

**COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS**  
**COLUMBIA COUNTY PROJECT NUMBER 2016-6**  
**ENGINEER'S PROJECT NUMBER L151106CCB**  
**MT. CARRIE RD. – Roadway Construction**

**NOTICE TO CONTRACTORS**

Notice is hereby given that sealed bids will be received in the Columbia County Manager's office until **11:00 A.M. on July 12, 2016**, for Columbia County Project No. **2016-6** This office is located on the second floor of the Courthouse Annex at 135 Hernando Avenue, Room 203 Lake City FL 32055.

This project consist of new construction of a 22' wide asphalt roadway 8,566 LF or 1.62 miles along NE Mt. Carrie Road beginning at NE Gum Swamp Road.

Scope of work includes clearing and grubbing, stabilizing, limerock base, asphaltic concrete, driveway improvements, culverts, grassing, erosion control, and incidental items.

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 **11:00 A.M. on July 8, 2016**.

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 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

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Bucky Nash, Chair

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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.

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**MT. CARRIE ROAD**

NFPS Project No.: L151106CCB

Pay Item No.	Pay Item Description	Quantity	Units	Unit Price	Total Cost
0101 1	Mobilization	1	LS		
0102 1	Maintenance of Traffic	1	LS		
0104 10 3	Sediment Barrier	8,566	LF		
0110 1 1	Clearing & Grubbing	7	AC		
0120 71	Regular Excavation (3-R Projects Only)	1	LS		
0120 2 2	Borrow Excavation, Truck Measure	13,946	CY		
0160 1	Commercial Stabilizing Material	1,693	CY		
0160 4	Stabilizing Roadway and Shoulder	30,478	SY		
285706	Optional Base, Base Group 04	21,862	SY		
0286 1	Turnout Construction	1,499	SY		
0334 1 12	Superpave Asphaltic Conc, Traffic B	2,918	TN		
0400 1 2	Concrete Class I, Endwalls	2	CY		
430173218	Pipe Culvert, Optional Material, Other/Ellip., 18" SD	290	LF		
430174118	Pipe Culvert, Optional Material, Round, 18" SD	546	LF		
430175118	Pipe Culvert, RCP, Round, 18" S/CD	128	LF		
430175124	Pipe Culvert, RCP, Round, 24" S/CD	320	LF		
430982125	Mitered End Section, RCP, 18" CD	6	EA		
430982129	Mitered End Section, RCP, 24" CD	13	EA		
430984125	Mitered End Section, Optional Round, 18" SD	34	EA		
430984625	Mitered End section, Optional - Ellip./Arch, 18" SD	18	EA		
0570 1 1	Performance Turf	27,671	SY		
0570 1 2	Performance Turf, Sod	10,472	SY		
0700 1 11	Single Post Sign, F&I, Less Than 12 SF	12	AS		
0700 20 40	Single Post Sign, Relocate	9	AS		
0706 3	Retro-Reflective Pavement Markers	306	EA		
0710 90	Painted Pavement Markings, Final Surface	1	LS		

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ADDENDA	
NUMBER	DATE SENT

BID TOTAL FOR MT. CARRIE ROAD CONSTRUCTION

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

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

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

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

Florida construction industries licensing board certification.

\_\_\_\_\_

(name of holder)

\_\_\_\_\_

(certificate no.)

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

\_\_\_\_\_

(seal)

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

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

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

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

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

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

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

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**General Requirements**

**I. General**

This project consist of new construction of a 22' wide asphalt roadway 8,566 LF or 1.62 miles along NE Mt. Carrie Road beginning at NE Gum Swamp Road.

**II. Contract Time**

The contract time shall be **215 Calendar** days from the date of contract execution. The contractor will be required to return executed contract to Ray Hill, 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 \$300.00 per day. 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 and 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.

Flagging will be required and only one traffic lane may be closed between the hours of 8:30 A.M. to 4:30 P.M. only.

All construction signage shall be provided by the contractor.

**V. Compensation**

Payment shall be made on a monthly basis on work completed with 10% retainage.

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**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.

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11. Bids received late will not be accepted, and the County will not be responsible for 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

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rejected. In addition to the equipment specifically called for in the specification, all equipment catalogued by the manufacturer as standard or required by the State of Florida shall be furnished with the equipment. Where required by the State of Florida Motor Vehicle Code, vehicles shall be inspected and bear the latest inspection sticker of the Florida Department of Revenue.

21. 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 Purchasing Department, its designee and /or the department to which they are delivered. If defective material, equipment, or supplies are discovered, the contractor, upon being instructed by the Purchasing Department or designee, shall remove, or make good such material, equipment, or supplies without extra compensation. It is expressly understood and agreed that the inspection of materials by the County will in no way lessen the responsibility of the Contractor release him from his obligation to perform and deliver to the County sound and satisfactory materials, equipment, or supplies. The Contractor agrees to pay the costs of all tests upon defective material, equipment, or supplies or allow the costs to be deducted from any monies due him from the County.
23. Unless otherwise specified by the Purchasing Department all materials, supplies, or equipment quoted herein must be delivered within thirty (30) days from the day of notification or exceptions noted on bid sheets.
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

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of the materials, supplies, or equipment specified.

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 \$150,000 must be pre-qualified with the Florida Department of Transportation and shall provide proof of such qualification upon request.

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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.

## COLUMBIA COUNTY (FSR 215) Mt. Carrie Paving

### CONSTRUCTION STIPULATIONS

This Stipulation, made this 16 day of June, 2016, by and between Columbia County, hereinafter referred to as the County, and the Forest Service, United States Department of Agriculture, acting herein by and through the Forest Supervisor, hereinafter referred to as the Forest Supervisor.

WHEREAS, the County is engaged in the laying out, construction, operation, and maintenance of facilities for a public road designated as Mt. Carrie, which traverses lands of the United States in the State of Florida, County of Columbia, administered by the Forest Service and,

WHEREAS, the State and the Forest Supervisor desire to cooperate in the development and construction of a road that will protect adequately and afford adequate utilization of the lands of the United States traversed by the road for the purposes for which the lands are being administered.

The County shall:

WHEREAS, the County is engaged in the laying out, construction, operation and maintenance of a public road designated as Mt. Carrie, which traverses lands of the United States in the State of Florida, County of Columbia, administered by the Forest Service and,

NOW, THEREFORE, supplementary to the terms and conditions of the easement deed between the United States, acting through the Forest Supervisor and the County, the parties hereto agree to carry out the following provisions during the construction stage: (Construction stage begins when construction activities commence on lands administered by the Forest Service and ends upon final acceptance of the project as defined in the Standard Specifications for Road, Bridge, and Facilities Construction, EXCEPT, that the Forest Supervisor reserves the right to reinstate the provisions of this stipulation if the County subsequently submits plans for re-construction or alteration of the highway and Facilities).

The County will:

1. Before any clearing of the right-of-way or construction of the highway commences:
  - a. Prepare, in cooperation with the Forest Supervisor, a fire protection plan that sets forth in detail the fire prevention, pre-suppression, and suppression measures that will be taken by the State, its employees,

contractors, and subcontractors, and their employees in all operations during the construction stage. The fire plan shall be made available to all bidders prior to letting contract and the State shall cause its contractors to comply with all provisions of the fire plan and of all burning permits issued for disposal of flammable materials.

- b. Prepare, in cooperation with the Forest Service, a landscape, clearing and erosion control plan with the objective of protecting, restoring, or enhancing the roadside landscape, protecting soil, and protecting or re-establishing vegetative cover. Such plan shall, when appropriate, provide for vegetating cuts, fills, and other areas damaged as a result of highway construction; maintenance or operation; and for terraces, drainage, waste disposal areas, soil replacement, and other related requirements necessary to achieve the objective.
  - c. Erosion control will be installed by Columbia County/Contractor as appropriate for the project.
  - d. Prepare, in cooperation with the Forest Service, an equipment cleaning control plan to ensure that off-road equipment is free of noxious weeds. "Off-road equipment" includes all logging and construction machinery, except for log trucks, chip vans, service vehicles, water trucks, pickup trucks, cars, and similar vehicles. A current list of noxious weeds of concern to the Forest is available at the Forest Supervisor's Office.
2. Reestablish or restore public land monuments disturbed or destroyed by construction, reconstruction, or maintenance according to instructions of the Bureau of Land Management, Department of the Interior. Other land monuments and property corners or witness markers shall not be damaged, destroyed, or obliterated without the prior permission of the Forest Supervisor and shall be relocated or reestablished in accordance with standards satisfactory to the Forest Supervisor.
3. All construction will occur within the granted easement.

IN WITNESS WHEREOF, the parties hereto have caused this Stipulation to be executed on the day and year first above written.

Columbia County

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

Printed Name: KEVIN KIRBY

Title: Assistant County Manager

# **CLEARING PLAN**

for

## **Columbia County (FSR 215) Mt. Carrie Paving**

1. In order to facilitate the proper sale and removal of any merchantable timber within the project area, Columbia County will submit a clearing plan to the District Ranger, Osceola National Forest at least 5 weeks prior to commencement of construction . If merchantable timber is to be removed, Columbia County will flag or otherwise designate the clearing limits on the ground and the FS will mark the merchantable timber, determine the volume, appraise the value and advertise the timber for sale using a commercial timber sale contract. The timber sale closing date will be within 5 months of Columbia/Contractor submitting the clearing plan. No clearing or grubbing work will begin by Columbia/Contractor until all the timber sale contract requirements are completed and the sale is closed.
2. No topsoil will be removed from National Forest System Lands outside of existing easement unless it contains exotic weed species propagules.
3. Columbia County/Contractor is responsible for removal of all clearing and grubbing debris from National Forest System Lands.
4. All clearing and grubbing operations shall take place within the right-of-way easement.
5. All construction equipment will be operated within the clearing limits of the easement.
6. Columbia County/Contractor(s) will be responsible for the identification and removal of any Japanese climbing fern, or any other exotic weed species in the vicinity, so that caution can be taken to prevent the spread of these non-native species.
7. If any Gopher Tortoise or Gopher Tortoise burrows are located on the right-of-way, Columbia County/Contractor shall obtain the proper permits necessary to relocate these animals prior to right-of-way clearing.

# **FIRE PROTECTION PLAN**

For

## **Columbia County (FSR 215) Mt. Carrie Paving**

1. Columbia County/Contractor shall notify the Ranger in writing, prior to commencing work on the project, the name of his fire control representative.
2. COLUMBIA COUNTY/Contractor will obtain the required State permits before burning any material on forest land.
3. The COLUMBIA COUNTY/Contractor's representative will notify the Ranger of the time, date and place he intends to burn any brush, debris, or other material.
4. The Ranger can refuse permission for burning when, in his judgment, the fire danger conditions warrant.
5. COLUMBIA COUNTY/Contractor will have an attendant on duty at the location of the fire during all times that debris or other material is being burned.
6. All burning will be kept within the cleared area of the right-of-way.
7. COLUMBIA COUNTY/Contractor will take immediate steps to suppress all wild fires occurring as a result of his/her operations and will notify the Ranger of all such occurrences. If unable to suppress the fire, COLUMBIA COUNTY/Contractor will be responsible for payment of all fire suppression costs and damages attributed to such fires.
8. COLUMBIA COUNTY/Contractor will provide an electronic signing system that could be turned on when necessary to warn drivers of smoke on the road, fog, traffic delays, evacuation route messages and information to use alternate routes, etc. The signs will be maintained and controlled by the COLUMBIA COUNTY/Contractor and the FS would coordinate with them when a message is needed on the signs.

## **SAFETY**

for

### **Columbia County (FSR 215) Mt. Carrie Paving**

1. COLUMBIA COUNTY/Contractor shall place signs on all forest development roads in the area of construction that are open for public use advising the traveling public of the potential safety hazard.
2. Construction safety signs shall be installed and maintained in accordance with 'The Manual of Uniform Traffic Control Devices' for the duration of the construction period.

# LANDSCAPE AND EROSION CONTROL PLAN

For

## Columbia County (FSR 215) Mt. Carrie Paving

1. COLUMBIA COUNTY/Contractor shall take necessary measures to prevent and control soil erosion within the right-of-way and on adjacent lands that might be affected by construction, operation, or maintenance of the highway and related facilities; and shall revegetate, and keep revegetated, all areas of soil made bare by these activities, and shall constrain eroded material within the construction limits.
2. All work shall take place within the existing right-of-way easement.
3. Disturbed areas should be vegetated to prevent subsequent erosion by water.
4. If any mulch or straw is needed for erosion control or seed in it will be from a source that is certified free of invasive weeds or their seeds. The proof of certification may be required by the FS representative before straw can be placed on the forest for erosion control. (Hay is not allowed.)
5. COLUMBIA COUNTY/Contractor instructions concerning grass seeding and/or sodding and/or mulching for erosion control purposes are to include the following requirements: seed or sod application is to be limited to the disturbed area within project limits; only certified seed or sod is to be used; no exotic grass species are to be used; Argentine Bahiagrass is preferred; no straw mulch is to be used; hydro mulch with cellulose fiber is recommended to avoid noxious weed seed contamination. Only synthetic bales will be used.
6. If COLUMBIA COUNTY/Contractor needs to move or relocate the National Forest signs, they will be replaced with signs of the same design and materials, or approved by USFS designs if needed.

# **EQUIPMENT CLEANING CONTROL PLAN**

For

## **Columbia County (FSR 215) Mt. Carrie Paving**

1. COLUMBIA COUNTY/Contractor shall insure that prior to moving on to National Forest land all off-road equipment, which last operated on private land or in areas known by the Forest Service to be infested with specific noxious weeds, is free of soil, seeds, vegetative matter, or other debris that could contain or hold seeds.
2. COLUMBIA COUNTY/Contractor shall certify in writing that off-road equipment is free of noxious weed prior to each start-up of operations. Equipment shall be considered free of soil, seeds, and other such debris when a visual inspection does not disclose such material. Disassembly of equipment components or specialized inspection tools, is not necessary. When the FS is notified, a FS Representative will inspect equipment upon first moving onto the National Forest or after working in areas known by the FS to be infested with noxious weeds, as well as the Construction Contract.

## **STAGING /STORAGE AREAS**

for

### **Columbia County (FSR215) Mt. Carrie Paving**

Staging /storage areas will be identified by COLUMBIA COUNTY or their Consultant and approved by the FS. Only those staging/storage areas that have been identified and approved by jurisdictional agencies will be used during the construction phase of the project. These areas will be used as turning points, parking areas, and stockpiling areas. All staging /storage areas will be identified, along with wetland or potentially protected species/habitat restrictions, in the General Notes of the construction plan sheet

# ARCHAEOLOGICAL RESOURCES

For

**Columbia County (FSR 215) Mt. Carrie Paving**

**Unanticipated Discovery during Undertaking:** If during the course of any undertaking suspected cultural resources are inadvertently discovered, all actions in the immediate vicinity will stop and efforts will be made to protect the area from further impact. The District Archeologist or the project designated archeologist will be contacted to assess the find and determine what legal mandates are applicable, and whether mitigation and consultations are required.

## **NON-NATIVE**

**For**

### **Columbia County (FSR 215) Mt. Carrie Paving**

1. The Contractor shall survey for non-native invasive weed, prior to startup of project and remove from project area.
2. In the event that invasive plant species are found at the constuction site, the COLUMBIA COUNTY/Contractor will, upon completion of construction activities, notify the County of the invasive species found prior to construction so that future county maintenance can take necessary actions should the species reoccur in the project area .
3. If any mulch or straw is needed for erosion control or seeding it will be from a source that is certified free of invasive weeds and their seeds.

COMPONENTS OF CONTRACT PLANS SET  
ROADWAY PLANS  
SIGNING & PAVEMENT MARKINGS

A DETAILED INDEX APPEARS ON THE  
KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEYSHEET
2-3	ROADWAY TYPICALS
4-5	DETAILS
6	NOTES
7	SUMMARY OF DRAINAGE STRUCTURES
8	SUMMARY OF TURNOUTS
9	SUMMARY OF EARTHWORK
10-22	ROADWAY PLANS & PROFILES
23-76	ROADWAY CROSS SECTIONS
77	STORMWATER POLLUTION PREVENTION PLAN
78	TEMPORARY TRAFFIC CONTROL PLAN

GOVERNING STANDARDS AND SPECIFICATIONS:  
Florida Department of Transportation, 2016  
Design Standards and revised Index Drawings as  
appended herein, and JUL 2015  
Standard Specifications for Road and Bridge  
Construction, as amended by Contract Documents

For Design Standards click on the "Design  
Standards" link at the following web site:  
<http://www.dot.state.fl.us/rddesign/>

For the Standard Specifications for Road and  
Bridge Construction click on the "Specifications"  
link at the following web site:  
<http://www.dot.state.fl.us/specificationsoffice/>

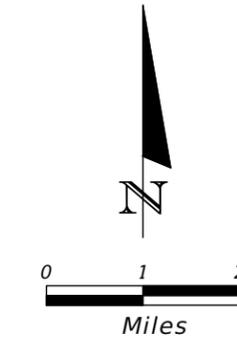
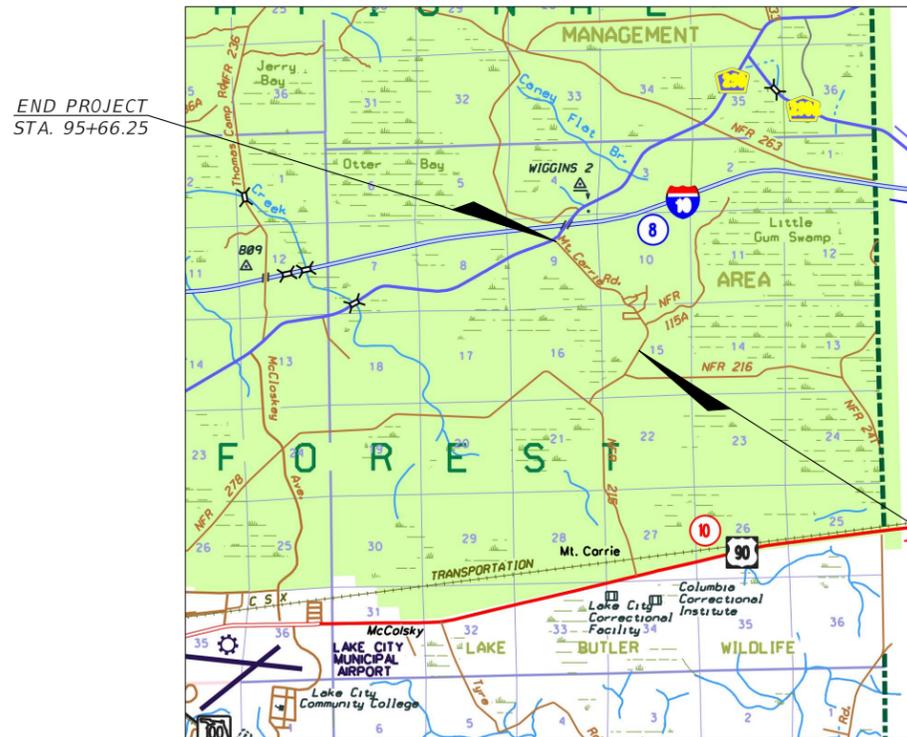
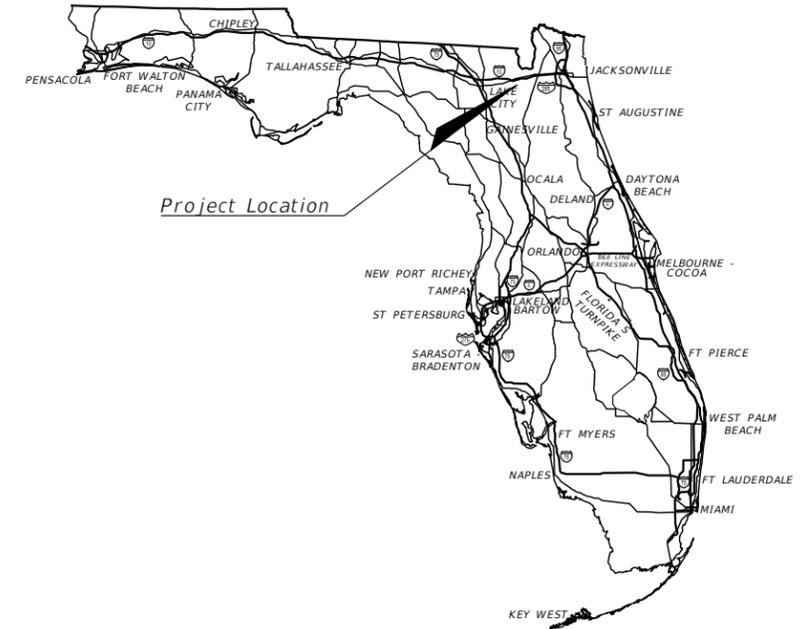
# CONTRACT PLANS

## MT. CARRIE ROAD

NFPS PROJECT ID L151106CCB

COLUMBIA COUNTY COUNTY, FLORIDA

### ROADWAY PLANS



ROADWAY PLANS SHOP DRAWINGS TO BE  
SUBMITTED TO:

NORTH FLORIDA PROFESSIONAL SERVICES  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056  
OFFICE: (386) 752-4675  
FAX: (386) 752-4674

PLANS PREPARED BY:

NORTH FLORIDA PROFESSIONAL SERVICES  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056  
OFFICE: (386) 752-4675  
FAX: (386) 752-4674

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

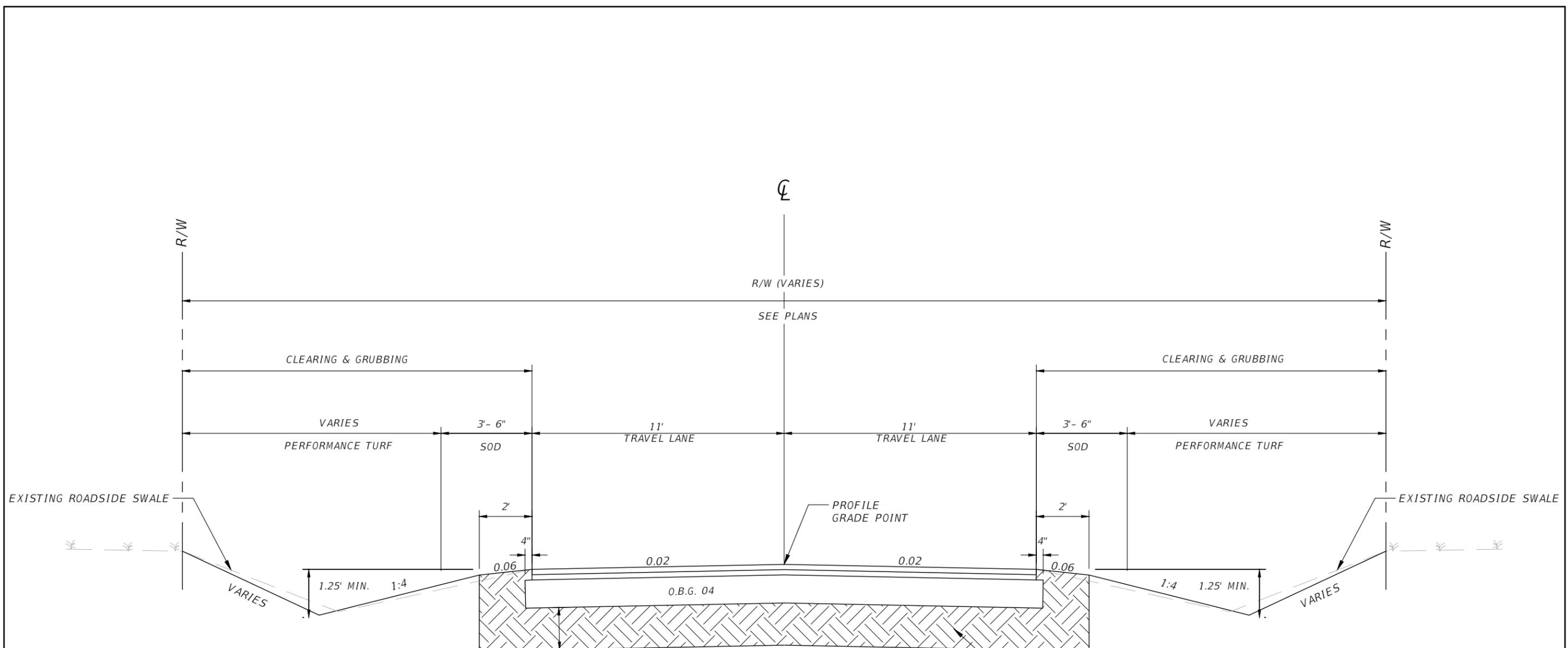
PROJECT LENGTH IS BASED ON  $\phi$  OF CONSTRUCTION

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	8,566.250	1.622
BRIDGES	0.000	0.000
NET LENGTH OF PROJECT	8,566.250	1.622
EXCEPTIONS	0.000	0.000
GROSS LENGTH OF PROJECT	8,566.250	1.622

ROADWAY PLANS  
ENGINEER OF RECORD: JAMES H. PITMAN

P.E. NO.: 42035

FISCAL YEAR	SHEET NO.
16	1



**TYPICAL SECTION 1**  
N.T.S.

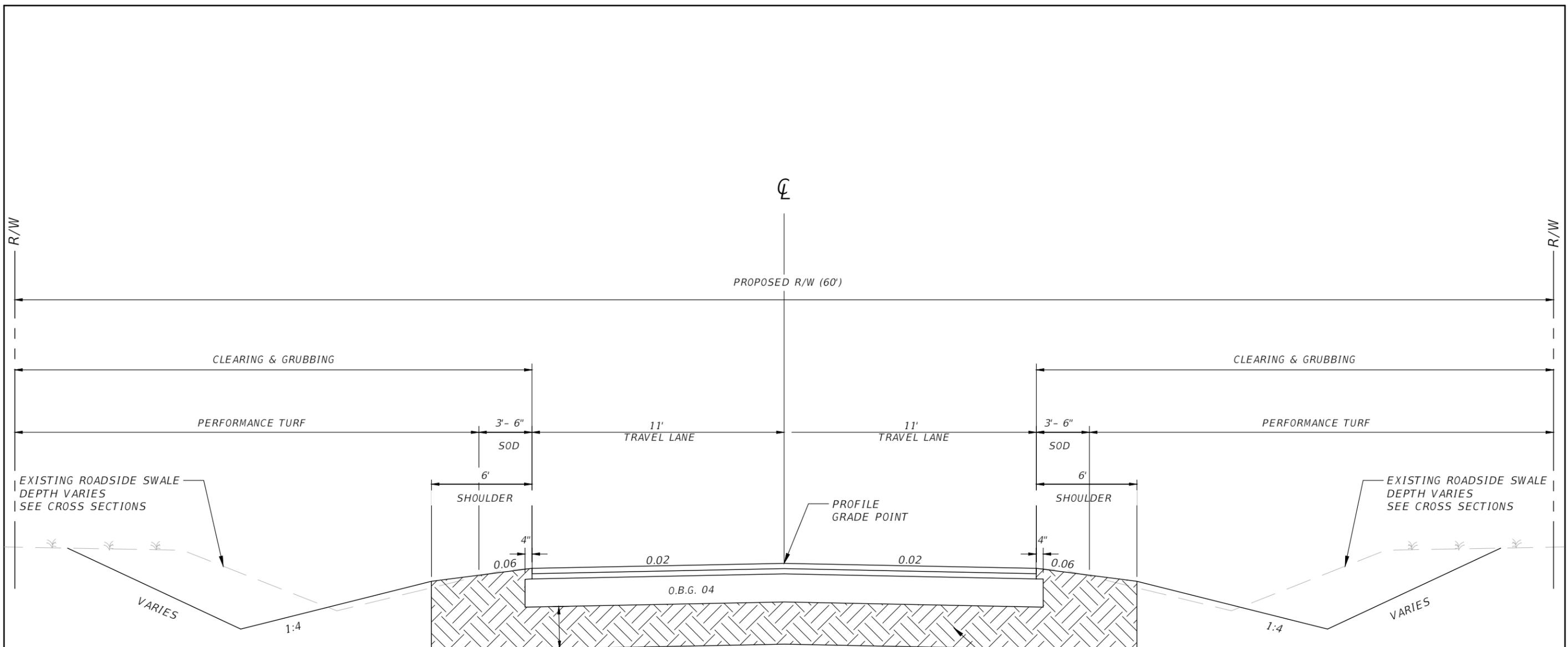
STA. 10+00 TO 34+40.00  
DESIGN SPEED = 30 MPH

OPTIONAL BASE GROUP 04 WITH  
TYPE SP 9.5 STRUCTURAL COURSE (TL-B) (1.0")  
TYPE SP 12.5 STRUCTURAL COURSE (TL-B) (1.5")

**NOTES:**

FINISH THE STABILIZED SUBGRADE SURFACE ELEVATION AND CROSS SLOPE IN ACCORDANCE WITH THIS PAVEMENT DESIGN AND THE PROPOSED PROFILE GRADE.  
MAINTAINED R/W IS VARIABLE AND UNDOCUMENTED.

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY TYPICAL	SHEET NO. 2
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



**TYPICAL SECTION 2**  
N.T.S.

STA. 34+40.00 TO 95+66.25  
DESIGN SPEED = 30 MPH

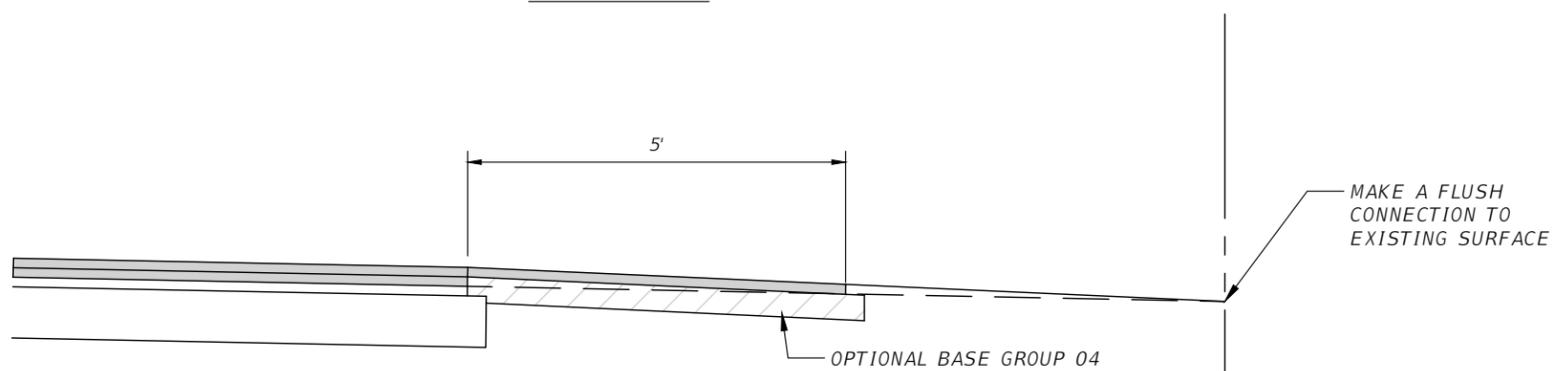
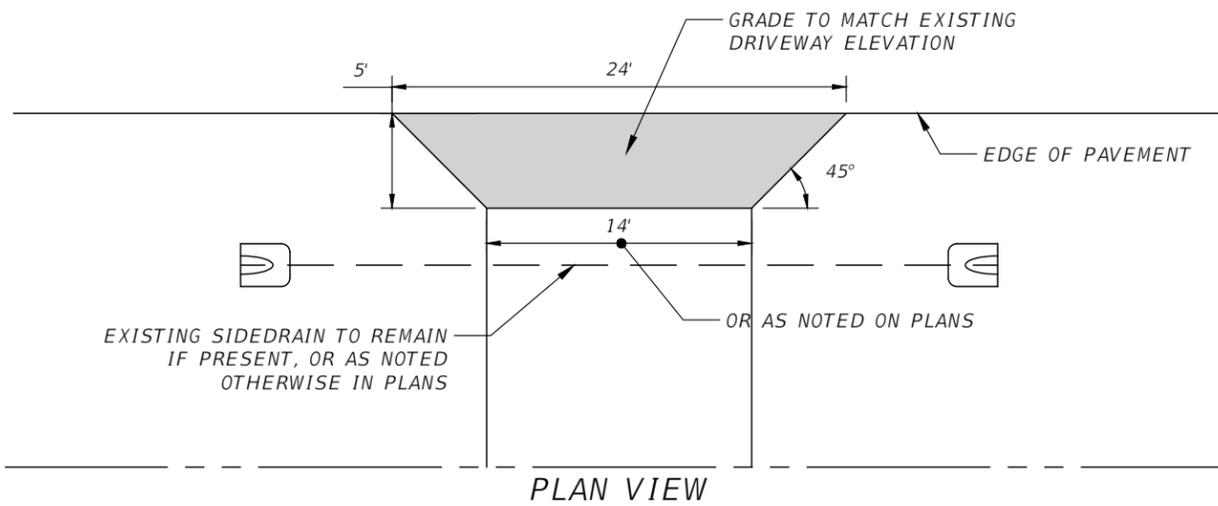
OPTIONAL BASE GROUP 04 WITH  
TYPE SP 9.5 STRUCTURAL COURSE (TL-B) (1.0")  
TYPE SP 12.5 STRUCTURAL COURSE (TL-B) (1.5")

STABILIZING ROADWAY  
AND SHOULDER (MIN. LBR 40)

**NOTES:**

FINISH THE STABILIZED SUBGRADE SURFACE ELEVATION  
AND CROSS SLOPE IN ACCORDANCE WITH THIS PAVEMENT  
DESIGN AND THE PROPOSED PROFILE GRADE.

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY TYPICAL	SHEET NO. 3
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		

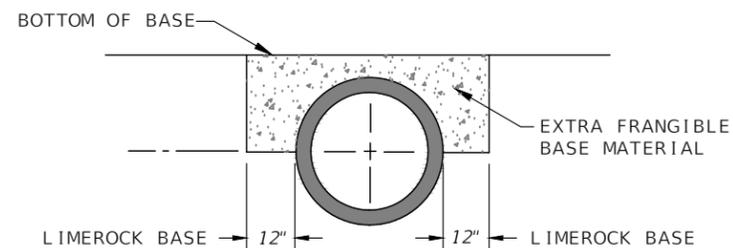


NOTES

1. IF EXISTING GROUND ELEVATIONS RESULT IN A TURNOUT GRADE THAT EXCEEDS 6%, HOLD THE 6% GRADE FOR 5' THEN BUILD A WEDGE CONNECTION WITH LIMEROCK OR RAP MATERIAL.
2. ALL MATERIAL AND WORK DONE TO COMPLETE DRIVEWAY IS TO BE PAID FOR UNDER TURNOUT CONSTRUCTION INCLUDING ASPHALT.

SECTION VIEW

OPTIONAL BASE GROUP 04 WITH  
TYPE SP 12.5 STRUCTURAL COURSE (TL-B) 1.5"



NOTES:

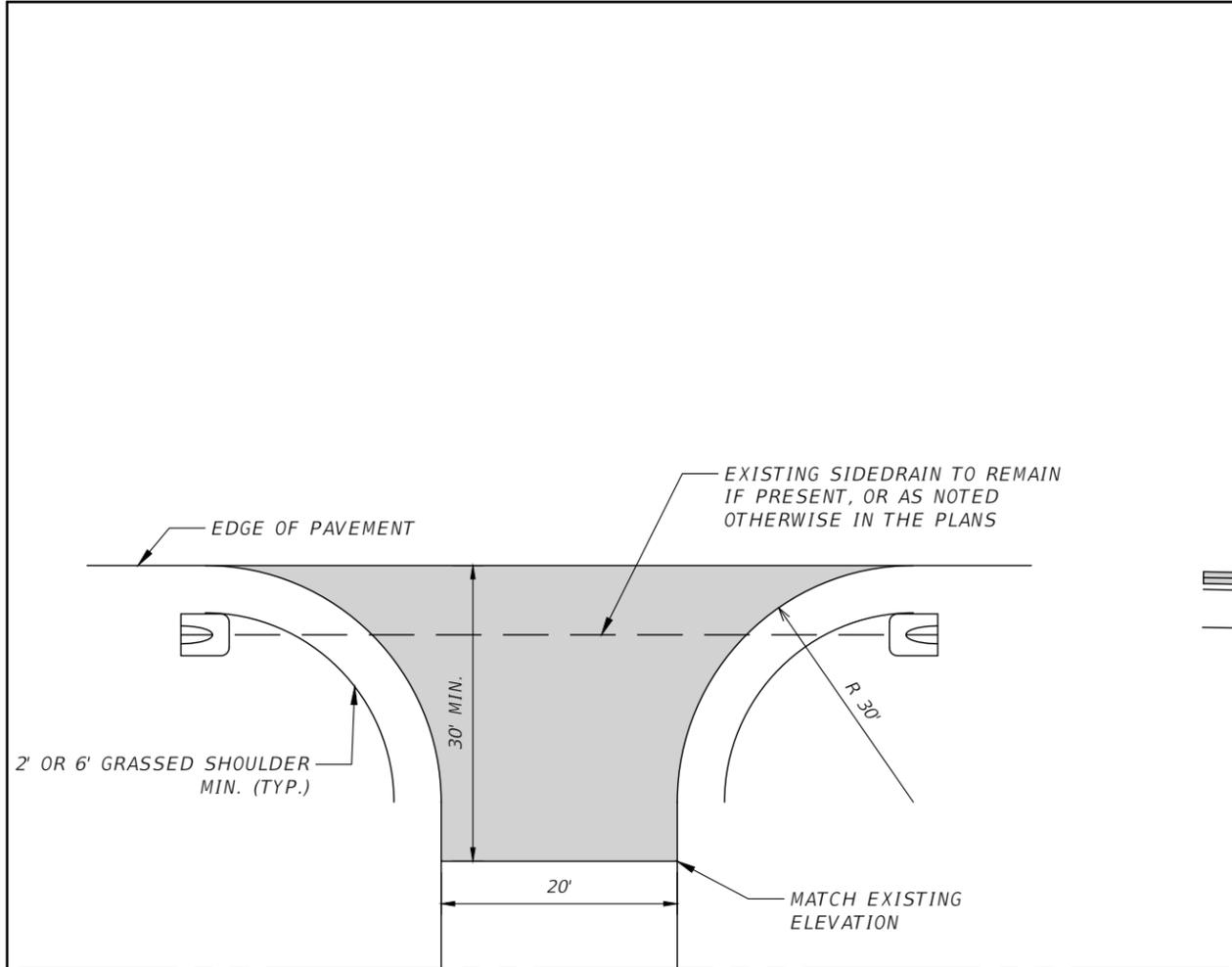
1. DETAIL APPLIES TO ALL CROSS DRAINS
2. FRANGIBLE BASE MATERIAL INCLUDED IN THE COST OF PIPE

2 EXTRA BASE FOR CULVERT UNDER FLEXIBLE PAVEMENT  
4 SCALE:N.T.S.

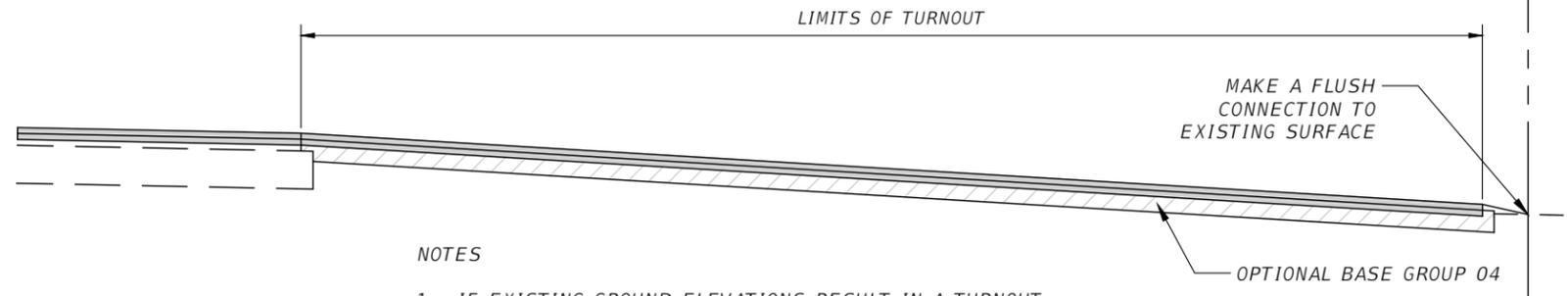
1 PRIVATE DRWY CON. FOR EX. UNPAVED DRWYS  
4 SCALE:N.T.S.

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			SHEET NO.  4
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER	
					01/16	COLUMBIA COUNTY	L151106CCB	

DETAILS



PLAN VIEW



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 DRIVEWAY IS TO BE PAID FOR UNDER TURNOUT CONSTRUCTION INCLUDING ASPHALT.

SECTION VIEW

OPTIONAL BASE GROUP 04 WITH  
 TYPE SP 9.5 STRUCTURAL COURSE (TL-B) 1.0"  
 TYPE SP 12.5 STRUCTURAL COURSE (TL-B) 1.5"

1 PAVED CON. TO EX. UNPAVED ROADS  
 5 SCALE:N.T.S.

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			DETAILS	SHEET NO. 5
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		

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 AND THE CITY OF LAKE CITY, FLORIDA (DEPARTMENT OF GROWTH MANAGEMENT) OF SUCH DIFFERENCES IMMEDIATELY AND PRIOR TO PROCEEDING WITH THE WORK.
2. THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS AS SET FORTH BY THE ISSUED SUWANNEE RIVER WATER MANAGEMENT DISTRICT DUSTY ROADS EXEMPTION PERMIT.
3. 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.
4. SURVEY INFORMATION SHOWN, WAS OBTAINED FROM A SURVEY PREPARED BY DONALD F. LEE & ASSOCIATES, FLORIDA CERTIFICATE NO. 7042.
5. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER.
6. THE SITE IS LOCATED IN SECTIONS 9,10,15,&16 TOWNSHIP 3 SOUTH, RANGE 18 EAST, COLUMBIA COUNTY, FLORIDA.
7. THE CONTRACTOR SHALL IMPLEMENT COMPONENTS OF THE 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.
8. ALL SLOPES 3:1 OR STEEPER SHALL BE SODDED AND ALL SLOPES STEEPER THAN 3:1 SHALL BE STAPLED SOD.
9. ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDDED 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.
10. 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.
11. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS WITHIN PROJECT AREA.
12. CONTRACTOR SHALL PROVIDE ACTUAL INVERT ELEVATIONS ON ALL DRAINAGE STRUCTURES, INCLUDING CULVERTS, PRIOR TO PLACING ANY BASE MATERIAL. DEVIATIONS FROM THE PLANS SHALL BE APPROVED BY THE ENGINEER BEFORE CONTINUING WORK.
13. ALL WETLAND BUFFERS SHALL BE PERMANENTLY MONUMENTED ACCORDING TO THE REQUIREMENTS AS ESTABLISHED IN CHAPTER 61G17-6, F.A.C. PRIOR TO COMMENCEMENT OF ROAD CONSTRUCTION OR THE SALE OF ANY LOT, WHICHEVER COMES FIRST.
14. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THE F.D.O.T. DESIGN STANDARDS (CURRENT EDITION) UNLESS OTHERWISE NOTED.
15. IF UNSUITABLE MATERIAL IS ENCOUNTERED DURING GRADING, CONTRACTOR SHALL REMOVE IN ACCORDANCE WITH F.D.O.T. DESIGN STANDARDS INDEX 500.

16. THE CONTRACTOR SHALL SUBMIT A NOTICE OF CONSTRUCTION COMMENCEMENT TO THE WATER MANAGEMENT DISTRICT AT LEAST 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.
  17. NO WORK SHALL BE PERFORMED ON SATURDAY, SUNDAY, OR COUNTY RECOGNIZED HOLIDAYS WITHOUT A WRITTEN APPROVAL FORM FROM THE COUNTY AND COUNTY ENGINEER.
  18. CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY MEETING THE REQUIREMENTS OF CHAPTER 61G17 F.A.C. FOR THE STORMWATER MANAGEMENT SYSTEMS. INCLUDE HORIZONTAL AND VERTICAL DIMENSIONAL DATA SO THAT IMPROVEMENTS ARE LOCATED AND DELINEATED RELATIVE TO THE BOUNDARY. PROVIDE SUFFICIENT DETAILED DATA TO DETERMINE WHETHER THE IMPROVEMENTS WERE CONSTRUCTED IN ACCORDANCE WITH THE PLANS. SUBMIT THE SURVEY TO THE ENGINEER ON REPRODUCIBLE 20LB. VELLUM. A COPY OF THE AS-BUILT PLANS (IN PAPER AND DIGITAL AUTOCAD FORMAT) MUST BE SUBMITTED TO THE SUWANNEE COUNTY COMMISSIONER ) AND THE ENGINEER.
  19. 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.
  20. IF DURING CONSTRUCTION OR OPERATION OF THE STORM WATER MANAGEMENT SYSTEM, A STRUCTURAL FAILURE IS OBSERVED THAT HAS THE POTENTIAL TO CAUSE THE DIRECT DISCHARGE OF SURFACE WATER INTO THE FLORIDIAN AQUIFER SYSTEM, CORRECTIVE ACTIONS DESIGNED OR APPROVED BY A REGISTERED PROFESSIONAL SHALL BE TAKEN AS SOON AS PRACTICAL TO CORRECT THE FAILURE. A REPORT PREPARED BY A REGISTERED PROFESSIONAL MUST BE PROVIDED AS SOON AS PRACTICAL TO THE DEPARTMENT FOR REVIEW AND APPROVAL THAT PROVIDES REASONABLE ASSURANCE THAT THE BREACH WILL BE PERMANENTLY CORRECTED.
  21. CONTRACTOR SHALL MAINTAIN MAILBOXES DURING CONSTRUCTION. ALL MAILBOXES SHALL BE RELOCATED.
  22. CONTRACTOR SHALL CONTACT 811 OR 1-800-432-4770 AT LEAST 2 BUSINESS DAYS BEFORE BEGINNING CONSTRUCTION.
  23. CONTACT PHONE NUMBERS  
AT&T 1-877-737-2478  
POWER COMPANY 1-386-754-2020  
SUWANNEE COUNTY 1-386-362-3992
  24. THE CONTRACTOR SHALL DELINEATE THE  $\bar{c}$  OF THE LIMEROCK WITH RPM'S ONCE FINISHED GRADE HAS BEEN OBTAINED.
  25. ALL TREES ON FOREST SERVICE PROPERTY THAT HAVE BEEN PREVIOUSLY FLAGGED AND APPROVED FOR REMOVAL SHALL BE FELLED AND BUCKED INTO SIX FOOT LENGTHS MAXIMUM. THE TOPS AND CUT WOOD CAN BE PUSHED BACK INTO WOODS OUT OF THE WAY OF CONSTRUCTION. CONTRACTOR SHALL USE CARE AND CAUTION TO NOT DAMAGE OTHER PINE TREES DURING REMOVAL.
  26. IF ANY ARTIFACTS OR HISTORICALLY SIGNIFICANT ITEMS ARE UNCOVERED DURING CONSTRUCTION, THE CONTRACTOR SHALL STOP ALL WORK IN THE AREA OF CONCERN AND CONTACT CLAY COLEMAN AT THE FOREST SERVICE, 1-386-752-2577.
- ROADWAY CONSTRUCTION REQUIREMENTS
1. THE ROADWAY CONSTRUCTION PLANS MUST BE REVIEWED AND APPROVED PRIOR TO COMMENCING CONSTRUCTION.
  2. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION.
  3. A TESTING LABORATORY RETAINED BY THE CONTRACTOR SHALL CERTIFY THE MATERIALS AND CONSTRUCTION. COPIES OF ALL TEST RESULTS SHALL BE PROVIDED PRIOR TO ACCEPTANCE.

4. ALL TRAFFIC CONTROL AND SAFETY ITEMS (STRIPPING, STOP BARS, REGULATORY SIGNS, ETC.) SHALL BE IN PLACE.
5. THE TEMPORARY GRASS SHALL BE SUFFICIENT TO CONTROL EROSION.
6. FINAL INSPECTION FOR ACCEPTANCE TO BE PERFORMED BY COUNTY ENGINEER, COUNTY PUBLIC WORKS DIRECTOR, AND COUNTY COMMISSIONER (SHOULD HE/SHE DESIRE TO ATTEND).

INSPECTION BY COUNTY REPRESENTATIVE

1. COMPLETION OF CLEARING AND GRUBBING. VISUAL ONLY - NO TEST REQUIREMENTS.
2. ROUGH GRADE AND DRAINAGE STRUCTURES IN PLACE. TEST RESULTS - LBR - PIPE BACKFILL DENSITY.
3. SUBGRADE COMPLETE. TEST RESULTS - DENSITY.
4. LIMEROCK PLACE AND FINISHED. TEST RESULTS - THICKNESS. CROSS SECTION AND DENSITY.
5. ASPHALT CONCRETE IN PLACE. TEST RESULTS - THICKNESS AND DENSITY.
6. FINAL INSPECTION.

PAY ITEM NOTES

- 0102010000-MAINTENANCE OF TRAFFIC- INCLUDES ALL ELEMENTS REQUIRED FOR THE TRAFFIC CONTROL PLAN, CONSTRUCTION STAKEOUT, AND INCLUDES TEMPORARY CENTERLINE DELINEATION AND STOP BARS PLACED AT ALL NON-WORKING TIMES.
- 0104010030-SEDIMENT BARRIER- INCLUDES HAY BALES, STAKED SILT FENCE, AND OTHER ITEMS NECESSARY TO MINIMIZE EROSION AND PREVENT SEDIMENT FROM LEAVING THE PROJECT LIMITS AS DIRECTED BY THE ENGINEER.
- 0110010100-CLEARING AND GRUBBING- INCLUDES REMOVAL OF ALL PAVEMENT, PIPE, VEGETATION, OR ANY OTHER DEMOLITION REQUIRED FOR THE PROJECT.
- 0120071000-REGULAR EXCAVATION (3-R PROJECTS ONLY)- INCLUDES ALL EARTH MOVING ACTIVITIES NECESSARY FOR CONSTRUCTION OF THE PROJECT INCLUDING THE CULVERT REMOVAL AND TREE REMOVAL.
- 0160010000 - COMMERCIAL STABILIZING MATERIAL - APPLY 2" OF MATERIAL AS NEEDED TO MEET LBR. MAY BE INCREASED, DECREASED OR OMITTED.
- 0160040000 - STABILIZING (ROADWAY AND SHOULDER)-INCLUDES MIXING, COMPACTING AND MEETING LBR REQUIREMENTS.
- 0120020200-BORROW EXCAVATION, TRUCK MEASURE- TO BE USED AT DIRECTION OF ENGINEER. QUANTITY MAY BE INCREASED, DECREASED OR OMITTED.
- 0286010000-TURNOUT CONSTRUCTION- INCLUDES THE EXCAVATION, COMPACTION OF SUBGRADE, BASE MATERIAL, BASE CONSTRUCTION AND ASPHALT PAVEMENT FOR ALL TURNOUTS.
- 0570010100-PERFORMANCE TURF- INCLUDES ALL AREAS DISTURBED AND NOT SODDED.
- 0700020011-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.
- 0710090000-PAINTED PAVEMENT MARKINGS- ALL PERMANENT PAINTED PAVEMENT MARKINGS SHALL RECEIVE TWO APPLICATIONS OF PAINT: THE FIRST APPLICATION SHALL OCCUR AS SOON AS POSSIBLE AFTER THE FINAL SURFACE IS PLACED AND THE FINAL APPLICATION SHALL BE PLACED 14 DAYS LATER. INCLUDES ALL PAVEMENT MARKINGS WITHIN PROJECT LIMITS.

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			NOTES	SHEET NO.  6
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		

SUMMARY OF CROSS DRAINS & MITERED END SECTIONS

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	DIA.	PIPE LENGTH	MES	END WALL	CLASS I CONC.	REIN. STEEL	REMARKS
					IN	LF	EA	EA	CY	LBS	
P	1-2	18+11.52	LR	MES, PIPE	24	40.0	2				CONCRETE PIPE
F											
P	3-4	22+57.75	LR	MES, PIPE	24	40.0	2				CONCRETE PIPE
F											
P	5-6	32+38.70	LR	MES, PIPE	24	40.0	2				CONCRETE PIPE
F											
P	7-8	33+86.72	LR	MES, PIPE	18	40.0	2				CONCRETE PIPE
F											
P	9-10	40+40.78	LR	MES, PIPE	18	48.0	2				CONCRETE PIPE
F											
P	11-12	45+16.16	LR	MES, PIPE	24	48.0	2				CONCRETE PIPE
F											
P	13-14	51+12.91	LR	MES, PIPE	24	40.0	2				CONCRETE PIPE
F											
P	15-16	73+48.63	LR	MES, PIPE	24	40.0	2				CONCRETE PIPE
F											
P	17-18	89+62.29	LR	MES, PIPE	18	40.0	2				CONCRETE PIPE
F											
P	19-20	95+32.16 TO 95+42.63	LR	MES, PIPE	24	72.0	2				CONCRETE PIPE
F											
P											
F											
SUBTOTALS				PLAN QUANTITY		448.0	20				
				FINAL QUANTITY		448.0	20				

SUMMARY OF SIDE DRAINS & MITERED END SECTIONS

LOCATION	STR. NO	SIDE	DIM.	PIPE LENGTH	MES	DESIGN NOTES	CONSTRUCTION REMARKS
			IN	LF	EA		
			CENTER OF DRIVE				
11+75.66	S-23 & 24	RT	12 X 18	24.0	2		
12+53.11	S-25 & 26	LT	12 X 18	24.0	2		
13+16.41	S-27 & 28	RT	12 X 18	30.0	2		
16+22.46	S-31 & 32	LT	12 X 18	24.0	2		
16+37.82	S-29 & 30	RT	18	54.0	2		
20+76.68	S-33 & 34	RT	12 X 18	60.0	2		
20+80.04	S-35 & 36	LT	12 X 18	24.0	2		
25+44.54	S-37 & 38	LT	18	51.0	2		
27+64.51	S-39 & 40	LT	18	24.0	2		
27+64.41	S-41 & 42	RT	12 X 18	24.0	2		
28+80.58	S-43 & 44	LT	18	24.0	2		
29+22.23	S-45 & 46	RT	12 X 18	62.0	2		
29+39.02	S-47 & 48	LT	18	51.0	2		
30+35.55	S-49 & 50	LT	18	24.0	2		
34+94.03	S-51 & 52	RT	18	24.0	2		
36+30.32	S-53 & 54	RT	18	48.0	2		
37+98.58	S-55 & 56	RT	12 X 18	24.0	2		
38+99.85	S-57 & 58	LT	18	24.0	2		
40+85.75	S-59 & 60	RT	18	54.0	2		
43+32.71	S-61 & 62	RT	18	24.0	2		
46+02.43	S-63 & 64	LT	18	24.0	2		
48+01.27	S-65 & 66	RT	18	24.0	2		
67+51.13	S-67 & 68	LT	18	24.0	2		
67+57.85	S-69 & 70	RT	18	24.0	2		
77+92.09	S-71 & 72	RT	18	24.0	2		
81+14.83	S-73 & 74	LT	18	24.0	2		
SUB-TOTAL					842.0	52	
PLAN TOTAL					842.0	52	
TOTAL					842.0	52	

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674		MT. CARRIE ROAD		SUMMARY OF DRAINAGE STRUCTURES		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			DATE	COUNTY			
						01/16	COLUMBIA COUNTY			L151106CCB

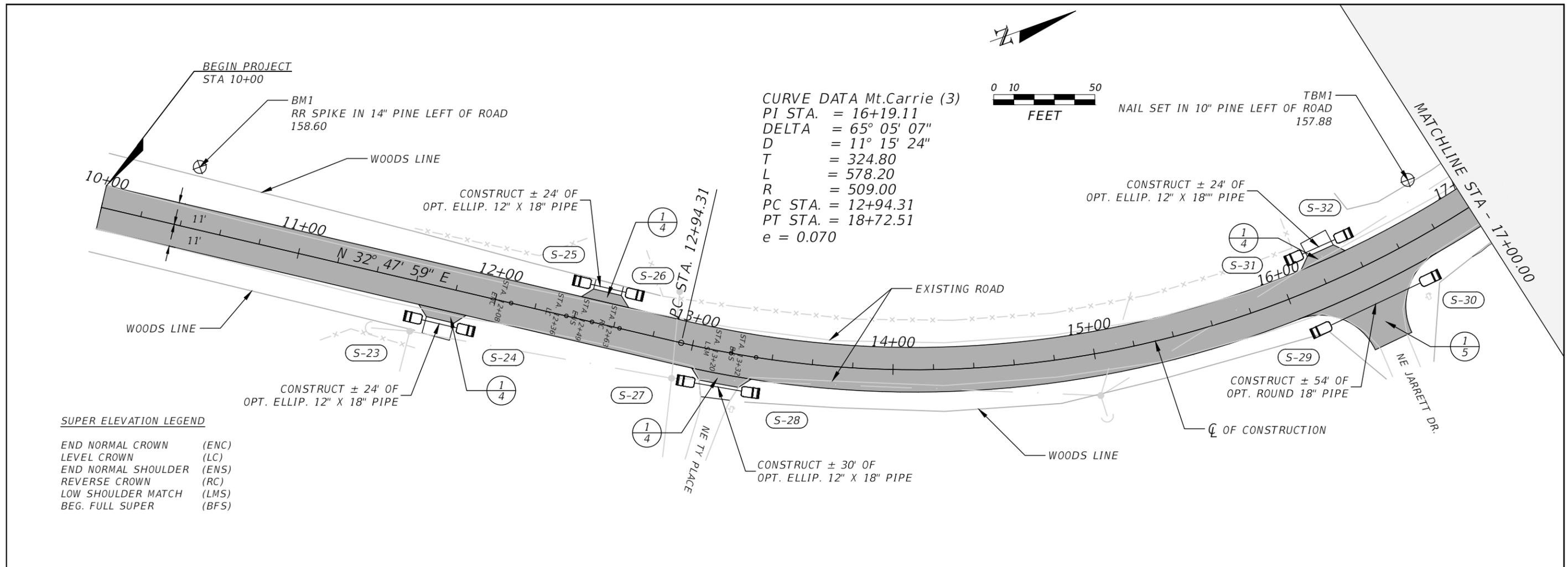
SUMMARY OF TURNOUTS							
LOCATION CENTER OF TURNOUT STA.	SIDE	0286 1		0334 1 12		DESIGN NOTES	CONSTRUCTION REMARKS
		SY		TN			
		P	F	P	F		
11+75.66	RT	22.2		0.87			
12+53.11	LT	18.1		0.87			
13+16.41	RT	26.0		1.14			
16+22.46	LT	22.3		0.87			
16+37.82	RT	101.2		13.90			
20+76.68	RT	109.5		15.06			
20+80.04	LT	28.6		0.87			
23+55.21	LT	17.7		0.87			
25+44.54	LT	189.2		26.00			
27+64.50	RT	31.2		0.87			
27+64.51	LT	26.7		0.87			
28+80.58	LT	26.3		0.87			
29+22.23	RT	109.6		15.07			
29+39.02	LT	193.4		26.58			
30+35.55	LT	32.5		0.87			
34+94.03	RT	32.3		0.87			
36+30.32	RT	87.1		12.00			
37+98.58	RT	29.5		0.87			
38+99.85	LT	35.9		0.87			
40+85.75	RT	109.6		15.06			
43+32.71	RT	33.0		0.87			
46+02.43	LT	32.3		0.87			
48+01.27	RT	39.7		0.87			
67+51.13	LT	40.7		0.87			
67+57.85	RT	32.3		0.87			
77+92.09	RT	32.3		0.87			
81+14.83	LT	40.0		0.87			
	SUB-TOTAL:	1499.2					
	TOTAL:	1499					

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			SUMMARY OF TURNOUTS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		8

**SUMMARY OF EARTHWORK**

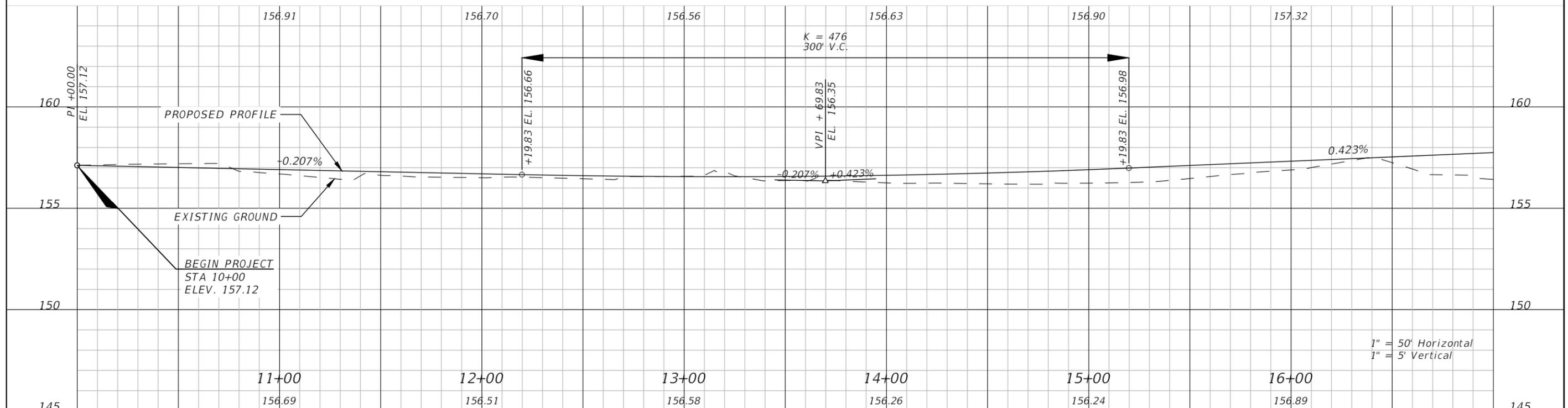
PAY ITEM NO.	PAY ITEM DESCRIPTION	CY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0120 71	REGULAR EXCAVATION (3-R PROJECTS ONLY)	3776			
	FILL FROM CROSS SECTIONS	9771			
	MATERIAL AVAILABLE FROM REGULAR EXCAVATION	-2266			
	SUBTOTAL	7505			
	LOSS FROM CLEARING & GRUBBING (3" AVG.)	2637			
	SUBTOTAL	10142			
	FILL ADJUSTMENT (25%)	2536			
	SUBTOTAL	12678			
	TRUCK ADJUSTMENT (10%)	1268			
0120 2 2	TOTAL BORROW EXCAVATION	13946			

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			SUMMARY OF EARTHWORK	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		9



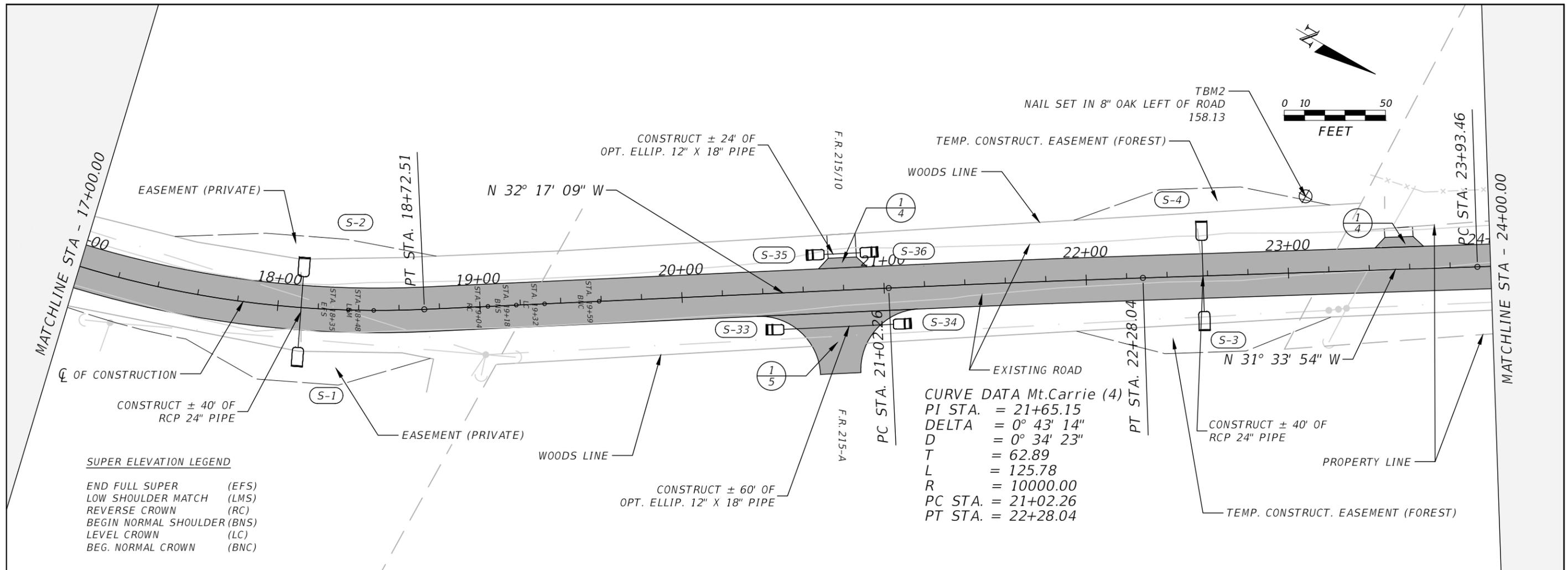
**SUPER ELEVATION LEGEND**

- END NORMAL CROWN (ENC)
- LEVEL CROWN (LC)
- END NORMAL SHOULDER (ENS)
- REVERSE CROWN (RC)
- LOW SHOULDER MATCH (LMS)
- BEG. FULL SUPER (BFS)



DATE		DESCRIPTION		REVISIONS		NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			SHEET NO.  10
DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER	
							01/16	COLUMBIA COUNTY	L151106CCB	

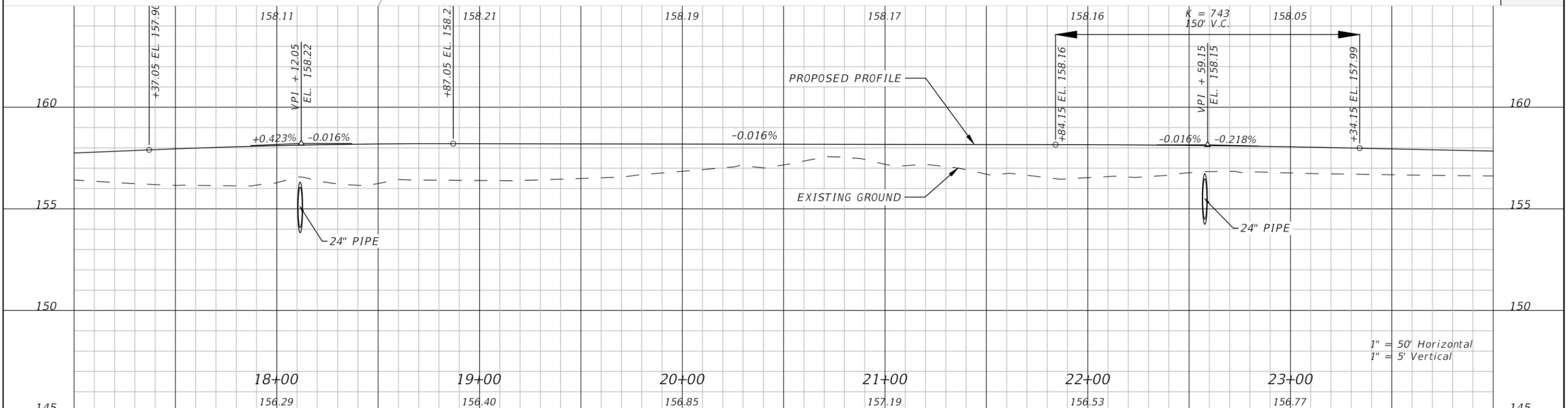
**ROADWAY PLAN & PROFILE**



**SUPER ELEVATION LEGEND**

- END FULL SUPER (EFS)
- LOW SHOULDER MATCH (LMS)
- REVERSE CROWN (RC)
- BEGIN NORMAL SHOULDER (BNS)
- LEVEL CROWN (LC)
- BEG. NORMAL CROWN (BNC)

**CURVE DATA Mt. Carrie (4)**  
 PI STA. = 21+65.15  
 DELTA = 0° 43' 14"  
 D = 0° 34' 23"  
 T = 62.89  
 L = 125.78  
 R = 10000.00  
 PC STA. = 21+02.26  
 PT STA. = 22+28.04



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DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		

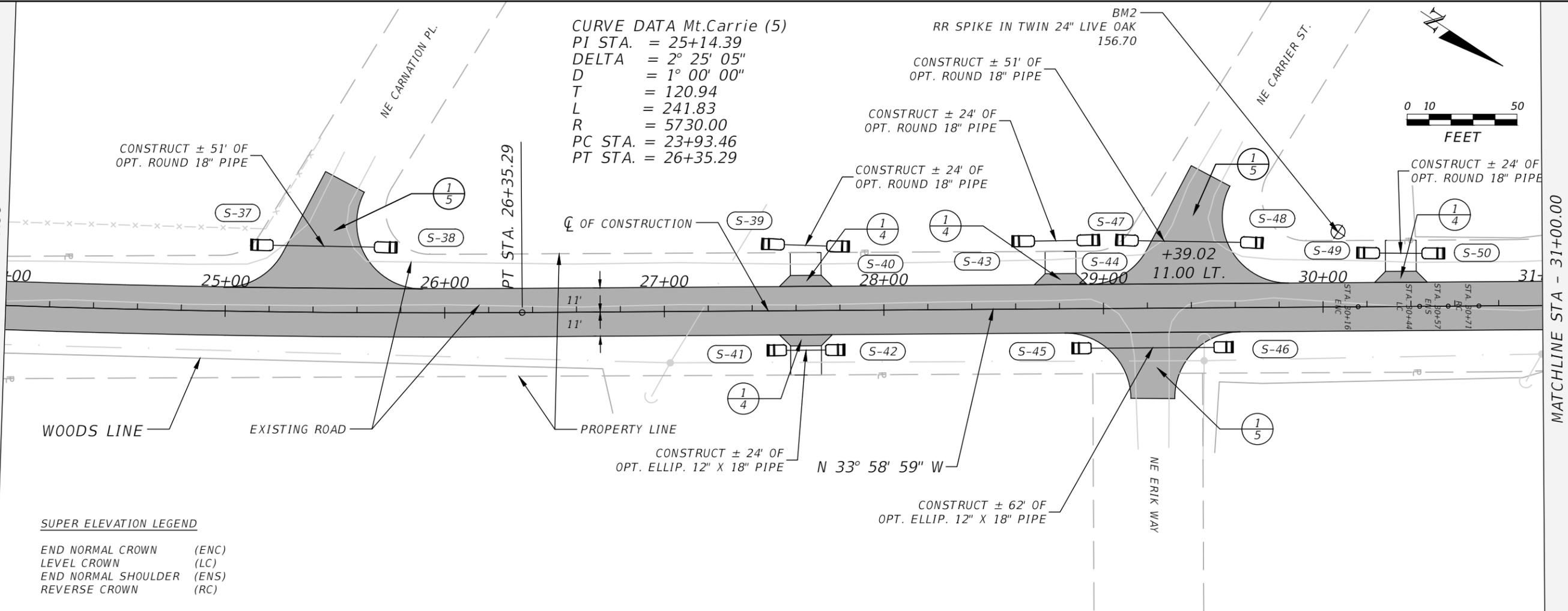
**CURVE DATA Mt. Carrie (5)**  
 PI STA. = 25+14.39  
 DELTA = 2° 25' 05"  
 D = 1° 00' 00"  
 T = 120.94  
 L = 241.83  
 R = 5730.00  
 PC STA. = 23+93.46  
 PT STA. = 26+35.29

RR SPIKE IN TWIN 24" LIVE OAK  
 BM2 156.70



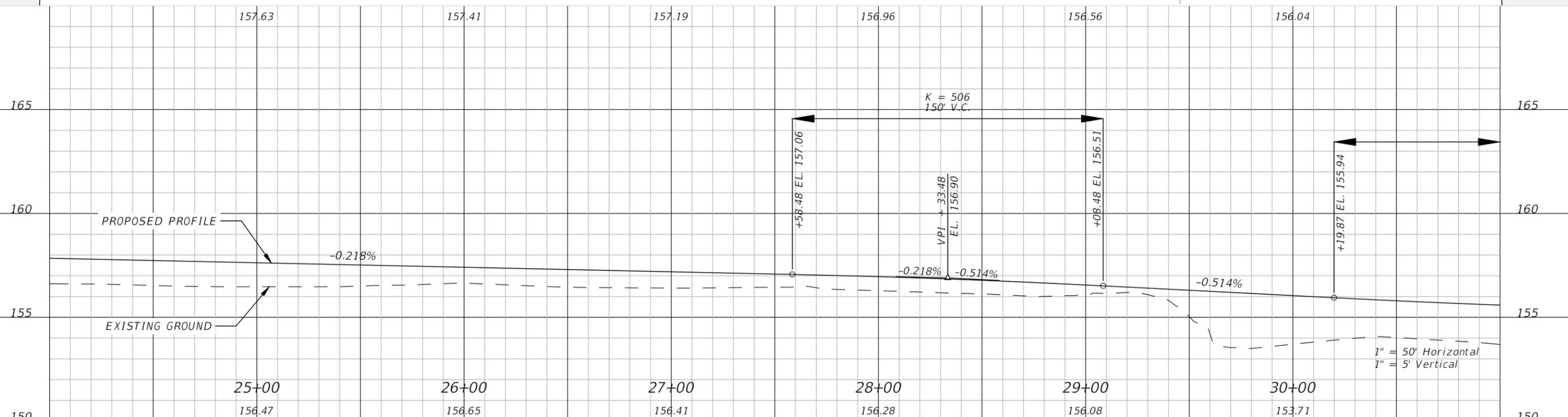
MATCHLINE STA - 24+00.00

MATCHLINE STA - 31+00.00



**SUPER ELEVATION LEGEND**

- END NORMAL CROWN (ENC)
- LEVEL CROWN (LC)
- END NORMAL SHOULDER (ENS)
- REVERSE CROWN (RC)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

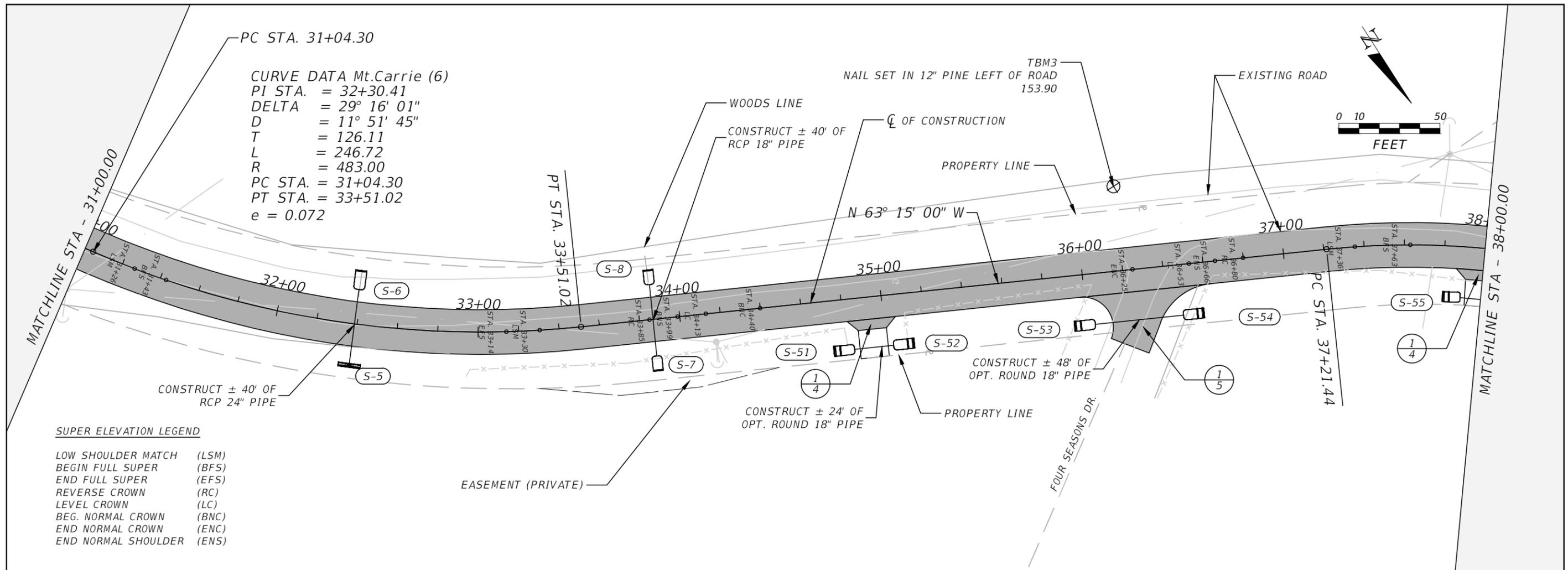
**NORTH FLORIDA PROFESSIONAL SERVICES, INC.**  
 P.O. BOX 2823  
 LAKE CITY, FLORIDA 32056  
 PH 386-752-4675 FAX 386-752-4674

**MT. CARRIE ROAD**

DATE	COUNTY	PROJECT ID NUMBER
01/16	COLUMBIA COUNTY	L151106CCB

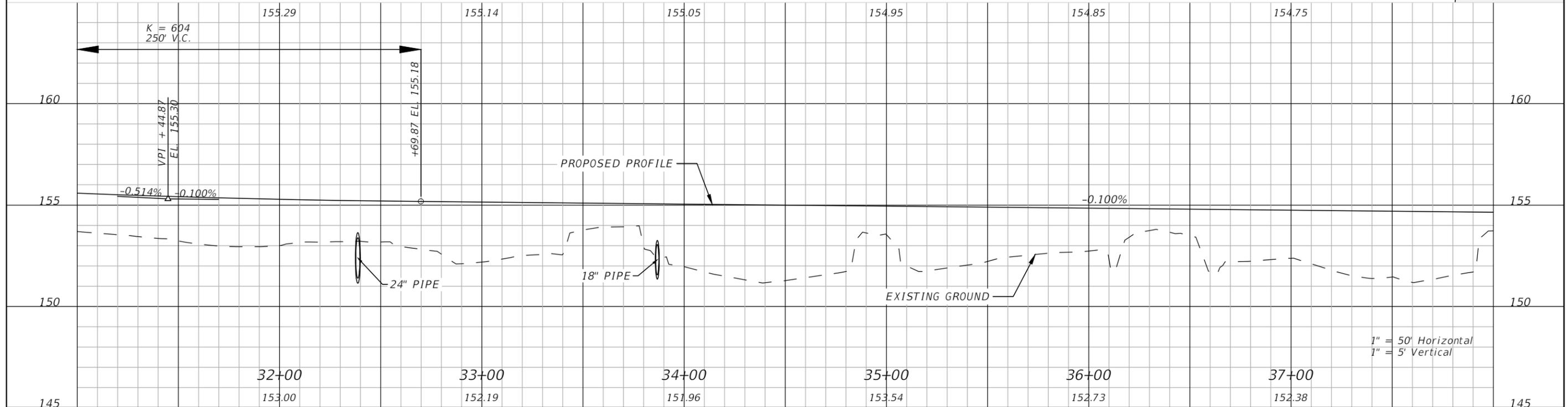
**ROADWAY PLAN & PROFILE**

SHEET NO. 12

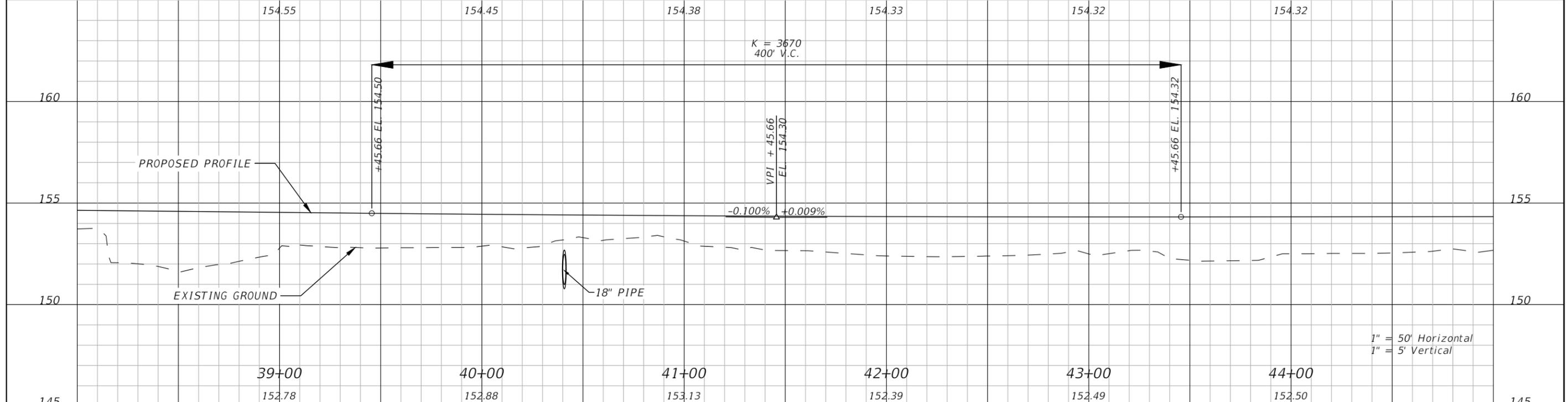
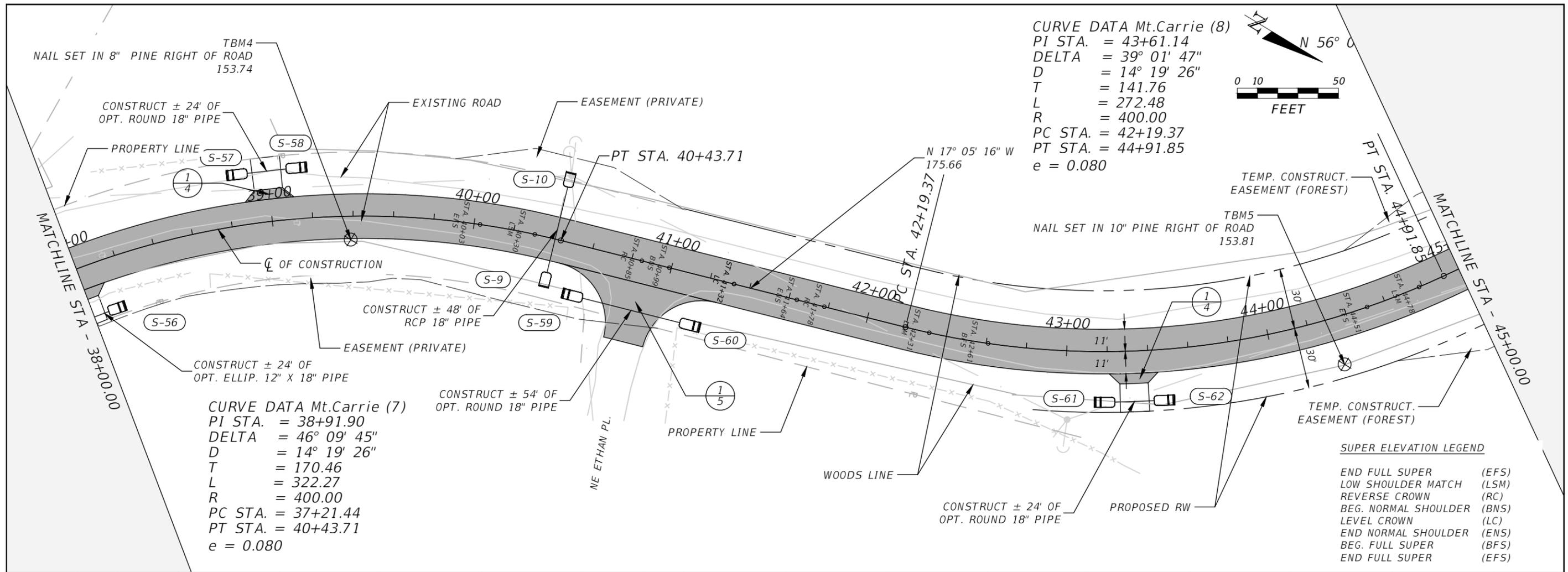


**SUPER ELEVATION LEGEND**

LOW SHOULDER MATCH	(LSM)
BEGIN FULL SUPER	(BFS)
END FULL SUPER	(EFS)
REVERSE CROWN	(RC)
LEVEL CROWN	(LC)
BEG. NORMAL CROWN	(BNC)
END NORMAL CROWN	(ENC)
END NORMAL SHOULDER	(ENS)

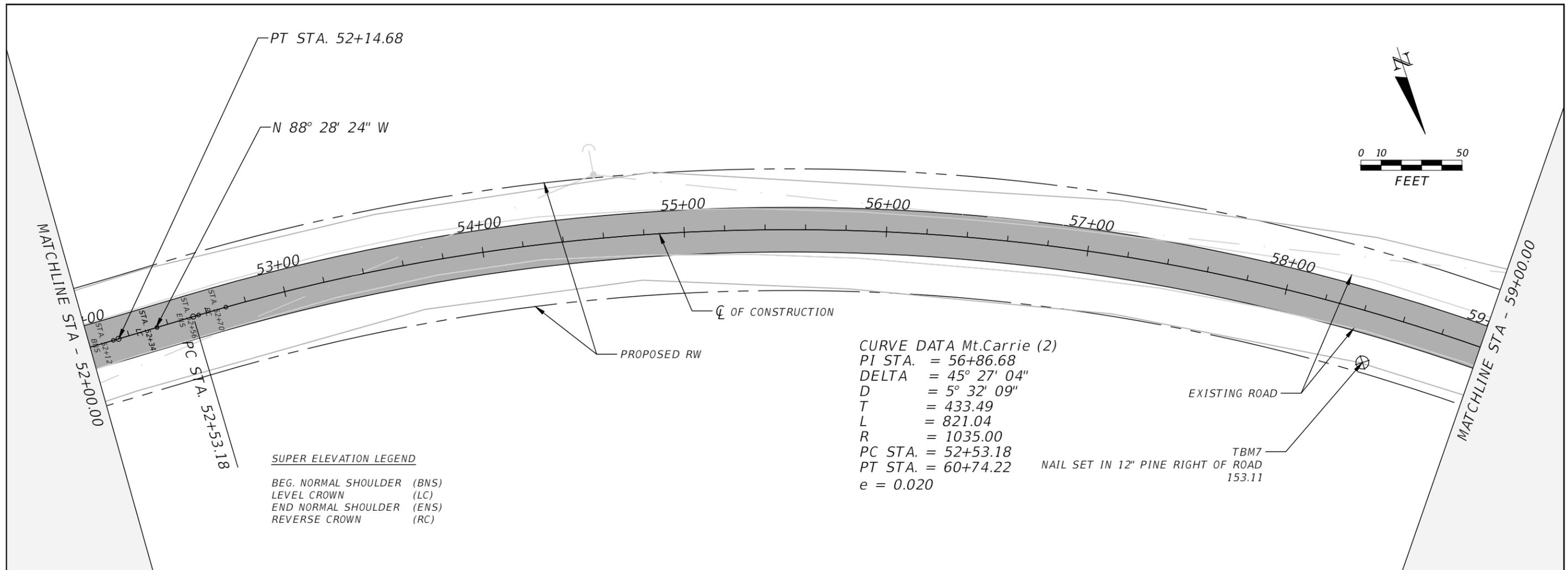


REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY PLAN & PROFILE	SHEET NO. 13
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



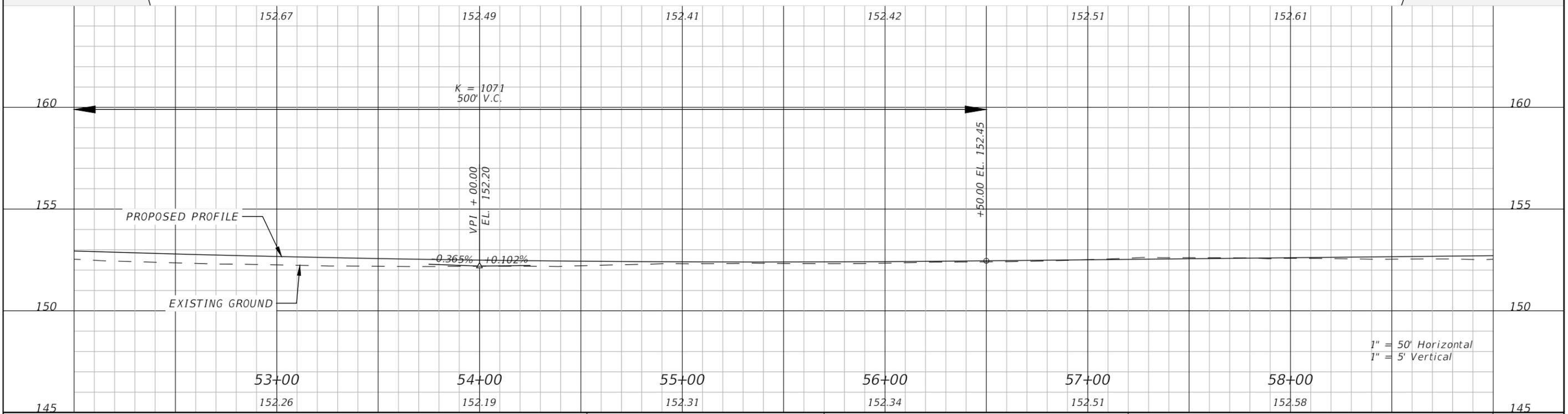
REVISIONS		DESCRIPTION		NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY PLAN & PROFILE	SHEET NO. 14
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		





**CURVE DATA Mt. Carrie (2)**  
 PI STA. = 56+86.68  
 DELTA = 45° 27' 04"  
 D = 5° 32' 09"  
 T = 433.49  
 L = 821.04  
 R = 1035.00  
 PC STA. = 52+53.18  
 PT STA. = 60+74.22  
 e = 0.020

**SUPER ELEVATION LEGEND**  
 BEG. NORMAL SHOULDER (BNS)  
 LEVEL CROWN (LC)  
 END NORMAL SHOULDER (ENS)  
 REVERSE CROWN (RC)



1" = 50' Horizontal  
 1" = 5' Vertical

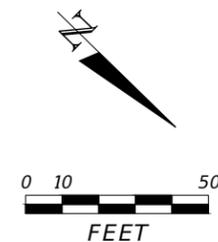
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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MT. CARRIE ROAD		
DATE	COUNTY	PROJECT ID NUMBER
01/16	COLUMBIA COUNTY	L151106CCB

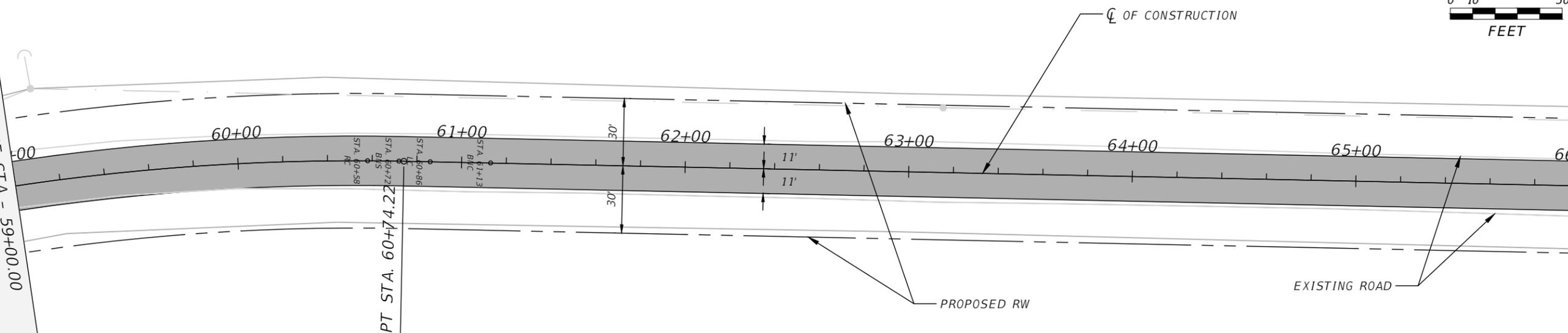
**ROADWAY PLAN & PROFILE**

SHEET NO.  
 16

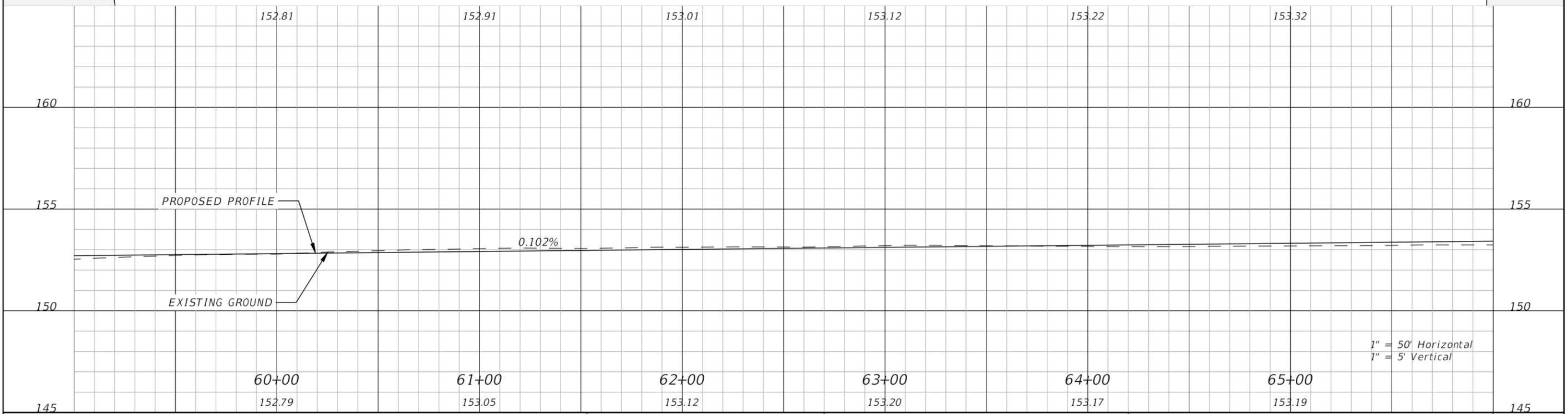


MATCHLINE STA - 59+00.00

MATCHLINE STA - 66+00.00



**SUPER ELEVATION LEGEND**  
 REVERSE CROWN (RC)  
 BEG. NORMAL SHOULDER (BNS)  
 LEVEL CROWN (LC)  
 BEG. NORMAL CROWN (BNC)



1" = 50' Horizontal  
 1" = 5' Vertical

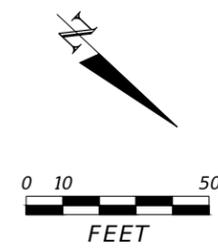
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 P.O. BOX 2823  
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MT. CARRIE ROAD		
DATE	COUNTY	PROJECT ID NUMBER
01/16	COLUMBIA COUNTY	L151106CCB

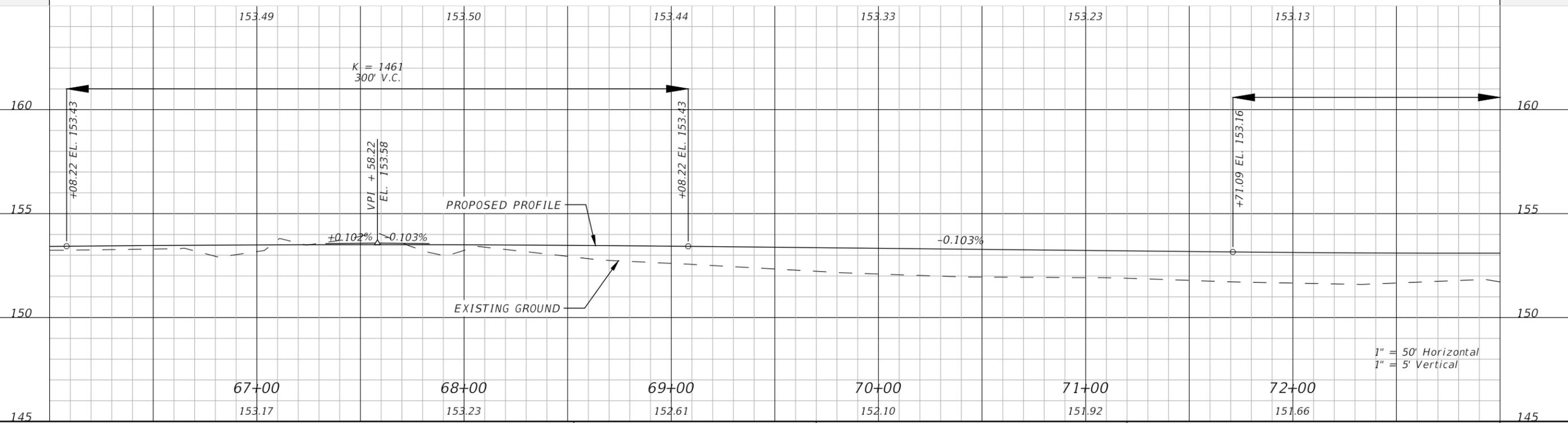
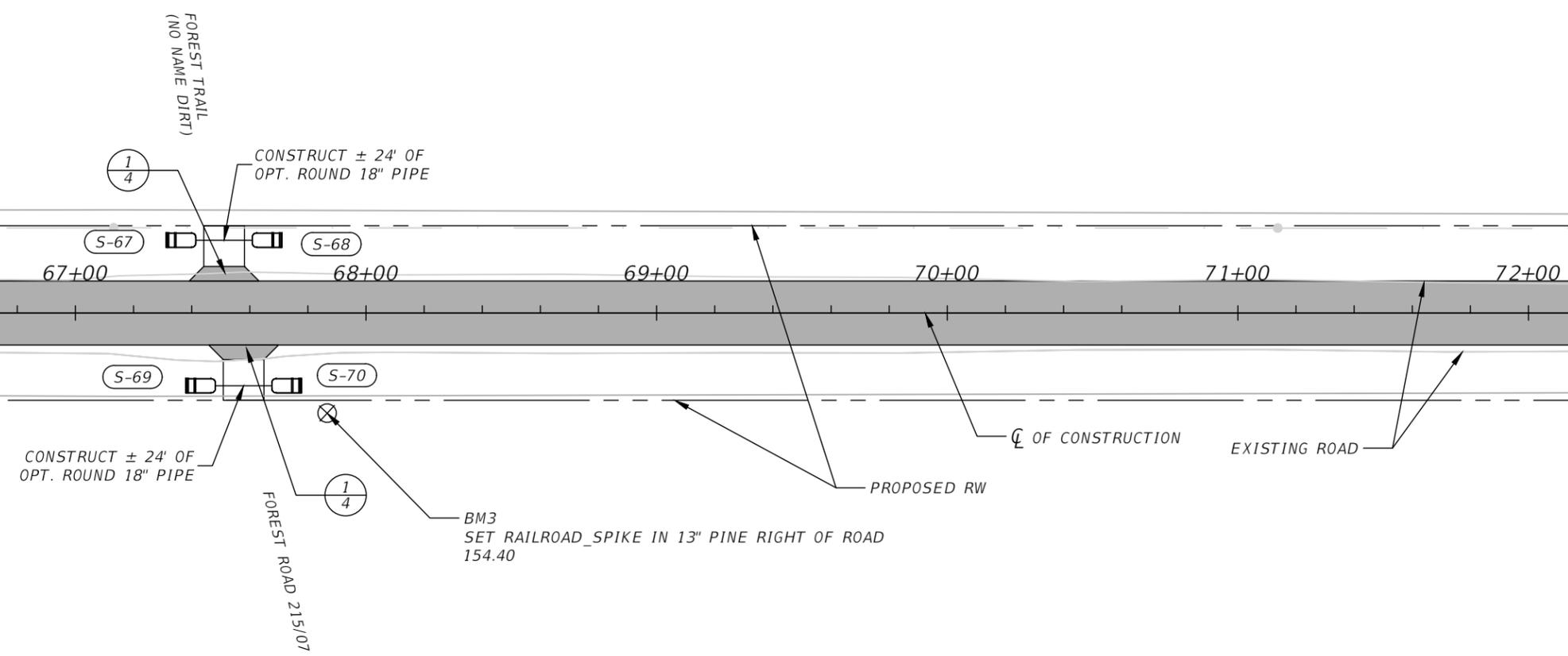
**ROADWAY PLAN & PROFILE**

SHEET NO.  
17



MATCHLINE STA - 66+00.00

MATCHLINE STA - 73+00.00



1" = 50' Horizontal  
1" = 5' Vertical

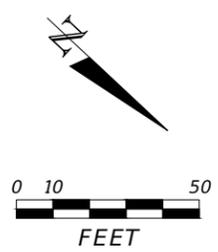
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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P.O. BOX 2823  
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MT. CARRIE ROAD		
DATE	COUNTY	PROJECT ID NUMBER
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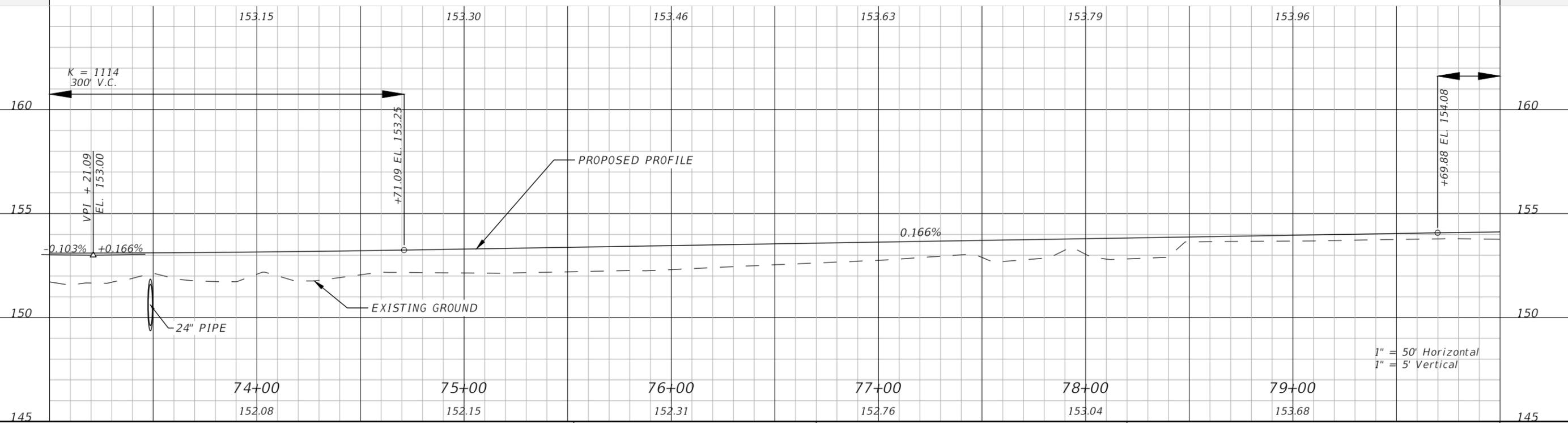
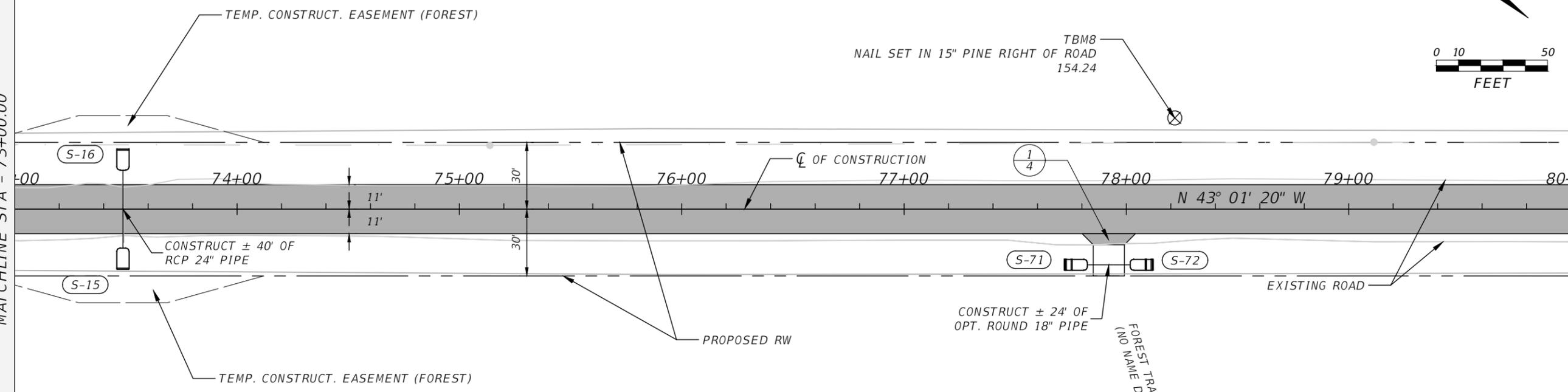
**ROADWAY PLAN & PROFILE**

SHEET NO.  
**18**



MATCHLINE STA - 73+00.00

MATCHLINE STA - 80+00.00



1" = 50' Horizontal  
1" = 5' Vertical

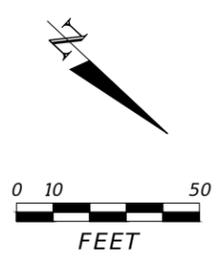
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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MT. CARRIE ROAD		
DATE	COUNTY	PROJECT ID NUMBER
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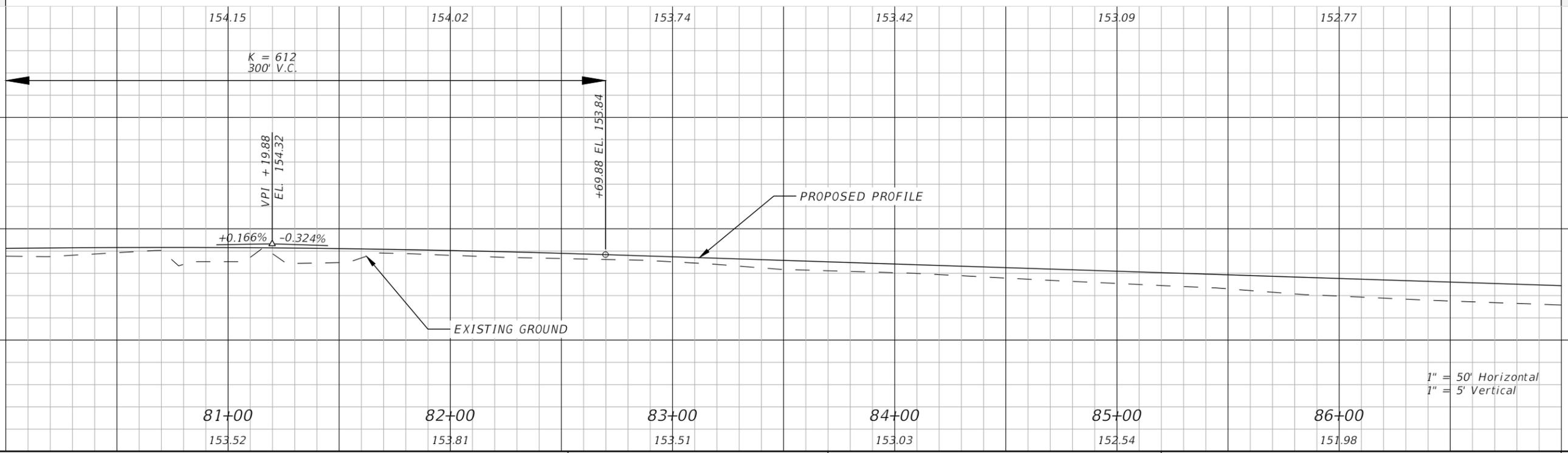
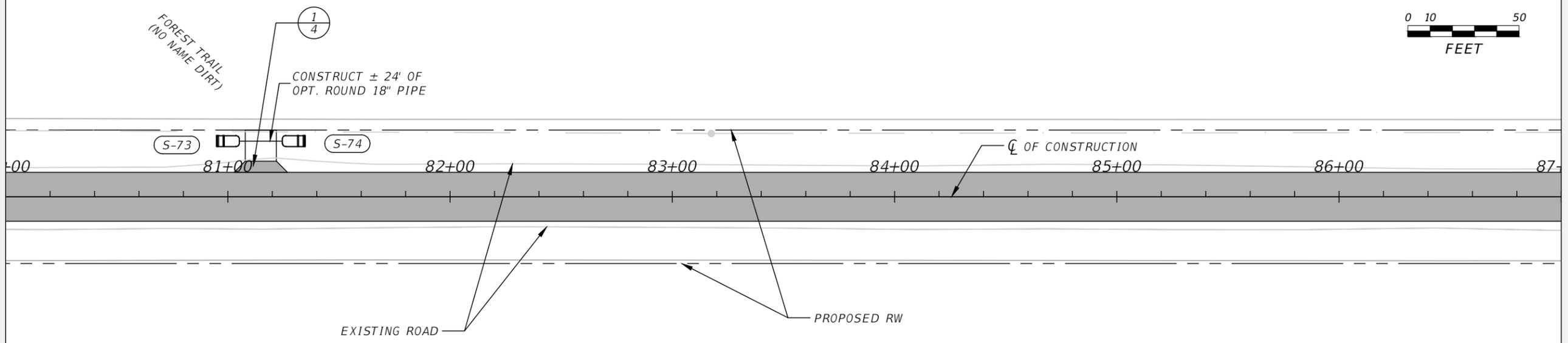
**ROADWAY PLAN & PROFILE**

SHEET NO.  
19



MATCHLINE STA - 80+00.00

MATCHLINE STA - 87+00.00



1" = 50' Horizontal  
1" = 5' Vertical

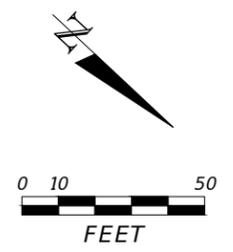
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.  
P.O. BOX 2823  
LAKE CITY, FLORIDA 32056  
PH 386-752-4675 FAX 386-752-4674

MT. CARRIE ROAD		
DATE	COUNTY	PROJECT ID NUMBER
01/16	COLUMBIA COUNTY	L151106CCB

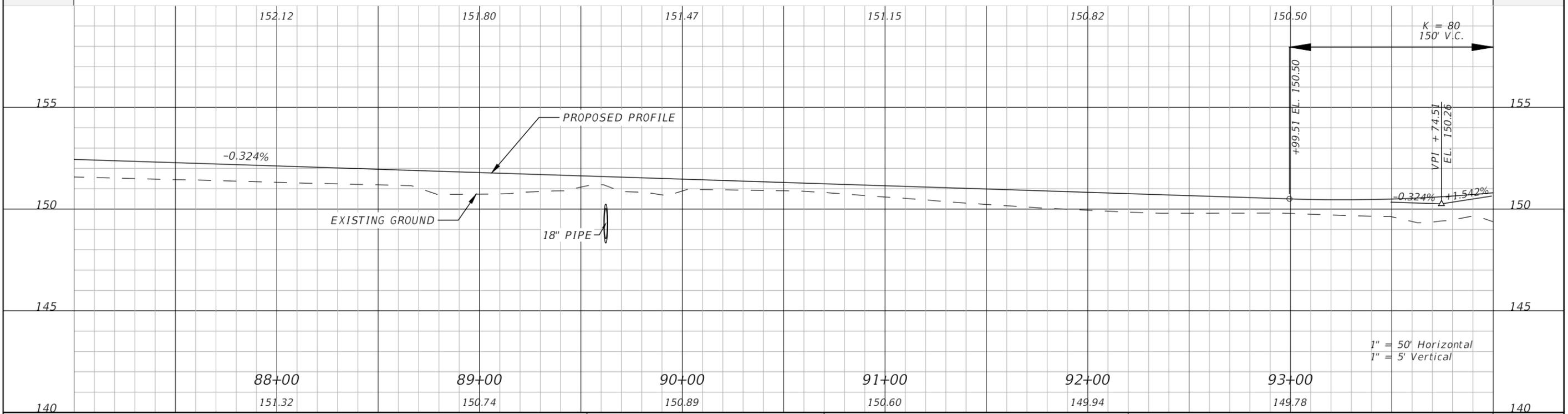
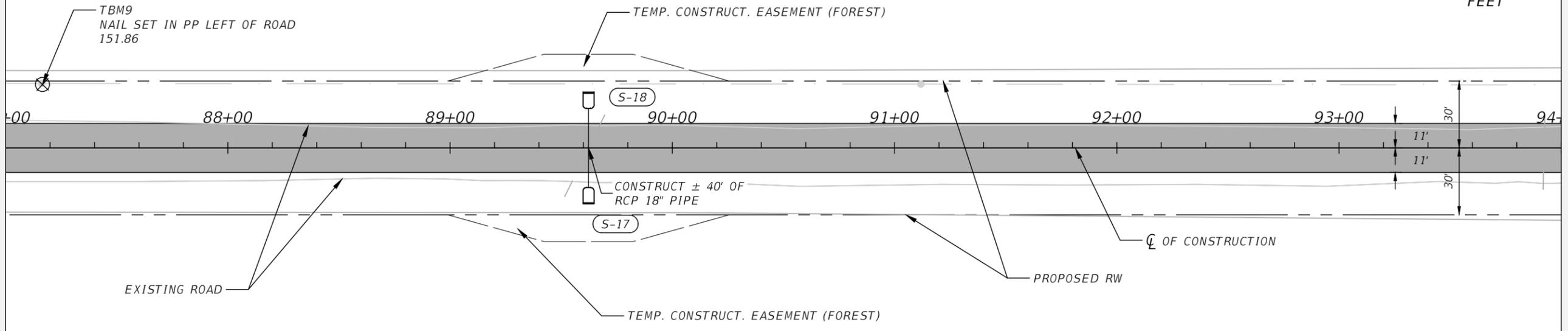
**ROADWAY PLAN & PROFILE**

SHEET NO.  
20



MATCHLINE STA - 87+00.00

MATCHLINE STA - 94+00.00



1" = 50' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

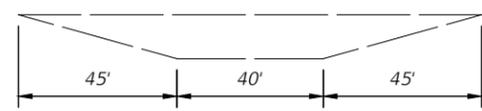
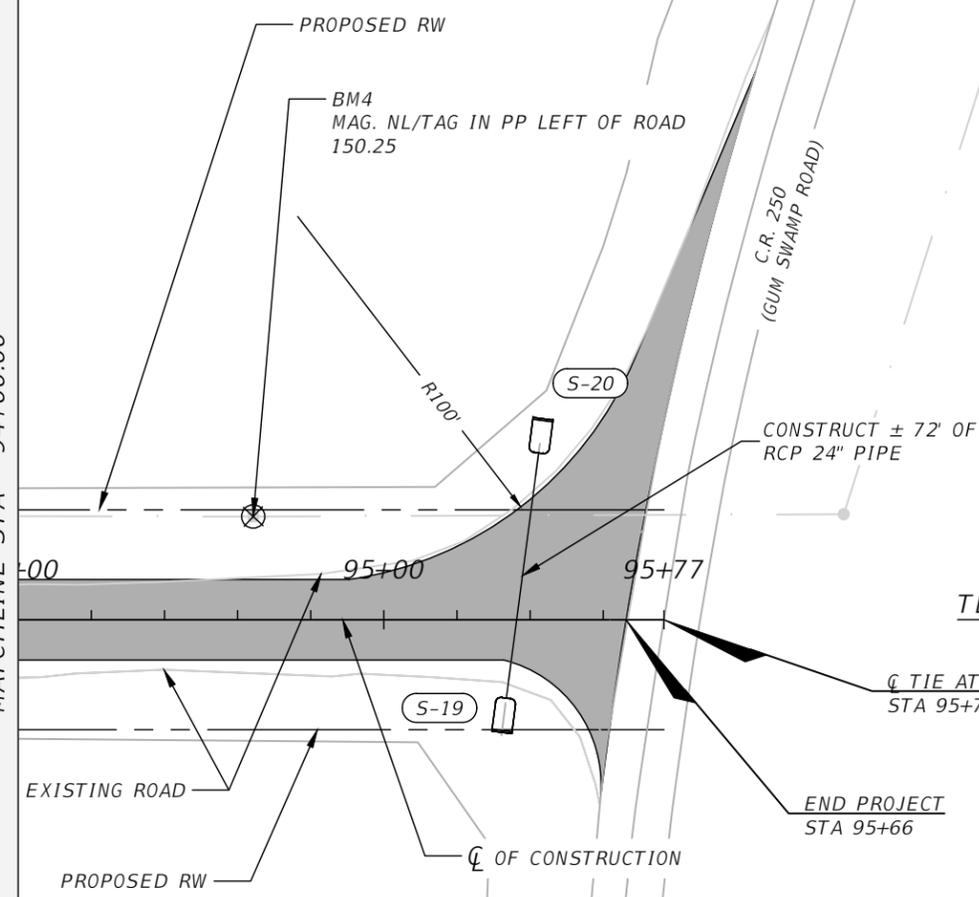
NORTH FLORIDA PROFESSIONAL SERVICES, INC.  
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PH 386-752-4675 FAX 386-752-4674

MT. CARRIE ROAD		
DATE	COUNTY	PROJECT ID NUMBER
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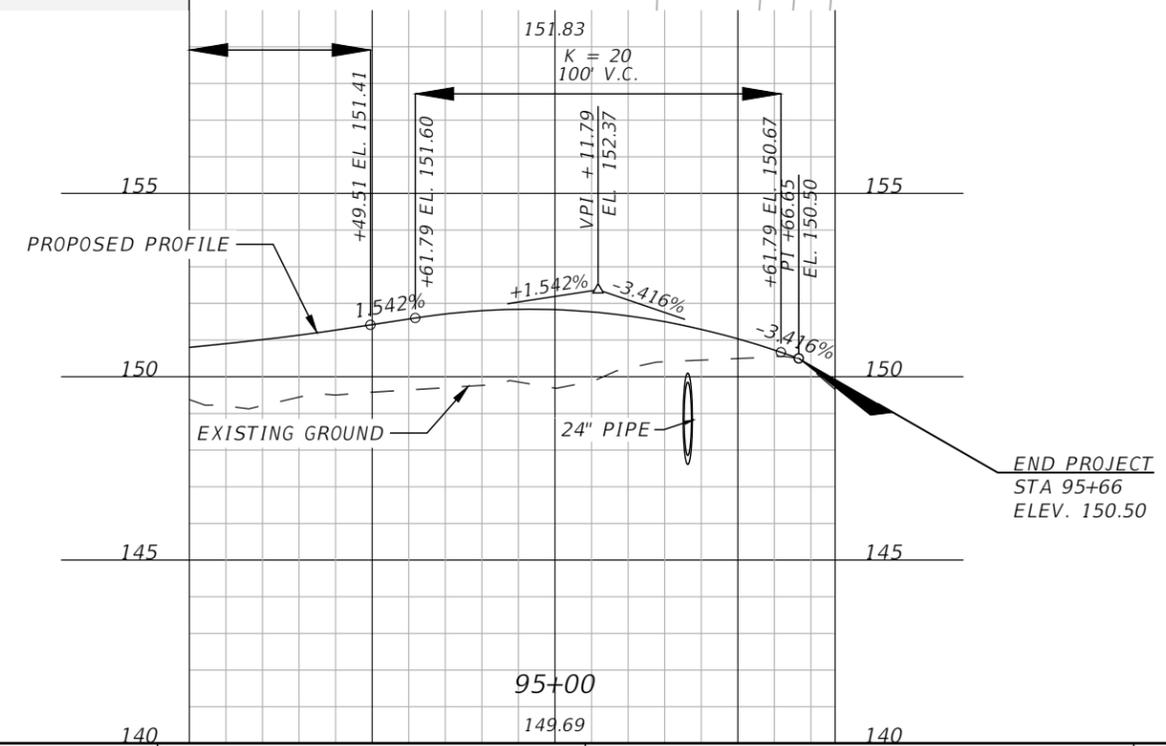
**ROADWAY PLAN & PROFILE**

SHEET NO.  
21

MATCHLINE STA - 94+00.00



TEMPORARY CONSTRUCTION EASEMENT TYPICAL



1" = 50' Horizontal  
1" = 5' Vertical

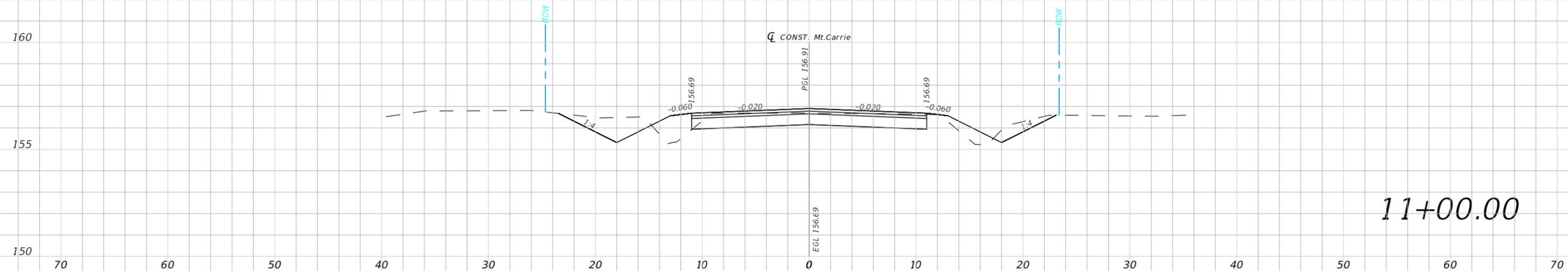
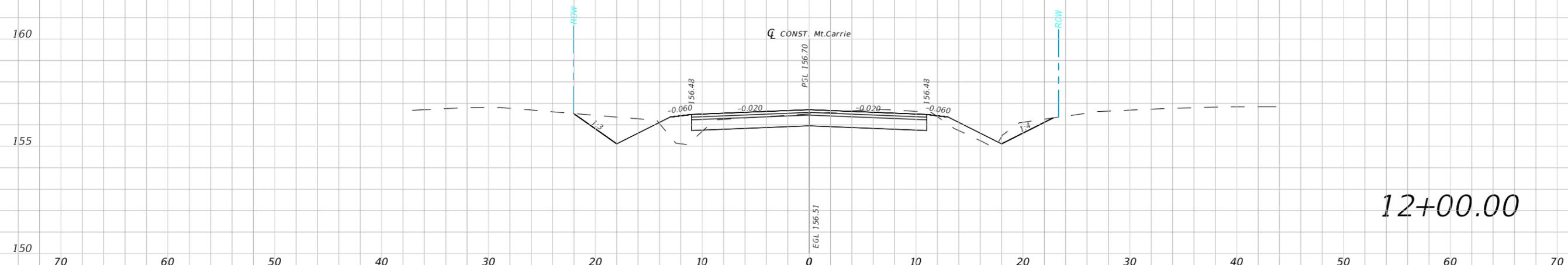
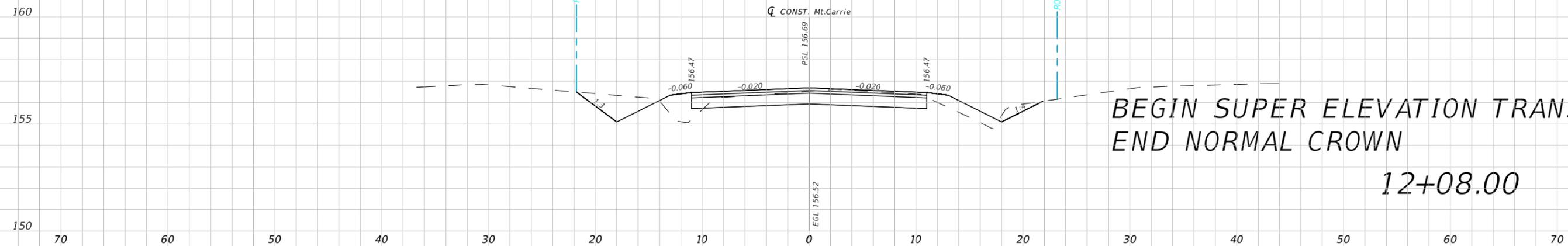
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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P.O. BOX 2823  
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PH 386-752-4675 FAX 386-752-4674

MT. CARRIE ROAD		
DATE	COUNTY	PROJECT ID NUMBER
01/16	COLUMBIA COUNTY	L151106CCB

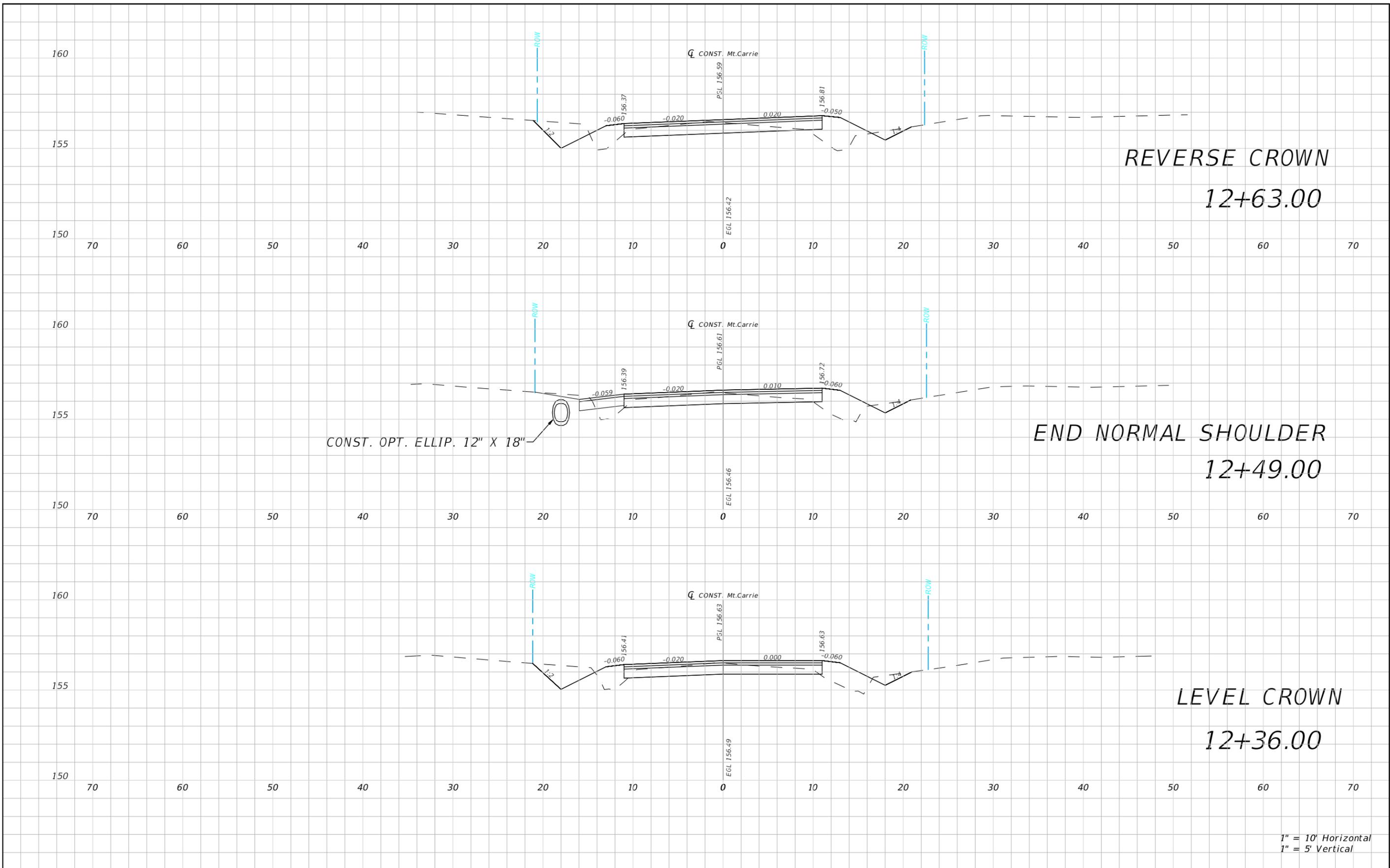
**ROADWAY PLAN & PROFILE**

SHEET NO.  
22



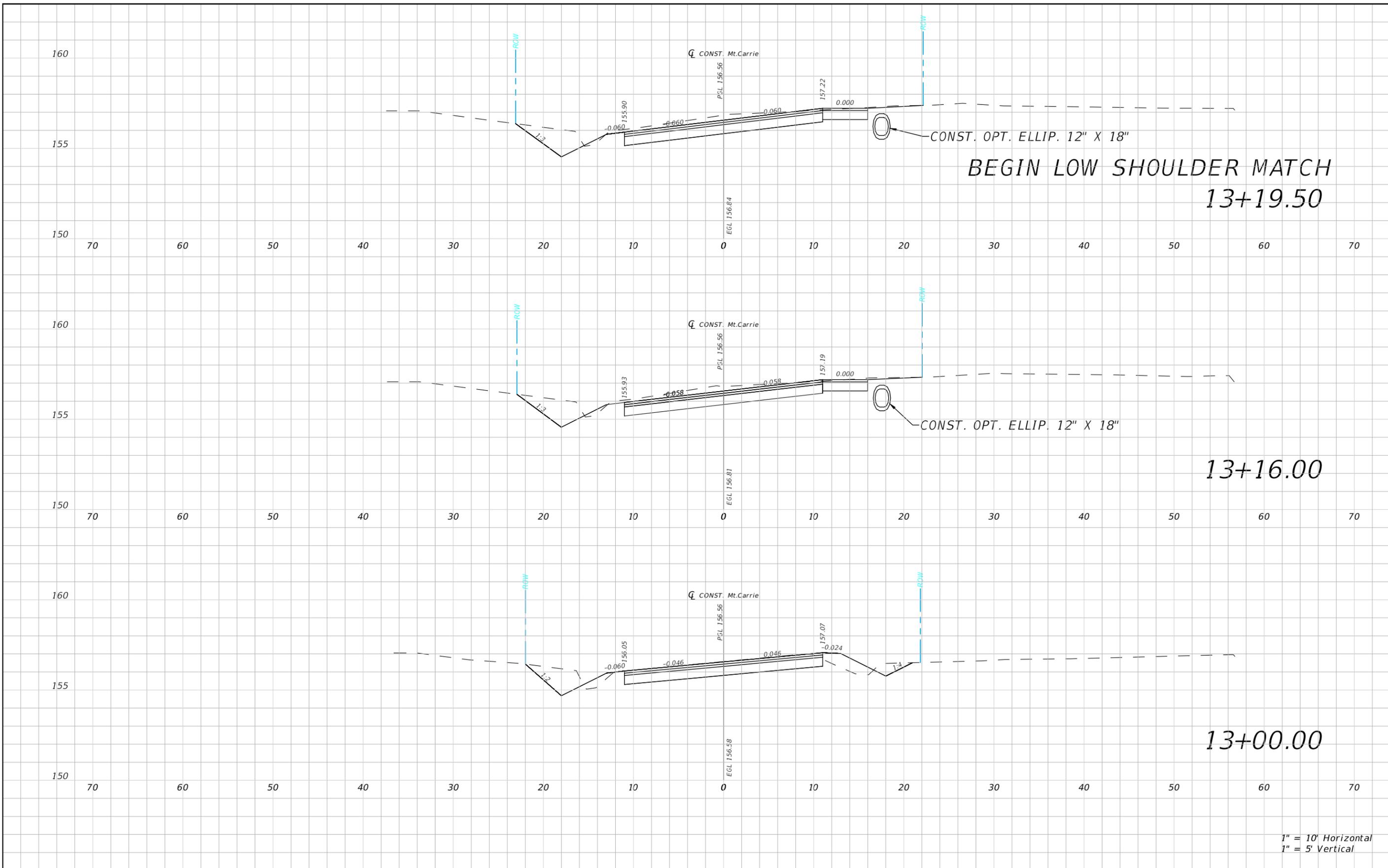
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 23
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



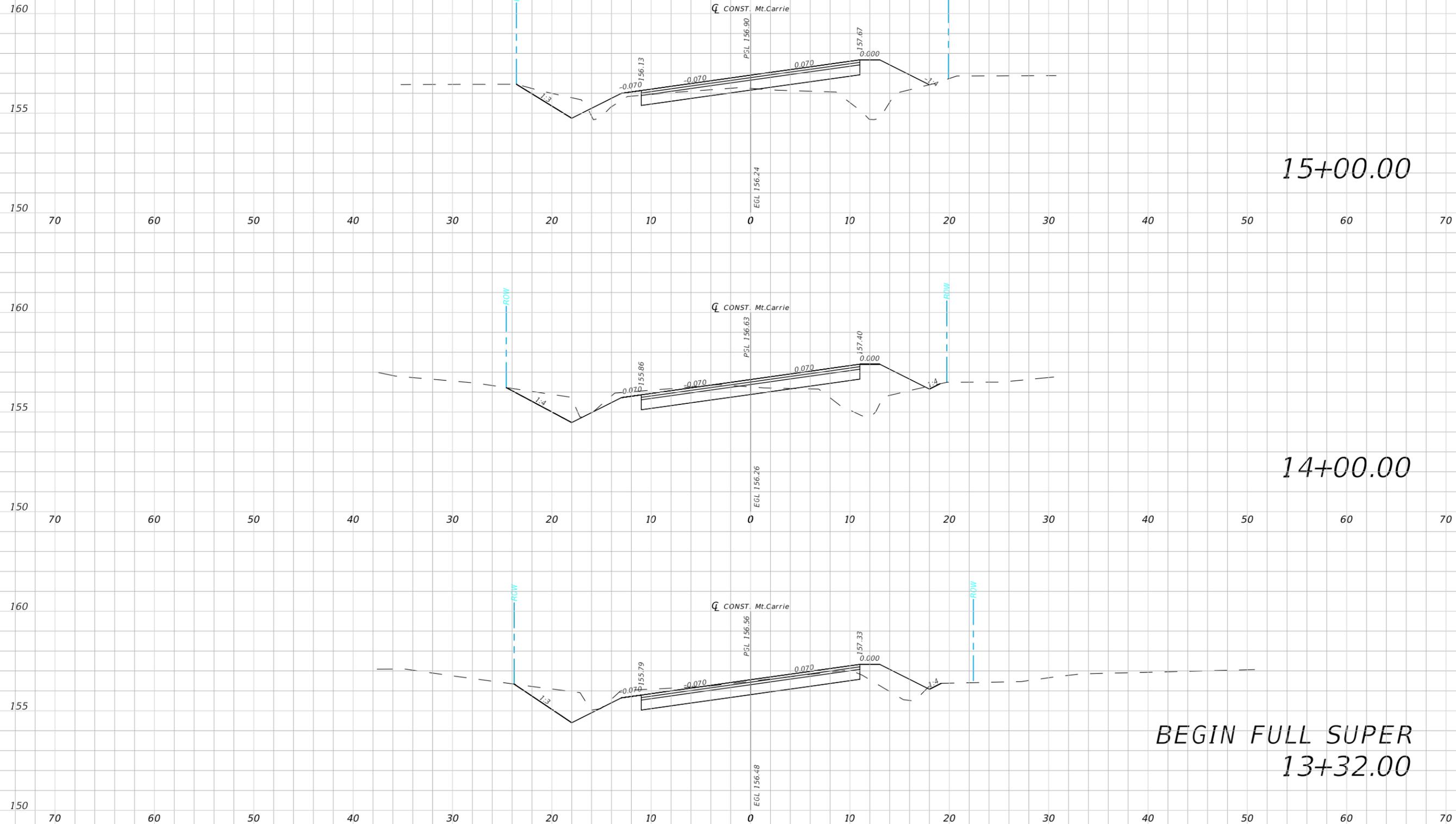
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 23
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



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

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 24
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



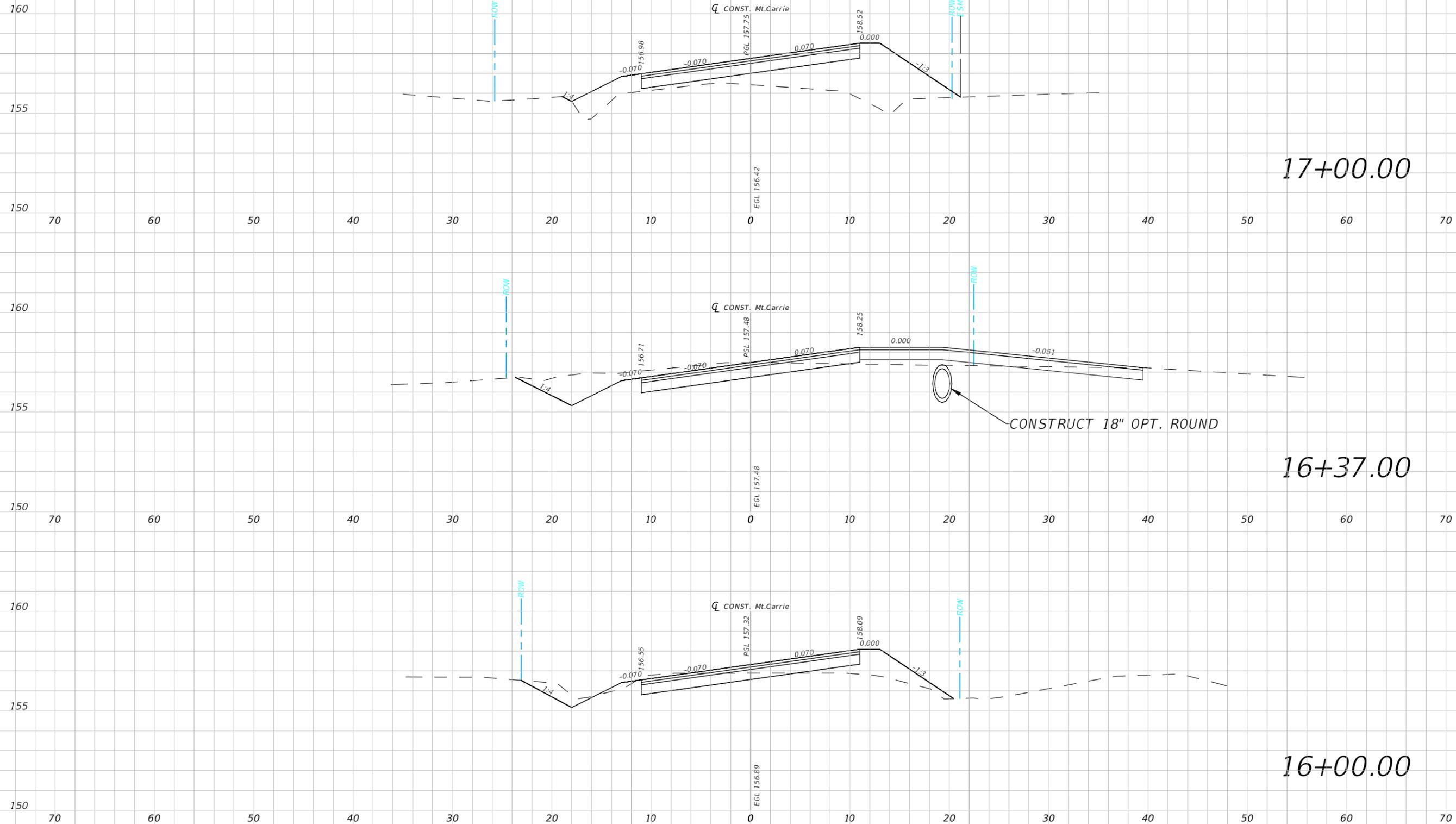
15+00.00

14+00.00

BEGIN FULL SUPER  
13+32.00

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

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 25
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



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

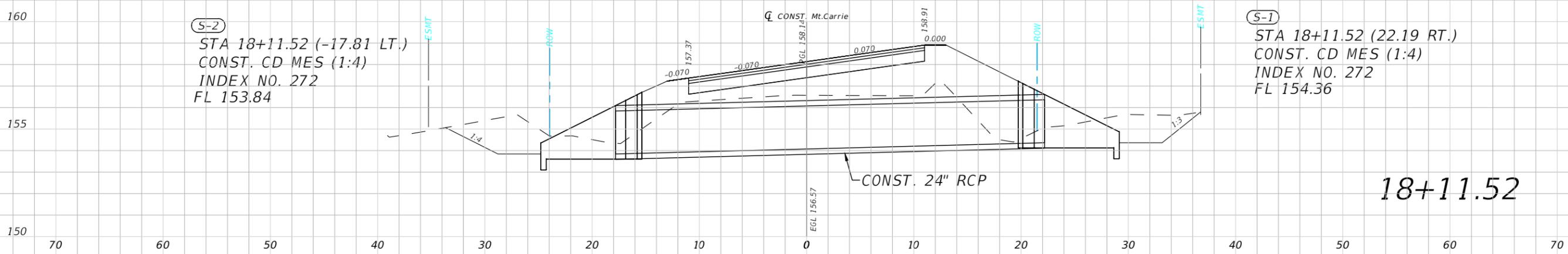
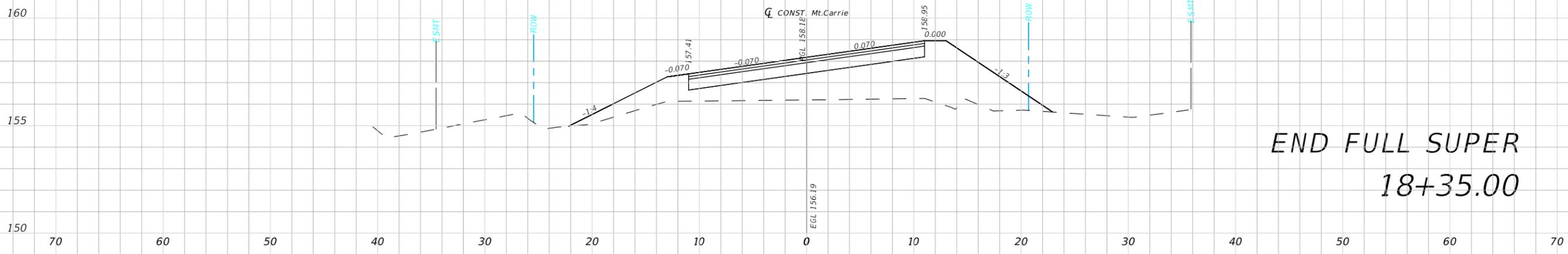
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.  
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LAKE CITY, FLORIDA 32056  
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MT. CARRIE ROAD		
DATE	COUNTY	PROJECT ID NUMBER
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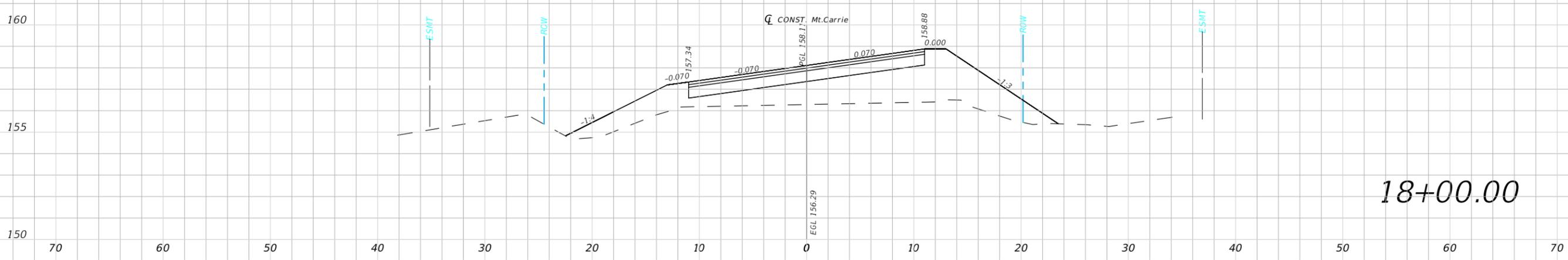
**ROADWAY CROSS SECTION**

SHEET NO.  
26



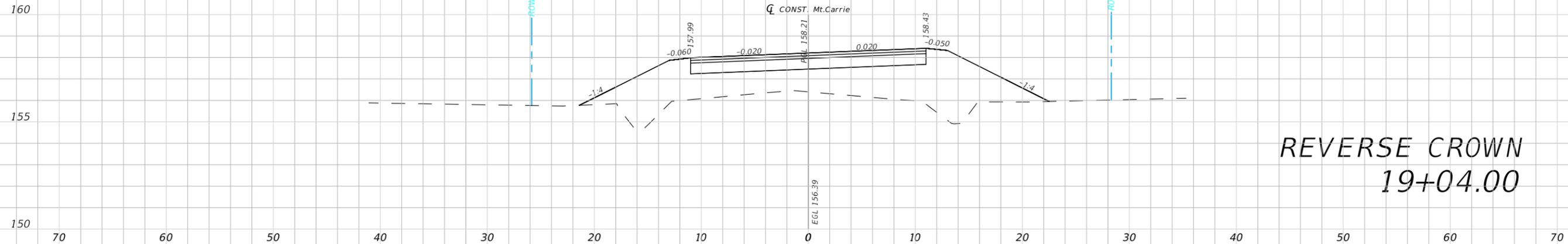
(S-2)  
 STA 18+11.52 (-17.81 LT.)  
 CONST. CD MES (1:4)  
 INDEX NO. 272  
 FL 153.84

(S-1)  
 STA 18+11.52 (22.19 RT.)  
 CONST. CD MES (1:4)  
 INDEX NO. 272  
 FL 154.36

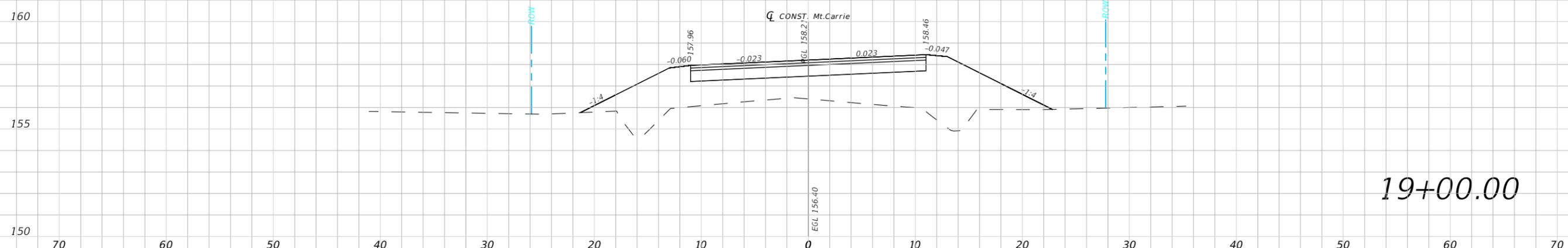


1" = 10' Horizontal  
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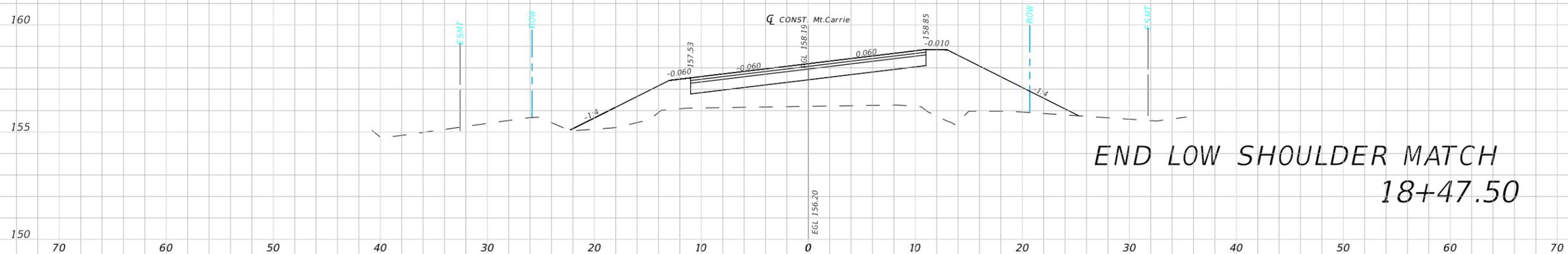
REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 27
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
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REVERSE CROWN  
19+04.00



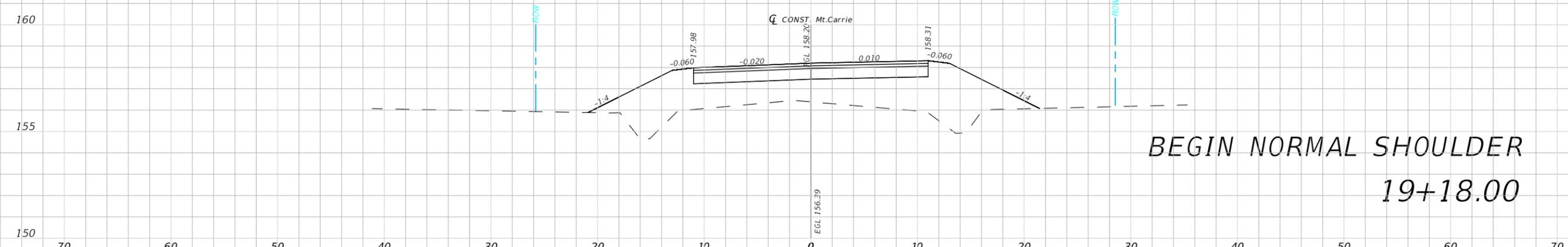
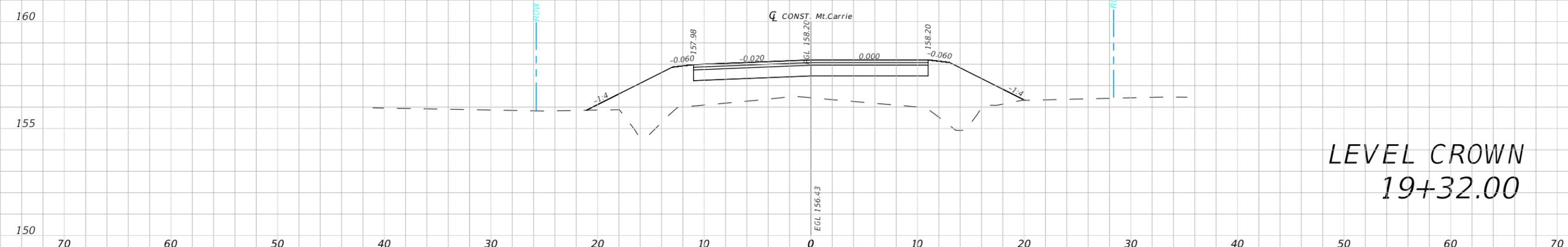
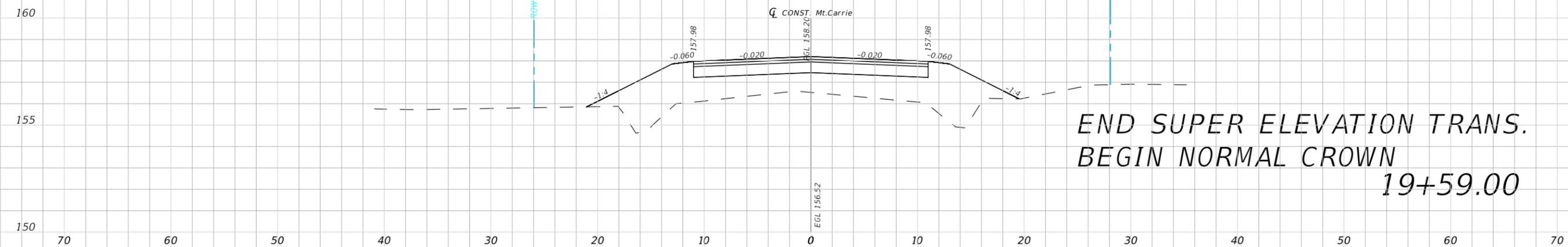
19+00.00



END LOW SHOULDER MATCH  
18+47.50

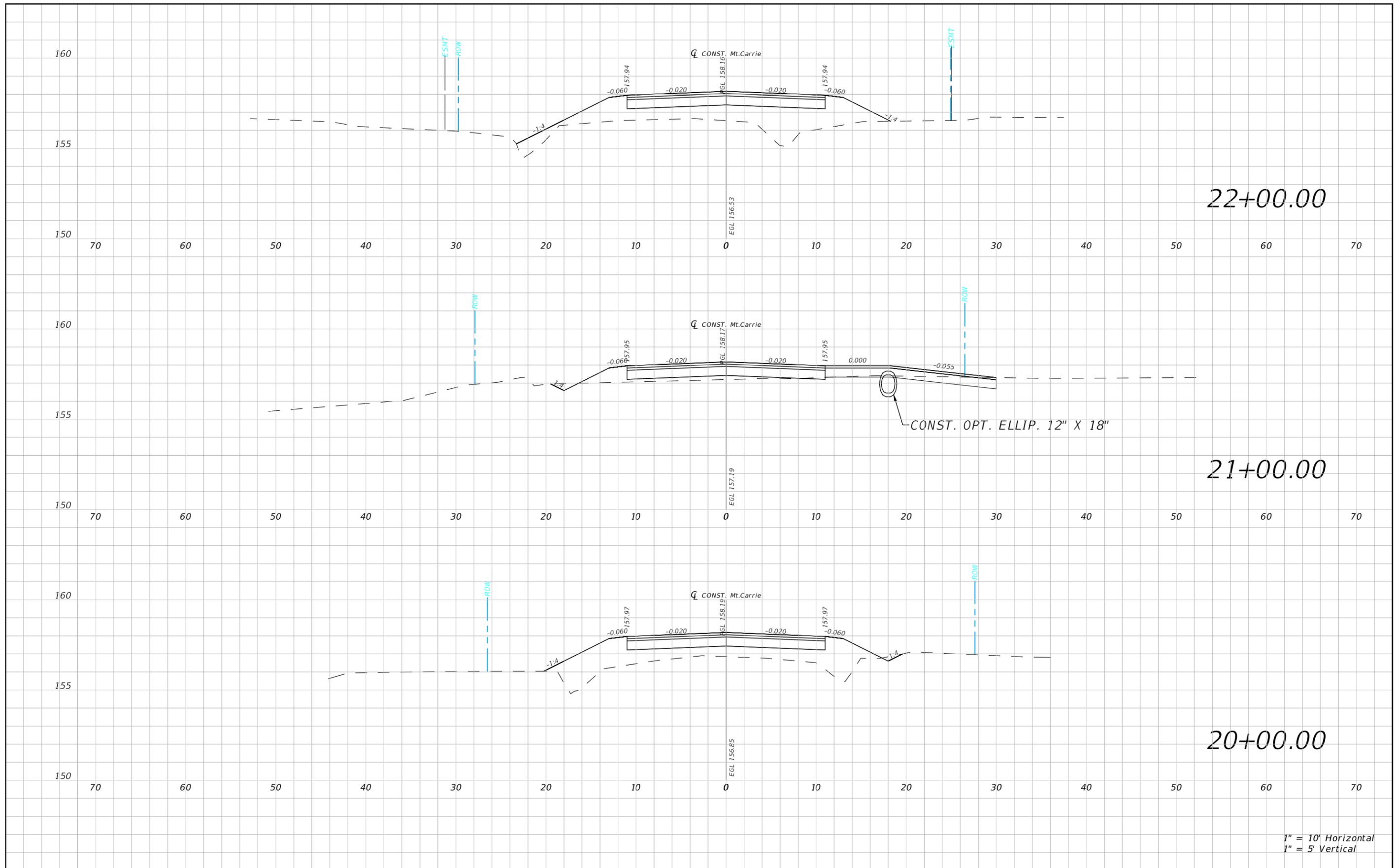
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 28
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



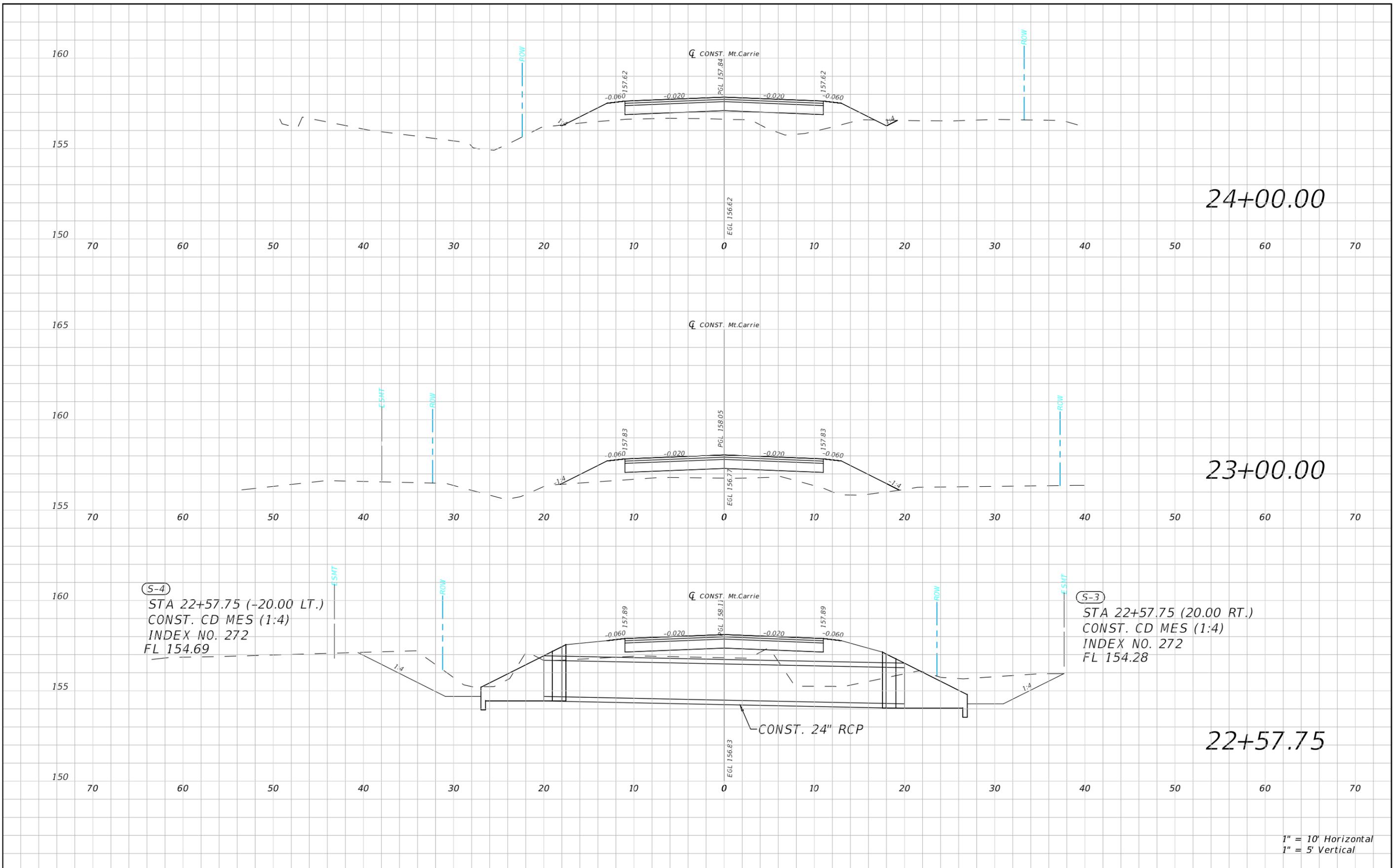
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 29
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



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

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 30
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		

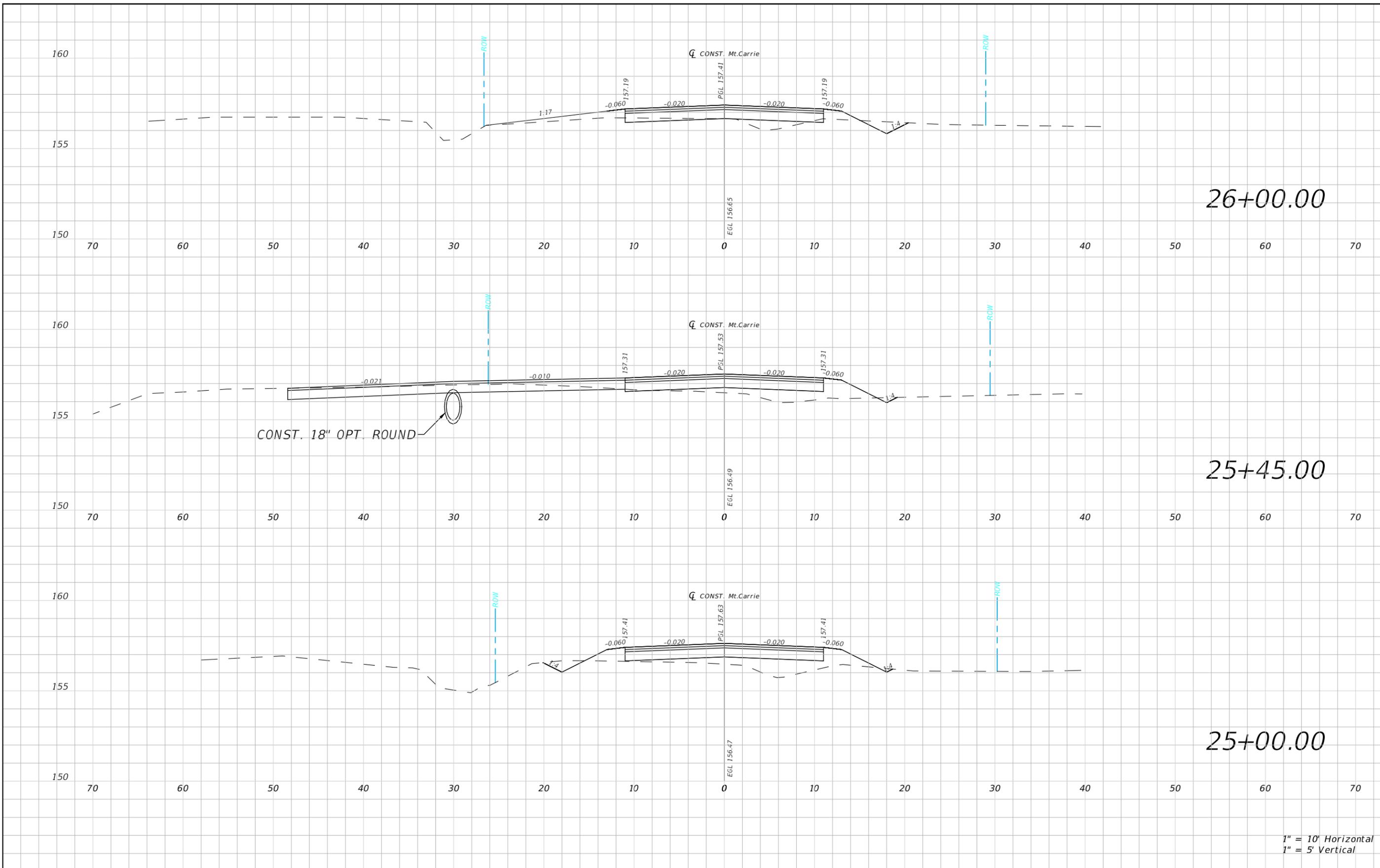


(S-4)  
 STA 22+57.75 (-20.00 LT.)  
 CONST. CD MES (1:4)  
 INDEX NO. 272  
 FL 154.69

(S-3)  
 STA 22+57.75 (20.00 RT.)  
 CONST. CD MES (1:4)  
 INDEX NO. 272  
 FL 154.28

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

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 31
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



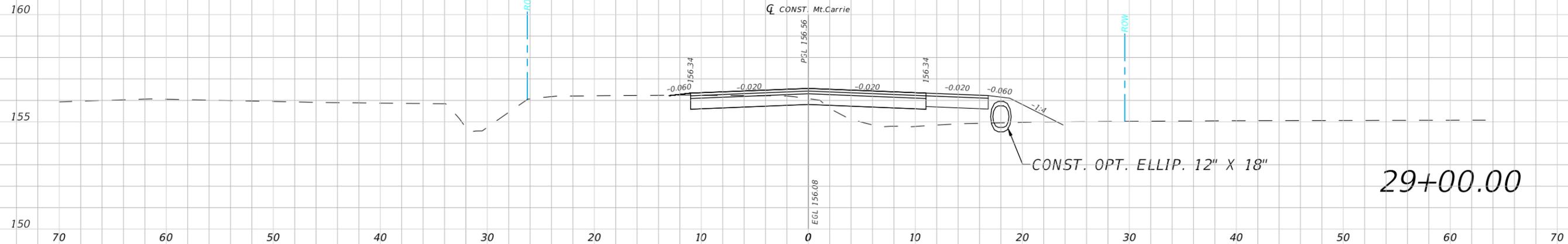
1" = 10' Horizontal  
 1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 32
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
				01/16	COLUMBIA COUNTY	L151106CCB			

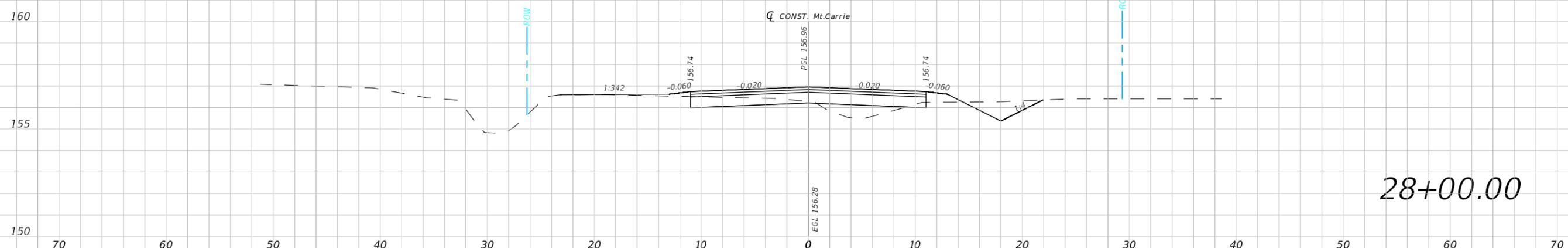
Chad McCormick

5/23/2016 2:08:17 PM

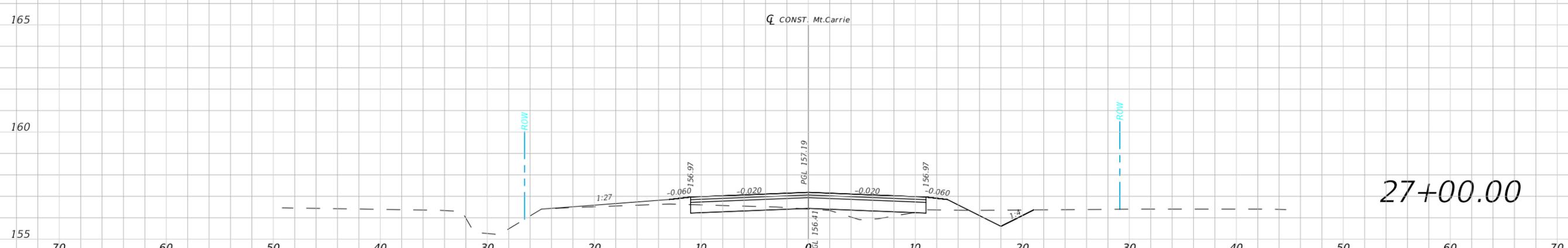
X:\2015\L151106CCB\H.CADD\roadway\RD\SRD02.dwg



29+00.00



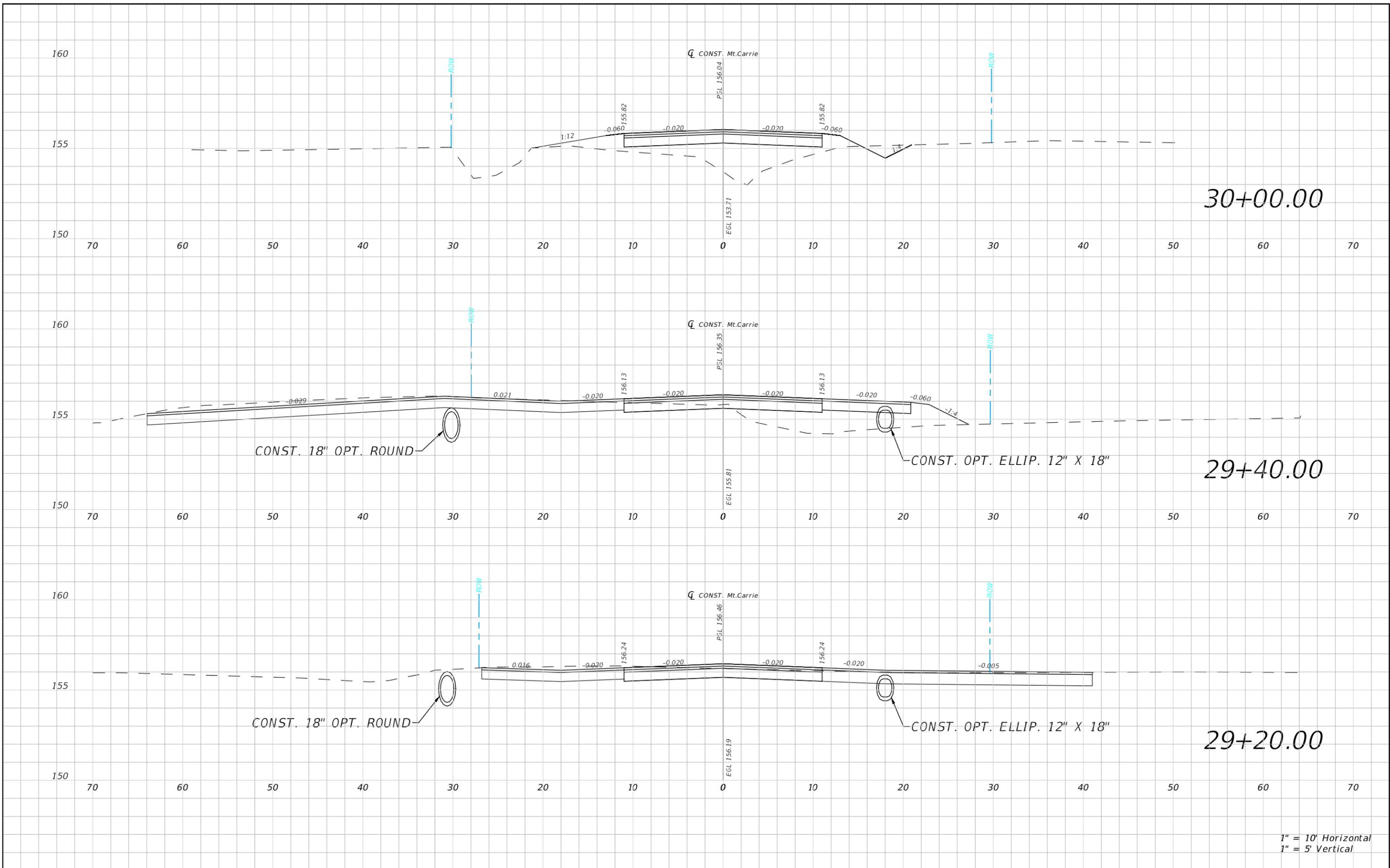
28+00.00



27+00.00

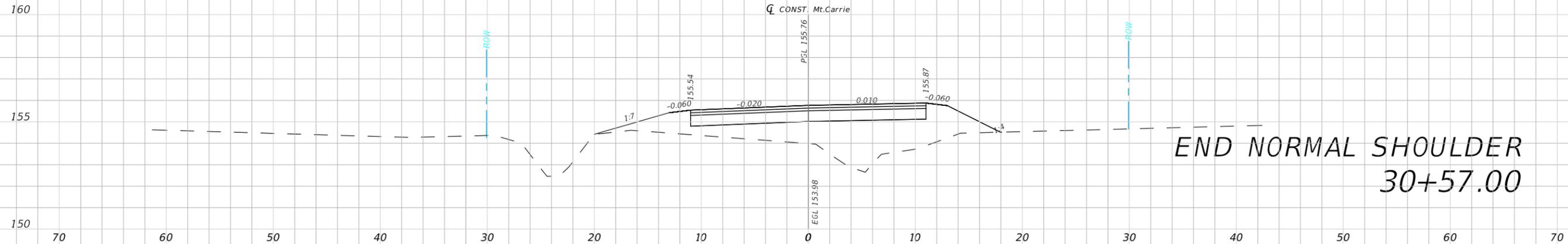
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 33
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		

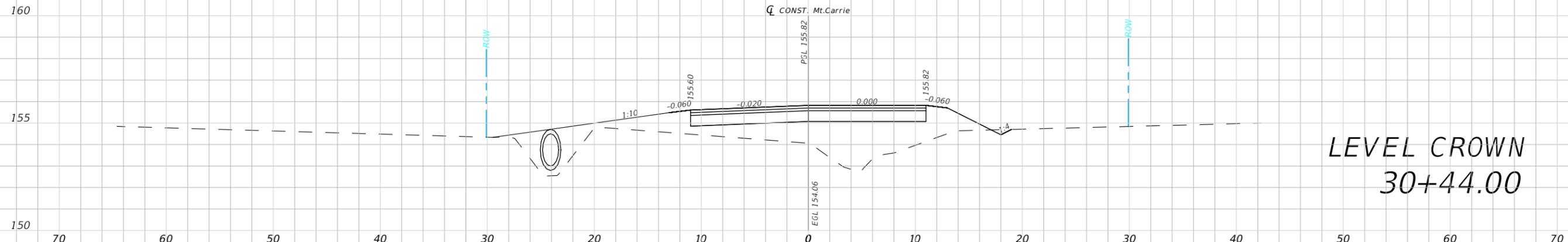


1" = 10' Horizontal  
1" = 5' Vertical

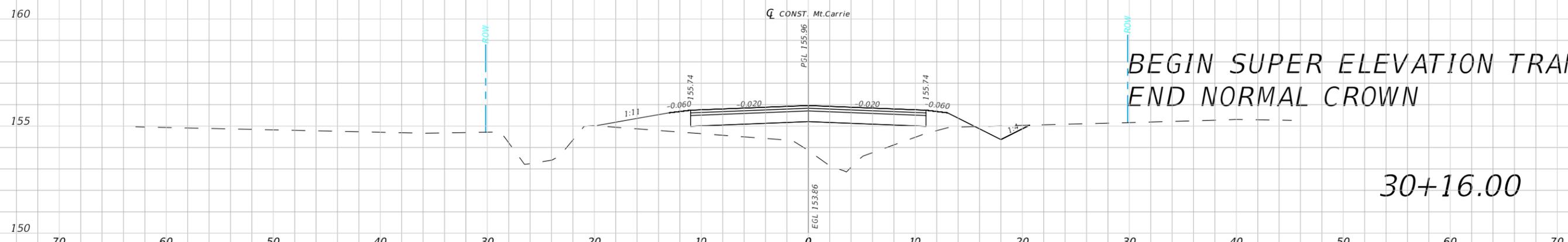
REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 34
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



END NORMAL SHOULDER  
30+57.00



LEVEL CROWN  
30+44.00

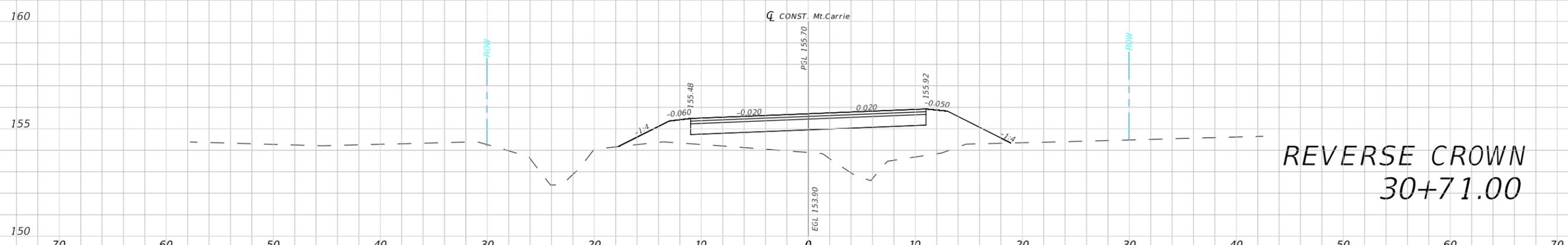
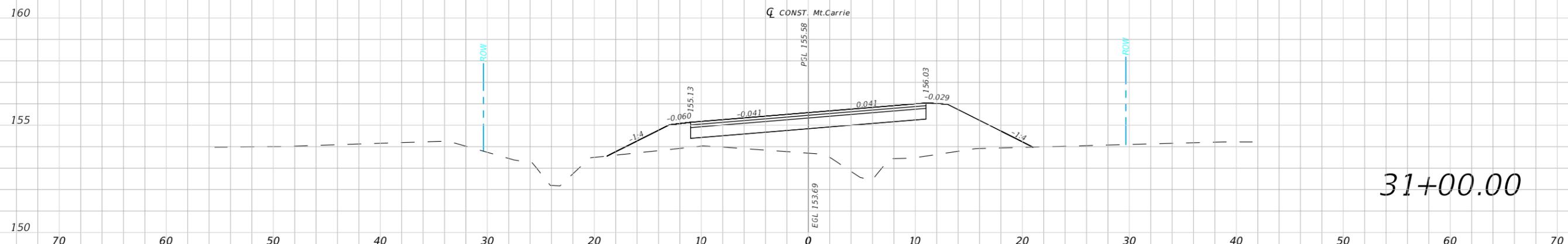
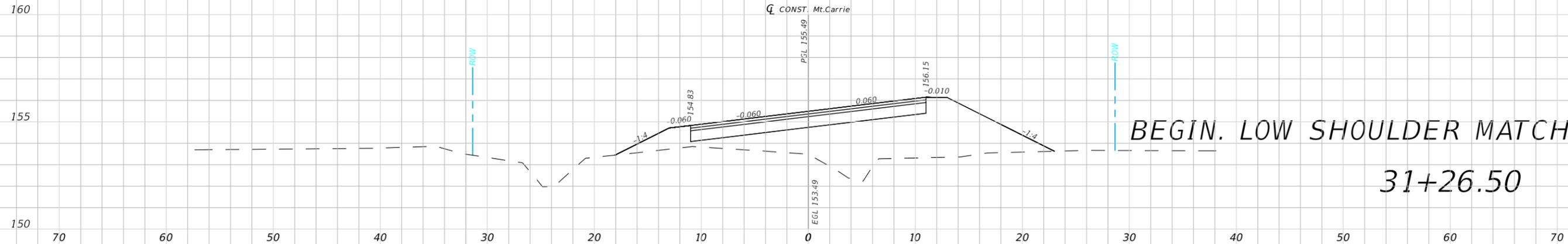


BEGIN SUPER ELEVATION TRANS  
END NORMAL CROWN

30+16.00

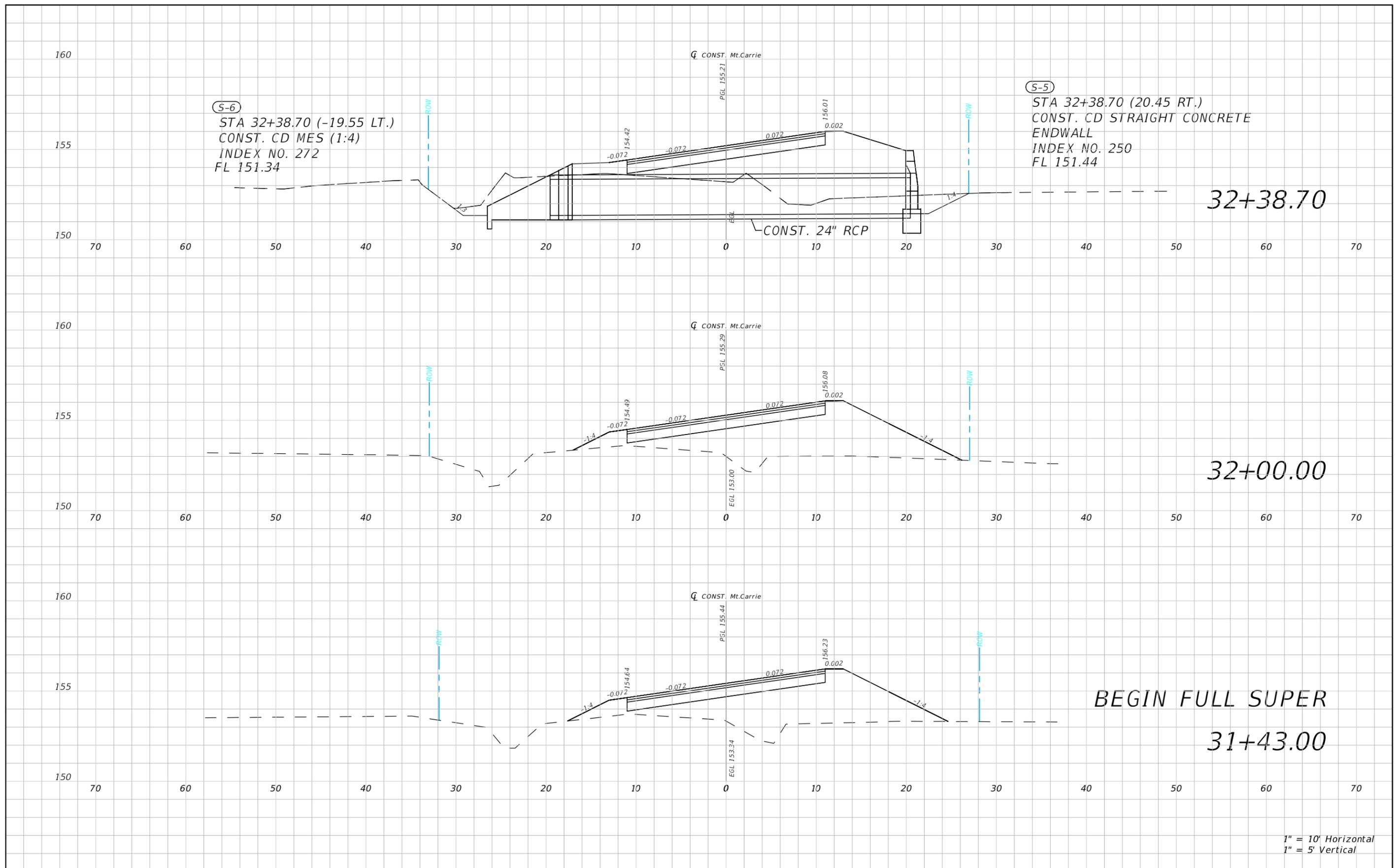
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 35
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		

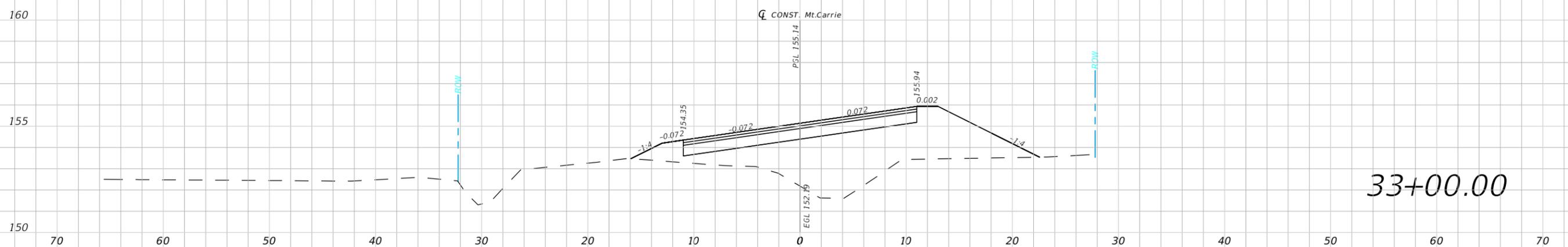
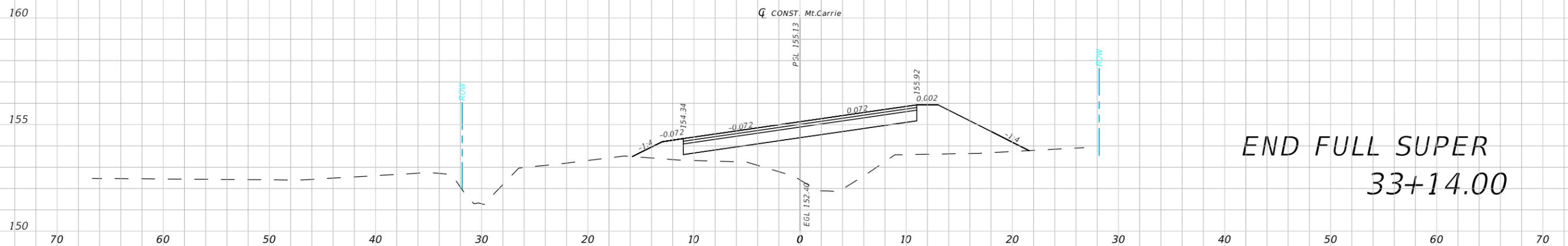
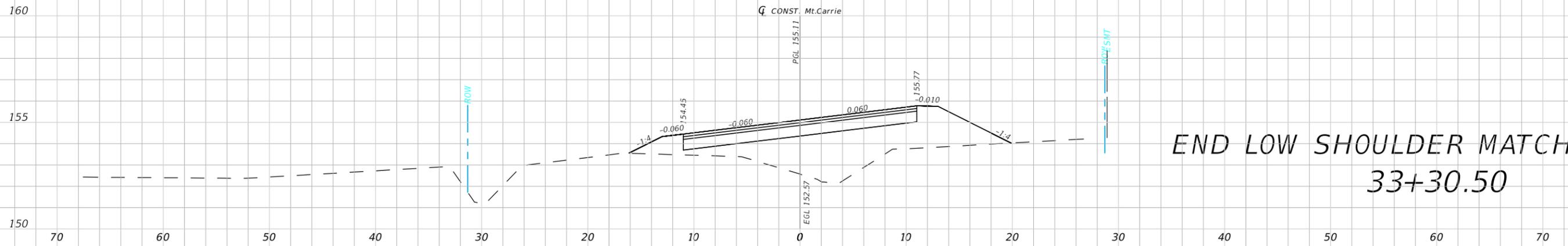


1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 36
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		

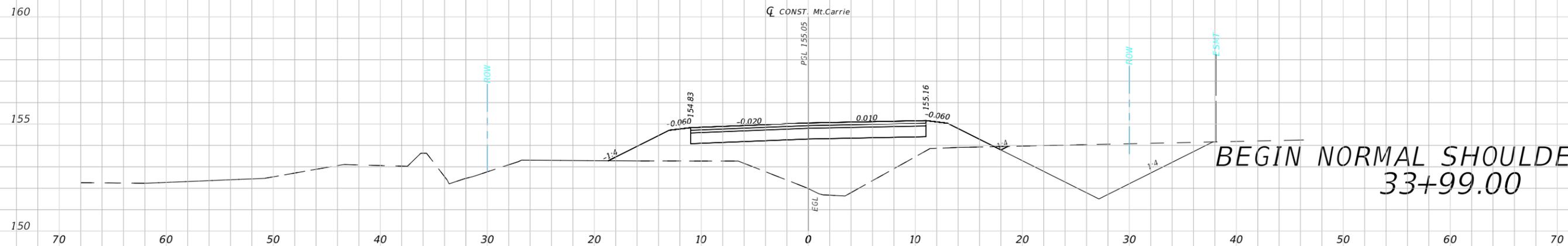


REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 37
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		

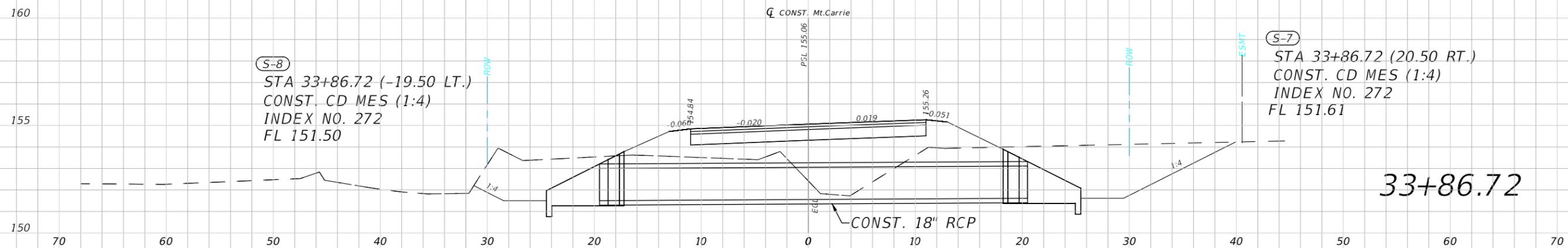


1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 38
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



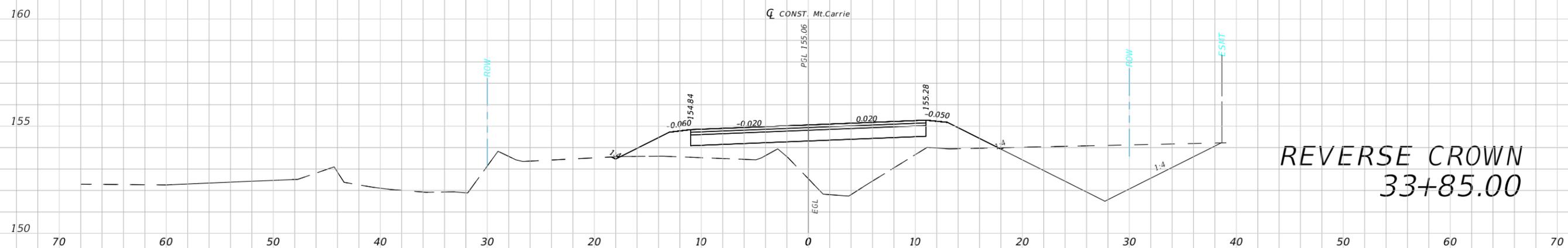
BEGIN NORMAL SHOULDER  
33+99.00



(S-8)  
STA 33+86.72 (-19.50 LT.)  
CONST. CD MES (1:4)  
INDEX NO. 272  
FL 151.50

(S-7)  
STA 33+86.72 (20.50 RT.)  
CONST. CD MES (1:4)  
INDEX NO. 272  
FL 151.61

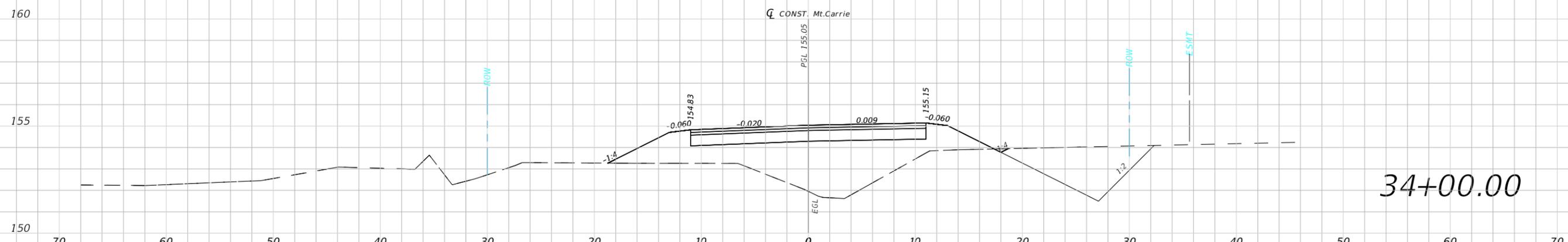
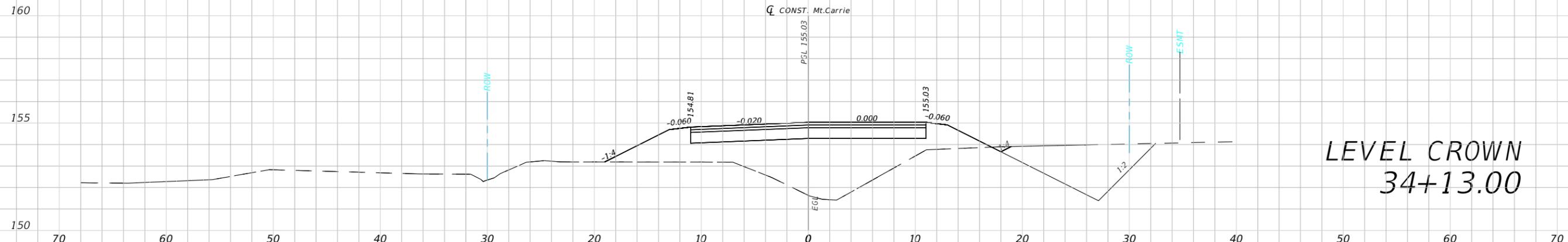
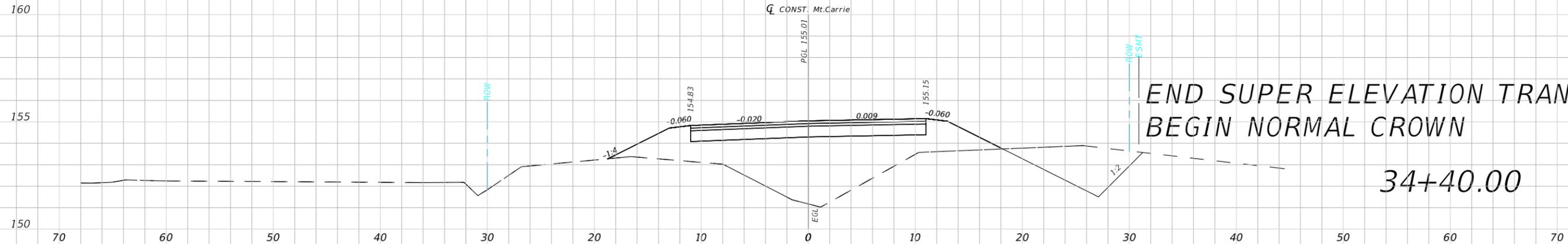
33+86.72



REVERSE CROWN  
33+85.00

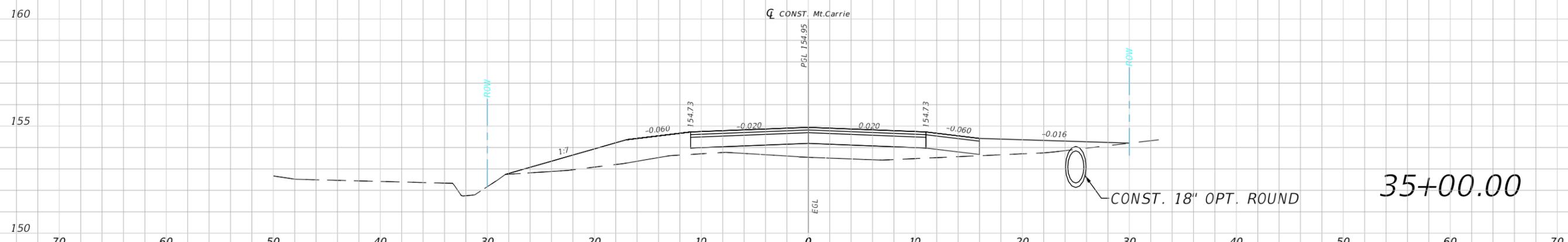
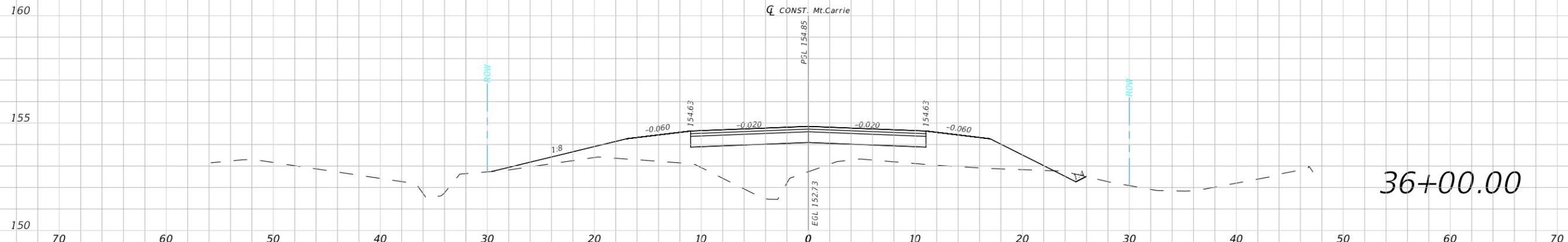
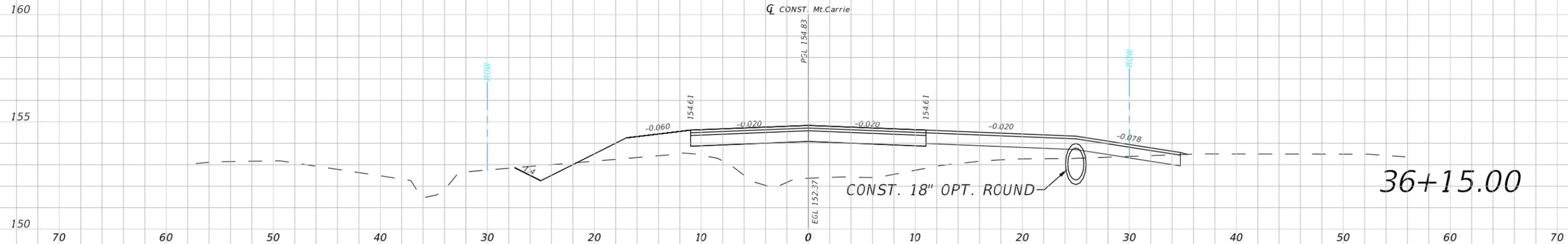
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 39
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



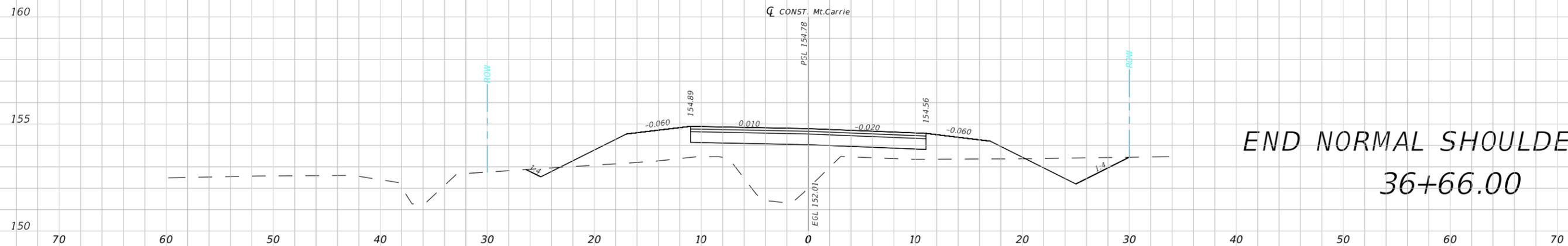
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 40
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		

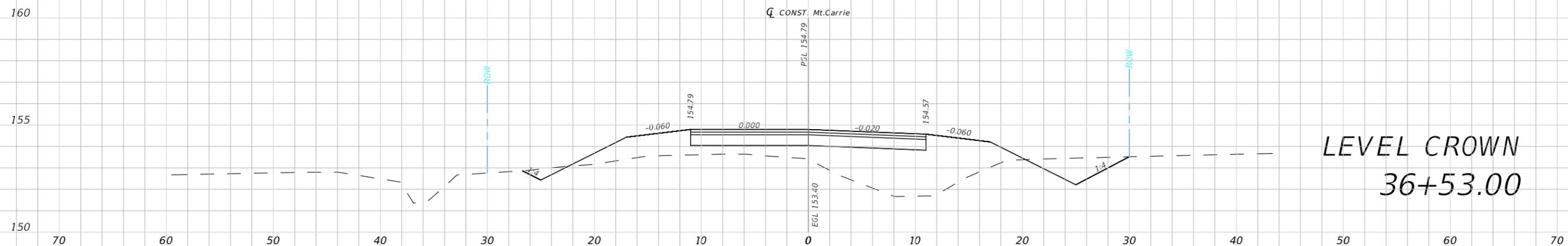


1" = 10' Horizontal  
1" = 5' Vertical

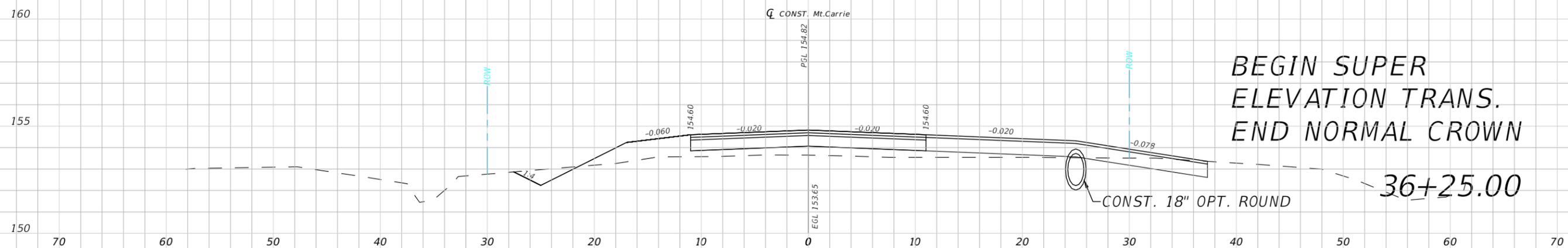
REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 41
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



END NORMAL SHOULDER  
36+66.00



LEVEL CROWN  
36+53.00

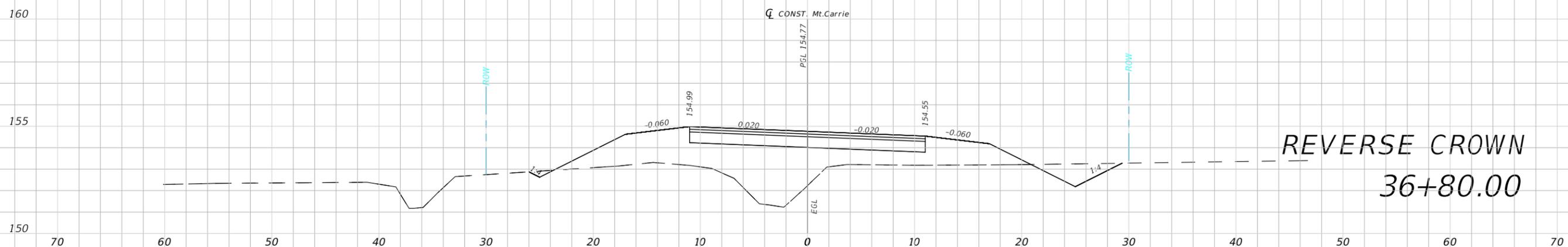
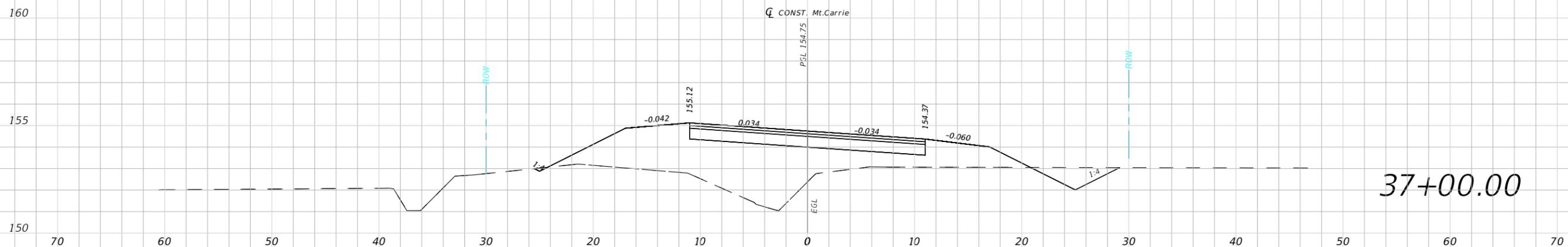
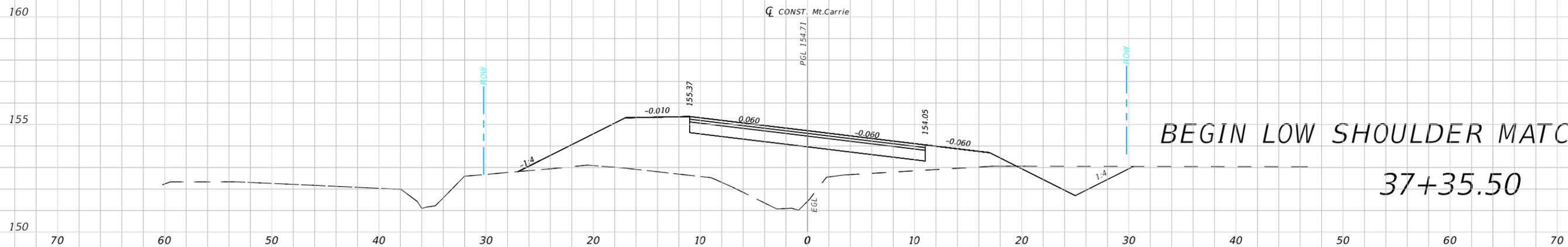


BEGIN SUPER  
ELEVATION TRANS.  
END NORMAL CROWN

36+25.00

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

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 42
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



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

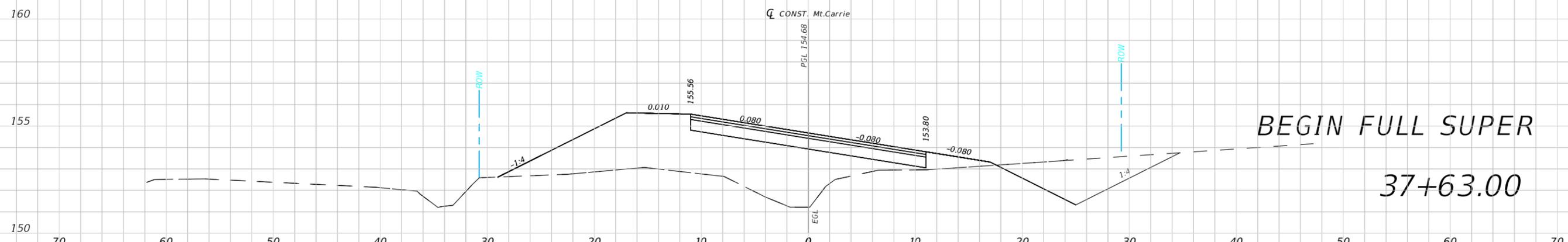
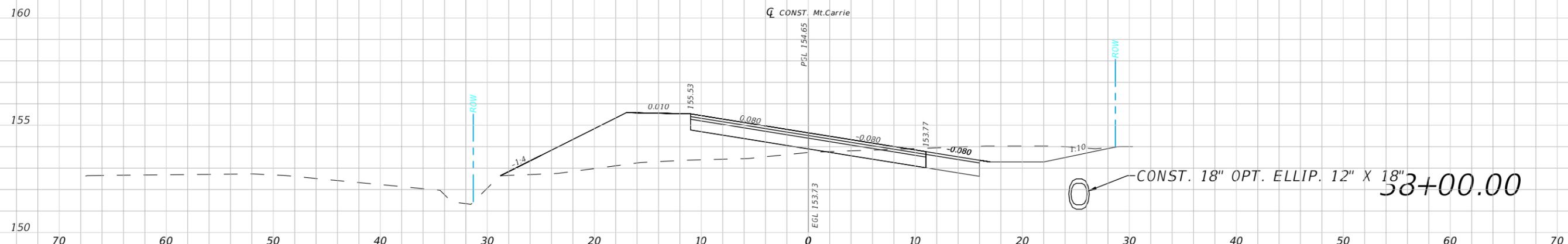
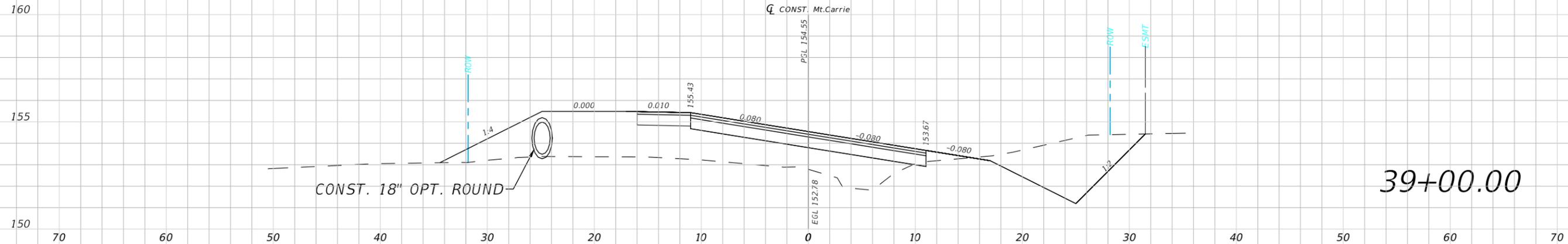
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.  
P.O. BOX 2823  
LAKE CITY, FLORIDA 32056  
PH 386-752-4675 FAX 386-752-4674

MT. CARRIE ROAD		
DATE	COUNTY	PROJECT ID NUMBER
01/16	COLUMBIA COUNTY	L151106CCB

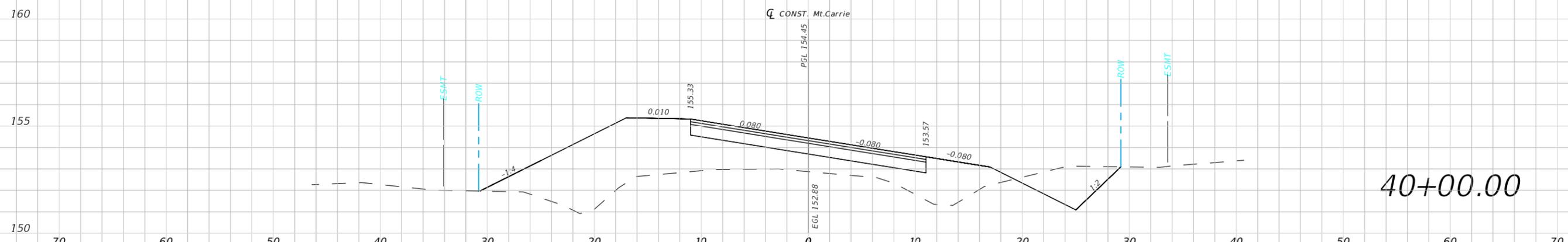
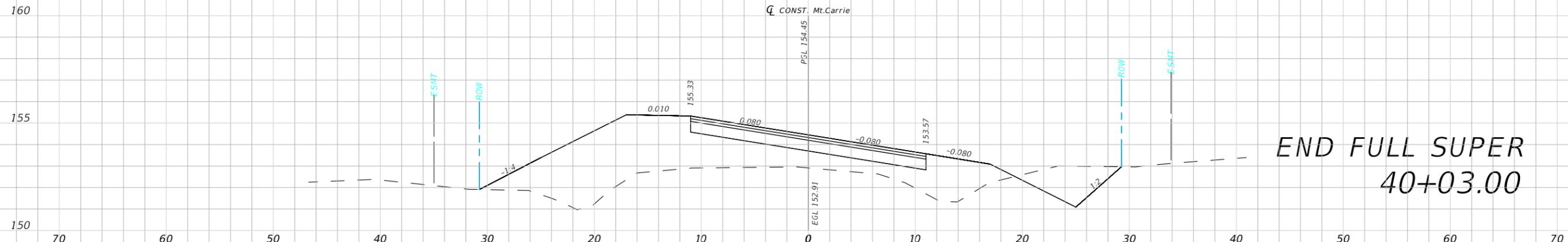
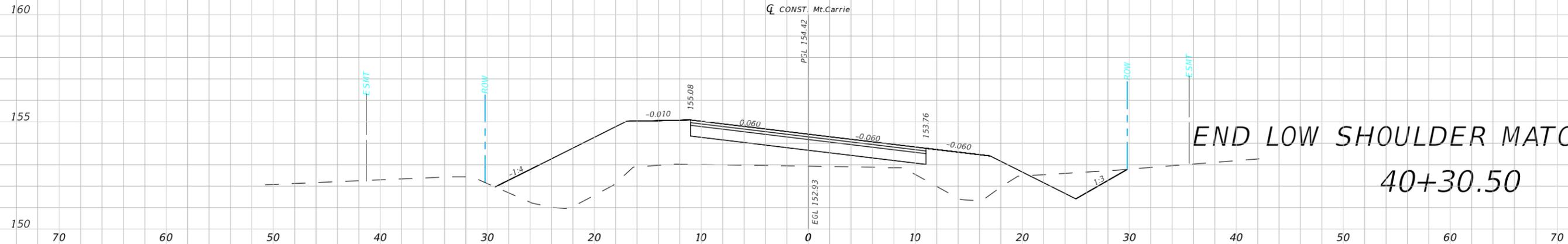
**ROADWAY CROSS SECTION**

43



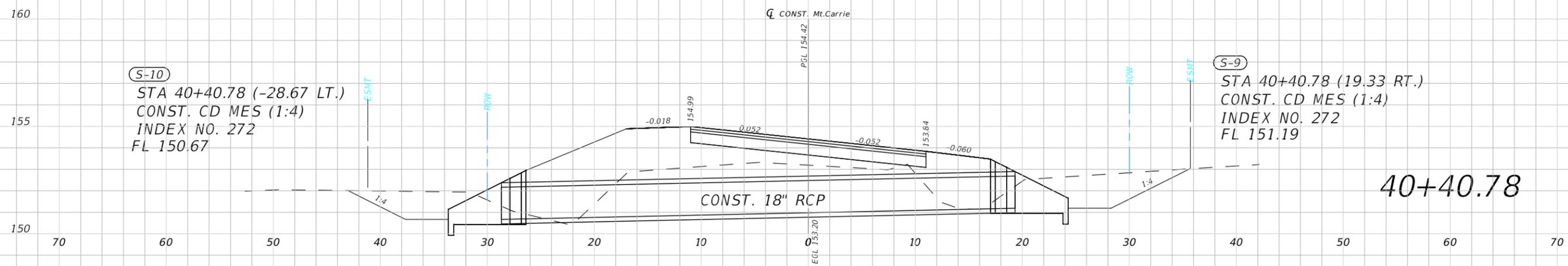
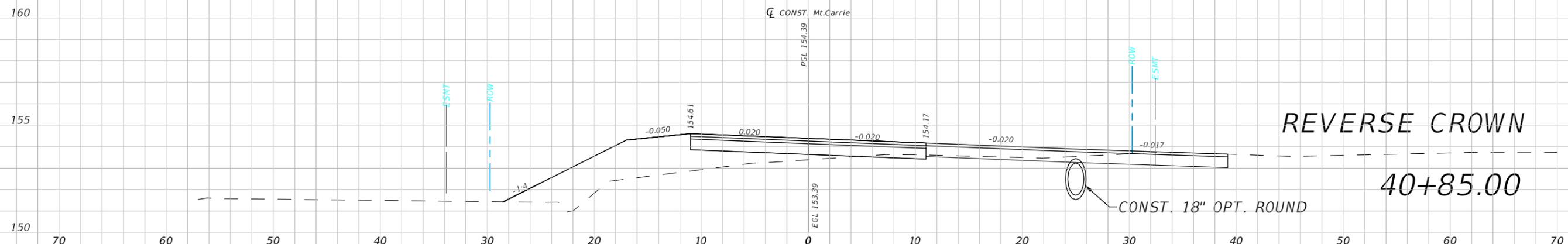
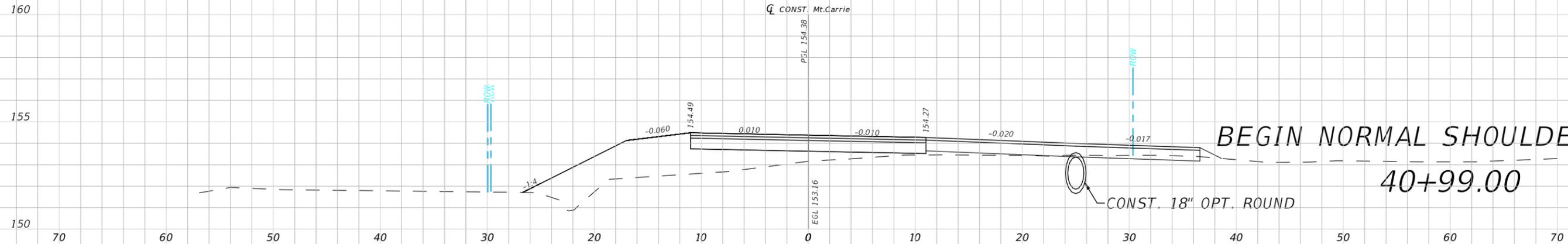
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 44
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



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

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 45
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		

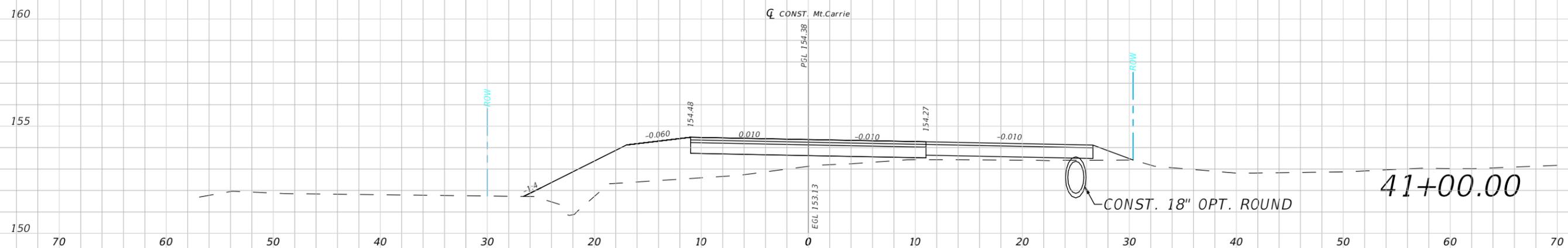
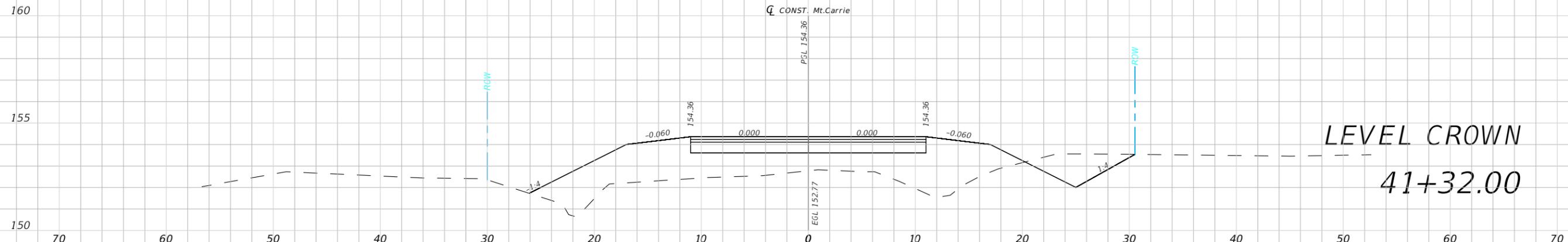
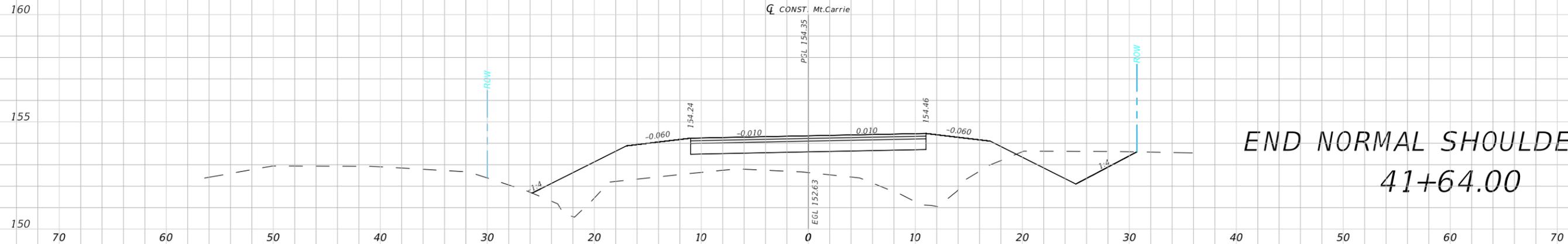


(S-10)  
 STA 40+40.78 (-28.67 LT.)  
 CONST. CD MES (1:4)  
 INDEX NO. 272  
 FL 150.67

(S-9)  
 STA 40+40.78 (19.33 RT.)  
 CONST. CD MES (1:4)  
 INDEX NO. 272  
 FL 151.19

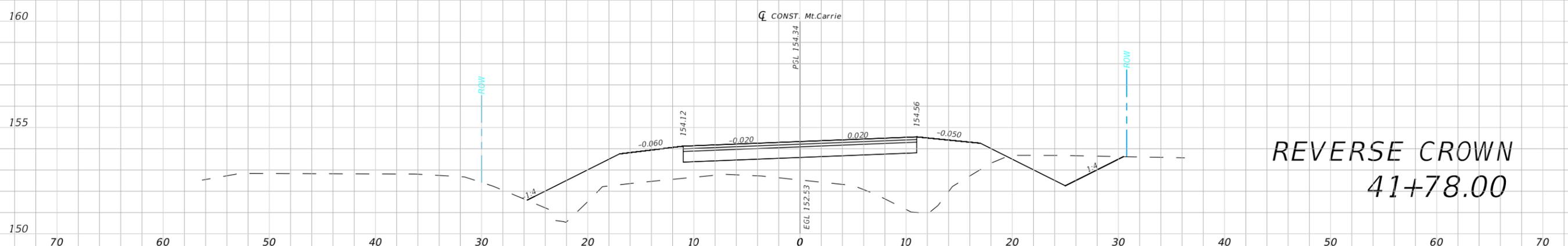
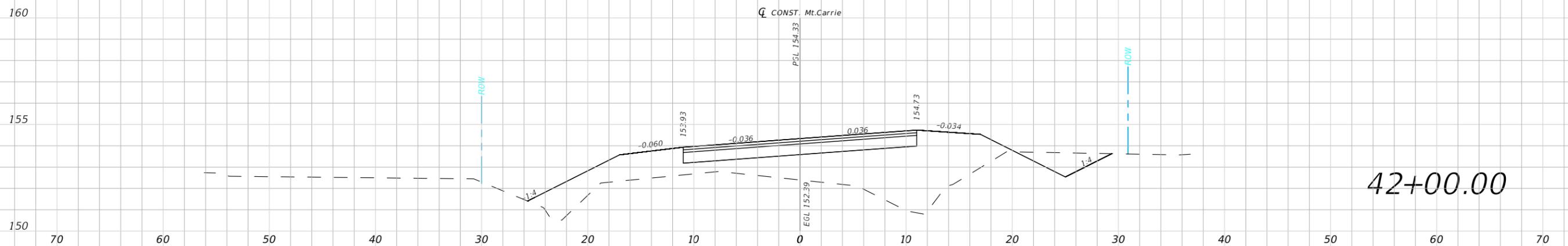
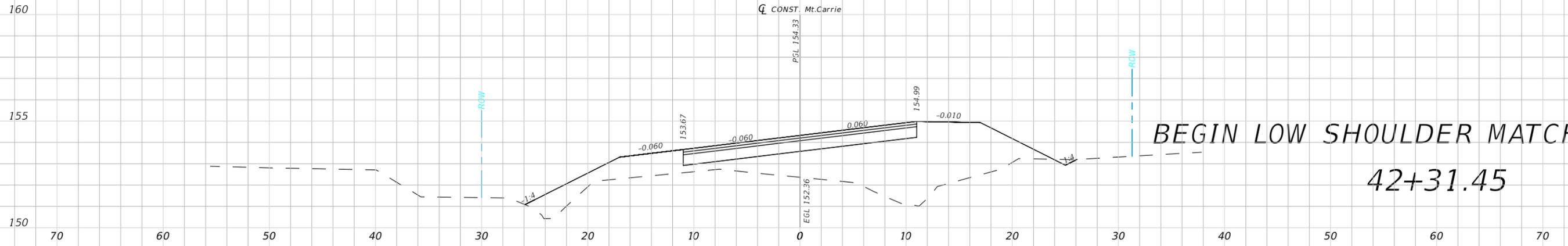
1" = 10' Horizontal  
 1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 46
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



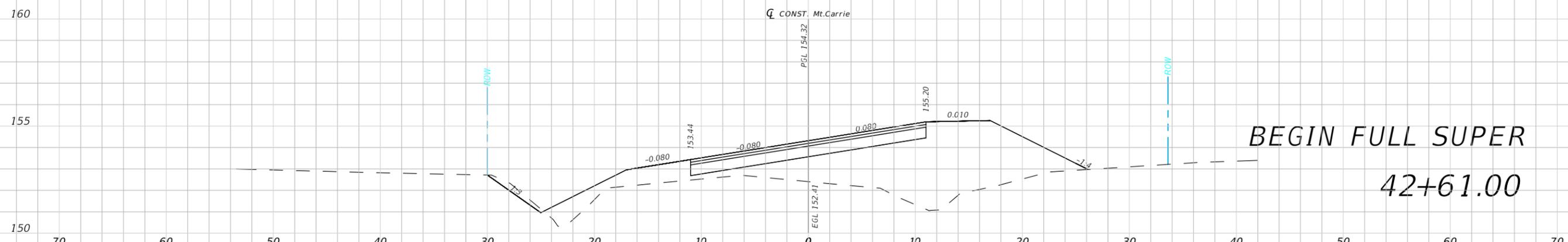
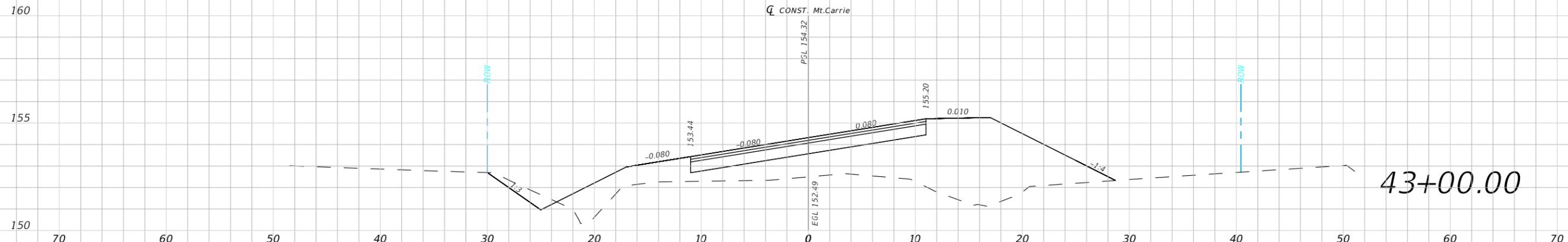
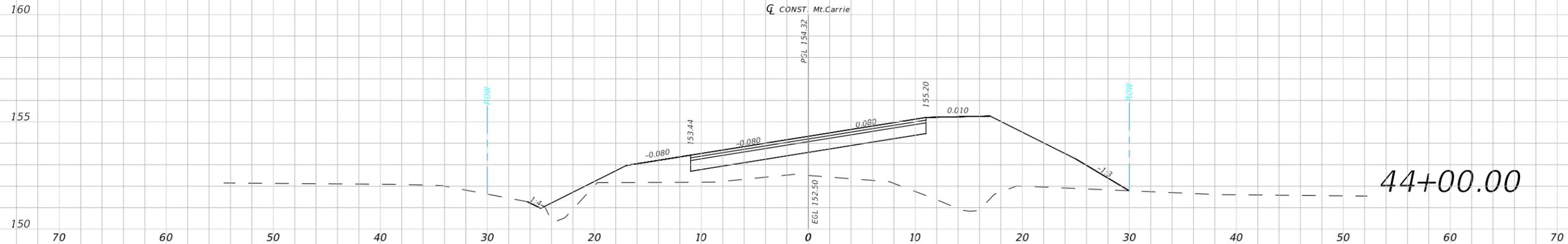
1" = 10' Horizontal  
 1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 47
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



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

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 48
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



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

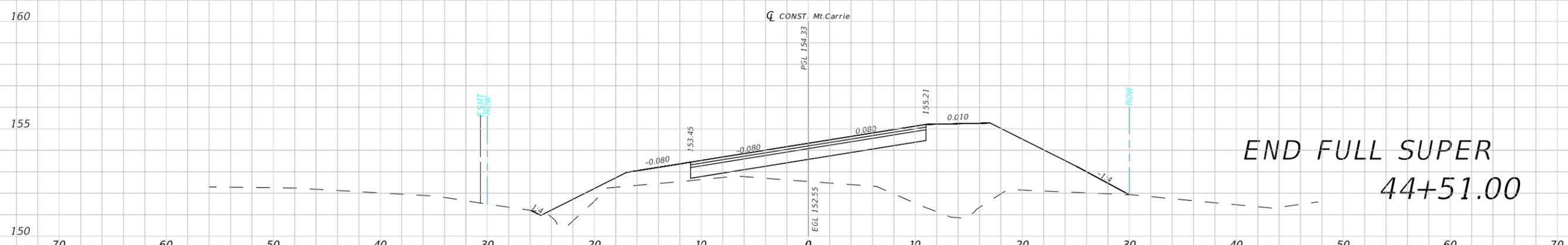
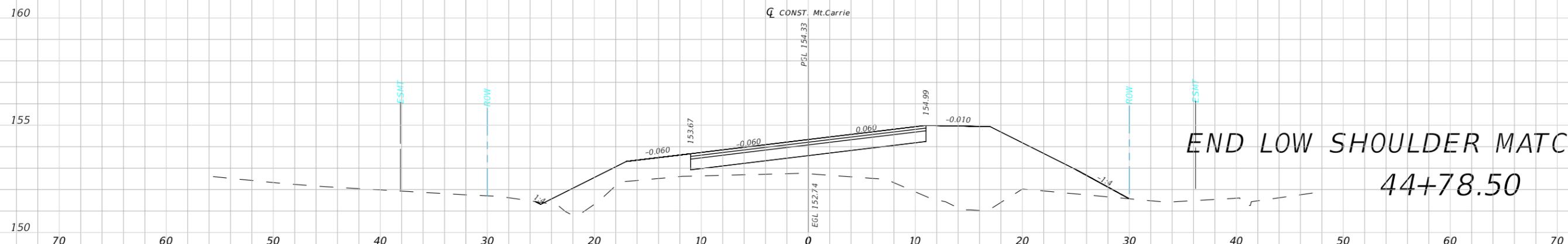
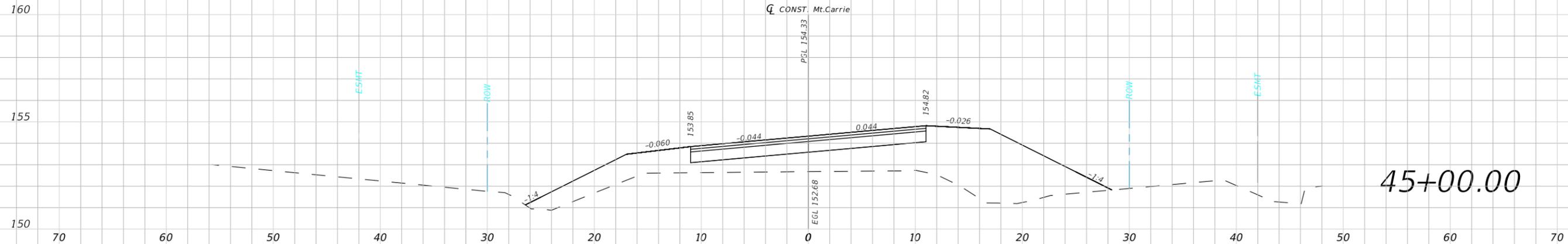
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.  
P.O. BOX 2823  
LAKE CITY, FLORIDA 32056  
PH 386-752-4675 FAX 386-752-4674

MT. CARRIE ROAD		
DATE	COUNTY	PROJECT ID NUMBER
01/16	COLUMBIA COUNTY	L151106CCB

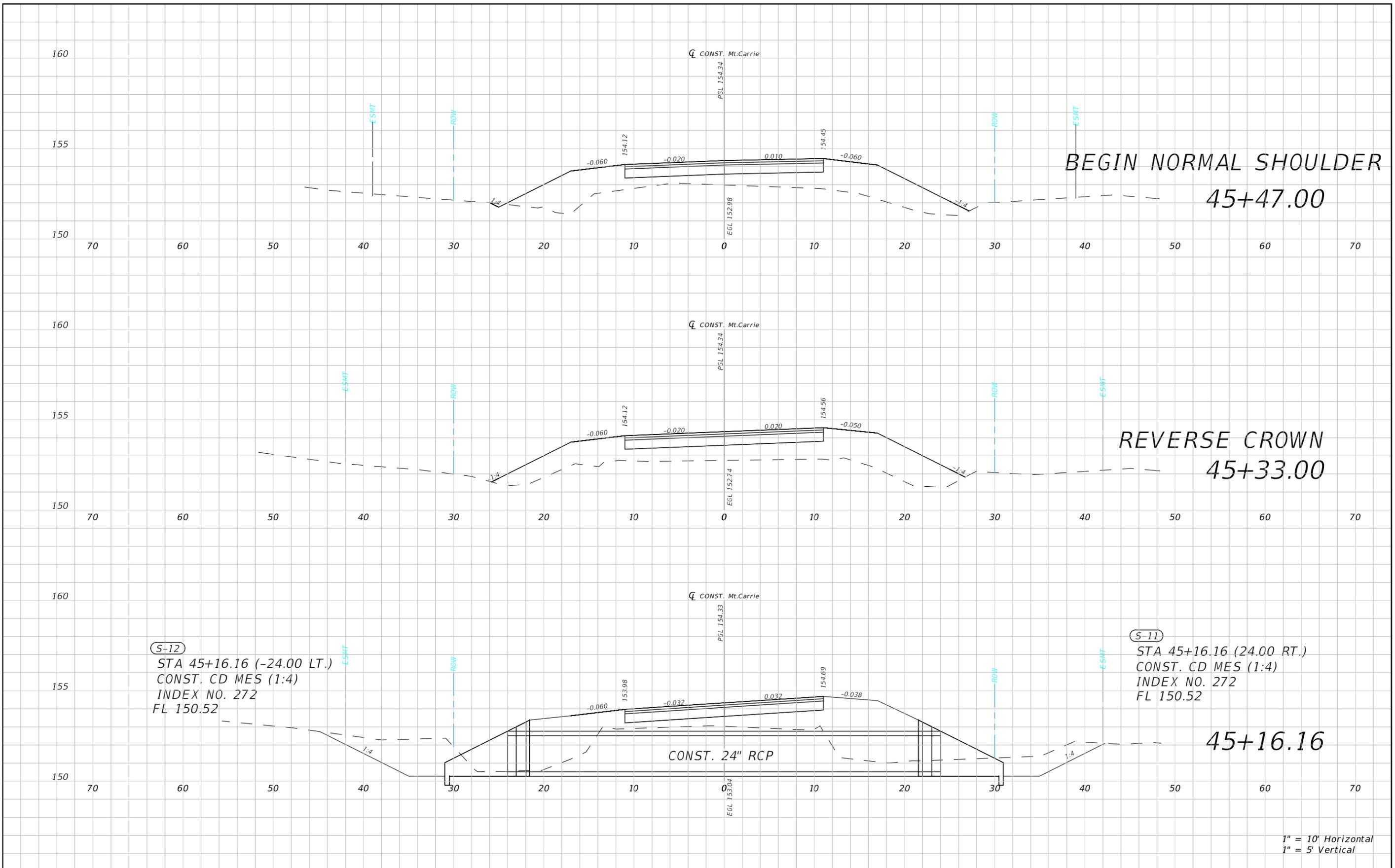
**ROADWAY CROSS SECTION**

SHEET NO.  
49



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

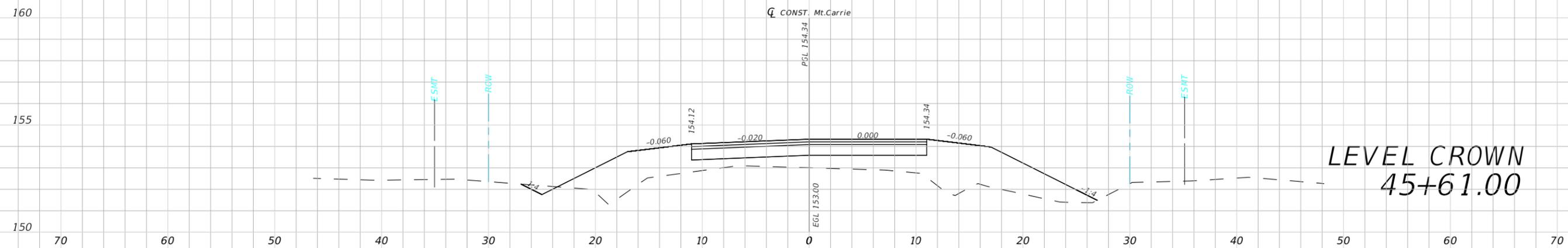
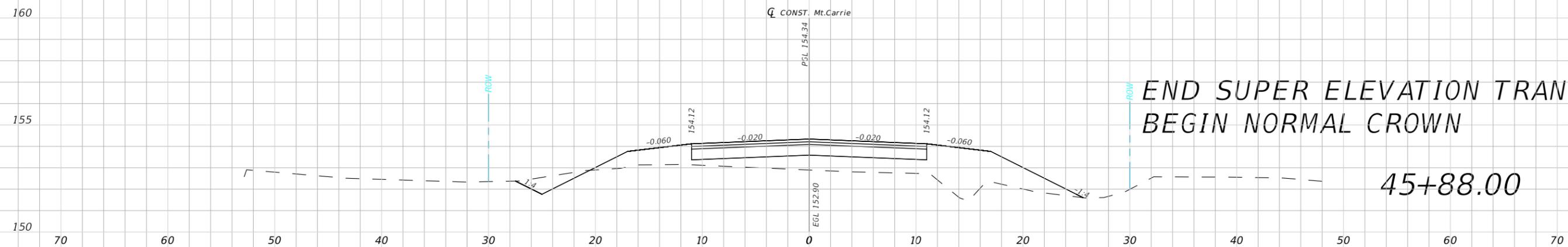
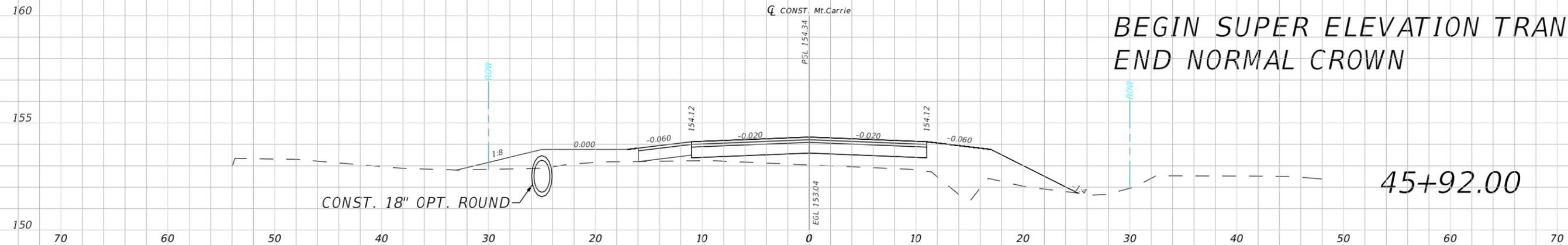
REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 50
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



(S-12)  
 STA 45+16.16 (-24.00 LT.)  
 CONST. CD MES (1:4)  
 INDEX NO. 272  
 FL 150.52

(S-11)  
 STA 45+16.16 (24.00 RT.)  
 CONST. CD MES (1:4)  
 INDEX NO. 272  
 FL 150.52

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 51
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



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

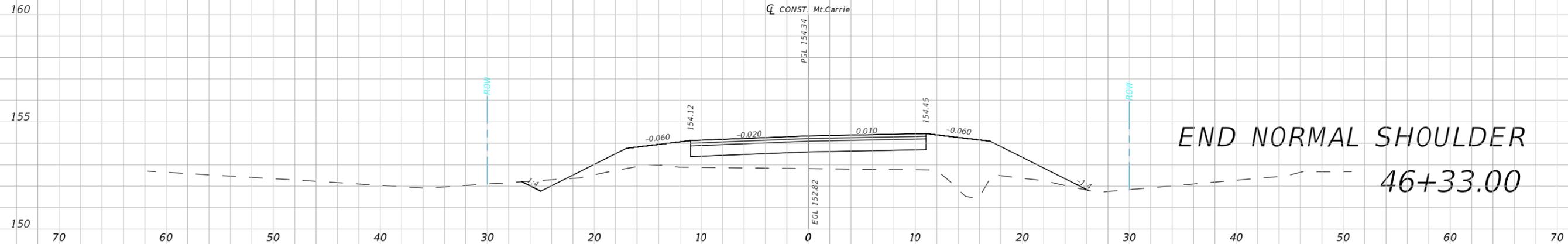
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.  
P.O. BOX 2823  
LAKE CITY, FLORIDA 32056  
PH 386-752-4675 FAX 386-752-4674

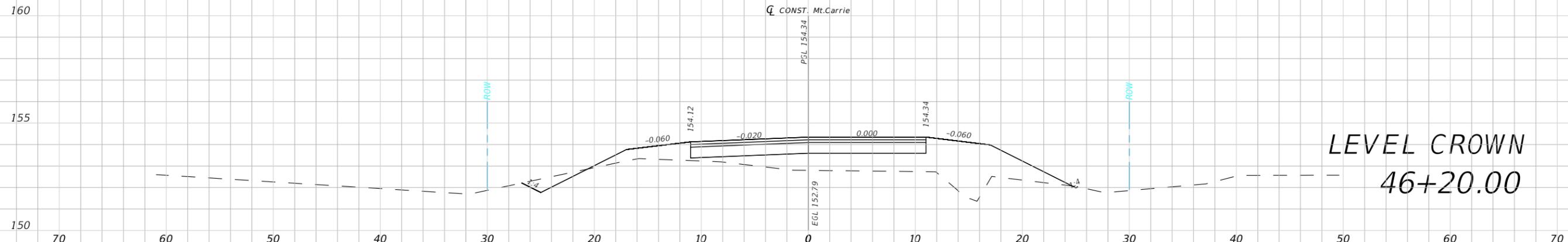
MT. CARRIE ROAD		
DATE	COUNTY	PROJECT ID NUMBER
01/16	COLUMBIA COUNTY	L151106CCB

**ROADWAY CROSS SECTION**

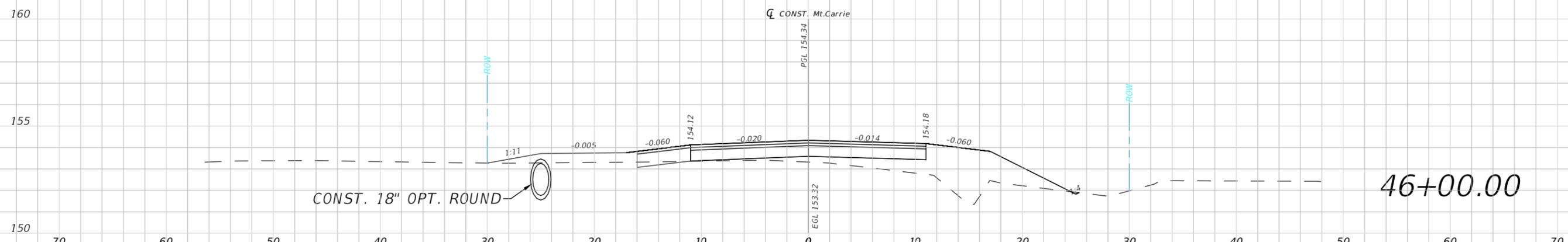
SHEET NO.  
52



END NORMAL SHOULDER  
46+33.00



LEVEL CROWN  
46+20.00

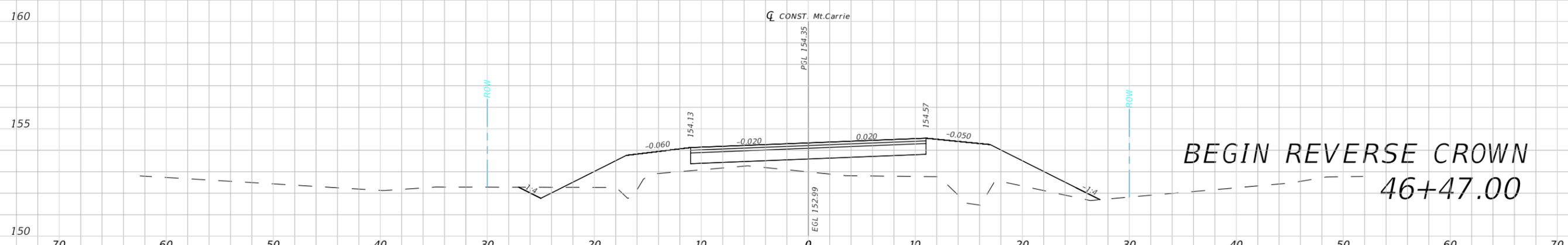
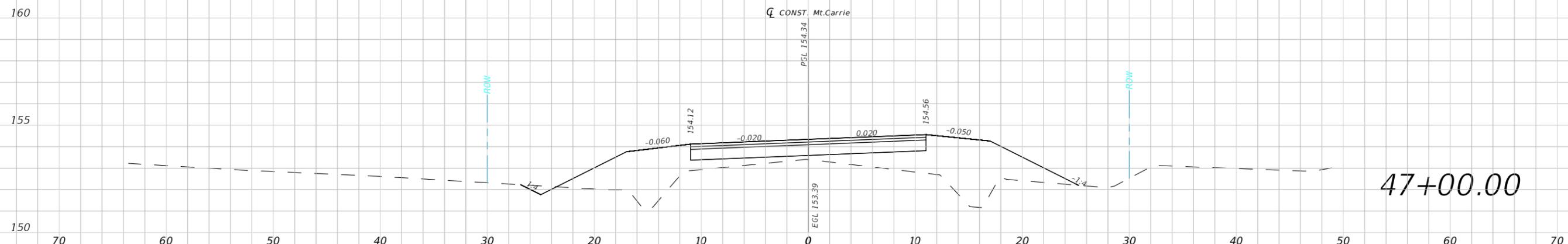
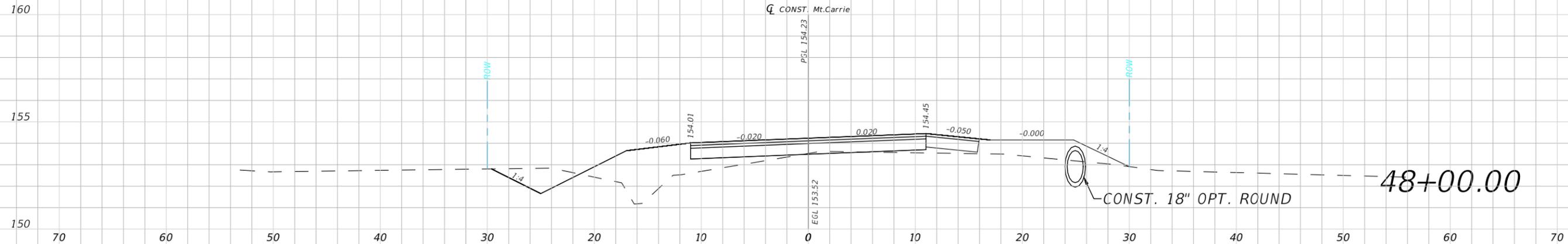


CONST. 18" OPT. ROUND

46+00.00

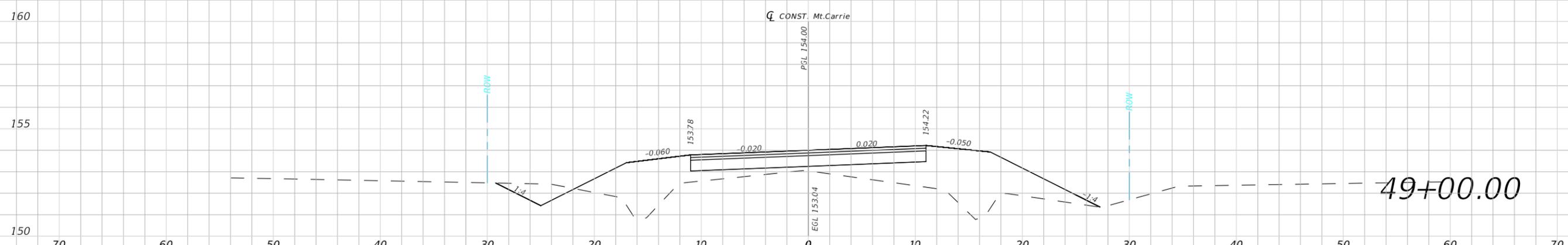
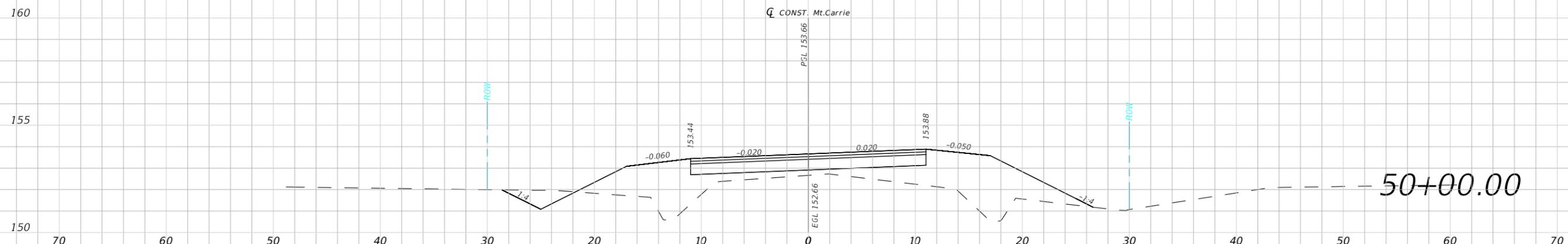
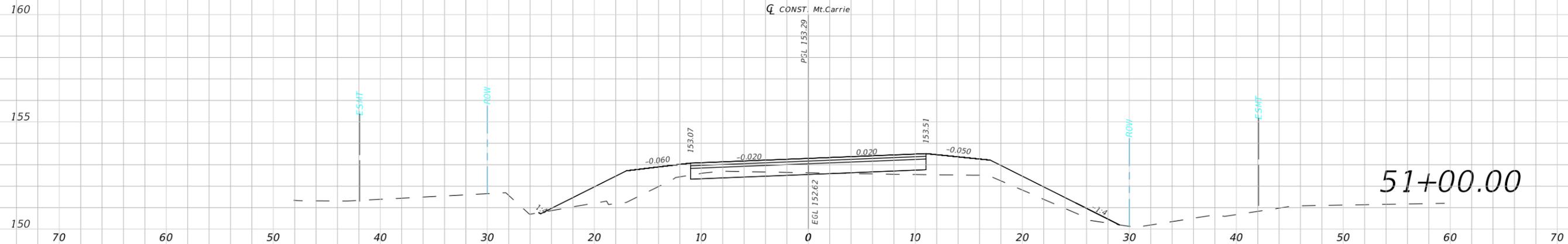
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 53
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



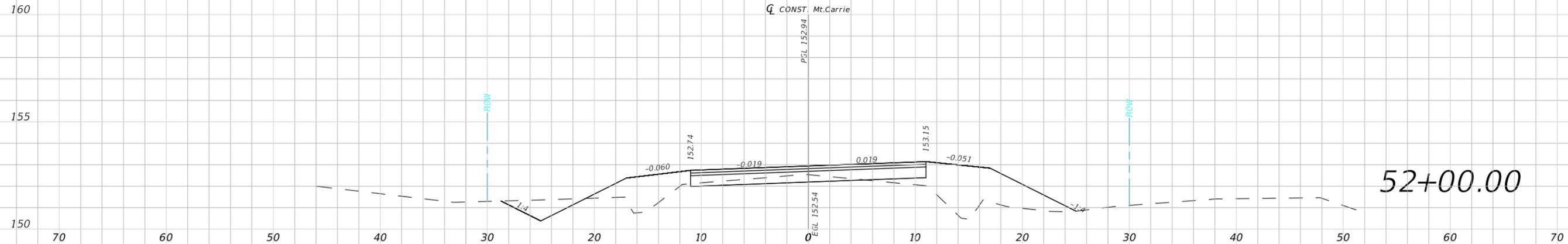
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 54
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		

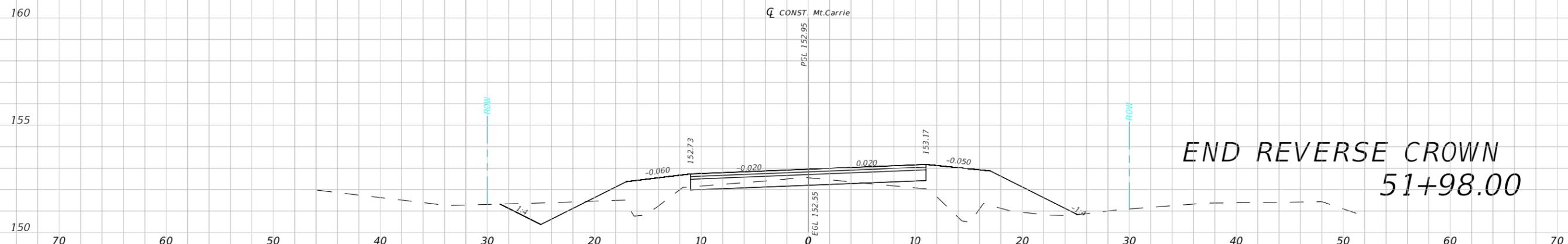


1" = 10' Horizontal  
1" = 5' Vertical

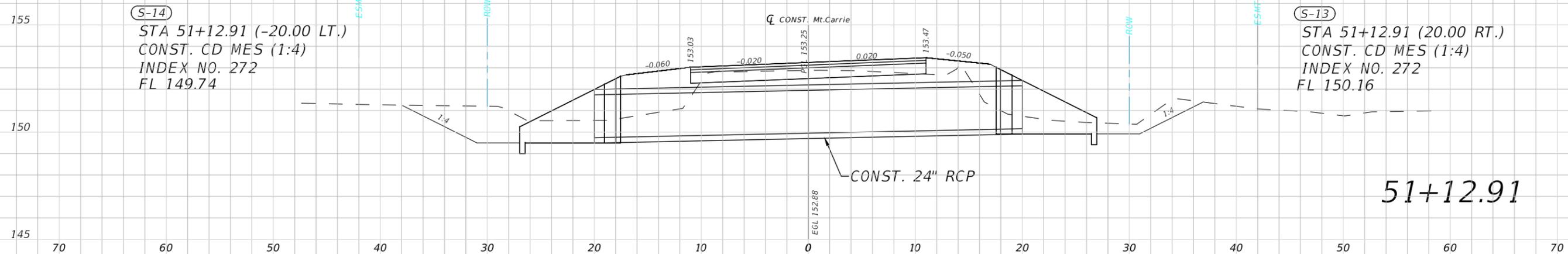
REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 55
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



52+00.00



END REVERSE CROWN  
51+98.00



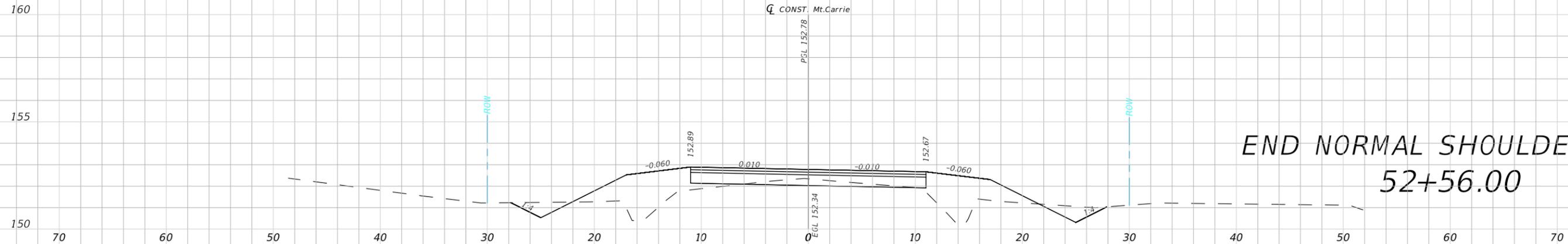
(S-14)  
STA 51+12.91 (-20.00 LT.)  
CONST. CD MES (1:4)  
INDEX NO. 272  
FL 149.74

(S-13)  
STA 51+12.91 (20.00 RT.)  
CONST. CD MES (1:4)  
INDEX NO. 272  
FL 150.16

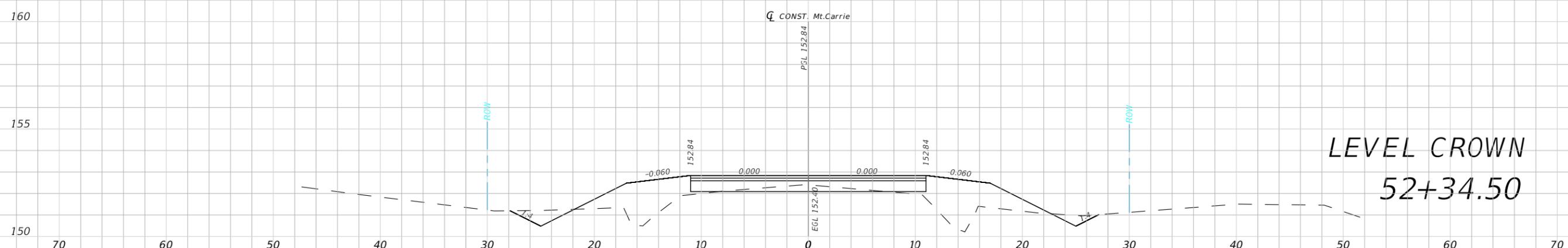
51+12.91

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

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 56
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



END NORMAL SHOULDER  
52+56.00



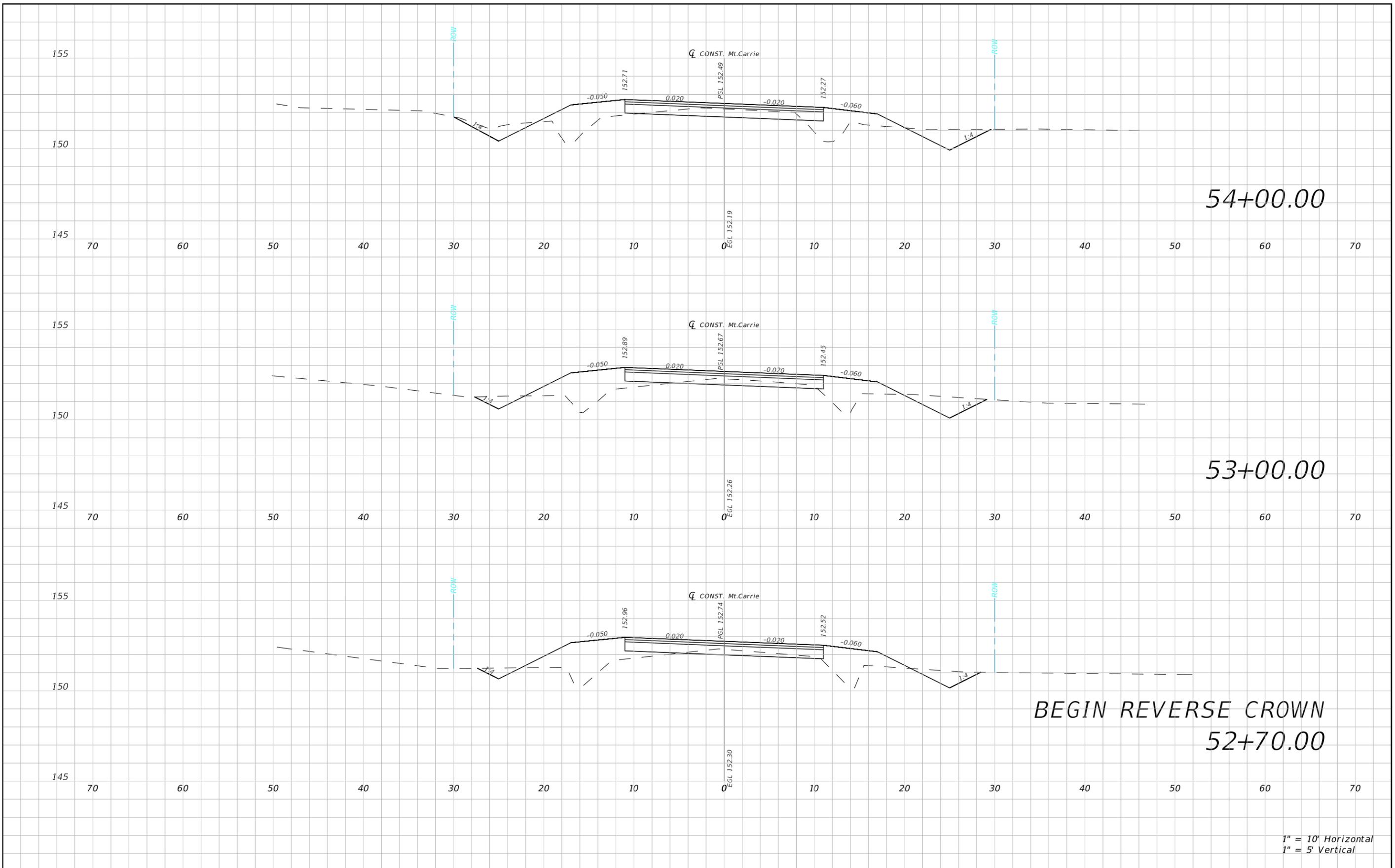
LEVEL CROWN  
52+34.50



BEGIN NORMAL SHOULDER  
52+12.00

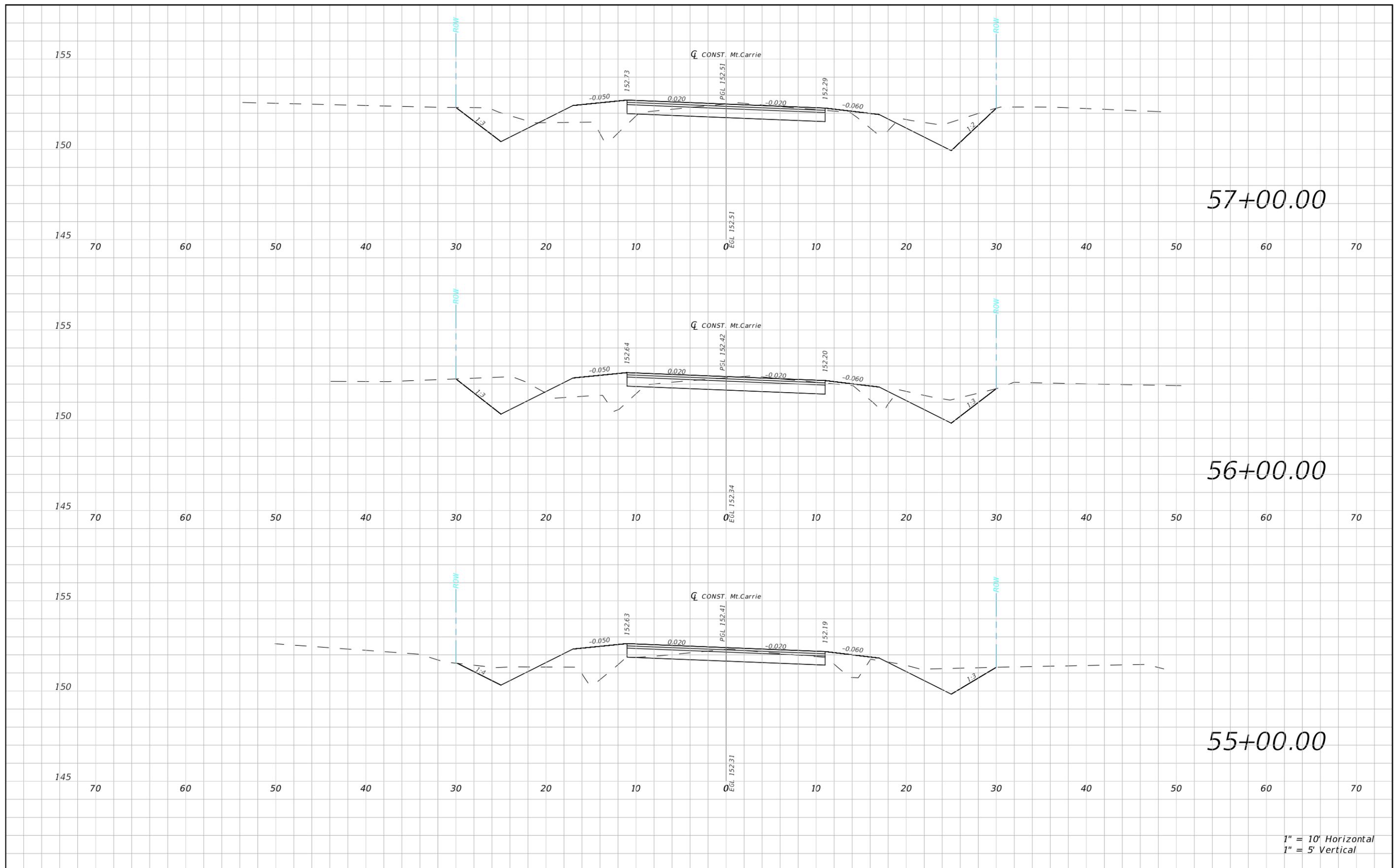
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 57
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



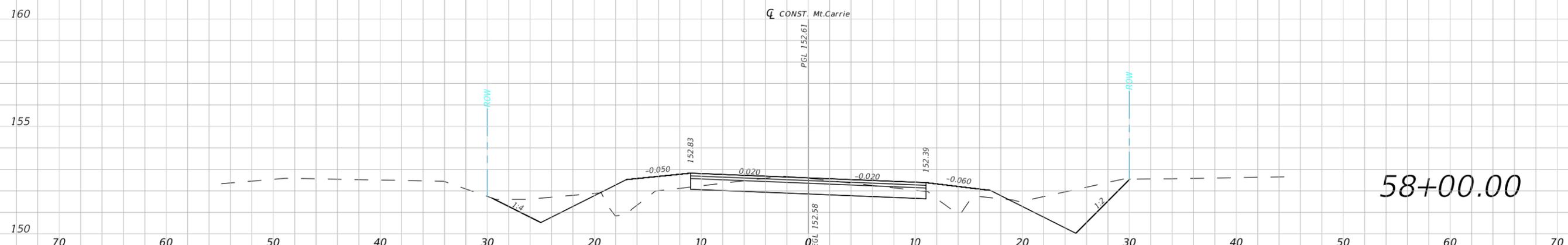
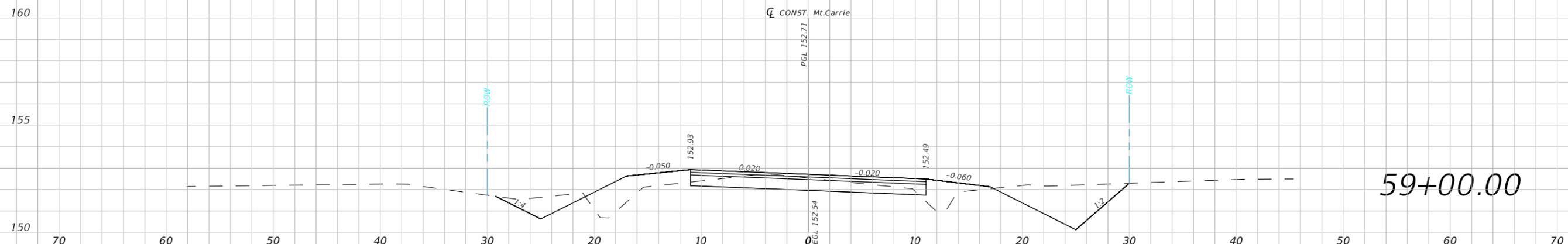
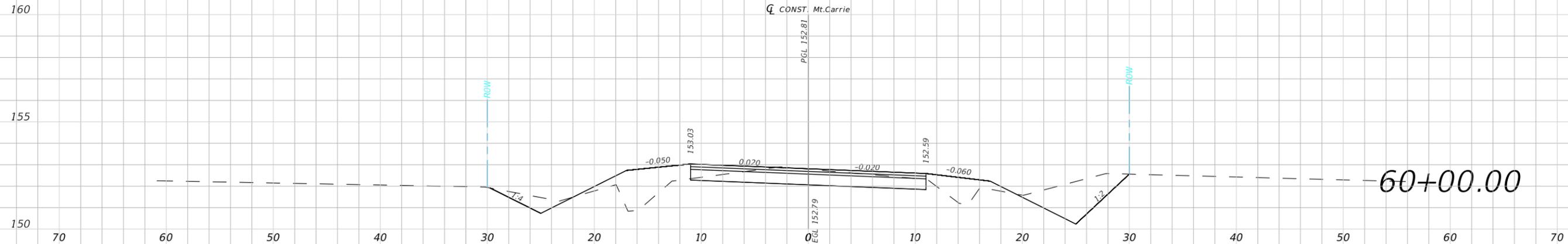
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 58
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



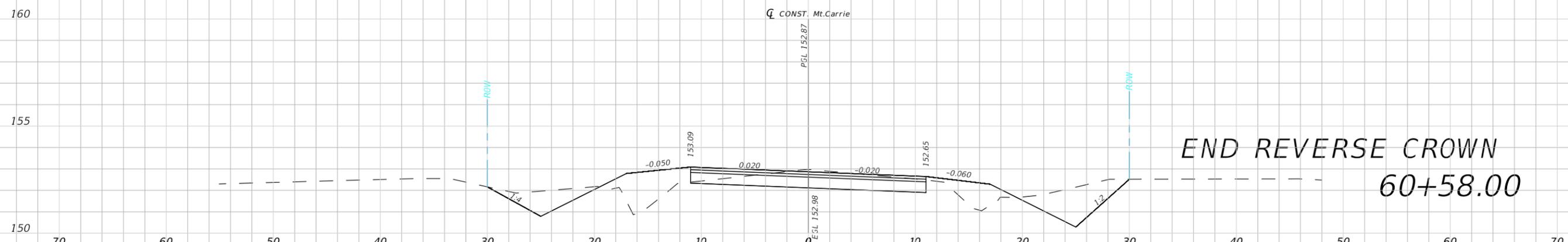
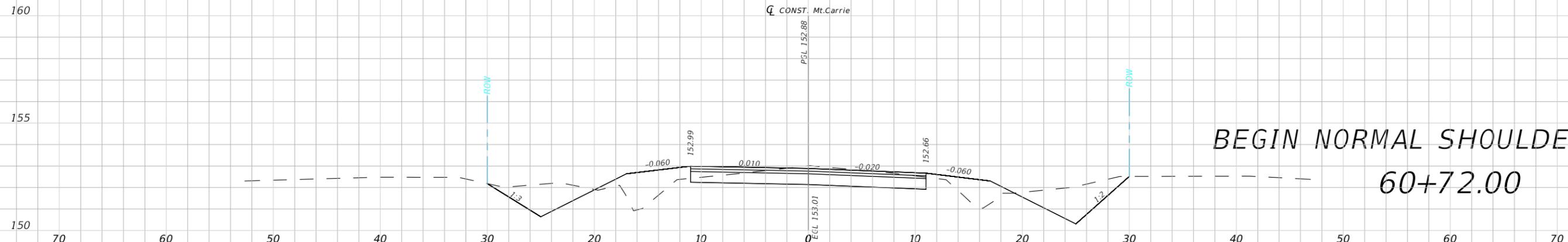
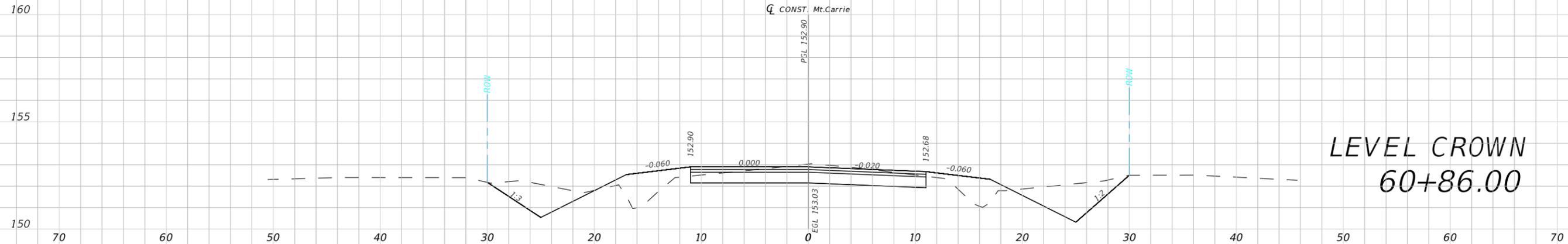
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 59
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



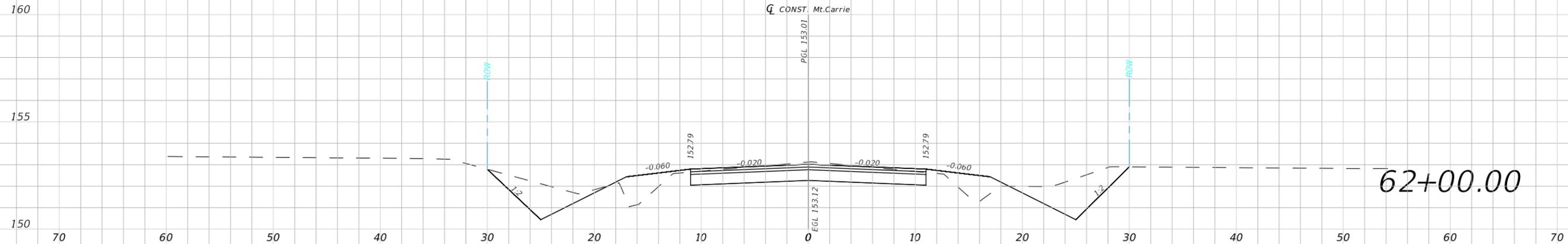
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 60
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		

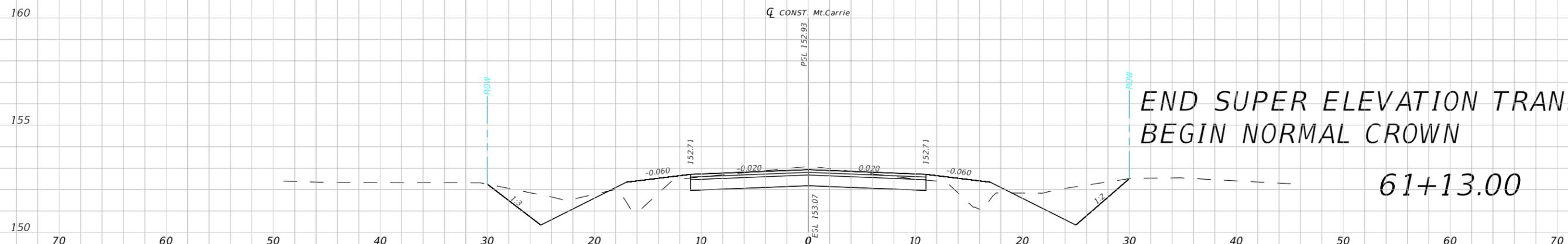


1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 61
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		

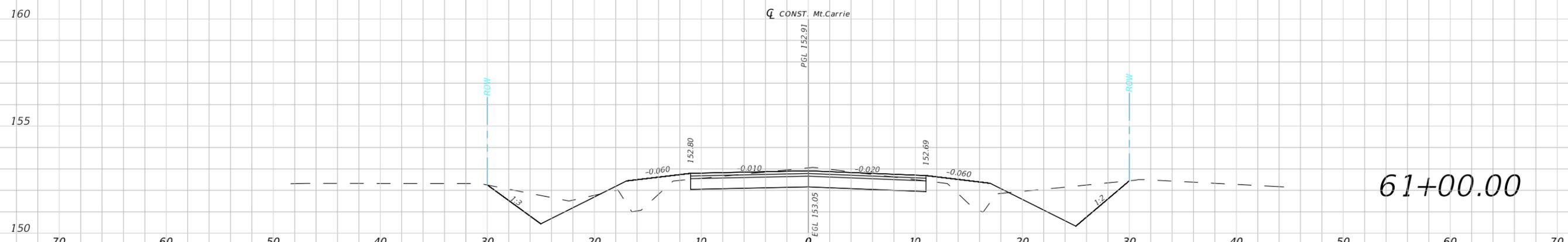


62+00.00



END SUPER ELEVATION TRANS.  
BEGIN NORMAL CROWN

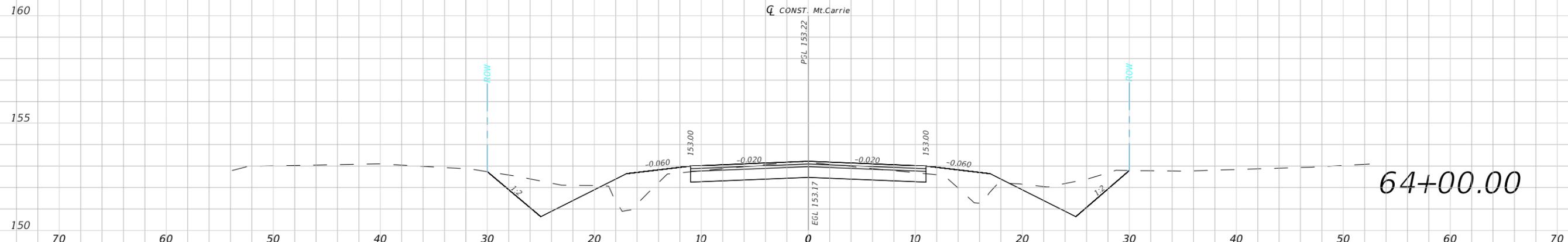
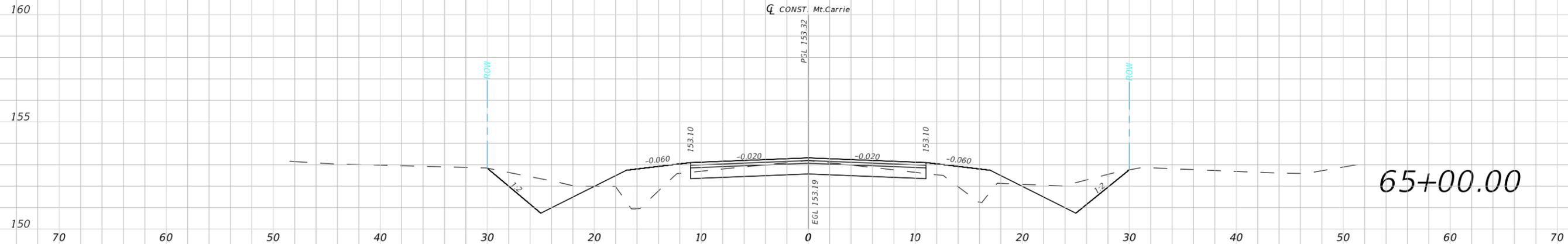
61+13.00



61+00.00

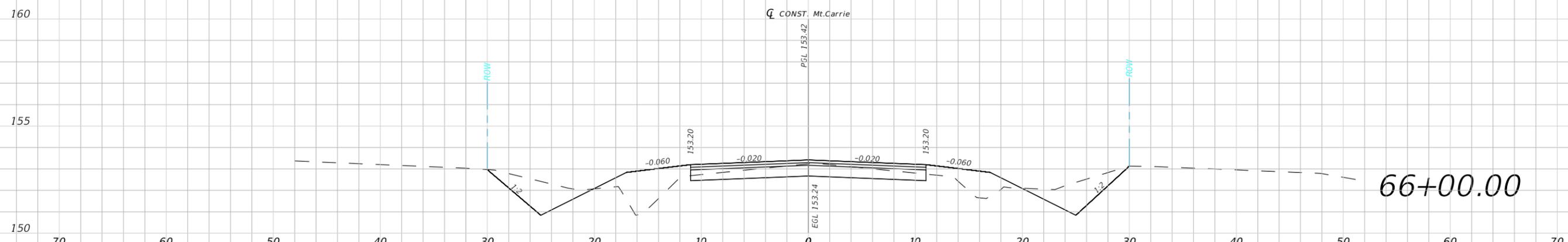
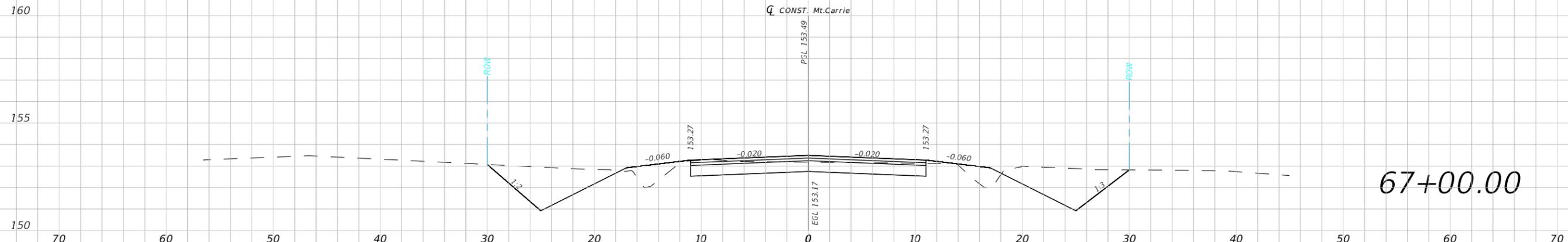
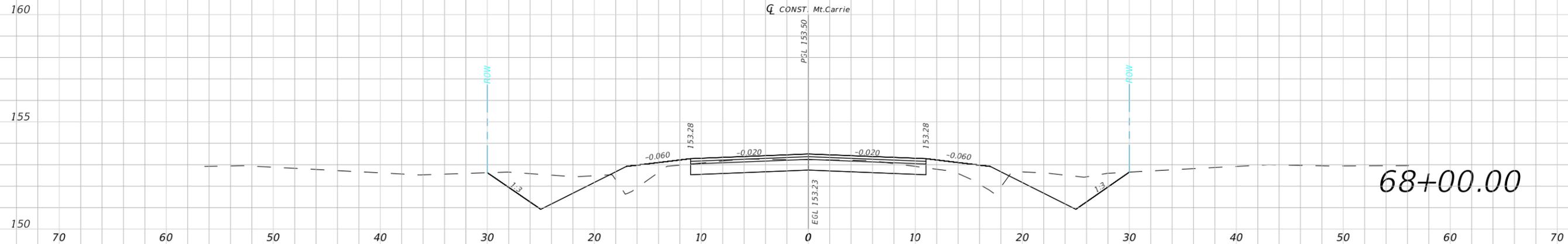
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 62
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



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

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 63
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



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

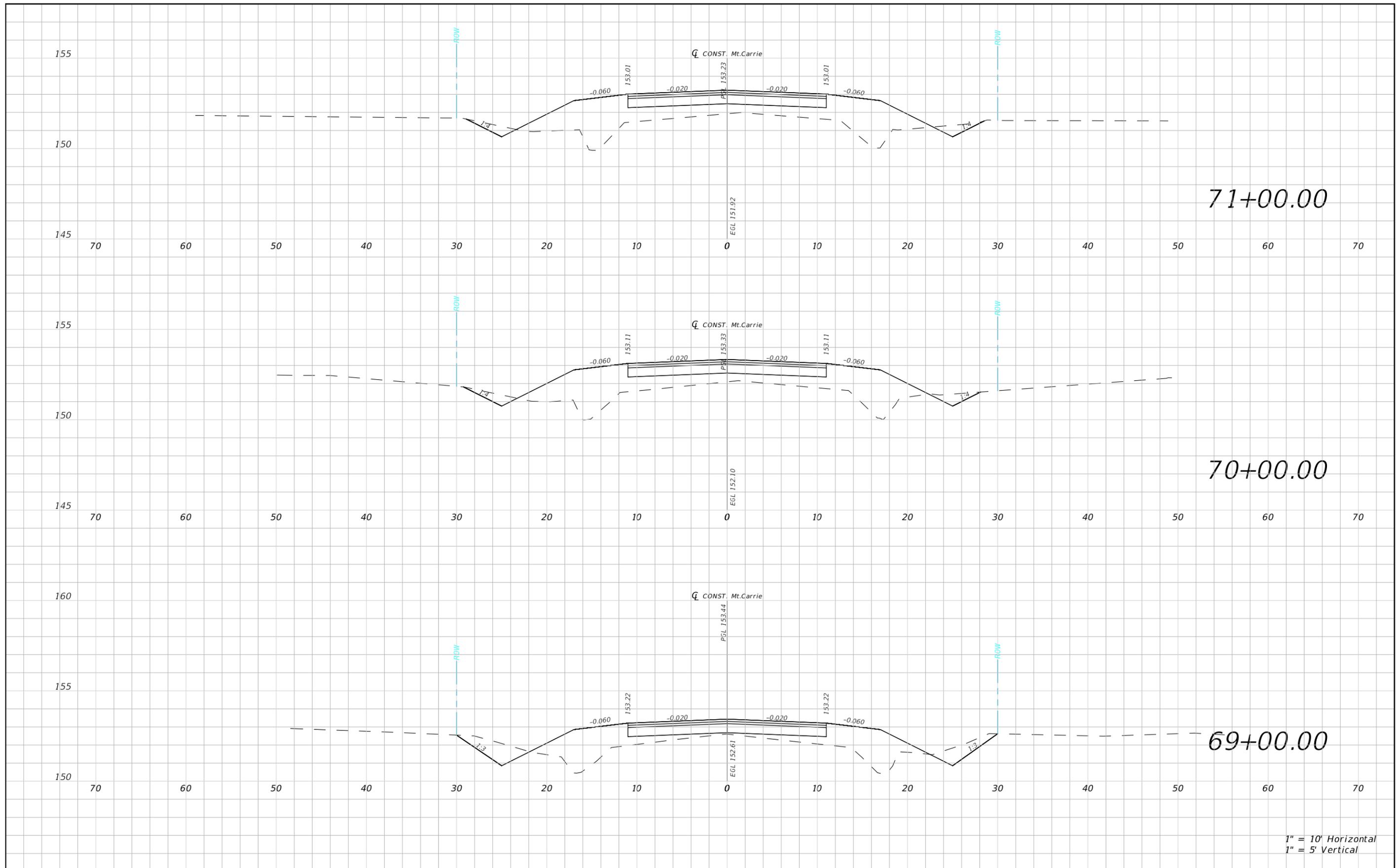
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.  
P.O. BOX 2823  
LAKE CITY, FLORIDA 32056  
PH 386-752-4675 FAX 386-752-4674

MT. CARRIE ROAD		
DATE	COUNTY	PROJECT ID NUMBER
01/16	COLUMBIA COUNTY	L151106CCB

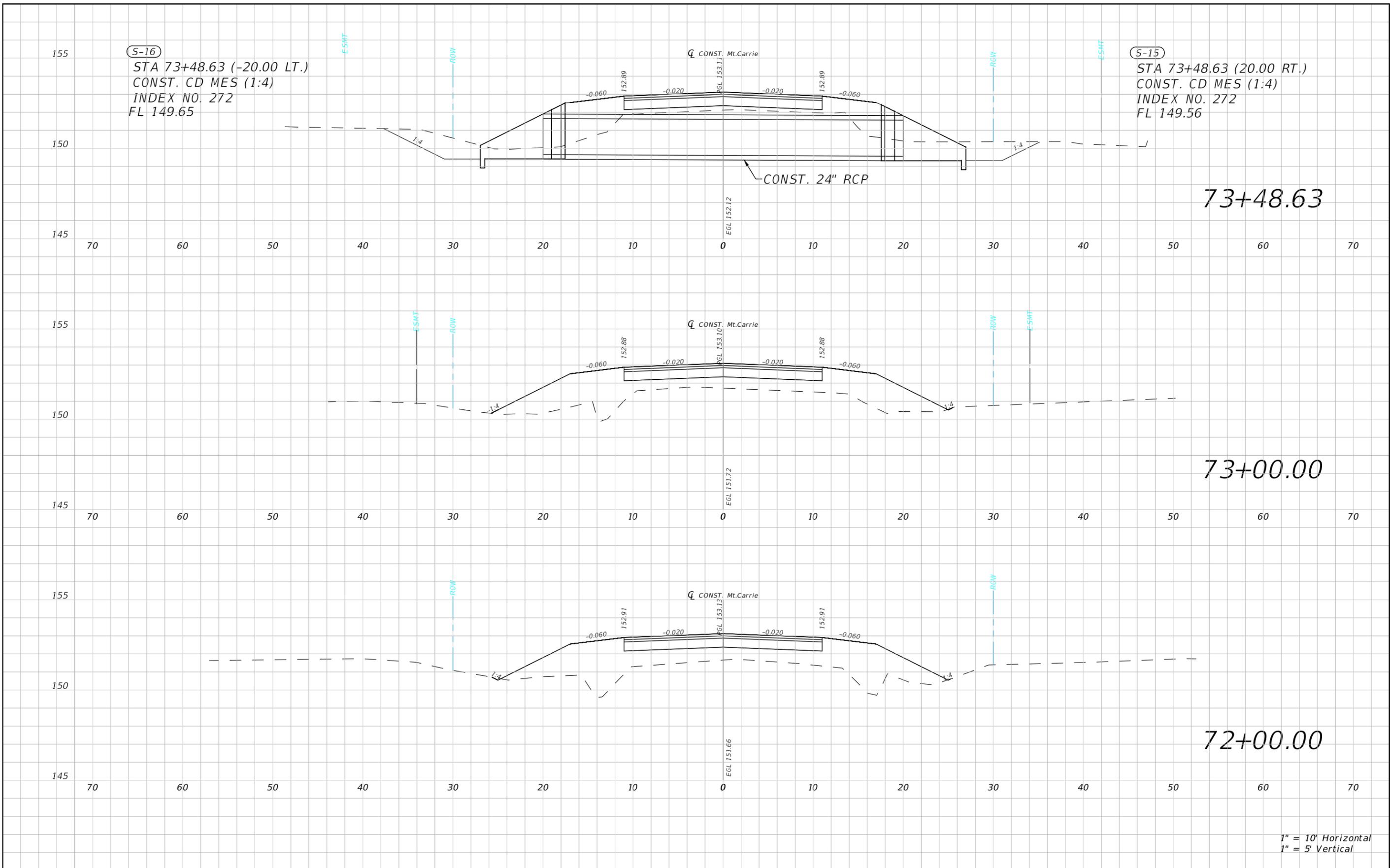
**ROADWAY CROSS SECTION**

SHEET NO.  
64



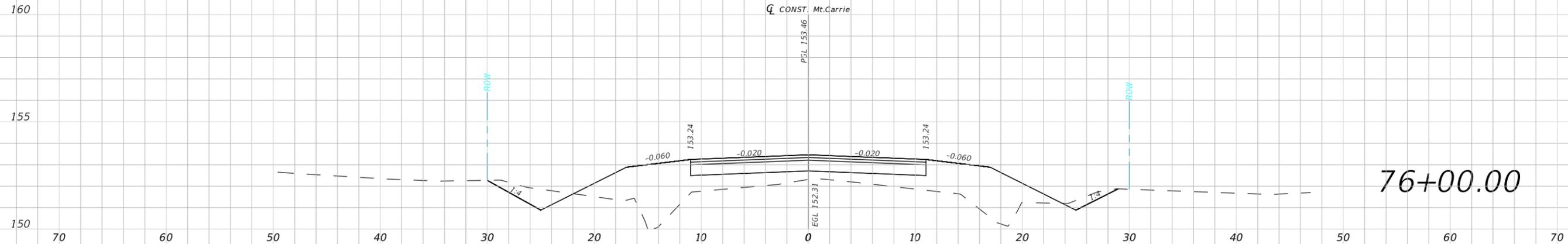
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 65
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		

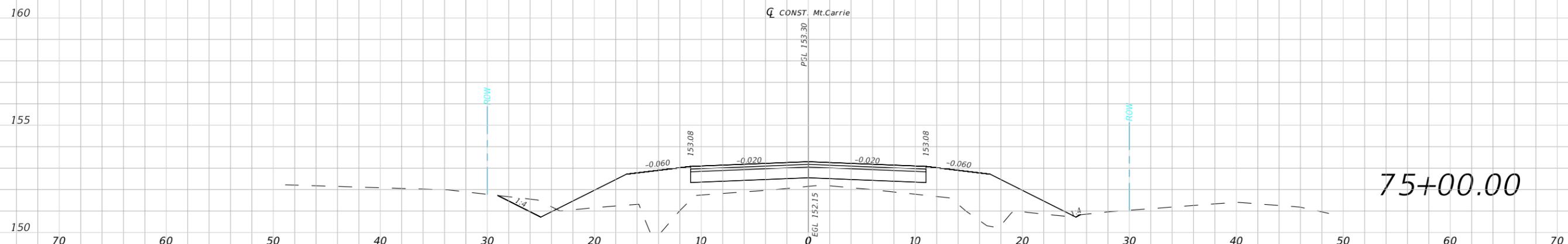


1" = 10' Horizontal  
1" = 5' Vertical

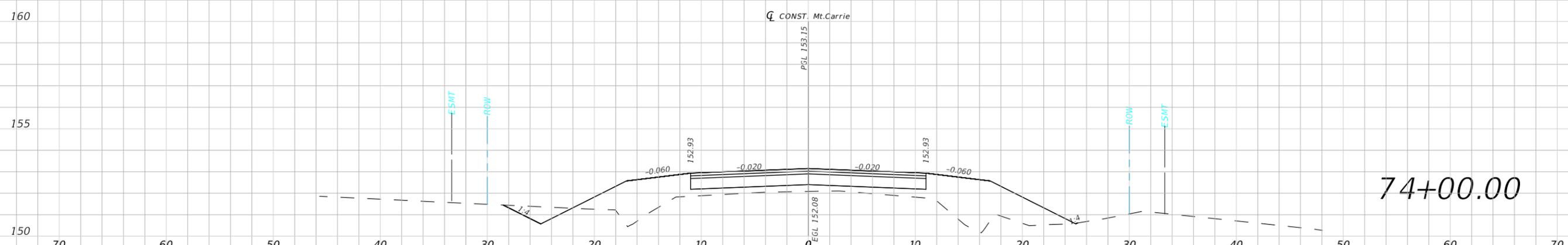
REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 66
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



76+00.00



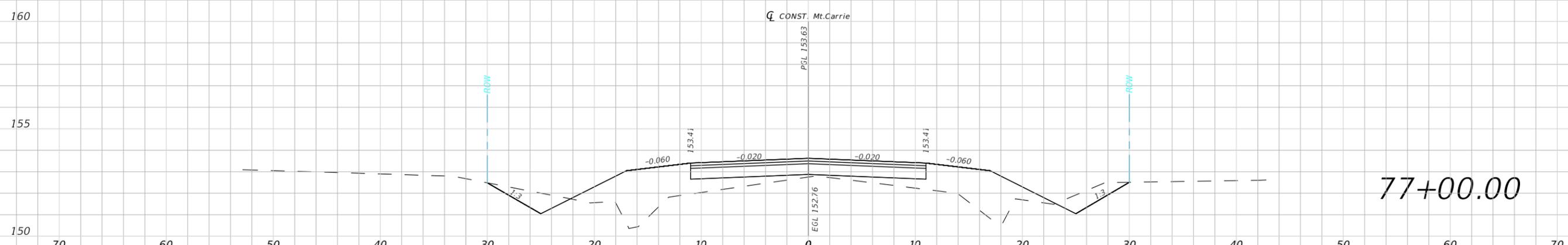
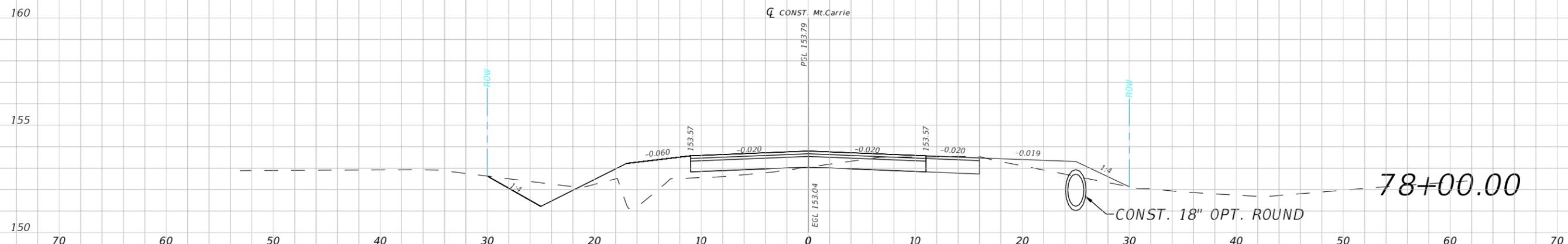
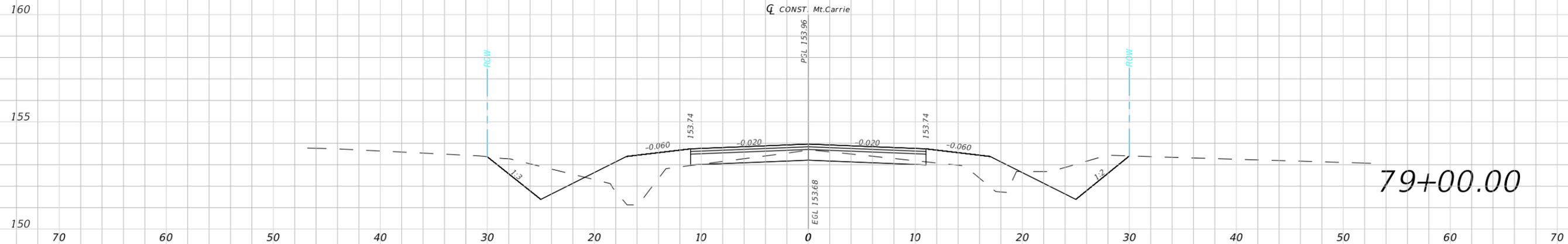
75+00.00



74+00.00

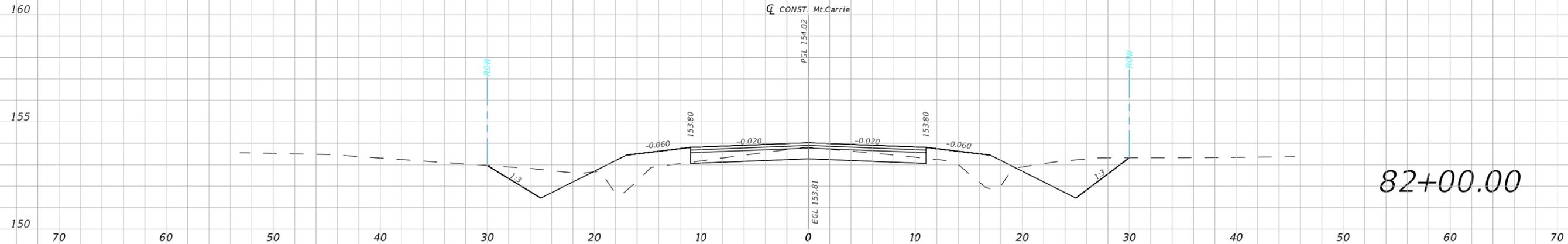
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 67
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		

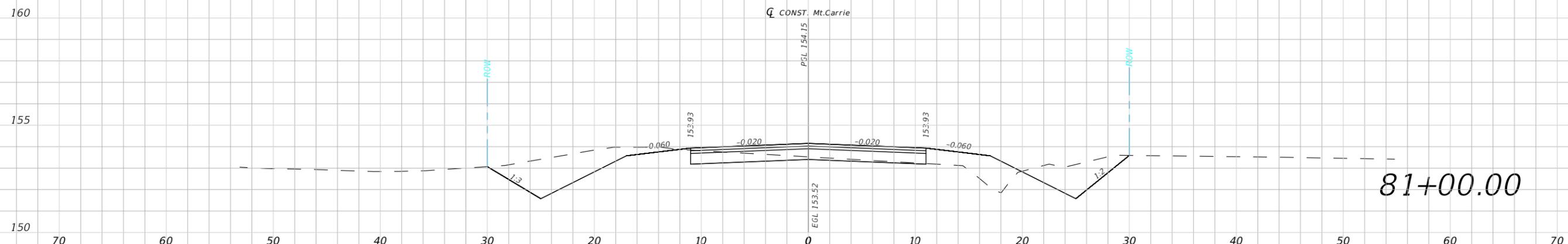


1" = 10' Horizontal  
1" = 5' Vertical

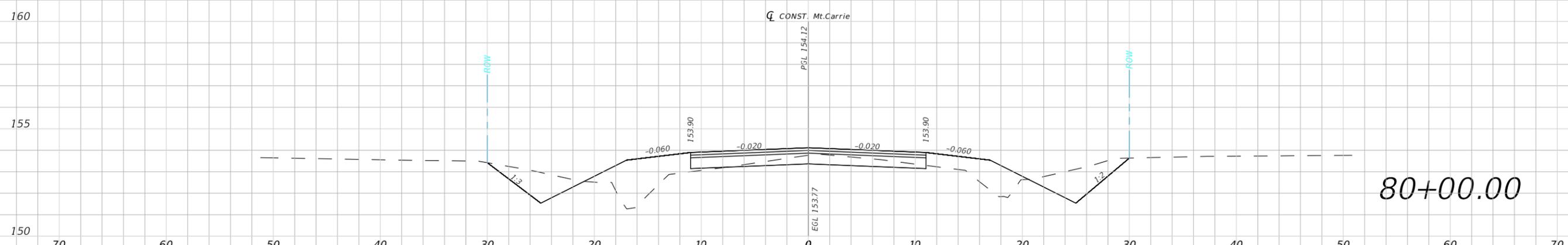
REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 68
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



82+00.00



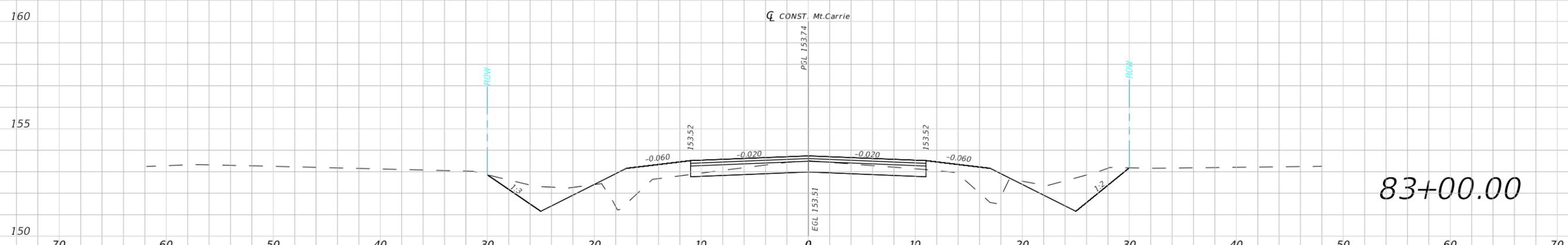
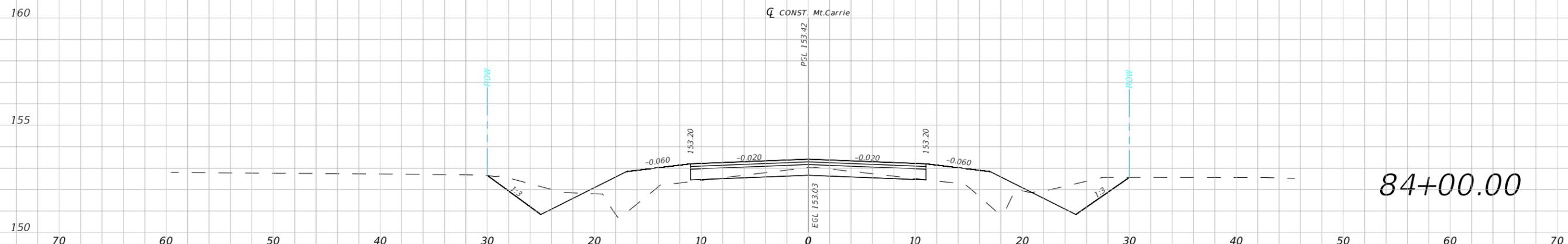
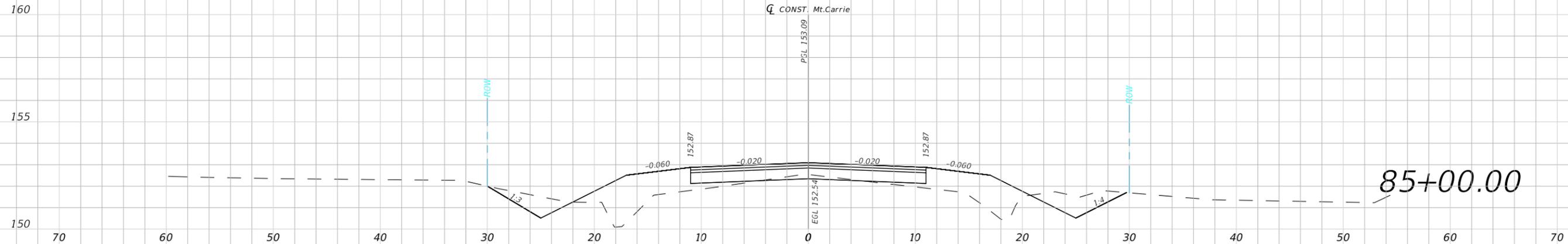
81+00.00



80+00.00

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

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 69
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



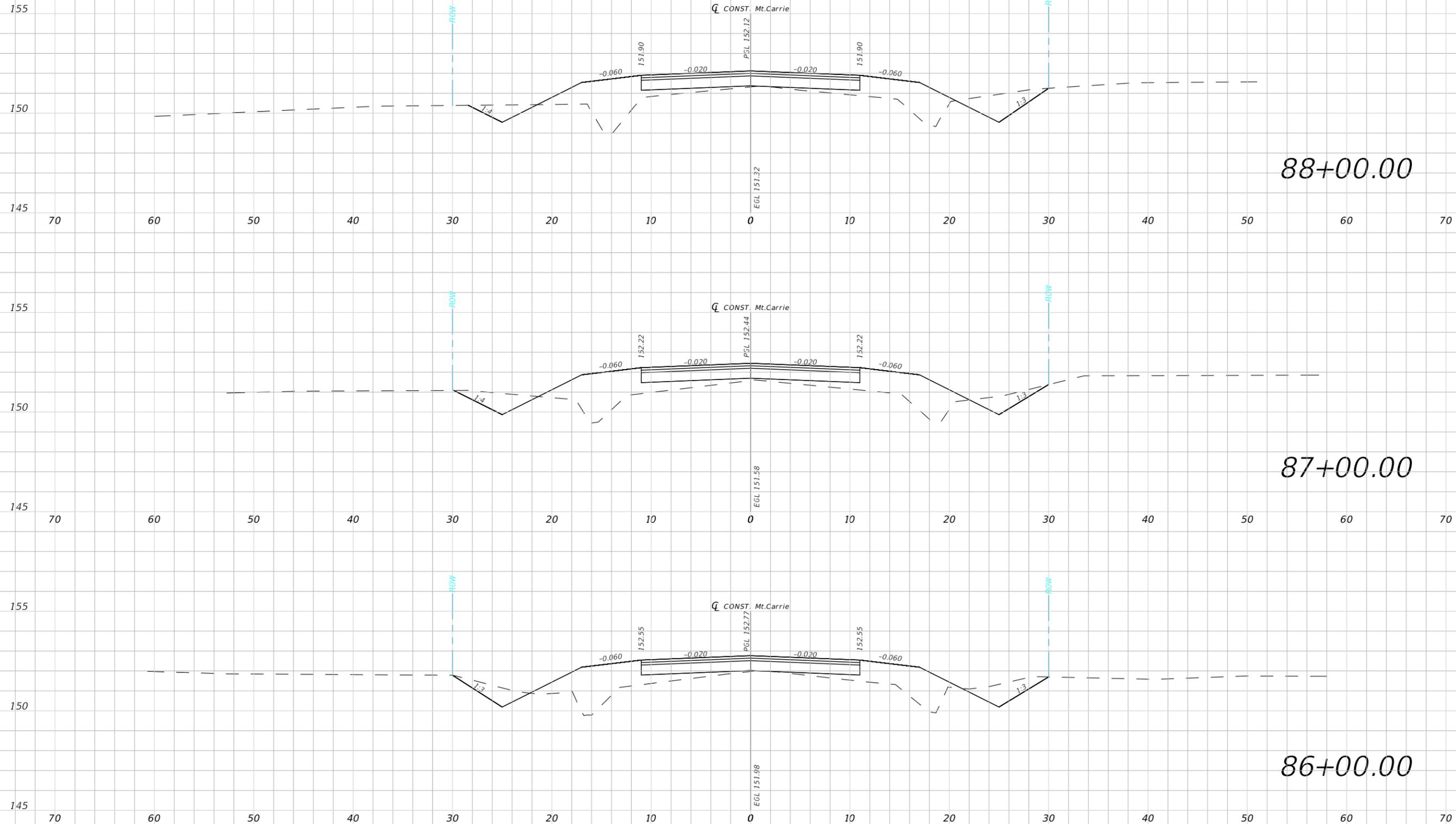
1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 70
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		

Chad McCormick

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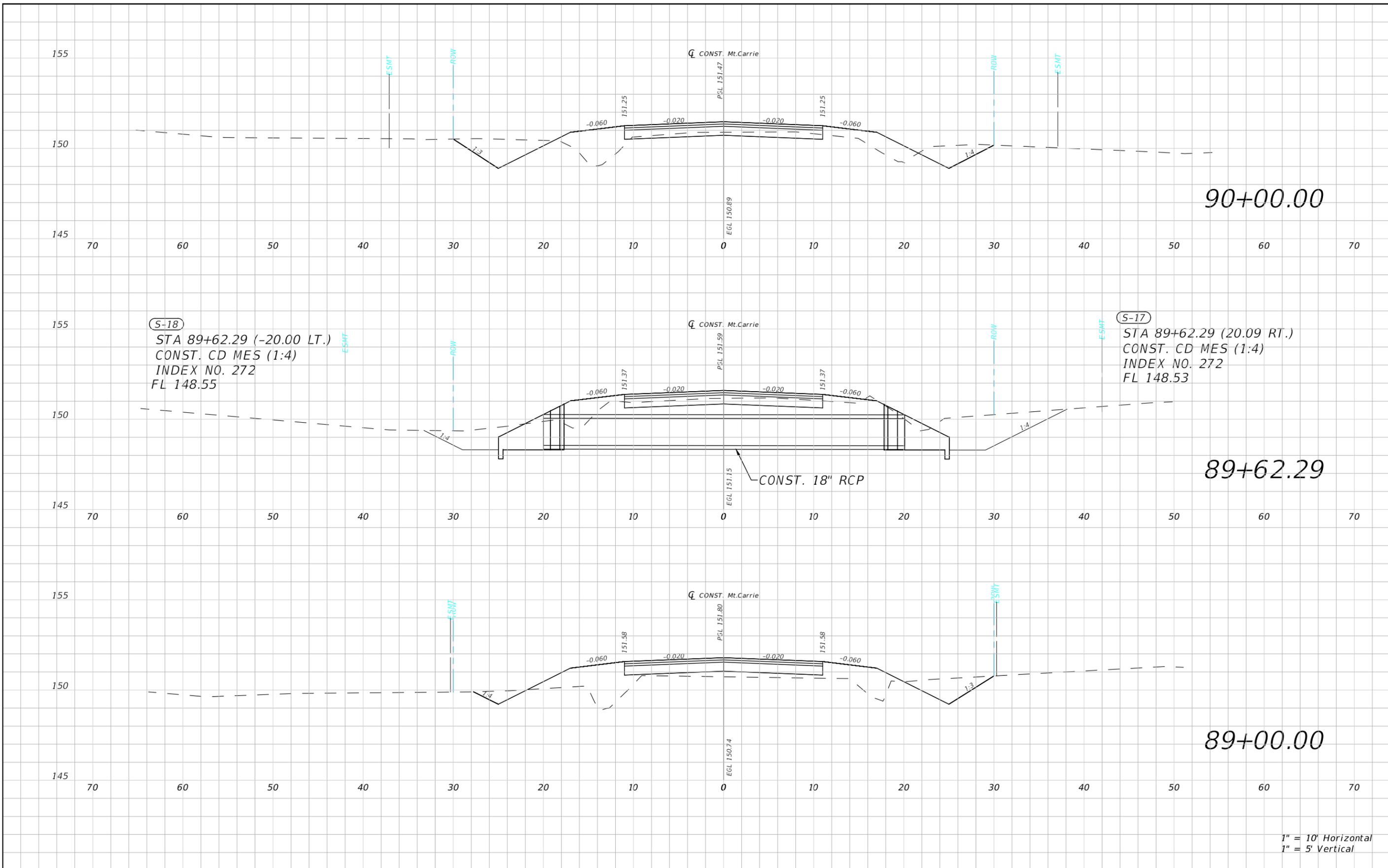
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1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 71
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



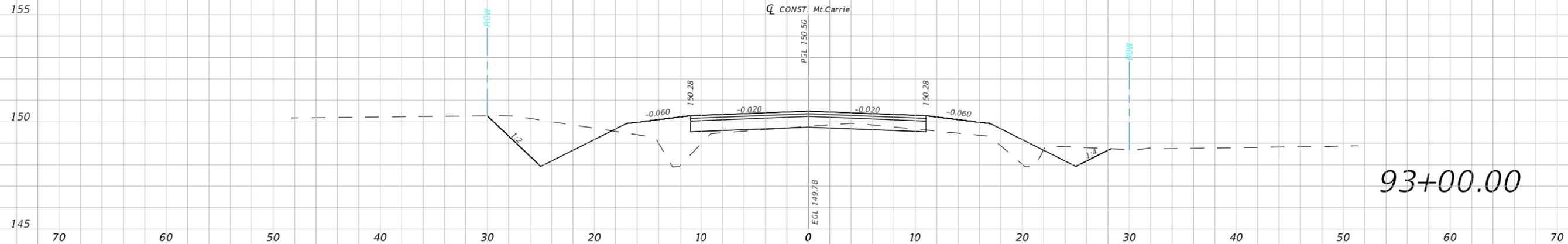
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1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 72
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		

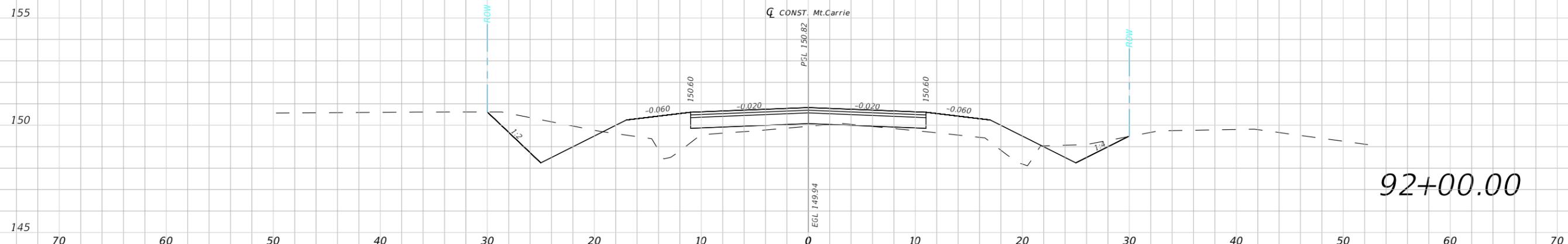
Chad McCormick

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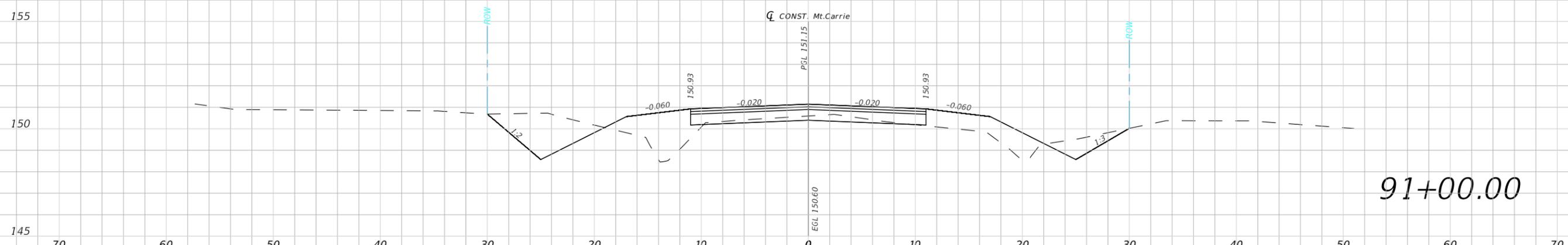
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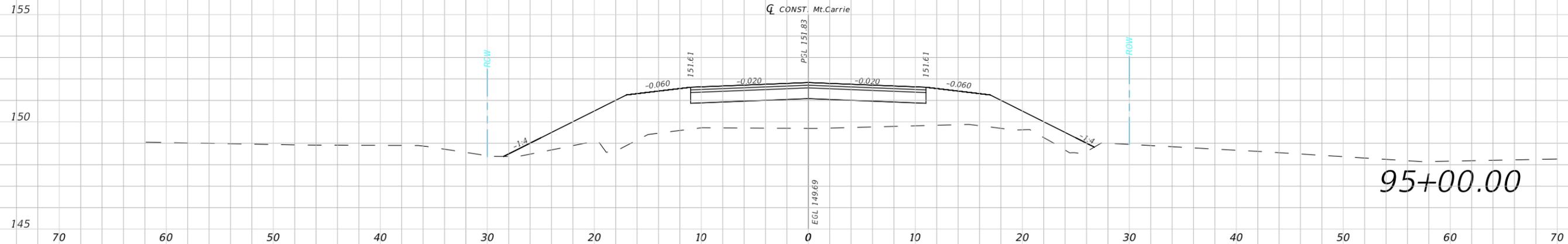
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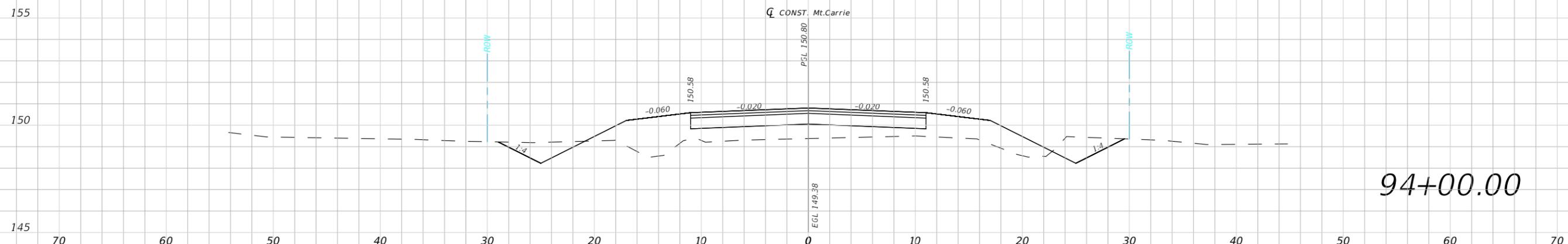
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1" = 5' Vertical

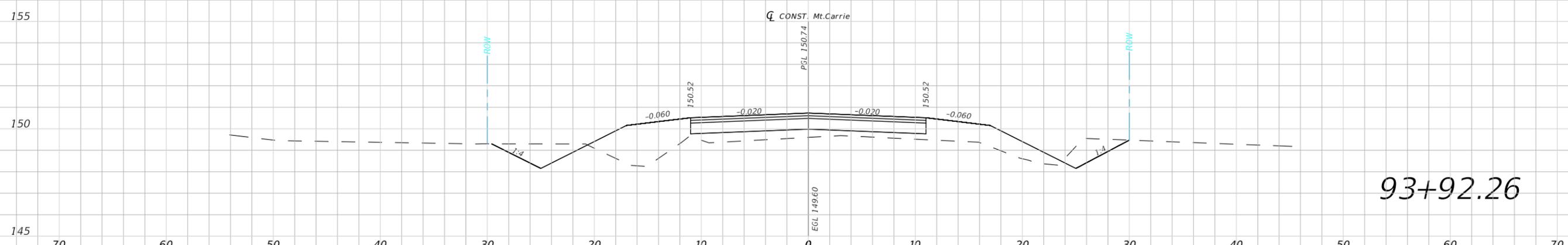
REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 73
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



95+00.00



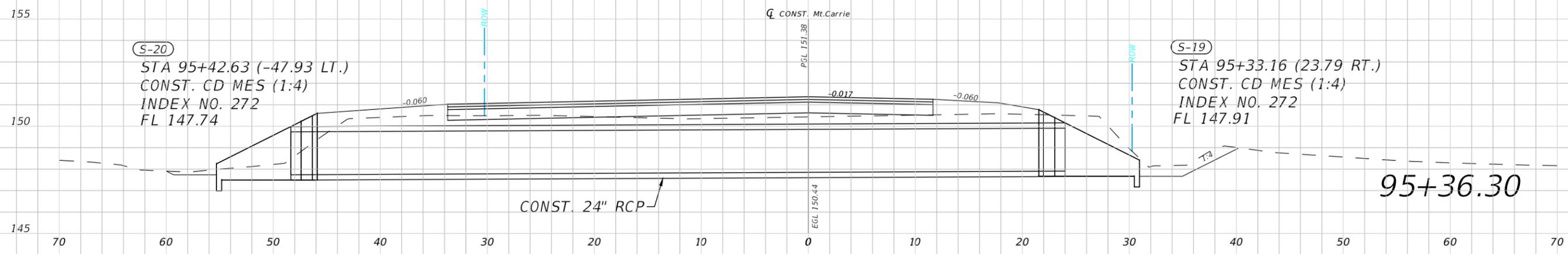
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1" = 10' Horizontal  
1" = 5' Vertical

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 74
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



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

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			ROADWAY CROSS SECTION	SHEET NO. 76
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		

THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO FDOT SPECIFICATIONS, THE DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE FIRST SHEET OF THE CONSTRUCTION PLANS (CALLED THE KEY SHEET) CONTAINS AN INDEX TO THE OTHER SHEETS.

- THE COMPLETE STORMWATER POLLUTION PLAN INCLUDES SEVERAL ITEMS:
- \* THIS NARRATIVE DESCRIPTION
  - \* THE DOCUMENTS REFERENCED BY THIS NARRATIVE
  - \* THE CONTRACTOR'S APPROVED EROSION AND SEDIMENT CONTROL PLAN AS REQUIRED BY SPECIFICATIONS SECTION 104
  - \* REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION

1.0 SITE DESCRIPTION:

1.A NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT CONSISTS OF THE PAVING AND WIDENING OF MT. CARRIE ROAD FROM APPROXIMATELY 120FT SOUTH OF NE TY PLACE TO CR 250, A DISTANCE OF APPROXIMATELY 1.6 MILES.

1.B MAJOR SOIL DISTURBING ACTIVITIES:

WIDENING AND PAVING OF EXISTING ROADWAY, GRADING FOR SHOULDER REWORKING AND BASE CONSTRUCTION, MINOR CLEARING AND GRUBBING, EXTENDING/REPLACING CULVERTS

1.C AREA ESTIMATES:

TOTAL AREA TO BE DISTURBED: 11.8 ACRES

1.D RECEIVING WATERS:

WATER IS PRIMARILY CONVEYED BY ROADSIDE SWALES TO EXISTING LOW AREAS ADJACENT TO THE ROADWAY.

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAP. IF AN ADDITIONAL MAP WITH CONTOUR INFORMATION IS REQUIRED THEN IT SHALL BE THE APPROPRIATE USGS QUADRANGLE MAP FOR THIS AREA.

2.0 CONTROLS:

2.A EROSION AND SEDIMENT CONTROLS:

ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATIONS 104, 120, 570, AND THE FLORIDA EROSION AND SEDIMENT CONTROL MANUAL.

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

- \* TO PROTECT RECEIVING WATERS
- \* AT ALL CROSS DRAINS
- \* AT ALL INLETS
- \* ALONG THE ROADWAY WHERE THERE IS AN ADJACENT WETLAND

2.A.1 STABILIZATION PRACTICES:

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

TEMPORARY:

- \* TURF AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104.

PERMANENT:

- \* RIP RAP PADS
- \* SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570.

2.A.2 STRUCTURAL PRACTICES:

IN SECTION 104 OF THE EROSION CONTROL PLAN, DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

- \* SEDIMENT BARRIERS IN ACCORDANCE WITH DESIGN STANDARD 102 AND SPECIFICATION SECTION 104.

FOR CROSS DRAIN EXTENSIONS OR REPLACEMENTS, IF DIRT DAMS ARE TO BE USED THE DAM MUST BE WRAPPED IN FILTER FABRIC OR AND EQUIVALENT MATERIAL TO PREVENT DIRT FROM BEING WASHED DOWNSTREAM DURING STORM EVENTS.

2.B STORMWATER MANAGEMENT:

RUNOFF SHALL BE CONVEYED TO OPEN ROADSIDE SWALES AND CONTROLLED WITH DEVICES FOUND IN THE APPROVED EROSION CONTROL PLANS.

2.C OTHER CONTROLS:

TOXIC SUBSTANCES:

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

2.D

APPROVED STATE AND LOCAL PLANS, AND STORMWATER PERMITS FOR PROJECTS WITH ISSUED FDEP, WMD, ACOE, AND USCG PERMITS, IN ACCORDANCE WITH FDOT SPECIFICATION SECTION 7-2.1, COMPLY WITH ALL REGULATIONS AND ALL GENERAL, SPECIAL AND PARTICULAR CONDITIONS RELATING TO CONSTRUCTION ACTIVITIES OF ALL PERMITS ISSUED TO THE DEPARTMENT AS THOUGH SUCH CONDITIONS WERE ISSUED TO THE CONTRACTOR, INCLUDING PROVIDING A LICENSED PROFESSIONAL ENGINEER AND/OR PROFESSIONAL LAND SURVEYOR (AS REQUIRED BY PERMIT) TO SIGN AND SEAL CERTIFICATIONS AND AS-BUILT PLANS. THIS PROJECT SHALL COMPLY WITH STATE WATER QUALITY STANDARDS. THE PERMIT REQUIRED FOR THIS PROJECT IS AN FDEP NPDES PERMIT. THE CONTRACTOR IS REQUIRED TO COMPLETE, SIGN, AND SEND THE FL DEP NPDES "NOTICE OF INTENT" AND "NOTICE OF TERMINATION" AS OPERATOR. THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING DEBRIS FROM ENTERING A WETLAND. ANY DEBRIS IN A WETLAND SHALL BE REMOVED IMMEDIATELY.

3.0 MAINTENANCE:

IN THE SECTION 104 EROSION CONTROL PLAN, SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION.

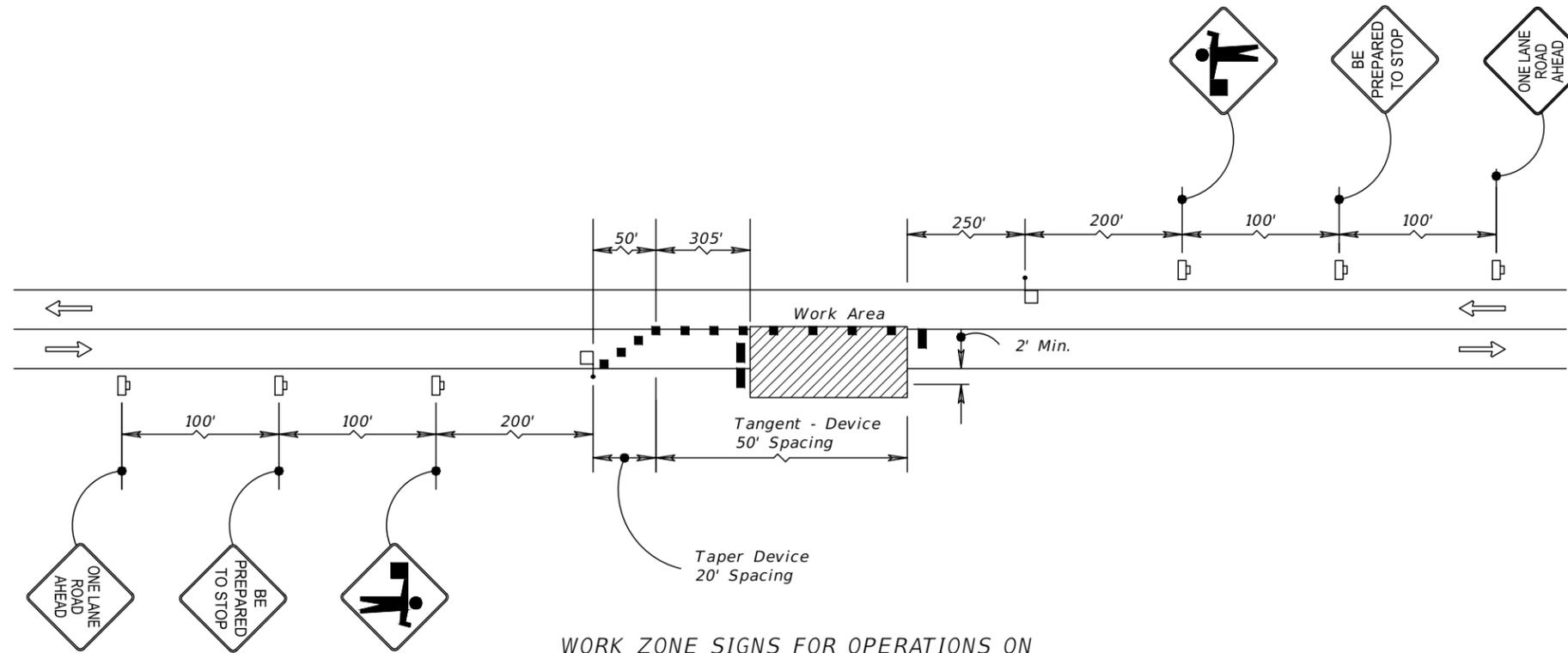
4.0 INSPECTIONS:

QUALIFIED PERSONNEL SHALL PERFORM COMPREHENSIVE INSPECTIONS OF ALL EROSION CONTROL FEATURES AT LEAST ONCE EVERY SEVEN CALENDAR DAYS, AND AFTER EACH RAINFALL OF 0.5 INCHES OR MORE. EXCEPT FOR THE DAILY INSPECTIONS OF SILT FENCE REQUIRED UNDER FDOT SPEC. 104-6.4.6.3. THE CONTRACTOR SHALL GIVE THE DEPARTMENT A MINIMUM OF 24-HOUR ADVANCE NOTICE TO PROVIDE FDOT PROJECT PERSONNEL WITH AN OPPORTUNITY TO ACCOMPANY THE CONTRACTOR ON THE COMPREHENSIVE INSPECTIONS.

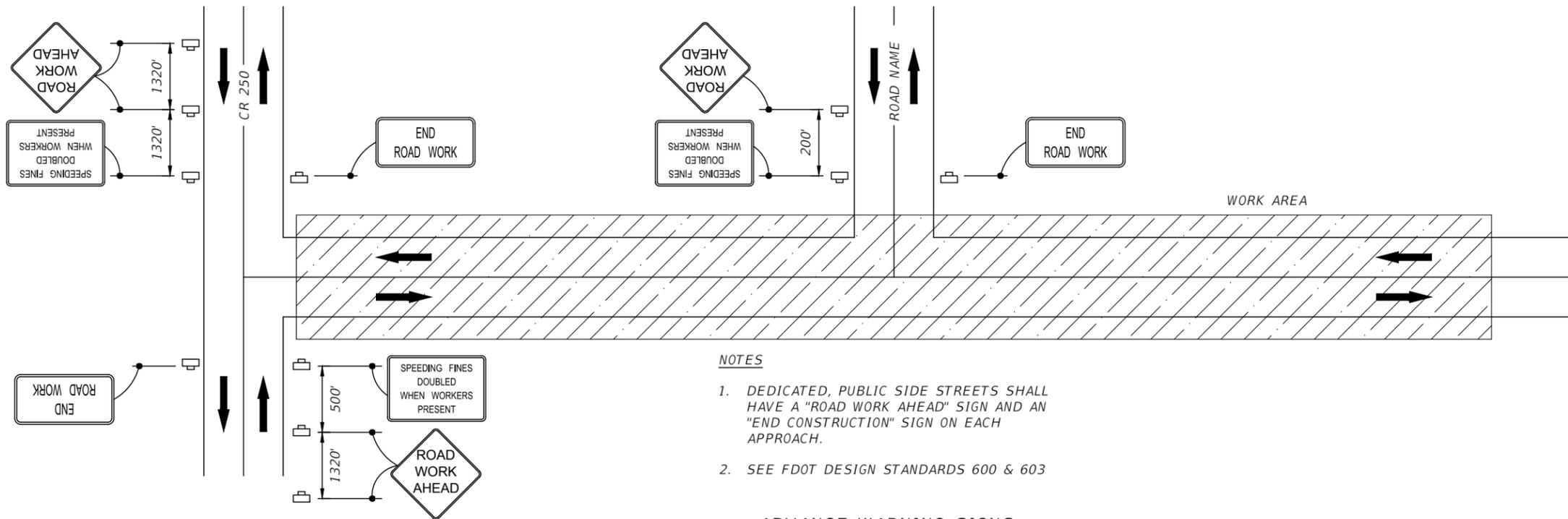
5.0 NON-STORMWATER DISCHARGES:

RESPONSIBLE FOR OBTAINING ALL DEWATERING PERMITS. IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES. DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES. IF THE CONTRACTOR ENCOUNTERS CONTAMINATED SOIL OR GROUNDWATER, CONTACT THE DISTRICT 2 CONSTRUCTION ENVIRONMENTAL ENGINEER AT (386) 961-7582.

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			STORMWATER POLLUTION PREVENTION PLAN	SHEET NO.  77
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



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 DESIGN STANDARDS 600 & 603

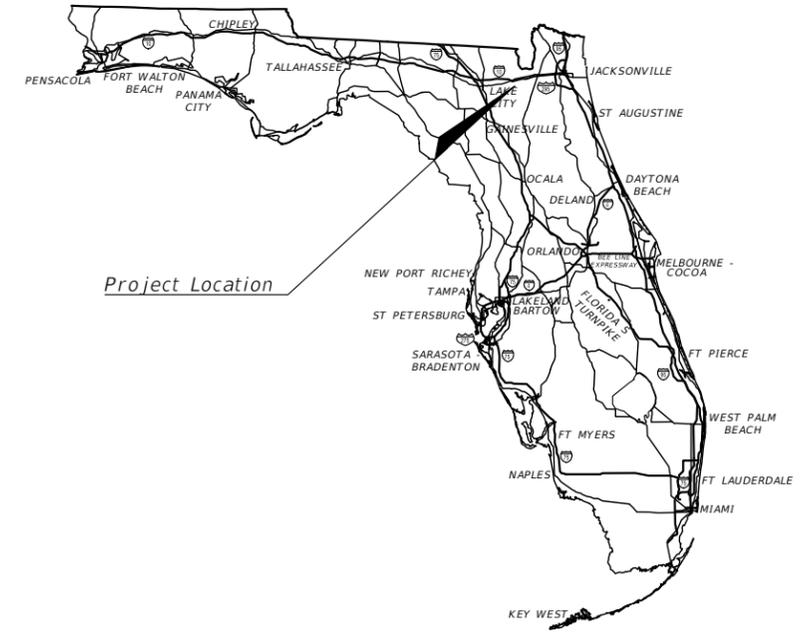
ADVANCE WARNING SIGNS

REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			TEMPORARY TRAFFIC CONTROL PLANS	SHEET NO. 78
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
###	###				01/16	COLUMBIA COUNTY	L151106CCB		

# CONTRACT PLANS

## *MT. CARRIE ROAD*

NFPS PROJECT ID L151106CCB  
COLUMBIA COUNTY COUNTY, FLORIDA



### INDEX OF SIGNING & PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNING & PAVEMENT MARKING NOTES
3-10	SIGNING & PAVEMENT MARKING PLANS

## SIGNING & PAVEMENT MARKING PLANS

SIGNING & PAVEMENT MARKING PLANS SHOP  
DRAWINGS TO BE SUBMITTED TO:

NORTH FLORIDA PROFESSIONAL SERVICES  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056  
OFFICE: (386) 752-4675  
FAX: (386) 752-4674

PLANS PREPARED BY:

NORTH FLORIDA PROFESSIONAL SERVICES  
P.O. BOX 3823  
LAKE CITY, FLORIDA 32056  
OFFICE: (386) 752-4675  
FAX: (386) 752-4674

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

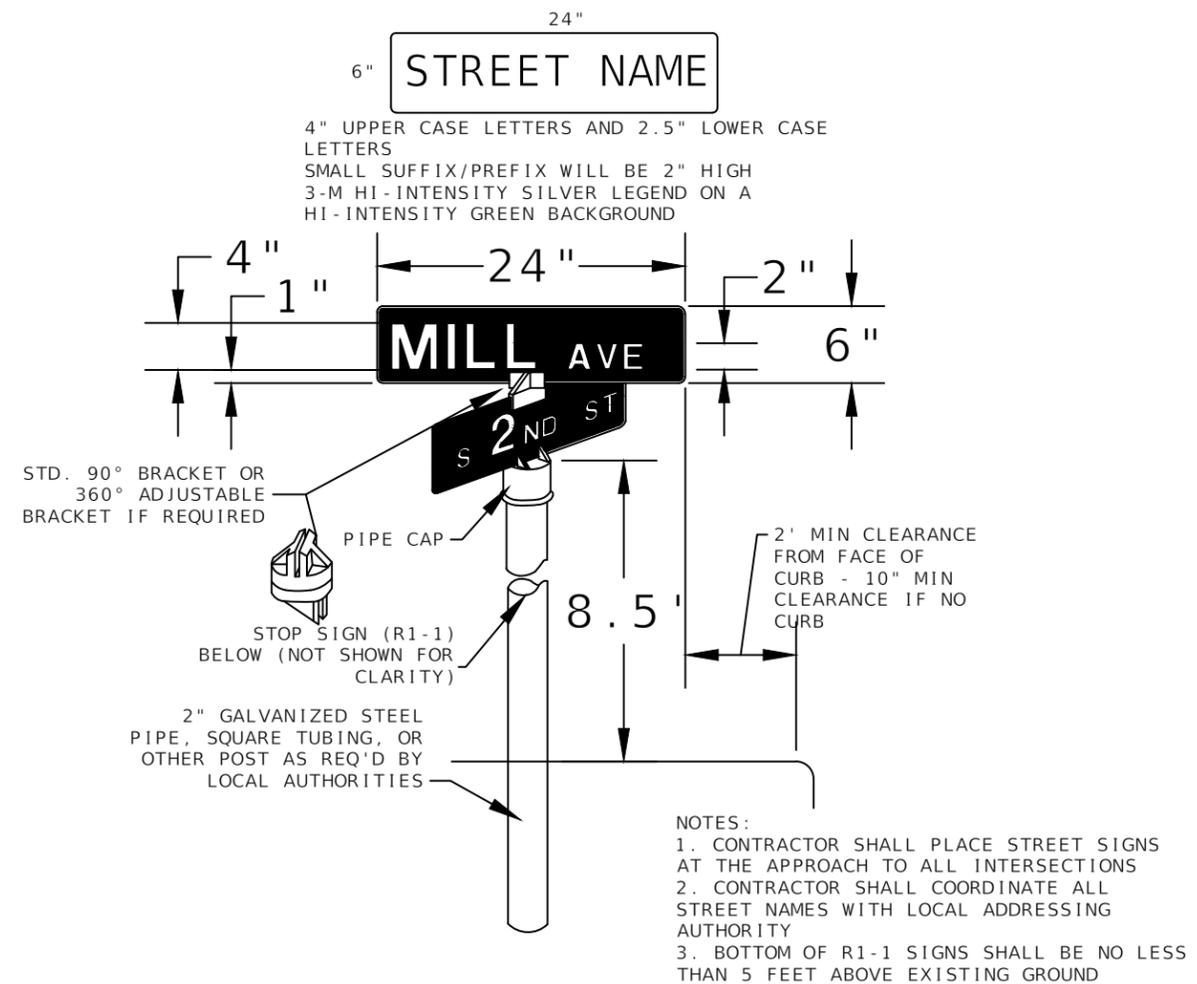
SIGNING & PAVEMENT  
MARKING PLANS  
ENGINEER OF RECORD: JAMES H. PITMAN

P.E. NO.: 42035

FISCAL YEAR	SHEET NO.
16	1

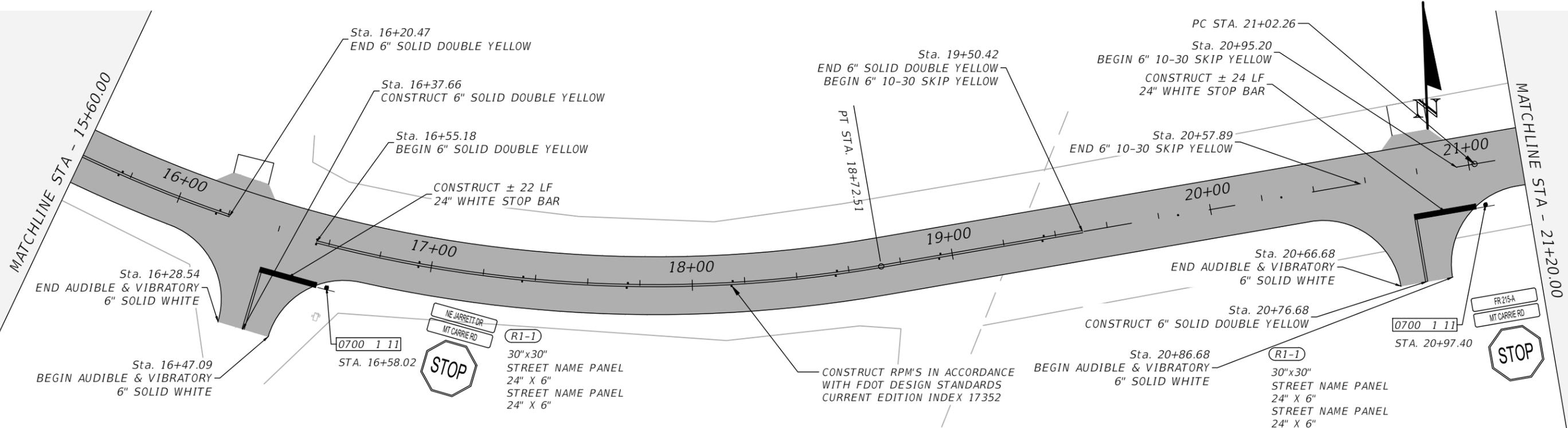
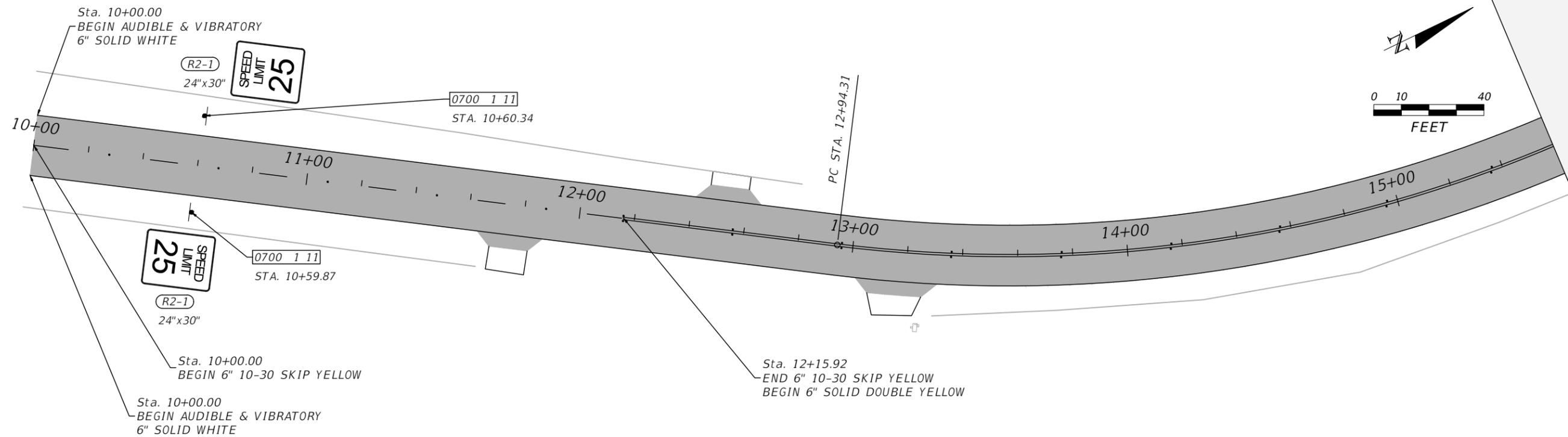
SIGNING AND PAVEMENT MARKING NOTES

1. ALIGNMENT OF PROPOSED PAVEMENT MARKINGS SHALL MATCH EXISTING PAVEMENT MARKINGS AT PAVEMENT MARKING LIMITS OF CONSTRUCTION.
2. ALL DIRECTIONAL ARROWS AND LETTERS FOR PAVEMENT MESSAGES SHALL BE PLACED AS ONE SEGMENT.
3. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS ARE TO BE REMOVED UNLESS NOTED OTHERWISE IN THE PLANS.
4. CONSTRUCT PAVEMENT MARKINGS AND RPM'S IN ACCORDANCE WITH INDEXES 17346 AND 17352.
5. 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				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			SIGNING & PAVEMENT MARKING NOTES	SHEET NO. 2
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



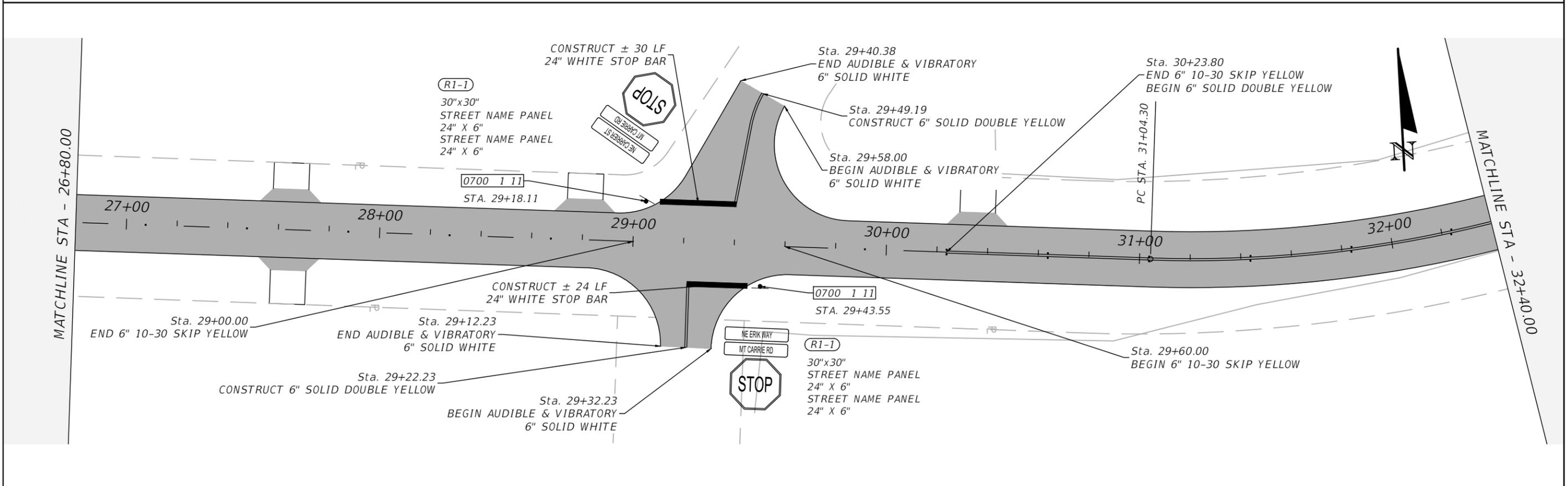
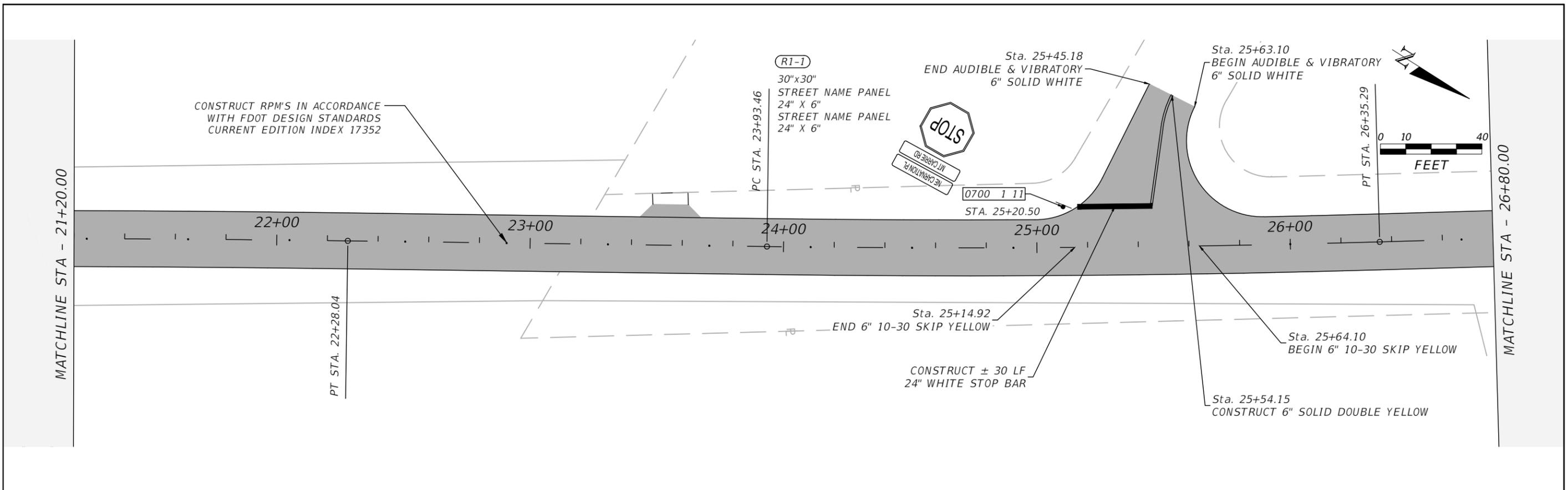
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.  
P.O. BOX 2823  
LAKE CITY, FLORIDA 32056  
PH 386-752-4675 FAX 386-752-4674

MT. CARRIE ROAD		
DATE	COUNTY	PROJECT ID NUMBER
01/16	COLUMBIA COUNTY	L151106CCB

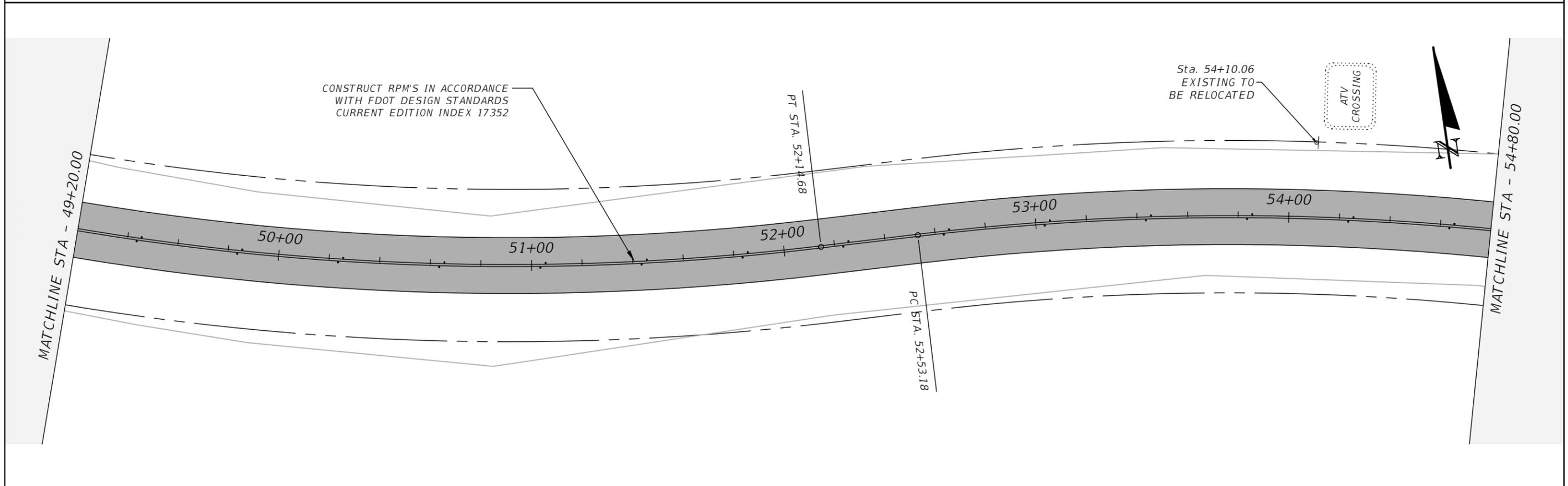
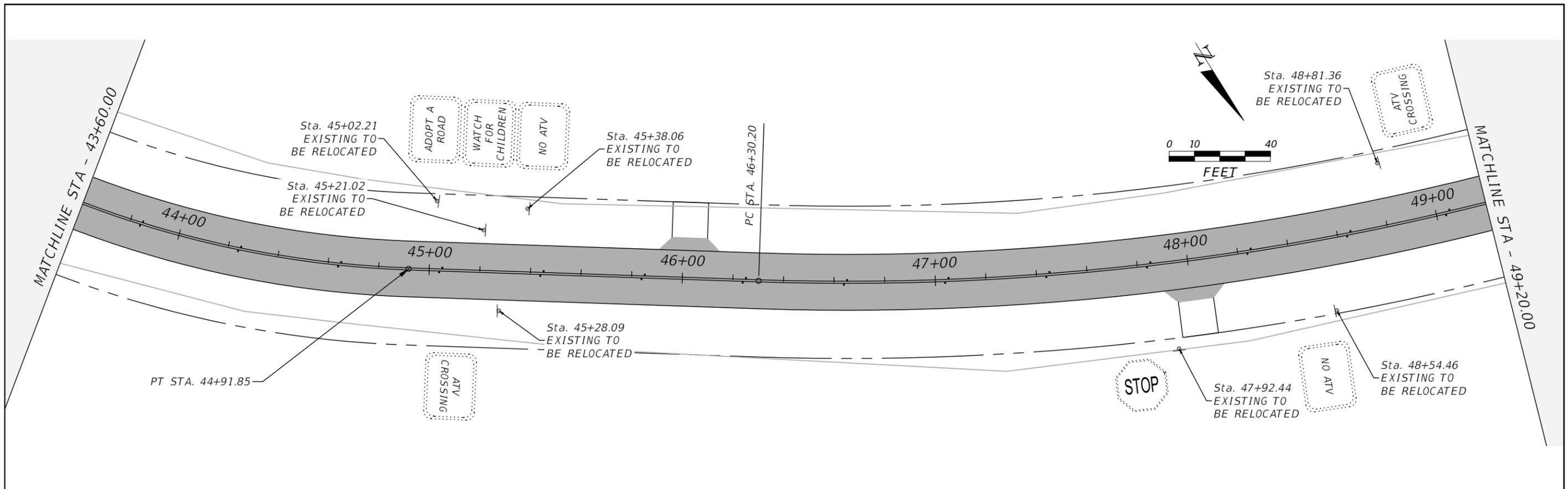
**SIGNING & PAVEMENT MARKING PLANS**

SHEET NO.  
3



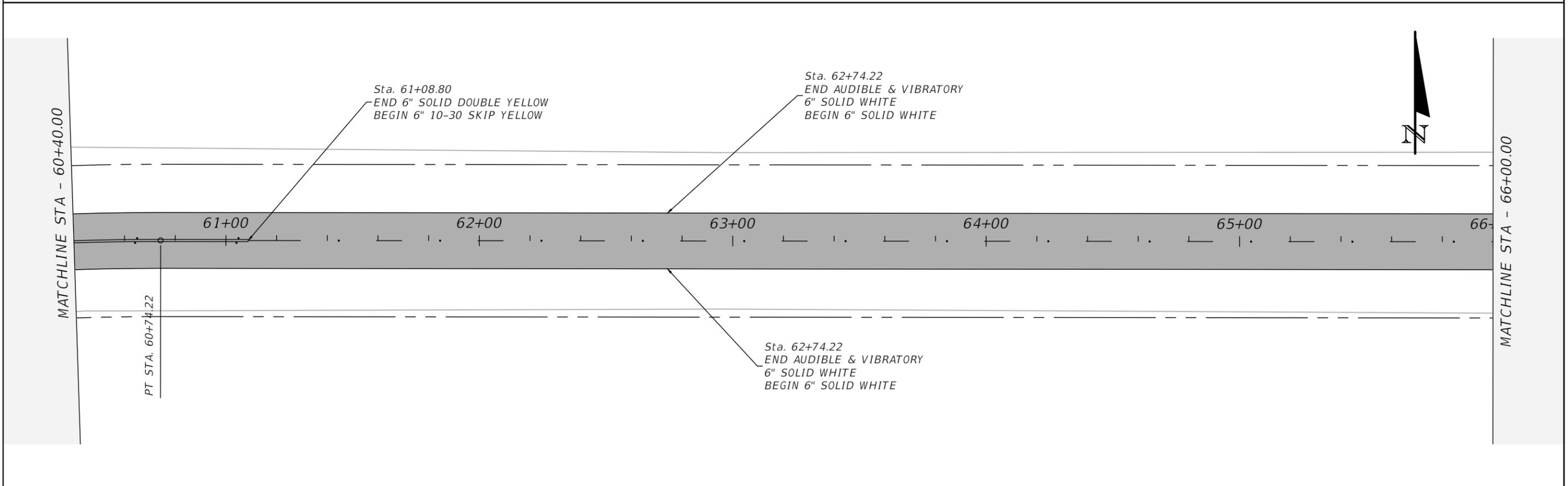
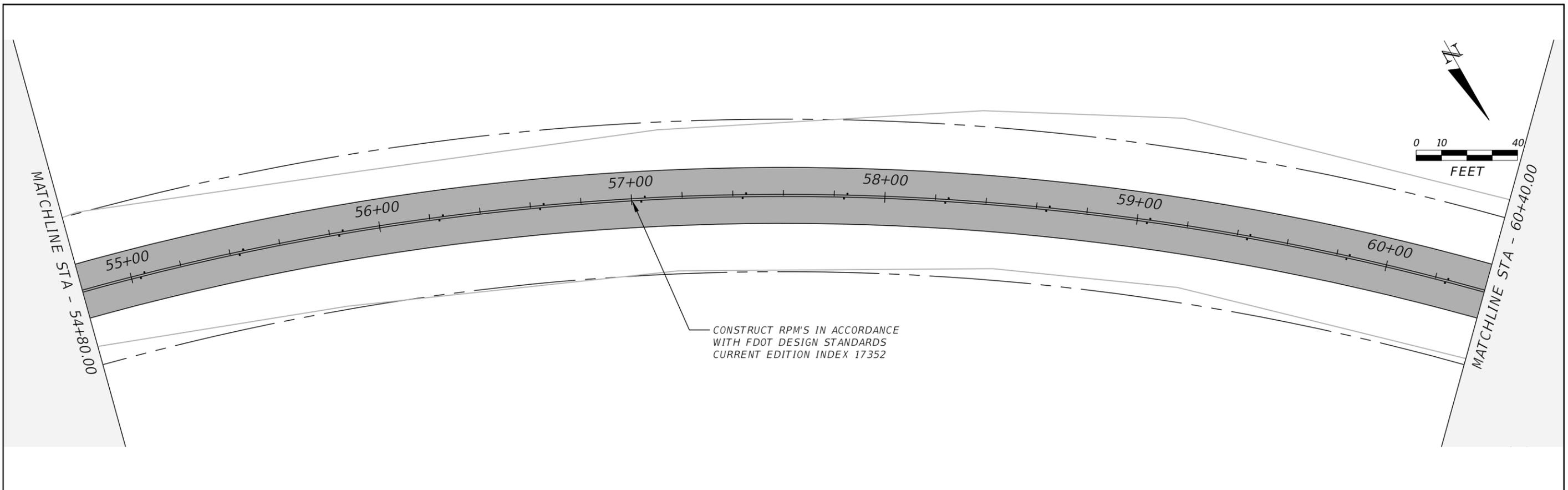
REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			SIGNING & PAVEMENT MARKING PLANS	SHEET NO. 4
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



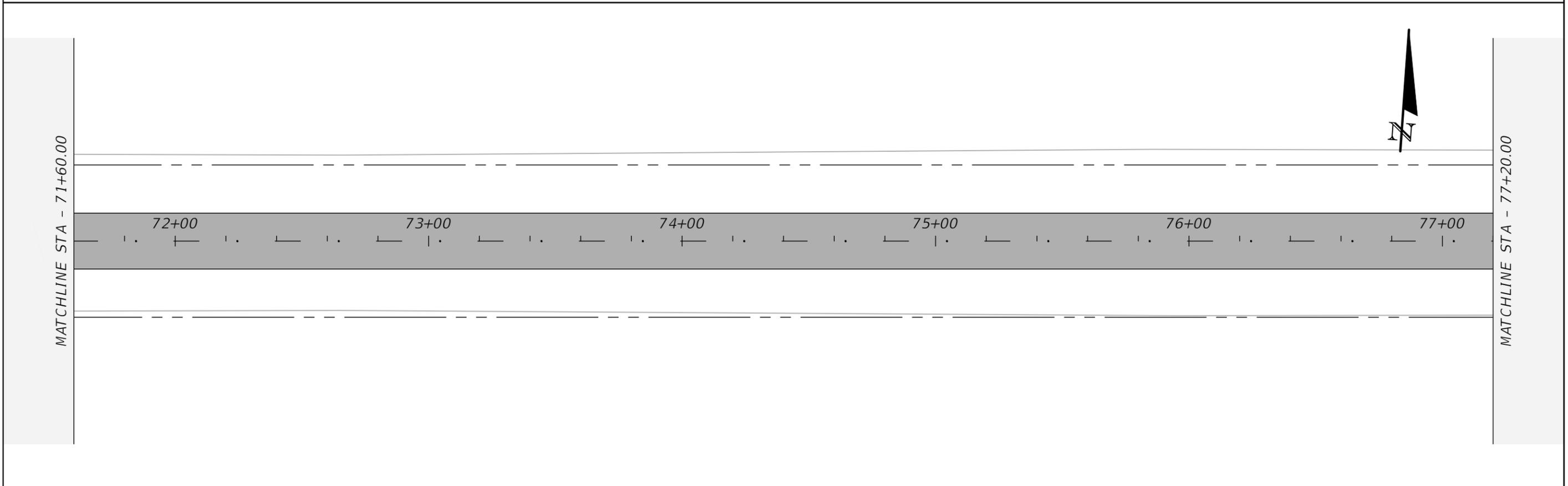
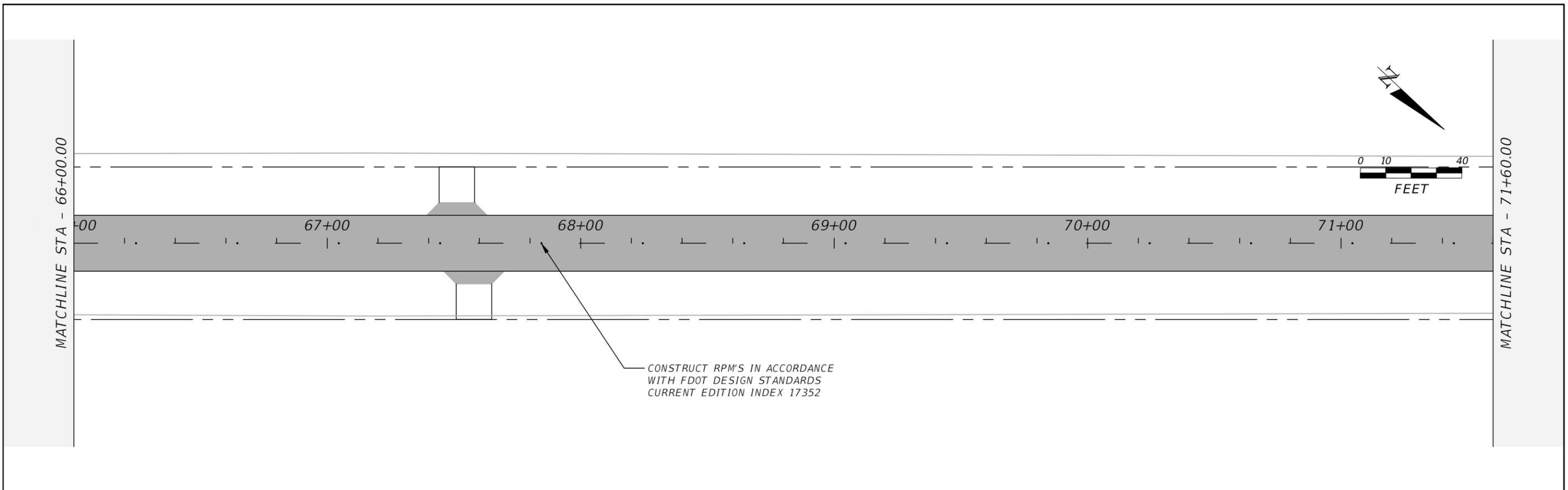


REVISIONS		NORTH FLORIDA PROFESSIONAL SERVICES, INC.		MT. CARRIE ROAD			SIGNING & PAVEMENT MARKING PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	COUNTY	PROJECT ID NUMBER		
				01/16	COLUMBIA COUNTY	L151106CCB		6

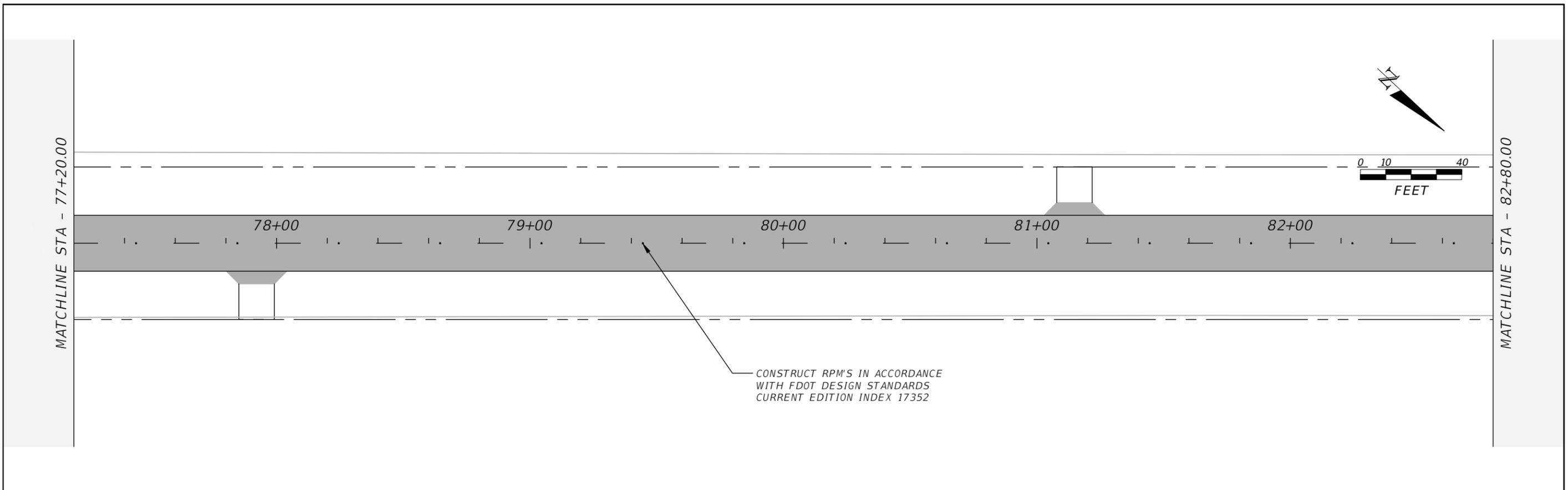
NORTH FLORIDA PROFESSIONAL SERVICES, INC.  
 P.O. BOX 2823  
 LAKE CITY, FLORIDA 32056  
 PH 386-752-4675 FAX 386-752-4674



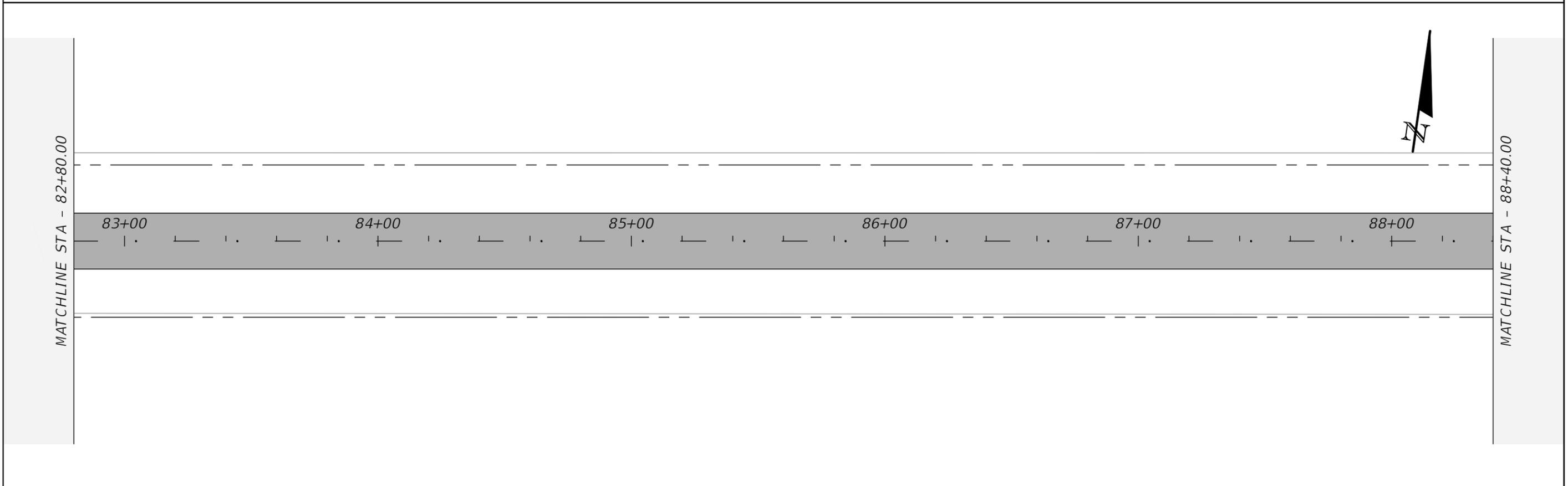
REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			SIGNING & PAVEMENT MARKING PLANS	SHEET NO. 7
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



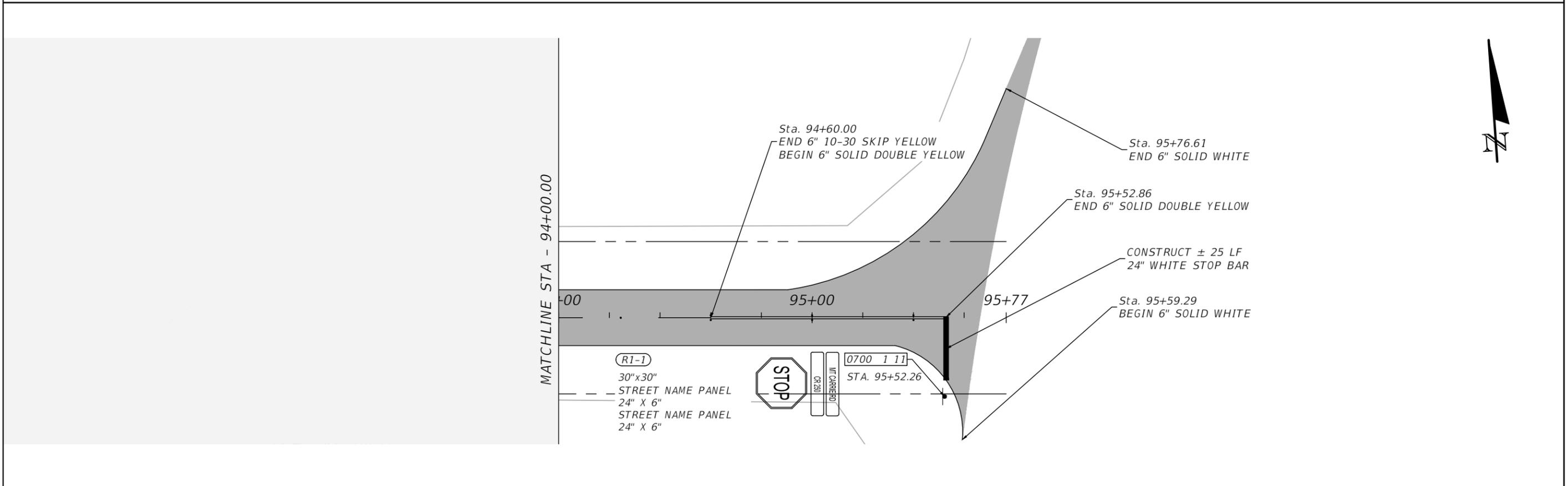
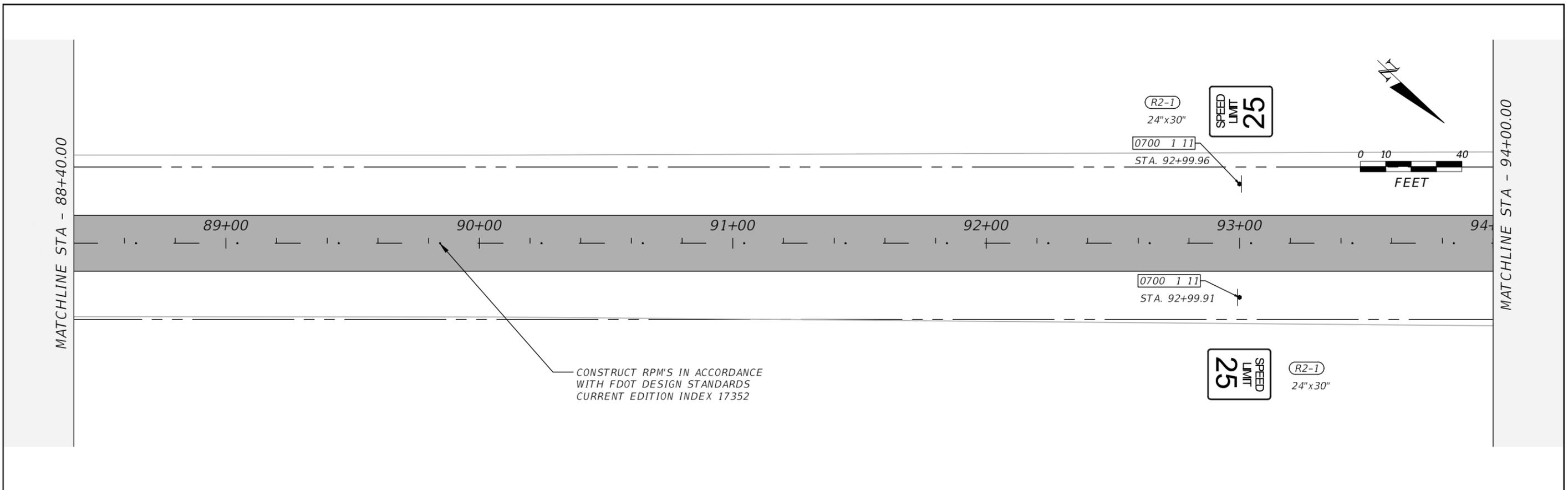
REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			SIGNING & PAVEMENT MARKING PLANS	SHEET NO. 8
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



CONSTRUCT RPM'S IN ACCORDANCE  
WITH FDOT DESIGN STANDARDS  
CURRENT EDITION INDEX 17352



REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			SIGNING & PAVEMENT MARKING PLANS	SHEET NO. 9
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
					01/16	COLUMBIA COUNTY	L151106CCB		



REVISIONS				NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 2823 LAKE CITY, FLORIDA 32056 PH 386-752-4675 FAX 386-752-4674	MT. CARRIE ROAD			SIGNING & PAVEMENT MARKING PLANS	SHEET NO. 10
DATE	DESCRIPTION	DATE	DESCRIPTION		DATE	COUNTY	PROJECT ID NUMBER		
				01/16	COLUMBIA COUNTY	L151106CCB			