



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, SAVANNAH DISTRICT
4751 BEST ROAD, SUITE 140
COLLEGE PARK, GEORGIA 30337

July 14, 2022

Regulatory Division
SAS-2015-00253
GDOT P.I. No. 122900

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. No. 122900

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 modify the individual permit authorized on May 17, 2022. The project would 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 Young 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 is 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: An individual permit issued on May 17, 2022, authorized impacts to 4,231 linear feet (0.684 acre) of streams and 0.73 acre of wetland. The project was separated into two phases due to construction schedules (PI No. 122900 and 0017462). Due to changing environmental conditions and refinement of the construction plans to the PI No. 122900

phase of the project, additional aquatic resources would be impacted. With this modification, GDOT proposed to impact a total of 5,119 linear feet of streams and 3.42 acres of wetlands. This is an increase of 888 linear feet of stream and 2.69 acres of wetlands. There are no changes proposed for the PI No. 0017462 phase. The modification would require additional compensatory mitigation of 389 (2018) stream credits and 13.04 (legacy) wetland credits. 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 any stream or wetland credits for the project. Further, the proposed project is not located within the secondary service area of any other banks. Therefore, the applicant would purchase the required credits 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 were combined under the Corps project number SAS-2015-00253 as a single and complete project. A public notice was published July 13, 2021. The individual permit was issued on May 17, 2022.

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 (GAEPD) approved the Water Quality Certification by letter dated October 4, 2021. Based on the plan modifications, two buffer variances were transmitted to GAEPD on April 12, 2020.

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 (MOA) for cultural resources for this project was ratified on May 2, 2017. The mitigation required for the MOA has been completed and is awaiting final approval. Due to design changes, GDOT has submitted cultural and historical re-evaluation memos/reports to the State Historic Preservation Office (SHPO) since signing the MOA in 2017. On October 26, 2021, SHPO confirmed that a determination of "No Adverse Effect" to the additional historic resources remains appropriate. No additional consultation is required.

Endangered Species: The Federal Highway Administration (FHWA), the lead federal agency, has reviewed this project in accordance with Section 7 of the Endangered Species Act. The FHWA determined that the project would have "*no effect*" on the following federally listed species: Swamp pink (*Helonias bullata*), bog turtle (*Glyptemys muhlenbergii*), amber darter (*Percina antesella*), Cherokee darter (*Etheostoma scotti*), and Etowah darter (*Etheostoma etowahae*). The FHWA determined that the project would "may affect, not likely adverse affect" the following federally listed species: Small-whorled pogonia (*Isotria medeoloides*) and green pitcherplant (*Sarracenia oreophila*). United States Fish and Wildlife Service (USFWS) concurred with the determination on March 7, 2017. The FHWA determined that the project would "may affect, likely adverse affect" the following federally listed species: Indiana bat (*Myotis sodalis*) and northern long-eared bat (*Myotis septentrionalis*). On April 4, 2017, USFWS issued a Biological Opinion, determining the project would not likely jeopardize the continued existence of the Indiana bat and northern long-eared bat.

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.

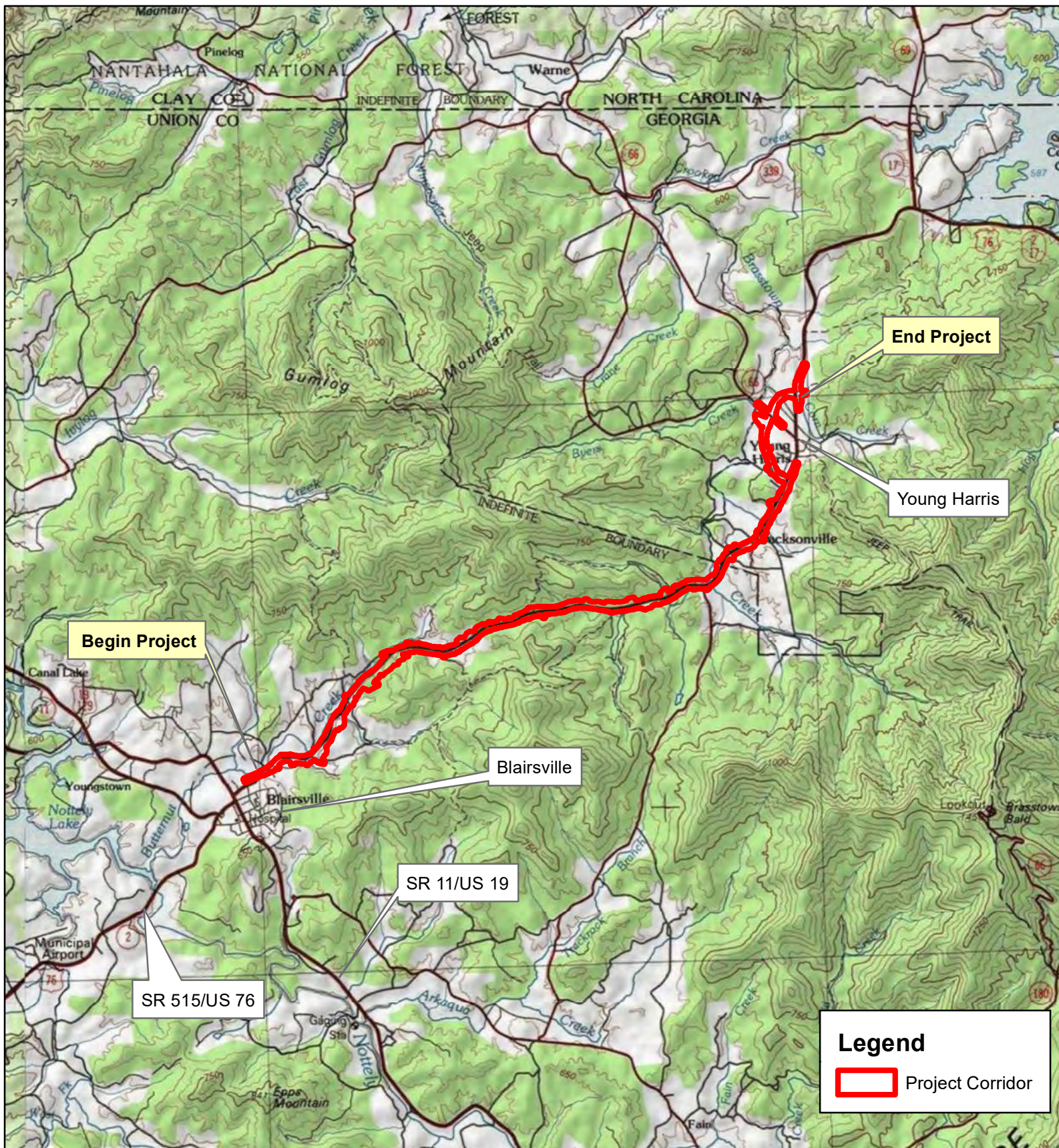
Application of Section 404(b)(1) Guidelines: The proposed activity involves the discharge of dredged or fill material into the waters of the United States. The Savannah District's evaluation of the impact of the activity on the public interest will include application of the guidelines promulgated by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

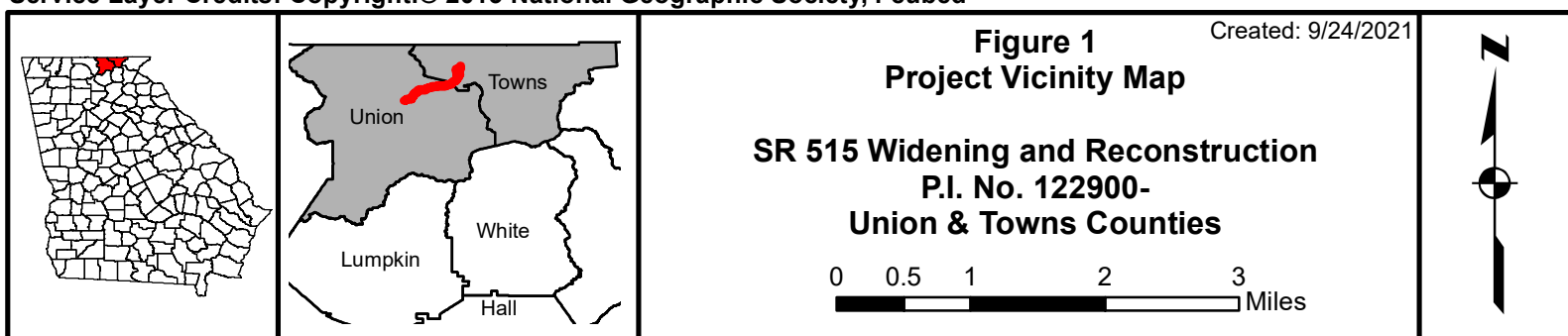
Comment Period: Anyone wishing to comment on this application for a Department of the Army permit should submit comments by email to Nicole.M.Liette@usace.army.mil. Alternatively, you may submit comments in writing to the Commander, U.S. Army Corps of Engineers, Savannah District, Attention: Ms. Nicole Liette, 4751 Best Road, Suite 140, College Park, Georgia 30337, no later than 15 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. Plan and Profile Drawings



Service Layer Credits: Copyright:© 2013 National Geographic Society, i-cubed



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

APD00-0056-02(029)

UNION AND TOWNS COUNTIES

FEDERAL ROUTE • 76

STATE ROUTE • 515 / 2

PJ.NO.122900-

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

THIS PROJECT CONTAINS POST

CONSTRUCTION BMPS.

THIS PROJECT HAS BEEN PREPARED

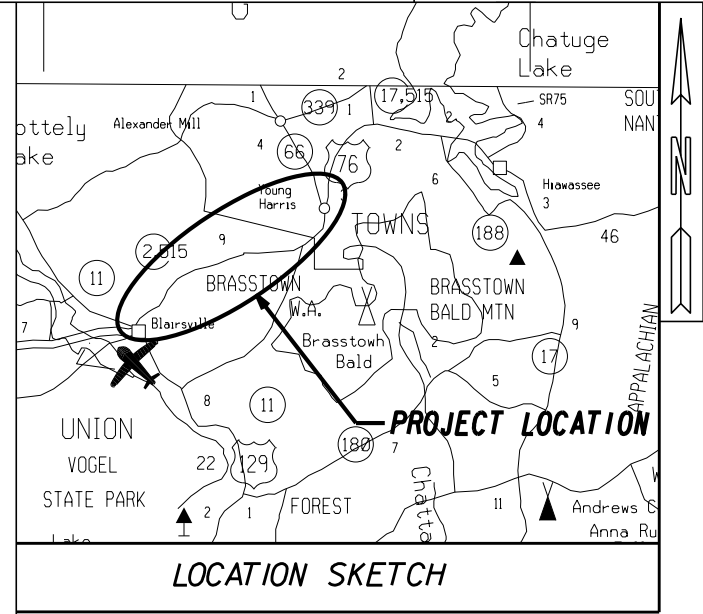
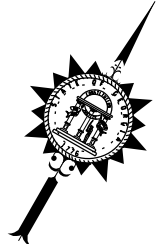
USING THE HORIZONTAL GEORGIA

COORDINATE SYSTEM OF 1984 (NAD

1983)/94 WEST ZONE, AND THE NORTH

AMERICAN VERTICAL DATUM (NAVD)

OF 1988.



DESIGN DATA:

TRAFFIC A.D.T.: 18,600 (2025)

TRAFFIC A.D.T.: 25,100 (2045)

TRAFFIC D.H.V.: 2,195 (2045)

DIRECTIONAL DIST: 52%

TRUCKS: 11.5%

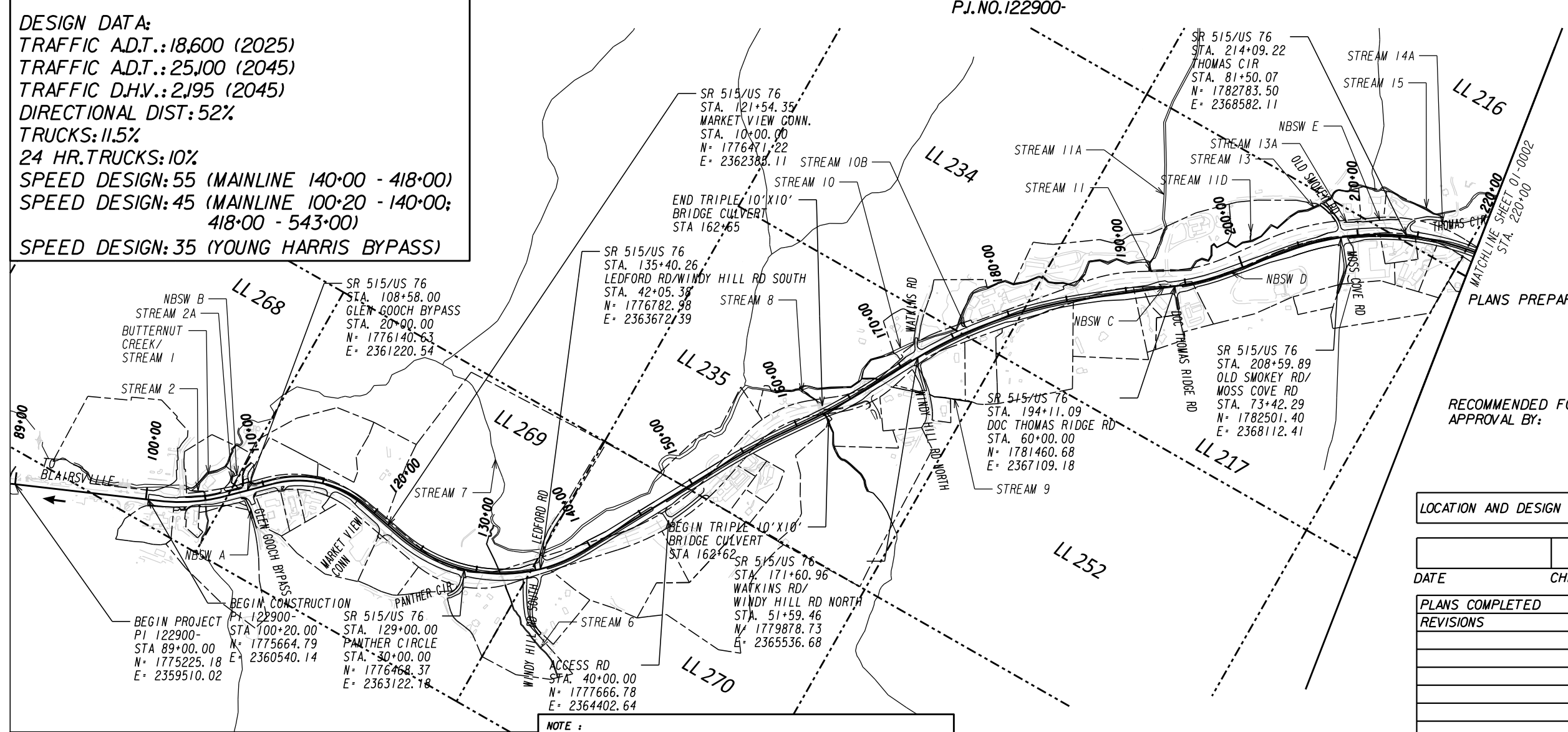
24 HR. TRUCKS: 10%

SPEED DESIGN: 55 (MAINLINE 140+00 - 418+00)

SPEED DESIGN: 45 (MAINLINE 100+20 - 140+00;

418+00 - 543+00)

SPEED DESIGN: 35 (YOUNG HARRIS BYPASS)



LENGTH OF PROJECT	COUNTY No. 281 (TOWNS) 291 (UNION)
	MILES
UNION COUNTY:	
NET LENGTH OF ROADWAY	6.024
NET LENGTH OF BRIDGES	0.014
NET LENGTH OF PROJECT	6.037
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	6.037
TOWNS COUNTY:	
NET LENGTH OF ROADWAY	3.399
NET LENGTH OF BRIDGES	0.015
NET LENGTH OF PROJECT	3.414
NET LENGTH OF EXCEPTIONS	0.606
GROSS LENGTH OF PROJECT	2.808
COMBINED:	
GROSS LENGTH OF PROJECT	8.845

HNTB

PLANS PREPARED BY:

191 PEACHTREE STREET, NE

SUITE 3300

ATLANTA, GEORGIA 30303

RECOMMENDED FOR

APPROVAL BY:

STATE PROGRAM DELIVERY ADMINISTRATOR

LOCATION AND DESIGN APPROVAL DATE: 06/13/2017

DATE

CHIEF ENGINEER

PLANS COMPLETED	- -
REVISIONS	

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY

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.

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.

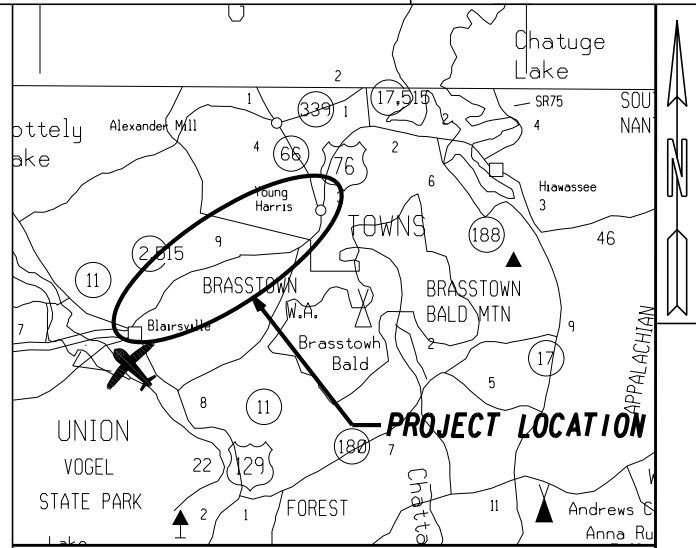
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DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

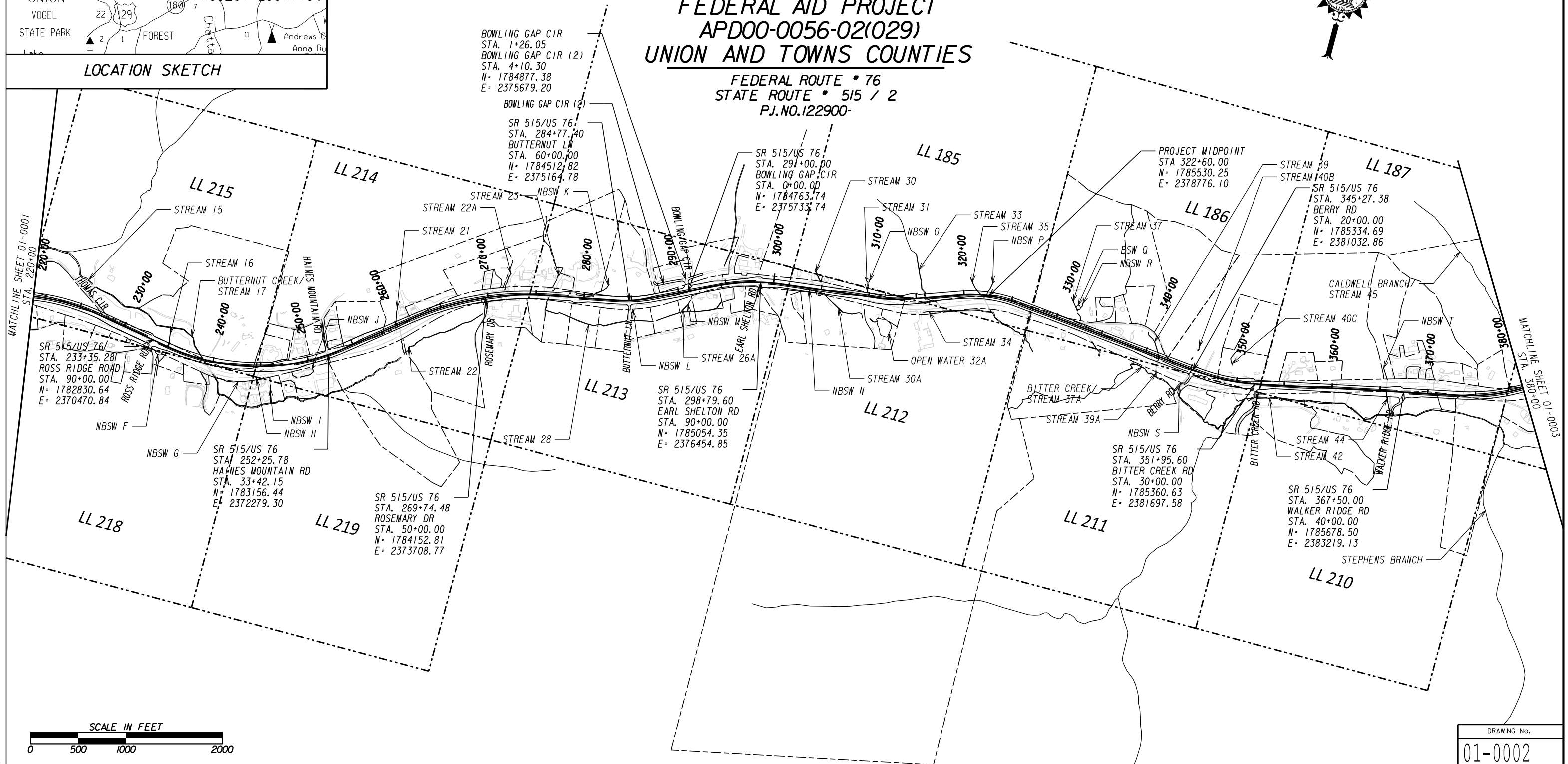
PLAN AND PROFILE OF PROPOSED WIDENING OF SR 515 / SR 2 / US 76 FROM BLAIRSVILLE TO YOUNG HARRIS

FEDERAL AID PROJECT
APD00-0056-02(029)
UNION AND TOWNS COUNTIES

FEDERAL ROUTE • 76
STATE ROUTE • 515 / 2
P.J.NO.122900-



LOCATION SKETCH



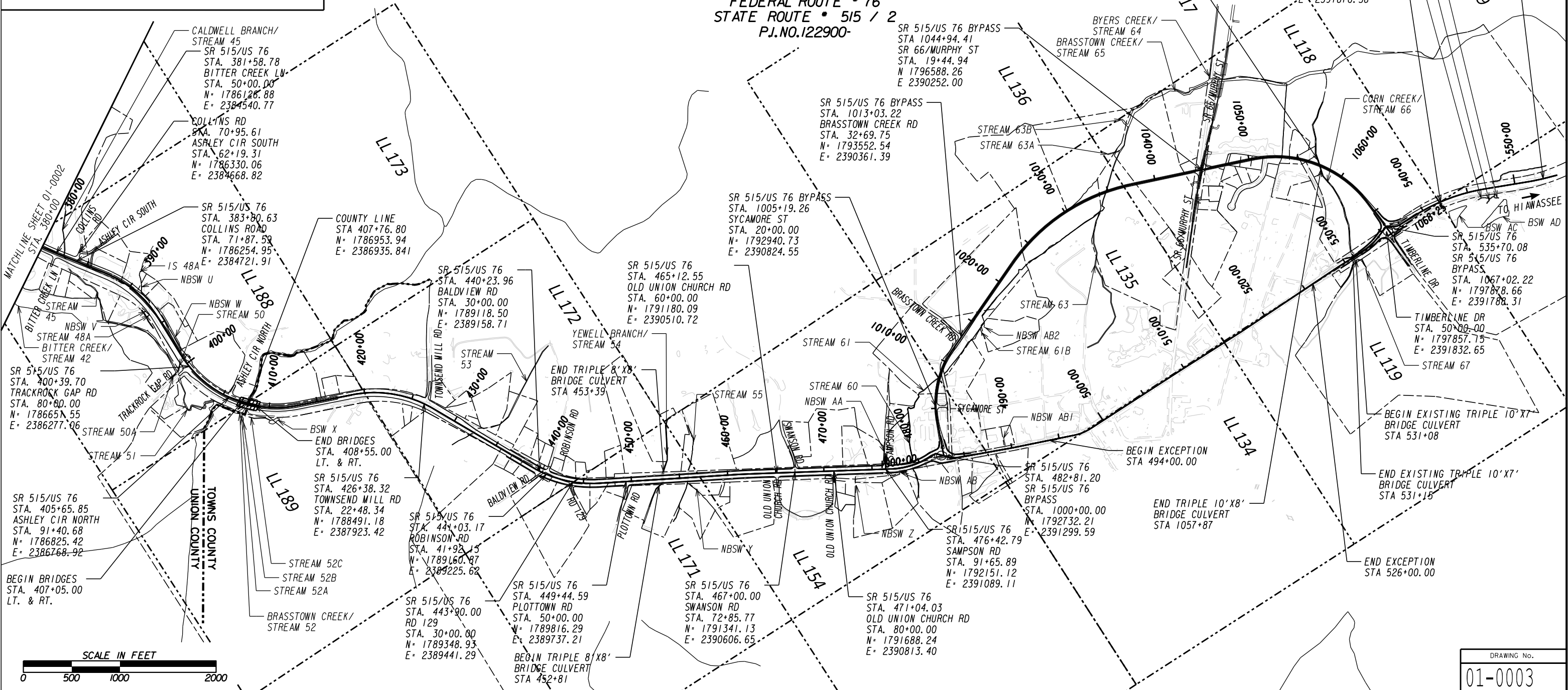
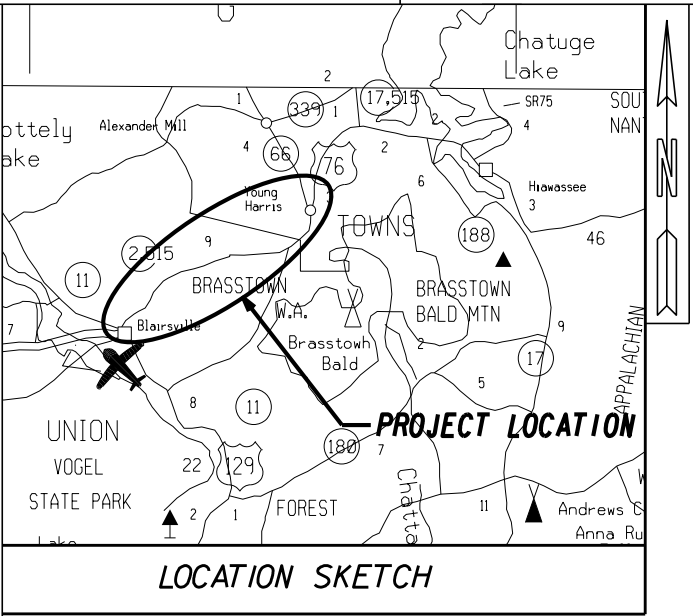
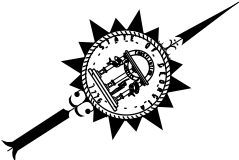
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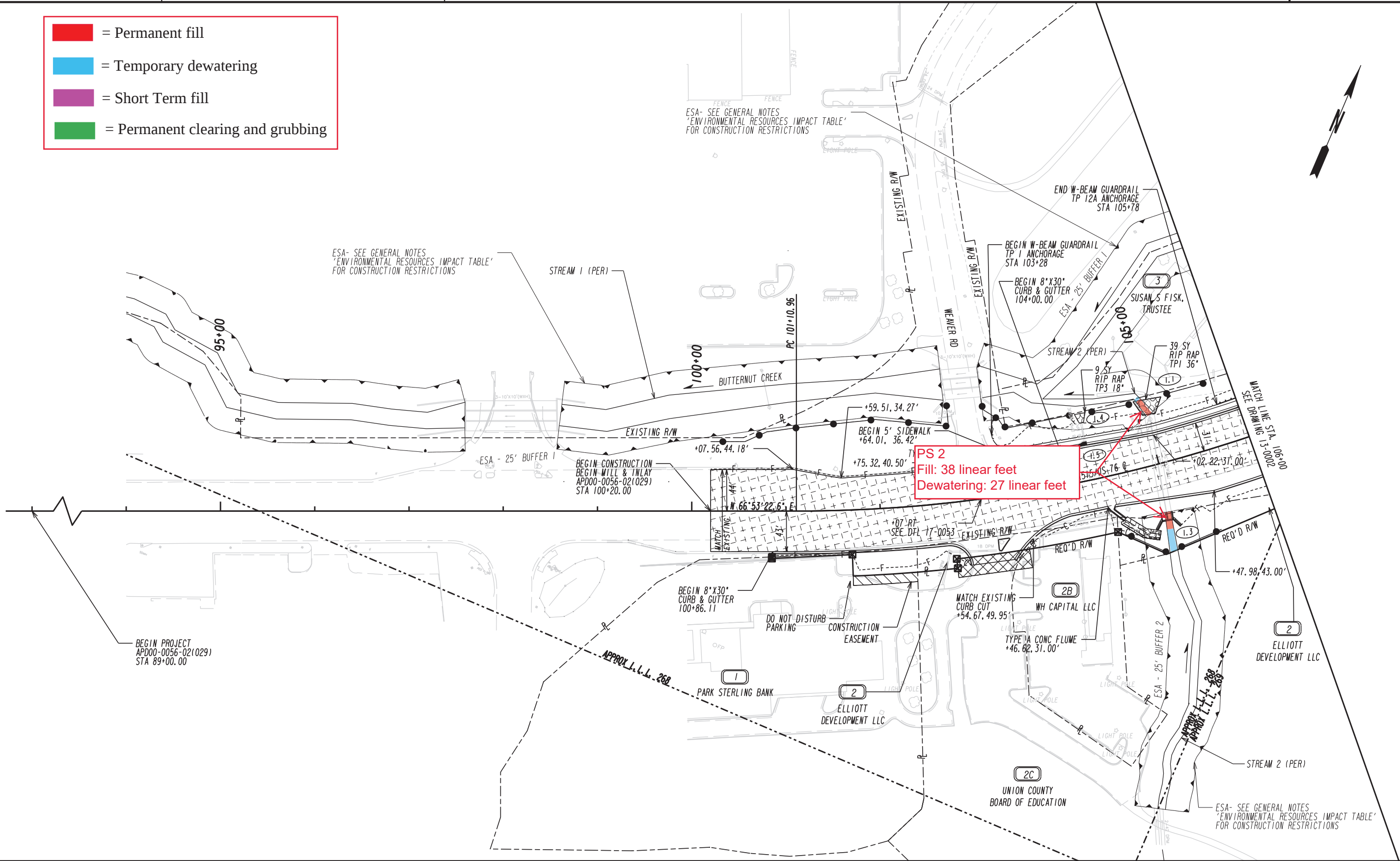


= Permanent fill

= Temporary dewatering

= Short Term fill

= Permanent clearing and grubbing



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

HNTB

19 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

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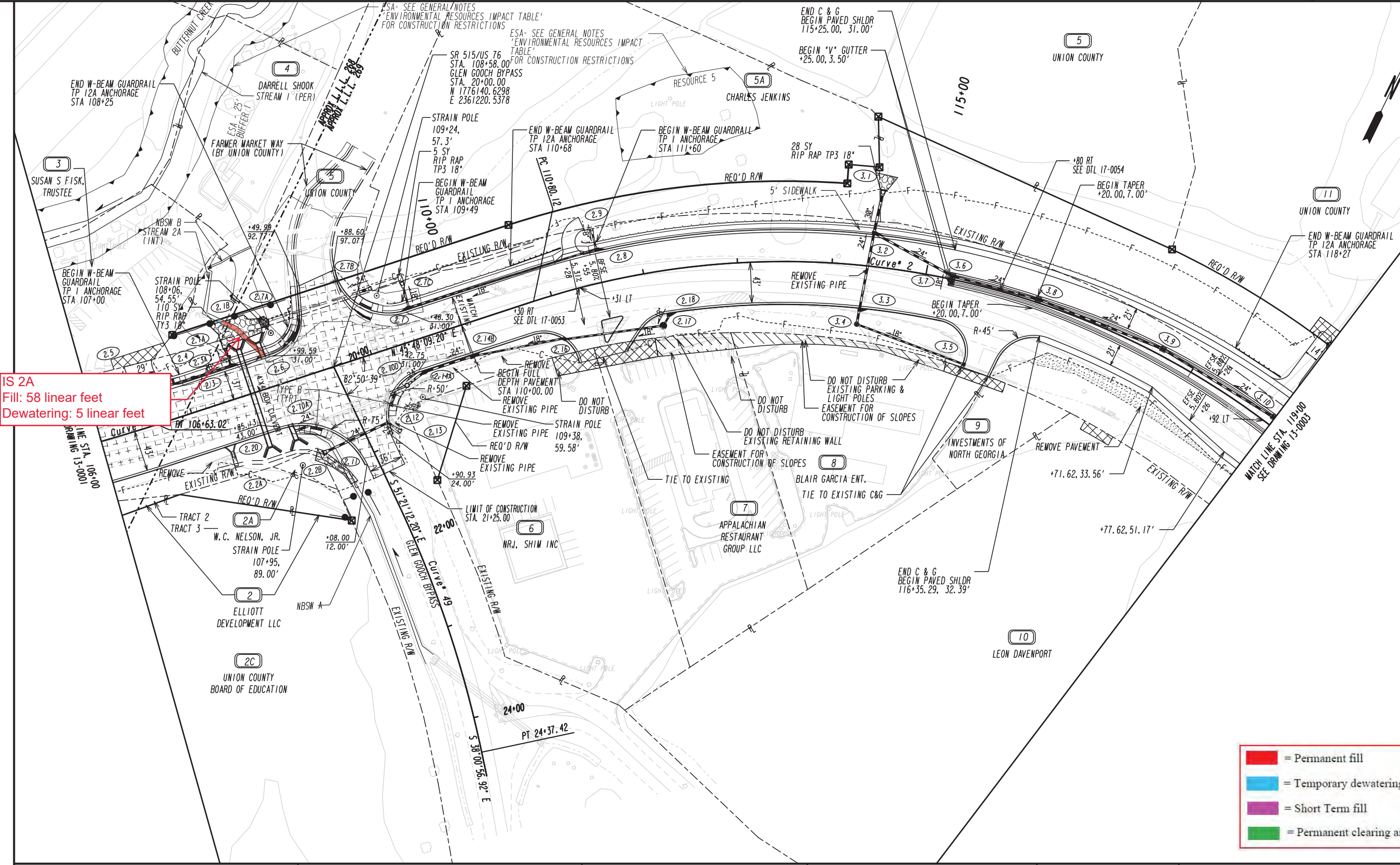
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13-0001

10/23/2015

GPLN



= Permanent fill

= Temporary dewatering

= Short Term fill

= Permanent clearing and grubbing

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

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

HNTB

191PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET

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REVISION DATES

CONSTRUCTION PLAN

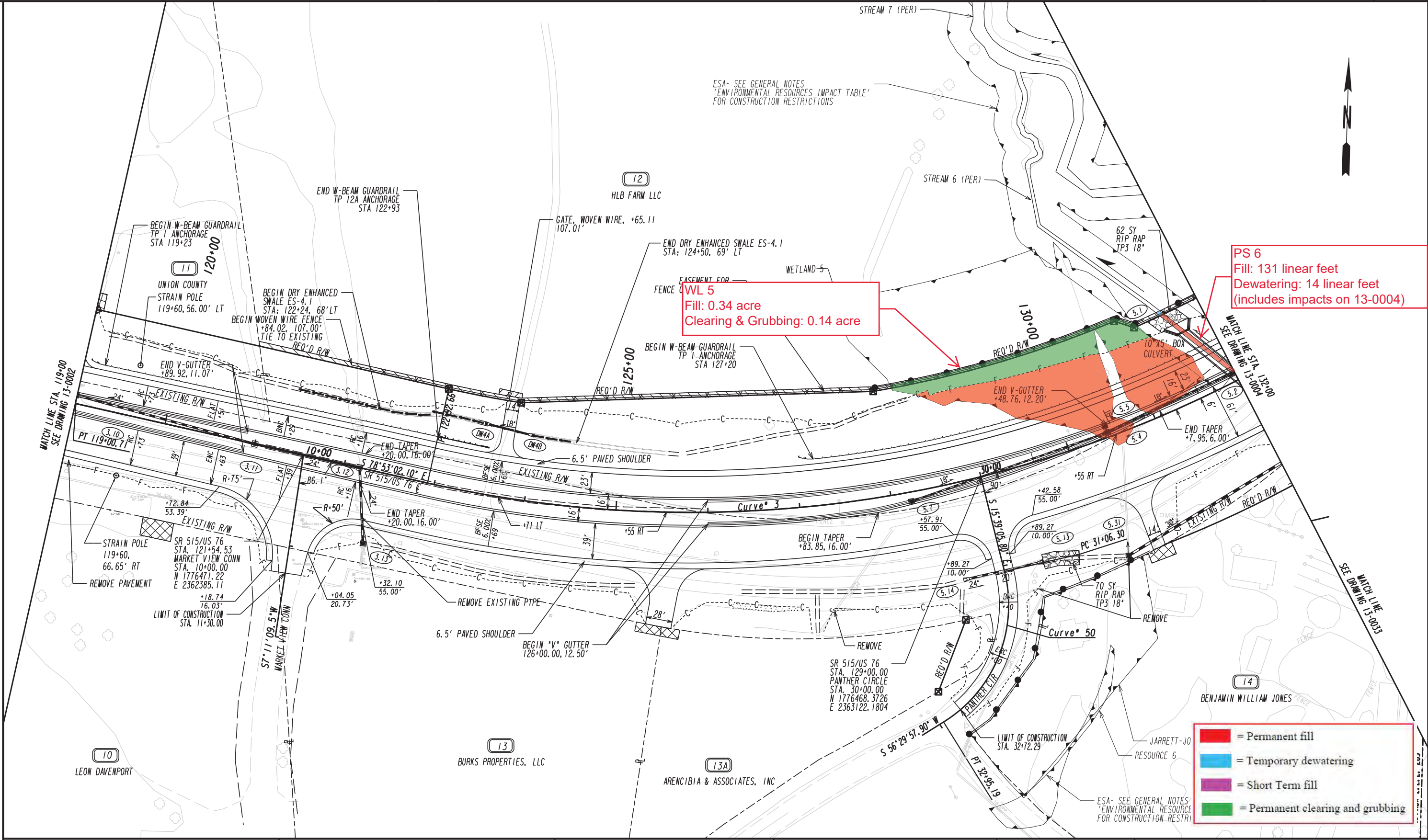
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10/23/2015 GPLN



PROPERTY AND EXISTING R/W LINE
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& MAINTENANCE OF SLOPES
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ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

19 PEACHTREE STREET, NE
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ATLANTA, GEORGIA 30303

SCALE IN FEET

REVISION DATES

CONSTRUCTION PLAN

SR 515/2/US 76 FROM
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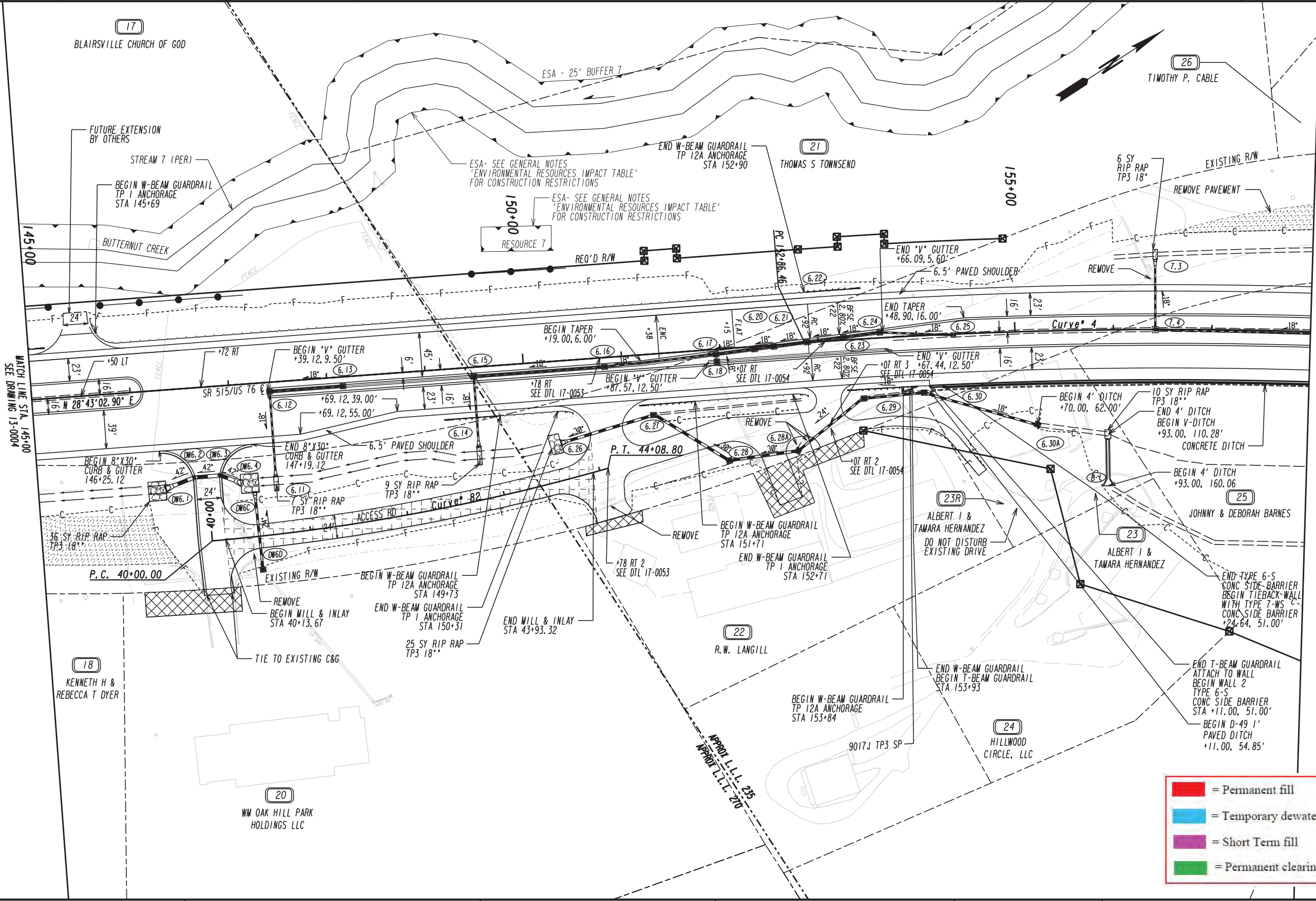
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10/23/2015 GPN





= Permanent fill

= Temporary dewatering

= Short Term fill

= Permanent clearing and grubbing

PROPERTY AND EXISTING R/W LINE
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HNTB

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ATLANTA, GEORGIA 30303

SCALE IN FEET
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REVISION DATES

CONSTRUCTION PLAN

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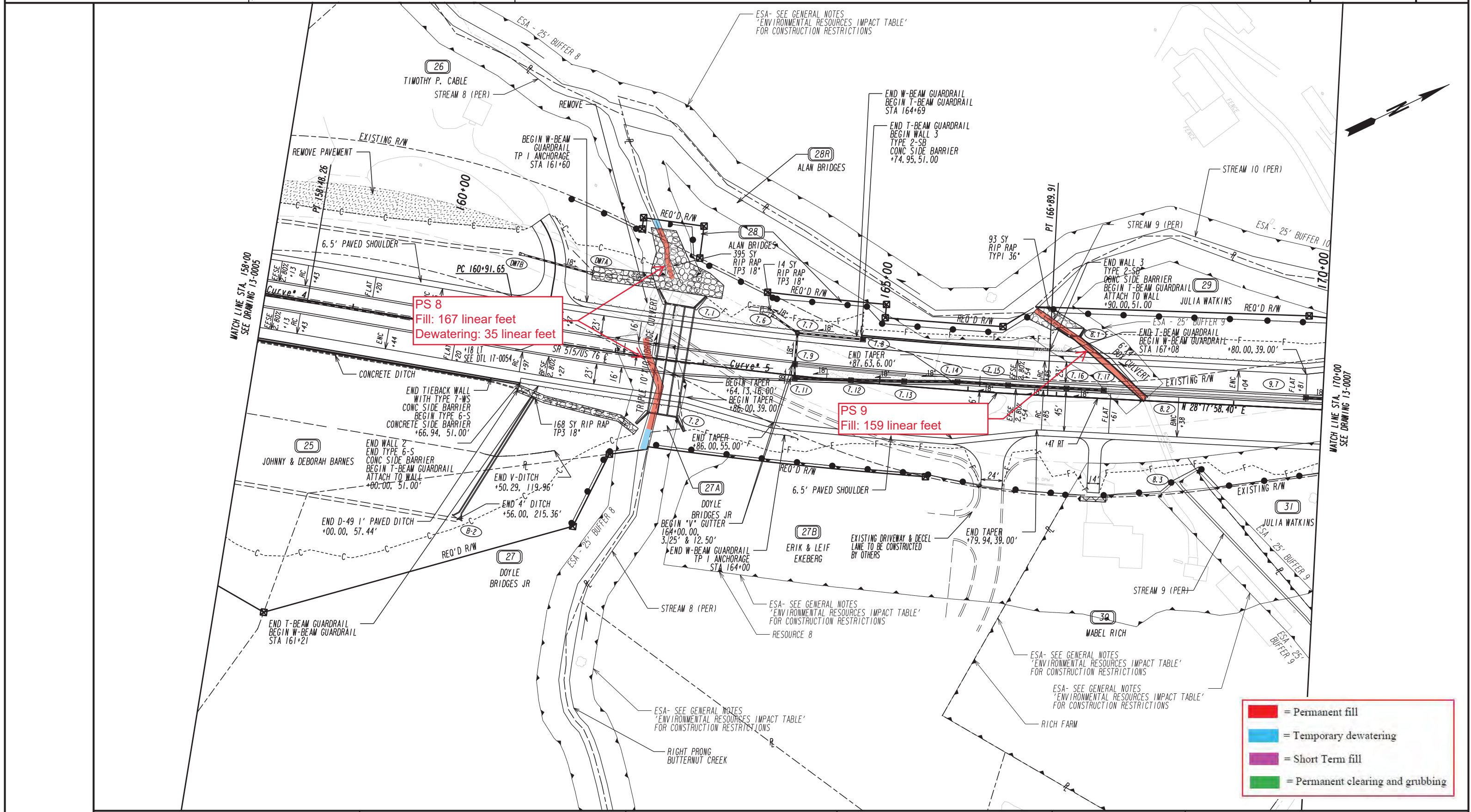
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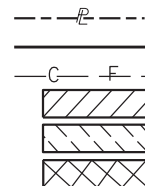
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10/23/2015 GPLN



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& MAINTENANCE OF SLOPES
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EASEMENT FOR CONSTR OF DRIVES



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(SEE ERIT TABLE)

HNTB

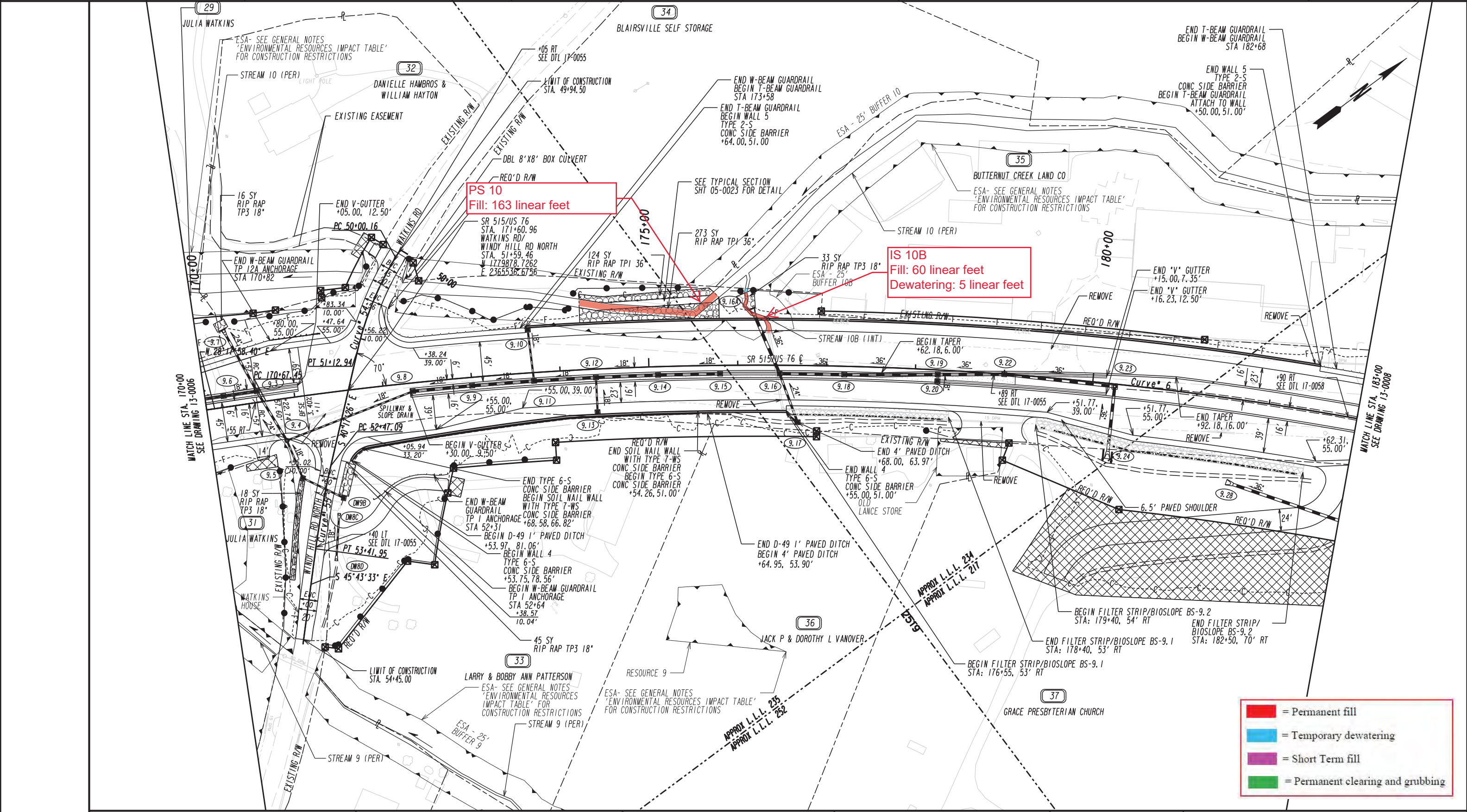
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REVISION DATES

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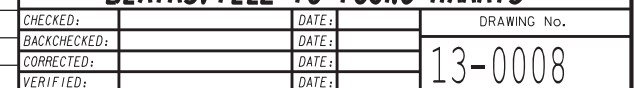
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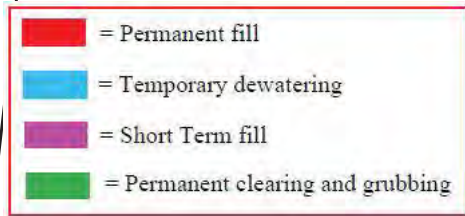
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10/23/2015 GPLN



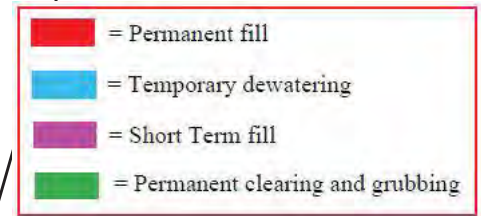


The diagram shows a vertical stack of three rectangular layers. The top layer is white. The middle layer is filled with diagonal hatching (top-left to bottom-right). The bottom layer is filled with a cross-hatch pattern. Above the layers, a horizontal dashed line is labeled 'P' in the center. Below the layers, a horizontal solid line is labeled 'C' on the left and 'F' on the right, with a gap between them.

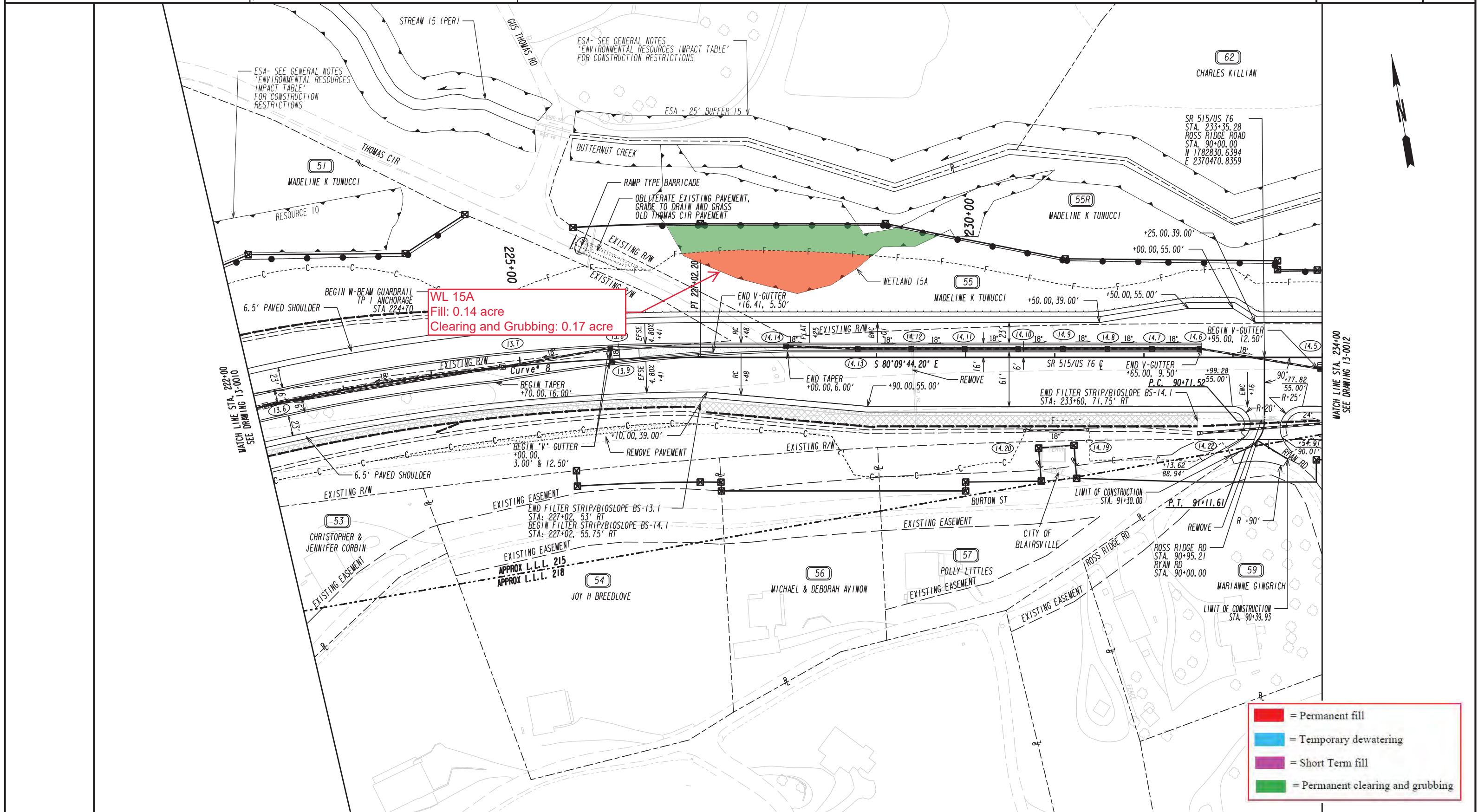
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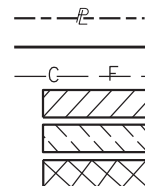
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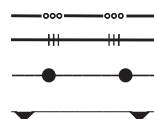
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PROPERTY AND EXISTING R/W LINE
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END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS —
REQ'D R/W & LIMIT OF ACCESS —
ORANGE BARRIER FENCE —
ESA - ENV. SENSITIVE AREA —
(SEE ENVT TABLE)



HNTB

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET

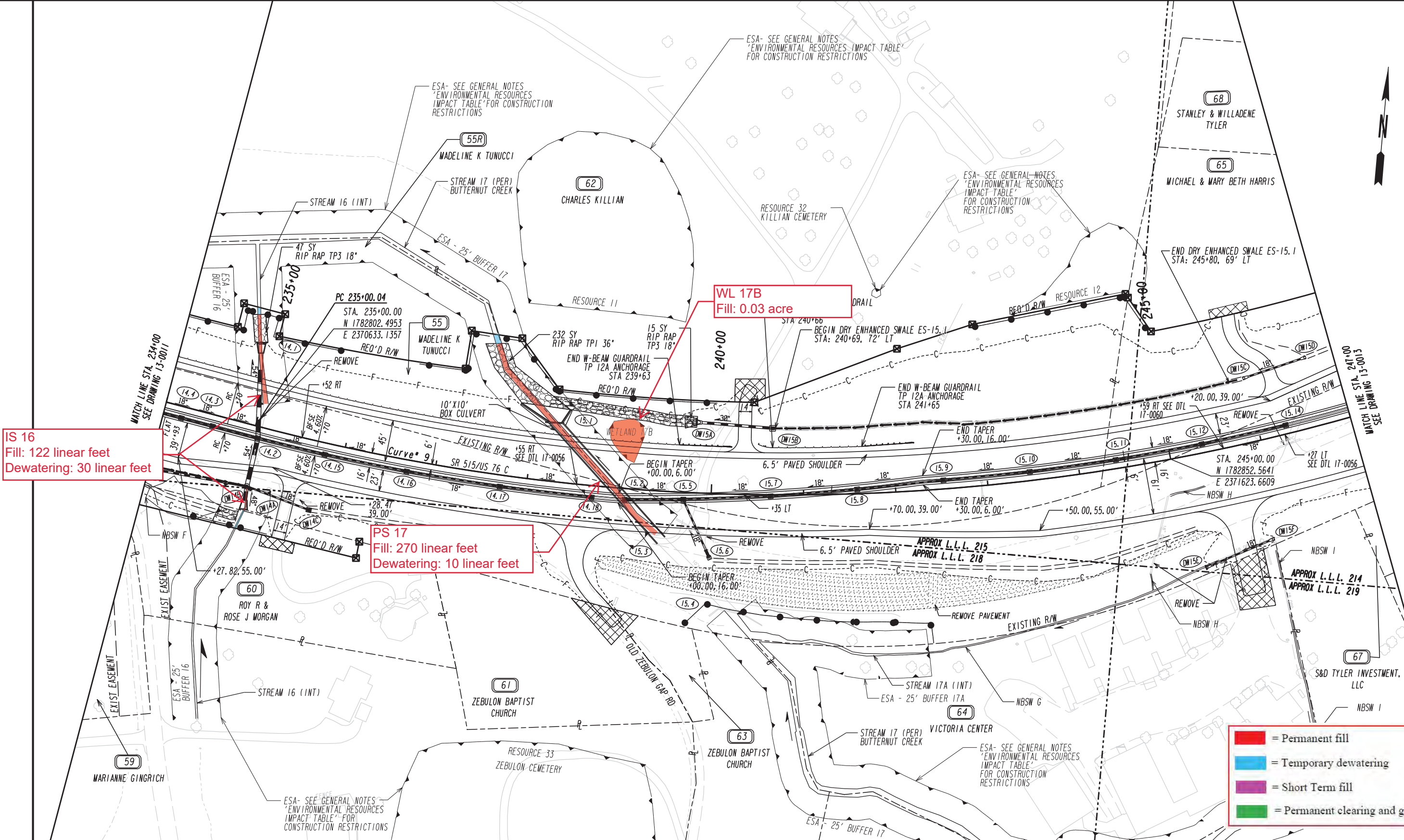
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REVISION DATES

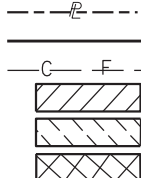
CONSTRUCTION PLAN

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

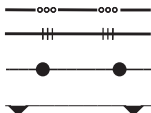
CHECKED:	DATE:	DRAWING No. 13-0011
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VERIFIED:	DATE:	



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 ERIT TABLE)



HNTB

19 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

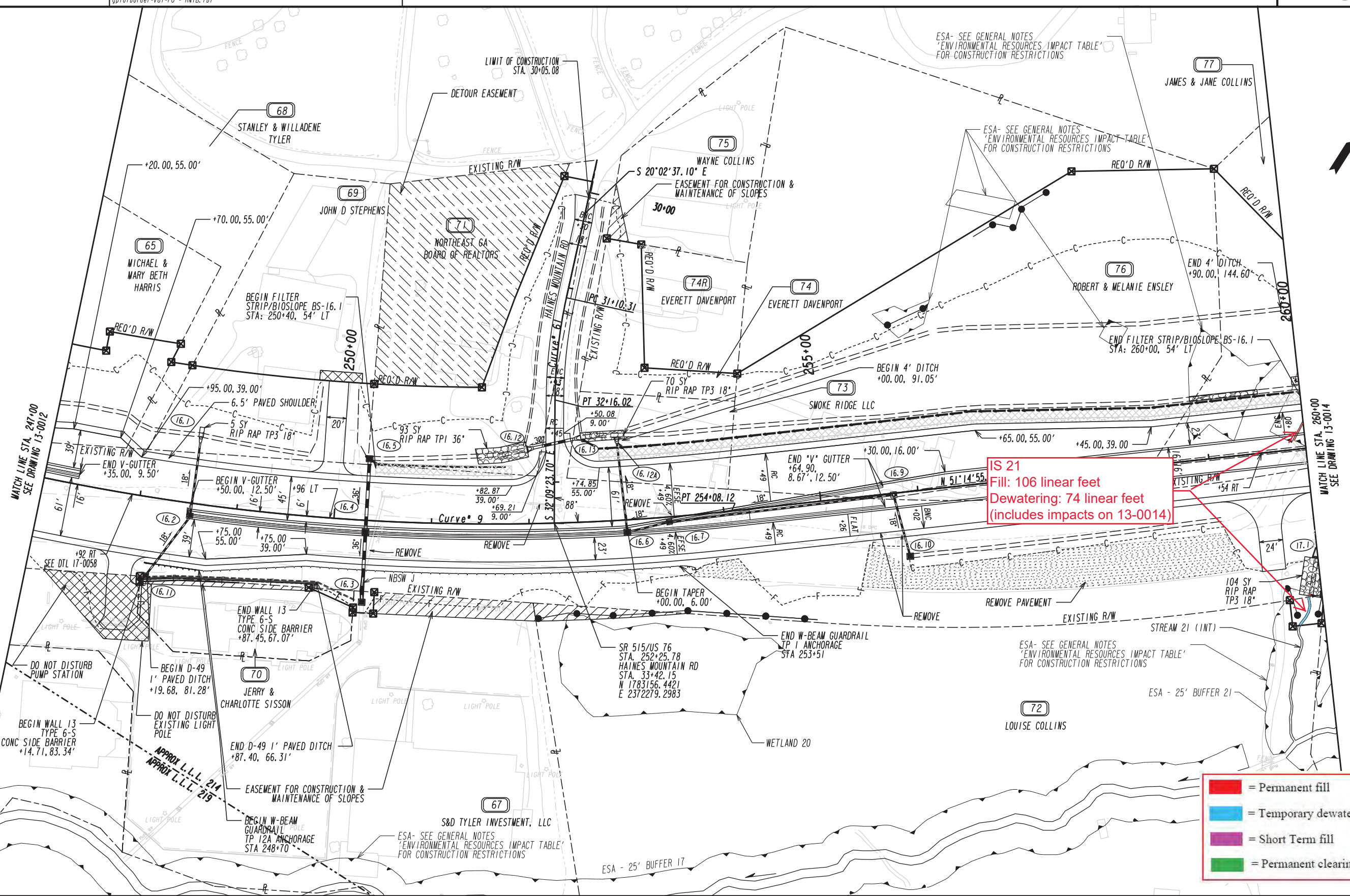


REVISION DATES

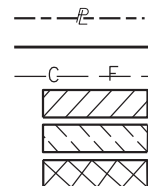
CONSTRUCTION PLAN

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

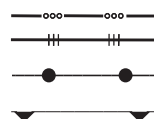
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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



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 ERIT TABLE) ➤

**HNTB**

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET

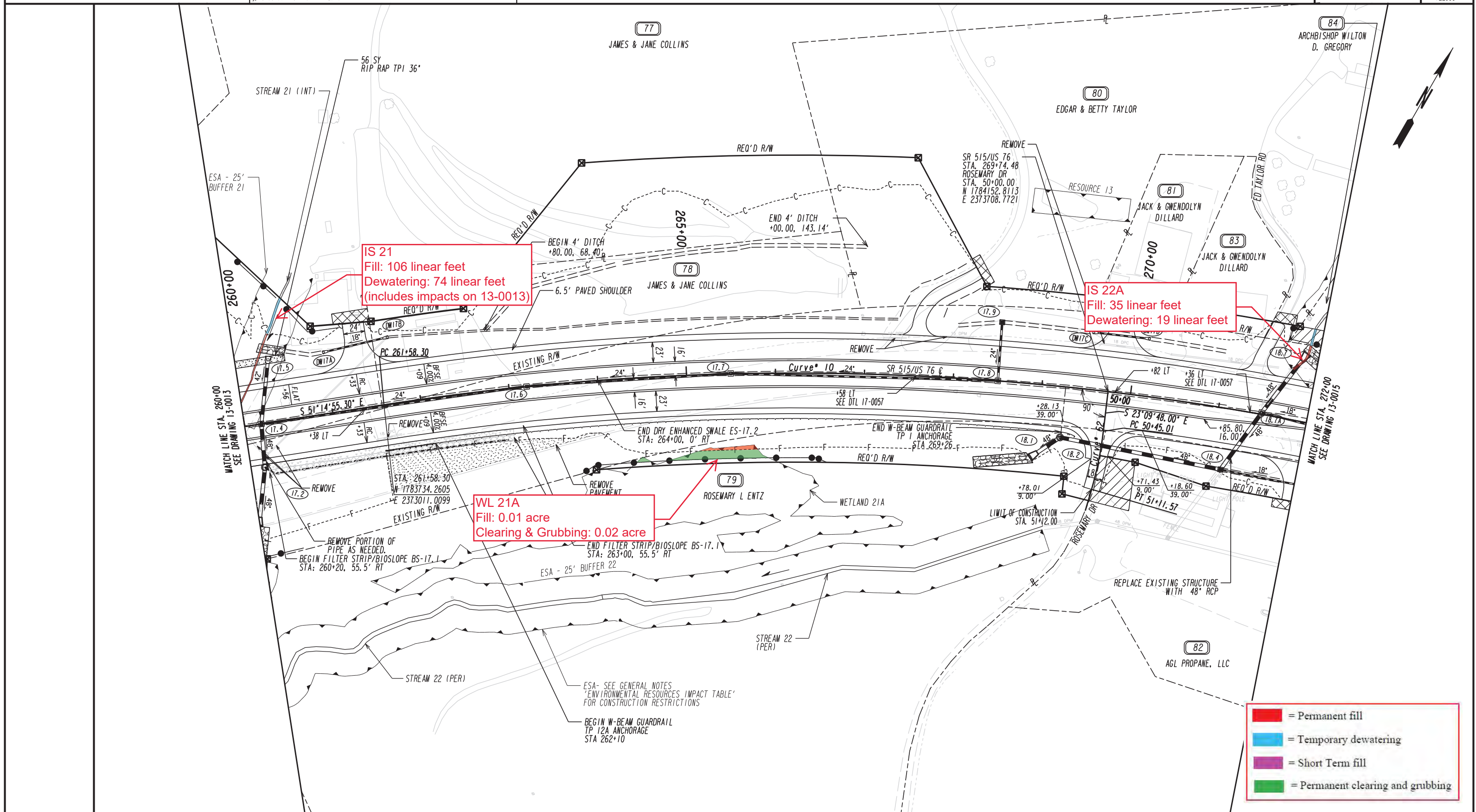


REVISION DATES

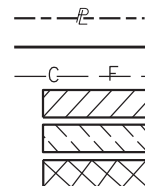
CONSTRUCTION PLAN

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

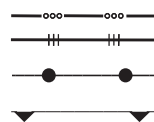
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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



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 ERIT TABLE)

**HNTB**

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET

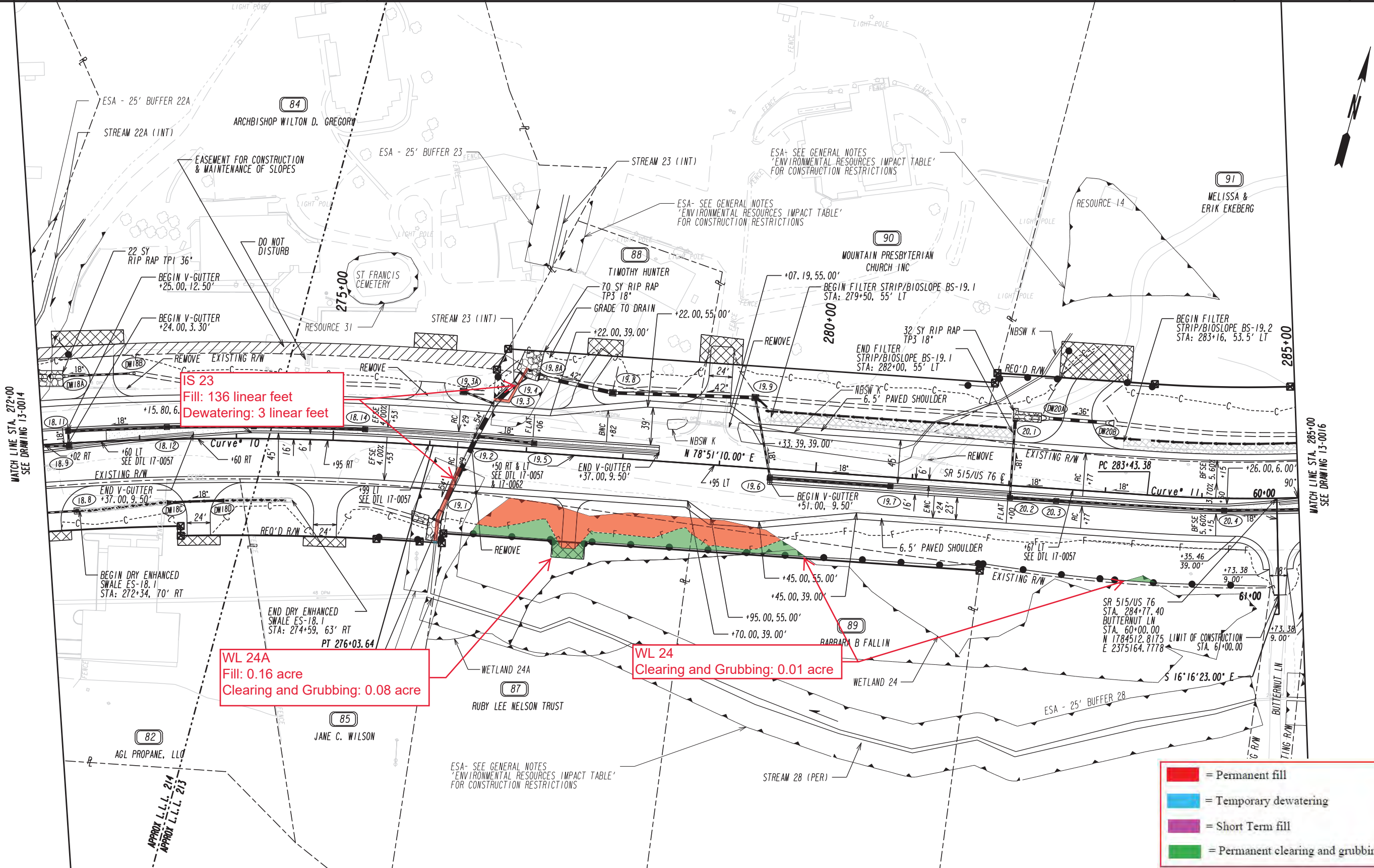


REVISION DATES

CONSTRUCTION PLAN

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

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BACKCHECKED:	DATE:	
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VERIFIED:	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 ERIT TABLE)

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET

REVISION DATES

NO.	DATE	DESCRIPTION

CONSTRUCTION PLAN

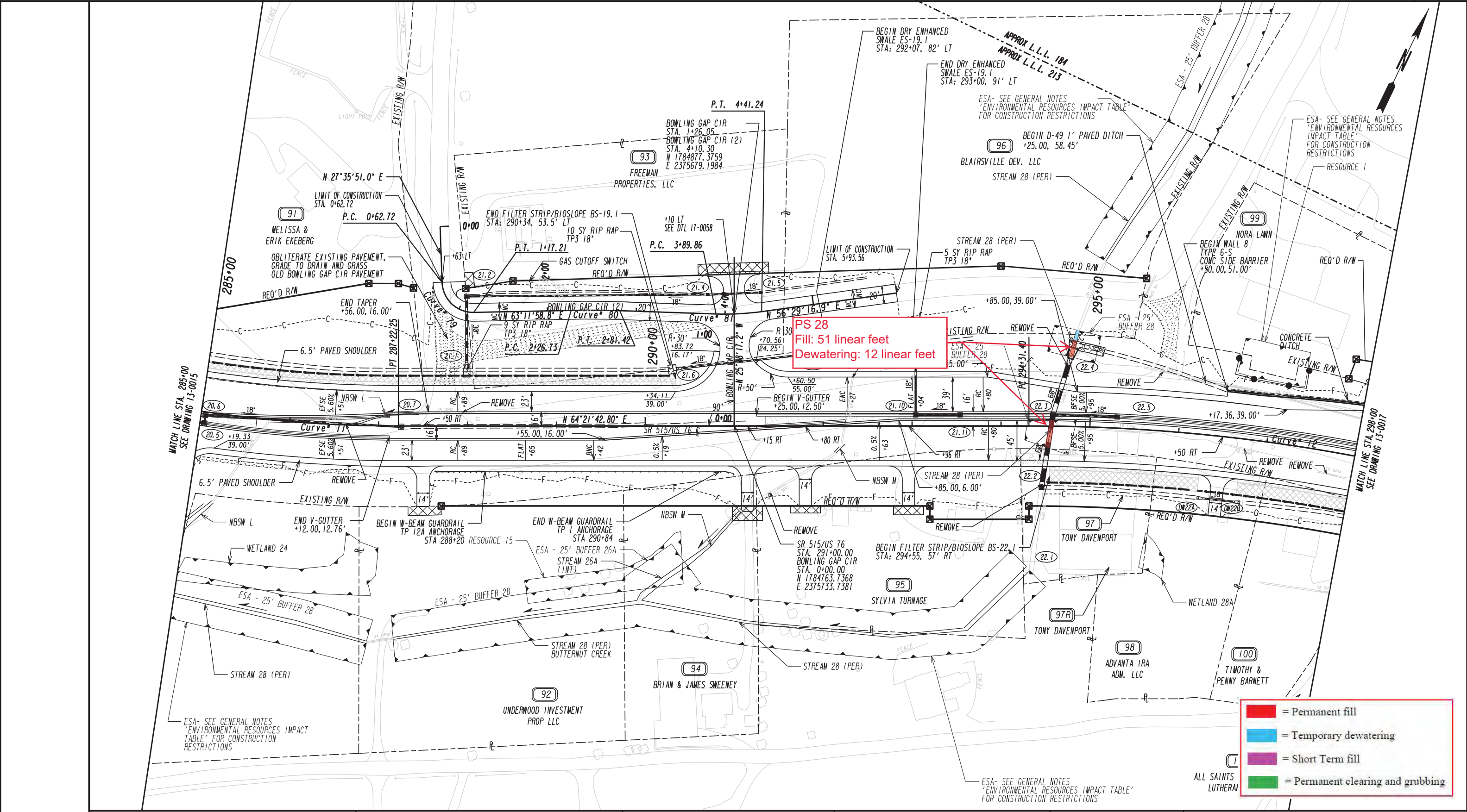
SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

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DATE:
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DATE:

DRAWING NO.
13-0015

10/23/2015 GPLN



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 ERIT TABLE)

19 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET
0 50 100 200

REVISION DATES	

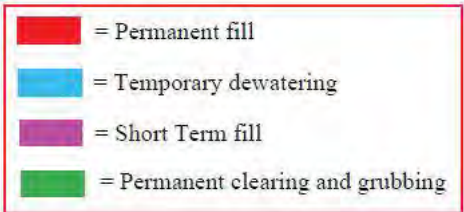
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SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

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BACKCHECKED:	DATE:	13-0016
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VERIFIED:	DATE:	

10/23/2015 GPLN



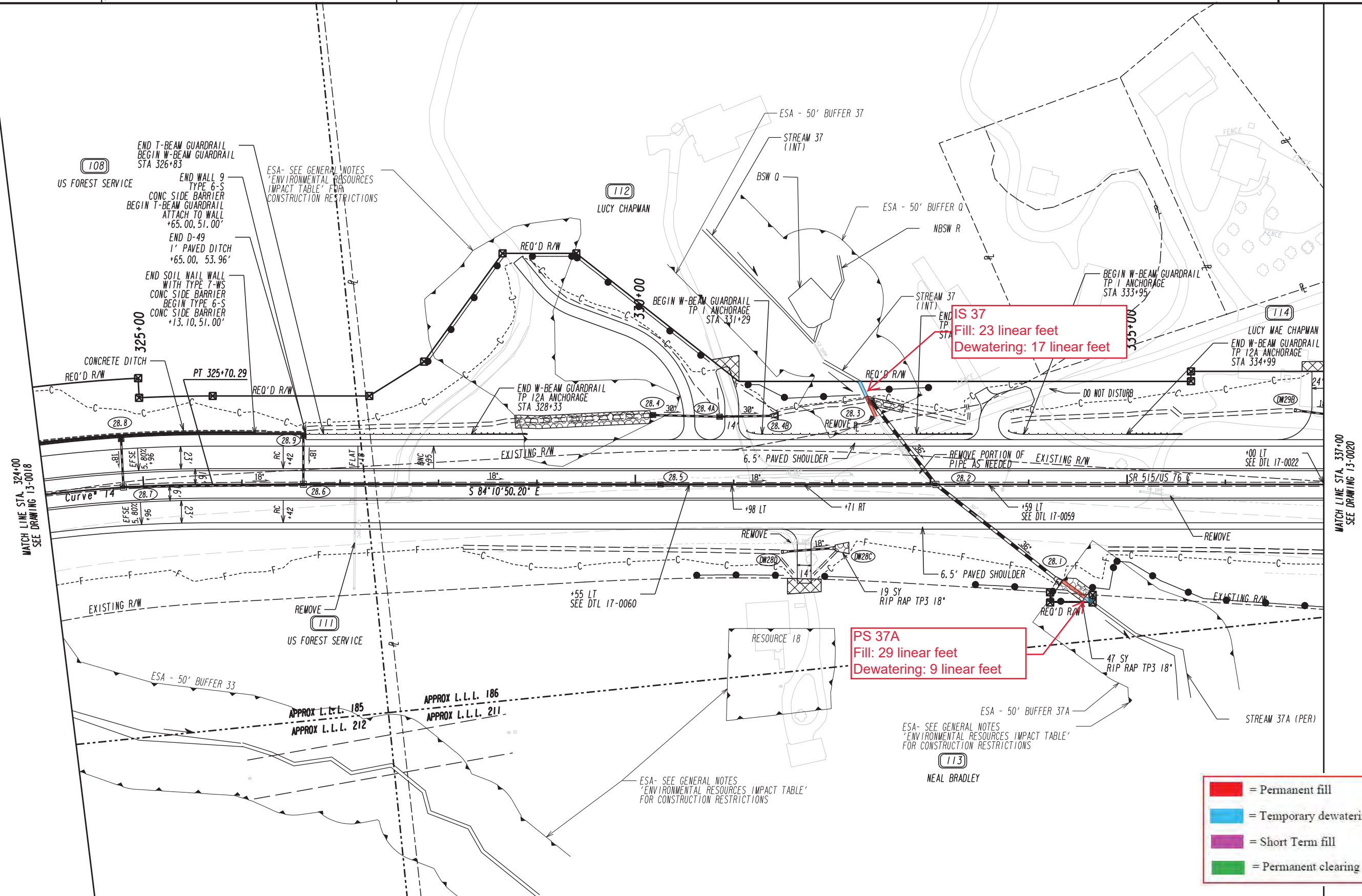
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VERIFIED:	DATE:	



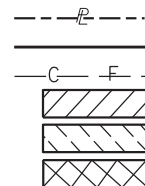
SCALE IN FEET

0 50 100 200

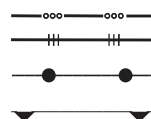
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BACKCHECKED:	DATE:	
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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



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 ERIT TABLE)

**HNTB**

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET

0 50 100 200

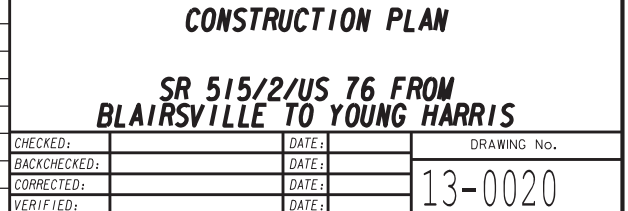
REVISION DATES

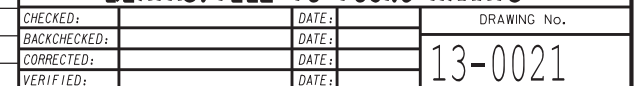
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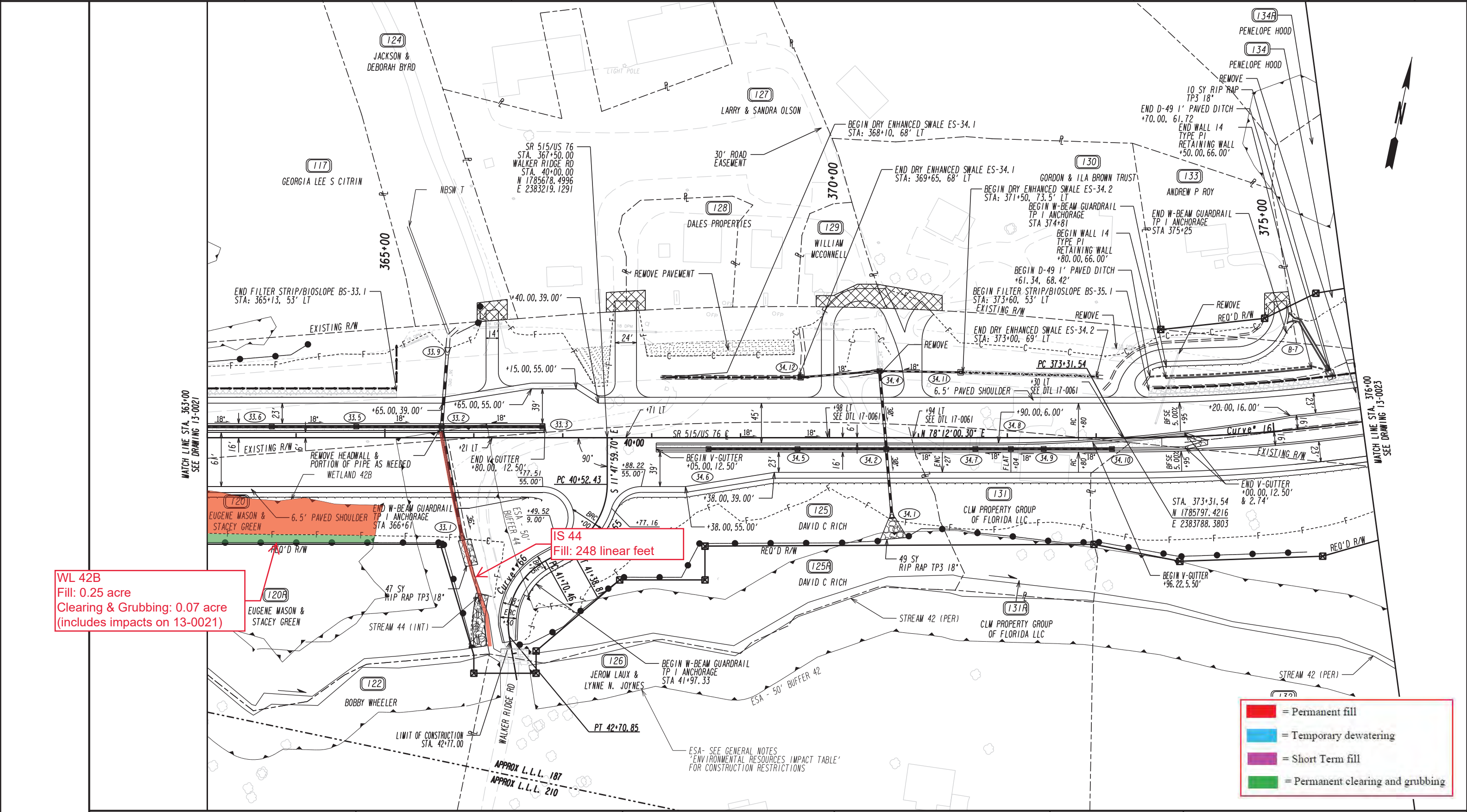
CONSTRUCTION PLAN

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

CHECKED:	DATE:	DRAWING No. 13-0019
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	







WL 42B
Fill: 0.25 acre
Clearing & Grubbing: 0.07 acre
(includes impacts on 13-0021)

- = Permanent fill
- = Temporary dewatering
- = Short Term fill
- = Permanent clearing and grubbing

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 ERIT TABLE)

HNTB

19 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET

0

50

100

200

REVISION DATES

CONSTRUCTION PLAN

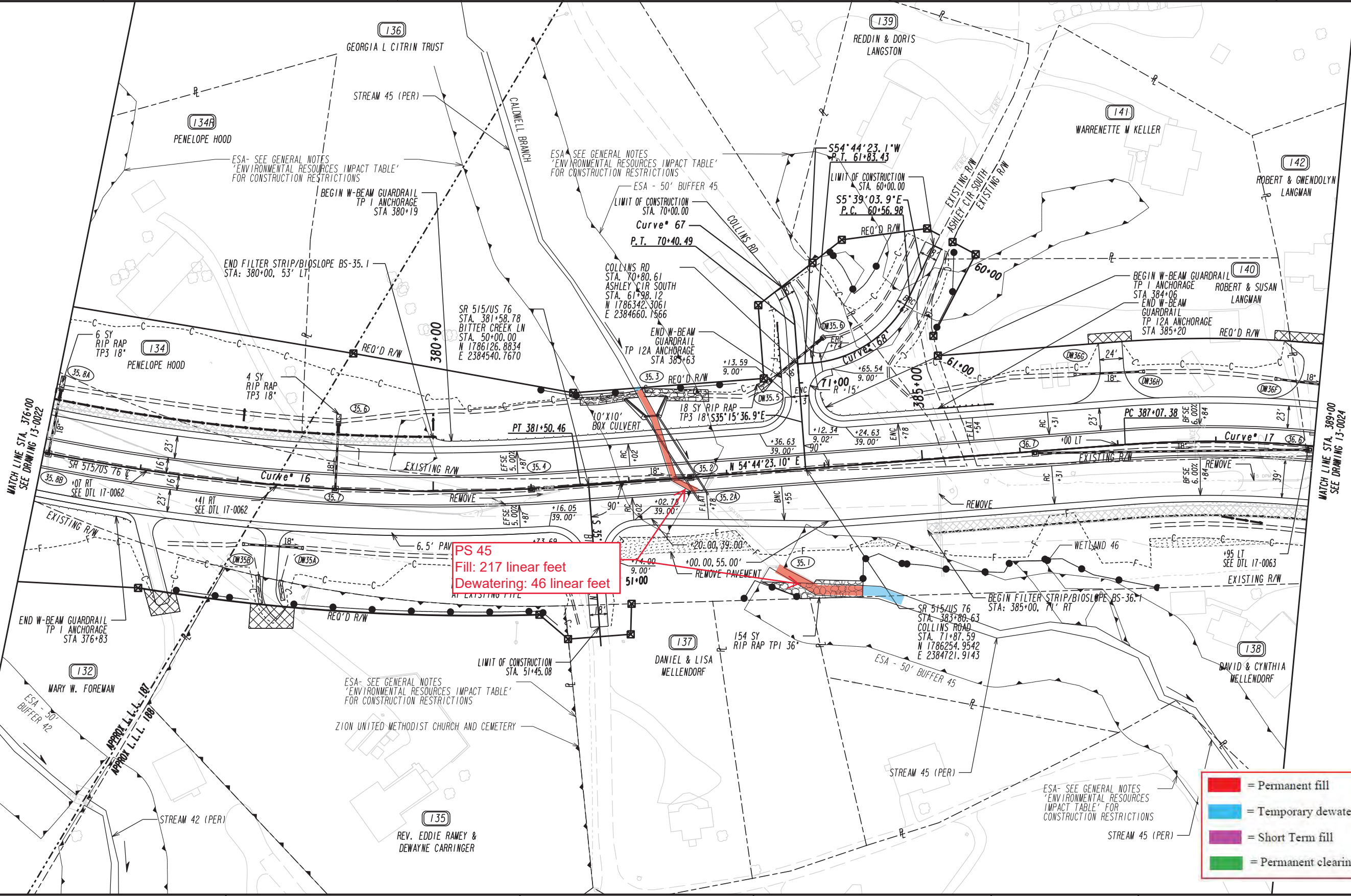
SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

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BACKCHECKED:
CORRECTED:
VERIFIED:

DATE:
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DATE:

DRAWING No.
13-0022

10/23/2015 GPLN



= Permanent fill

= Temporary dewatering

= Short Term fill

= Permanent clearing and grubbing

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 ERIT TABLE)

HNTB

191PEACHTREE 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:

BACKCHECKED:

VERIFIED:

DATE:

DATE:

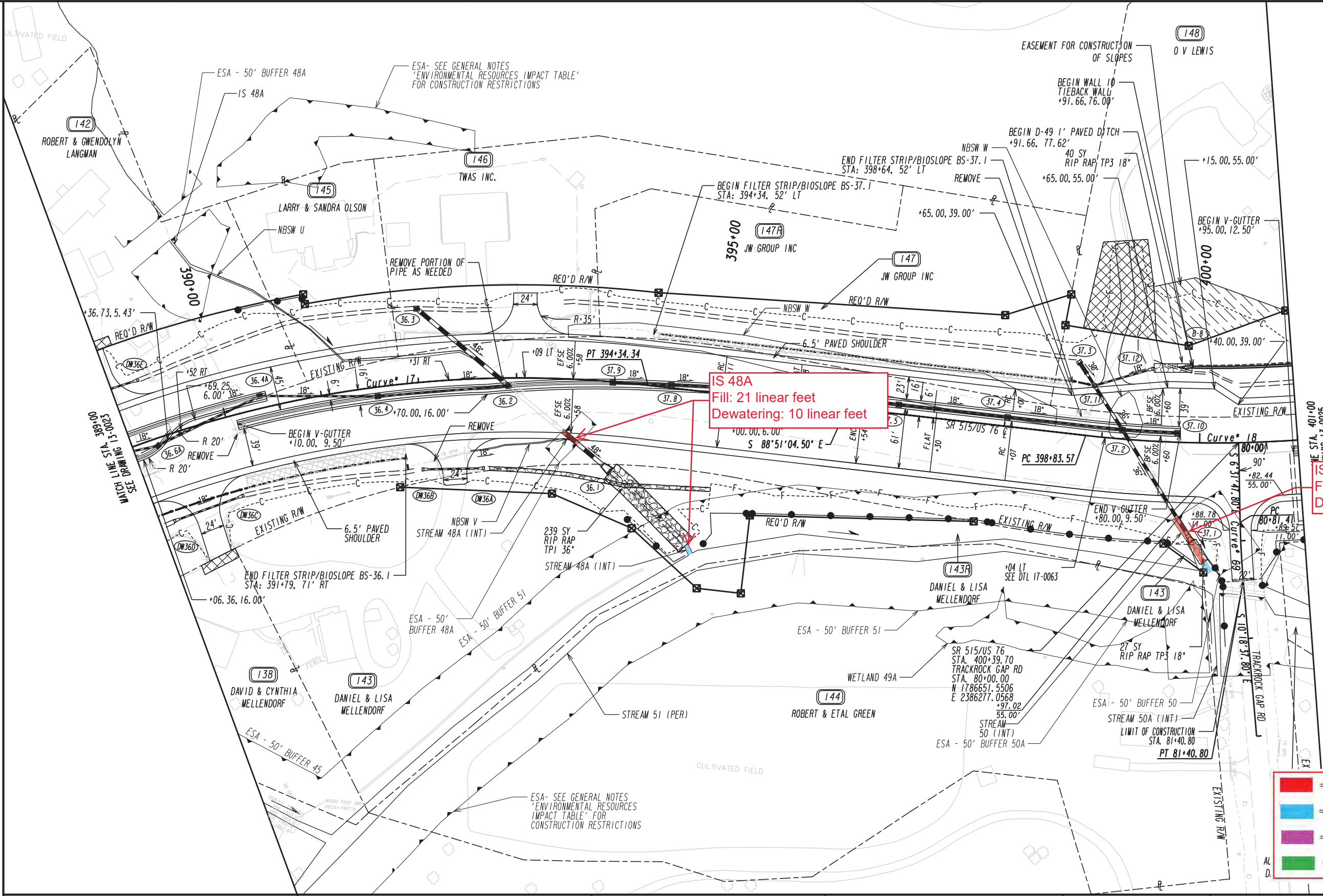
DATE:

DRAWING NO.

13-0023

10/23/2015

GPLAN



IS 48A
Fill: 21 linear feet
Dewatering: 10 linear feet

IS 50
Fill: 53 linear feet
Dewatering: 12 linear feet

- = Permanent fill
- = Temporary dewatering
- = Short Term fill
- = Permanent clearing and grubbing

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 ERIT TABLE)

HNTB

191PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET

0

50

100

200

REVISION DATES

CONSTRUCTION PLAN

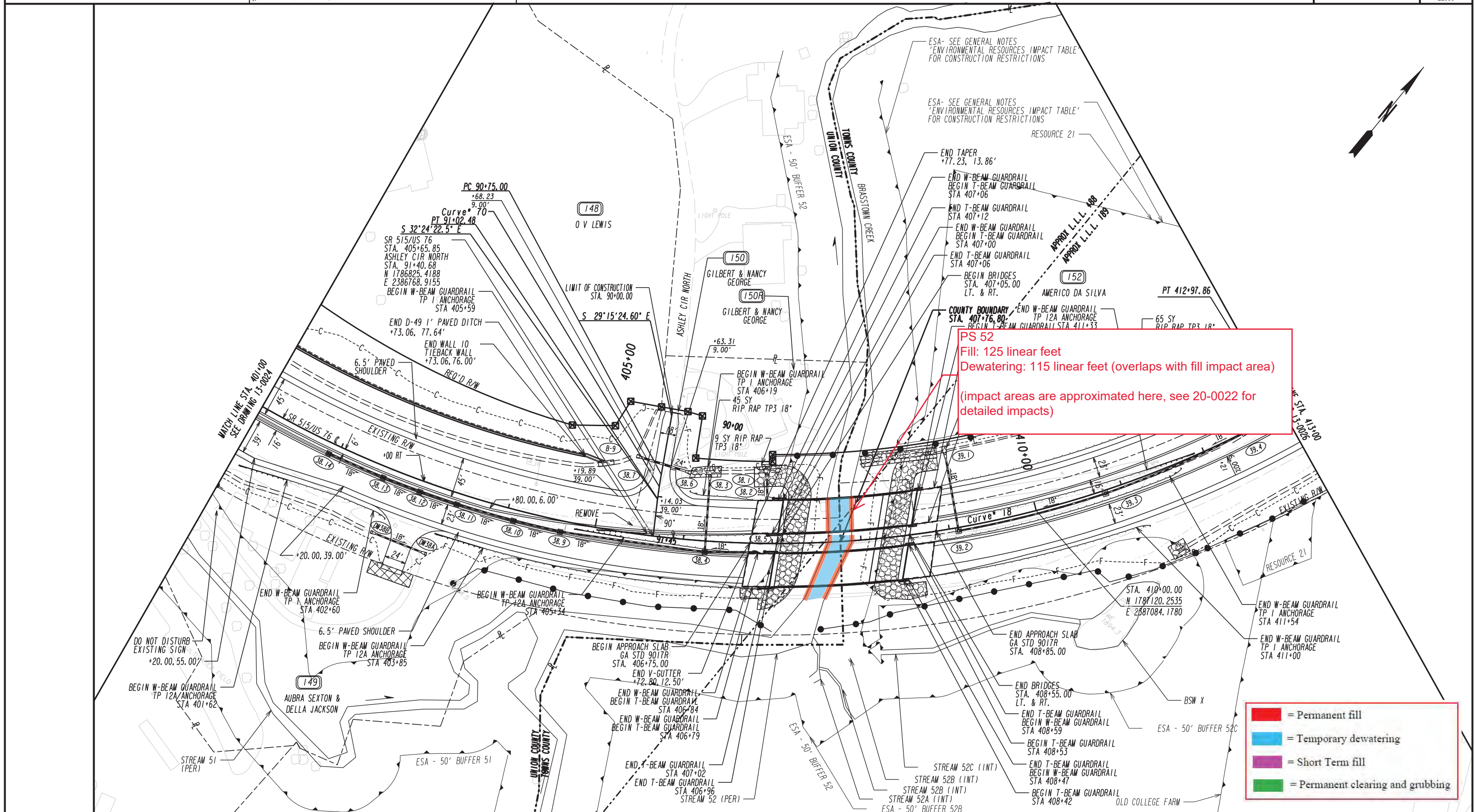
SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

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BACKCHECKED:
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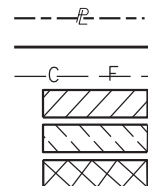
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DRAWING No.
13-0024

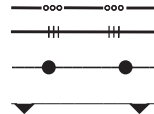
10/23/2015 GPLN



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 ERIT TABLE)



HNTB

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET



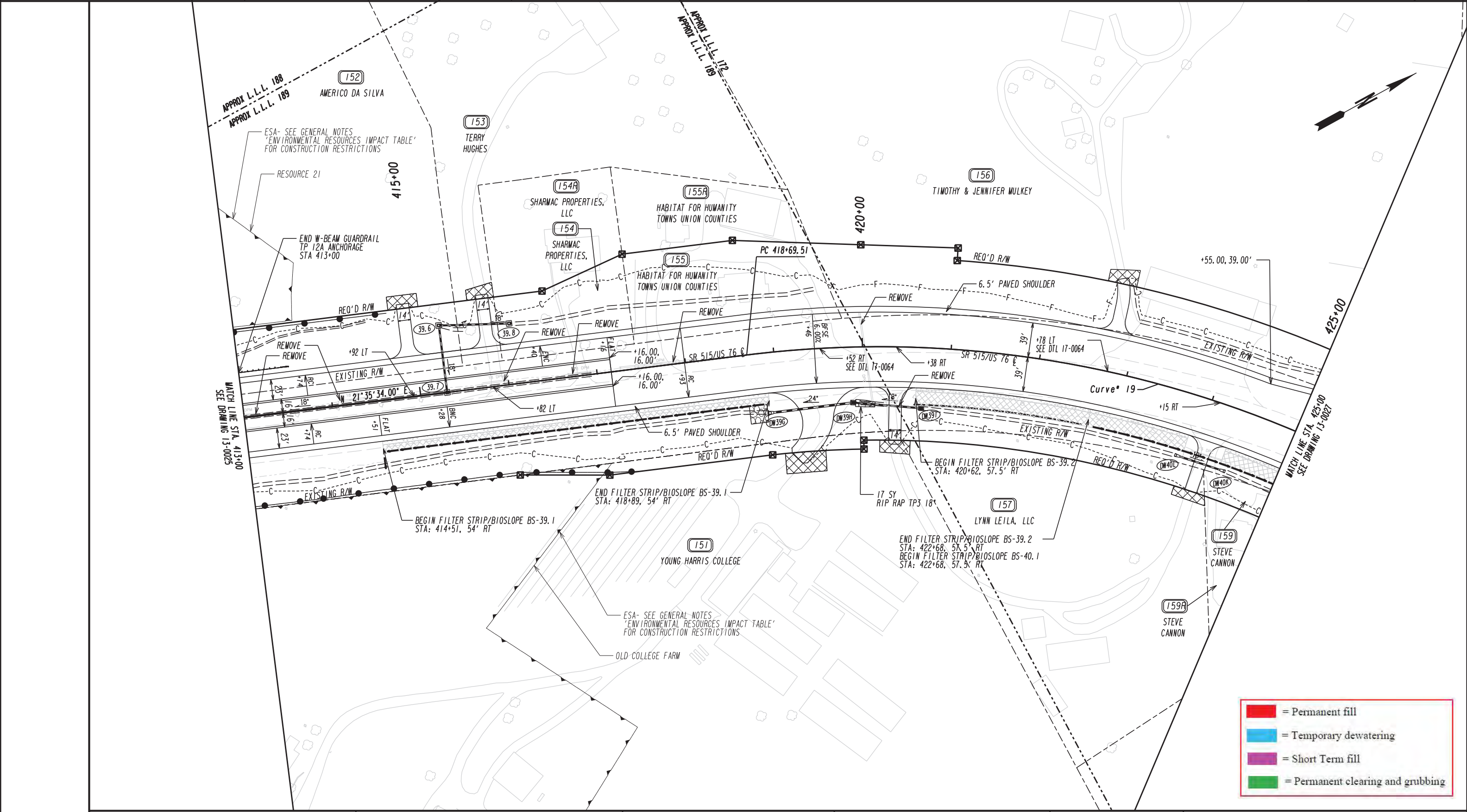
REVISION DATES

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CONSTRUCTION PLAN

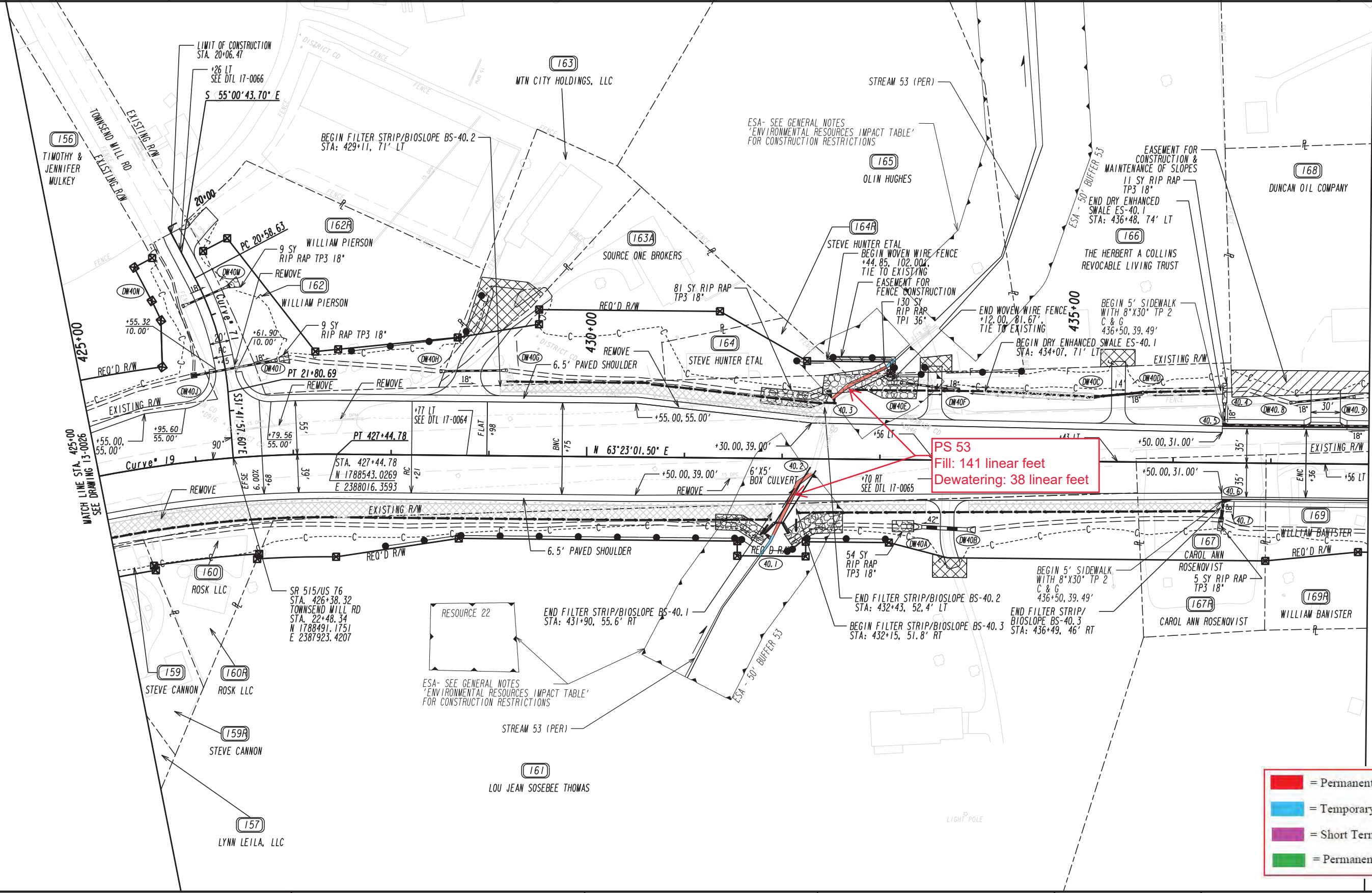
SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

CHECKED:	DATE:	DRAWING No. 13-0025
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



	= Permanent fill
	= Temporary dewatering
	= Short Term fill
	= Permanent clearing and grubbing

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 ERIT TABLE)	 19 PEACHTREE STREET, NE SUITE 3300 ATLANTA, GEORGIA 30303		REVISION DATES	CONSTRUCTION PLAN			
						SR 515/2/US 76 FROM BLAIRSVILLE TO YOUNG HARRIS			
						CHECKED: _____ DATE: _____	DRAWING No.		
						BACKCHECKED: _____ DATE: _____	13-0026		
						CORRECTED: _____ DATE: _____			
						VERIFIED: _____ DATE: _____			



= Permanent fill

= Temporary dewatering

= Short Term fill

= Permanent clearing and grubbing

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 ERIT TABLE)

HNTB

191PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET

0

50

100

200

REVISION DATES

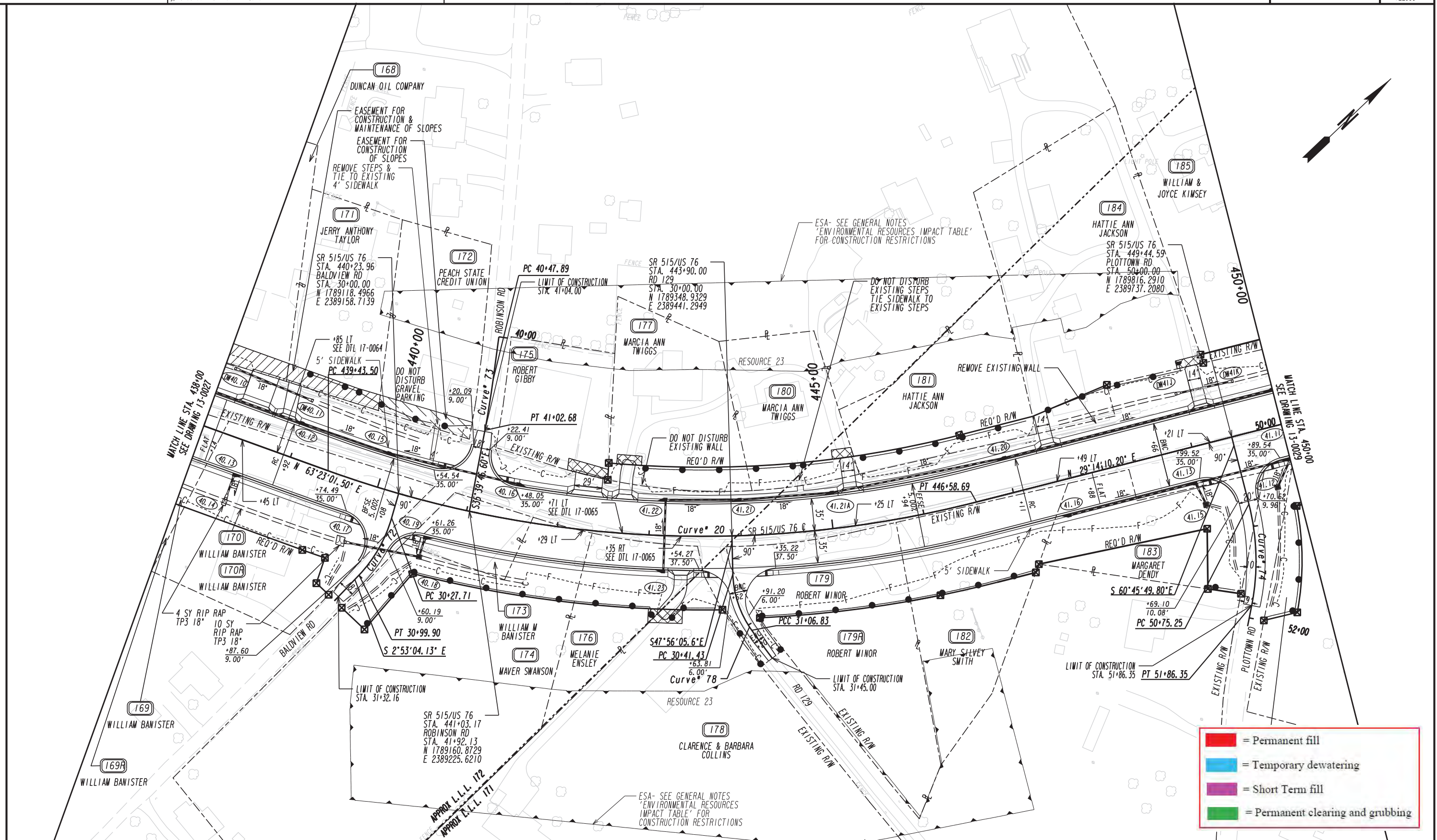
CONSTRUCTION PLAN

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

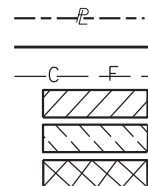
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13-0027

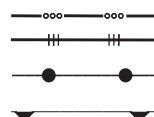
10/23/2015 GPLN



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 ERIT TABLE)

**HNTB**

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET



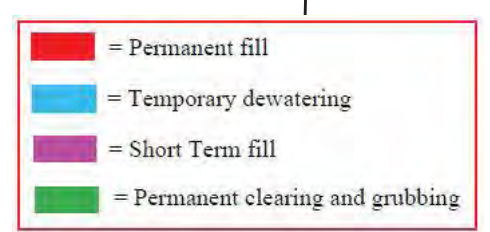
REVISION DATES

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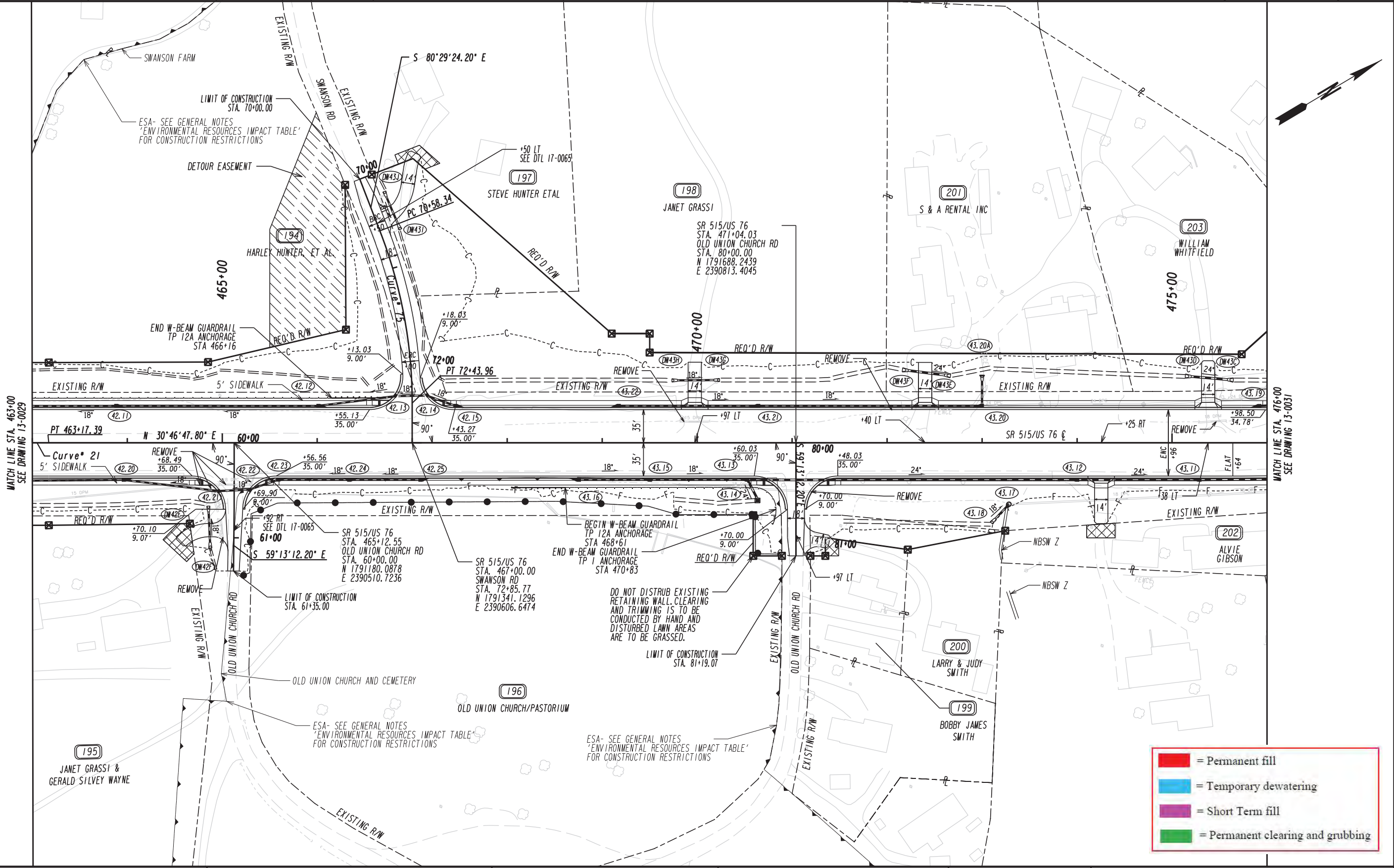
CONSTRUCTION PLAN

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

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CORRECTED:	DATE:	
VERIFIED:	DATE:	



CHECKED:	DATE:	DRAWING No. 13-0029
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCH LINE STA. 463+00
SEE DRAWING 13-0029

MATCH LINE STA. 476+00
SEE DRAWING 13-0031

= Permanent fill

= Temporary dewatering

= Short Term fill

= Permanent clearing and grubbing

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 ERIT TABLE)

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

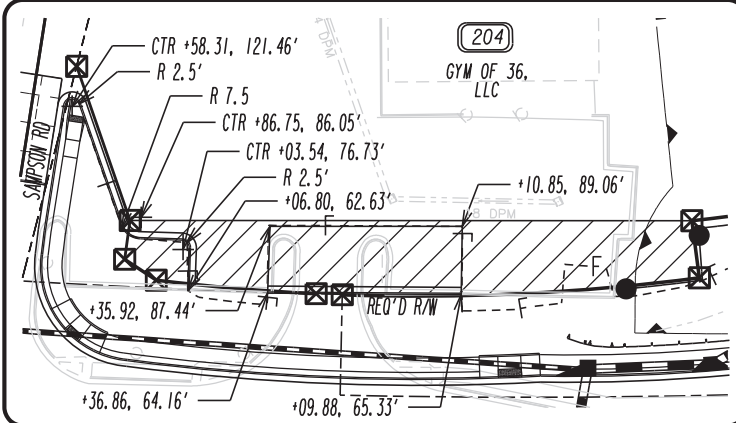
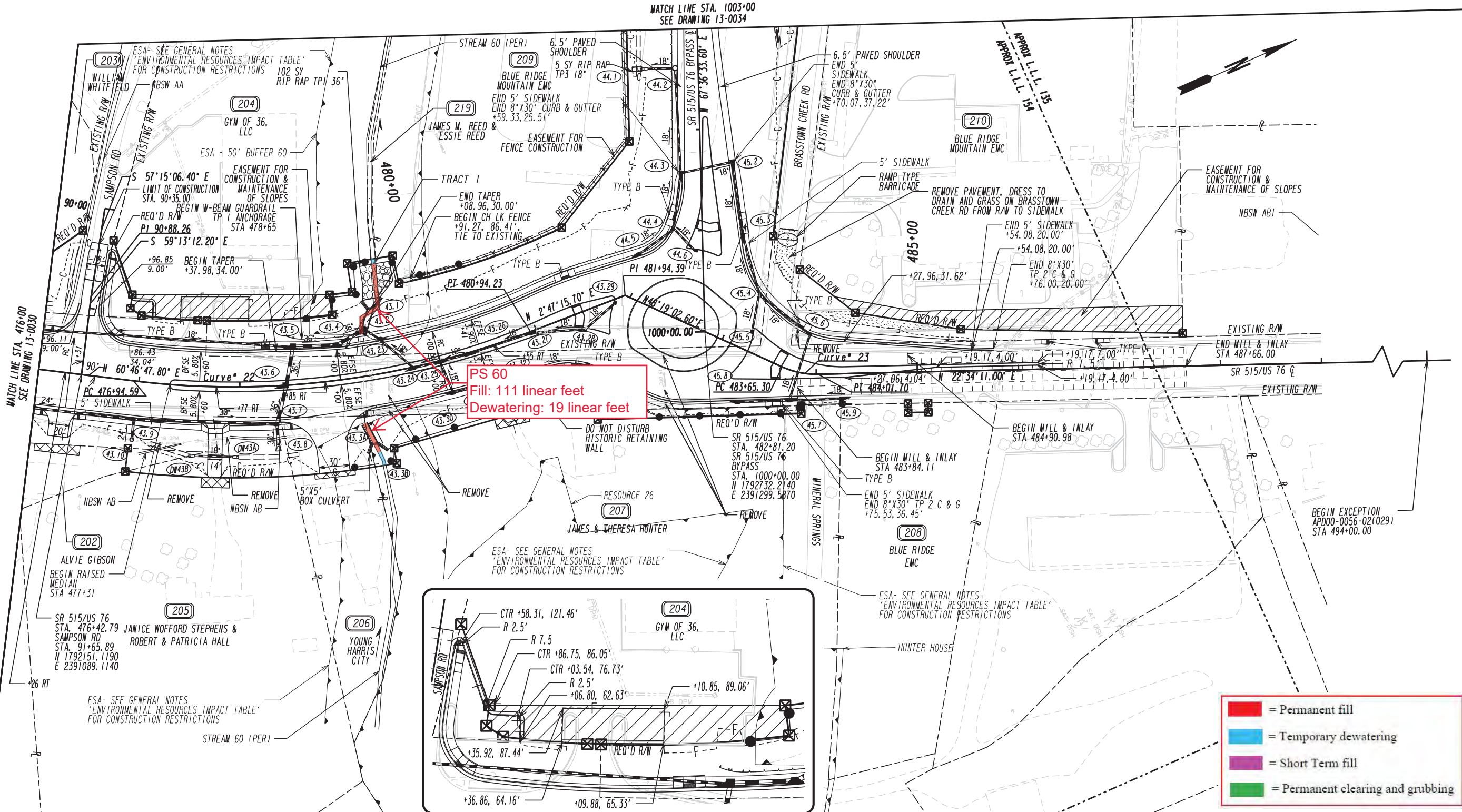
SCALE IN FEET

REVISION DATES

CONSTRUCTION PLAN

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

CHECKED:	DATE:	DRAWING NO.
BACKCHECKED:	DATE:	13-0030
CORRECTED:	DATE:	
VERIFIED:	DATE:	



- █ = Permanent fill
- █ = Temporary dewatering
- █ = Short Term fill
- █ = Permanent clearing and grubbing

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 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

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BACKCHECKED: _____

CORRECTED: _____

VERIFIED: _____

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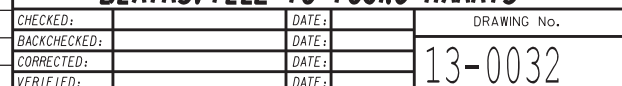
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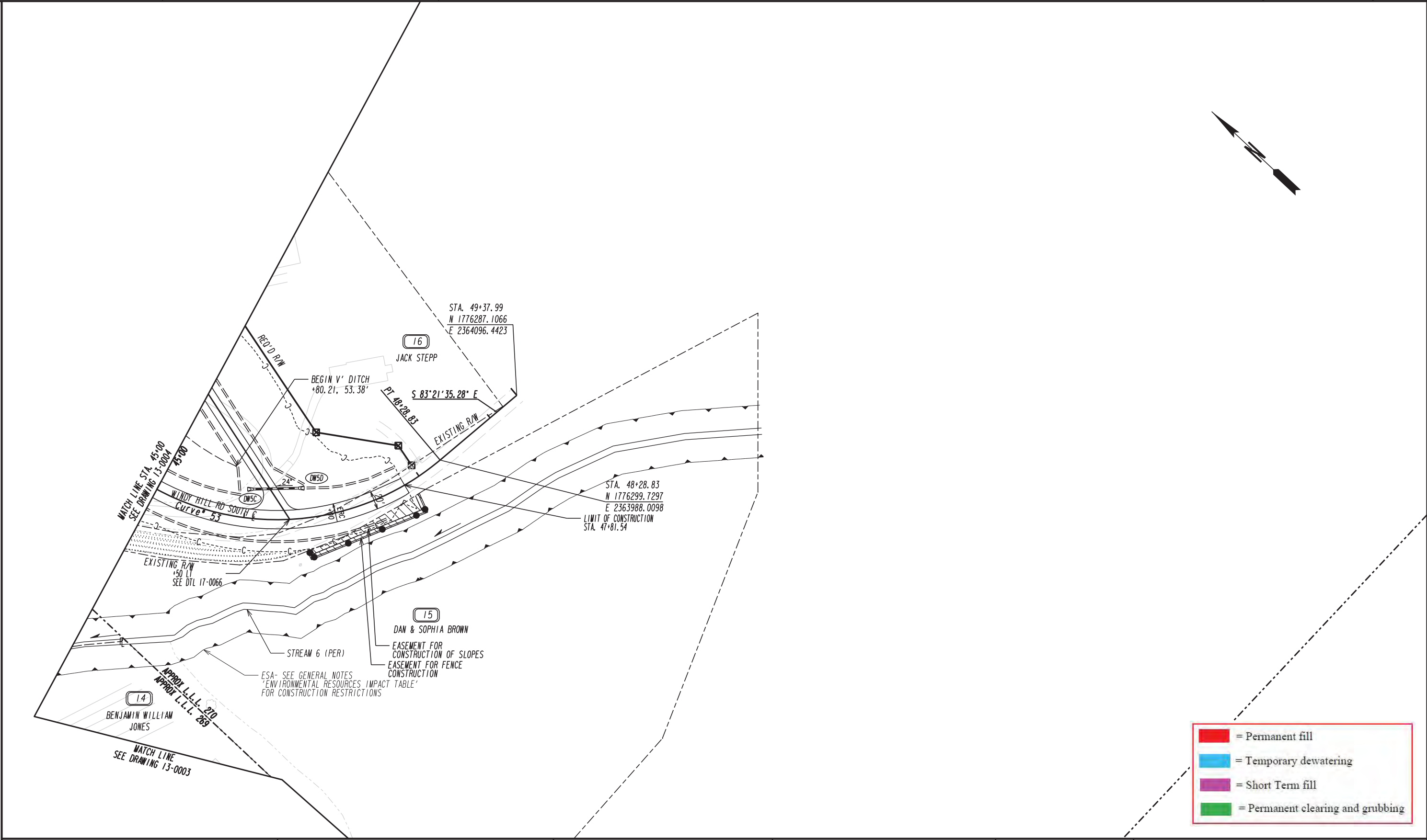
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DATE: _____

DRAWING No.

13-0031





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 ERIT TABLE)

HNTB

191PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET

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100

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REVISION DATES

CONSTRUCTION PLAN

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

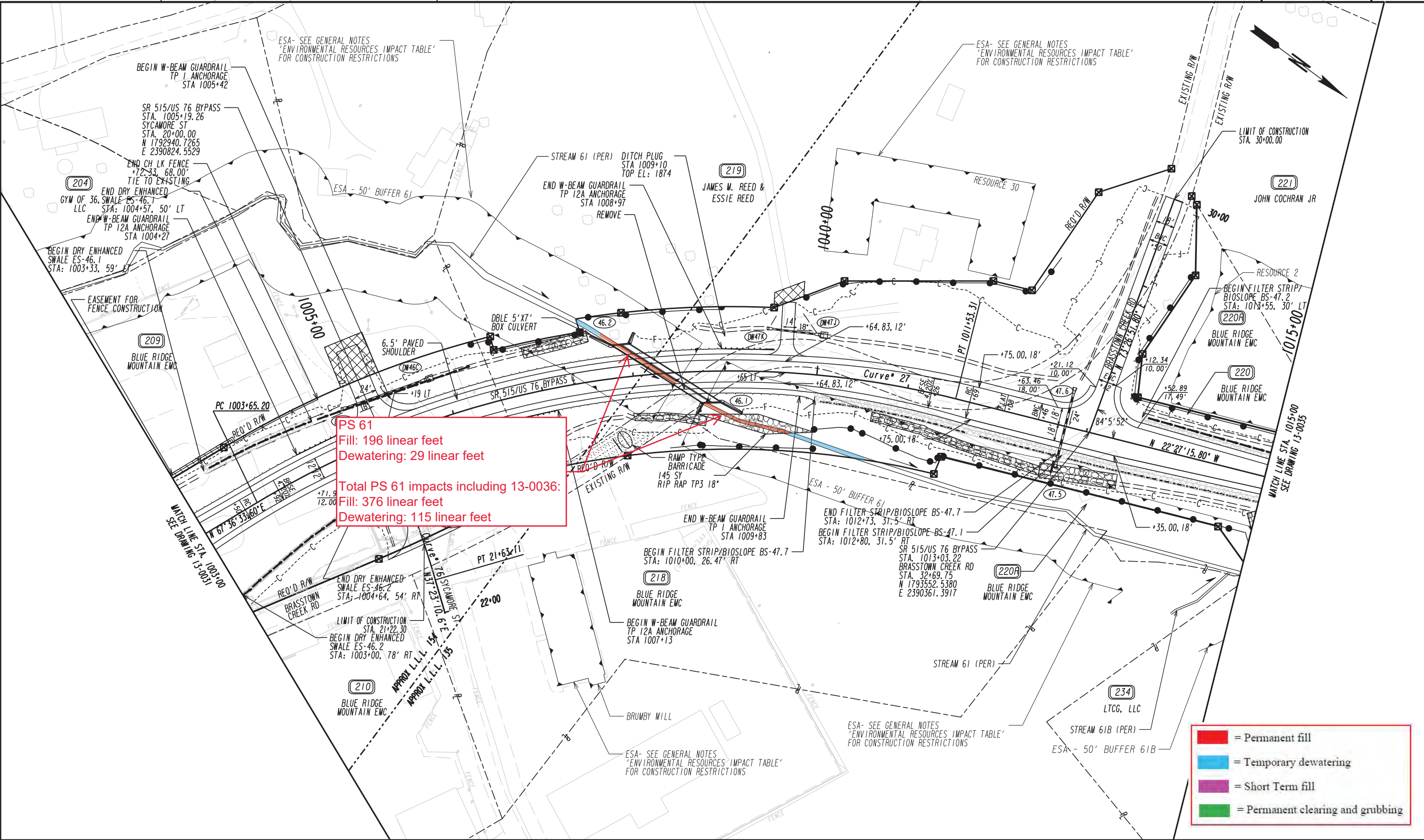
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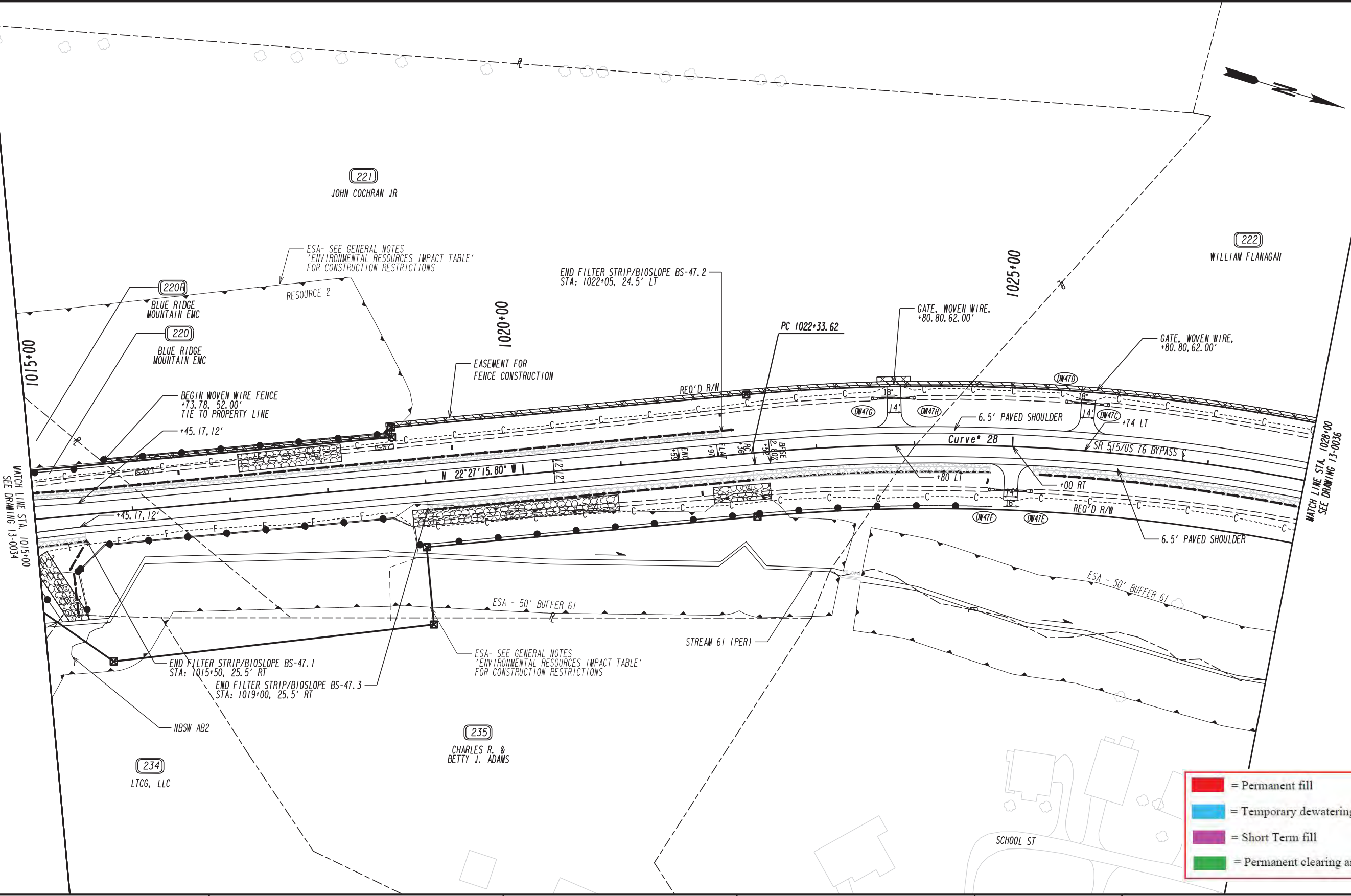
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DRAWING No.
13-0033

10/23/2015

GPLAN





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 ERIT TABLE)

HNTB

191PEACHTREE 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

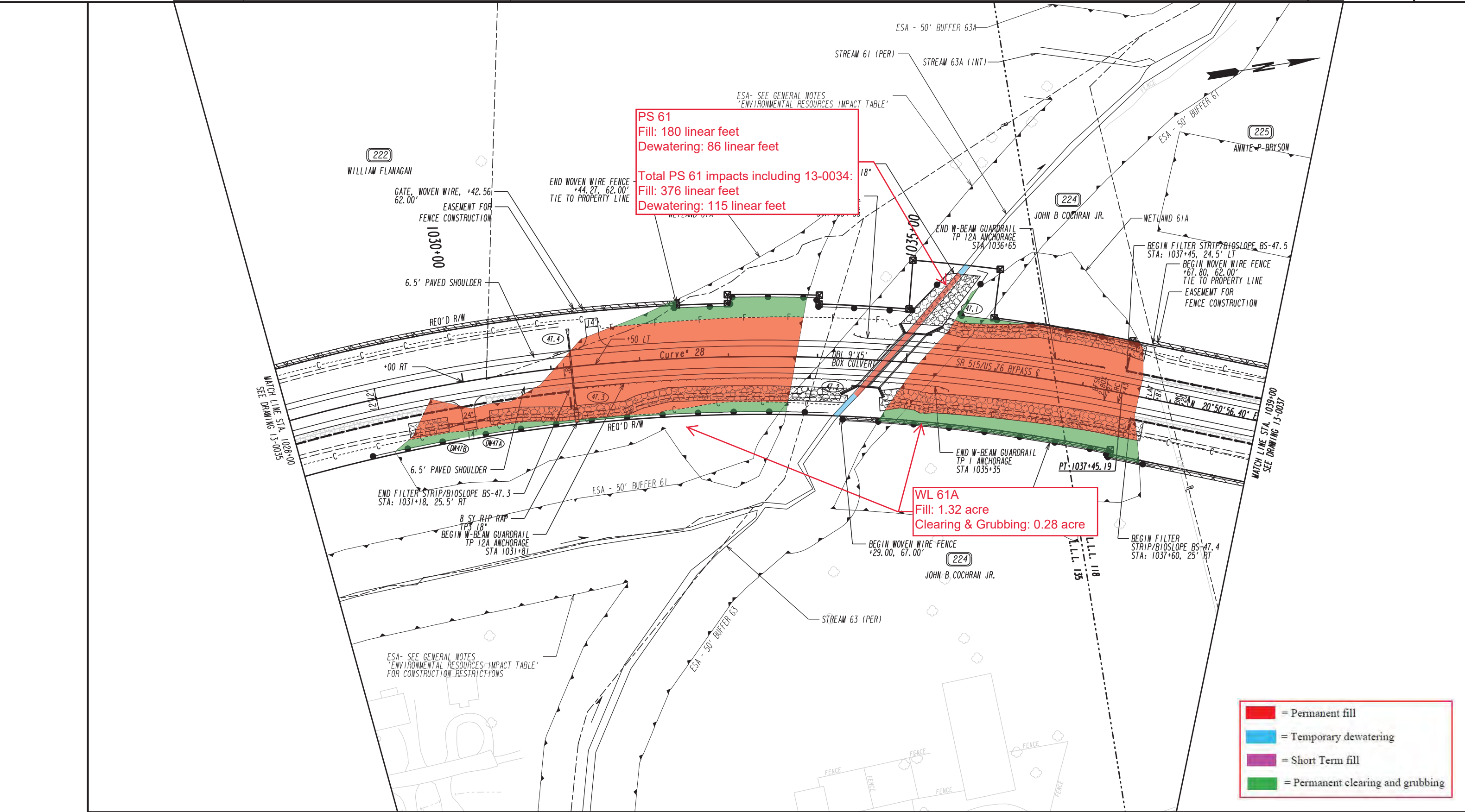
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VERIFIED:

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DATE:

DRAWING No.
13-0035

10/23/2015

GPLN



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---

---S---

---D---

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

---O---

---H---

---B---

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HNTB

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET

0 50 100 200

REVISION DATES

NO.	DATE	DESCRIPTION

CONSTRUCTION PLAN

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

CHECKED: DATE: DRAWING No.

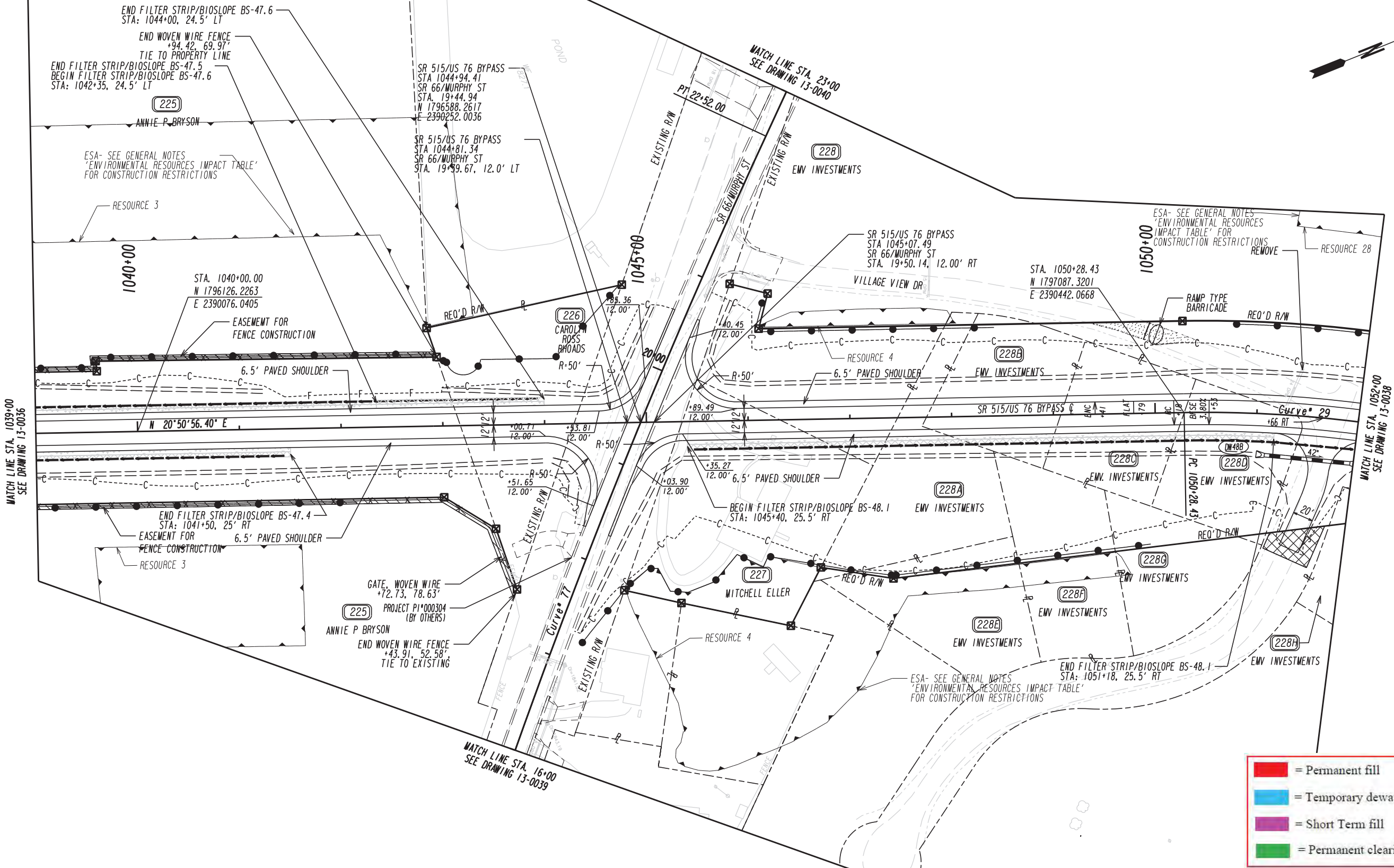
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13-0036

10/23/2015 GPLN



= Permanent fill

= Temporary dewatering

= Short Term fill

= Permanent clearing and grubbing

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 ERIT TABLE)

HNTB

191PEACHTREE 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:

BACKCHECKED:

CORRECTED:

VERIFIED:

DATE:

DATE:

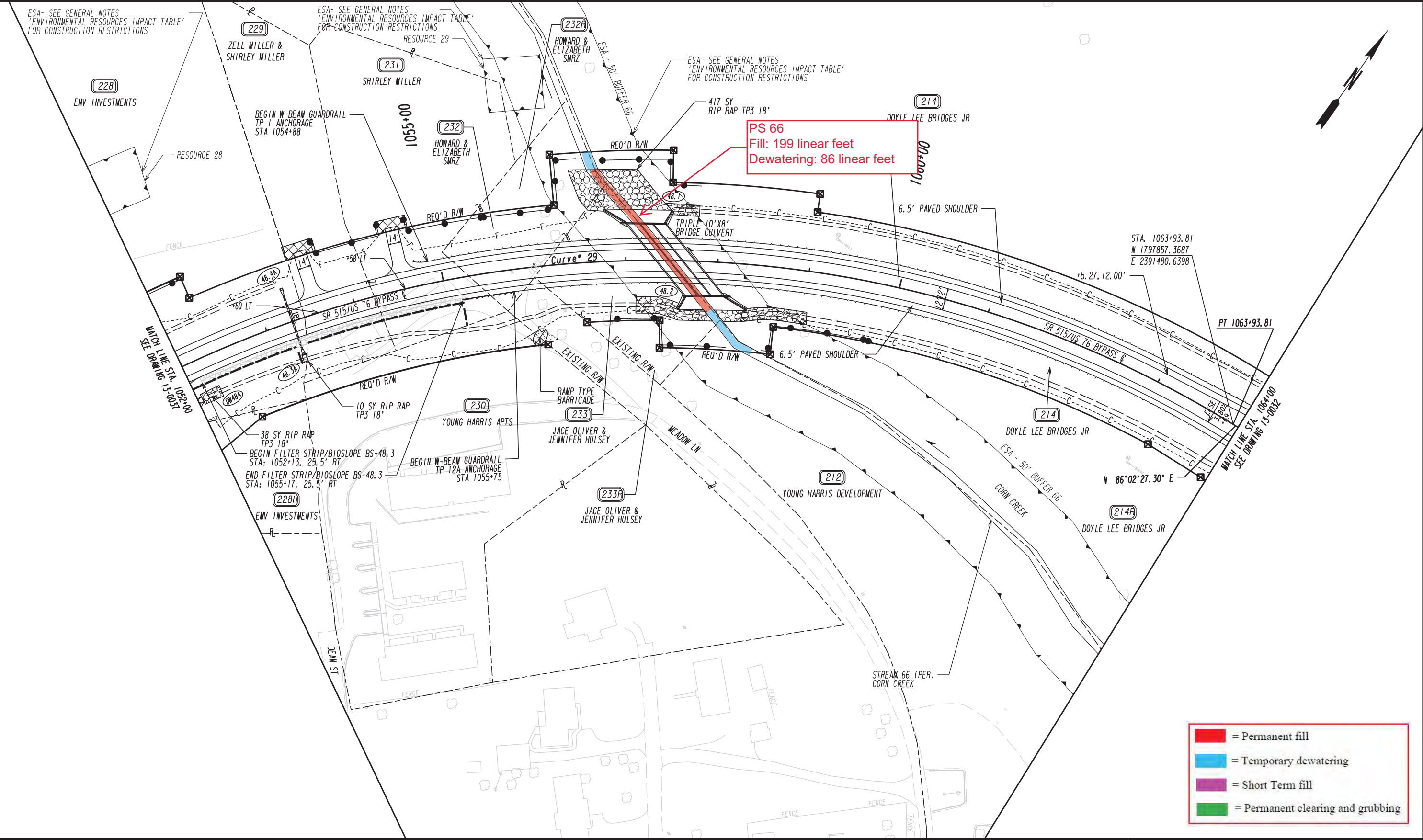
DATE:

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DRAWING No.
13-0037

10/23/2015

GPLAN



= Permanent fill

= Temporary dewatering

= Short Term fill

= Permanent clearing and grubbing

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 ERIT TABLE)

HNTB

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET
0 50 100 200

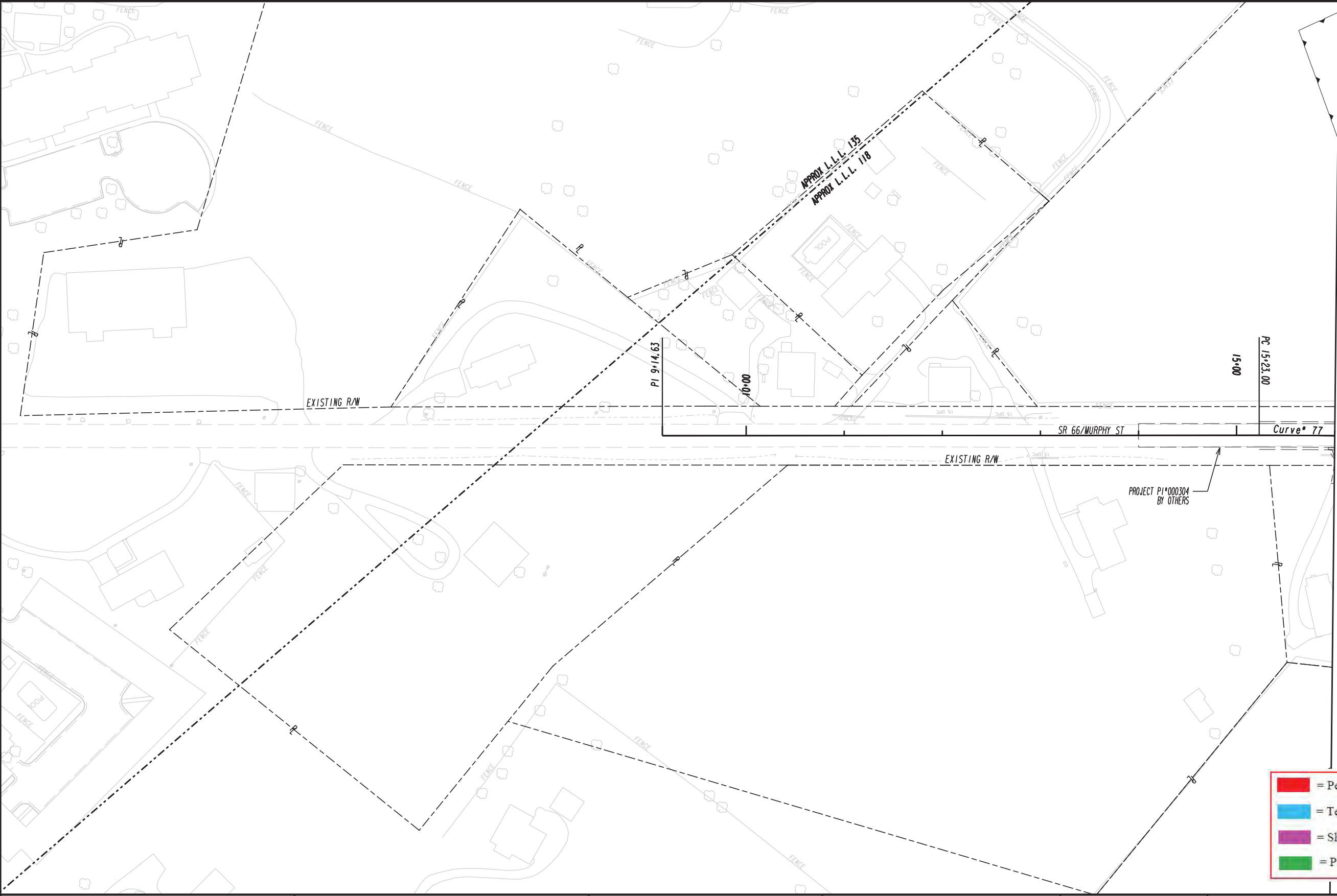
REVISION DATES

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

CHECKED: DATE: DRAWING No.
BACKCHECKED: DATE:
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VERIFIED: DATE:

13-0038

10/23/2015 GPLN



= Permanent fill

= Temporary dewatering

= Short Term fill

= Permanent clearing and grubbing

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
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(SEE ERIT TABLE)

HNTB

191PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET

0

50

100

200

REVISION DATES

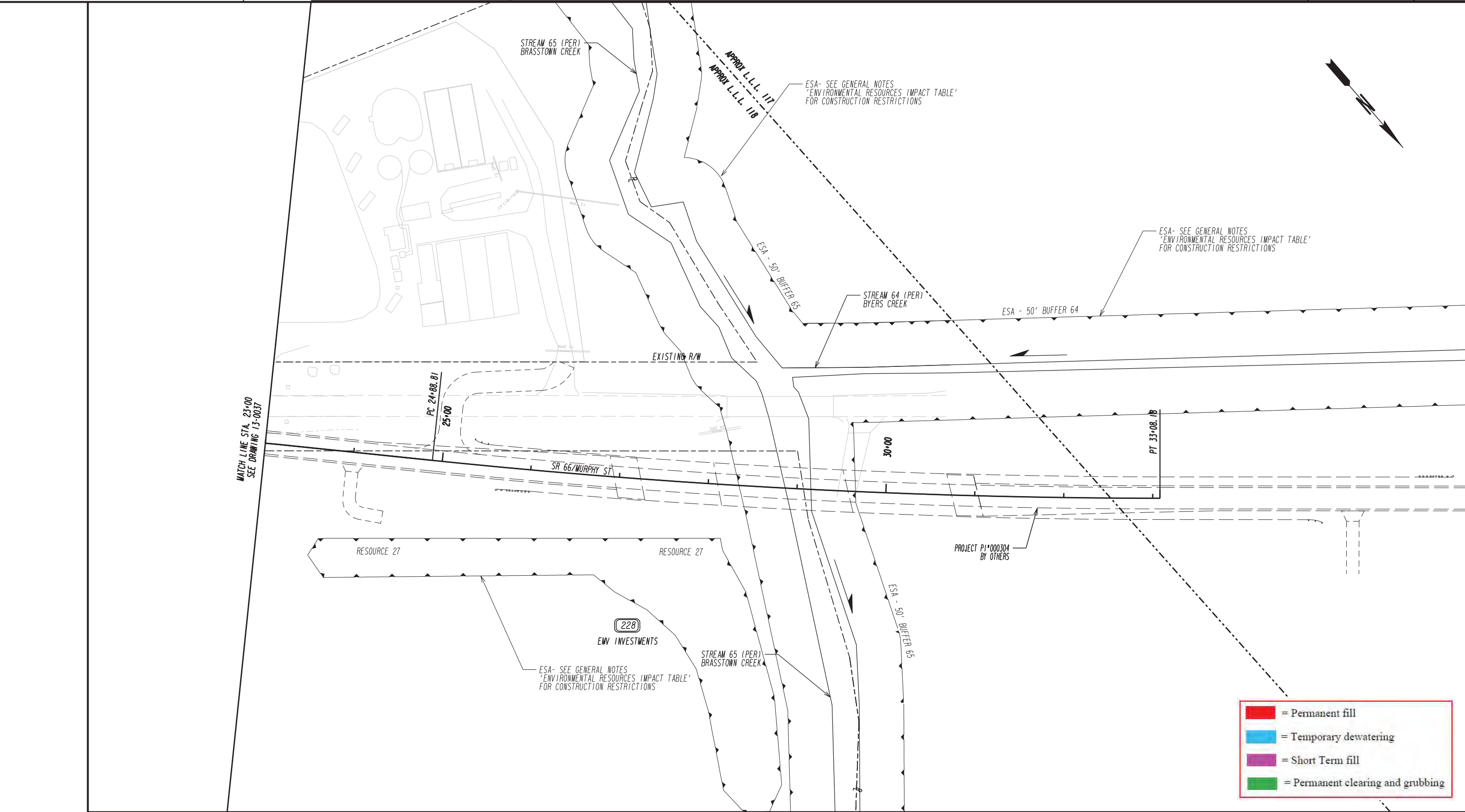
CONSTRUCTION PLAN

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

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VERIFIED:	DATE:	

10/23/2015

GPLN



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 ERIT TABLE)

HNTB

191PEACHTREE 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

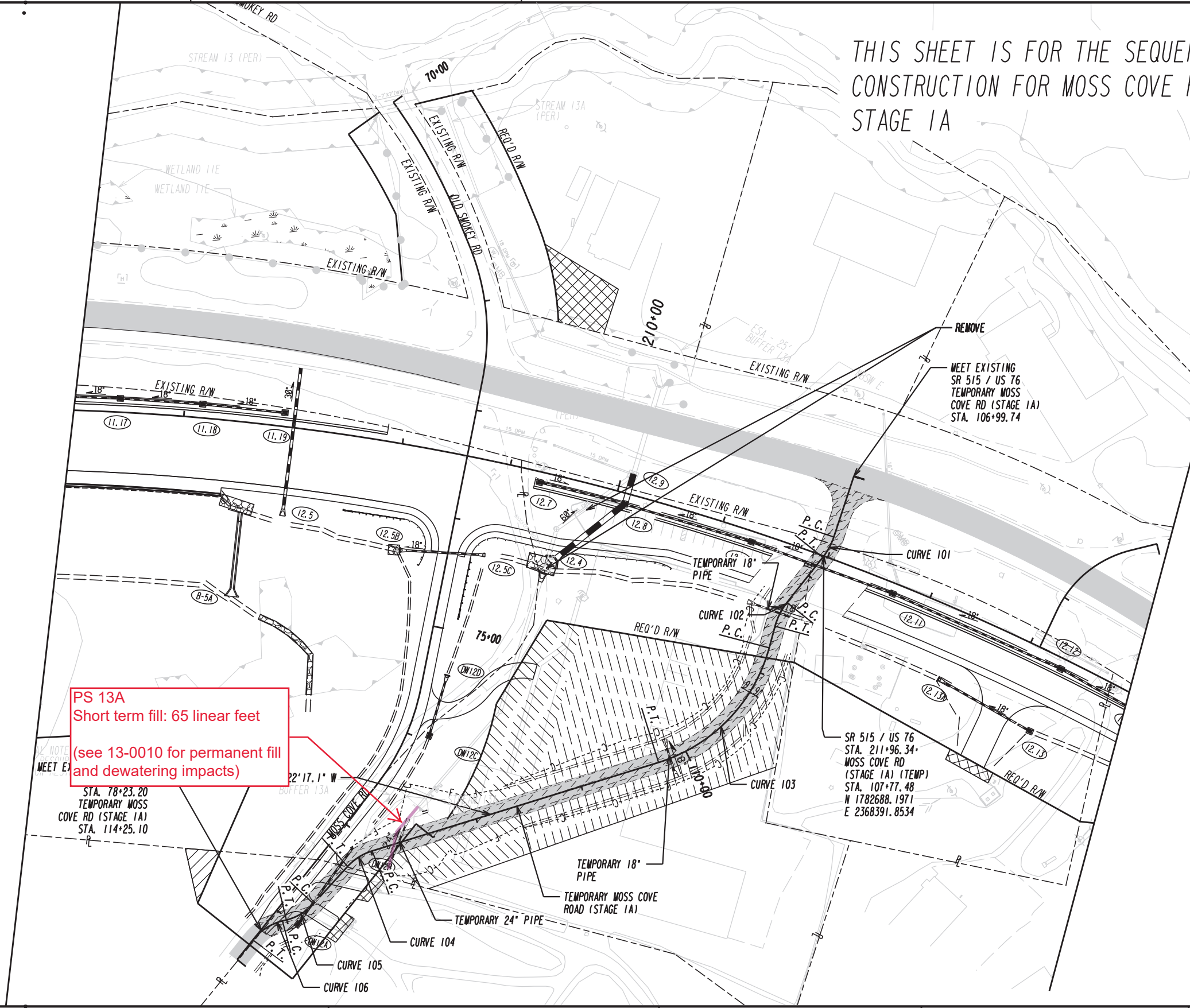
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DRAWING No.
13-0040

10/23/2015

GPLN



THIS SHEET IS FOR THE SEQUENCING OF
CONSTRUCTION FOR MOSS COVE ROAD
STAGE 1A

- NOTES:
- SEE DRAWING NO. 19.1-0041 FOR TEMPORARY MOSS COVE ROAD, STAGE 1A PROFILE.
 - SEE DRAWING NO. 19.1-0047 TO 19.1-0051 FOR TEMPORARY MOSS COVE RD, STAGE 1A CROSS SECTIONS.

LEGEND

PAVEMENT REMOVAL

TEMPORARY CONSTRUCTION PAVEMENT

PERMANENT CONSTRUCTION

CONCRETE MEDIAN CONSTRUCTION

MILL & INLAY CONSTRUCTION

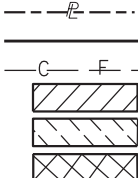
OPEN LANES OF TRAFFIC

- SEQUENCE OF CONSTRUCTION NOTES
MOSS COVE ROAD STAGE 1A
- MAINTAIN TRAFFIC ON MOSS COVE ROAD. INSTALL TEMPORARY PIPES REQUIRED FOR DRAINAGE.
 - CONSTRUCT TEMPORARY EMBANKMENT AND PAVEMENT FOR TEMPORARY MOSS COVE ROAD (STAGE 1A). WHERE POSSIBLE, USE EXISTING PARKING LOT GRADES AND PAVEMENT.
 - USING TEMPORARY LEVELING, CONSTRUCT ENTRANCES FOR DRIVEWAYS CONNECTING TO TEMPORARY MOSS COVE ROAD (STAGE 1A).
 - INSTALL ADEQUATE SIGNAGE AND PAVEMENT MARKINGS ON TEMPORARY MOSS COVE ROAD (STAGE 1A) PRIOR TO OPENING.
 - SHIFT TRAFFIC TO TEMPORARY MOSS COVE ROAD (STAGE 1A). INSTALL SIGNAGE AND TYPE III BARRICADES TO CLOSE OFF MOSS COVE ROAD AND DIRECT TRAFFIC TO TEMPORARY MOSS COVE ROAD.
 - CONSTRUCT PROPOSED SR 515 EASTBOUND LANES EXCEPT BETWEEN STATIONS 211+30 AND 212+40.
 - CONSTRUCT MOSS COVE ROAD.
 - UPON THE COMPLETION OF STAGE 1, SHIFT TRAFFIC TO MOSS COVE ROAD.
 - CONSTRUCT PROPOSED SR 515 EASTBOUND LANES BETWEEN STATIONS 211+30 AND 212+40.
 - REMOVE TEMPORARY MOSS COVE ROAD AND TEMPORARY DRAINAGE PIPES. RESTORE TO PREVIOUS CONDITION.

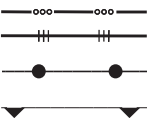
GEOMETRY FOR TEMPORARY MOSS COVE RD STAGE 1A

Curve* 101 PI Sta* 107+68.51 N* 1782697.2260 E* 2368390.1080 DELTA* 20°08'15.6" (RT) D* 95°29'34.68" T* 10.65 L* 21.09 R* 60.00 E* 0.94 PC Sta* 107+57.85 PT Sta* 107+78.94	Curve* 102 PI Sta* 108+43.65 N* 1782623.2630 E* 2368404.5539 DELTA* 23°11'34.4" (LT) D* 95°29'34.68" T* 12.31 L* 24.29 R* 60.00 E* 1.25 PC Sta* 108+31.33 PT Sta* 108+55.62	Curve* 103 PI Sta* 109+58.41 N* 1782528.1120 E* 2368469.3260 DELTA* 57°36'56.6" (RT) D* 38°11'49.87" T* 82.49 L* 150.84 R* 150.00 E* 21.19 PC Sta* 108+75.92 PT Sta* 110+26.76
Curve* 104 PI Sta* 113+12.40 N* 1782190.1902 E* 2368323.2943 DELTA* 30°21'57.7" (LT) D* 114°35'29.61" T* 13.57 L* 26.50 R* 50.00 E* 1.81 PC Sta* 112+98.83 PT Sta* 113+25.33	Curve* 105 PI Sta* 113+86.29 N* 1782116.2188 E* 2368332.3698 DELTA* 33°21'28.5" (RT) D* 114°35'29.61" T* 14.98 L* 29.11 R* 50.00 E* 2.20 PC Sta* 113+71.31 PT Sta* 114+00.42	Curve* 106 PI Sta* 114+20.86 N* 1782084.4817 E* 2368316.6407 DELTA* 37°12'45.6" (LT) D* 114°35'29.61" T* 16.83 L* 32.47 R* 50.00 E* 2.76 PC Sta* 114+04.02 PT Sta* 114+36.50

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 ERIT TABLE)



HNTB

19 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

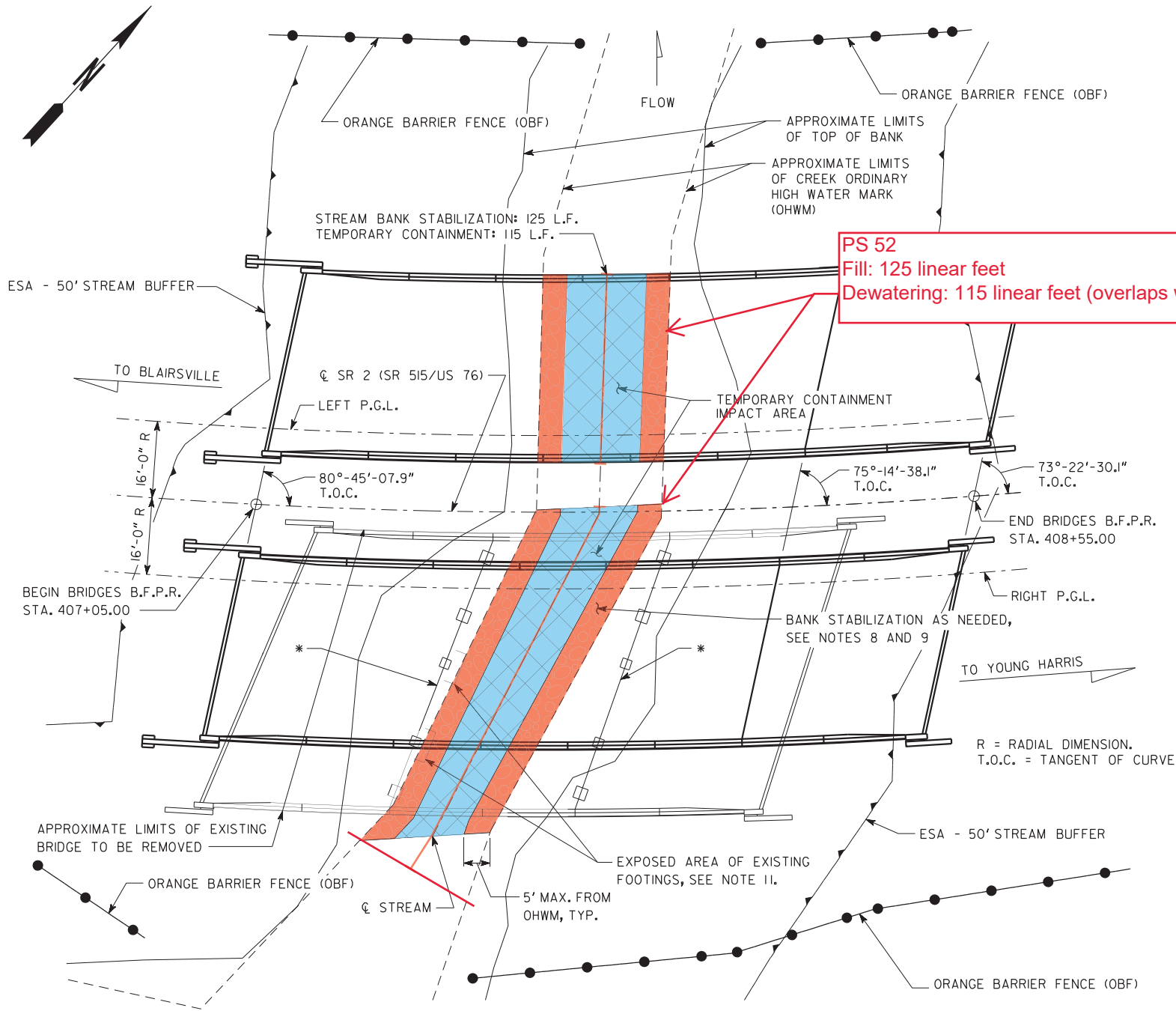


REVISION DATES

CONSTRUCTION STAGING PLAN
MOSS COVE ROAD STAGE 1A
SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

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

19.1-0009A



NOTES:

1. THE WIDTH OF EACH TEMPORARY WORK STRUCTURE TIE-IN TO THE STREAM BANK SHALL NOT EXCEED 25 FEET. A TEMPORARY WORK BRIDGE IS NOT ANTICIPATED AT THIS LOCATION.
2. TEMPORARY CONTAINMENT AREA SHALL ONLY BE CONSTRUCTED IF NECESSARY TO DE-WATER PERMITTED WORK AREA BASED ON WATER SURFACE ELEVATION AT TIME WORK IS BEING PERFORMED. ALL WORK MUST BE CONTAINED WITHIN THE PERMITTED ACCESS AREA WHETHER TEMPORARY CONTAINMENT AREA IS REQUIRED OR NOT. IF TEMPORARY CONTAINMENT AREA IS REQUIRED IT SHALL BE CONSTRUCTED TO A MAXIMUM HEIGHT OF 4 FEET OR 1 FOOT ABOVE WATER SURFACE ELEVATION AT THE TIME WORK IS BEING PERFORMED.
3. SEASONAL RESTRICTIONS APPLY. STREAM ACCESS SHALL ONLY OCCUR FROM JUNE 16 THROUGH AUGUST 14 AND NOVEMBER 16 THROUGH MARCH 14. ALL WORK WITHIN A SINGLE DE-WATERED STREAM BED AREA INCLUDING REMOVAL OF THE TEMPORARY CONTAINMENT AREAS MUST BE COMPLETED WITHIN A 2 WEEK PERIOD AND PRIOR TO THE END OF AUTHORIZED STREAM ACCESS PERIODS.
4. ADDITIONAL REQUIREMENTS FOR STREAM ACCESS APPLY. SEE SECTION 107 OF THE SPECIAL PROVISIONS.
5. ALL MATERIAL AND EQUIPMENT USED FOR THE TEMPORARY CONTAINMENT AREAS SHALL BE REMOVED AT THE CONCLUSION OF IN STREAM WORK.
6. NO UNCURED CEMENTITIOUS MATERIAL OR COMPACTED FILL SHALL BE USED IN TEMPORARY CONTAINMENT AREA.
7. LOCATIONS OF TOP OF BANK, ORDINARY HIGH WATER MARK, AND ESA - 50' STREAM BUFFER ARE APPROXIMATE. CONSULT ROADWAY PLANS FOR EXACT LOCATION.
8. EXISTING BRIDGE RIP-RAP SHALL REMAIN IN PLACE. WHERE EXISTING BRIDGE RIP-RAP IS DISTURBED, IT SHALL BE REPLACED AT THE CONCLUSION OF IN-STREAM WORK.
9. PERMANENT AND TEMPORARY STABILIZATION MEASURES (E.G., RIPRAP) ARE ALLOWED ONLY WITHIN THE PERMITTED ACCESS AREAS ALONG THE STREAMBANK, UNLESS OTHERWISE SHOWN ON PLANS. BANK STABILIZATION SHALL BE LIMITED TO A MAXIMUM OF FIVE FEET OUTSIDE THE TOP OF BANK WHEN APPLIED. BANK STABILIZATION SHALL BE USED ONLY WHERE NEEDED AND MINIMIZED TO THE GREATEST EXTENT PRACTICABLE.
10. NO MORE THAN 33% OF THE STREAM WIDTH SHALL BE OBSTRUCTED AT ANY GIVEN TIME. TEMPORARY JETTIES WITHIN STREAM ESA'S ARE NOT PERMITTED AT THIS LOCATION. FILL AND/OR TEMPORARY WORK STRUCTURES (E.G., COFFERDAMS, DEBRIS CONTAINMENT STRUCTURES, ETC.) SHALL BE STAGED ACCORDINGLY.
11. LIMITS OF EXISTING FOOTINGS EXPOSED ARE APPROXIMATE. CONTRACTOR SHALL VERIFY IN THE FIELD AND REMOVE ANY SECTIONS OF EXISTING FOOTING THAT ARE EXPOSED.

 = Permanent fill
 = Temporary dewatering

*

DENOTES EXISTING BENT WITHIN STREAM TO BE REMOVED. EXISTING BENTS SHALL BE CUT OFF AT THE SUBSTRATE LEVEL.



DENOTES PERMITTED AREA FOR TEMPORARY CONTAINMENT IMPACT.



DENOTES PERMITTED AREA FOR BANK STABILIZATION.

HNTB

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE IN FEET
0 15 30 60

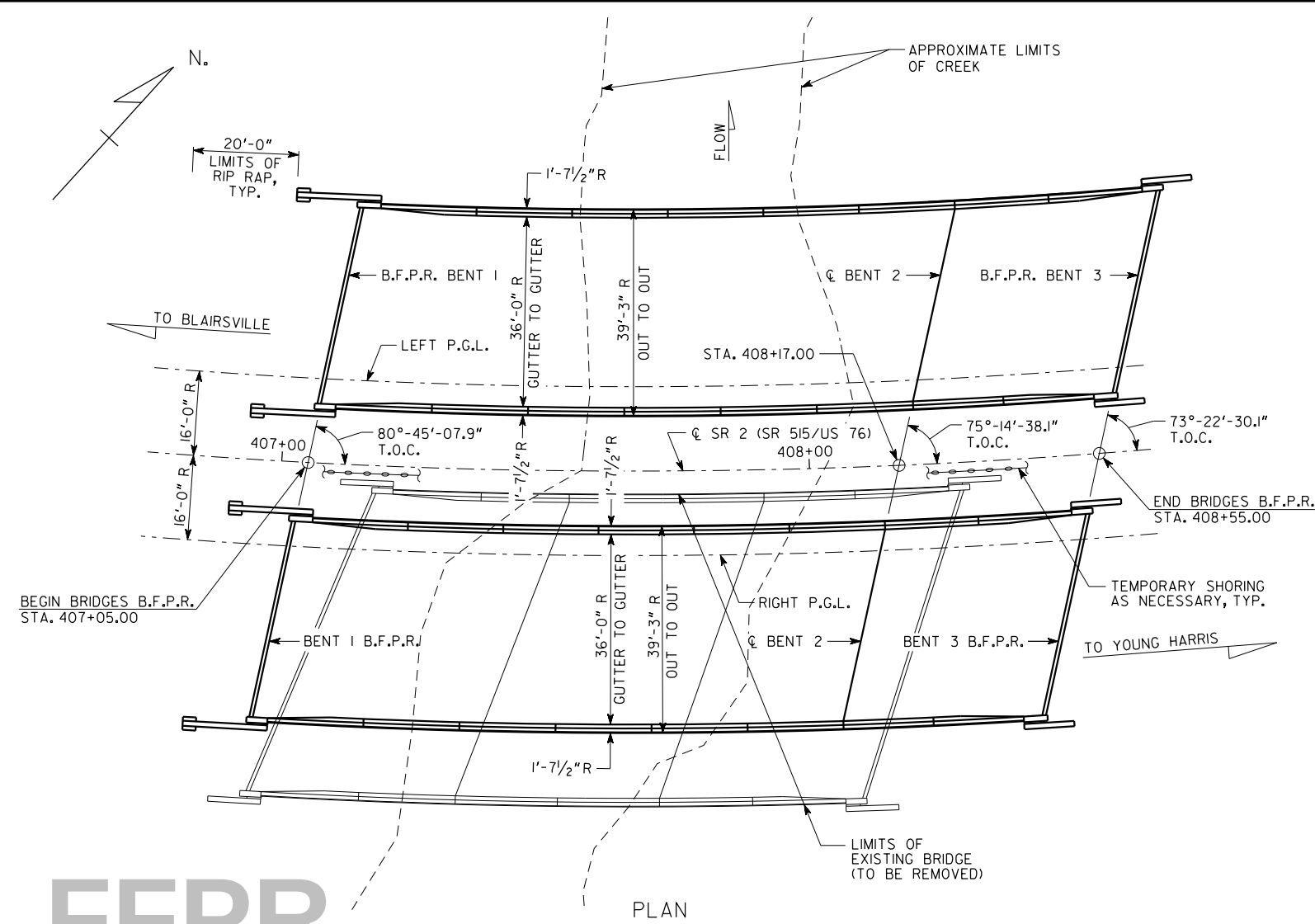
REVISION DATES

STAGING DETAILS
PERMITTED ACCESS FOR BRIDGE CONSTRUCTION

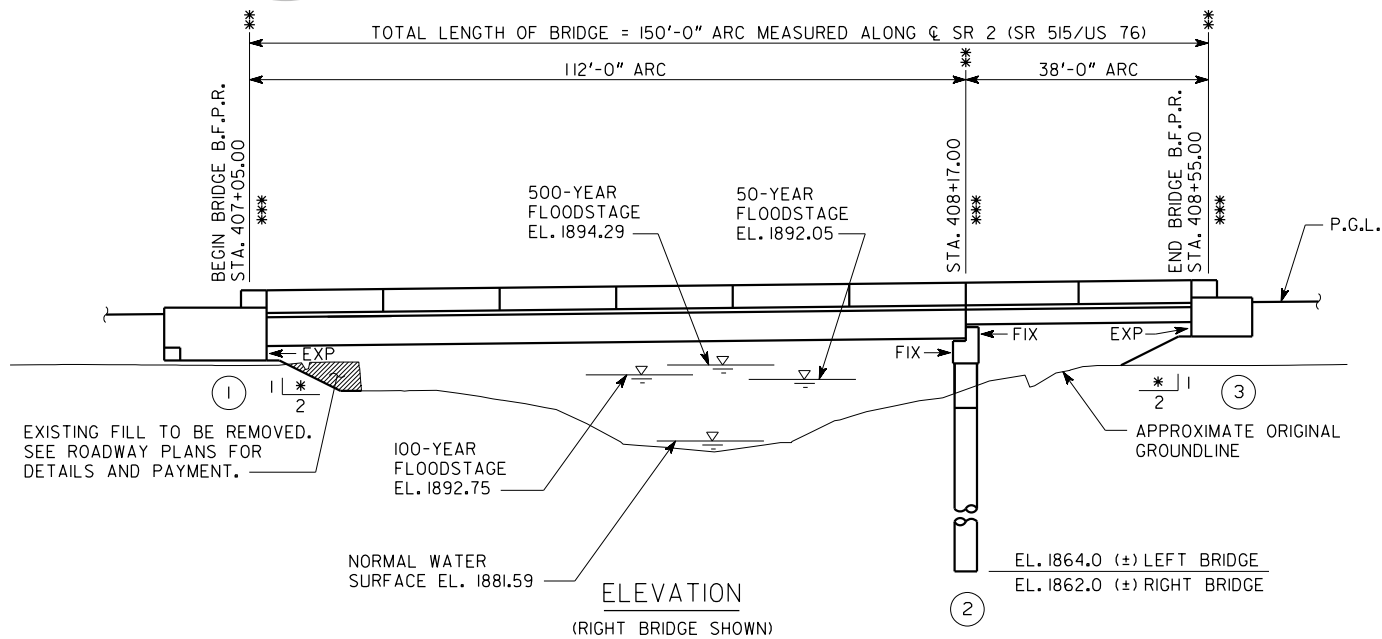
SR 515/2/US 76 FROM
BLAIRSVILLE TO YOUNG HARRIS

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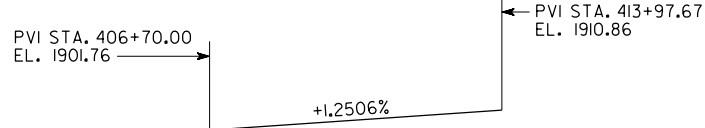


FFPR PLANS



ELEVATION DATA		
LOCATION	LEFT P.G.L. STATIONS	LEFT P.G.L. ELEVATIONS
BEGIN BRIDGE B.F.P.R.	407+07.64	1902.23
BENT 2	408+21.28	1903.65
END BRIDGE B.F.P.R.	408+59.85	1904.13
LOCATION	RIGHT P.G.L. STATIONS	RIGHT P.G.L. ELEVATIONS
BEGIN BRIDGE B.F.P.R.	407+02.43	1902.17
BENT 2	408+12.84	1903.55
END BRIDGE B.F.P.R.	408+50.29	1904.01

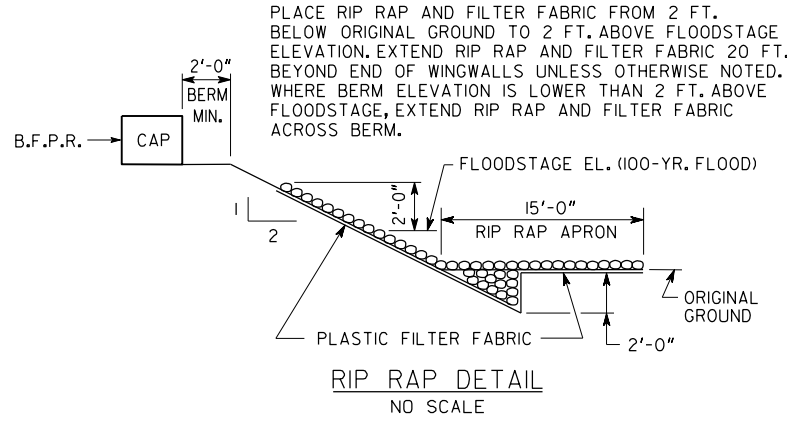
- NOTES:
- END BENT PILES NOT SHOWN.
 - ALL BENTS ARE PARALLEL TO BENT 2.
 - ARC = ARC DIMENSION
 - R = RADIAL DIMENSION
 - T.O.C. = TANGENT OF CURVE
 - *6. NORMAL TO END BENTS.
 - **7. STATIONS ARE ALONG C SR 2 (SR 515/US76). ELEVATIONS ARE ALONG PROFILE GRADE LINE AT THE INTERSECTION OF PROFILE GRADE LINE AND B.F.P.R. OR C BENT.
 - ***9. SEE ELEVATION TABLE.



GRADE DATA

CURVE 18
P.I. STA. 406+92.60
N = 1786628.01
E = 2386930.08
Δ = 69°-33'-21.5" LT.
D = 4°-55'-05.13"
T = 809.03'
L = 1414.29'
R = 1165.00'
E = 253.36'
S.E. = 6.00%

HORIZONTAL CURVE DATA



EXISTING BRIDGE SERIAL NO. 291-0007-0
EXISTING BRIDGE I.D. NO. 291-00515D-015.59N
PROJECT P.I. NO. 122900-

BRIDGE NO. 1 LT & RT.



191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

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

PLAN AND ELEVATION
SR 2 (SR 515 AND US 76)
OVER BRASSTOWN CREEK
UNION -
TOWNS COUNTIES APD00-0056-02(029)

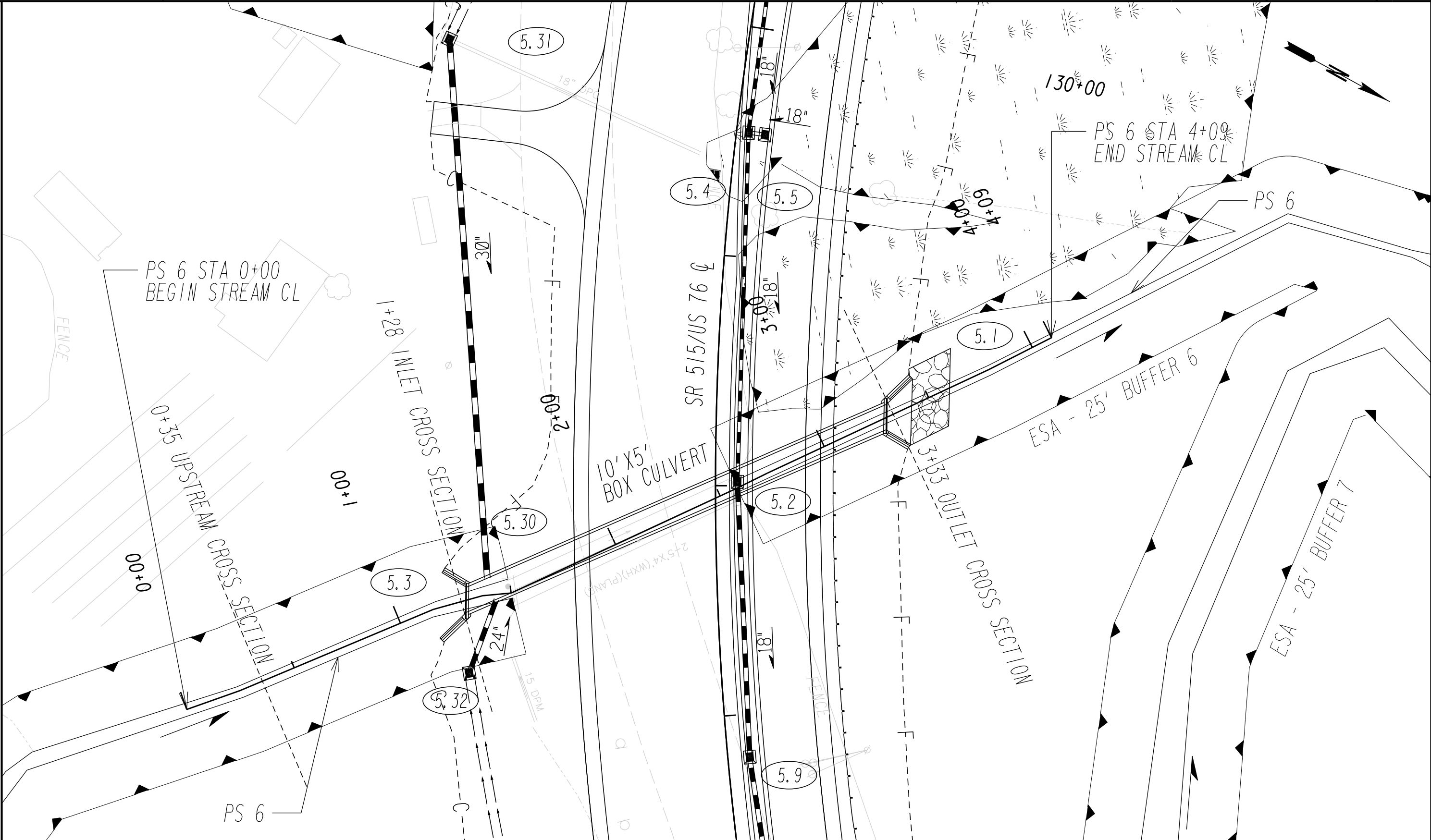
SCALE: 1" = 15'-0" UNLESS NOTED OTHERWISE SEPTEMBER 2021



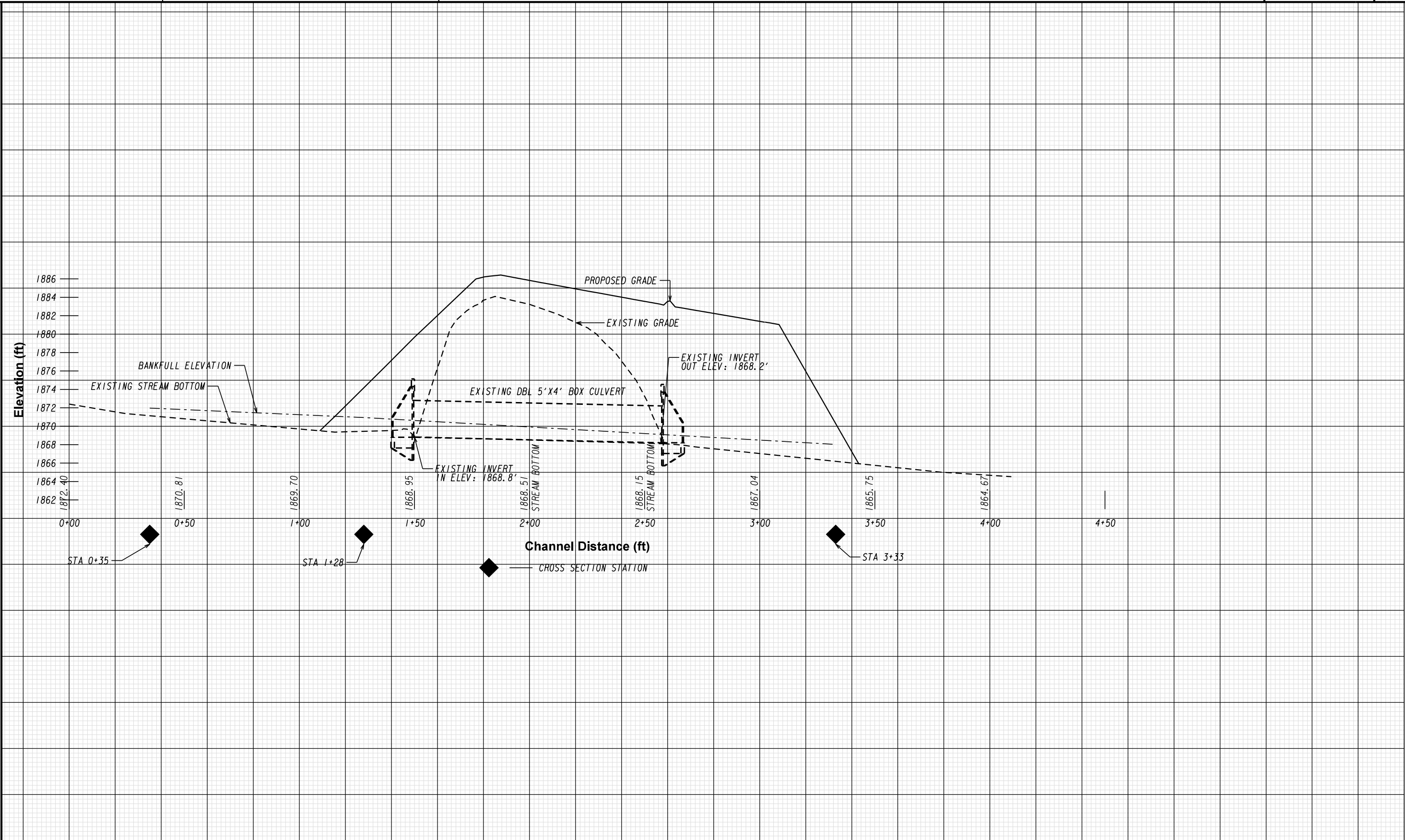
DRAWING NO. 35-0001
BRIDGE SHEET 1 OF 20

DESIGNED JMV/KMK
DRAWN CAG
CHECKED SVD
DESIGN GROUP JRT
REVIEWED SKG/DLC
APPROVED DPD

PERENNIAL STREAM 6: SHEET 39-0001: PS 6 TABLE OF CONTENTS SHEET 39-0002: PS 6 PLAN VIEW SHEET 39-0003: PS 6 EXISTING LONGITUDINAL PROFILE OF STREAM SHEET 39-0004: PS 6 COPY OF DRAINAGE PROFILE (CULVERT 5.1/5.3) SHEET 39-0005: PS 6 STREAM INLET AND OUTLET CROSS SECTIONS SHEET 39-0006: PS 6 STREAM UPSTREAM REFERENCE CROSS SECTION									
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HNTB 191 PEACHTREE STREET, NE SUITE 3300 ATLANTA, GEORGIA 30303	SCALE IN FEET 0 20 40 80	REVISION DATES		SPECIAL DESIGN BOX CULVERT PERENNIAL STREAM 6		
				CULVERT REPLACEMENT LOCATION		
				CHECKED:	DATE:	DRAWING No.
		BACKCHECKED:	DATE:	39-0002		
		CORRECTED:	DATE:			
		VERIFIED:	DATE:			



LEGEND

EXIST. DRAINAGE STRUCTURE

BANKFULL ELEVATION

EXISTING GROUND

PROPOSED GRADE

HNTB

19 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE 1 inch = 5 feet Vert.
SCALE 1 inch = 20 feet Horiz.

REVISION DATES

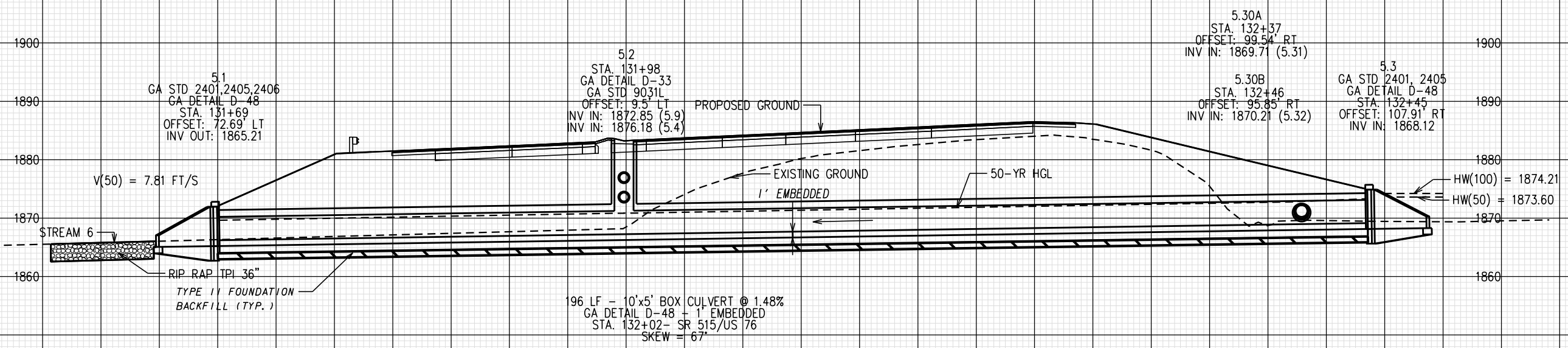
SPECIAL DESIGN BOX CULVERT
PERENNIAL STREAM 6 - LONGITUDINAL
PROFILE OF THE STREAM BOTTOM

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	39-0003
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10/23/2015

GPLN

COPY OF SHEET 22-0004. DO NOT USE FOR QUANTITIES.



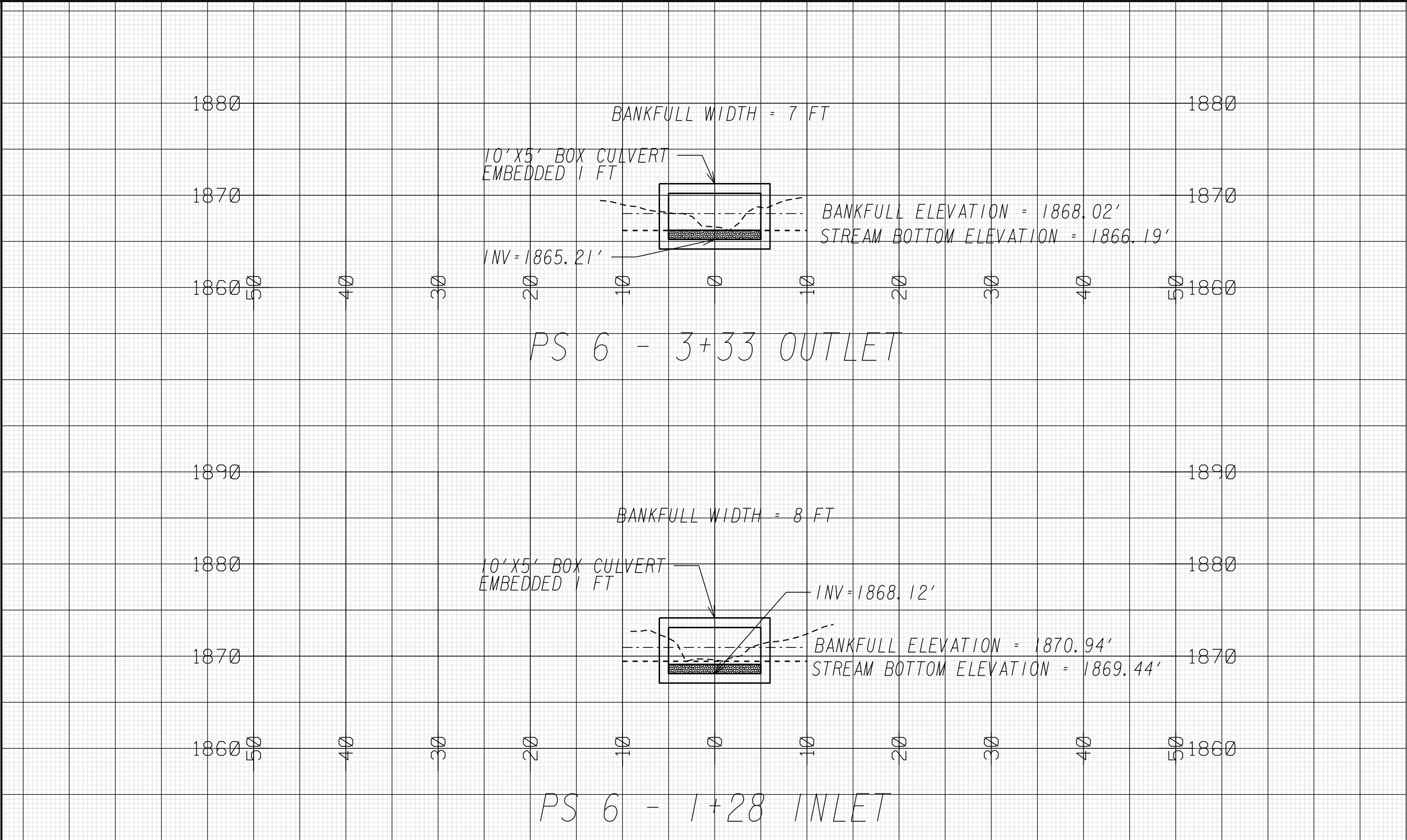
191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES	

SPECIAL DESIGN BOX CULVERT PERENNIAL STREAM 6			
PS6 CULVERT LOCATION			
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BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.	
39-0004	



LEGEND

STREAM BOTTOM ELEVATION

BANKFULL ELEVATION

EXISTING GROUND

DRAINAGE STRUCTURE

HNTB

19 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE 1 inch = 5 feet Vert.
SCALE 1 inch = 5 feet Horiz.

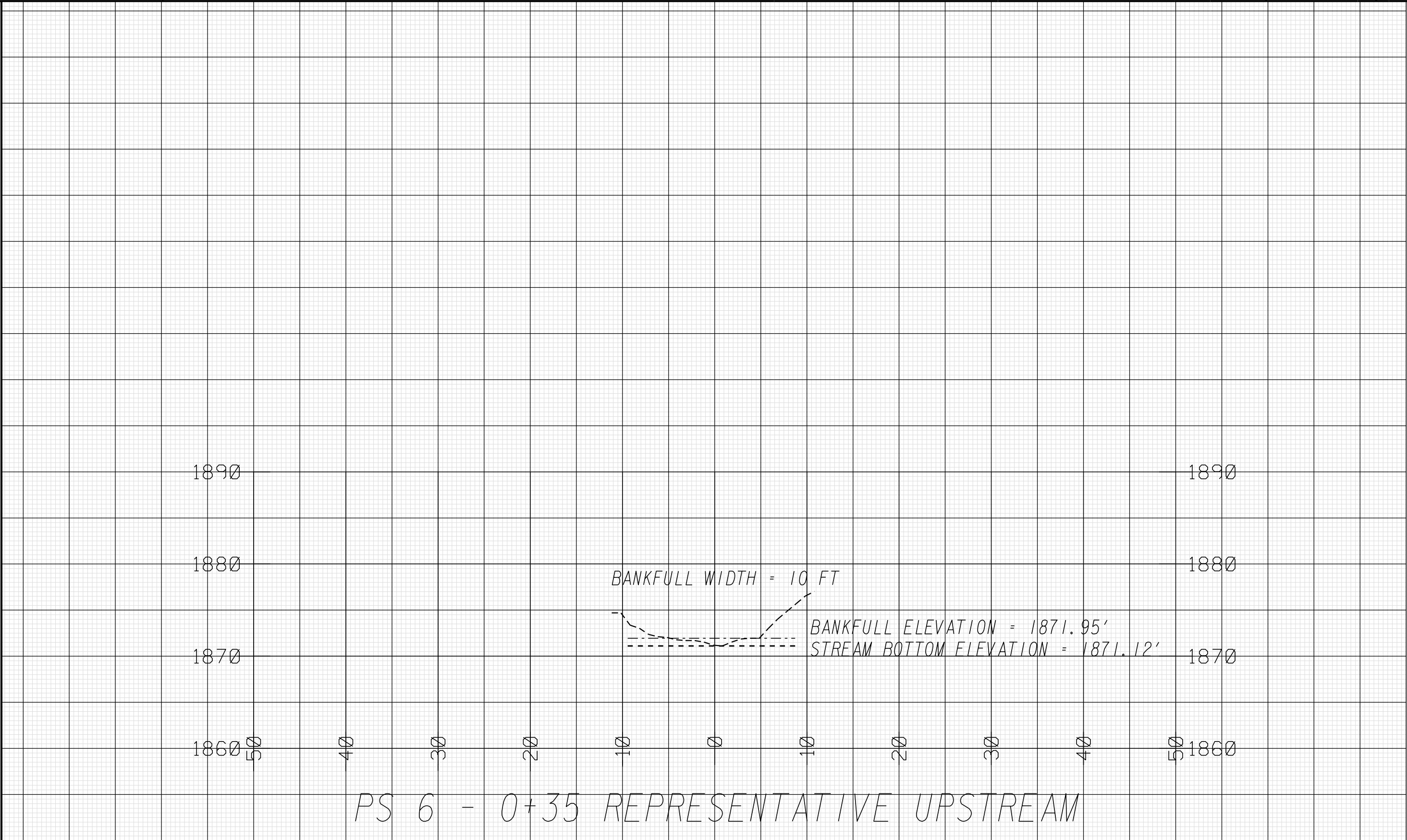
REVISION DATES

SPECIAL DESIGN BOX CULVERT
PERENNIAL STREAM 6

PS6 CROSS SECTIONS

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VERIFIED:	DATE:	

10/23/2015
GPLN



LEGEND

STREAM BOTTOM ELEVATION

BANKFULL ELEVATION

EXISTING GROUND

DRAINAGE STRUCTURE

HNTB

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE 1 inch = 5 feet Vert.
SCALE 1 inch = 5 feet Horiz.

REVISION DATES

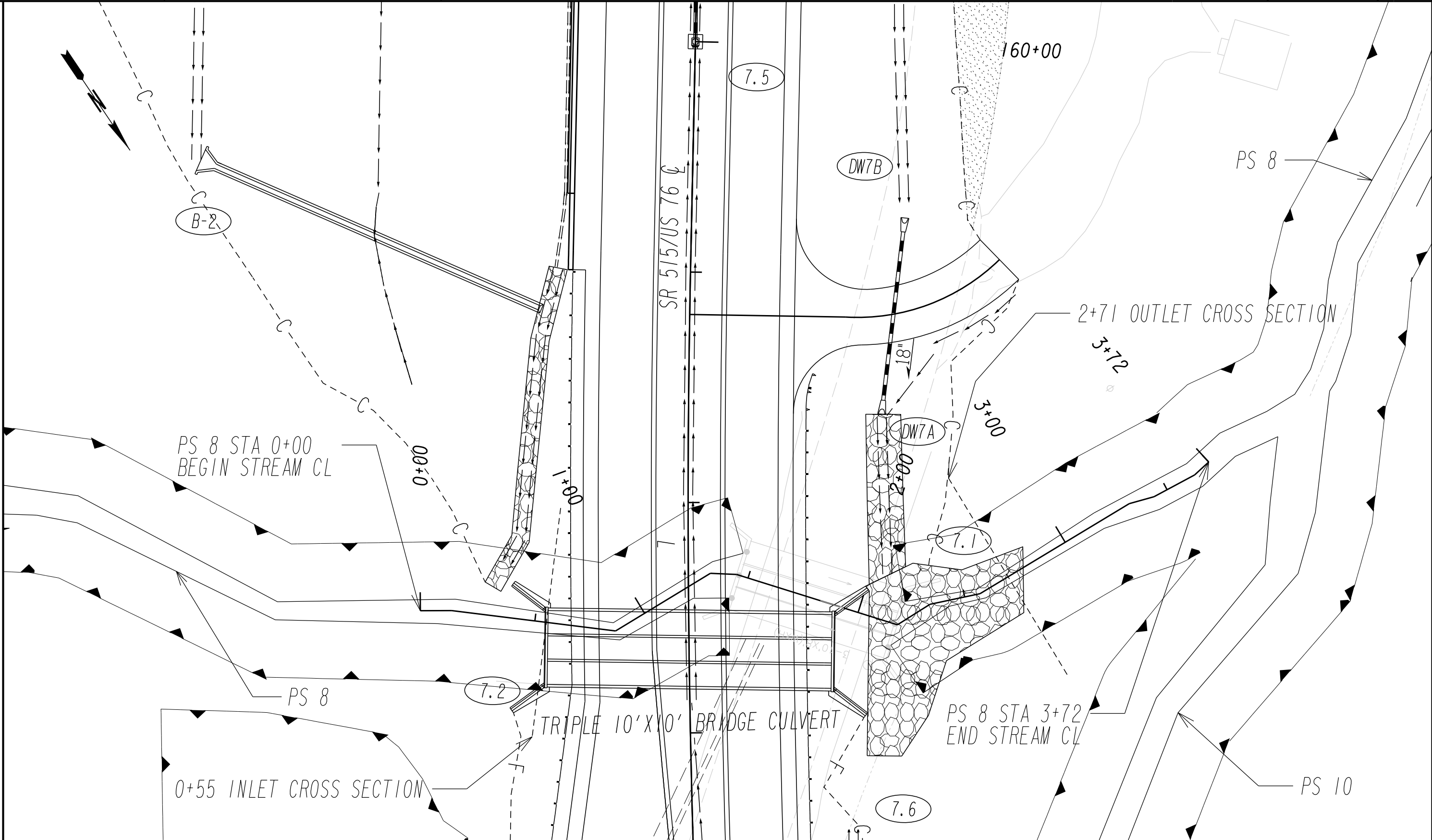
SPECIAL DESIGN BOX CULVERT
PERENNIAL STREAM 6

PS6 CROSS SECTIONS

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

39-0006

PERENNIAL STREAM 8: SHEET 39-0007: PS 8 TABLE OF CONTENTS SHEET 39-0008: PS 8 PLAN VIEW SHEET 39-0009: PS 8 EXISTING LONGITUDINAL PROFILE OF STREAM SHEET 39-0010: PS 8 COPY OF DRAINAGE PROFILE (CULVERT 7.1/7.2) SHEET 39-0011: PS 8 STREAM CROSS SECTIONS									
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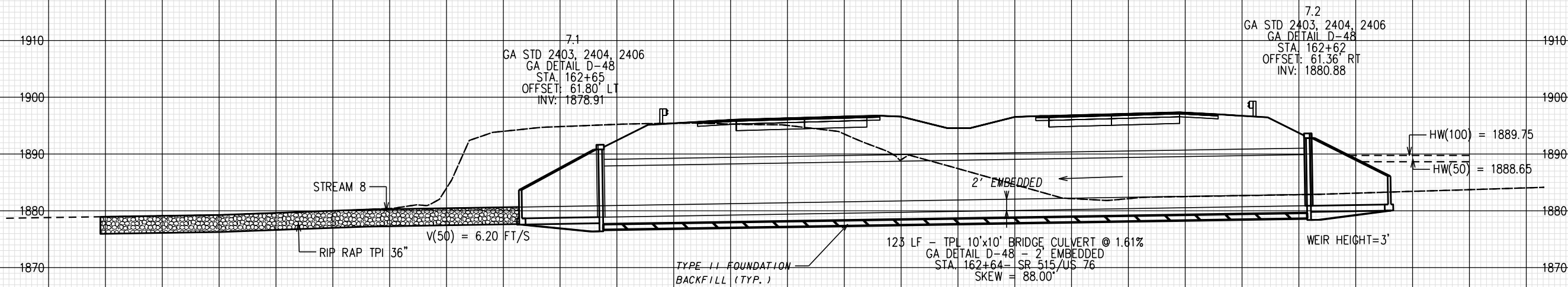


HNTB 191 PEACHTREE STREET, NE SUITE 3300 ATLANTA, GEORGIA 30303	SCALE IN FEET 0 20 40 80	REVISION DATES		SPECIAL DESIGN BOX CULVERT PERENNIAL STREAM 8		
				CULVERT REPLACEMENT LOCATION		
				CHECKED:	DATE:	DRAWING No.
		BACKCHECKED:	DATE:	39-0008		
		CORRECTED:	DATE:			
		VERIFIED:	DATE:			



CHECKED:	DATE:	DRAWING No. 39-0009
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

COPY OF SHEET 22-0005. DO NOT USE FOR QUANTITIES.



HNTB

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

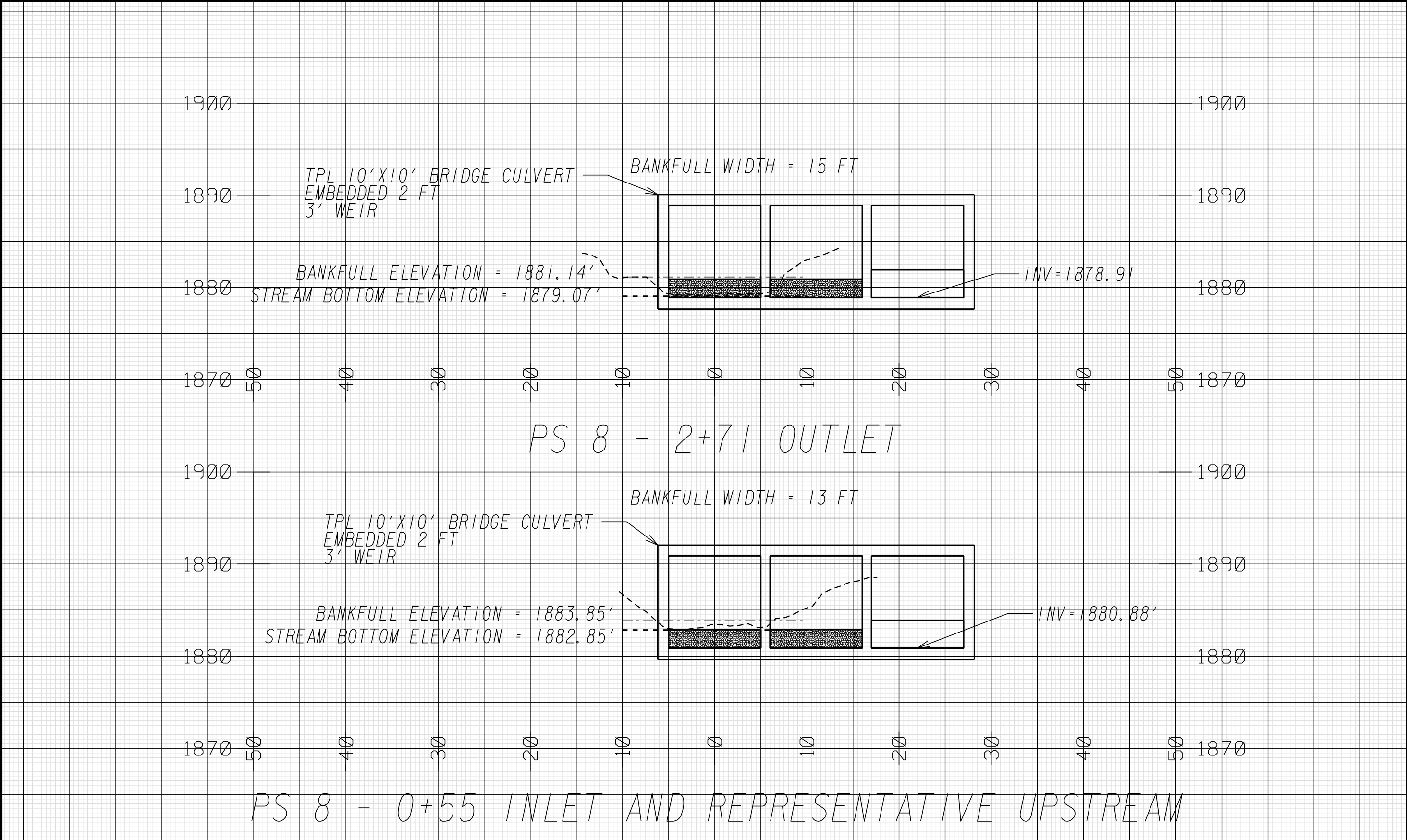
SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

SPECIAL DESIGN BOX CULVERT
PERENNIAL STREAM 8

CULVERT LOCATION

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	39-0010



LEGEND

STREAM BOTTOM ELEVATION

BANKFULL ELEVATION

EXISTING GROUND

DRAINAGE STRUCTURE

HNTB

19 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

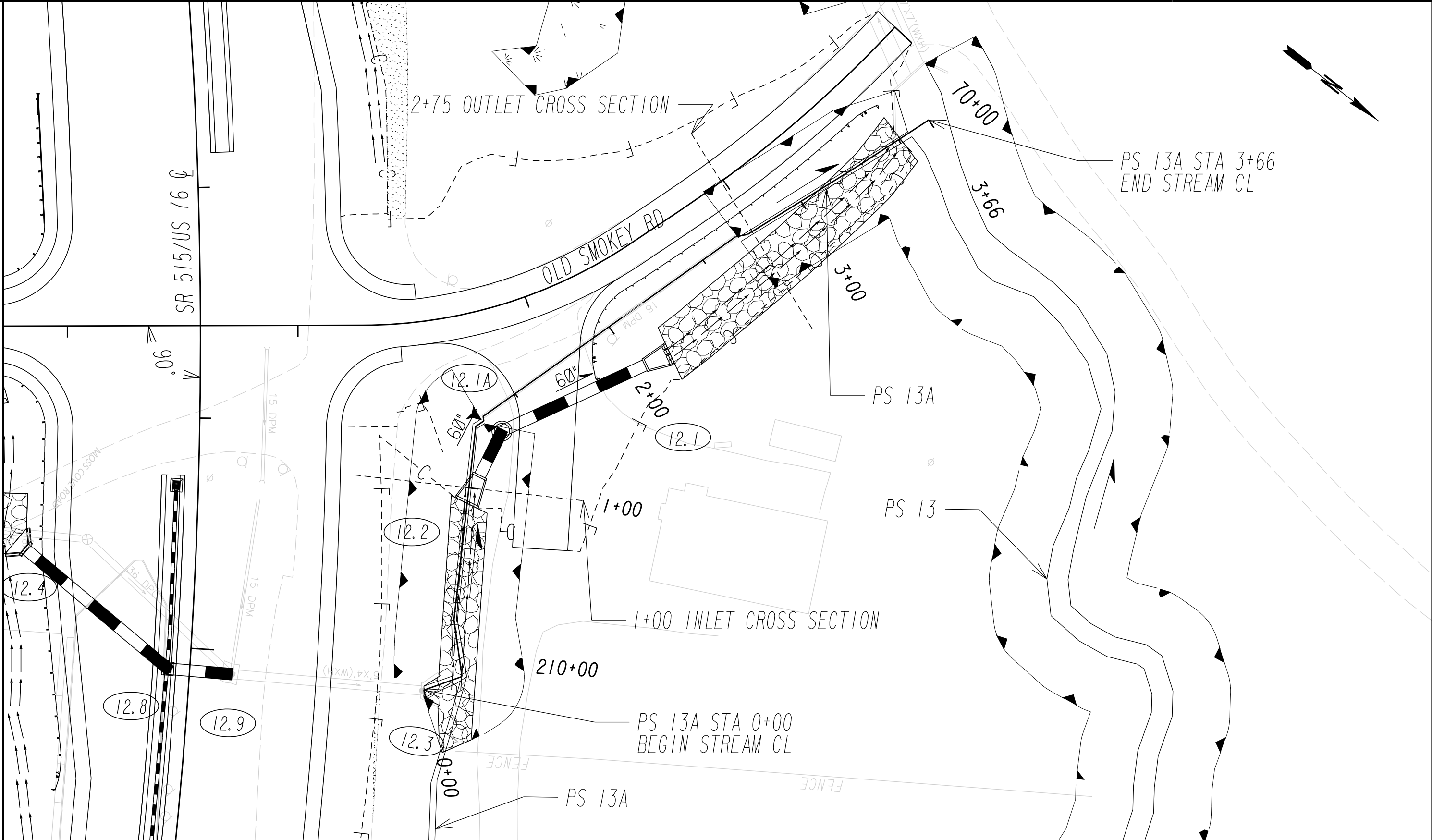
REVISION DATES

SPECIAL DESIGN BOX CULVERT
PERENNIAL STREAM 8

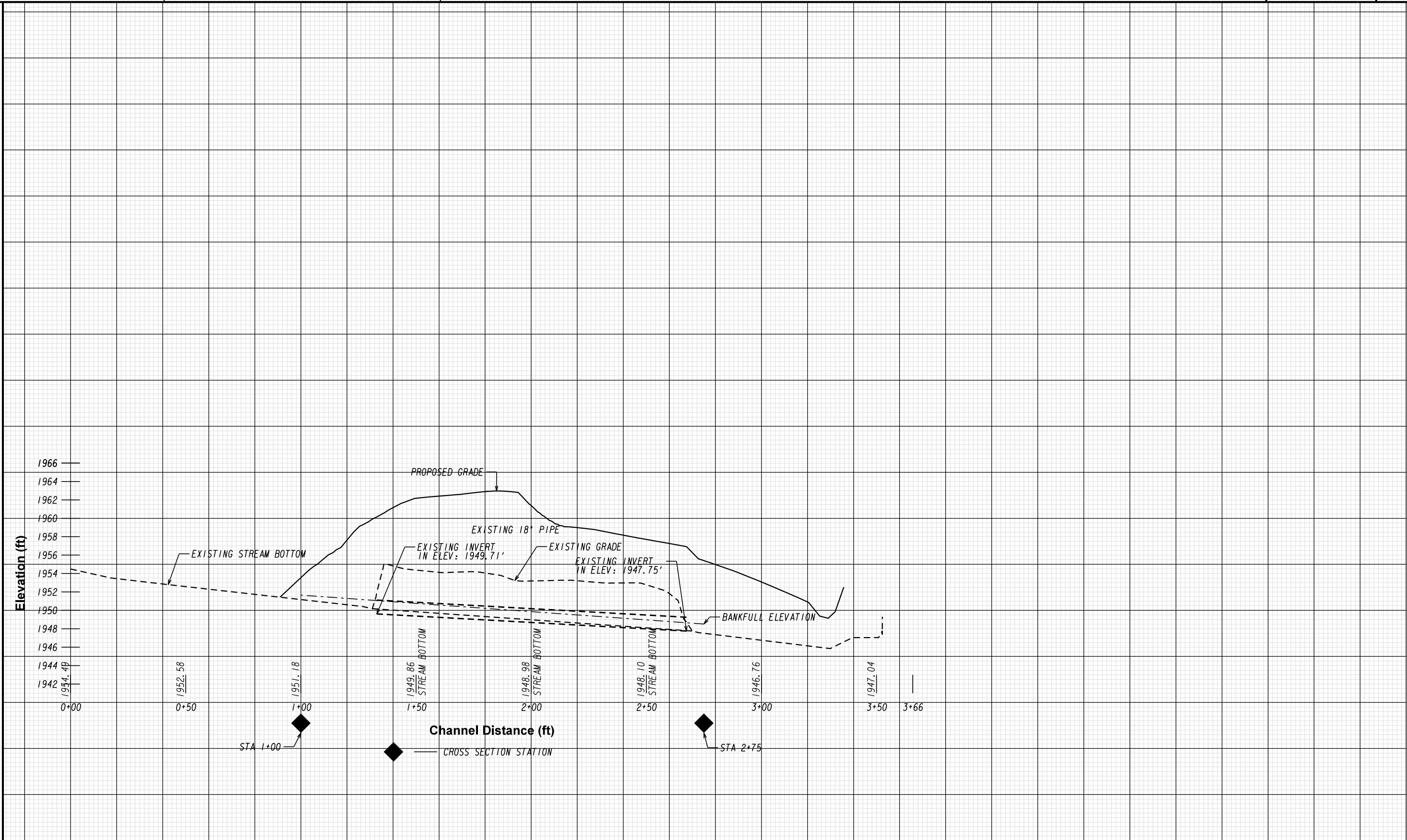
PS8 CROSS SECTIONS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	39-0011
CORRECTED:	DATE:	
VERIFIED:	DATE:	

PERENNIAL STREAM 13A: SHEET 39-0012: PS 13A TABLE OF CONTENTS SHEET 39-0013: PS 13A PLAN VIEW SHEET 39-0014: PS 13A EXISTING LONGITUDINAL PROFILE OF STREAM SHEET 39-0015: PS 13A COPY OF DRAINAGE PROFILE (60" PIPE 12.1/12.2) SHEET 39-0016: PS 13A STREAM INLET AND OUTLET CROSS SECTIONS									
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HNTB 191 PEACHTREE STREET, NE SUITE 3300 ATLANTA, GEORGIA 30303	SCALE IN FEET 0 20 40 80	REVISION DATES		SPECIAL CULVERT PERENNIAL STREAM 13A CULVERT REPLACEMENT LOCATION		
		CHECKED:	DATE:	CHECKED:	DATE:	DRAWING No. 39-0013
		CORRECTED:	DATE:	CORRECTED:	DATE:	



LEGEND

EXIST. DRAINAGE STRUCTURE

BANKFULL ELEVATION

EXISTING GROUND

PROPOSED GRADE

HNTB

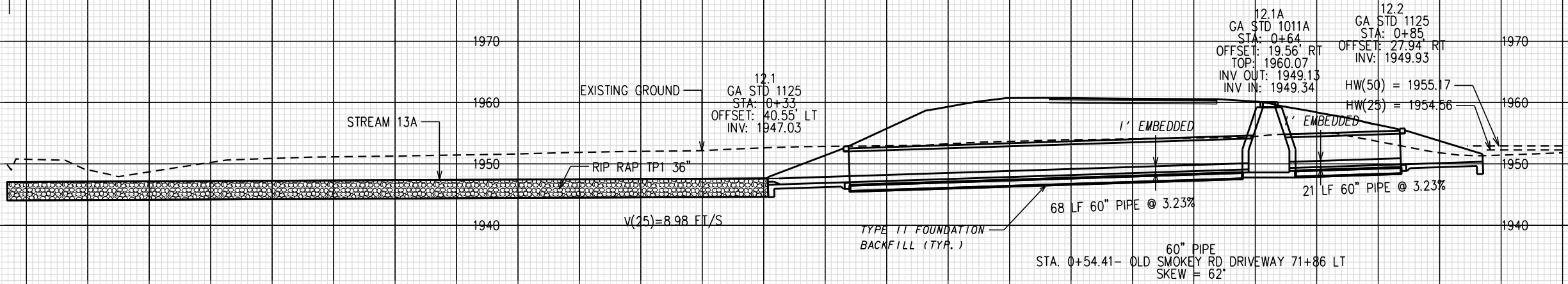
191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE 1 inch = 5 feet Vert.
SCALE 1 inch = 20 feet Horiz.

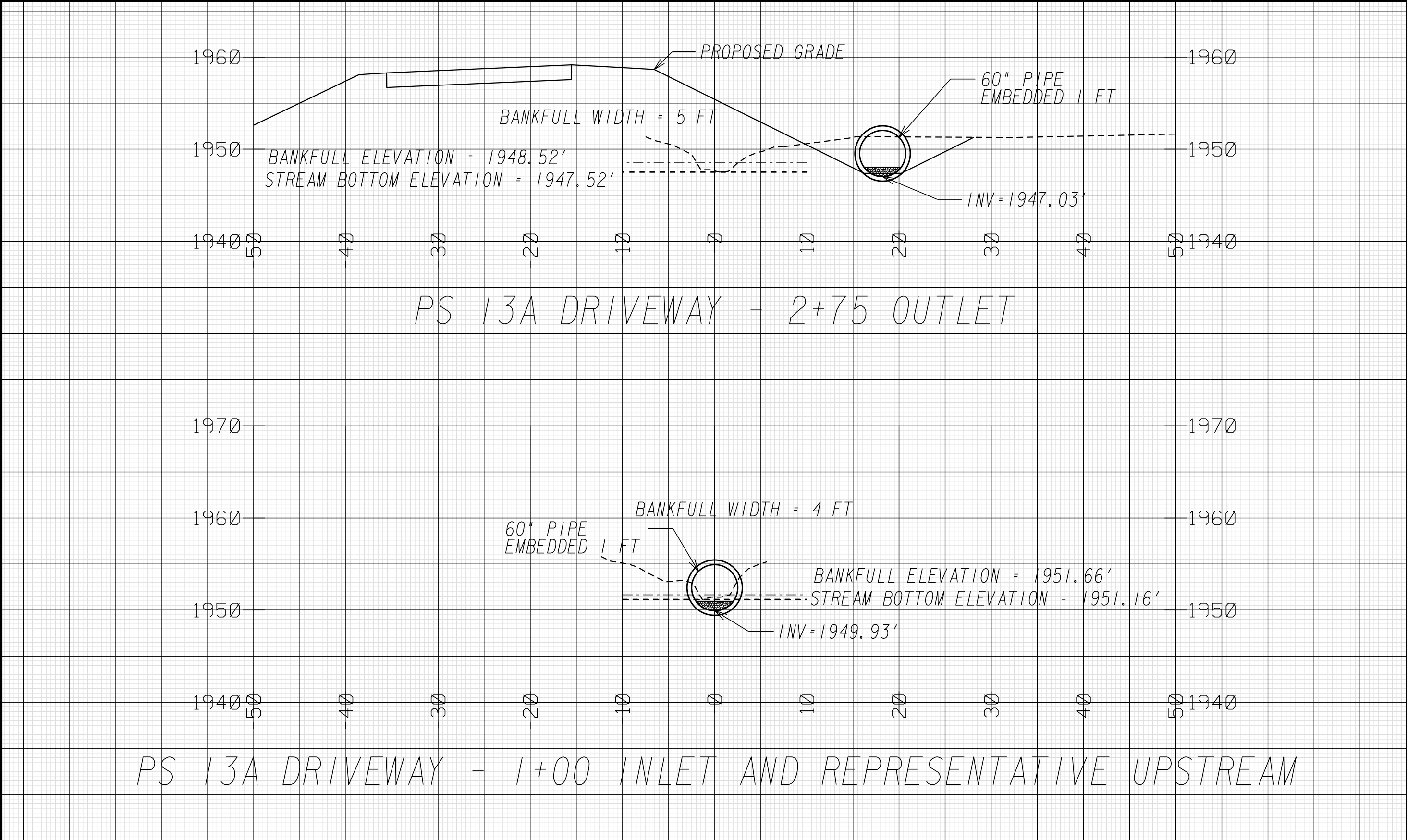
REVISION DATES

SPECIAL CULVERT
PERENNIAL STREAM 13A - LONGITUDINAL
PROFILE OF THE STREAM BOTTOM

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		39-0014
CORRECTED:		DATE:		
VERIFIED:		DATE:		



COPY OF SHEET 22-0025. DO NOT USE FOR QUANTITIES.



LEGEND

STREAM BOTTOM ELEVATION

BANKFULL ELEVATION

EXISTING GROUND

=====

DRAINAGE STRUCTURE

=====

PROPOSED GRADE

HNTB

19 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE 1 inch = 5 feet Vert.
SCALE 1 inch = 5 feet Horiz.

REVISION DATES

**SPECIAL CULVERT
PERENNIAL STREAM 13A**

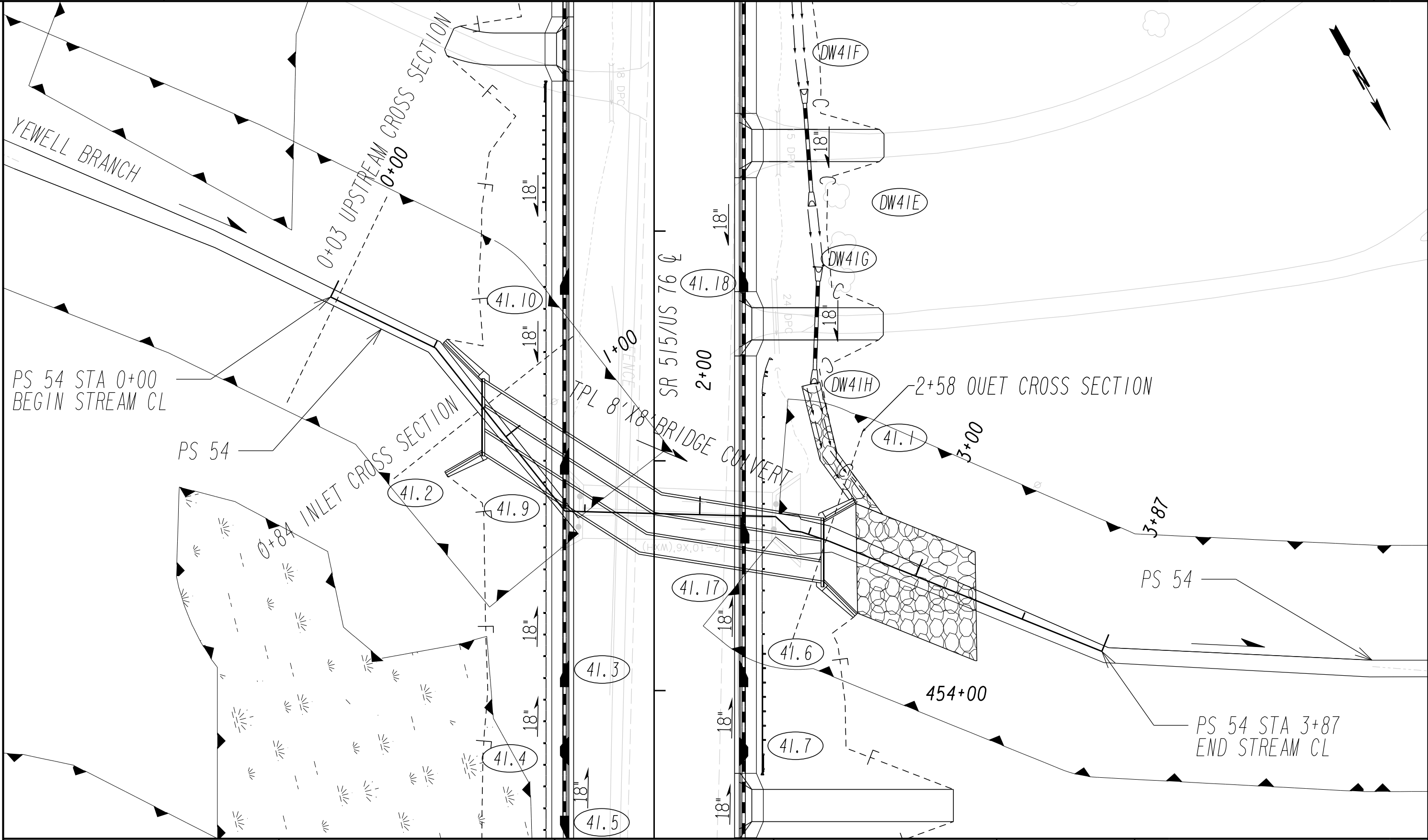
PS 13A CROSS SECTIONS

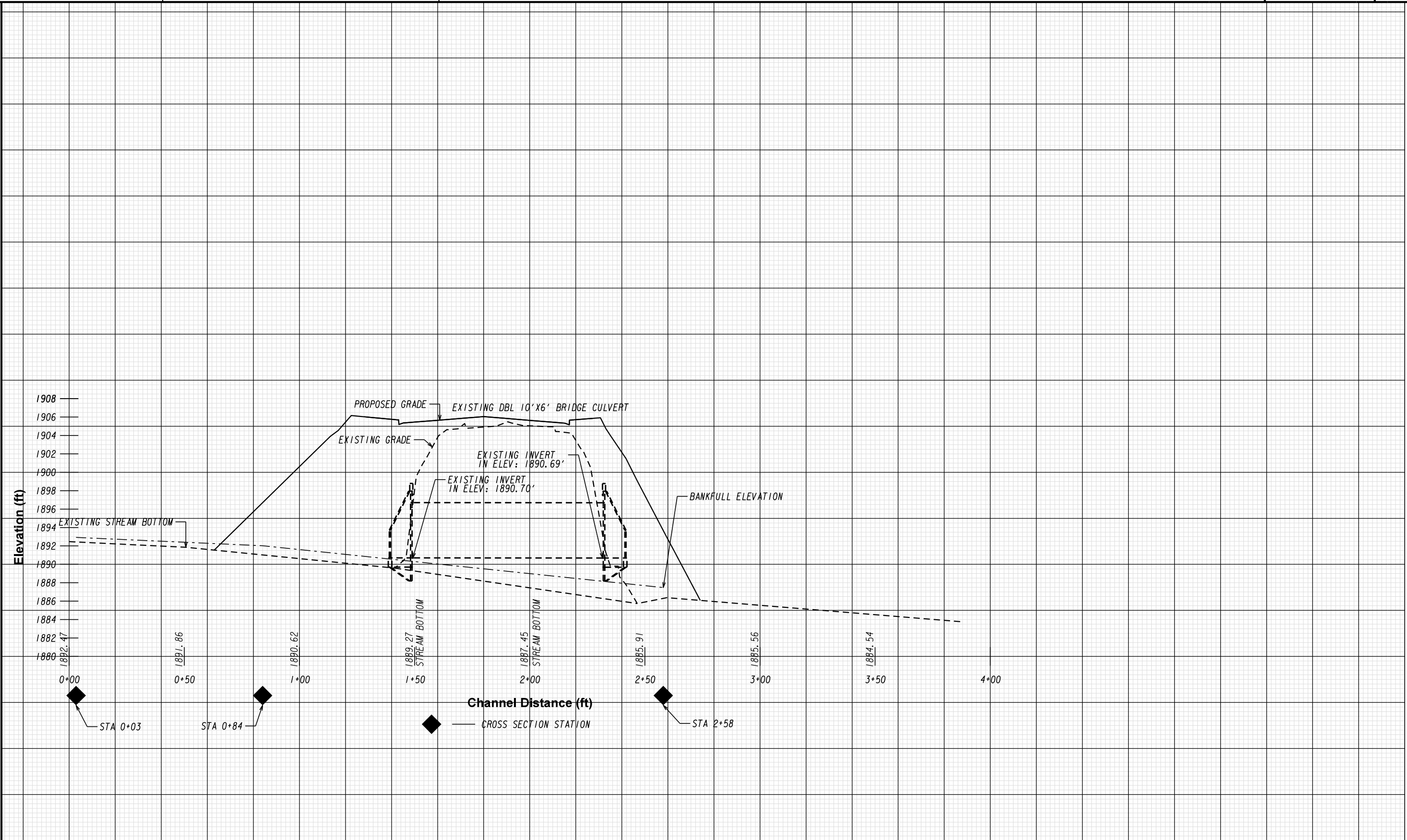
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	39-0016
CORRECTED:	DATE:	
VERIFIED:	DATE:	

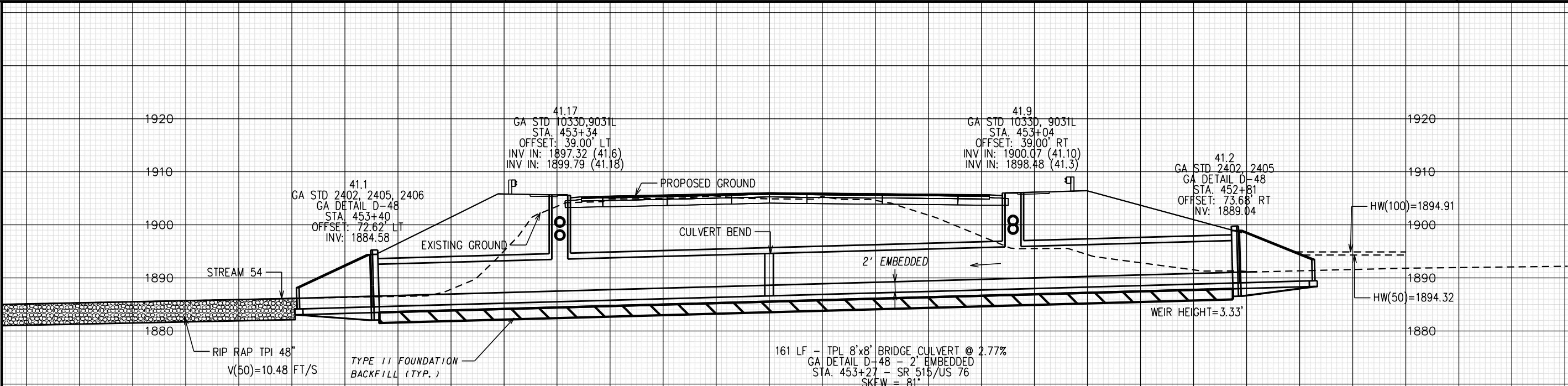
10/23/2015

GPLAN

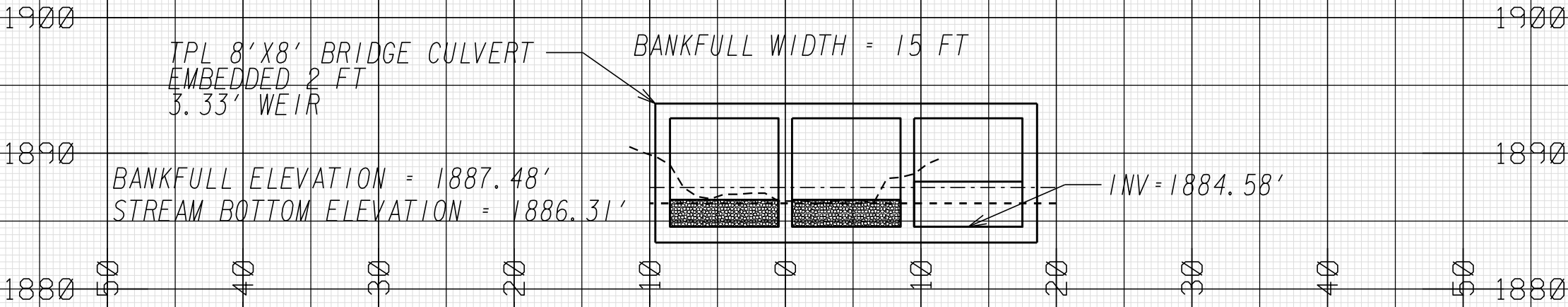
PERENNIAL STREAM 54: SHEET 39-0017: PS 54 TABLE OF CONTENTS SHEET 39-0018: PS 54 PLAN VIEW SHEET 39-0019: PS 54 EXISTING LONGITUDINAL PROFILE OF STREAM SHEET 39-0020: PS 54 COPY OF DRAINAGE PROFILE (CULVERT 41.1/41.2) SHEET 39-0021: PS 54 STREAM INLET AND OUTLET CROSS SECTIONS SHEET 39-0022: PS 54 STREAM UPSTREAM REFERENCE CROSS SECTIONS									
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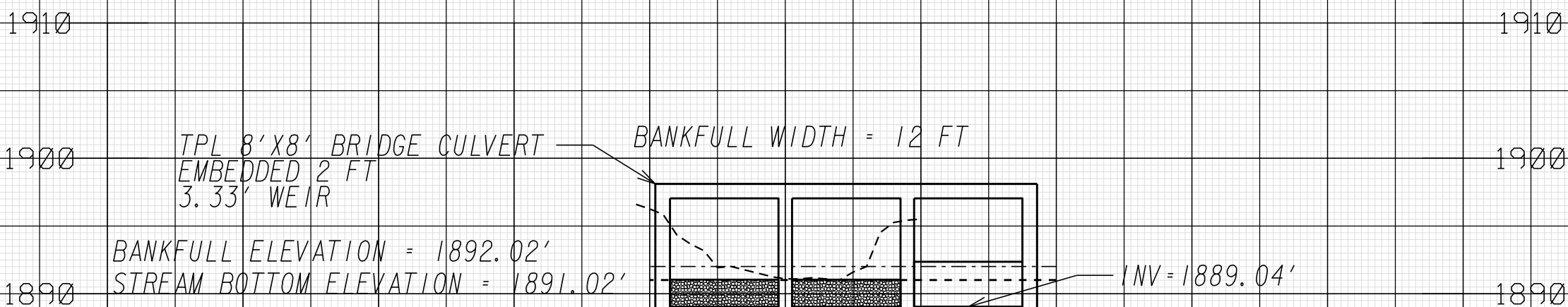




COPY OF SHEET 22-0019. DO NOT USE FOR QUANTITIES.



PS 54 - 2+58 OUTLET



PS 54 - 0+84 INLET

LEGEND

STREAM BOTTOM ELEVATION

BANKFULL ELEVATION

EXISTING GROUND

DRAINAGE STRUCTURE

HNTB

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE 1 inch = 5 feet Vert.
SCALE 1 inch = 5 feet Horiz.

REVISION DATES

SPECIAL DESIGN BOX CULVERT
PERENNIAL STREAM 54

PS54 CROSS SECTIONS

CHECKED:

BACKCHECKED:

CORRECTED:

VERIFIED:

DATE:

DATE:

DATE:

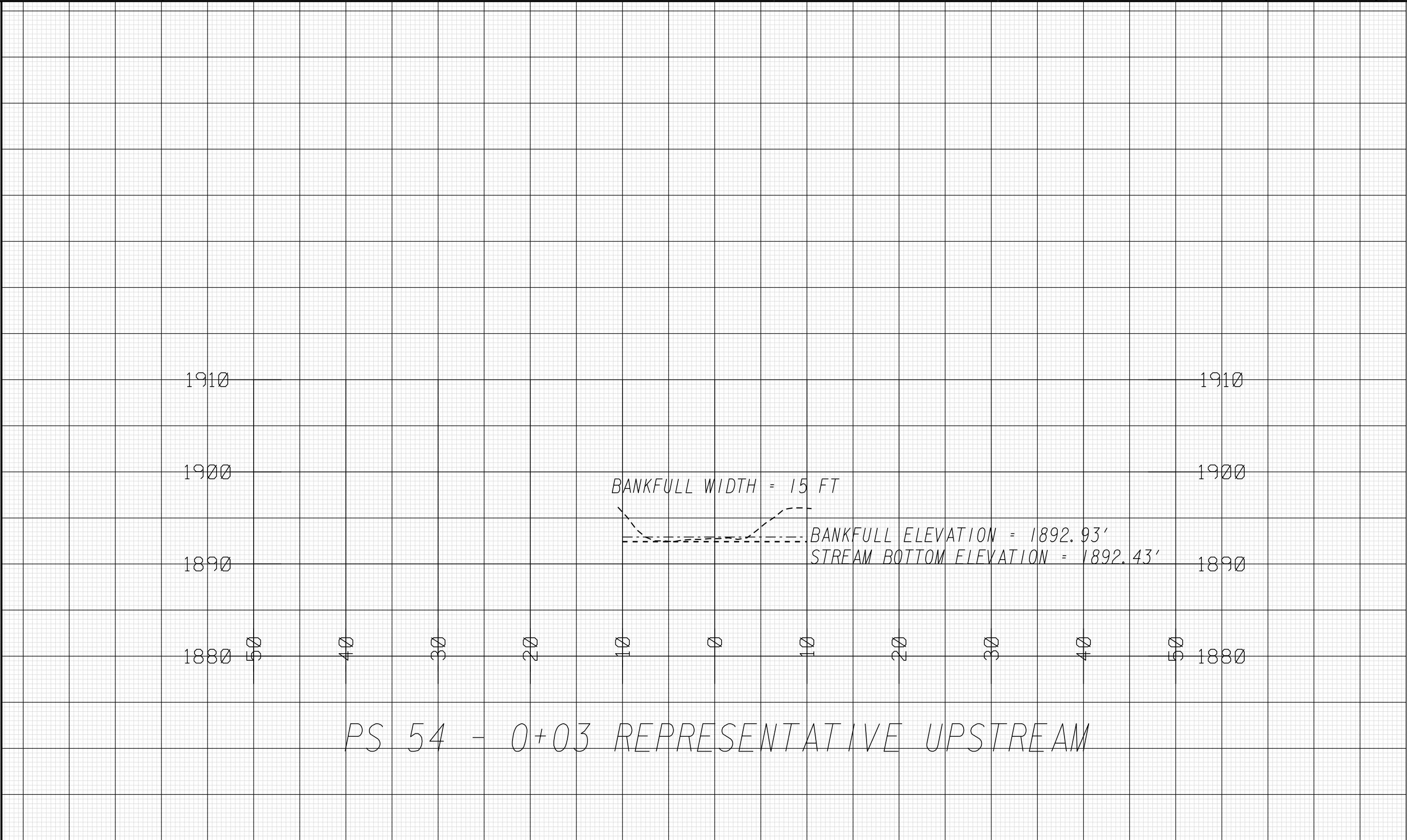
DATE:

DRAWING No.

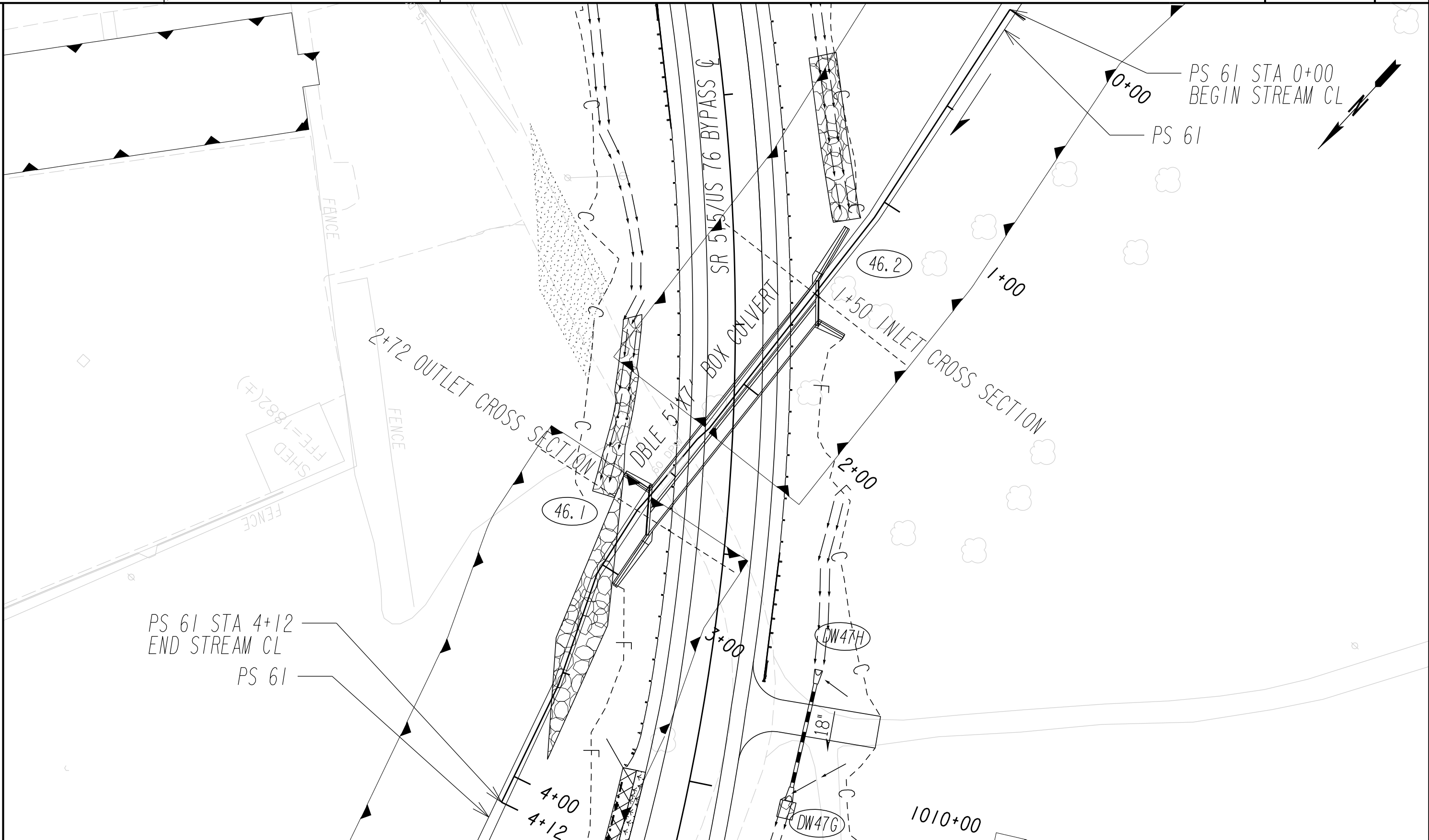
39-0021

10/23/2015

GPLN

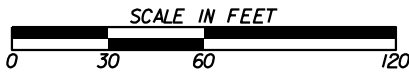


PERENNIAL STREAM 61: SHEET 39-0023: PS 61 TABLE OF CONTENTS SHEET 39-0024: PS 61 PLAN VIEW SHEET 39-0025: PS 61 EXISTING LONGITUDINAL PROFILE OF STREAM SHEET 39-0026: PS 61 COPY OF DRAINAGE PROFILE (CULVERT 46.1/46.2) SHEET 39-0027: PS 61 STREAM CROSS SECTIONS									
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HNTB

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

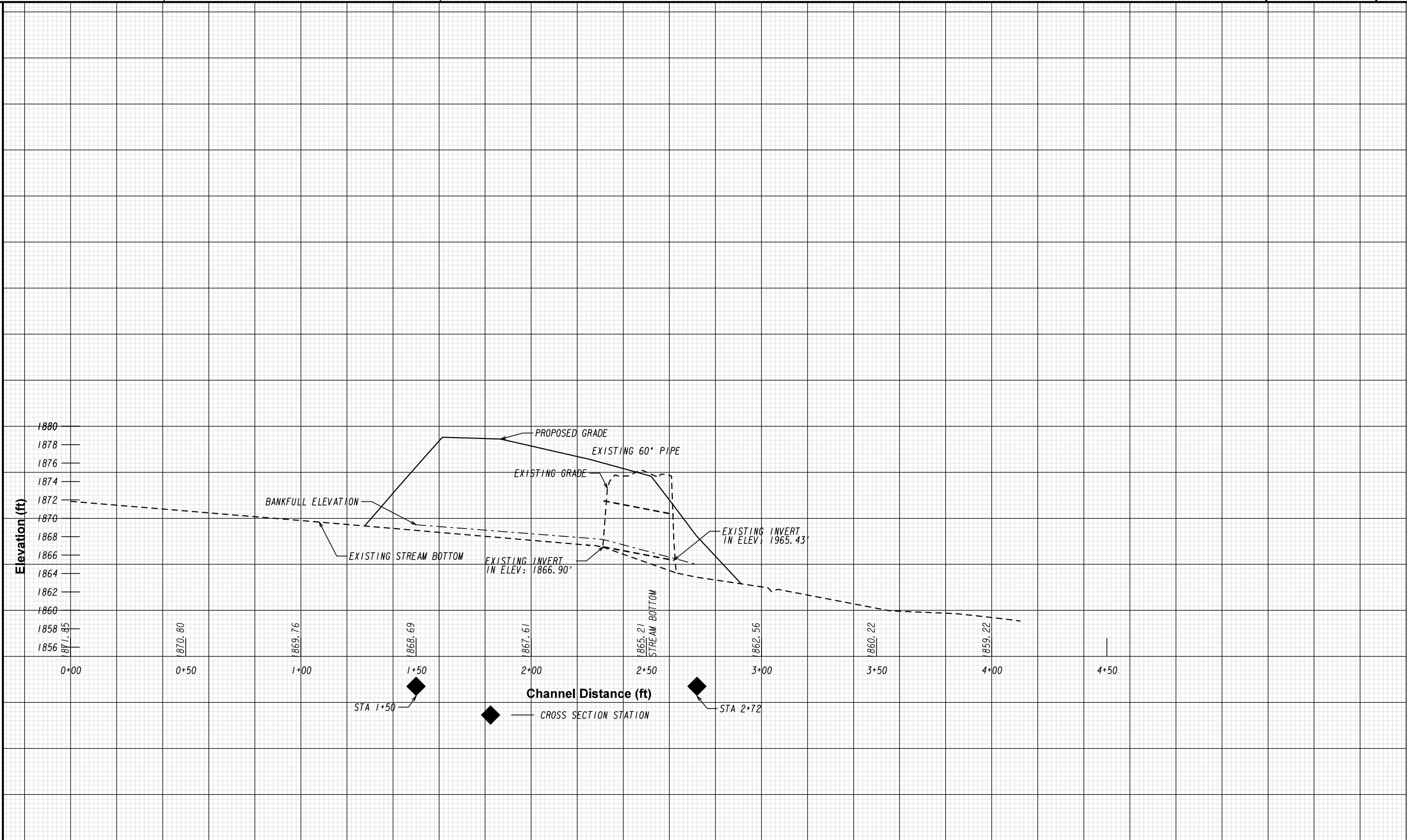


REVISION DATES		

**SPECIAL DESIGN BOX CULVERT
PERENNIAL STREAM 61**

CULVERT REPLACEMENT LOCATION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		39-0024
CORRECTED:		DATE:		
VERIFIED:		DATE:		



LEGEND

EXIST. DRAINAGE STRUCTURE

BANKFULL ELEVATION

EXISTING GROUND

PROPOSED GRADE

HNTB

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

CHECKED:

DATE:

BACKCHECKED:

DATE:

CORRECTED:

DATE:

VERIFIED:

DATE:

SPECIAL DESIGN BOX CULVERT
PERENNIAL STREAM 61 - LONGITUDINAL
PROFILE OF THE STREAM BOTTOM

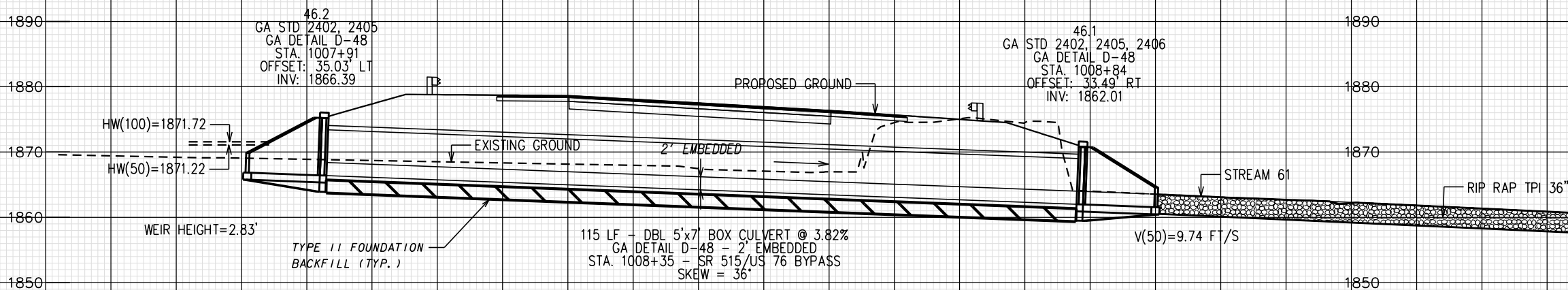
DRAWING No.

39-0025

10/23/2015

GPLN

COPY OF SHEET 22-0021. DO NOT USE FOR QUANTITIES.



HNTB

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

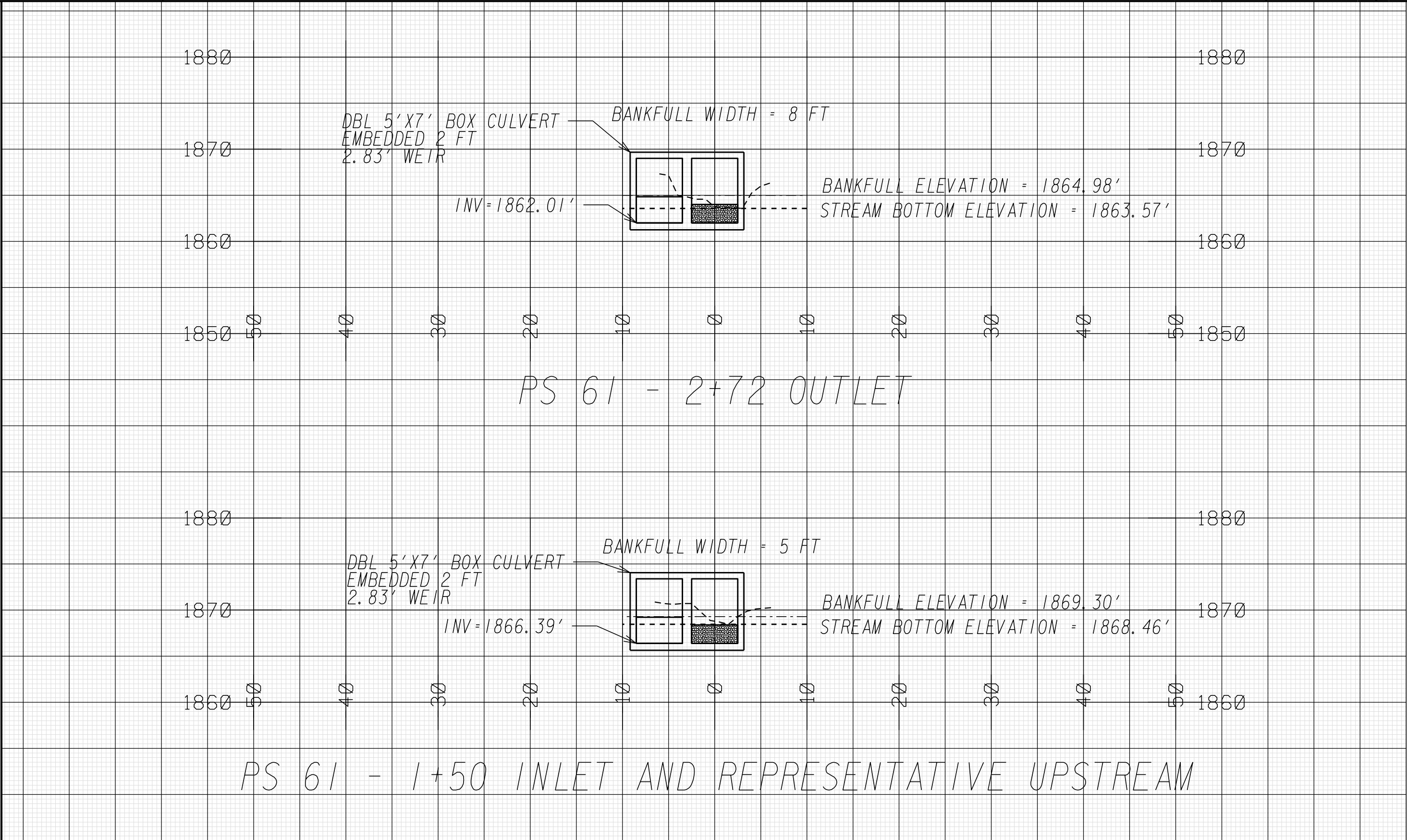
SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

SPECIAL DESIGN BOX CULVERT
PERENNIAL STREAM 61

CULVERT LOCATION

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	39-0026



LEGEND

STREAM BOTTOM ELEVATION

BANKFULL ELEVATION

EXISTING GROUND

DRAINAGE STRUCTURE

HNTB

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

**SPECIAL DESIGN BOX CULVERT
PERENNIAL STREAM 61**

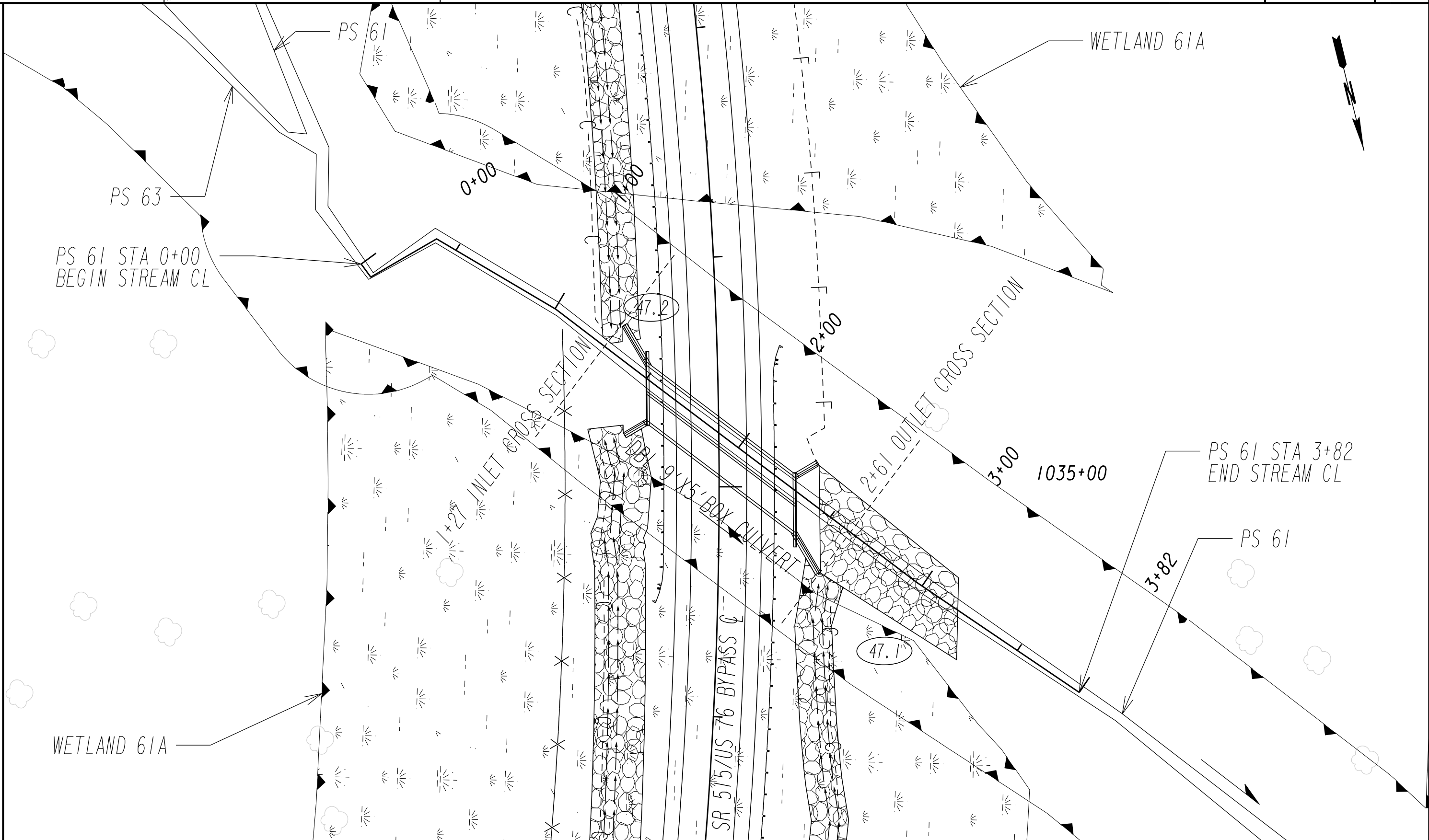
PS61 CROSS SECTIONS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	39-0027
CORRECTED:	DATE:	
VERIFIED:	DATE:	

10/23/2015

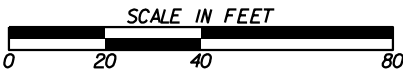
GPLN

PERENNIAL STREAM 61: SHEET 39-0028: PS 61 TABLE OF CONTENTS SHEET 39-0029: PS 61 PLAN VIEW SHEET 39-0030: PS 61 EXISTING LONGITUDINAL PROFILE OF STREAM SHEET 39-0031: PS 61 COPY OF DRAINAGE PROFILE (CULVERT 47.1/47.2) SHEET 39-0032: PS 61 STREAM CROSS SECTIONS									
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HNTB

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

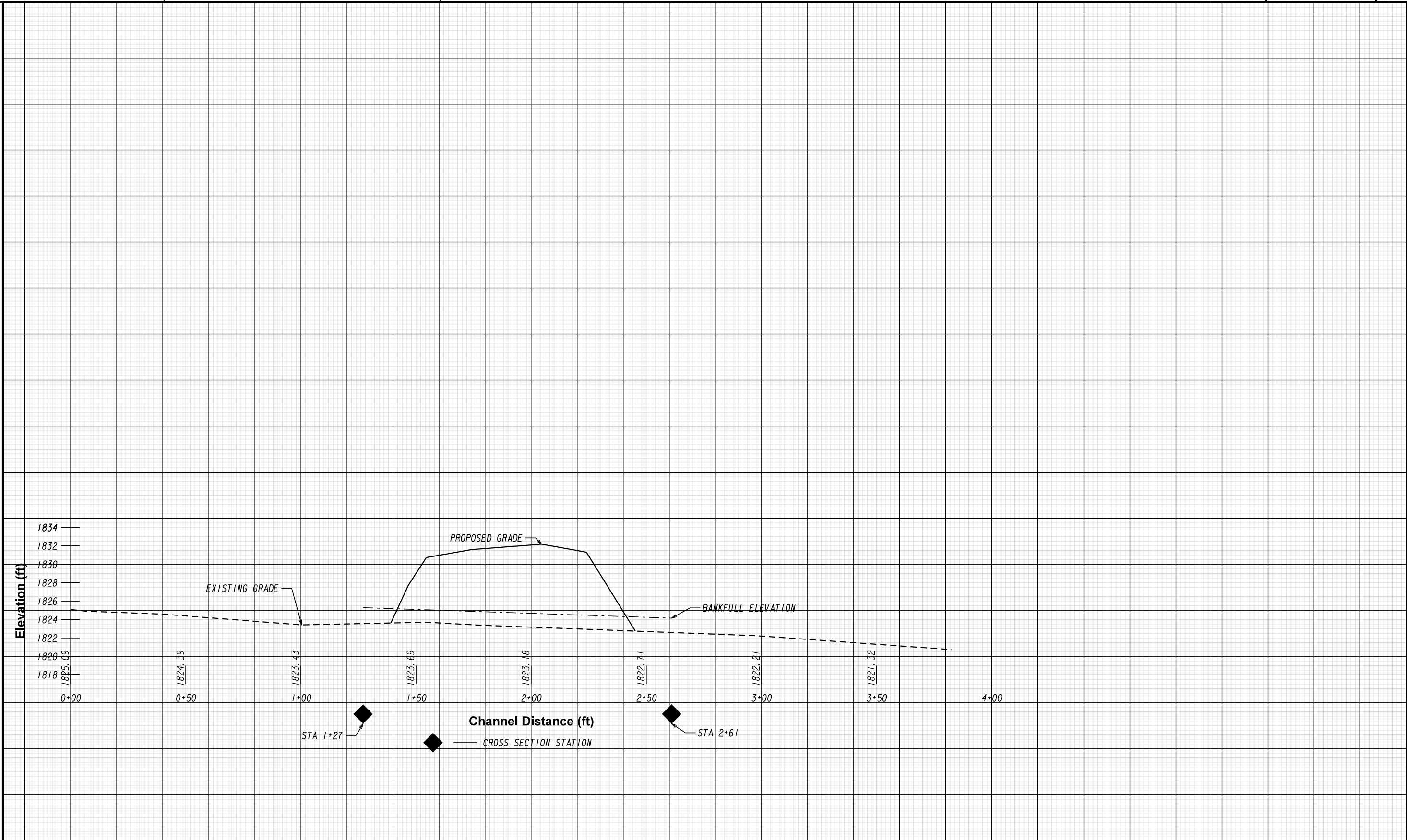


REVISION DATES

**SPECIAL DESIGN BOX CULVERT
PERENNIAL STREAM 61**

CULVERT REPLACEMENT LOCATION

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	39-0029
CORRECTED:	DATE:	
VERIFIED:	DATE:	



LEGEND

EXIST. DRAINAGE STRUCTURE

BANKFULL ELEVATION

EXISTING GROUND

PROPOSED GRADE

HNTB

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

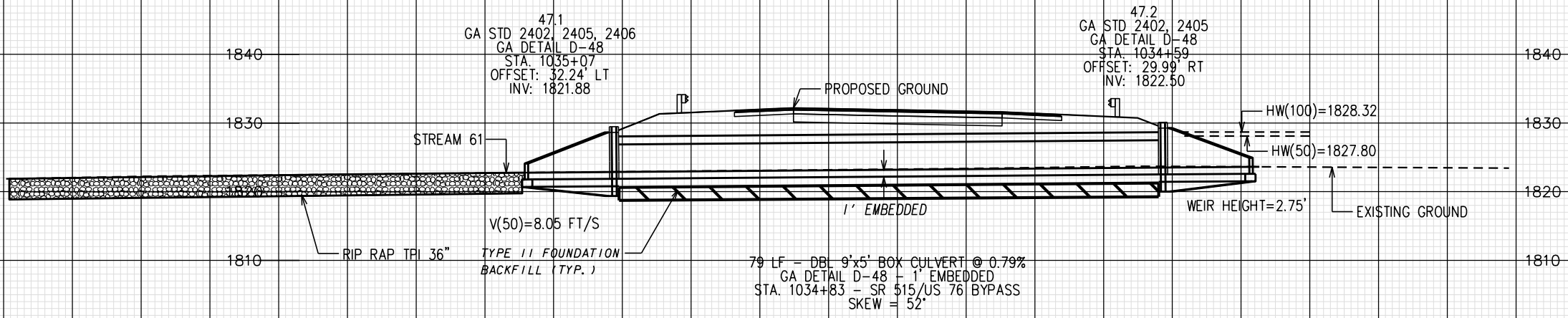
SPECIAL DESIGN BOX CULVERT
PERENNIAL STREAM 61 - LONGITUDINAL
PROFILE OF THE STREAM BOTTOM

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

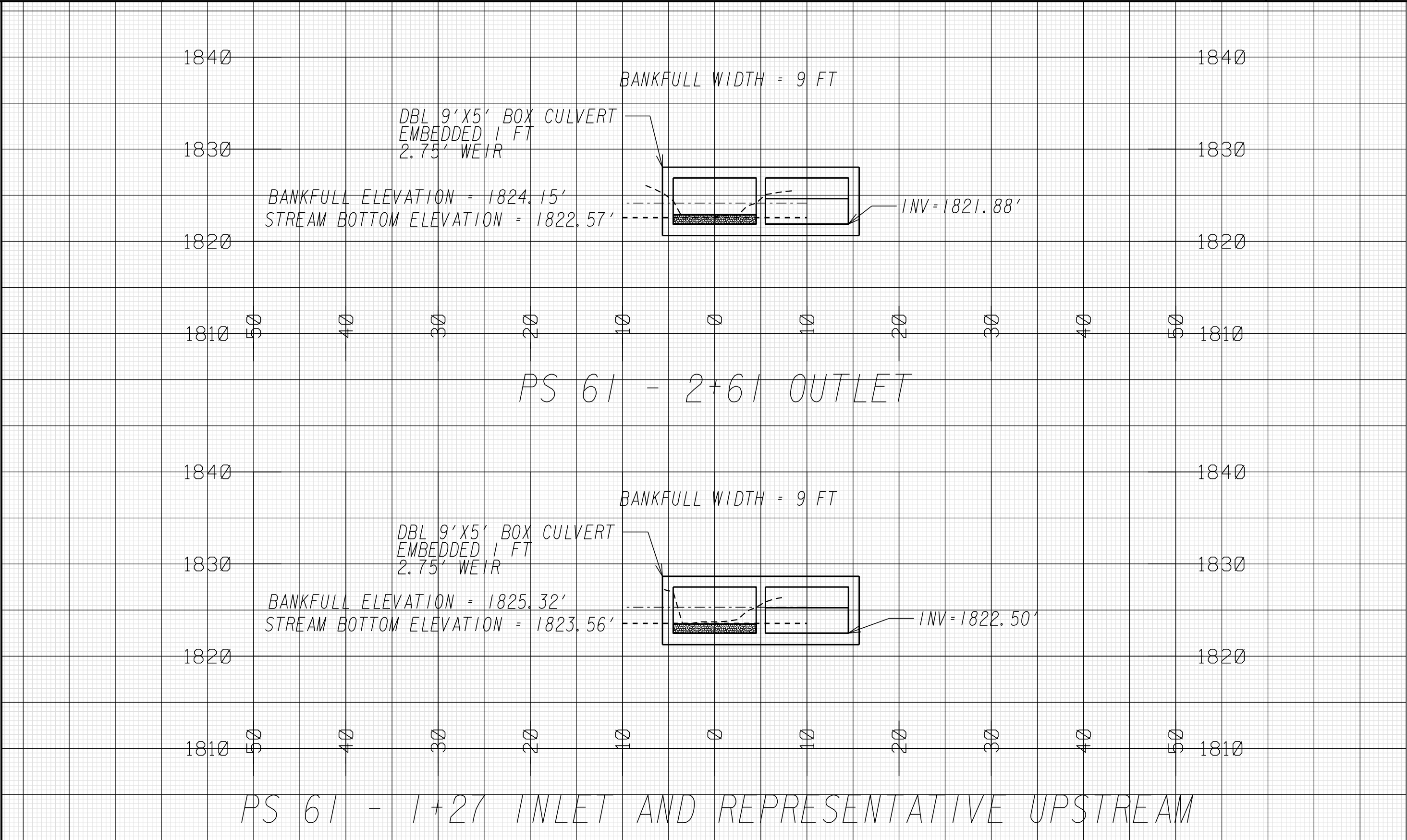
39-0030

10/23/2015

GPLN



COPY OF SHEET 22-0022. DO NOT USE FOR QUANTITIES.



LEGEND

STREAM BOTTOM ELEVATION

BANKFULL ELEVATION

EXISTING GROUND

DRAINAGE STRUCTURE

19 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

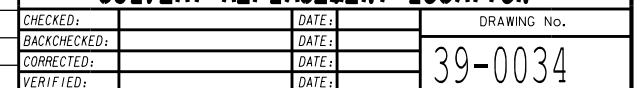
REVISION DATES

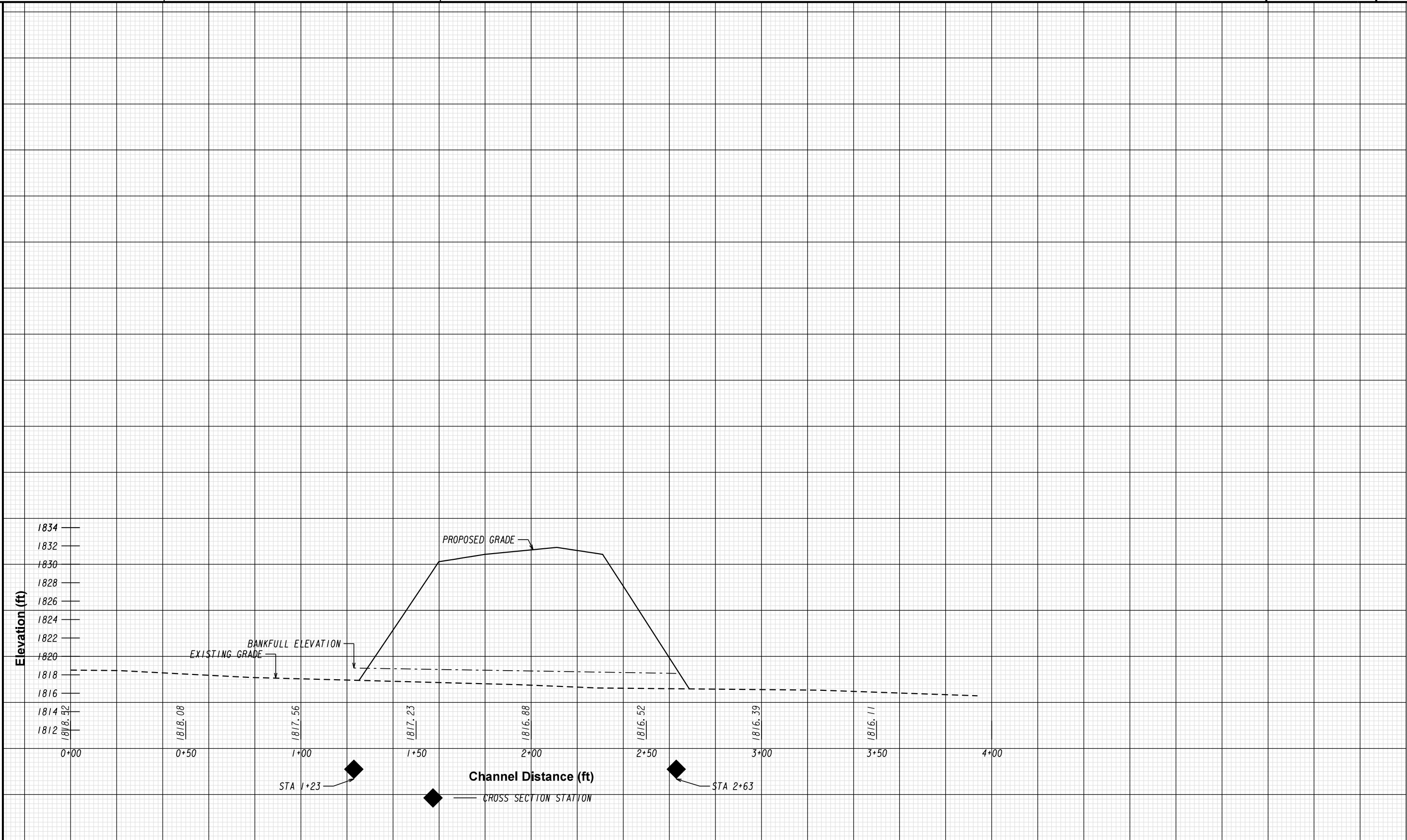
SPECIAL DESIGN BOX CULVERT
PERENNIAL STREAM 61

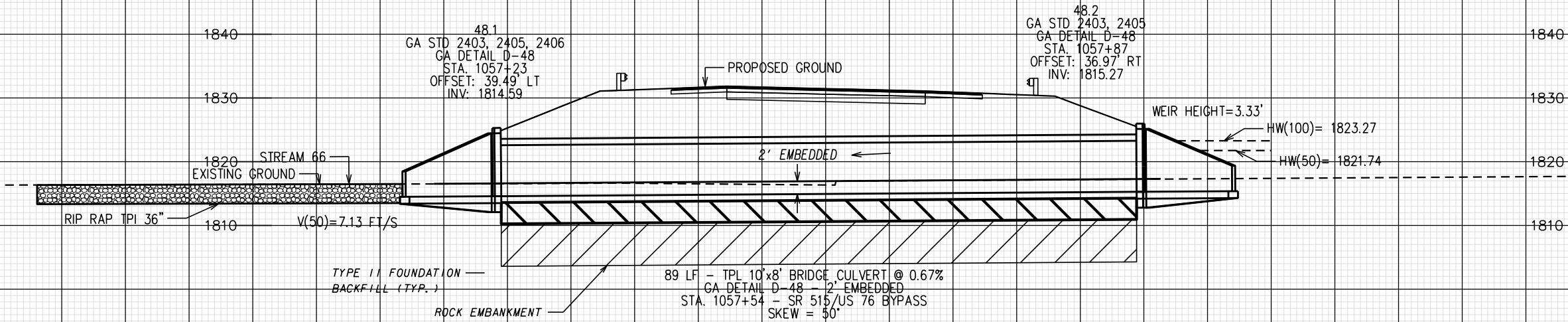
PS61 CROSS SECTIONS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	39-0032
CORRECTED:	DATE:	
VERIFIED:	DATE:	

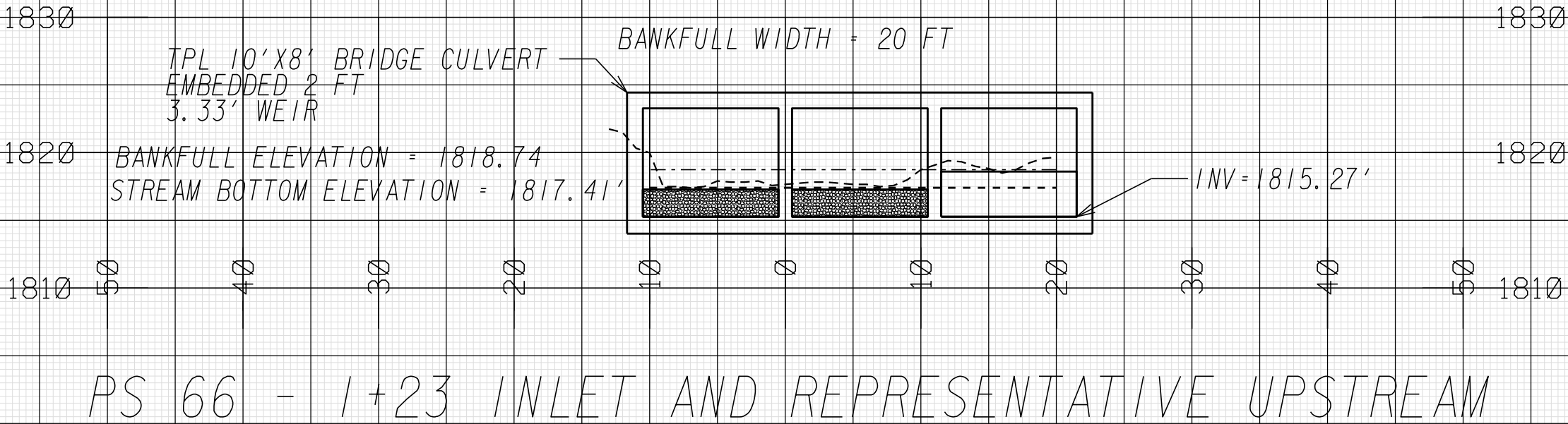
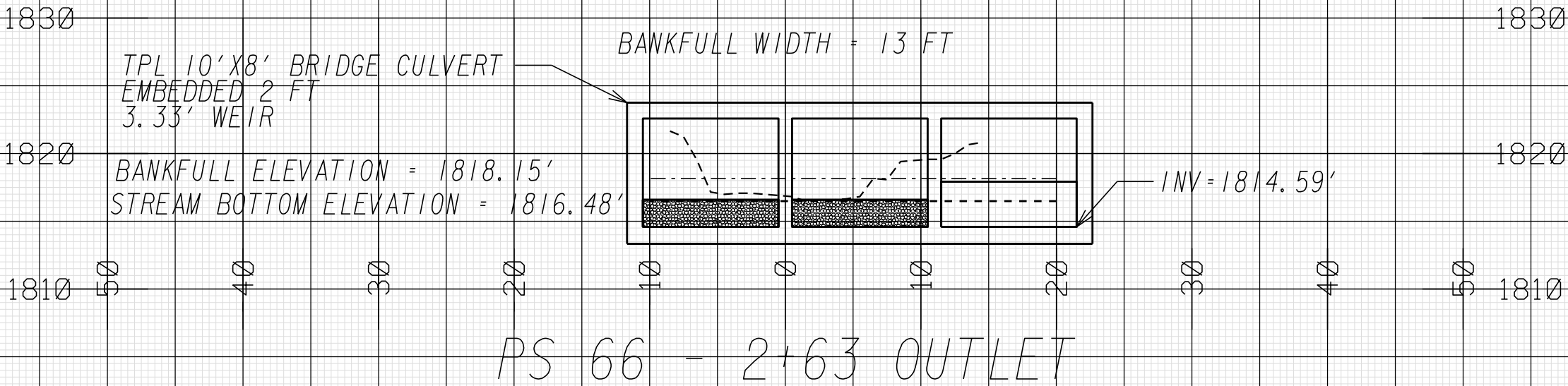
PERENNIAL STREAM 66: SHEET 39-0033: PS 66 TABLE OF CONTENTS SHEET 39-0034: PS 66 PLAN VIEW SHEET 39-0035: PS 66 EXISTING LONGITUDINAL PROFILE OF STREAM SHEET 39-0036: PS 66 COPY OF DRAINAGE PROFILE (CULVERT 48.1/48.2) SHEET 39-0037: PS 66 STREAM CROSS SECTIONS									
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COPY OF SHEET 22-0023. DO NOT USE FOR QUANTITIES.



LEGEND

STREAM BOTTOM ELEVATION

BANKFULL ELEVATION

EXISTING GROUND

DRAINAGE STRUCTURE

HNTB

191 PEACHTREE STREET, NE
SUITE 3300
ATLANTA, GEORGIA 30303

SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

SPECIAL DESIGN BOX CULVERT
PERENNIAL STREAM 66

PS66 CROSS SECTIONS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	39-0037
CORRECTED:	DATE:	
VERIFIED:	DATE:	

10/23/2015

GPLN