself and its subcontractors, materialmen, successors and assigns, that all charges for labor, materials, supplies, lands, licenses and other expenses for which the COUNTY might be sued or for which a lien or a demand against any payment bond might be filed, have been fully satisfied and paid.

(3) Contractor agrees to indemnify, defend and save harmless the COUNTY, its Board of County Commissioners, employees and agents from all demands or suits, actions, claims of liens or other charges filed or asserted against the COUNTY arising out of the performance by Contractor of the Work covered by this Release and Affidavit.

(4) This Release and Affidavit is given in connection with Contractor's [monthly/final] Application for Payment No. \_\_\_\_\_.

CONTRACTOR:

\_\_\_\_\_  
By: \_\_\_\_\_ (signature of the executive officer)

Its: \_\_\_\_\_ (title of the executive officer)

Date: \_\_\_\_\_

Witnesses

\_\_\_\_\_

[Corporate Seal]

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by \_\_\_\_\_, as \_\_\_\_\_ of \_\_\_\_\_, a \_\_\_\_\_ corporation, on behalf of the corporation. He/she is personally known to me or has produced \_\_\_\_\_ as identification and did (did not) take an oath.

My Commission Expires: \_\_\_\_\_  
(Signature of Notary)

Name: \_\_\_\_\_  
(Legibly Printed)

(AFFIX OFFICIAL SEAL)

Notary Public, State of \_\_\_\_\_

Commission No.: \_\_\_\_\_

**EXHIBIT H**  
**CHANGE ORDER FORM**

CHANGE ORDER NO. \_\_\_\_\_ COLUMBIA COUNTY PROJECT NO. \_\_\_\_\_

TO: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DATE: \_\_\_\_\_

PROJECT NAME: \_\_\_\_\_

Columbia County Project No. \_\_\_\_\_

Under our AGREEMENT dated \_\_\_\_\_.

\*\*\*\*\*

You hereby are authorized and directed to make the following change(s) in accordance with terms and conditions of the Agreement:

\_\_\_\_\_  
\_\_\_\_\_

FOR THE ADDITIVE or DEDUCTIVE Sum of:  
\_\_\_\_\_ (\$ \_\_\_\_\_).

Original Agreement Amount	\$ _____
Sum of Previous Changes	\$ _____
This Change Order ADD/DEDUCT	\$ _____
Present Agreement Amount	\$ _____

The time for completion shall be (increased/decreased) by \_\_\_\_\_ calendar days due to this Change Order. Accordingly, the Contract Time is now \_\_\_\_\_ ( ) calendar days and the final completion date is \_\_\_\_\_. Your acceptance of this Change Order shall constitute a modification to our Agreement and will be performed subject to all the same terms and conditions as contained in our Agreement indicated above, as fully as if the same were repeated in this acceptance. The adjustment, if any, to the Agreement shall constitute a full and final settlement of any and all claims arising out of or related to the change set forth herein, including claims for impact and delay costs.

Accepted: \_\_\_\_\_, 20 \_\_\_\_.

COLUMBIA COUNTY, FLORIDA

CONTRACTOR

By: \_\_\_\_\_  
Chair

By: \_\_\_\_\_  
President

ENGINEER: By: \_\_\_\_\_

**EXHIBIT I**  
**NOTICE OF AWARD**

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INSERT THE NOTICE OF AWARD BEHIND THIS COVER PAGE

**EXHIBIT J**

**NOTICE TO PROCEED**

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INSERT THE NOTICE TO PROCEED BEHIND THIS COVER PAGE

**EXHIBIT K**

**APPLICATION FOR PAYMENT**

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INSERT THE APPLICATION FOR PAYMENT BEHIND THIS COVER PAGE