

**LEON COUNTY DEPARTMENT OF GROWTH AND ENVIRONMENTAL  
MANAGEMENT  
ENVIRONMENTAL MANAGEMENT PERMIT**

TO SPEAK TO AN ENVIRONMENTAL INSPECTOR CALL (850) 606-1300

**PERMIT EXPIRES: 01/31/2014**

Printed By: STAYSC

PERMIT EXPIRES THIRTY-SIX (36) MONTHS FROM ISSUANCE PER ARTICLES 5, SECTION 7-41 (4) (a) (1), ENVIRONMENTAL MANAGEMENT ACT  
**PERMIT #:** LEM1000081

**PROJECT NAME:** BANNERMAN/ BULL HEADLEY  
**Location:** BANNERMAN & BULL HEADLEY  
**PERMITTEE:** OWNER

**DATE ISSUED:** 02/01/2011  
**PARCEL TAX ID#:** 88-88-88-888-8888

**FEE INFORMATION:**

Short Form A Non Res:	\$0.00
Short Form B High:	\$0.00
Short Form B Low:	\$0.00
Standard Form:	\$2,388.00
Tree:	\$114.00
Landscape:	\$0.00
App/Resubmittal:	\$0.00
General Utility:	\$0.00
Discovery After the Fact:	\$0.00

**TOTAL FEES:** \$2,502.00  
**TOTAL PAYMENTS:** \$2,502.00  
**BALANCE:** \$0.00



*John P. Kraynak*  
John P. Kraynak, Director Environmental  
Compliance Division

**ACCEPTANCE OF THIS PERMIT ACKNOWLEDGES PERMISSION FOR LEON COUNTY PERSONNEL TO INSPECT AT REASONABLE TIMES THE PROPERTY AND WORK ASCRIBED IN THIS PERMIT. FAILURE TO POST THE PERMIT PLACARD IN A CONSPICUOUS PLACE ON-SITE OR FAILURE TO HAVE THE APPROVED PERMIT AND PLANS AVAILABLE ON-SITE MAY RESULT IN THE IMMEDIATE ISSUANCE OF A STOP-WORK ORDER.**

**BOARD OF COUNTY COMMISSIONERS  
LEON COUNTY**  
DEPARTMENT OF GROWTH AND ENVIRONMENTAL MANAGEMENT

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**BANNERMAN ROAD & BULL HEADLEY ROAD  
INTERSECTION IMPROVEMENTS**

**ENVIRONMENTAL MANAGEMENT PERMIT  
LEM 10-00081**

**-A Pre-Construction Conference with the County Environmental Inspector is Required-  
(Contact Fred Riggs @ 606-1358 or 544-0828)**

This environmental management permit authorizes construction of intersection improvements, new turn lane, sidewalk and associated stormwater infrastructure. The improvements are primarily located within Leon County right-of-way (ROW) in Leon County with limited work within acquired easements on parcels adjacent to the ROW consistent with the following attachments and exhibits:

Attachment A: Permit Conditions  
Exhibit A: Approved Plan (Permit Plan Set)

The permittee should be familiar with the permit conditions and all other attachments and exhibits included in this permit prior to the commencement of development activity. Failure to conform to this permit may cause appropriate enforcement action to be taken that could include a "Stop Work Order" or a "Notice of Violation".

Approved By:

  
\_\_\_\_\_  
John Kraynak, P.E., Director  
Environmental Compliance  
CMS

1/25/11  
Date

APPLICANT'S COPY

**ATTACHMENT "A"**  
**PERMIT CONDITIONS:**  
**BANNERMAN ROAD & BULL HEADLEY ROAD**  
**INTERSECTION IMPROVEMENTS**

**GENERAL CONDITIONS:**

1. The permittee shall conduct all development activity consistent with the "Environmental Management Act," Article VII, Chapter 10 of the Leon County Land Development Code. **Reference Section 10-4.105.**
2. *Posting of placards.* A placard indicating issuance of a valid permit shall be posted in a conspicuous place on site at all times during the development activity. **Reference Section 10-4.203(c)(1).**
3. *Permit and plans on-site.* A copy of the approved permit and plans (Exhibit "A" and subsequent approved contractor "Shop Drawings") shall be available on site at all times when any development activity is occurring on the site. **Reference Section 10-4.203(c)(2).**
4. *Notice of intent to proceed and Pre-Construction Conference.* A notice of intent to proceed shall be filed with the Director at least three (3) working days prior to initiation of any physical development activity on the site. The notice shall specify the site location and the permit number(s) applicable to the activity and shall specify the date and approximate time at which such physical development activity is to commence. A pre-construction conference will be scheduled and required prior to the commencement of any development activity. **Reference Section 10-4.203(c)(3).**
5. *Environmental Management Officer.* This individual shall be in responsible charge of all on-going work on the site and ensure that all work is proceeding according to the approved plans and permit. The designated environmental management officer must ensure that during such time as the officer is not personally present on the site a designated alternate remains in responsible charge of the project. For this project, the Environmental Management Officer shall be determined at the pre-construction conference. **Reference Section 10-4.203(c)(6).**
6. *Permit Expiration.* This Environmental Management Permit expires 36 months after issuance. **Reference Section 10-4.214(1)(a).**
7. *Extensions.* Permits may be extended, by request of the applicant and approval of the Director, for successive periods of time not to exceed 36 months each, provided the request for extension is made prior to the expiration of the prior approval and provided continuous good faith efforts have been made to complete the development. **Reference Section 10-4.214(1)(b).**
8. *Early expiration for cause.* If no substantial and readily observable site development activity has taken place within 18 months of the issuance of the permit or, once development is started, if no such development activity occurs for any 12 consecutive months, the Director may, after notifying the permittee and providing an opportunity for hearing, determine the permit to be expired and shall so notify the permittee. Such a permit may not thereafter be extended. **Reference Section 10-4.214(1)(c).**
9. *Effect of permit expiration.* Once a permit has expired, no further development activity may proceed on the permitted development site unless and until a new permit is received for the development site and activity. **Reference Section 10-4.214(3).**

10. *Continued responsibility under expired permit.* An expired permit shall not relieve the permittee from the responsibility of continued compliance with this permit and the Code. Where development has commenced and no final inspection completed before expiration of a permit, the permittee may be required to submit, and obtain the Director's approval of a new environmental management permit application or an application for amendment of the expired permit. As an option, the permittee may be required to complete and maintain the landscaping, trees, or stormwater management systems and facilities which were required by the expired permits, as necessary to prevent significant adverse environmental impacts as a result of development activity which has occurred on the site. **Reference Section 10-4.214(3).**
11. *Notice of transfer of permit.* No later than ten (10) days after the sale or legal transfer of property upon which a stormwater management facility has been, or is approved to be, constructed pursuant to a permit issued by the County, a notice of transfer of permit shall be submitted to the Director. The notice shall be made using a form provided by the Director. **Reference Section 10-4.214(5)(a).**
12. *Transfer liability.* Until a proper notice of permit transfer is provided to the Director, the permittee and any other person constructing, operating, or maintaining the permitted facility shall be liable for compliance with the terms of the permit. The permittee transferring the permit shall remain liable for corrective actions required as a result of any violations occurring prior to transfer. For facilities that have received final inspection approval prior to the time of legal transfer, the original permittee shall remain liable for performance of warranty obligations as set forth in **Section 4.208(d)** {f.k.a. 10-363(d)}, absent an express assumption of liability as to such warranty obligations by the subsequent holder of the property. **Reference Section 10-4.214(5)(b).**
13. *Amendments.* Any minor change or deviation from the approved plans shall require an amendment to this permit. Substantial changes, including significant increases in impervious area, changes in intended land use, modification of stormwater management system, new phases of development, or other additions, shall not be treated as amendments, but shall require a new permit application. **Reference Section 10-4.215.**
14. *During development.* All environmental management controls and facilities shall be maintained in a manner which will ensure proper functioning and protection from unnecessary environmental degradation, throughout the development process. **Reference Section 10-4.210(a).**
15. *Post-development.* Upon completion of development activities and construction, the permittee shall ensure that each site is properly stabilized, and that swales and other stormwater management features shown in the permit are in place in a manner consistent with the permit, approved plans and specifications. **Reference Section 10-4.210(b).**
16. *Post-construction inspection.* Prior to requesting a final inspection by the Director, the permittee shall have a qualified professional to personally inspect the site and facilities and certify as provided for in **Section 10-4.208(b).**

## SPECIFIC CONDITIONS:

1. *Permit Scope.* As shown in Exhibit "A" (the permit plan set), this permit authorizes construction of intersection improvements, new turn lane, sidewalk and associated stormwater infrastructure. The improvements are primarily located within Leon County right-of-way (ROW) in Leon County with limited work within acquired easements on parcels adjacent to the ROW. Retention stormwater swales are specified on the northern side of Bannerman Road and designed to meet stormwater treatment requirements for the portion of the project located within the Bradfordville Study Area (BSA). The stormwater swales are designed to recover the retention volume within 72 hours.
2. *Licensed contractors.* All excavation, grading work, and other site work shall be performed under the supervision of a certified or registered general contractor, building contractor, residential contractor, commercial or residential pool/spa contractor, or underground utility contractor, or by an excavation, grading and site contractor duly licensed by the County Contractors Licensing Board. **Reference Section 10-4.203(c)(5).**
3. *Notification of Easements.* A copy of any required easements, with proof of recording, shall be provided to the Director prior to final inspection. Where transfer of title for any affected parcel is proposed, the owner shall provide clear information to each prospective buyer prior to execution of any contracts, about the existence, impacts, and responsibilities associated with any easements on the property. A copy of the applicable easements shall be provided by the owner to each prospective purchaser prior to closing, and the copy shall be initialed by the parties and attached to such closing documents upon execution. **Reference Section 10-4.203(c)(8).**
4. *Stormwater management facility operating permit.* No stormwater management facility shall be utilized until a stormwater management operating permit is obtained. An operating permit is not required for facilities which have as their primary function the conveyance of stormwater, facilities under construction as part of an approved development plan, and temporary facilities which are part of an erosion and sediment control plan. **Reference Section 10-4.209(a).**
5. *Required disclaimers.* Any contract for the conveyance of title to land for which stormwater management is provided by a system or facility not maintained by the County or the City of Tallahassee shall contain the following statement: "Neither Leon County nor the City of Tallahassee is responsible for the maintenance, upkeep or improvement of any stormwater management facility utilized by the land described herein. Title to this property carries with it the requirement that the current and all subsequent owners or their authorized agent obtain a stormwater management facility operating permit from the County. The owner of this property shall be legally responsible, jointly with other owners using the facility and based on pro rata share, for compliance with all stormwater management facility operating permit maintenance and operation requirements, as well as all other permit conditions, unless such maintenance and operation obligations have been specifically assumed by some other entity pursuant to Director approval and appropriate documentation recorded in the public records of Leon County." **Reference Section 10-4.210(d).**
6. *Landscape and tree maintenance, if applicable.* All landscaping, landscaped areas, landscape development, buffer areas, and trees required as part of this permit shall be maintained and used pursuant to **Sections 10-4.348(b), 10-4.355, 10-4.209(f)(1)(h), 10-4.209(g)(7) and 10-4.211** of the Land Development Code and shall be checked for compliance during the operating permit renewal process.

7. *Stormwater Facility Performance.* The stormwater management system for the development activity permitted herein shall conform to the "Stormwater Management Plan" (Exhibit A).
8. *System Evaluation & Redesign.* At any time, should the County determine that the stormwater management system, stormwater pollution prevention plan, landscape plan, or any maintenance program is not functioning as designed, the County may request a system evaluation to determine compliance. The Permittee shall have thirty (30) days to evaluate the discrepancy and respond. Should the Permittee verify that a discrepancy exists, then the Permittee shall have sixty (60) days to redesign and implement the appropriate redesign necessary to correct the discrepancy. This process does not apply to any event of noncompliance with the permit and approved plans, in which case the enforcement provisions of the Environmental Management Act shall apply.
9. *Intergovernmental Transfer.* If at any time, the City of Tallahassee (the "City") annexes the permitted development into its corporate boundary, then this permit shall be transferred to the City with all provisions fully enforceable by the City. The City shall assume the role of the County in each provision of this permit.
10. *Termination of Permit.* The requirements, responsibilities and obligations of the Permittee in the General Conditions, Specific Conditions, and Special Conditions shall never expire with this permit. The Permittee may terminate such requirements, responsibilities and obligations either by an appropriate transfer as prescribed in Paragraph 12 of the General Conditions or by closing the development in a manner guaranteeing the preservation of natural areas, conservation easement areas, and/or other protected areas. Such closure shall require the submittal and approval of a short form environmental management permit which states appropriate plans to close the project in manner that will ensure compliance with the Environmental Management Act upon and after termination of responsibility. **Reference Section 10-4.214(1)(c).**
11. *Other Permits.* This permit is issued with the condition that the applicant procure and comply with all other necessary federal, state, and local agency permits, including but not limited to the Florida Department of Environmental Protection (FDEP) permit, Florida Department of Transportation (FDOT) drainage and/or access connection permits, NPDES permit and Leon County driveway connection permit. These permits must be provided prior to the start of construction. **Reference Section 10-4.201(f).**
12. *Construction Sequence.* All stormwater facilities shall be constructed and functioning prior to any clearing (with the exception of clearing for the stormwater ponds), and prior to the start of the building construction, roadway construction or any other development activity as defined in the Environmental Management Act. Phased stormwater facility construction may be allowed with prior written consent by the Director provided that each phase is fully sustainable, meets the applicable stormwater standards and provides no adverse downstream impacts. This condition supersedes any other permit conditions and plans related to this topic. In the event of a conflict between this condition and any other condition in the permit or plans, this condition will overrule.

## **SPECIAL CONDITIONS:**

This permit covers environmental review for construction of intersection improvements, new turn lane, sidewalk and associated stormwater infrastructure as shown in Exhibit "A" (the permit plan set). The improvements are primarily located within Leon County right-of-way (ROW) in Leon County with limited work within acquired easements on parcels adjacent to the ROW. Retention stormwater swales are specified on the northern side of Bannerman Road and designed to meet stormwater treatment requirements for the portion of the project located within the Bradfordville Study Area (BSA). The stormwater swales are designed to recover the retention volume within 72 hours.

1. As used herein, the term "permittee" shall refer to the Leon County Public Works Department. The permittee shall ensure that all contractors and other agents authorized by the permittee to conduct the permitted development activities abide by the terms and conditions of this permit.
2. The permittee or permittee's authorized agent shall contact the County Environmental Inspector to arrange a pre-construction conference. The County Environmental Inspector for this project will be Mr. Fred Riggs who may be contacted at (850) 606-1358 (cell phone 544-0828).
3. **As specified in General Note 19 of the Permit Plan Cover Sheet, project staging activity in areas outside of the county right-of way and defined project area may require a separate environmental management permit from Leon County Growth and Environmental Management (LCGEM). LCGEM should be contacted regarding any proposed staging activity outside of the project area prior to construction commencement.**
4. Additional silt fences or other sediment/erosion control devices and measures may be required during project construction, as specified by the County Environmental Inspector.
5. During the pre-construction conference, and prior to commencement of construction, copies of permits from other agencies as required (example FDOT, NFWFMD, etc.) shall be submitted to the environmental inspector.
6. Sediment control measures shall be sufficient to prevent the tracking or direct flow of mud and sediments onto the public streets or drainage ditches. Any sediments or mud spilled, dropped, washed, or tracked from any vehicles onto the public streets or into the public drainage system shall be recovered and cleaned-up immediately.
7. **Payment into the Leon County Tree Bank to mitigate the removal of protected trees associated with the project shall be completed no later than the time of as-built and operating permit application submittal.**
8. **The permittee shall acquire all of the necessary property rights/right-of-way acquisition prior to construction commencement. The permittee shall supply copies of legal documents to LCGEM prior to the pre-construction conference demonstrating that sufficient property rights/right-of-way acquisition have been obtained to conduct the permitted work.**
9. Notwithstanding the general and specific conditions contained in this permit, this project will require submittal of as-built plans (record drawings) and a stormwater operating permit application for the stormwater swale retention system. These should be submitted to the Director at least 20 days prior to the permittee/applicant's request for final inspection. All landscaping shall be completed prior to final inspection.

11 JAN 14 AM 9:34

**Components of Plans Set**  
Roadway Plans  
Signalization Plans

APPROVED: John Kravak  
 PERMIT # LF110-00081  
 DATE 1/25/11  
 Special Conditions Exist For This Permit. Refer to Exhibit(s):  
SEE ATTACHMENT A

# BANNERMAN ROAD & BULL HEADLEY ROAD INTERSECTION IMPROVEMENTS

**EXHIBIT A**

APPLICANT'S COPY

**GENERAL NOTES:**

- PROJECT BENCHMARK: NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88) BM LEO 121 ELEV. 216.27
- EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
- THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND DETERMINE THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES AND PROVIDE FOR PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION. UTILITIES ARE TO BE ADJUSTED BY OTHERS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL UTILITY COORDINATION. THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS THROUGH SUNSHINE STATE ONE CALL OF FLORIDA, INC. (1-800-432-4770, UNIVERSAL NUMBER 811) TWO BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS AT THE TELEPHONE NUMBERS LISTED BELOW TWO BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.

AGENCY	CONTACT	TELEPHONE NO.
CITY OF TALLAHASSEE WATER UTILITY	TOMMY CRADY	850-694-8008
LEON COUNTY PUBLIC WORKS	BETSY THORPE	850-606-1500
CENTURY LINK	BILL McCLOUD	850-599-1444
TALQUIN ELECTRIC	DALE BENTON	850-562-2119
COMCAST	PHIL CARTER	850-574-4030
CITY OF TALLAHASSEE UTILITY SERVICE	GARY BURNS	850-891-5130
CITY OF TALLAHASSEE TRAFFIC	TOMMY SMITH	850-891-5349

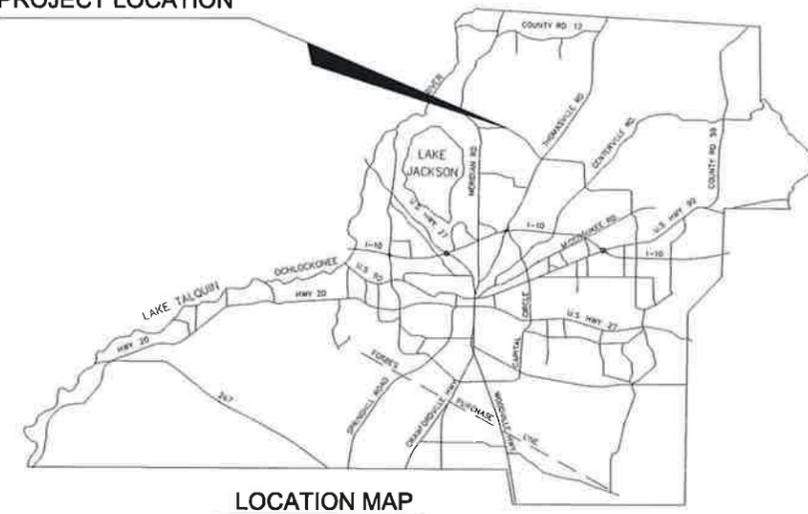
- ANY PUBLIC LAND CORNER OR BENCHMARK WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED BY CONTRACTOR. ANY BENCHMARKS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- EXISTING DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT SHALL REMAIN AND IF DISTURBED BE REPLACED IN KIND UNLESS OTHERWISE SHOWN IN THE PLANS.
- THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE CONSTRUCTION EFFORTS WITH OTHER CONTRACTORS THAT HAVE BEEN ISSUED A PERMIT WITHIN THE LIMITS OF THIS PROJECT. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL CONSTRUCTION SCHEDULES. ALL COST INCURRED BY THE CONTRACTOR FOR THE COORDINATION EFFORTS SHALL BE INCIDENTAL TO EXISTING PAY ITEMS. NO RIGHT-OF-WAY PLACEMENT PERMIT WILL BE REQUIRED WHEN THE UTILITIES RELOCATION PLANS ARE INCLUDED IN THE APPROVED CONSTRUCTION PLANS.
- THE CONTRACTOR SHALL MAINTAIN AND KEEP STREET NAME IDENTIFICATION VISIBLE DURING CONSTRUCTION OPERATIONS, IN ORDER TO FACILITATE EMERGENCY VEHICLE TRAFFIC.
- THE CONTRACTOR SHALL NOT BRING HAZARDOUS MATERIALS ONTO THE PROJECT. SHOULD THE CONTRACTOR REQUIRE SUCH FOR PERFORMING THE CONTRACT WORK, THE CONTRACTOR SHALL REQUEST, IN WRITING, WRITTEN PERMISSION FROM THE ENGINEER AND SUBMIT A MATERIAL SAFETY DATA SHEET (MSDS) FOR EACH MATERIAL PROPOSED FOR USE. THE CONTRACTOR SHALL PROVIDE EACH HAZARDOUS MATERIAL PROPOSED FOR USE. BECAUSE STATE LAW DOES NOT TREAT PETROLEUM PRODUCTS THAT ARE PROPERLY CONTAINERIZED AND INTENDED FOR EQUIPMENT USE AS A HAZARDOUS MATERIAL, SUCH PRODUCTS DO NOT NEED A MATERIAL SAFETY DATA SHEET (MSDS) SUBMITTAL.
- THE CONTRACTOR SHALL NOTIFY PBS&J, THE ENGINEER OF RECORD, THREE WEEKS PRIOR TO REQUESTING A SUBSTANTIAL COMPLETION INSPECTION. AT THAT TIME, PBS&J WILL NOTIFY ALLEN NOBLES CONSULTING GROUP TO PERFORM AN AS BUILT SURVEY OF ALL IMPROVEMENTS.
- ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER, WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE ENGINEER IS TO NOTIFY LEON COUNTY OF THE DISCOVERY. LEON COUNTY WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION AND REMEDIATION OF THE HAZARDOUS MATERIAL.
- ALL AREAS OUTSIDE THE CONSTRUCTION LIMITS CHANGED OR DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST.
- ALL LANES MUST BE REOPENED TO NORMAL TRAFFIC DURING AN EVACUATION NOTICE OF A HURRICANE OR OTHER CATASTROPHIC EVENTS AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENTS AS DIRECTED BY THE ENGINEER.
- ALL EXISTING SIGNS TO BE RELOCATED IN ACCORDANCE WITH FDOT STANDARD INDEX 17302 UNLESS OTHERWISE NOTED IN THE PLANS.
- ALL EXCESS MATERIALS SHALL BE REMOVED FROM THE SITE AT THE CONTRACTORS EXPENSE.
- UTILITY AND COUNTY OWNED MANHOLES AND VALVE COVERS SHALL BE RAISED TO THE FINAL GRADE PRIOR TO PLACEMENT OF THE FRICTION COURSE.
- PRIOR TO ANY CONSTRUCTION ACTIVITIES, A PRE-CONSTRUCTION MEETING WILL BE HELD ON-SITE.
- ALL MANHOLE & INLET BOTTOMS SHALL BE GROUTED TO ELIMINATE DEAD SPACE.
- STAGING AREA(S) SHALL BE DISCUSSED WITH AND APPROVED BY THE COUNTY ENVIRONMENTAL INSPECTOR DURING THE PRE-CONSTRUCTION CONFERENCE AND PRIOR TO CONSTRUCTION COMMENCEMENT.
- STAGING IN AREAS OUTSIDE OF THE RIGHT-OF-WAY AND DEFINED PROJECT AREA MAY REQUIRE A SEPARATE ENVIRONMENTAL MANAGEMENT PERMIT FROM LCGEM PRIOR TO USE OF THE STAGING AREA. LCGEM ENVIRONMENTAL COMPLIANCE DIVISION SHOULD BE CONTACTED REGARDING ANY PROPOSED OFF-SITE STAGING AREAS TO DETERMINE PERMITTING REQUIREMENTS PRIOR TO CONSTRUCTION COMMENCEMENT.
- CONTRACTOR SHALL REMOVE EXCAVATED MATERIAL FROM THE SITE AND DISPOSE OF AT A PERMITTED LOCATION.
- WORKING HOURS SHALL BE FROM 9:00 AM TO 4:00 PM, MONDAY THROUGH FRIDAY. HOWEVER, UPON REQUEST OF THE CONTRACTOR, THE ENGINEER OR HIS DESIGNEE MAY CONSIDER AN ALTERNATIVE TO THESE WORKING HOURS BASED ON THE TIME OF THE YEAR, SITE, WEATHER, AND TRAFFIC CONDITIONS.



- Commissioners:
- Bill Proctor District 1
  - Jane G. Sauts District 2
  - John E. Dalley District 3
  - Bryan Desloge District 4
  - Kristin Dozier District 5
  - Nick Maddox At-Large
  - Akin Akinyemi At-Large

Parwaz Alam  
County Administrator  
  
Herbert W. A. Thiele  
County Attorney  
  
Tony Park, P.E.  
Public Works Director

**PROJECT LOCATION**



LOCATION MAP

**Index of Roadway Plans**

Sheet	Sheet Description
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12	Stormwater Management Plan
13	Right-of-Way Detail
14-34	Roadway Cross Sections
35-38	Erosion Control & Tree Protection Plan
39	Erosion Control & Tree Protection Details
40-52	Traffic Control Plan
53	Signing & Pavement Marking Plan
54-58	Utility Plan

## LEON COUNTY

Department of Public Works  
Division of Engineering Services

Public Works Center  
2280 Miccosukee Road, Tallahassee, FL 32308-5310  
Ph: (850)606-1500 Fax: (850)606-1501  
Web: <http://www.leoncountyfl.gov>

ENGINEER OF RECORD  
Matthew M. Johnson  
MATTHEW M. JOHNSON, P.E. #69754

Date: 1/22/11

**FINAL SUBMITTAL**

**GOVERNING STANDARDS AND SPECIFICATIONS**

Florida Department of Transportation (FDOT) Design Standards dated January 2010, and Standard Specifications For Road and Bridge Construction dated 2010, as amended by contract documents.

**TRAFFIC DATA**

DESIGN SPEED = 35 MPH  
POSTED SPEED = 35 MPH

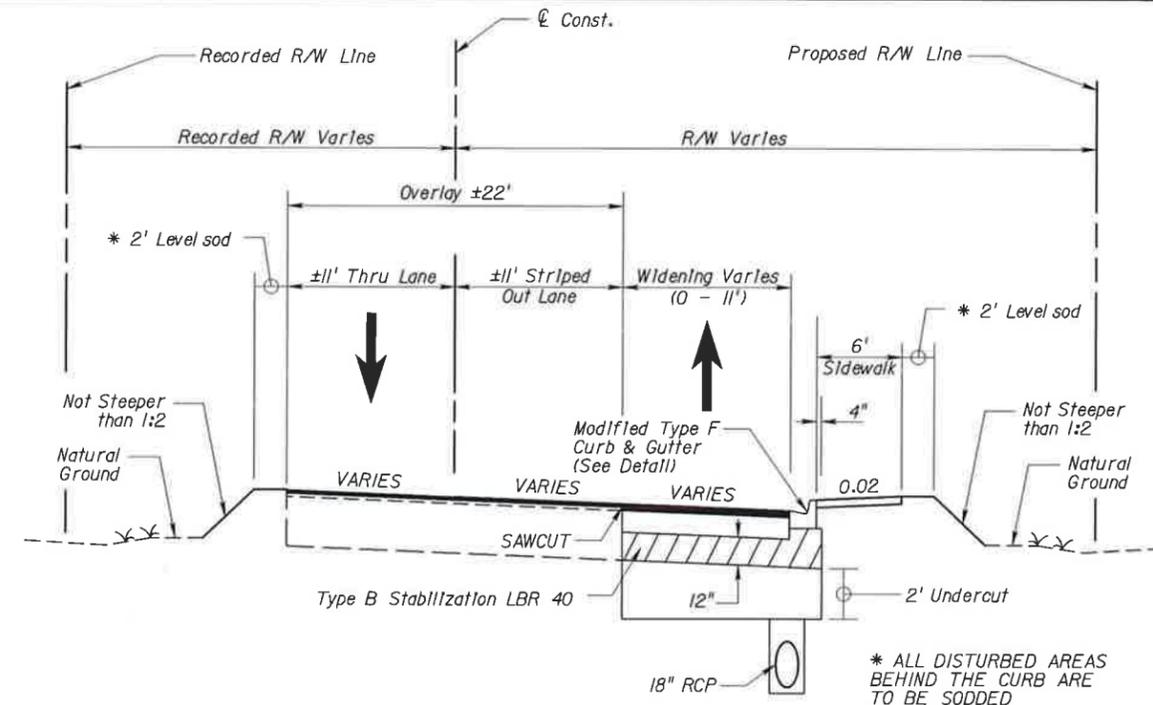
**WIDENING**

12" TYPE B STABILIZATION (LBR 40)  
OPTIONAL BASE GROUP 6 WITH  
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC B) (2")  
AND FRICTION COURSE FC-9.5 (1")

NOTE: SAWCUT EXISTING EDGE OF PAVEMENT TO ENSURE  
A CLEAN EDGE FOR WIDENING PAVEMENT

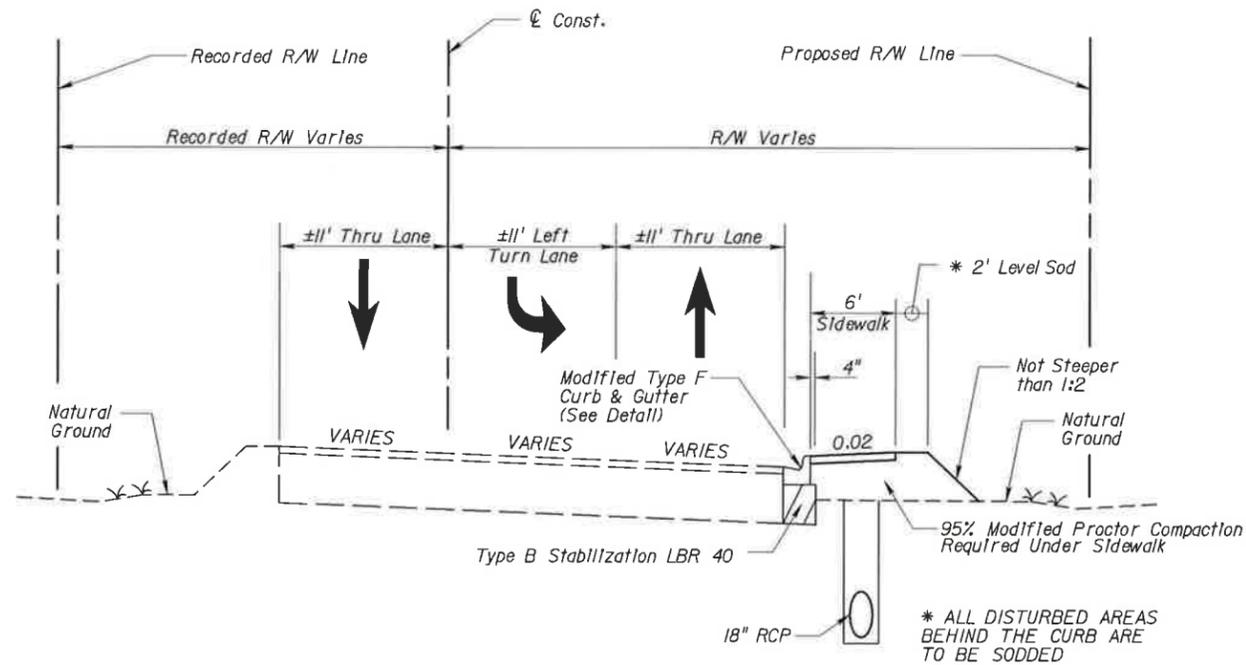
**OVERLAY**

TYPE SP-9.5 STRUCTURAL COURSE (TRAFFIC B) (1")  
AND FRICTION COURSE FC-9.5 (1")



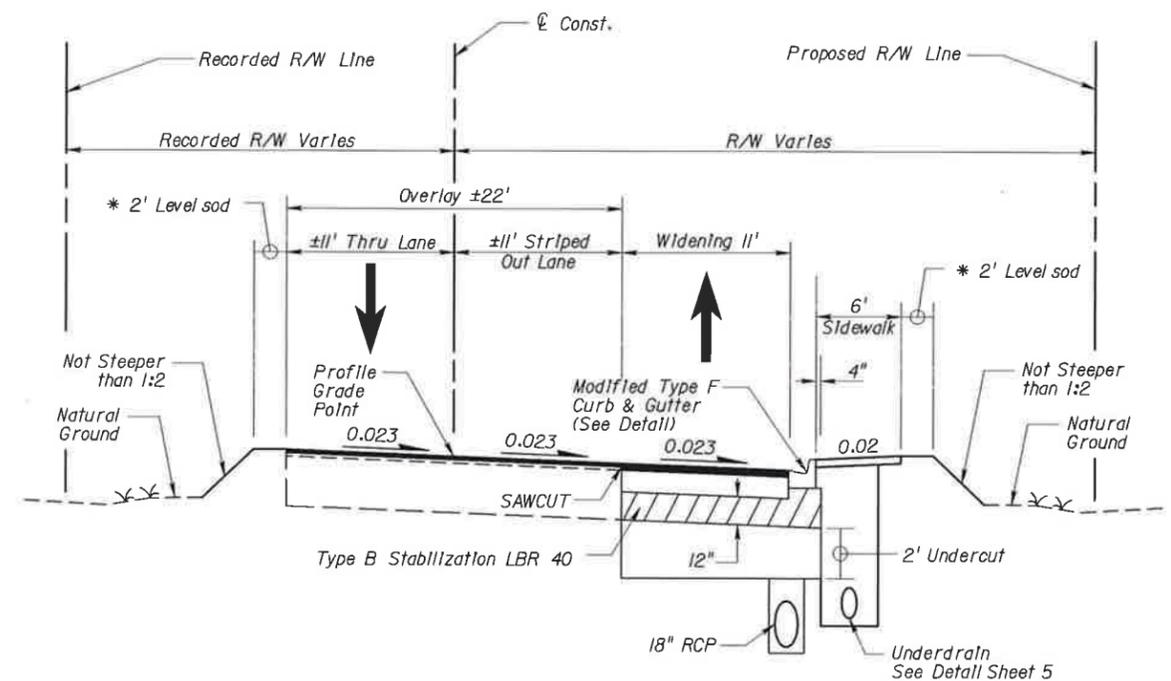
**TYPICAL SECTION NO. 2**

STA. 88+80.00 TO STA. 93+00.00



**TYPICAL SECTION NO. 1**

STA. 86+49.86 TO STA. 88+80.00



**TYPICAL SECTION NO. 3**

STA. 93+00.00 TO STA. 94+10.00

*Matthew M. Johnson*  
1/12/11

\* ALL DISTURBED AREAS  
BEHIND THE CURB ARE  
TO BE SODDED

NOT TO SCALE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record:  
**PBSJ**  
Certificate of Authorization No. 24

MATTHEW M. JOHNSON  
P.E. # 69754  
2639 N. MONROE ST. BLDG C  
TALLAHASSEE, FL 32303  
(850) 575-1800  
www.pbsj.com



**LEON COUNTY**  
CONSTRUCTION PLANS FOR:  
BANNERMAN & BULL HEADLEY  
INTERSECTION IMPROVEMENTS

**BANNERMAN & BULL HEADLEY**  
**TYPICAL SECTIONS & DETAILS**

SHEET NO.  
2

**TRAFFIC DATA**

DESIGN SPEED = 35 MPH  
POSTED SPEED = 35 MPH

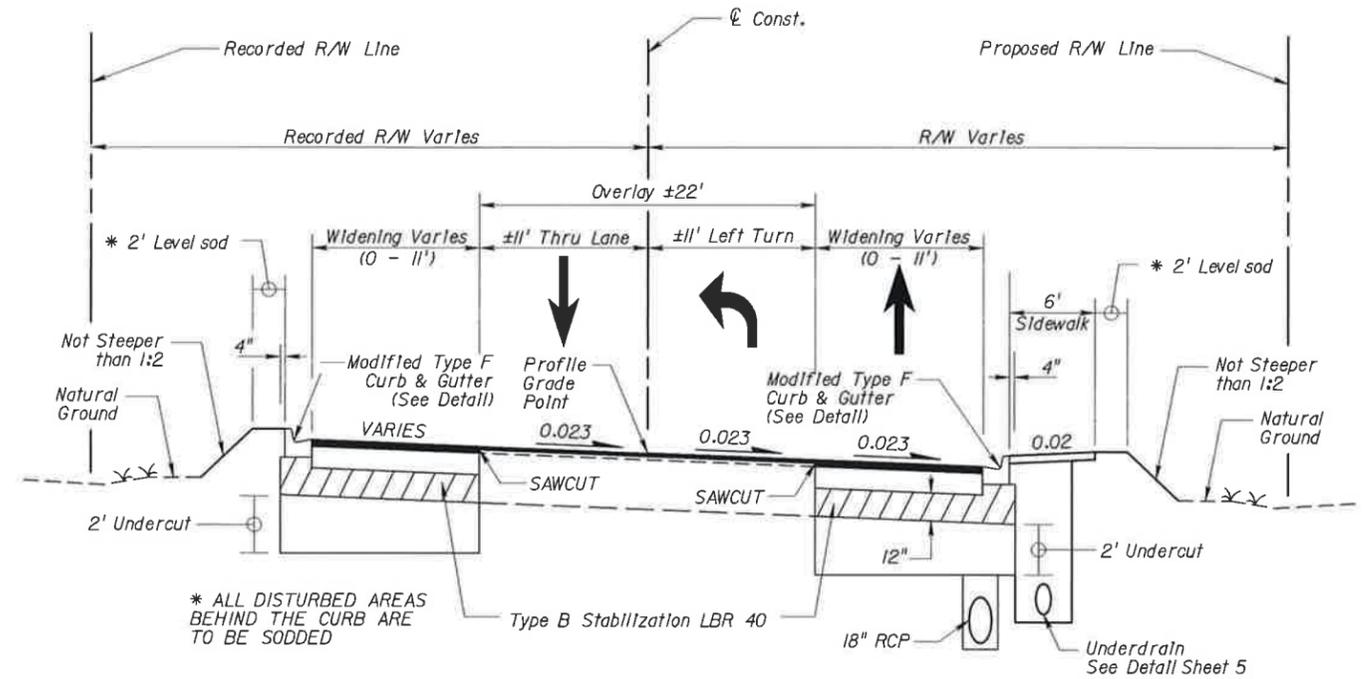
**WIDENING**

12" TYPE B STABILIZATION (LBR 40)  
OPTIONAL BASE GROUP 6 WITH  
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC B) (2")  
AND FRICTION COURSE FC-9.5 (1")

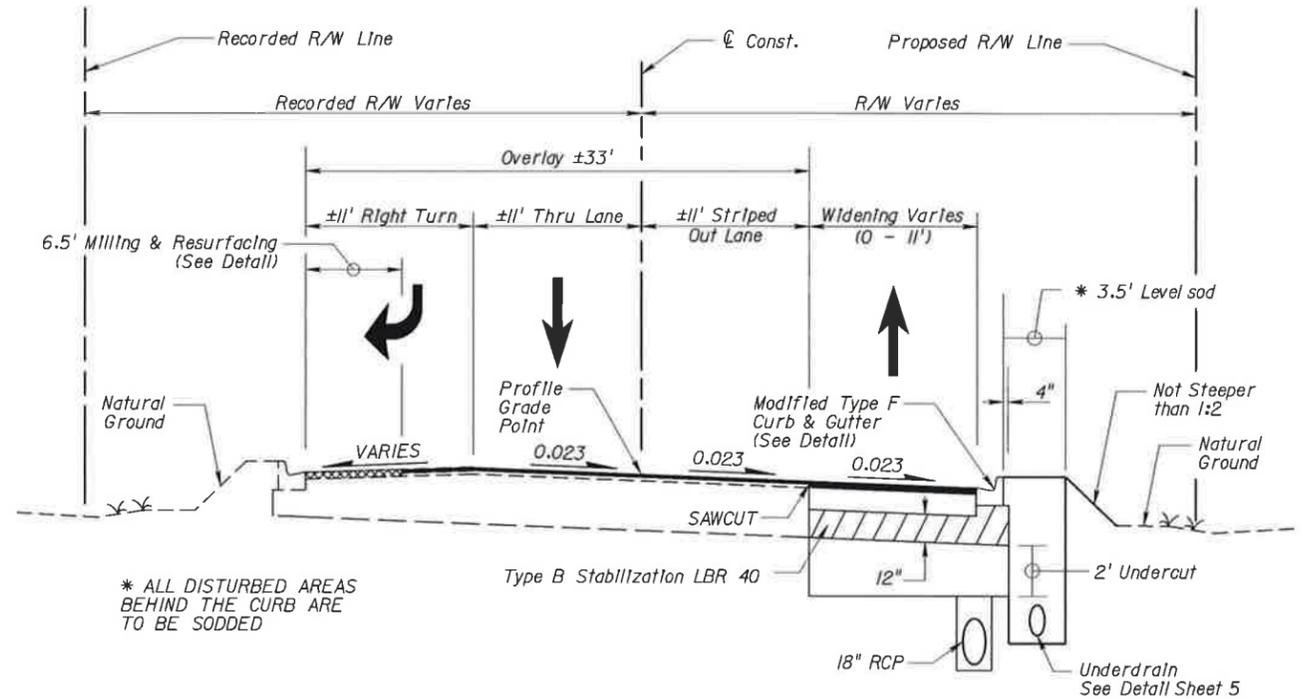
NOTE: SAWCUT EXISTING EDGE OF PAVEMENT TO ENSURE  
A CLEAN EDGE FOR WIDENING PAVEMENT

**OVERLAY**

TYPE SP-9.5 STRUCTURAL COURSE (TRAFFIC B) (1")  
AND FRICTION COURSE FC-9.5 (1")



**TYPICAL SECTION NO. 4**  
**STA. 94+10.00 TO STA. 97+47.49**



**TYPICAL SECTION NO. 5**  
**STA. 97+47.49 TO STA. 100+28.96**

*Matthew Johnson*  
1/12/11

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

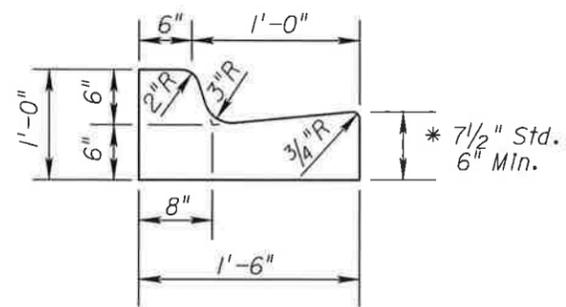
Engineer of Record: **MATTHEW M. JOHNSON**  
P.E. # 69754  
2639 N. MONROE ST. BLDG C  
TALLAHASSEE, FL 32303  
(850) 575-1800  
www.pbsj.com  
Certificate of Authorization No. 24



**LEON COUNTY**  
CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY INTERSECTION IMPROVEMENTS**

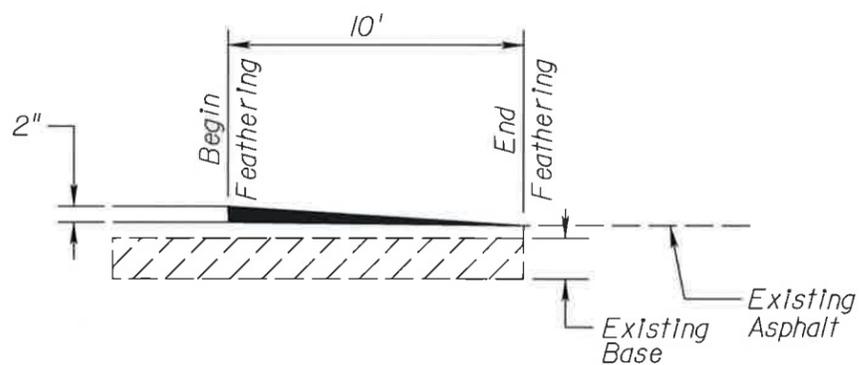
**BANNERMAN & BULL HEADLEY**  
**TYPICAL SECTIONS & DETAILS**

SHEET NO.  
**3**



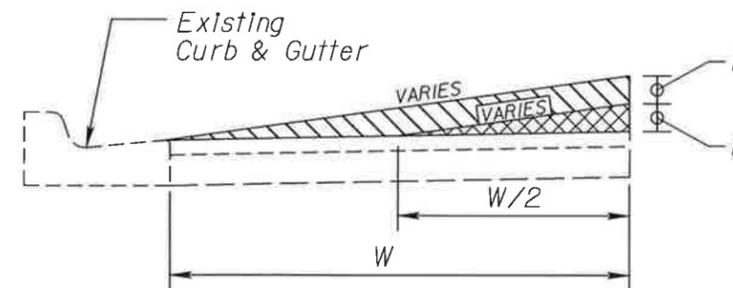
**MODIFIED TYPE F  
CURB & GUTTER DETAIL**

\* When used on high side of roadways, the cross slope of the gutter shall match the cross slope of the adjacent pavement. The thickness of the lip shall be 6" unless otherwise shown on plans.



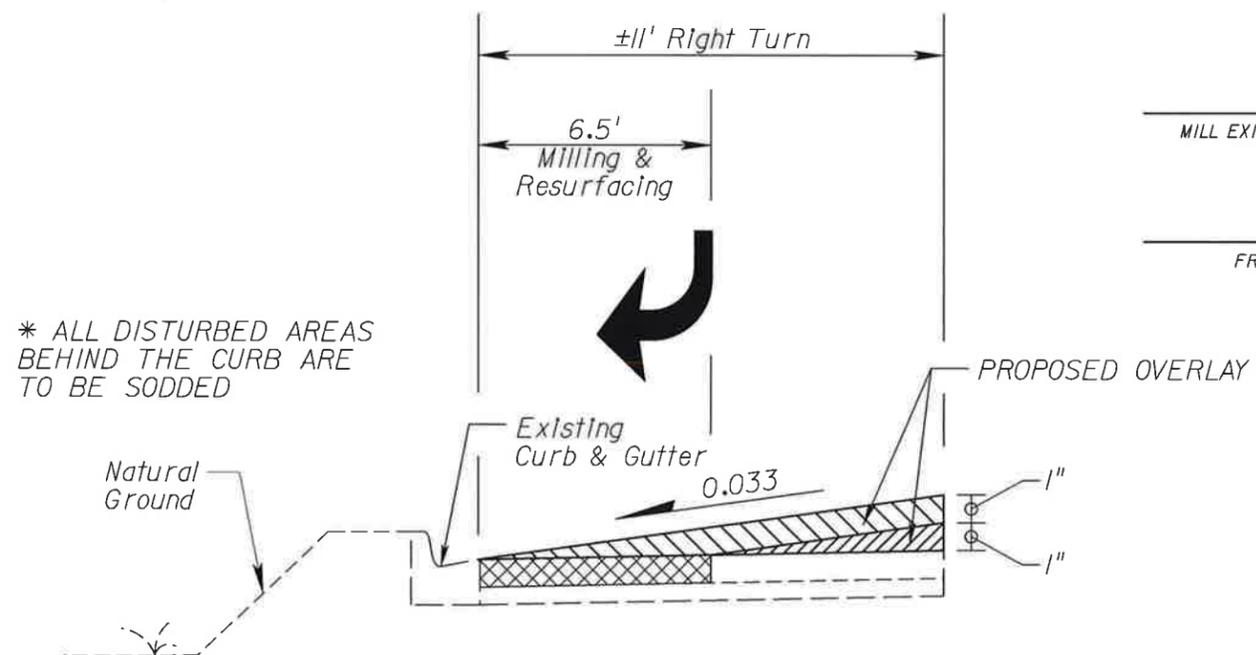
**ASPHALT FEATHERING DETAIL**

BEGIN/END CONSTRUCTION



**OVERBUILD DETAIL**

WESTBOUND RIGHT-TURN LANE



\* ALL DISTURBED AREAS BEHIND THE CURB ARE TO BE SODDED

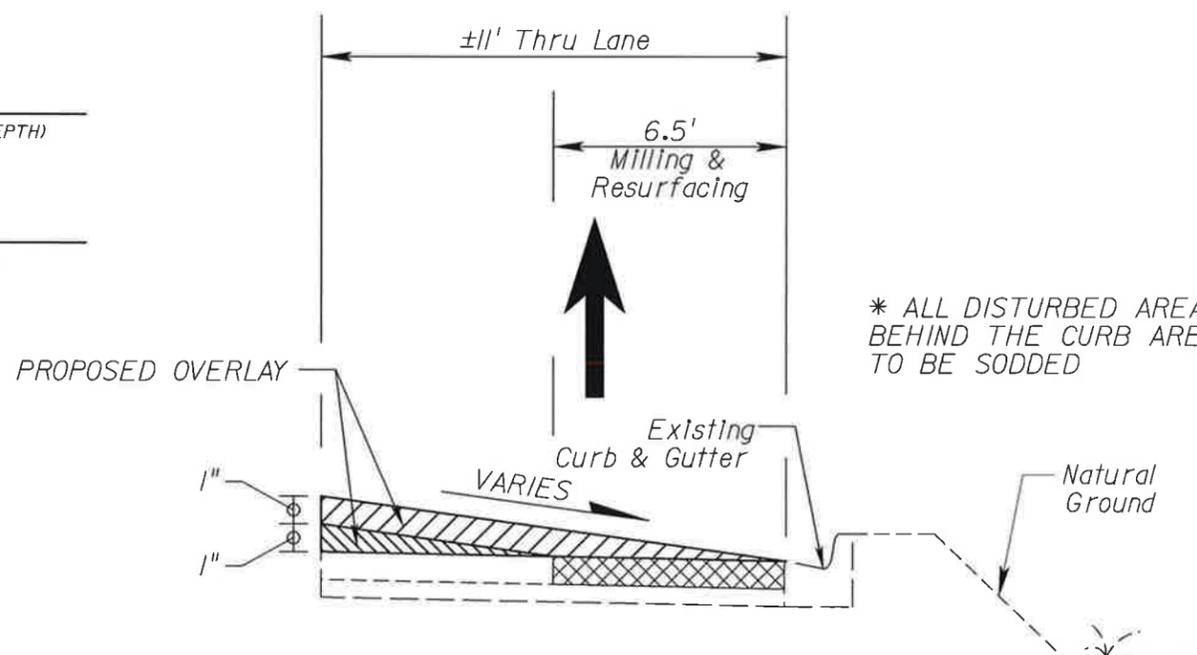
**MILLING & RESURFACING DETAIL  
BANNERMAN ROAD**

STA. 98+00.00 TO STA. 99+57.17

*Matthew M. Johnson*  
1/12/11

**MILLING**  
MILL EXISTING ASPHALT (1" AVG. DEPTH)

**RESURFACING**  
FRICTION COURSE FC-9.5 (1")



\* ALL DISTURBED AREAS BEHIND THE CURB ARE TO BE SODDED

**MILLING & RESURFACING DETAIL  
BULL HEADLEY ROAD**

STA. 10+21.46 TO STA. 10+54.95

NOT TO SCALE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

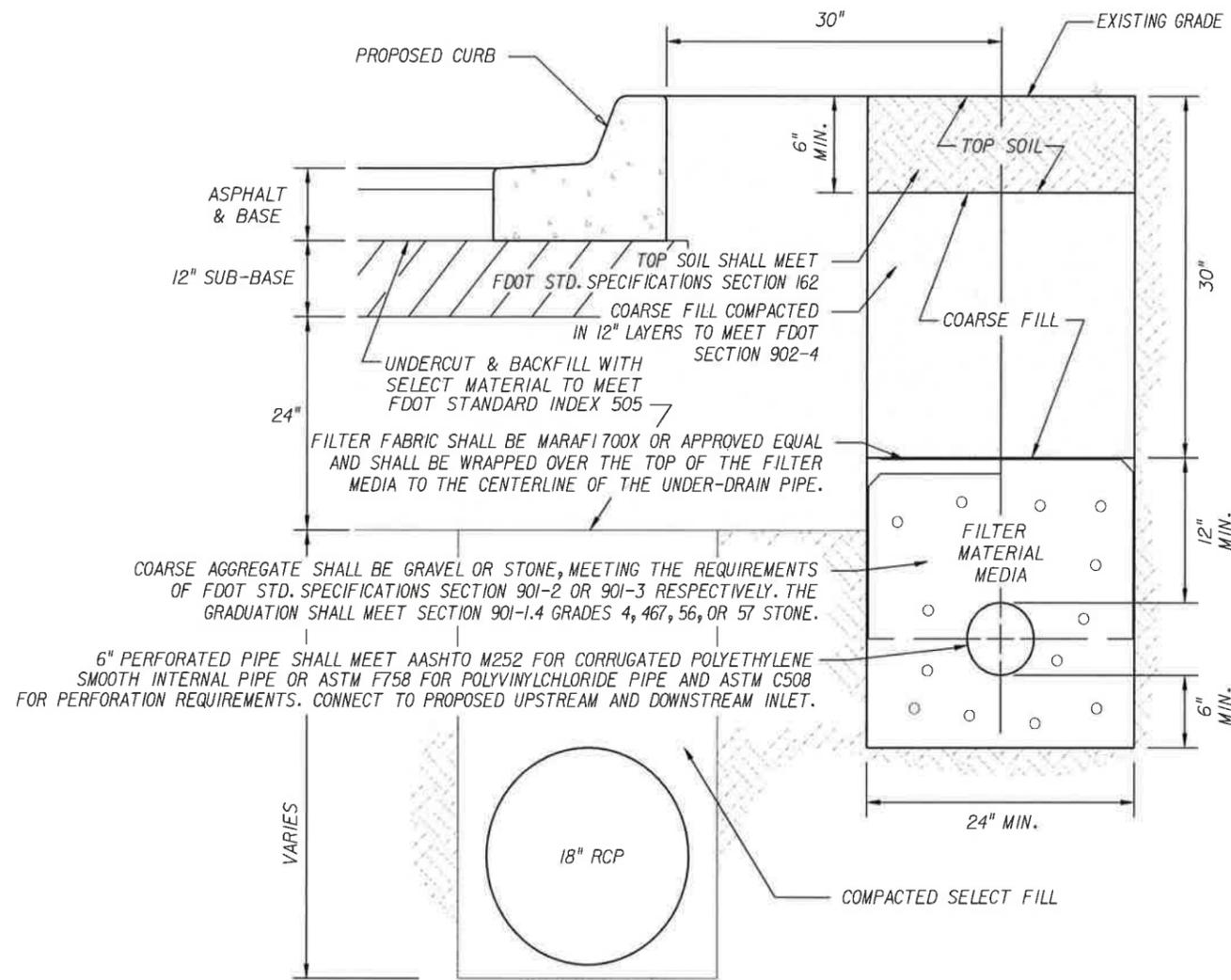
Engineer of Record:  
**PBSJ**  
MATTHEW M. JOHNSON  
P.E. # 69754  
2539 N. MONROE ST. BLDG C  
TALLAHASSEE, FL 32303  
(850) 575-1800  
www.pbsj.com  
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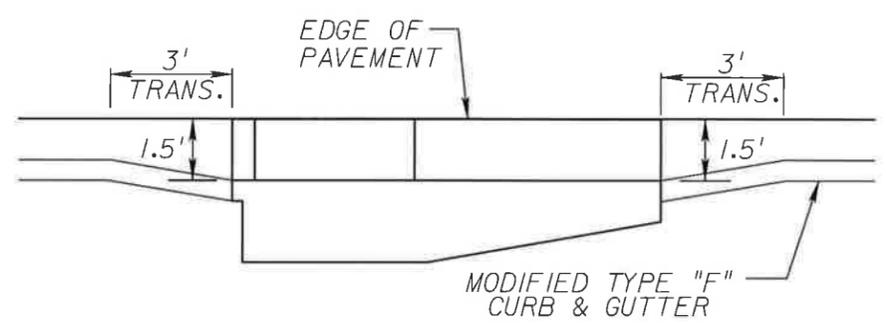
**LEON COUNTY**  
CONSTRUCTION PLANS FOR:  
BANNERMAN & BULL HEADLEY  
INTERSECTION IMPROVEMENTS

**BANNERMAN & BULL HEADLEY  
TYPICAL DETAILS**

SHEET NO.  
4



**UNDERDRAIN DETAIL**  
 STA. 93+00.00 TO STA. 99+00.00 (RIGHT)



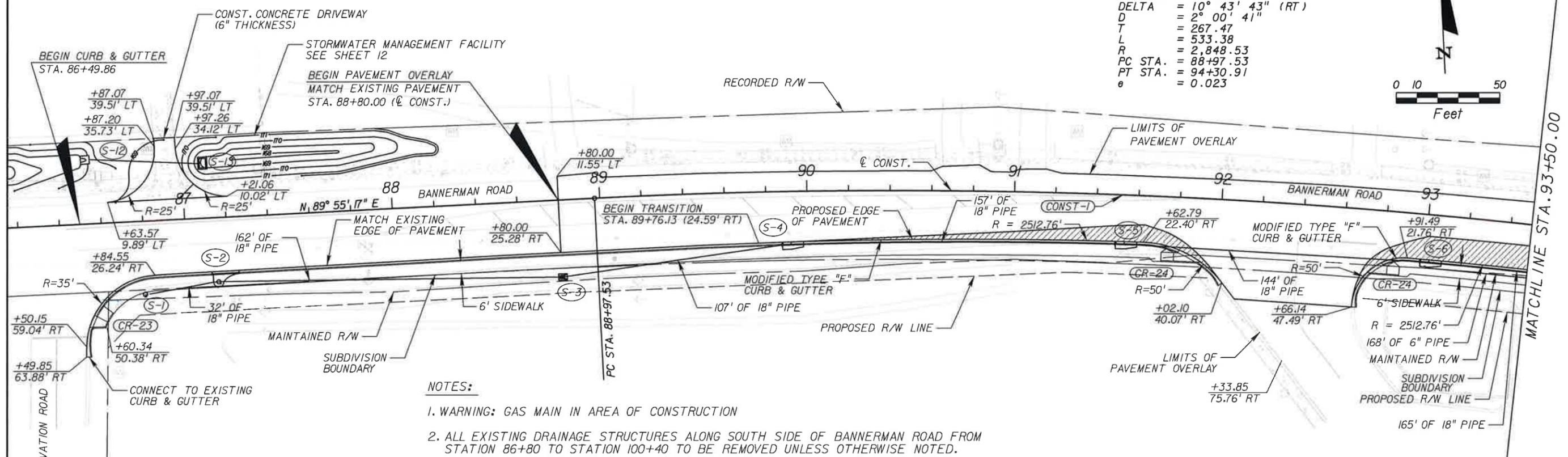
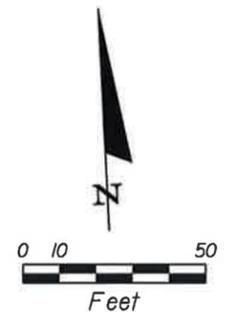
**INLET TYPE 5**  
**GUTTER TRANSITION DETAIL**

*Matthew M. Johnson*  
 1/12/11

NOT TO SCALE

REVISIONS						Engineer of Record: <b>PBS&amp;J</b> Certificate of Authorization No. 24	MATTHEW M. JOHNSON P.E. # 69754 2639 N. MONROE ST. BLDG C TALLAHASSEE, FL 32303 (850) 575-1800 www.pbsj.com		<b>LEON COUNTY</b> CONSTRUCTION PLANS FOR: BANNERMAN & BULL HEADLEY INTERSECTION IMPROVEMENTS	<b>BANNERMAN &amp; BULL HEADLEY</b> <b>DRAINAGE DETAILS</b>	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION						5

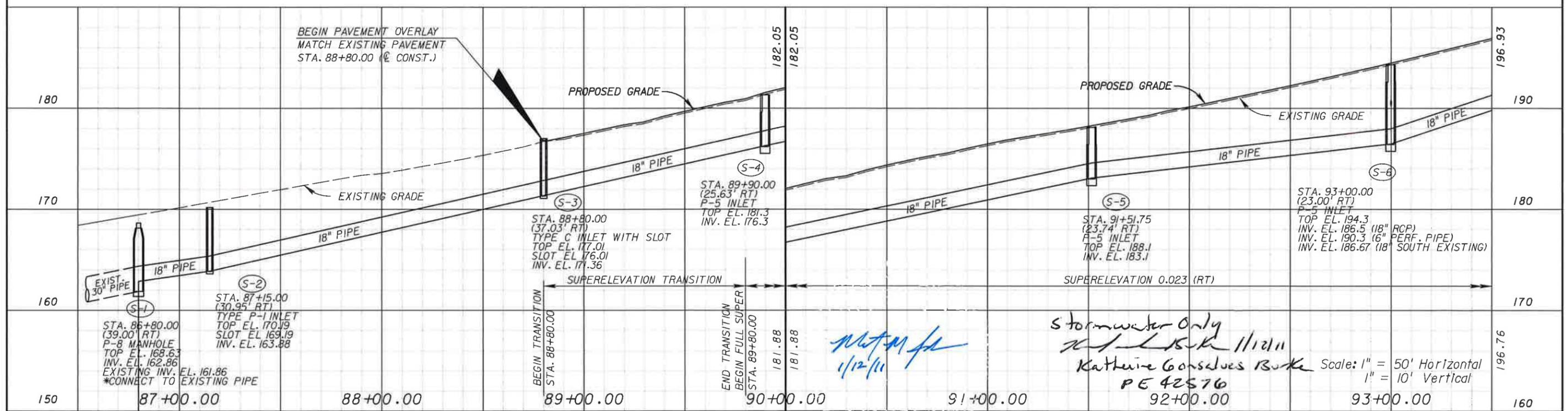
@ CONST. = CONST-1  
 CURVE = 91+65.00  
 PI STA. = 91+65.00  
 DELTA = 10° 43' 43" (RT)  
 D = 2° 00' 41"  
 T = 267.47  
 L = 533.38  
 R = 2,848.53  
 PC STA. = 88+97.53  
 PT STA. = 94+30.91  
 e = 0.023



**NOTES:**

1. WARNING: GAS MAIN IN AREA OF CONSTRUCTION
2. ALL EXISTING DRAINAGE STRUCTURES ALONG SOUTH SIDE OF BANNERMAN ROAD FROM STATION 86+80 TO STATION 100+40 TO BE REMOVED UNLESS OTHERWISE NOTED.
3. CITY OF TALLAHASSEE ISS FIBER OPTIC AERIAL CABLE LOCATED ON ELECTRIC POWER POLES SHALL BE MAINTAINED AT ALL TIMES. ANY DISRUPTION OF THESE CABLES SHALL BE REPORTED IMMEDIATELY.

PAVEMENT WIDENING



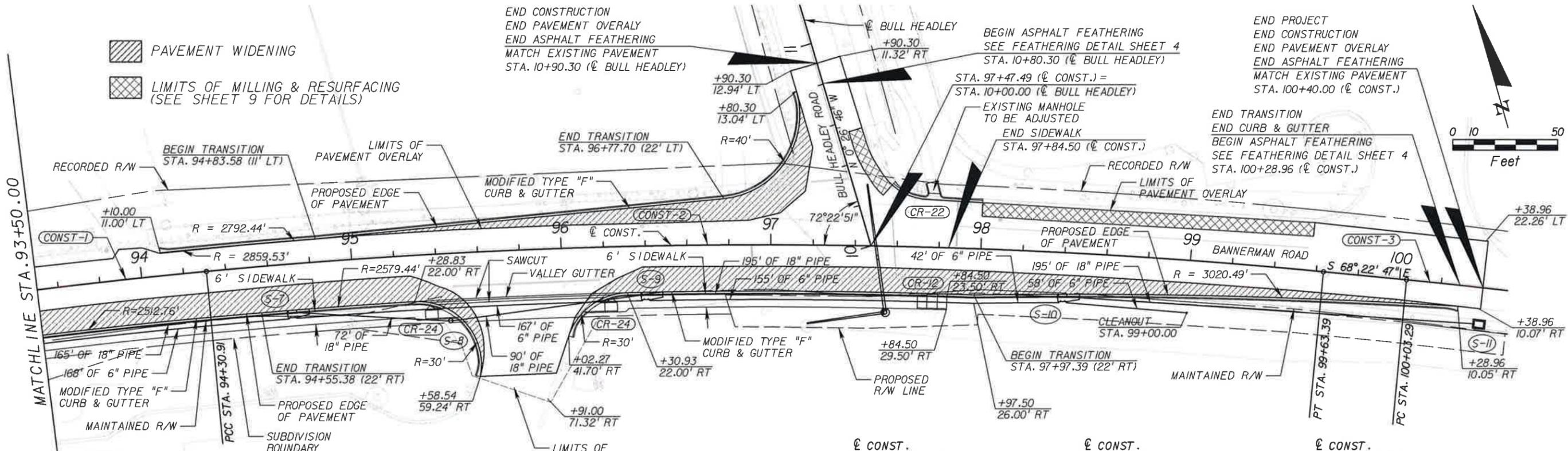
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record: **MATTHEW M. JOHNSON**  
 P.E. # 69754  
 2639 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
 (850) 575-1800  
 www.pbsj.com  
 Certificate of Authorization No. 24



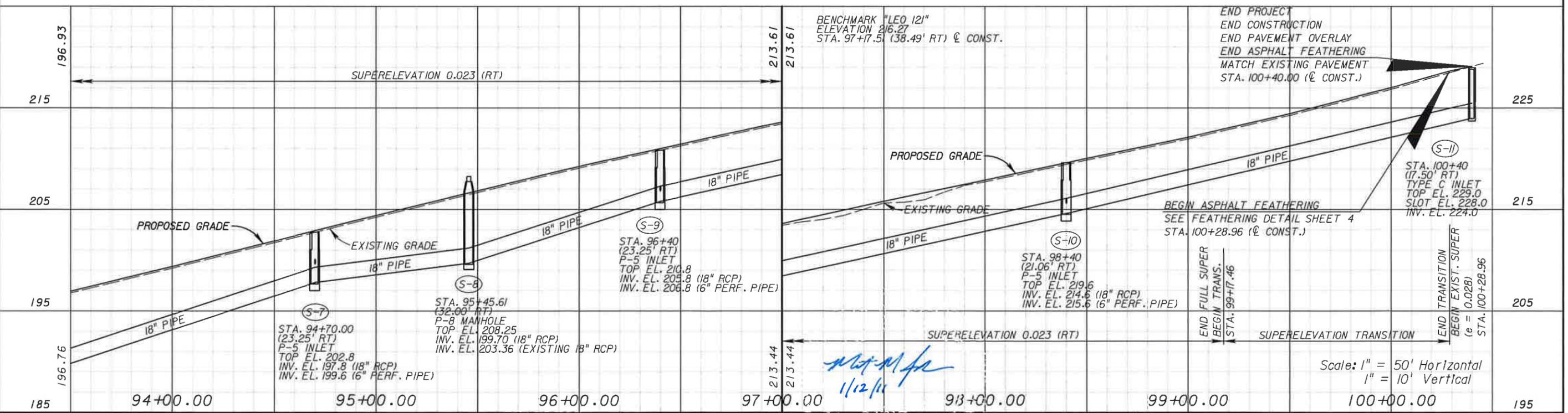
**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY INTERSECTION IMPROVEMENTS**

**BANNERMAN ROAD**  
**PLAN & PROFILE SHEETS**  
 SHEET NO. **6**



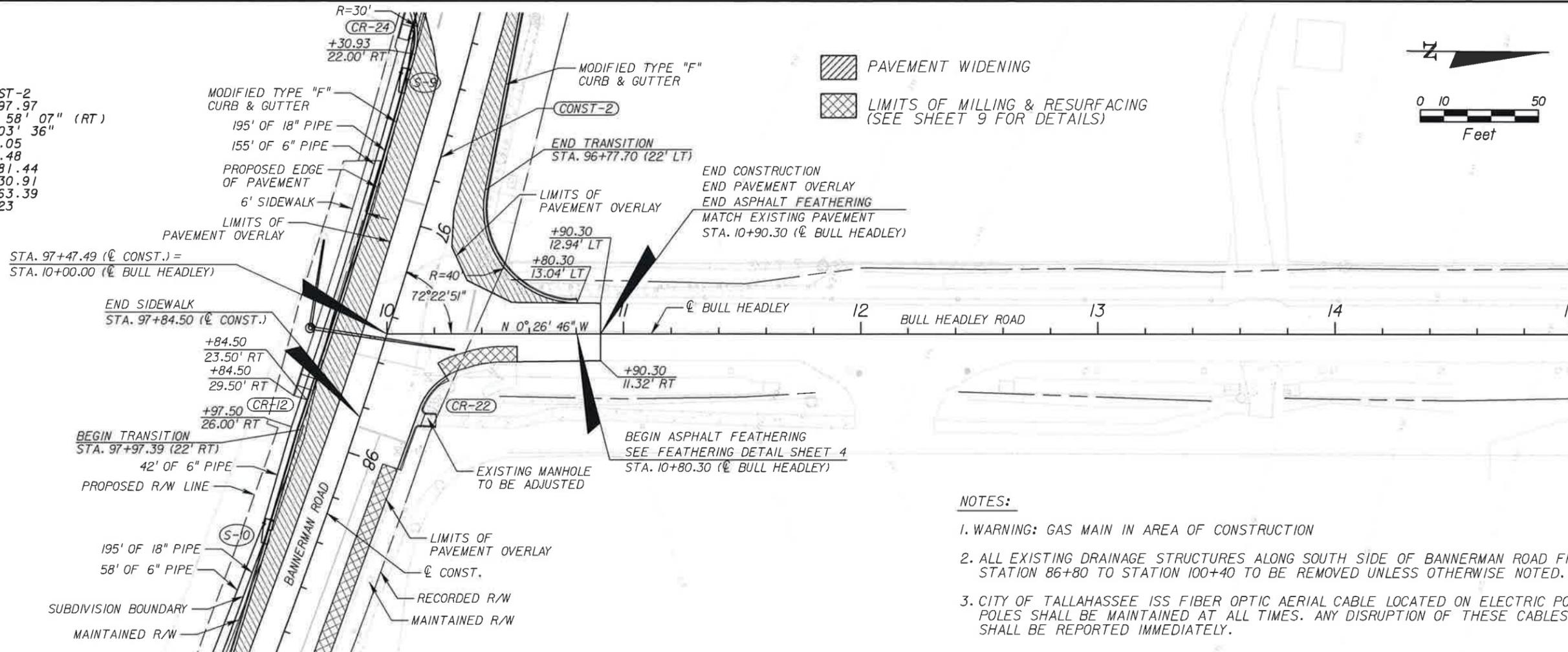
- NOTES:**
1. WARNING: GAS MAIN IN AREA OF CONSTRUCTION
  2. ALL EXISTING DRAINAGE STRUCTURES ALONG SOUTH SIDE OF BANNERMAN ROAD FROM STATION 86+80 TO STATION 100+40 TO BE REMOVED UNLESS OTHERWISE NOTED.
  3. CITY OF TALLAHASSEE ISS FIBER OPTIC AERIAL CABLE LOCATED ON ELECTRIC POWER POLES SHALL BE MAINTAINED AT ALL TIMES. ANY DISRUPTION OF THESE CABLES SHALL BE REPORTED IMMEDIATELY.

℄ CONST.	CURVE	PI STA.	DELTA	D	T	L	R	PCC STA.	PT STA.	e
CONST-1	CONST-1	91+65.00	10° 43' 43" (RT)	2° 00' 41"	267.47	533.38	2,848.53	88+97.53	94+30.91	0.023
CONST-2	CONST-2	96+97.97	10° 58' 07" (RT)	2° 03' 36"	267.05	532.48	2,781.44	94+30.91	99+63.39	0.023
CONST-3	CONST-3	101+78.63	8° 36' 01" (RT)	2° 27' 25"	175.34	350.03	2,331.96	100+03.29	103+53.32	NC

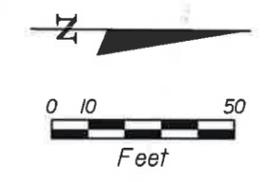


REVISIONS						Engineer of Record:		LEON COUNTY		BANNERMAN ROAD		SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	MATTHEW M. JOHNSON P.E. # 69754		CONSTRUCTION PLANS FOR:		PLAN & PROFILE SHEETS		
					Stormwater only Kathleen Consoles Burke PE 42576	 2639 N. MONROE ST. BLDG C TALLAHASSEE, FL 32303 (850) 575-1800 www.pbsj.com		 LEON COUNTY BANNERMAN & BULL HEADLEY INTERSECTION IMPROVEMENTS				7

C.C. CONST. = CONST-2  
 CURVE = CONST-2  
 P.I. STA. = 96+97.97  
 DELTA = 10° 58' 07" (RT)  
 D = 2° 03' 36"  
 T = 267.05  
 L = 532.48  
 R = 2,781.44  
 PC STA. = 94+30.91  
 PT STA. = 99+63.39  
 e = 0.023

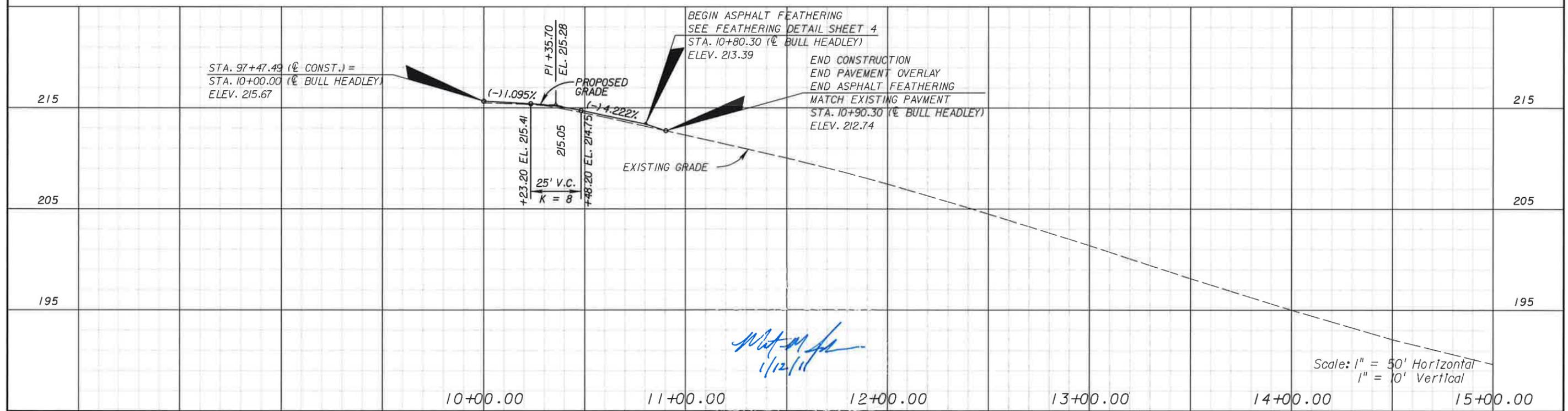


PAVEMENT WIDENING  
 LIMITS OF MILLING & RESURFACING (SEE SHEET 9 FOR DETAILS)



**NOTES:**

1. WARNING: GAS MAIN IN AREA OF CONSTRUCTION
2. ALL EXISTING DRAINAGE STRUCTURES ALONG SOUTH SIDE OF BANNERMAN ROAD FROM STATION 86+80 TO STATION 100+40 TO BE REMOVED UNLESS OTHERWISE NOTED.
3. CITY OF TALLAHASSEE ISS FIBER OPTIC AERIAL CABLE LOCATED ON ELECTRIC POWER POLES SHALL BE MAINTAINED AT ALL TIMES. ANY DISRUPTION OF THESE CABLES SHALL BE REPORTED IMMEDIATELY.



*Matthew M. Johnson*  
1/12/11

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

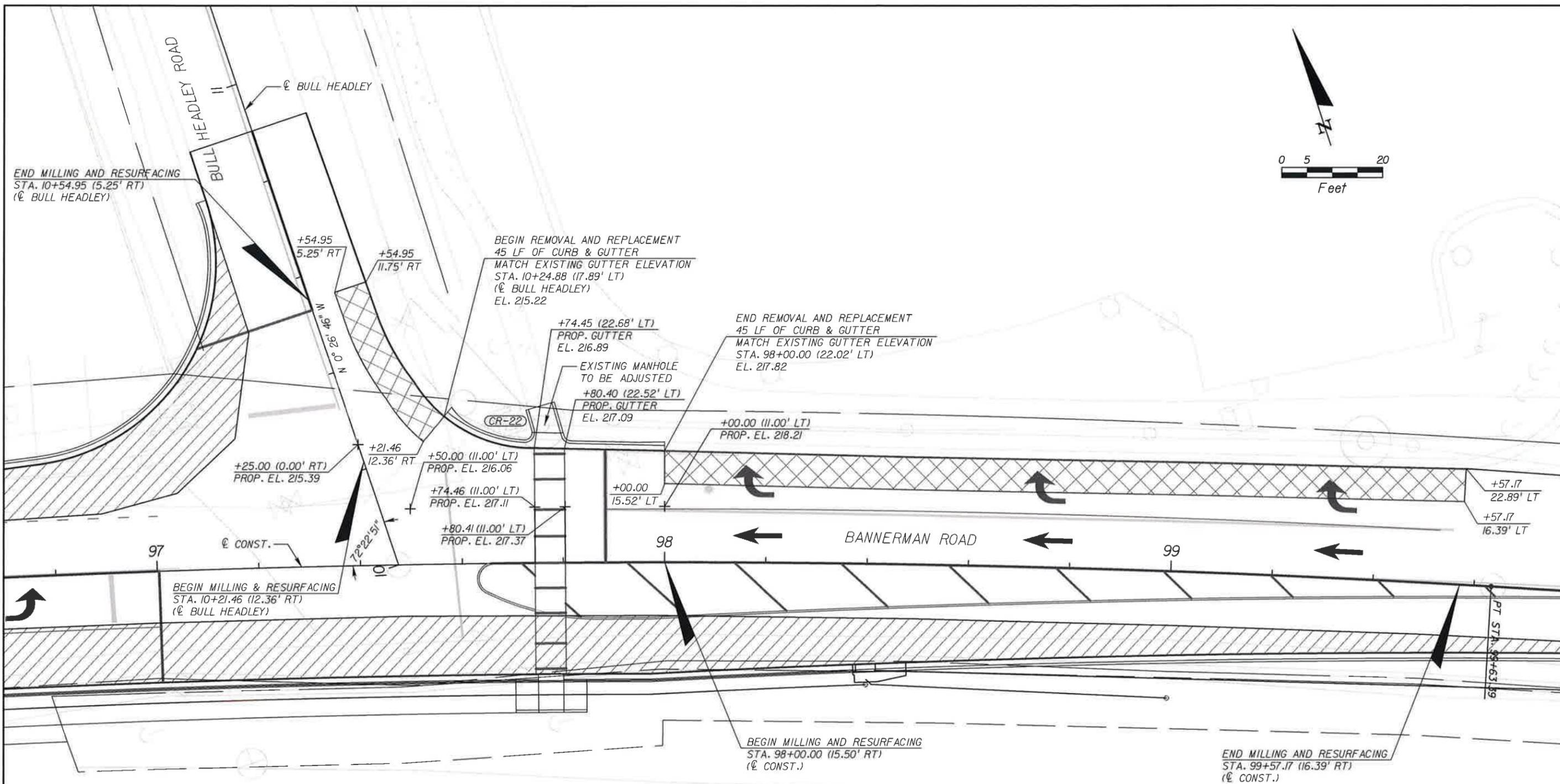
Engineer of Record: **MATTHEW M. JOHNSON**  
 P.E. # 69754  
 2639 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
 (850) 575-1800  
 www.pbsj.com  
**PBSJ**  
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY INTERSECTION IMPROVEMENTS**

**BULL HEADLEY ROAD  
 PLAN & PROFILE SHEETS**

SHEET NO.  
**8**



 PAVEMENT WIDENING  
 LIMITS OF MILLING & RESURFACING

*Matthew M. Johnson*  
1/12/11

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

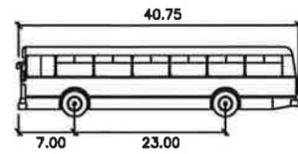
Engineer of Record: **PBSJ** MATTHEW M. JOHNSON  
 P.E. # 69754  
 2639 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
 (850) 575-1800  
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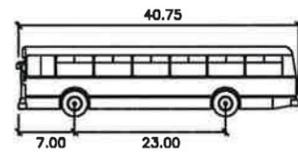
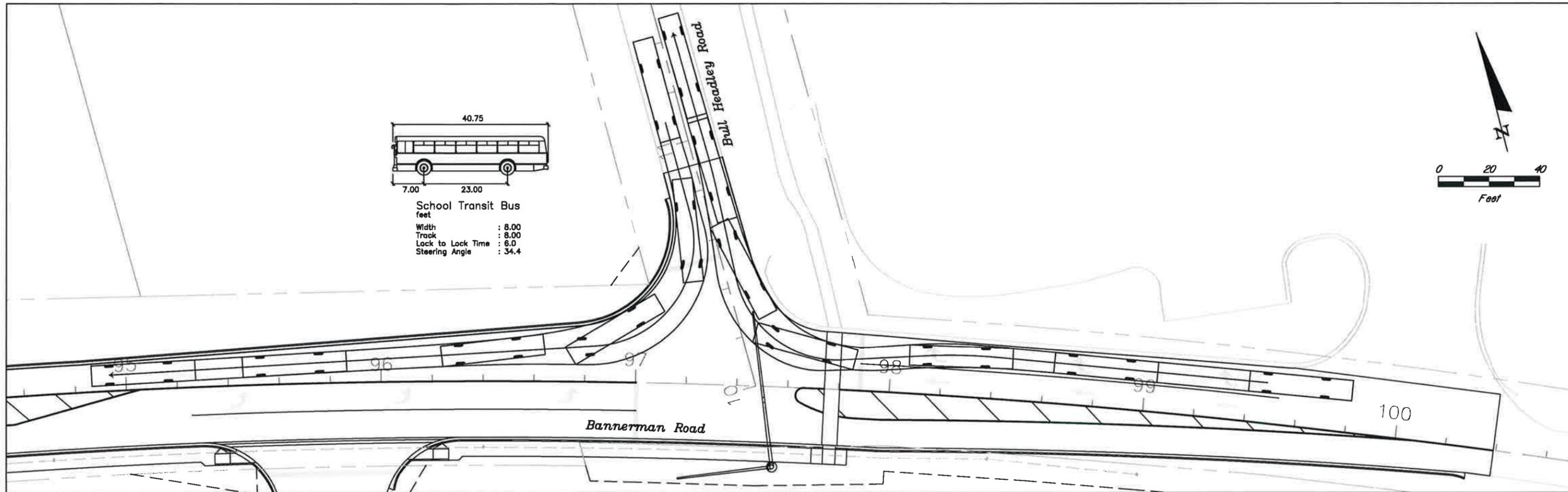
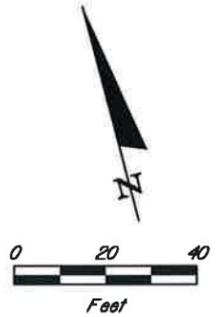
**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
 BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS

**BANNERMAN & BULL HEADLEY  
 INTERSECTION DETAIL**

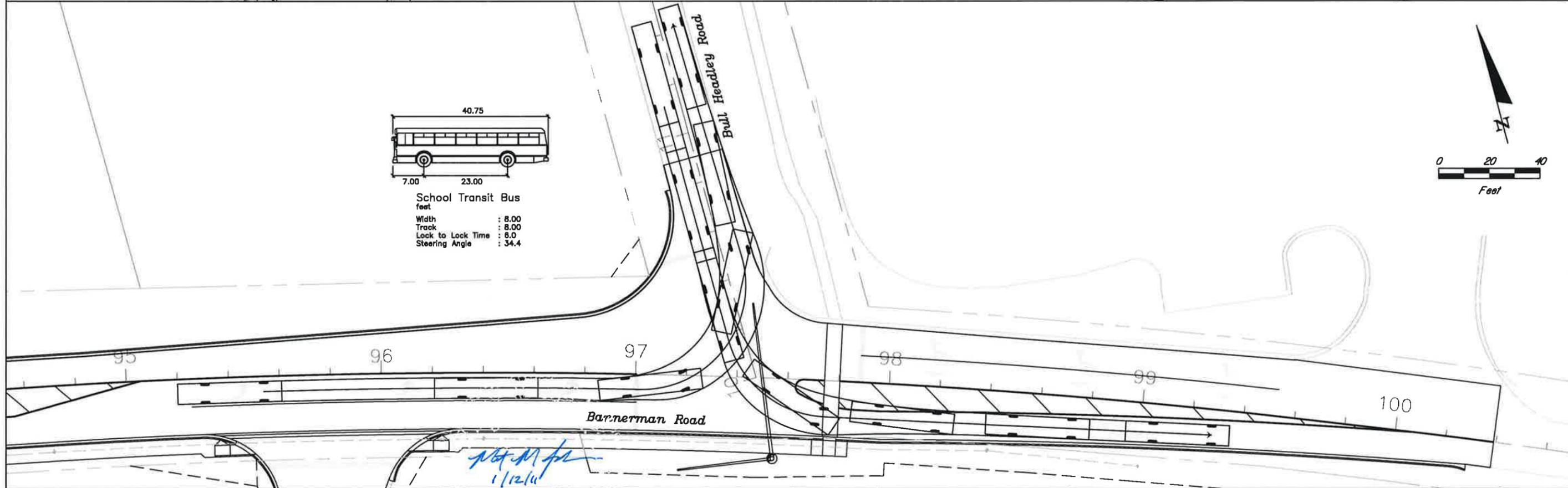
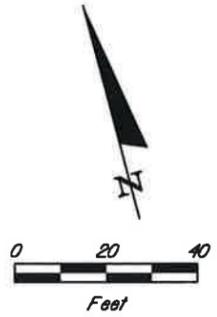
SHEET NO.  
 9



School Transit Bus  
feet  
Width : 8.00  
Track : 8.00  
Lock to Lock Time : 6.0  
Steering Angle : 34.4



School Transit Bus  
feet  
Width : 8.00  
Track : 8.00  
Lock to Lock Time : 6.0  
Steering Angle : 34.4



REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

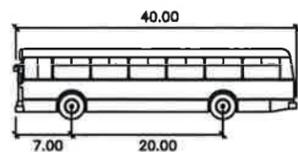
Engineer of Record:  
**PBSJ** MATTHEW M. JOHNSON  
P.E. NO. 69754  
2639 N. MONROE ST. BLDG C  
TALLAHASSEE, FL 32303  
(850) 575-1800  
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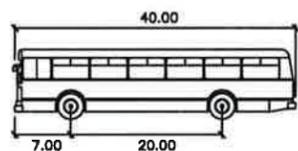
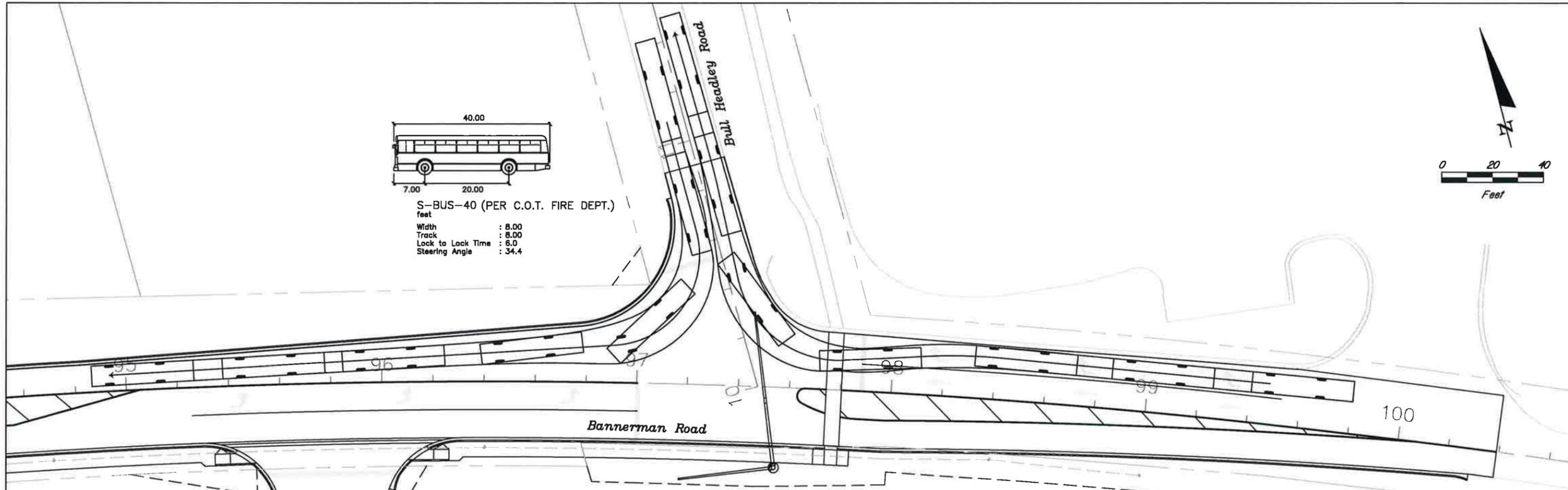
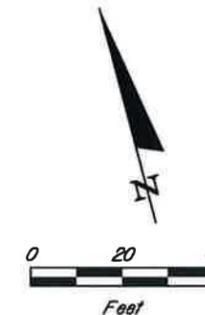
LEON COUNTY  
CONSTRUCTION PLANS FOR:  
BANNERMAN & BULL HEADLEY  
INTERSECTION IMPROVEMENTS

BANNERMAN & BULL HEADLEY  
AUTOTURN DETAIL - SCHOOL BUS

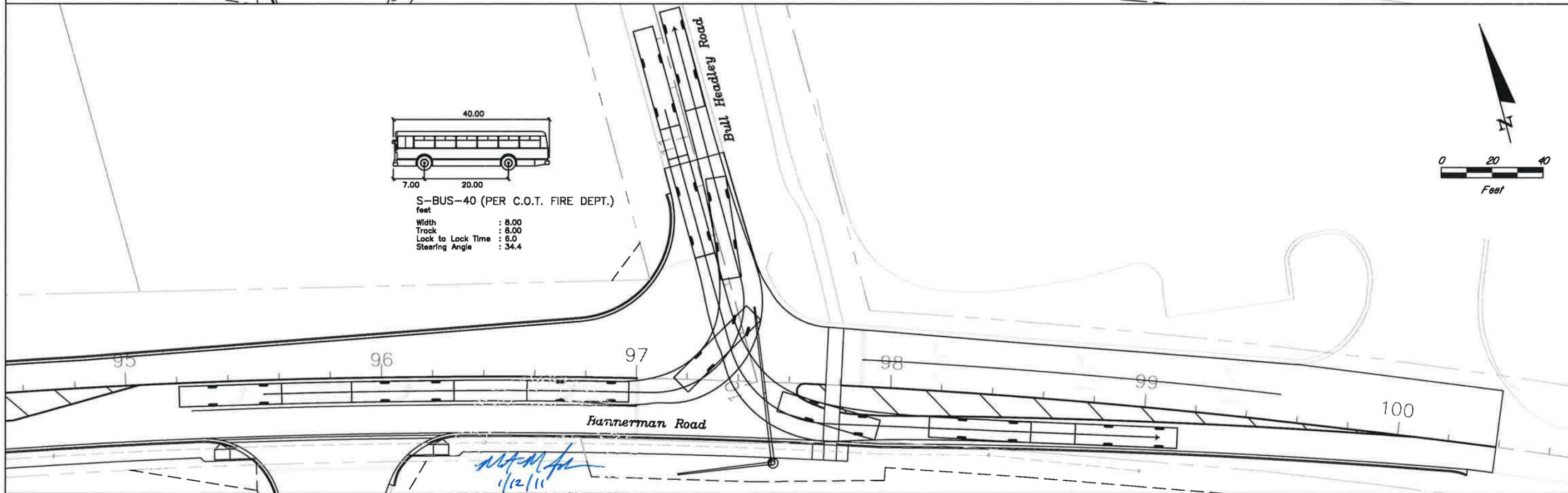
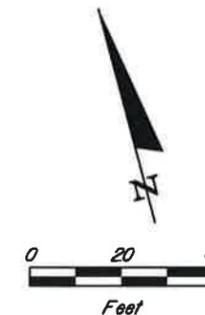
SHEET NO.  
10



S-BUS-40 (PER C.O.T. FIRE DEPT.)  
 feet  
 Width : 8.00  
 Track : 8.00  
 Lock to Lock Time : 6.0  
 Steering Angle : 34.4



S-BUS-40 (PER C.O.T. FIRE DEPT.)  
 feet  
 Width : 8.00  
 Track : 8.00  
 Lock to Lock Time : 6.0  
 Steering Angle : 34.4



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record: **MATTHEW M. JOHNSON**  
 P.E. NO. 69754  
**PBS&J**  
 2639 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
 (850) 575-1800  
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS**

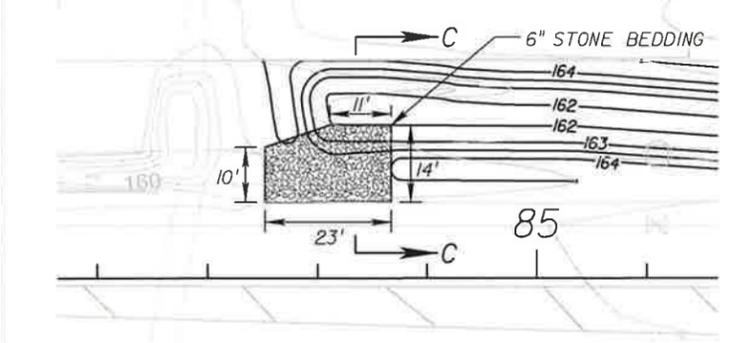
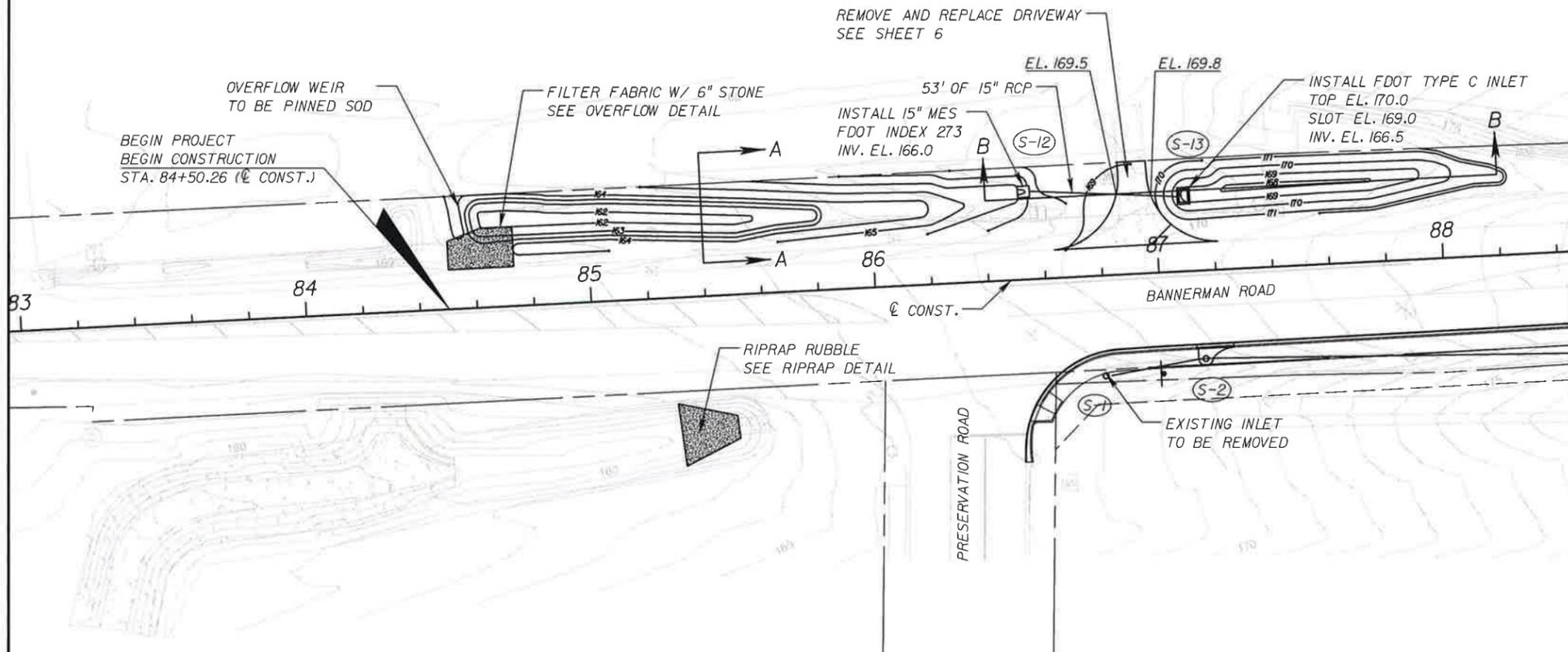
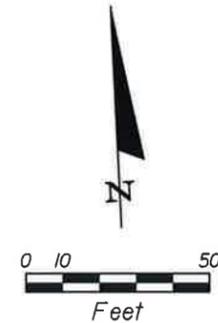
**BANNERMAN & BULL HEADLEY  
 AUTOTURN DETAIL - FIRE TRUCK**

SHEET NO.  
**11**

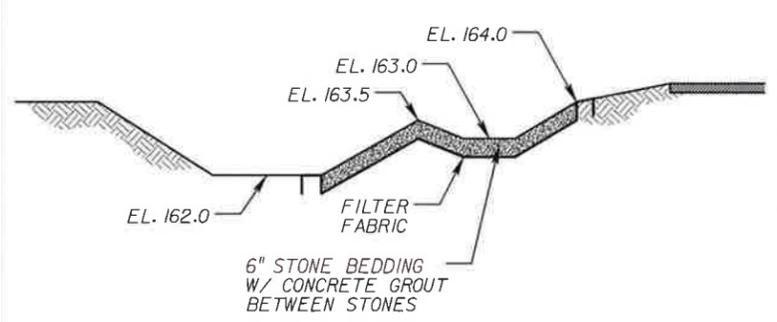
J:\CADD\Bannerman - Bull Headley Intersection\AutoTurn - Detail.dwg 1/04/2010 10:25:07 AM

**NOTES:**

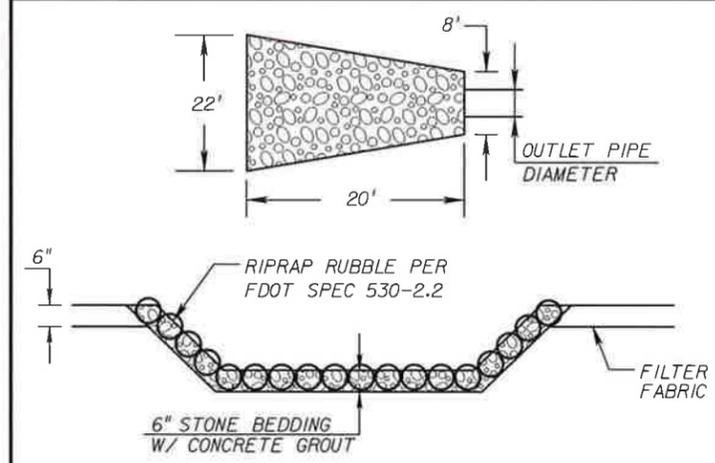
1. STORMWATER DESIGN STANDARDS: LEON COUNTY GROWTH AND ENVIRONMENTAL MANAGEMENT
2. ALL EXISTING DRAINAGE STRUCTURES ALONG SOUTH SIDE OF BANNERMAN ROAD FROM STATION 86+80 TO STATION 100+40 TO BE REMOVED UNLESS OTHERWISE NOTED.
3. EAST POND SHALL BE OVEREXCAVATED TO ELEVATION 166 AND BACKFILLED WITH CLEAN, UNIFORM SAND (SP, SP-SM, A-3)
4. STORMWATER MANAGEMENT FACILITIES ARE DESIGNED TO MITIGATE RUNOFF GENERATED BY IMPERVIOUS AREA ADDED WITHIN BRADFORDVILLE STUDY AREA.



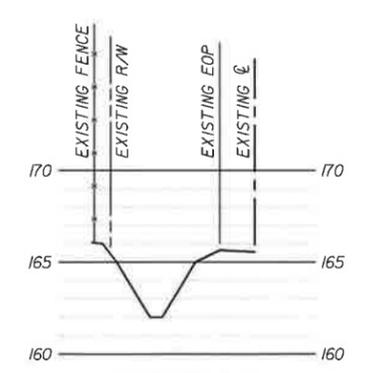
PLAN VIEW  
SCALE: 1" = 30'



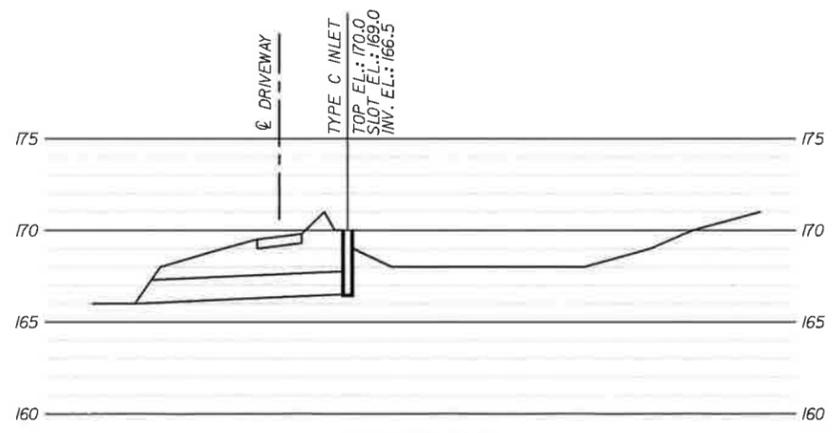
SECTION C-C  
SCALE: HORIZ. 1" = 10' VERT. 1" = 5'



RIPRAP DETAIL  
NOT TO SCALE



SECTION A-A  
THRU POND AT STA: 85+40  
SCALE: 1"=50' H, 1"=10'V



PROFILE B-B  
THRU POND AT STA: 86+40-88+20 OFFSET 26'L  
SCALE: 1"=50' H, 1"=10'V

OVERFLOW DETAIL

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

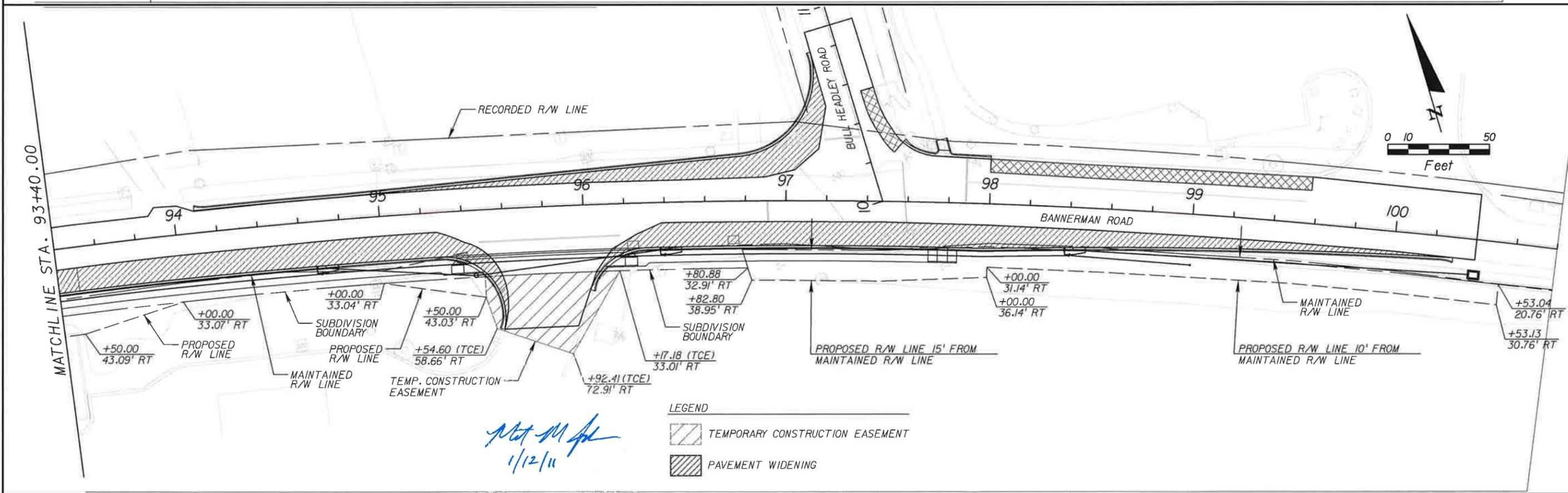
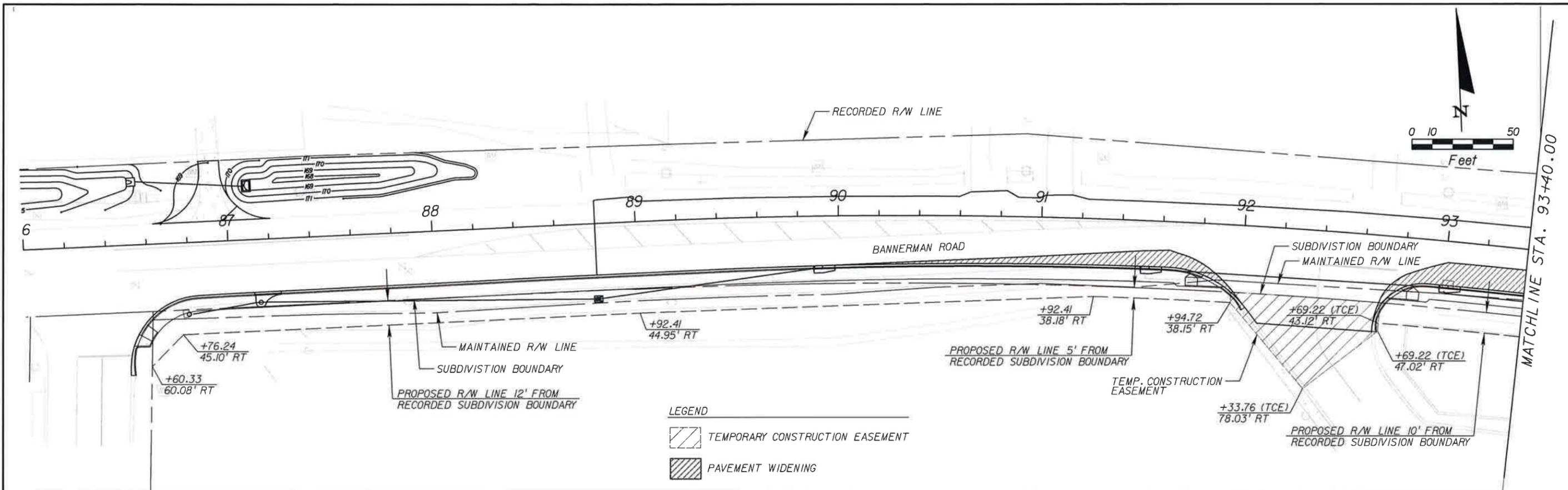
Engineer of Record: KATHERINE S. GONSALVES BURKE  
P.E. # 42576  
**PBS&J**  
2639 N. MONROE ST. BLDG C  
TALLAHASSEE, FL 32303  
(850) 575-1800  
www.pbsj.com  
Certificate of Authorization No. 24



**LEON COUNTY**  
CONSTRUCTION PLANS FOR:  
BANNERMAN & BULL HEADLEY  
INTERSECTION IMPROVEMENTS

**BANNERMAN ROAD  
STORMWATER MANAGEMENT PLAN**

SHEET NO.  
**12**



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

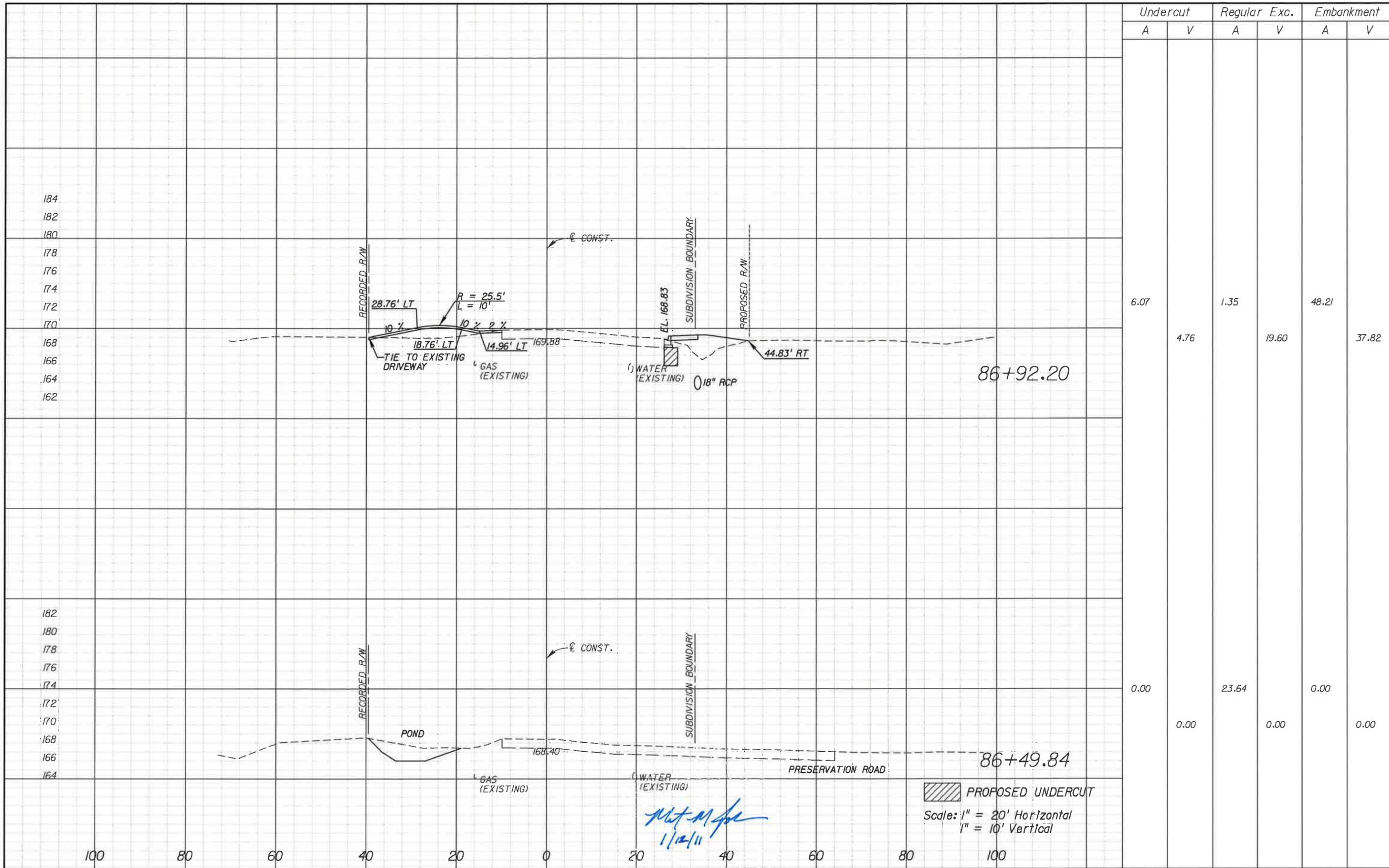
Engineer of Record:  
**PBSJ**  
 MATTHEW M. JOHNSON  
 P.E. # 69754  
 2639 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
 BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS

**BANNERMAN & BULL HEADLEY  
 RIGHT-OF-WAY DETAIL**

SHEET NO.  
 13



Undercut		Regular Exc.		Embankment	
A	V	A	V	A	V
6.07		1.35		48.21	
	4.76		19.60		37.82
0.00		23.64		0.00	
	0.00		0.00		0.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

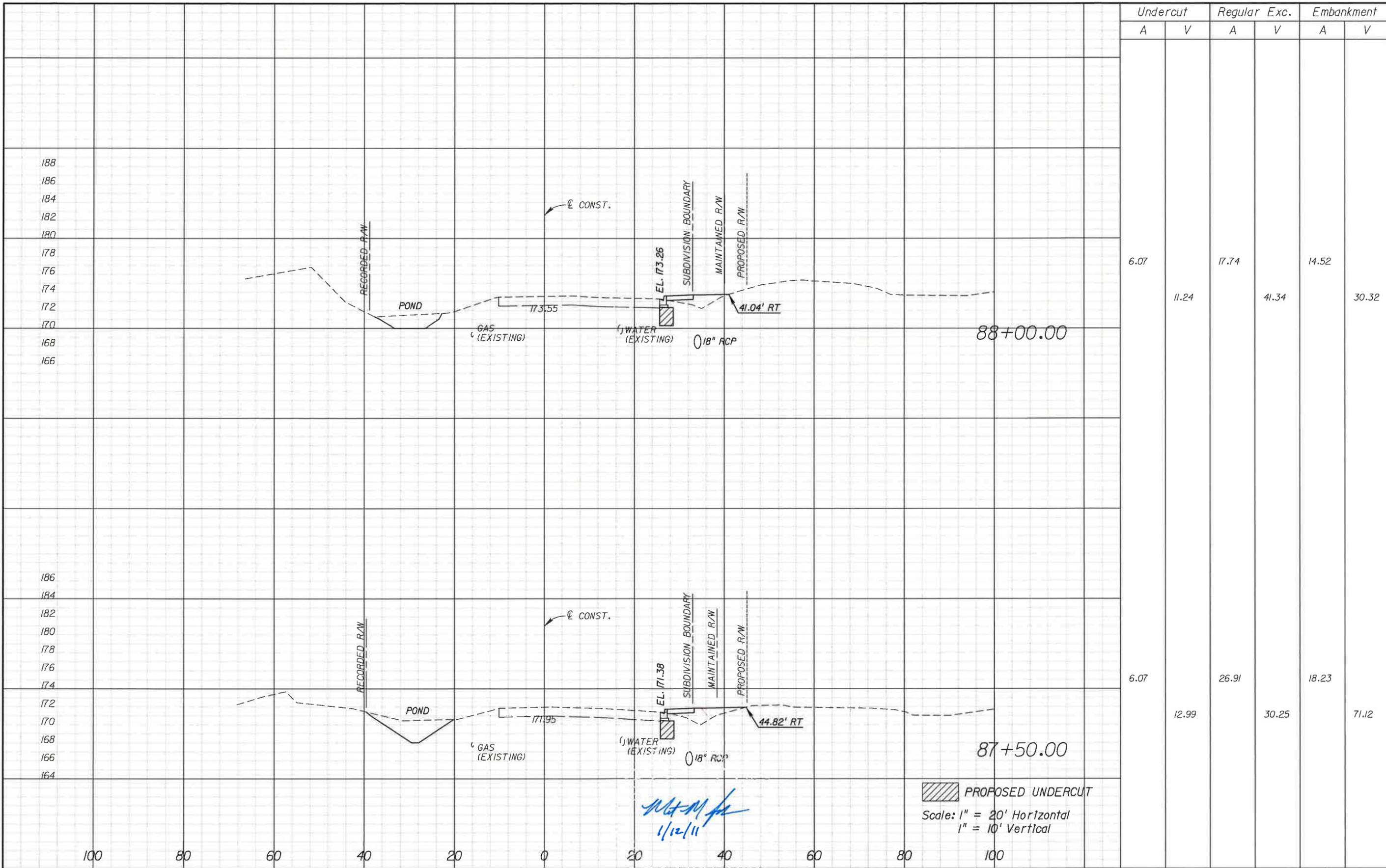
Engineer of Record: **MATTHEW M. JOHNSON**  
 P.E. # 69754  
**PBS&J**  
 2639 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS**

**BANNERMAN ROAD  
 CROSS SECTIONS**

SHEET  
 NO.  
**14**



Undercut		Regular Exc.		Embankment	
A	V	A	V	A	V
6.07	11.24	17.74	41.34	14.52	30.32
6.07	12.99	26.91	30.25	18.23	71.12

PROPOSED UNDERCUT  
 Scale: 1" = 20' Horizontal  
 1" = 10' Vertical

*MM*  
 1/12/11

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

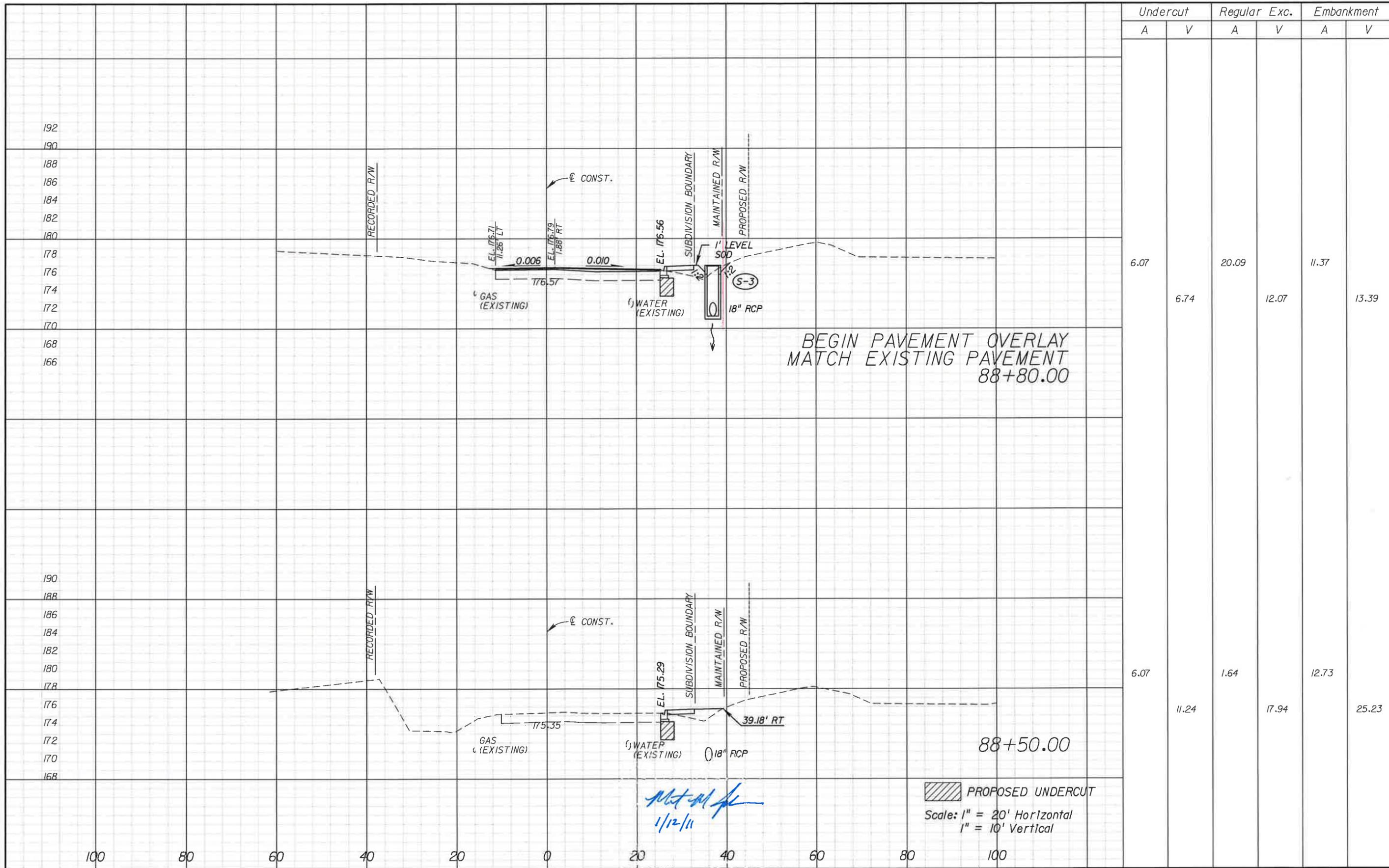
Engineer of Record: **MATTHEW M. JOHNSON**  
 P.E. # 69754  
 2639 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
 (850) 575-1800  
 www.pbsj.com  
**PBSJ**  
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY INTERSECTION IMPROVEMENTS**

**BANNERMAN ROAD  
 CROSS SECTIONS**

SHEET NO.  
**15**



Undercut		Regular Exc.		Embankment	
A	V	A	V	A	V
6.07		20.09		11.37	
	6.74		12.07		13.39
6.07		1.64		12.73	
	11.24		17.94		25.23

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineer of Record: **MATTHEW M. JOHNSON**  
 P.E. # 69754  
 2639 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
 (850) 575-1800  
 www.pbsj.com  
 Certificate of Authorization No. 24

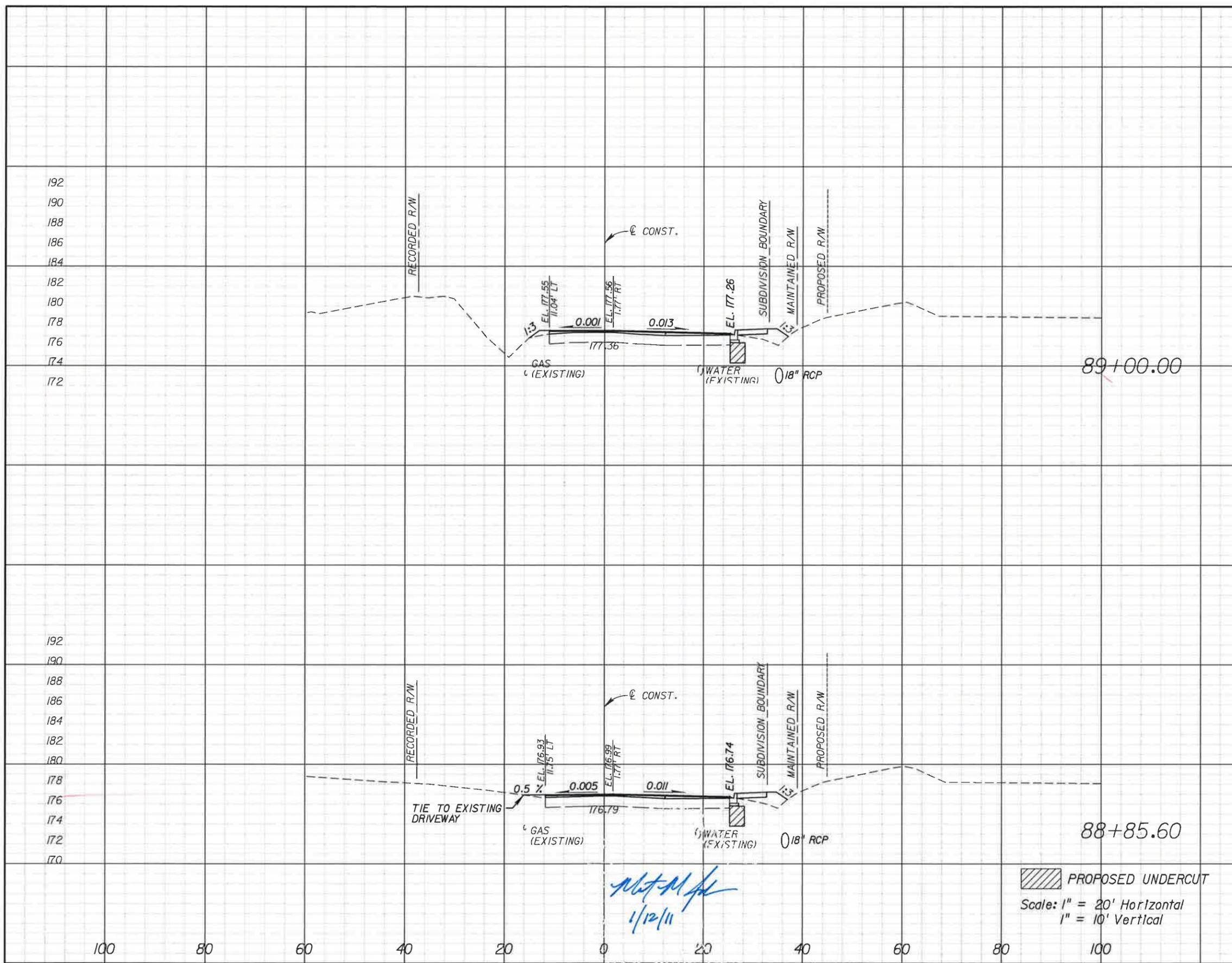


**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY INTERSECTION IMPROVEMENTS**

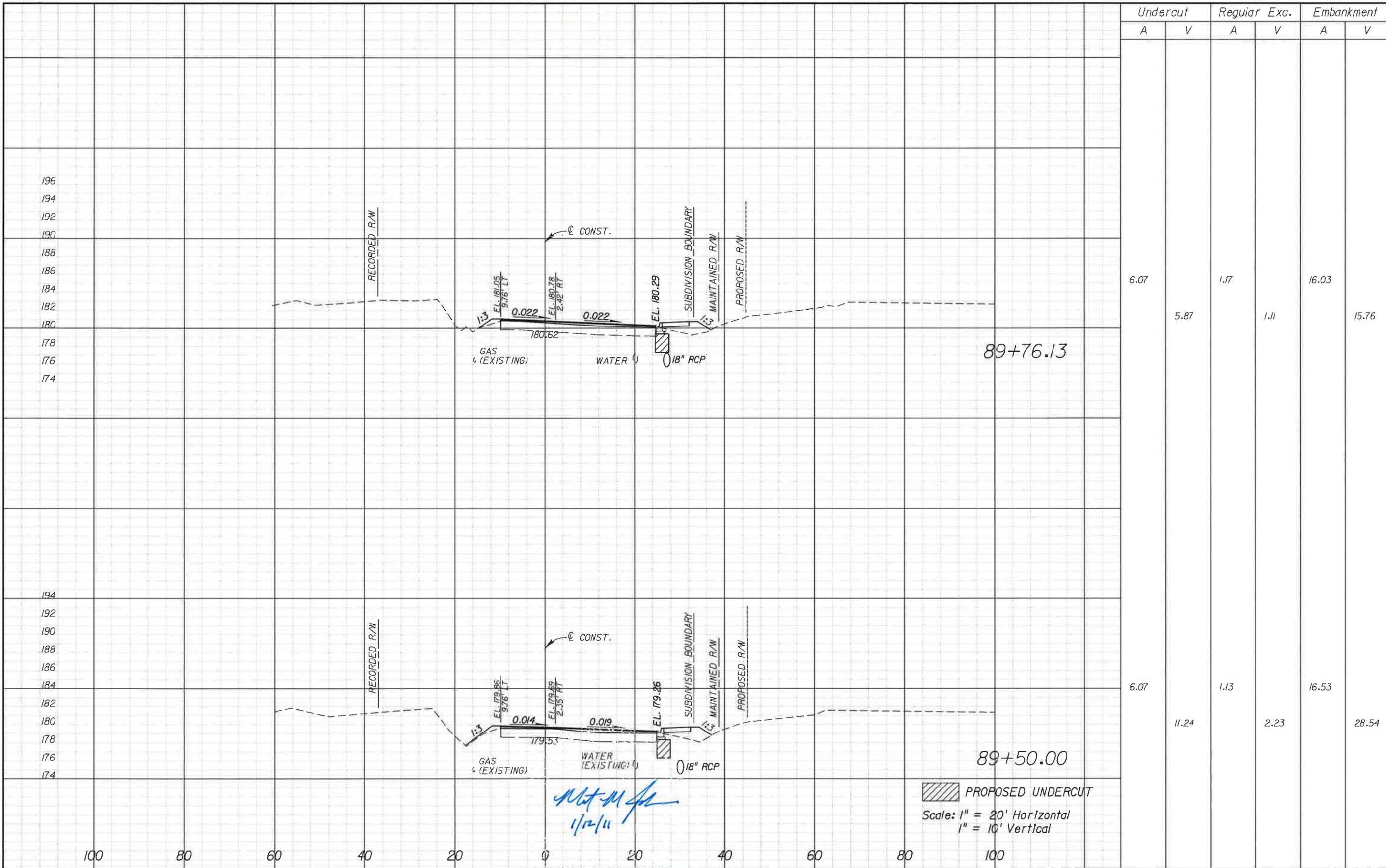
**BANNERMAN ROAD**  
**CROSS SECTIONS**

SHEET NO.  
**16**

Undercut		Regular Exc.		Embankment	
A	V	A	V	A	V
6.07	3.24	1.28	0.70	14.29	7.50
6.07	1.26	1.33	2.22	13.83	2.61



REVISIONS		DESCRIPTION		Engineer of Record:		LEON COUNTY		BANNERMAN ROAD CROSS SECTIONS		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION	MATTHEW M. JOHNSON P.E. # 69754		CONSTRUCTION PLANS FOR:		BANNERMAN & BULL HEADLEY INTERSECTION IMPROVEMENTS		17	
				 Certificate of Authorization No. 24		 LEON COUNTY		<b>BANNERMAN ROAD CROSS SECTIONS</b>		17	



Undercut		Regular Exc.		Embankment	
A	V	A	V	A	V
6.07	5.87	1.17	1.11	16.03	15.76
6.07	11.24	1.13	2.23	16.53	28.54

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

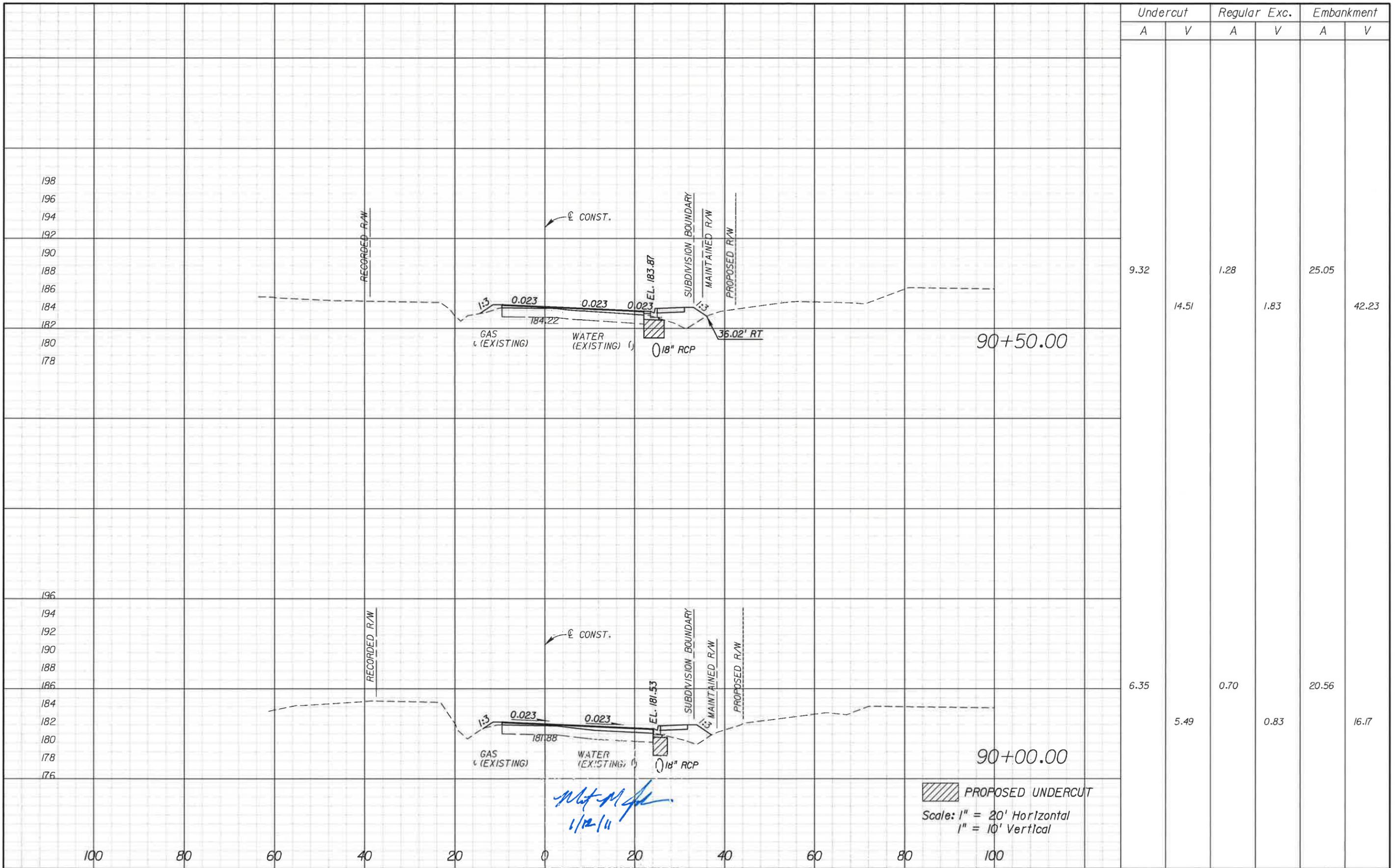
Engineer of Record: **MATTHEW M. JOHNSON**  
 P.E. # 69754  
 2639 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
 (850) 575-1800  
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS**

**BANNERMAN ROAD  
 CROSS SECTIONS**

SHEET NO.  
**18**



Undercut		Regular Exc.		Embankment	
A	V	A	V	A	V
9.32		1.28		25.05	
	14.51		1.83		42.23
6.35		0.70		20.56	
	5.49		0.83		16.17

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

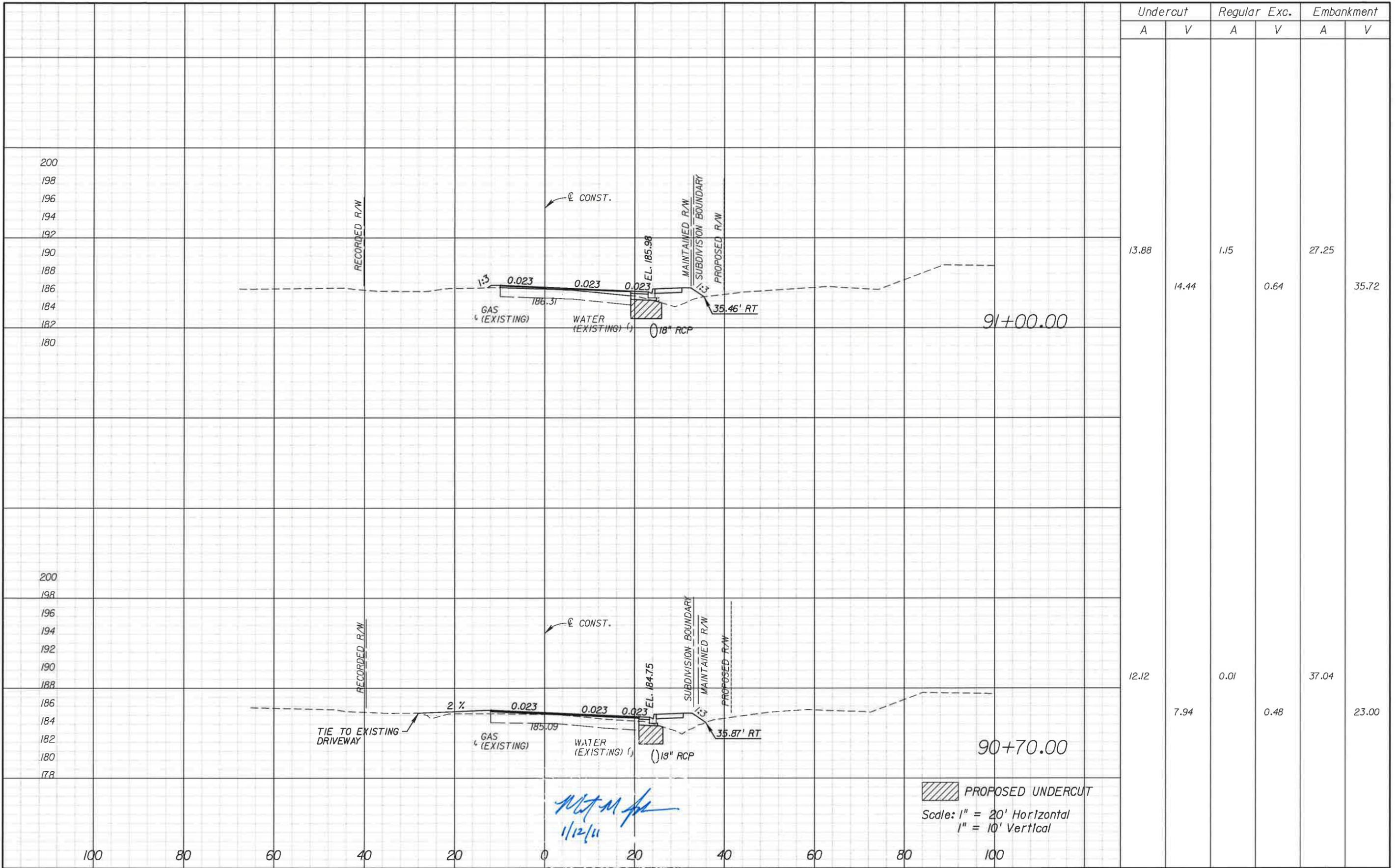
Engineer of Record: **MATTHEW M. JOHNSON**  
 P.E. # 69754  
 2639 N. MONROE ST. BLDG C  
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY INTERSECTION IMPROVEMENTS**

**BANNERMAN ROAD  
 CROSS SECTIONS**

SHEET NO.  
**19**



Undercut		Regular Exc.		Embankment	
A	V	A	V	A	V
13.88		1.15		27.25	
	14.44		0.64		35.72
12.12		0.01		37.04	
	7.94		0.48		23.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineer of Record: **MATTHEW M. JOHNSON**  
 P.E. # 69754  
 2639 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY INTERSECTION IMPROVEMENTS**

**BANNERMAN ROAD  
 CROSS SECTIONS**

SHEET NO.  
**20**

Undercut		Regular Exc.		Embankment	
A	V	A	V	A	V
13.41		17.88		27.50	
	21.33		13.24		49.47
15.39		0.00		39.29	
	5.42		0.21		12.32

202  
200  
198  
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182  
180

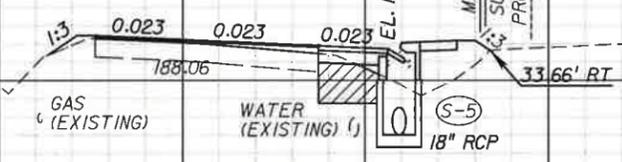
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100 80 60 40 20 0 20 40 60 80 100

RECORDED R/W

CONST.

MAINTAINED R/W  
SUBDIVISION BOUNDARY  
PROPOSED R/W

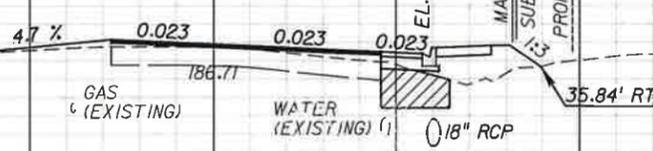


91+50.00

TIE TO EXISTING DRIVEWAY

CONST.

MAINTAINED R/W  
SUBDIVISION BOUNDARY  
PROPOSED R/W



91+10.00

*Matthew M. Johnson*  
1/12/11

PROPOSED UNDERCUT  
Scale: 1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

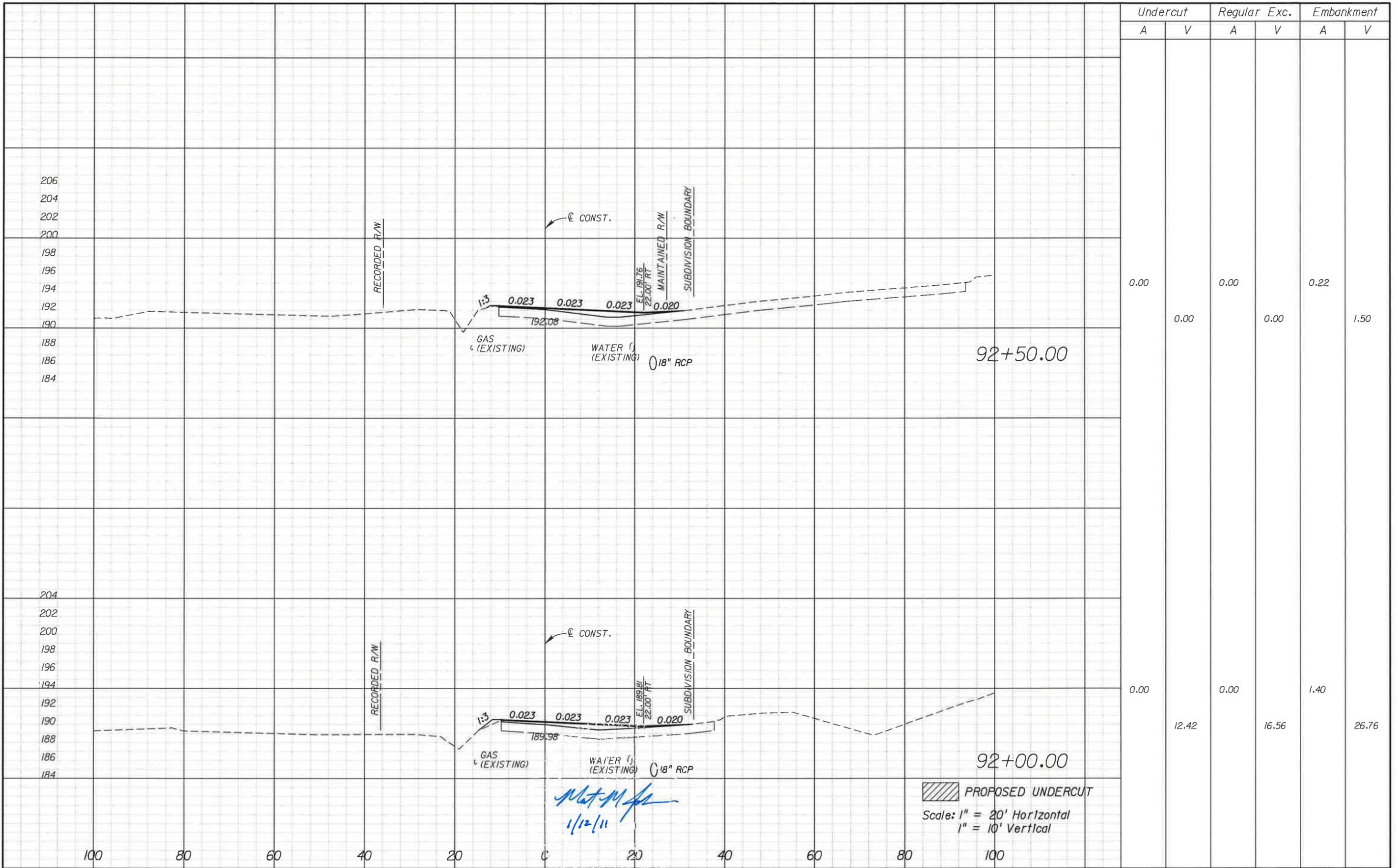
Engineer of Record: **MATTHEW M. JOHNSON**  
P.E. # 69754  
2639 N. MONROE ST. BLDG C  
TALLAHASSEE, FL 32303  
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**LEON COUNTY**  
CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY INTERSECTION IMPROVEMENTS**

**BANNERMAN ROAD  
CROSS SECTIONS**

SHEET NO.  
**21**



*Matthew Johnson*  
1/12/11

PROPOSED UNDERCUT  
Scale: 1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

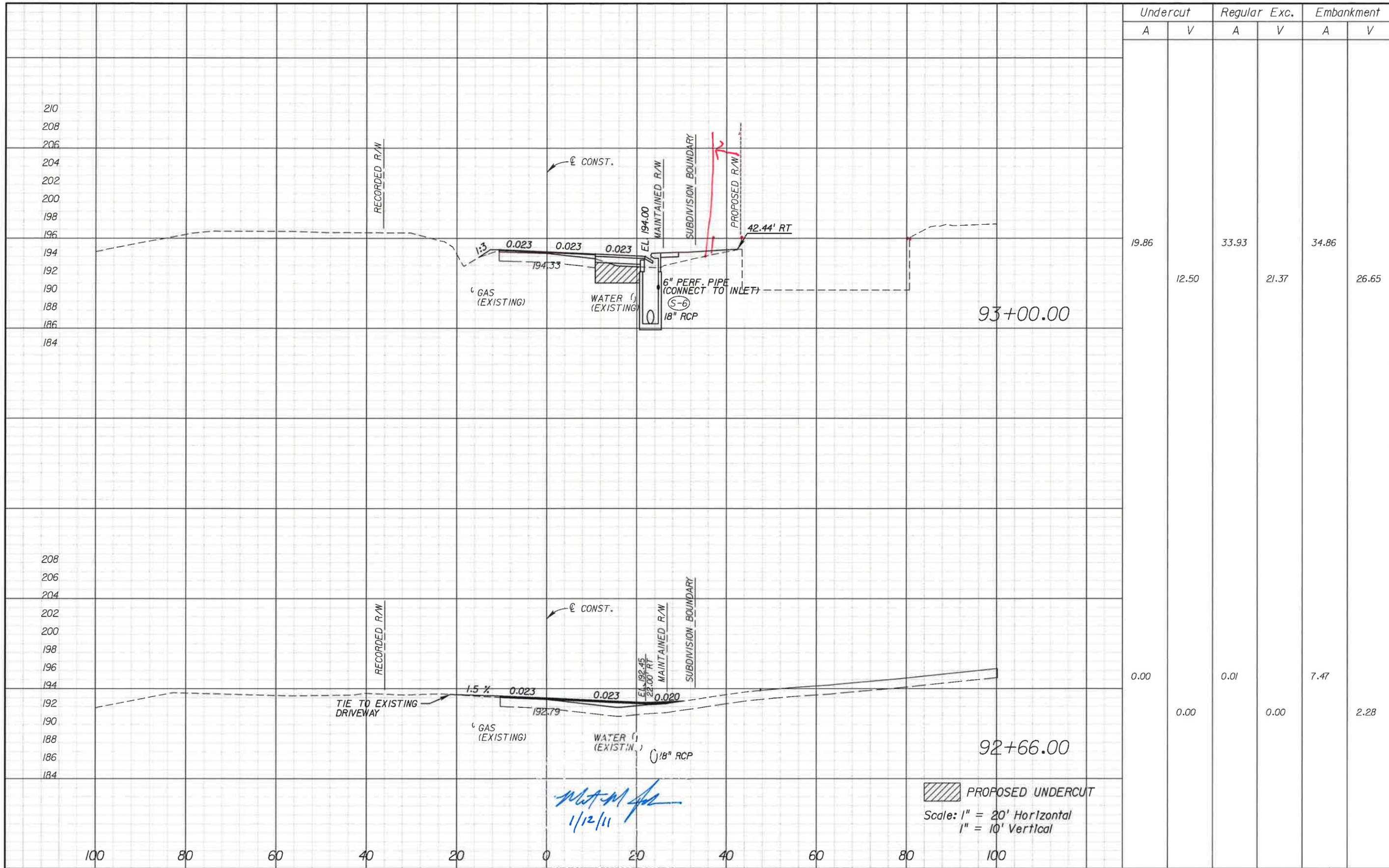
Engineer of Record: **MATTHEW M. JOHNSON**  
P.E. # 69754  
2639 N. MONROE ST. BLDG C  
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**LEON COUNTY**  
CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY  
INTERSECTION IMPROVEMENTS**

**BANNERMAN ROAD  
CROSS SECTIONS**

SHEET NO.  
**22**



Undercut		Regular Exc.		Embankment	
A	V	A	V	A	V
19.86	12.50	33.93	21.37	34.86	26.65
0.00	0.00	0.01	0.00	7.47	2.28

*Matthew M. Johnson*  
1/12/11

PROPOSED UNDERCUT  
Scale: 1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

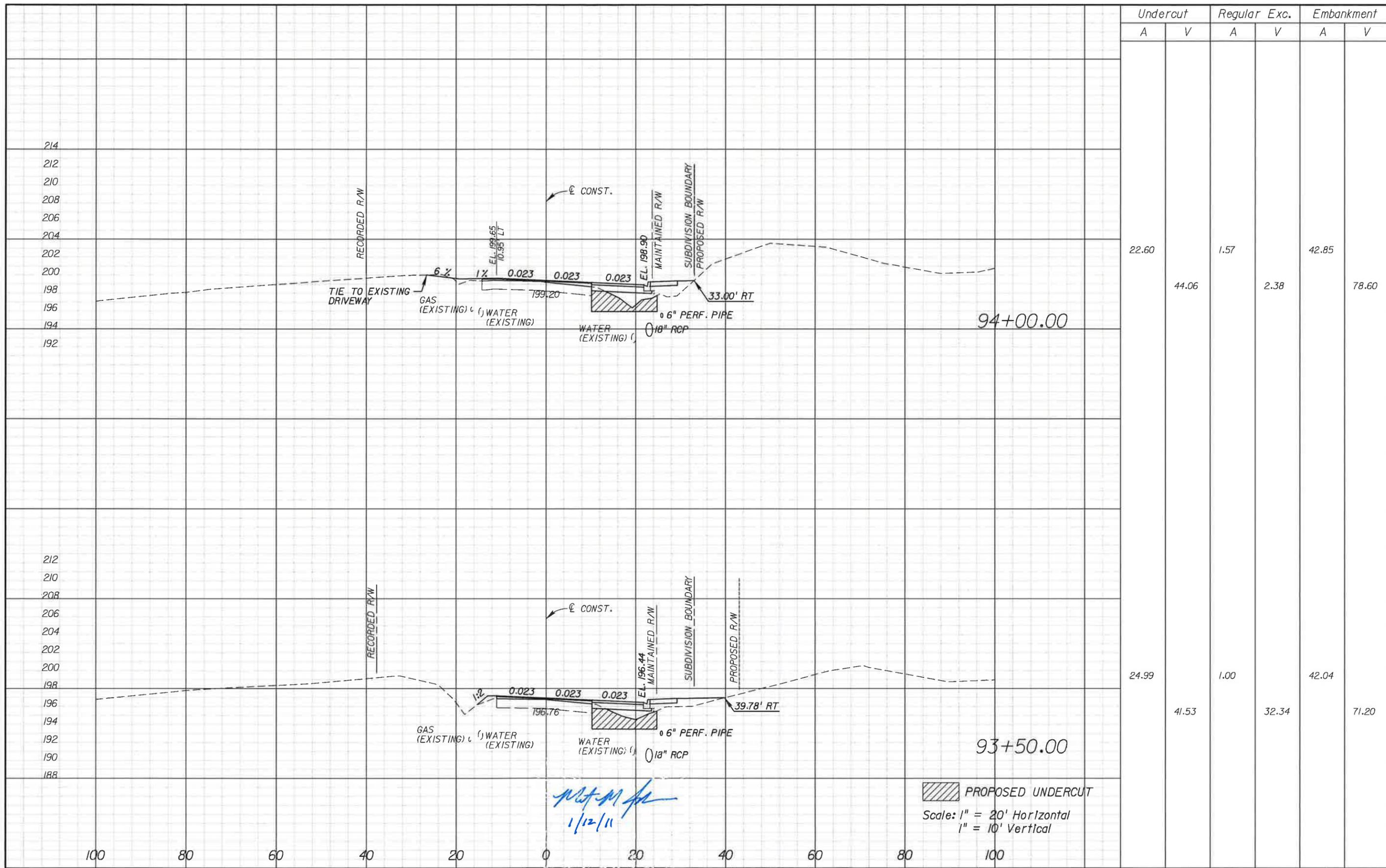
Engineer of Record:  
**PBS&J**  
MATTHEW M. JOHNSON  
P.E. # 69754  
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**LEON COUNTY**  
CONSTRUCTION PLANS FOR:  
BANNERMAN & BULL HEADLEY  
INTERSECTION IMPROVEMENTS

**BANNERMAN ROAD  
CROSS SECTIONS**

SHEET NO.  
**23**



Undercut		Regular Exc.		Embankment	
A	V	A	V	A	V
22.60		1.57		42.85	
	44.06		2.38		78.60
24.99		1.00		42.04	
	41.53		32.34		71.20

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineer of Record: **MATTHEW M. JOHNSON**  
 P.E. # 69754  
 2639 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
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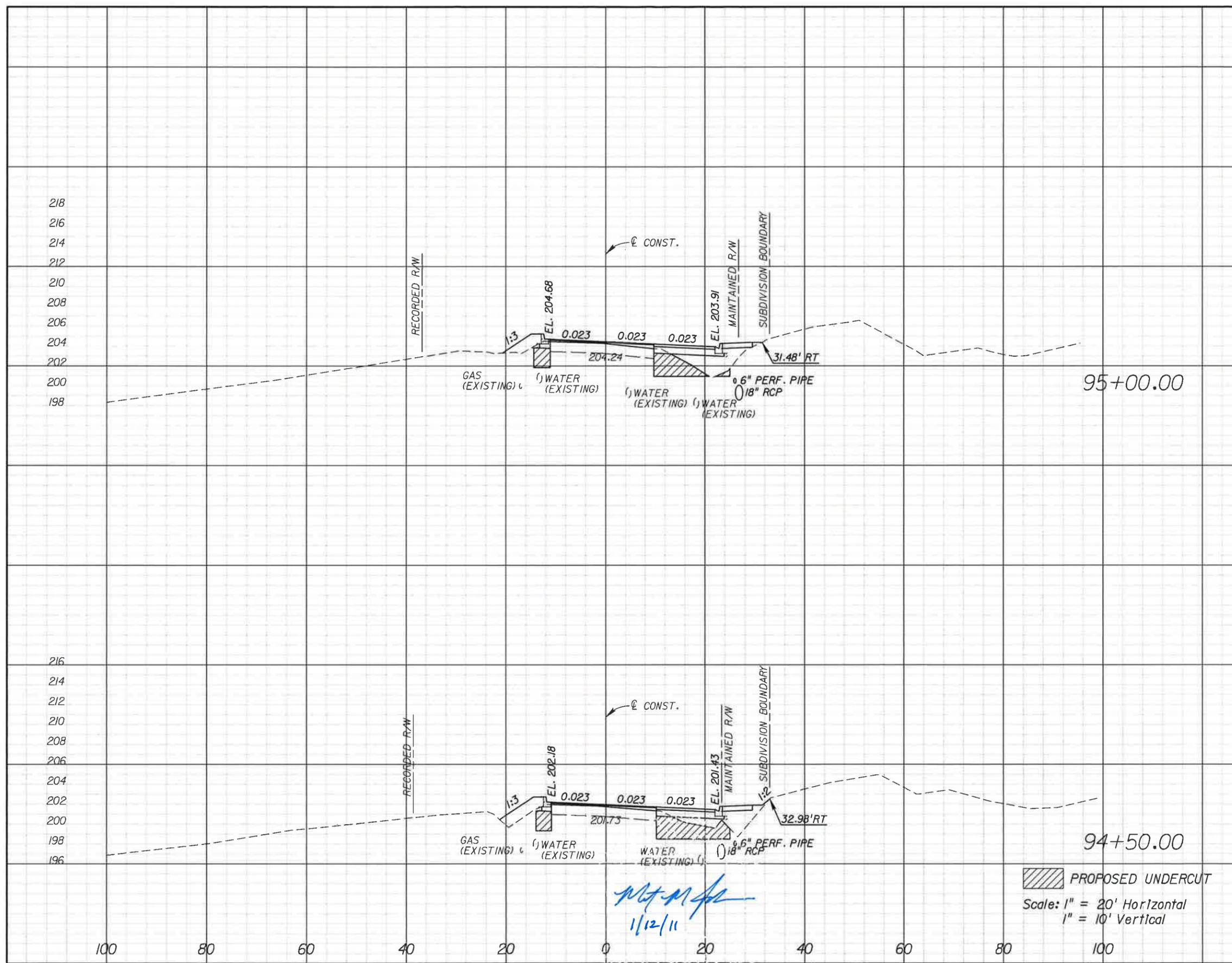


**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS**

**BANNERMAN ROAD  
 CROSS SECTIONS**

SHEET  
 NO.  
**24**

Undercut		Regular Exc.		Embankment	
A	V	A	V	A	V
24.32	51.54	2.45	4.38	52.14	103.84
31.34	49.94	2.28	3.56	60.01	95.24



PROPOSED UNDERCUT  
 Scale: 1" = 20' Horizontal  
 1" = 10' Vertical

M. M. Johnson  
 1/12/11

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineer of Record:  
**PBSJ**  
 MATTHEW M. JOHNSON  
 P.E. # 69754  
 2633 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
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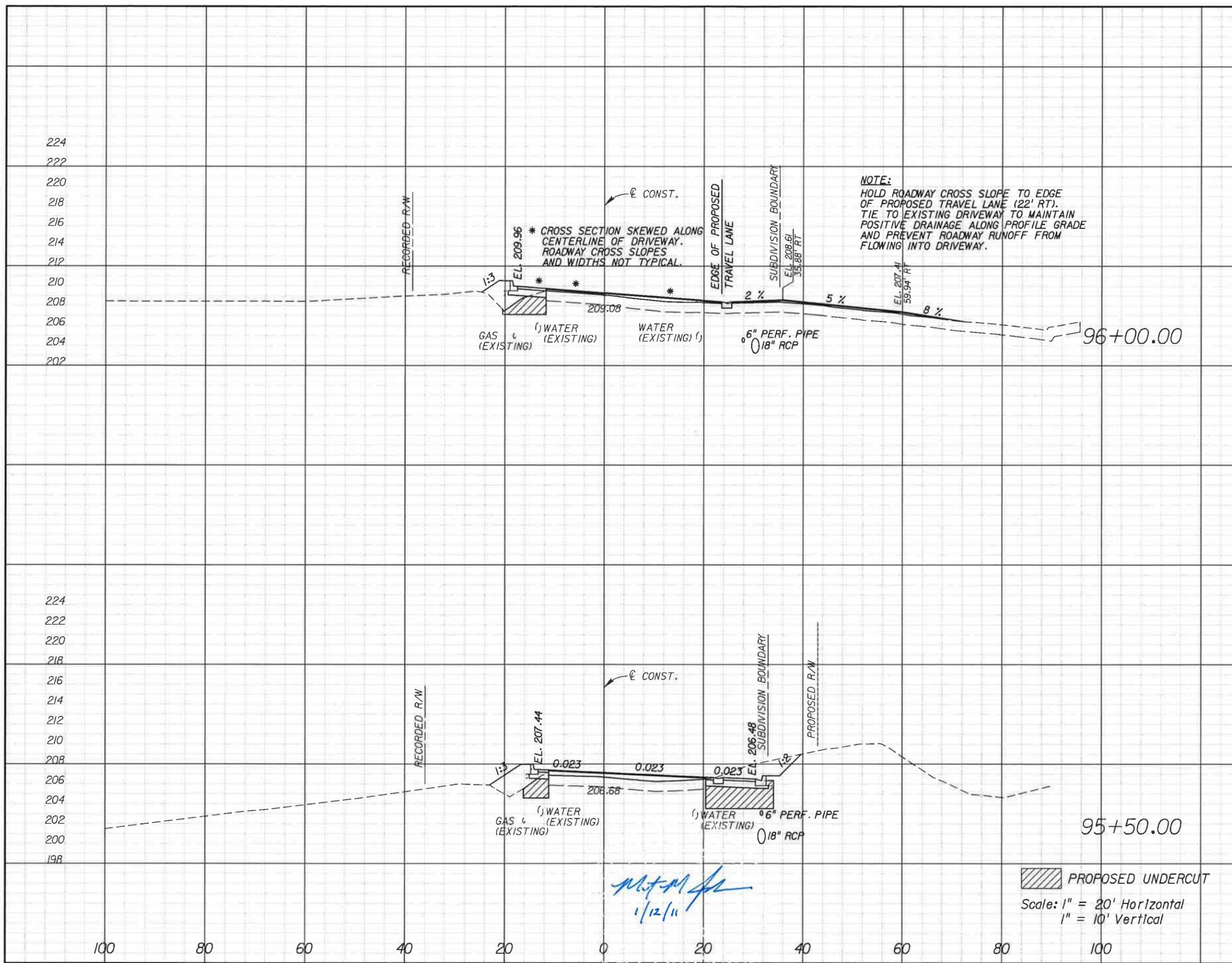


**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
 BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS

**BANNERMAN ROAD  
 CROSS SECTIONS**

SHEET  
 NO.  
**25**

Undercut		Regular Exc.		Embankment	
A	V	A	V	A	V
12.23		2.13		24.04	
	47.04		29.39		72.55
38.57		29.61		54.31	
	58.23		29.69		98.57



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineer of Record: **MATTHEW M. JOHNSON**  
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2639 N. MONROE ST. BLDG C  
TALLAHASSEE, FL 32303  
(850) 575-1800  
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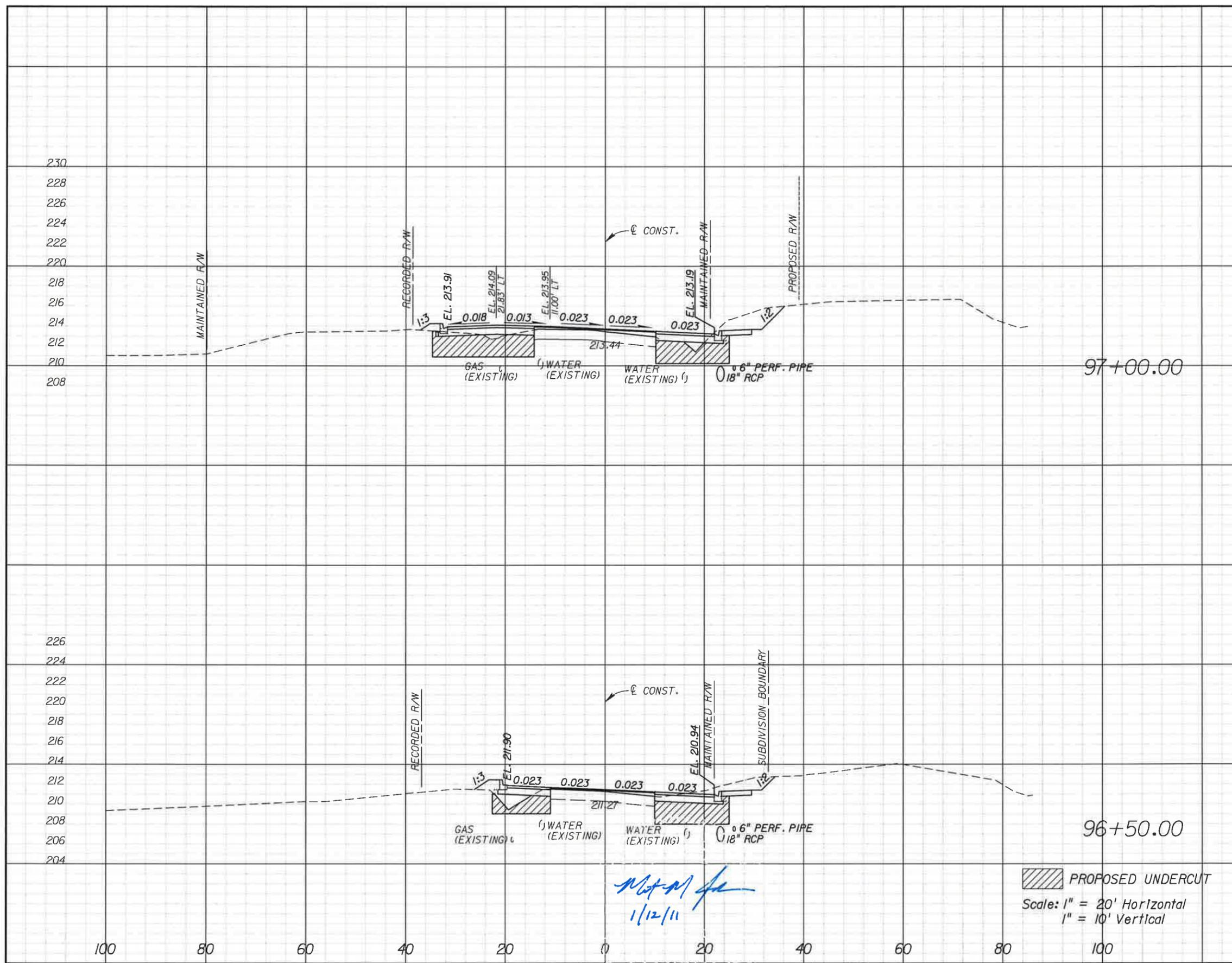
*M.M.J.*  
1/12/11

**LEON COUNTY**  
CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY INTERSECTION IMPROVEMENTS**

**BANNERMAN ROAD CROSS SECTIONS**

SHEET NO. **26**

Undercut		Regular Exc.		Embankment	
A	V	A	V	A	V
75.07	115.57	26.41	50.34	80.72	130.09
49.75	57.39	27.96	27.86	59.78	77.61



*Matthew M. Johnson*  
1/12/11

PROPOSED UNDERCUT  
Scale: 1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineer of Record: **PBS&J** MATTHEW M. JOHNSON  
P.E. # 69754  
2639 N. MONROE ST. BLDG C  
TALLAHASSEE, FL 32303  
(850) 575-1800  
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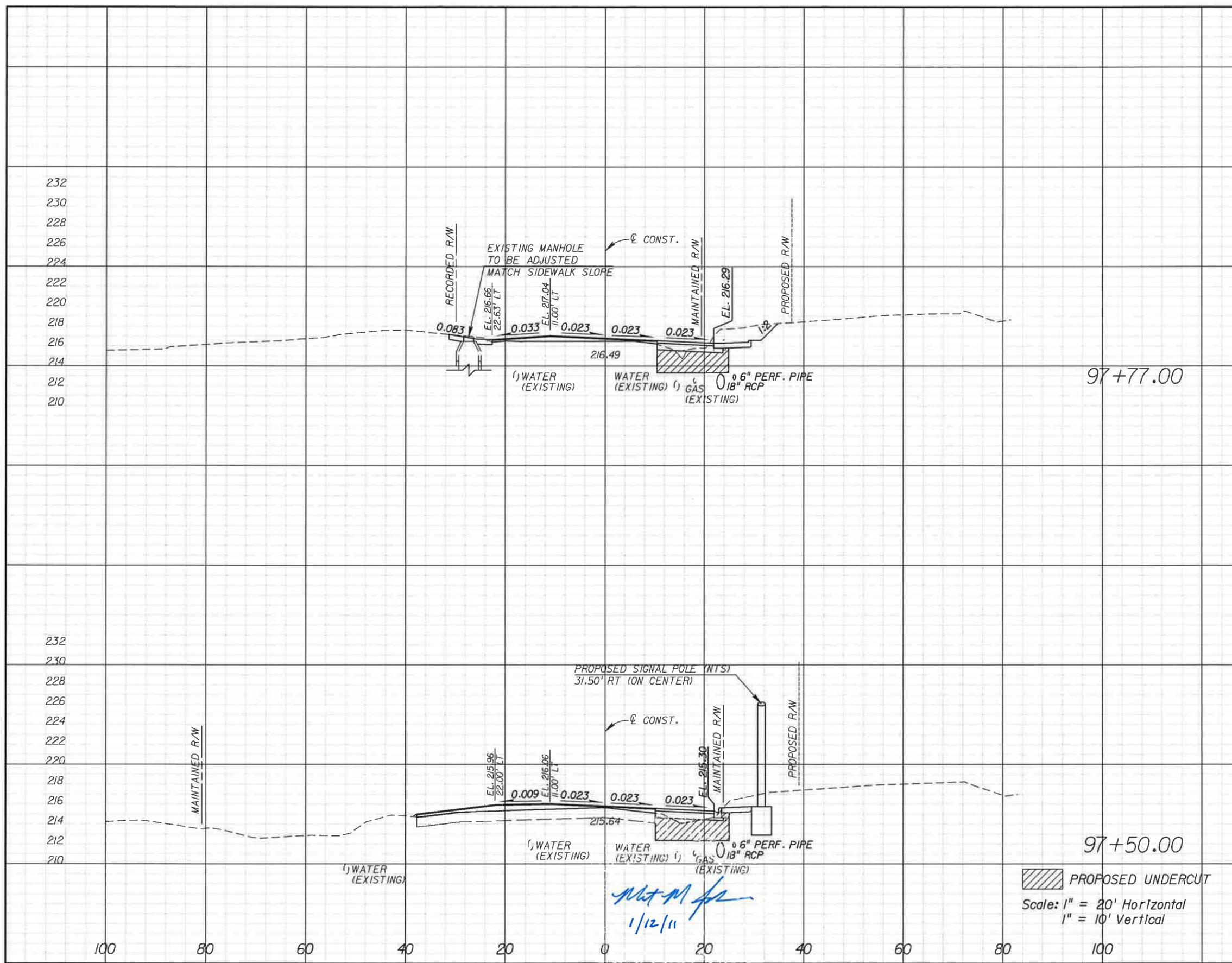


LEON COUNTY  
CONSTRUCTION PLANS FOR:  
BANNERMAN & BULL HEADLEY  
INTERSECTION IMPROVEMENTS

BANNERMAN ROAD  
CROSS SECTIONS

SHEET NO.  
27

Undercut		Regular Exc.		Embankment	
A	V	A	V	A	V
31.50		29.48		31.53	
	31.56		17.38		32.38
31.61		5.28		33.23	
	98.78		29.34		105.51



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineer of Record: **MATTHEW M. JOHNSON**  
 P.E. # 69754  
 2539 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
 (850) 575-1800  
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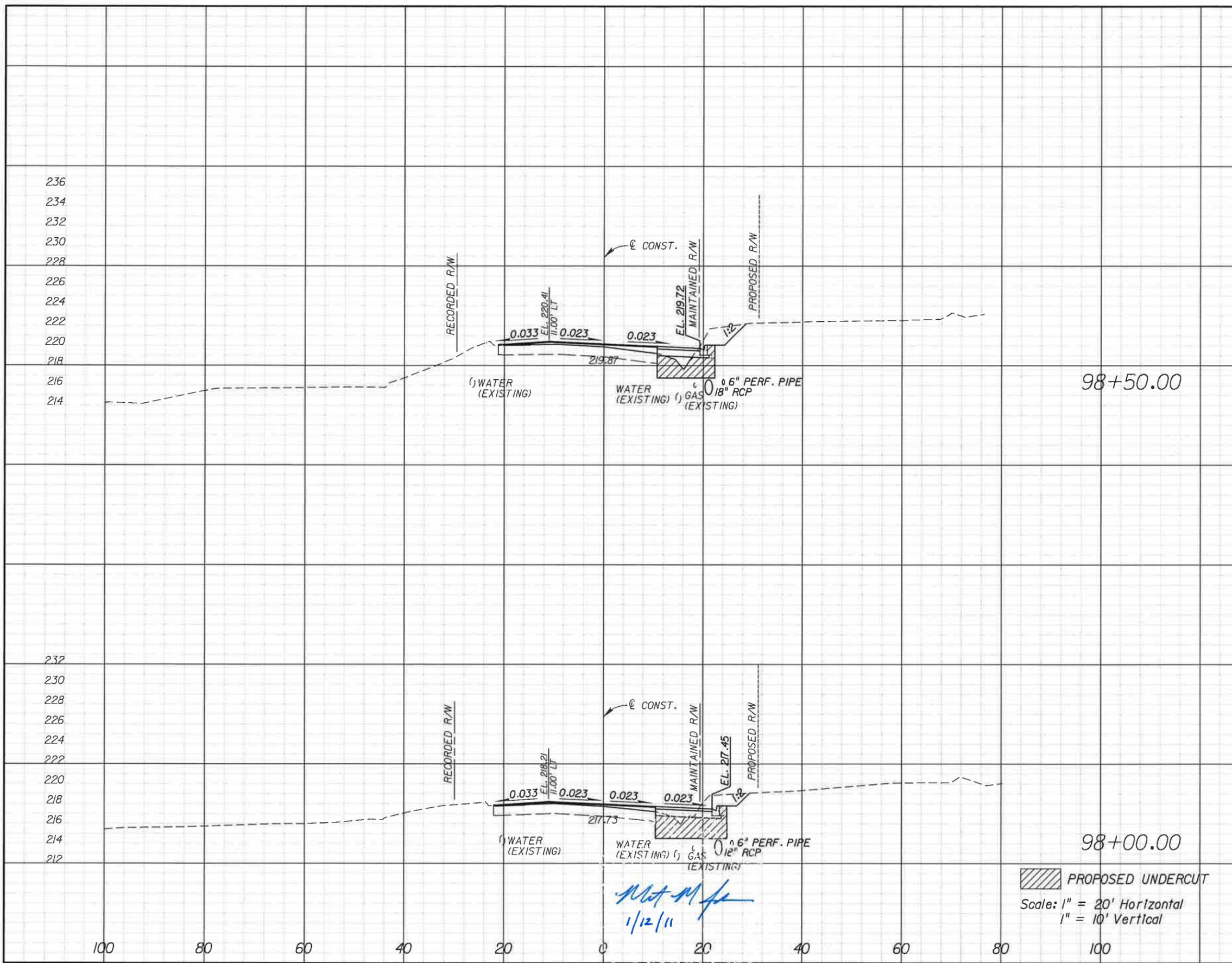


**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS**

**BANNERMAN ROAD  
 CROSS SECTIONS**

SHEET  
 NO.  
**28**

Undercut		Regular Exc.		Embankment	
A	V	A	V	A	V
23.69	51.44	13.63	26.61	26.41	54.83
31.86	26.99	15.11	18.99	32.81	27.40



*Matthew M. Johnson*  
1/12/11

**PROPOSED UNDERCUT**  
Scale: 1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

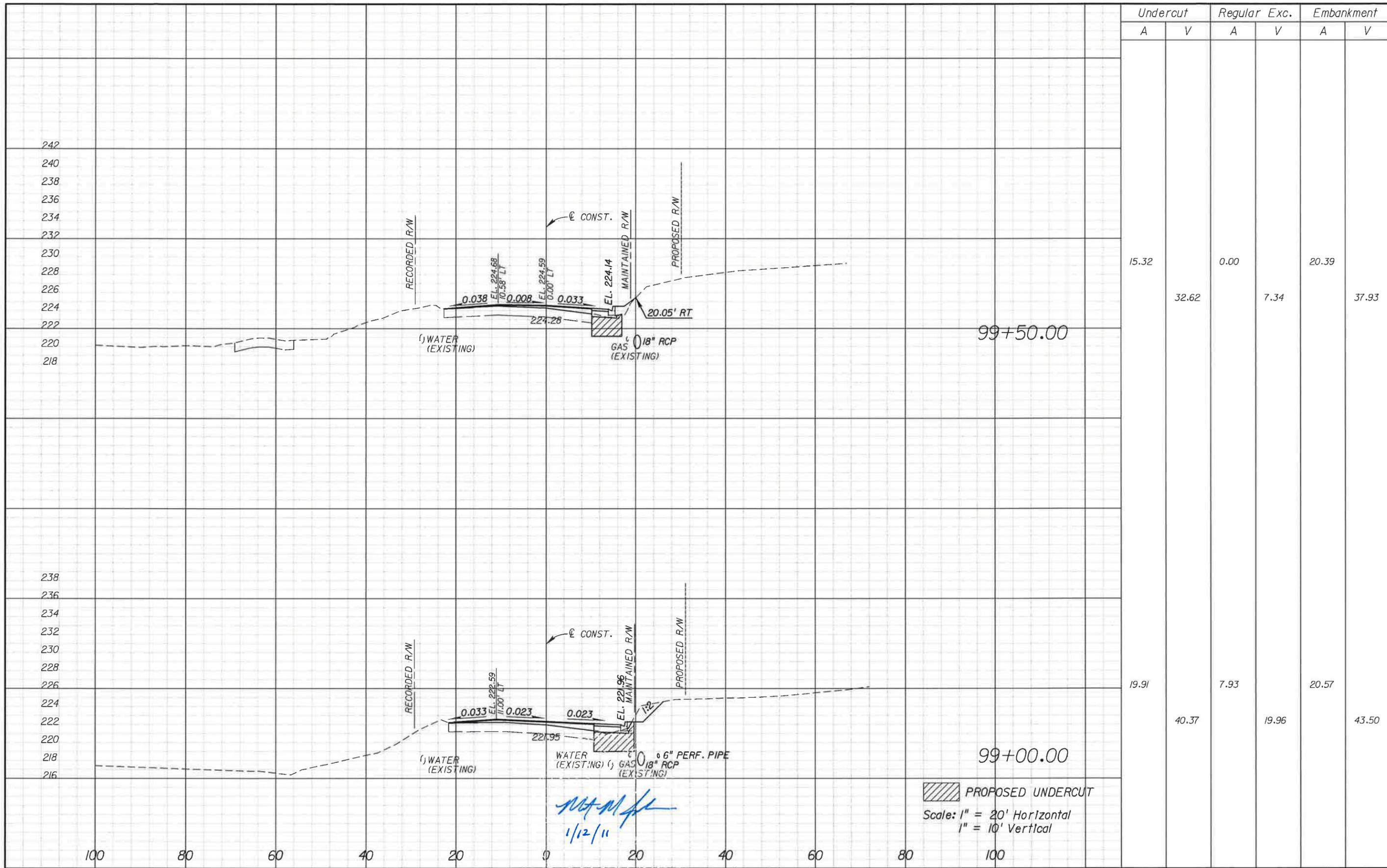
Engineer of Record:  
**PBSJ**  
MATTHEW M. JOHNSON  
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**LEON COUNTY**  
CONSTRUCTION PLANS FOR:  
BANNERMAN & BULL HEADLEY  
INTERSECTION IMPROVEMENTS

**BANNERMAN ROAD  
CROSS SECTIONS**

SHEET NO.  
**29**



Undercut		Regular Exc.		Embankment	
A	V	A	V	A	V
15.32		0.00		20.39	
	32.62		7.34		37.93
19.91		7.93		20.57	
	40.37		19.96		43.50

 PROPOSED UNDERCUT  
 Scale: 1" = 20' Horizontal  
 1" = 10' Vertical

M.M.J.  
 1/12/11

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

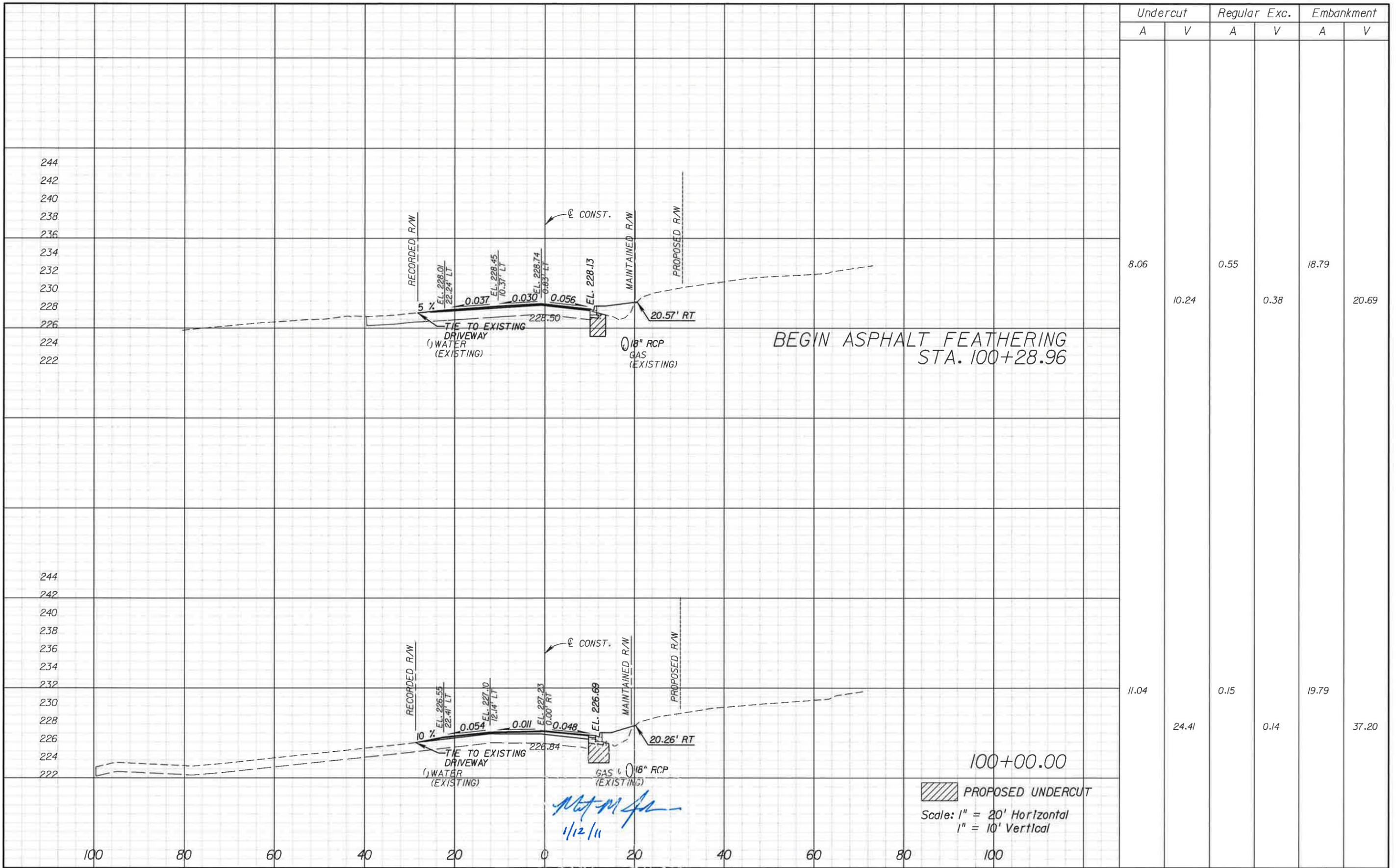
Engineer of Record:  
**PBSJ**  
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
 BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS

**BANNERMAN ROAD  
 CROSS SECTIONS**

SHEET  
 NO.  
 30



Undercut		Regular Exc.		Embankment	
A	V	A	V	A	V
8.06		0.55		18.79	
	10.24		0.38		20.69
11.04		0.15		19.79	
	24.41		0.14		37.20

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY INTERSECTION IMPROVEMENTS**

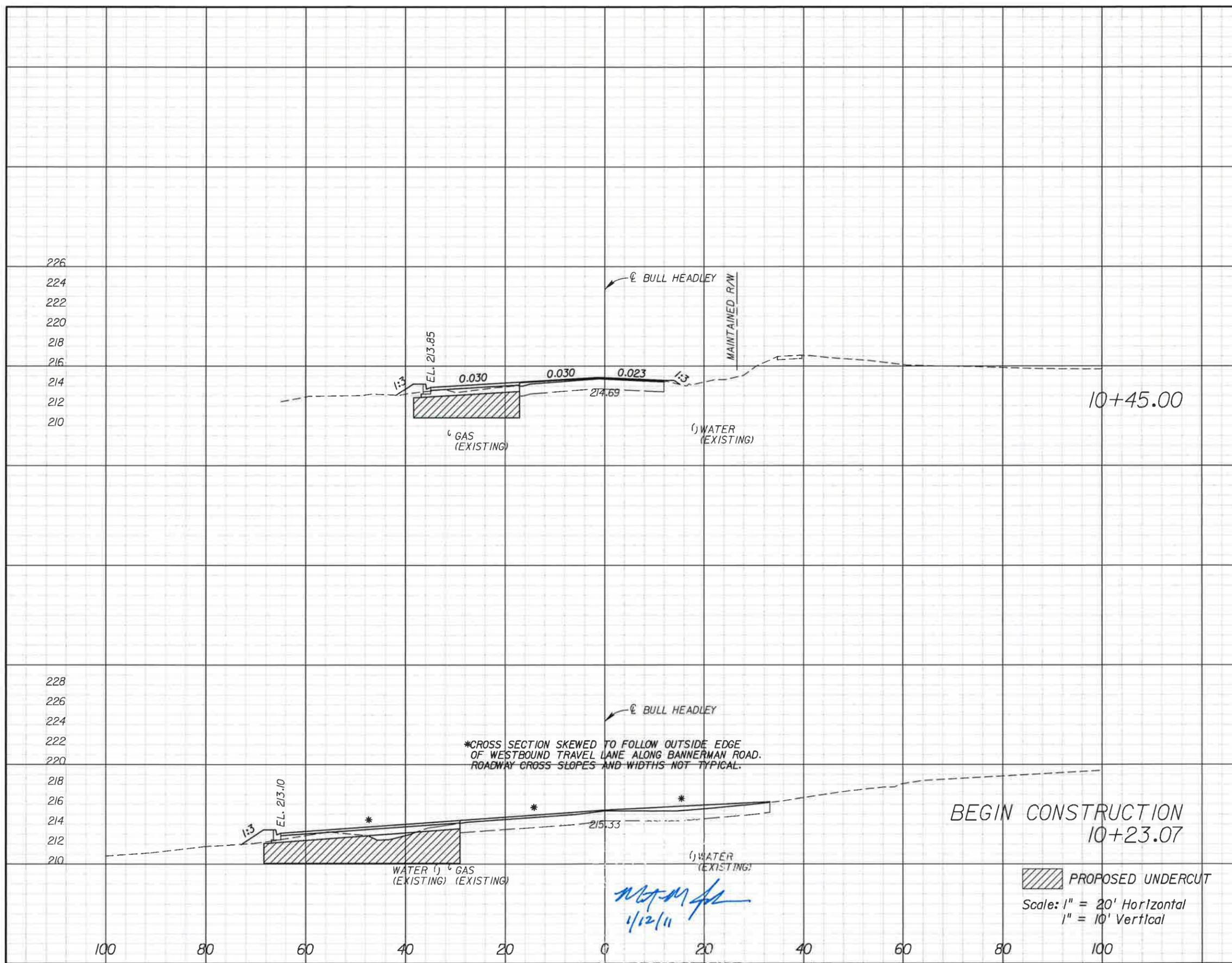


**BANNERMAN ROAD CROSS SECTIONS**

SHEET NO.  
**31**



Undercut		Regular Exc.		Embankment	
A	V	A	V	A	V
48.88		9.67		52.72	
	59.58		7.99		64.63
97.84		10.01		106.42	
	0.00		0.00		0.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

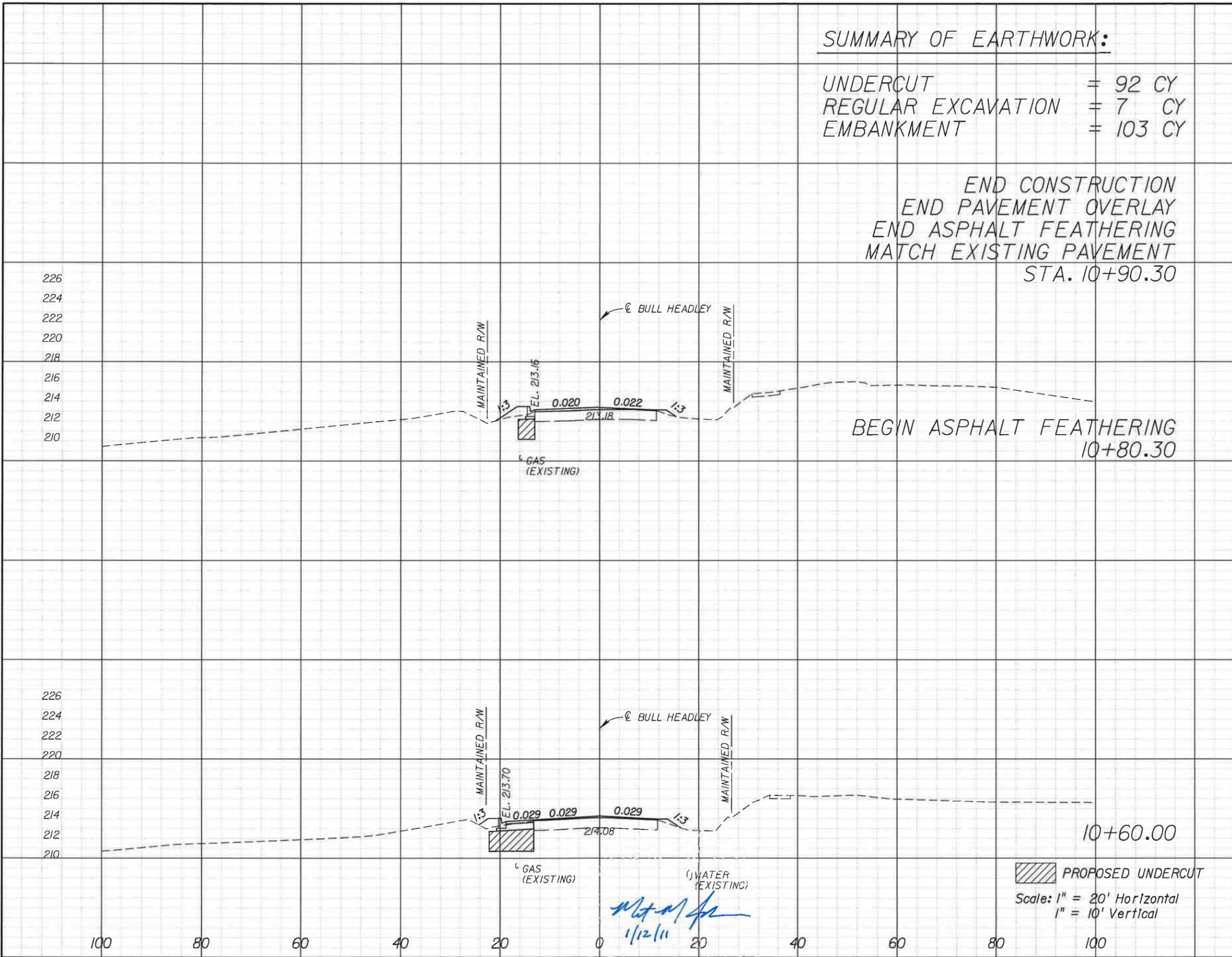
Engineer of Record: MATTHEW M. JOHNSON  
 P.E. # 69754  
**PBS&J**  
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
 BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS

**BULL HEADLEY ROAD  
 CROSS SECTIONS**

SHEET NO.  
**33**



SUMMARY OF EARTHWORK:

UNDERCUT = 92 CY  
 REGULAR EXCAVATION = 7 CY  
 EMBANKMENT = 103 CY

END CONSTRUCTION  
 END PAVEMENT OVERLAY  
 END ASPHALT FEATHERING  
 MATCH EXISTING PAVEMENT  
 STA. 10+90.30

BEGIN ASPHALT FEATHERING  
 10+80.30

10+60.00

PROPOSED UNDERCUT  
 Scale: 1" = 20' Horizontal  
 1" = 10' Vertical

Undercut		Regular Exc.		Embankment	
A	V	A	V	A	V
6.73		1.01		11.63	
9.60		1.89		13.23	
18.82		4.02		23.57	
18.81		3.80		21.19	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

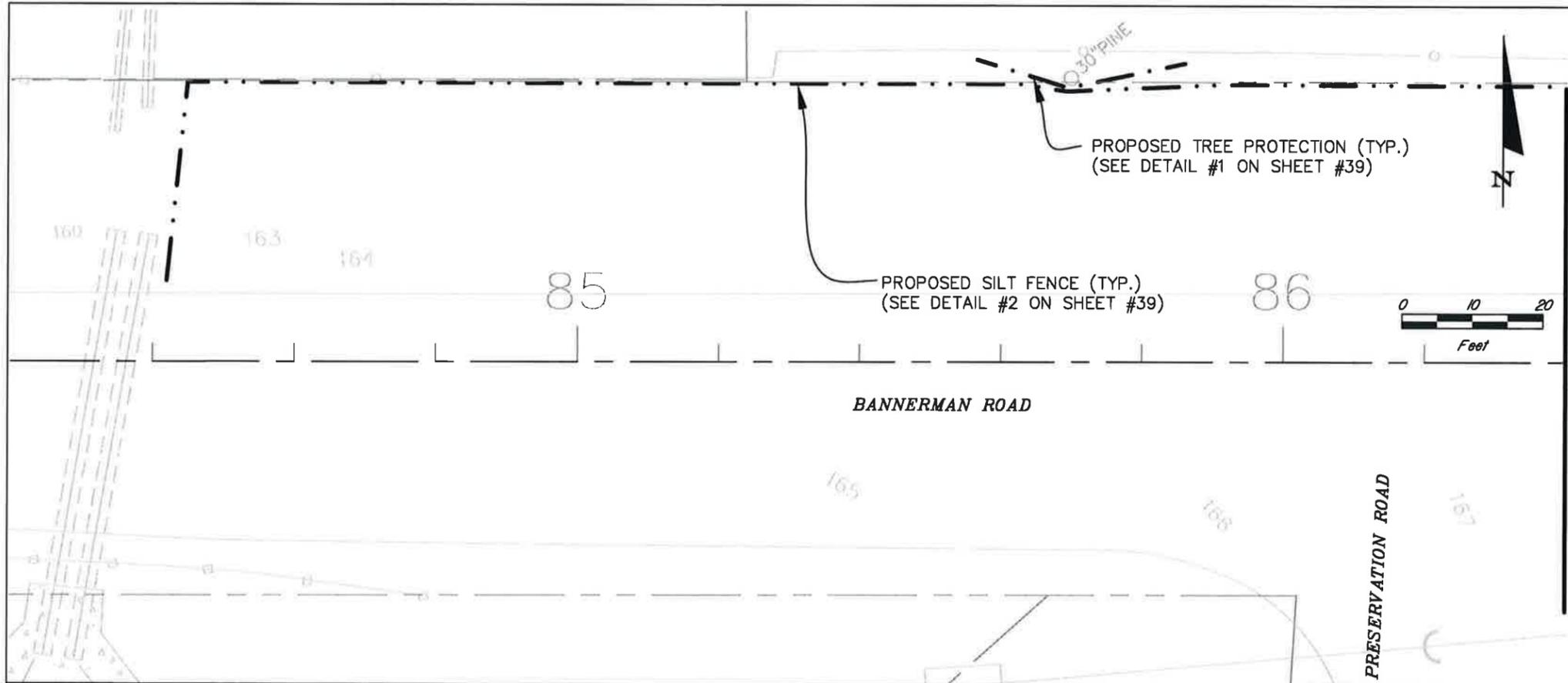
Engineer of Record:  
**PBSJ** MATTHEW M. JOHNSON  
 P.E. # 69754  
 2639 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
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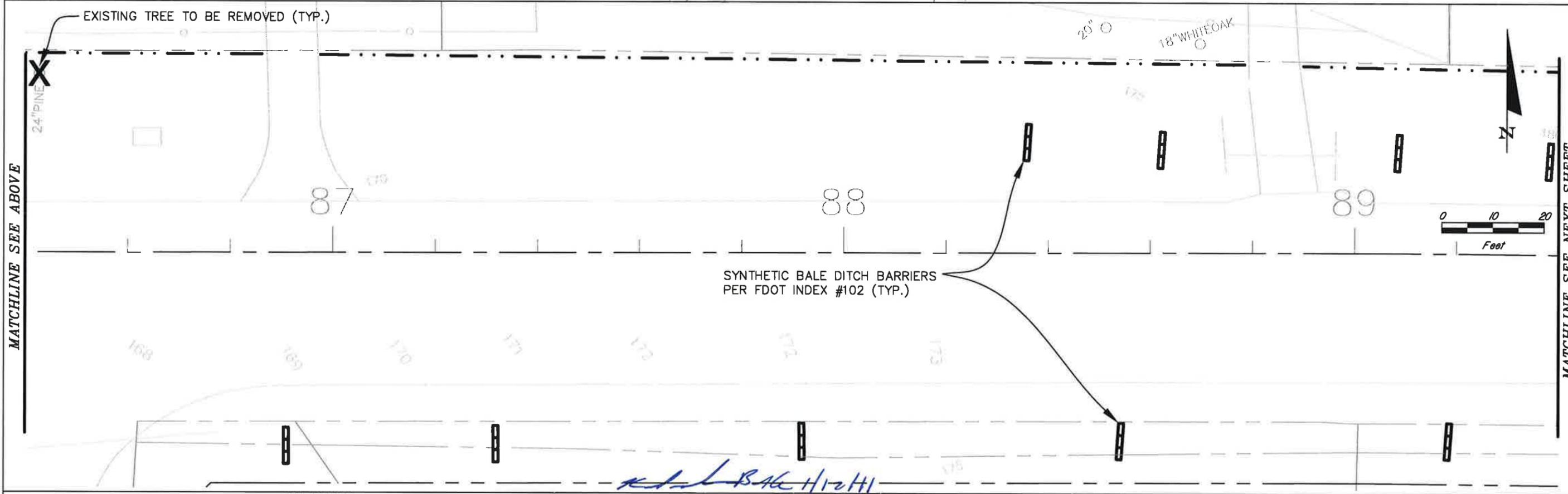
**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
 BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS

**BULL HEADLEY ROAD  
 CROSS SECTIONS**

SHEET NO.  
**34**



- LEGEND (SHEETS 35-38)**
- PROPOSED TREE PROTECTION (SEE DETAIL #1 ON SHEET #39)
  - PROPOSED SILT FENCE (SEE DETAIL #2 ON SHEET #39)
  - SYNTHETIC BALE DITCH BARRIERS PER FDOT INDEX #102
  - EXISTING RIGHT OF WAY
  - PROPOSED RIGHT OF WAY
  - EXISTING 18" TREES (OR LARGER) W/SIZE AND TYPE
  - ABBREVIATION FOR SWEETGUM TREES
  - ABBREVIATION FOR WATER OAK TREES
  - EXISTING TREE TO BE REMOVED (TYP.)



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record: **KATHERINE GONSALVES BURKE**  
 P.E. NO. 42576  
**PBSJ**  
 2639 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
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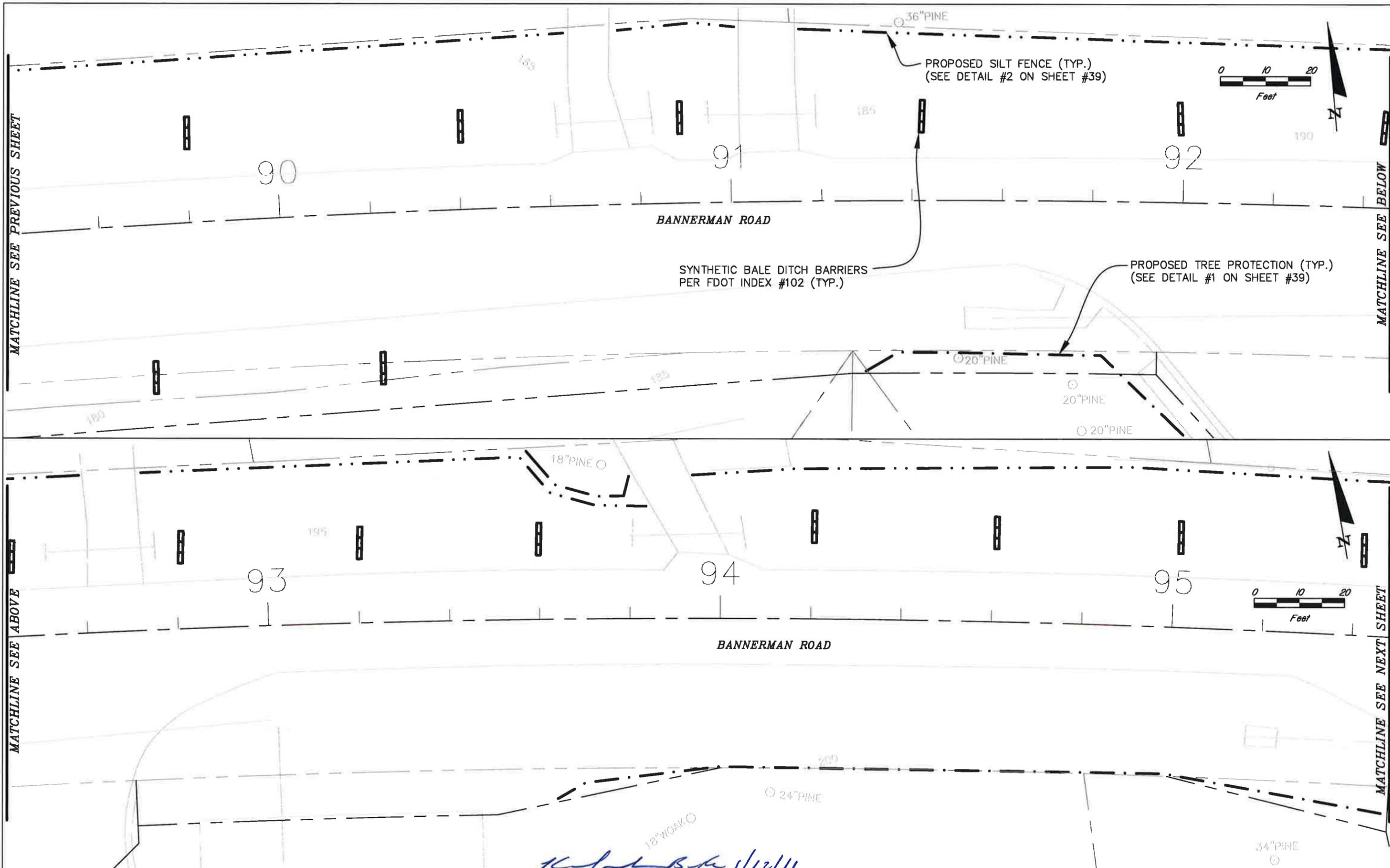


**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY INTERSECTION IMPROVEMENTS**

**EROSION CONTROL AND TREE PROTECTION PLAN**

SHEET NO.  
**35**

H:\GP\Drawings-BullHeadley-Intersection\Construction-control-plan.dwg 11/09/2010 08:58:53 AM



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record: **KATHERINE GONSALVES BURKE**  
 P.E. NO. 42576  
 2639 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
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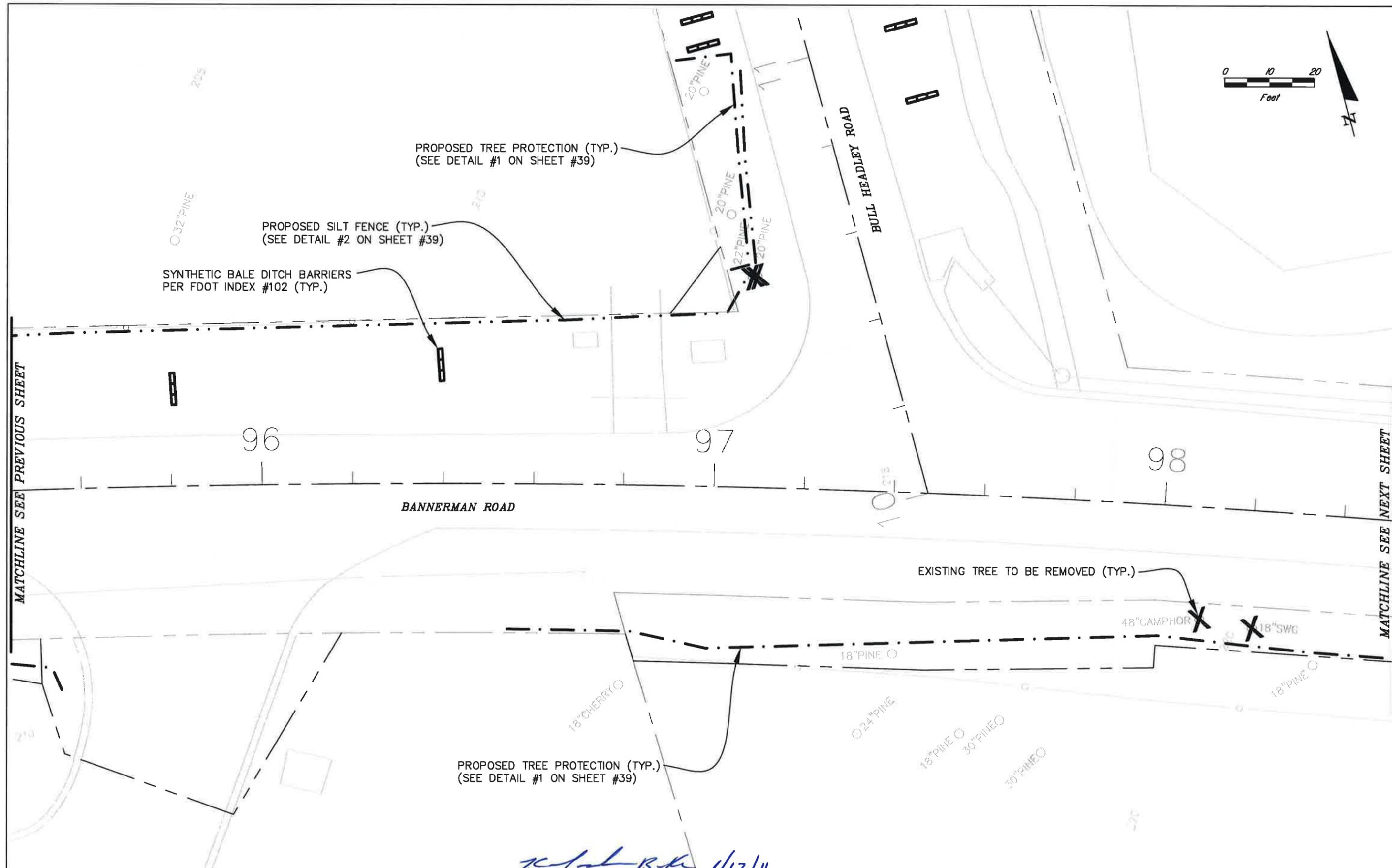
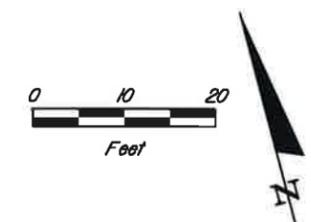


**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY INTERSECTION IMPROVEMENTS**

**EROSION CONTROL AND TREE PROTECTION PLAN**

SHEET NO.  
**36**

11/25/2010 10:58:24 AM



MATCHLINE SEE PREVIOUS SHEET

MATCHLINE SEE NEXT SHEET

96

97

98

BANNERMAN ROAD

BULL HEADLEY ROAD

PROPOSED TREE PROTECTION (TYP.)  
(SEE DETAIL #1 ON SHEET #39)

PROPOSED SILT FENCE (TYP.)  
(SEE DETAIL #2 ON SHEET #39)

SYNTHETIC BALE DITCH BARRIERS  
PER FDOT INDEX #102 (TYP.)

EXISTING TREE TO BE REMOVED (TYP.)

PROPOSED TREE PROTECTION (TYP.)  
(SEE DETAIL #1 ON SHEET #39)

*Katherine Burke* 11/2/11

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

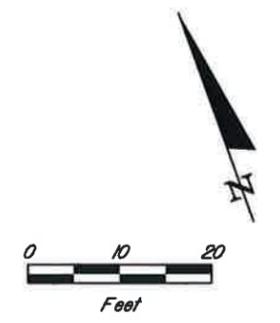
Engineer of Record: **KATHERINE CONSAVES BURKE**  
P.E. NO. 42576  
2639 N. MONROE ST. BLDG C  
TALLAHASSEE, FL 32303  
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**LEON COUNTY**  
CONSTRUCTION PLANS FOR:  
BANNERMAN & BULL HEADLEY  
INTERSECTION IMPROVEMENTS

**EROSION CONTROL AND  
TREE PROTECTION PLAN**

SHEET NO.  
**37**



MATCHLINE SEE PREVIOUS SHEET



PROPOSED TREE PROTECTION (TYP.)  
(SEE DETAIL #1 ON SHEET #39)

*K.S.B. 1/12/11*

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record: **KATHERINE CONSAVES BURKE**  
 P.E. NO. 42576  
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS**

**EROSION CONTROL AND  
 TREE PROTECTION PLAN**

SHEET NO.  
**38**



## TRAFFIC CONTROL GENERAL NOTES:

1. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS, THE CURRENT EDITION OF THE F.D.O.T. DESIGN STANDARDS INDEX NOS. 600, 601, 602, 603, 604, 605, AND 606, DEPENDING UPON THE TYPE OF OPERATION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD).
2. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE THROUGHOUT THE PROJECT DURING ALL PHASES OF CONSTRUCTION.
3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING ALL PHASES OF CONSTRUCTION.
4. TRAFFIC CONDITIONS, ACCIDENTS AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT OR REMOVE LANE CLOSURES OR CHANNELIZATIONS. THE CONTRACTOR SHALL RESPOND AND PROVIDE ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY UNDER THESE CONDITIONS. THE CONTRACTOR SHALL ALSO RESPOND WITHIN TIME CONSTRAINTS OUTLINED IN THE STANDARD SPECIFICATIONS UPON NOTIFICATION BY THE ENGINEER TO ANY REQUEST FOR CORRECTION, IMPROVEMENT, OR MODIFICATION TO THE TRAFFIC CONTROL PLAN AND/ OR DEVICES.
5. THE CONTRACTOR SHALL INSTALL TEMPORARY PAVEMENT MARKINGS INDICATING LANE LINES. ARROWS AND PAVEMENT MESSAGES SHALL BE PROVIDED TO COMPLETELY DEFINE TRAFFIC OPERATIONS DURING AND AT THE END OF EACH OPERATION AND/OR DAY'S OPERATION. ANY REQUIRED TEMPORARY PAVEMENT MARKINGS SHALL BE IN PLACE BEFORE OPENING LANES TO TRAFFIC. COST SHALL BE INCLUDED IN THE UNIT PRICE FOR MAINTENANCE OF TRAFFIC.
6. CONFLICTING OR MISLEADING PAVEMENT MARKINGS SHALL BE REMOVED BY WATER BLASTING OR OTHER METHOD PRODUCING THE SAME RESULTS.
7. ALL EXISTING PAVEMENT MARKINGS OUTSIDE THE LIMITS OF CONSTRUCTION, WHICH ARE ALTERED SHALL BE REPLACED UPON COMPLETION OF THE PROJECT. ALL COST SHALL BE INCLUDED IN THE BID PRICE FOR MAINTENANCE OF TRAFFIC. REMOVAL OF EXISTING PAVEMENT MARKINGS AND APPLICATION OF REMOVABLE OR TEMPORARY PAVEMENT MARKINGS SHALL BE COMPLETED IN ACCORDANCE WITH INDEX NO. 600.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ALL UNUSED BARRICADES, SIGNS, AND/ OR WARNING DEVICES TO THE APPROPRIATE STORAGE FACILITY UPON COMPLETION OF THEIR USE FOR THE DESIRED TRAFFIC CONTROL OPERATION. MAINTENANCE OF TRAFFIC SIGNS MAY REMAIN IN PLACE, BUT SHALL BE FACING TRAFFIC AND COMPLETELY COVERED AS NOT TO BE READABLE.
9. A REGULATORY SPEED OF 35 MPH SHALL BE USED FOR TRAFFIC CONTROL DURING CONSTRUCTION.
10. THE CONTRACTOR SHALL CONFIRM THAT EXISTING SIGNAGE WILL NOT POSE A CONFLICT FOR WORK ZONE TRAFFIC CONTROL. THE CONTRACTOR SHALL COVER, RELOCATE OR REMOVE ALL SIGNING IN CONFLICT WITH TRAFFIC CONTROL DURING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL PROVIDE A SAFE STORAGE OF SIGNING MATERIALS TO BE REINSTALLED (RELOCATED) AT COMPLETION OF PROJECT. SEE THE GENERAL NOTES CONCERNING STREET NAME SIGNS.
11. ALL VEHICLES, EQUIPMENT, WORKERS AND THEIR ACTIVITIES SHALL BE RESTRICTED TO ONE SIDE OF THE ROAD AT A TIME.
12. WORKING HOURS SHALL BE FROM 9:00 AM TO 4:00 PM, MONDAY THROUGH FRIDAY. HOWEVER, UPON REQUEST OF THE CONTRACTOR, THE ENGINEER OR HIS DESIGNEE MAY CONSIDER AN ALTERNATIVE TO THESE WORKING HOURS BASED ON THE TIME OF THE YEAR, SITE, WEATHER, AND TRAFFIC CONDITIONS.
13. SINGLE LANE CLOSURES WILL BE ALLOWED BETWEEN 9:00 AM AND 4:00 PM. LANE CLOSURES WILL NOT BE ALLOWED DURING SPECIAL EVENTS AND DURING THE FOLLOWING HOLIDAY PERIODS:
 

MEMORIAL DAY	(LAST MONDAY IN MAY)
INDEPENDENCE DAY	(JULY 3 AND 4)
LABOR DAY	(FIRST MONDAY IN SEPTEMBER)
THANKSGIVING	(LAST THURSDAY THRU SUNDAY OF NOVEMBER)
CHRISTMAS EVE	(DECEMBER 24)
CHRISTMAS DAY	(DECEMBER 25)
NEW YEARESEVE	(DECEMBER 31)
NEW YEARS DAY	(JANUARY 1).
14. UPON AWARD OF CONTRACT, THE CONTRACTOR SHALL COORDINATE WITH LEON COUNTY REGARDING ANY AND ALL LANE CLOSURES.
15. FIRE STATION ACCESS SHALL BE MAINTAINED AT ALL TIMES.
16. ARROWS INDICATE DIRECTION OF TRAVEL ONLY AND DO NOT REFLECT PAVEMENT MARKINGS UNLESS OTHERWISE NOTED.
17. TRAFFIC CONTROL OFFICERS SHALL BE UTILIZED DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH LEON COUNTY REGARDING THE USE OF TRAFFIC CONTROL OFFICERS. ASSOCIATED COSTS SHALL BE INCLUDED IN MAINTENANCE OF TRAFFIC.
18. THE CITY OF TALLAHASSEE TRAFFIC ENGINEERING SHALL SET SIGNAL TIMING WHEN TRAFFIC LOOPS ARE REMOVED DURING CONSTRUCTION.
19. SIGNAL CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL CABINET DURING CONSTRUCTION. IF SIGNAL CONTRACTOR DOES NOT HAVE A KEY FOR THE CABINET, ONE WILL BE PROVIDED BY CITY OF TALLAHASSEE TRAFFIC ENGINEERING.
20. CONTRACTOR SHALL ADJUST SIGNAL HEADS TO ALIGN WITH ANY LANE ADJUSTMENTS.
21. ALL NEWLY CONSTRUCTED ROADWAY SHALL BE STABILIZED AT THE END OF EACH WORKING DAY.
22. THE CONTRACTOR SHALL RESTRICT MILLING OPERATIONS SUCH THAT ANY LANE MILLED WILL BE PAVED BACK DURING THE SAME WORK DAY OPERATION.

M. Johnson  
1/12/11

## CONSTRUCTION SEQUENCE & PHASING NOTES:

### PHASE I

1. PRIOR TO BEGINNING CONSTRUCTION, CONTACT LEON COUNTY GROWTH MANAGEMENT DEPARTMENT TO SCHEDULE A PRE-CONSTRUCTION MEETING TO BE HELD WITH LEON COUNTY PUBLIC WORKS, THE ENVIRONMENTAL INSPECTOR, AND AFFECTED UTILITIES.
2. INSTALL ADVANCED PROJECT CONSTRUCTION SIGNING PER ADVANCED PROJECT SIGNING DETAIL. MAINTAIN TRAFFIC ACCORDING TO FDOT INDEX 601.
3. INSTALL EROSION CONTROL ITEMS AND TREE PROTECTION BARRICADES. MAINTAIN TRAFFIC ACCORDING TO FDOT INDEX 601 AND 602.
4. CONSTRUCT STORMWATER MANAGEMENT FACILITY AS SHOWN ON SHEET 12. MAINTAIN TRAFFIC ACCORDING TO FDOT INDEX 601 AND 602.
5. INSTALL PROPOSED TRAFFIC SIGNAL POLE AND FACILITIES. MAINTAIN TRAFFIC ACCORDING TO FDOT INDEX 602 AND 603.

### PHASE I STAGE I - ROADWAY

1. INSTALL SIGNS AND BARRICADES PER PHASE I STAGE I PLANS.
2. UTILIZE EXISTING WESTBOUND LEFT TURN LANE AND GORE AREA TO PROVIDE ADEQUATE HORIZONTAL CLEARANCE FOR EASTBOUND TRAFFIC WHEN CONSTRUCTION ENCLOSES ON EXISTING EASTBOUND TRAVEL LANE IN ACCORDANCE WITH LANE CLOSURE RESTRICTIONS.
3. CONSTRUCT PROPOSED CURB AND GUTTER, SIDEWALK AND DRAINAGE STRUCTURES ALONG SOUTH SIDE OF BANNERMAN ROAD FROM PRESERVATION ROAD TO STRUCTURE NO. 5-4. MAINTAIN TRAFFIC ACCORDING TO FDOT INDEX 602.
4. INSTALL TEMPORARY SEDIMENT TRAPS AT INLETS.

### PHASE I STAGE II - ROADWAY

1. INSTALL SIGNS AND BARRICADES PER PHASE I STAGE II PLANS.
2. CONSTRUCT PROPOSED EASTBOUND PAVEMENT WIDENING, STRUCTURAL OVERLAY, CURB AND GUTTER, SIDEWALK, AND DRAINAGE STRUCTURES FROM STRUCTURE NO. 5-4 TO END PROJECT. MAINTAIN TRAFFIC ACCORDING TO FDOT INDEX 603.
3. INSTALL TEMPORARY SEDIMENT TRAPS AT INLETS.

### PHASE II - ROADWAY

#### PHASE II STAGE I - ROADWAY

1. INSTALL TEMPORARY STRIPING, SIGNS AND BARRICADES PER PHASE II STAGE I PLANS. MAINTAIN TRAFFIC ACCORDING TO FDOT INDEX 602 AND 603.
2. CONSTRUCT PROPOSED WESTBOUND PAVEMENT WIDENING, STRUCTURAL OVERLAY, MILLING AND RESURFACING ALONG BANNERMAN ROAD, CURB AND GUTTER, DRAINAGE STRUCTURES, AND STORMWATER FACILITIES. MAINTAIN TRAFFIC ACCORDING TO PHASE II STAGE I PLANS.
3. INSTALL TEMPORARY SEDIMENT TRAPS AT INLETS.

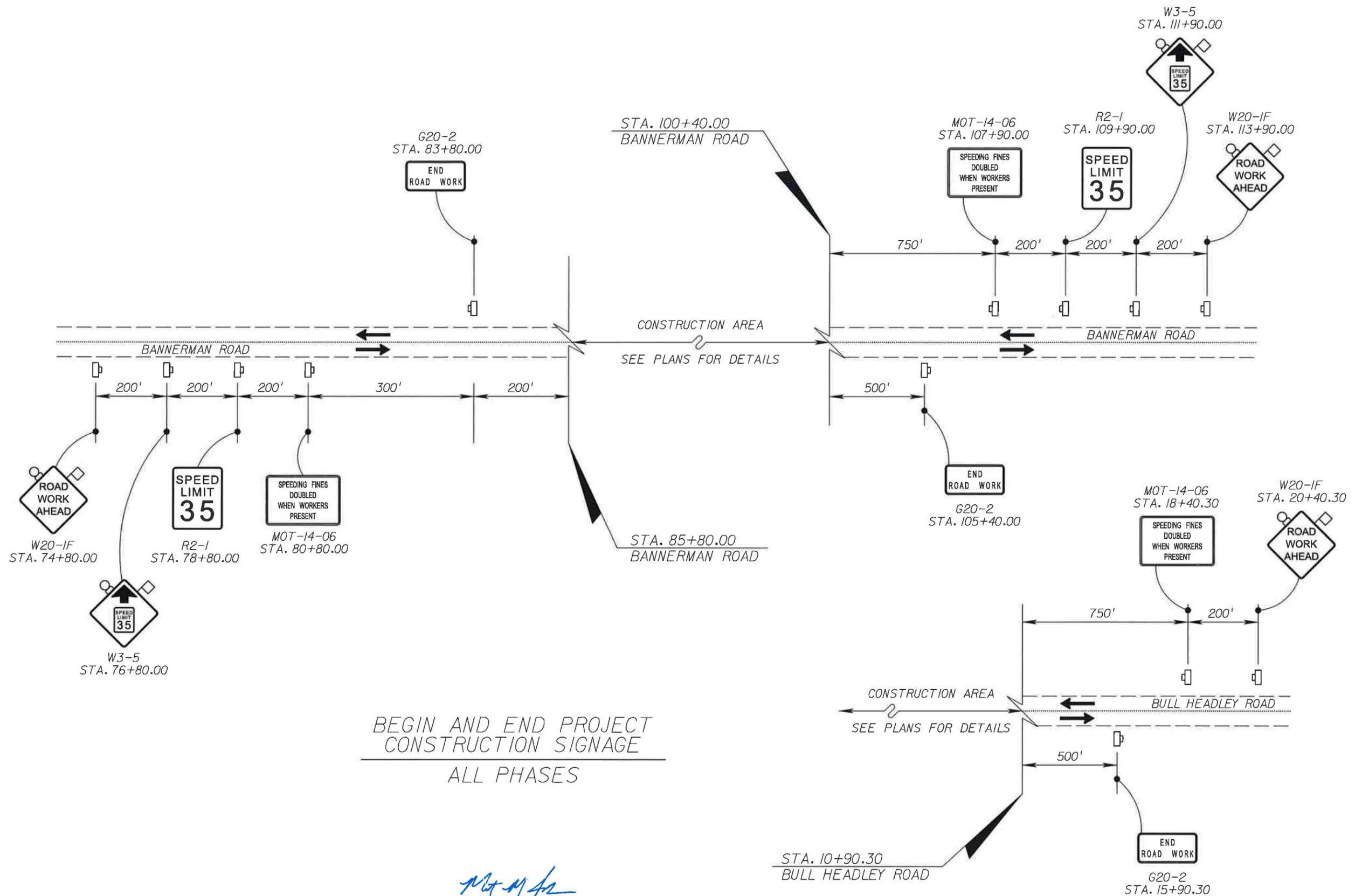
#### PHASE II STAGE II - ROADWAY

1. MAINTAIN TEMPORARY STRIPING FROM PHASE II STAGE I PLANS.
2. INSTALL TEMPORARY SIGNS AND BARRICADES PER PHASE II STAGE II PLANS. MAINTAIN TRAFFIC ACCORDING TO FDOT INDEX 602 AND 603.
3. PERFORM MILLING AND RESURFACING ALONG BULL HEADLEY ROAD AS INDICATED IN PLANS. MAINTAIN TRAFFIC ACCORDING TO PHASE II STAGE II PLANS.
4. CONTRACTOR IS REQUIRED TO COORDINATE ACTIONS BETWEEN MULTIPLE FLAGGERS SUCH THAT NORMAL TRAFFIC OPERATION IS MAINTAINED ALONG BANNERMAN ROAD THROUGHOUT THE DURATION OF LANE CLOSURE ALONG BULL HEADLEY ROAD.
5. ADJUST BARRICADES AT THE END OF EACH WORK DAY OPERATION TO RESTORE NORMAL TRAFFIC PATTERNS ALONG BULL HEADLEY ROAD.

### PHASE III - ROADWAY

1. CONSTRUCT FRICTION COURSE. MAINTAIN TRAFFIC ACCORDING TO FDOT INDEX NO. 602 AND 603.
2. INSTALL FINAL SIGNING, STRIPING, MARKINGS, AND PERMANENT RPMS. MAINTAIN TRAFFIC ACCORDING TO FDOT INDEX NO. 601, 602 AND 603.
3. SOD ALL DISTURBED AREAS.
4. FLUSH ALL STORMWATER COLLECTION SYSTEMS AND REMOVE TEMPORARY SEDIMENT TRAPS.
5. REMOVE ALL EROSION CONTROL ITEMS.
6. REMOVE ALL CONSTRUCTION SIGNAGE.
7. OPEN TO TRAFFIC.
8. PROVIDE ENGINEER WITH SIGNED AND SEALED AS-BUILT DRAWINGS.
9. REQUEST FINAL INSPECTION FROM LEON COUNTY GROWTH MANAGEMENT ENVIRONMENTAL INSPECTOR.

REVISIONS						Engineer of Record: MATTHEW M. JOHNSON P.E. # 89754 2639 N. MONROE ST. BLDG C TALLAHASSEE, FL 32303 (850) 575-1800 www.pbsj.com	LEON COUNTY CONSTRUCTION PLANS FOR: BANNERMAN & BULL HEADLEY INTERSECTION IMPROVEMENTS	TRAFFIC CONTROL NOTES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				40



BEGIN AND END PROJECT  
CONSTRUCTION SIGNAGE  
ALL PHASES

*M. M. Johnson*  
1/12/11

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

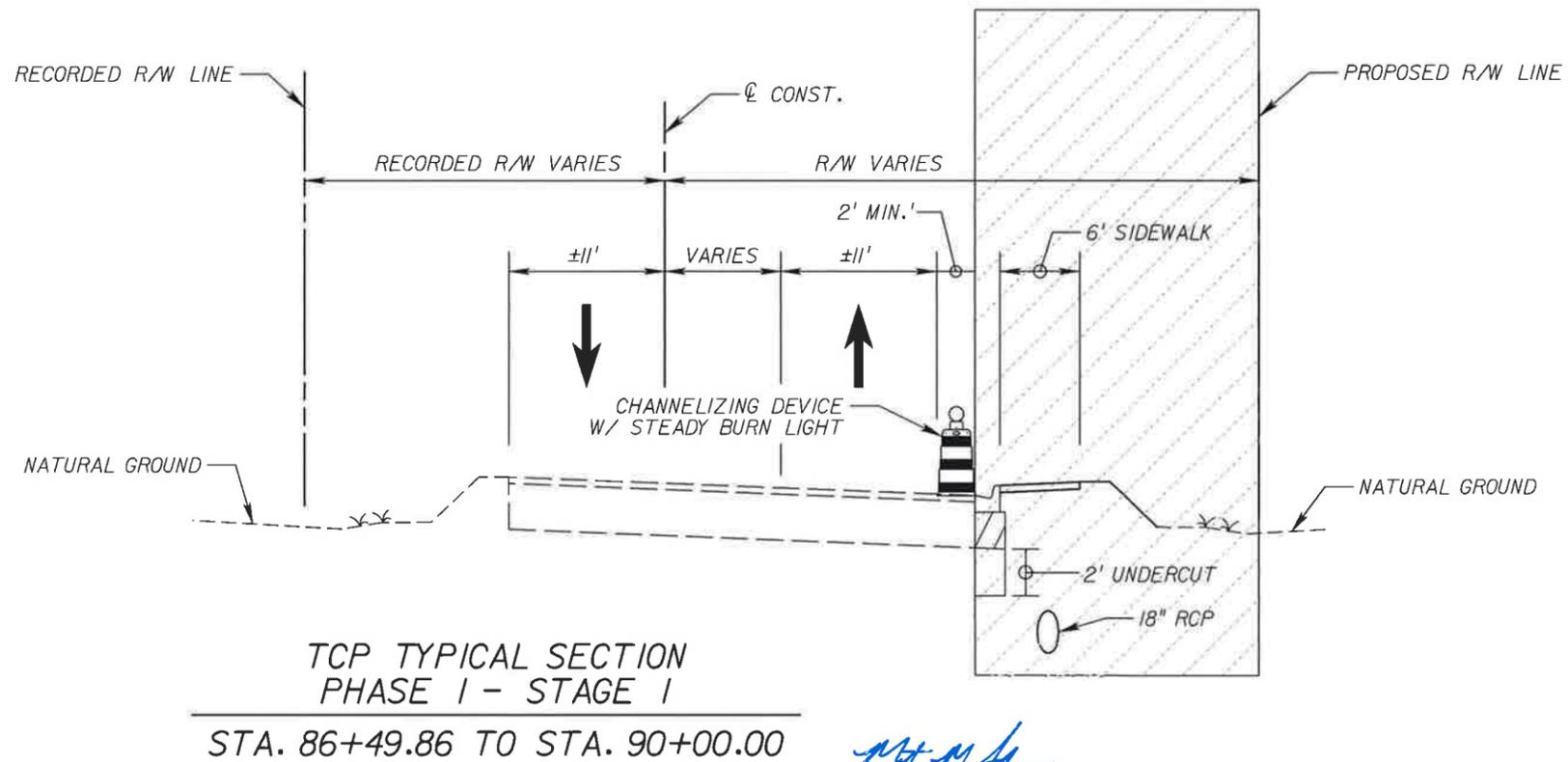
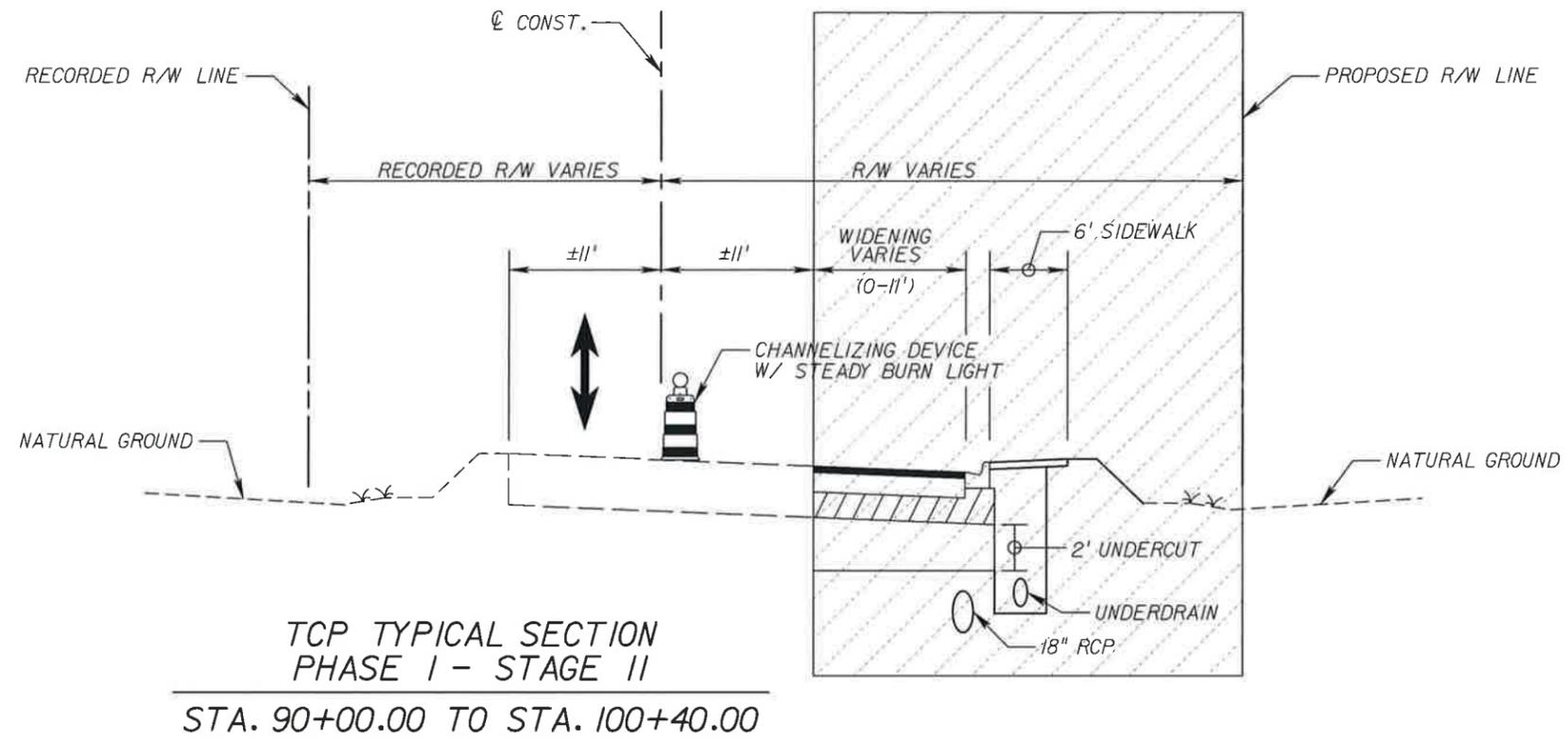
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**LEON COUNTY**  
CONSTRUCTION PLANS FOR:  
BANNERMAN & BULL HEADLEY  
INTERSECTION IMPROVEMENTS

**ADVANCED PROJECT  
SIGNING DETAIL**

SHEET  
NO.  
41



**LEGEND**

- CONSTRUCTION AREA
- DIRECTION OF TRAVEL

*Matthew M. Johnson*  
1/12/11

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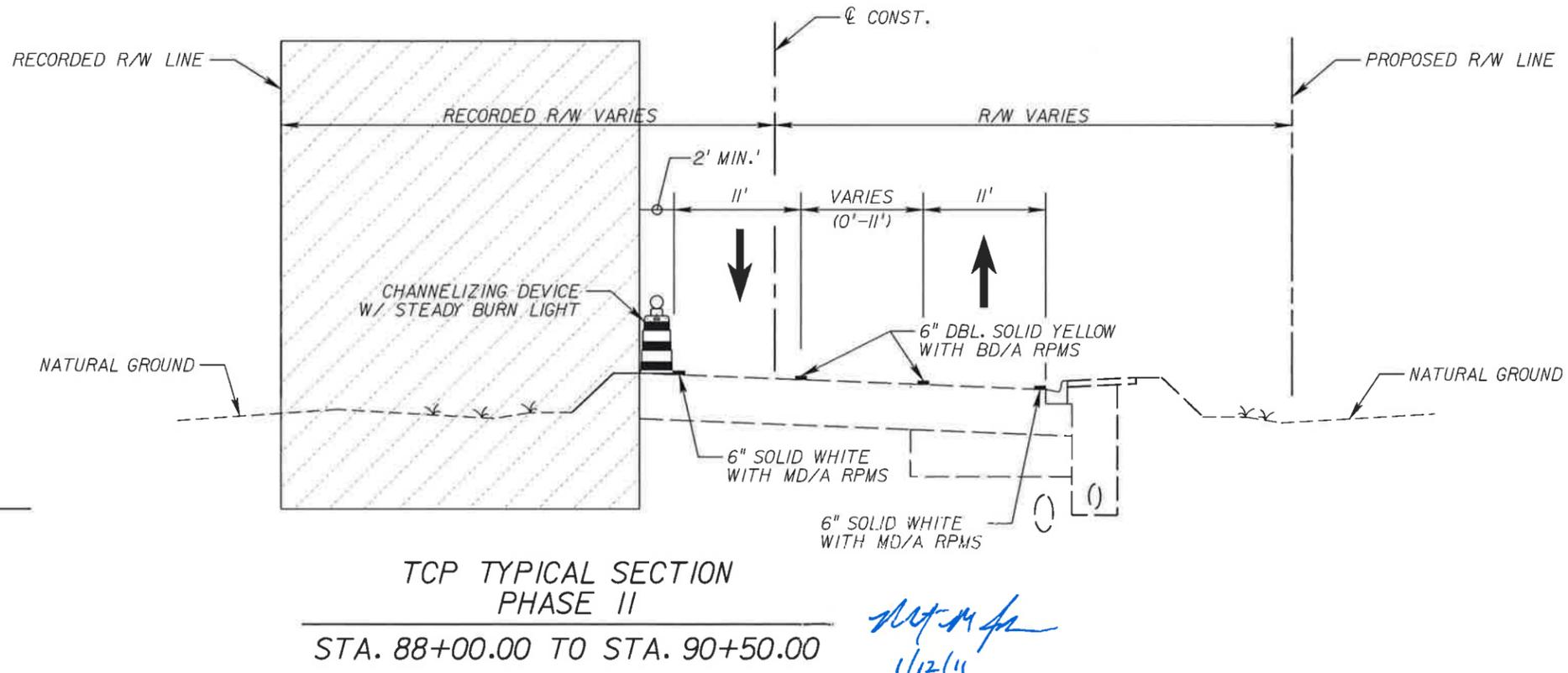
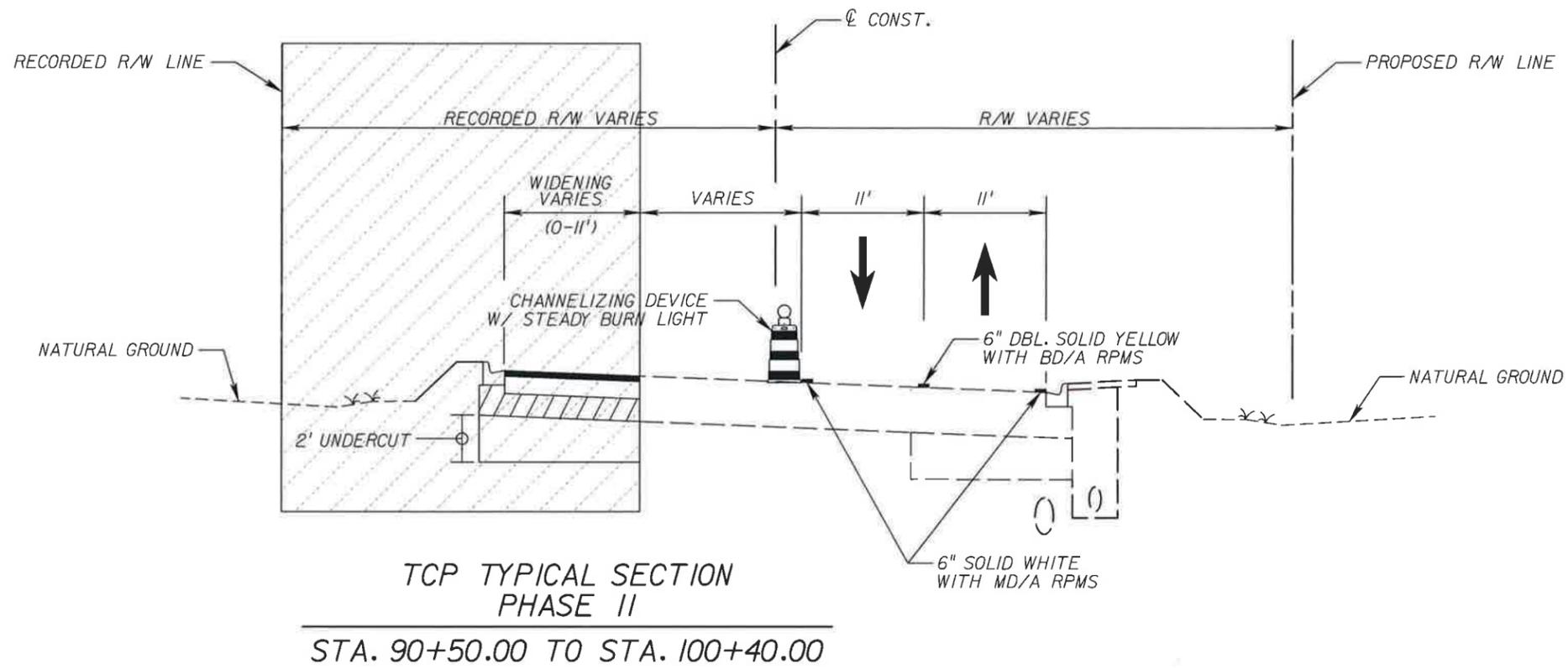
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**LEON COUNTY**  
CONSTRUCTION PLANS FOR:  
BANNERMAN & BULL HEADLEY  
INTERSECTION IMPROVEMENTS

**TRAFFIC CONTROL PLAN  
TYPICAL SECTIONS**

SHEET NO.  
42



**LEGEND**

- CONSTRUCTION AREA
- DIRECTION OF TRAVEL

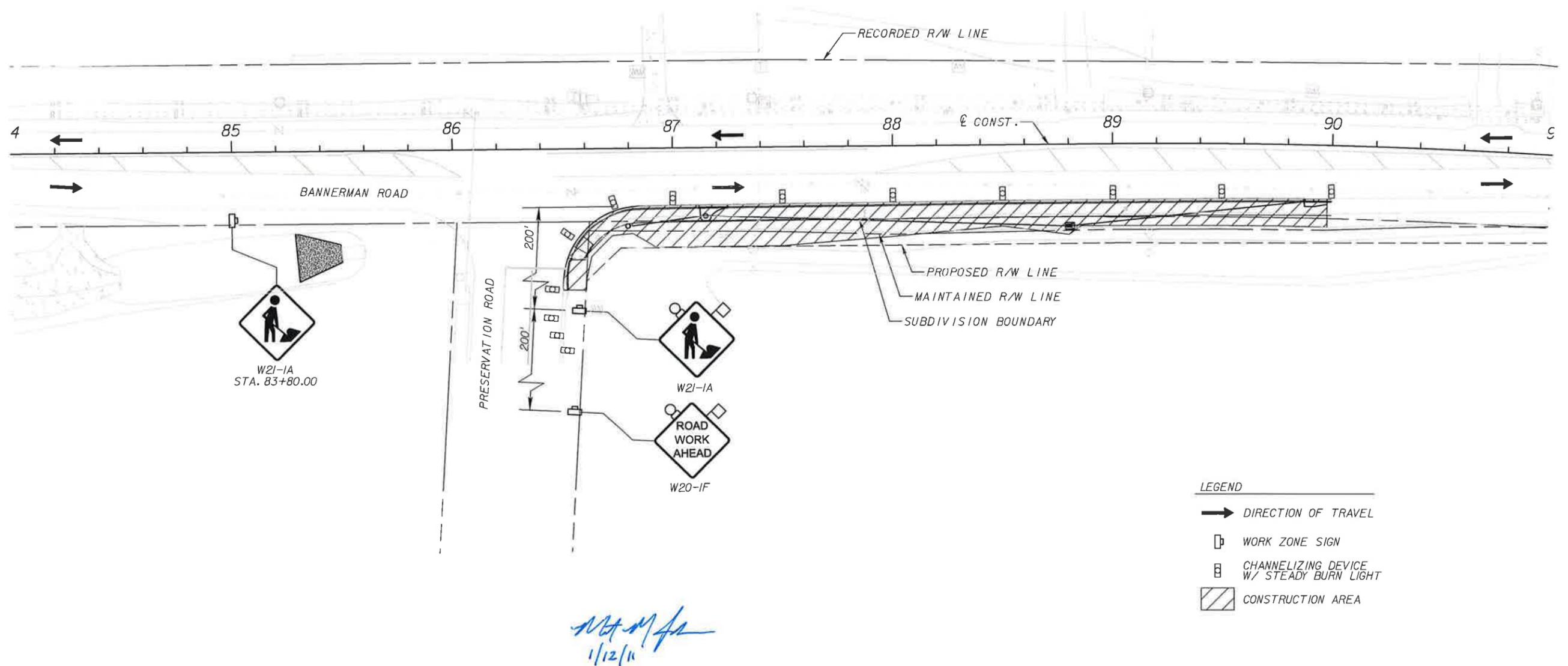
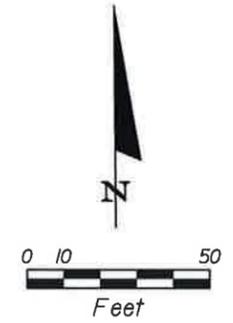
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REVISIONS						<b>Engineer of Record:</b> <b>MATTHEW M. JOHNSON</b> P.E. # 69754 2639 N. MONROE ST. BLDG C TALLAHASSEE, FL 32303 (850) 575-1800 www.pbsj.com	 <b>LEON COUNTY</b> CONSTRUCTION PLANS FOR: <b>BANNERMAN &amp; BULL HEADLEY          INTERSECTION IMPROVEMENTS</b>	<b>TRAFFIC CONTROL PLAN          TYPICAL SECTIONS</b>	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				43

**NOTES:**

1. UTILIZE EXISTING WESTBOUND LEFT TURN LANE AND GORE AREA TO PROVIDE ADEQUATE HORIZONTAL CLEARANCE FOR EASTBOUND TRAFFIC WHEN CONSTRUCTION ENCROACHES ON EXISTING EASTBOUND TRAVEL LANE IN ACCORDANCE WITH LANE CLOSURE RESTRICTIONS.
2. USE CONES AND FLAGGER TO DELINEATE TRAVEL WAY DURING DAY OPERATIONS.
3. REMOVE CONES AND PLACE BARRICADES ALONG SOUTH SIDE OF BANNERMAN ROAD AND RETURN TRAFFIC TO EXISTING TRAVEL WAY AT THE END OF EACH WORKING DAY.



**LEGEND**

- ➔ DIRECTION OF TRAVEL
- WORK ZONE SIGN
- ▣ CHANNELIZING DEVICE W/ STEADY BURN LIGHT
- ▨ CONSTRUCTION AREA

*Matthew M. Johnson*  
1/12/11

REVISIONS					
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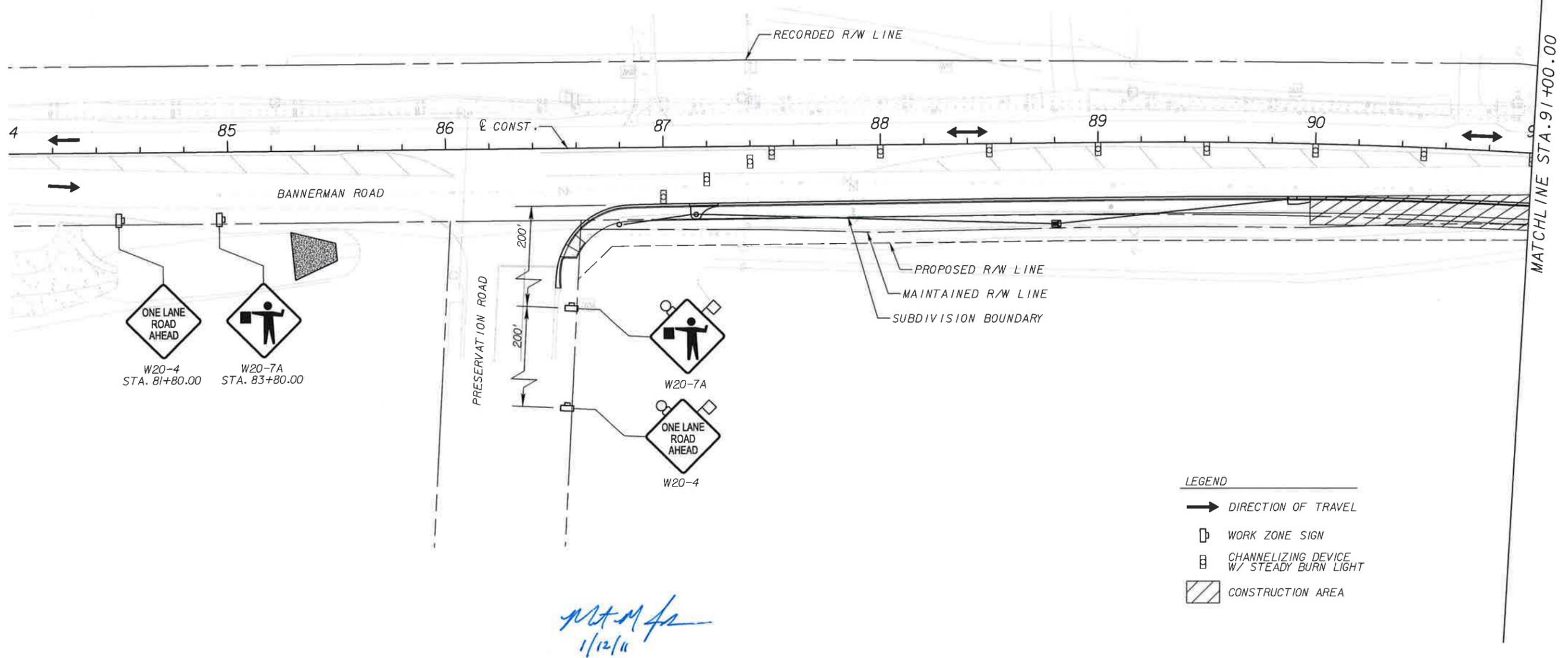
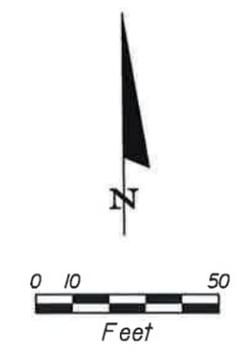
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
 BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS

**TRAFFIC CONTROL PLAN  
 PHASE I - STAGE I**

SHEET NO.  
 44



- LEGEND**
- ➔ DIRECTION OF TRAVEL
  - ☐ WORK ZONE SIGN
  - ☐ CHANNELIZING DEVICE W/ STEADY BURN LIGHT
  - ▨ CONSTRUCTION AREA

*Matthew M. Johnson*  
1/12/11

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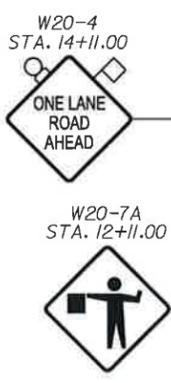
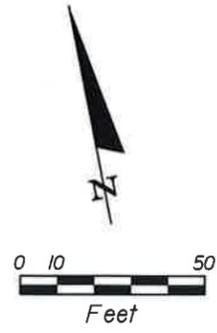
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
 BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS

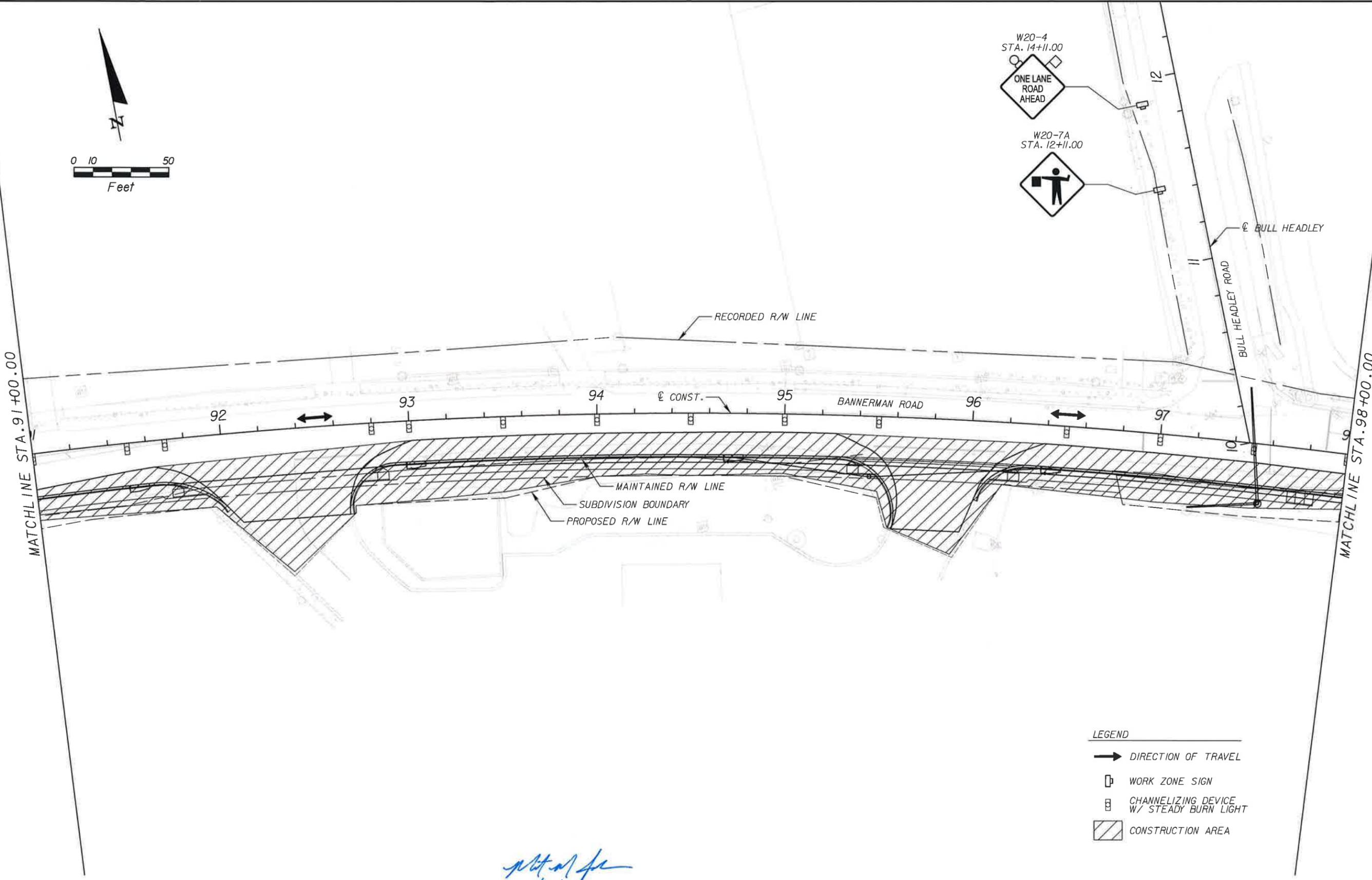
**TRAFFIC CONTROL PLAN**  
**PHASE I - STAGE II**

SHEET NO.  
 45



MATCHLINE STA. 91+00.00

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- LEGEND**
- DIRECTION OF TRAVEL
  - WORK ZONE SIGN
  - CHANNELIZING DEVICE W/ STEADY BURN LIGHT
  - CONSTRUCTION AREA

*Matthew M. Johnson*  
1/12/11

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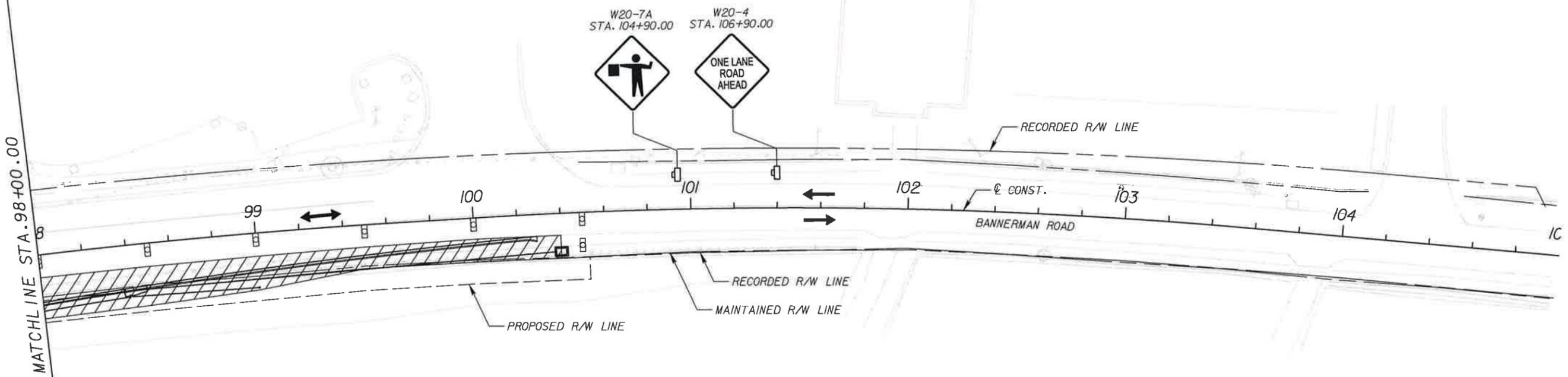
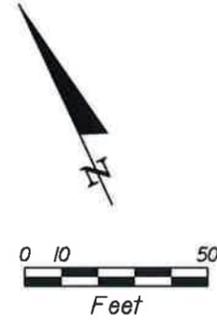
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
 BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS

**TRAFFIC CONTROL PLAN**  
**PHASE I - STAGE II**

SHEET NO.  
**46**



- LEGEND**
- DIRECTION OF TRAVEL
  - WORK ZONE SIGN
  - ▣ CHANNELIZING DEVICE W/ STEADY BURN LIGHT
  - ▨ CONSTRUCTION AREA

*Matthew M. Johnson*  
1/12/11

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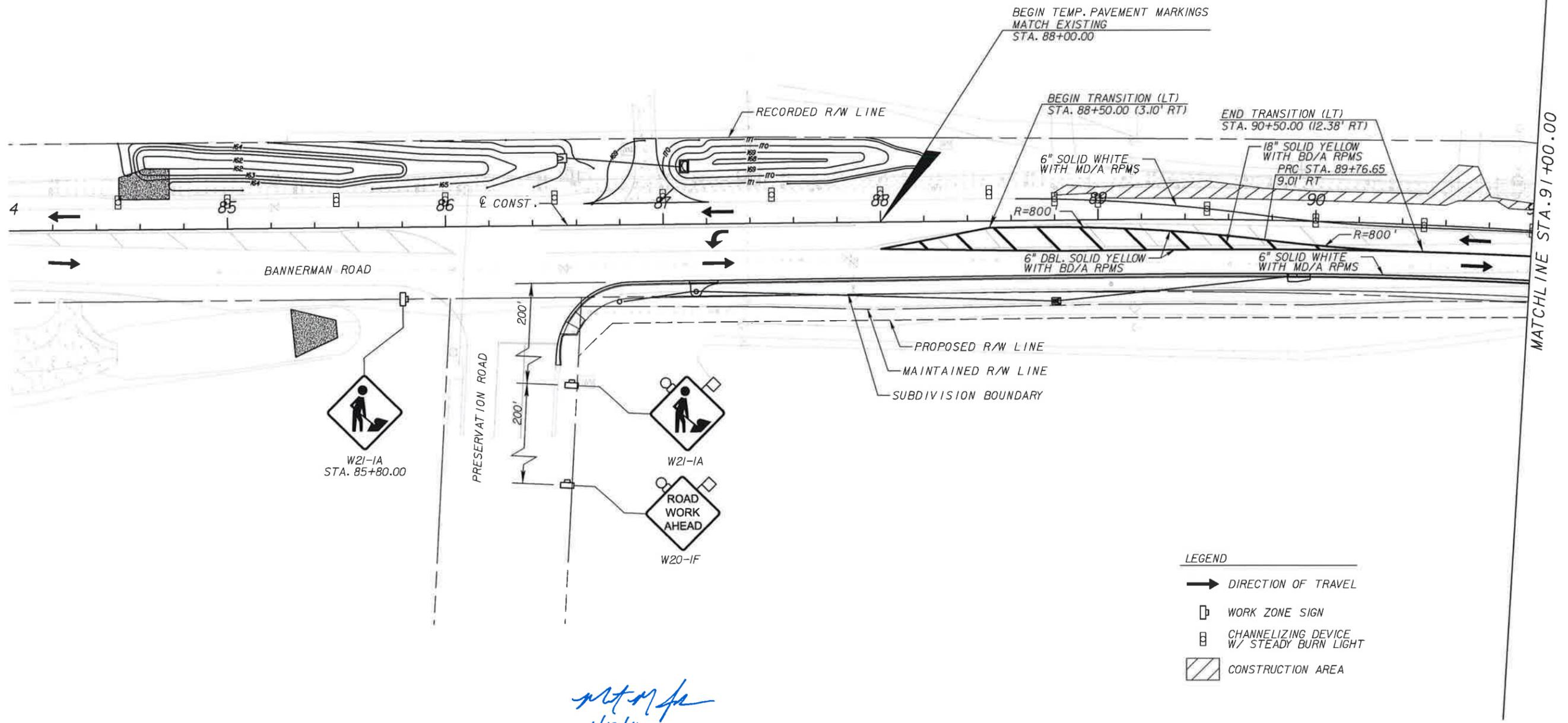
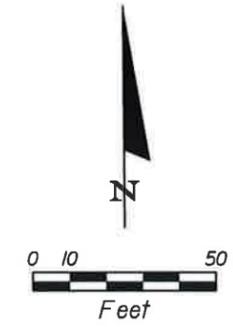
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
 BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS

**TRAFFIC CONTROL PLAN**  
**PHASE I - STAGE II**

SHEET NO.  
 47



- LEGEND**
- ➔ DIRECTION OF TRAVEL
  - ☐ WORK ZONE SIGN
  - ⊞ CHANNELIZING DEVICE W/ STEADY BURN LIGHT
  - ▨ CONSTRUCTION AREA

*mtm*  
1/12/11

REVISIONS					
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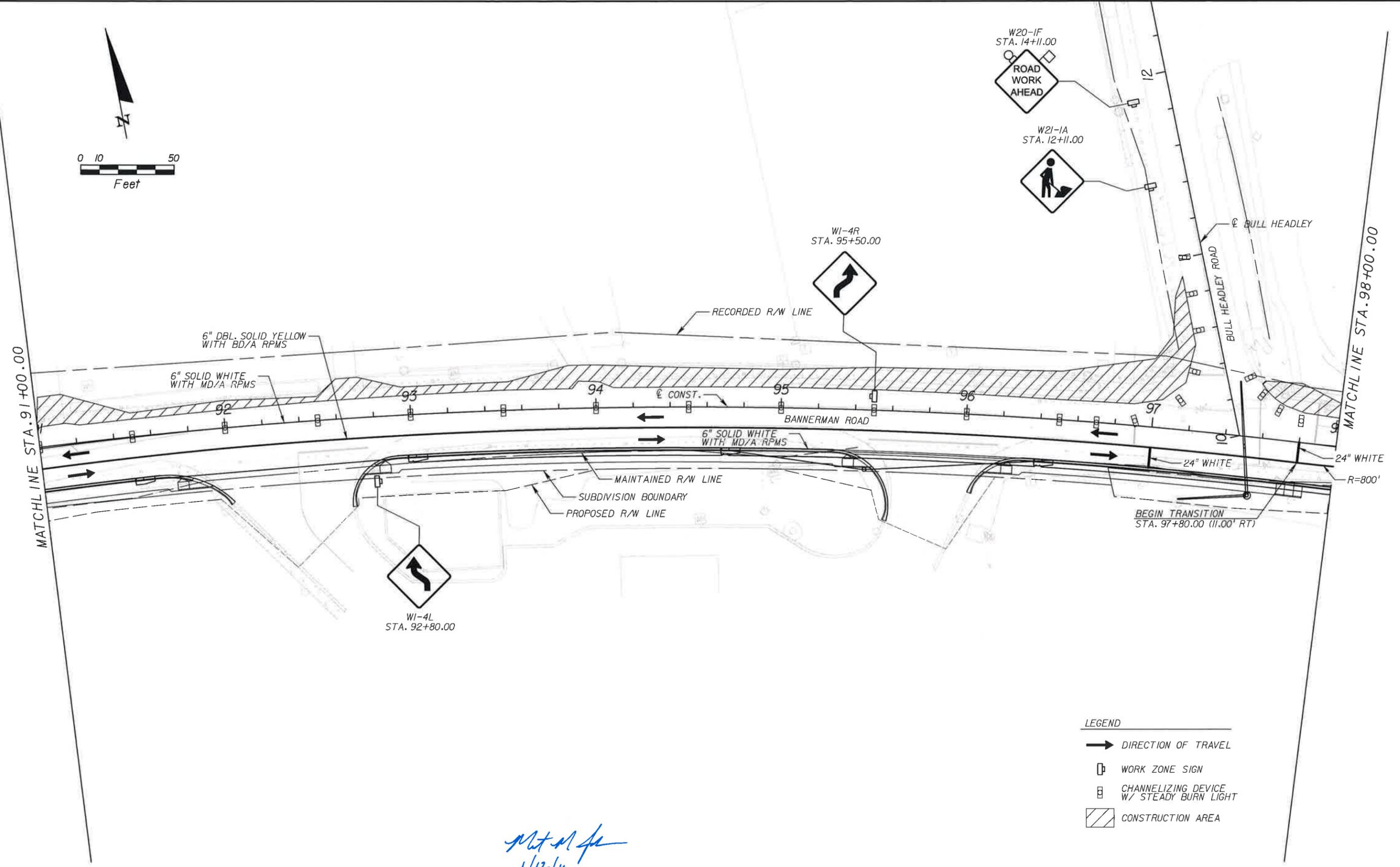
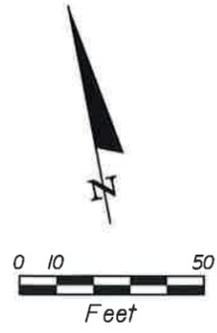
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
 BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS

**TRAFFIC CONTROL PLAN**  
**PHASE II - STAGE I**

SHEET NO.  
**48**



- LEGEND**
- DIRECTION OF TRAVEL
  - WORK ZONE SIGN
  - CHANNELIZING DEVICE W/ STEADY BURN LIGHT
  - CONSTRUCTION AREA

*Matthew Johnson*  
1/12/11

REVISIONS					
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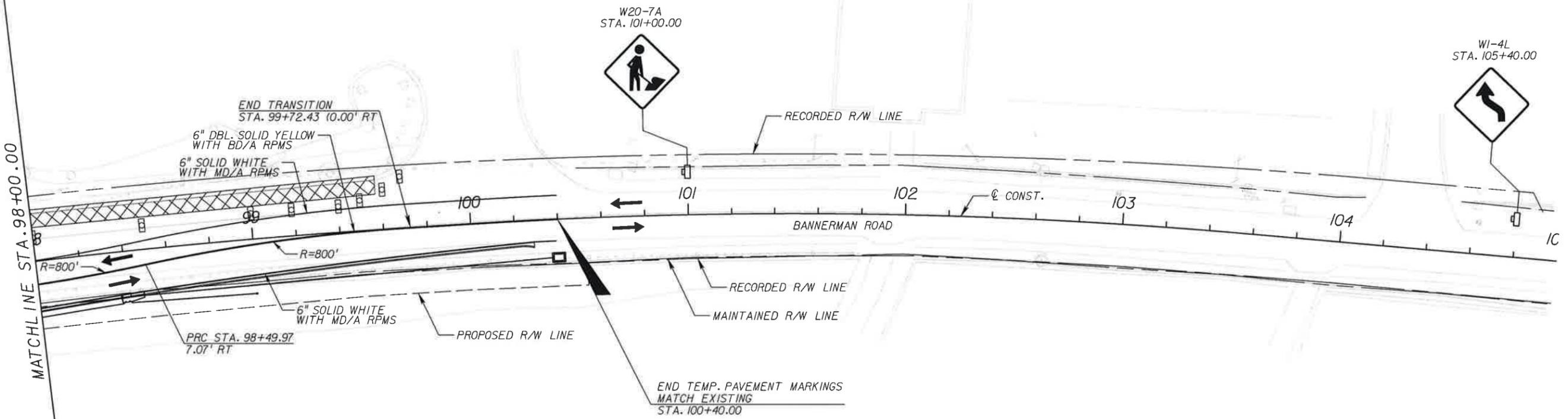
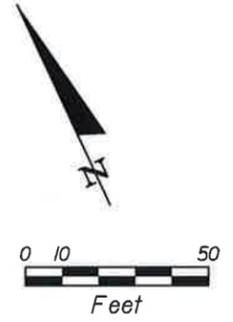
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
 BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS

**TRAFFIC CONTROL PLAN**  
**PHASE II - STAGE I**

SHEET NO.  
**49**



*Matthew Johnson*  
1/12/11

- LEGEND**
- DIRECTION OF TRAVEL
  - WORK ZONE SIGN
  - CHANNELIZING DEVICE W/ STEADY BURN LIGHT
  - CONSTRUCTION AREA
  - LIMITS OF MILLING & RESURFACING

REVISIONS					
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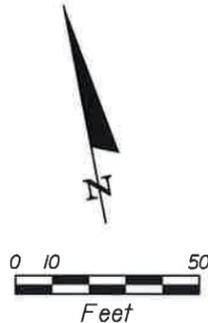
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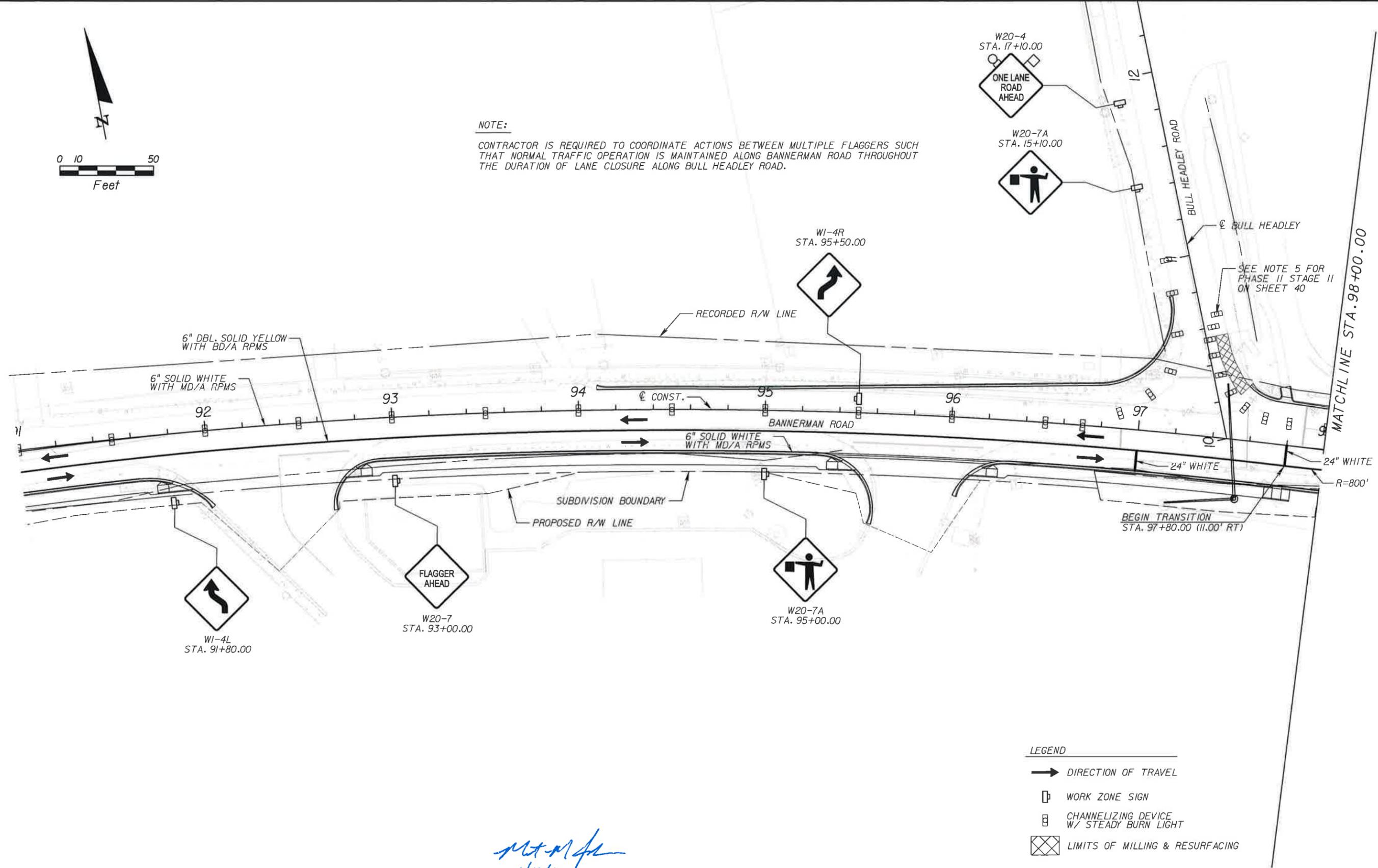
**LEON COUNTY**  
CONSTRUCTION PLANS FOR:  
BANNERMAN & BULL HEADLEY  
INTERSECTION IMPROVEMENTS

**TRAFFIC CONTROL PLAN  
PHASE II - STAGE I**

SHEET NO.  
**50**



**NOTE:**  
 CONTRACTOR IS REQUIRED TO COORDINATE ACTIONS BETWEEN MULTIPLE FLAGGERS SUCH THAT NORMAL TRAFFIC OPERATION IS MAINTAINED ALONG BANNERMAN ROAD THROUGHOUT THE DURATION OF LANE CLOSURE ALONG BULL HEADLEY ROAD.



- LEGEND**
- DIRECTION OF TRAVEL
  - WORK ZONE SIGN
  - ▣ CHANNELIZING DEVICE W/ STEADY BURN LIGHT
  - ▤ LIMITS OF MILLING & RESURFACING

*Matthew M. Johnson*  
 1/12/11

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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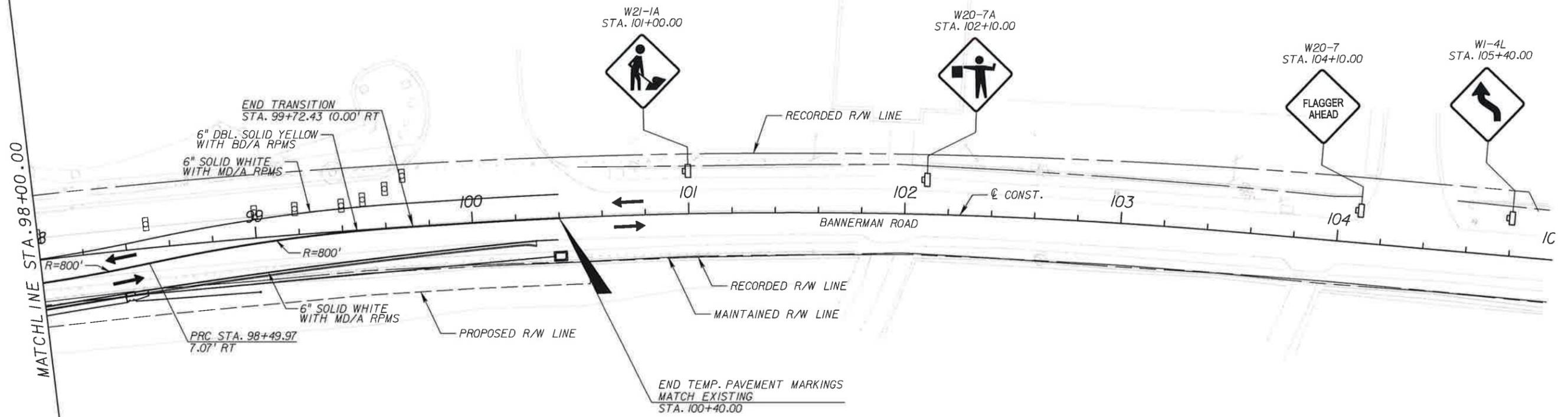
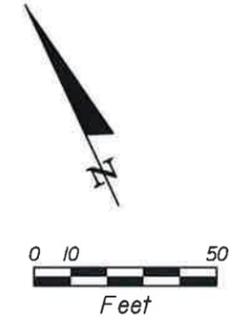
**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
 BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS

**TRAFFIC CONTROL PLAN  
 PHASE II - STAGE II**

SHEET NO.  
 51

**NOTE:**

CONTRACTOR IS REQUIRED TO COORDINATE ACTIONS BETWEEN MULTIPLE FLAGGERS SUCH THAT NORMAL TRAFFIC OPERATION IS MAINTAINED ALONG BANNERMAN ROAD THROUGHOUT THE DURATION OF LANE CLOSURE ALONG BULL HEADLEY ROAD.



- LEGEND**
- ➔ DIRECTION OF TRAVEL
  - ☐ WORK ZONE SIGN
  - ☒ CHANNELIZING DEVICE W/ STEADY BURN LIGHT

*Matthew M. Johnson*  
1/12/11

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record: **MATTHEW M. JOHNSON**  
P.E. # 69754  
2639 N. MONROE ST. BLDG C  
TALLAHASSEE, FL 32303  
(850) 575-1800  
www.pbsj.com  
Certificate of Authorization No. 24

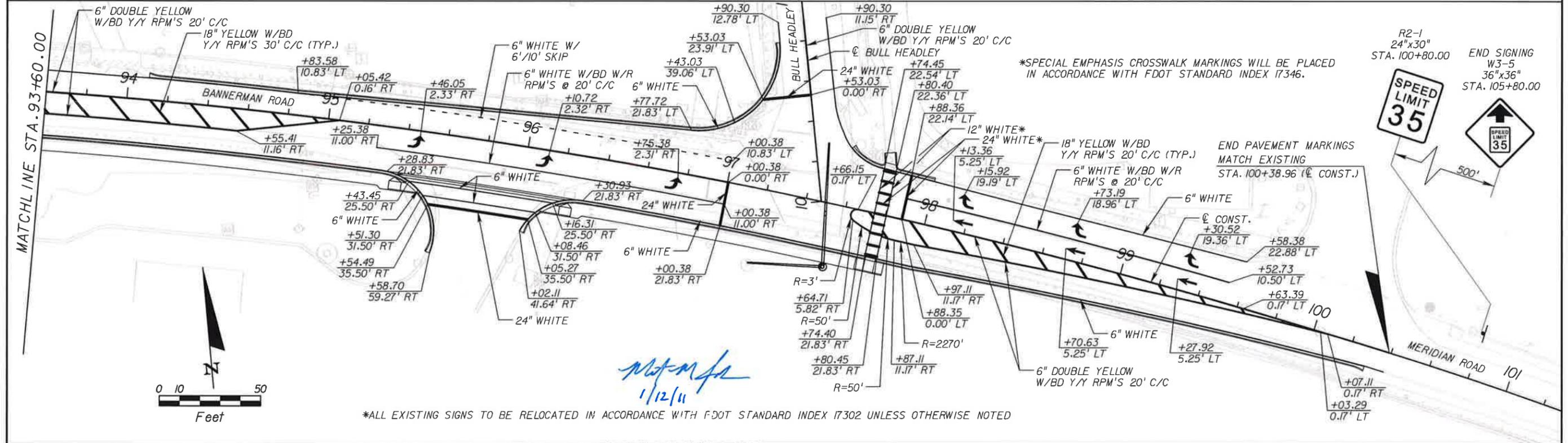
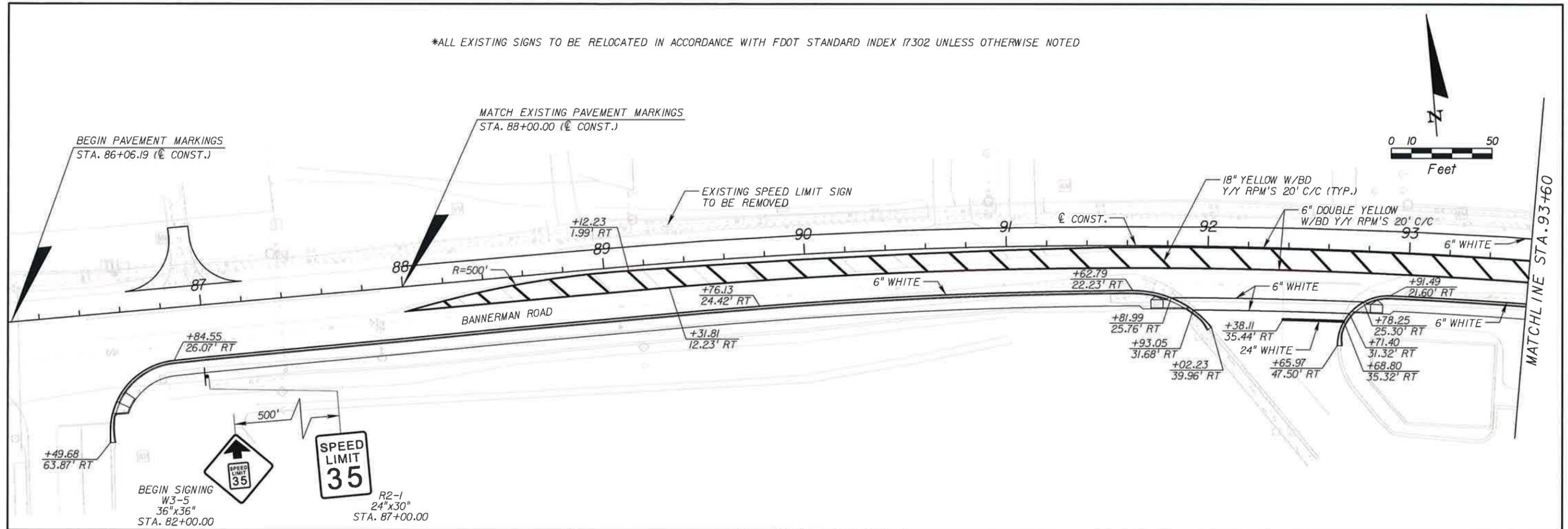


**LEON COUNTY**  
CONSTRUCTION PLANS FOR:  
BANNERMAN & BULL HEADLEY  
INTERSECTION IMPROVEMENTS

**TRAFFIC CONTROL PLAN**  
**PHASE II - STAGE II**

SHEET NO.  
**52**

\*ALL EXISTING SIGNS TO BE RELOCATED IN ACCORDANCE WITH FDOT STANDARD INDEX 17302 UNLESS OTHERWISE NOTED



\*ALL EXISTING SIGNS TO BE RELOCATED IN ACCORDANCE WITH FDOT STANDARD INDEX 17302 UNLESS OTHERWISE NOTED

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

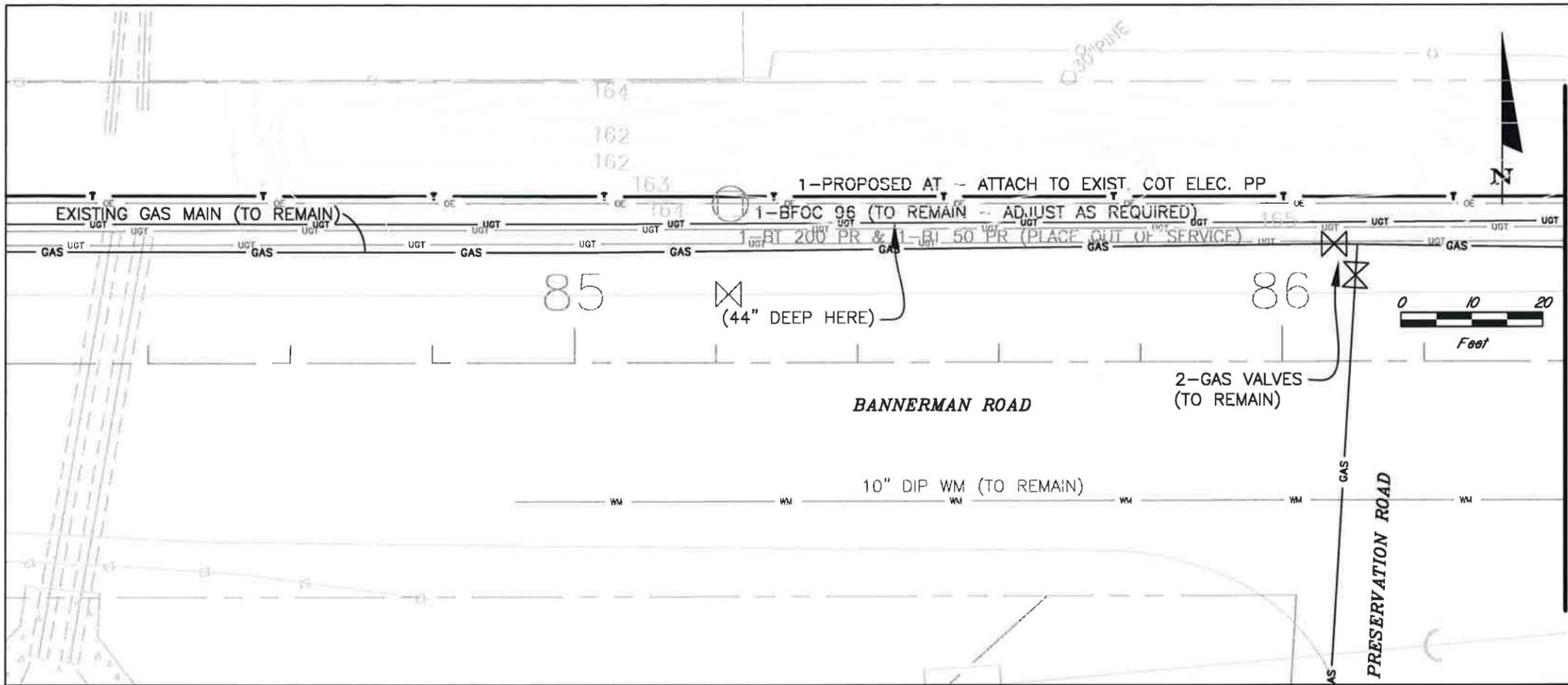
Engineer of Record:  
**PBSJ**  
 Certificate of Authorization No. 24



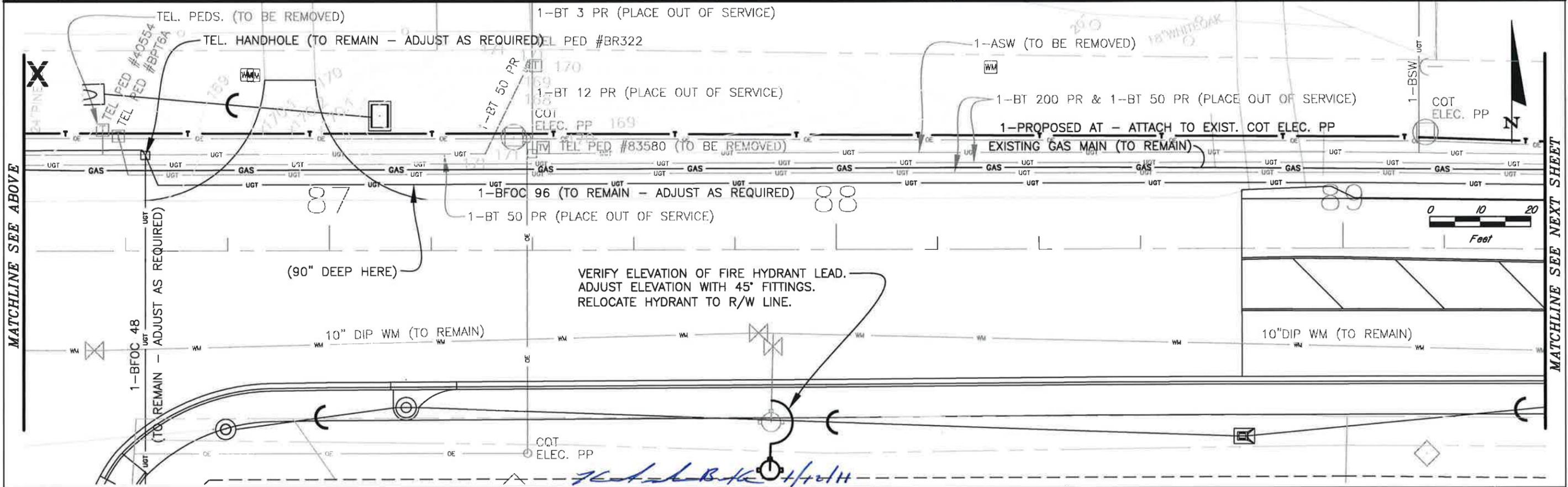
LEON COUNTY  
 CONSTRUCTION PLANS FOR:  
 BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS

**BANNERMAN & BULL HEADLEY  
 SIGNING & PAVEMENT MARKINGS**

SHEET NO.  
 53



- LEGEND (SHEETS 54-58)**
- PROPOSED DRAINAGE PIPES
  - PROPOSED RELOCATED TELEPHONE
  - EXISTING GAS MAIN
  - EXISTING UNDERGROUND TELEPHONE
  - EXISTING WATER MAIN
  - EXISTING UNDERGROUND CABLE
  - EXISTING OVERHEAD ELECTRIC
  - RIGHT OF WAY
  - EXISTING 18" TREES (OR LARGER) W/SIZE AND TYPE
  - ABBREVIATION FOR SWEETGUM TREES
  - ABBREVIATION FOR WATER OAK TREES
  - EXISTING TREE TO BE REMOVED (TYP.)



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record: KATHERINE GONSALVES BURKE  
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 2839 N. MONROE ST. BLDG C  
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
 BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS

**UTILITY  
 PLAN**

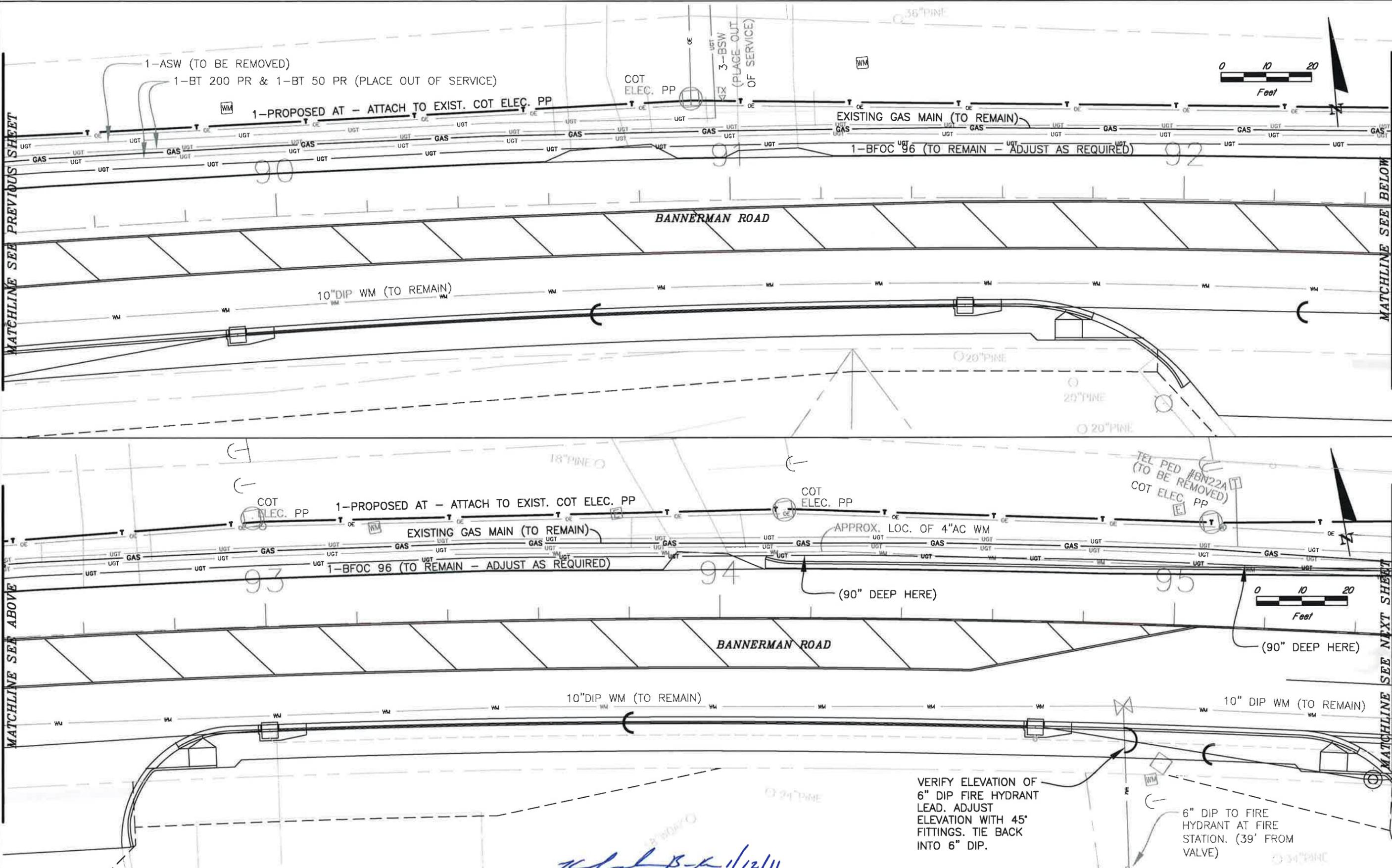
SHEET  
 NO.  
 54

MATCHLINE SEE PREVIOUS SHEET

MATCHLINE SEE BELOW

MATCHLINE SEE ABOVE

MATCHLINE SEE NEXT SHEET



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

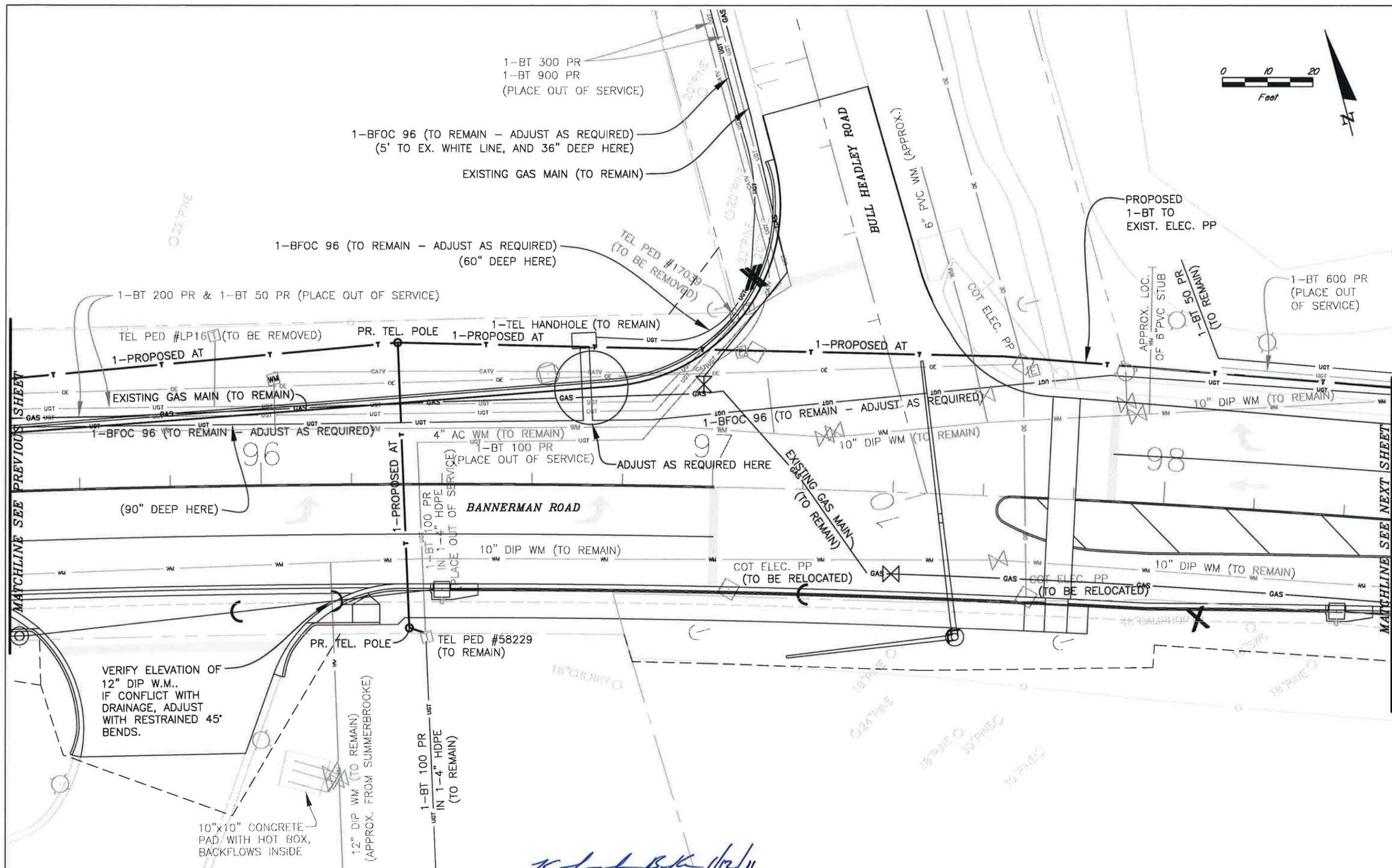
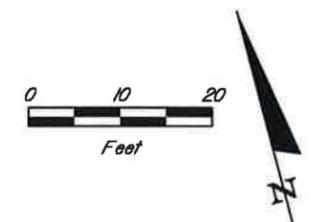
Engineer of Record: KATHERINE GONSALVES BURKE  
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LEON COUNTY  
 CONSTRUCTION PLANS FOR:  
 BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS

UTILITY  
 PLAN

SHEET  
 NO.  
 55



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

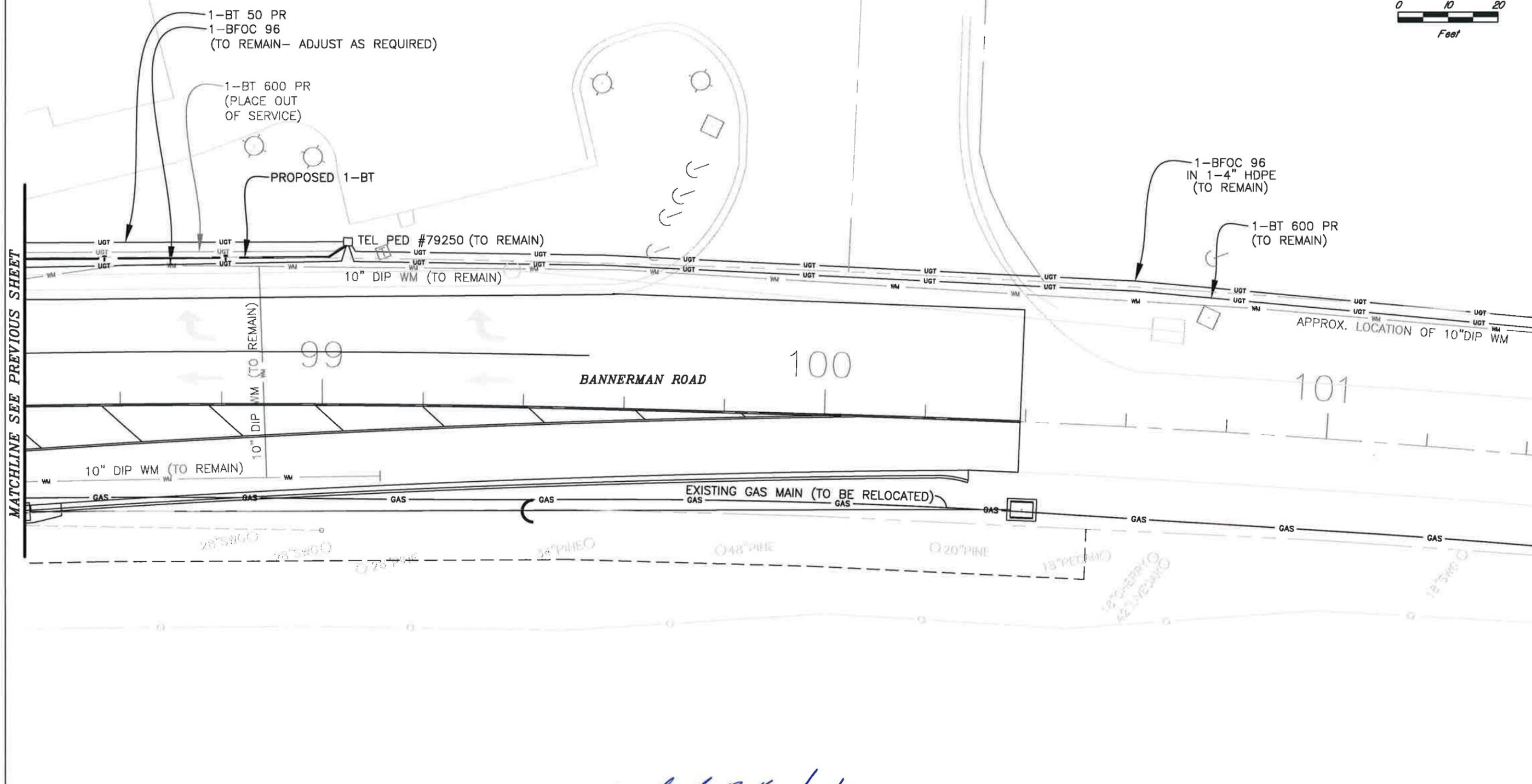
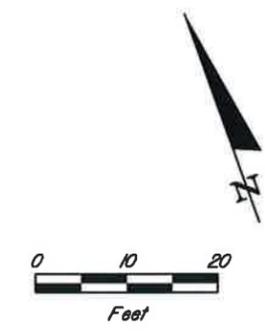
Engineer of Record: **KATHERINE GONSALVES BURKE**  
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY INTERSECTION IMPROVEMENTS**

**UTILITY PLAN**

SHEET NO.  
**56**



MATCHLINE SEE PREVIOUS SHEET

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

*Katherine G. Burke* 1/12/11

Engineer of Record: **KATHERINE GONSALVES BURKE**  
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVEMENTS**

**UTILITY  
PLAN**

SHEET  
 NO.  
**57**

**FIBER OPTIC GENERAL NOTES**

1. Fiber optic cable is critical and must stay in service at all times. Aerial fiber optic cable is located on the electric poles on north side of Bannerman Road. Fiber optic splits at the corner of Bannerman and Bull Headley with one aerial cable going south to the fire station and one cable going to the traffic control cabinet. There is a critical length of the cable going to the control cabinet and as soon as the signal contractor is chosen, Traffic Engineering will coordinate the new cabinet location to insure there is enough additional cable to reach the control cabinet. A note will be added to plan and utility adjustment sheets concerning this cable.

**WATER RELOCATION GENERAL NOTES**

1. Water Main relocation work will be included as part of the contract.

**GAS GENERAL NOTES**

1. The contractor shall be responsible for adjusting all (4) gas valve boxes to finish grade.
2. The City Gas Dept. reserves the right to modify the design for gas main relocation due to field conditions, conflicts or other unforeseen circumstances.
3. The contractor shall be responsible for any damage to gas facilities by said contractor or designees once gas relocation is complete.
4. The contractor shall notify the City Gas Dept. immediately if any gas main is nicked, scratched, cut or otherwise damaged so that repairs can be made promptly.
5. The contractor shall provide a minimum of 48 hours notice to the City Gas Dept. prior to working in close proximity to live gas mains so that a Gas Dept. inspector can be on site.
6. The City Gas Dept. requires 7 days notice prior to request for gas main relocation as noted on plans and 72 hours notice for unforeseen exposure or adjustments.
7. Approximately 2 working days (not including weekends, holidays or rain days) will be required during project construction for completion of planned gas main relocation.
8. It is the contractors responsibility to have all gas mains located prior to digging in vicinity of gas mains and to use due caution when doing so.

**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

*Katherine G. Burke* 12/11  
 Engineer of Record: KATHERINE GONSALVES BURKE  
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
**BANNERMAN & BULL HEADLEY  
 INTERSECTION IMPROVMENTS**

**UTILITY  
GENERAL NOTES**

SHEET NO.

58