

**COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS
COLUMBIA COUNTY PROJECT NUMBER 2023-02**

BIRLEY ROAD RECONSTRUCTION

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received in the County Manager's office until **2:00 P.M.** on **July 18, 2023**, for Columbia County Project No. **2023-02**. This office is located on the second floor of the Courthouse Annex at 135 Hernando Avenue, Room 203 Lake City FL 32055.

This project consists of the reconstruction of Birley Road. Major items of work will include maintenance of traffic, erosion control, clearing and grubbing, earthwork, drainage, base reclamation, asphalt paving, grassing, signs and new pavement markings.

The Bid Forms and Construction specifications may be obtained from the County's web site at <http://www.columbiacountyfla.com/PurchasingBids.asp>. Deadline for questions regarding specifications and/or bid documents must be received before **5:00 P.M.** on **July 14, 2023**.

The successful bidder will be required to furnish a 5% bid bond with bid submittal, and if selected, furnish the County Manager with a performance bond and proof of liability insurance prior to commencing work.

The Columbia County Commission reserves 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.

**COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS
COLUMBIA COUNTY PROJECT NUMBER 2023-02**

BIRLEY ROAD RECONSTRUCTION

Gentlemen:

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.

FILL IN ALL UNIT PRICES AND ALL ITEM TOTALS FOR ALL PAY ITEMS SHOWN ON THE NEXT PAGE.

ACKNOWLEDGE THE RECEIPT OF THE ADDENDUMS BY FILLING IN THE TABLE BELOW.

SIGNATURE

ADDENDA	
NUMBER	DATE SENT

**COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS
COLUMBIA COUNTY PROJECT NUMBER 2023-02**

BIRLEY ROAD RECONSTRUCTION

BID TABULATION FOR BIRLEY ROAD					
Pay Item No.	Pay Item Description	Quantity	Units	Unit Price	Total Cost
101-1	Mobilization	1	LS		
101-2	Maintenance of Traffic	1	LS		
104-1-3	Sediment Barrier	6500	LF		
110-1	Clearing & Grubbing	9.6	AC		
110-4-10	Removal of Existing Concrete Pavement	311	SY		
110-7-1	Mailboxes, Furnish and Install	39	EA		
120-2	Borrow Excavation	3993	CY		
120-71	Regular Excavation (3-R Projects Only)	2779	CY		
210-1	Reworking Limerock Base	50024.6	SY		
210-2	Limerock, New Material for Reworking Base	2785	CY		
285-70-8	Optional Base Group 8	9264	SY		
286-1	Turnout Construction	4101	SY		
334-1-13	Superpave Asphaltic Conc. Traffic C	7658	TN		
430-174-118	Pipe Culvert, Optional Material, Round 18" S/CD	380	LF		
430-982-125	Mitered End Section, Opt, Round, 18" S/CD	10	EA		
522-2	Concrete Sidewalk and Driveways, 6" Thick	517.2	SY		
546-71-1	Raised Rumble Strip Set - Permanent	8	PS		
570-1-1	Performance Turf	22233	SY		
571-1-2	Performance Turf, Sod	13220	SY		
700-1-11	Single Post Sign, F&I Ground Mount, Up to 12 SF	32	AS		
700-1-60	Single Post Sign, Remove	21	AS		
705-11-1	Tubular, Flexible Delineator	10	EA		
706-1-3	Retroreflective Raised Pavement Markers	417	EA		
710-90	Painted Pavement Markings, Final Surface	1	LS		
*	Painted Pavement Markings, White, Solid, 24" For Stop Line	133	LF		
*	Painted Pavement Markings, White, Solid, 6"	6.24	GM		
*	Painted Pavement Markings, Yellow, Solid 6"	3.76	GM		
*	Painted Pavement Markings, Yellow, Skip 6"	1.49	GM		
		GRAND TOTAL			
* to be included in lump sum price for 710-90					

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**

**COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS
COLUMBIA COUNTY PROJECT NUMBER 2023-02**

BIRLEY ROAD RECONSTRUCTION

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 23

(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 NUMBER 2023-02**

BIRLEY ROAD RECONSTRUCTION

General Requirements

I. General.

This project is for the reconstruction of Birley Road. Major items of work will include maintenance of traffic, erosion control, clearing and grubbing, drainage, base reclamation, asphalt paving, grassing, signs and new pavement markings.

II. Contract Time

The contract time shall be 160 days from the date of contract execution. The contractor will be required to return executed contract to the Columbia County Purchasing Director and Chad Williams, Columbia County Engineer, within 14 days of Board approval. Time can be extended by mutual agreement of both parties. Liquidated damages shall be set by the most recent Florida Department of Transportation's Standard Specification for Road and Bridge Construction. No work is allowed on Saturdays, Sundays, and/or County designated holidays.

Contractor shall provide a construction schedule with the bid package detailing time frames/lines showing how the project will be constructed. The schedule will be taken into consideration in the bid review process. Bids submitted without the schedule could be reason for a bid to not receive full consideration.

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.

V. Compensation

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

**COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS
COLUMBIA COUNTY PROJECT NUMBER 2023-02**

BIRLEY ROAD RECONSTRUCTION

Purchasing Department – General Instructions to Bidders

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 character, integrity, reputation, judgment, experience and efficiency of bidder.
 - D. The performance of previous contracts with Columbia County.
 - E. The suitability of equipment or material or county use.
 - F. The ability of bidder to provide future maintenance
2. Payment Terms are net (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. All blanks on Bid Proposal sheet shall be filled in and unit price will prevail in case of 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 Director 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. No responsibility shall attach to any County representative or employee for the premature opening of bids not properly addressed or identified.
10. If only one (1) bid is received, the bid may be rejected and re-advertised or excepted if determined to be in the counties best interest.
11. Bids received late will not be accepted, and the County will not be responsible for

**COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS
COLUMBIA COUNTY PROJECT NUMBER 2023-02**

BIRLEY ROAD RECONSTRUCTION

late mail delivery.

12. Telephone and facsimile bids will not be acceptable in formal bid openings (sealed bids). Should a bid be misplaced by the County and found later, it will be considered. Any bidder may request and shall receive a receipt showing the day and time any bid is delivered to the appropriate office of the County from the personnel thereof.
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 where cost exceeds \$40,000.
14. All bidders must be recognized dealers in the materials or equipment specified and is qualified to advise in their application or use. A bidder at any time requested must satisfy the Purchasing Office and the County Manager that he has the requisite organization, capital, plant, stock ability and experience to satisfactorily execute the contract in accordance with the provisions of the contract in which he is interested.
15. Any alterations, erasures, additions, or admissions 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

**COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS
COLUMBIA COUNTY PROJECT NUMBER 2023-02**

BIRLEY ROAD RECONSTRUCTION

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. 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.
22. All materials, equipment and supplies shall be subject to rigid inspection, under the immediate supervision of the Public Works 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 Public Works 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 or 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.
23. Unless otherwise specified by the Public Works 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.
24. 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.
25. 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.
26. 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.
27. 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.
28. The County reserves the right to reject any and/or all quotations, to waive any minor discrepancies in the bids for all bidders equally, quotations, or specifications, when deemed to be in the best interest of the County and also to purchase any part, all or none of the materials, supplies, or equipment specified.

**COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS
COLUMBIA COUNTY PROJECT NUMBER 2023-02**

BIRLEY ROAD RECONSTRUCTION

29. Failure of the bidder to sign the bid or have the signature of an authorized representative or agent on the bid proposal in the space provided will be cause for rejection of the bid. Signature must be written in ink. Typewritten or printed signatures will not be acceptable.
30. Any bidder may withdraw his bid at any time before the time set for the opening of the bids. No bid may be withdrawn in the thirty- (30) day period after bids are opened.
31. 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 designee shall have the power to notify the aforesaid 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 Director, he shall thereupon have the power to take whatever action he may deem necessary to complete the work or delivery herein described, or any part thereof, and the expense thereof, so charged, shall be deducted from any paid by the County out of such monies as may become due to the said contractor, under and by virtue of this agreement. In case such expense shall exceed the last said sum, then and in that event, the bondsman or the contractor, his executors, administrators, successors, or assigns, shall pay the amounts of such excess to the County on notice made by the Purchasing Department or his designee of the excess due.
32. 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.
33. 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.
34. Contracts may be cancelled by the County with or without cause on thirty- (30) days advance written notice.
35. 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 upon request.

**COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS
COLUMBIA COUNTY PROJECT NUMBER 2023-02**

BIRLEY ROAD RECONSTRUCTION

36. 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.
37. 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.
38. 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 is pursuant to the contract with the County.
39. Contractor shall register online at <http://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.
40. Any existing materials demolished within County right of way may be retained by Columbia County.

CONTRACT PLANS COMPONENTS
ROADWAY PLANS
SIGNING AND PAVEMENT MARKINGS

CONTRACT PLANS

SW BIRLEY AVENUE WIDEN & RESURFACE

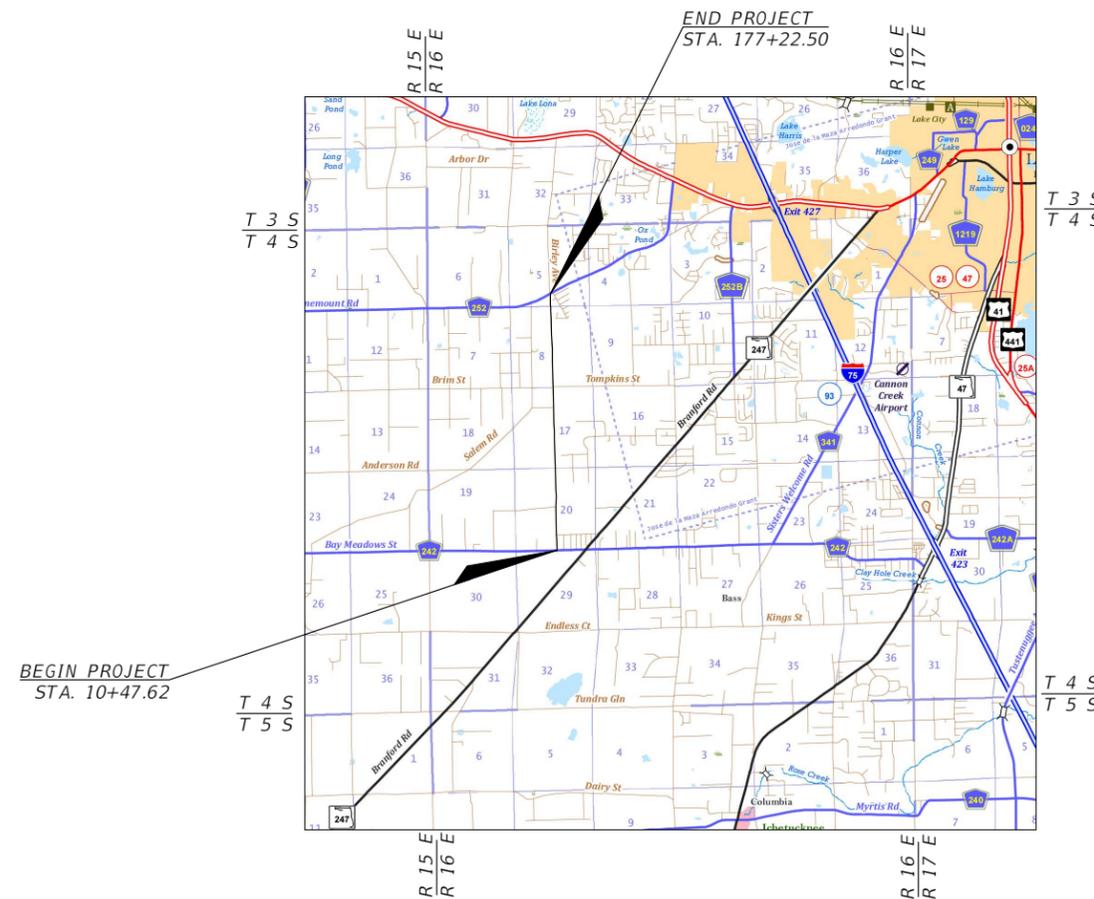
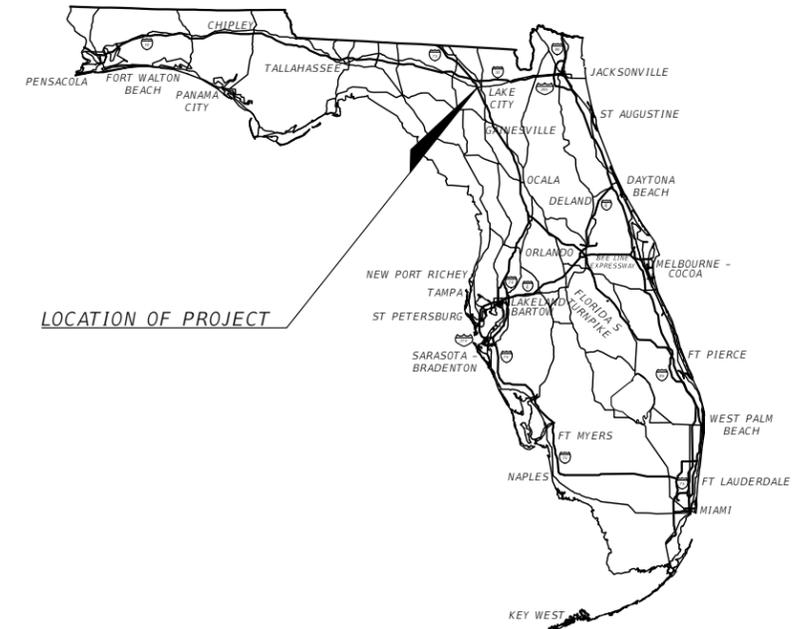
FINANCIAL PROJECT ID 447734-1
COUNTY PROJECT NO 2023-02

COLUMBIA COUNTY, FLORIDA

ROADWAY PLANS

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	TYPICAL SECTION
4-5	TURNOUT DETAILS
6	NOTES
7-22	PLAN SHEETS
23	SPECIAL DETAILS
24-24A	DRAINAGE STRUCTURES
25 - 83	CROSS SECTIONS
84	SWPPP
85	TEMPORARY TRAFFIC CONTROL PLAN
CNTL1	PROJECT CONTROL
SQ1 - SQ3	SUMMARY OF QUANTITIES



3.16 MILES

THESE PLANS WERE PREPARED
FOR THE COLUMBIA COUNTY
BOARD OF COMMISSIONERS

ROADWAY PLANS
ENGINEER OF RECORD:

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

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, FY2022-23 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>

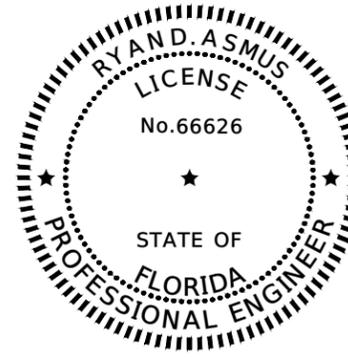
APPLICABLE IRs:

Standard Plans for Bridge Construction are included in the Structures Plans Component.

GOVERNING STANDARD SPECIFICATIONS:
Florida Department of Transportation, Jul, 2022 Standard Specifications for Road and Bridge Construction are available at the following website:

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

FISCAL YEAR	SHEET NO.
22	1



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY RYAN D. ASMUS 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.

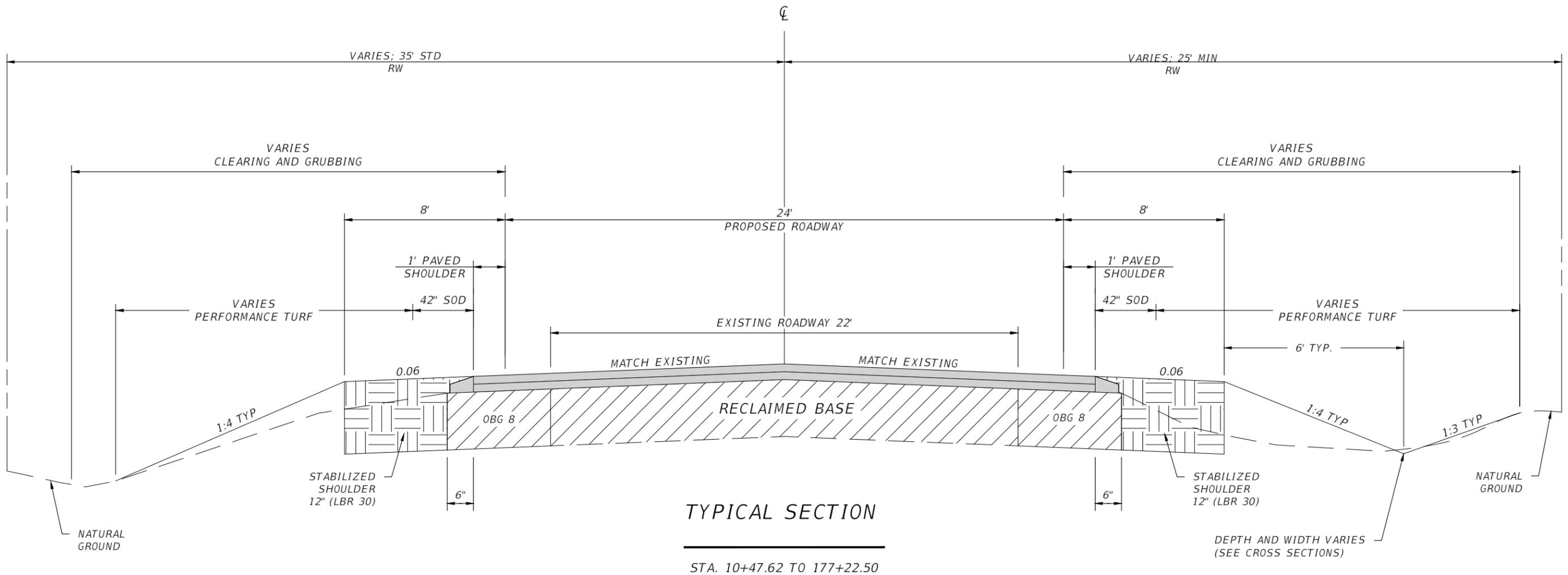
NORTH FLORIDA PROFESSIONAL SERVICES INC.
 P.O. BOX 3823
 LAKE CITY, FL 32056
 CERTIFICATE OF AUTHORIZATION: 29011
 RYAN D. ASMUS, P.E. NO. 66626

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

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	TYPICAL SECTION
4-5	TURNOUT DETAILS
6	NOTES
7-22	PLAN SHEETS
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SQ1 - SQ3	SUMMARY OF QUANTITIES

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		2
					BIRLEY AVE.	COLUMBIA	447734-1		



TYPICAL SECTION

STA. 10+47.62 TO 177+22.50

BASE RECLAMATION NOTES

1. EXCAVATE THE WIDENING TRENCH AND CONSTRUCT OBG 8 BASE, FLUSH WITH THE SURFACE OF THE EXISTING PAVEMENT.
2. PLACE A 2" LIFT OF LIMEROCK ACROSS THE EXISTING TRAVEL LANE PAVEMENT AND THE WIDENING AREA, USING A MECHANICAL SPREADER.
3. MIX THE ENTIRE WIDTH (27') TO A DEPTH OF 11" (AVERAGE). ADJUSTMENTS WILL BE NEEDED TO STAY ABOVE SUBBASE LAYER. SUBBASE LAYER IS NOT TO BE MIXED WITH RECLAIM MIXTURE.
4. SHAPE AND COMPACT THE COMPOSITE BASE MATERIAL.
5. PLACE STRUCTURAL COURSE OVER ENTIRE ROADWAY SURFACE.

PAVEMENT RECONSTRUCTION

COMPOSITE RECLAIMED BASE, 11" THICK WITH STRUCTURAL COURSE SP 12.5 (TRAFFIC C), (1.5") AND STRUCTURAL COURSE SP 9.5 (TRAFFIC C) (1.25")

DESIGN SPEED

STA. 10+47.62 TO STA. 21+00 = 40 MPH
 STA. 21+00 TO STA. 154+00 = 55 MPH
 STA. 154+00 TO STA. 177+22.50 = 40 MPH

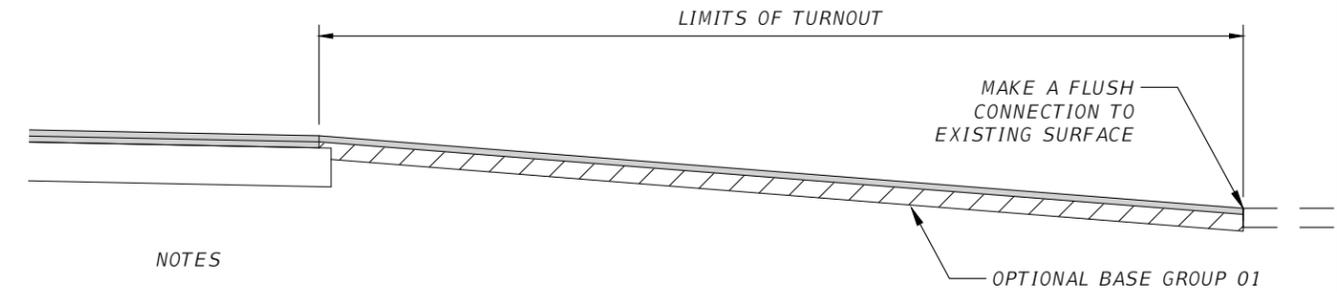
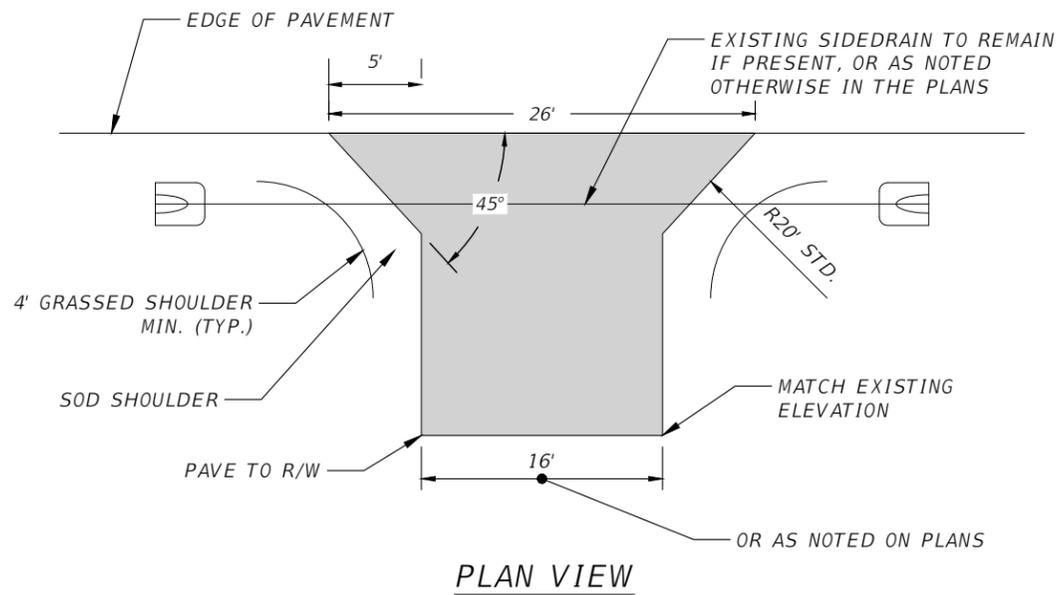
TRAFFIC DATA

APPROX. 2022 ADT= 1574

TYPICAL SECTION NOTES

1. CONSTRUCT SAFETY EDGE AS PER DETAILS ON SHEET 23.
2. THE FINISHED ROADWAY SURFACE WILL BE HIGHER THAN THE EXISTING SURFACE. TRANSITION TO SIDESTREETS AND AT ENDS OF THE PROJECT AS PER SPECIAL DETAIL ON SHEET 23.
3. THIS ROAD IS CLASSIFIED AS A RURAL COLLECTOR ON THE LOCAL ROAD SYSTEM.
4. FROM STA. 161+00 TO STA. 177+22.50, THE SHOULDER SLOPE IS 0.08 AS IT IS NECESSARY TO BE ABLE TO TIE IN WITH THE RESTRICTED R/W.

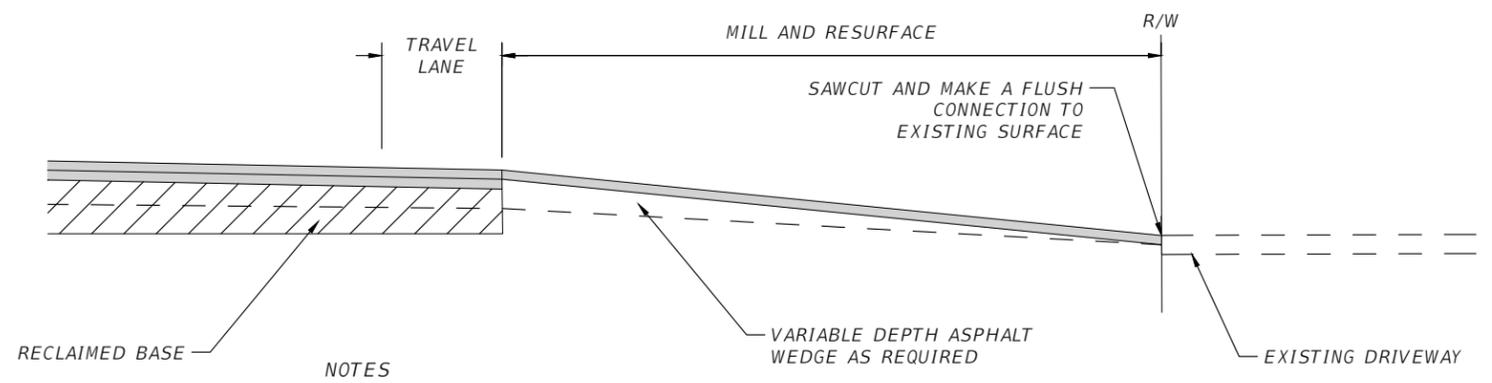
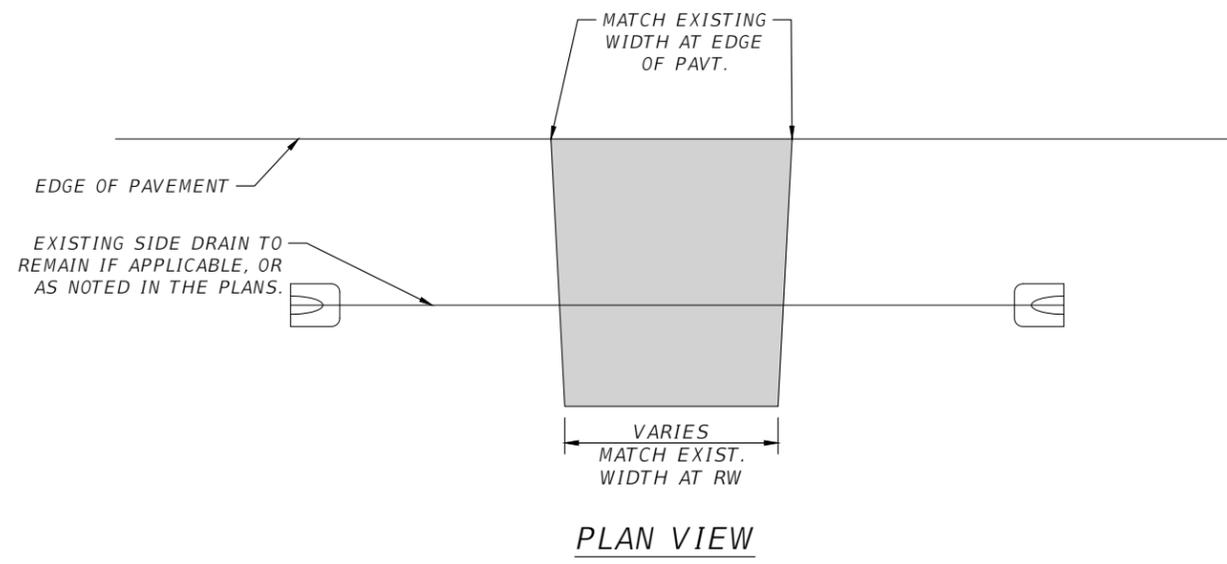
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			SHEET NO. 3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					BIRLEY AVE.	COLUMBIA	447734-1	



- NOTES
1. IF EXISTING GROUND ELEVATIONS RESULT IN A TURNOUT GRADE THAT EXCEEDS 6%, HOLD THE 6% GRADE FOR 15' THEN BUILD A WEDGE CONNECTION WITH LIMEROCK OR RAP MATERIAL.
 2. ALL MATERIAL AND WORK DONE TO COMPLETE TURNOUT IS TO BE PAID FOR UNDER TURNOUT CONSTRUCTION (EXCEPT ASPHALT PAVEMENT).

4" LIMEROCK BASE AND
TYPE SP 9.5 STRUCTURAL COURSE (TL-C) (1.25")

1 TURNOUT FOR EXISTING PRIVATE UNPAVED DRIVEWAYS
4 SCALE: N.T.S.



- NOTES
1. ALL MATERIAL AND WORK DONE TO COMPLETE TURNOUT IS TO BE PAID FOR UNDER TURNOUT CONSTRUCTION. (EXCEPT THE ASPHALT PAVEMENT)

2 PRIVATE TURNOUT FOR EX. PAVED DRIVEWAYS
4 SCALE: N.T.S.

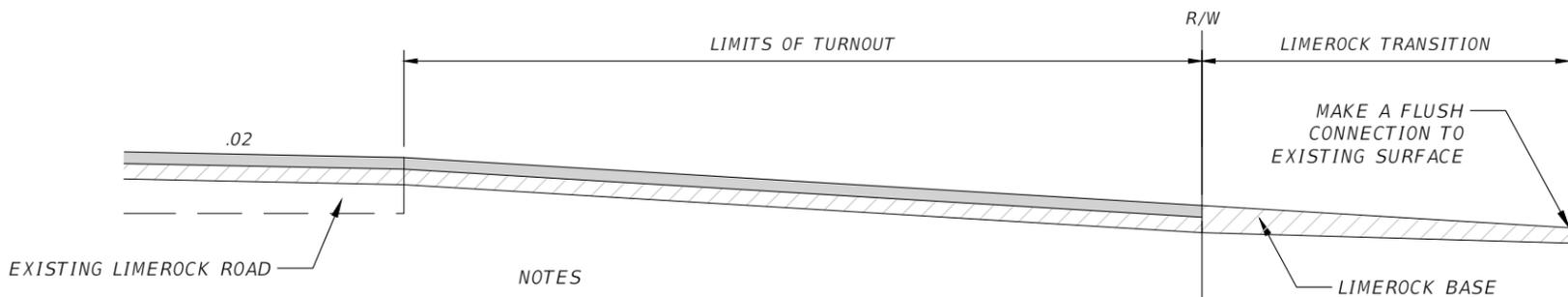
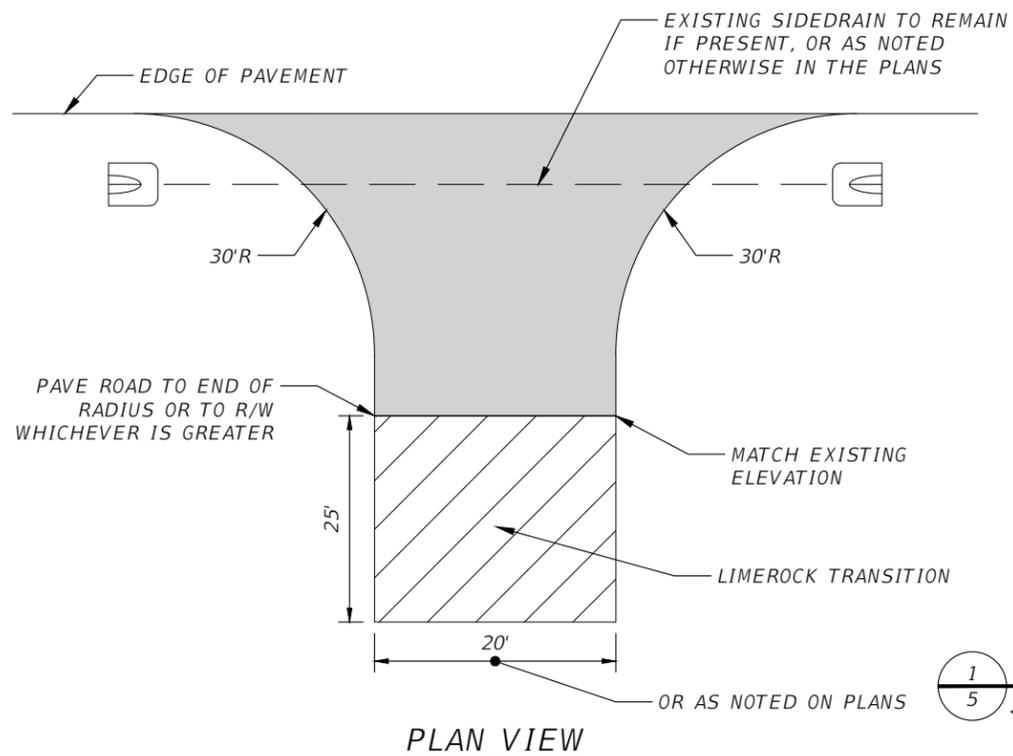
CONSTRUCT VARIABLE DEPTH ASPHALT WEDGE AND
TYPE SP 9.5 STRUCTURAL COURSE (TL-C) (1.25")

FOR EXIST. CONC. DRIVEWAYS,
SEE SHEET 23

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			SHEET NO. 4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1	

TURNOUT DETAILS

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



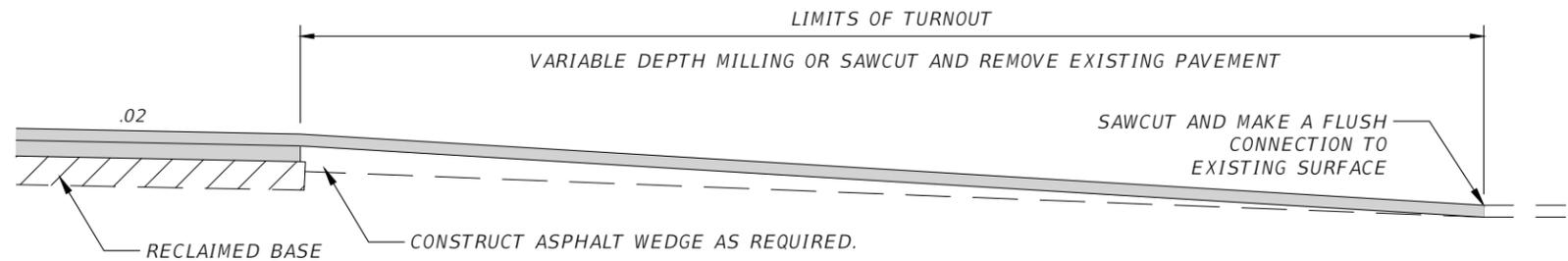
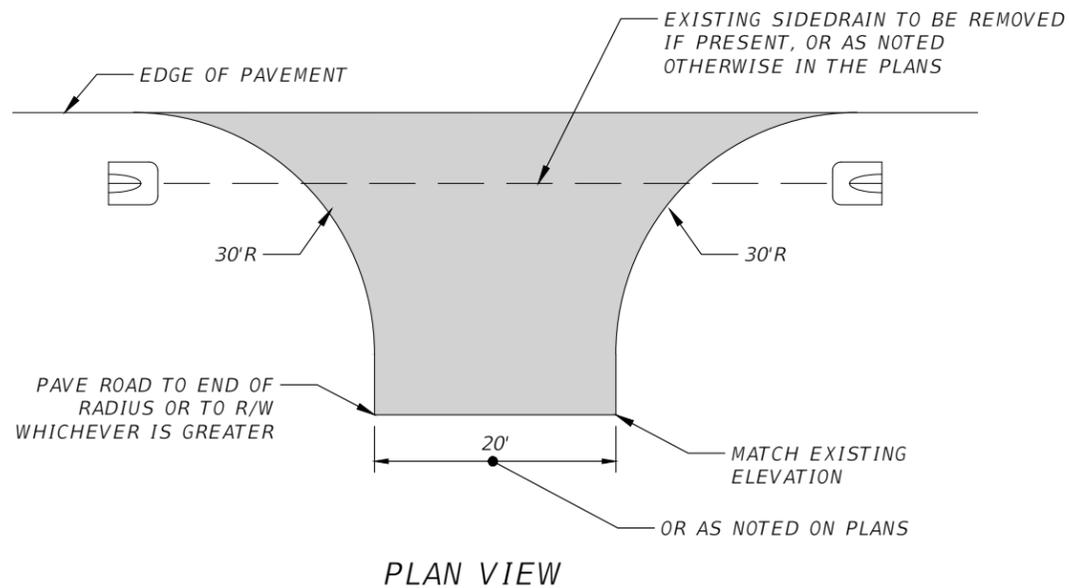
NOTES

1. IF EXISTING GROUND ELEVATIONS RESULT IN A TURNOUT GRADE THAT EXCEEDS 6%, HOLD THE 6% GRADE FOR 25' THEN BUILD A WEDGE CONNECTION WITH LIMEROCK OR RAP MATERIAL.
2. ALL MATERIAL AND WORK DONE TO COMPLETE TURNOUT IS TO BE PAID FOR UNDER TURNOUT CONSTRUCTION. (EXCEPT ASPHALT PAVEMENT)

SECTION VIEW

OPTIONAL BASE GROUP 08 AND STRUCTURAL COURSE (TL-C) (2.75")

1 CONNECTION TO EX. UNPAVED PUBLIC ROADS
5 SCALE:N.T.S.



NOTES

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

SECTION VIEW

CONSTRUCT VARIABLE DEPTH ASPHALT BOTTOM COURSE AND STRUCTURAL COURSE (TL-C) (1.25")

2 CONNECTION TO EX. PAVED PUBLIC ROADS
5 SCALE:N.T.S.

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			SHEET NO. 5
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1	

TURNOUT DETAILS

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE TO INSURE 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, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SUCH DIFFERENCES IMMEDIATELY AND PRIOR TO PROCEEDING WITH THE WORK.
 2. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE IN A SECURE MANNER. ALL OPEN TRENCHES AND EXCAVATED AREAS SHALL BE PROTECTED FROM ACCESS BY THE GENERAL PUBLIC.
 3. TOPOGRAPHIC INFORMATION SHOWN, WAS OBTAINED FROM A BOUNDARY SURVEY PREPARED BY NFPS, FLORIDA CERTIFICATE NO: LB8356
 4. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A CORNER MONUMENT IS DESTROYED, THE CONTRACTOR SHALL HAVE IT REPLACED BY A REGISTERED LAND SURVEYOR.
 5. THE SITE IS LOCATED IN VARIOUS SECTIONS, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.
 6. THE CONTRACTOR SHALL IMPLEMENT ALL COMPONENTS OF HIS EROSION AND SEDIMENTATION CONTROL PLAN PRIOR TO ANY EARTH DISTURBING ACTIVITIES. ALL COMPONENTS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL VEGETATION IS ESTABLISHED, THE ENTIRE PROJECT AREA IS STABILIZED AND THE OWNER HAS ACCEPTED OPERATION AND MAINTENANCE.
 7. ALL DISTURBED AREAS NOT SODDED SHALL 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 SHALL 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 SHALL CONSIST OF 70 PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF MILLET.
 8. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN, UNLESS OTHERWISE NOTED IN THE PLANS.
 9. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. CONTRACTOR SHALL PROTECT ALL UTILITIES WITHIN THE PROJECT AREAS. CONTRACTOR SHALL CONTACT 811 OR 1-800-432-4770 AT LEAST 2 BUSINESS DAYS BEFORE BEGINNING CONSTRUCTION.
- CONTACT PHONE NUMBERS:
 COMCAST CABLE 1-904-738-6898
 CLAY ELECTRIC 1-386-961-0106
 FLORIDA POWER & LIGHT 1-386-586-6403
 AT&T/DISTRIBUTION 1-561-683-2729
10. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS WITHIN PROJECT AREA.
 11. IF UNSUITABLE MATERIAL IS ENCOUNTERED DURING GRADING, CONTRACTOR SHALL REMOVE UNSUITABLE MATERIAL TO A DEPTH OF 24" BELOW FINISHED GRADE WITHIN THE CONSTRUCTION LIMITS.
 12. NO WORK SHALL BE PERFORMED ON SUNDAY OR COUNTY RECOGNIZED HOLIDAY WITHOUT A WRITTEN APPROVAL FROM THE COUNTY ENGINEER.
 13. THE CONTRACTOR SHALL 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMIT FEES.
 14. CONTRACTOR SHALL MAINTAIN MAILBOXES DURING CONSTRUCTION. MAILBOXES SHALL BE REPLACED AS NECESSARY.
 15. EXISTING SUPER-ELEVATION WAS EVALUATED IN ACCORDANCE TO FDOT DESIGN MANUAL SECTION 210.2.4.1 AND FOUND ACCEPTABLE.
 16. CONTRACTOR SHALL SUBMIT ANY REQUIRED SHOP DRAWINGS TO THE ENGINEER FOR REVIEW, PRIOR TO ORDERING.

17. ALIGNMENT FOR CENTERLINE OF ROAD DOES NOT EXACTLY MATCH THE R/W MAP BASELINE. USE THE APPROPRIATE ALIGNMENT WHEN PERFORMING STAKEOUT ACTIVITIES.
18. INSTALL OFFSET STAKES ON EACH SIDE OF THE ROADWAY WITH THE OFFSET FOOTAGE FROM THE EDGE OF PAVEMENT MARKED ON THE STAKE WITH THE CENTERLINE AND/OR EDGE OF PAVEMENT PROFILE GRADE MARKED ON THE STAKE SO A STRING LINE CAN BE PULLED TRANSVERSE ACROSS THE ROADWAY TO GRADES ON THE STABILIZED SUBGRADE AND BASE.
19. STATION BOARDS ARE REQUIRED AT 200' INTERVALS (MIN). GRADE STAKES REQUIRED EVERY 100' TANGENT STATIONS AND 50' IN SUPERELEVATION SECTIONS.

PAY ITEM NOTES

- 102-1 - MAINTENANCE OF TRAFFIC - INCLUDES ALL ELEMENTS REQUIRED FOR THE TRAFFIC CONTROL PLAN, AND INCLUDES TEMPORARY CENTERLINE DELINEATION AND STOP BARS PLACED AT ALL NON-WORKING TIMES.
- 104-1-3 - 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.
- 110-1-1 - CLEARING & GRUBBING - INCLUDES REMOVAL OF ALL PAVEMENT, PIPE, AND VEGETATION REQUIRED FOR THE PROJECT.
- 120-6 - EMBANKMENT - TO BE USED AT DIRECTION OF ENGINEER, ONCE ALL REGULAR EXCAVATION HAS BEEN COMPLETED THROUGHOUT THE PROJECT, QUANTITY MAY BE INCREASED, DECREASED OR OMITTED
- 120-71 - REGULAR EXCAVATION (3-R PROJECTS ONLY) - INCLUDES ALL EXCAVATION ACTIVITIES NECESSARY FOR CONSTRUCTION OF THE PROJECT.
- 160-1 - COMMERCIAL STABILIZING MATERIAL - APPLY 2" OF MATERIAL AS NEEDED TO MEET LBR, QUANTITY IS ESTIMATED. APPLYING 2" OF MATERIAL TO ANY DRIVEWAY AREA NEEDING TO ACHIEVE HIGHER LBR REQUIREMENTS. SHALL BE PRESCRIBED BY CERTIFIED TESTING LABORATORY BEFORE PLACEMENT OF MATERIAL BEGINS. ANY REAPPLICATION OF MATERIAL TO MEET LBR REQUIREMENTS IS AT THE CONTRACTORS EXPENSE. ANY AREA MAY BE INCREASED, DECREASED OR OMITTED.
- 286-1 - TURNOUT CONSTRUCTION - INCLUDES THE EXCAVATION, COMPACTION OF SUBGRADE, BASE MATERIAL, BASE CONSTRUCTION. DOES NOT INCLUDE ASPHALT PAVEMENT, OR NEW CONC. PAVEMENT.
- 570-1-11 - PERFORMANCE TURF - INCLUDES DRESSING SHOULDERS; AND ALL SEED AND MULCHING REQUIRED FOR PROJECT. CONTRACTOR SHALL MAINTAIN ANY AREAS OF EROSION. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING AS NEEDED.
- 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.
- 710-90 - 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 3 DAYS LATER.

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					BIRLEY AVE.	COLUMBIA	447734-1	GENERAL NOTES

FROM STA. 10+47.62 TO STA. 11+22.62
CONSTRUCT A SURFACE HEIGHT TRANSITION
AS PER SHEET 23

CURVE DATA BIRLEY RD (PROPOSED) (1)
PI STA. = 10+95.94
DELTA = 1° 13' 01"
D = 1° 08' 45"
T = 53.10
L = 106.19
R = 5000.00
PC STA. = 10+42.84
PT STA. = 11+49.03
e = NA

REMOVE 5' OF EXIST. CONC. DRIVE
REPLACE WITH 6" CONC. PAVT.
EXIST. PIPE AND MES TO REMAIN



10

11

12

13

14

15

N 02° 27' 48" W

N 01° 14' 47" W

CR 242A

PC STA. 10+42.84

PT STA. 11+49.03

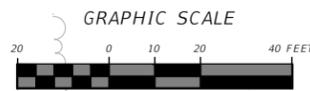
BEGIN PROJECT
STA. 10+47.62

REMOVE EXIST. CONC. DRIVE
TO R/W LINE. REPLACE WITH
6" CONC. TURNOUT

FOR ADDITIONAL INFORMATION ON ALIGNMENT CONTROL POINTS, SEE SHEET CNTL. 1

MATCHLINE STA - 15+34.38

FOR DETAILS ON CONCRETE TURNOUTS,
SEE SHEET 23



MATCHLINE STA - 15+34.38

16

17

18

19

20

PI STA. 16+74.67
Δ = 0° 1' 27" LT.

PI STA. 20+03.42
Δ = 0° 24' 35.28" LT.

N 01° 16' 14" W

REMOVE EXIST. CONC. DRIVE
TO R/W LINE. REPLACE WITH
6" CONC. TURNOUT

REMOVE EXIST. CONC. DRIVE
TO R/W LINE. REPLACE WITH
6" CONC. TURNOUT

STEVENS

MATCHLINE STA - 20+60.00

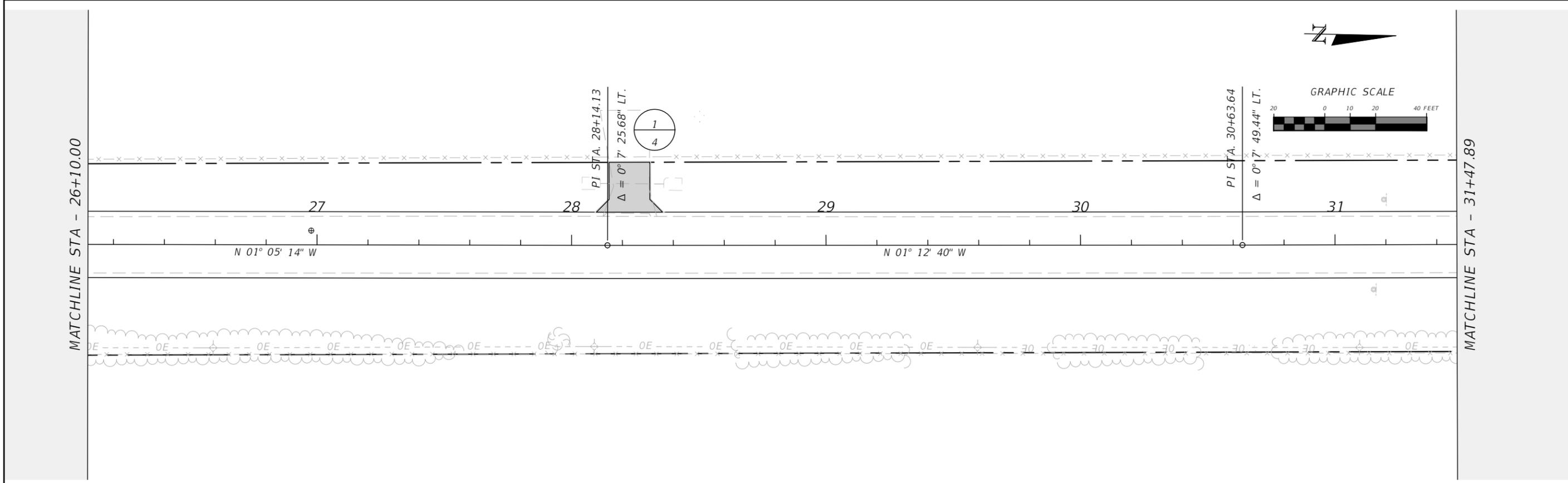
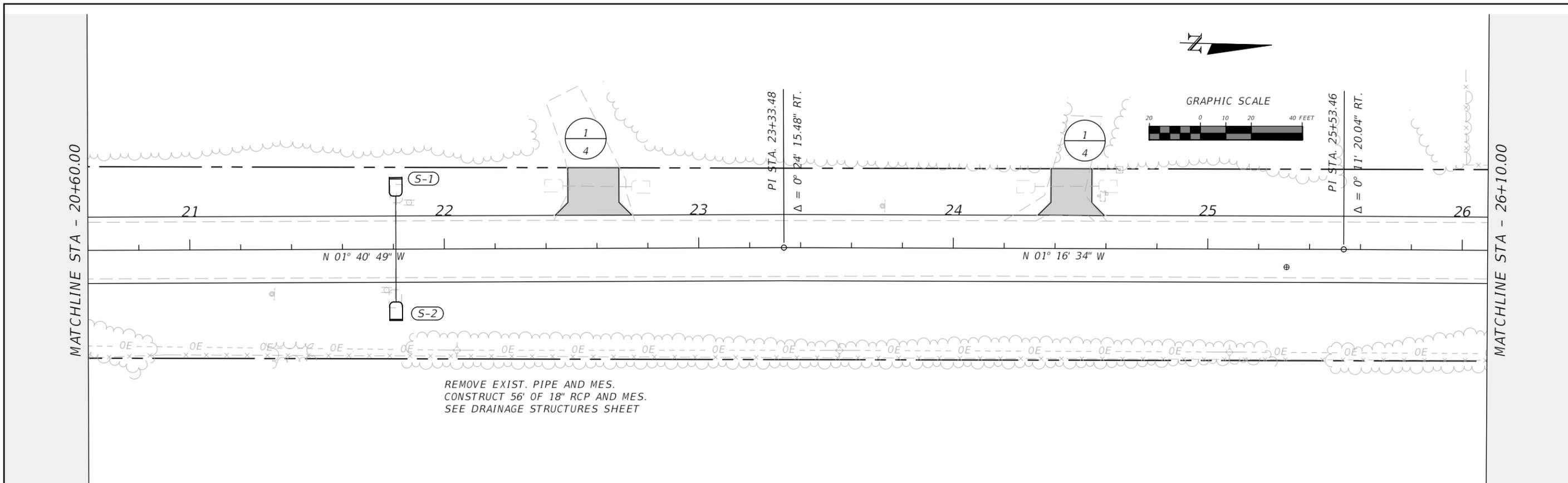
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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NFPS
P.O. BOX 3823
LAKE CITY, FLORIDA 32056
CERTIFICATE OF AUTHORIZATION 29011

COLUMBIA COUNTY BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
BIRLEY AVE.	COLUMBIA	447734-1

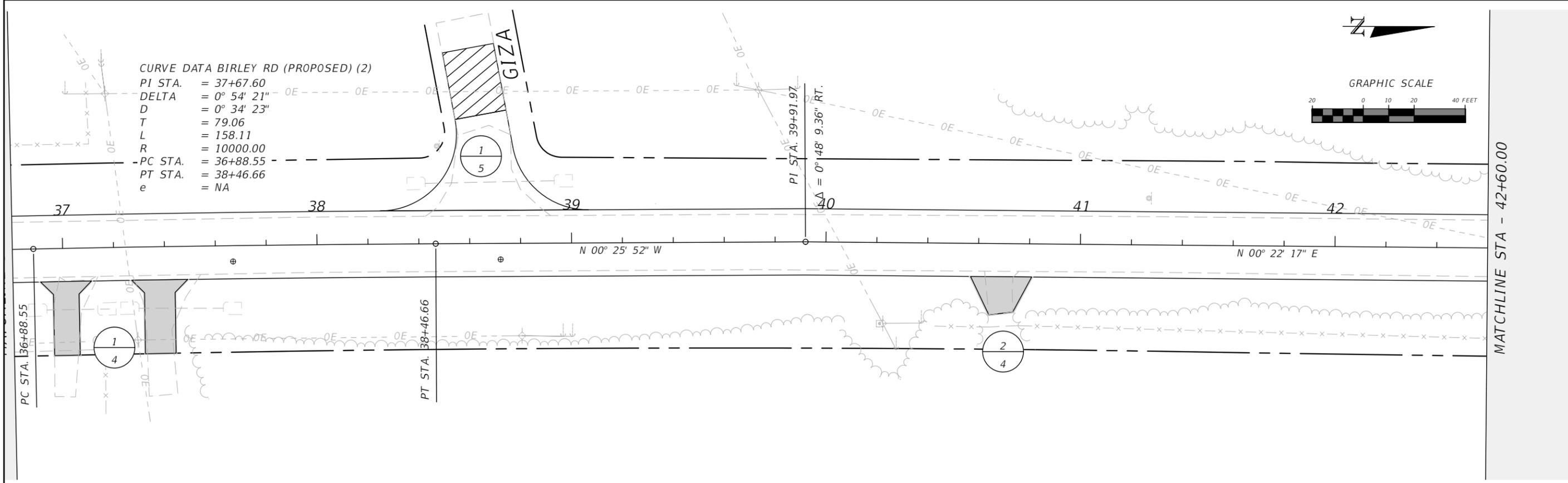
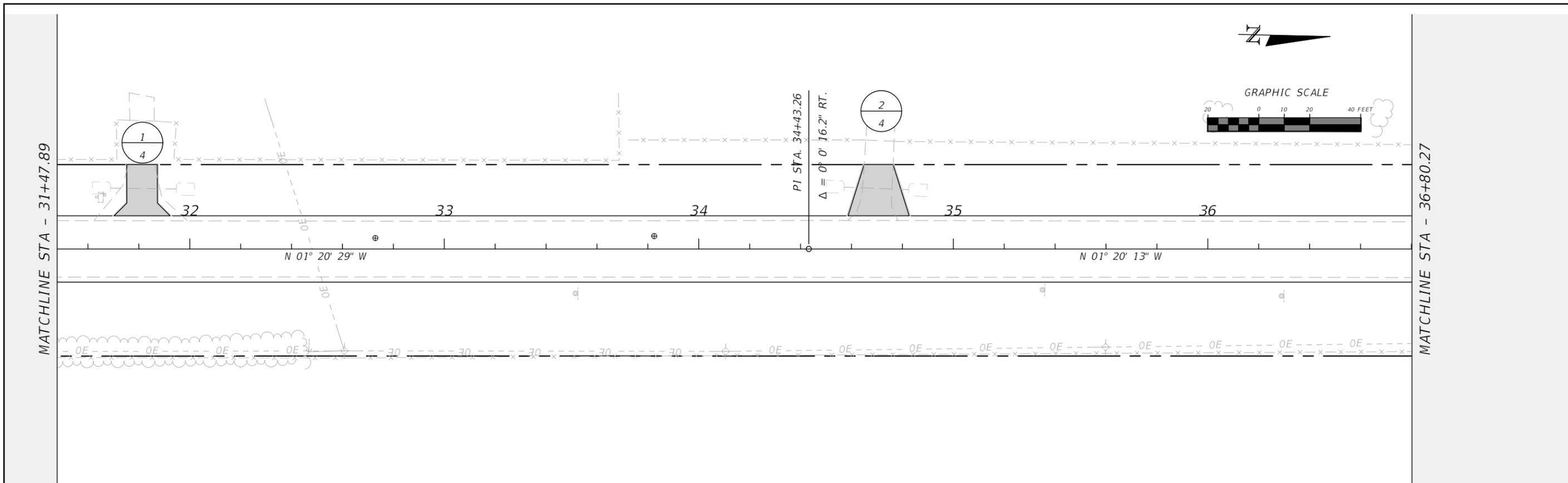
PLAN SHEET

SHEET NO.
7



REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			PLAN SHEET	SHEET NO. 8
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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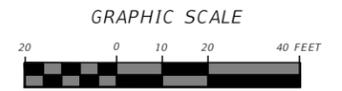


CURVE DATA BIRLEY RD (PROPOSED) (2)
 PI STA. = 37+67.60
 DELTA = 0° 54' 21"
 D = 0° 34' 23"
 T = 79.06
 L = 158.11
 R = 10000.00
 PC STA. = 36+88.55
 PT STA. = 38+46.66
 e = NA

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

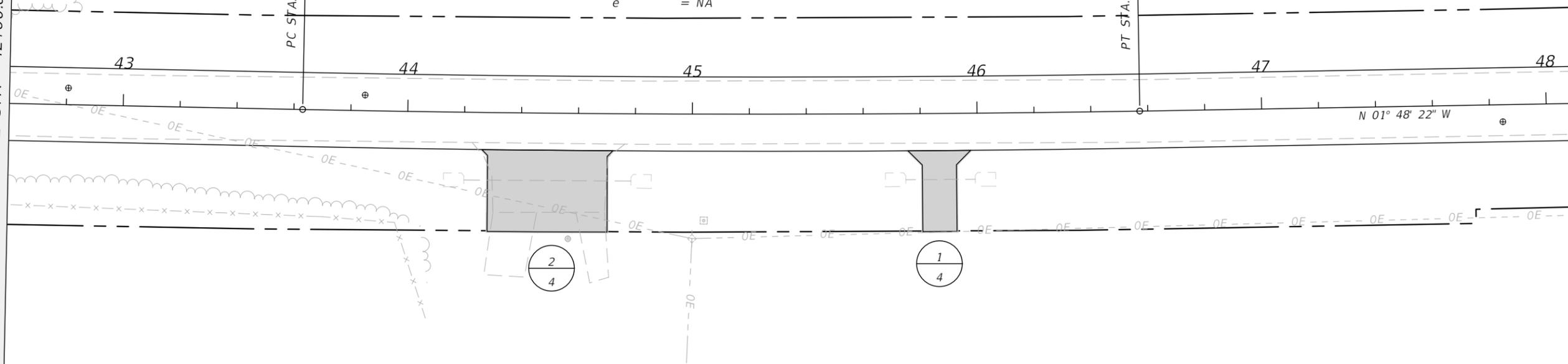
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CURVE DATA BIRLEY RD (PROPOSED) (3)
 PI STA. = 45+10.14
 DELTA = 2° 06' 23"
 D = 0° 42' 58"
 T = 147.07
 L = 294.10
 R = 8000.00
 PC STA. = 43+63.08
 PT STA. = 46+57.18
 e = NA



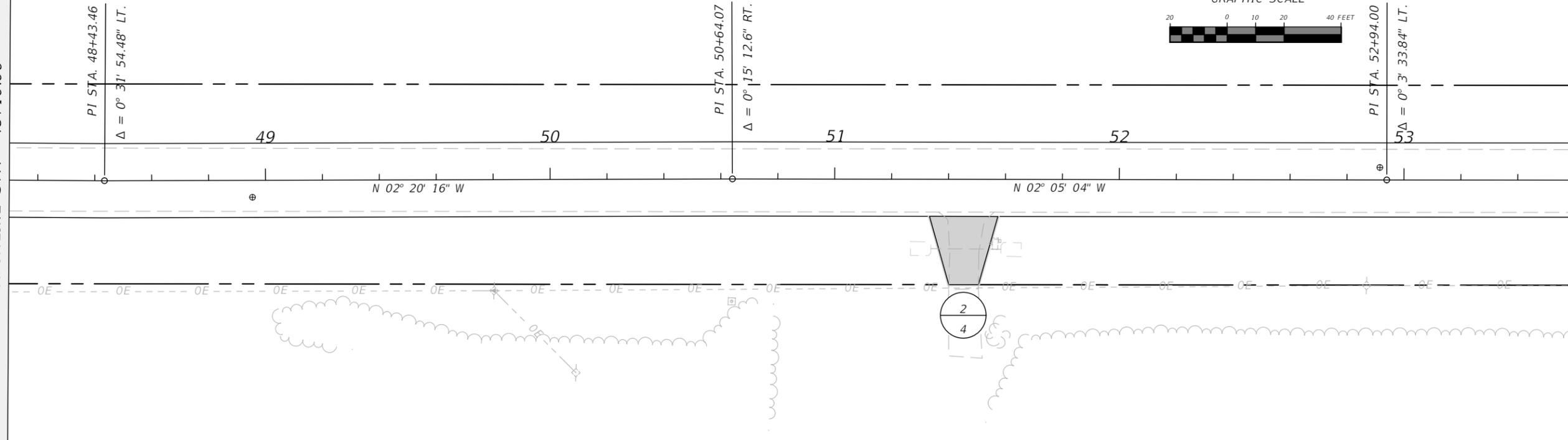
MATCHLINE STA - 42+60.00

MATCHLINE STA - 48+10.00



MATCHLINE STA - 48+10.00

MATCHLINE STA - 53+60.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

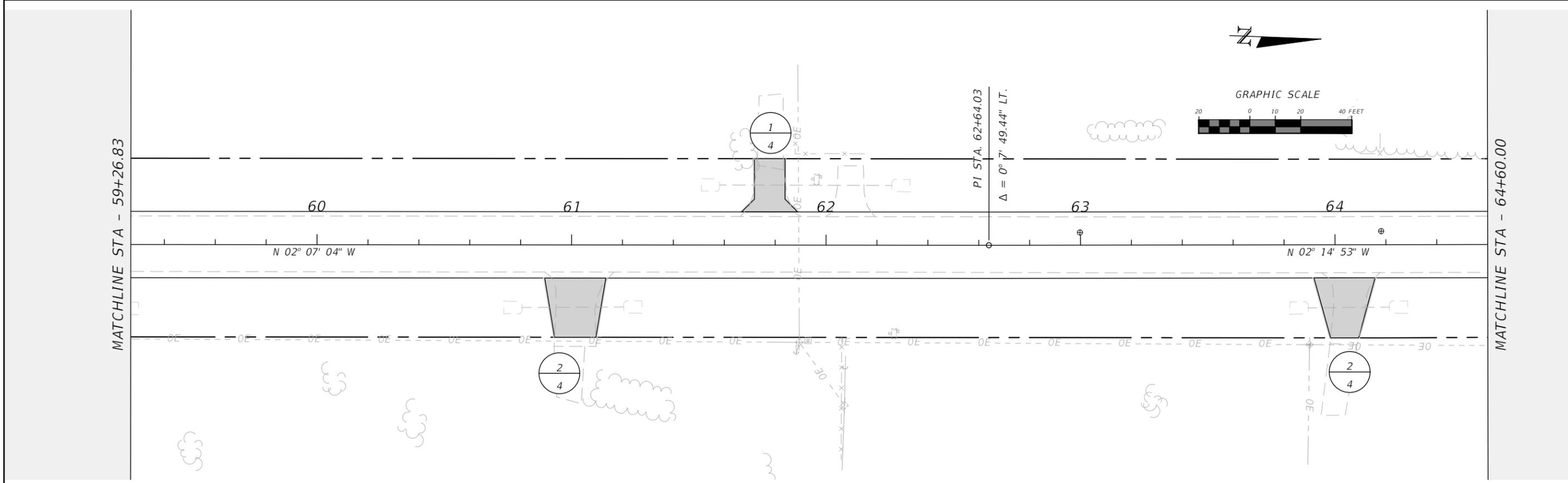
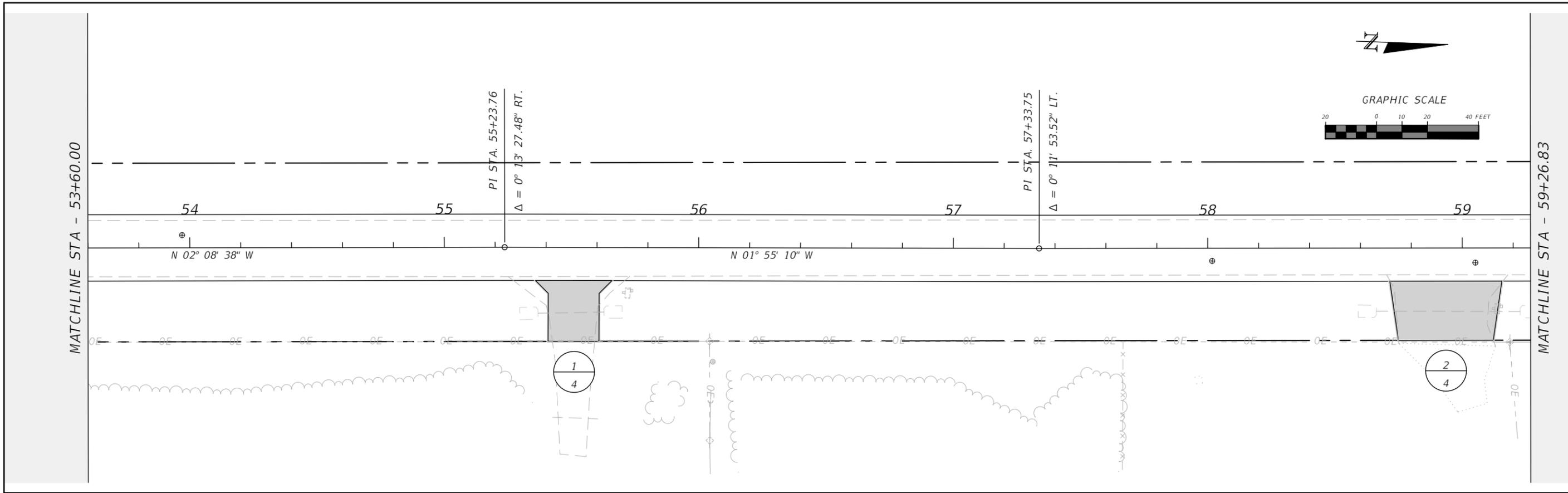
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 NFPS
 P.O. BOX 3823
 LAKE CITY, FLORIDA 32056
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COLUMBIA COUNTY BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
BIRLEY AVE.	COLUMBIA	447734-1

PLAN SHEET

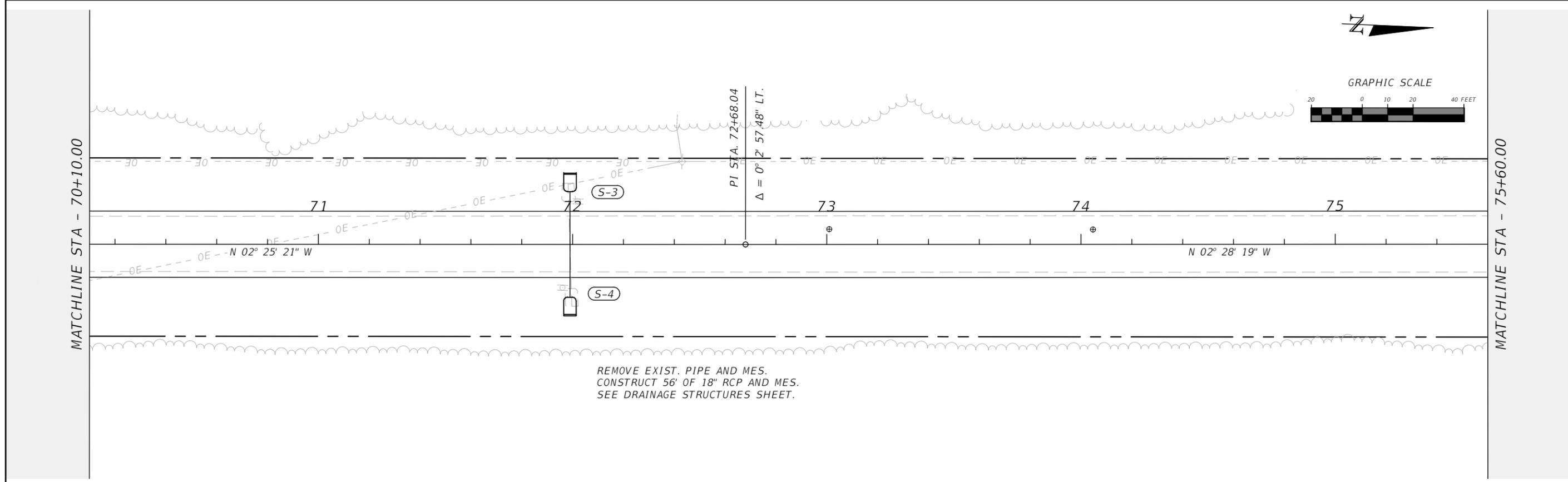
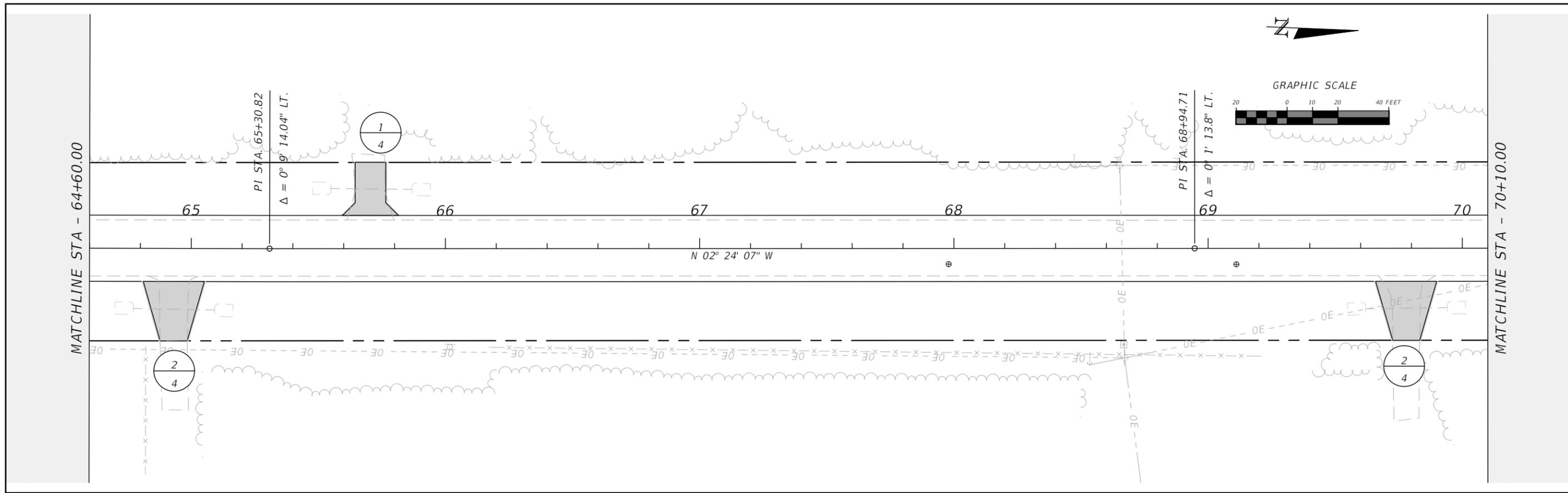
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

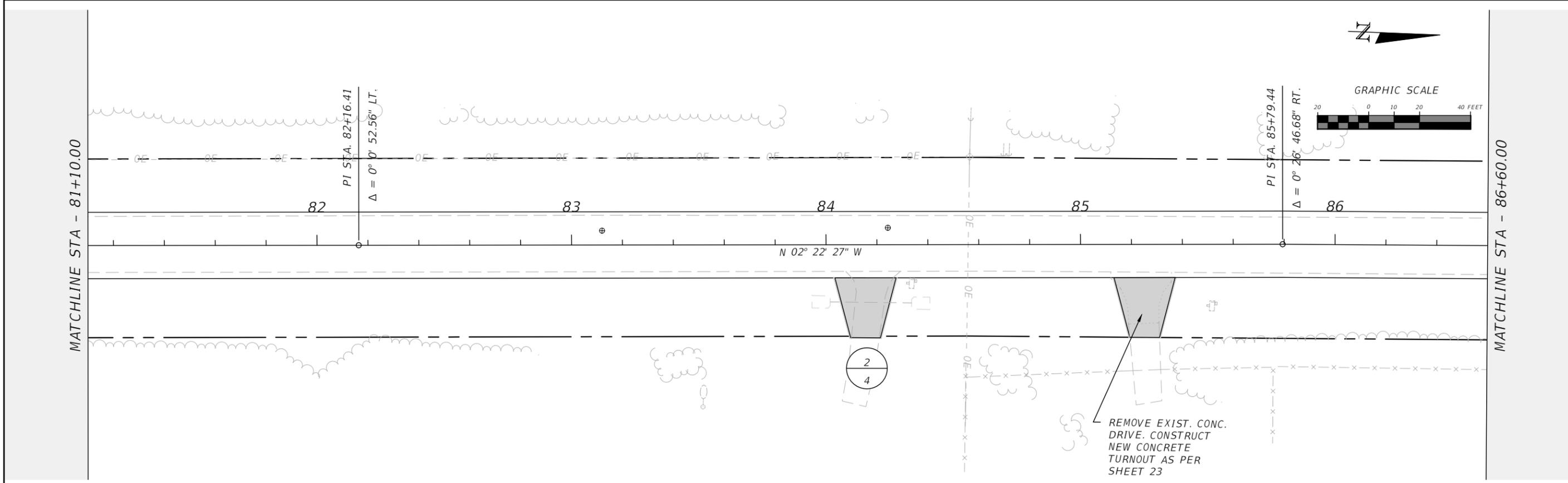
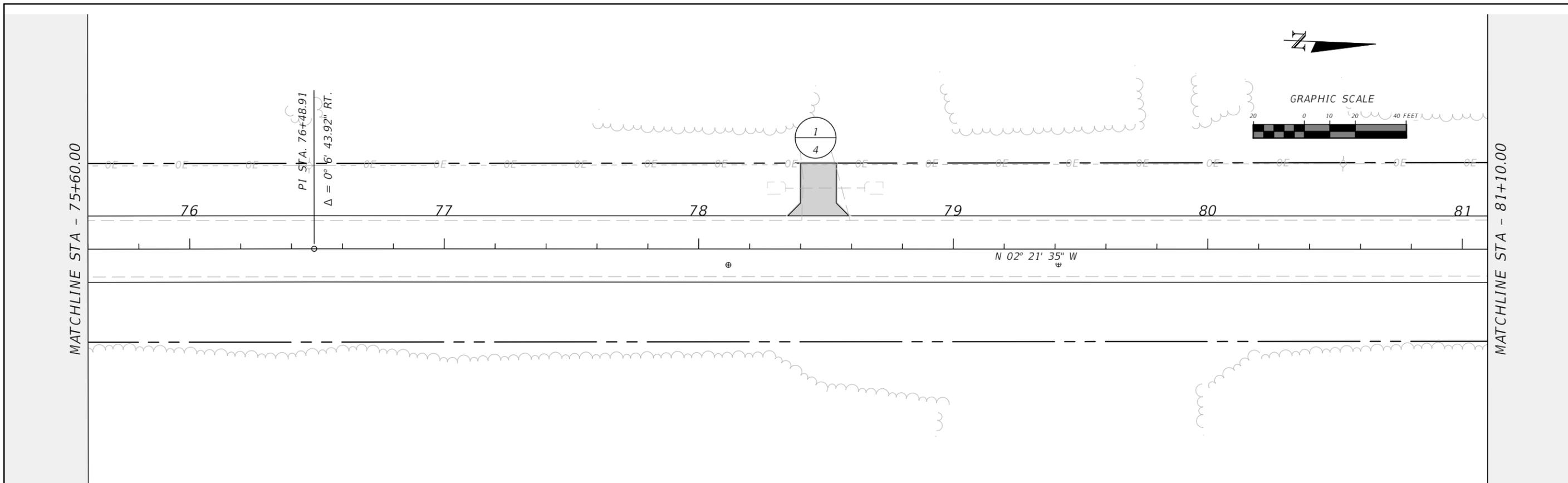
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REMOVE EXIST. PIPE AND MES.
 CONSTRUCT 56' OF 18" RCP AND MES.
 SEE DRAINAGE STRUCTURES SHEET.

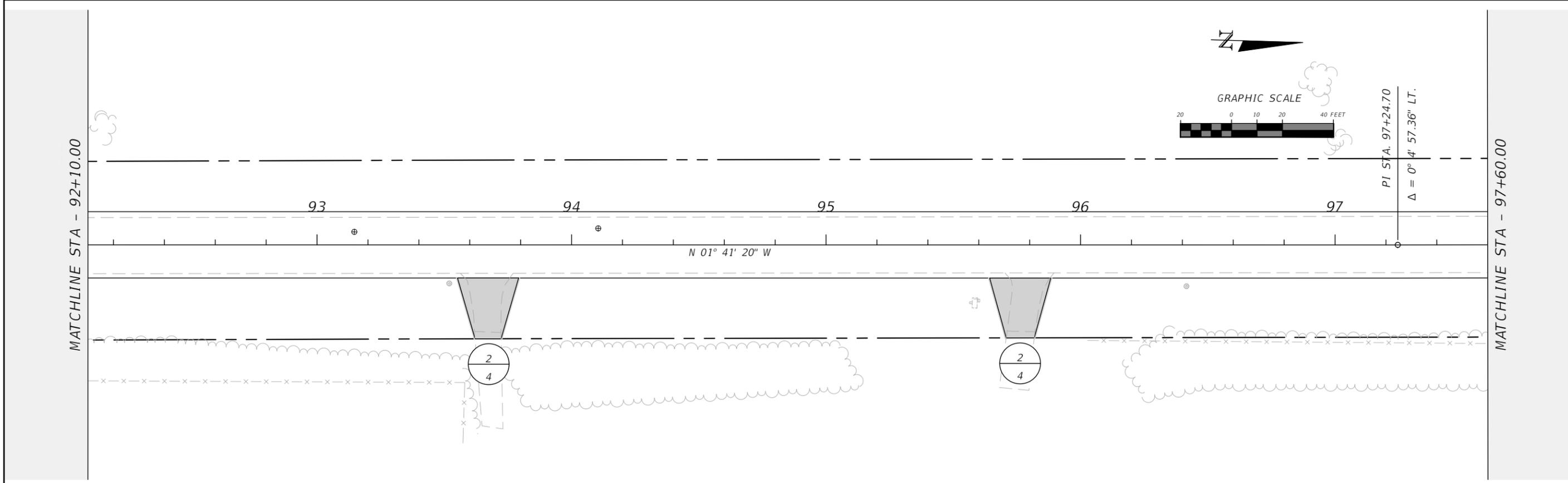
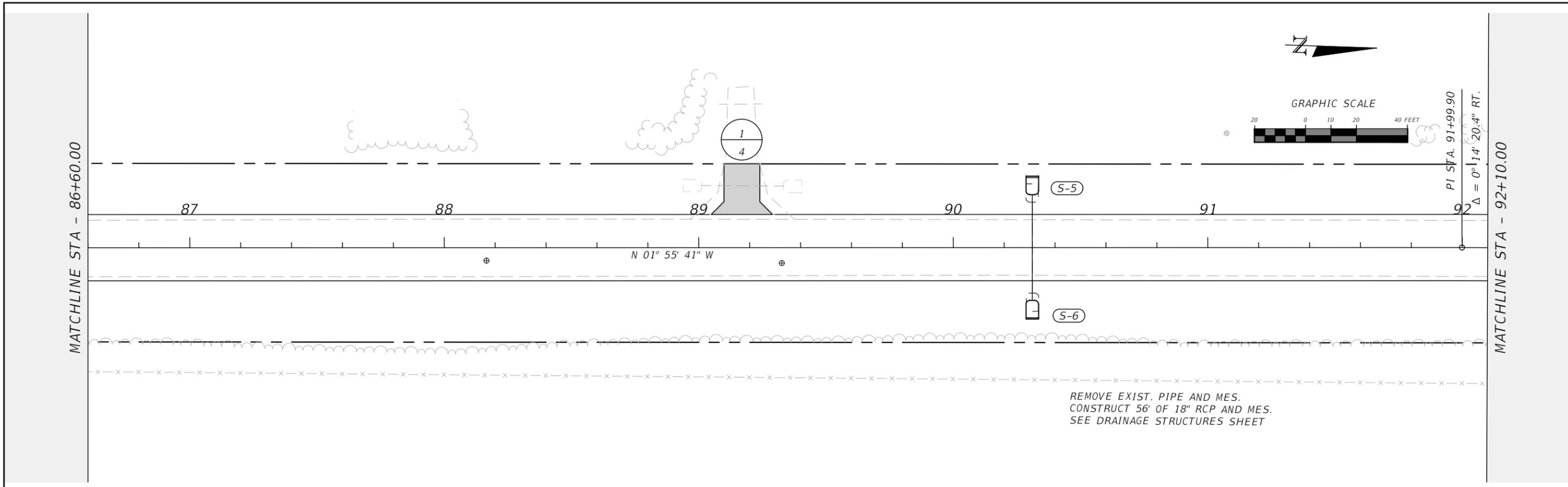
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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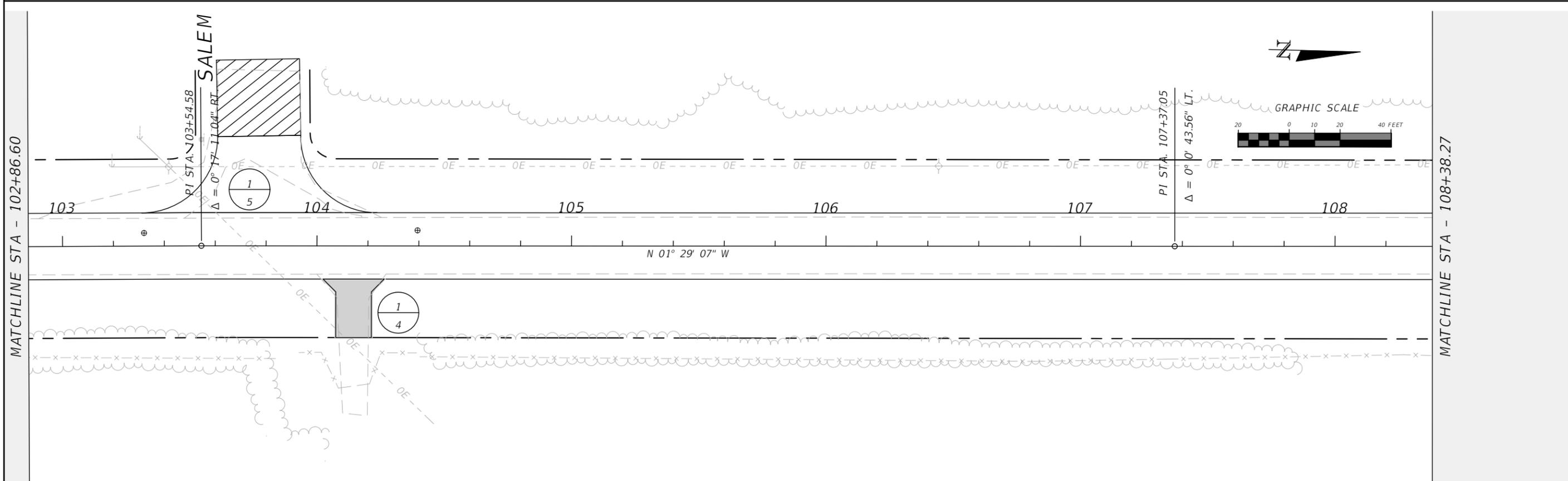
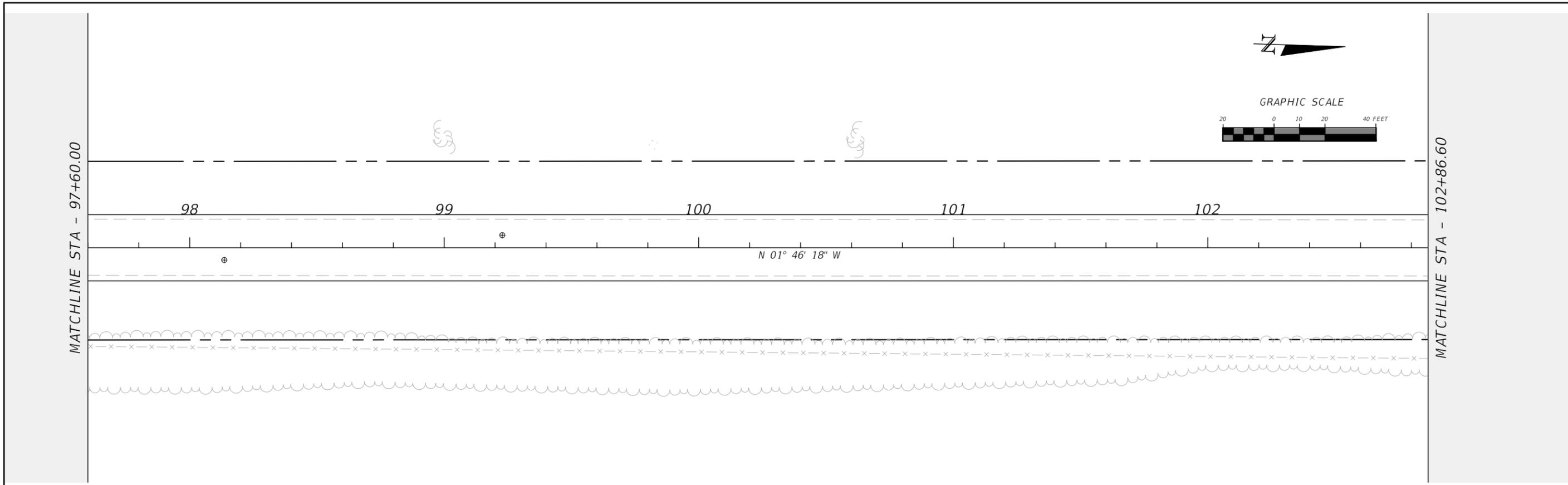
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			PLAN SHEET	SHEET NO. 13
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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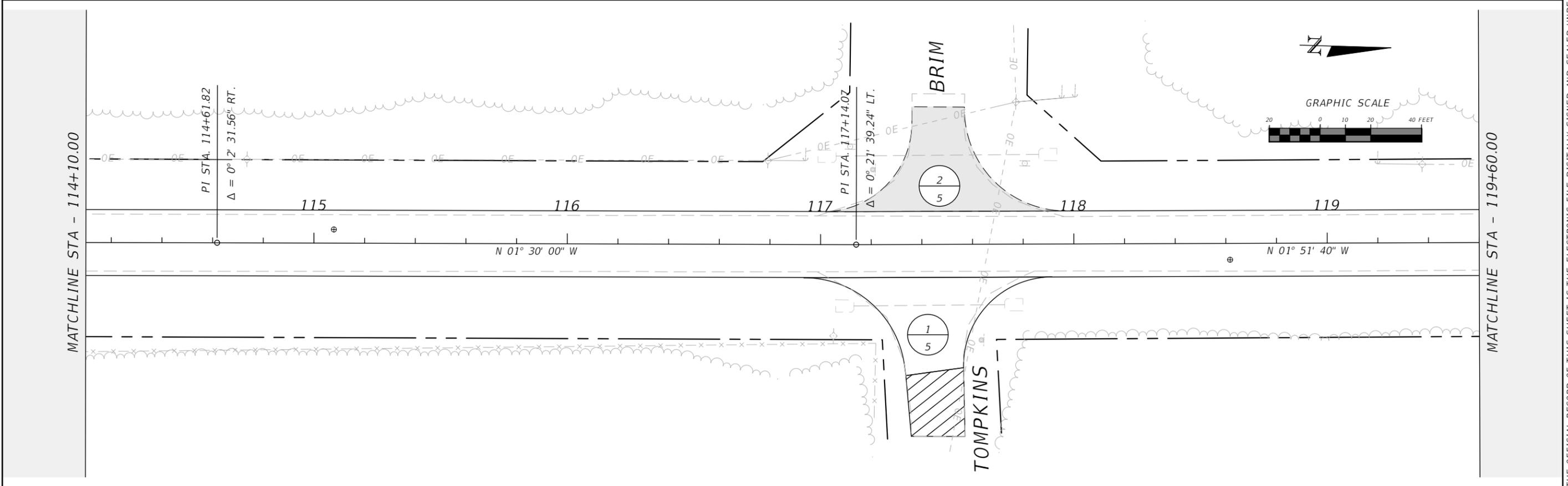
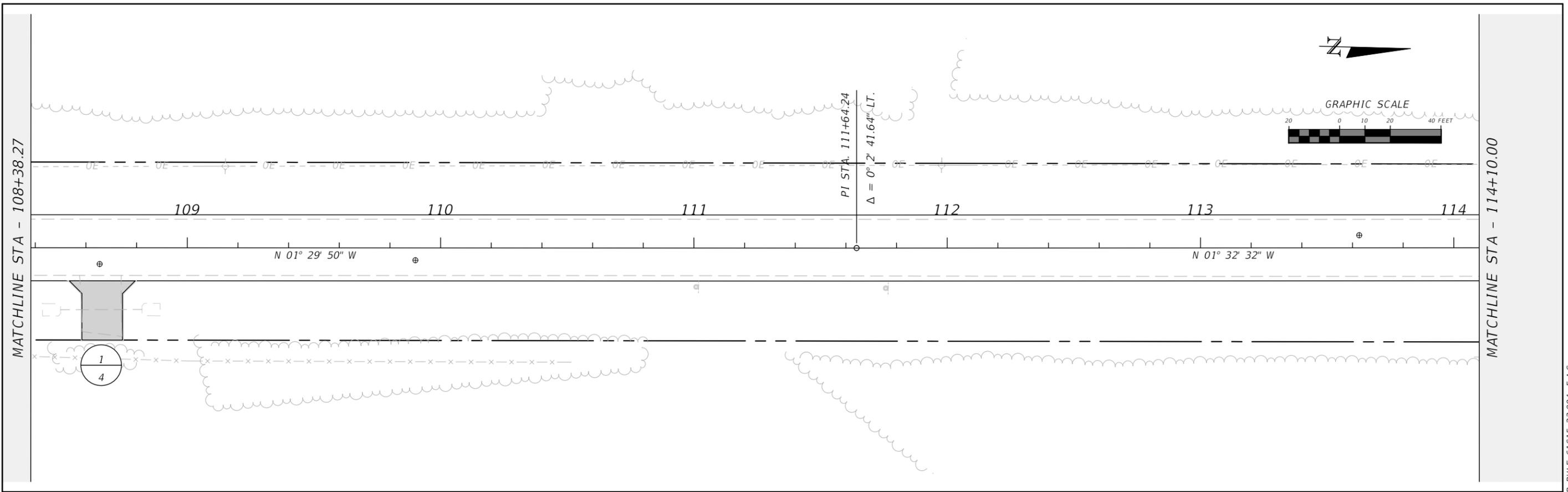


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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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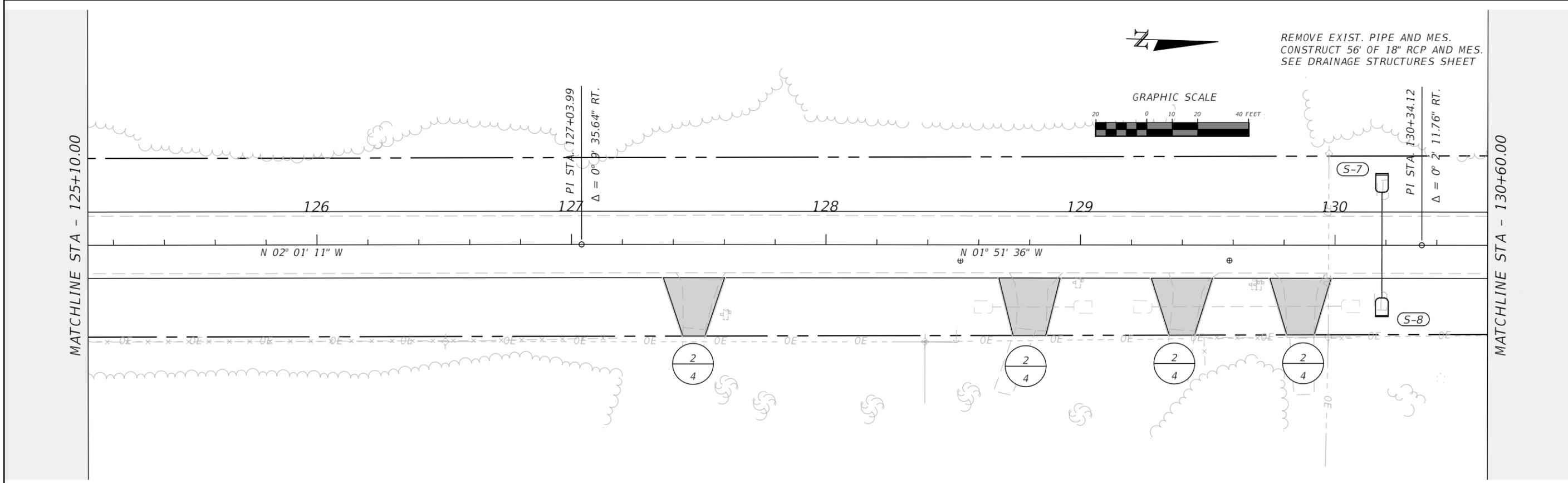
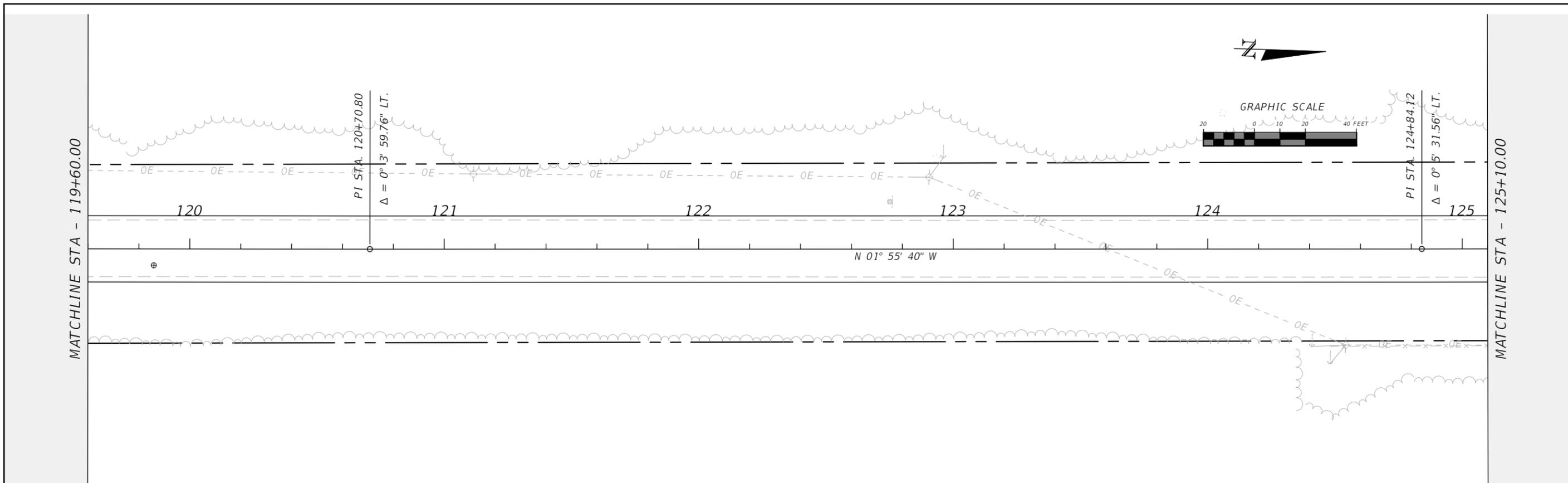


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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		



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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

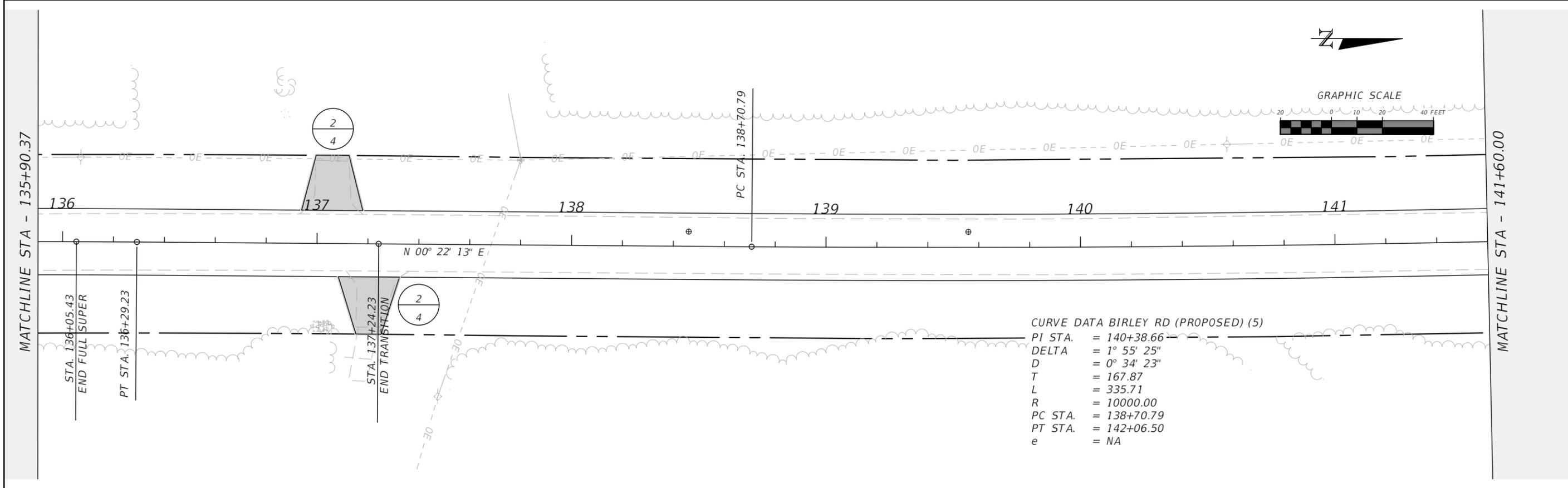
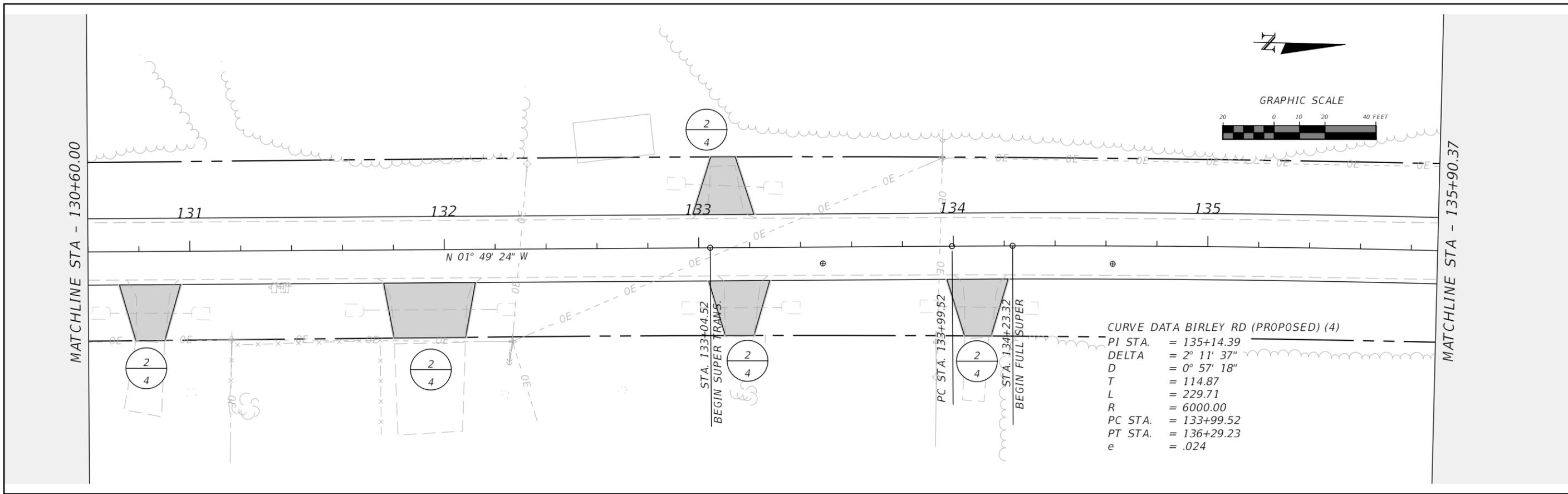
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					BIRLEY AVE.	COLUMBIA	447734-1	

PLAN SHEET

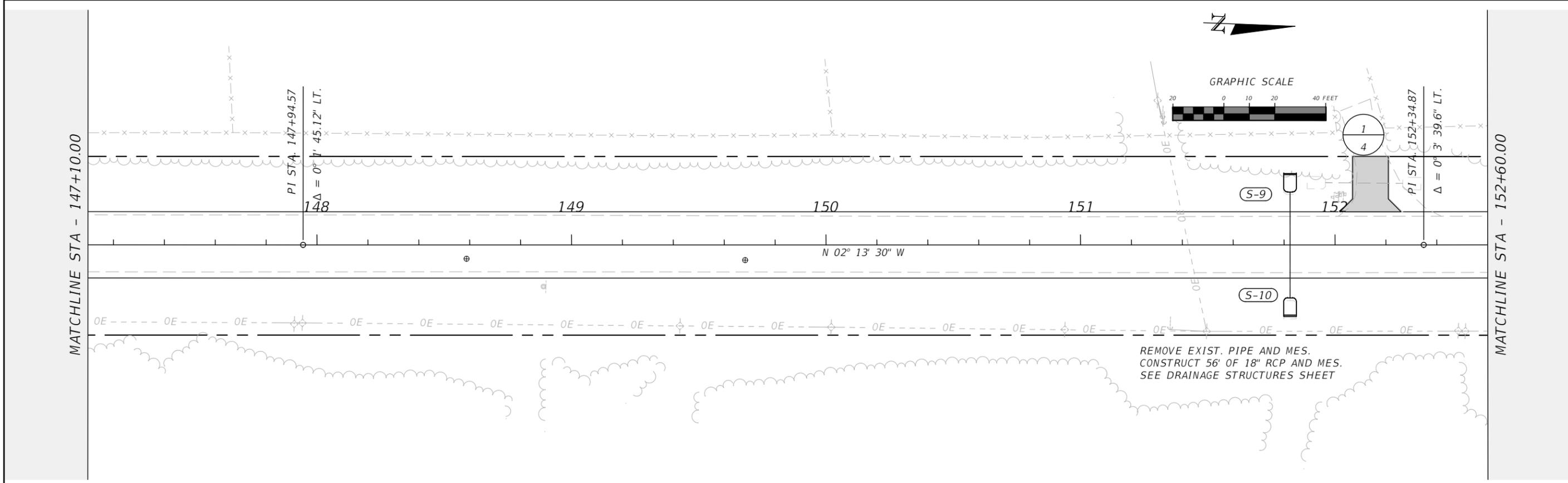
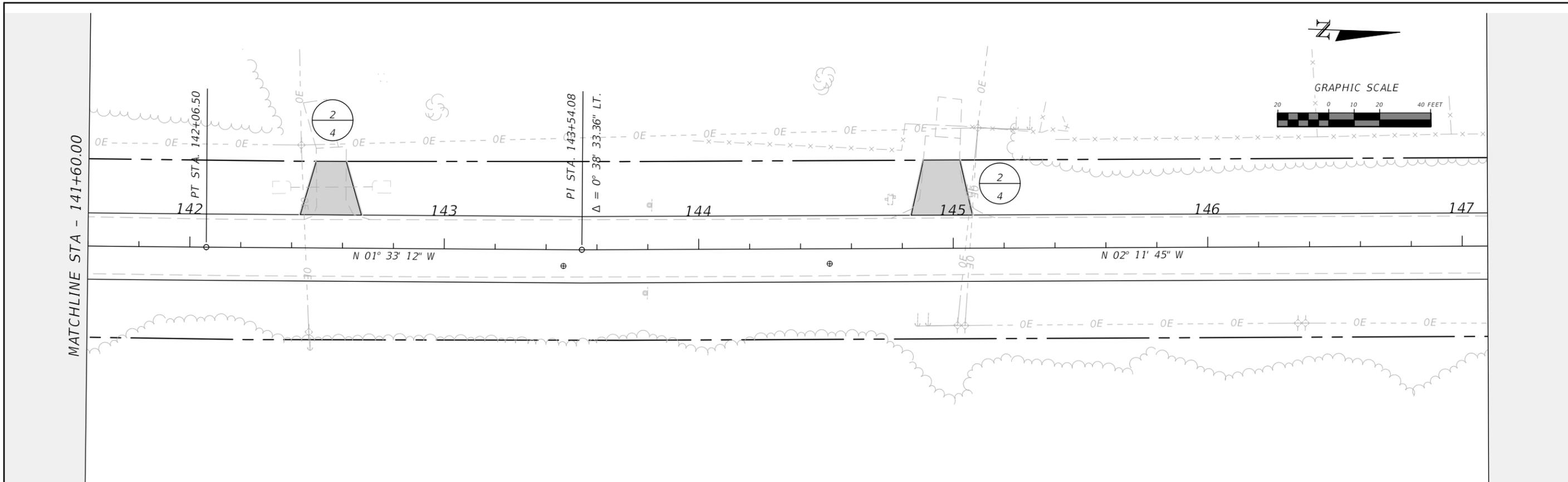
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1	

PLAN SHEET

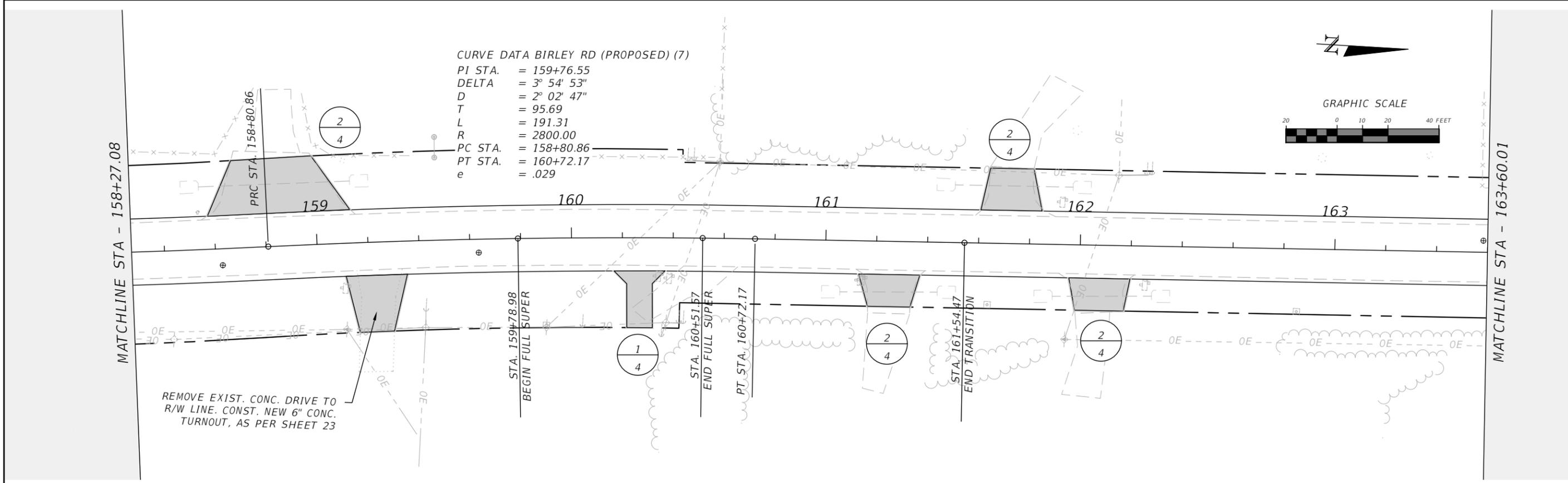
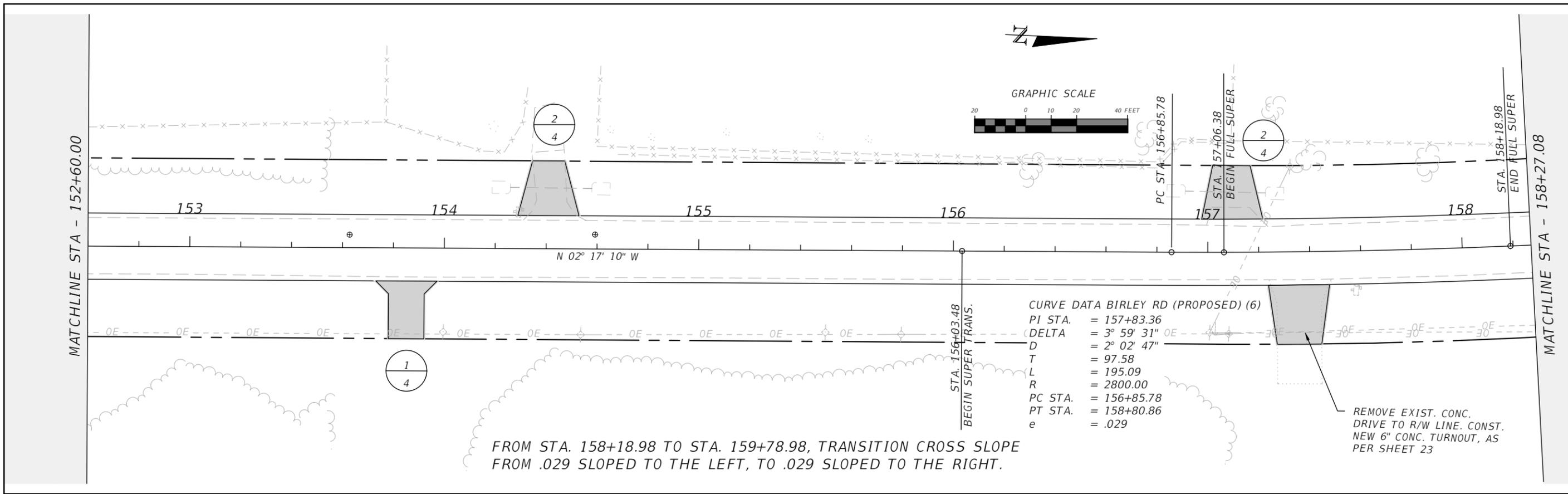
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					BIRLEY AVE.	COLUMBIA	447734-1	

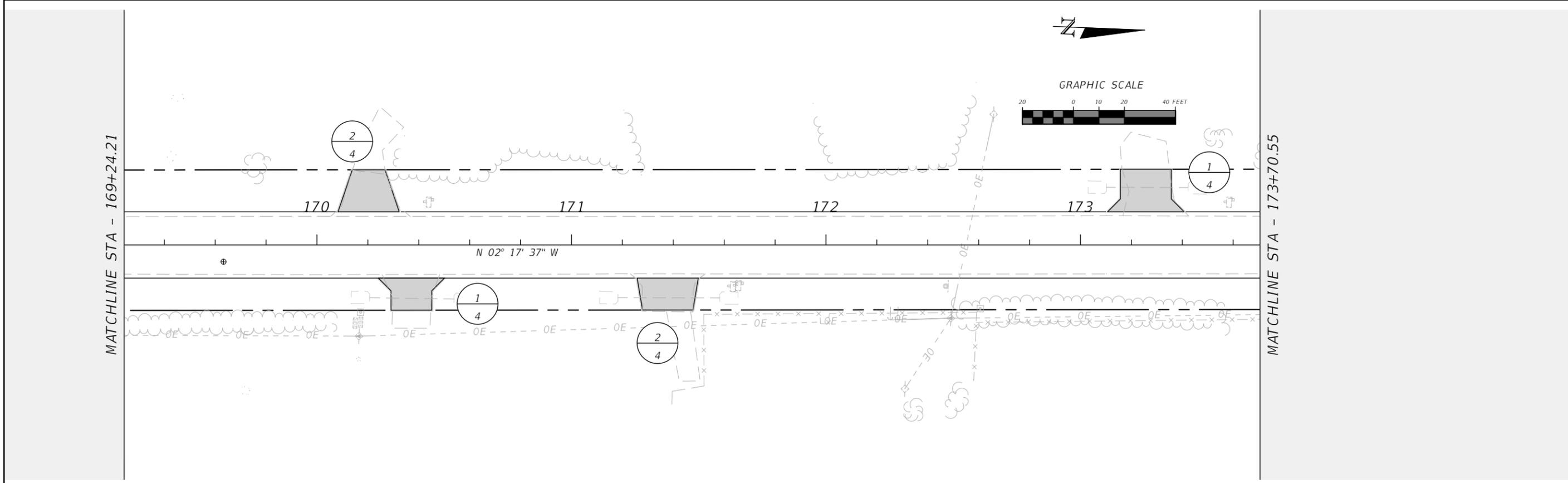
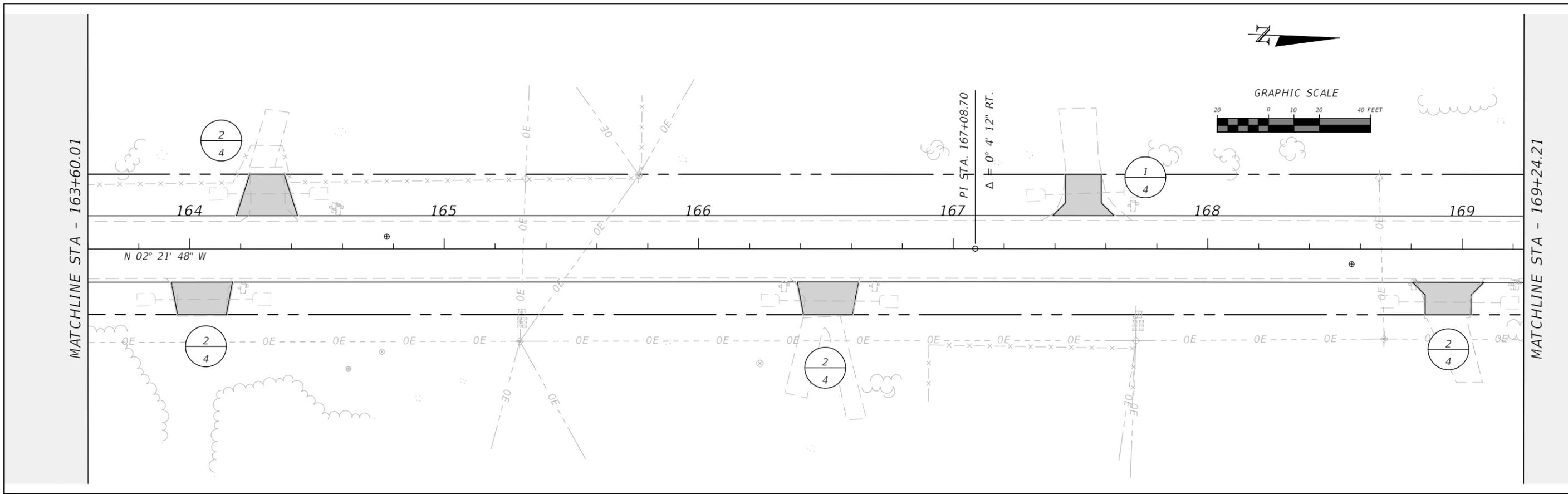
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REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			PLAN SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		20
					BIRLEY AVE.	COLUMBIA	447734-1		

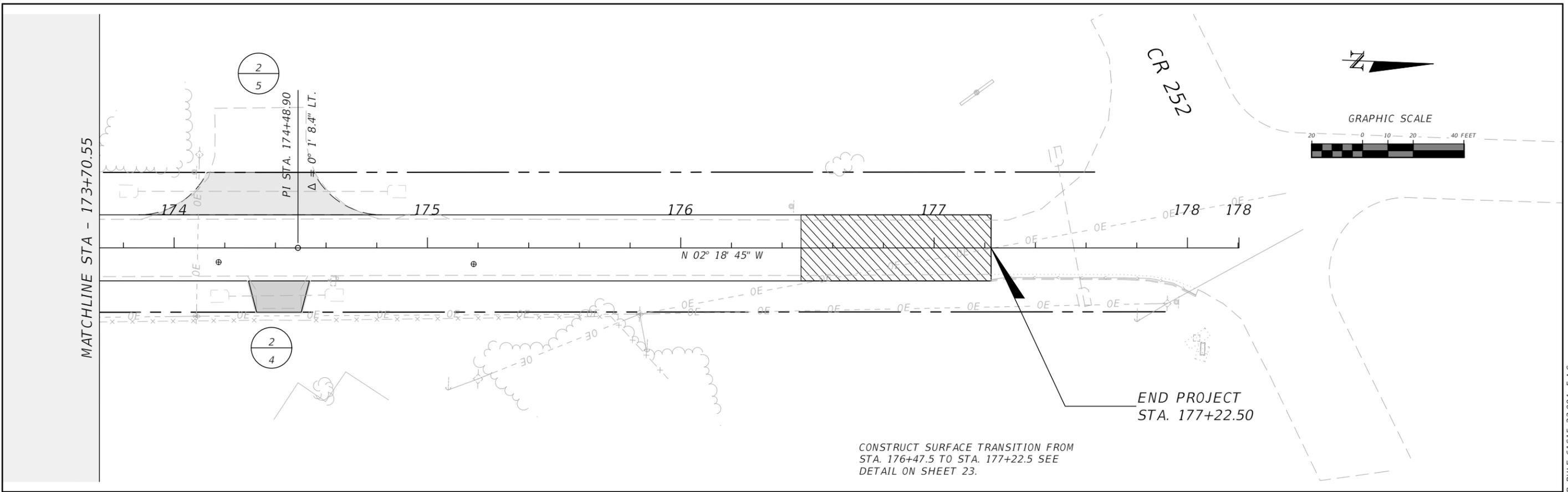
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			SHEET NO. 21
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1	

PLAN SHEET

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



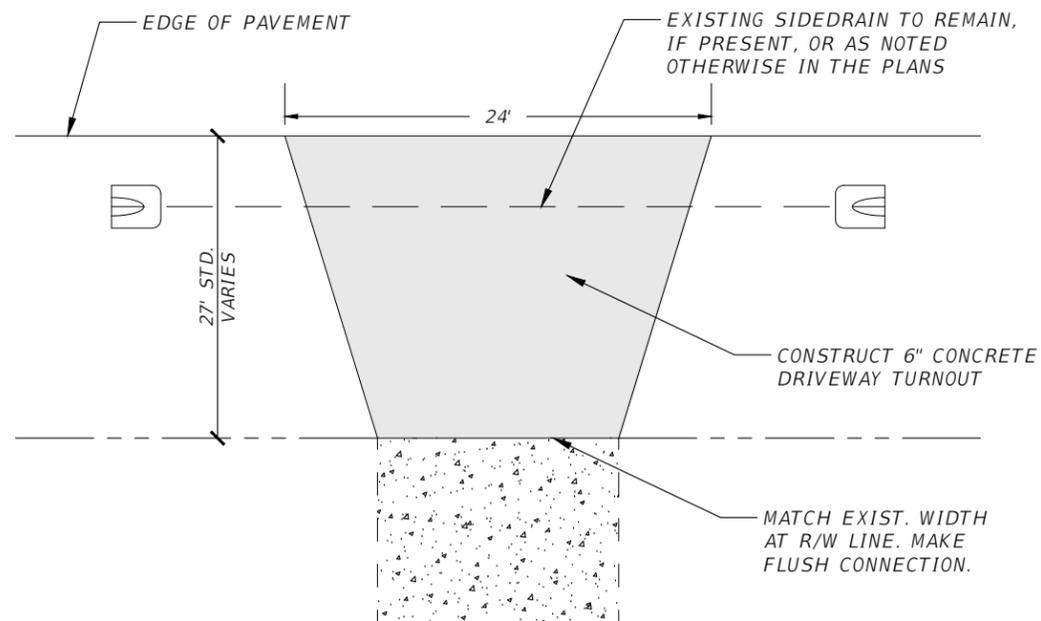
CONSTRUCT SURFACE TRANSITION FROM
 STA. 176+47.5 TO STA. 177+22.5 SEE
 DETAIL ON SHEET 23.



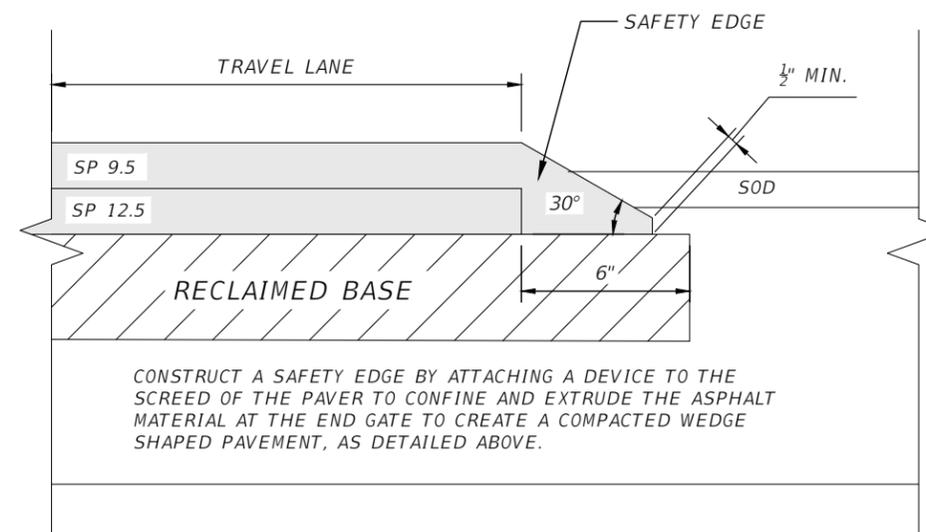
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					BIRLEY AVE.	COLUMBIA	447734-1	22

PLAN SHEET

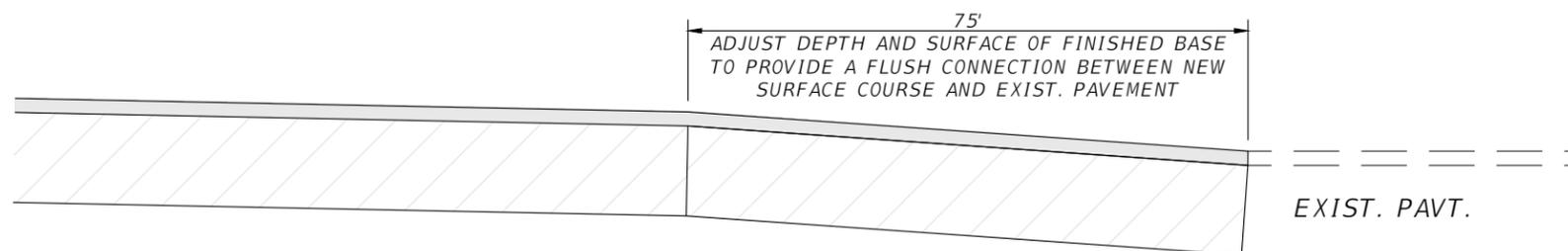
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



CONCRETE TURNOUT DETAIL

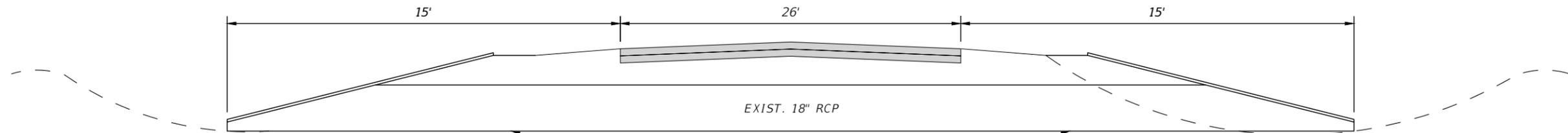


SAFETY EDGE DETAIL

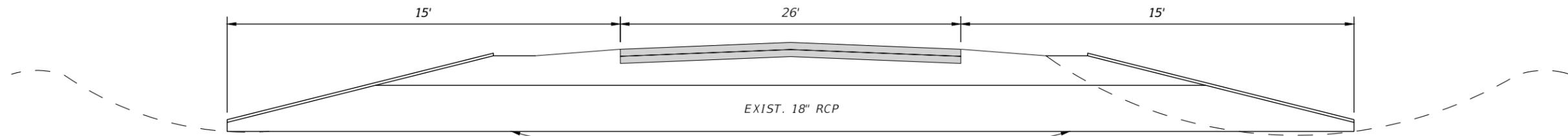


SURFACE COURSE HEIGHT TRANSITION

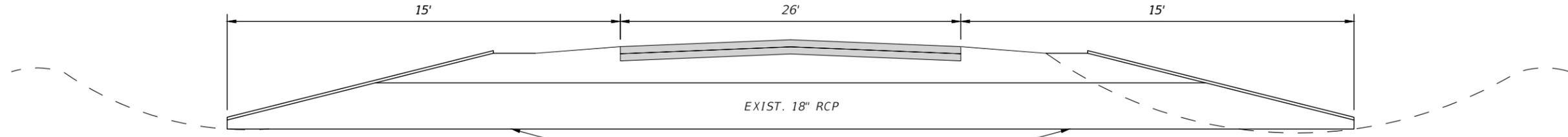
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					BIRLEY AVE.	COLUMBIA	447734-1	23



S-1 AND S-2
 REMOVE EXIST. MES AND PIPE.
 CONSTRUCT 56' OF 18" RCP AND MES.
 FL LT = 93.35
 FL RT = 93.25
 STA. 21+80

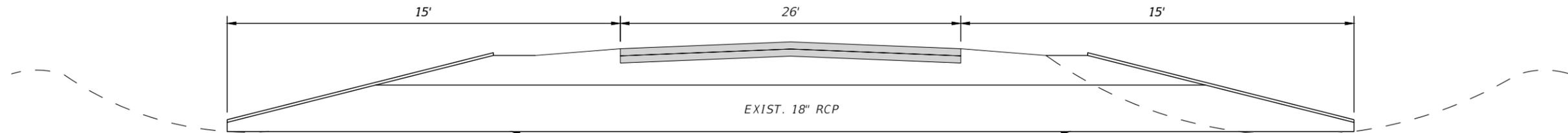


S-3 AND S-4
 REMOVE EXIST. MES AND PIPE.
 CONSTRUCT 56' OF 18" RCP AND MES.
 FL LT = 97.66
 FL RT = 97.76
 STA. 71+98

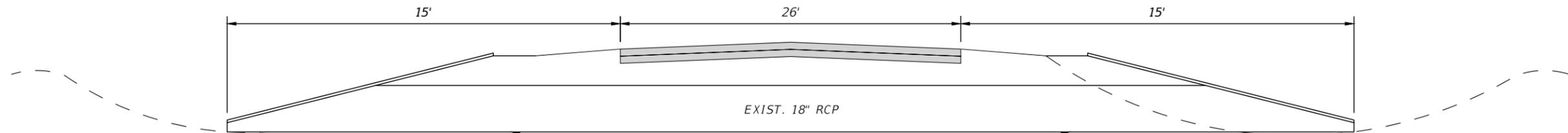


S-5 AND S-6
 REMOVE EXIST. MES AND PIPE.
 CONSTRUCT 56' OF 18" RCP AND MES.
 FL LT = 105.11
 FL RT = 105.21
 STA. 90+31

DATE				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1	DRAINAGE STRUCTURES	SHEET NO. 24
	DESCRIPTION	REVISIONS DATE	DESCRIPTION						



S-7 AND S-8
 REMOVE EXIST. MES AND PIPE.
 CONSTRUCT 56' OF 18" RCP AND MES.
 FL LT = 102.14
 FL RT = 102.24
 STA. 130+18



S-9 AND S-10
 REMOVE EXIST. MES AND PIPE.
 CONSTRUCT 56' OF 18" RCP AND MES.
 FL LT = 107.76
 FL RT = 107.86
 STA. 151+82

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

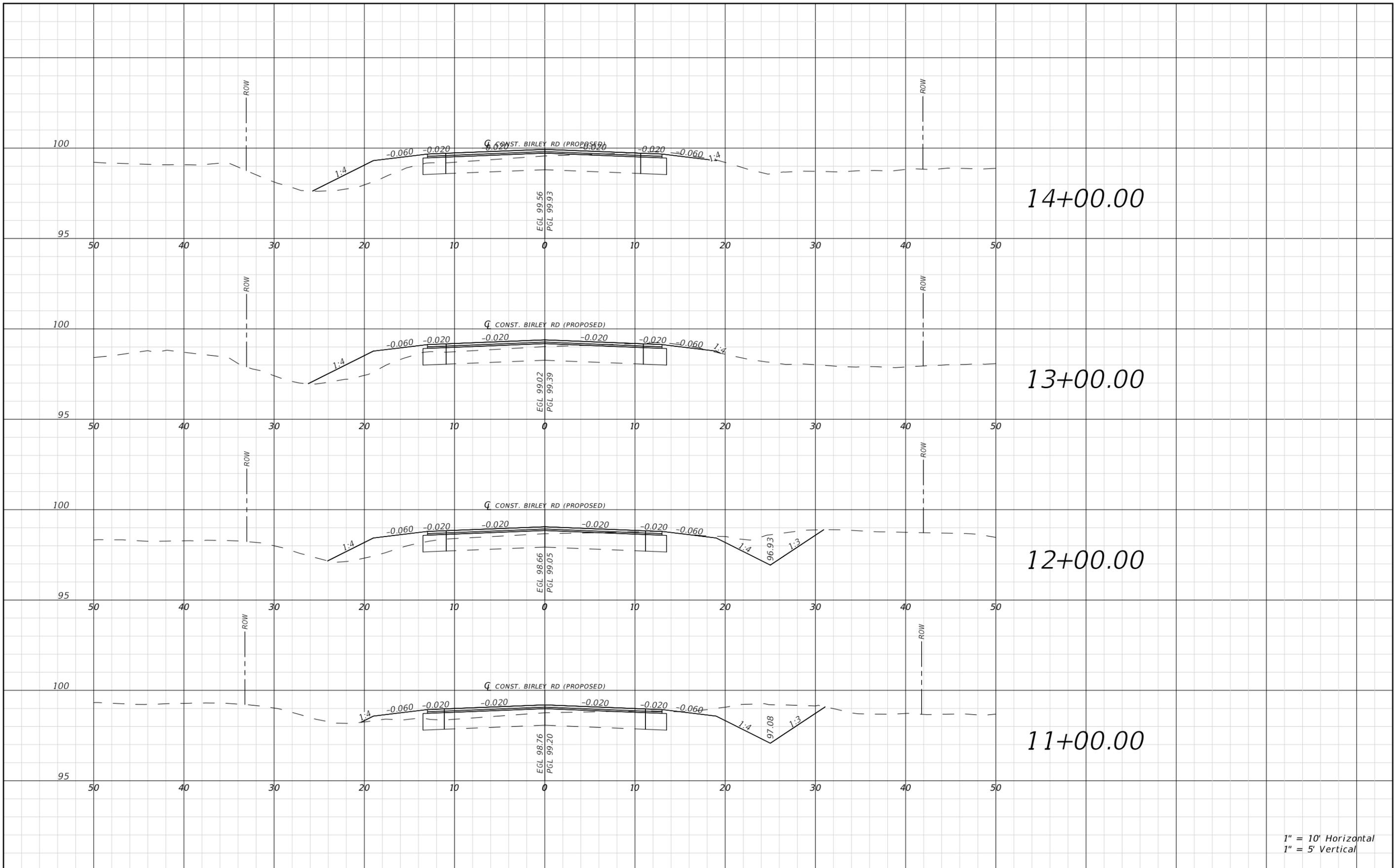
RYAN D. ASMUS
 P.E. LICENSE NUMBER 66626
 NFPS
 P.O. BOX 3823
 LAKE CITY, FLORIDA 32056
 CERTIFICATE OF AUTHORIZATION 29011

COLUMBIA COUNTY BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
BIRLEY AVE.	COLUMBIA	447734-1

DRAINAGE STRUCTURES

SHEET NO.
 24A

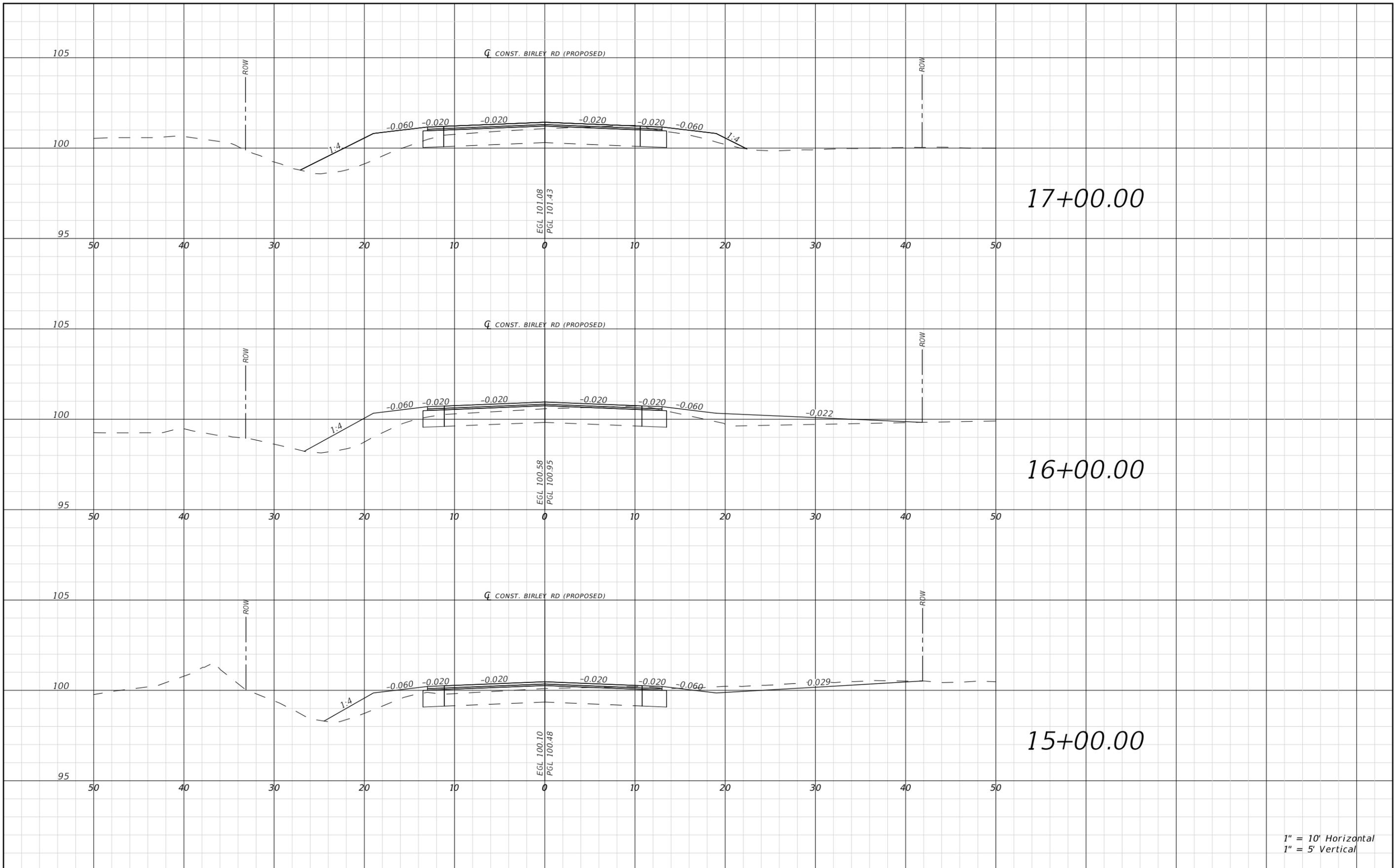
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1" = 10' Horizontal
1" = 5' Vertical

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 25
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

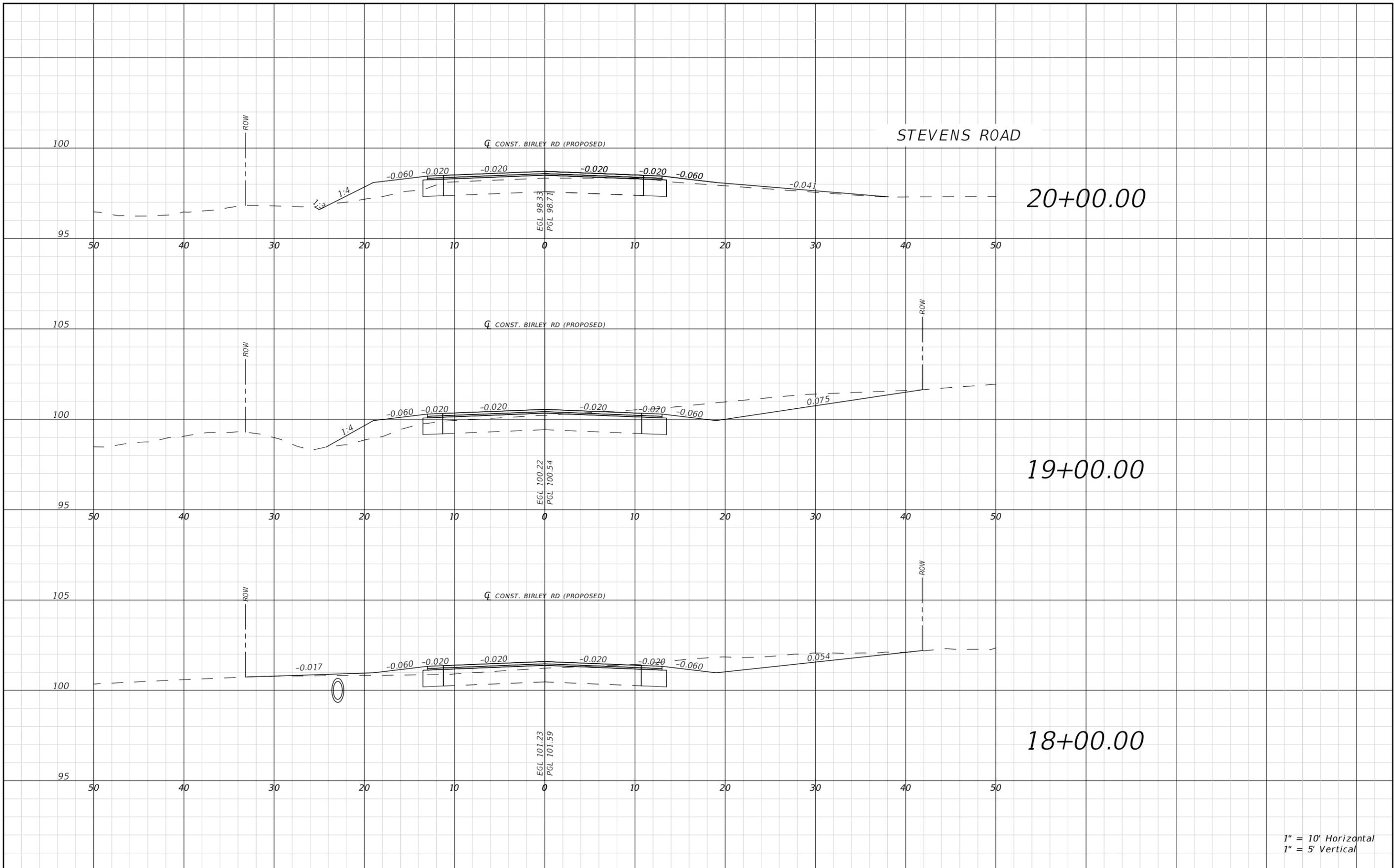
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 26
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

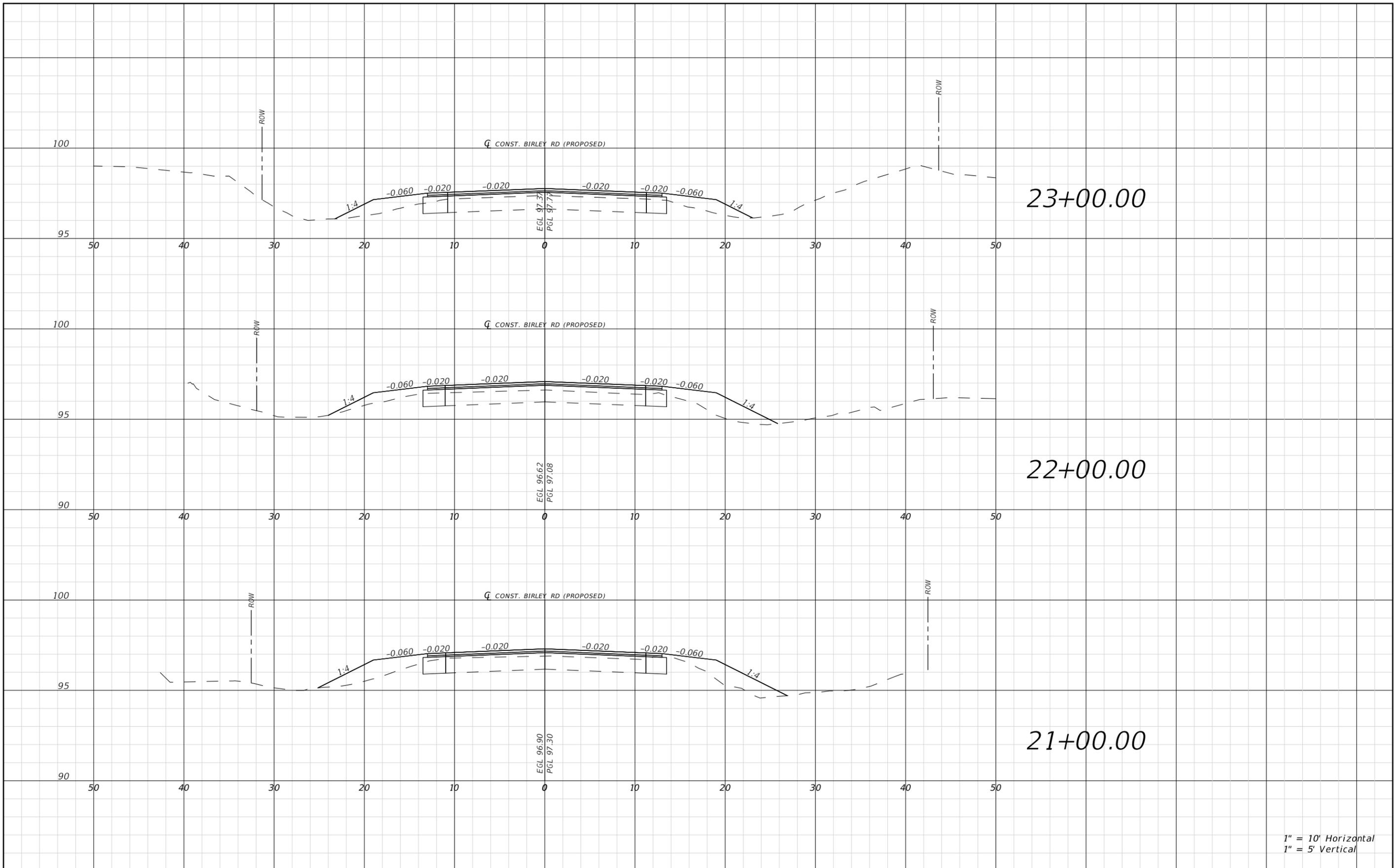
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 27
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

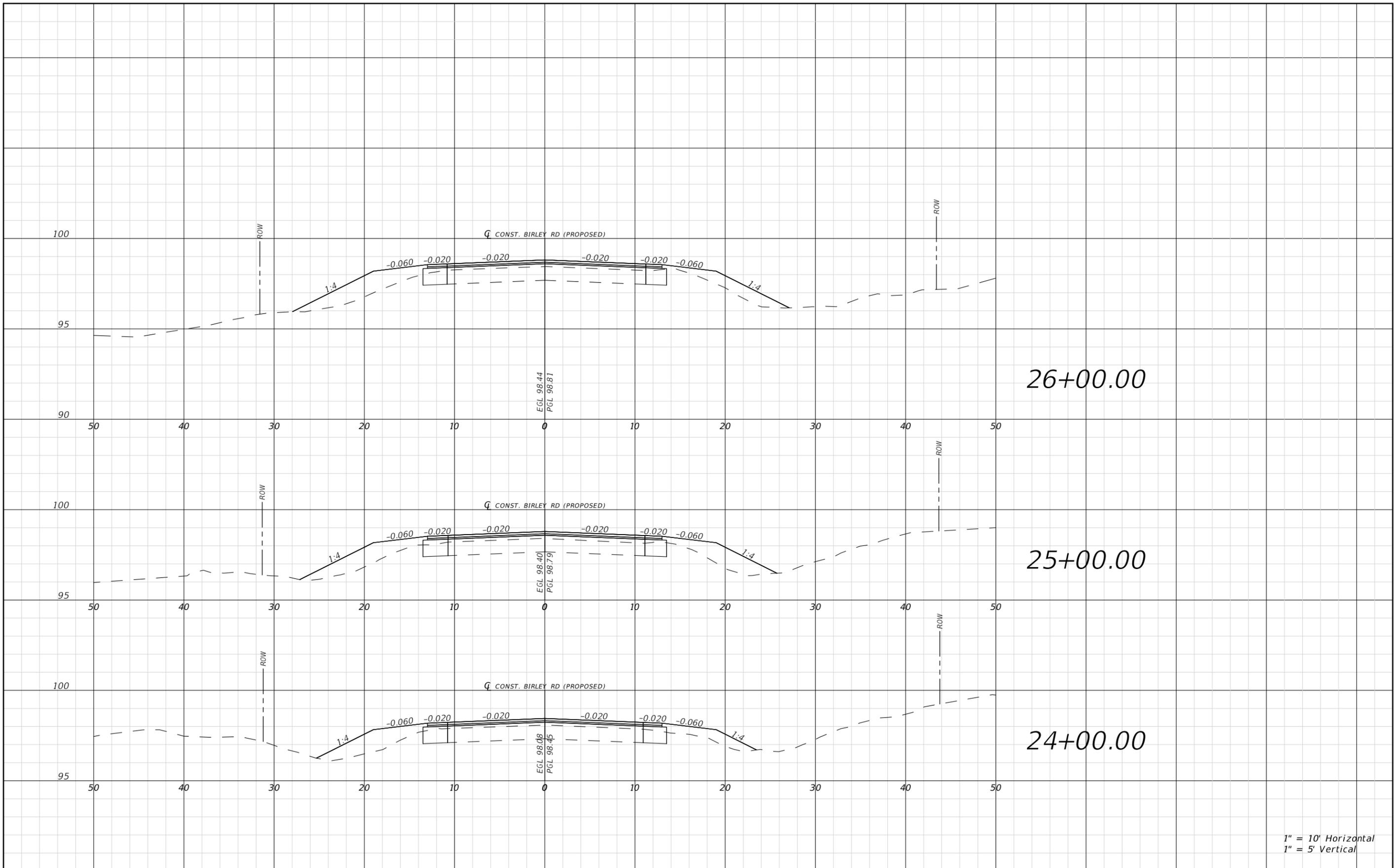
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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

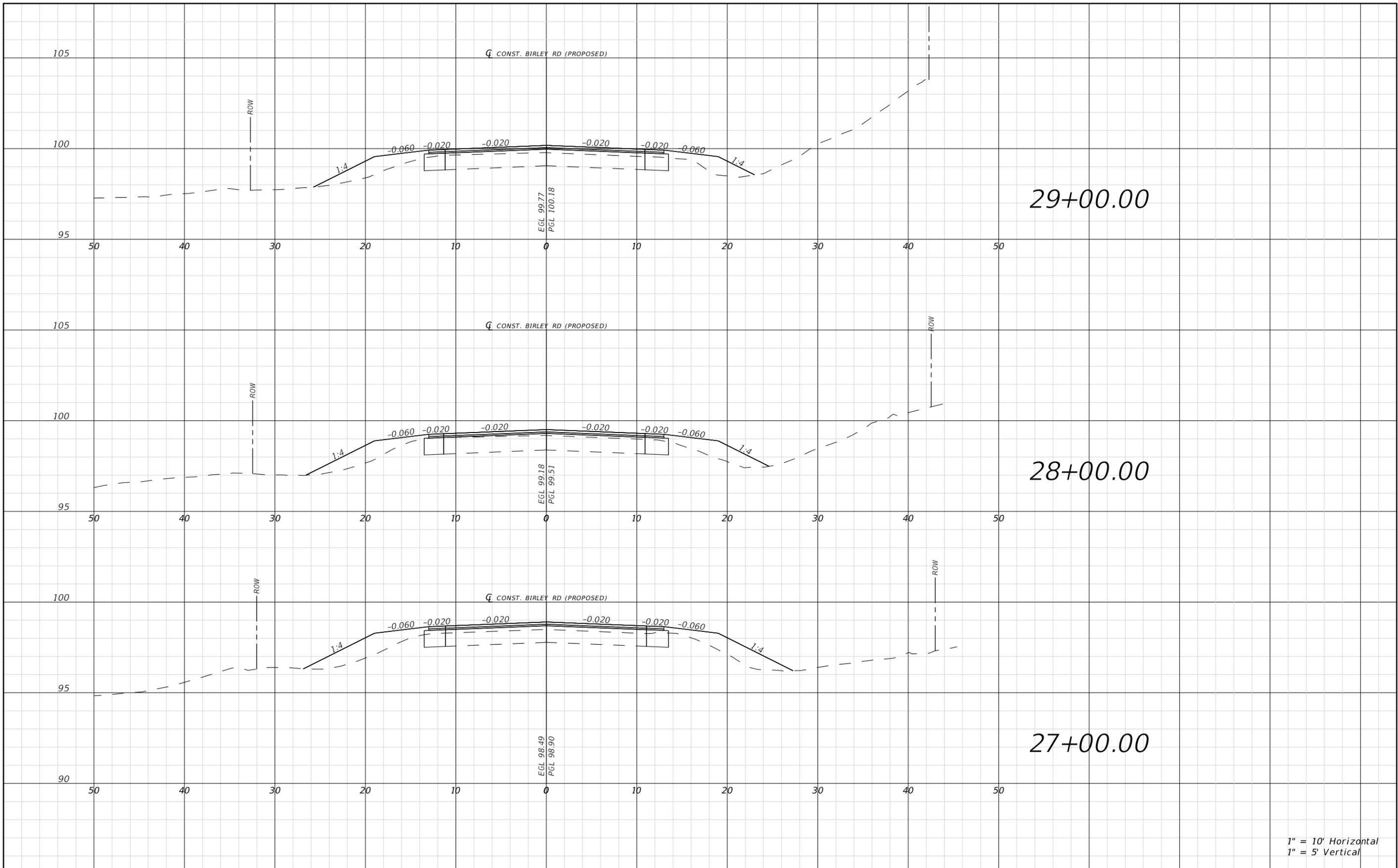
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 28
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

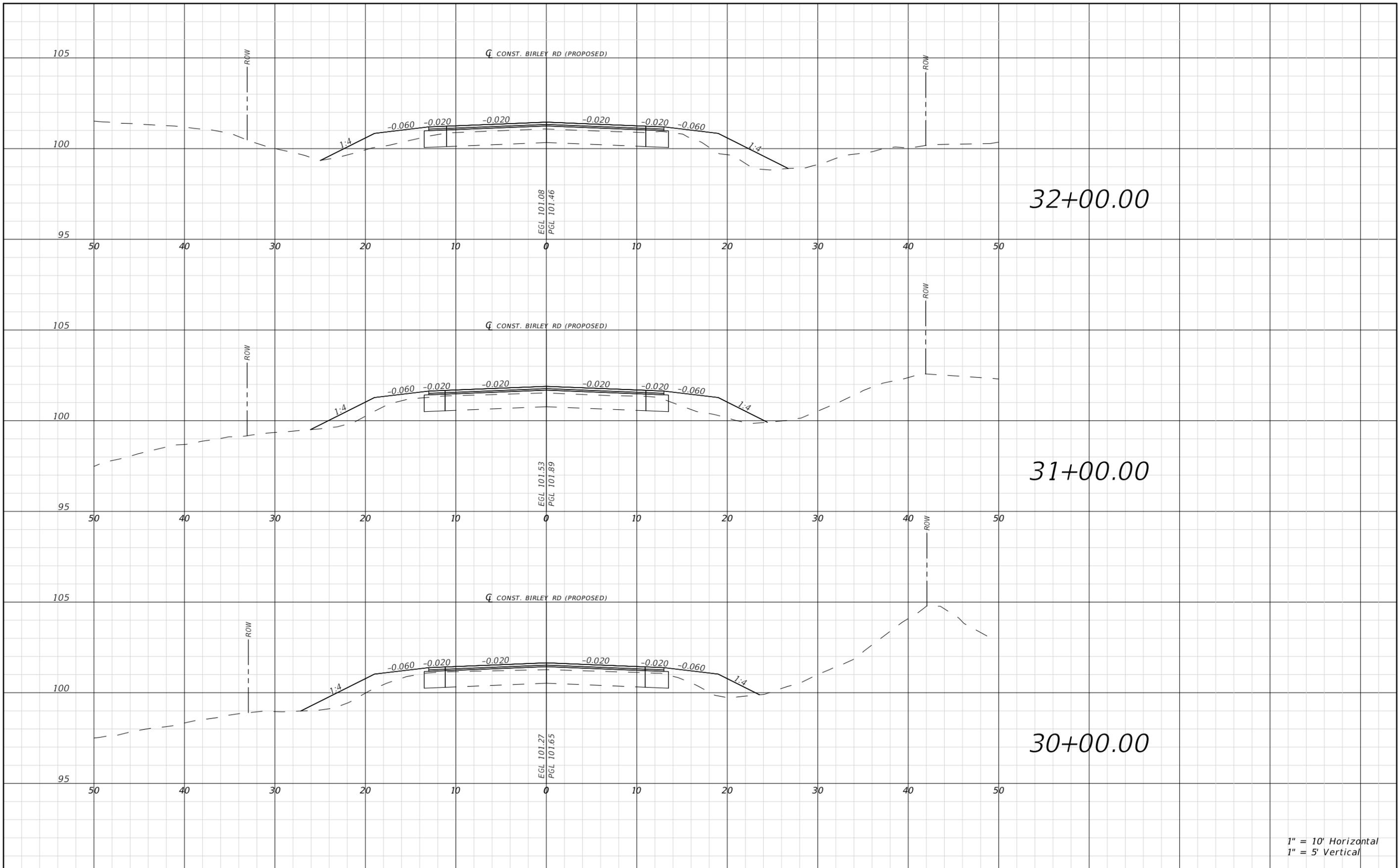
RYAN D. ASMUS
P.E. LICENSE NUMBER 66626
NFPS
P.O. BOX 3823
LAKE CITY, FLORIDA 32056
CERTIFICATE OF AUTHORIZATION 29011

COLUMBIA COUNTY BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
BIRLEY AVE.	COLUMBIA	447734-1

ROADWAY CROSS SECTIONS

SHEET NO.
30

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1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

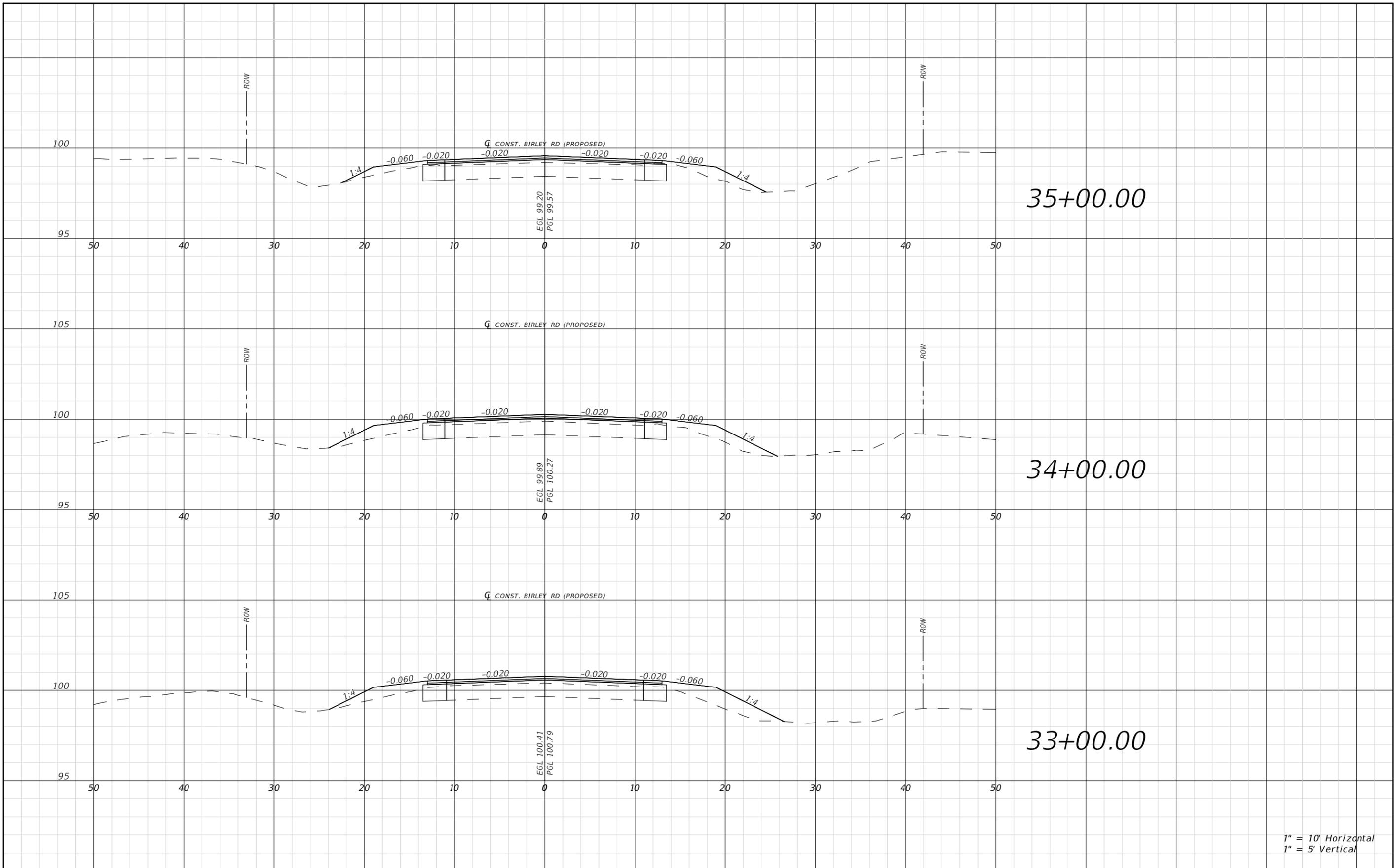
RYAN D. ASMUS
P.E. LICENSE NUMBER 66626
NFPS
P.O. BOX 3823
LAKE CITY, FLORIDA 32056
CERTIFICATE OF AUTHORIZATION 29011

COLUMBIA COUNTY BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
BIRLEY AVE.	COLUMBIA	447734-1

ROADWAY CROSS SECTIONS

SHEET NO.
31

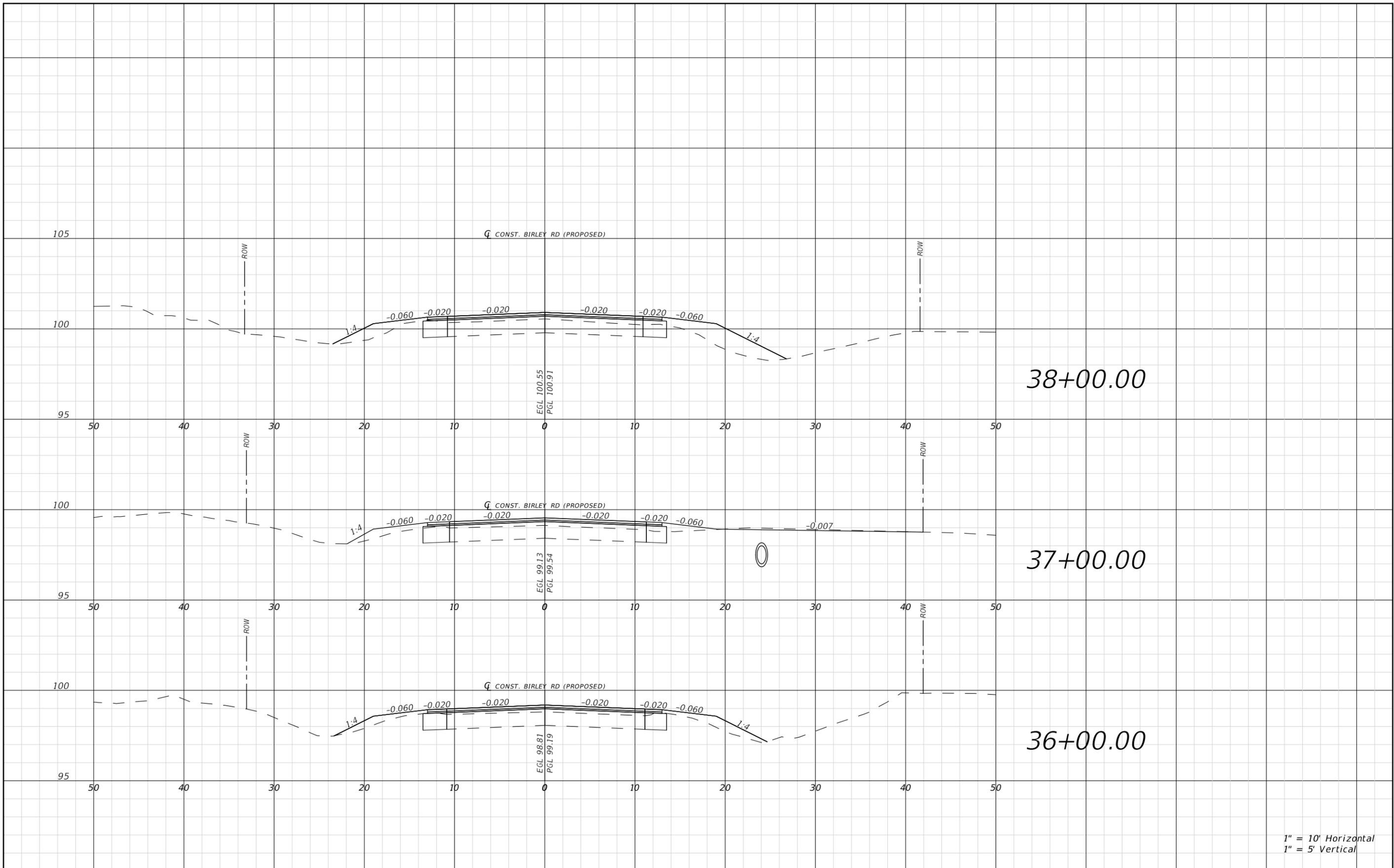
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REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 32
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

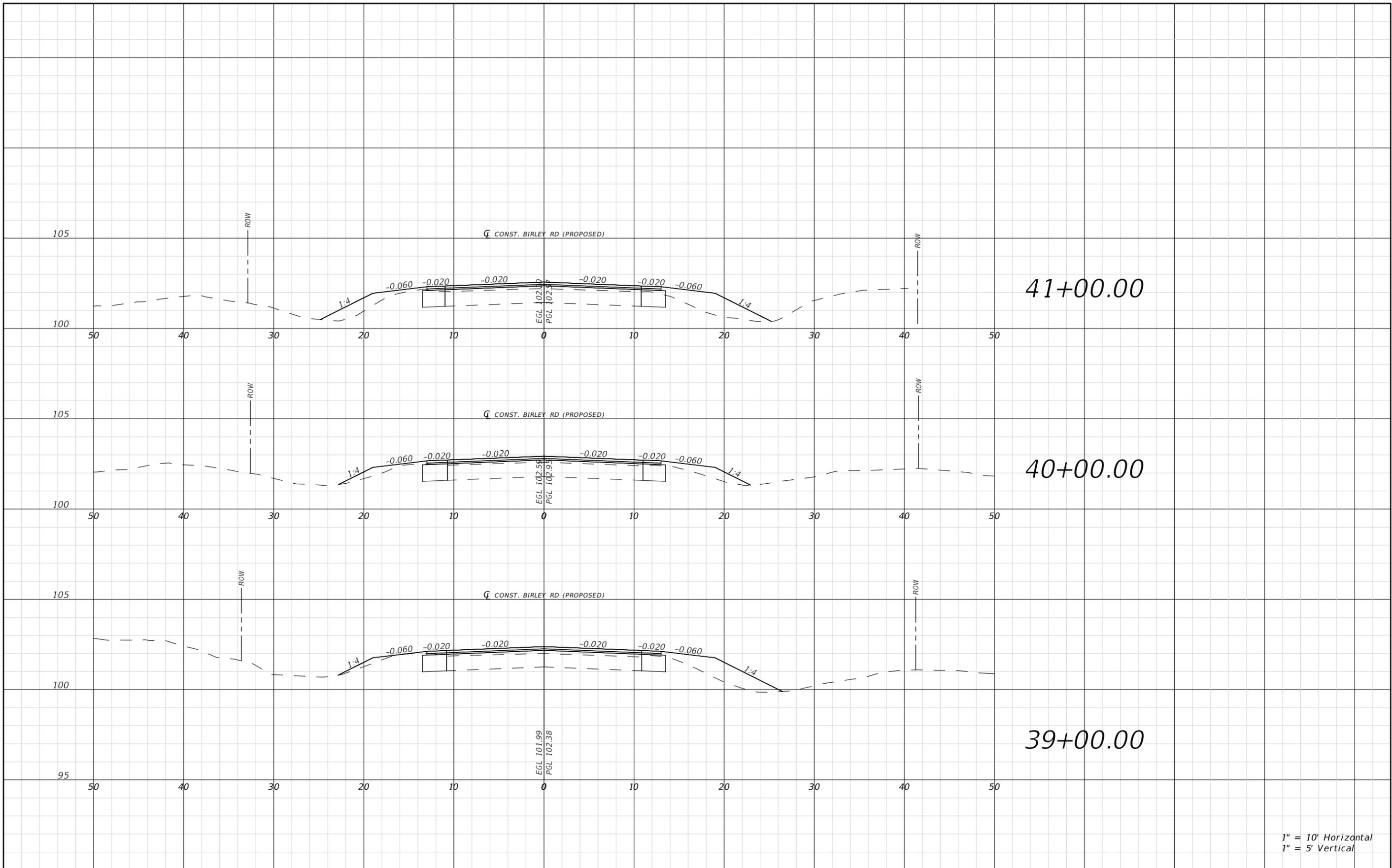
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REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 33
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

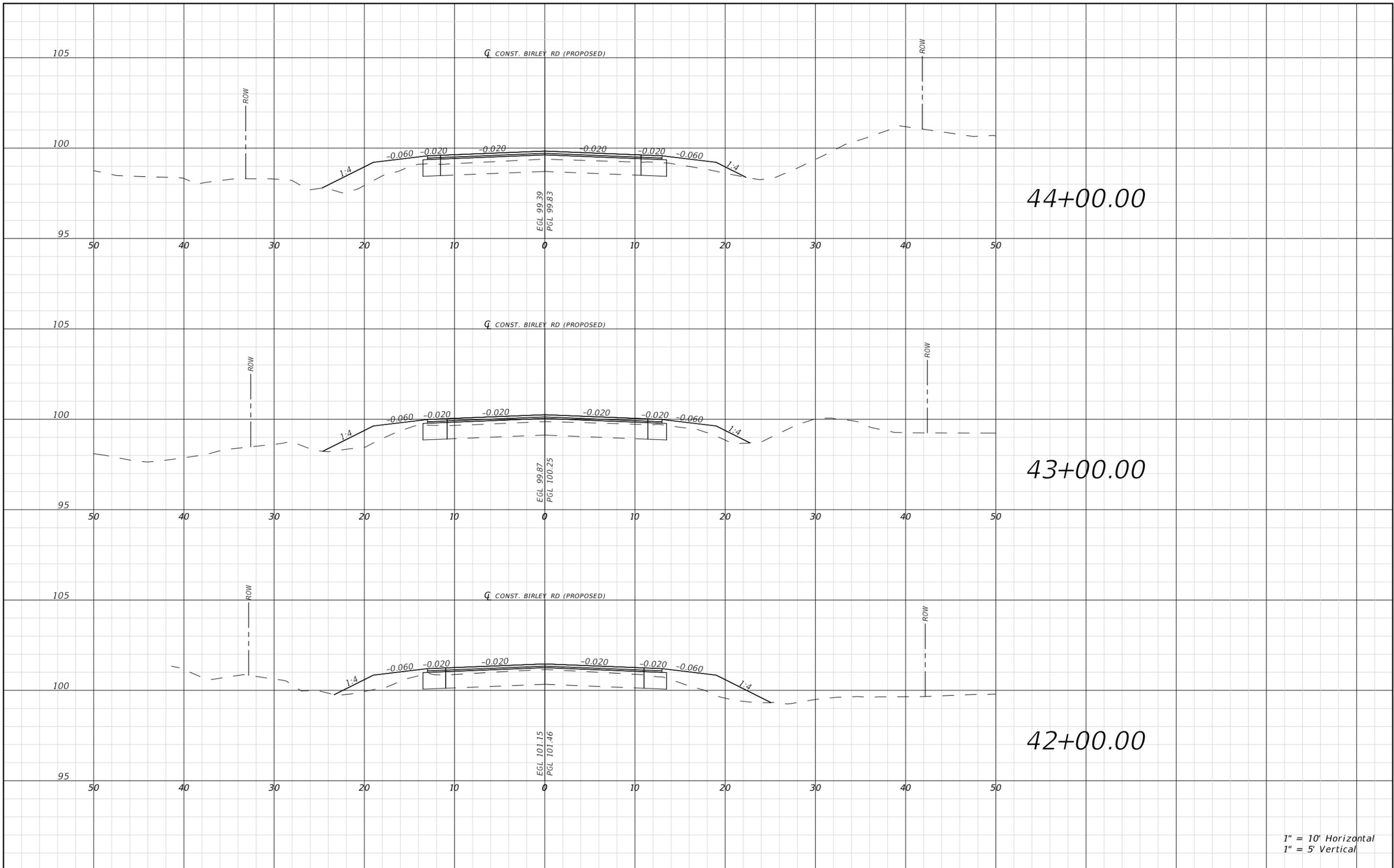
RYAN D. ASMUS
P.E. LICENSE NUMBER 66626
NFPS
P.O. BOX 3823
LAKE CITY, FLORIDA 32056
CERTIFICATE OF AUTHORIZATION 29011

COLUMBIA COUNTY BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
BIRLEY AVE.	COLUMBIA	447734-1

ROADWAY CROSS SECTIONS

SHEET NO.
34

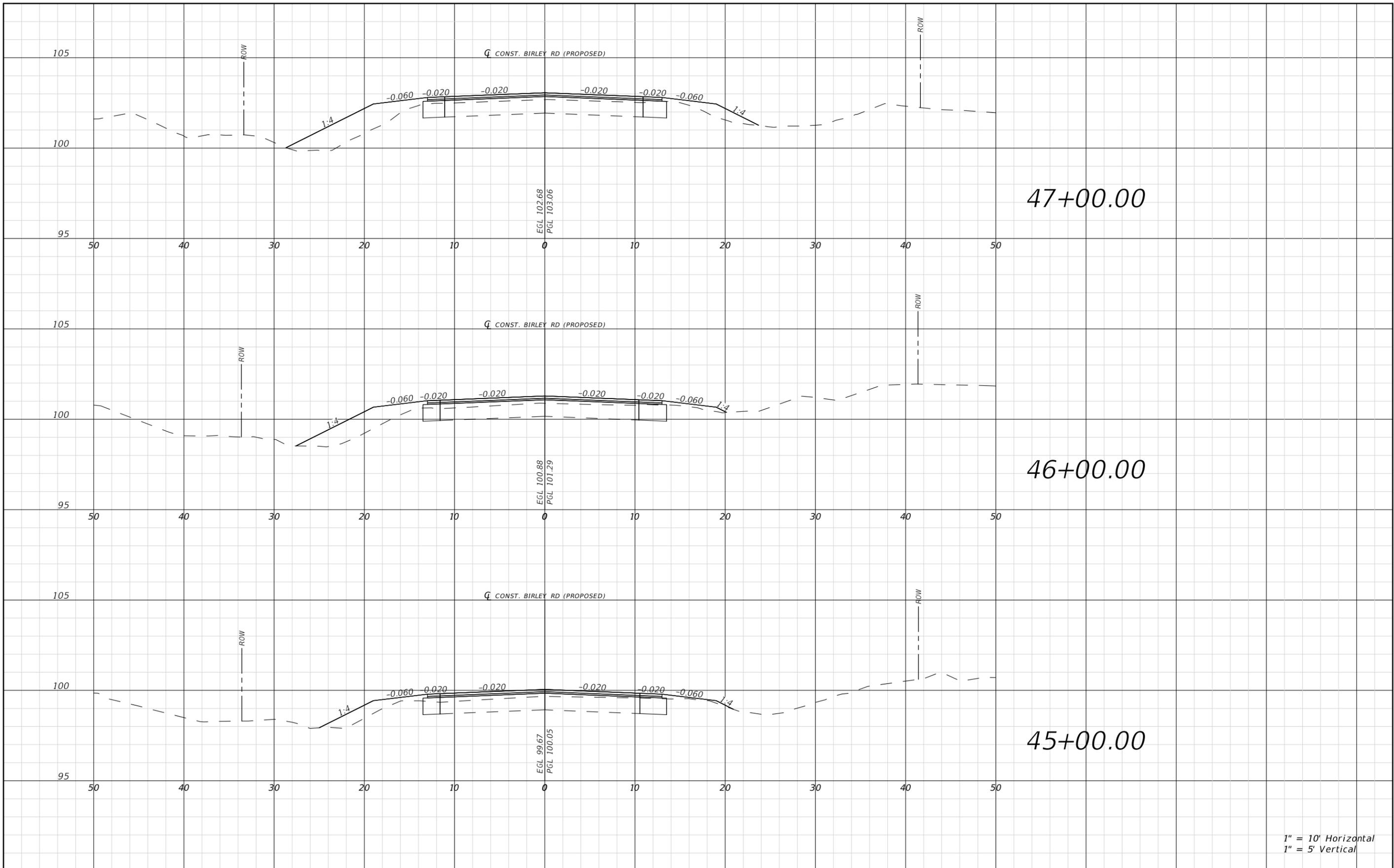
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1" = 10' Horizontal
1" = 5' Vertical

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 35
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

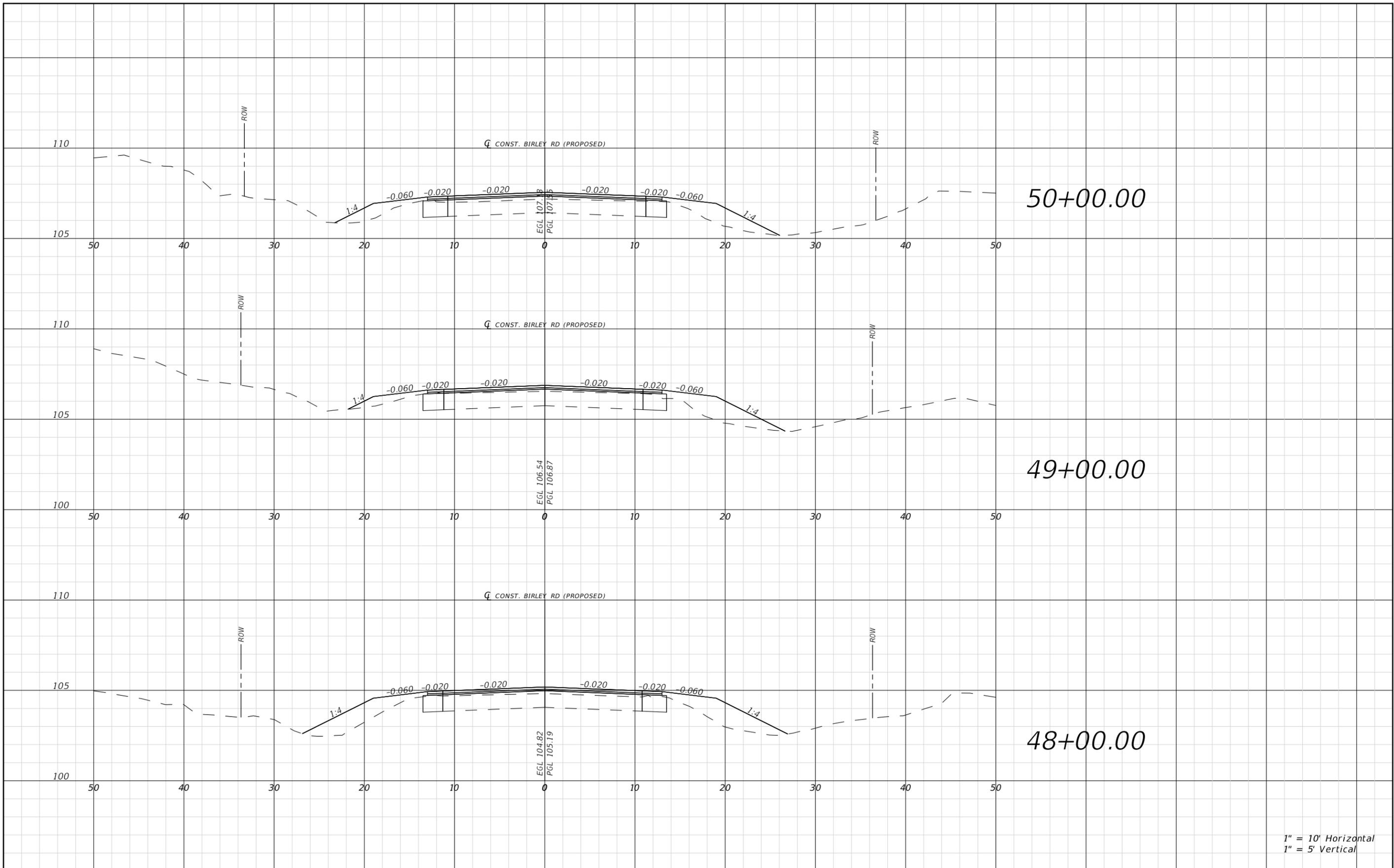
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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1" = 5' Vertical

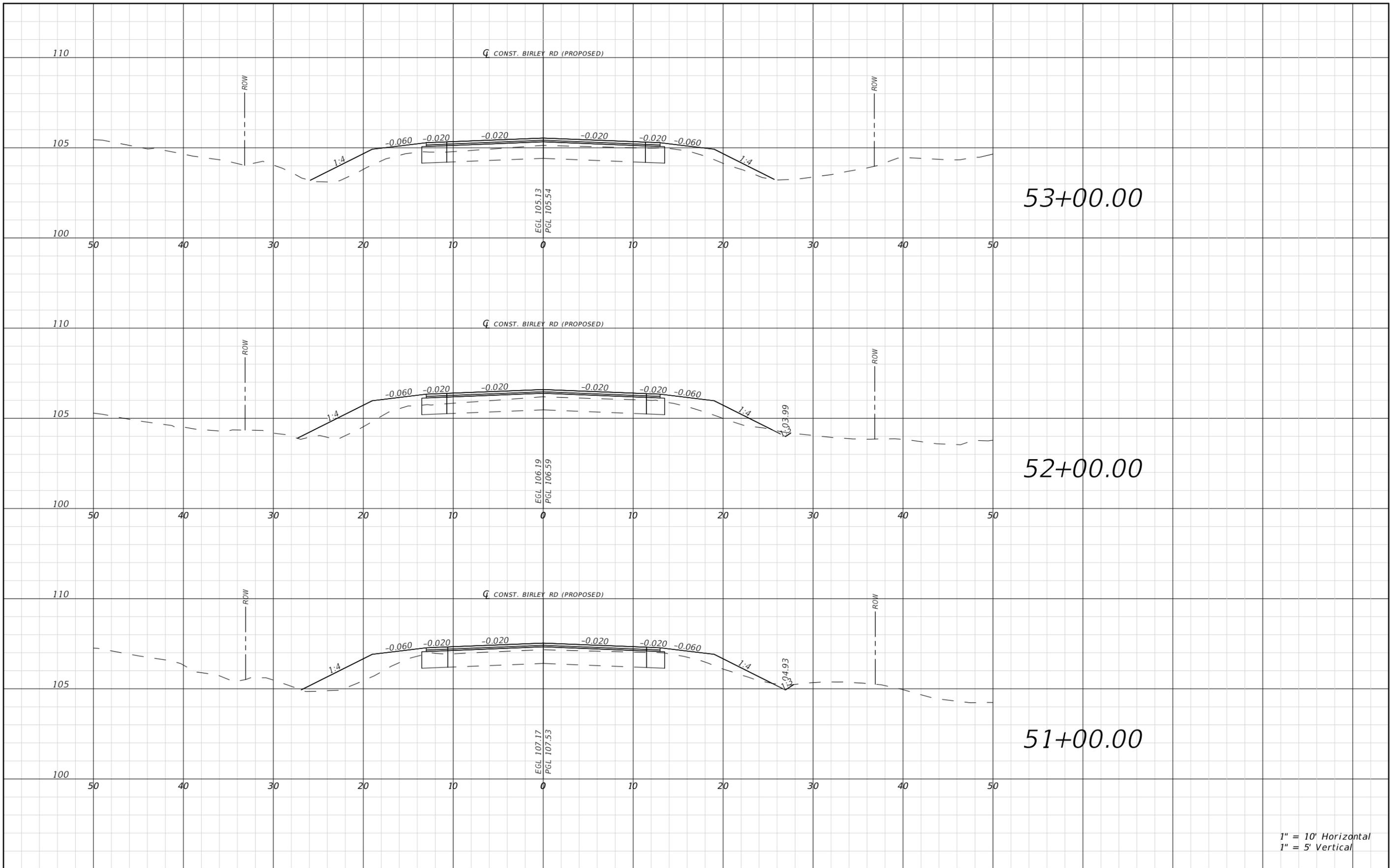
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 36
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 37
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

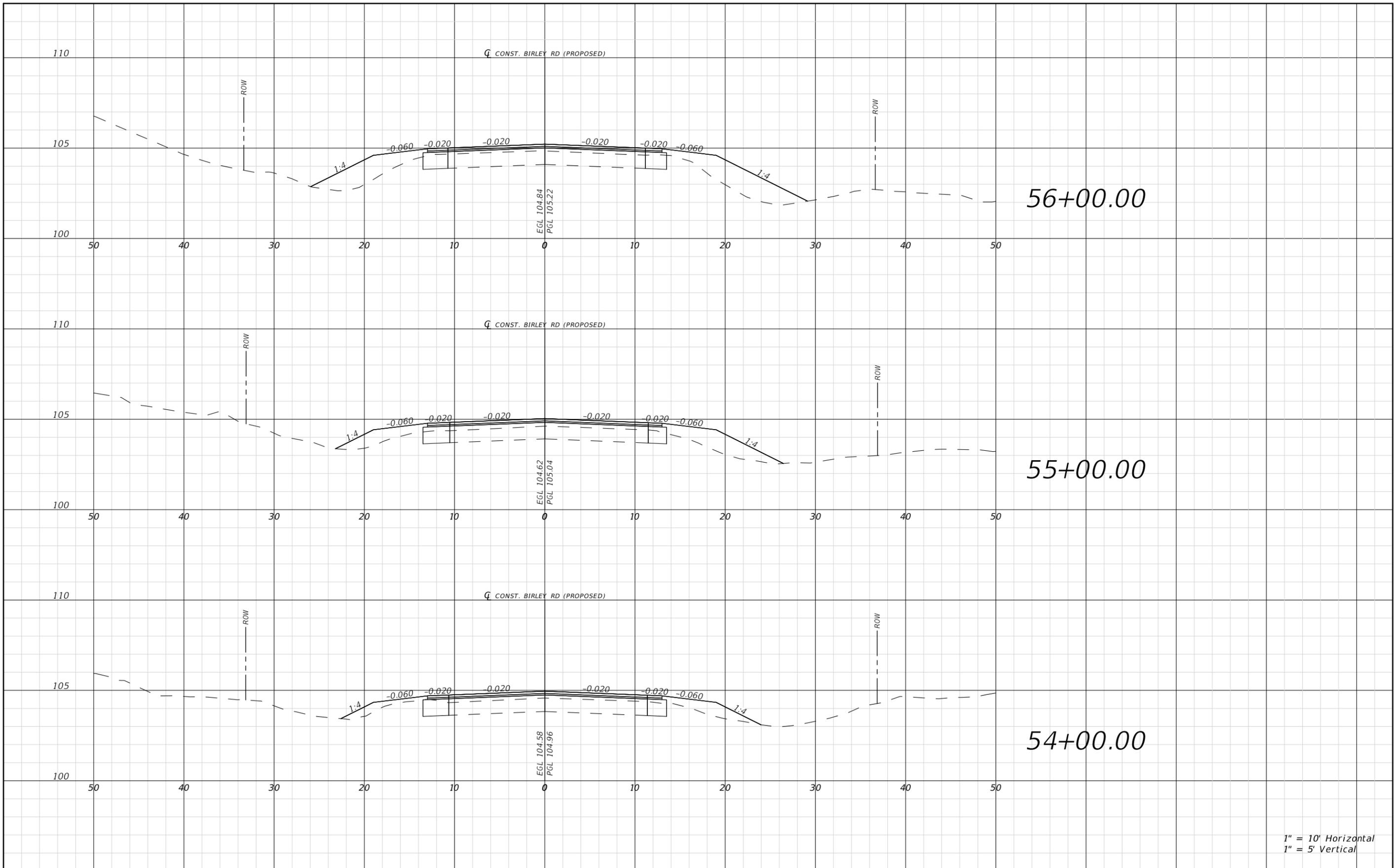
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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1" = 5' Vertical

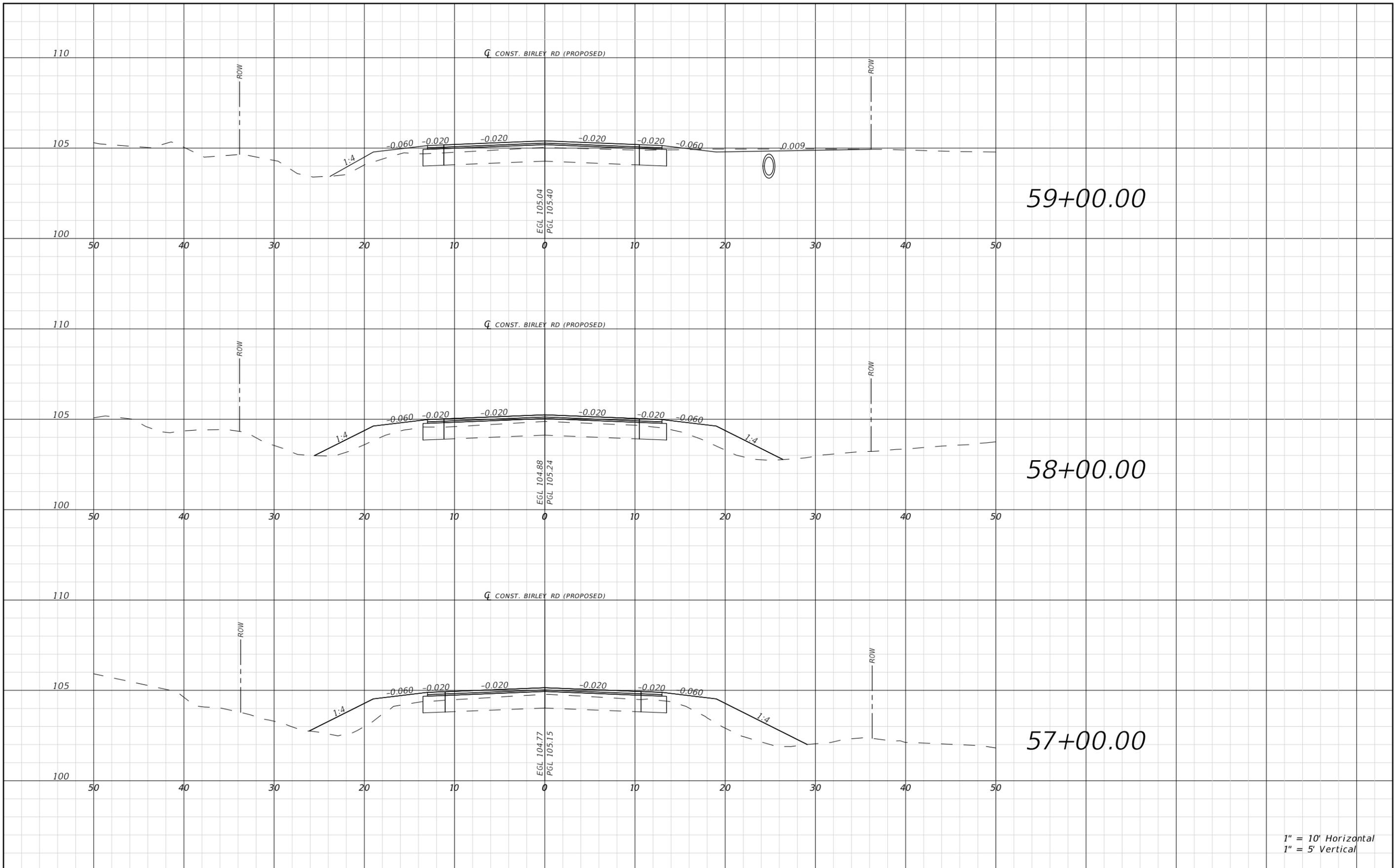
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 38
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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



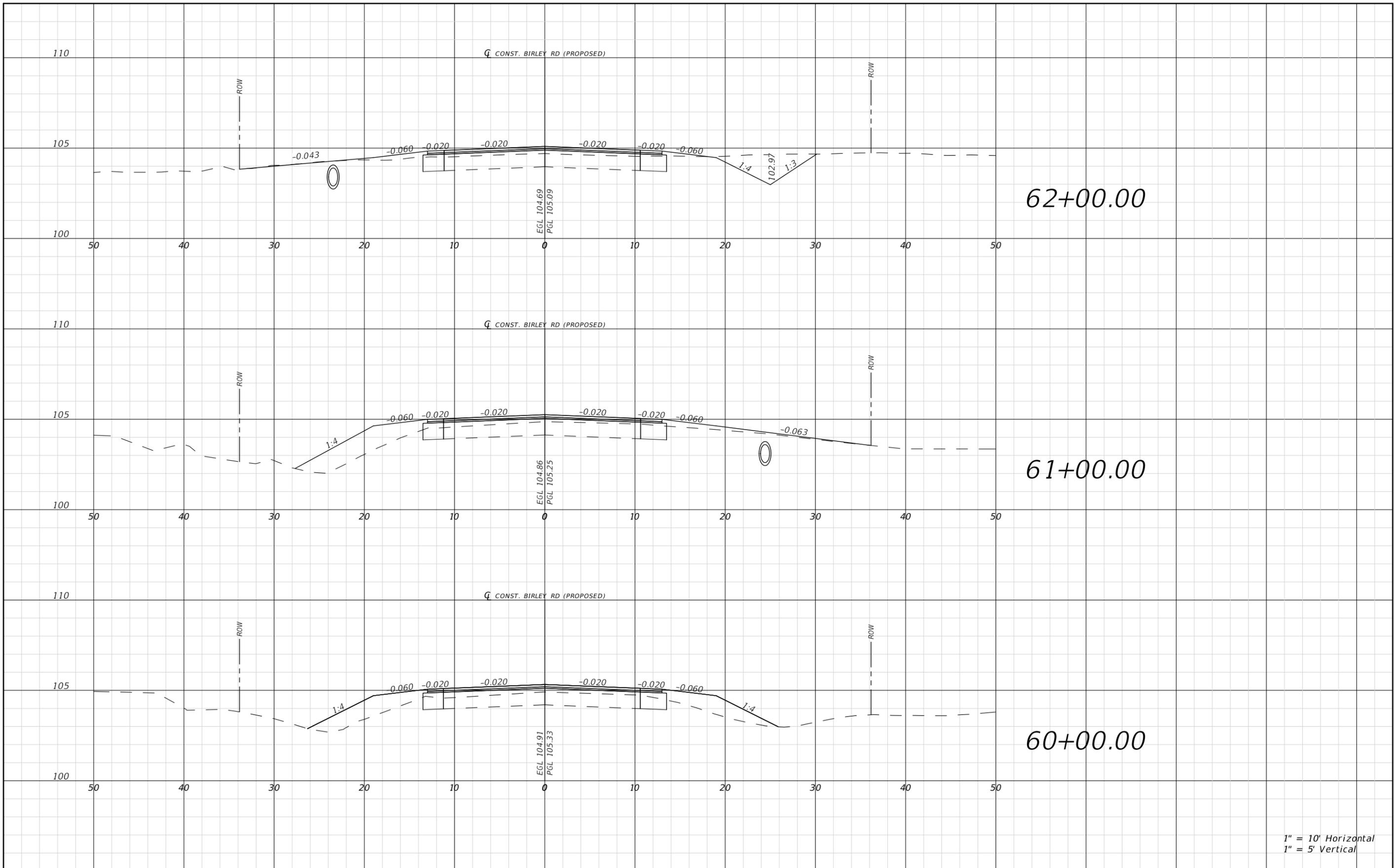
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 39
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		



REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 40
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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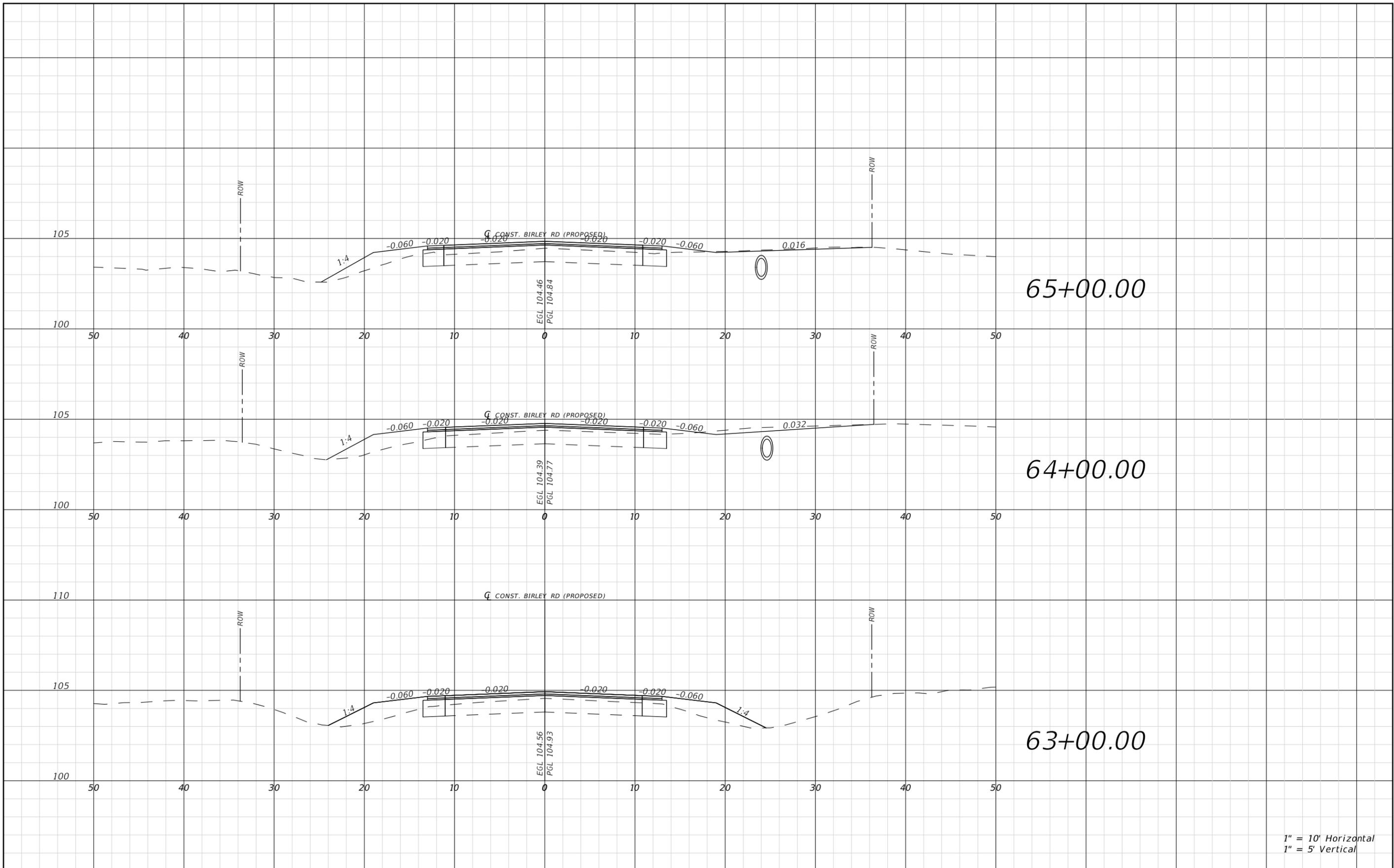
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RYAN D. ASMUS
 P.E. LICENSE NUMBER 66626
 NFPS
 P.O. BOX 3823
 LAKE CITY, FLORIDA 32056
 CERTIFICATE OF AUTHORIZATION 29011

COLUMBIA COUNTY BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
BIRLEY AVE.	COLUMBIA	447734-1

ROADWAY CROSS SECTIONS
 SHEET NO. 41

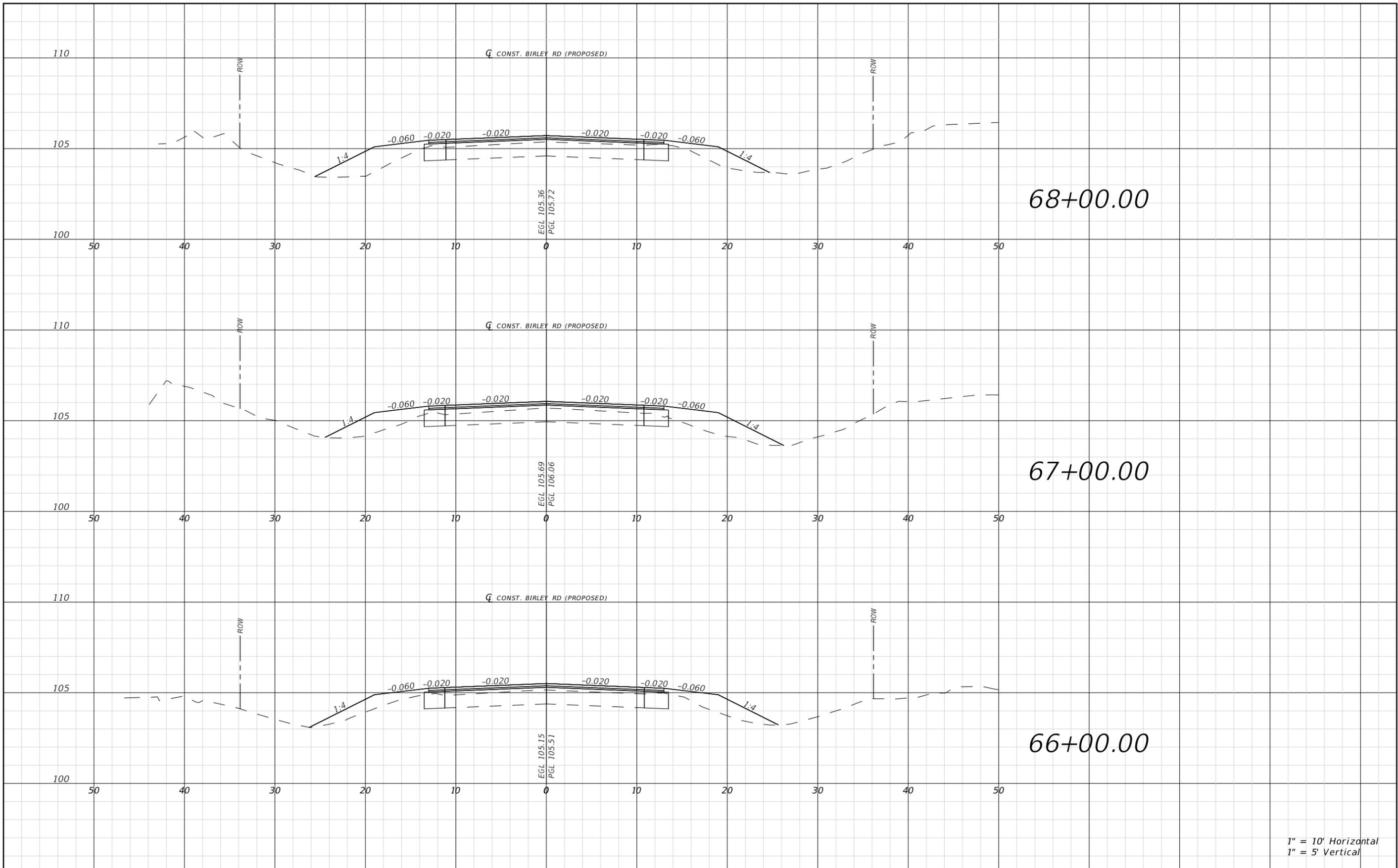
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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

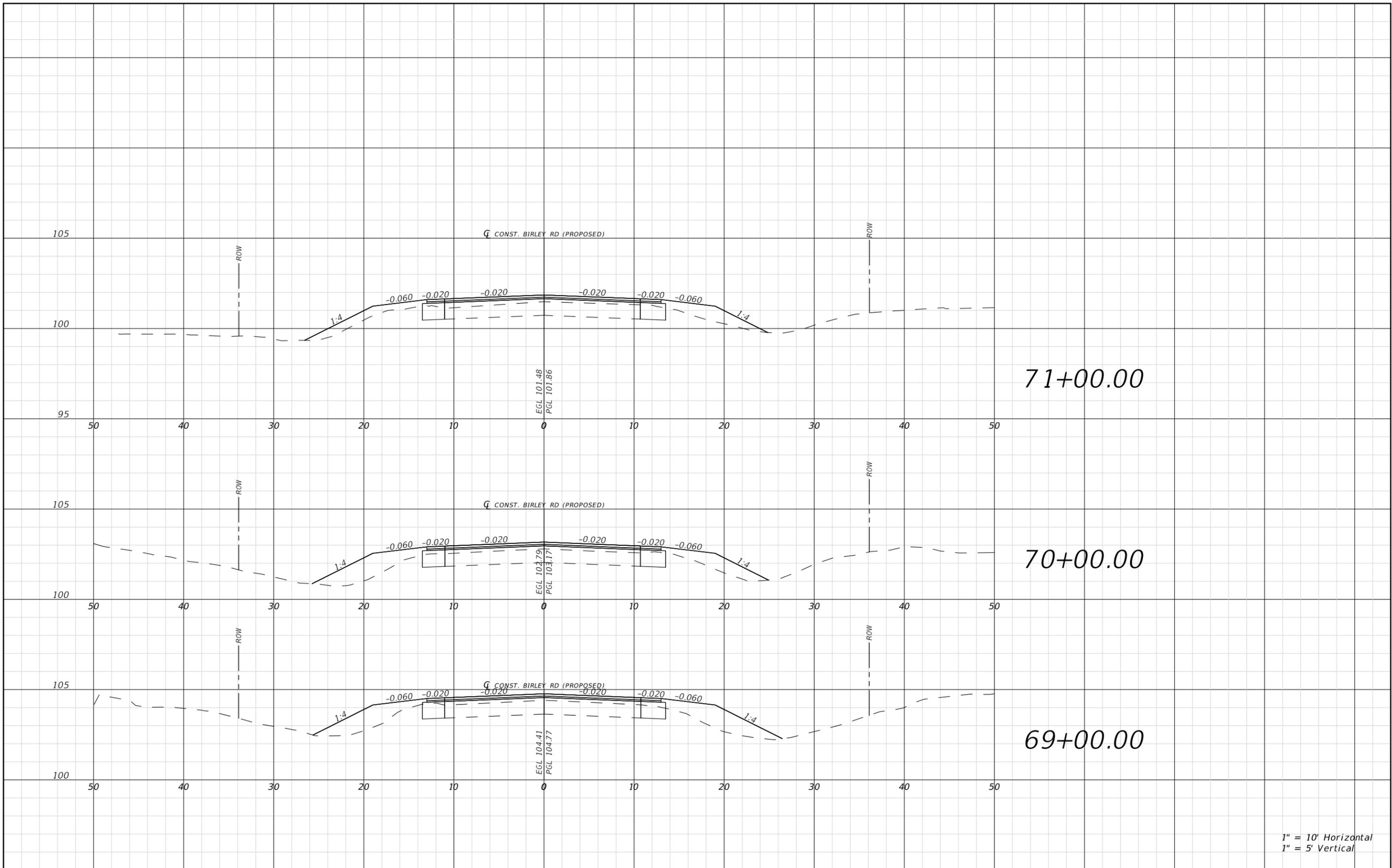
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 42
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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



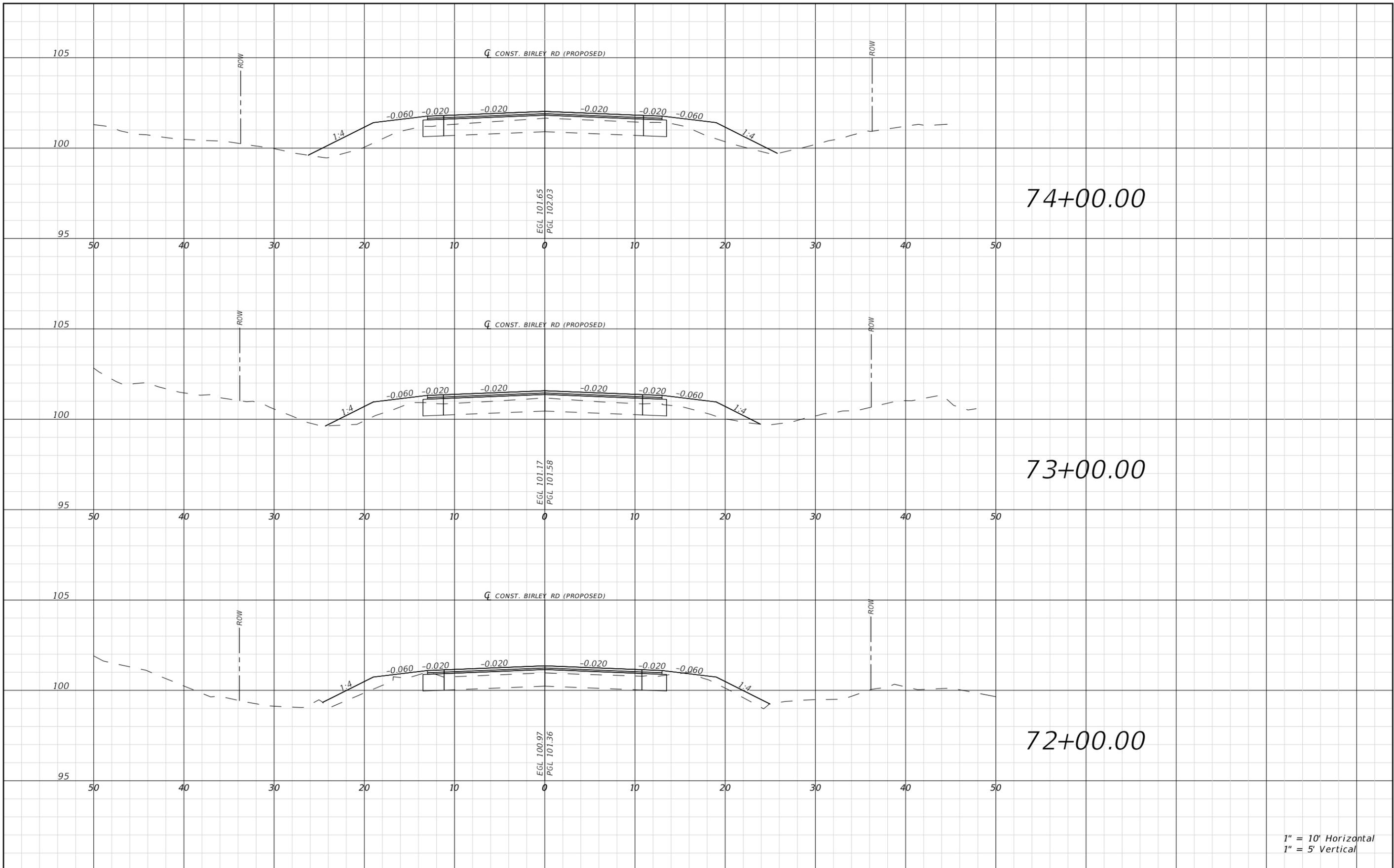
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 43
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		



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

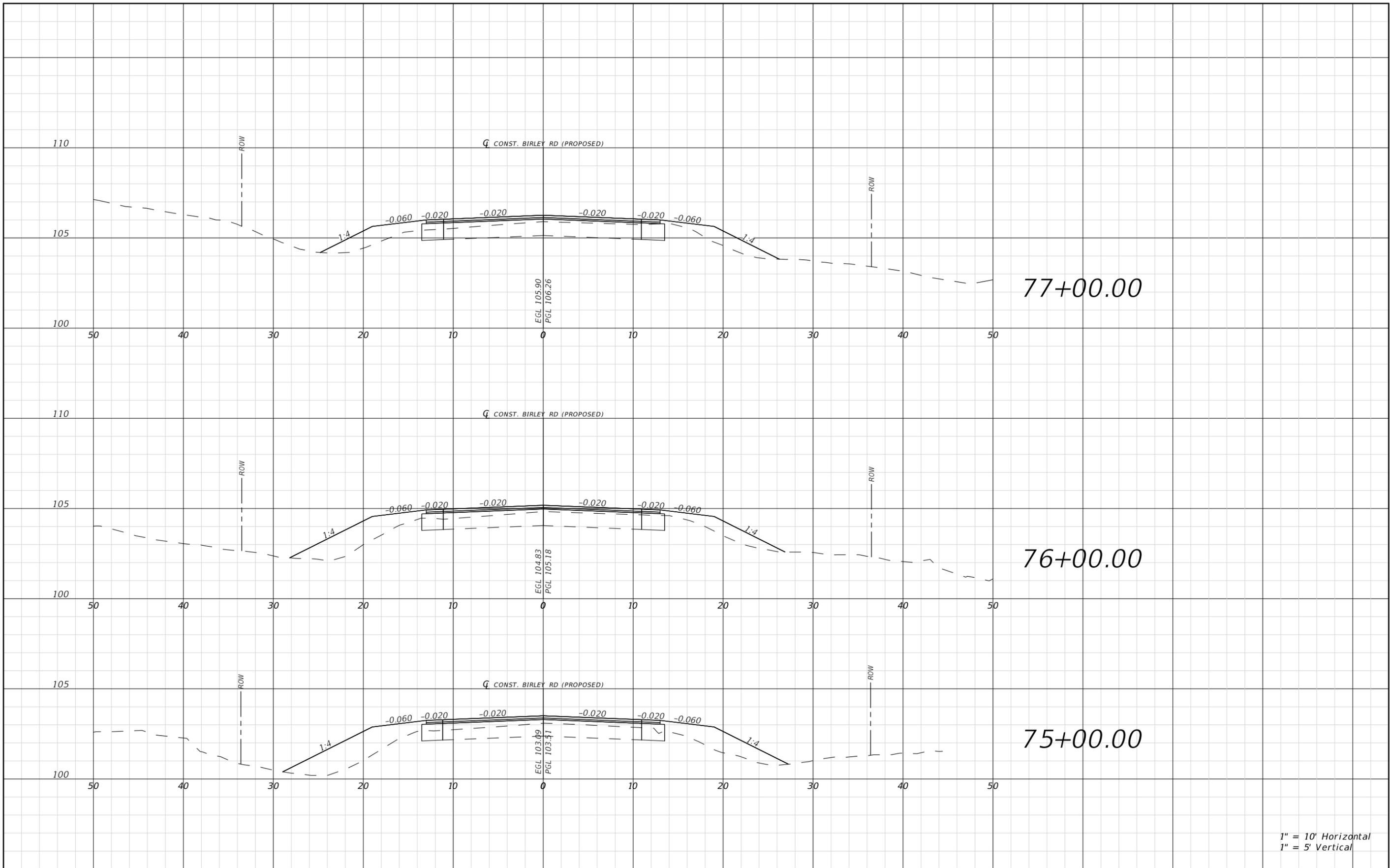
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 44
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		



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

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 45
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

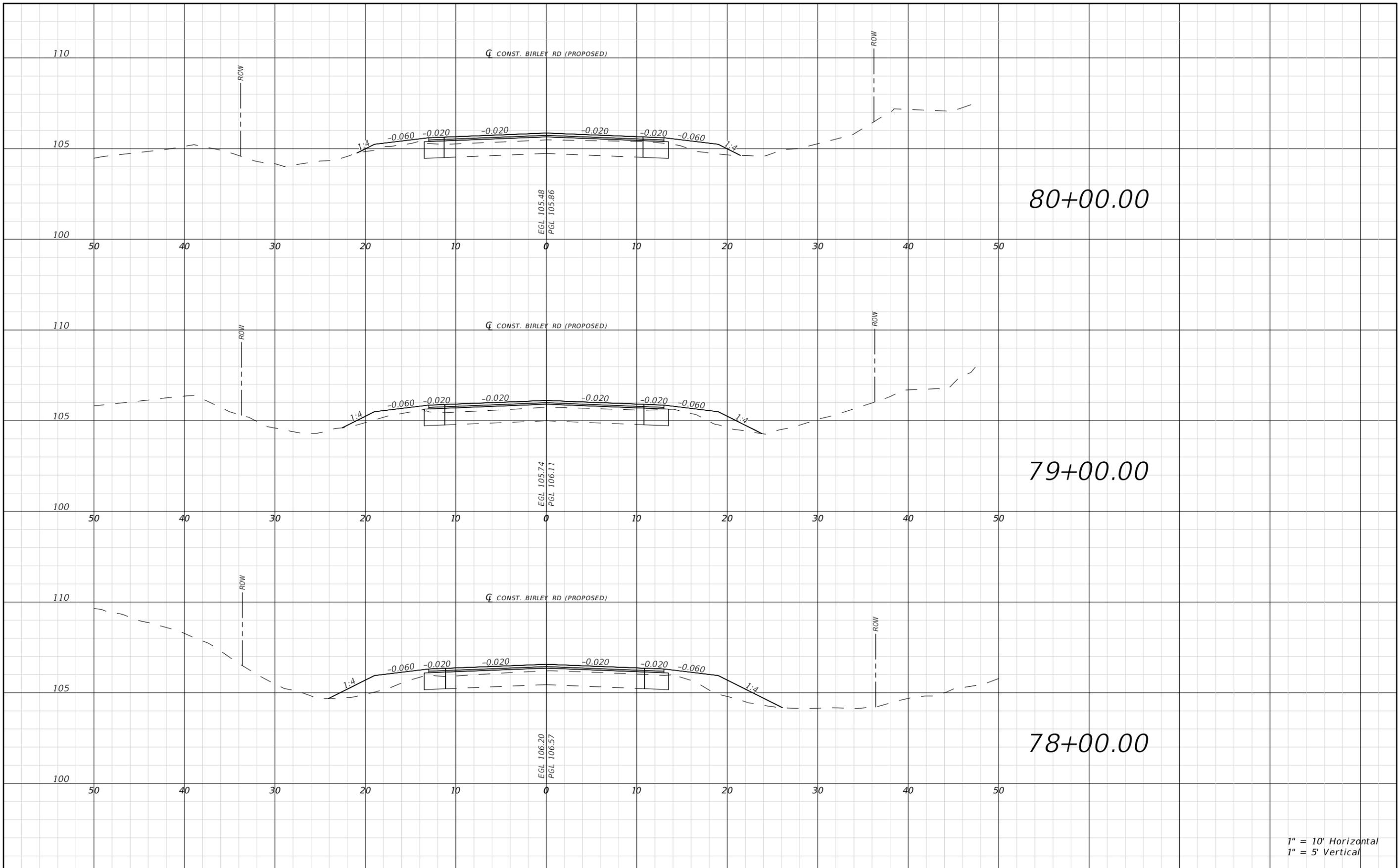
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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1" = 5' Vertical

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 46
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

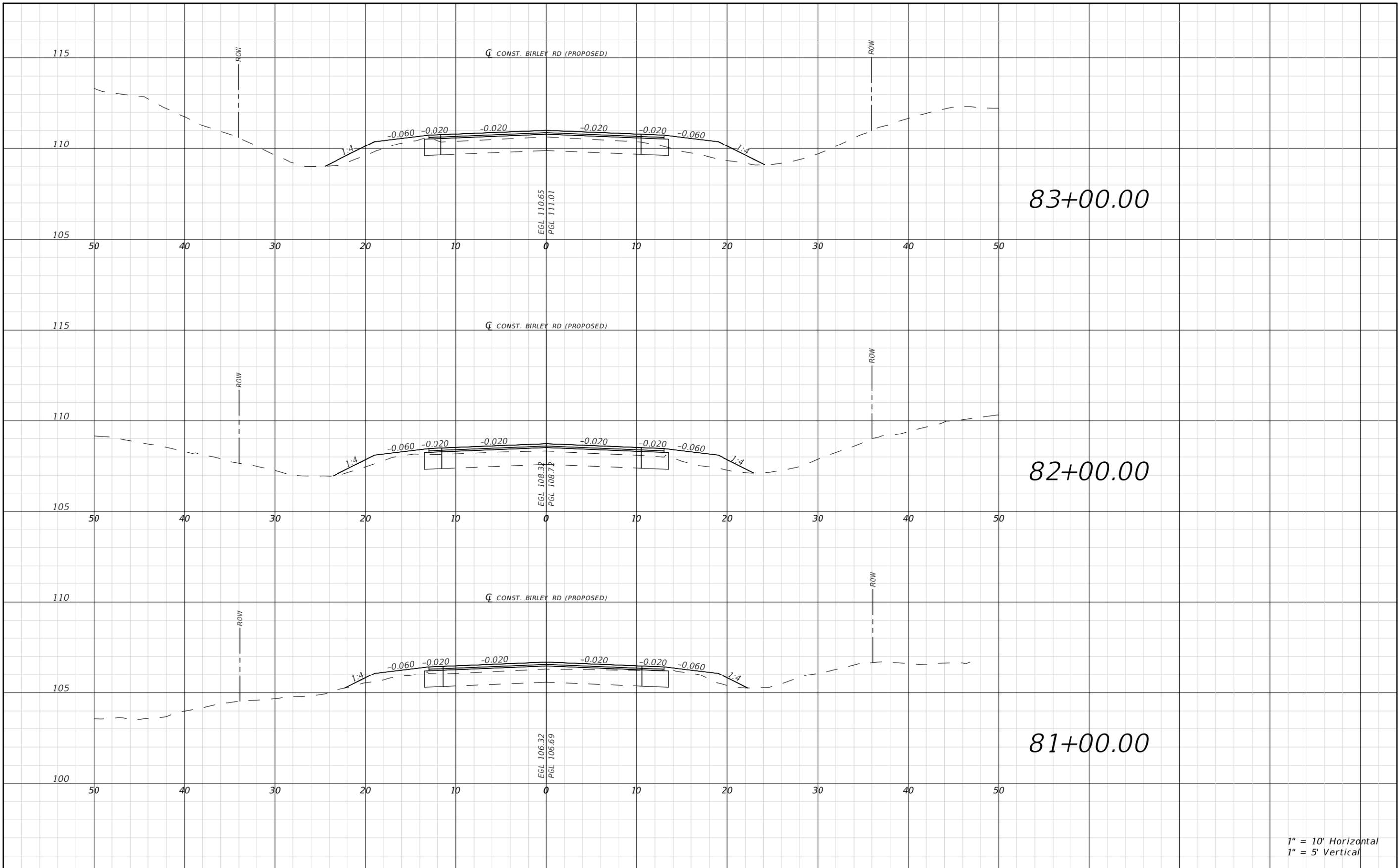
RYAN D. ASMUS
P.E. LICENSE NUMBER 66626
NFPS
P.O. BOX 3823
LAKE CITY, FLORIDA 32056
CERTIFICATE OF AUTHORIZATION 29011

COLUMBIA COUNTY BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
BIRLEY AVE.	COLUMBIA	447734-1

ROADWAY CROSS SECTIONS

SHEET NO.
47

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

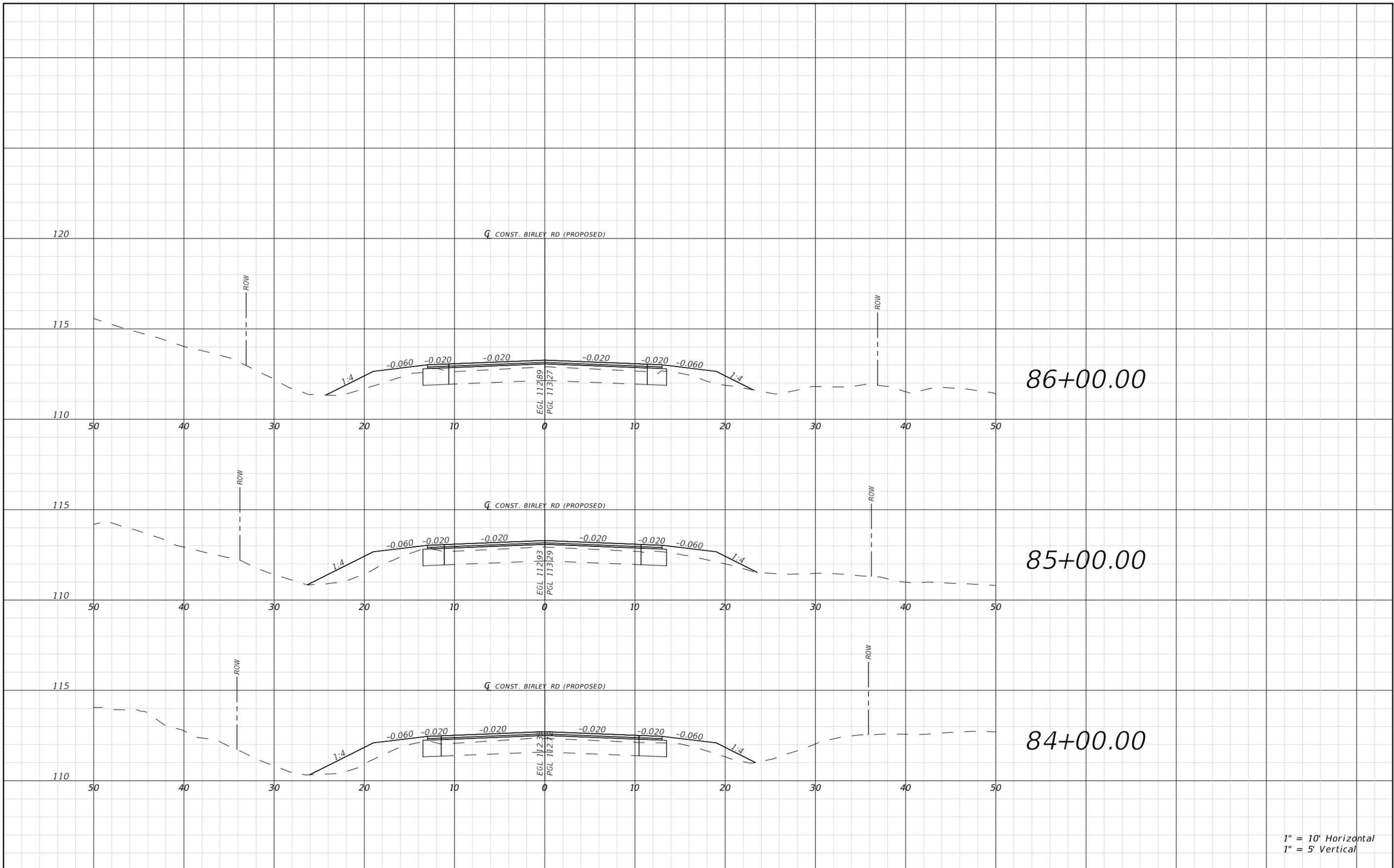
RYAN D. ASMUS
P.E. LICENSE NUMBER 66626
NFPS
P.O. BOX 3823
LAKE CITY, FLORIDA 32056
CERTIFICATE OF AUTHORIZATION 29011

COLUMBIA COUNTY BOCC		
ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1

ROADWAY CROSS SECTIONS

SHEET NO. 48

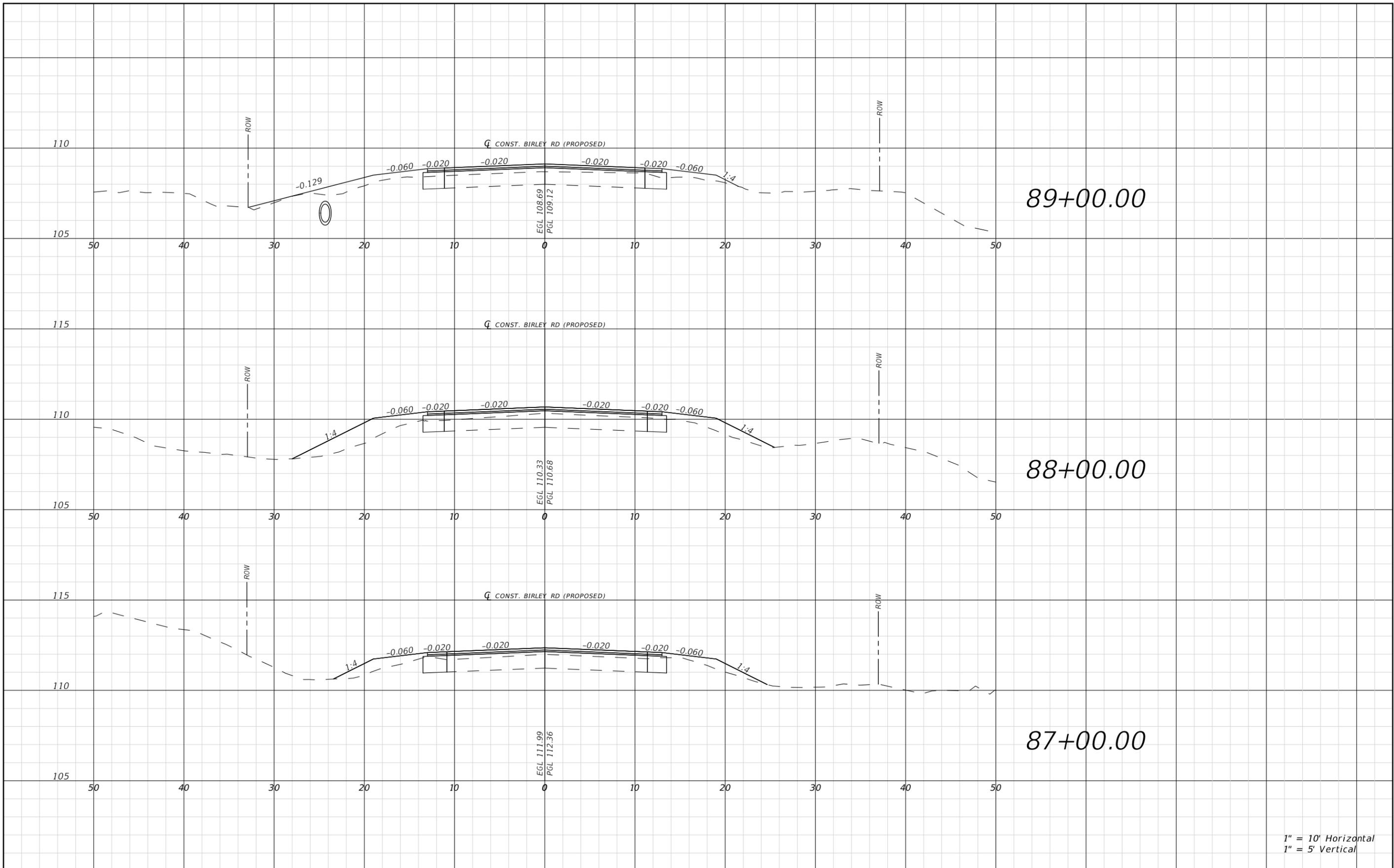
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1" = 5' Vertical

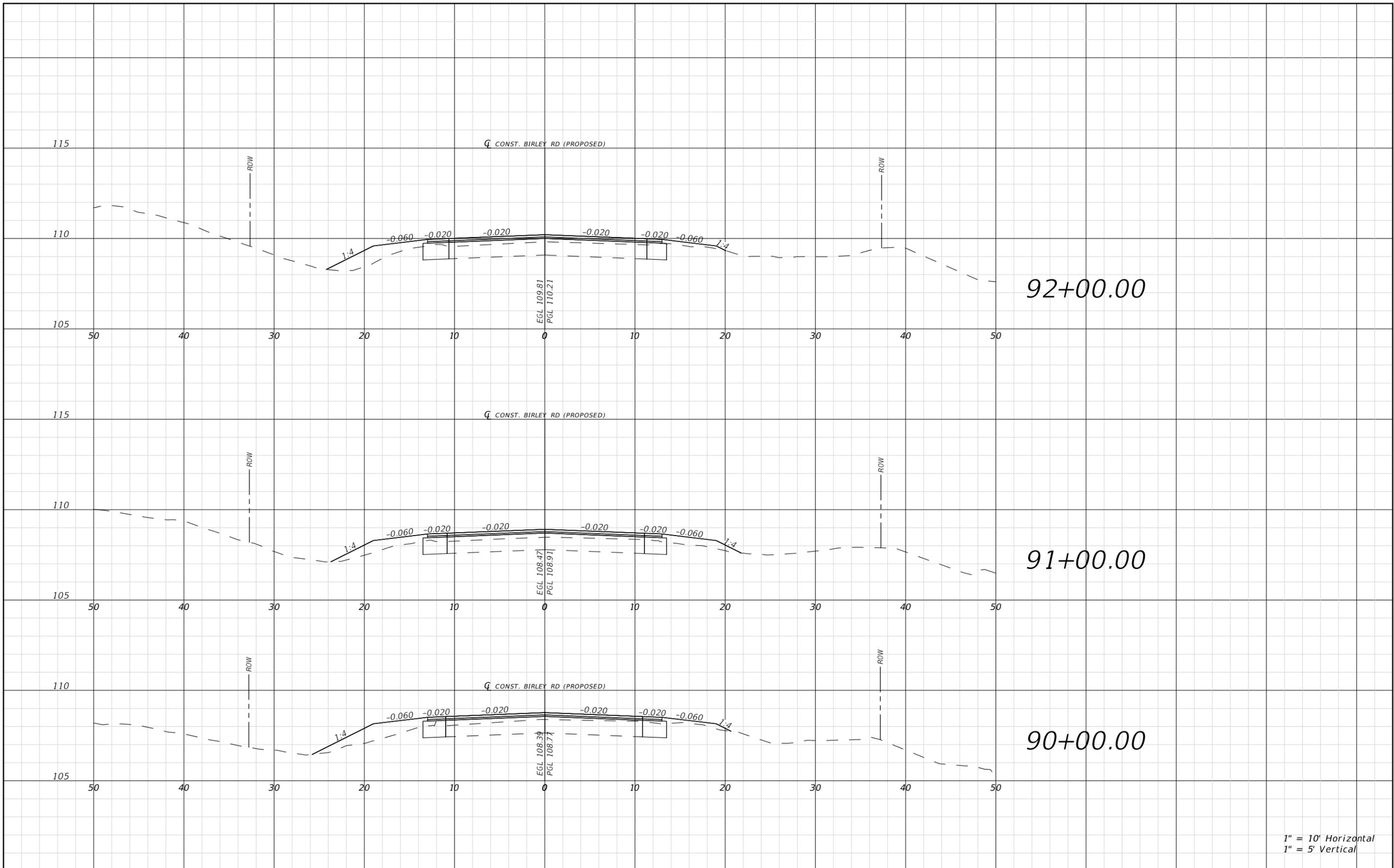
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 49
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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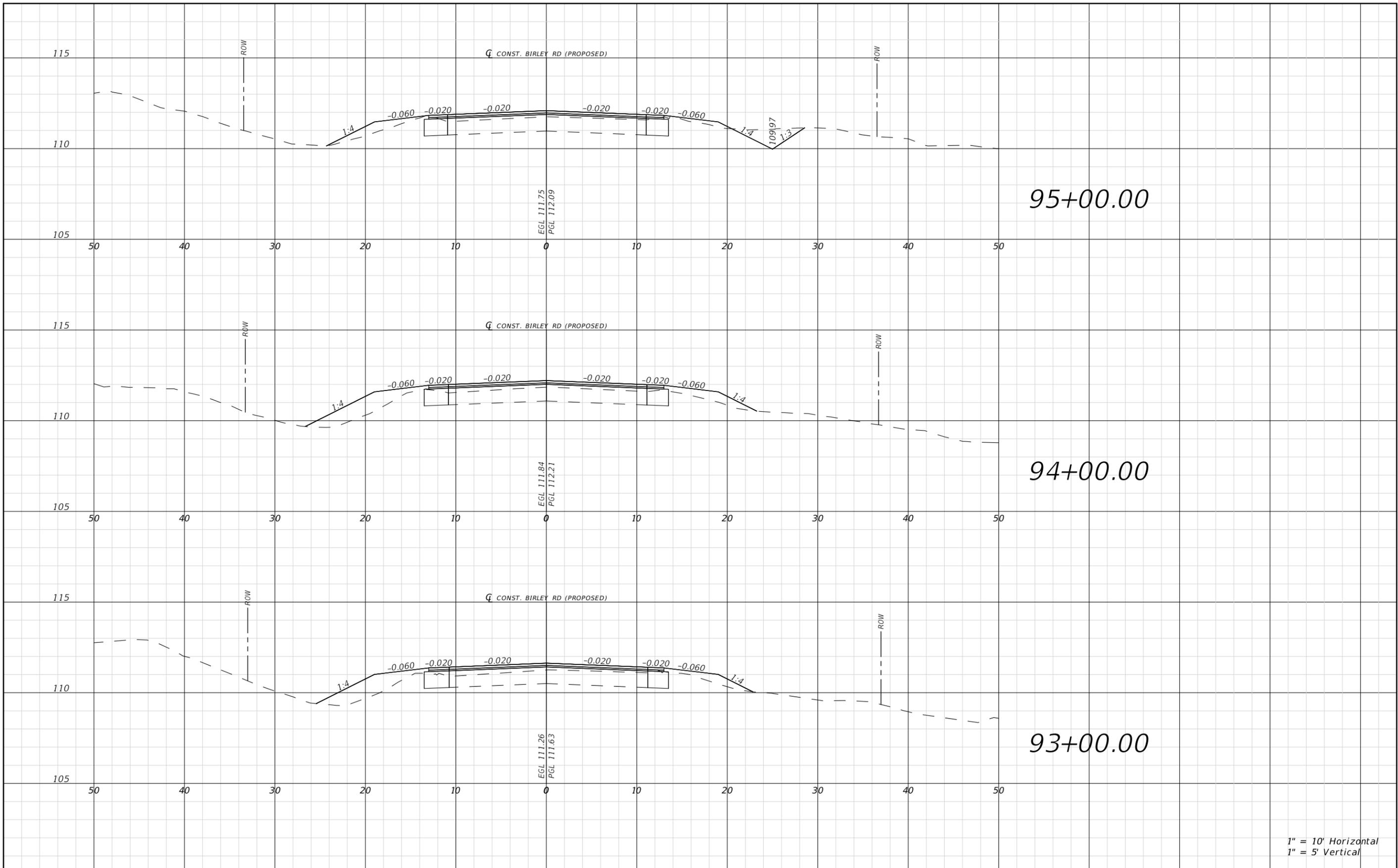
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 50
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		



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

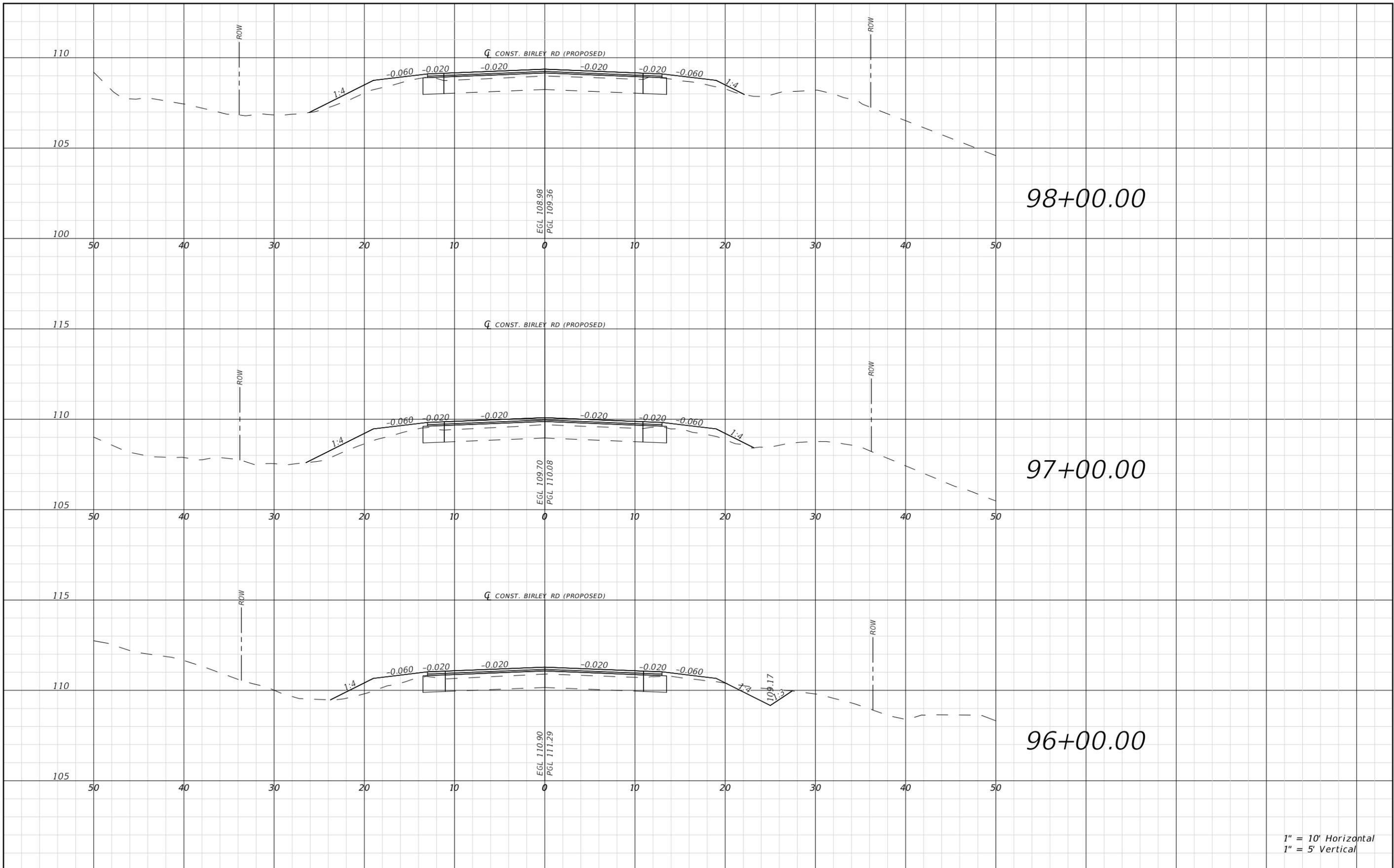
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 51
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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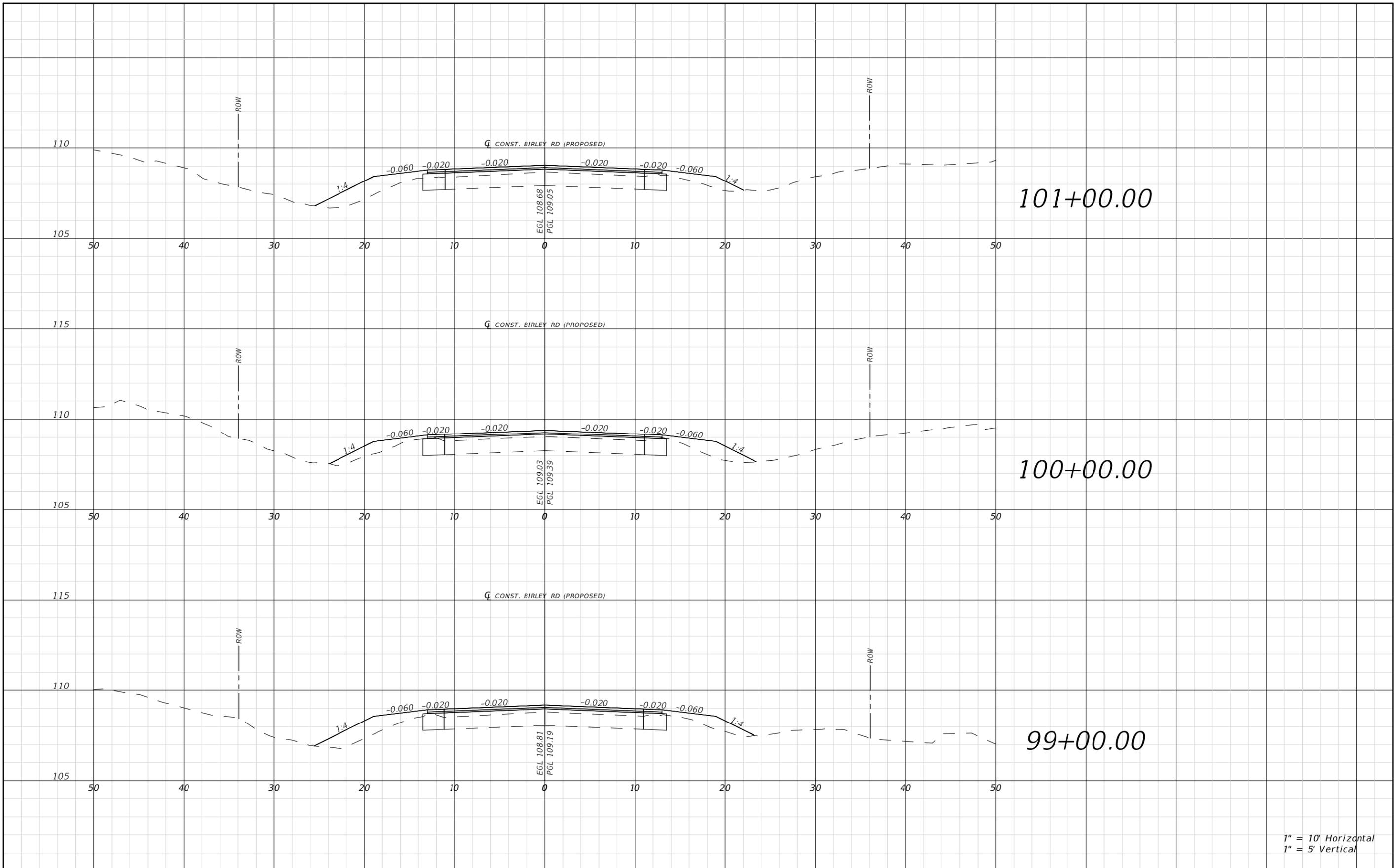
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 52
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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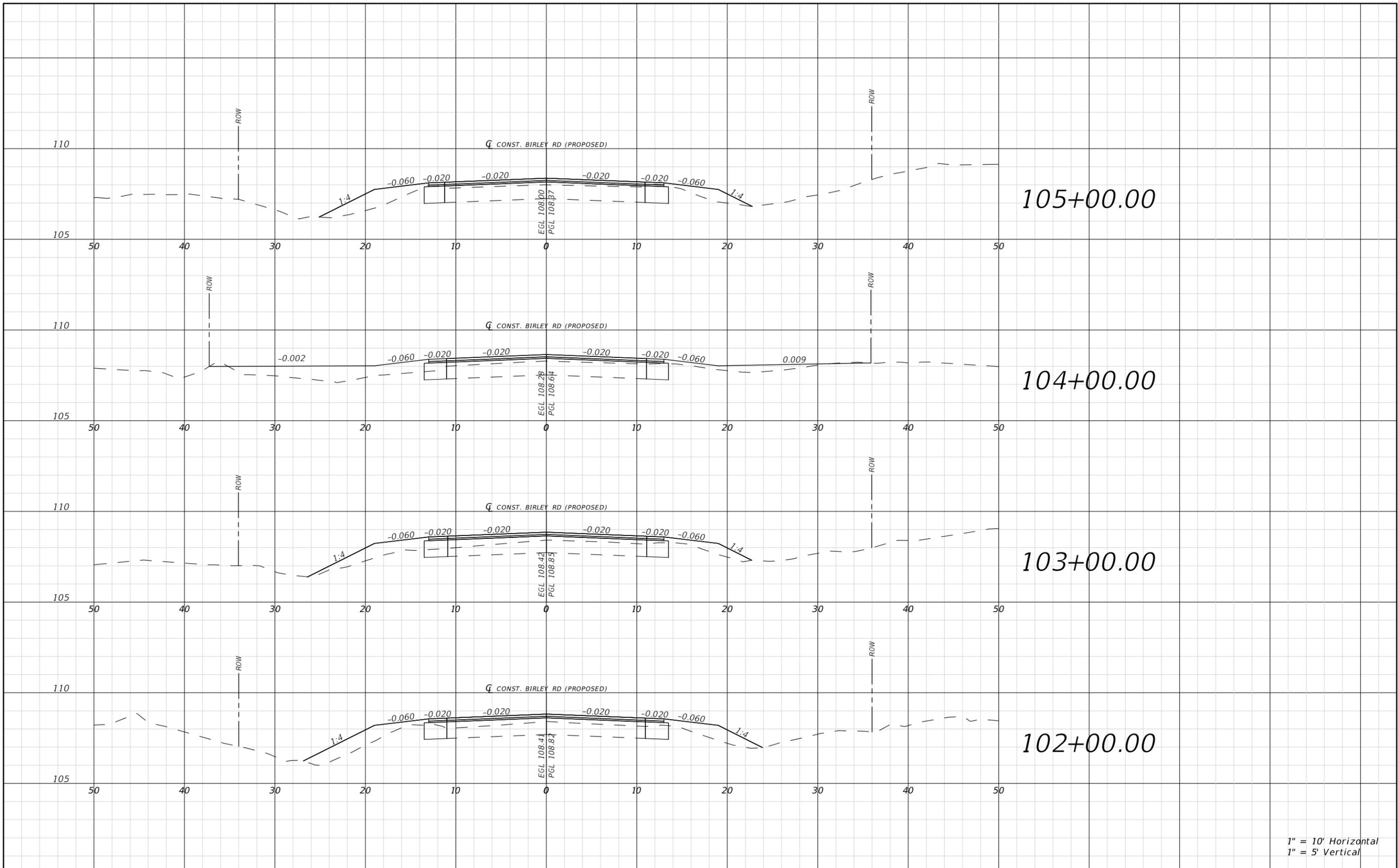
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		



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

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 54
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

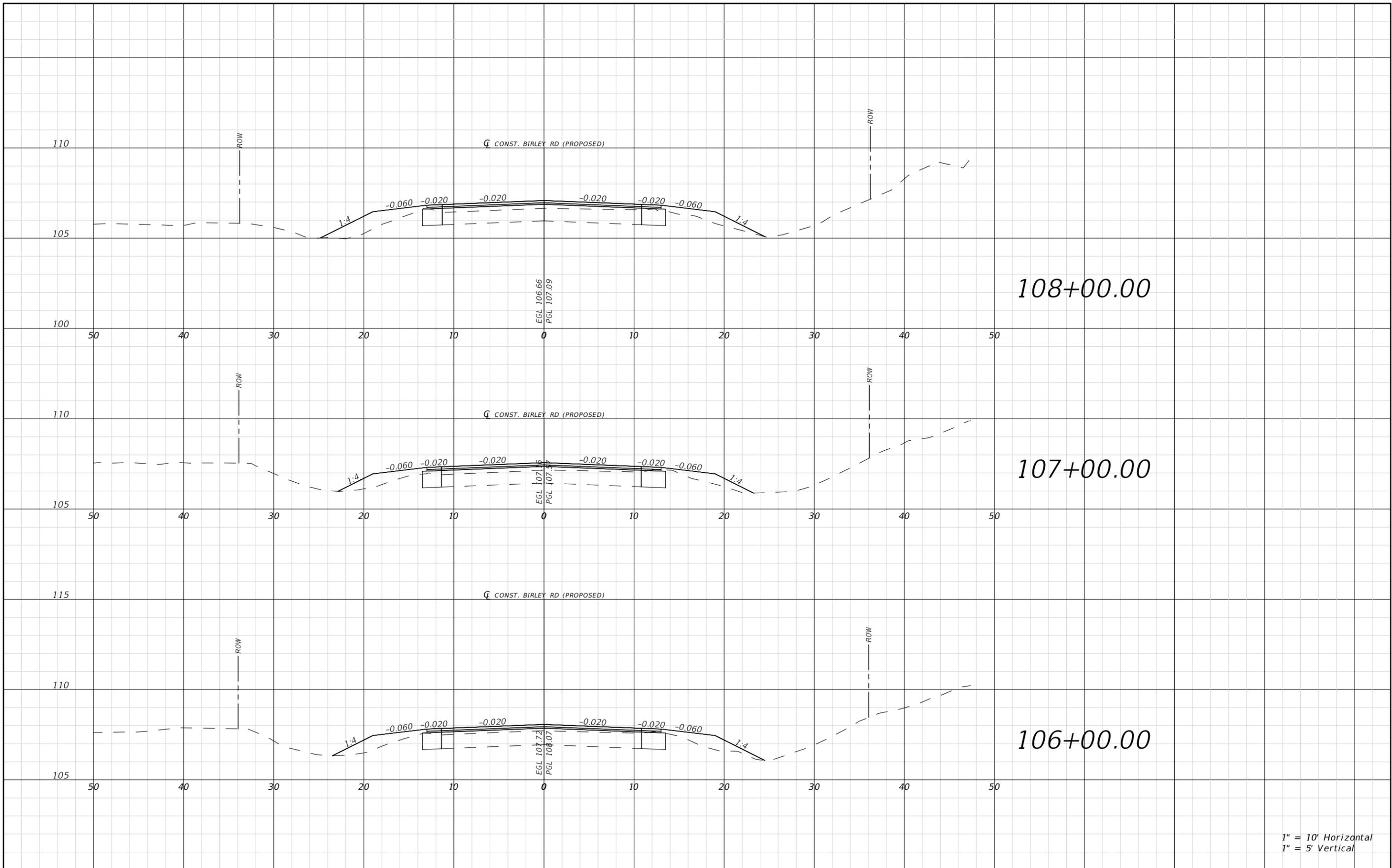
RYAN D. ASMUS
P.E. LICENSE NUMBER 66626
NFPS
P.O. BOX 3823
LAKE CITY, FLORIDA 32056
CERTIFICATE OF AUTHORIZATION 29011

COLUMBIA COUNTY BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
BIRLEY AVE.	COLUMBIA	447734-1

ROADWAY CROSS SECTIONS

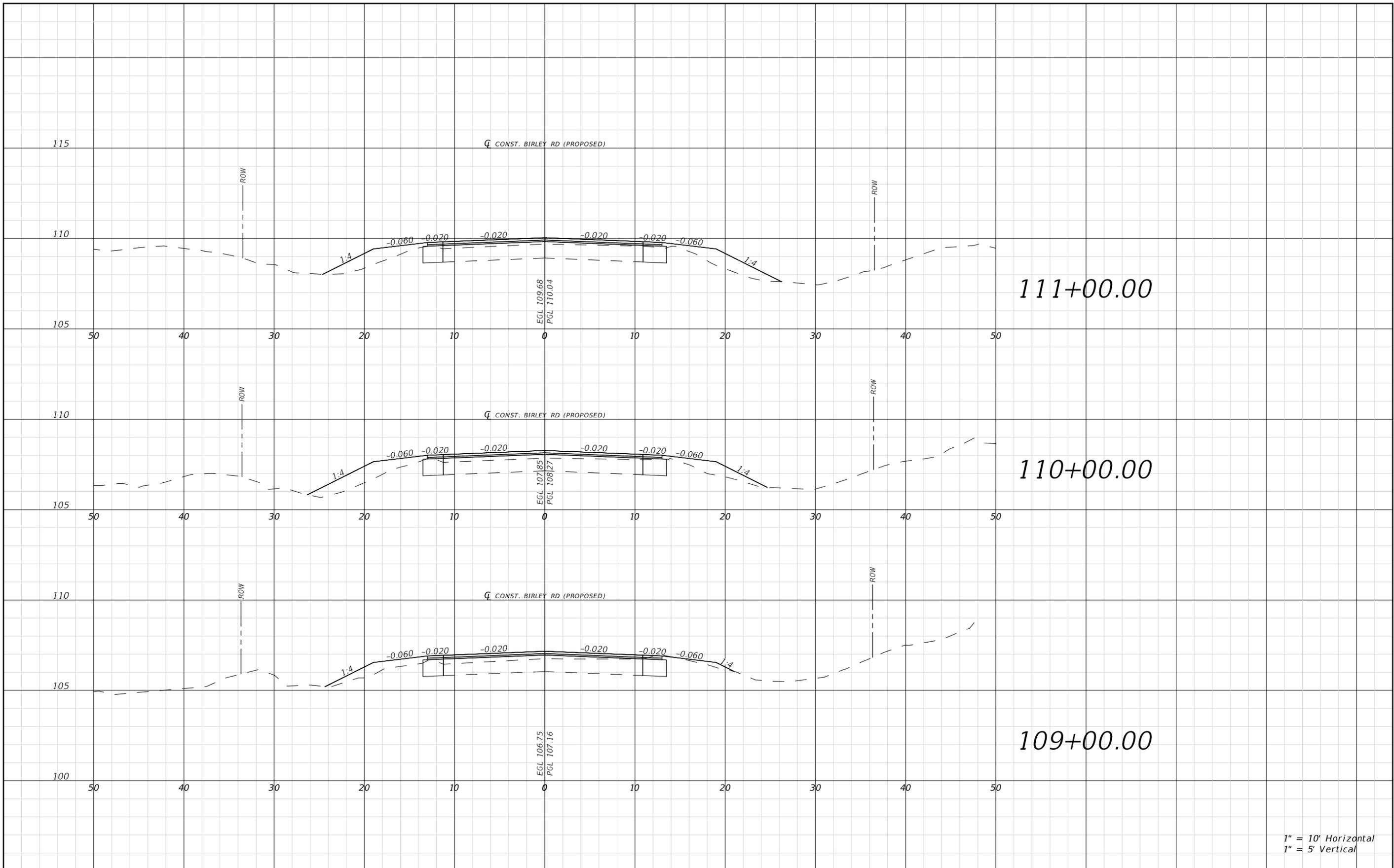
SHEET NO.
55

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1" = 5' Vertical

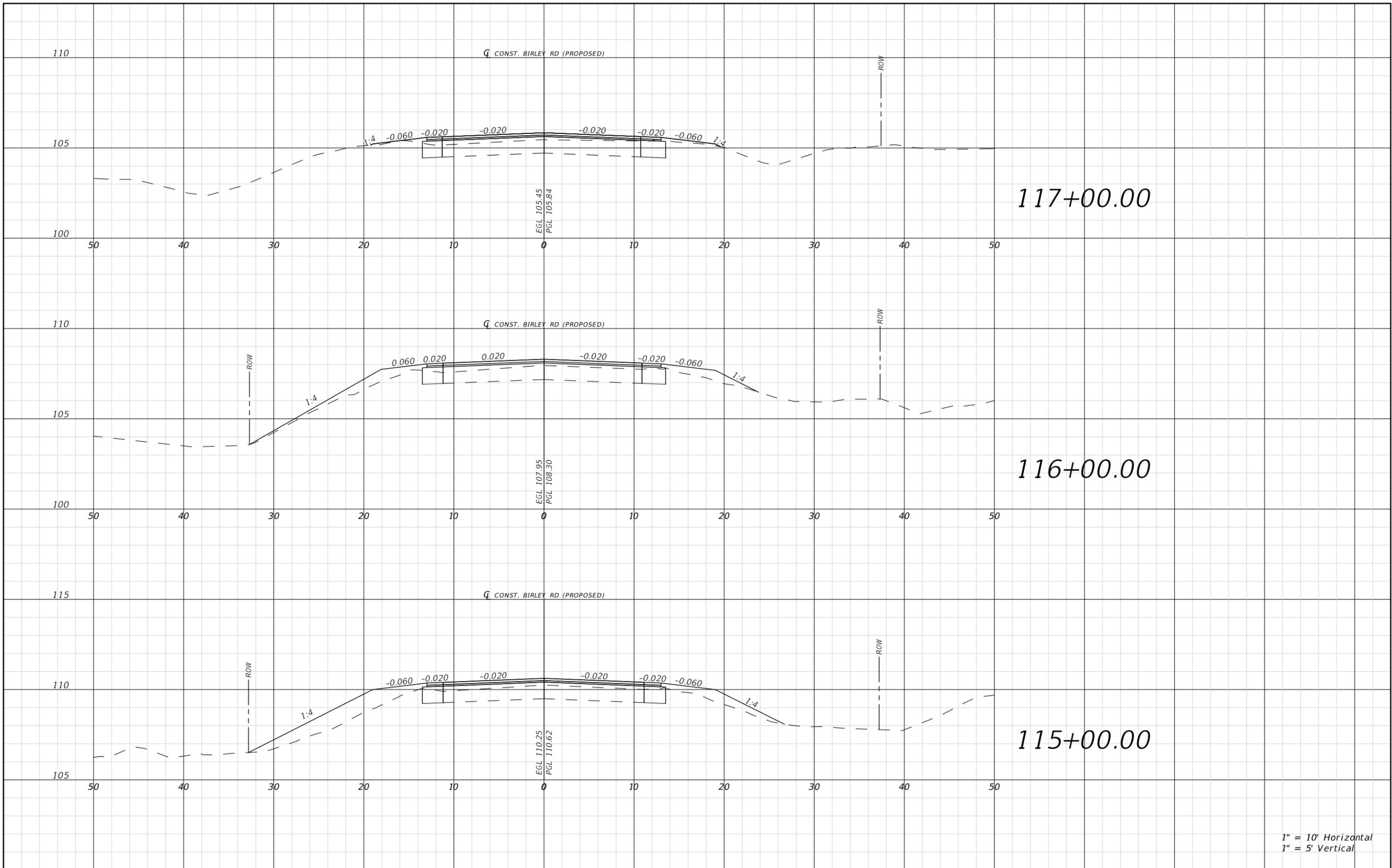
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 56
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		



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

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 57
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

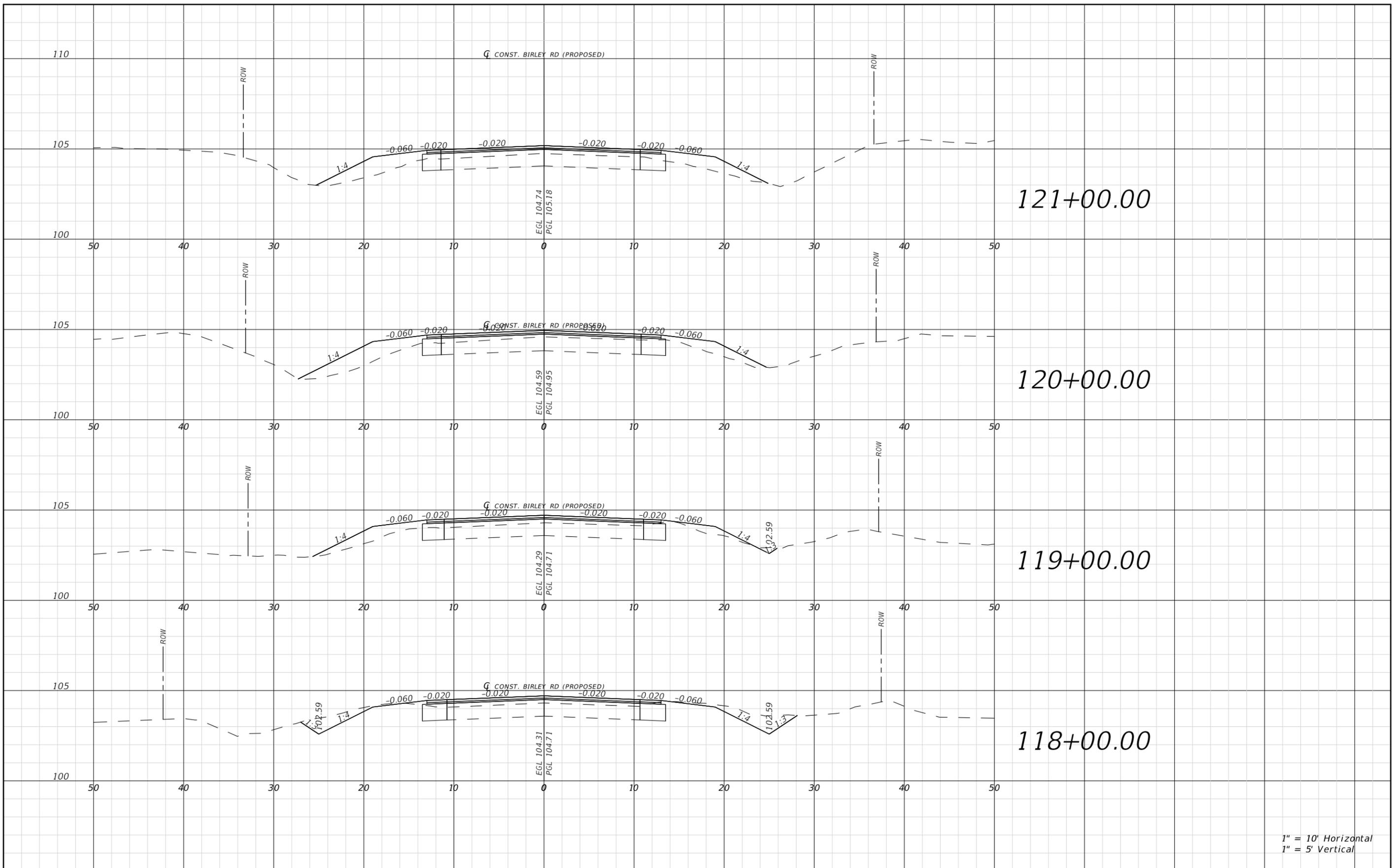
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

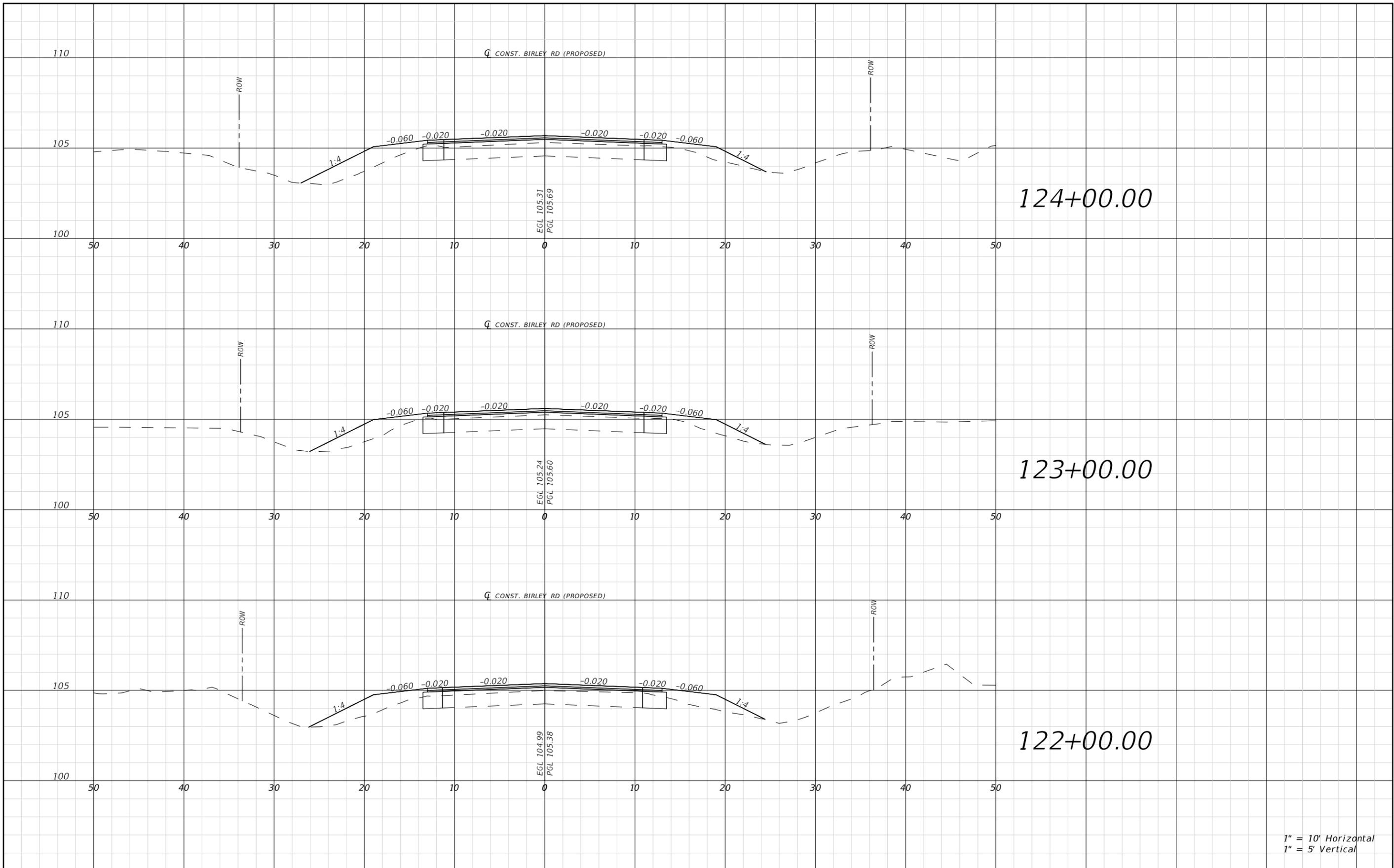
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

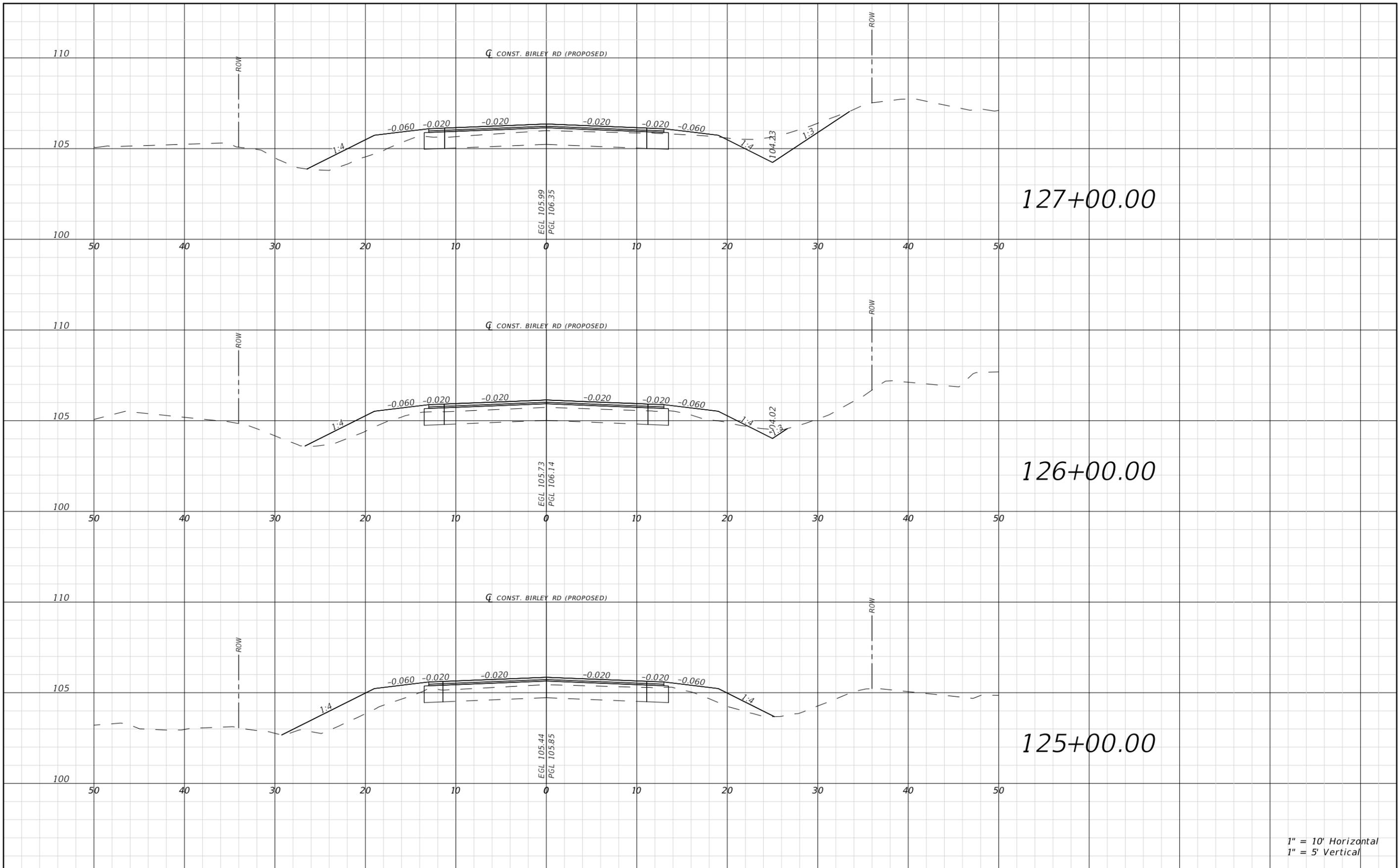
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REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 61
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

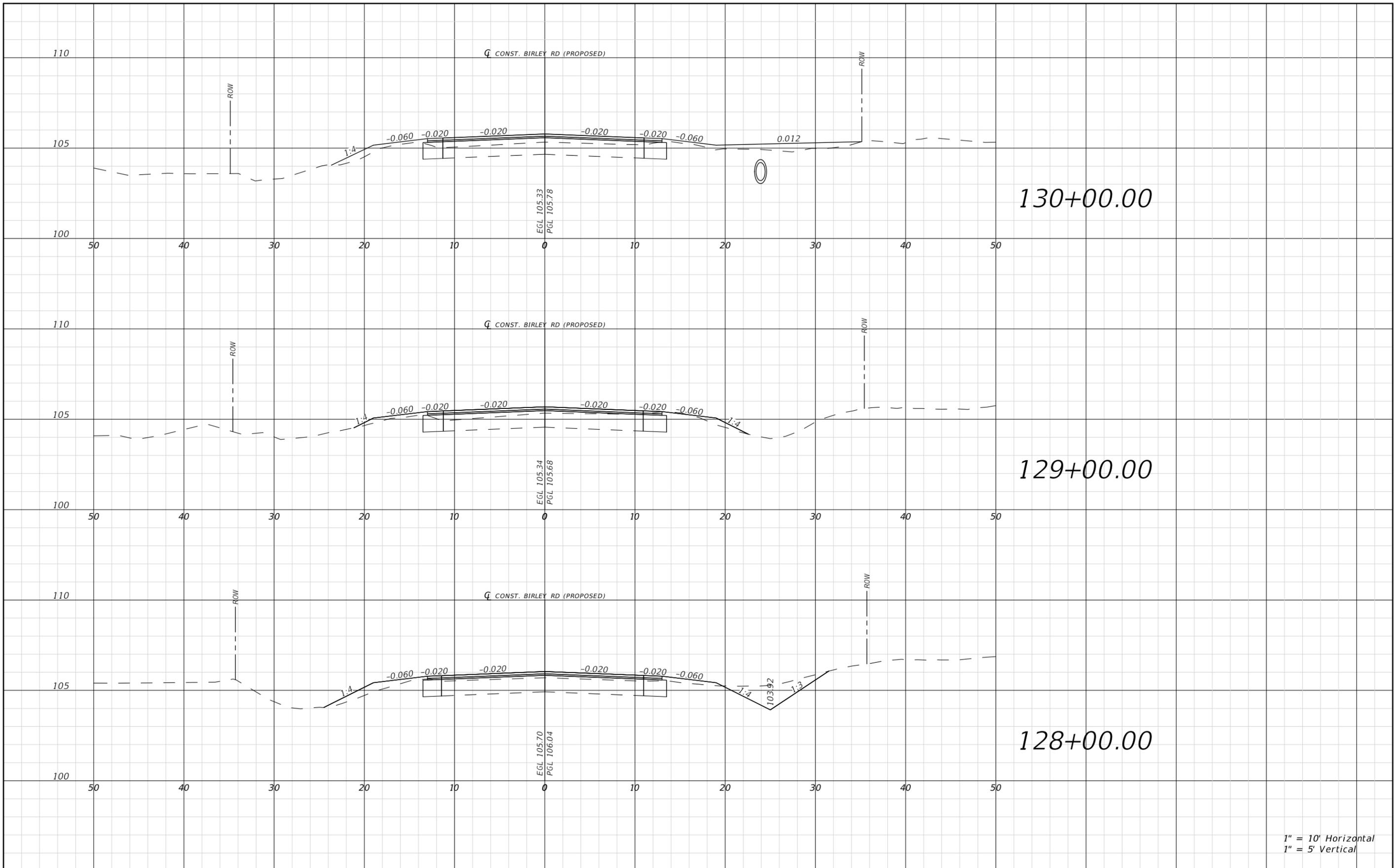
RYAN D. ASMUS
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P.O. BOX 3823
LAKE CITY, FLORIDA 32056
CERTIFICATE OF AUTHORIZATION 29011

COLUMBIA COUNTY BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
BIRLEY AVE.	COLUMBIA	447734-1

ROADWAY CROSS SECTIONS

SHEET NO.
62

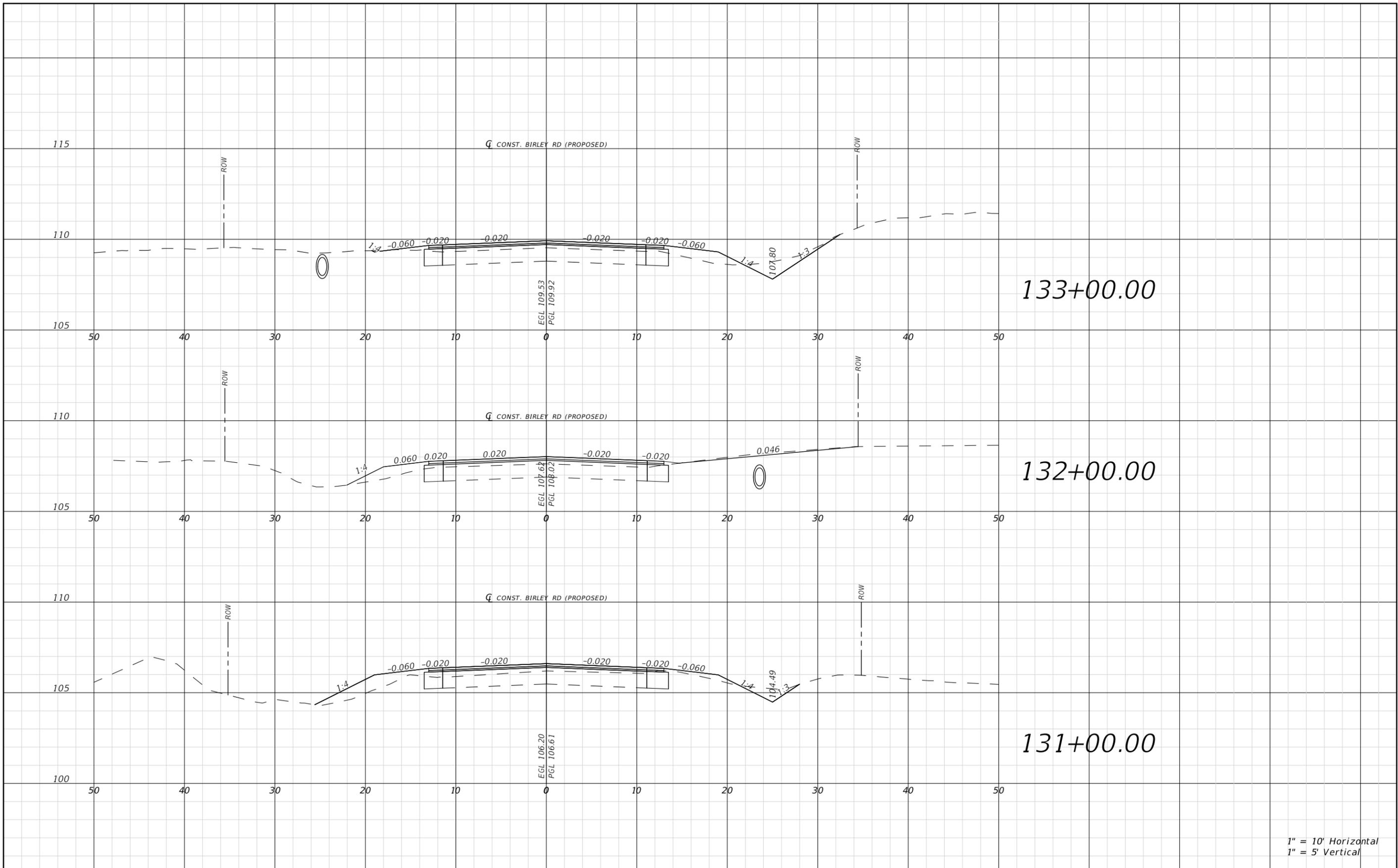
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REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 63
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

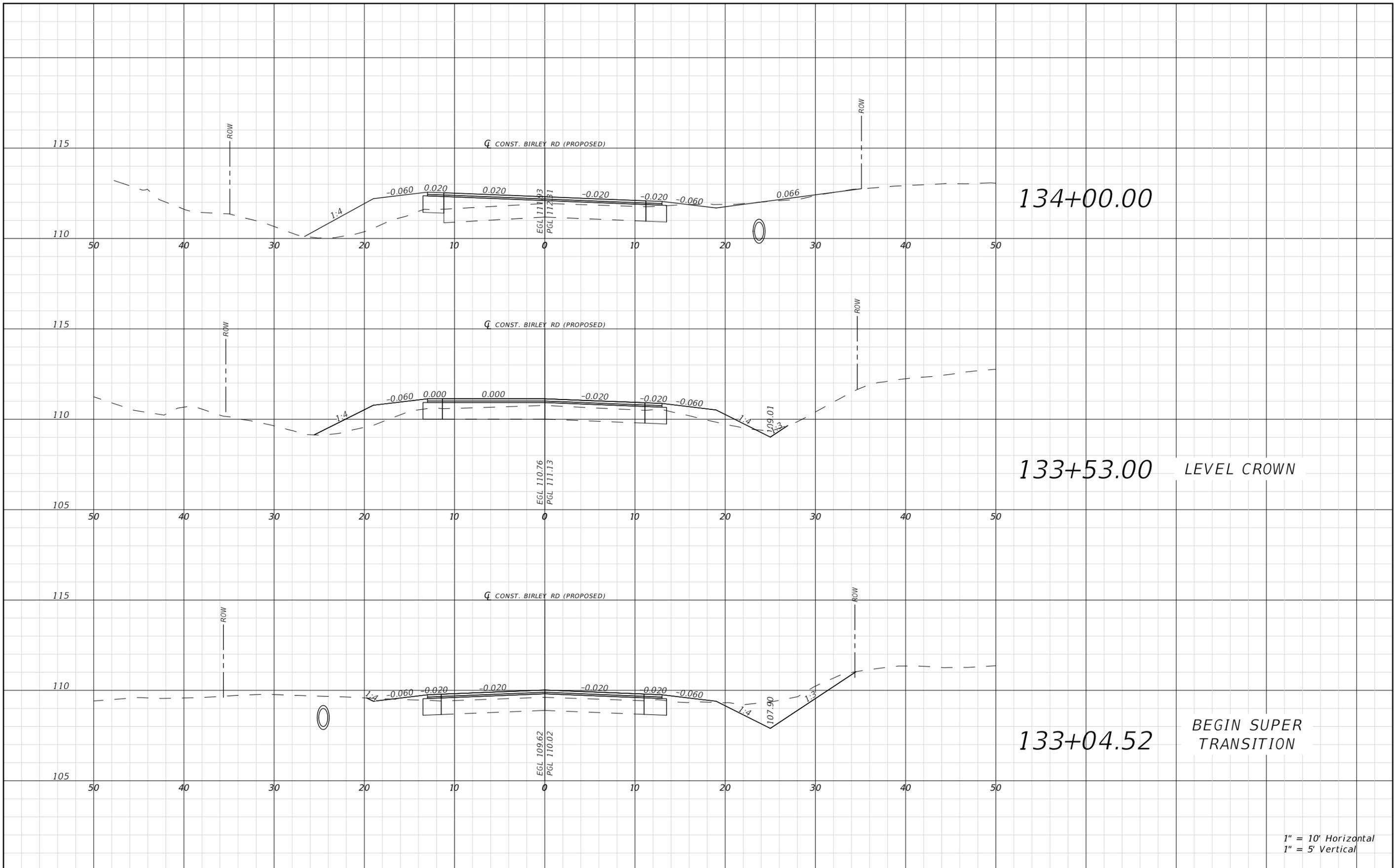
RYAN D. ASMUS
P.E. LICENSE NUMBER 66626
NFPS
P.O. BOX 3823
LAKE CITY, FLORIDA 32056
CERTIFICATE OF AUTHORIZATION 29011

COLUMBIA COUNTY BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
BIRLEY AVE.	COLUMBIA	447734-1

ROADWAY CROSS SECTIONS

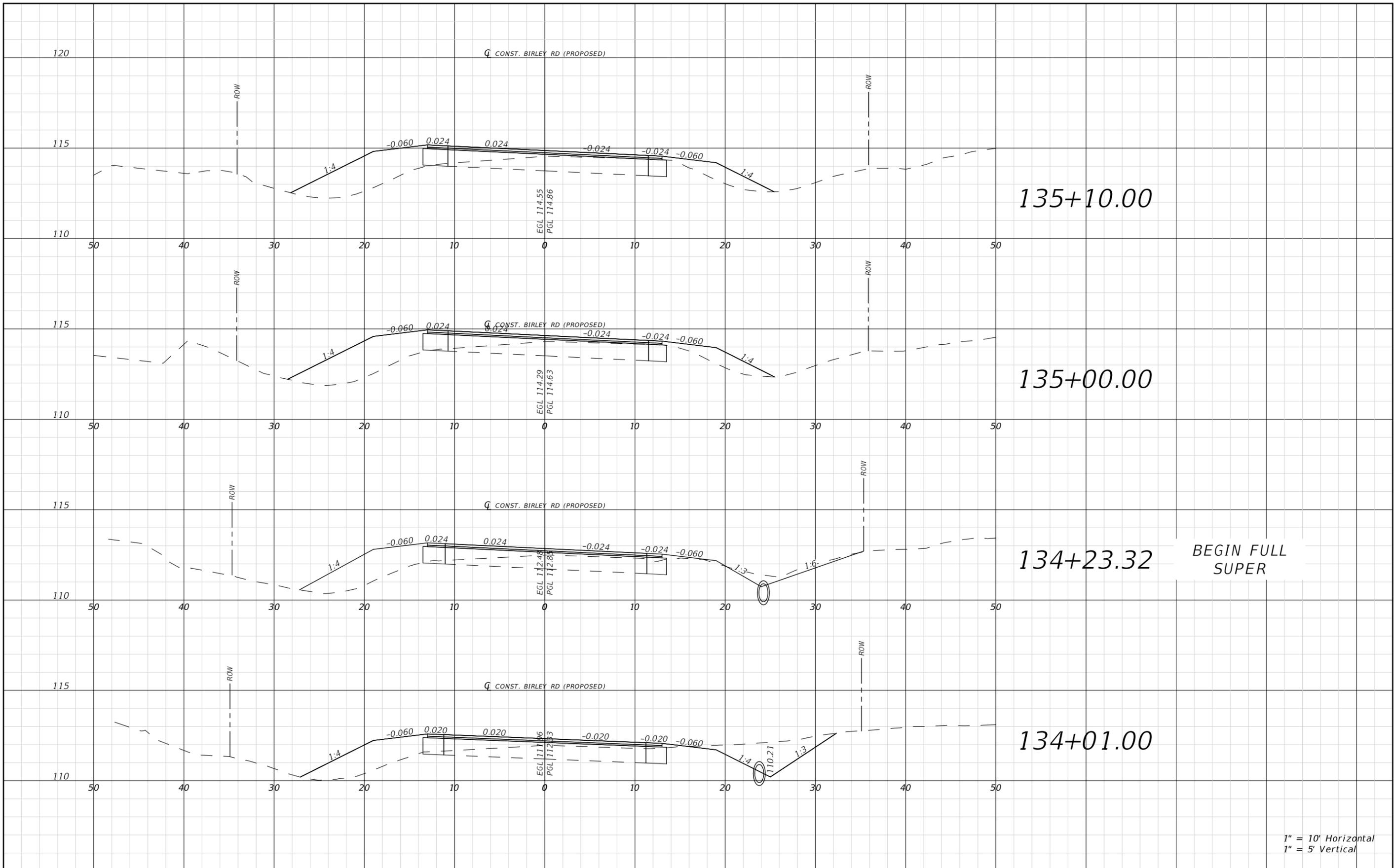
SHEET NO.
64

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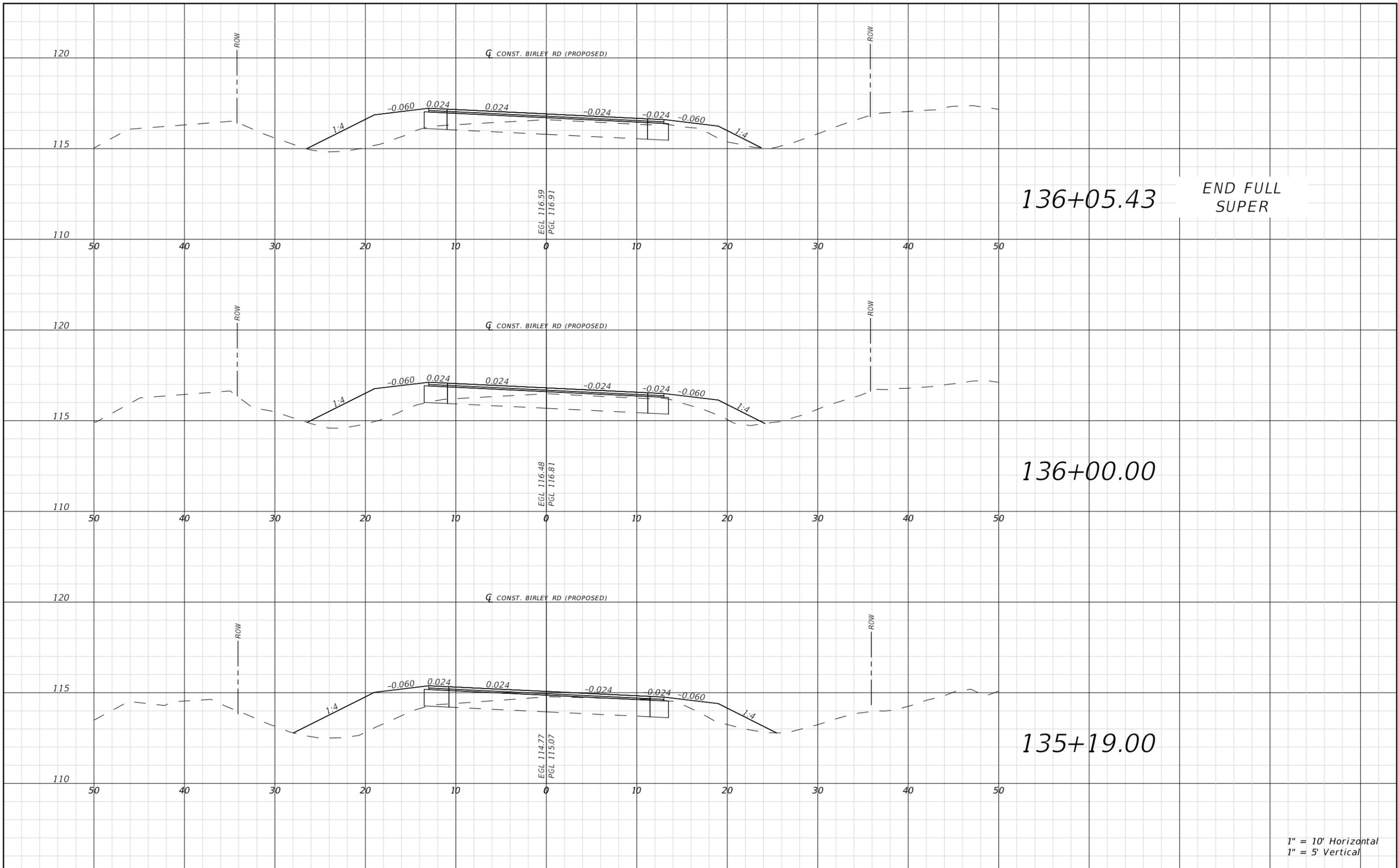
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 65
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		



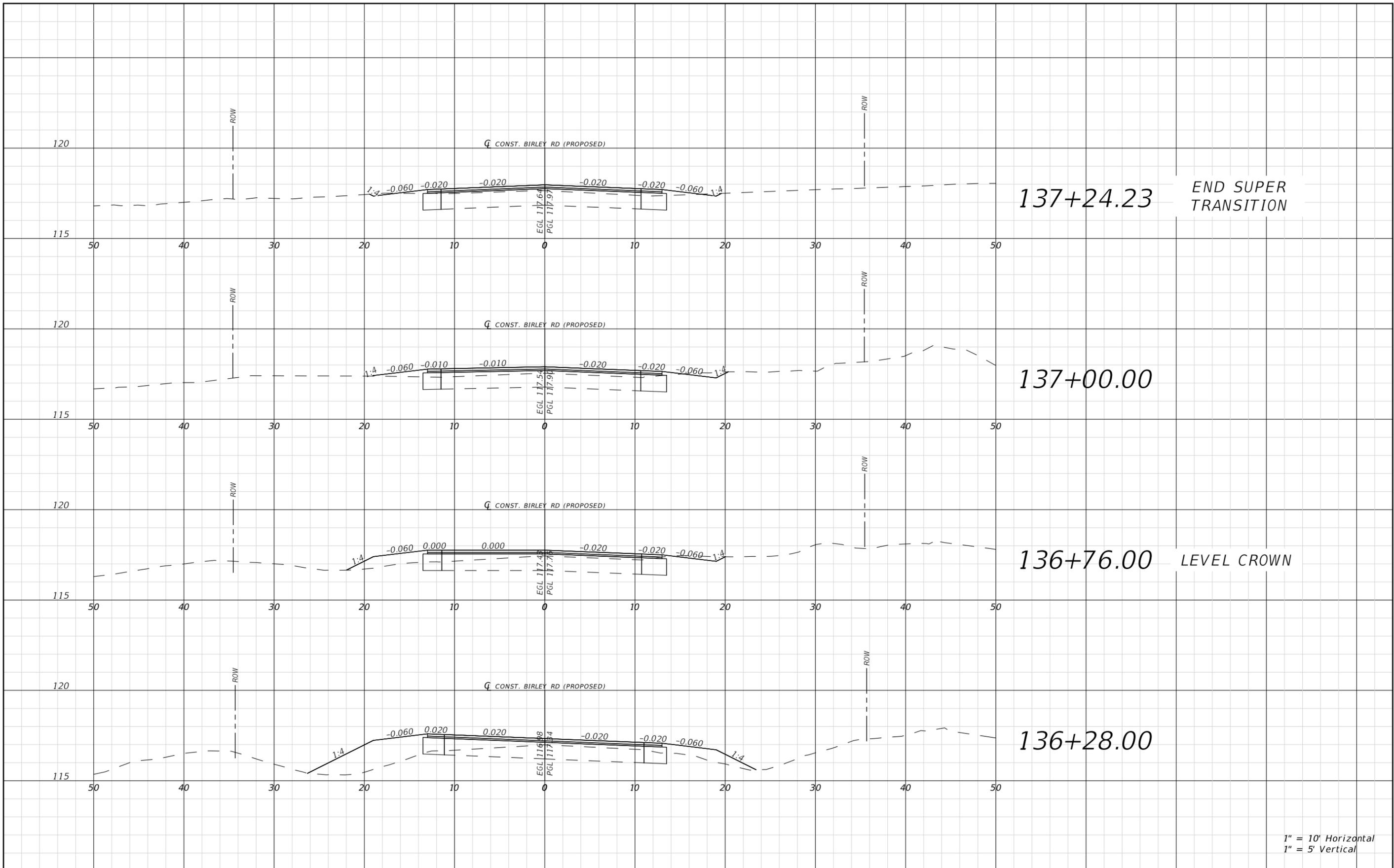
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REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 66
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		



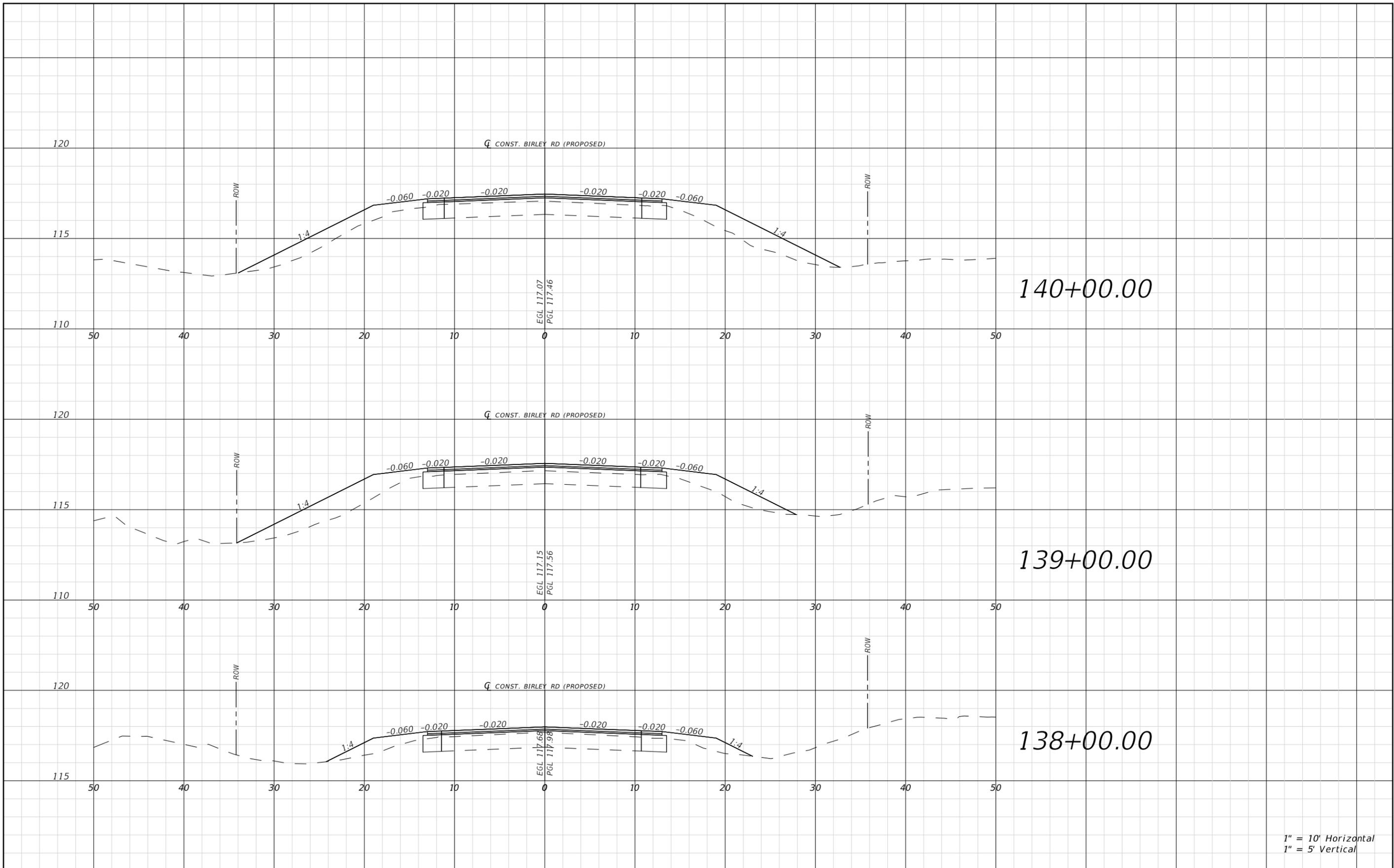
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REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 67
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		



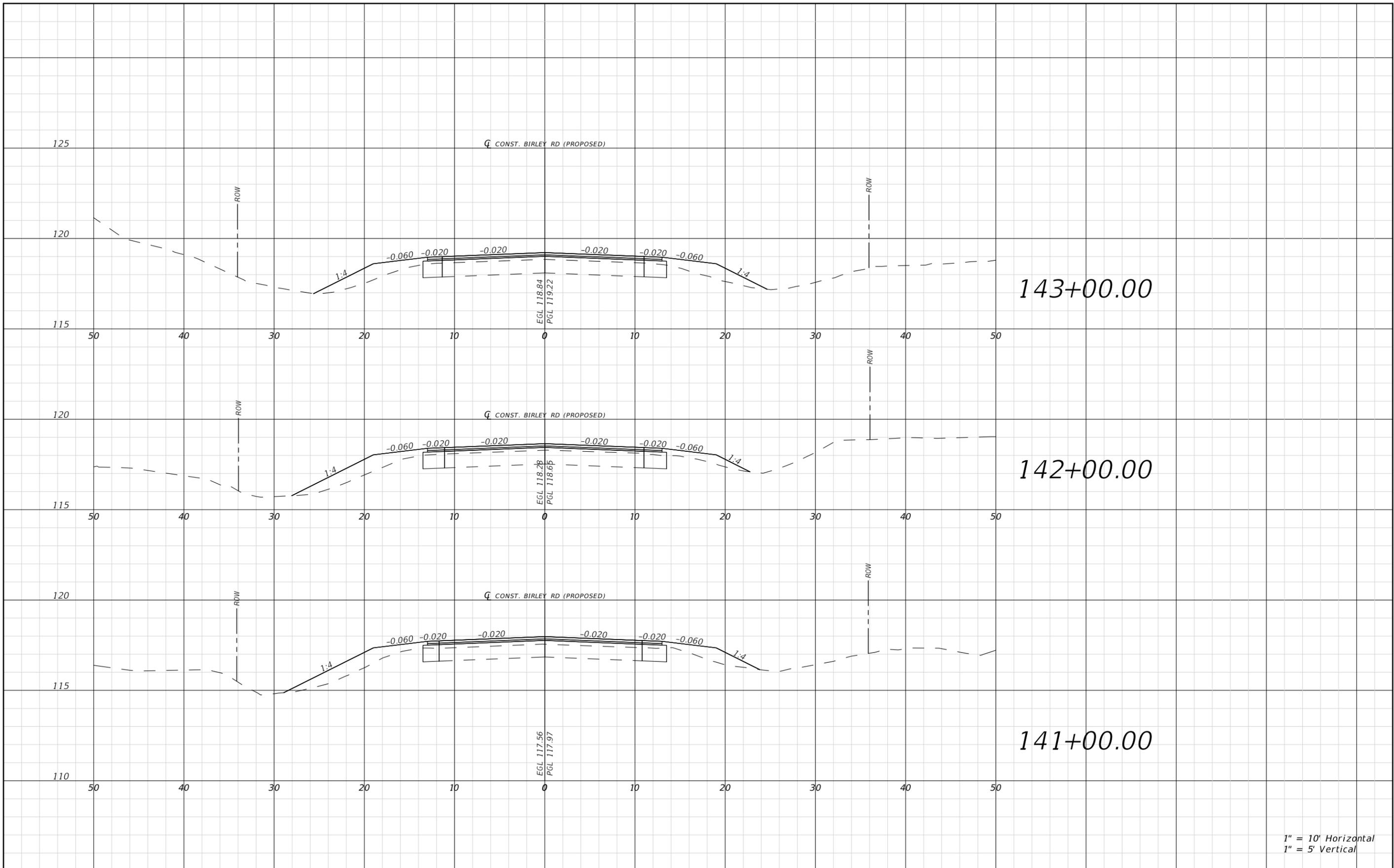
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		68
					BIRLEY AVE.	COLUMBIA	447734-1		



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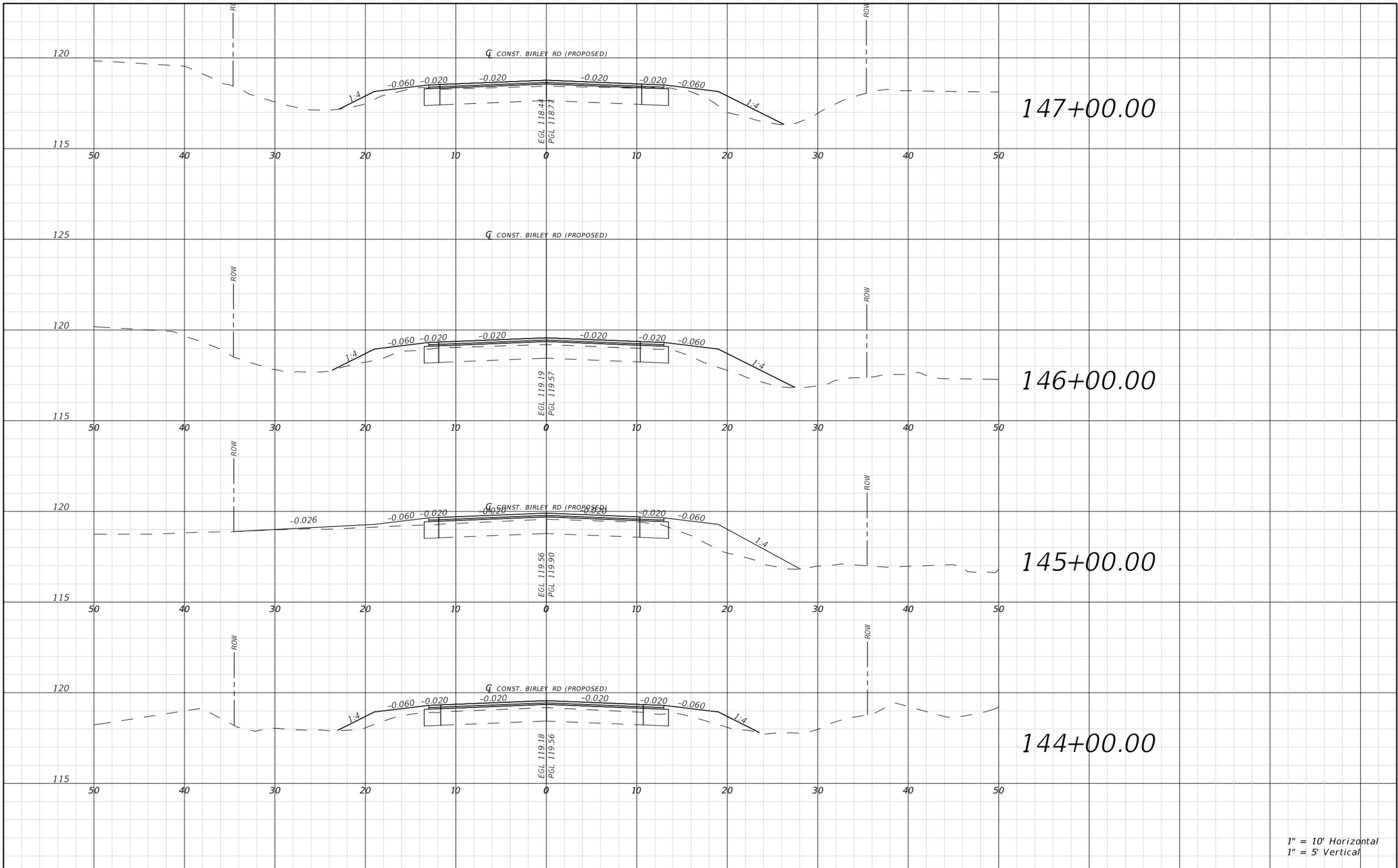
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 69
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		



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

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 70
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

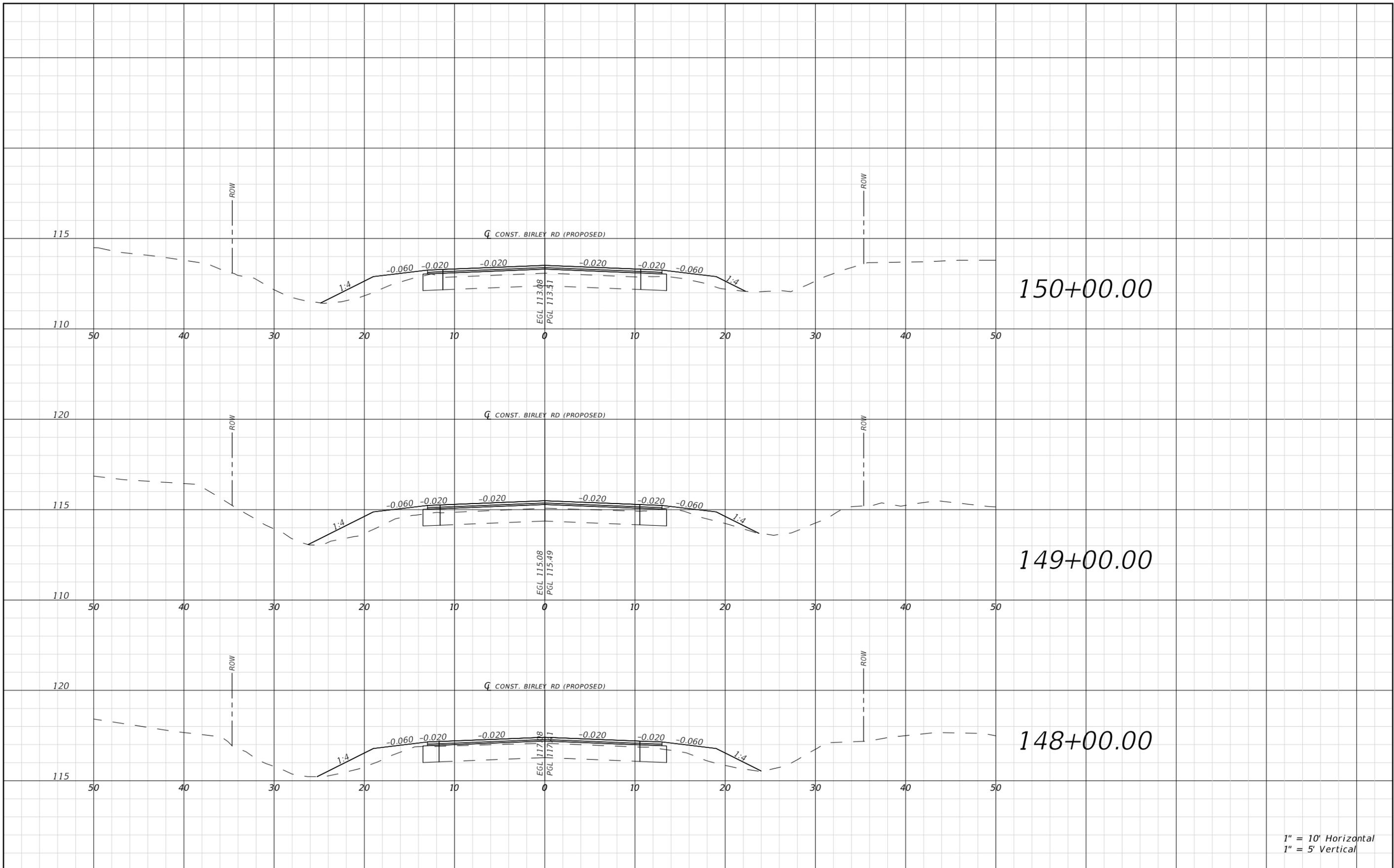
RYAN D. ASMUS
P.E. LICENSE NUMBER 66626
NFPS
P.O. BOX 3823
LAKE CITY, FLORIDA 32056
CERTIFICATE OF AUTHORIZATION 29011

COLUMBIA COUNTY BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
BIRLEY AVE.	COLUMBIA	447734-1

ROADWAY CROSS SECTIONS

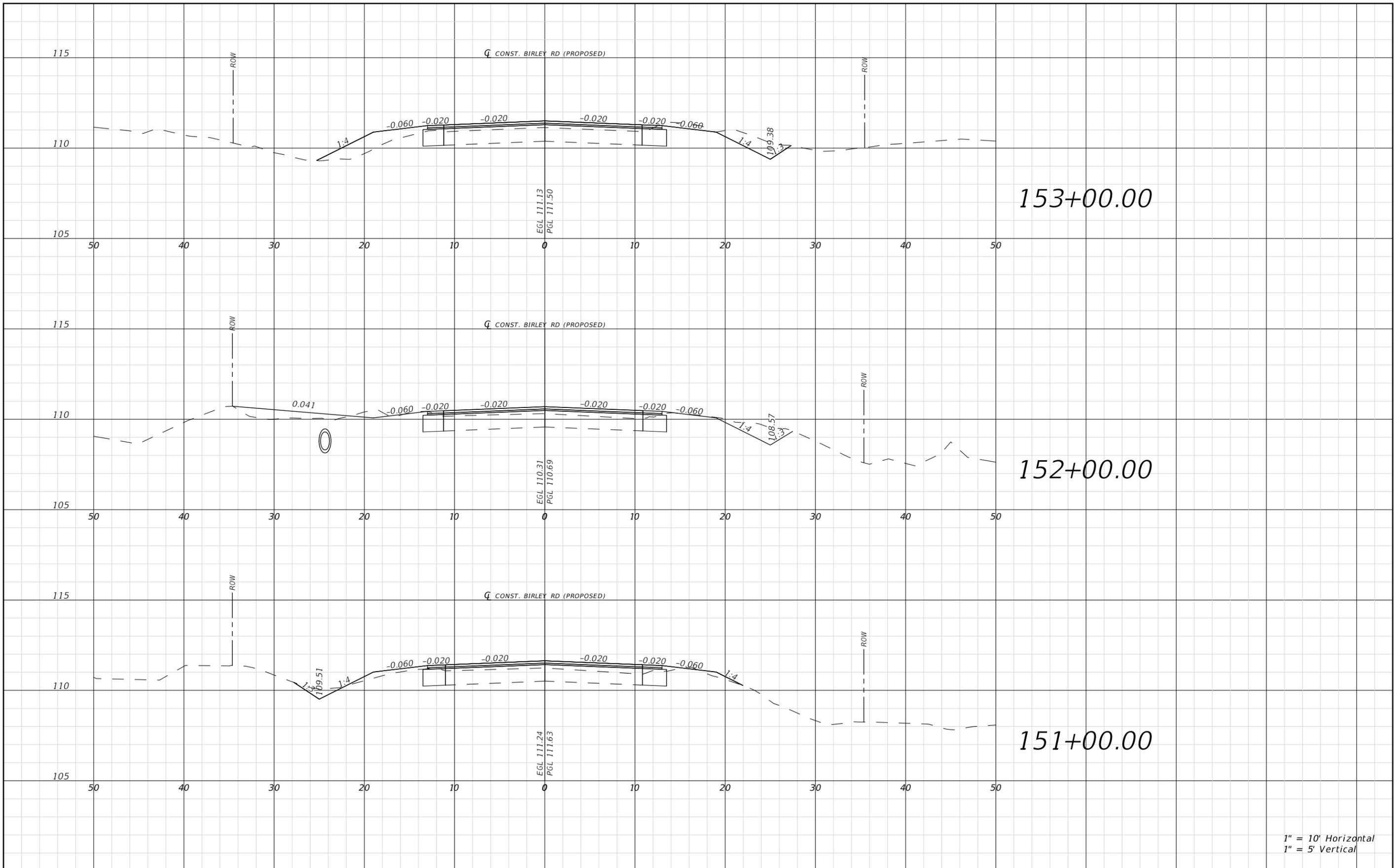
SHEET NO.
71

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



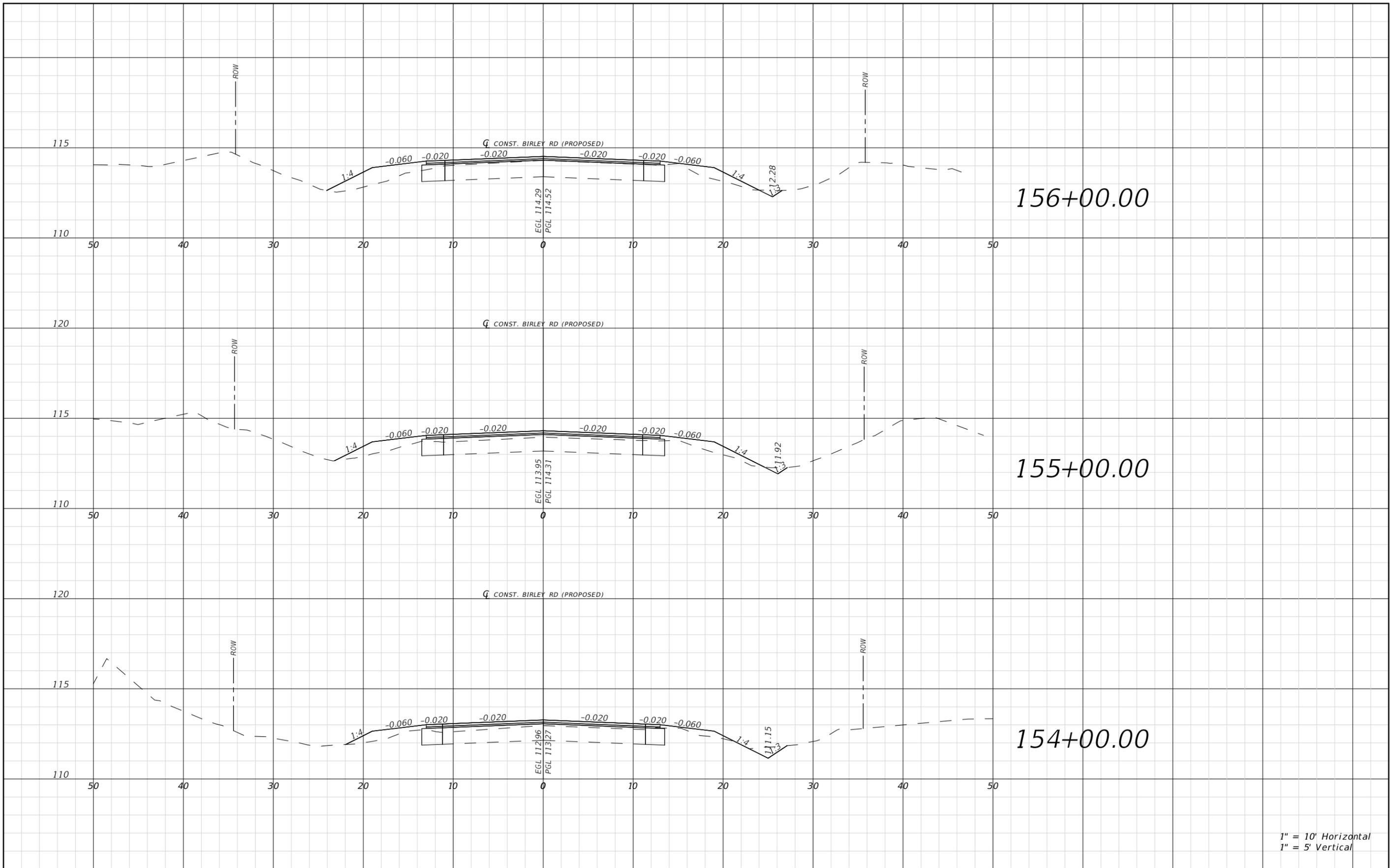
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 72
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		



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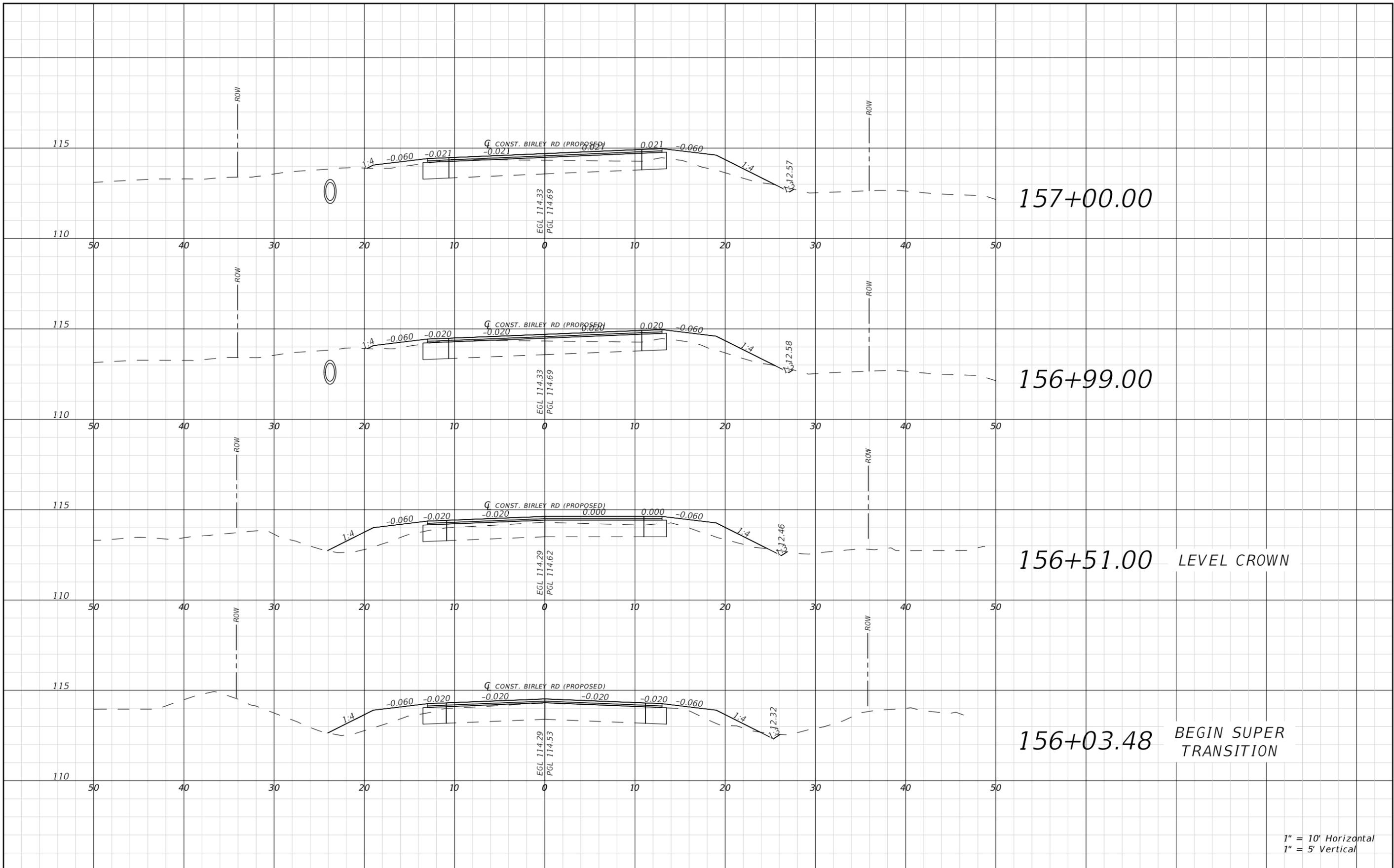
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 73
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		



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

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 74
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

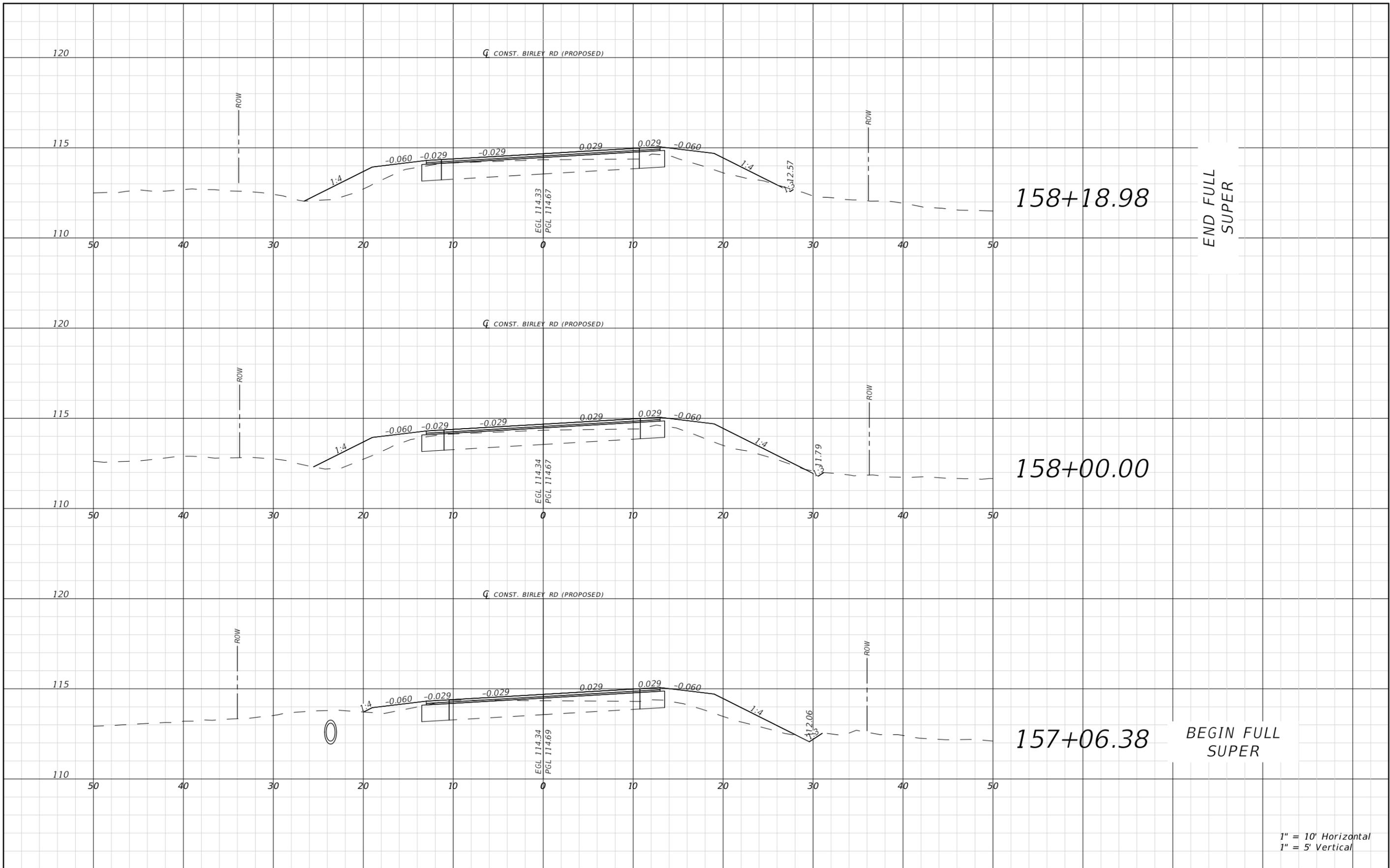
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REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 75
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

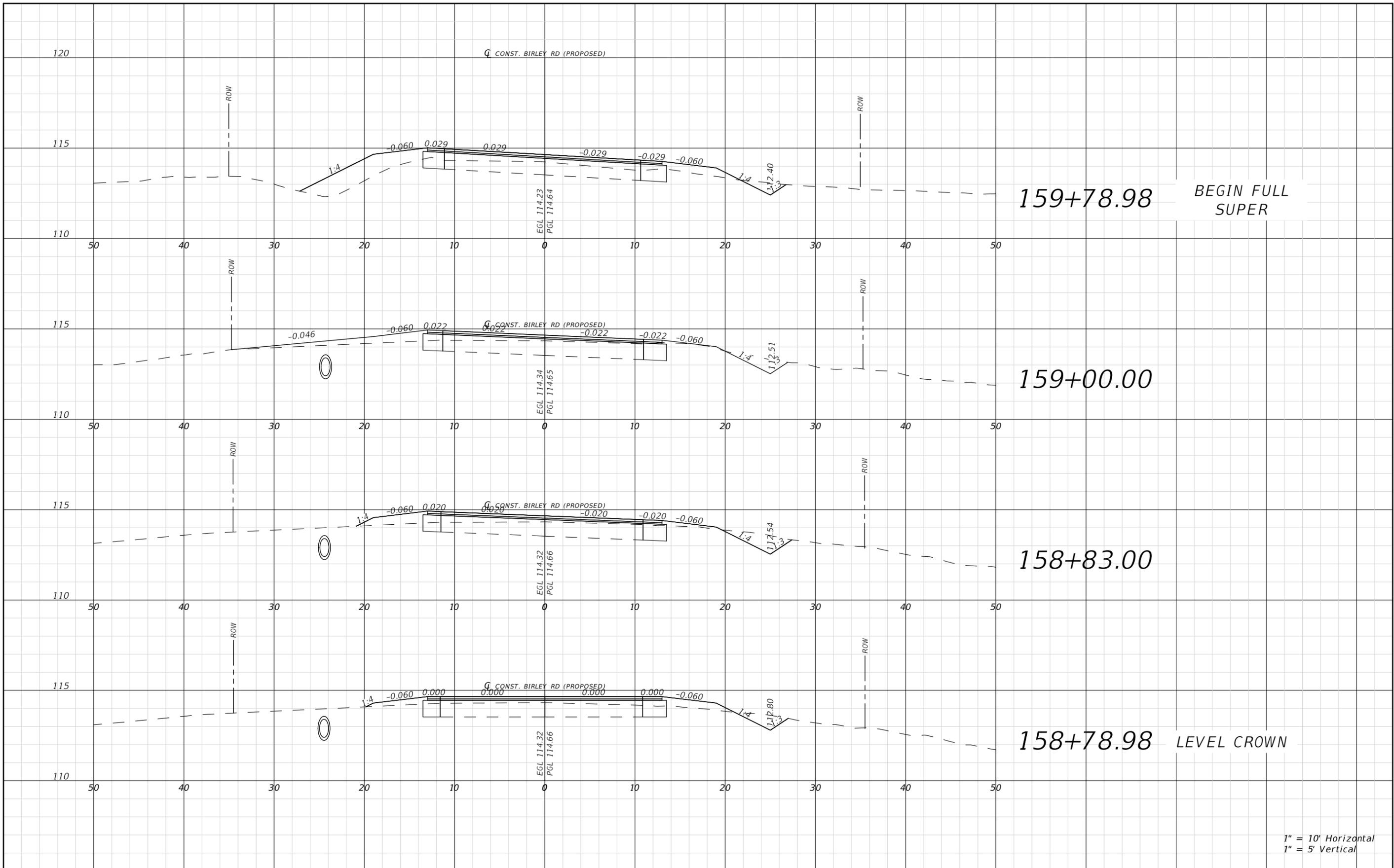
RYAN D. ASMUS
P.E. LICENSE NUMBER 66626
NFPS
P.O. BOX 3823
LAKE CITY, FLORIDA 32056
CERTIFICATE OF AUTHORIZATION 29011

COLUMBIA COUNTY BOCC		
ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1

ROADWAY CROSS SECTIONS

SHEET NO.
76

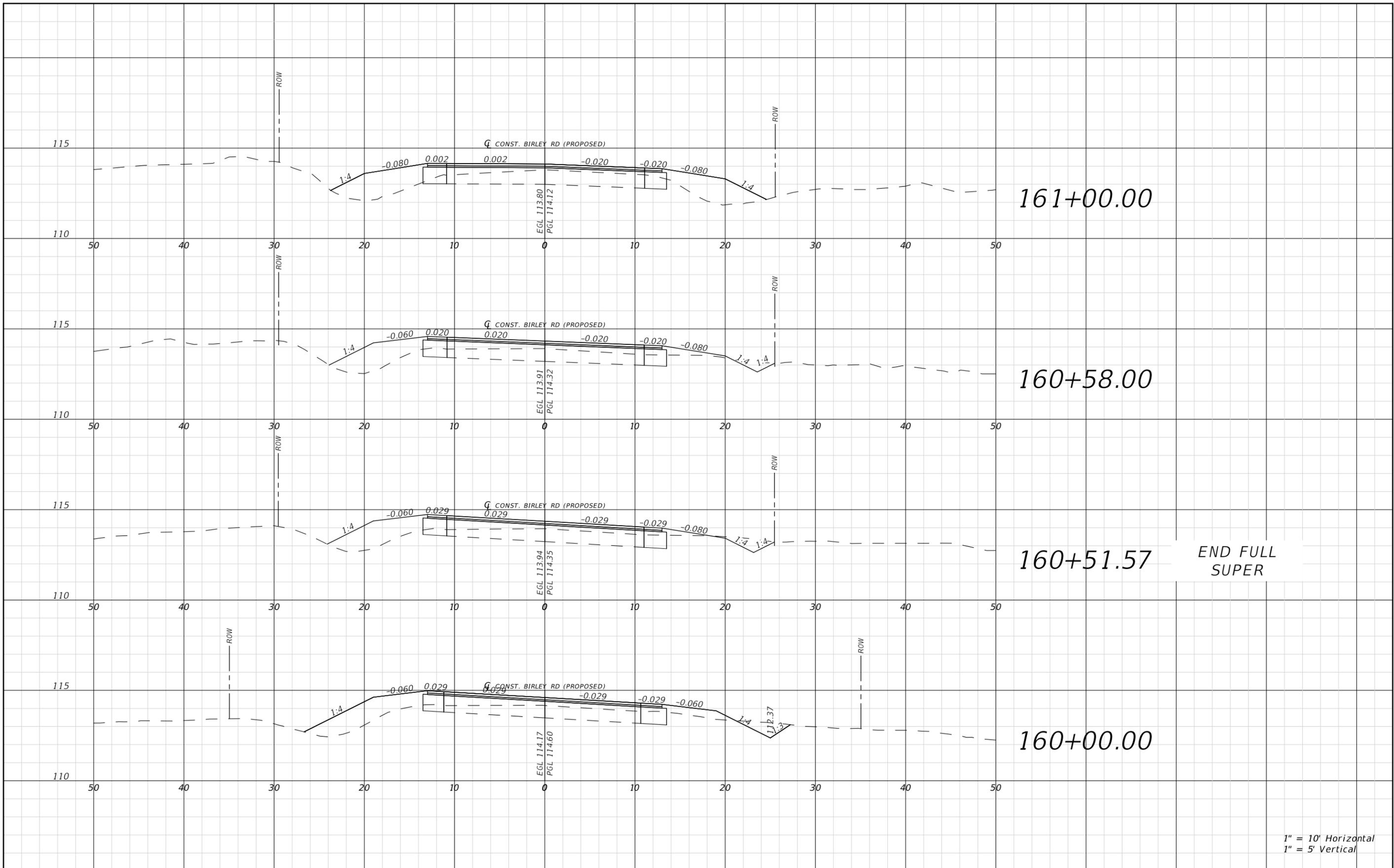
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1" = 5' Vertical

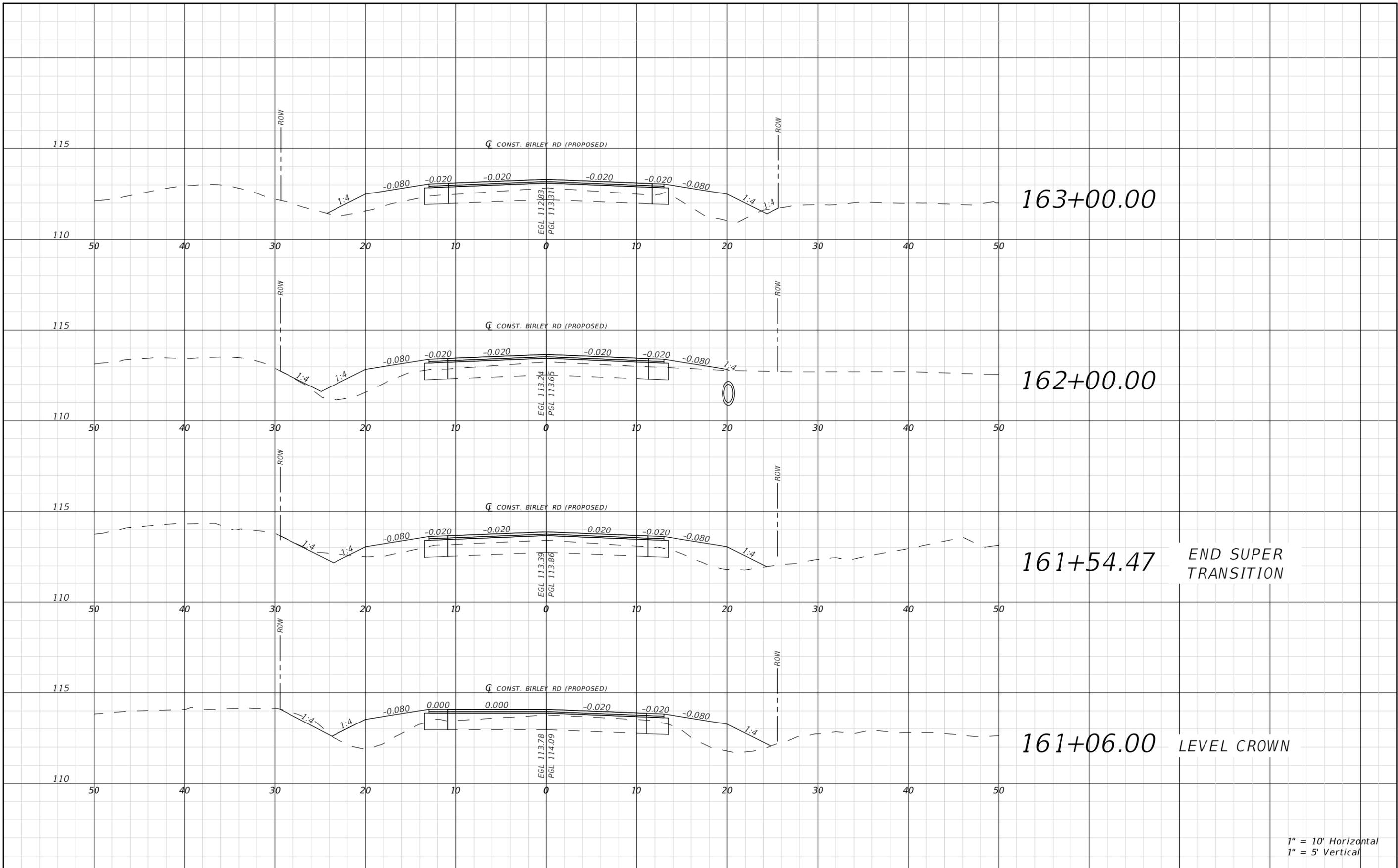
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 77
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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



REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 78
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

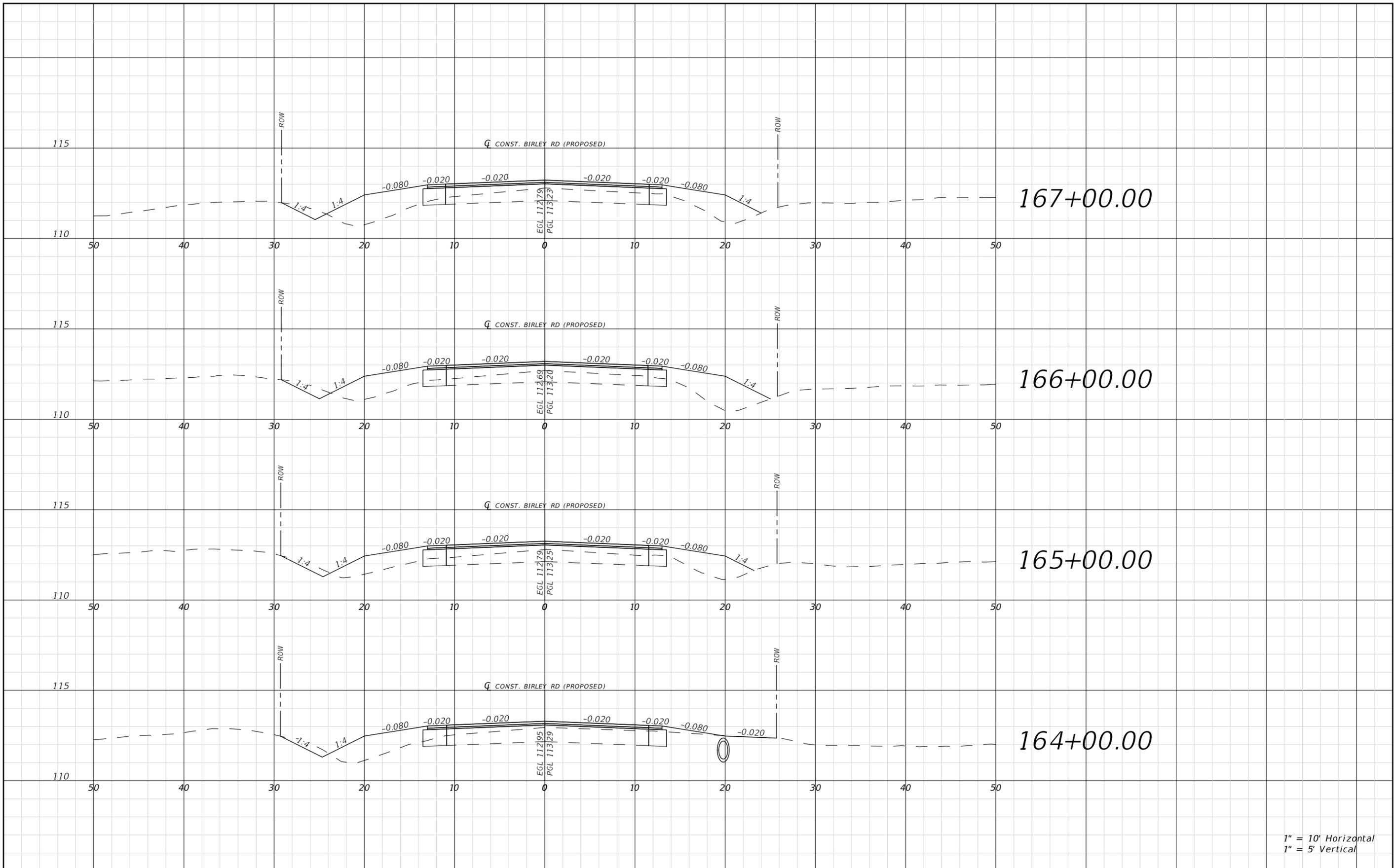
RYAN D. ASMUS
P.E. LICENSE NUMBER 66626
NFPS
P.O. BOX 3823
LAKE CITY, FLORIDA 32056
CERTIFICATE OF AUTHORIZATION 29011

COLUMBIA COUNTY BOCC		
ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1

ROADWAY CROSS SECTIONS

SHEET NO. 79

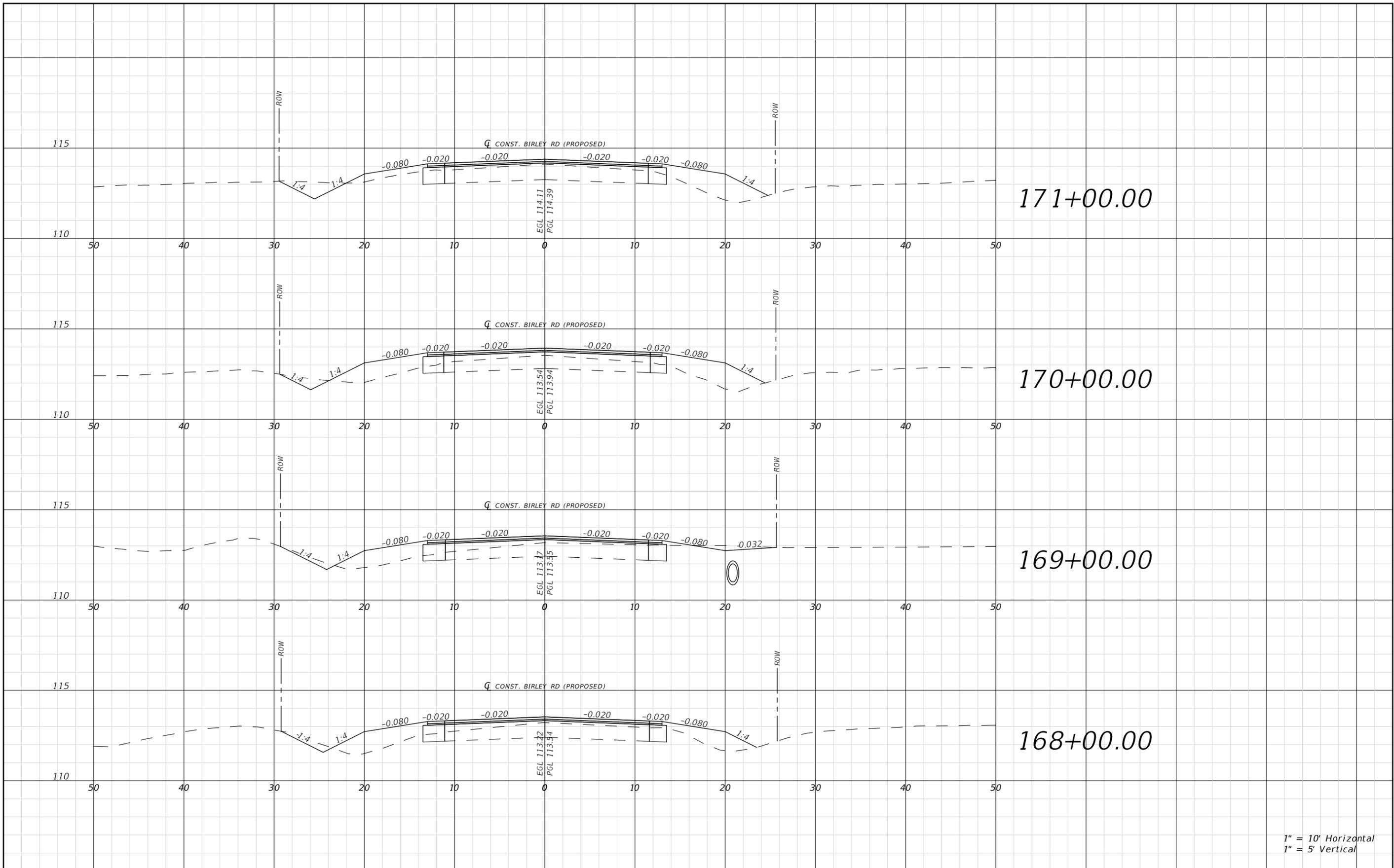
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1" = 10' Horizontal
1" = 5' Vertical

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 80
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

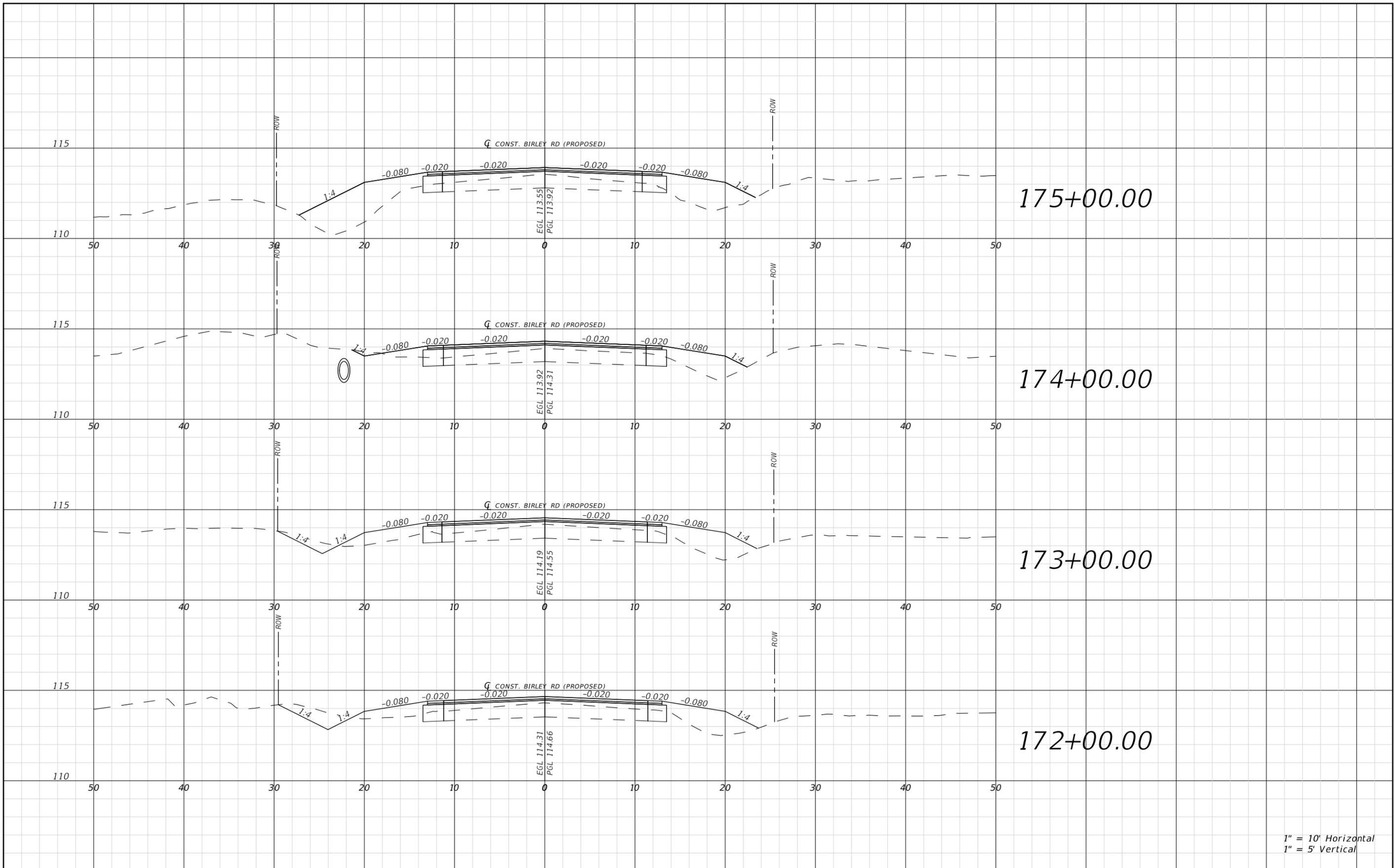
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 81
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

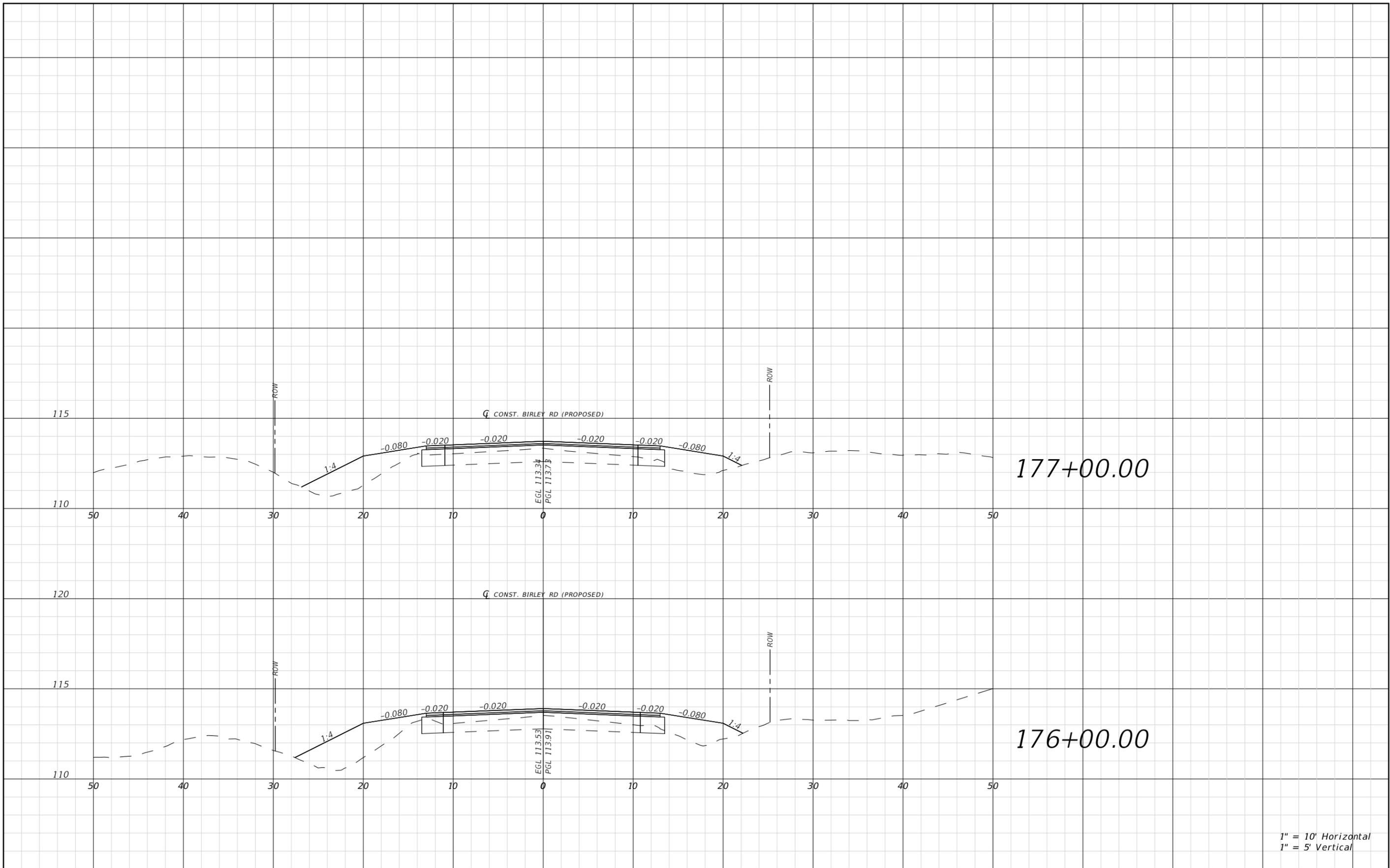
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 82
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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



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

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			ROADWAY CROSS SECTIONS	SHEET NO. 83
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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

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:

1.A. DESCRIPTION OF CONSTRUCTION ACTIVITY:

1.B. MAJOR SOIL DISTURBING ACTIVITIES: SEE PLANS AND PERMITS.

1.C. AREA ESTIMATES

TOTAL SITE AREA (ACRES): 27.5
TOTAL AREA TO BE DISTURBED (ACRES): 13.8

1.D. RUNOFF DATA

RUNOFF COEFFICIENTS: BEFORE: .46
AFTER: .50

OUTFALLS: THERE ARE 3 OUTFALLS.

RECEIVING WATER NAME: UN-NAMED DEPRESSIONS

OUTFALL LOCATIONS (EXISTING):

DESCRIPTION/STATION	LATITUDE	LONGITUDE
1.	30° 7' 12" N	82° 43' 48" W
2.	30° 7' 48" N	82° 44' 24" W
3.	30° 8' 60" N	82° 44' 24" W

1.E. SITE MAP

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAP. IF AN ADDITIONAL MAP WITH CONTOUR INFORMATION IS REQUIRED, THE APPROPRIATE USGS QUADRANGLE MAP CAN BE USED 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, SHALL 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

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

CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL.

NO MATERIAL SHALL 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

MINIMIZE 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

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

2.C.3. FERTILIZERS AND PESTICIDES

APPLY 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

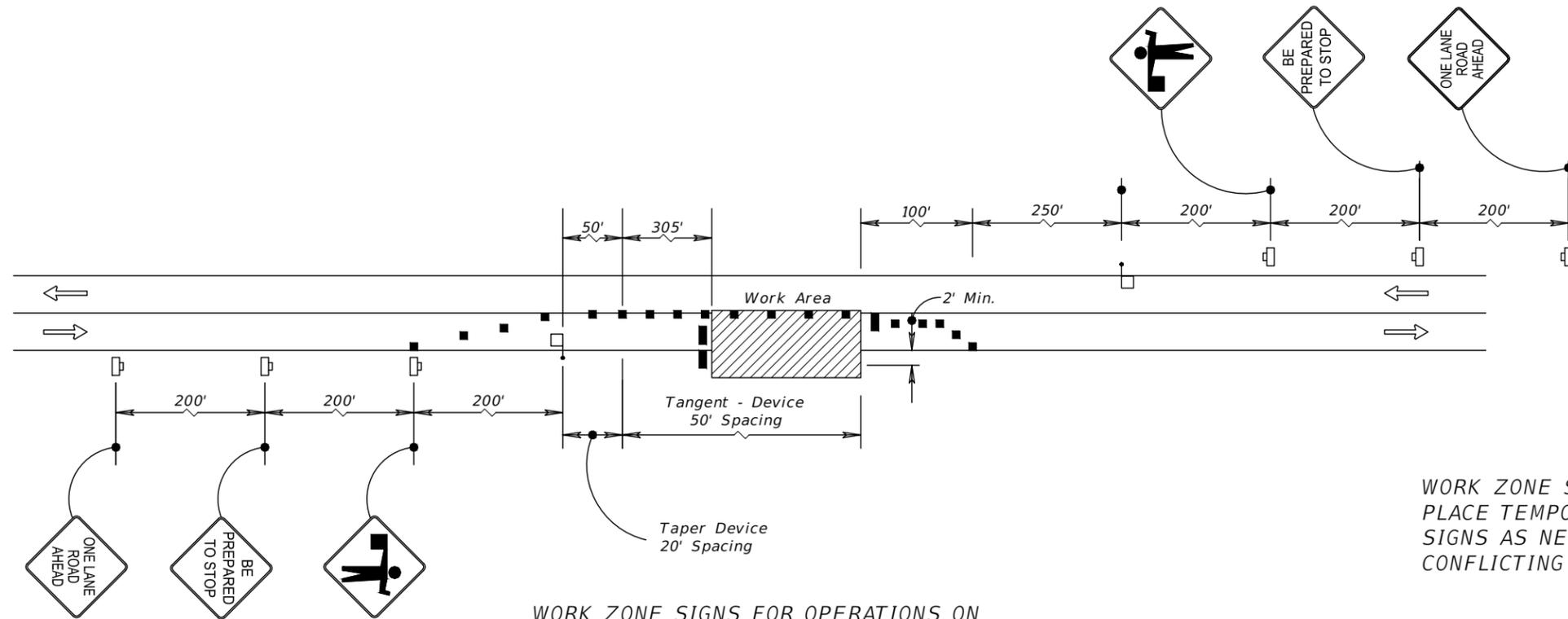
RYAN D. ASMUS
P.E. LICENSE NUMBER 66626
NFPS
P.O. BOX 3823
LAKE CITY, FLORIDA 32056
CERTIFICATE OF AUTHORIZATION 29011

COLUMBIA COUNTY BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
BIRLEY AVE.	COLUMBIA	447734-1

SWPPP

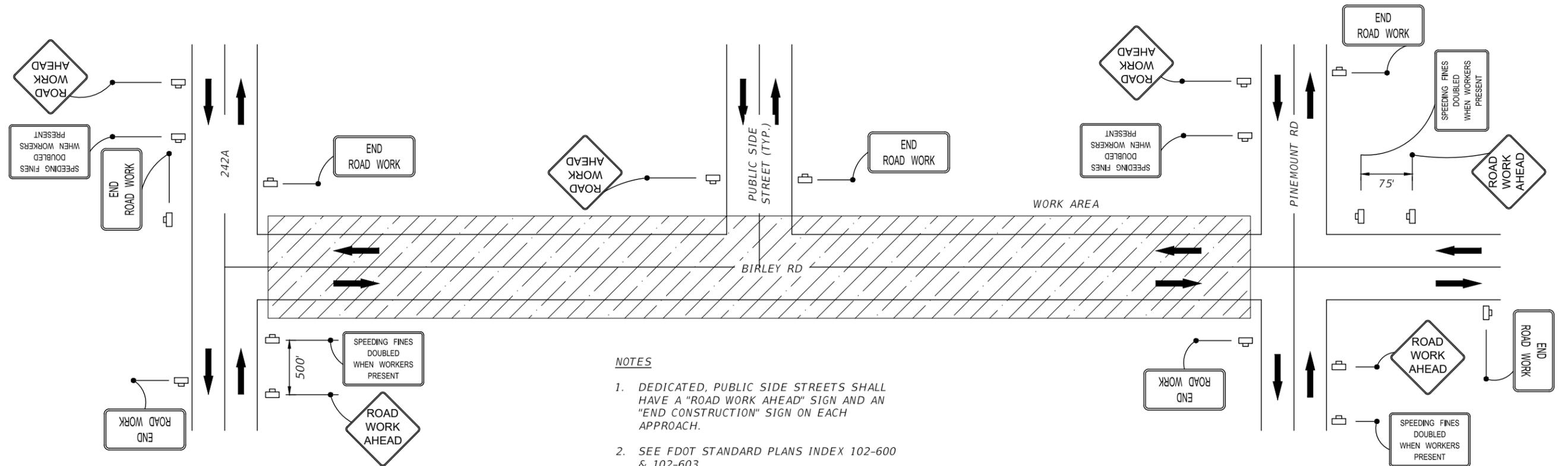
SHEET NO.
84

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WORK ZONE SPEED SHALL BE 40 MPH.
 PLACE TEMPORARY SPEED LIMIT
 SIGNS AS NEEDED. COVER
 CONFLICTING SPEED LIMIT SIGNS

WORK ZONE SIGNS FOR OPERATIONS ON
 THE TRAVEL LANE OR ON THE SHOULDER



NOTES

1. DEDICATED, PUBLIC SIDE STREETS SHALL HAVE A "ROAD WORK AHEAD" SIGN AND AN "END CONSTRUCTION" SIGN ON EACH APPROACH.
2. SEE FDOT STANDARD PLANS INDEX 102-600 & 102-603

ADVANCE WARNING SIGNS

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO. 85
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

ALIGNMENT CONTROL POINTS			
DESCRIPTION	STATION	NORTHING	EASTING
BEGIN PROJECT	10+00.00	410838.648	2526562.165
P.C.	10+42.84	410881.451	2526560.323
P.T.	11+49.03	410987.586	2526556.886
P.I.	16+74.67	411513.094	2526545.453
P.I.	20+03.42	411841.768	2526538.163
P.I.	23+33.48	412171.681	2526528.484
P.I.	25+53.46	412391.605	2526523.585
P.I.	28+14.13	412652.237	2526518.639
P.I.	30+63.64	412901.685	2526513.366
P.I.	34+43.26	413281.201	2526504.478
P.C.	36+88.55	413526.422	2526498.755
P.T.	38+46.66	413684.515	2526496.316
P.I.	39+91.97	413829.821	2526495.223
P.C.	43+63.08	414200.919	2526497.629
P.I.	48+43.46	414681.175	2526488.259
P.I.	50+64.07	414901.599	2526479.260
P.I.	52+94.00	415131.374	2526470.897
P.I.	55+23.76	415360.974	2526462.302
P.I.	57+33.75	415570.852	2526455.268
P.I.	62+64.03	416100.765	2526435.672
P.I.	65+30.82	416367.351	2526425.206
P.I.	68+94.71	416730.923	2526409.955
P.I.	72+68.04	417103.920	2526394.175
P.I.	76+48.91	417484.430	2526377.749
P.I.	82+16.41	418051.449	2526354.383
P.I.	85+79.44	418414.176	2526339.344
P.I.	91+99.90	419034.283	2526318.469
P.I.	97+24.70	419558.848	2526303.001
P.I.	103+54.58	420188.431	2526283.528
P.I.	107+37.05	420570.769	2526273.615
P.I.	111+64.24	420997.821	2526262.453
P.I.	114+61.82	421295.288	2526254.444
P.I.	117+14.07	421547.453	2526247.841
P.I.	120+70.80	421903.989	2526236.256
P.I.	124+84.12	422317.084	2526222.352
P.I.	127+03.99	422536.811	2526214.604
P.I.	130+34.12	422866.774	2526203.889
P.C.	133+99.52	423231.984	2526192.263
P.T.	136+29.23	423461.659	2526189.350

ALIGNMENT CONTROL POINTS (CONTINUED)			
DESCRIPTION	STATION	NORTHING	EASTING
P.C.	138+70.79	423703.215	2526190.911
P.I.	142+06.50	424038.896	2526187.446
P.I.	143+54.08	424186.420	2526183.446
P.I.	147+94.57	424626.581	2526166.568
P.I.	152+34.87	425066.556	2526149.472
P.C.	156+85.78	425517.100	2526131.486
P.R.C	158+80.86	425711.603	2526116.922
P.T.	160+72.17	425902.331	2526102.512
P.I.	167+08.70	426538.322	2526076.263
P.I.	174+48.90	427277.929	2526046.641
END PROJECT	178+20.37	427649.090	2526031.653

SURVEY CONTROL POINTS					
#	DESCRIPTION	STATION	NORTHING	EASTING	ELEV.
100	IRON ROD/CAP		412861.012	2526491.934	99.24
101	IRON ROD/CAP		417440.960	2526332.792	103.24
102	IRON ROD/CAP		421560.689	2526170.343	103.52
103	IRON ROD/CAP		425790.950	2526087.716	112.27
7	TBM 26	18+54.72	411754.028	2529288.435	106.09
10	TBM 27	27+96.34	412699.894	2529967.337	105.63
11	TBM 28		413353.310	2530648.298	104.64
15	TBM 15	65+81.46	416417.086	2526402.504	104.52
19	BM1	N/A	437950.000	2525622.000	104.83
6	TBM 22	N/A	408929.631	2526859.155	105.91

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		CNTL1
					BIRLEY AVE.	COLUMBIA	447734-1		

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

SUMMARY OF CLEARING AND GRUBBING										
PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		ALIGNMENT	BEGIN STATION	END STATION	SIDE	DESIGN NOTES	CONSTRUCTION REMARKS
			P	F						
110 1 1	CLEARING & GRUBBING	AC	9.6		BIRLEY RD	10+47.62	177+22.50	LT/RT		
110 4 10	REMOVAL OF EXISTING CONCRETE	SY	9.8		BIRLEY RD	11+18.07		LT		
		SY	16.8		BIRLEY RD	13+82.34		RT		
		SY	19.3		BIRLEY RD	15+10.74		RT		
		SY	19		BIRLEY RD	15+97.90		RT		
		SY	18.52		BIRLEY RD	17+20.77		RT		
		SY	20.81		BIRLEY RD	18+09.32		RT		
		SY	94.2		BIRLEY RD	19+00.79		RT		
		SY	30.4		BIRLEY RD	85+25.18		RT		
		SY	47.2		BIRLEY RD	157+35.73		RT		
		SY	34.6		BIRLEY RD	159+23.08		RT		
		TOTAL	310.6		BIRLEY RD	10+47.62	177+22.50	LT/RT		
110 7 1	MAILBOXES, FURNISH AND INSTALL	EA	39.0		BIRLEY RD	10+47.62	177+22.50	LT/RT		

SUMMARY OF EARTHWORK					
PAY ITEM NO.	PAY ITEM DESCRIPTION	CY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
120 1	REGULAR EXCAVATION	2866			
120 6	EMBANKMENT	7264			

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			<i>SUMMARY OF QUANTITIES</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ1
---	---	---	---		BIRLEY AVE.	COLUMBIA	447734-1		

SUMMARY OF TURNOUTS				
LOCATION APPROX. STATION	SIDE	SY		DESIGN NOTES
		P	F	
11+18.07	LT	12.3		CONC.
12+78.92	RT	64.14		
13+82.34	RT	51.7		CONC.
14+50.86	RT	22.82		
15+10.74	RT	52.6		CONC.
15+97.90	RT	51.2		CONC.
17+20.77	RT	50		CONC.
17+97.97	LT	45.44		
18+09.32	RT	50.5		CONC.
19+00.79	RT	103.3		CONC.
20+10.60	RT	113.81		STEVENS 2.75"
22+58.69	LT	46.4		
24+46.33	LT	37.4		
28+22.77	LT	39.72		
31+81.27	LT	31.64		
34+70.67	LT	41.9		
37+01.11	RT	37.62		
37+37.96	RT	44		
38+65.85	LT	132.32		GIZA 1.25"
40+68.93	RT	28.6		
44+49.20	RT	137.8		
45+86.66	RT	43.32		
51+45.35	RT	48.5		
55+50.88	RT	58.4		
58+93.53	RT	108.2		
61+01.50	RT	54.6		
61+77.85	LT	32.72		
64+03.73	RT	48.5		
64+93.17	RT	47.64		
65+70.51	LT	32.71		
69+77.89	RT	47.2		
78+47.02	LT	37.12		
84+15.48	RT	46.4		CONC.
85+25.18	RT	18.8		
89+16.94	LT	35.9		
93+67.21	RT	48		
95+76.32	RT	48.34		SALEM
103+77.37	LT	151.51		
104+14.38	RT	40.8		
108+66.45	RT	46.7		

SUMMARY OF TURNOUTS				
LOCATION APPROX. STATION	SIDE	SY		DESIGN NOTES
		P	F	
117+42.33	RT	162.3		TOMPKINS 2.75"
117+55.54	LT	162.22		BRIM 1.25"
127+48.13	RT	44.11		
128+79.97	RT	48.8		
129+39.86	RT	44.7		
129+86.46	RT	45.41		
130+84.29	RT	45.63		
131+94.11	RT	79.61		
133+09.74	LT	44.9		
133+15.83	RT	44.6		
134+09.47	RT	45.1		
137+05.88	LT	46.9		
137+20.48	RT	44.92		
142+55.37	LT	44.1		
144+95.56	LT	48.43		
152+13.96	LT	38.7		
153+85.18	RT	40.24		
154+40.86	LT	46.13		
157+09.13	LT	47.3		
157+35.73	RT	53.30		CONC.
158+85.47	LT	108.3		
159+23.08	RT	45.9		CONC.
160+26.79	RT	29.7		
161+25.14	RT	30.3		
161+72.74	LT	39.7		
162+07.72	RT	32.2		
164+04.78	RT	32.4		
164+30.37	LT	36.1		
166+50.75	RT	32.7		
167+51.14	LT	29.9		
168+94.48	RT	30		
170+20.30	LT	35.7		
170+37.08	RT	26.9		
171+37.82	RT	32.42		
173+25.69	LT	41.9		
174+34.10	LT	106.4		DOLLAR GEN
174+41.41	RT	30.32		
TOTAL		4043.18		

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			SHEET NO. SQ2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
---	---				BIRLEY AVE.	COLUMBIA	447734-1	

SUMMARY OF QUANTITIES

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SUMMARY OF PAVEMENT										
PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		LOCATION				DESIGN NOTES	CONSTRUCTION REMARKS
			P	F	ALIGNMENT	BEGIN STATION	END STATION	SIDE		
210 1	REWORKING LIMEROCK BASE	SY	50024.6		BIRLEY RD	10+47.62	177+22.50	LT/RT		
210 2	LIMEROCK, NEW MATERIAL FOR REWORKING BASE	CY	2785		BIRLEY RD	10+47.62	177+22.50	LT/RT		
285 709	OPTIONAL BASE, BASE GROUP 08	SY	9264		BIRLEY RD	10+47.62	177+22.50	LT/RT		
334 1 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C									
	MAINLINE	TN	7286.00		BIRLEY RD	10+47.62	177+22.50	LT/RT		
	TURNOUTS	TN	241		BIRLEY RD	10+47.62	177+22.50	LT/RT		
	TRANSITIONS	TN	23.00		BIRLEY RD	10+47.62	177+22.50	LT/RT		
	SAFETY EDGE	TN	102.00		BIRLEY RD	10+47.62	177+22.50	LT/RT		
	TOTAL	TN	7652.00		BIRLEY RD	10+47.62	177+22.50	LT/RT		
522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK									
		SY	12.3		BIRLEY RD	11+18.07		LT		
		SY	51.7		BIRLEY RD	13+82.34		RT		
		SY	52.6		BIRLEY RD	15+10.74		RT		
		SY	51.2		BIRLEY RD	15+97.90		RT		
		SY	50.0		BIRLEY RD	17+20.77		RT		
		SY	50.5		BIRLEY RD	18+09.32		RT		
		SY	103.3		BIRLEY RD	19+00.79		RT		
		SY	46.4		BIRLEY RD	85+25.18		RT		
		SY	53.3		BIRLEY RD	157+35.73		RT		
		SY	45.9		BIRLEY RD	159+23.08		RT		
	TOTAL	SY	517.2		BIRLEY RD	10+47.62	177+22.50	LT/RT		

Summary of Drainage						
Pay Item Number	Pay Item Description	Unit	P	F	Alignment	Design Notes
430 174 118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" S/CD	LF	380		BIRLEY RD	
430 982 125	MITRED END SECTION, OPT, ROUND, 18" S/CD	EA	10.00		BIRLEY RD	

SUMMARY OF PERFORMANCE TURF										
PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		LOCATION				DESIGN NOTES	CONSTRUCTION REMARKS
			P	F	ALIGNMENT	BEGIN STATION	END STATION	SIDE		
570 1 1	PERFORMANCE TURF	SY	22233		BIRLEY RD	10+47.62	177+22.50	LT/RT		
570 1 2	PERFORMANCE TURF, SOD	SY	13220		BIRLEY RD	10+47.62	177+22.50	LT/RT		

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			<i>SUMMARY OF QUANTITIES</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
---	---	---	---		BIRLEY AVE.	COLUMBIA	447734-1		SQ3

CONTRACT PLANS COMPONENTS
SIGNING AND PAVEMENT MARKINGS
ROADWAY PLANS

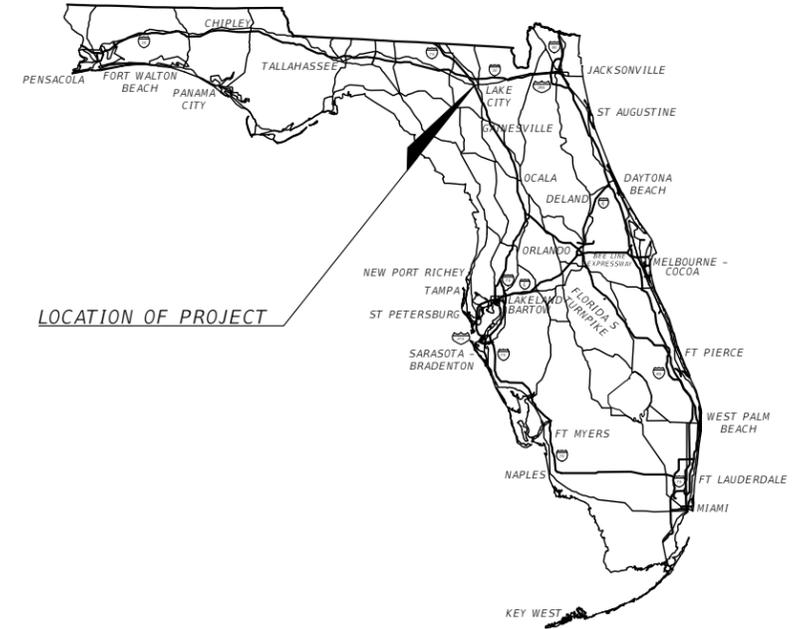
CONTRACT PLANS

SW BIRLEY AVENUE WIDEN & RESURFACE

NFPS PROJECT ID L211213CCB

COLUMBIA COUNTY, FLORIDA

SIGNING AND PAVEMENT MARKINGS



INDEX OF SIGNING AND PAVEMENT MARKINGS

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2	SIGNATURE SHEET
S-3	GENERAL NOTES
S-4	TABULATION OF QUANTITIES
S-5 - S-20	PLAN SHEETS

THESE PLANS WERE PREPARED
FOR THE COLUMBIA COUNTY
BOARD OF COMMISSIONERS

SIGNING AND PAVEMENT MARKINGS
ENGINEER OF RECORD:

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

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, FY2022-23 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:

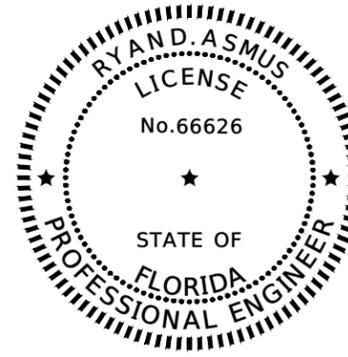
Standard Plans for Bridge Construction are included in the Structures Plans Component.

GOVERNING STANDARD SPECIFICATIONS:
Florida Department of Transportation, Jul, 2022 Standard Specifications for Road and Bridge Construction are available at the following website:

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

3.16 MILES

FISCAL YEAR	SHEET NO.
22	S-1



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY RYAN D. ASMUS 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.

NORTH FLORIDA PROFESSIONAL SERVICES INC.
 P.O. BOX 3823
 LAKE CITY, FL 32056
 CERTIFICATE OF AUTHORIZATION: 29011
 RYAN D. ASMUS, 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.

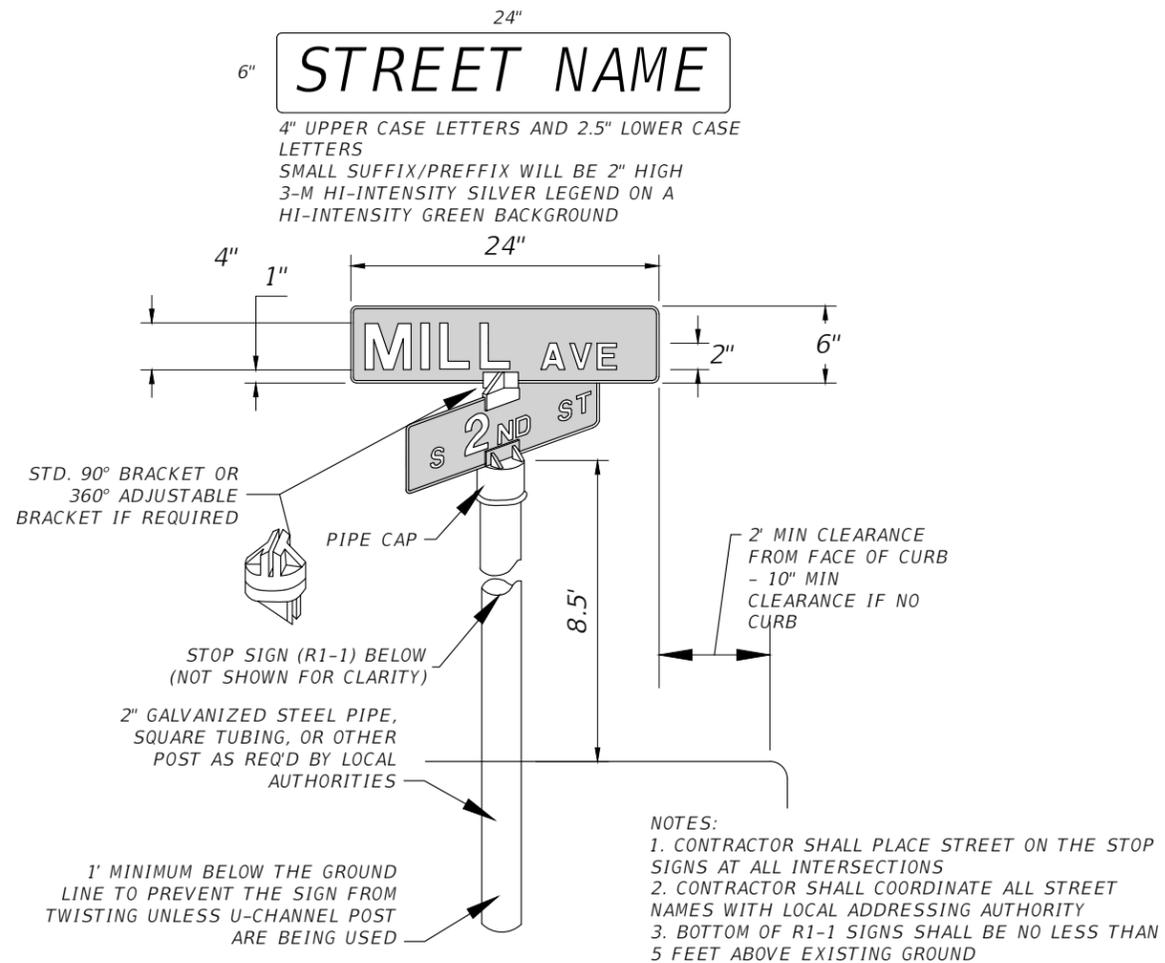
INDEX OF SIGNING AND PAVEMENT MARKINGS

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2	SIGNATURE SHEET
S-3	GENERAL NOTES
S-4	TABULATION OF QUANTITIES
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REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-2
					BIRLEY AVE.	COLUMBIA	447734-1		

SIGNING AND PAVEMENT MARKING NOTES

1. ALIGNMENT OF PROPOSED PAVEMENT MARKINGS SHALL MATCH EXISTING PAVEMENT MARKINGS AT PAVEMENT MARKING LIMITS OF CONSTRUCTION.
2. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS ARE TO BE REMOVED UNLESS NOTED OTHERWISE IN THE PLANS.
3. CONSTRUCT PAVEMENT MARKINGS AND RPM'S IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 706-001 AND 711-001.
4. CONTRACTOR SHALL INSTALL TWO STREET NAME PANELS ON EACH R1-1 STOP SIGN ACCORDING TO DETAIL BELOW UNLESS NOTED OTHERWISE IN THE PLANS.

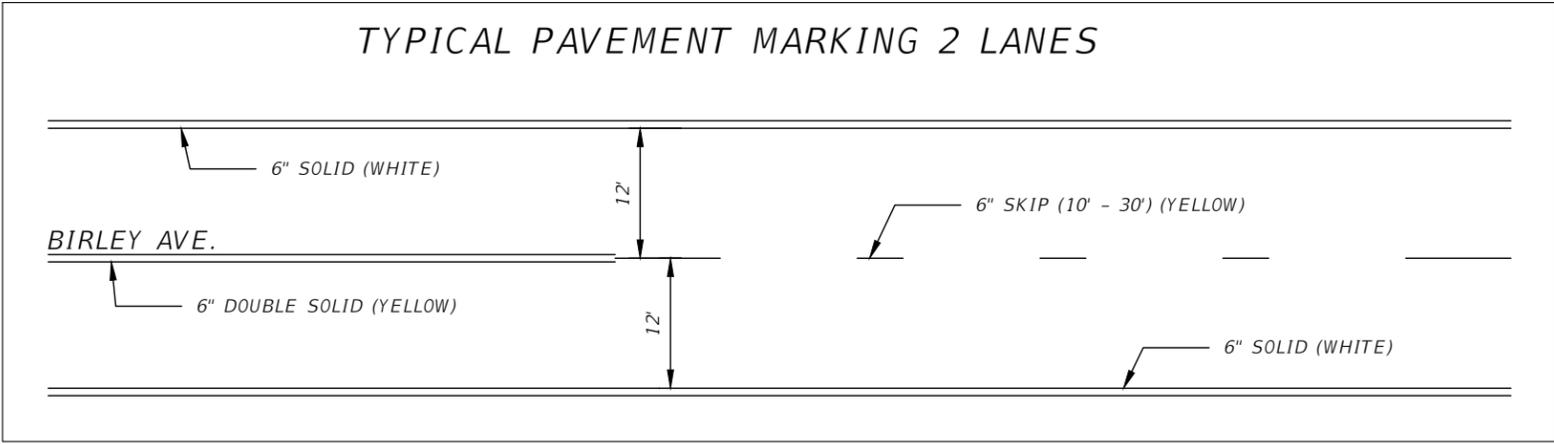


1 STREET SIGN DETAIL
S-3 SCALE:N.T.S.

REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-3
					BIRLEY AVE.	COLUMBIA	447734-1		

SUMMARY OF QUANTITIES			
PAY ITEM NO.	DESCRIPTION	UNIT	TOTAL
546 71 1	RAISED RUMBLE STRIP SET - PERMANENT	PS	8
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	33
700 1 60	SINGLE POST SIGN, REMOVE	AS	23
705 10 1	OBJECT MARKER, TYPE 1	EA	3
705 11 1	FLEXIBLE TUBULAR DELINEATOR	EA	10
706 1 3	RAISED PAVEMENT MARKER, TYPE B	EA	417
710-90	PAINTED PAVEMENT MARKINGS (FINAL SURFACE)	LS	1.000
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	6.240
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	3.760
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SKIP, 6"	GM	1.490
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 24"	LF	133

* ALL PERMANENT PAINTED PAVEMENT MARKINGS ARE TO BE PAID FOR UNDER 710-90. THE QUANTITIES SHOWN ARE FOR ONE APPLICATION. TWO APPLICATIONS ARE REQUIRED



REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			SHEET NO. 5-4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					BIRLEY AVE.	COLUMBIA	447734-1	TABULATION OF QUANTITIES

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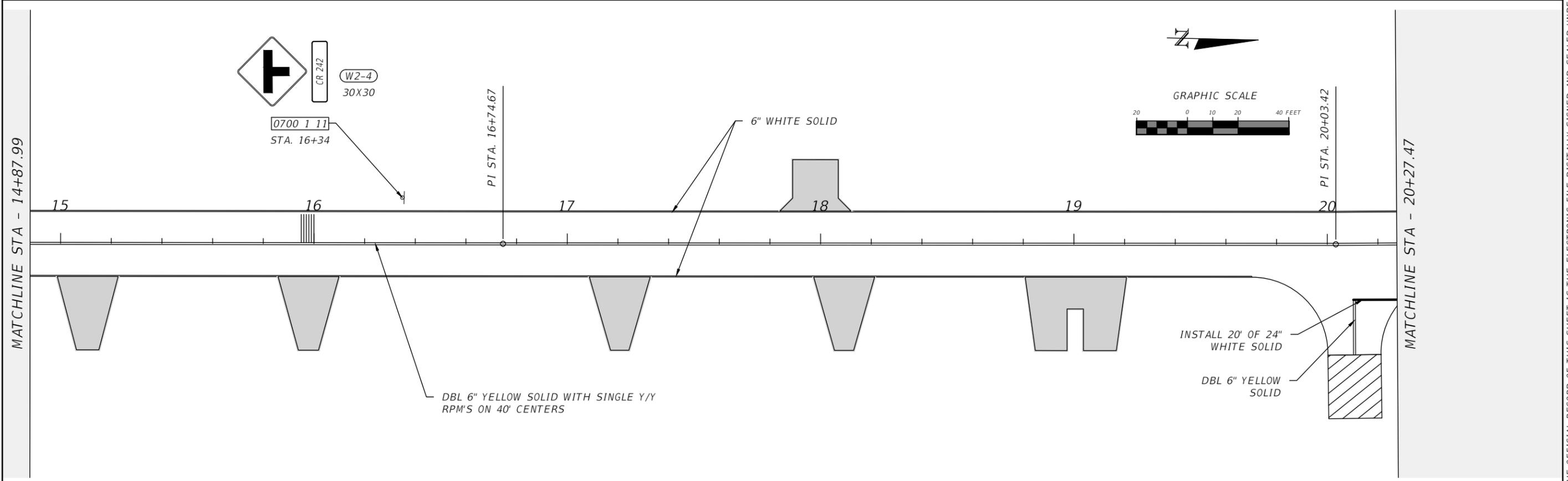
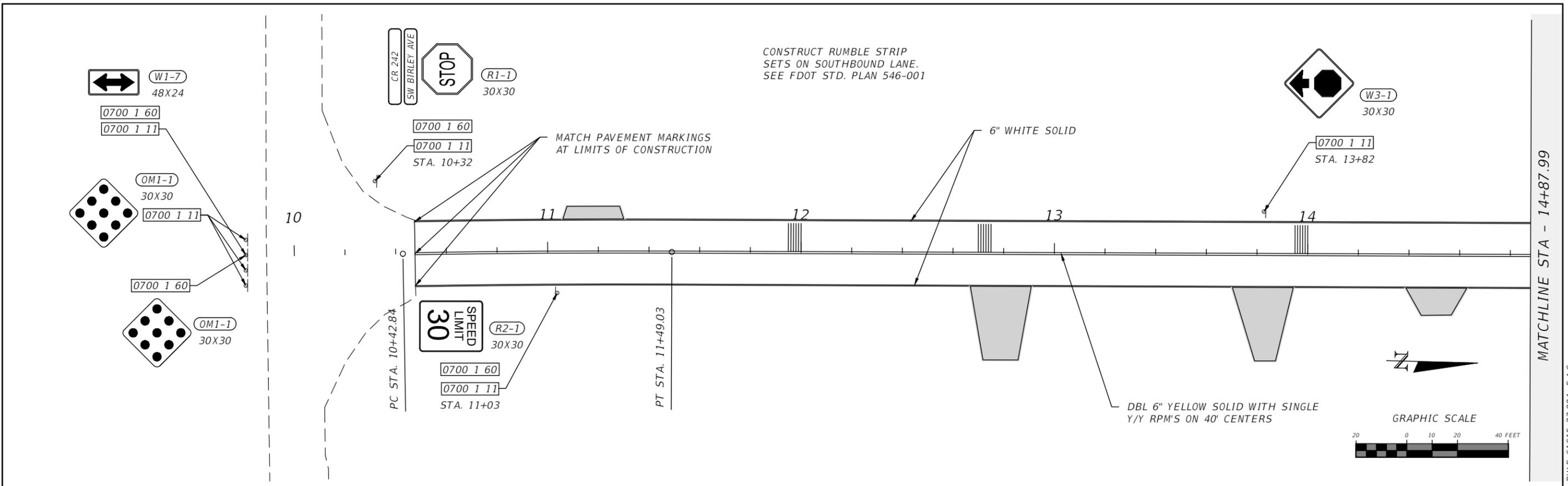
CONSTRUCT RUMBLE STRIP SETS ON SOUTHBOUND LANE. SEE FDOT STD. PLAN 546-001

MATCH PAVEMENT MARKINGS AT LIMITS OF CONSTRUCTION

DBL 6" YELLOW SOLID WITH SINGLE Y/Y RPM'S ON 40' CENTERS

INSTALL 20' OF 24" WHITE SOLID

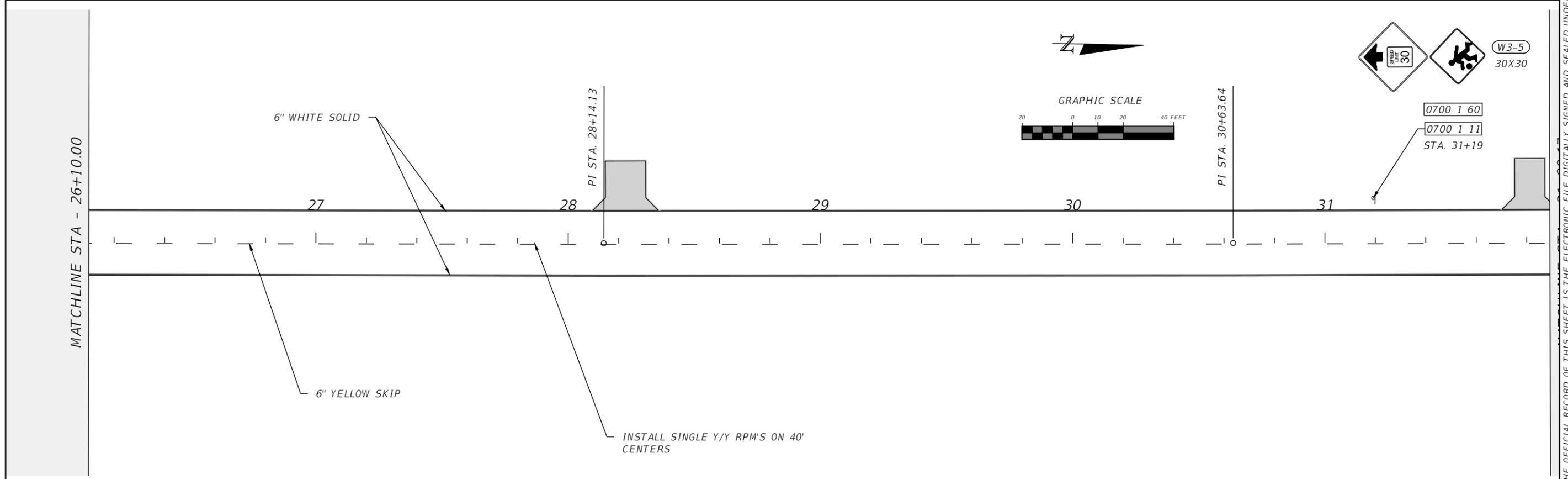
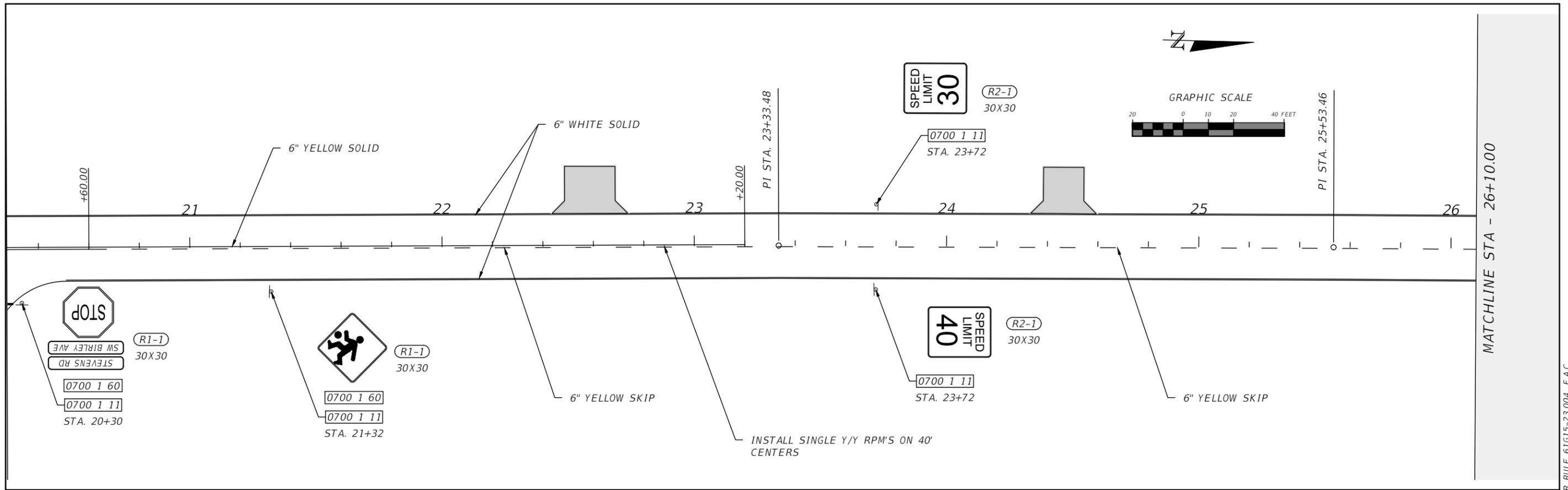
DBL 6" YELLOW SOLID



REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			SHEET NO. S-5
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1	

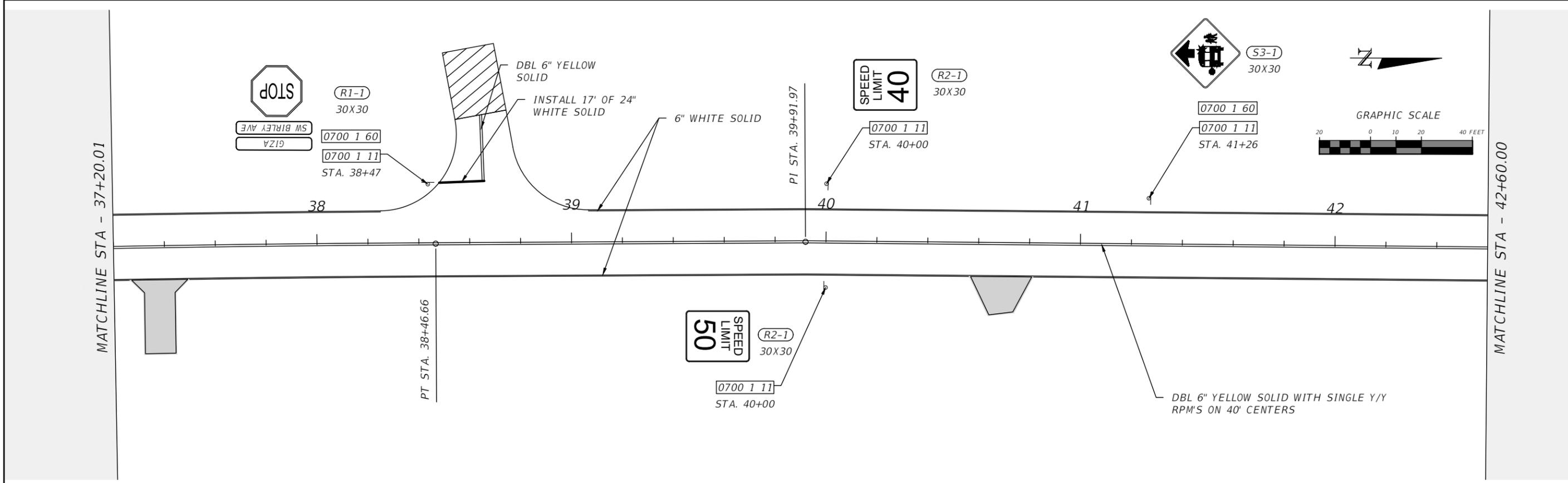
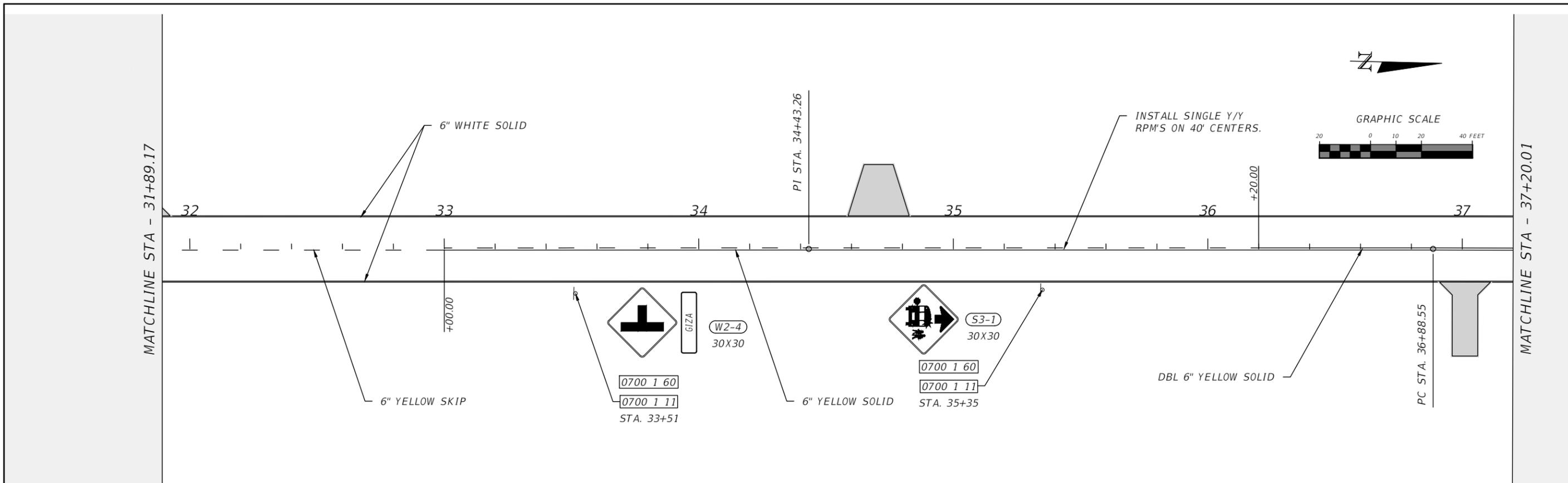
PLAN SHEET

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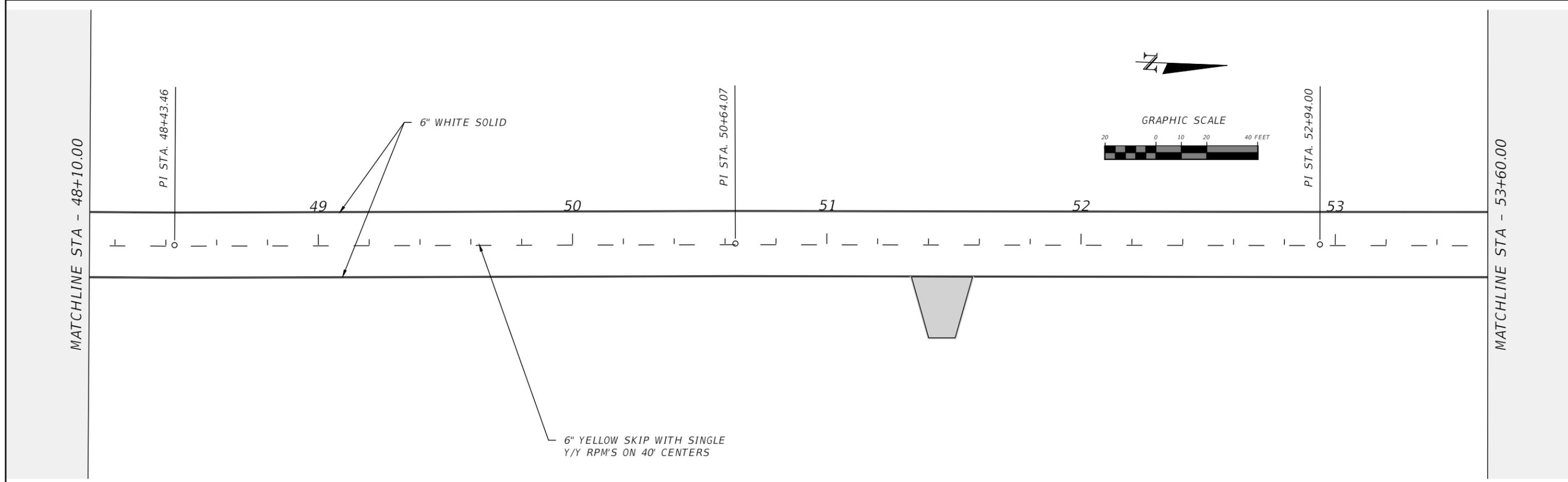
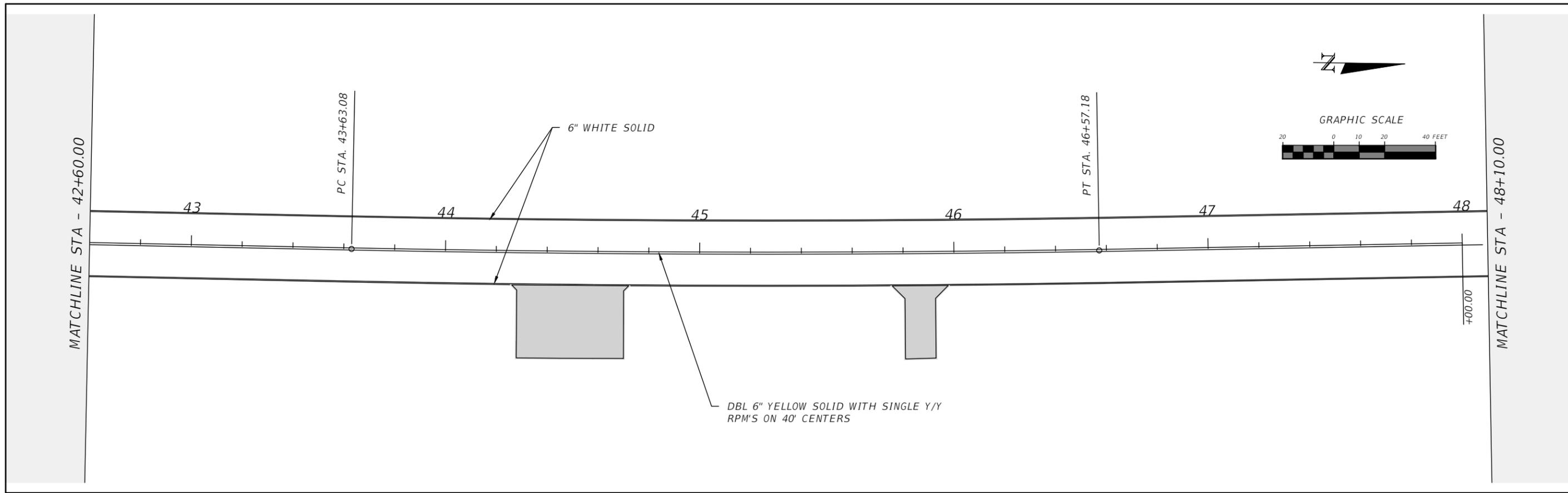
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			PLAN SHEET	SHEET NO. S-6
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					BIRLEY AVE.	COLUMBIA	447734-1		

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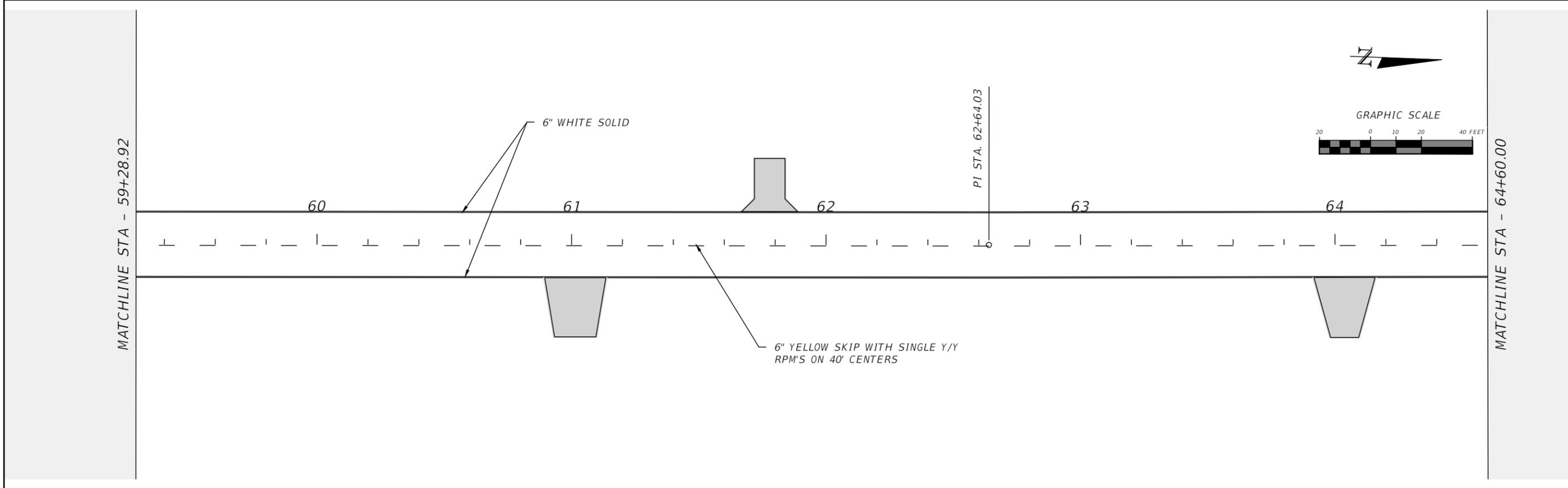
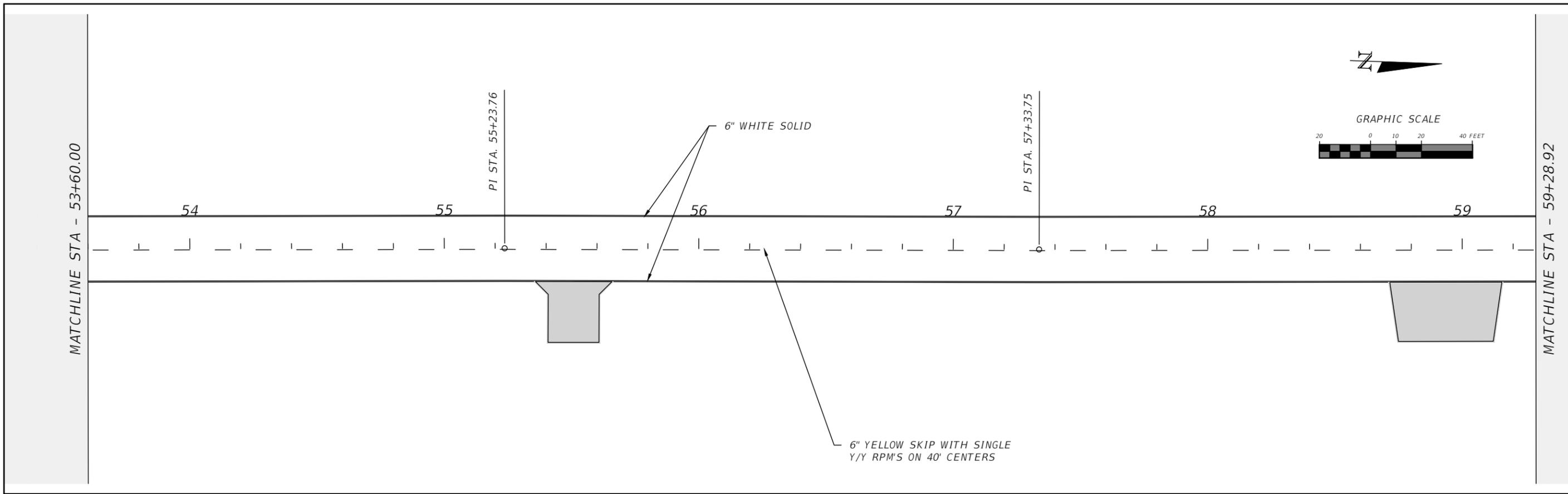
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			SHEET NO. S-7
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					BIRLEY AVE.	COLUMBIA	447734-1	

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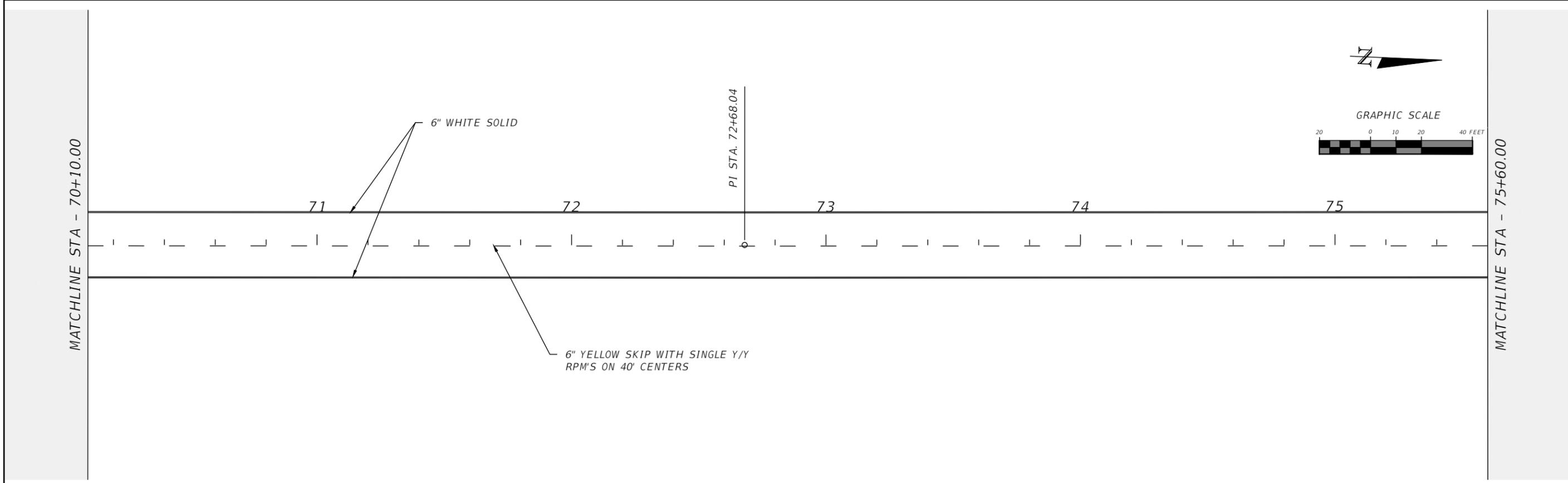
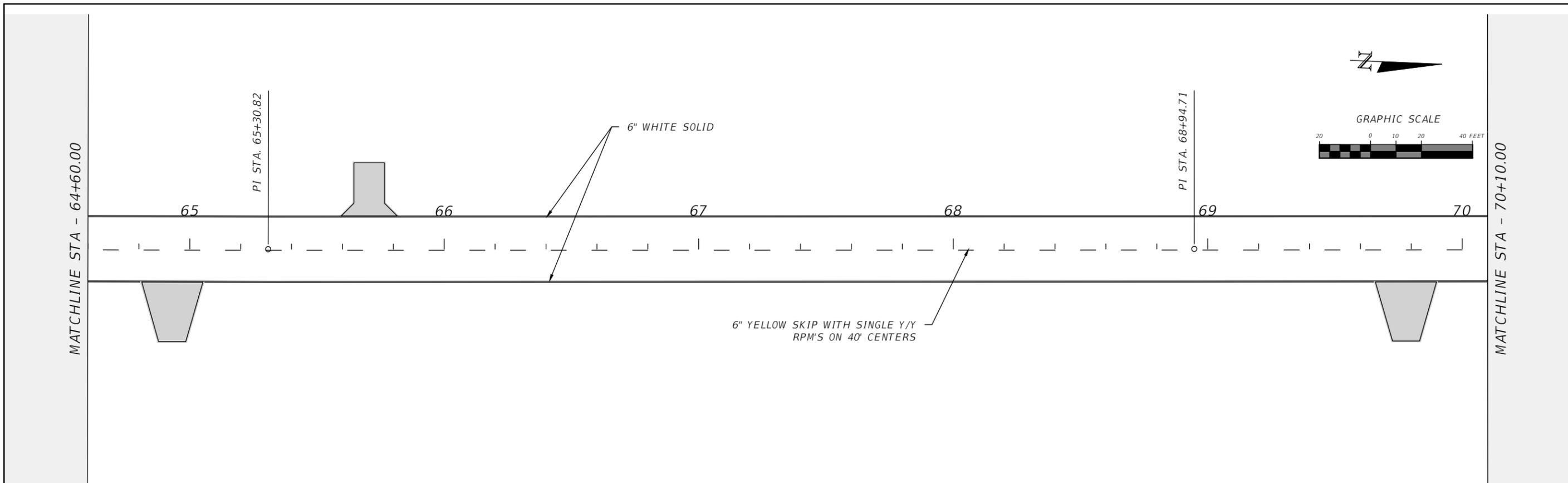
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			PLAN SHEET	SHEET NO. S-8
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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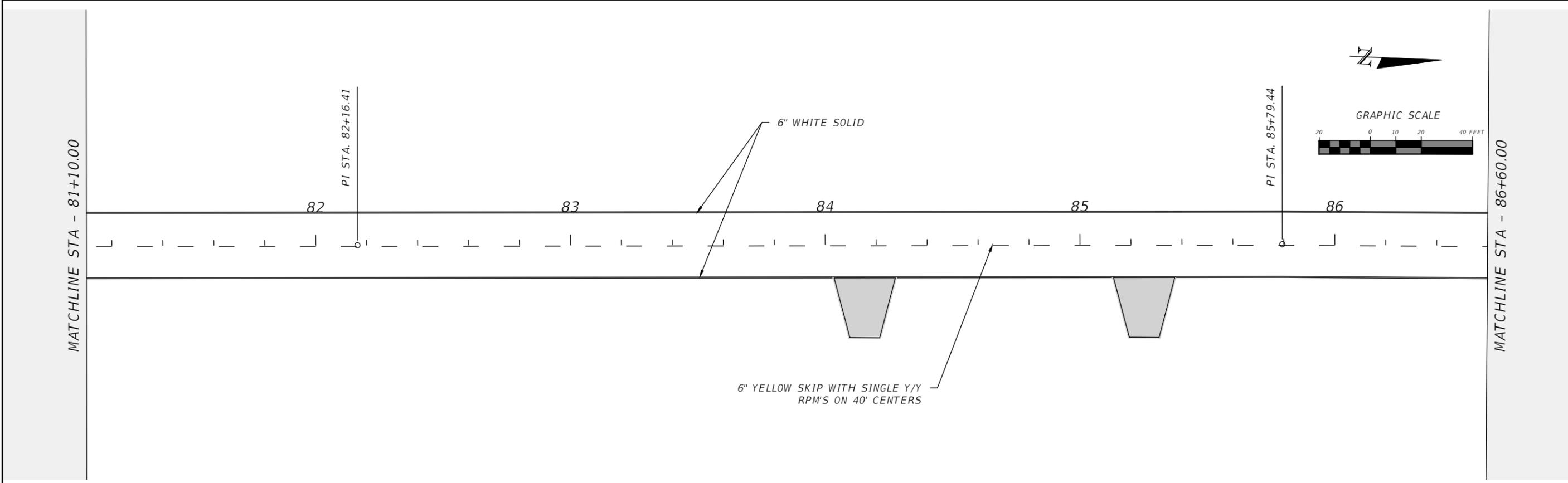
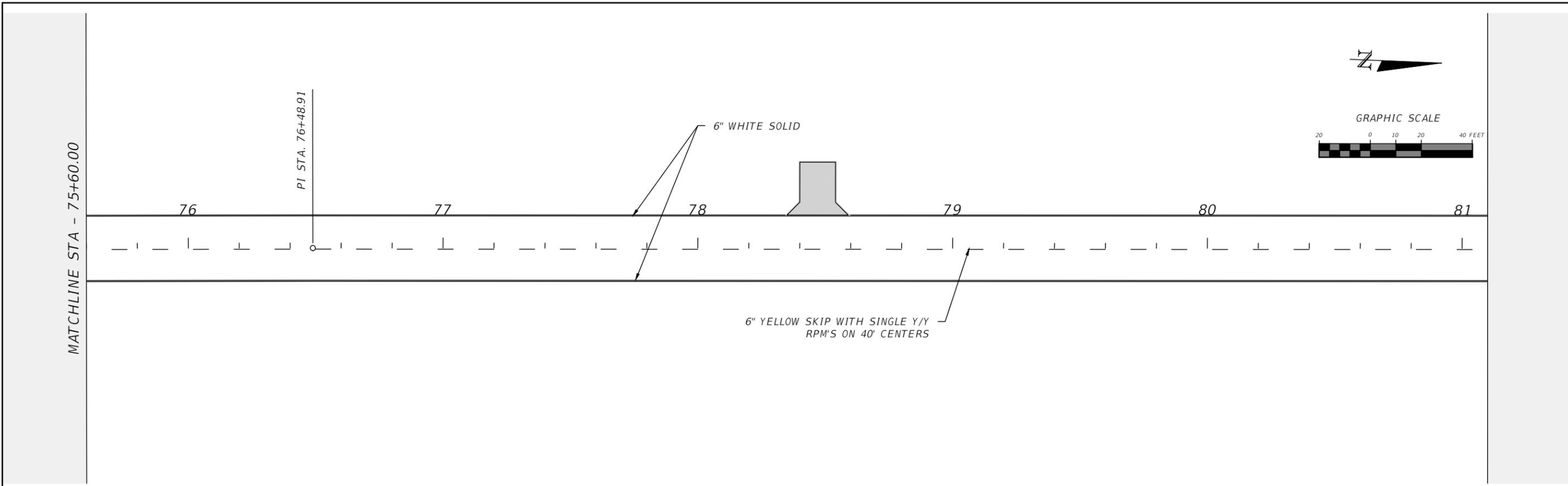


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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO. BIRLEY AVE.	COUNTY COLUMBIA	FINANCIAL PROJECT ID 447734-1		

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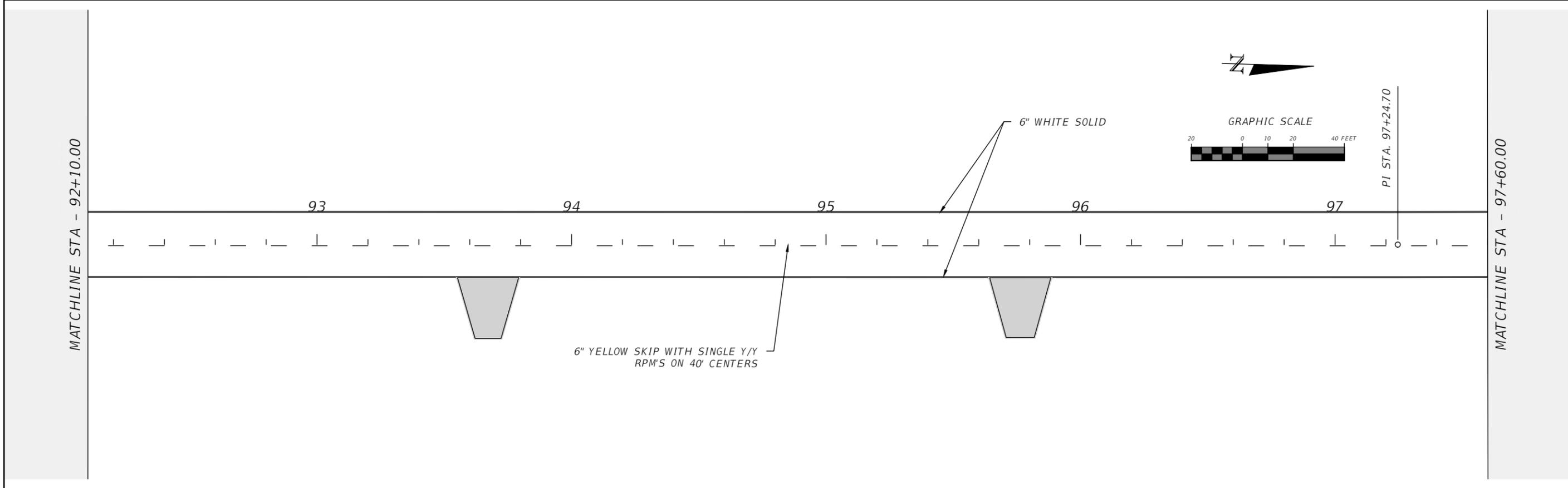
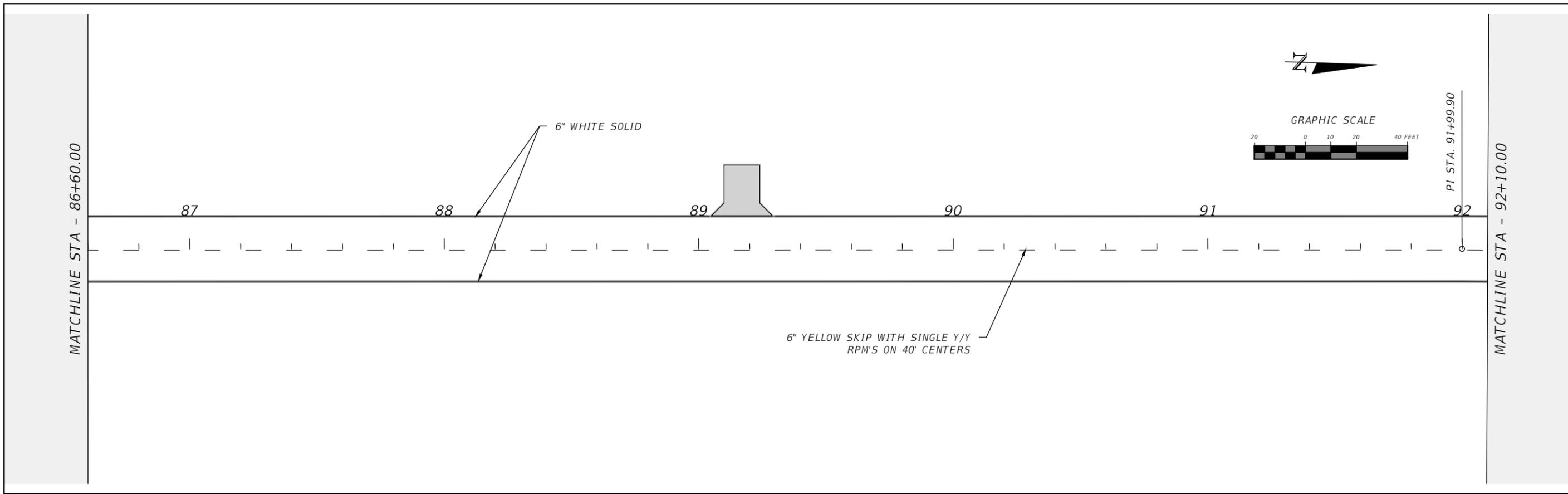


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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					BIRLEY AVE.	COLUMBIA	447734-1		



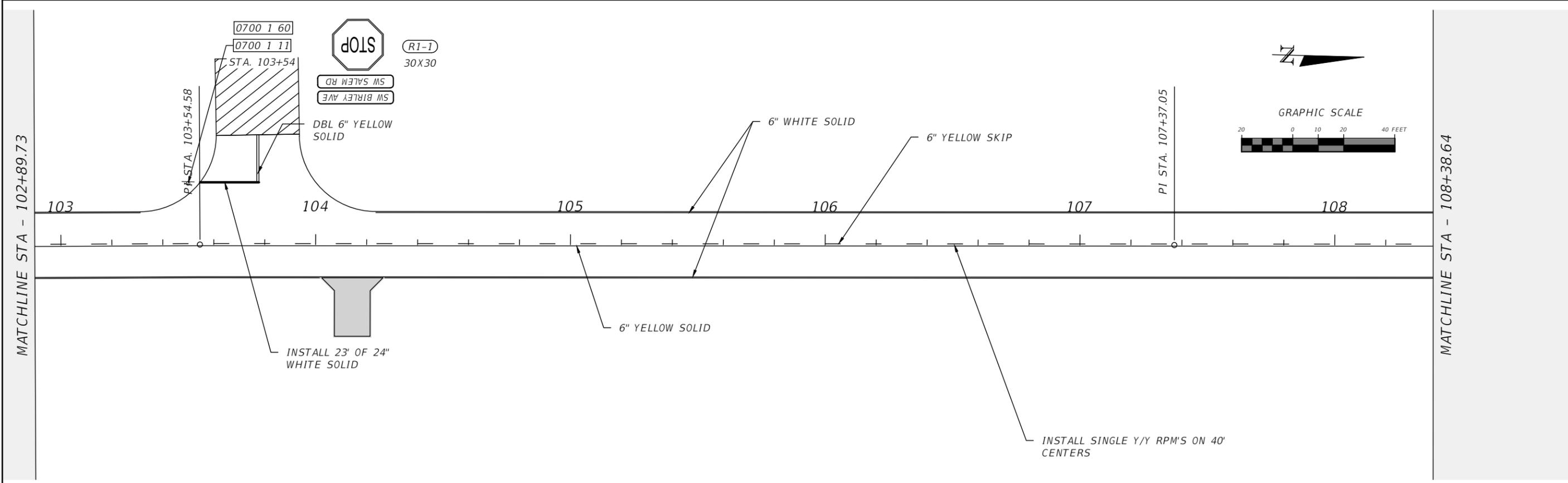
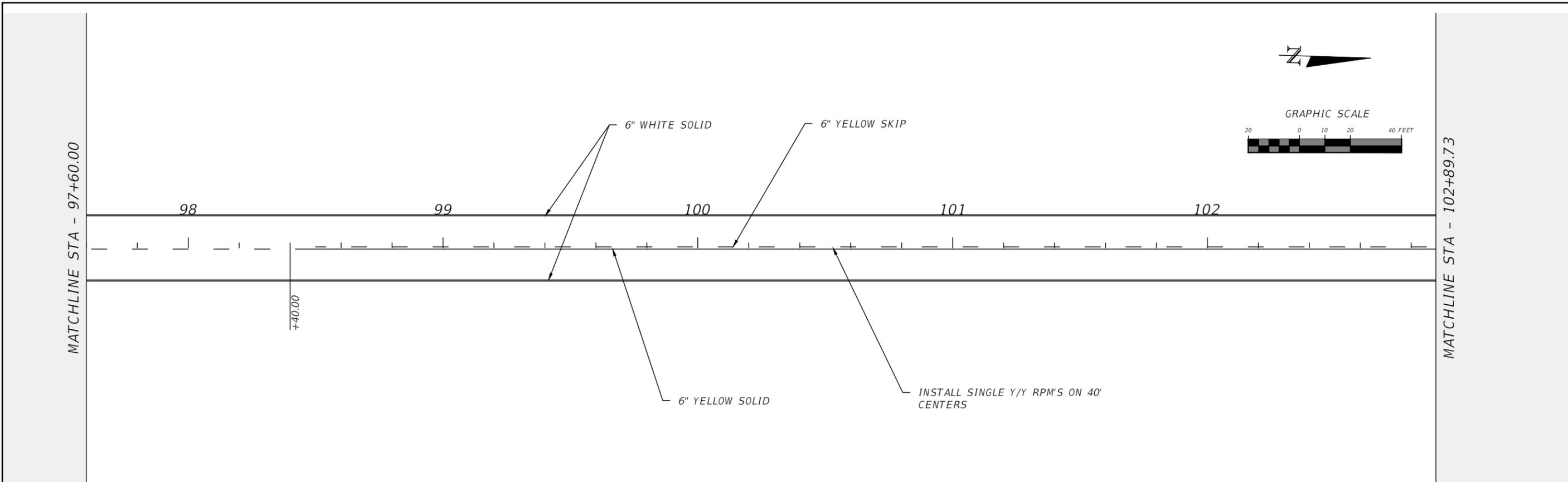
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					BIRLEY AVE.	COLUMBIA	447734-1		

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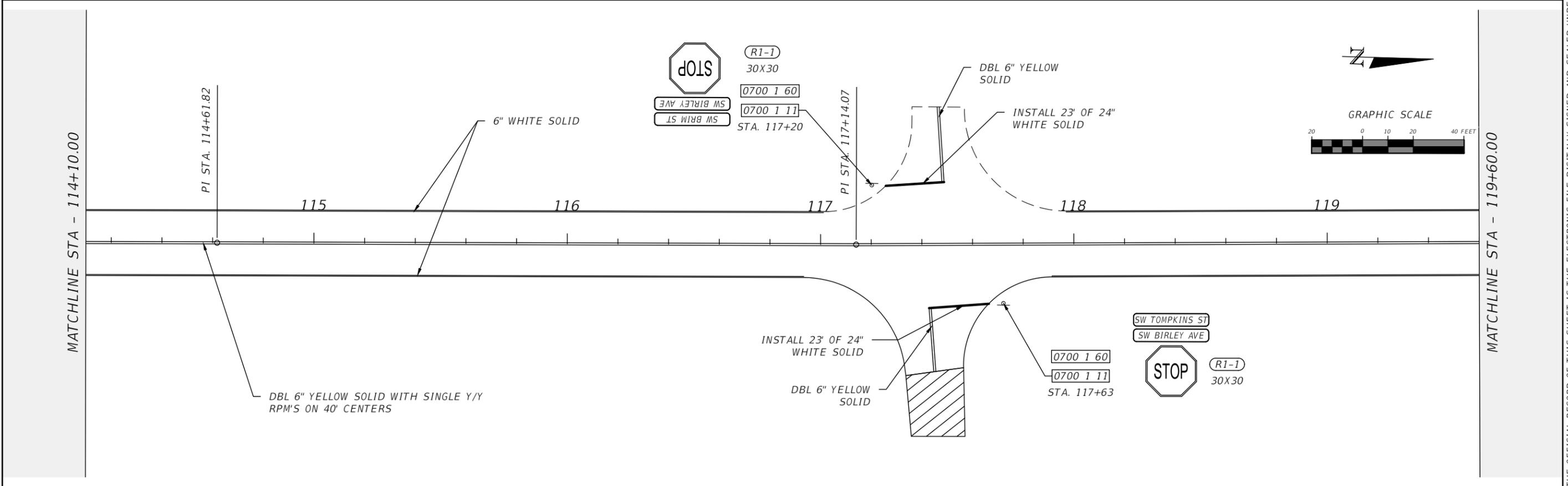
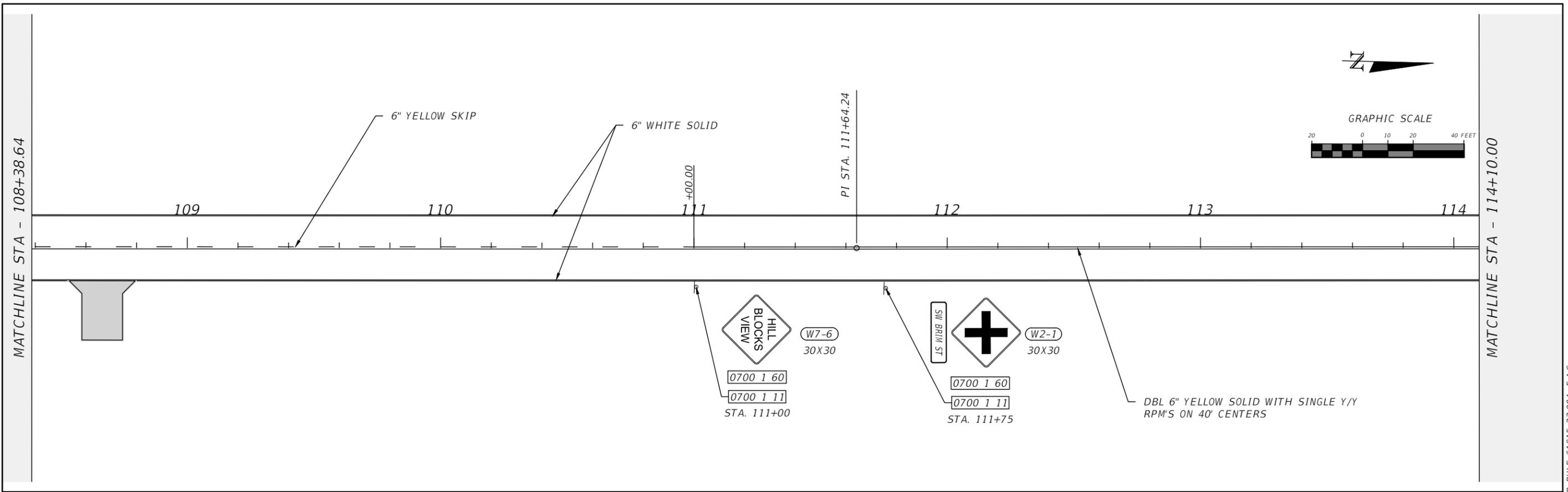
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					BIRLEY AVE.	COLUMBIA	447734-1		

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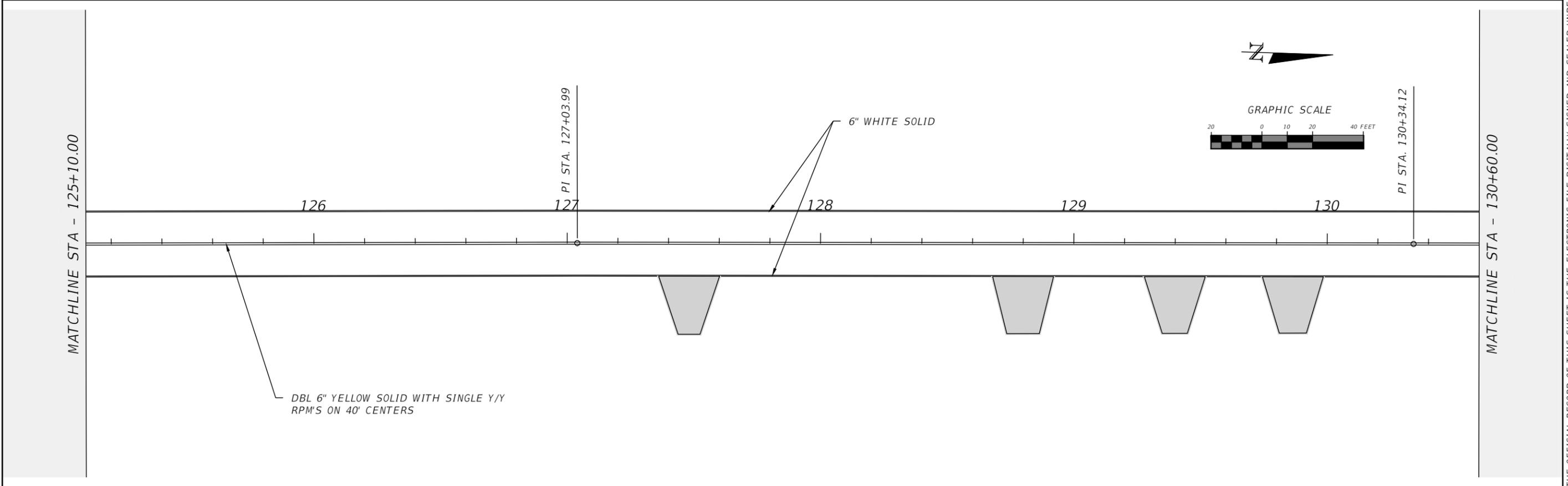
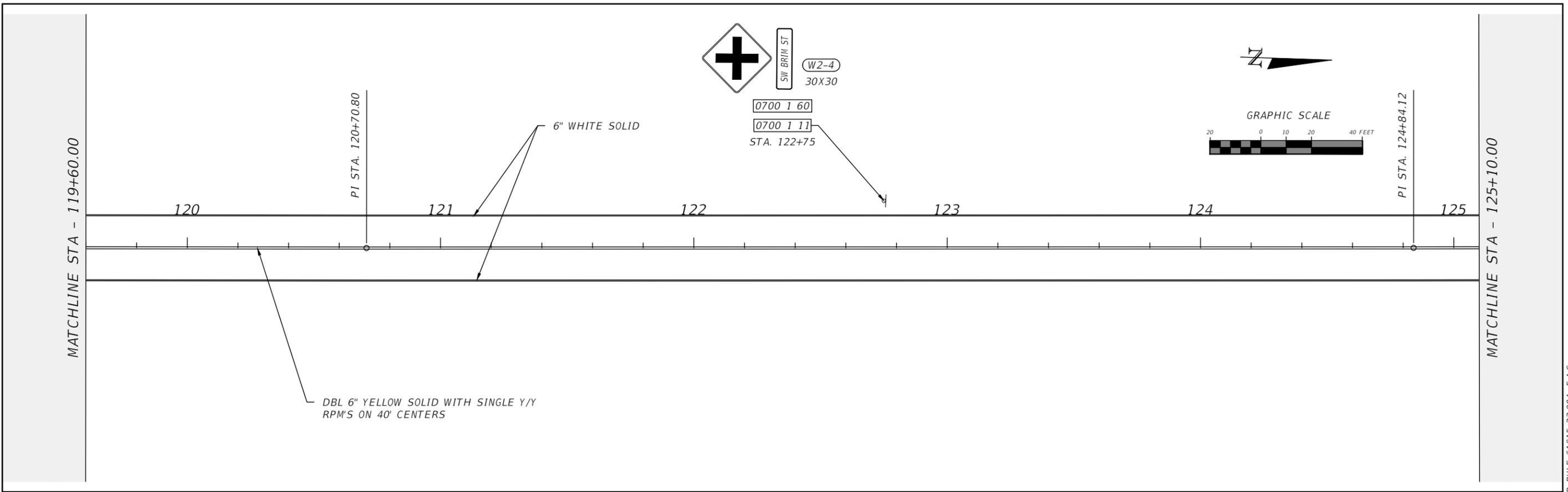
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					BIRLEY AVE.	COLUMBIA	447734-1		

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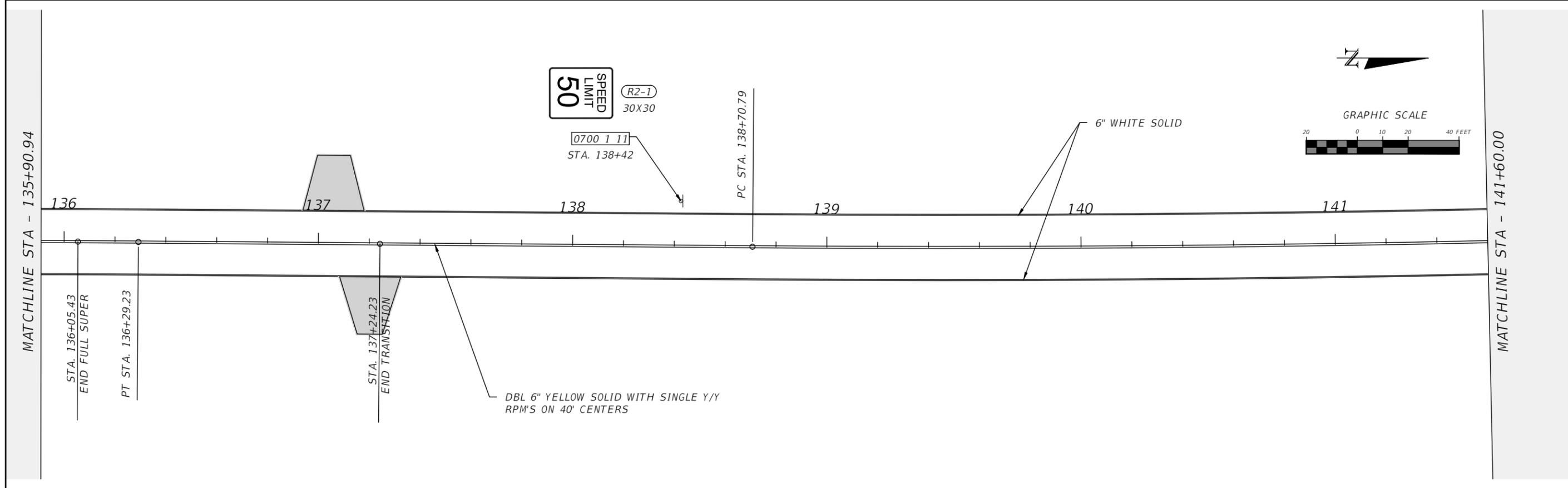
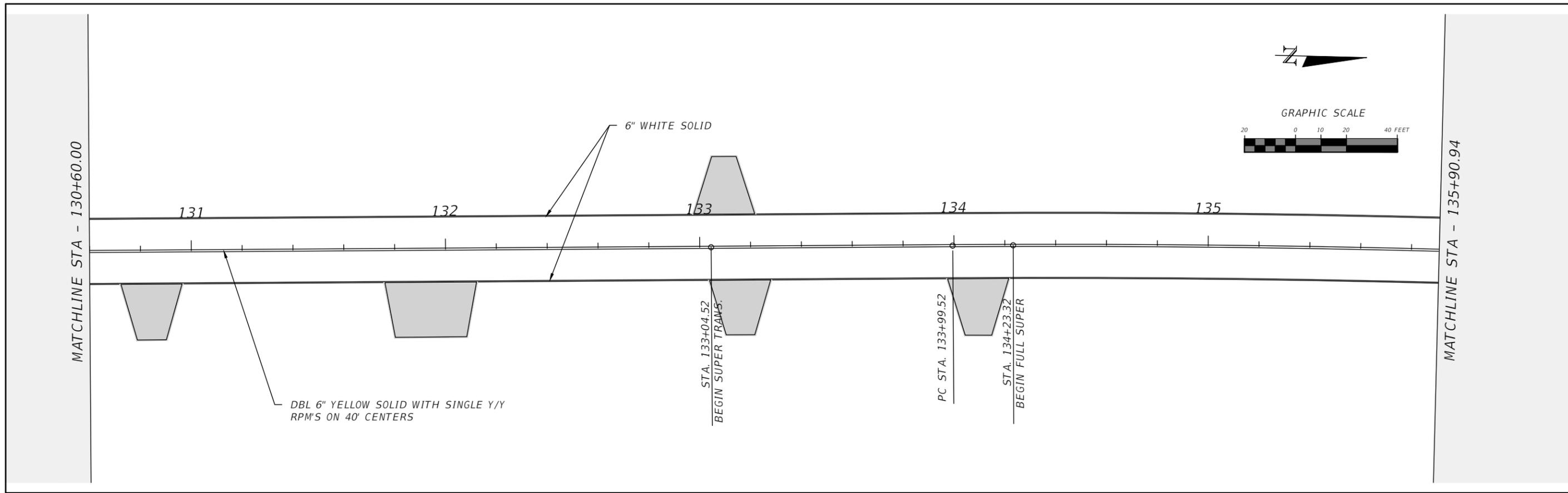
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					BIRLEY AVE.	COLUMBIA	447734-1		

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					BIRLEY AVE.	COLUMBIA	447734-1		

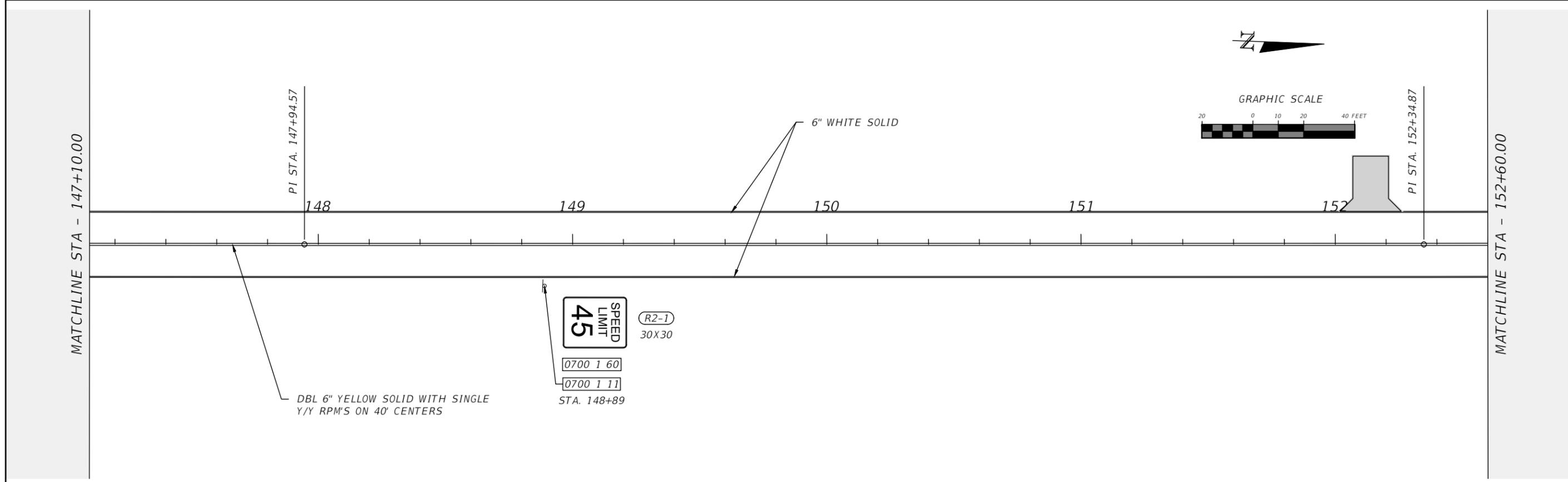
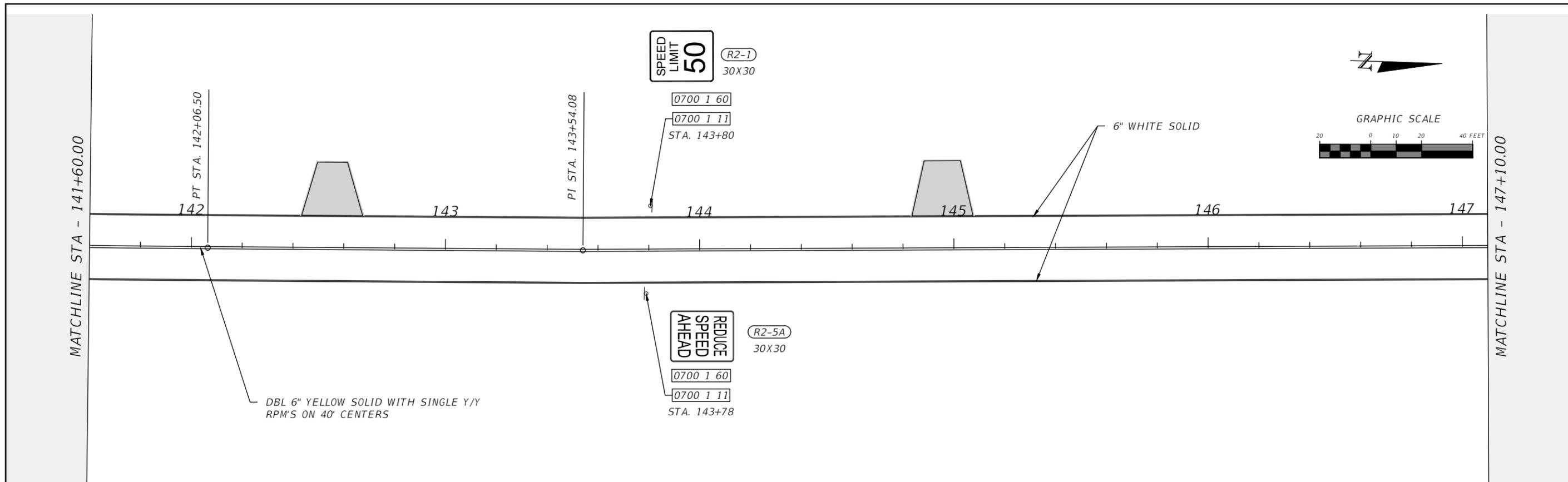
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REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			SHEET NO. S-16
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					BIRLEY AVE.	COLUMBIA	447734-1	

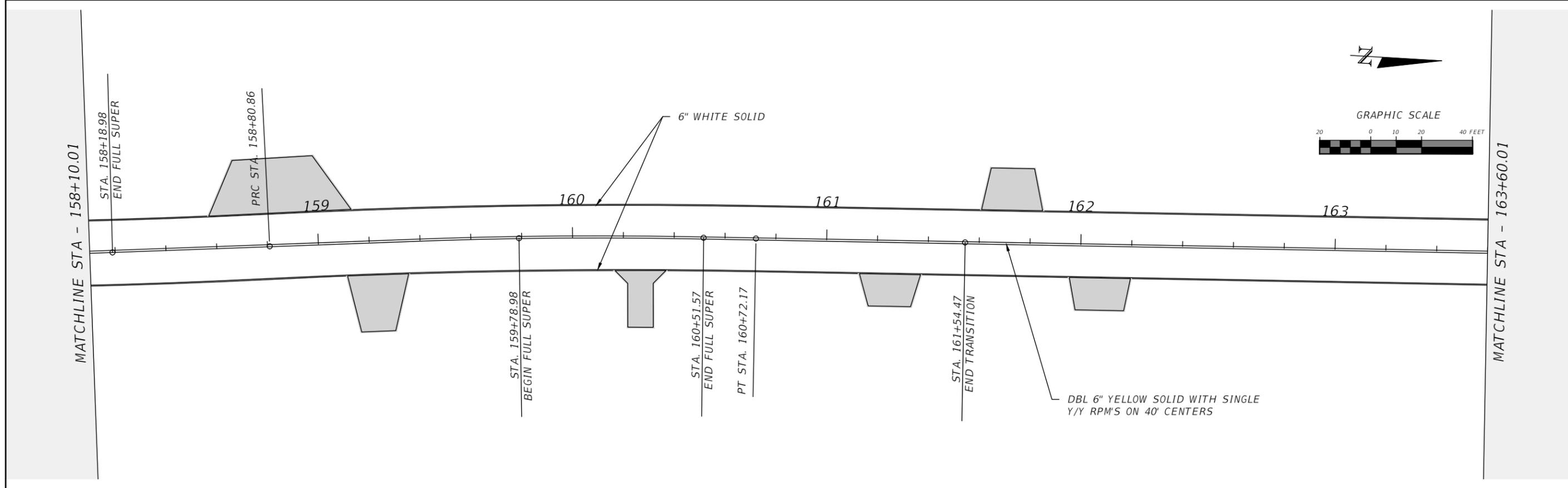
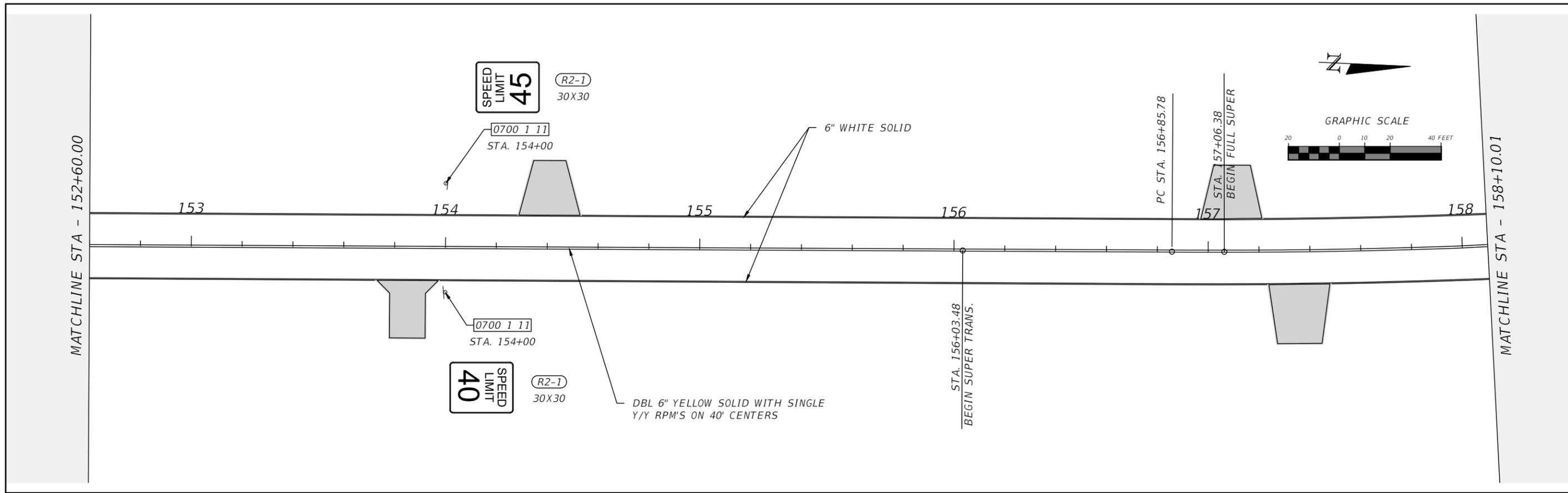
PLAN SHEET

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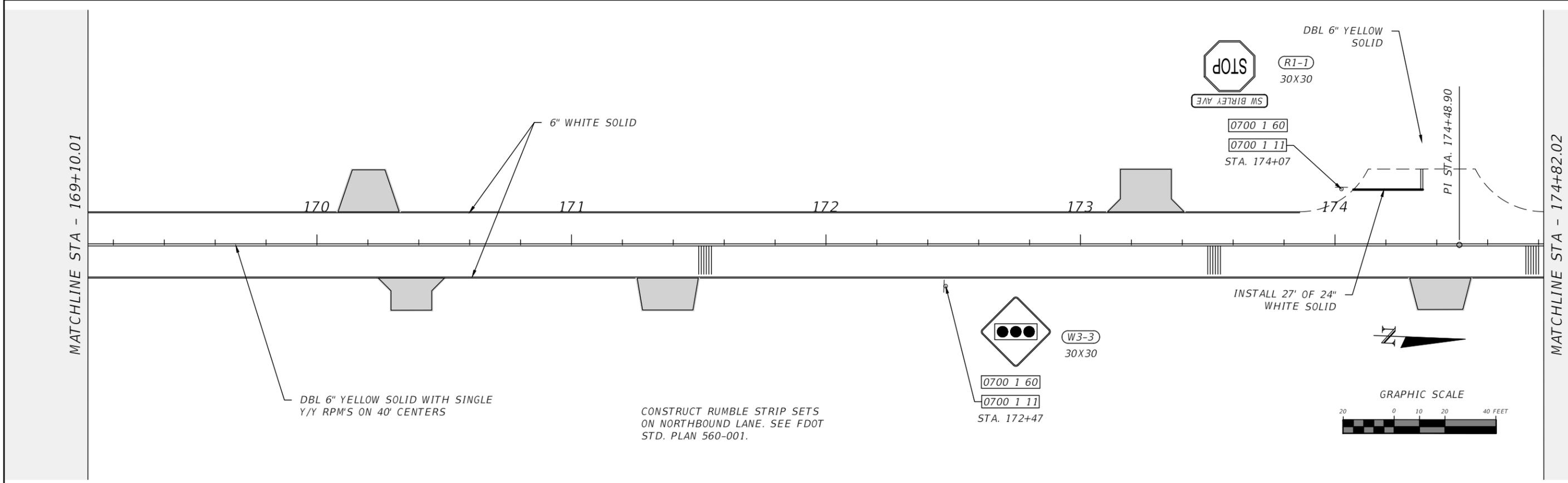
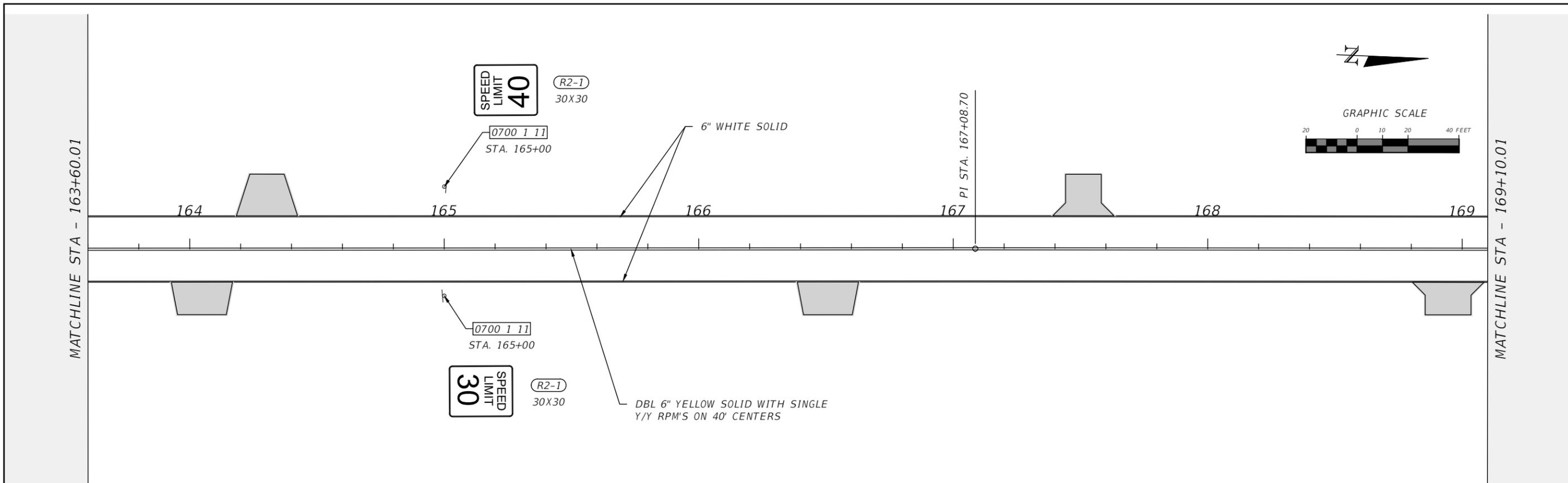
REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			PLAN SHEET	SHEET NO. S-17
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					BIRLEY AVE.	COLUMBIA	447734-1		

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REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			PLAN SHEET	SHEET NO. S-18
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					BIRLEY AVE.	COLUMBIA	447734-1		

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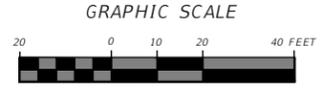


REVISIONS				RYAN D. ASMUS P.E. LICENSE NUMBER 66626 NFPS P.O. BOX 3823 LAKE CITY, FLORIDA 32056 CERTIFICATE OF AUTHORIZATION 29011	COLUMBIA COUNTY BOCC			SHEET NO. S-19
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					BIRLEY AVE.	COLUMBIA	447734-1	

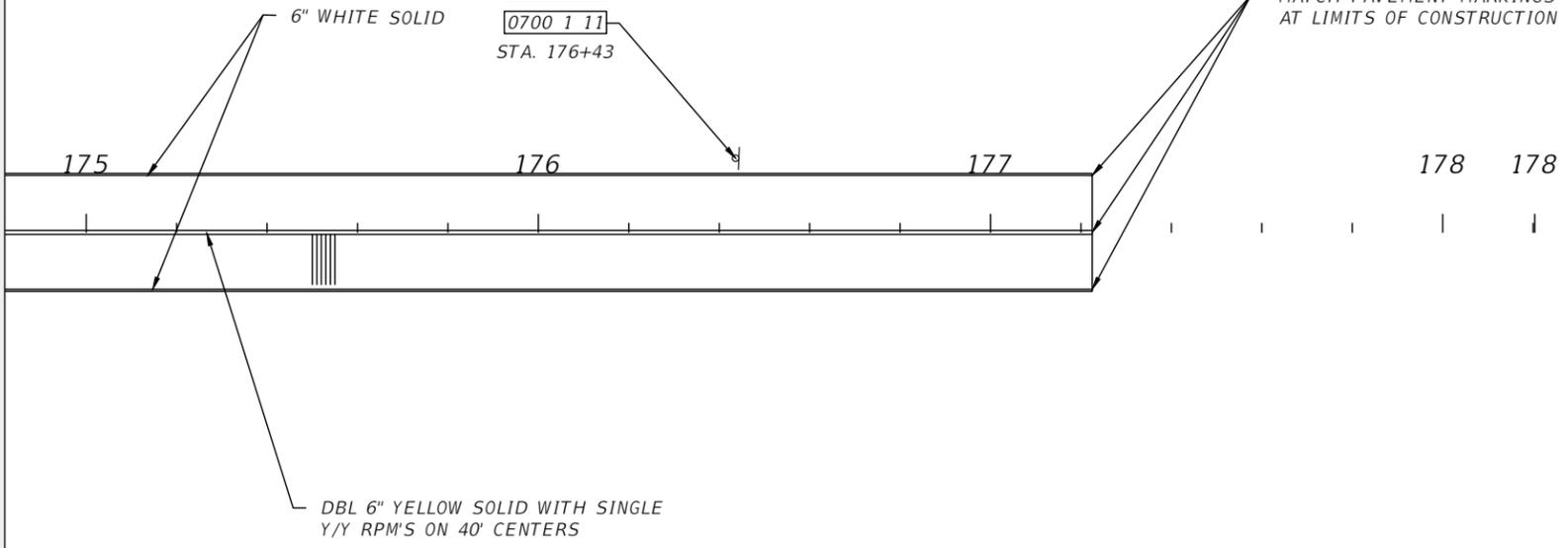
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SPEED
LIMIT
30
R2-1
30X30

0700 1 60
0700 1 11
STA. 176+43



MATCHLINE STA - 174+82.02



REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

RYAN D. ASMUS
P.E. LICENSE NUMBER 66626
NFPS
P.O. BOX 3823
LAKE CITY, FLORIDA 32056
CERTIFICATE OF AUTHORIZATION 29011

COLUMBIA COUNTY BOCC		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
BIRLEY AVE.	COLUMBIA	447734-1

PLAN SHEET

SHEET NO.
S-20

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