



**DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GEORGIA 31401-3604**

July 13, 2021

Regulatory Division
SAS-2015-00253

**JOINT PUBLIC NOTICE
Savannah District/State of Georgia**

The Savannah District has received an application for a Department of the Army Permit, pursuant to Section 404 of the Clean Water Act (33 U.S.C. § 1344), as follows:

Application Number: SAS-2015-00253, Georgia Department of Transportation P.I. Nos. 122900 and 0017462

Applicant: Mr. Eric Duff
State Environmental Administrator
Georgia Department of Transportation
600 West Peachtree Street NW, 16th Floor
Atlanta, Georgia 30308

Project Purpose as Proposed by Applicant: To widen and reconstruct State Route (SR) 515/United State Highway (US) 76 from Blairsville, Georgia, to Young Harris, Georgia, as well as construct a new bypass around the City of Youngs Harris to address current and future road capacity deficiencies, crash frequency rates, and degree of crash severity. In addition, the project would stimulate economic development within the region.

Location of Proposed Work: The project would be located along SR 515/US 76 from Young Harris Street in the City of Blairsville, Union County, Georgia (Latitude 34.8812, Longitude -83.9525), to Timberline Drive in the City of Young Harris, Towns County, Georgia (Latitude 34.9416, Longitude -83.8487), and would include the construction of a new bypass around the City of Young Harris. The Young Harris bypass would extend from a proposed roundabout at Brasstown Creek Road to a proposed roundabout at Timberline Drive. The total length of the entire project corridor is approximately 8.8 miles (6 miles in Union County and 2.8 miles in Towns County, including the bypass).

Description of Work Subject to the Jurisdiction of the U.S. Army Corps of Engineers:
The proposed project includes two phases due to the project construction and let schedules. PI No. 0017462 has final plans and has been let to a contractor, while PI No. 122900 will be let once final plans are complete, which is estimated to be May 2022.

The first phase, PI No. 0017462, would require relocating approximately 382 linear feet (0.044 acres) of perennial stream. In addition, temporary de-watering associated with this relocation would consist of 92 linear feet (0.008) of impacts, for a total of 474 linear feet (0.052 acres) of impacts, requiring 382 (4,584 grandfathered) stream mitigation credits from a federally approved mitigation bank servicing the project area.

The second phase, PI No. 122900, based on the current design, would impact approximately 3,757 linear feet (0.632 acres) of stream, which would require 3,551 (38,399 grandfathered) stream mitigation credits from a federally approved mitigation bank or an in-lieu fee if there are no mitigation bank credits available. The project would also impact 0.73 acre of wetland which would require 0.57 (4.56 grandfathered) wetland mitigation credit from a federally approved mitigation bank or in-lieu fee if there are no mitigation bank credits available for the project area.

A review of the Corps Regulatory In-Lieu Fee and Bank Information Tracking System (RIBITS) database identified one mitigation bank, Hambridge Center Mitigation Bank, in the primary service area for this project. Currently, this bank does not have sufficient stream credits for the entire project, in addition it does not have any wetland credits available. Further, the proposed project is not located within the secondary service area of any other banks. Therefore, any stream credits not satisfied by this bank and all wetland credits required would be purchased from the Georgia-Alabama Land Trust In-Lieu Fee Program.

BACKGROUND

The Georgia Department of Transportation (GDOT) project, US Army Corps of Engineers (Corps) file number SAS-2015-00253 (GDOT PI No 122900) has been ongoing since 2015. A Practicable Alternative Review (PAR) was completed on April 8, 2015. An Aquatic Resource Delineation Review (ARDR) verification was issued by the Corps on November 21, 2019. For GDOT PI 0017462, an ARDR and Scope of Analysis was verified by the Corps on April 2, 2020, and received the Corps project number SAS-2020-00201. A Nationwide Permit 27 application was transmitted to the Corps on November 2, 2020; however, it was later retracted. GDOT PI No 122900 and 0017462 have been combined under the Corps project number SAS-2015-00253 as a single and complete project.

This Joint Public Notice announces a request for authorizations from both the Corps and the State of Georgia. The applicant's proposed work may also require local governmental approval.

STATE OF GEORGIA

Water Quality Certification: The Georgia Department of Natural Resources, Environmental Protection Division will review the proposed project for water quality

certification, in accordance with the provisions of Section 401 of the Clean Water Act. Prior to issuance of a Department of the Army permit for a project location in, on, or adjacent to the waters of the State of Georgia, review for Water Quality Certification is required. A reasonable period of time, which shall not exceed one year, is established under the Clean Water Act for the State to act on a request for Water Quality Certification, after which, issuance of such a Department of the Army permit may proceed. The applicant requested a pre-certification meeting on May 28, 2021, with Georgia EPD prior to submitting their application for a permit under Section 404 of the Clean Water Act.

State-owned Property and Resources: The applicant may also require assent from the State of Georgia, which may be in the form of a license, easement, lease, permit or other appropriate instrument.

U.S. ARMY CORPS OF ENGINEERS

The Savannah District must consider the purpose and the impacts of the applicant's proposed work, prior to a decision on issuance of a Department of the Army permit.

Cultural Resources: Review of the National Register of Historic Places and the Georgia Natural, Archeological and Historic Resources GIS database, indicates that 16 National Register eligible properties, including four (4) archeological resources are located on the within the area of potential effects. A Memorandum of Agreement for cultural resources for this project was ratified on May 2, 2017.

Endangered Species: A preliminary review of the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) and the National Marine Fisheries Service's Protected Resource Division's (NMFSPRD)'s list of Endangered and Threatened Species indicates the following listed species may occur in or near the project area: Northern long-eared bat (*Myotis Septentrionalis*), Indiana bat (*Myotis sodalis*), bog turtle, (*Glyptemys Muhlenbergii*), small whorled pogonia (*Isotria medeoloides*), green pitcherplant, (*Sarracenia oreophila*), swamp pink (*Helonias bullata*), amber darter (*Percina antesella*), Cherokee darter (*Etheostoma scotti*), and Etowah darter (*Etheostoma etowahae*).

Pursuant to Section 7(c) of the Endangered Species Act of 1973, as amended (16 U.S.C. § 1531 et seq.), we request information from the U.S. Department of the Interior, Fish and Wildlife Service, the U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service; or, any other interested party, on whether any species listed or proposed for listing may be present in the area.

Public Interest Review: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection

and utilization of important resources. The benefit, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors, which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and in general, the needs and welfare of the people.

Consideration of Public Comments: The Corps is soliciting comments from the public; federal, state, and local agencies and officials; Native American Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Application of Section 404(b)(1) Guidelines: The proposed activity involves the discharge of dredged or fill material into the waters of the United States. The Savannah District's evaluation of the impact of the activity on the public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under the authority of Section 404(b) of the Clean Water Act.

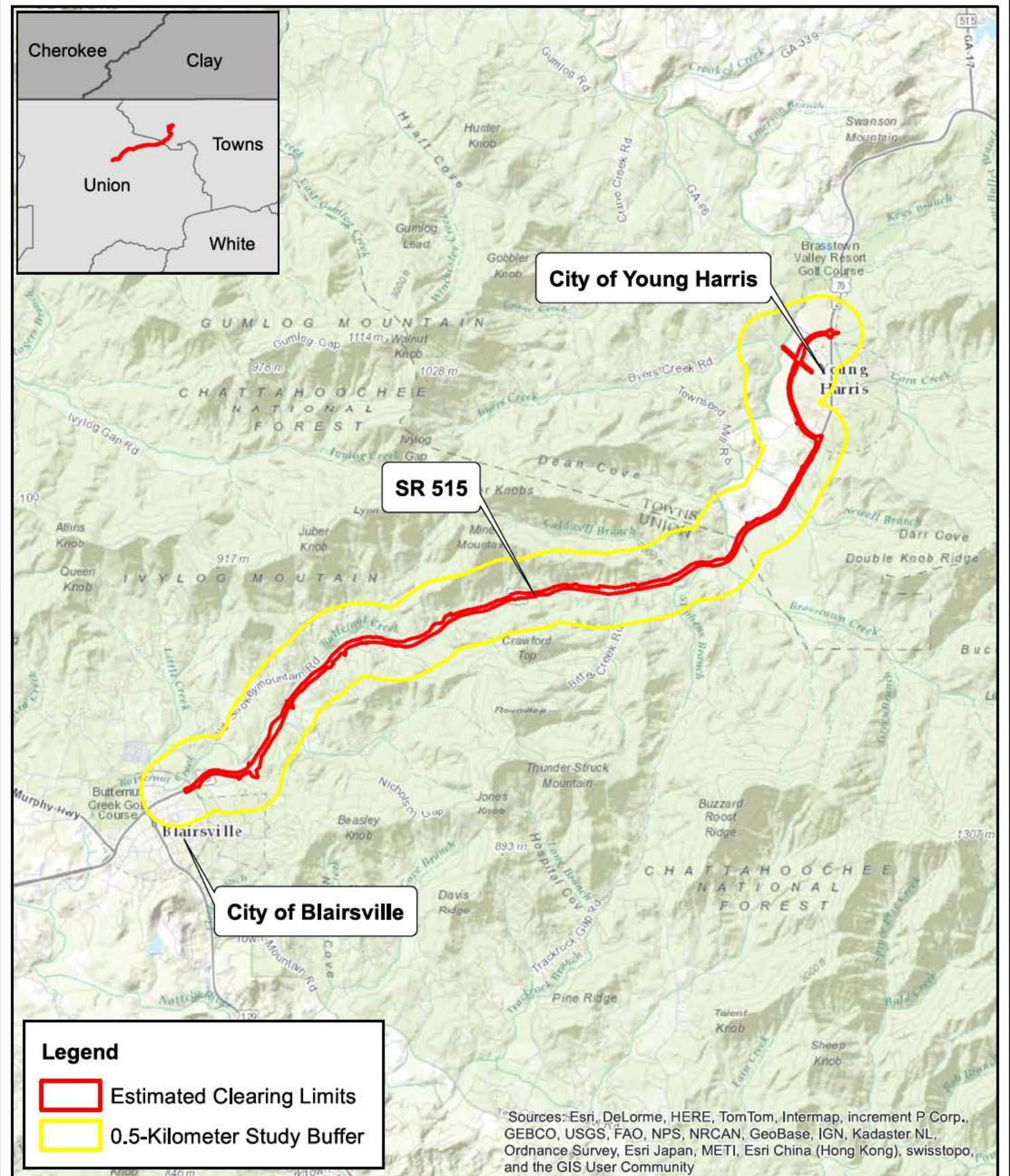
Public Hearing: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application for a Department of the Army permit. Requests for public hearings shall state, with particularity, the reasons for requesting a public hearing. The decision whether to hold a public hearing is at the discretion of the District Engineer, or his designated appointee, based on the need for additional substantial information necessary in evaluating the proposed project.

Comment Period: Anyone wishing to comment on this application for a Department of the Army permit should submit comments by email to Nicole.M.Liette@usace.army.mil. Alternatively, you may submit comments in writing to the Commander, U.S. Army Corps of Engineers, Savannah District, Attention: Ms. Nicole Liette, 4751 Best Road, Suite 140, College Park, Georgia 30337, no later than 30 days from the date of this notice. Please refer to the applicant's name and the application number in your comments.

If you have any further questions concerning this matter, please contact Nicole Liette, Project Manager, Piedmont Branch at (678) 422-2729.

Enclosures:

1. Figure 1 – Project Location Map, P.I. No. 122900
2. Figure 2 – Project Location Map, P.I. No. 0017462
3. Plan and Profile Drawings



**SR 515/SR 2/US 76 Widening
Union and Towns Co., Georgia
P.I. No. 122900**



0 1.25 2.5 Kilometers

Imagery Source: ESRI

FIGURE 1
Project Location Map



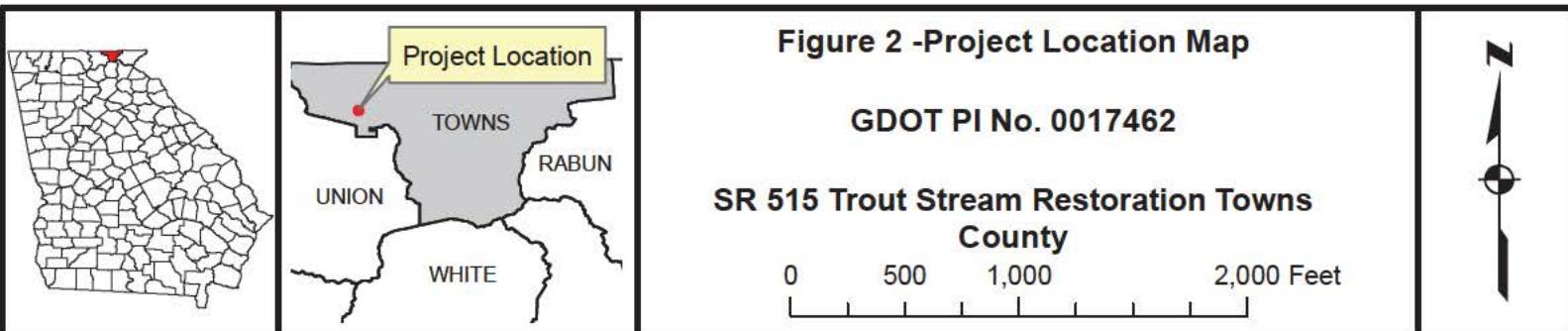
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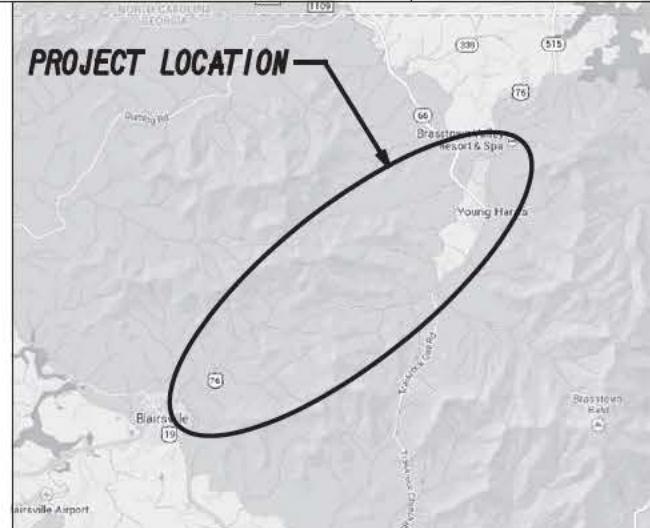
For: HNTB Corp.

ETC File: MA2015002



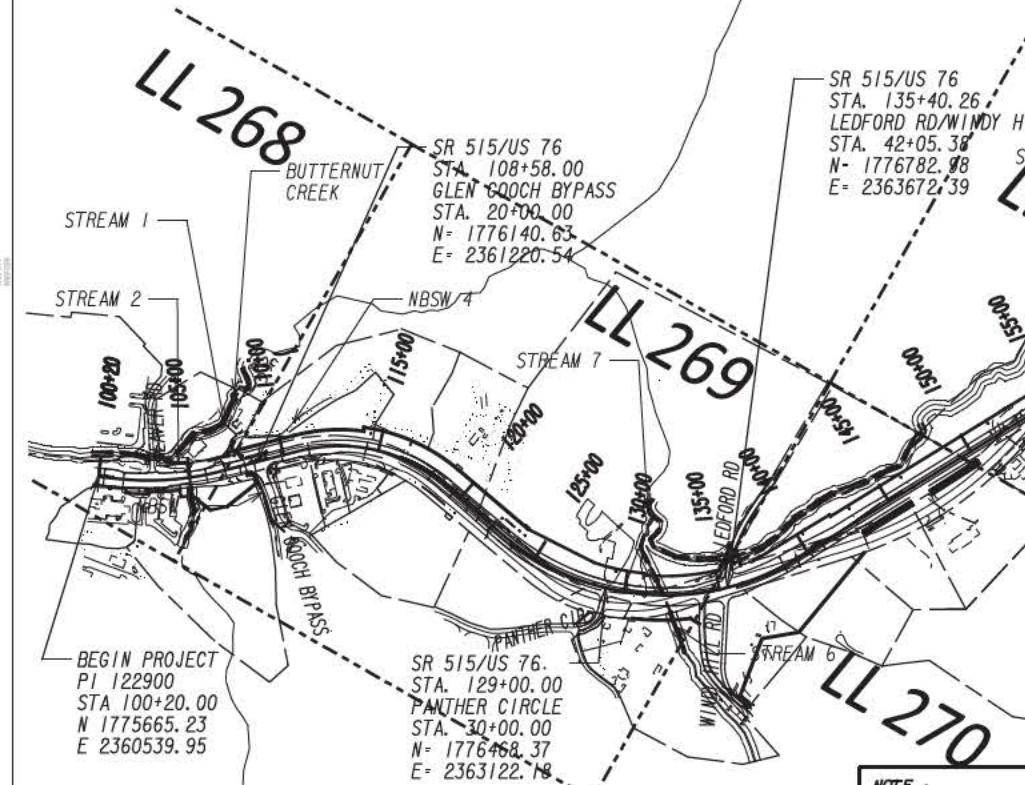
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand),





LOCATION SKETCH

DESIGN DATA:
 TRAFFIC A.D.T.: 19,000 (2019)
 TRAFFIC A.D.T.: 34,500 (2039)
 TRAFFIC D.H.V.: 1645
 DIRECTIONAL DIST: 50%
 % TRUCKS: 13%
 24 HR. TRUCKS %: 14%
 SPEED DESIGN: 55



THE DATA TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANY WAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

PLAN AND PROFILE OF PROPOSED WIDENING OF SR 515 / SR 2 / US 76 FROM BLAIRSVILLE TO YOUNG HARRIS

FEDERAL AID PROJECT

FEDERAL ROUTE • 76
 STATE ROUTE • 515 / 2
 PJ.NO.122900



LOCATION & DESIGN APPROVAL DATE:
 FUNCTIONAL CLASS:
 RURAL PRINCIPAL ARTERIAL
 THIS PROJECT IS 70% IN UNION COUNTY AND 30% IN TOWNS COUNTY.
 THIS PROJECT IS 100% IN CONG. DIST. NO. 9.
 PROJECT DESIGNATION: EXEMPT
 DESIGNED IN ENGLISH UNITS.
 THIS PROJECT CONTAINS POST CONSTRUCTION STORMWATER BMPs.

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983/94 WEST ZONE), AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

COUNTY No. 28(TOWNS) 29(UNION)	Project No.	LENGTH OF PROJECT
		MILES
NET LENGTH OF ROADWAY	8.362	
NET LENGTH OF BRIDGES	0.028	
NET LENGTH OF PROJECT	8.390	
NET LENGTH OF EXCEPTIONS	0.774	
GROSS LENGTH OF PROJECT	7.616	

HNTB

3715 NORTHSIDE PARKWAY, NW
 200 NORTHCREEK, SUITE 800
 ATLANTA, GEORGIA 30327

PLANS PREPARED BY:

RECOMMENDED FOR APPROVAL BY:

STATE PROGRAM DELIVERY ENGINEER

DATE	CHIEF ENGINEER
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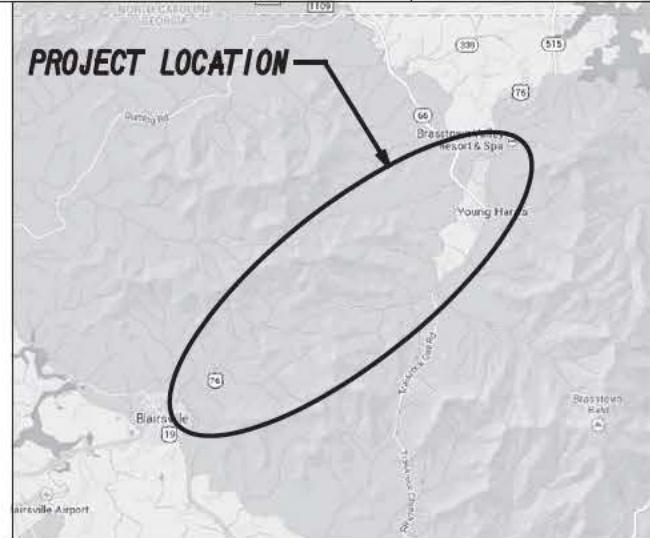
PLANS COMPLETED
REVISIONS

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NOTE :
 ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS, DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION WITH THIS DOCUMENT, TO "STATE HIGHWAY DEPARTMENT OF GEORGIA", "STATE HIGHWAY DEPARTMENT", GEORGIA STATE HIGHWAY DEPARTMENT, "HIGHWAY DEPARTMENT", OR "DEPARTMENT" WHEN THE CONTEXT THEREOF MEANS THE STATE HIGHWAY DEPARTMENT OF GEORGIA, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF TRANSPORTATION.

DRAWING No.

01-0001

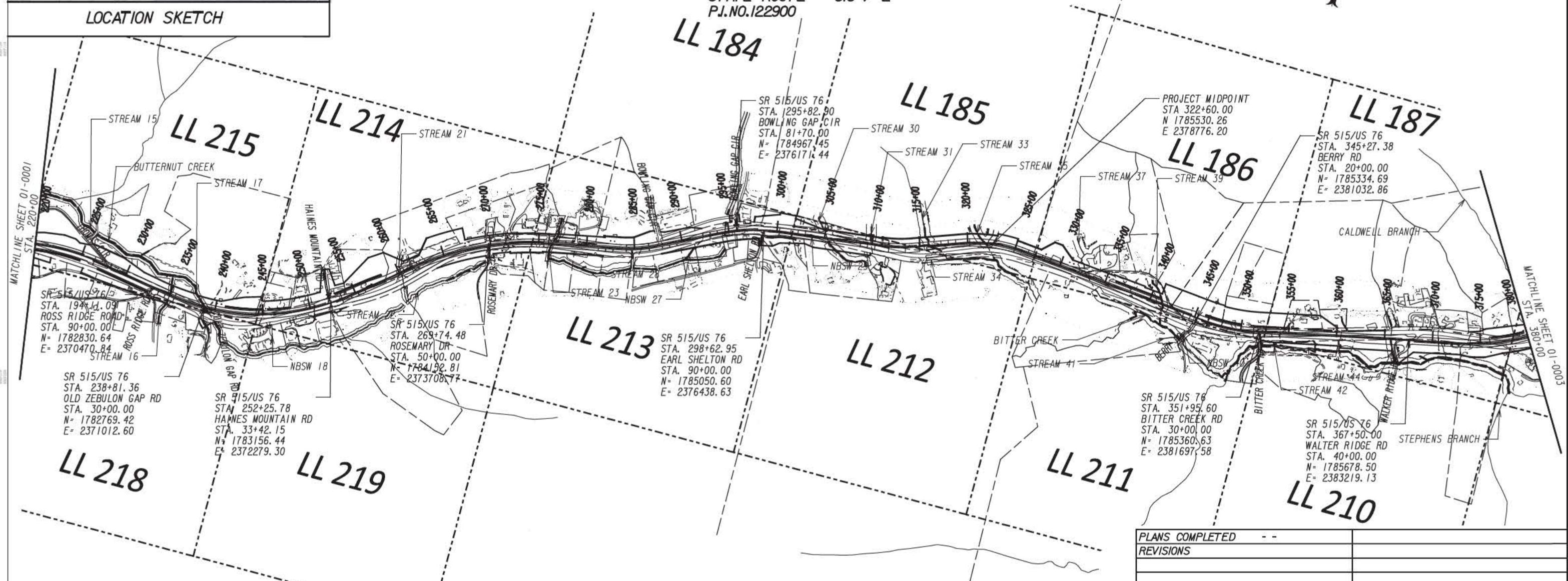


DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

**PLAN AND PROFILE OF PROPOSED
WIDENING OF SR 515 / SR 2 / US 76
FROM BLAIRSVILLE TO YOUNG HARRIS**

FEDERAL AID PROJECT

**FEDERAL ROUTE • 76
STATE ROUTE • 515 / 2
PJ.NO.122900**



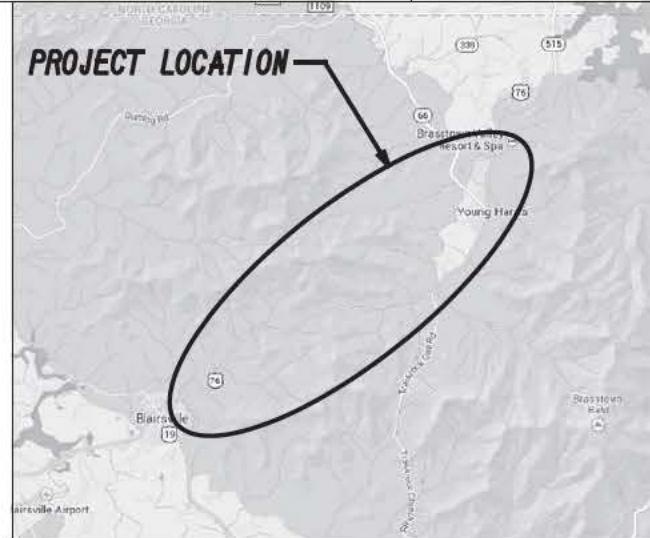
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DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

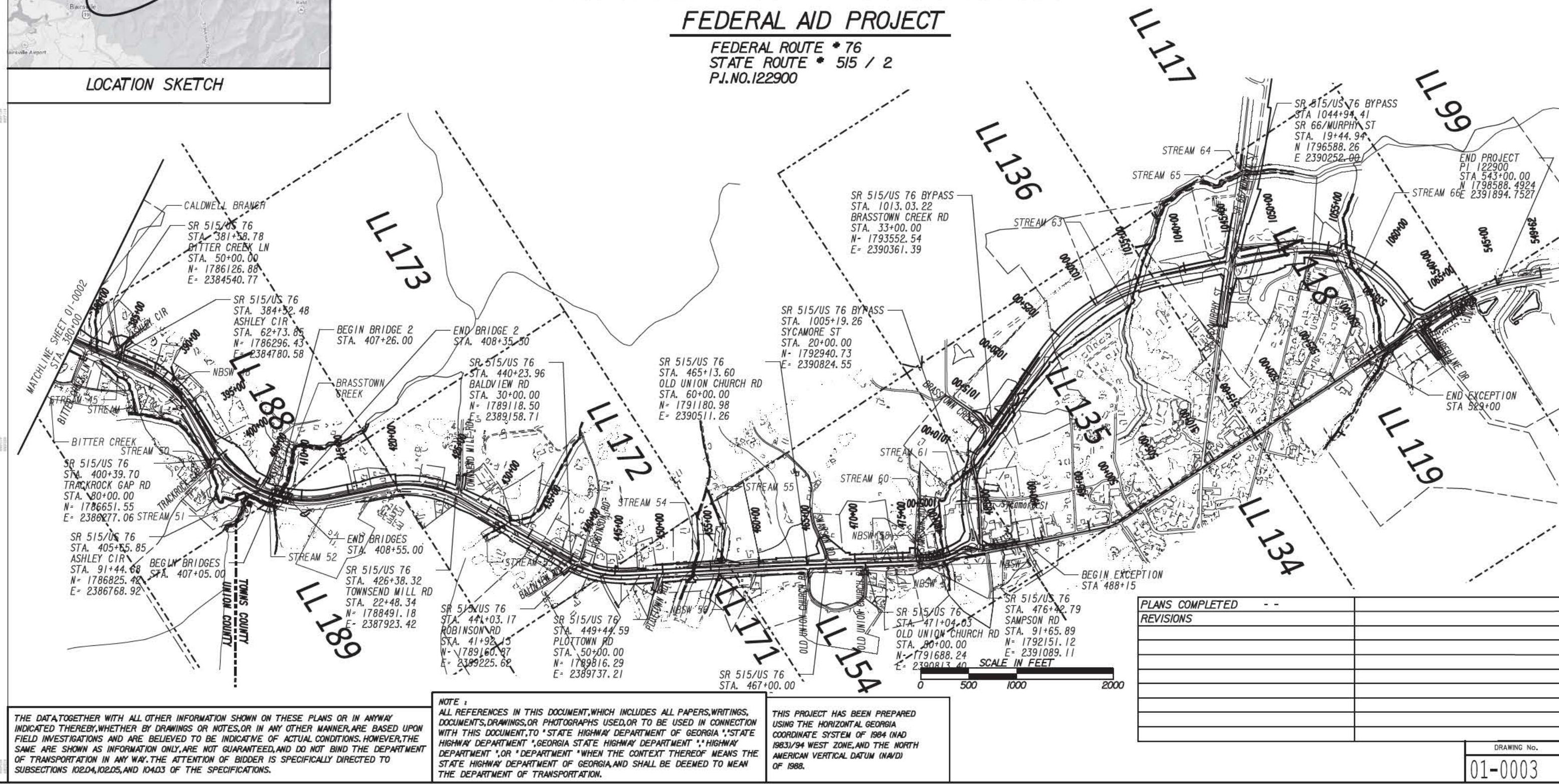
PLAN AND PROFILE OF PROPOSED WIDENING OF SR 515 / SR 2 / US 76 FROM BLAIRSVILLE TO YOUNG HARRIS

FEDERAL AID PROJECT

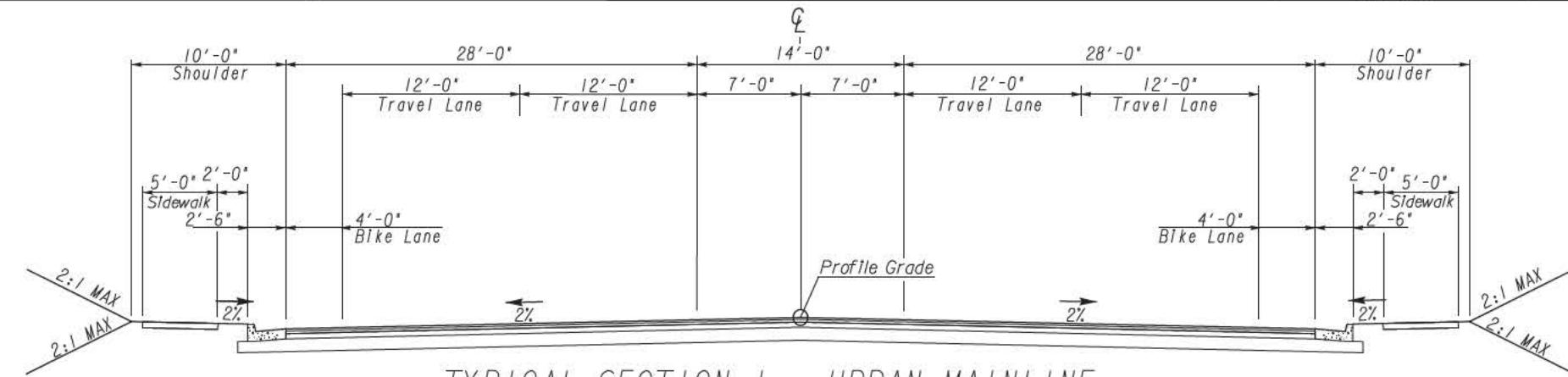
FEDERAL ROUTE • 76
STATE ROUTE • 515 / 2
PJ.NO.122900



LOCATION SKETCH

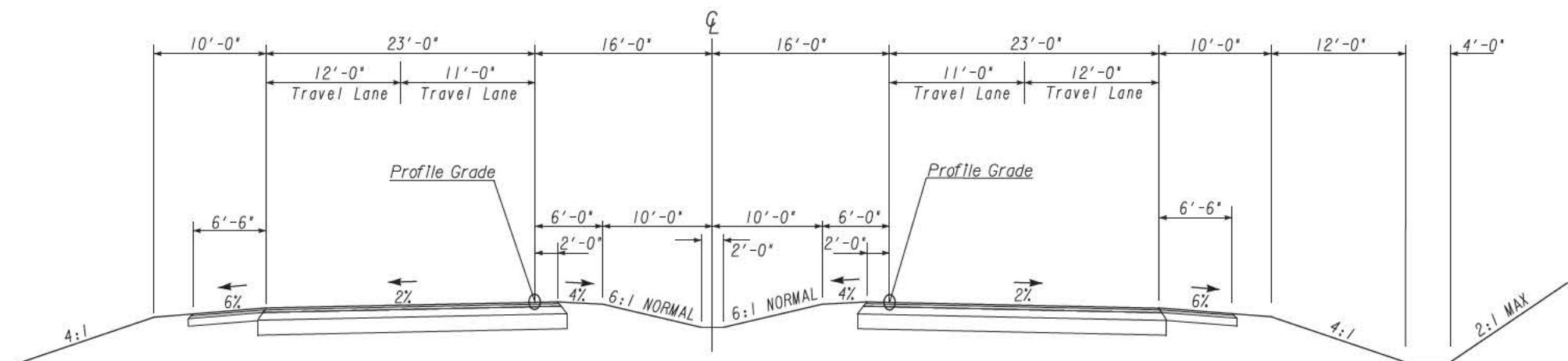


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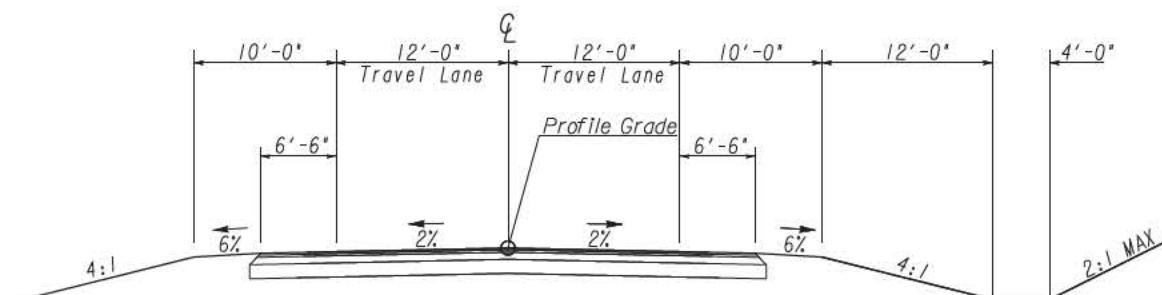


TYPICAL SECTION 1 - URBAN MAINLINE

YOUNG HARRIS ST TO EAST OF INDUSTRIAL BLVD
WEST OF PLOTTOWN RD TO PROPOSED ROUNDABOUT AT BRASSTOWN CREEK RD



TYPICAL SECTION 2 - RURAL MAINLINE
EAST OF INDUSTRIAL BLVD TO WEST OF PLOTTOWN RD

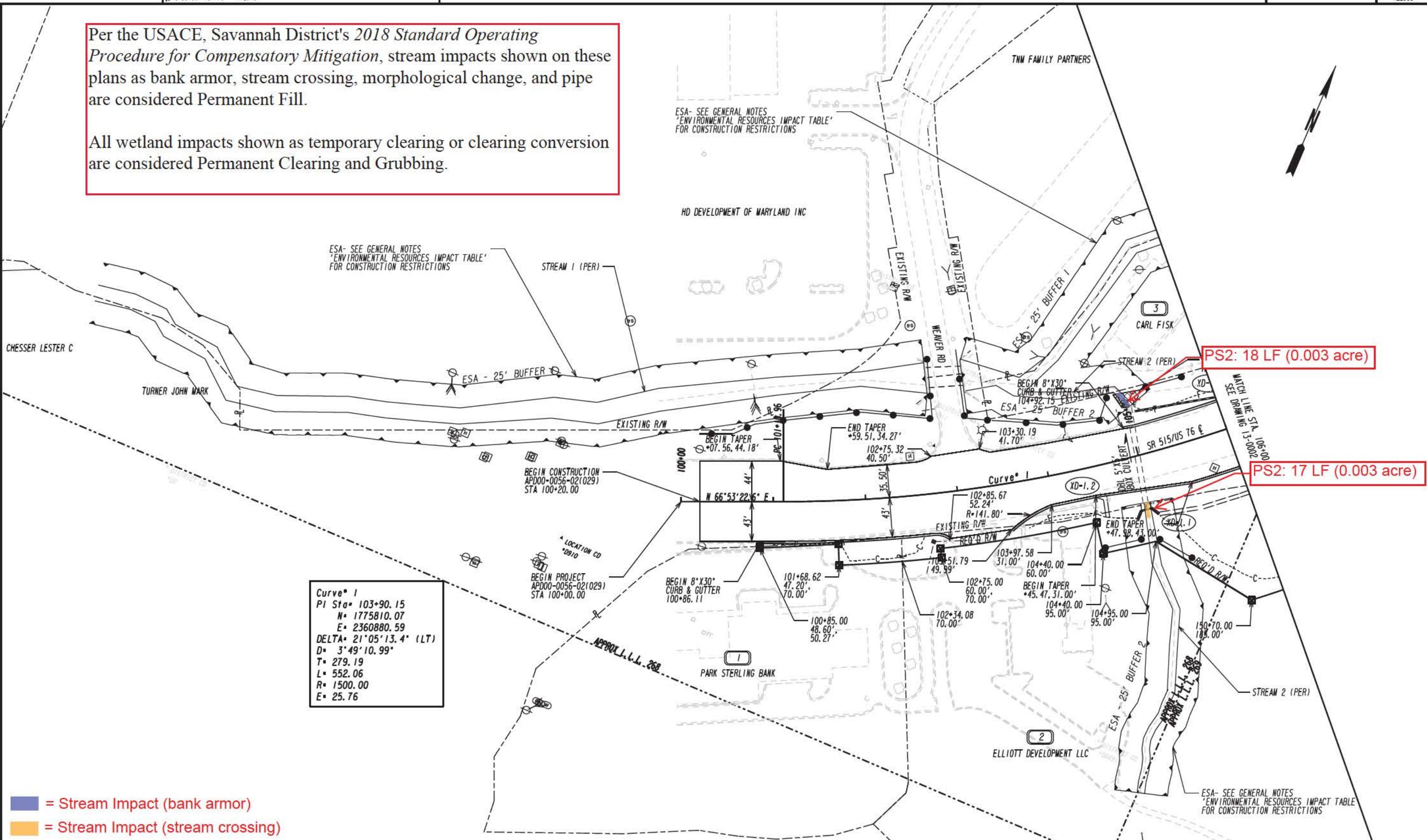


TYPICAL SECTION 3 - RURAL YOUNG HARRIS BYPASS
PROPOSED ROUNDABOUT AT BRASSTOWN CREEK RD TO ROUNDABOUT AT TIMBERLINE DR

		NO SCALE	REVISION DATES	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: PROGRAM DELIVERY	TYPICAL SECTIONS
GPLN				SR 515/2/US 76 FROM BLAIRSVILLE TO YOUNG HARRIS	DRAWING NO. 05-001

Per the USACE, Savannah District's *2018 Standard Operating Procedure for Compensatory Mitigation*, stream impacts shown on these plans as bank armor, stream crossing, morphological change, and pipe are considered Permanent Fill.

All wetland impacts shown as temporary clearing or clearing conversion are considered Permanent Clearing and Grubbing.



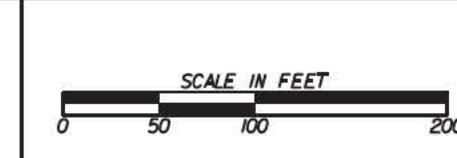
PROPERTY AND EXISTING R/W LINE
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ESA - ENV. SENSITIVE AREA
(SEE FRUIT TABLE)

HNTB

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ATLANTA, GEORGIA 30303



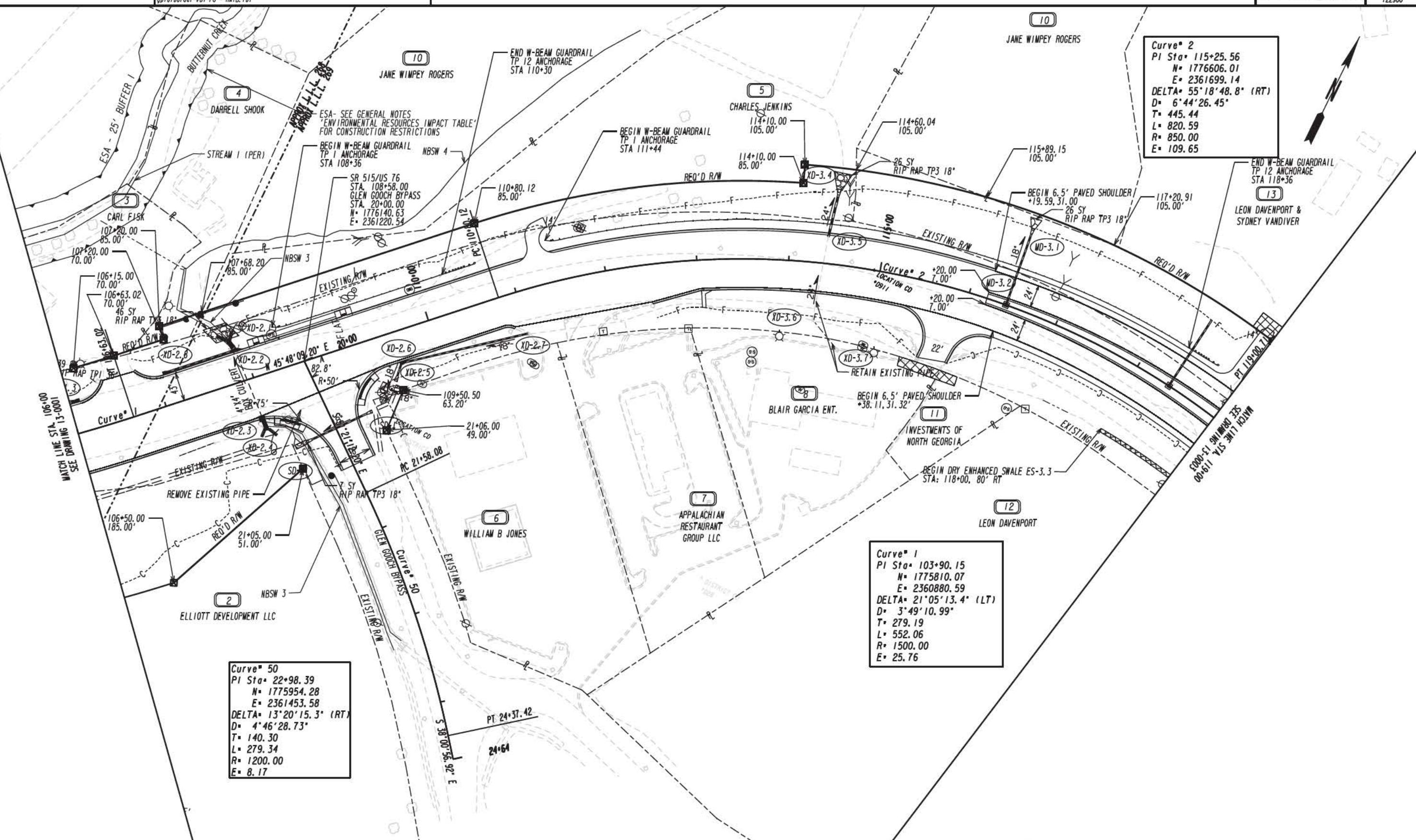
REVISION DATES

CONSTRUCTION PLAN

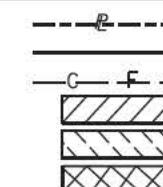
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BLAIRSVILLE TO YOUNG HARRIS**

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13-0001



PROPERTY AND EXISTING RW LINE
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ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

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ATLANTA, GEORGIA 30303

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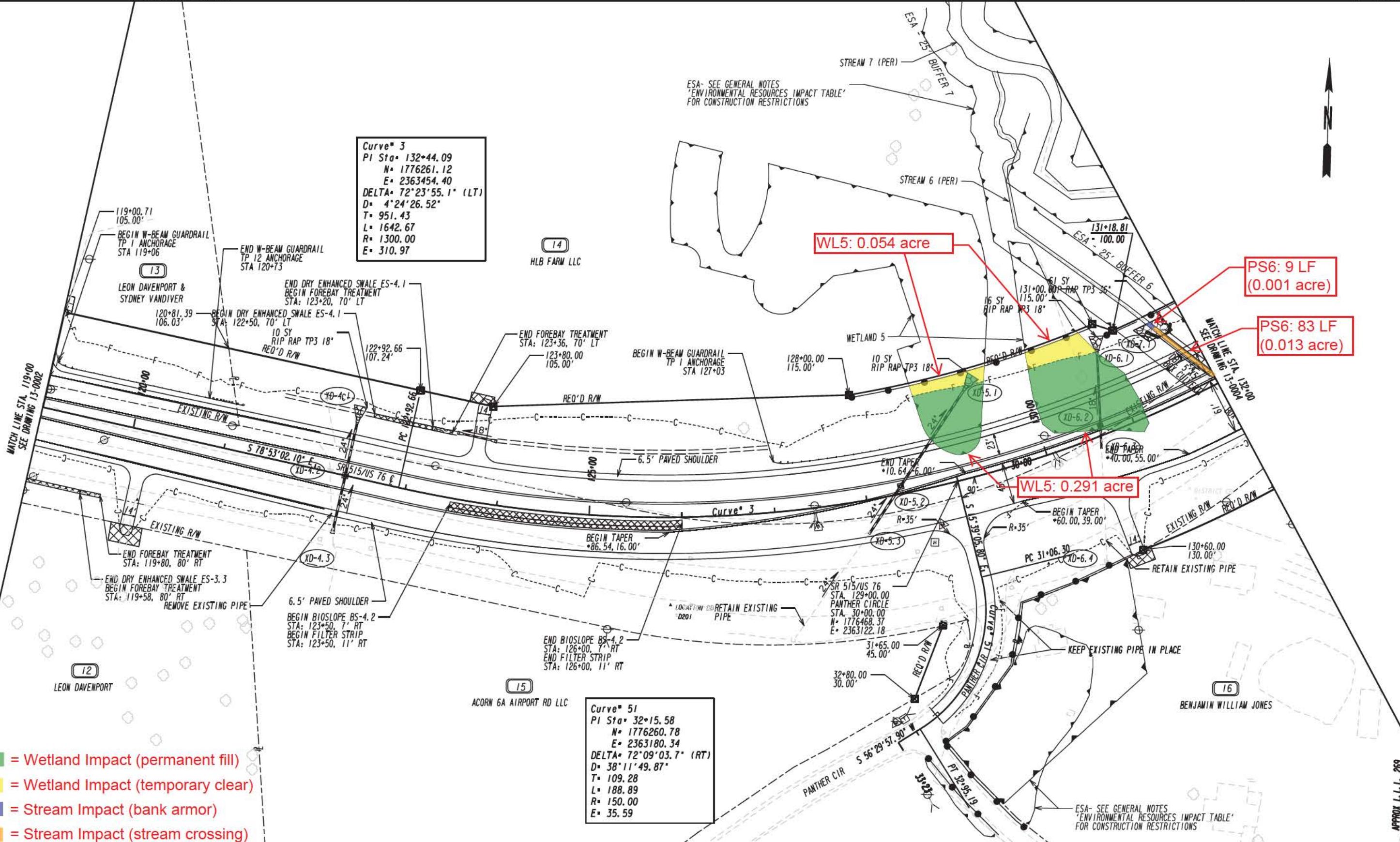
REVISION DATES	

CONSTRUCTION PLAN

SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

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PROPERTY AND EXISTING R/W LINE
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ESA - ENV. SENSITIVE AREA
[SEE EDIT TABLE]

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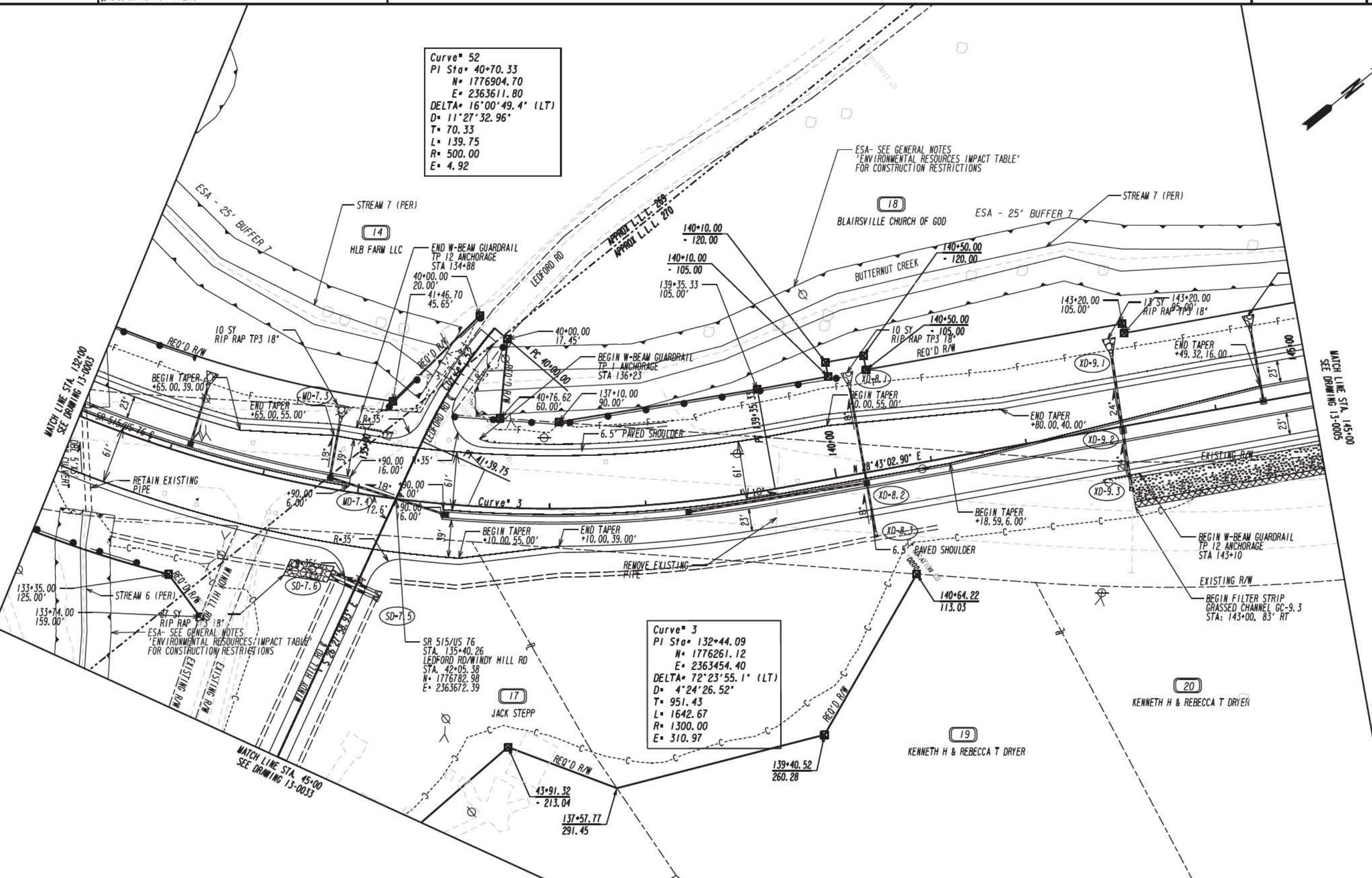
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CONSTRUCTION PLAN

**SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS**

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(SEE EDIT TABLE)

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ATLANTA, GEORGIA 30303

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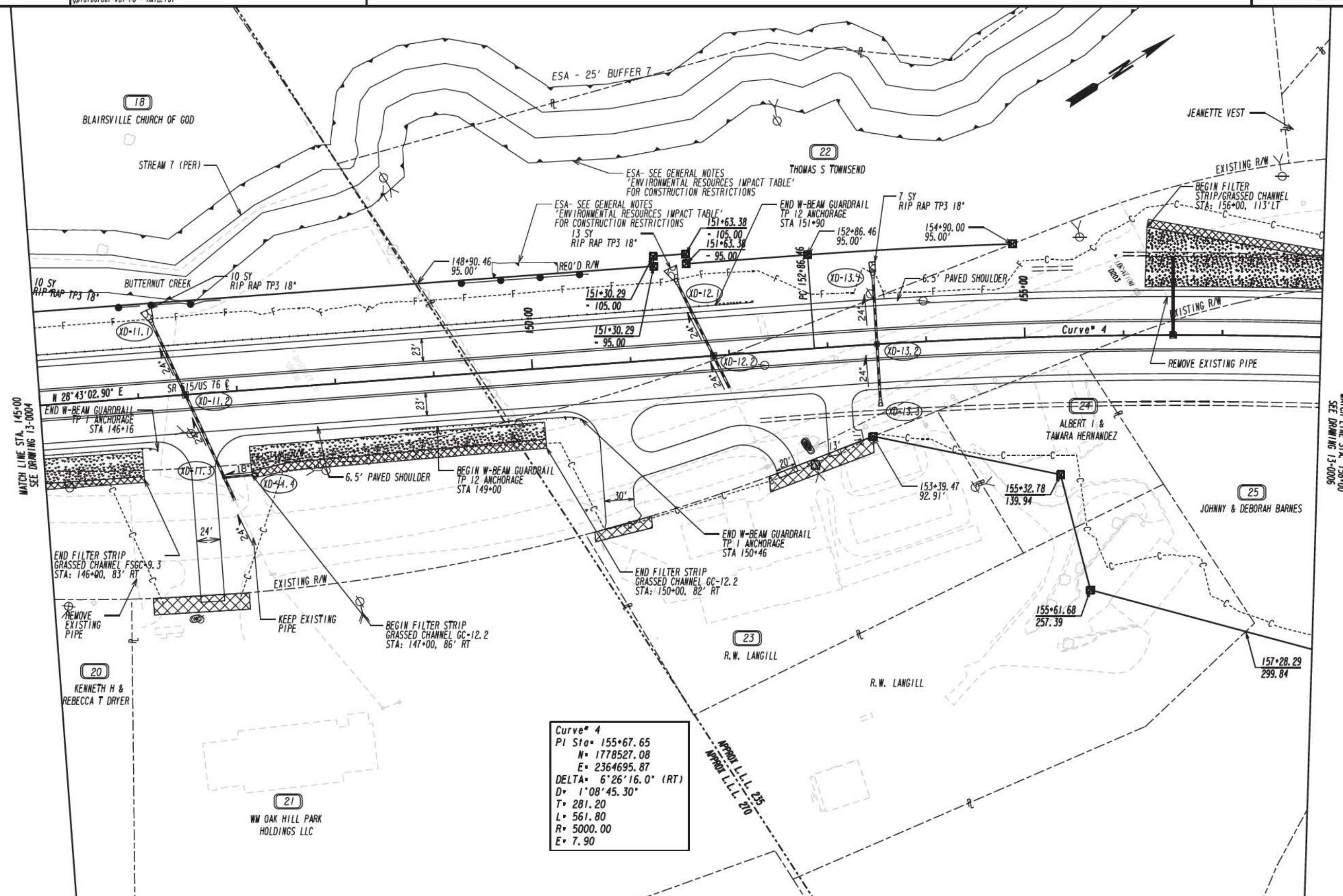
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REVISION DATES

CONSTRUCTION PLAN

**SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS**

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PROPERTY AND EXISTING R/W LINE
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ATLANTA, GEORGIA 30303

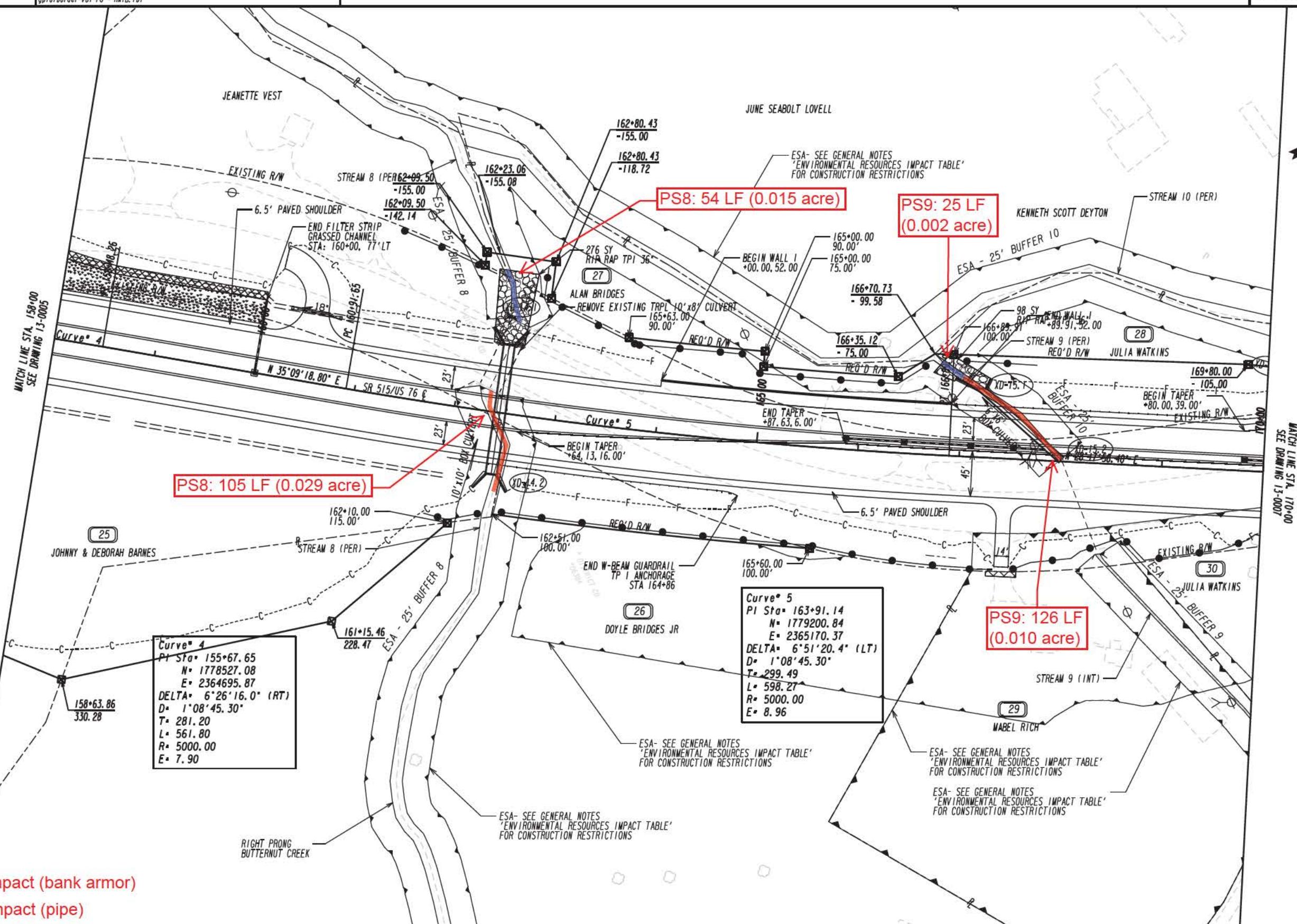
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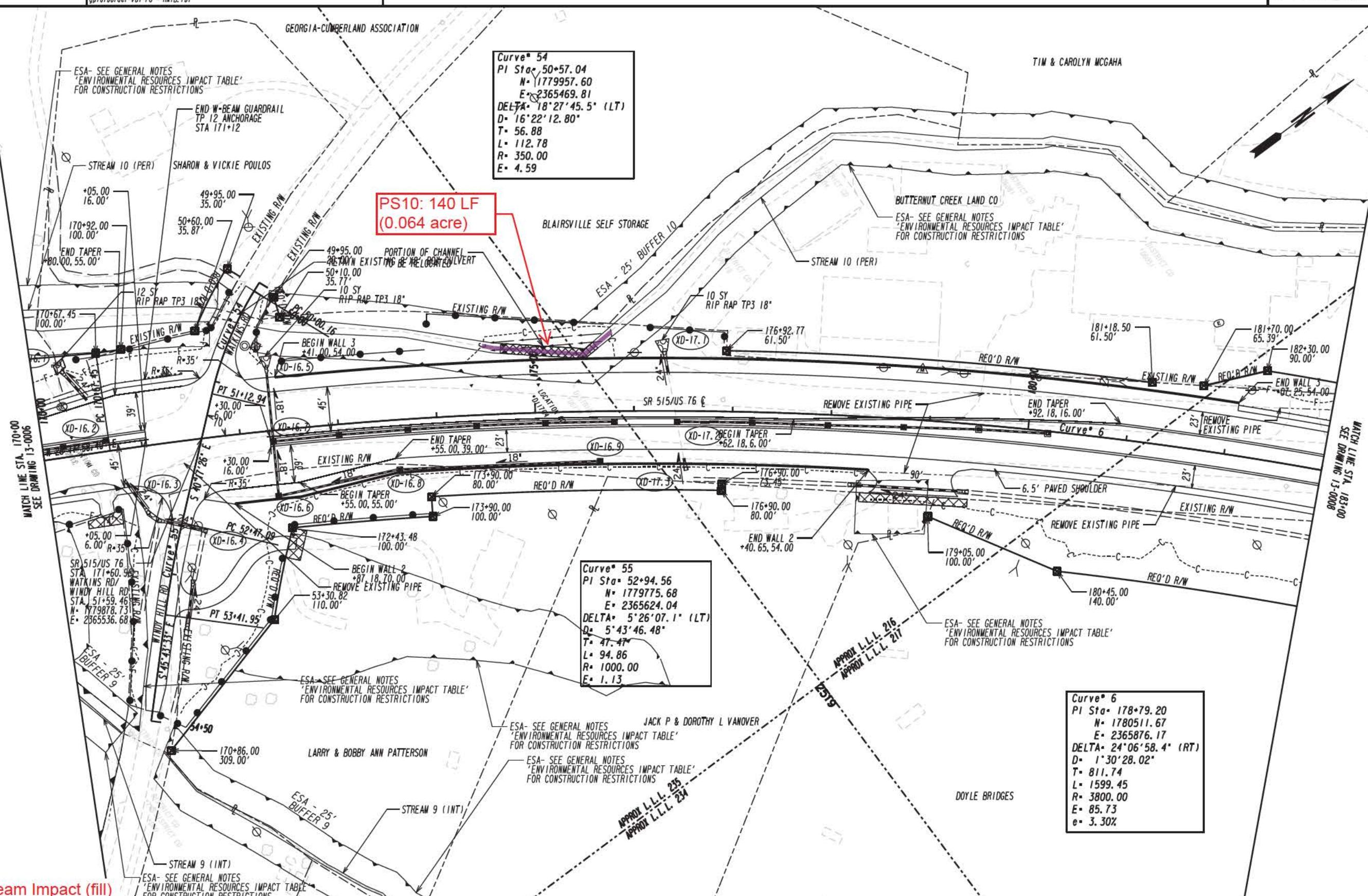
REVISION DATES

CONSTRUCTION PLAN

SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

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PROPERTY AND EXISTING R/W LINE
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& MAINTENANCE OF SLOPES
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ESA - ENV. SENSITIVE AREA
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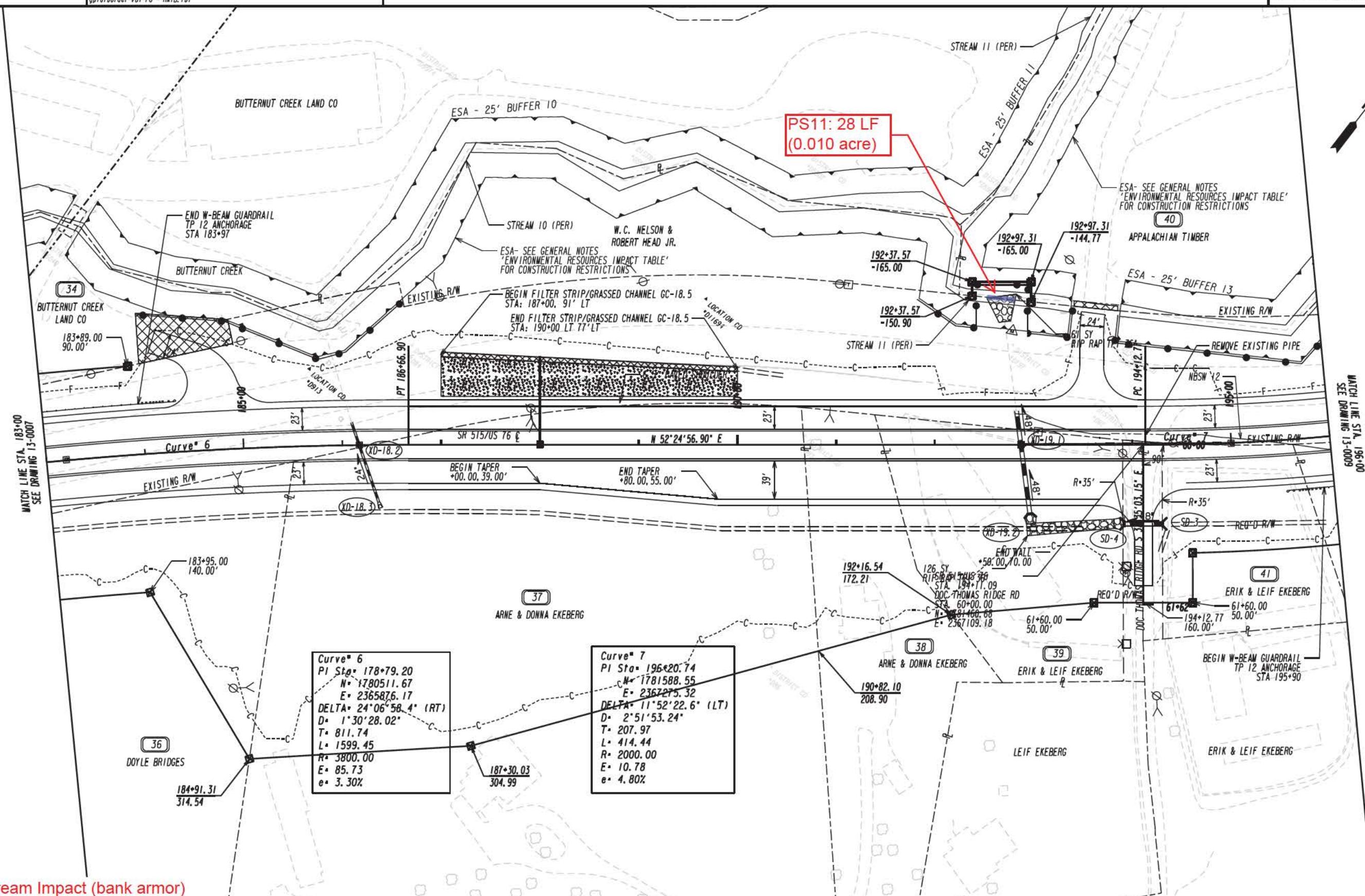
REVISION DATES

CONSTRUCTION PLAN

SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

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CORRECTED:	DATE:
VERIFIED:	DATE:

DRAWING NO.
13-0007



= Stream Impact (bank armor)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
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EASEMENT FOR CONSTR OF SLOPES
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ORANGE BARRIER FENCE
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ATLANTA, GEORGIA 30303

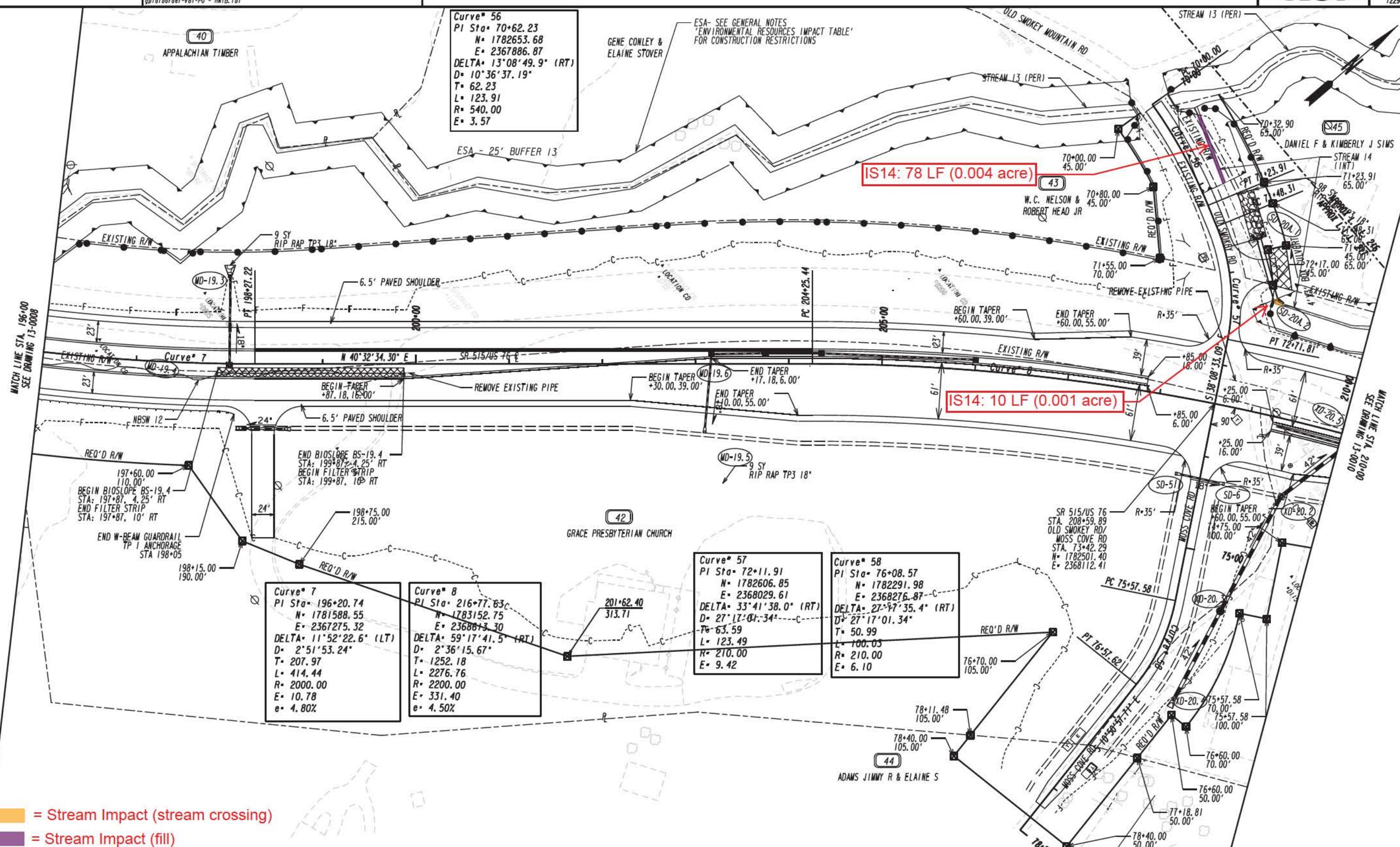
A horizontal scale bar with a black arrowhead pointing right. The text "SCALE IN FEET" is written above the bar. Numerical markings are present at 0, 50, 100, and 200.

REVISION DATES

CONSTRUCTION PLAN

**SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS**

DATE: DATE: DRAWING No.
ED: DATE: 13-0008
D: DATE:
I: DATE:



PROPERTY AND EXISTING RAW LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVE

BEGIN LIMIT OF ACCESS.....
END LIMIT OF ACCESS.....
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE CRIT TABLE)

BLA
ELA

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

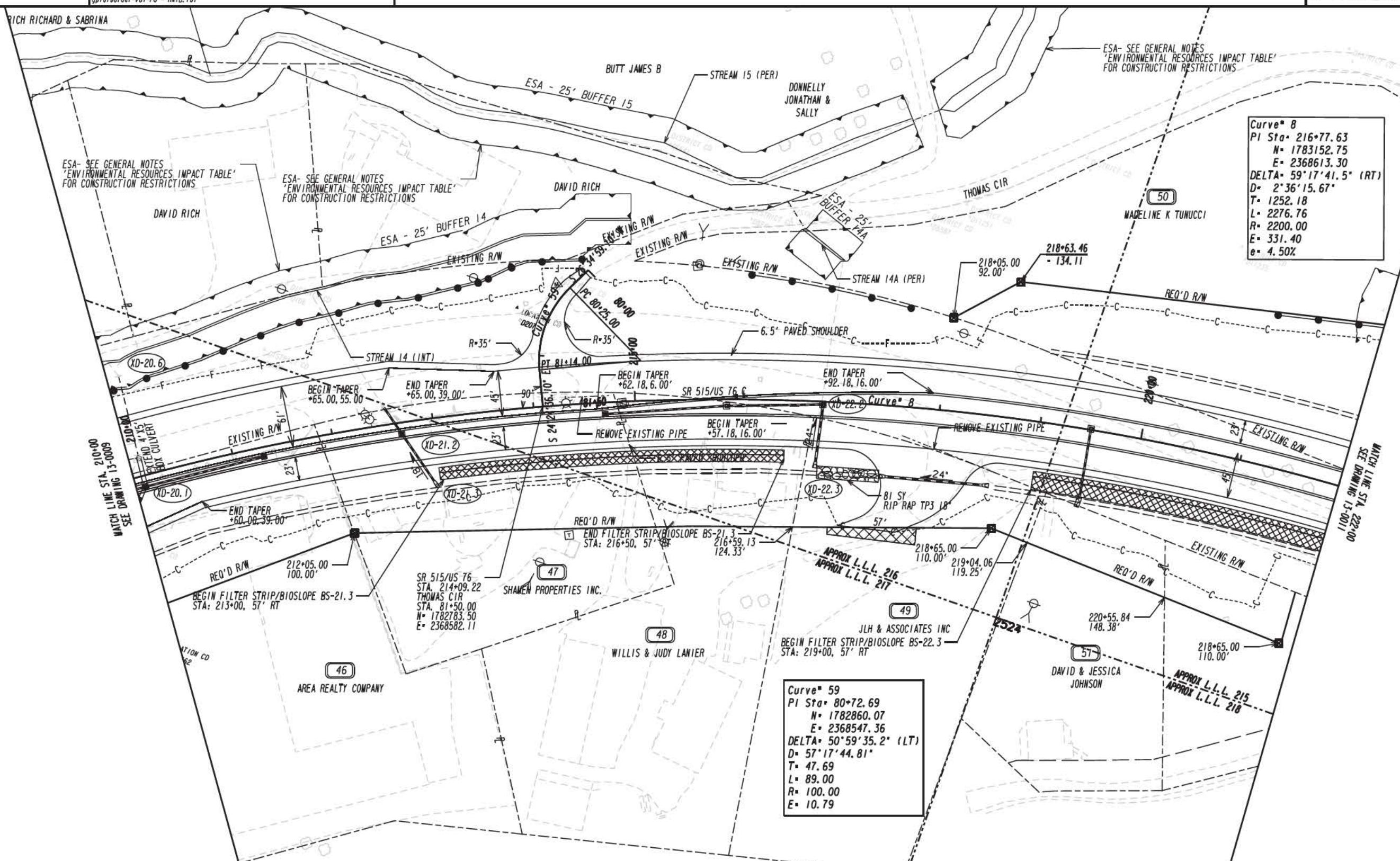
SCALE IN FEET

REVISION DATES

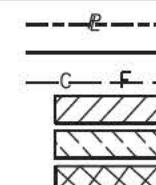
CONSTRUCTION PLAN

**SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS**

DATE: DRAWING No.
ED: DATE: 13-0009
DATE:
DATE:



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERT TABLE)

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

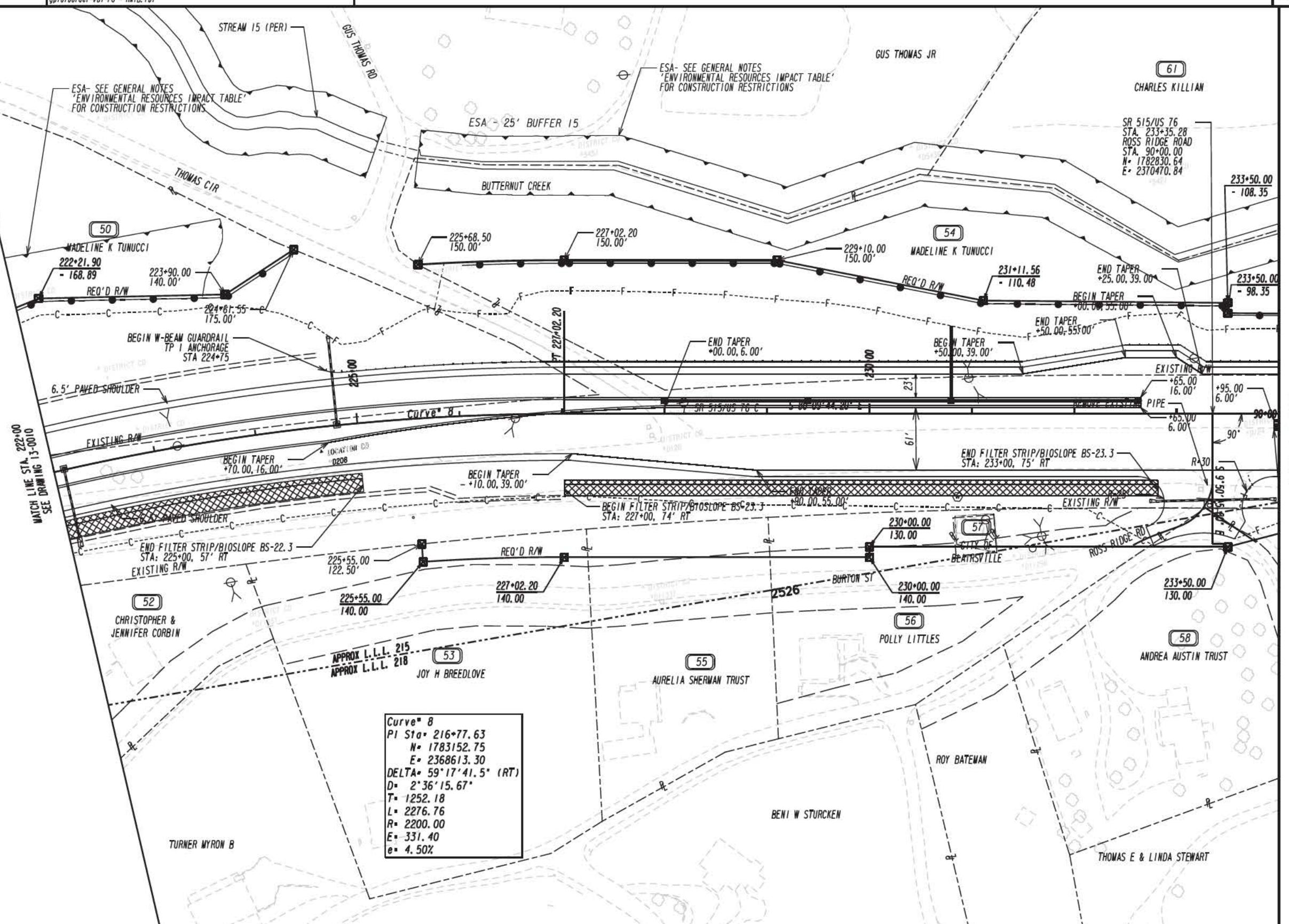
SCALE IN FEET
0 50 100 200

REVISION DATES

CONSTRUCTION PLAN

SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

CHECKED:	DATE:	DRAWING NO.
BACKCHECKED:	DATE:	13-0010
CORRECTED:	DATE:	
VERIFIED:	DATE:	



**WATCH LINE STA. 23W000
SEE DRAWING 13-0012**

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

A diagram consisting of several horizontal lines. At the top is a dashed line with a label 'P' at its right end. Below it is a solid line with a label 'C' at its left end. Underneath these are three horizontal bars, each with a different hatching pattern: diagonal lines from top-left to bottom-right, vertical lines, and a cross-hatch pattern.

BEGIN LIMIT OF ACCESS.....
END LIMIT OF ACCESS.....
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERDT TABLE)

.....BLA
.....ELA



HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

A horizontal scale bar with a black background. At the top center, the words "SCALE IN FEET" are written in white capital letters. Below the text, there is a thick black horizontal line representing the scale. On the left side of this line, the number "0" is printed in white. In the middle section, there are two white tick marks with numerical labels: "50" above the first mark and "100" above the second. On the far right, only the edge of the "200" label is visible.

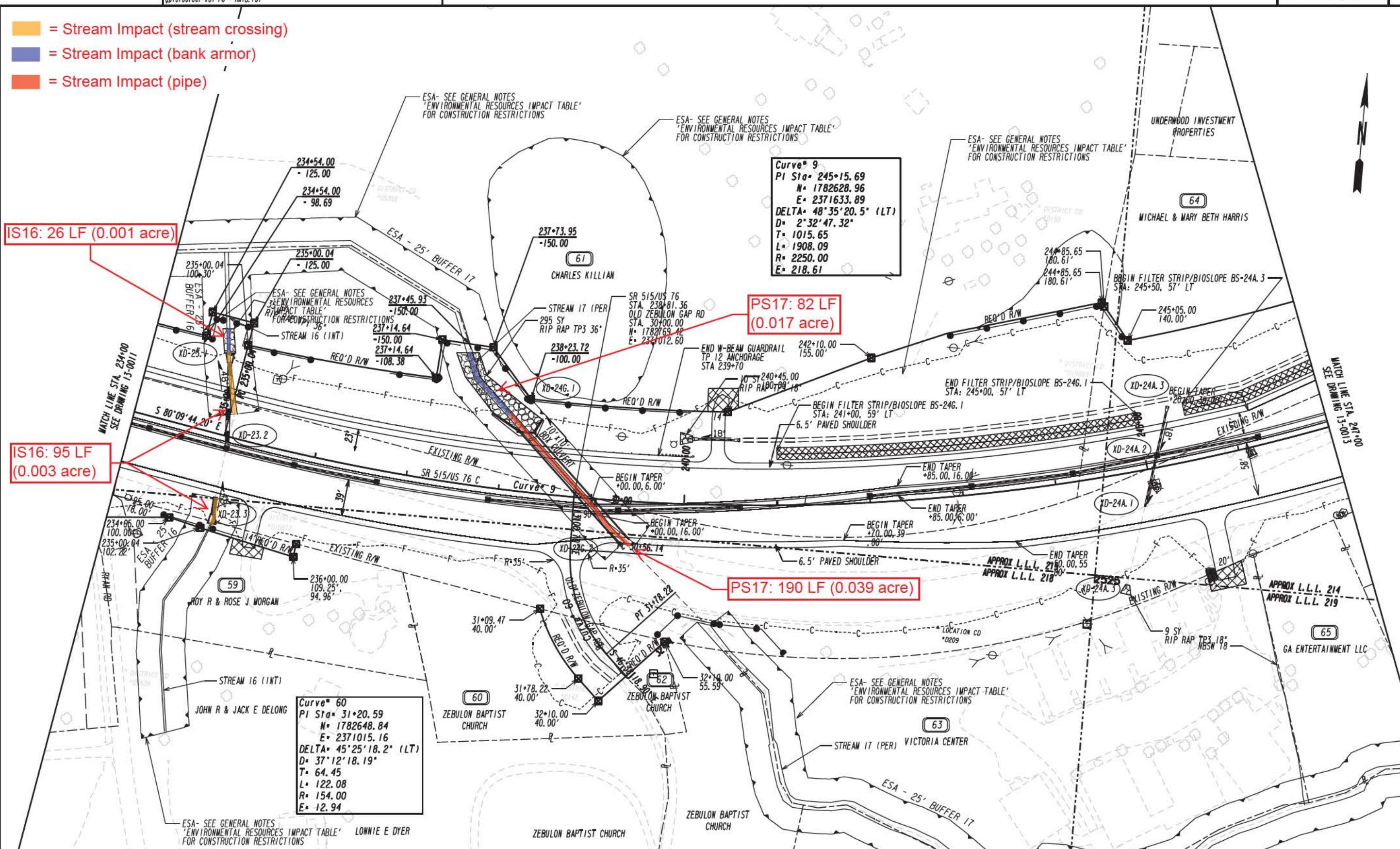
REVISION DATES

CONSTRUCTION PLAN

SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

	DATE:	DRAWING No.
CKED:	DATE:	
ED:	DATE:	
DI:	DATE:	
		13-0011

- = Stream Impact (stream crossing)
- = Stream Impact (bank armor)
- = Stream Impact (pipe)



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR.
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

A diagram consisting of several horizontal lines. At the top is a dashed line with a label 'P' at its right end. Below it is a solid line with a label 'C' at its left end. Underneath these are three horizontal bars, each with a different hatching pattern: diagonal lines from top-left to bottom-right, vertical lines, and a cross-hatch pattern.

BEGIN LIMIT OF ACCESS.....
END LIMIT OF ACCESS.....
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE EDIT TABLE)

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET



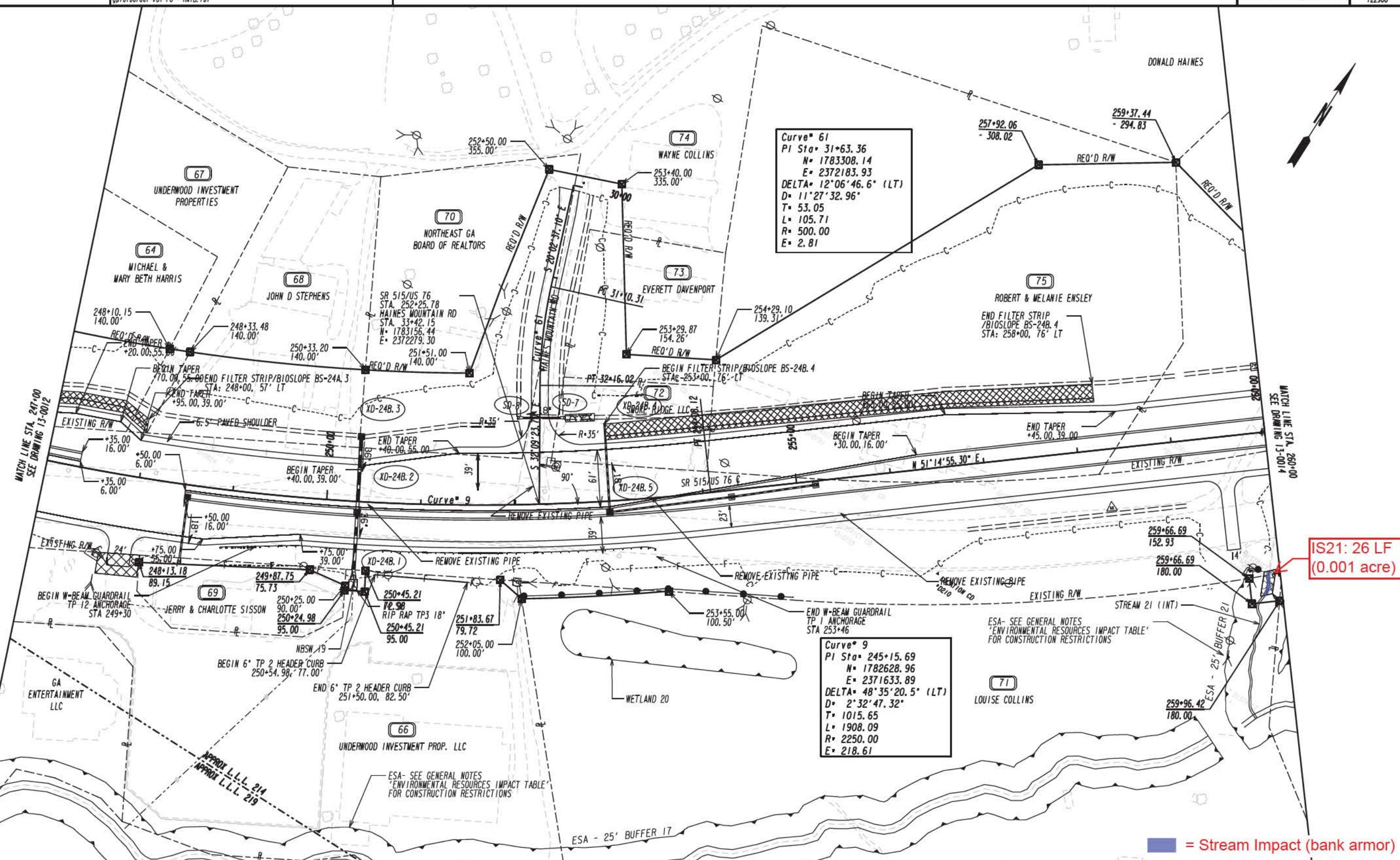
A horizontal scale bar with tick marks at 0, 50, 100, and 200. The word "SCALE IN FEET" is written above the bar.

REVISION DATES

CONSTRUCTION PLAN

SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

RECEIVED:	DATE:	DRAWING No.
ED:	DATE:	
ED:	DATE:	
	DATE:	13-0012



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

P
—
C F
—
Hatched
X-hatched

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REO'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERT TABLE)

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET
0 50 100 200

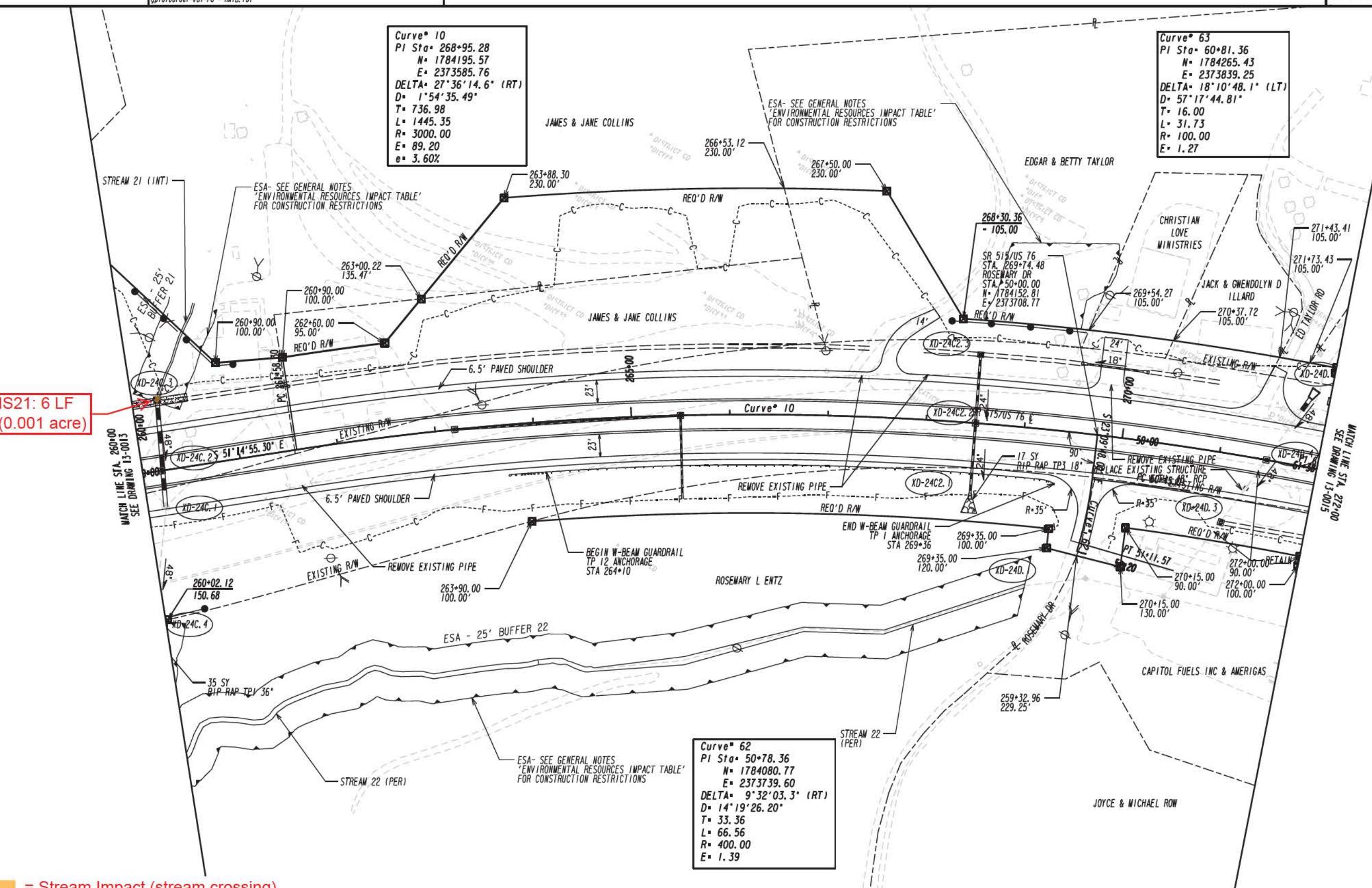
REVISION DATES	

CONSTRUCTION PLAN

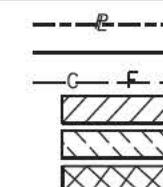
SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

CHECKED:	DATE:
BACKCHECKED:	DATE:
CORRECTED:	DATE:
VERIFIED:	DATE:

DRAWING NO.
13-0013



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REO'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERET TABLE)

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET
0 50 100 200

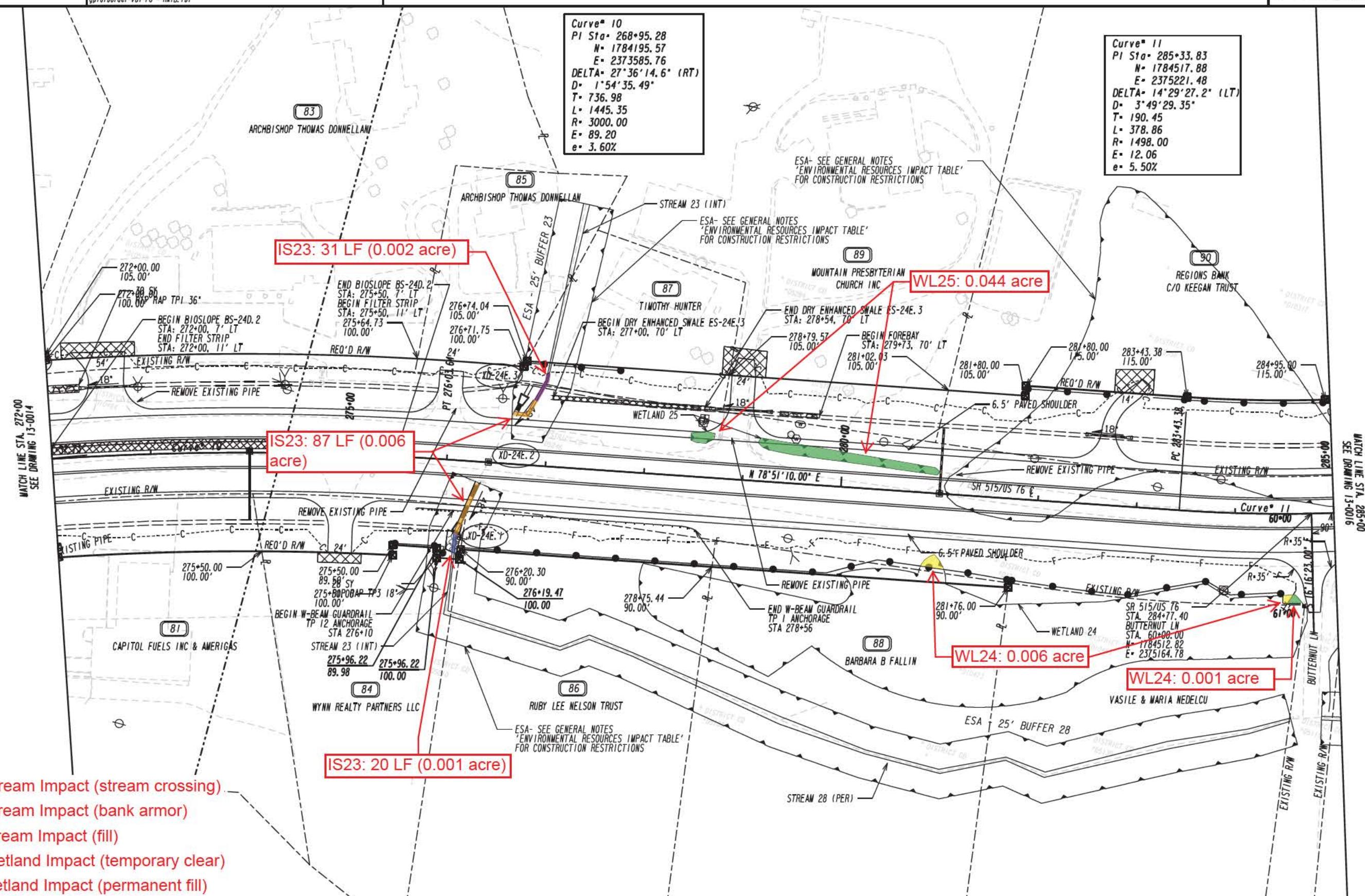
REVISION DATES	

CONSTRUCTION PLAN

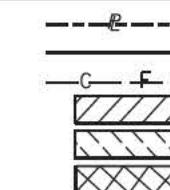
SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

CHECKED:	DATE:
BACKCHECKED:	DATE:
CORRECTED:	DATE:
VERIFIED:	DATE:

DRAWING NO.
13-0014



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERT TABLE)

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

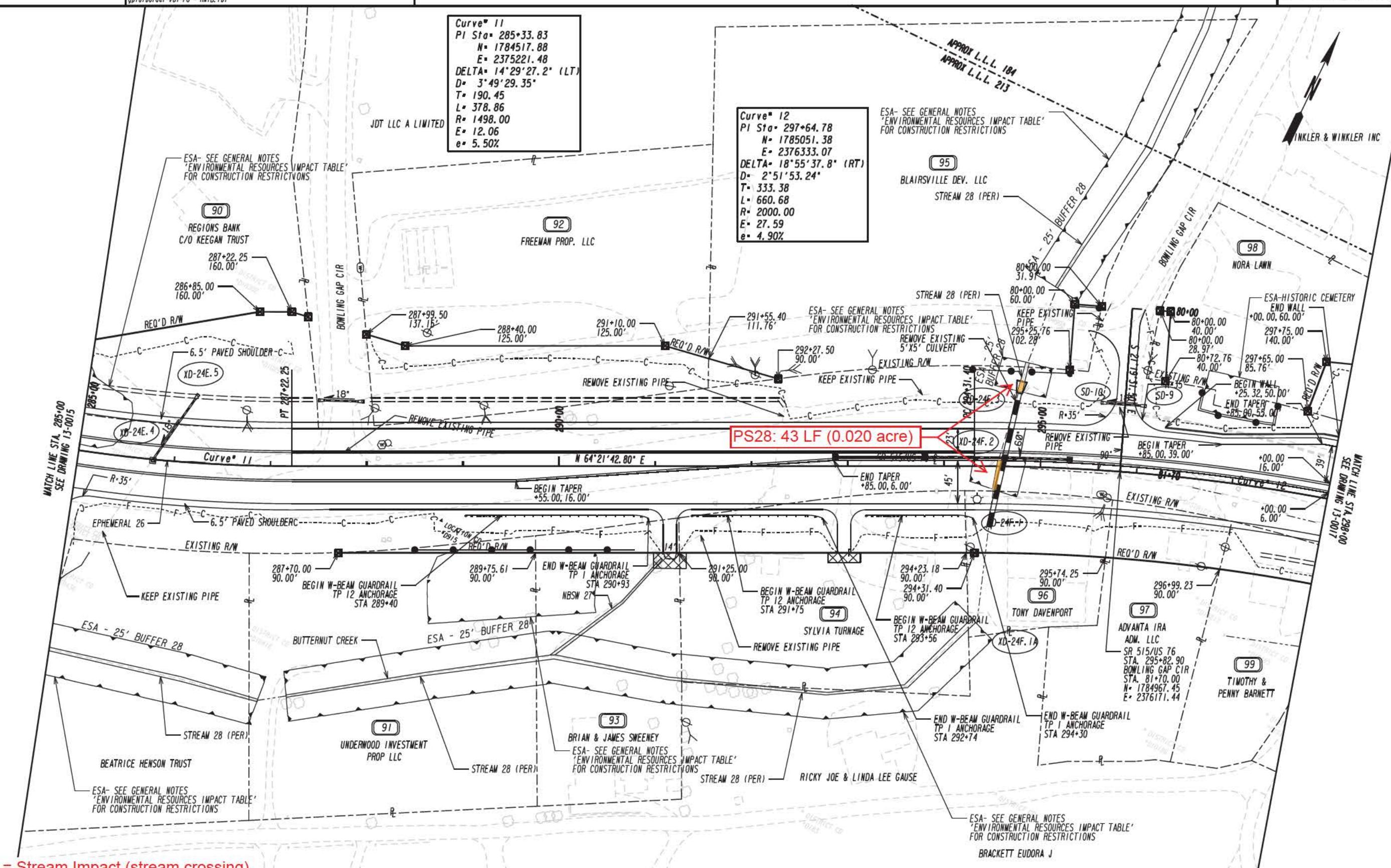
SCALE IN FEET
0 50 100 200

REVISION DATES	

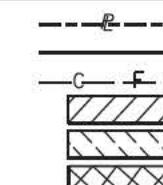
CONSTRUCTION PLAN
SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

CHECKED:	DATE:
BACKCHECKED:	DATE:
CORRECTED:	DATE:
VERIFIED:	DATE:

13-0015



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REO'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET
0 50 100 200

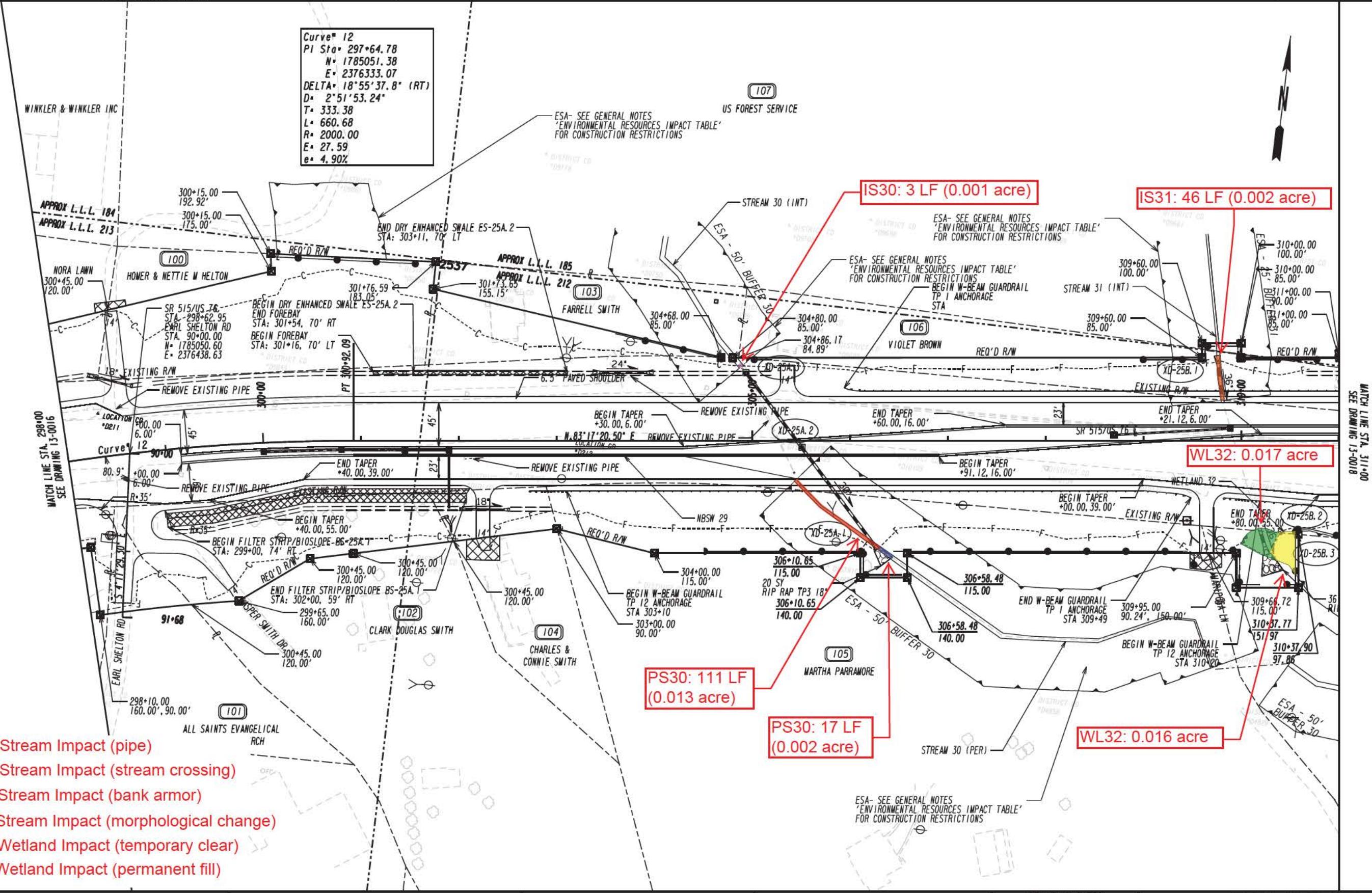
REVISION DATES	

CONSTRUCTION PLAN

SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

CHECKED:	DATE:

DRAWING NO.
13-0016



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVE

A diagram consisting of two horizontal lines. The top line is dashed and has a bracket underneath it. The bottom line is solid and also has a bracket underneath it. Both brackets are labeled with the letters 'C' and 'F' at their ends.

BEGIN LIMIT OF ACCESS.....BL
END LIMIT OF ACCESS.....EL
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE FRUIT TABLE)

The logo consists of the letters "HNTB" in a large, bold, black sans-serif font. To the left of the logo is a graphic element consisting of three horizontal lines of varying lengths, each ending in a small black circle. Below the logo is the company's address: "191 PEACHTREE STREET, NE, SUITE 3300 ATLANTA, GEORGIA 30303".

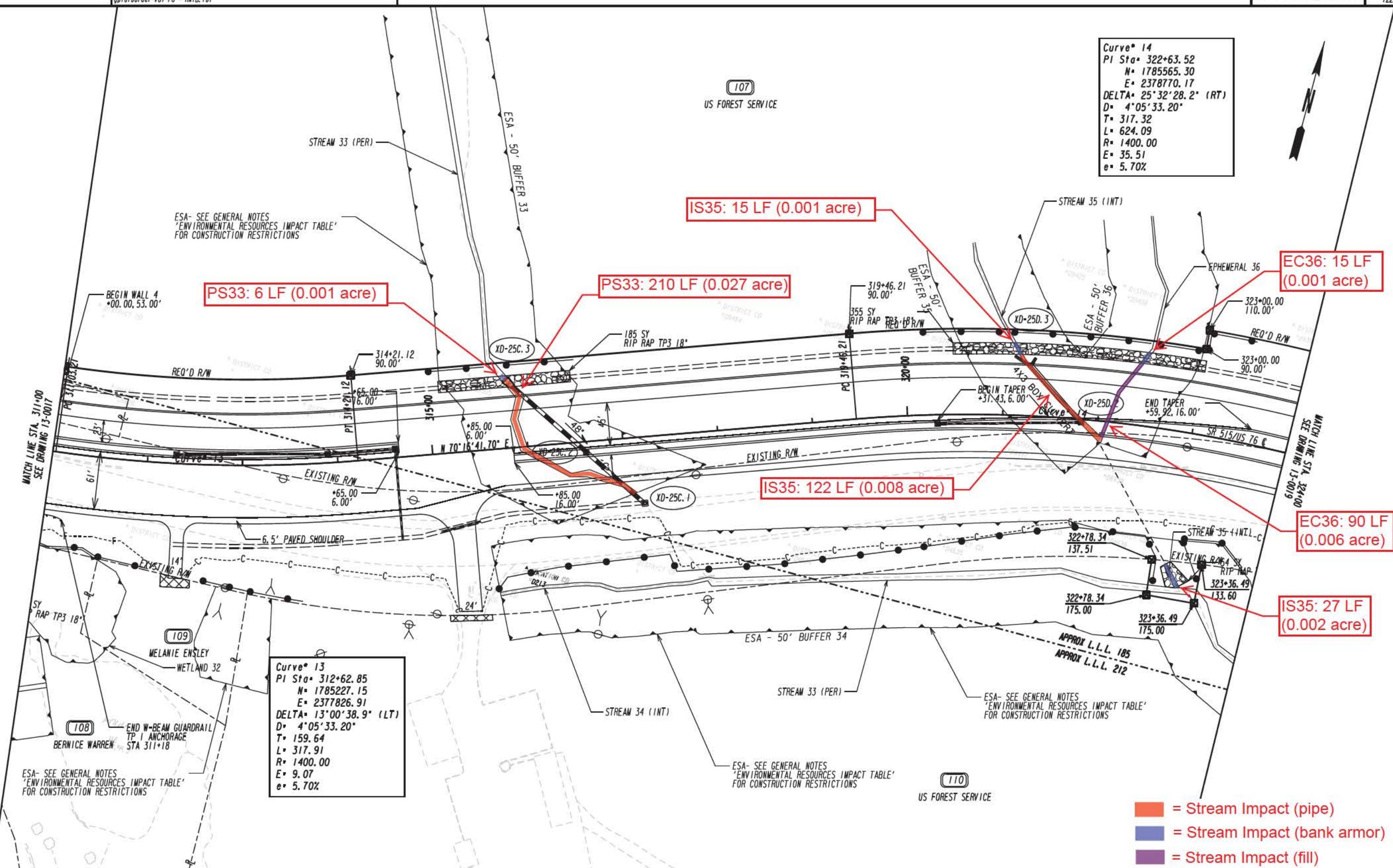
A scale bar with a horizontal line divided into four equal segments by tick marks. The segments are labeled 0, 50, 100, and 200. Above the line, the text "SCALE IN FEET" is written in capital letters.

REVISION DATES

CONSTRUCTION PLAN

**SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS**

ED:	DATE:	DRAWING No.
	DATE:	
	DATE:	
	DATE:	13-0017



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

P
—
C F
—
H H
—
X X
—
X X X X
—
▼ ▼

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERT TABLE)

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

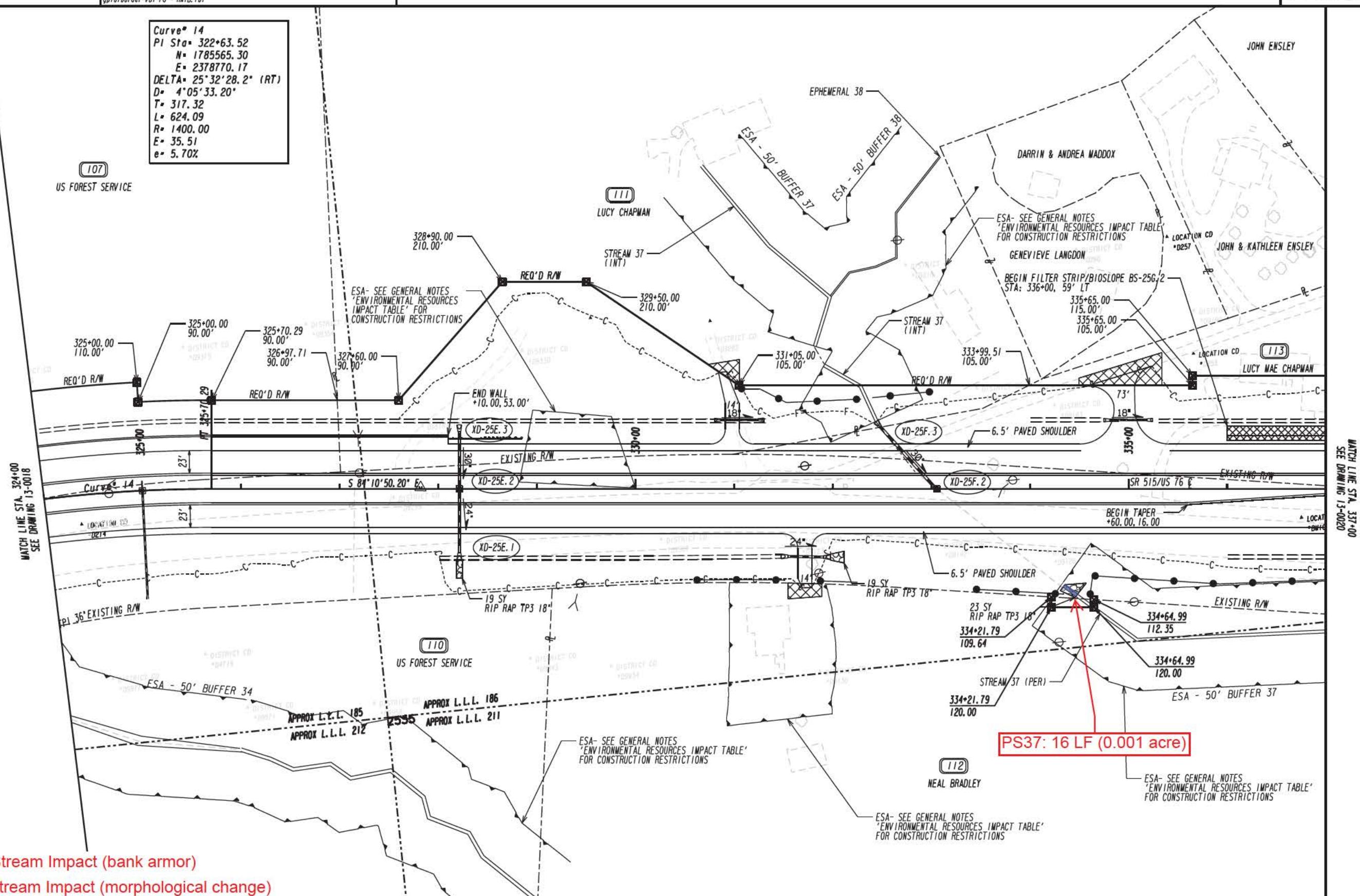
SCALE IN FEET
0 50 100 200

REVISION DATES	

CONSTRUCTION PLAN
SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

CHECKED:	DATE:
BACKCHECKED:	DATE:
CORRECTED:	DATE:
VERIFIED:	DATE:

DRAWING No.
13-0018



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

--- F ---
--- G ---
--- H ---
--- I ---
--- J ---
--- K ---
--- L ---
--- M ---
--- N ---
--- O ---
--- P ---
--- Q ---
--- R ---
--- S ---
--- T ---
--- U ---
--- V ---
--- W ---
--- X ---
--- Y ---
--- Z ---

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET
0 50 100 200

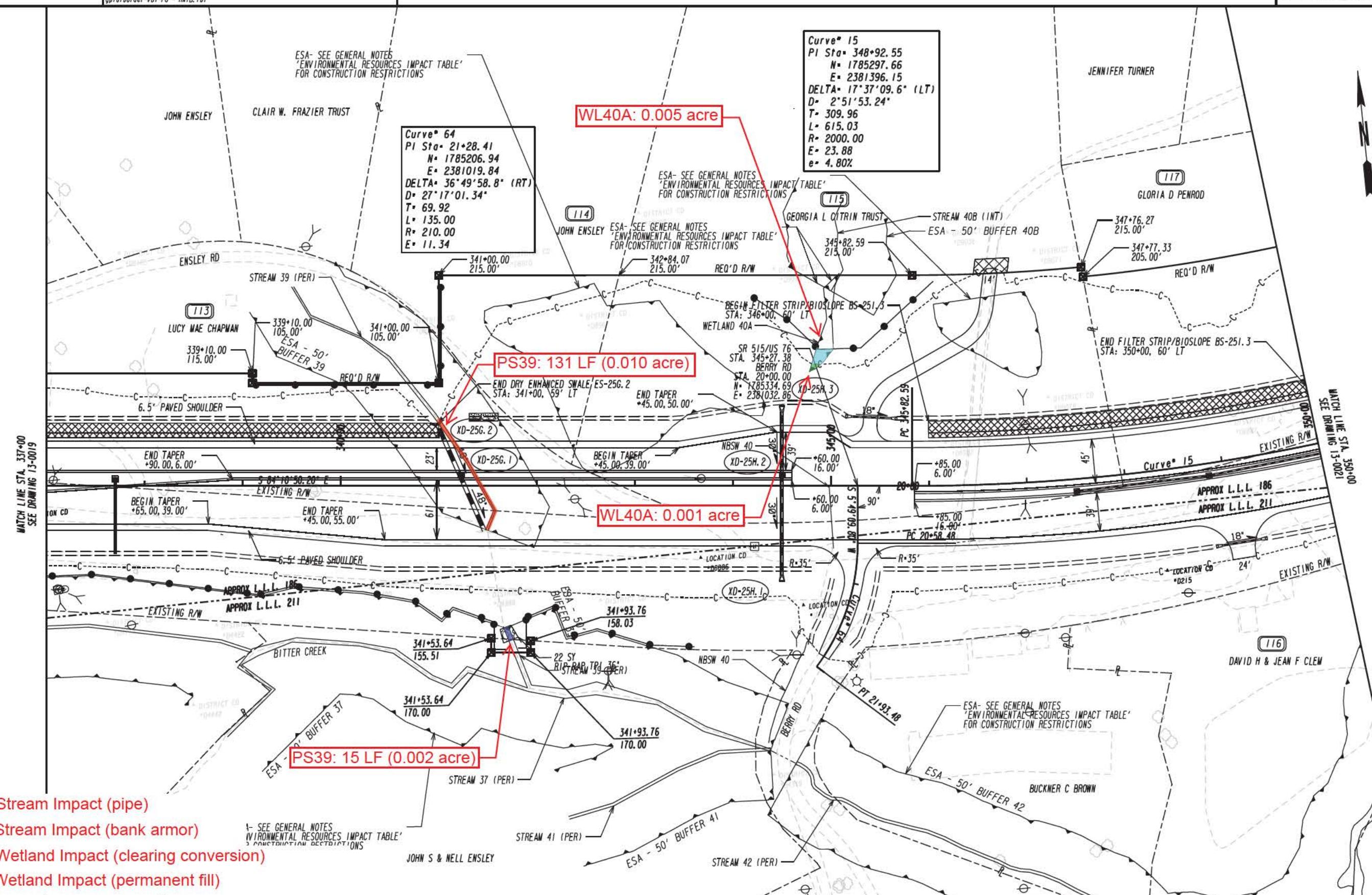
REVISION DATES	

CONSTRUCTION PLAN

SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

CHECKED:	DATE:	DRAWING NO.

13-0019



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

P

C F

Hatched
X-hatched

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

ooo ooo
III III
● ●
▼ ▼

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

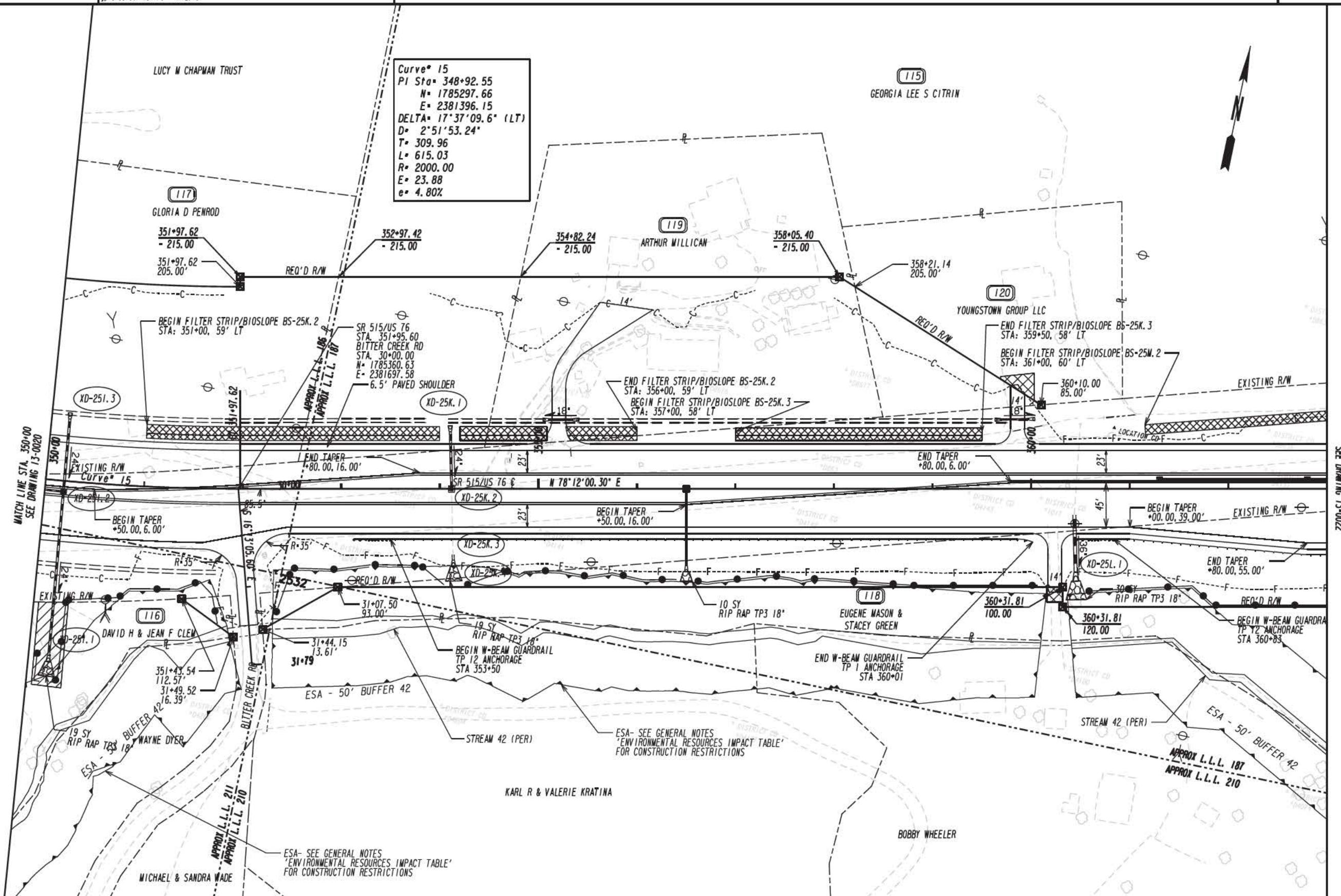
SCALE IN FEET
0 50 100 200

REVISION DATES	

CONSTRUCTION PLAN
SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

CHECKED:	DATE:
BACKCHECKED:	DATE:
CORRECTED:	DATE:
VERIFIED:	DATE:

DRAWING NO.
13-0020



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

P
C F
Hatched area
Cross-hatched area

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REO'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET
0 50 100 200

REVISION DATES	

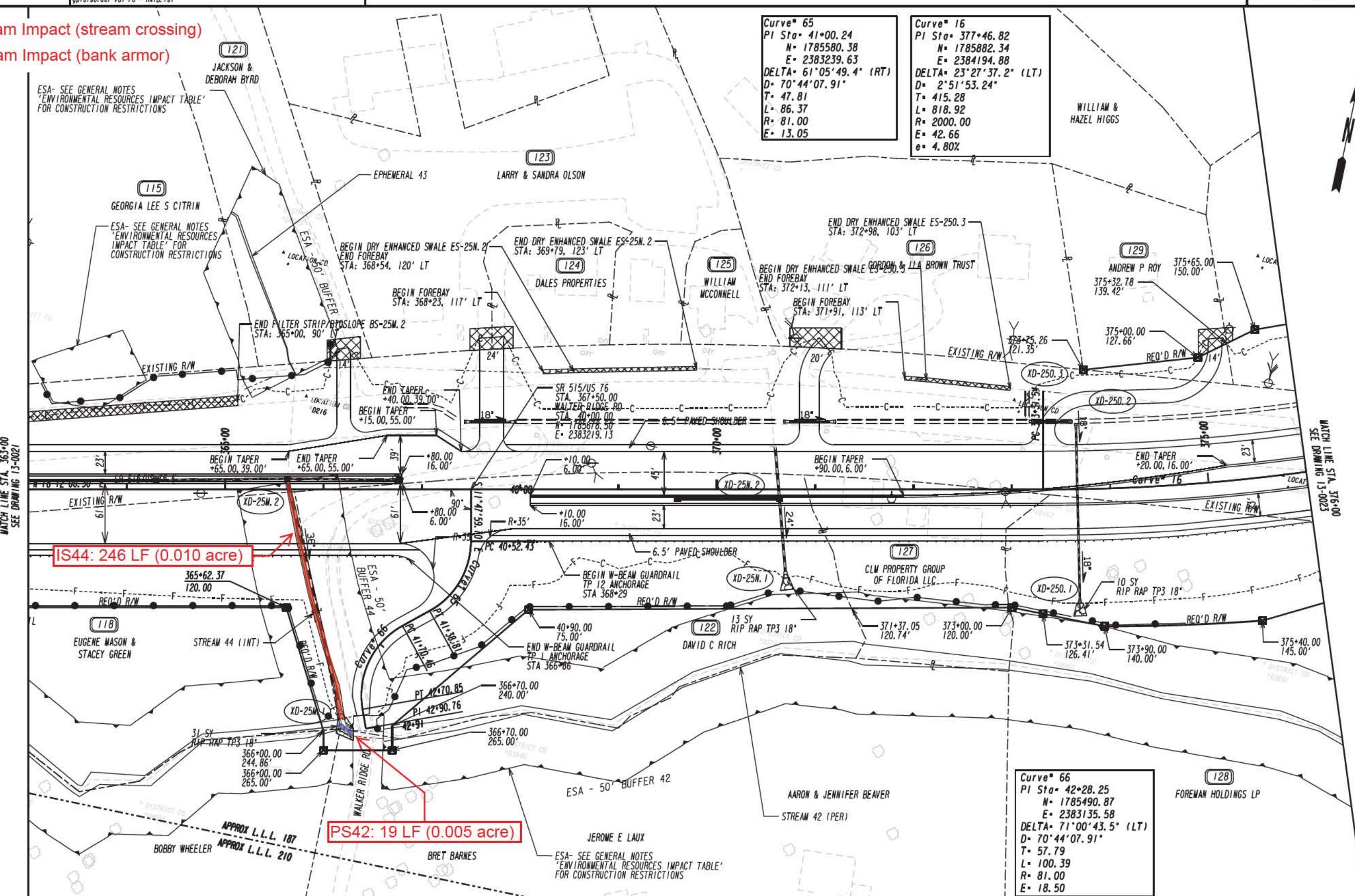
CONSTRUCTION PLAN

SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

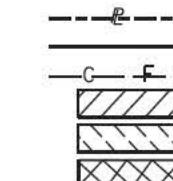
CHECKED:	DATE:
BACKCHECKED:	DATE:
CORRECTED:	DATE:
VERIFIED:	DATE:

DRAWING NO.
13-0021

- = Stream Impact (stream crossing)
- = Stream Impact (bank armor)

MATCH LINE STA. 363+00
SEE DRAWING I3-0021MATCH LINE STA. 376+00
SEE DRAWING I3-0023

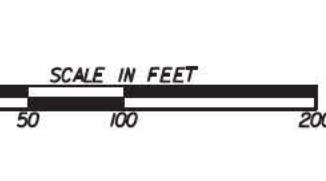
PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERT TABLE)

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303



REVISION DATES

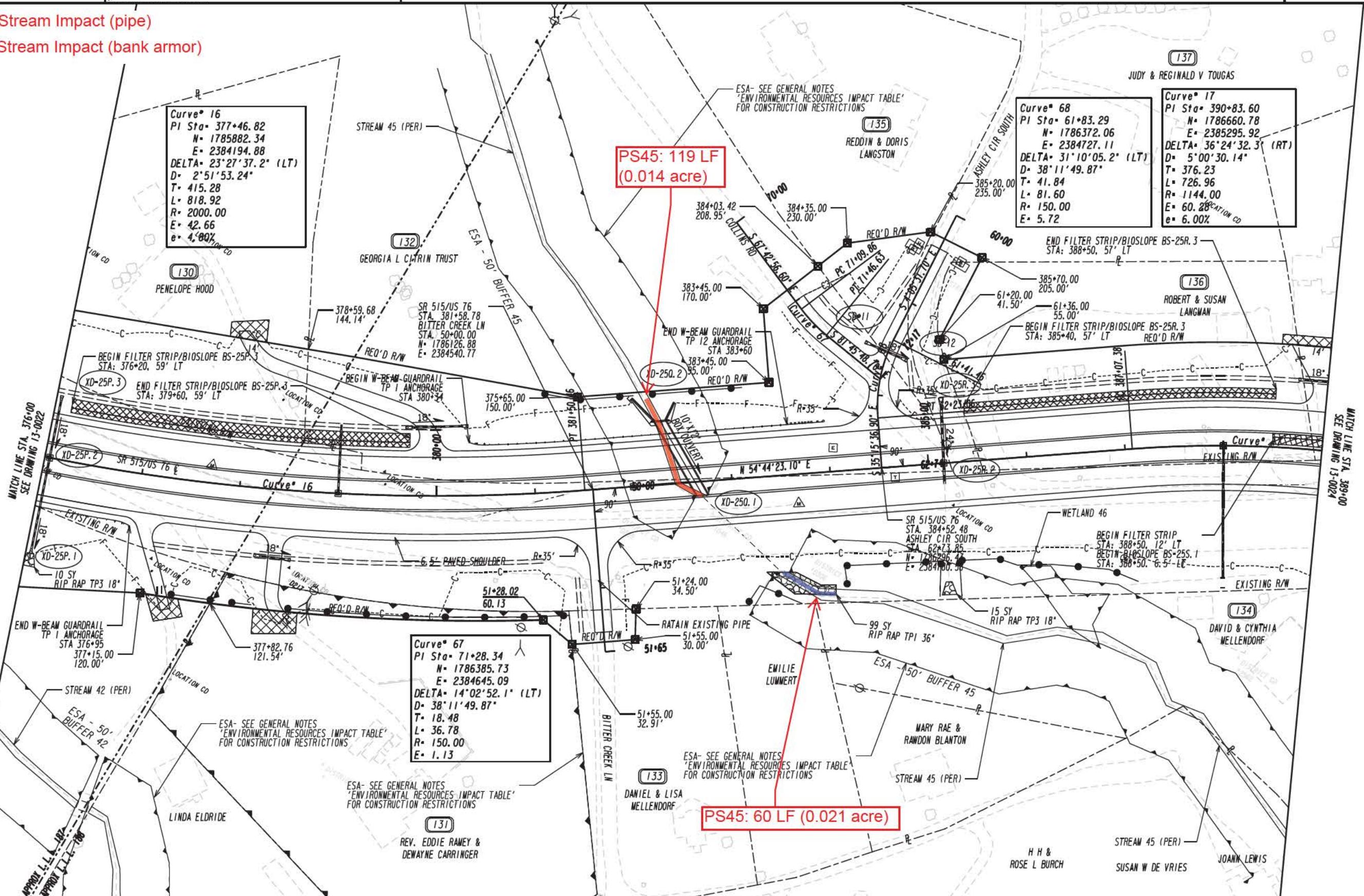
CONSTRUCTION PLAN

SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

CHECKED:	DATE:

13-0022

 = Stream Impact (pipe)
 = Stream Impact (bank armor)



**PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES**

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERAT TABLE)

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET

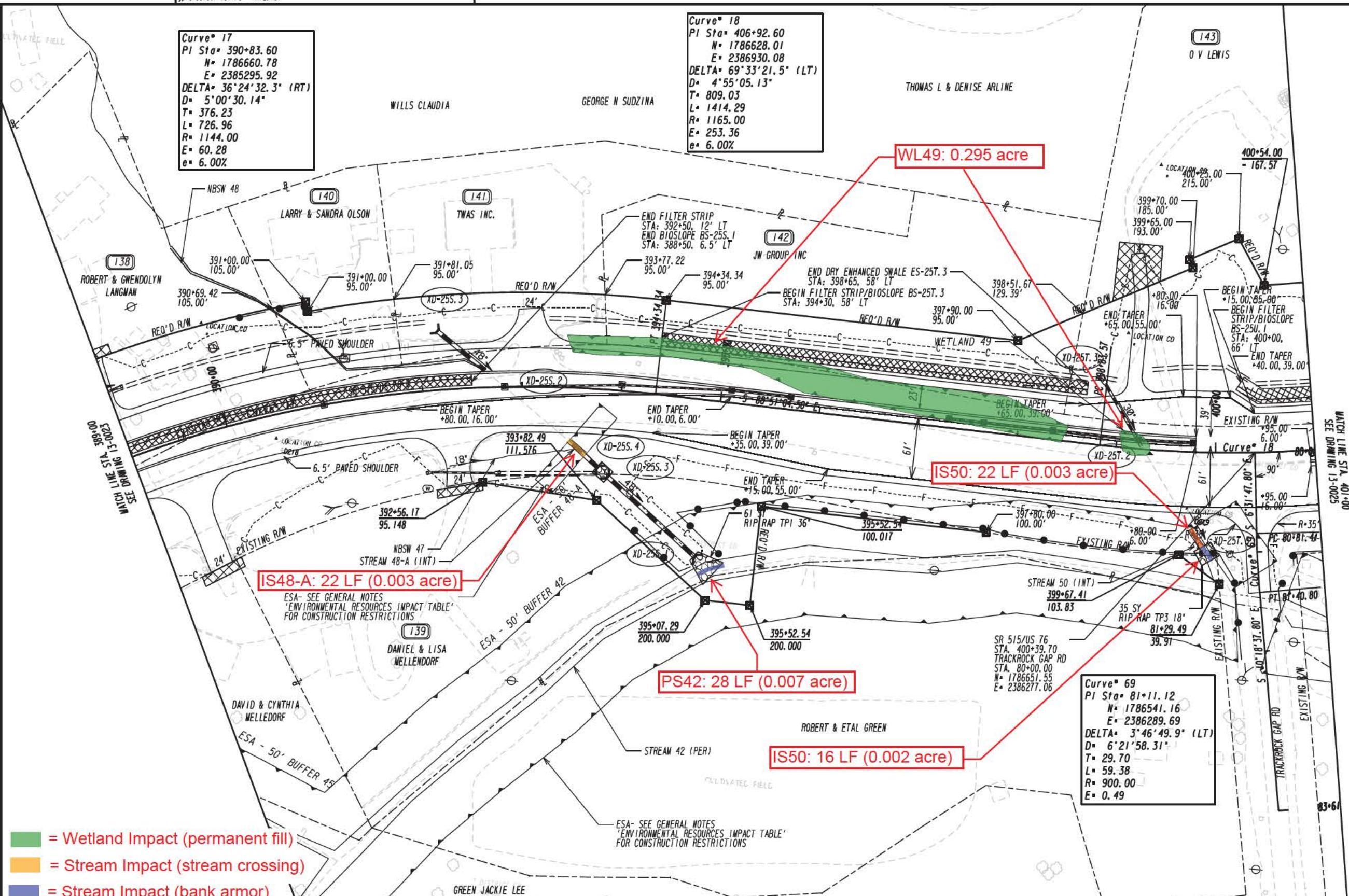


A horizontal scale bar with tick marks at 0, 50, 100, and 200. The word "SCALE IN FEET" is written above the bar.

REVISION DATES

CONSTRUCTION PLAN

SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

P

C F

Hatched
X-hatched
X-hatched

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERT TABLE)

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET
0 50 100 200

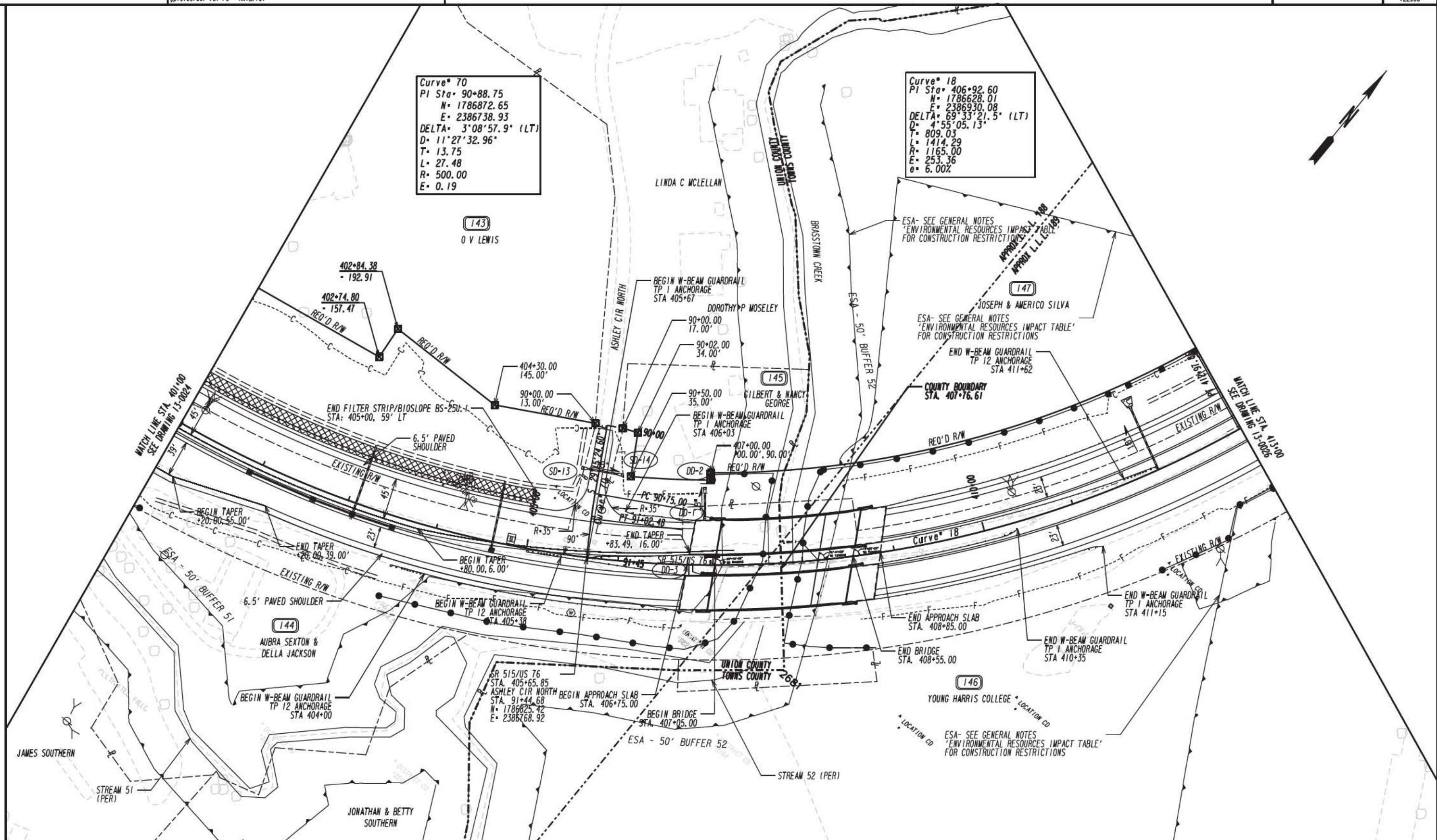
REVISION DATES

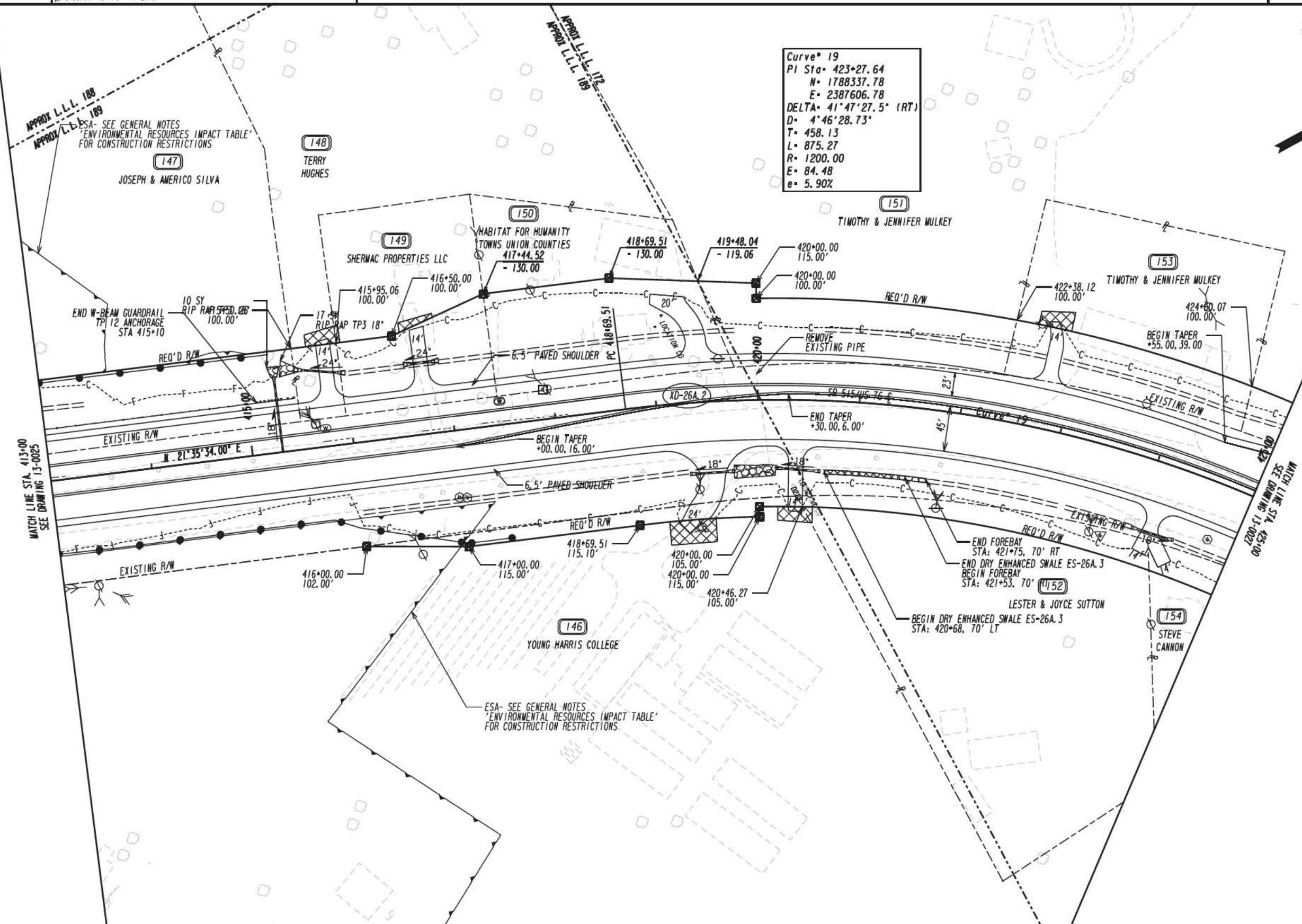
CONSTRUCTION PLAN

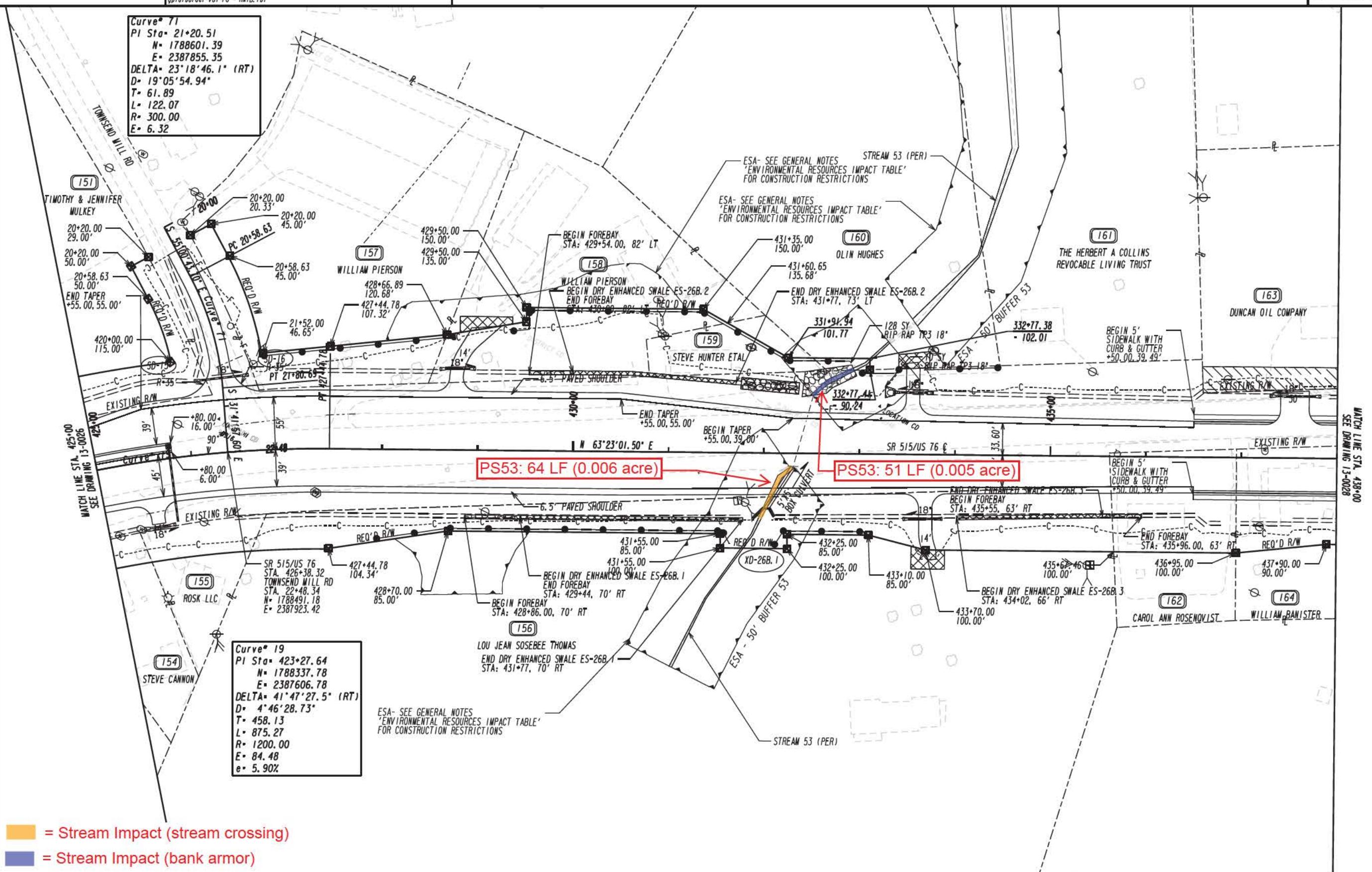
SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

CHECKED:	DATE:
BACKCHECKED:	DATE:
CORRECTED:	DATE:
VERIFIED:	DATE:

DRAWING No.
13-0024







**PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVE**

BEGIN LIMIT OF ACCESS.....
END LIMIT OF ACCESS.....
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
NOTE: TEST TEST TEST

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET

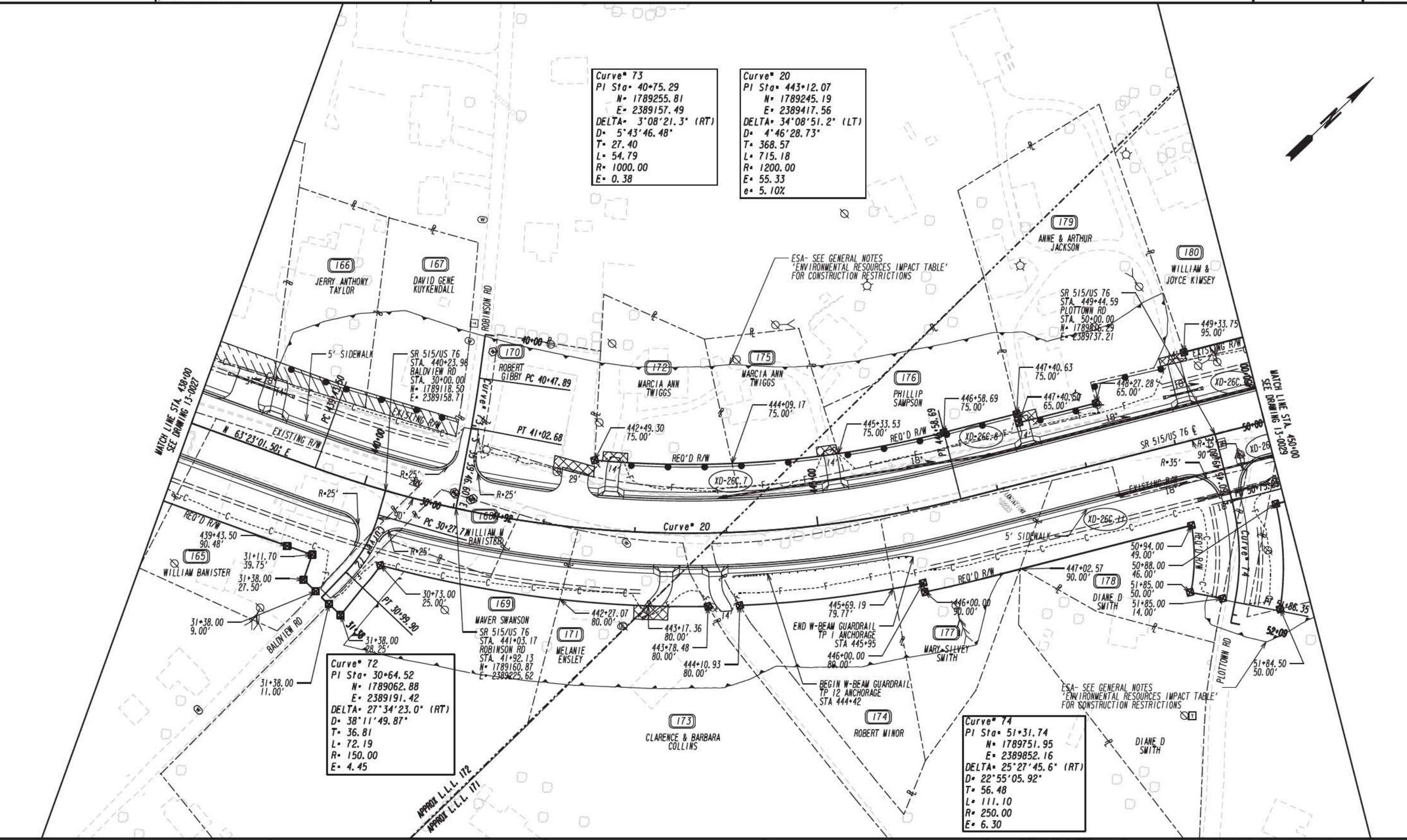


A horizontal scale bar with tick marks at 0, 50, 100, and 200. The word "SCALE IN FEET" is written above the bar.

CONSTRUCTION PLAN

**SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS**

DATE: DRAWING No.
ED: DATE: 13-0027
D: DATE:
I: DATE:



**PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES**

BEGIN LIMIT OF ACCESS.....
END LIMIT OF ACCESS.....
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE FRUIT TABLE)

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET

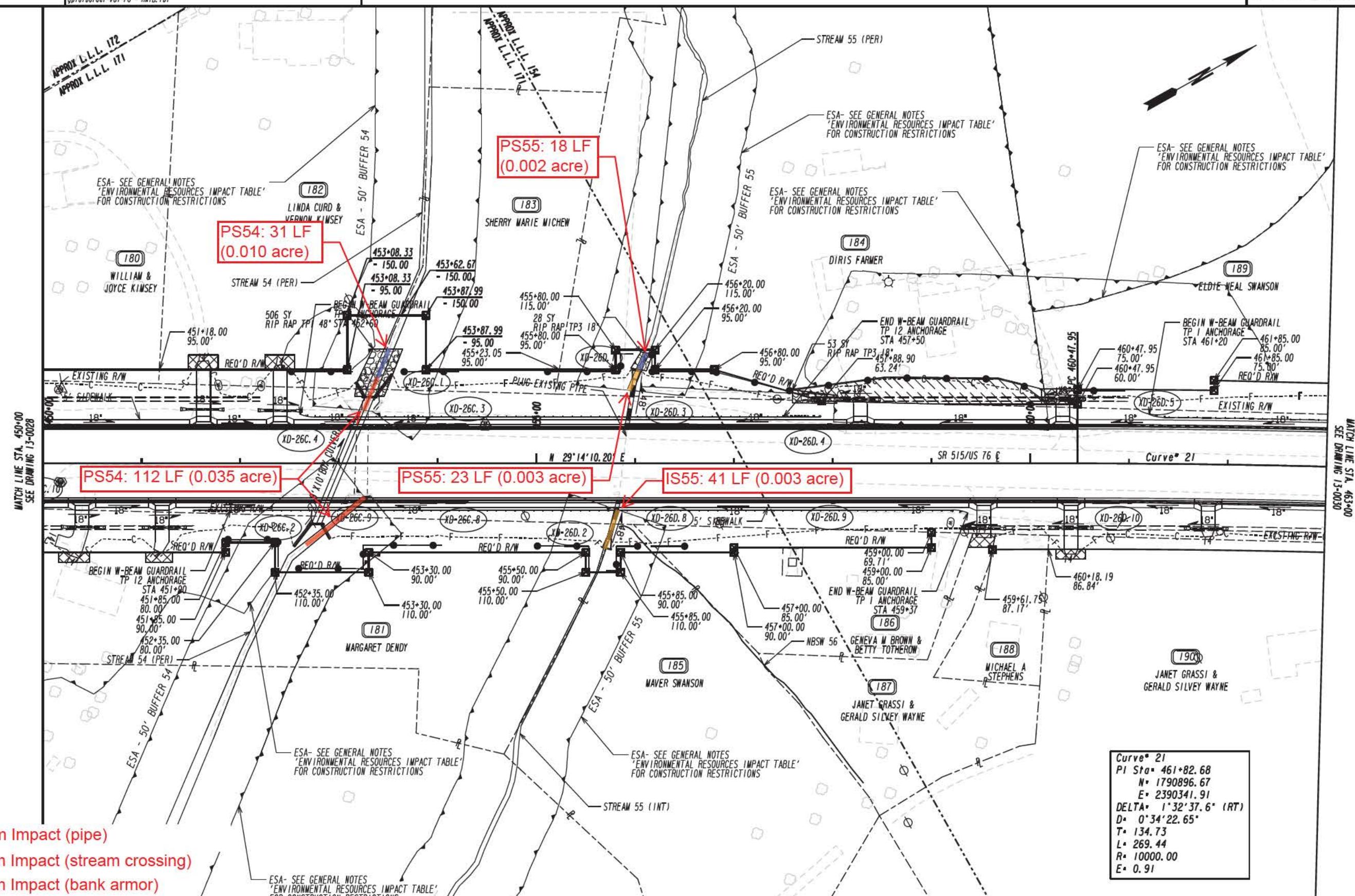
0 50 100 200

REVISION DATES

CONSTRUCTION PLAN

**SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS**

DATE : DRAWING No.
ED: DATE : 13-0028
D: DATE :
DATE :
DATE :



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

P-----
C-----F-----
Hatched area
Cross-hatched area
X-hatched area

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REO'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERT TABLE)

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

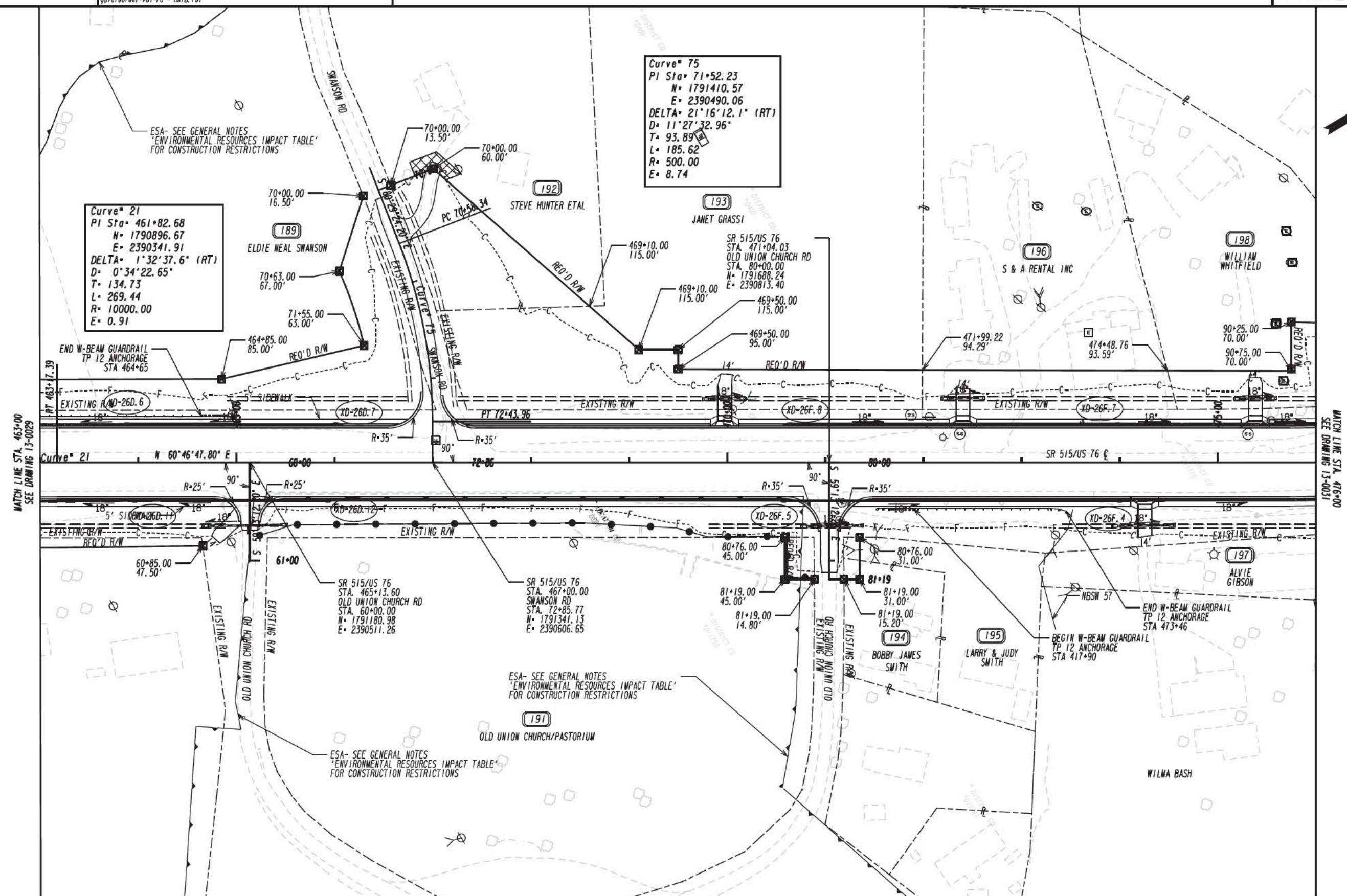
SCALE IN FEET
0 50 100 200

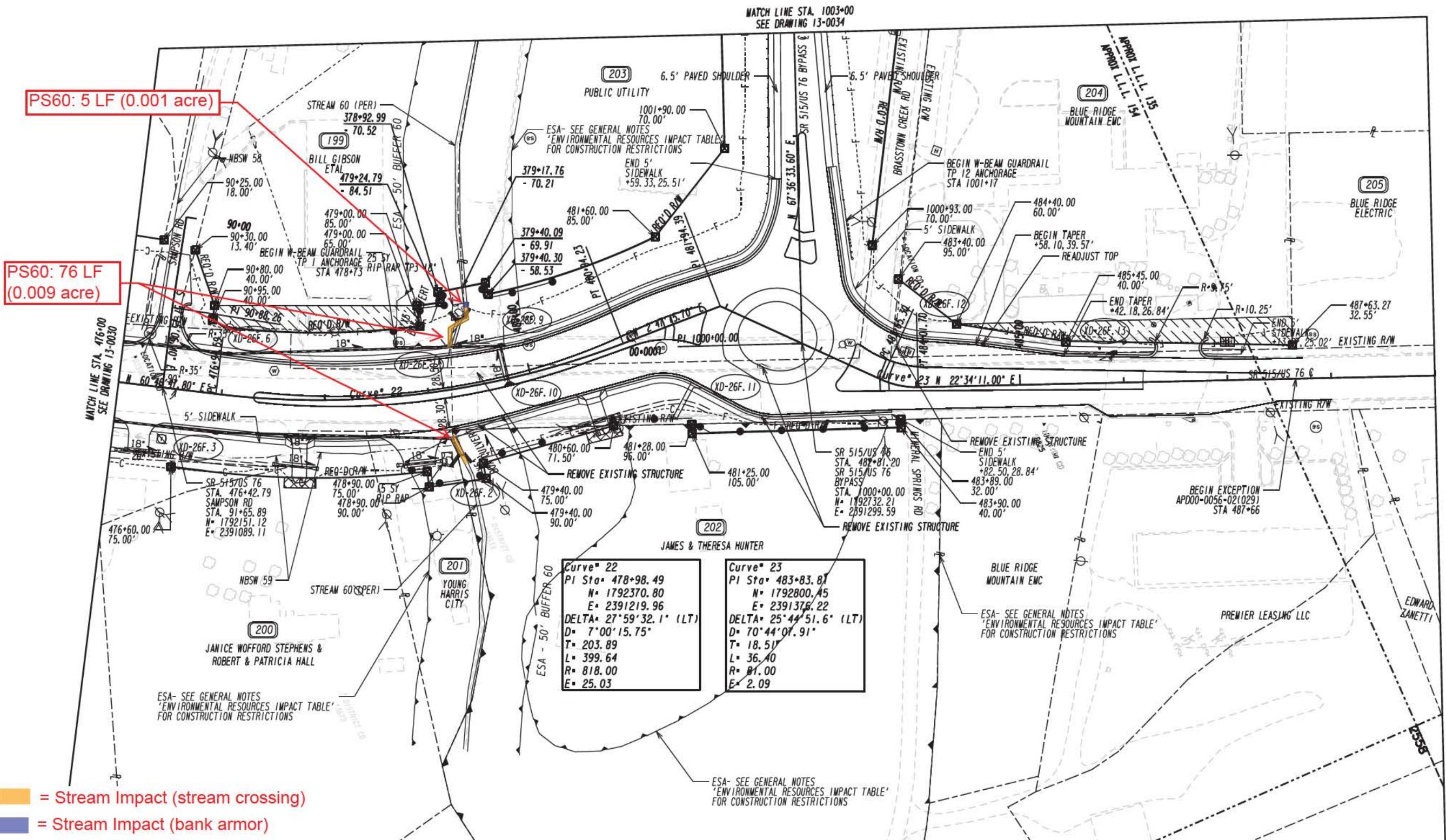
REVISION DATES	

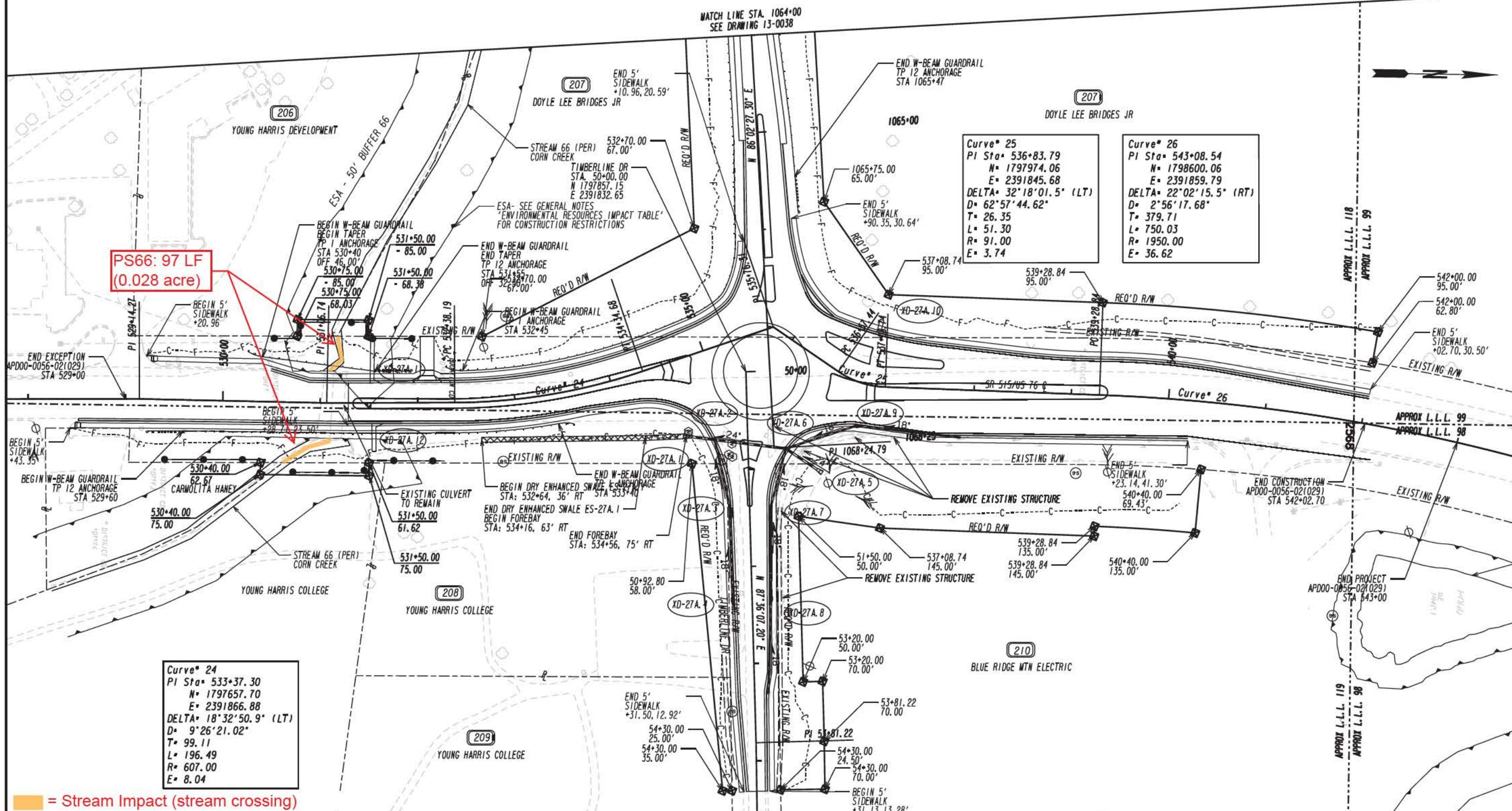
CONSTRUCTION PLAN
SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

CHECKED:	DATE:
BACKCHECKED:	DATE:
CORRECTED:	DATE:
VERIFIED:	DATE:

DRAWING NO.
13-0029

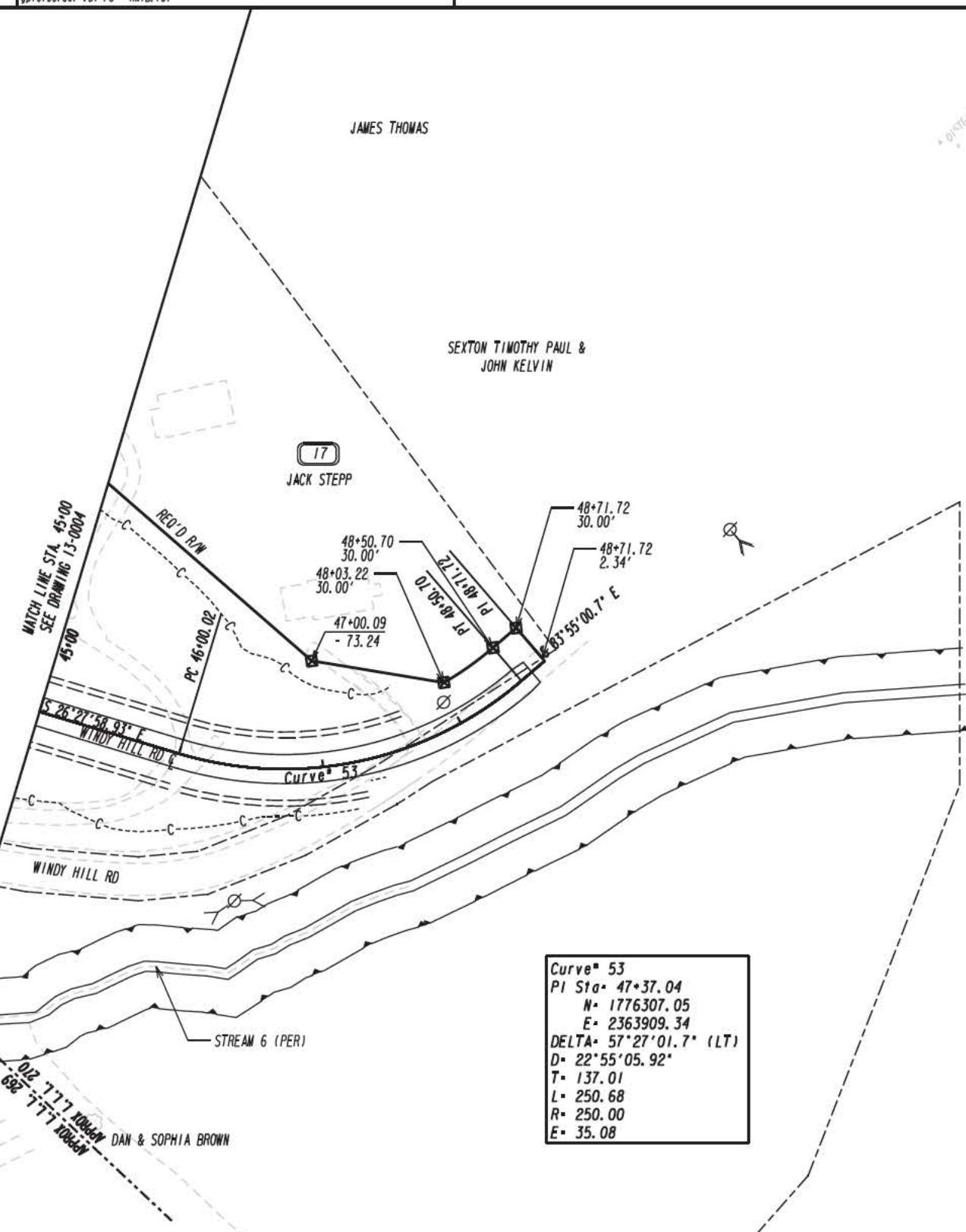




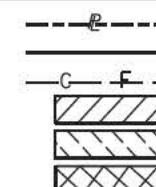


REVISION DATES	

CHECKED:	DATE:	DRAWING NO.



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REO'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERT TABLE)

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET
0 50 100 200

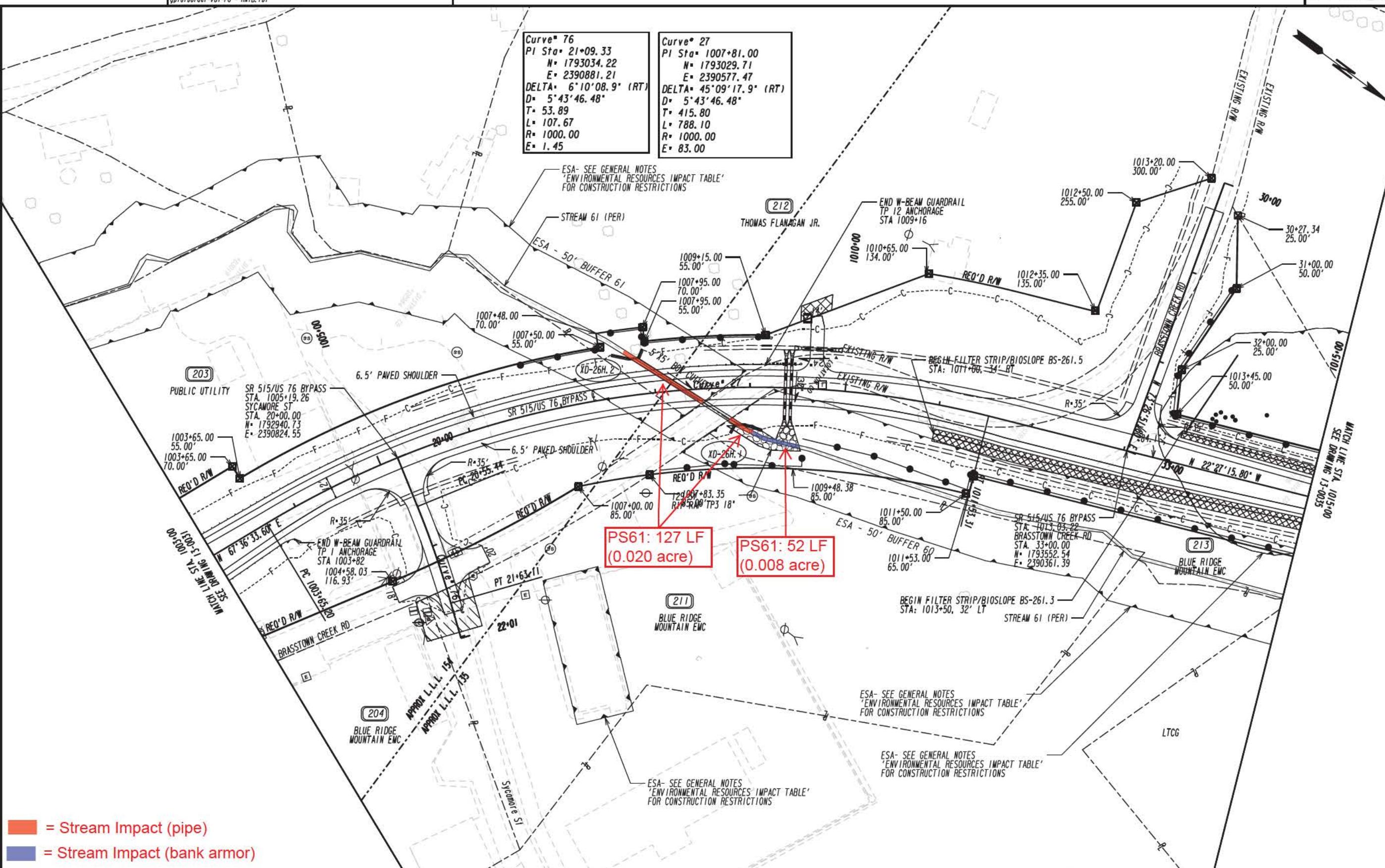
REVISION DATES

CONSTRUCTION PLAN

SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

CHECKED:	DATE:	DRAWING NO.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

13-0033



 = Stream Impact (pipe)
 = Stream Impact (bank armor)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

The diagram consists of several horizontal lines. At the top is a dashed line with the label 'P' at its right end. Below it is a solid line. Further down are three horizontal bars, each with a different hatching pattern: the first bar has diagonal lines sloping upwards from left to right, labeled 'C'; the second bar has horizontal lines, labeled 'F'; and the third bar has a cross-hatch pattern, labeled 'G'.

BEGIN LIMIT OF ACCESS.....
END LIMIT OF ACCESS.....
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

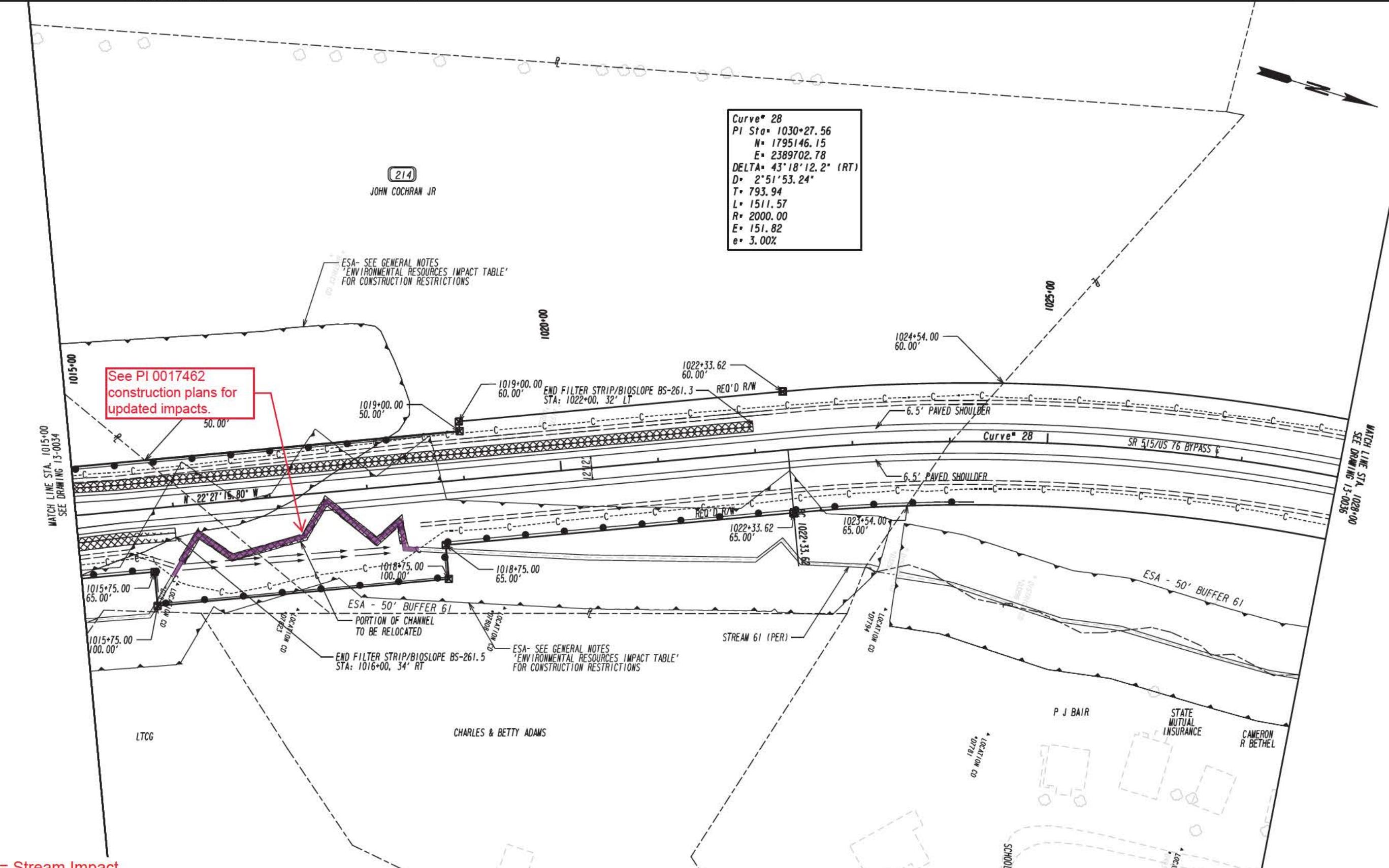
SCALE IN FEET



A horizontal scale bar with tick marks at 0, 50, 100, and 200. The word "SCALE IN FEET" is written above the bar.

CONSTRUCTION PLAN

**SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS**



= Stream Impact

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

A diagram consisting of several horizontal lines. At the top is a dashed horizontal line with the label 'P' written below it. Below it is a solid horizontal line with the label 'C' written below it. Below these are three parallel horizontal lines, each containing diagonal hatching, with the label 'F' written below them.

BEGIN LIMIT OF ACCESS.....B
END LIMIT OF ACCESS.....E
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE EDIT TABLE)

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET



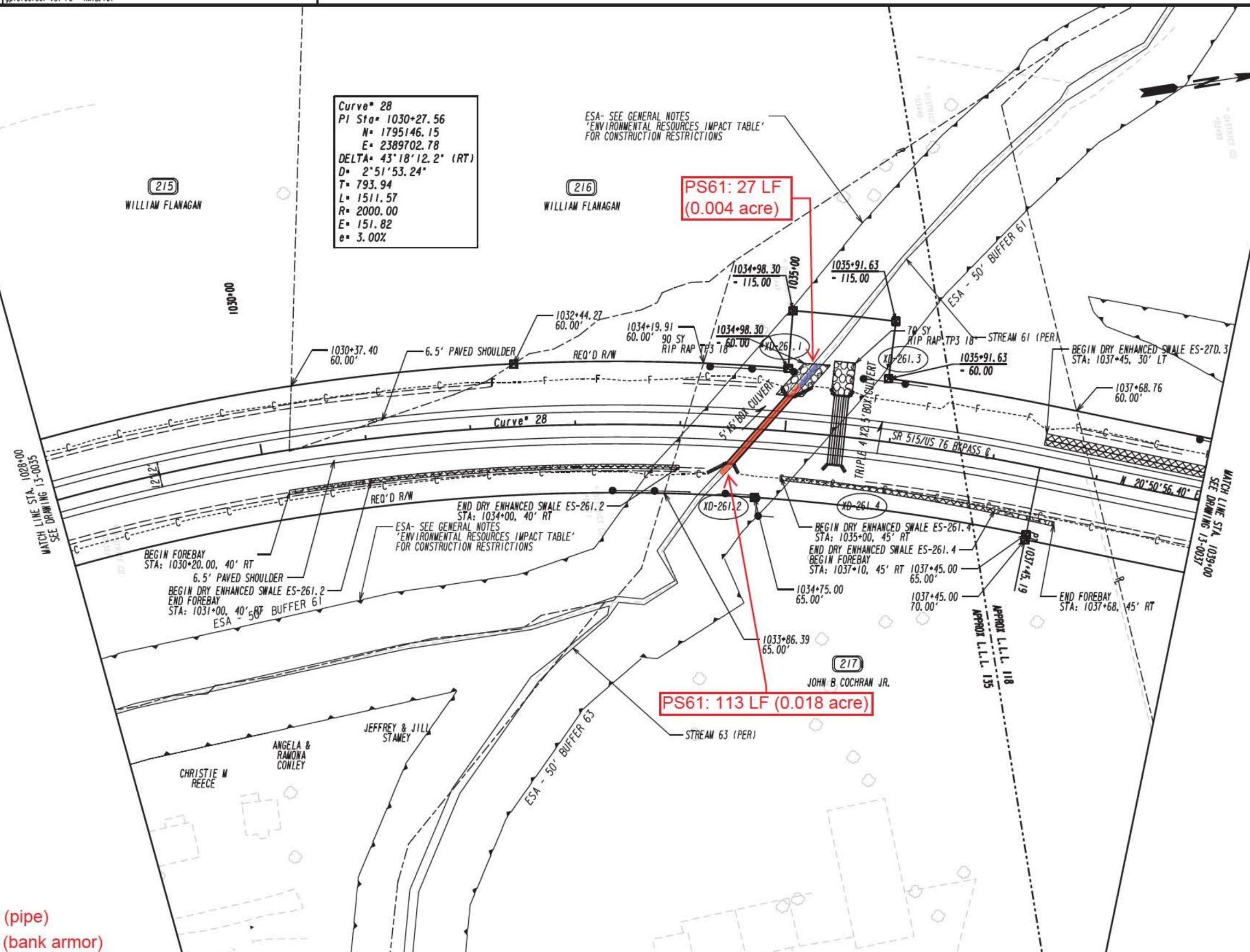
A horizontal scale bar with tick marks at 0, 50, 100, and 200. The word "SCALE IN FEET" is written above the bar.

REVISION DATES

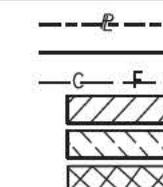
CONSTRUCTION PLAN

SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

DATE : DRAWING No.
DATE :
DATE : 13-0035
DATE :



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERT TABLE)

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

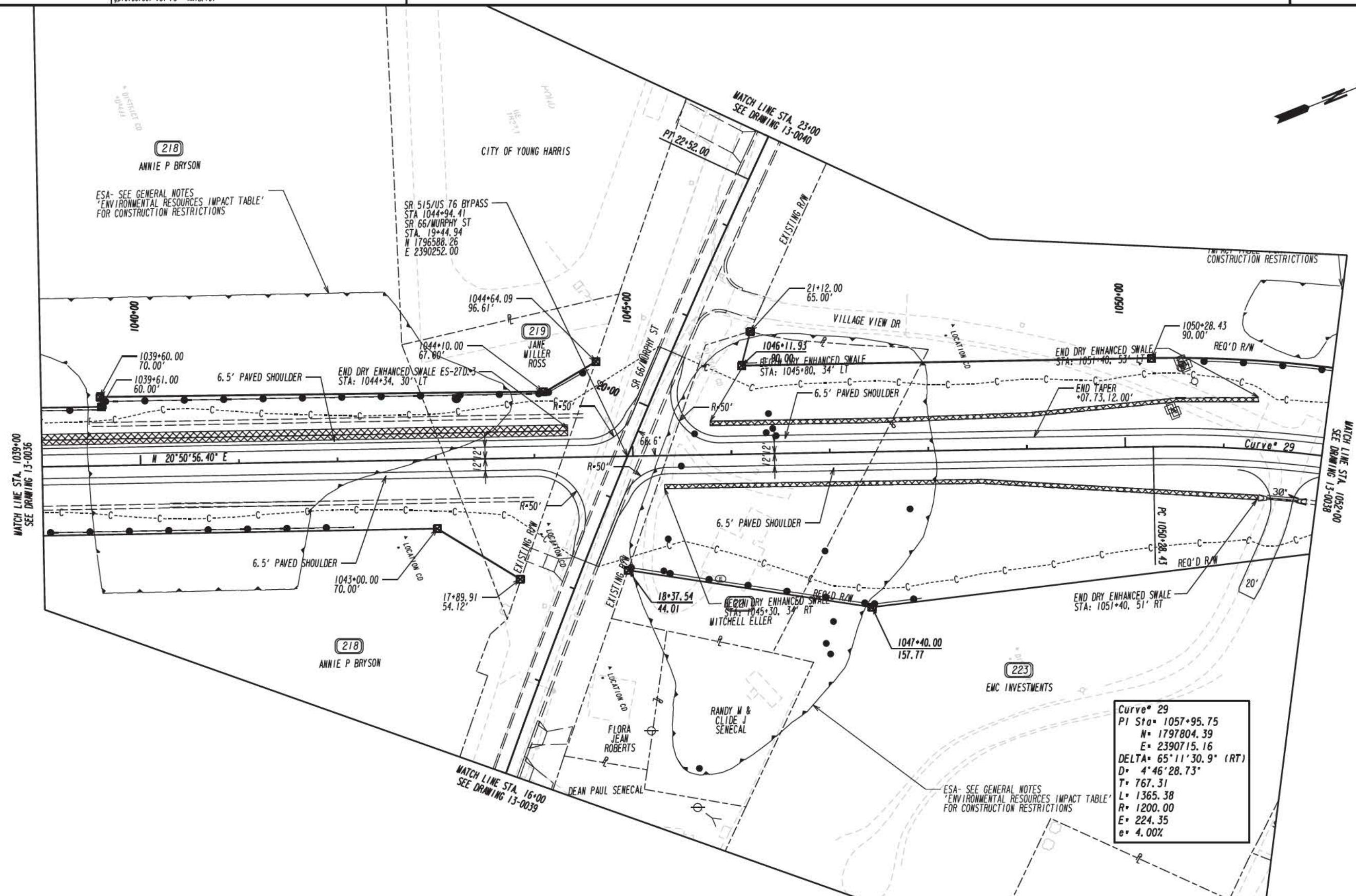
SCALE IN FEET
0 50 100 200

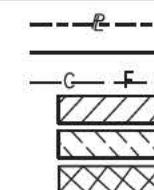
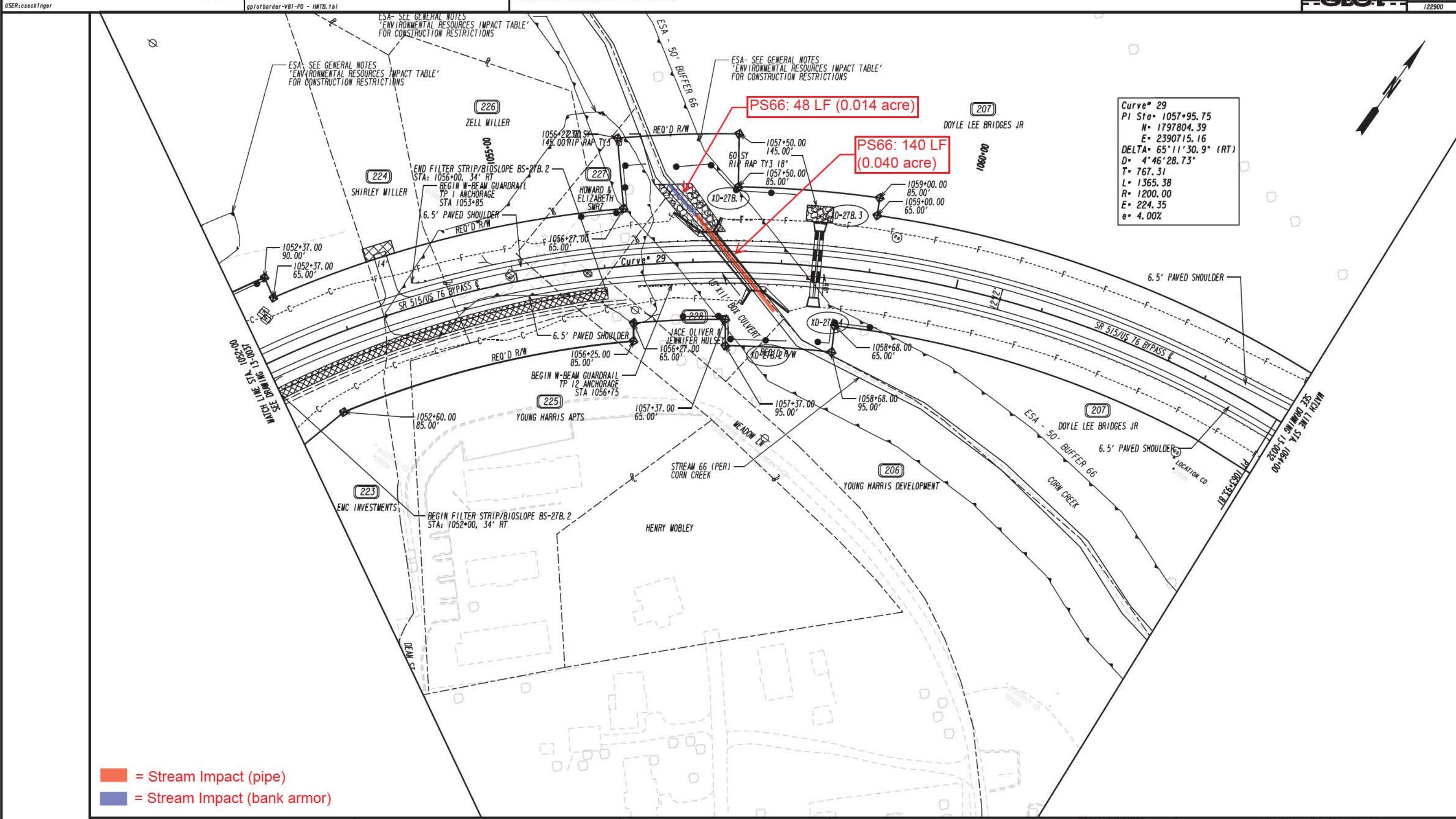
REVISION DATES	

CONSTRUCTION PLAN
SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

CHECKED:	DATE:	DRAWING NO.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

13-0036





BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERT TABLE)

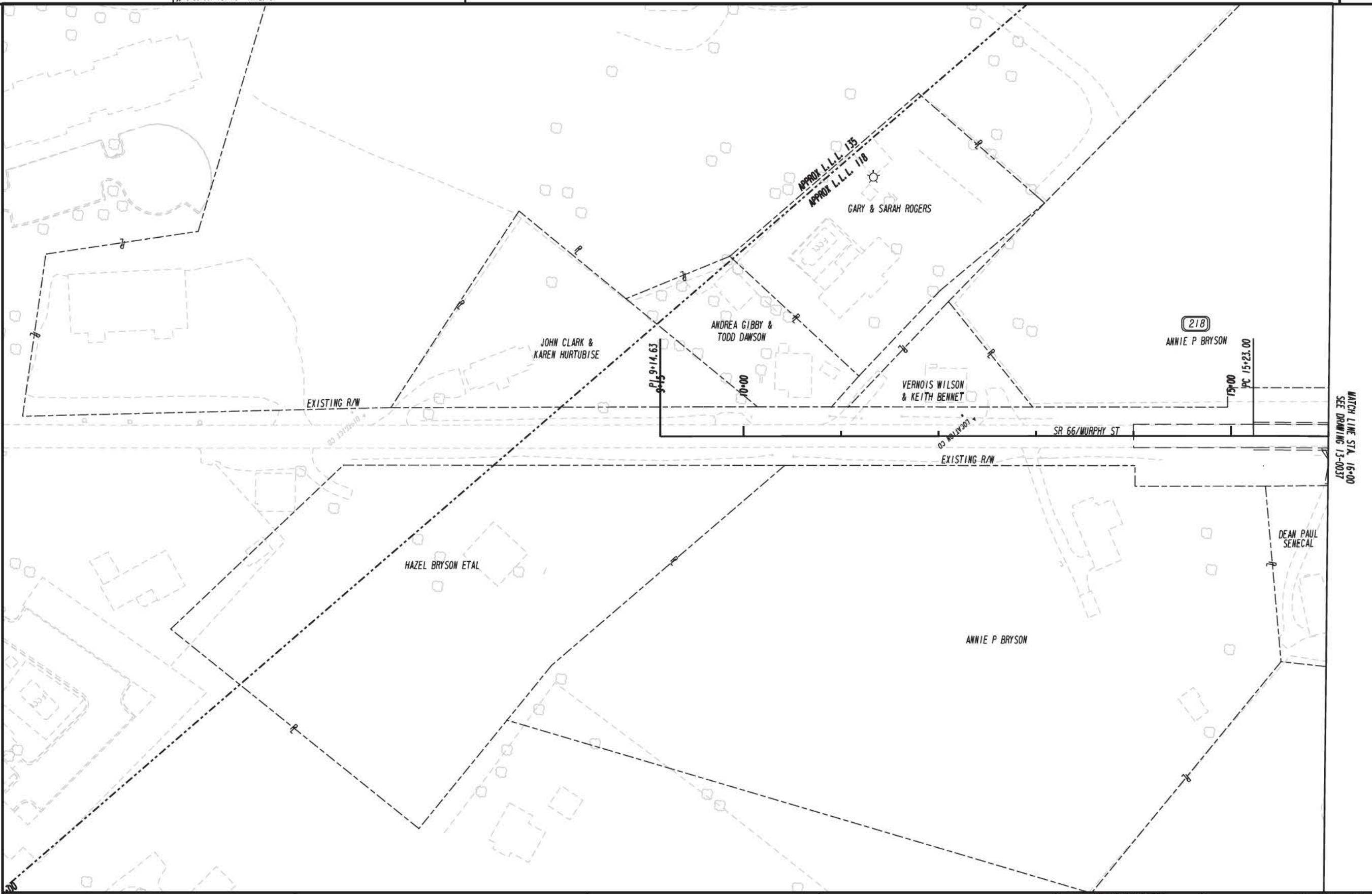
HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET
0 50 100 200

CHECKED:	DATE:
BACKCHECKED:	DATE:
CORRECTED:	DATE:
VERIFIED:	DATE:

DRAWING No.
13-0038



**MATCH LINE STA. 16°00
SEE DRAWING 13-0037**

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....
END LIMIT OF ACCESS.....
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE FRIT TABLE)

HNTE

191 PEACHTREE STREET, NE, SUITE 33
ATLANTA, GEORGIA 30303

SCALE IN FEET



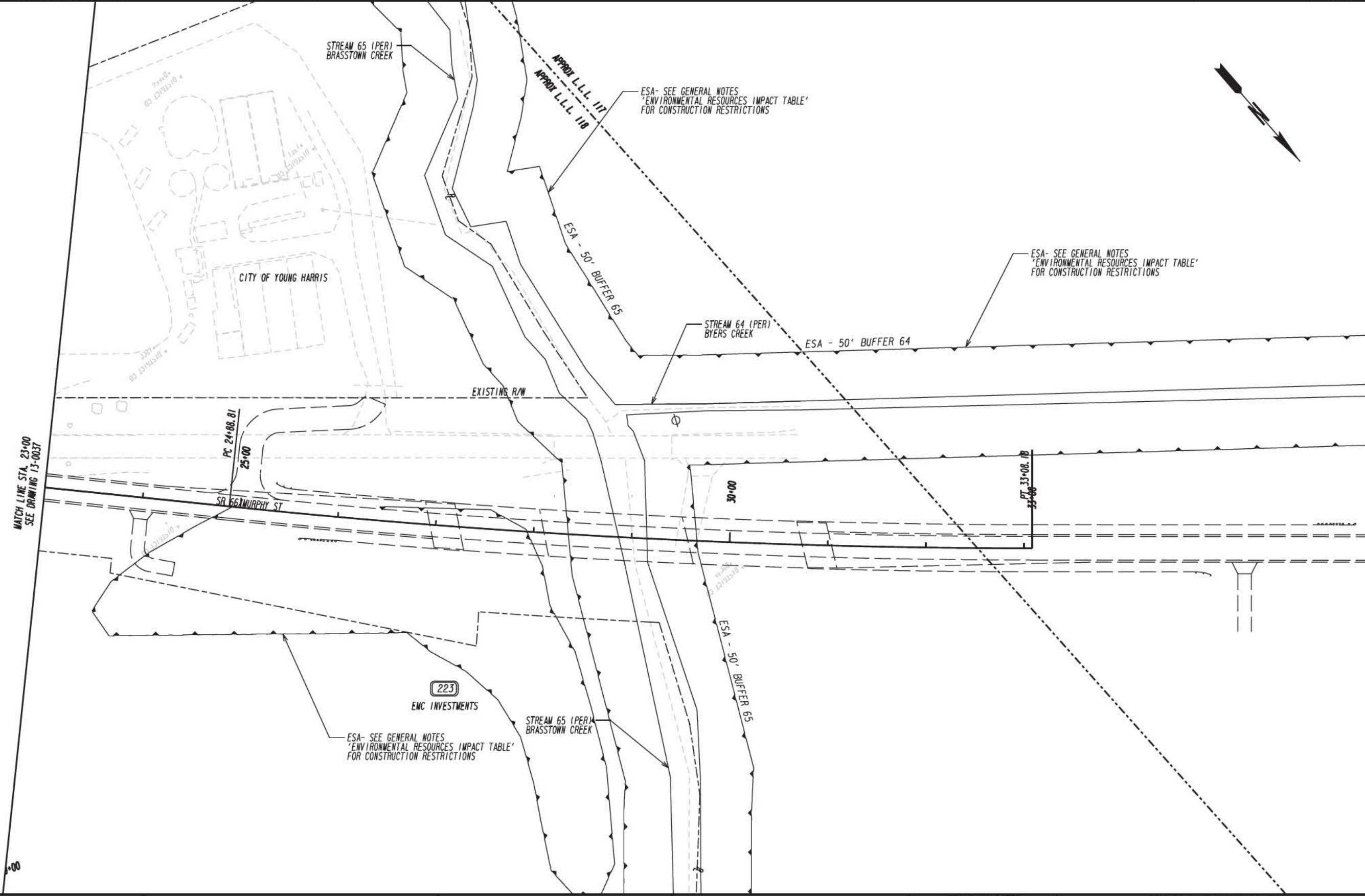
A horizontal scale bar with tick marks at 0, 50, 100, and 200. The word "SCALE IN FEET" is written above the 100 mark.

REVISION DATES

CONSTRUCTION PLAN

**SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS**

CHECKED:	DATE:	DRAWING NO.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	
		13-0039



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....B
END LIMIT OF ACCESS.....E
LIMIT OF ACCESS
REQ'D RAW & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE EDIT TABLE)

HNTB

191 PEACHTREE STREET, NE, SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET



A horizontal scale bar with tick marks at 0, 50, 100, and 200. The word "SCALE IN FEET" is written above the scale.

REVISION DATES

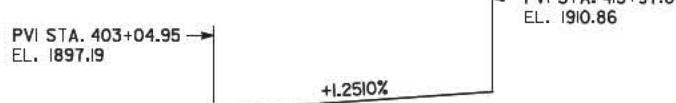
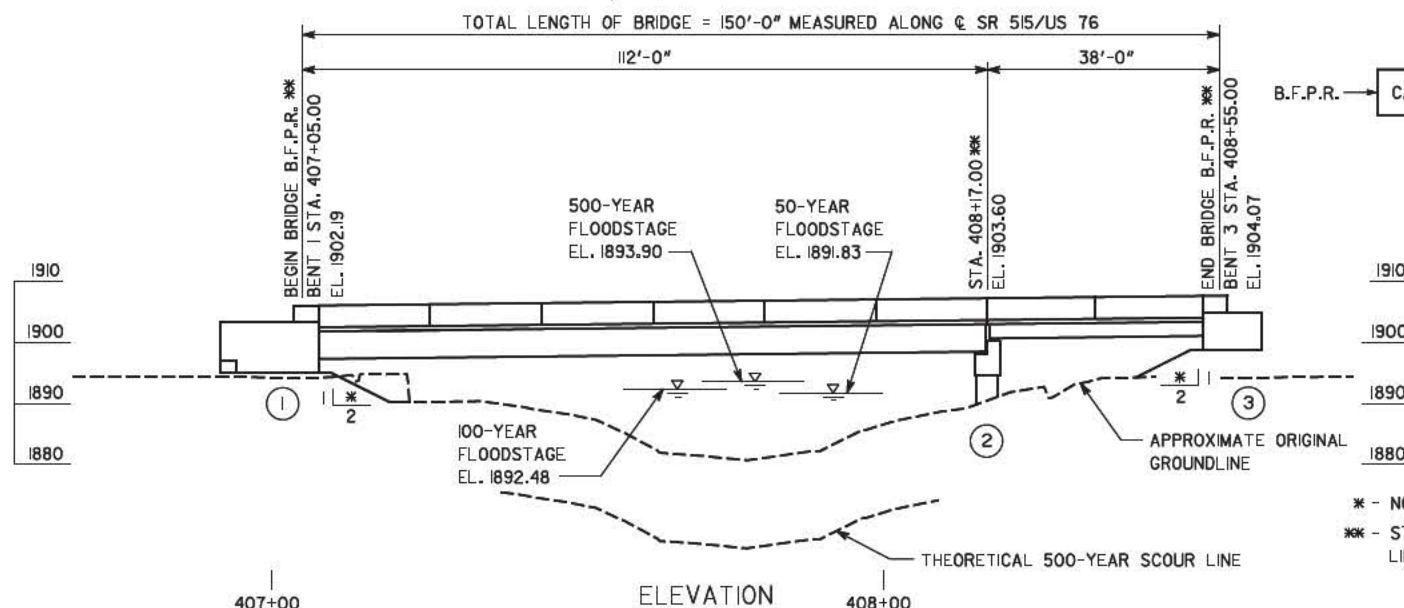
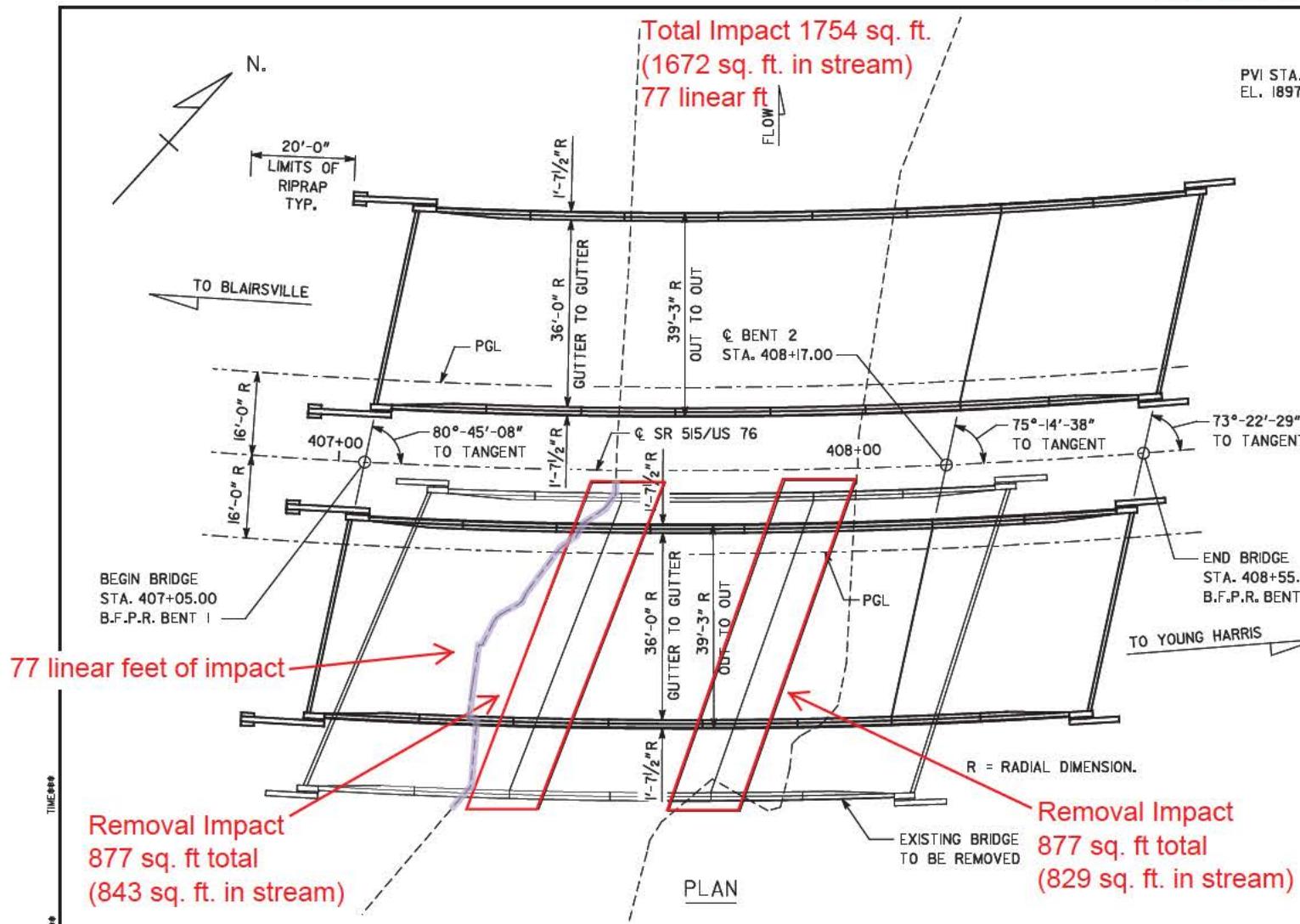
CONSTRUCTION PLAN

**SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS**

DATE:	DRAWING No.
CKED:	DATE:
ED:	DATE:
DO:	DATE:
13-0040	

PS 52/Brasstown Creek

P.J. NO.
I22900



PROPOSED GRADE DATA

CURVE 1B
P.J. STA. 406+92.60
N = I786628.01
E = 2386930.08
 Δ = 69°-33'-21.5" LT.
D = 4°-55'-5.13"
T = 809.03'
L = 1414.29'
R = 1165.00'
E = 253.36'
S.E. = 6.00%

HORIZONTAL CURVE DATA

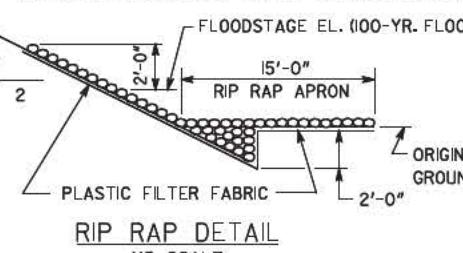
BENCHMARK DATA

TBM #D221 ----- GDOT (UNION COUNTY)
3/4 " IRON PIN SET +/- 0.4' BELOW SURFACE
WITH GDOT CAP.
STA. 406+70.01. 66.34' RT.
N 1786832.949 E 2386894.713
EL. 1898.05

EXISTING UTILITIES

4 TELEPHONE CONDUITS

PLACE RIP RAP AND FILTER FABRIC FROM 2 FT.
BELOW ORIGINAL GROUND TO 2 FT. ABOVE FLOODSTAGE
ELEVATION. EXTEND RIP RAP AND FILTER FABRIC 20 FT.
BEYOND END OF WINGWALLS UNLESS OTHERWISE NOTED.
WHERE BERM ELEVATION IS LOWER THAN 2 FT. ABOVE
FLOODSTAGE, EXTEND RIP RAP AND FILTER FABRIC ACROSS
BERM. REPAIR AND REPLACE EXISTING RIP RAP AS NEEDED.
EXTEND APRON ACROSS TOE OF EXISTING ENDROLL SLOPE.



* - NORMAL TO END BENTS.

** - STATIONS ARE ALONG C SR 515/US 76. ELEVATIONS ARE ALONG PROFILE GRADE
LINE AT THE INTERSECTION OF PROFILE GRADE LINE AND B.F.P.R.

NOTES:

1. END BENT PILES NOT SHOWN.
2. ALL PROPOSED BENTS ARE PARALLEL.
3. THE PROPOSED BRIDGE DECK IS TO BE BUILT
ON A CONSTANT CROSS SLOPE OF 6.0% SLOPING
DOWN TO THE LEFT.
4. THE MINIMUM BOTTOM OF BEAM ELEVATION FOR
THE PROPOSED BRIDGE SHALL BE NO LOWER THAN
ELEVATION 1893.83. THE APPROXIMATE PROPOSED
BOTTOM OF BEAM IS 1894.07.

I - 112'-0" BULB TEE, 63 IN, PSC BEAM SPAN -----	SPECIAL DESIGN
I - 38'-0" TYPE I MOD PSC BEAM SPAN -----	SPECIAL DESIGN
2 - PILE END BENTS -----	SPECIAL DESIGN
1 - CONCRETE INTERMEDIATE BENT -----	SPECIAL DESIGN
24" TYPE I RIPRAP	

DESIGN DATA

SPECIFICATIONS -----	AASHTO LRFD 7TH EDITION, 2014
DESIGN VEHICLE LIVE LOAD -----	HL-93
FUTURE PAVING ALLOWANCE -----	30 LBS. PER SQ. FT.

DRAINAGE DATA

DRAINAGE AREA -----	12.90 SQ. MILES
---------------------	-----------------

FLOOD FREQUENCY	DISCHARGE THRU BRIDGE	TOTAL DISCHARGE	MEAN VELOCITY	AREA OF OPENING BELOW FLOODSTAGE	BACKWATER
50-YEAR	6430 CFS	6430 CFS	8.53 FPS	754.19 SQ FT	0.47 FT
100-YEAR	8040 CFS	8040 CFS	9.74 FPS	825.86 SQ FT	0.99 FT
500-YEAR	12380 CFS	12380 CFS	10.53 FPS	1175.72 SQ FT	2.24 FT

TRAFFIC DATA

TRAFFIC -----	ADT = 19,100 (2018)
	ADT = 34,500 (2039)
DESIGN SPEED -----	55 MPH
TRUCKS -----	13 %
24 HR TRUCKS -----	14 %
DIRECTIONAL DIST -----	50 %

EXISTING BRIDGE SERIAL NO. 291-0007-0
EXISTING BRIDGE I.D. NO. 291-005150-015.59N
PROJECT P.I. NO. I22900
BRIDGE NO. I LT. & RT.

HNTB

3715 NORTHSIDE PARKWAY
200 NORTHCREEK, SUITE 800
ATLANTA, GEORGIA 30327

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

PRELIMINARY LAYOUT
SR 2 (SR 515 AND US 76)
OVER BRASSTOWN CREEK

UNION - TOWNS COUNTIES APD00-0056-02(029)

DRAWING NO.	DATE	REVISIONS	SCALE: NO SCALE		
			35-	001	BY
DRAWING NO. 35-001			BRIDGE SHEET OF		DESIGNED JMV/JL DRAWN CAG
					CHECKED JMV DRAWN CAG
					REVIEWED SKG/DLC APPROVED WMD

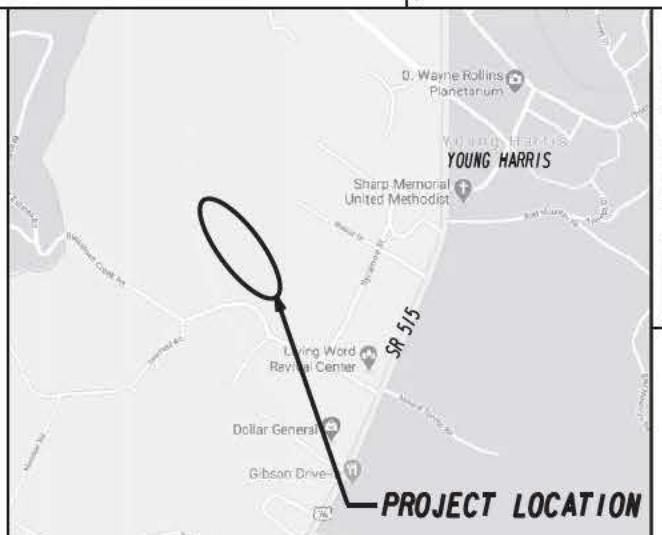
1 INCH WHEN PRINTED FULL SIZE

X.DGN

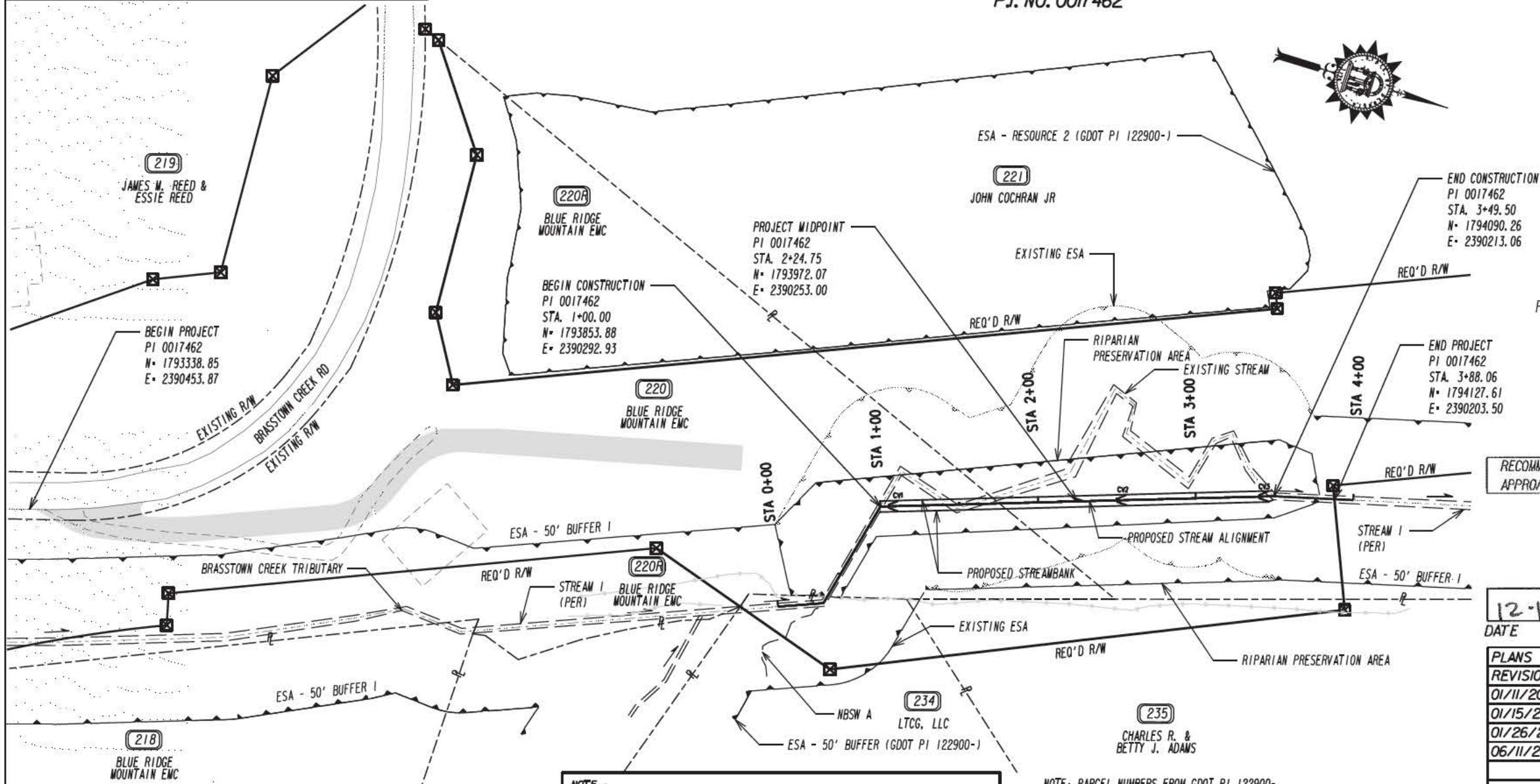
DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

PLAN AND PROFILE OF PROPOSED SR 515 / SR 2 / US 76 TROUT STREAM RESTORATION STATE FUNDED PROJECT TOWNS COUNTY (281)



LOCATION SKETCH (N.T.S.)



THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANY WAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

FUNCTIONAL CLASS: N/A

THIS PROJECT IS 100% IN TOWNS COUNTY

THIS PROJECT IS 100% IN CONG.DIST.NO.9.

PROJECT DESIGNATION: EXEMPT

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983/94 WEST ZONE) AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

LENGTH OF PROJECT	COUNTY No. 281(TOWNS)
MILES	
NET LENGTH OF ROADWAY	N/A
NET LENGTH OF BRIDGES	N/A
NET LENGTH OF PROJECT	0.047
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.047



191 PEACHTREE ST NE
SUITE 3300
ATLANTA, GEORGIA 30303

HNTB

PLANS COMPLETED	12-11-2020
REVISIONS	
01/11/2021	
01/15/2021	
01/26/2021	
06/11/2021	

DRAWING NO.
01-0001

CONSTRUCTION SEQUENCE OF EVENTS

INITIAL BMP INSTALLATION

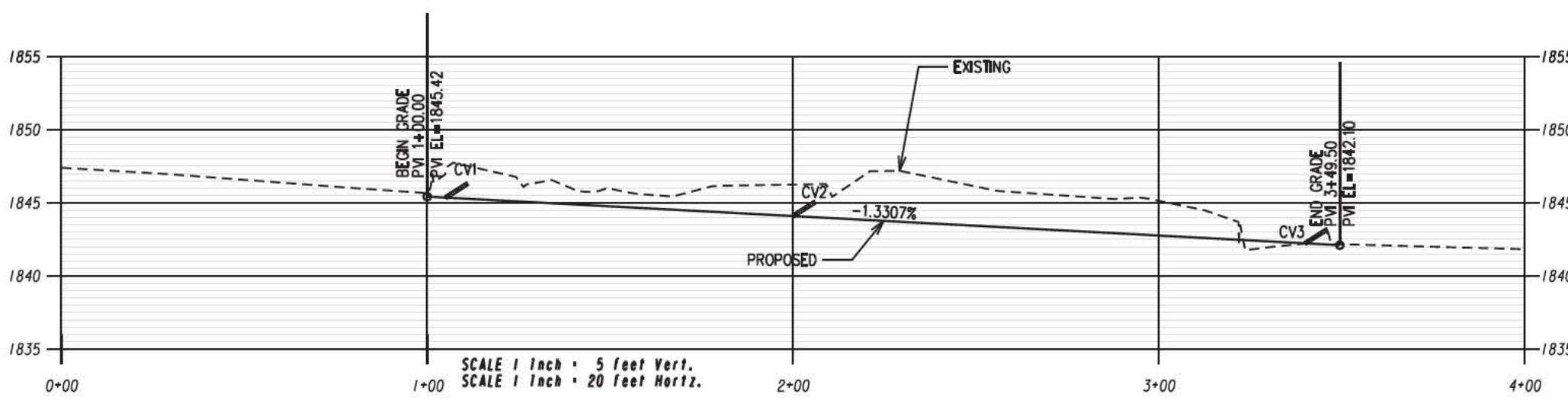
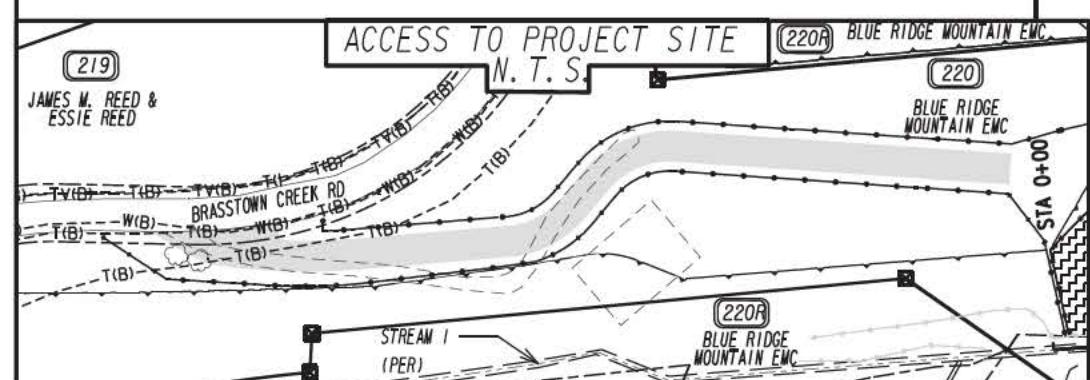
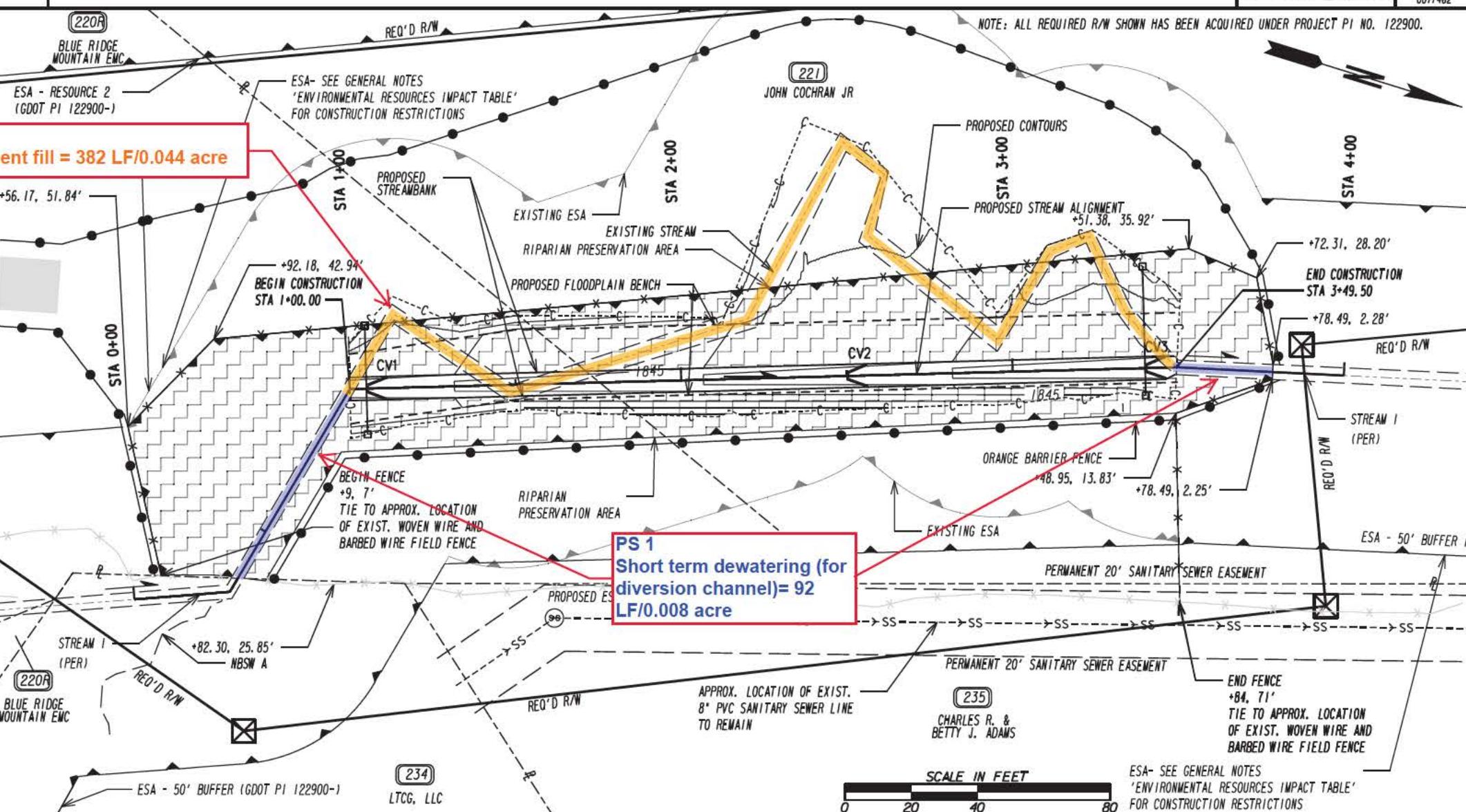
1. PRIOR TO CLEARING AND GRUBBING ACTIVITIES, INSTALL CONSTRUCTION EXIT, PERIMETER CONTROLS AND INITIAL BMP'S INCLUDING SEDIMENT BARRIER AND ORANGE BARRIER FENCE AT THE WEST SIDE OF THE STREAM.
 2. INSTALL TEMPORARY STREAM DIVERSION CHANNEL, FLOW BARRIERS AND SILT FENCE.
 3. SHIFT FLOW BARRIERS TO EXISTING STREAM AND REMOVE SUBSTRATE FOR USE IN PROPOSED STREAM.
 4. INSTALL PERIMETER CONTROLS AND INITIAL BMP'S INCLUDING SEDIMENT BARRIER AND ORANGE BARRIER FENCE AT THE EAST SIDE OF THE STREAM.
 5. APPLY TEMPORARY GRASSING, MULCH AND EROSION CONTROL MATS AS NECESSARY TO THE DISTUBED AREA.

INTERMEDIATE BMP INSTALLATION AND STREAM RELOCATION

1. CONSTRUCT THE PROPOSED STREAM.
 2. APPLY TEMPORARY GRASSING, MULCH, AND EROSION CONTROL MATS AS NECESSARY TO DISTURBED AREA.
 3. MAINTAIN PREVIOUSLY INSTALLED BMP'S.

FINAL BMP INSTALLATION AND SITE STABILIZATION

1. INSTALL SLOPE STABILIZATION ON PROPOSED STREAMBANK AND IN THE OVERBANK, INSTALL SUBSTRATES, CROSS VANES.
 2. SHIFT THE FLOW BARRIERS FROM PROPOSED CHANNEL TO THE TEMPORARY STREAM DIVERSION CHANNEL.
 3. REMOVE GEOTEXTILE FABRIC, FILL TEMPORARY STREAM DIVERSION CHANNEL AND REMOVE STREAM CROSSING.
 4. INSTALL PERMANENT GRASSING.
 5. INSTALL STREAMBANK STABILIZATION ACCORDING TO SECTION 29 LANDSCAPE PLANS.
 6. INSTALL CATTLE FENCE.
 7. REMOVE ALL REMAINING SEDIMENT BARRIER, ORANGE BARRIER FENCE, CONSTRUCTION EXIT AND ANY OTHER EROSION CONTROL BMP'S NOT FOR FINAL STABILIZATION.



*EXISTING STREAM CENTERLINE
EXISTING STREAMBANK
PROPOSED STREAMBANK
PROPOSED LIMIT OF
FLOODPLAIN BENCH*

- RIPARIAN PRESERVATION AREA
- EXIST. UNDERGROUND CABLE TV (OL-B)
- EXIST. UNDERGROUND TELECOMMUNICATIONS (
- EXIST. UNDERGROUND WATER (OL-B)
- EXIST. UNDERGROUND SANITARY SEWER LINE

[Diagram showing symbols for property boundary, existing road, required road line, proposed fence, orange barrier fence, and construction limits] **PROPERTY AND EXISTING R/W LINE**
 - - - - - **TV(B) - REQUIRED R/W LINE**
 - - - - - **T(B) - PROPOSED FENCE**
 - - - - - **W(B) - ORANGE BARRIER FENCE**
 - - - - - **SS - CONSTRUCTION LIMITS**

REQ'D RAW CROSS VANE
* STRUCTURE
C - - - F CROSS SECTION
ESEA BOUNDARY

1

REVISION DATES

HNTB

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

MITIGATION PLANS

SR 515/2/US 76
TROUT STREAM RESTORATION

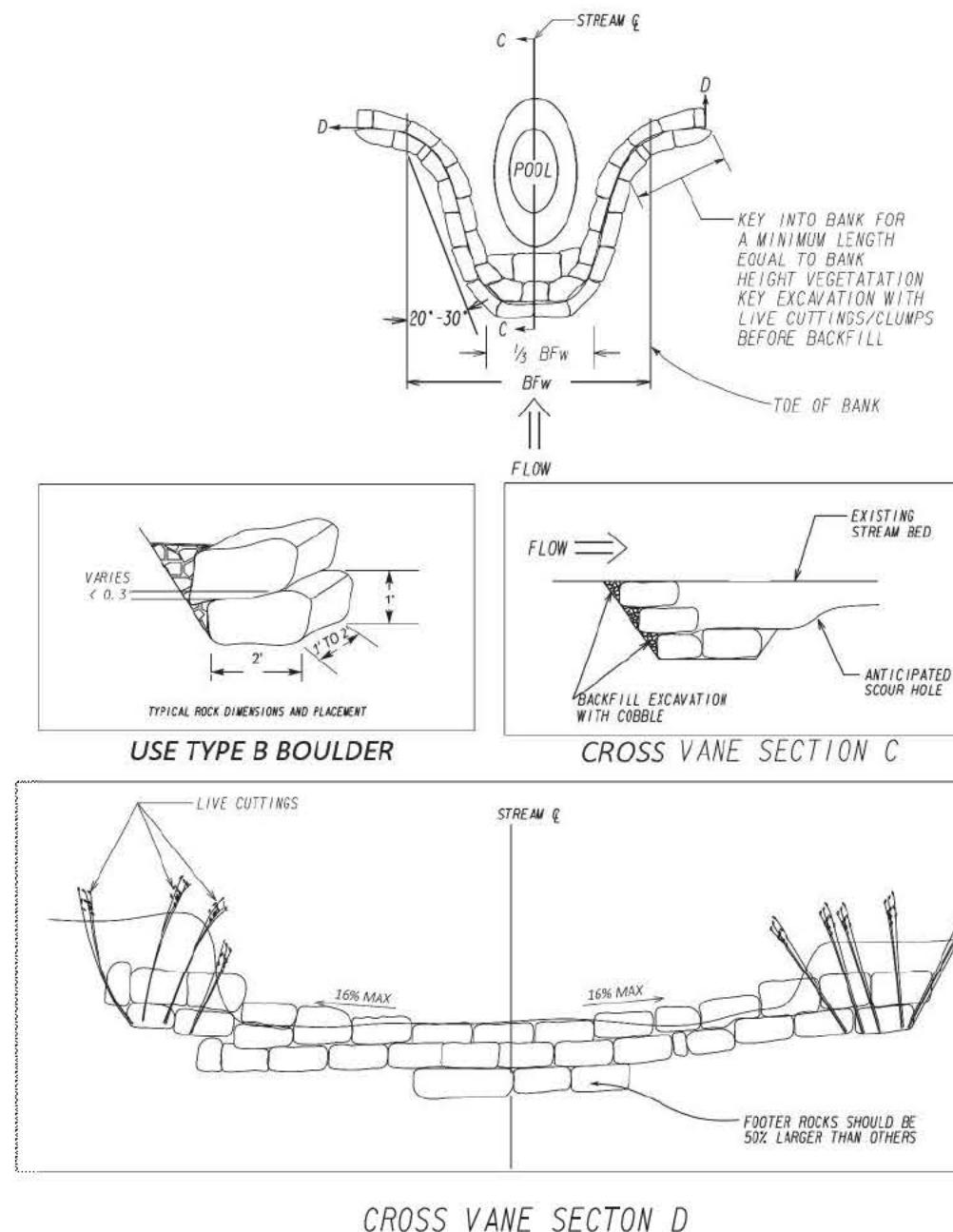
RECEIVED BY THE STATION

CKED:	DATE:	DRAWING No.
CKCHECKED:	DATE:	
RECTED:	DATE:	

30-0001

DETAIL AND TYPICAL SECTION SHEET

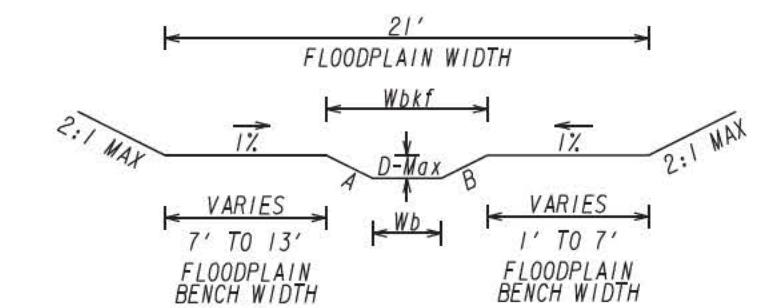
CROSS VANE PLAN



STRUCTURES TABLE

STRUCTURE ID	HEAD STATION
CV1	1+05.00
CV2	2+00.00
CV3	3+40.00

TYPICAL SECTIONS



BANKFUL WIDTH (Wbf) (FT)	7
AVERAGE DEPTH (FT)	0.7
MAX. DEPTH (D-max) (FT)	1.0
WIDTH TO DEPTH RATIO	9.8
BANKFULL AREA (SQFT)	5
FLOODPLAIN WIDTH (FT)	21
SLOPE A	2:1
SLOPE B	2:1
BOTTOM WIDTH (Wb) (FT)	3

REVISION DATES	
6-11-21	

HNTB

 191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

MITIGATION PLANS

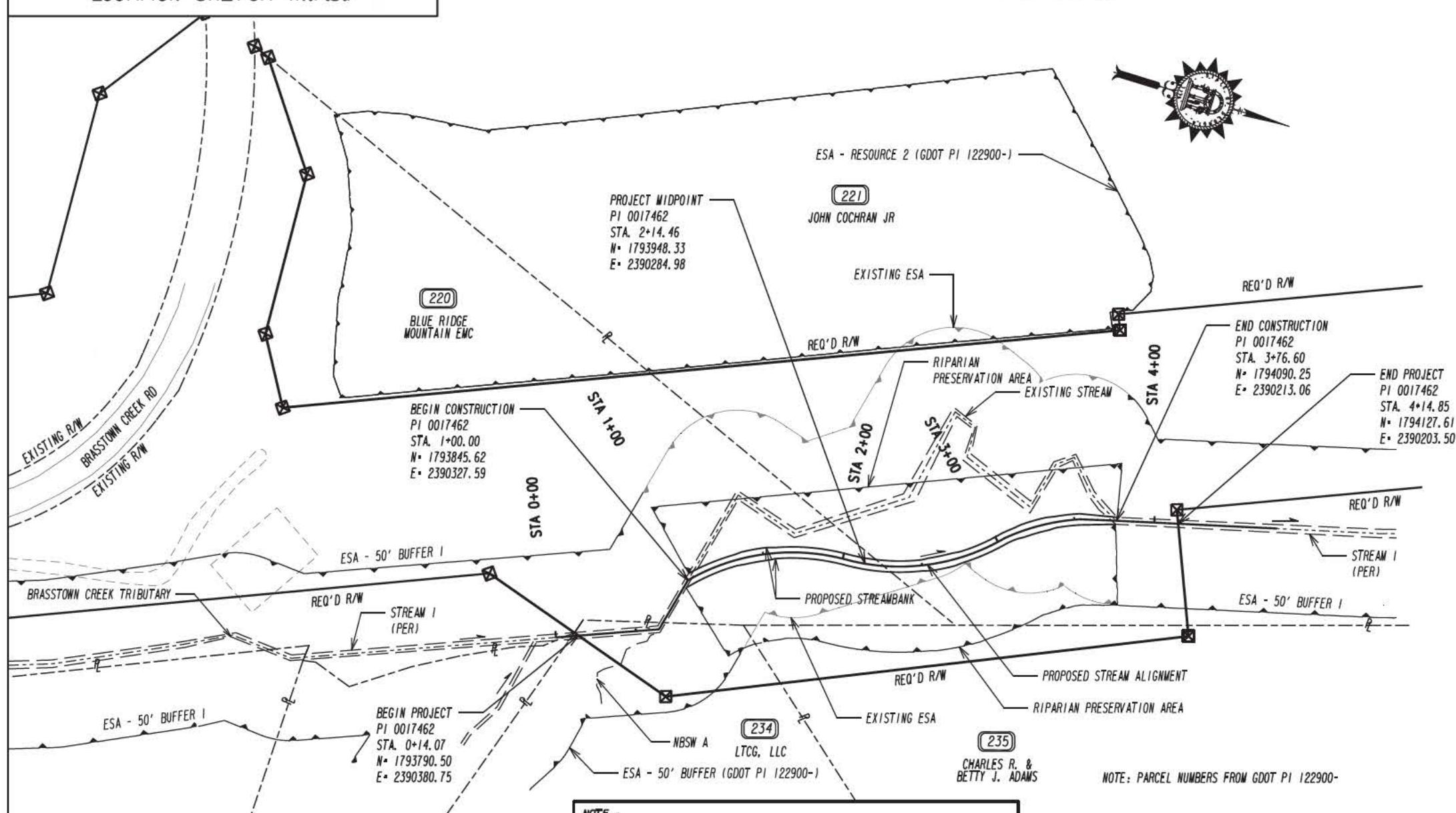
SR 515/2/US 76
TROUT STREAM RESTORATION

CHECKED:	DATE:	DRAWING NO.

30-0002



LOCATION SKETCH (N.T.S.)



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NOTE :
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DRAWING NO.

01-0001