FAYETTE County
Create Your Story!

Purchasing Department
140 Stonewall Avenue West, Ste 204
Fayetteville, GA 30214
Phone: 770-305-5420
www.fayettecountyga.gov

October 4, 2022

Subject: ITB #2184-B: Redwine, Bernhard & Peachtree Pkwy Roundabout

Gentlemen/Ladies:

Fayette County, Georgia invites Georgia Department of Transportation (GDOT) prequalified contractors experience with roadway construction and intersection improvements to submit a bid for a roundabout at the intersection of Redwine Road, Bernhard Road & South Peachtree Parkway. You are invited to submit a bid in accordance with the information contained herein.

Please note that the county will be placing emphasis on reviewing GDOT pre-qualifications of prime contractors and subcontracts. It will be important that you verify status of the work classes that are required in the Invitation to Bid.

Questions concerning this invitation to bid should be addressed to Sherry White in writing via email to swhite@fayettecountyga.gov or fax to (770) 719-5544. Questions will be accepted until 12:00p.m., October 19, 2022.

Purchasing Department office hours are Monday through Friday 8:00 a.m. to 5:00 p.m. The office telephone number is (770) 305-5420.

Please return your response to the following address:

Fayette County Purchasing Department
140 Stonewall Avenue West, Suite 204
Fayetteville, Georgia 30214

Bid Number: 2184-B
Bid Name: Redwine, Bernhard & Peachtree Pkwy Roundabout

Your envelope *must* be sealed and should show your company's name and address.

Bids will be received at the above address until 3:00p.m., October 26, 2022, in the Purchasing Department, Suite 204. Bids will be opened at that time.

Bids must be signed to be considered. Late bids cannot be considered. Faxed bids or emailed bids cannot be considered.

If you download this invitation to bid from the county's web site, it will be your responsibility to check the web site for any addenda that might be issued for this solicitation. The county cannot not be responsible for a vendor not receiving information provided in any addendum.

Thank you for participating in the solicitation process.

Sincerely,

Ted L. Burgess
Director of Purchasing

INVITATION TO BID

FOR

REDWINE, BERNHARD, & S PEACHTREE PARKWAY

ROUNDABOUT

FAYETTE COUNTY, GEORGIA

ITB #2184-B

2017 SPLOST PROJECT: 17TAL

100% GEORGIA CONGRESSIONAL DISTRICT 13
100% WITHIN FAYETTE COUNTY

INDEX
ITB #2184-B: REDWINE, BERNHARD, & PEACHTREE PKWY ROUNDABOUT

COVER PAGE	3
INDEX	4
CHECKLIST OF DOCUMENTS TO RETURN	5
INTRODUCTION	6
FAYETTE COUNTY GENERAL TERM AND CONDITIONS	7 to 12
FAYETTE COUNTY PROJECT SPECIFIC TERMS AND CONDITIONS	13 to 15
BIDDER QUALIFICATIONS	16
COMPANY INFORMATION FORM	17
CONTRACTOR AFFIDAVIT UNDER O.C.G.A. § 13-10-91(B)(L)	18
BID PRICE SHEET	19 to 23
EXCEPTIONS TO SPECIFICATIONS FORM	24
GDOT PREQUALIFICATION TABLE	25
CONTRACTOR EXPERIENCE FORM	26 to 27
SPECIAL PROVISION – TRAFFIC CONTROL	28 to 35
PLAN AND PROFILE FOR REDWINE, BERNHARD & S PEACHTREE PARKWAY	36 to 163

CHECKLIST OF DOCUMENTS TO RETURN

(Please return this checklist and the documents below with your submittal in the order as listed)

ITB #2184-B: REDWINE, BERNHARD, & PEACHTREE PKWY ROUNDABOUT

Company Information – on the provided form _____

Contractor Affidavit under O.C.G.A. § 13-10-91(b)(1) _____

Bid Bond* _____

Pricing Sheet* _____

List of Exceptions, if any _____

GDOT Prequalification Table and Documentation _____

Letter certifying three years of existence and no contract default _____

Contractor Experience – on the provided form _____

Signed Addenda, if any are issued _____

***FAILURE TO INCLUDE THIS ITEM WILL RESULT IN DISQUALIFICATION**

COMPANY NAME: _____

INTRODUCTION
ITB #2184-B: REDWINE, BERNHARD, & PEACHTREE PKWY ROUNDABOUT

Fayette County is soliciting Bids from Georgia Department of Transportation (GDOT) prequalified Contractors experienced with roadway construction and intersection improvements. The location of this project is at the existing intersection of Redwine Road, Bernhard Road, and S Peachtree Parkway in south Fayette County, GA.

The existing intersection is an all-way stop-controlled intersection. This project scope entails the construction of a roundabout and includes, but is not limited to, roadway and roundabout construction, surveying, clearing and grubbing, earth work, excavation, erosion and sediment control, demolition of pavement, installation of pavement and multi-use path, traffic control, installation of curb & gutters, drainage improvements, landscaping, temporary and permanent signage, lighting, and pavement markings.

In addition, the Contractor is responsible for performing water line work as shown in the plans. The water infrastructure will be owned and operated by Fayette County Water System. For all other utilities, the Contractor is responsible for coordinating relocations with the utility companies. The Contractor shall also be responsible for obtaining and complying with all applicable permits and regulations (federal, state, and local).

Fayette County has acquired all necessary fee-simple right-of-way and easements for the construction of this project. All work is to be performed within these areas, as shown on the project plans. This project is fully funded through Fayette County's 2017 Special Purpose Local Options Sales Tax (SPLOST).

FAYETTE COUNTY GENERAL TERMS AND CONDITIONS
ITB #2184-B: REDWINE, BERNHARD, & PEACHTREE PKWY ROUNDABOUT

1. **Definitions**: The term "contractor" as used herein and elsewhere in these Terms and Conditions shall be used synonymously with the term "successful bidder." The term "County" shall mean Fayette County, Georgia.

2. **Bid is Offer to Contract**: Each bid constitutes an offer to become legally bound to a contract with the County, incorporating the invitation to bid and the bidder's bid. The binding offer includes compliance with all terms, conditions, special conditions, specifications, and requirements stated in the invitation to bid, except to the extent that a bidder takes written exception to such provisions. All such terms, conditions, special conditions, specifications, and requirements will form the basis of the contract. The bidder should take care to answer all questions and provide all requested information, and to note any exceptions in the bid submission. Failure to observe any of the instructions or conditions in this invitation to bid may result in rejection of the bid.

3. **Binding Offer**: To allow sufficient time for a contract to be awarded, each bid shall constitute a firm offer that is binding for ninety (90) days from the date of the bid opening to the date of award, unless the bidder takes exception to this provision in writing.

4. **Bidder's Questions**: -As appropriate, the County will post answers to questions and/or other information concerning the invitation to bid in the form of an addendum on the County's website at www.fayettecountyga.gov. It is the responsibility of the prospective bidder to check the website for any addenda issued for this invitation to bid.

5. **Bid Submission**: Submit your bid, along with any addenda issued by the County, in a sealed opaque envelope with the following information written on the outside of the envelope:

    a. The bidder's company name,
    b. The bid number, which is #2184-B, and
    c. The bid name, which is Redwine, Bernhard & Peachtree Pkwy Roundabout

    Mail or deliver one (1) original bid, signed in ink by a company official authorized to make a legal and binding offer, and one (1) copy on a flash drive, to:

    Fayette County Government
    Purchasing Department
    140 Stonewall Avenue West, Suite 204
    Fayetteville, GA 30214

    Bid Number: 2184-B
    Bid Name: Redwine, Bernhard & Peachtree Pkwy Roundabout

You may submit bids in person, by U.S. mail, or by a commercial carrier. Do not submit bids by facsimile, e-mail, or other electronic means. Once submitted, all bids become the property of Fayette County.

6. **Bid Preparation Costs**: The bidder shall bear all costs associated with preparing the bid.

7. **Late Bids**: Bids not received by the time and date of the scheduled bid opening will not be considered unless the delay is a result of action or inaction by the County.

8. **More than One Bid**: Do not submit alternate bids or options, unless requested or authorized by the County in the Invitation to Bid. If a responder submits more than one bid without being requested or authorized to do so, the County may disqualify the bids from that responder, at the County's option.

9. **Bid Corrections or Withdrawals**: The bidder may correct a mistake, or withdraw a bid, before the bid opening by sending written notification to the Director of Purchasing. Bids may be withdrawn after the bid opening only with written authorization from the Director of Purchasing.

10. **Defects or Irregularities in Bids**: The County reserves the right to waive any defect or irregularity in any bid received. In case of an error in extension of prices or totals in the bid, the unit prices will govern unless the facts or other consideration indicate another basis for correction of the discrepancy.

11. **Prices Held Firm**: Prices quoted shall be firm for the period of the contract, unless otherwise specified in the bid. All prices for commodities, supplies, equipment, or other products shall be quoted FOB Destination, Fayette County or job site.

12. **Brand Name**: If items in this invitation for bid have been identified, described, or referenced by a brand name or trade name description, such identification is intended to be descriptive, but not restrictive and is to indicate the quality and characteristics of products that may be offered. Alternative products may be considered for award if clearly identified in the bid. Items offered must meet required specifications and must be of a quality which will adequately serve the use and purpose for which intended.

13. **Bidder Substitutions**: Bidders offering substitutions or deviations from specifications stated in the invitation to bid, shall list such substitutions or deviations on the "Exceptions to Specifications" sheet provided, or on a separate sheet to be submitted with the bid. The absence of such list shall indicate that the bidder has taken no exception to the specifications. The evaluation of bids and the determination as to equality and acceptability of products or services offered shall be the responsibility of the County.

14. **Non-Collusion**: By responding to this invitation to bid, the bidder represents that the bid is not made in connection with any competing bidder, supplier, or service provider submitting a separate response to this invitation to bid and is in all respects fair and without collusion or fraud.

15. **Bid Evaluation**: Award will be made to the lowest responsive, responsible bidder, taking into consideration payment terms, vendor qualifications and experience, quality, references, any exceptions listed, and/or other factors deemed relevant in making the award. The County may make such investigation as it deems necessary to determine the ability of the bidder to perform, and the bidder shall furnish to the County all information and data for this purpose as the County may request. The County reserves the right to reject any bid item, any bid, or all bids, and to re-advertise for bids.

16. **Payment Terms and Discounts**: The County's standard payment terms are Net 30. Any deviation from standard payment terms must be specified in the resulting contract, and both parties must agree on such deviation. Cash discounts offered will be a consideration in awarding the bid, but only if they give the County at least 15 days from receipt of invoice to pay. For taking discounts, time will be computed from the date of invoice acceptance by the County, or the date a correct invoice is received, whichever is the later date. Payment is deemed made, for the purpose of earning the discount, on the date of the check.

17. **Trade Secrets – Confidentiality**: If any person or entity submits a bid or proposal that contains trade secrets, an affidavit shall be included with the bid or proposal. The affidavit shall declare the specific included information which constitutes trade secrets. Any trade secrets must be either (1) placed in a separate envelope, clearly identified and marked as such, or (2) at a minimum, marked in the affidavit or an attached document explaining exactly where such information is, and otherwise marked, highlighted, or made plainly visible. See O.C.G.A. § 50-18-72 (A)(34).

18. **Trade Secrets – Internal Use**: In submitting a bid, the bidder agrees that the County may reveal any trade secret materials contained in the bid to all county staff and officials involved in the selection process, and to any outside consultant or other third parties who may assist in the selection process. The bidder agrees to hold harmless the County and each of its officers, employees, and agents from all costs, damages, and expenses incurred in connection with refusing to disclose any material which the bidder has designated as a trade secret.

19. **Ethics – Disclosure of Relationships**: Before a proposed contract in excess of $10,000.00 is recommended for award to the Board of Commissioners or the County Administrator, or before the County renews, extends, or otherwise modifies a contract after it has been awarded, the contractor must disclose certain relationships with any County Commissioner or County Official, or their spouse, mother, father, grandparent, brother, sister, son or daughter related by blood, adoption, or marriage (including in-laws). A relationship that must be reported exists if any of these individuals is a director, officer, partner, or employee, or has a substantial financial interest the business, as described in Fayette County Ordinance Chapter 2, Article IV, Division 3 (Code of Ethics).

    If such relationship exists between your company and any individual mentioned above, relevant information must be presented in the form of a written letter to the Director of

Purchasing. You must include the letter with any bid, proposal, or price quote you submit to the Purchasing Department.

In the event that a contractor fails to comply with this requirement, the County will take action as appropriate to the situation, which may include actions up to and including rejection of the bid or offer, cancellation of the contract in question, or debarment or suspension from award of a county contract for a period of up to three years.

20. **Contract Execution & Notice to Proceed**: After the Board of Commissioners makes an award, all required documents are received by the County, and the contract is fully executed with signature of both parties, the County will issue a written Notice to Proceed. The County shall not be liable for payment of any work done or any costs incurred by any bidder prior to the County issuing the Notice to Proceed.

21. **Unavailability of Funds**: This contract will terminate immediately and absolutely at such time as appropriated and otherwise unobligated funds are no longer available to satisfy the obligations of the County under the contract.

22. **Insurance**: The successful bidder shall procure and maintain the following insurance, to be in effect throughout the term of the contract, in at least the amounts and limits as follows:

    a. **General Liability Insurance**: $1,000,000 combined single limit per occurrence, including bodily and personal injury, destruction of property, and contractual liability.

    b. **Automobile Liability Insurance**: $1,000,000 combined single limit each occurrence, including bodily injury and property damage liability.

    c. **Worker's Compensation & Employer's Liability Insurance**: Workers Compensation as required by Georgia statute.

    Before a contract with the successful bidder is executed, the successful bidder shall provide Certificates of Insurance for all required coverage. The successful offeror can provide the Certificate of Insurance after award of the contract but must be provided prior to execution of the contract document by both parties. The certificate shall list an additional insured as follows:

    Fayette County, Georgia
    140 Stonewall Avenue West
    Fayetteville, GA 30214

23. **Bid Bond**: You must include a bid bond with your bid, equal to five percent (5%) of the total amount bid. Bid bonds shall be provided by a surety which appears on Georgia's list of approved sureties administered by the State Insurance Commissioner, or the U.S. Treasury's list of approved bond sureties (Circular 570). Please use the Standard Industry AIA bond form.

24. **Performance and Payment Bonds**: Prior to execution of a contract, the successful bidder shall submit performance and payment bonds each equal to 100 percent of the contract value, provided by a surety which appears on Georgia's list of approved sureties administered by the State Insurance Commissioner, or the U.S. Treasury's list of approved bond sureties (Circular 570).

25. **Building Permits**: Work performed for the County requiring building permits by licensed contractors will not have permit fees assessed, although any re-inspection fees for disapproved inspections will be the responsibility of the contractor prior to final inspections and the Certificate of Occupancy or Certificate of Completion being issued.

26. **Unauthorized Performance**: The County will not compensate the contractor for work performed unless the work is authorized under the contract, as initially executed, or as amended.

27. **Assignment of Contract**: Assignment of any contract resulting from this invitation to bid will not be authorized, except with express written authorization from the County.

28. **Indemnification**: The contractor shall indemnify and save the County and all its officers, agents, and employees harmless from all suits, actions, or other claims of any character, name and description brought for or on account of any damages, losses, or expenses to the extent caused by or resulting from the negligence, recklessness, or intentionally wrongful conduct of the contractor or other persons employed or utilized by the contractor in the performance of the contract. The contractor shall pay any judgment with cost which may be obtained against the County growing out of such damages, losses, or expenses.

29. **Severability**: The invalidity of one or more of the phrases, sentences, clauses, or sections contained in the contract shall not affect the validity of the remaining portion of the contract. If any provision of the contract is held to be unenforceable, then both parties shall be relieved of all obligations arising under such provision to the extent that the provision is unenforceable. In such case, the contract shall be deemed amended to the extent necessary to make it enforceable while preserving its intent.

30. **Delivery Failures**: If the contractor fails to deliver contracted goods or services within the time specified in the contract or fails to replace rejected items in a timely manner, the County shall have authority to make open-market purchases of comparable goods or services. The County shall have the right to invoice the contractor for any excess expenses incurred or deduct such amount from monies owed the contractor. Such purchases shall be deducted from contracted quantities.

31. **Substitution of Contracted Items**: The contractor shall be obligated to deliver products awarded in this contract in accordance with terms and conditions specified herein. If a contractor is unable to deliver the products under the contract, it shall be the contractor's responsibility to obtain prior approval of the ordering agency to deliver an acceptable substitute at the same price quoted in the contractor's original bid. In the event any contractor consistently needs to substitute or refuses to substitute products,

the County reserves the right to terminate the contract or invoke the "Delivery Failures" clause stated herein.

32. **Inspection and Acceptance of Deliveries**: The County reserves the right to inspect all goods and products delivered. The County will decide whether to accept or reject items delivered. The inspection shall be conclusive except with respect to latent defects, fraud, or such gross mistakes as shall amount to fraud. Final inspection resulting in acceptance or rejection of the products will be made as soon as practicable, but failure to inspect shall not be construed as a waiver by the County to claim reimbursement or damages for such products which are later found to be in non-conformance with specifications. Should public necessity demand it, the County reserves the right to use or consume articles delivered which are substandard in quality, subject to an adjustment in price to be determined by the Purchasing Director.

33. **Termination for Cause**: The County may terminate the contract for cause by sending written notice to the contractor of the contractor's default in the performance of any term of this agreement. As appropriate, the County will compensate the contractor for completed performance, and for any partially completed performance as determined by the County to be adequately performed. Termination shall be without prejudice to any of the County's rights or remedies by law.

34. **Termination for Convenience**: The County may terminate the contract for its convenience at any time with 10 days' written notice to the contractor. In the event of termination for convenience, the County will pay the contractor for services performed. The County will compensate partially completed performance based upon a signed statement of completion submitted by the contractor, which shall itemize each element of performance completed.

35. **Force Majeure**: Neither party shall be deemed to be in breach of the contract to the extent that performance of its obligations is delayed, restricted, or prevented by reason of any act of God, natural disaster, act of government, or any other act or condition beyond the reasonable control of the party in question.

36. **Governing Law**: This agreement shall be governed in accordance with the laws of the State of Georgia. The parties agree to submit to the jurisdiction in Georgia, and further agree that any cause of action arising under this agreement shall be required to be brought in the appropriate venue in Fayette County, Georgia.

37. **Preconstruction Conference:** In the event that Fayette County holds a preconstruction conference for this project, the Contractor and subcontractors shall attend.

FAYETTE COUNTY PROJECT SPECIFIC TERMS AND CONDITIONS
ITB #2184-B: REDWINE, BERNHARD, & PEACHTREE PKWY ROUNDABOUT

A. **Reference and Incorporation of GDOT Specifications** - Unless noted otherwise in this Invitation to Bid (ITB), the Georgia Department of Transportation's Standard Specifications Construction of Transportation Systems, most recent edition, are incorporated by reference into the Project Manual and contract documents. All work shall be performed in accordance with the GDOT specifications, and all pay items shall be measured and evaluated in accordance with the specifications. They shall supersede all other specifications unless more stringent requirements are listed.

It is the responsibility of the Contractor to be familiar with these specifications before bidding and to adhere to them during construction. Fayette County is owner of the project and shall serve as the administrator of the Contract in lieu of "The Department.". Copies of the documents can be obtained from the GDOT website.

B. **Schedule** – The project shall commence within ten (10) calendar days of the Contractor receiving the Notice to Proceed (NTP) and shall be substantially complete within 250 calendar days of the Contractor receiving the NTP from Fayette County. The project shall reach final completion within **280 Calendar Days** of the Contractor receiving the NTP from Fayette County. Contract time is measured on a Calendar Day basis and includes County Holidays and weekends.

C. County Holidays – The Contractor shall not work on a County Holiday unless written approval is provided by Fayette County at least three days prior to the Holiday. The County Holiday Schedule is available on the County's website: https://fayettecountyga.gov/information/county_holidays.htm

D. **Work Hours** – Unless pre-approved otherwise by Fayette County, all work shall be performed Monday thru Saturday and between the hours of 7:00 AM and 7:00 PM. Work on Sunday's may be approved with prior written approval from the County.

E. **Prequalification of Bidders** – The Prime Contractor and/or subcontractors to the Prime, shall be prequalified with the Georgia Department of Transportation (GDOT) in the following work area classes:

Class	Description
150	Traffic Control
310	Graded Aggregate Construction
400	Hot Mix Asphaltic Concrete Construction
441	Miscellaneous Concrete
550	Storm Drain Pipe, Pipe-Arch Culverts, and Side Drain Pipe
653	Thermoplastic Traffic Stripe

In addition to the prequalification requirements, the Prime Contractor shall self-perform at least 30 percent of the contract, as determined by invoice amounts and be GDOT prequalified or registered in Work Class 310 and 400.

The bid package shall include a list of all companies comprising the project team (Prime and Subcontractors) and documentation demonstrating the above items are satisfied. Failure to provide the documentation may result in the bid being disqualified.

F. **Contractor Staging** – No staging area is provided by Fayette County for the project beyond the acquired right of way and easements for the project. Contractor staging shall not interfere with traffic on County roads.

G. **Toilet Facilities** - Provide toilet facilities that meet local sanitary codes. Provide consumable and non-consumable goods (toilet paper, paper towels, hand soap) for the life of the project.

H. **Contractor Supervision and Work Coordination –** The Contractor shall supervise and direct the work. He/she shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction, including traffic control. The Contractor shall employ and maintain onsite a qualified supervisor or superintendent who will be designated in writing by the Contractor as the Contractor's site representative. The supervisor shall have full authority to act on behalf of the Contractor and all communications given to the supervisor shall be as binding as if given to the Contractor. The supervisor shall always be present on the site as required to perform adequate supervision and coordination of the work.

I. **Workmanship Guarantee** – The Contractor shall warranty and guarantee all materials supplied, equipment furnished, and work performed to be free from defects (resulting from faulty materials supplied or workmanship) for a period of eighteen (18) months from the date of Substantial Completion.

The Owner shall give notice of observed defects with reasonable promptness and the Contractor shall have 45 calendar days to address the issue(s). If the Contractor fails to make such repairs, adjustments, or other work that may be made necessary by such defects, the Owner may do so and charge the Contractor the cost thereby incurred. If different guarantees or warranties are required in the technical specifications for specific items, then the more stringent (i.e., longer) apply.

J. **Special Allowance** – Due to the nature of the project and the potential for unforeseen conditions, it is anticipated that some additional work or modification to the scope may be required. A **$96,000.00** allowance is to be included in the Base Bid, to be used to cover Claims (Section 105.13) or Extra Work (Section 109.05). The procedures for submitting such requests are documented in the referenced Sections. If approved, the amount of the Claim or Extra Work will be deducted from the Allowance. Requests

greater than the amount available in the Allowance category will require approval from the Fayette County Board of Commissioners. Any allowance remaining unused at the end of the project will be deducted from the Contract amount by a Supplemental Agreement.

K. **Section 102 Bidding Requirements and Conditions** – This section of the GDOT Specifications is removed in its entirety from this ITB.

L. **Section 103 Award and Execution of Contract** – This section of the GDOT Specifications is removed in its entirety from this ITB.

M. **Section 105.09 Authority and Duties of the Resident Engineer** – The Resident Engineer shall be designated by Fayette County.

N. **Section 105.10 Duties of the Inspector** – Inspectors may be employed by Fayette County or Fayette County's designated Engineer.

O. **Section 106.11 Field Laboratory** – A field laboratory is not required.

P. **Section 107.02 Permits and Licenses** – The Contractor shall procure all permits and licenses, pay all charges, taxes, and fees, and give all notices necessary and incidental to the due and lawful prosecution of the work unless otherwise stated in the Contract Documents.

Q. **Section 150 Traffic Control** – See Special Provision.

R. **Section 682 Electrical Wire, Cable, and Conduit** – Street light conduit material will be provided by Coweta-Fayette EMC. The contractor shall coordinate and install the 2-inch conduit underground, beneath the roadway, as shown on the lighting plans provided and in accordance with Coweta-Fayette EMC and GDOT specifications. The more stringent shall apply.

BIDDER QUALIFICATIONS
ITB #2184-B: REDWINE, BERNHARD, & PEACHTREE PKWY ROUNDABOUT

In addition to other requirements specified within the Bid Package, bidders shall meet the following minimum qualifications in order to be considered responsive and responsible. The bidder shall provide sufficient documentation to demonstrate these qualifications are satisfied. Minimum submittal requirements are indicated in italics.

1. Company contact information. Provide a completed "*Company Information Form*".

2. Identify the project team. The Prime Contractor and/or Subcontractors shall be GDOT prequalified in GDOT work class areas as defined elsewhere in these Fayette County Terms & Conditions. Provide a completed "*GDOT Prequalification Contractors and Registered Subcontractors Table*".

3. The Prime Contractor shall have been in business under the present company name for a minimum of three (3) years and shall not have been declared in default on any construction contract within that time. *Provide a letter on company letterhead and signed by the President/CEO certifying this information*.

4. The Contractor and/or the designated Subcontractors shall have, within the past five years, successfully completed at least three transportation projects that include roundabout construction with signing and pavement markings, or similar roadwork. Provide a completed "Contractor Experience Form" demonstrating the requested experience.

COMPNAY INFORMATION
ITB #2184-B: REDWINE, BERNHARD, & PEACHTREE PKWY ROUNDABOUT

A. COMPANY

Company Name: _____

Physical Address: _____

_____

Mailing Address (if different):_____

_____

Website (if applicable): _____

B. AUTHORIZED REPRESENTATIVE

Signature: _____

Printed or Typed Name: _____

Title: _____

E-mail Address: _____

Phone Number: _____ Fax Number: _____

C. PROJECT CONTACT PERSON

Name: _____

Title: _____

E-mail Address: _____

Phone Number: _____ Fax Number: _____

Contractor Affidavit under O.C.G.A. § 13-10-91(b)(l)

The undersigned contractor ("Contractor") executes this Affidavit to comply with O.C.G.A § 13-10-91 related to any contract to which Contractor is a party that is subject to O.C.G.A. § 13-10-91 and hereby verifies its compliance with O.C.G.A. § 13-10-91, attesting as follows:

a) The Contractor has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program;

b) The Contractor will continue to use the federal work authorization program throughout the contract period, including any renewal or extension thereof;

c) The Contractor will notify the public employer in the event the Contractor ceases to utilize the federal work authorization program during the contract period, including renewals or extensions thereof;

d) The Contractor understands that ceasing to utilize the federal work authorization program constitutes a material breach of Contract;

e) The Contractor will contract for the performance of services in satisfaction of such contract only with subcontractors who present an affidavit to the Contractor with the information required by O.C.G.A. § 13-10-91(a), (b), and (c);

f) The Contractor acknowledges and agrees that this Affidavit shall be incorporated into any contract(s) subject to the provisions of O.C.G.A. § 13-10- 91 for the project listed below to which Contractor is a party after the date hereof without further action or consent by Contractor; and

g) Contractor acknowledges its responsibility to submit copies of any affidavits, drivers' licenses, and identification cards required pursuant to O.C.G.A. § 13-10-91 to the public employer within five business days of receipt.

_____ _____
Federal Work Authorization User Identification Number Date of Authorization

_____ 2184-B Redwine, Bernhard &Peachtree Pkwy Roundabout
Name of Contractor Name of Project

Fayette County, Georgia_____
Name of Public Employer

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on _____, _____, 20_____ in _____ (city), _____ (state).

_____
Signature of Authorized Officer or Agent

_____
Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME
ON THIS THE _____ DAY OF _____, 20_____.

_____
NOTARY PUBLIC
My Commission Expires: _____

Bidder:_____

Fayette County ITB# 2184-B	Bid Price Sheet Bernhard Road, Redwine Road, & Peachtree Parkway Roundabout				Fayette County Project Number 17TAL
PAY ITEM NO.	**ITEM DESCRIPTION**	**UNIT**	**ESTIMATED QUANTITY**	**UNIT PRICE**	**TOTAL PRICE**
	TRAFFIC CONTROL				
150-1000	TRAFFIC CONTROL	LS	1.00		
			TRAFFIC CONTROL SUBTOTAL		
	GRADING COMPLETE				
210-0100	GRADING COMPLETE	LS	1.00		
			GRADING COMPLETE SUBTOTAL		
	RIGHT OF WAY MARKERS				
634-1200	RIGHT OF WAY MARKERS	EA	25.00		
			RIGHT OF WAY MARKERS SUBTOTAL		
	REMOVE & RESET FENCE				
610-0300	REMOVE FENCE	LF	550.00		
611-4890	RESET FENCE	LF	550.00		
			REMOVE FENCE SUBTOTAL		
	MODULAR BLOCK WALL				
	CONTRACTOR DESIGNED MODULAR BLOCK WALL	LF	307.00		
			MODULAR BLOCK WALL SUBTOTAL		
	WATER QUALITY INSPECTIONS				
167-1000	WATER QUALITY MONITORING AND SAMPLING	EA	4.00		
167-1500	WATER QUALITY INSPECTIONS	MO	12.00		
			MODULAR BLOCK WALL SUBTOTAL		

	ROADWAY				
310-5040	GR AGGR BASE CRS, 4 INCH, INCL MATL	SY	3,107.00		
310-5100	GR AGGR BASE CRS, 10 INCH, INCL MATL	SY	6,600.00		
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	TN	354.00		
402-3100	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE 1, GP 1 OR BLEND, INCL BITUM MATL & H LIME	TN	342.00		
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	856.00		
402-3130	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	TN	713.00		
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2,INCL BITUM MATL & H LIME	TN	429.00		
413-1000	TACK COAT	GL	1,090.00		
430-0200	PLAIN PC CONC PVMT, CL 1 CONC, 10 INCH THK - TRUCK APRON	SY	728.00		
441-0754	CONCRETE MEDIAN, 7 1/2 IN	SY	1,029.00		
441-5008	CONCRETE HEADER CURB, 6 IN, TP 7	LF	684.00		
441-5025	CONCRETE HEADER CURB, 4 IN, TP 9	LF	302.00		
441-6222	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	LF	2,245.00		
441-6743	CONC CURB & GUTTER, 8 IN X 30 IN, TP 9	LF	533.00		
446-1100	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	LF	198.00		
500-9999	CLASS B CONC, BASE OR PVMT WIDENING	CY	117.00		
				ROADWAY SUBTOTAL	
	EROSION CONTOL				
163-0232	TEMPORARY GRASSING	AC	1.00		
163-0240	MULCH	TN	50.00		
163-0301	CONSTRUCT AND REMOVE CONSTRUCTION EXITS	EA	4.00		
163-0503	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	EA	3.00		
163-0527	CONSTRUCT AND REMOVE RIP RAP CHECK DAMS, STONE PLAIN RIP RAP/SAND BAGS	EA	7.00		
163-0529	CONSTRUCT AND REMOVE TEMPORARY SEDIMENT BARRIER OR BALED STRAW CHECK DAM	LF	65.00		
163-0550	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	EA	27.00		
165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	LF	2,000.00		
165-0041	MAINTENANCE OF CHECK DAMS - ALL TYPES	LF	35.00		
165-0071	MAINTENANCE OF SEDIMENT BARRIER - BALED STRAW	LF	65.00		
165-0087	MAINTENANCE OF SILT CONTROL GATE, TP 3	EA	3.00		
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	EA	4.00		

165-0105	MAINTENANCE OF INLET SEDIMENT TRAP	EA	27.00		
171-0030	TEMPORARY SILT FENCE, TYPE C	LF	3,999.00		
603-2180	STN DUMPED RIP RAP, TP 3, 12 IN	SY	45.00		
603-7000	PLASTIC FILTER FABRIC	SY	45.00		
700-6910	PERMANENT GRASSING	AC	2.00		
700-7000	AGRICULTURAL LIME	TN	4.00		
700-7010	LIQUID LIME	GAL	5.00		
700-8000	FERTILIZER MIXED GRADE	TN	1.00		
700-8100	FERTILIZER NITROGEN CONTENT	LB	100.00		
700-9300	SOD	SY	2,280.00		
			EROSION CONTROL SUBTOTAL		
	SIGNING AND PAVEMENT MARKING				
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	SF	60.00		
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	174.25		
636-1041	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	SF	20.50		
636-2070	GALV STEEL POSTS, TP 7	LF	424.00		
636-2080	GALV STEEL POSTS, TP 8	LF	98.00		
652-5805	SOLID TRAFFIC STRIPE, 12 IN, WHITE	LF	61.00		
652-5452	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	LF	90.00		
652-6502	SKIP TRAFFIC STRIPE, 5 IN, YELLOW	GLF	2,346.00		
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LF	4,426.00		
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LF	3,224.00		
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	15.00		
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	584.00		
653-4830	THERMOPLASTIC SKIP TRAF STRIPE, 18 IN, WHITE	GLF	142.00		
653-6004	THERMOPLASTIC TRAF STRIPING, WHITE	SY	266.00		
653-6006	THERMOPLASTIC TRAF STRIPING, YELLOW	SY	233.00		
654-1001	RAISED PVMT MARKERS TP 1	EA	132.00		
			SIGNING AND PAVEMENT MARKING SUBTOTAL		
	DRAINAGE				

441-0303	CONC SPILLWAY, TP 3	EA	2.00		
441-0600	CONC HEADWALLS	CY	1.00		
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	1,360.00		
550-2180	SIDE DRAIN PIPE, 18 IN, H 1-10	LF	181.00		
550-4218	FLARED END SECTION 18 IN, STORM DRAIN	EA	2.00		
611-4003	RECONST MISC DRAINAGE STRUCTURE	EA	3.00		
668-1100	CATCH BASIN, GP 1	EA	20.00		
668-1110	CATCH BASIN, GP 1, ADDL DEPTH	LF	2.00		
668-2100	DROP INLET, GP 1	EA	4.00		
668-4300	STORM SEWER MANHOLE, TP 1	EA	3.00		
668-4311	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 1	LF	4.00		
				DRAINAGE SUBTOTAL	
	WATER LINE				
610-2380	REMOVE WATER MAIN, 12 IN	LF	50.00		
670-1120	WATER MAIN, 12 IN	LF	2,190.00		
670-1600	CUT & PLUG EXISTING WATER MAIN	EA	3.00		
670-2002	VALVE MARKER	EA	14.00		
670-2120	GATE VALVE, 12 IN	EA	14.00		
670-4000	FIRE HYDRANT	EA	4.00		
670-9265	STEEL CASING, 20 IN	LF	140.00		
-	CONCRETE THRUST BLOCK	CY	15.00		
-	CONNECT TO EX. 12" WATER LINE	EA	3.00		
				WATER LINE SUBTOTAL	
	LANDSCAPING				
700-9300	SOD	SY	143.00		
702-0212	CRATAEGUS VIRIDIS - WINTER KING	EA	3.00		
702-0470	ILEX VOMITORIA NANA -	EA	120.00		
702-9005	SPRING APPLICATION FERTILIZER	LB	50.00		
702-9025	LANDSCAPE MULCH, BLACK HARDWOOD	SY	162.00		
				LANDSCAPING SUBTOTAL	

	LIGHTING				
682-6120	CONDUIT, RIGID, 2 IN, INSTALL ONLY (MATERIAL PROVIDED BY OTHERS)	LF	165.00		
				LIGHTING SUBTOTAL	
	ALLOWANCE				
	ALLOWANCE	LS	1.00	$ 96,000.00	$ 96,000.00
				ALLOWANCE SUBTOTAL	**$ 96,000.00**
				TOTAL BID PRICE BERNHARD, REDWINE, & PEACHTREE PKWY ROUNDABOUT	**$**

EXCEPTIONS TO SPECIFICATIONS
ITB #2184-B: REDWINE, BERNHARD, & PEACHTREE PKWY ROUNDABOUT

Please list below any exceptions or clarifications to the specifications of this bid. Explain any exceptions in full.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

COMPANY NAME**:** _____

GEORGIA DEPARTMENT OF TRANSPORTATION (GDOT)

CONTRACTORS AND SUBCONTRACTORS
PREQUALIFICATION TABLE

ITB #2184-B: REDWINE, BERNHARD, & PEACHTREE PKWY ROUNDABOUT

WORK CLASS	DESCRIPTION	GDOT VENDOR NAME	GDOT VENDOR ID
150	Traffic Control		
310	Graded Aggregate Construction		
400	Hot Mix Asphaltic Concrete Construction		
441	Miscellaneous Concrete		
550	Storm Drain Pipe, Pipe-Arch Culverts, & Side Drain Pipe		
653	Thermoplastic Traffic Stripe		

The Prime Contractor shall be Prequalified, at a minimum, in Work Class 310 and 400 and self-perform at least 30 percent of the contract, as determined by invoice amounts.

Subcontractors may be used to satisfy the other Work Classes. List below the subcontractors, as known at the time of bid, and their work class qualification or registration.

NAME OF SUBCONTRACTOR	WORK CLASS

Prior to issuing the Notice to Proceed, the Prime Contractor shall provide to Fayette County, for review and approval, the subcontractors to be used on the project. Include documentation of their status as a prequalified contractor or registered subcontractor for each of the required work area classes that are not satisfied by the Prime. GDOT Form DOT 485 shall be used to request subcontractor approval prior to the NTP and to request a change to a subcontractor over the course of the project, if needed.

CONTRACTOR EXPERIENCE
ITB #2184-B: REDWINE, BERNHARD, & PEACHTREE PKWY ROUNDABOUT

PROJECT 1

Project Name	
Project Location	
Owner Name	
Owner Telephone & Email	
Date of Award	
Date of Completion	
Contract Amount ($)	
Project Description	

PROJECT 2

Project Name	
Project Location	
Owner Name	
Owner Telephone & Email	
Date of Award	
Date of Completion	
Contract Amount ($)	
Project Description	

CONTRACTOR EXPERIENCE - continued

ITB #2184-B: REDWINE, BERNHARD, & PEACHTREE PKWY ROUNDABOUT

PROJECT 3

Project Name	
Project Location	
Owner Name	
Owner Telephone & Email	
Date of Award	
Date of Completion	
Contract Amount ($)	
Project Description	

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL PROVISION

SECTION 150 – TRAFFIC CONTROL

150.1 GENERAL DESCRIPTION

This section, as supplemented by the Plans, Specifications, and Manual on Uniform Traffic Control Devices (MUTCD) shall be considered the Temporary Traffic Control (TTC) Plan. Activities shall consist of furnishing, installing, maintaining, and removing necessary traffic signs, pedestrian signs, barricades, lights, signals, cones, pavement markings and other traffic control devices and shall include flagging and other means for guidance and protection of vehicular and pedestrian traffic through the Work Zone. This Work shall include both maintaining existing devices and installing additional devices as necessary in construction work zones.

All traffic control devices used during the construction of the project shall meet the standards utilized in the MUTCD, and shall comply with the requirements of these Specifications, Georgia Construction Standards and Details, Project Plans, Design Manuals, and Special Provisions. When any provisions of this Specification or the Plans do not meet the minimum requirements of the MUTCD, the MUTCD shall control. The current edition of the MUTCD shall be in effect for the duration of the project.

No work shall be started on any project phase until the appropriate traffic control devices have been placed in accordance with the Project requirements. Changes to traffic flow shall not commence unless all labor, materials, and equipment necessary to make the changes are available on the Project.

When any shift or change is made to the location of traffic or to the flow patterns of traffic, including pedestrian traffic, the permanent safety features shall be installed and fully operational before making the change. The cost of performing this work shall be included in Traffic Control-Lump Sum.

Full road closure of the intersection and multi-use path facilities is not permitted, thru traffic shall be maintained at all times.

150.2 SUBMITTALS / PRECONSTRUCTION

A. Contractor Responsibilities

The Contractor will select the appropriate traffic control means and methods for the work in accordance with Part 6 of the current edition of the Manual of Uniform Traffic Control Devices and the Georgia Department of Transportation Standards, Specifications, and Special Provisions (Section 150). Variation(s) from these documents or special conditions or operations will require approval of the Engineer.

The Contractor shall develop detailed staging and temporary traffic control plans for performing specific areas of the Work including but not limited to all traffic shifts, detours, paces, or other activities that disrupt traffic or pedestrian flow. The Engineer may require detailed staging and TTC plans for lane closures or disruption to pedestrian facilities. These plans shall be submitted for approval at least two (2) weeks prior to the scheduled date of the activity. Activities that have not been approved at least seven (7) days prior to the scheduled date shall be rescheduled. Pedestrian and multi-use path needs identified in the preconstruction phase shall be included in the proposed TTC plan.

The Contractor will be responsible for furnishing, installing, maintaining, and removing appropriate Advance Warning and Construction Warning signs as well as other signage that may be necessary in advance of and within the project limits for the duration of the project and for any temporary detours. The Contractor will be responsible for providing, installing, and maintaining all other necessary signs, traffic control devices, materials, equipment, and personnel including certified flagmen, as necessary to complete the work. The Engineer will periodically review the work for compliance with the requirements of the TTC plan.

NOTE: The Contractor's primary responsibility is for safe passage of pedestrians, golf carts, and vehicular traffic through the Work zone with minimal confusion and traffic flow disruption.

The safe passage of pedestrians and traffic through and around the temporary traffic control zone, while minimizing confusion and disruption to traffic flow, shall have priority over all other Contractor activities. Continued failure of the Contractor to comply with the requirements of Section 150 - Traffic Control will result in non-refundable deductions of monies from the Contract as shown in this Subsection for non-performance of Work.

Failure of the Contractor to comply with this Specification shall be reason for the Engineer suspending all other work on the Project, except erosion control and traffic control, taking corrective action as specified in Section 105, and/or withholding payment of monies due to the Contractor for any work on the Project until traffic control deficiencies are corrected. These other actions shall be in addition to the deductions for non-performance of traffic control.

SCHEDULE OF DEDUCTIONS FOR EACH CALENDAR DAY OF DEFICIENCIES OF TRAFFIC CONTROL INSTALLATION AND/OR MAINTENANCE		
ORIGNAL TOTAL CONTRACT AMOUNT		
From More Than	**To and Including**	**Daily Charge**
$0	$100,000	$250
$100,000	$1,000,000	$650
$1,000,000	$5,000,000	$1,300
$5,000,000	$20,000,000	$2,000

B. Worksite Traffic Control Personnel

The Contractor shall designate a qualified individual as the Worksite Traffic Control Supervisor (WTCS). The WTCS shall be responsible for selecting, installing, and maintaining all traffic control devices in accordance with the Plans, Specifications, Special Provisions and the MUTCD. The WTCS shall be currently certified by the American Traffic Safety Services Association (ATSSA) Work Site Traffic Supervisor Certification program or the National Safety Council Certification program.

The WTCS shall be available on a twenty-four (24) hour basis to perform his duties. If the work requires traffic control activities to be performed during the daylight and nighttime hours, it may be necessary for the Contractor to designate an alternate WTCS. An alternate WTCS must meet the same requirements and qualifications as the primary WTCS and be accepted by the Engineer prior to beginning any traffic control duties. The Worksite Traffic Control Supervisor's traffic control responsibilities shall have priority over all other assigned duties.

As the representative of the Contractor, the WTCS shall have full authority to act on behalf of the Contractor in administering the TTC Plan. The WTCS shall have appropriate training in safe traffic control practices in accordance with Part 6 of the MUTCD. In addition to the WTCS, all other individuals making decisions regarding traffic control shall meet the training requirements of the Part 6 of the MUTCD.

The Worksite Traffic Control Supervisor (WTCS) shall have a copy of Part 6 of the MUTCD and the Contract on the job site. Copies of the current MUTCD may be obtained from the FHWA web page at http://mutcd.fhwa.dot.gov.

The WTCS shall supervise the initial installation of traffic control devices. The Engineer, prior to the beginning of construction, will review the initial installation. Modifications to traffic control devices as required by sequence of operations or staged construction shall be reviewed by the WTCS.

The WTCS or alternate WTCS shall be available on a full-time basis to maintain traffic control devices with access to all personnel, materials, and equipment necessary to respond effectively to an emergency situation within forty-five (45) minutes of notification of the emergency.

NOTE: No Work shall begin on any phase of the project unless the appropriate traffic control devices have been placed according to the Contract requirements.

Flaggers shall be provided as required to handle traffic, as specified in the Plans or Special Provisions, and as required by the Engineer. All flaggers shall meet the requirements of the MUTCD and shall have received training and a certificate upon completion of the training from an approved training program.

C. Sequence of Operations

Any Sequence of Operations provided in this Contract in conjunction with any staging details which may be shown in the plans, is a suggested sequence for performing the Work.

It is intended as a general staging plan for the orderly execution of the work while minimizing the impact on pedestrian facilities, mainline, cross-streets, and side streets. The Contractor shall develop detailed staging and temporary traffic control plans for performing specific areas of the Work including but not limited to all traffic shifts, detours, paces, or other activities that disrupt traffic or pedestrian flow. The Engineer may require detailed staging and TTC plans for lane closures or disruption to pedestrian facilities. These plans shall be submitted for approval at least two (2) weeks prior to the scheduled date of the activity. Activities that have not been approved at least seven (7) days prior to the scheduled date shall be rescheduled.

Where traffic is permitted through the work area under stage construction, the Contractor may choose to construct, at no additional expense to the County, temporary on-site bypasses or detours in order to expedite the work. Plans for such temporary bypasses or detours shall be submitted to the Engineer for review and approval thirty at least (30) calendar days prior to the proposed construction. Such bypasses or detours shall be removed promptly when in the opinion of the Engineer; they are no longer necessary for the satisfactory progress of the Work.

The County will not pay, or in any way, reimburse the Contractor for claims arising from the Contractor's inability to perform the Work in accordance with the Sequence of Operations provided in the Contract or from an approved Contractor alternate.

The Contractor shall secure the Engineer's approval of the Contractor's proposed plan of operation, sequence of work and methods of providing for the safe passage of vehicular and pedestrian traffic before it is placed in operation. The proposed plan of operation shall supplement the approved traffic control plan. Any major changes to the approved TTC plan, proposed by the Contractor, shall be submitted to the Engineer for approval.

Some additional traffic control details will be required prior to any major shifts or changes in traffic. The traffic control details shall include, but not be limited to, the following:

1. A detailed drawing showing traffic locations and lanes for each step of the change.

2. The location, size, and message of all signs required by the MUTCD, Plan, Special Provisions, and other signs as required to fit conditions. Any portable changeable message signs used shall be included in the details.

3. The method to be used in, and the limits of, the obliteration of conflicting lines and markings.

4. Type, location, and extent of new lines and markings.

5. Drainage details for temporary and permanent alignments.

6. Location, length, and/or spacing of channelization and protective devices (temporary barrier, guardrail, barricades, etc.)

7. Starting time, duration, and date of planned change.

8. For each traffic shift, a paving plan or work site plan, as appropriate.

The above details shall be submitted to the Engineer for approval at least fourteen (14) days prior to the anticipated traffic shift. The Contractor shall have traffic control details for a traffic shift which has been approved by the Engineer prior to commencement of the physical shift. All preparatory work relative to the traffic shift, which does not interfere with traffic, shall be accomplished prior to the designated starting time. The Engineer and the Contractor's representative will verify that all conditions have been met prior to the Contractor obtaining materials for the actual traffic shift.

D. Multi-Use Path Requirements

All existing multi-use path facilities shall be maintained for use. Where sections of multi-use path facilities are closed, alternate routes shall be provided. Closures of existing, interim, and final multi—use path facilities shall have the prior written approval of the Engineer. When existing multi-use path facilities are disrupted, closed or relocated in a TTC zone, the temporary facilities shall be detectable and shall include accessibility features consistent with the features present in the existing multi-use path facility. Barriers and channelizing devices used along a temporary multi-use path route shall be in compliance with the MUTCD.

1. Multi-Use Path Signage

   A multi-use path shall not be severed or relocated for non-construction activities, such as parking for construction vehicles and equipment. Movement by construction vehicles and equipment across designated paths should be minimized. When necessary, construction activities shall be controlled by flaggers. Multi-use paths shall be kept free of mud, loose gravel or other debris. The WTCS shall inspect the activity area daily to ensure that effective TTC is being maintained.

2. Temporary Multi-Use Path Facilities

   Temporary multi-use path facilities shall include features consistent with the features present in the existing path facility.

   A smooth, continuous surface (compacted soils, sand, crushed stone, or asphaltic pavement millings) shall be provided throughout the entire length of the temporary multi-use facility. Regardless of the materials used, temporary paths shall be constructed and maintained with sufficient thickness and durability to withstand the intended use for the duration of the construction project.

   Furnish and install any needed temporary pipes prior to constructing any paths to ensure positive drainage away from or beneath the temporary path. Once the path is no longer required, remove any temporary materials, and restore the area to the original conditions or as shown in the plans.

150.3 MATERIALS AND TRAFFIC CONTROL DEVICES

A. Traffic Control Devices

All devices shall be certified in accordance with the MUTCD, GDOT Signing and Marking Design Guidelines, the Manual for Assessing Safety Hardware (MASH), and/or the

National Cooperative Highway Research Program (NCHRP) 350 as applicable unless modified by this Special Provision.

In addition, temporary work zone devices and construction warning signs (black on fluorescent orange), and channelization devices (white/ fluorescent orange and white/red) including portable barriers shall meet the minimum retroreflectivity requirements of ASTM D4956, GDOT Section 913, and QPL-29.

1. Arrow boards should meet the requirements for MUTCD (6F.61) and QPL-79.

2. Drums shall meet the minimum requirement of the MUTCD (6F.67).

3. Vertical panels shall meet the minimum requirements of the MUTCD (6F.66).

4. Cones shall meet the requirements of the MUTCD (6F.64) and be a minimum of twenty-eight inches (≥ 28") in height regardless of application.

5. Type 3 barricades shall meet the minimum requirements of the MUTCD (6F.68). The use of Type 1 and Type 2 barricades will not be permitted.
   All warning lights shall meet the requirements of the MUTCD (6F.83)

6. The flashing beacon assembly, when specified, shall be used in conjunction with construction warning signs, regulatory, or guide signs to inform traffic of special road conditions which require additional driver attention. The flashing beacon assembly shall be installed in accordance with the requirements of GDOT Section 647.

All traffic control devices found to be unacceptable shall be replaced within twenty-four (24) hours unless stated otherwise in the specifications, in the contract, or as directed by the Engineer.

B. Pavement Markings

All temporary traffic striping shall conform to the requirements of GDOT Section 652, Section 653, Section 657, Section 658, Section 659, and QPL-46. Raised pavement markers (RPMs) shall meet the requirements of Section 654 and QPL-76 .

C. Portable Changeable Message Signs

Portable changeable message signs (PCMS) shall meet the minimum requirements of GDOT Section 632, MUTCD (6F.60), and be on QPL-82. The maximum number of messages allowed to be flashed on one PCMS is two phases (flashes). The language and the timing of the messages shall comply with the MUTCD and Section 632. When used as an advanced device, the PCMS should typically be placed ahead of the construction activities. If the PCMS is used as a substitute for another device, then the requirements for the other device apply.

The PCMS message should be concise and meaningful. Display messages no more than two flashes as described below:

1. The first flash should direct the motorist to take a specific action, such as MERGE/RIGHT, KEEP/RIGHT, or REDUCE/SPEED.

2. The second flash, if necessary, should inform the motorist of road conditions, such as LEFT/LANE/CLOSED, LANE/NARROWS/AHEAD, SHOULDER/DROP/OFF, WATER/IN/ROAD or TRUCKS/IN AND OUT.

Do not use confusing or frightening messages such as USE CAUTION, HAZARD AHEAD, or DANGER. When the PCMS is not needed, turn off the sign and remove it from the roadside.

150.4 TRAFFIC PACING METHOD

Pacing or Pilot Vehicle method shall meet the minimum requirements of the MUTCD (6C.13).

With prior approval from the Engineer, traffic may be paced allowing the Contractor up to **ten (10) minutes maximum** to work in or above all lanes of traffic for work items requiring interruption of traffic.

The Contractor shall provide a pilot vehicle with flashing lights for each direction of pacing. The pilot vehicle, and flaggers shall be provided with a radio which will provide continuous contact. Pilot vehicles shall travel at a safe pace speed. Traffic should not be permitted to stop during pacing unless approved by the Engineer.

150.5 WORK ZONE RESTRICTIONS

The Engineer may restrict construction operations if the Work would seriously disrupt traffic flow when unusual traffic conditions exist, such as during holidays or bad weather.

Full road closure of the intersection and multi-use path facilities is not permitted, thru traffic shall be maintained at all times.

All lane closures shall be subject to the approval of the Engineer. Each lane closure request shall be made at least 48 hours in advance of the time the lane closure is to be implemented. Lane closures will not be allowed to remain unless being utilized continuously for the purpose for which they were set up. No lane closures are allowed between the hours of 7:00 am to 8:00 am and 4:00 pm to 5:30 pm without prior approval by the Engineer.

Where full width sections of the existing subgrade, base or surfacing are to be removed, and new base, subgrade, or surfacing are to be constructed, the Contractor should maintain at least one-lane of traffic in each direction through the construction area by removing and replacing the undesirable material for half the width of the existing roadway at a time. Replacement should be made such that paving is completed to the level of the existing pavement in the adjacent lane by the end of the workday or before opening all the roadway to traffic.

Unless modified by the special conditions, a milled surface on any asphaltic concrete surface shall not be allowed to remain open to traffic for a period of time that exceeds thirty (> 30) calendar days.

It shall be the responsibility of the Contractor to verify that these minimum requirements have been met before proceeding with any phase of the Work. The Worksite Traffic Control Supervisor

(WTCS) shall monitor the work to ensure that all the rocks, boulders, construction debris, stockpiled materials, equipment, tools and other potential hazards are kept clear of the travel lane.

150.6 MEASURMENT AND PAYMENT

When listed as a pay item in the Proposal, payment will be made at the lump sum price bid, which will include all traffic control not paid for separately, and will be paid as follows:

When the first Pay Application is submitted, a payment of twenty-five percent (25%) of the lump sum price will be made. For each progress payment thereafter, the total of the Project percent complete shown on the last pay statement plus twenty-five percent (25%) will be paid (less previous payments), not to exceed one hundred percent (100%).

When no payment item for Traffic Control-Lump Sum is shown in the Proposal, all of the requirements of Section 150 and the Temporary Traffic Control Plan shall be in full force and effect. The cost of complying with these requirements will not be paid for separately but shall be included in the overall bid submittal.

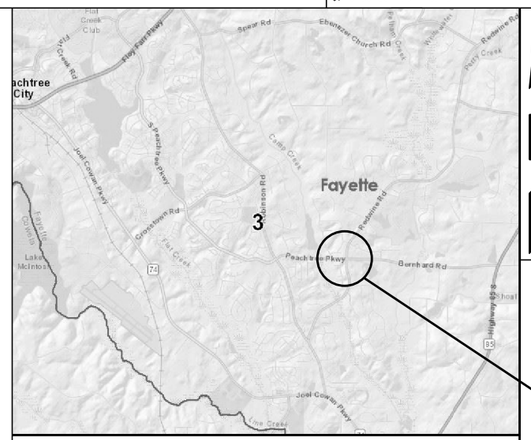
9/19/2022	GPLOT-V8	1866010_01-0001.dgn		Project No.
aalban	gplotborder-V81-P0.tbl	GRWCOV		17TAL

FAYETTE COUNTY

BOARD OF COMMISSIONERS

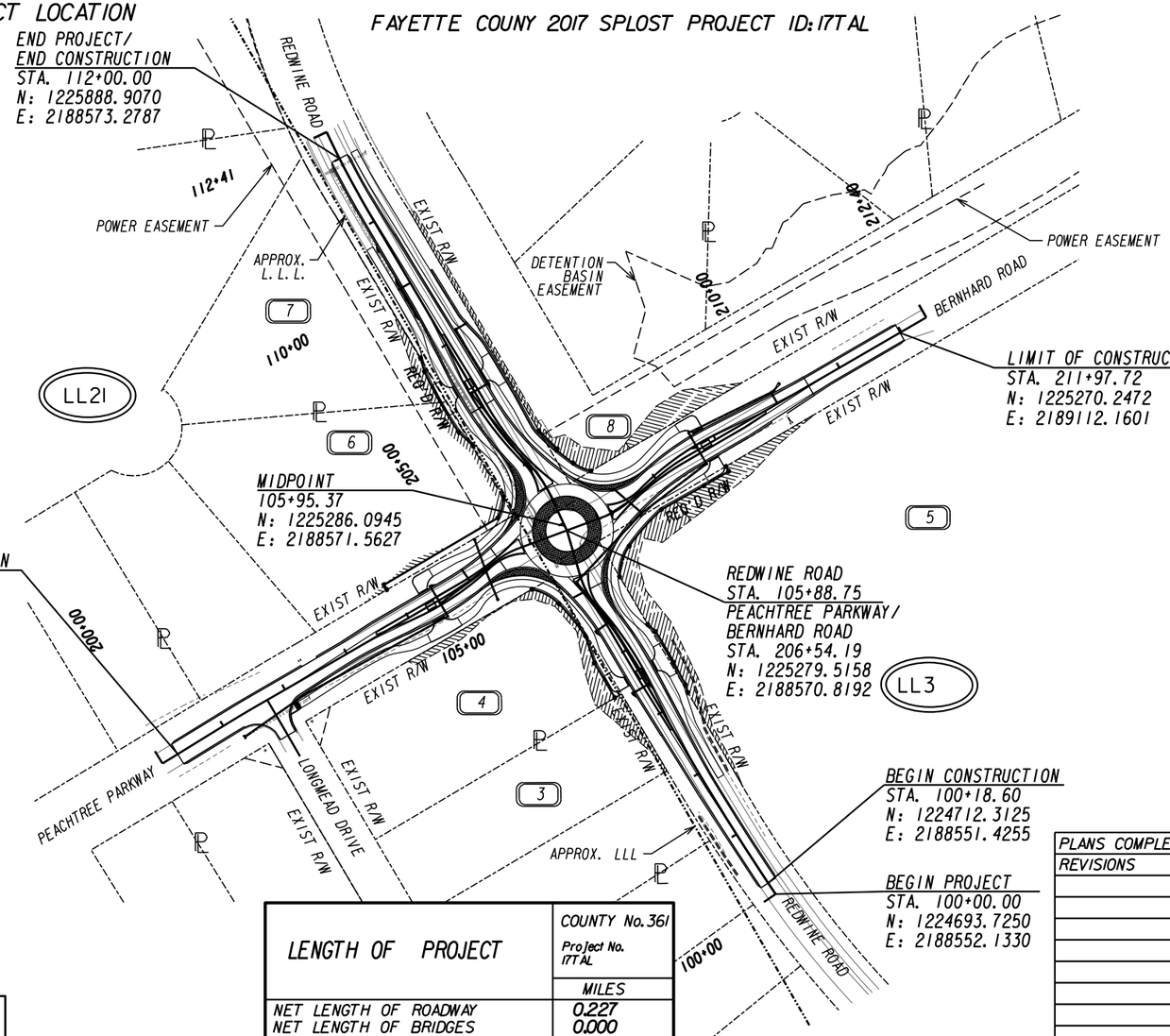
PLAN AND PROFILE OF PROPOSED
REDWINE RD, BERNHARD RD & PEACHTREE PKWY INTERSECTION IMPROVEMENTS

FAYETTE COUNY 2017 SPLOST PROJECT ID: 17TAL



LOCATION SKETCH

PROJECT LOCATION



DESIGN DATA:

TRAFFIC A.D.T.:	6125 (2018)
TRAFFIC A.D.T.:	6325 (2020)
TRAFFIC A.D.T.:	8525 (2040)
TRAFFIC D.H.V.:	580 (K-FACTOR - 9.1%)
DIRECTIONAL DIST:	50/50
% TRUCKS:	3.6%-SU/ 1.0%-COMB.
24 HR. TRUCKS %:	4.9
SPEED DESIGN:	35 MPH & 45 MPH
INSCRIBED DIA.:	130'
ENTRY RADIUS:	70'
EXIT RADIUS:	350'

FUNCTIONAL CLASS:
REDWINE RD: MINOR ARTERIAL
PEACHTREE PKWY: MINOR ARTERIAL
BERNHARD RD: MAJOR COLLECTOR (GDOT)
MINOR ARTERIAL (FAYETTE COUNTY)

THIS PROJECT IS LOCATED IN FAYETTE COUNTY, CONG. DIST. NO. 13, & COMM. DIST. NO. 3
GMD: 495

PROJECT DESIGNATION:
FUNDED 2017 SPLOST, 17TAL

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

SCALE IN FEET
0 100 200 400

LENGTH OF PROJECT	COUNTY No. 361 Project No. 17TAL
	MILES
NET LENGTH OF ROADWAY	0.227
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	0.227
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.227

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

PLANS PREPARED BY CROY ENGINEERING
UNDER THE SUPERVISION OF

GEORGIA PROFESSIONAL 23019 ENGINEER CHRIS RIDEOUT

LEVEL II CERT. 6947
CHRIS RIDEOUT, P.E.

PLANS COMPLETED 9-19-2022	
REVISIONS	

DRAWING No. 01-0001

CONCOV

DRAWING NO.	DESCRIPTION
1-0001	COVER
2-0001	INDEX
3-0001	REVISION SUMMARY
4-0001	GENERAL NOTES
5-0001 TO 5-0010	TYPICAL SECTIONS
6-0001 TO 6-0004	SUMMARY OF QUANTITIES
7-0001	QUANTITIES BY AMENDMENT
8-0001	QUANTITIES ON CONSTRUCTION
11-0001	CONSTRUCTION LAYOUT
13-0001 TO 13-0005	CONSTRUCTION PLAN SHEETS
15-0001 TO 15-0002	MAINLINE PROFILE
16-0001 TO 16-0004	CROSSROADS PROFILE SHEETS
18-0001 TO 18-0002	SPECIAL GRADING
21-0001	DRAINAGE AREA MAP
22-0001 TO 22-0003	DRAINAGE PROFILES
23-0001 TO 23-0009	CROSS SECTIONS
24-0000 TO 24-0005	UTILITY PLANS
26-0000 TO 26-0006	SIGNING AND MARKING PLANS
31-0001	RETAINING WALL ENVELOPES
44-0001 TO 44-0009	UTILITY RELOCATION PLANS
50-0001	EROSION COVER
51-0001 TO 51-0005	ESPCP GENERAL NOTES
52-0001 TO 52-0007	EROSION CONTROL LEGEND
53-0001	EROSION CONTROL DRAINAGE AREA MAP
54-0001 TO 54-0024	BMP LOCATION DETAILS
55-0001	WATERSHED MAP SITE MONITORING PLAN
56-0001 TO 56-0002	EROSION CONTROL STANDARDS & DETAILS
60-0001	RIGHT OF WAY COVER
60-0002 TO 60-0008	RIGHT OF WAY MAP
	LIGHTING PLANS
	LANDSCAPING DETAILS
	GEORGIA CONSTRUCTION DETAILS
A-1	DRIVEWAYS WITH TAPERED ENTRANCES, CONCRETE VALLEY GUTTERS 07/2011
A-2	CONCRETE VALLEY GUTTER AT STREET INTERSECTION 6" OR 8" CONCRETE VALLEY GUTTER 07/2011
A-3	CONCRETE SIDEWALK DETAIL CURB CUT (WHEELCHAIR) RAMPS 09/2016
D-7	BERM DITCHES, SIDE DITCHES, SURFACE DITCHES 07/1980
D-55A	RIPRAP OUTLET PROTECTION (SHEET 1 OF 2) 04/2016
D-55B	RIPRAP OUTLET PROTECTION (SHEET 2 OF 2) 04/2016
P-7	PAVEMENT EDGE TREATMENT ASPHALT AND CONCRETE PAVEMENT 11/2011
RA-2	ROUNDABOUT TYPICAL SECTION ASPHALTIC CONCRETE CIRCULATORY ROADWAY 01/2012
T-3A	TYPE 7, 8, & 9 DETAILS OF SQUARE TUBE POST INSTALLATION 07/2002
T-4	DETAILS OF CARDINAL DIRECTION SIGNS 01/2000
T-5A	DETAILS OF REGULATORY SIGNS (SHEET 1 OF 2) 01/2003
T-5B	DETAILS OF REGULATORY SIGNS (SHEET 2 OF 2) 01/2000
T-11A	PAVEMENT MARKING PLACEMENT ON NON-LIMITED ACCESS RDWY 09/2016
T-11B	PAVEMENT MARKING PLACEMENT LIMITED ACCESS RDWY 09/2016
T-12A	PAVEMENT MARKING ARROW LOCATION 01/2000
T-12B	PAVEMENT MARKING ARROW 09/2019
T-13A	PAVEMENT MARKING WORDS SHEET 1 OF 2 09/2016
T-14	PAVEMENT MARKING HATCHING 11/2008
T-15A	RAISED PAVEMENT MARKER LOCATION NON-LIMITED ACCESS RDWY 09/2016
T-15C	RAISED PAVEMENT MARKERS 09/2011
	GEORGIA STANDARDS
1001B	PIPE CULVERT CONCRETE HEADWALL 08/1999
1011A	BRICK MANHOLES 10/1981

DRAWING NO.	DESCRIPTION	
1011AP	PRECAST REINFORCED CONCRETE MANHOLE	06/1975
1019A	DROP INLETS	08/1999
1019AP	PRECAST DROP INLETS	08/1999
1030D1	CONCRETE AND METAL PIPE CULVERTS (SHEET 1 OF 3)	09/2001
1030D2	CONCRETE AND METAL PIPE CULVERTS (SHEET 2 OF 3)	09/2001
1030D3	CONCRETE AND METAL PIPE CULVERTS (SHEET 3 OF 3)	09/2001
1033D	CATCH BASINS (FOR USE WITH 6" OR 8" HT. CURB AND GUTTER)	08/1982
1033DP	PRECAST CATCH BASINS (FOR USE WITH 6" OR 8" PRECAST HT. CURB AND GUTTER)	09/1982
1034D	CATCH BASINS (FOR USE WITH 6" OR 8" HT. CURB AND GUTTER IN SAGS OR LOW POINTS)	08/1982
1034DP	PRECAST CATCH BASINS (FOR USE WITH 6" OR 8" PRECAST HT. CURB AND GUTTER IN SAGS OR LOW POINTS)	09/1982
1120	FLARED END SECTION FOR PIPES	06/2006
9003	FEDERAL AID AND STATE PROJECT MARKERS, RIGHT OF WAY MARKER, COUNTY LINE MARKER	04/2006
9013	CONCRETE SPILLWAYS (TYPICAL USE ALONG ROADWAY AT END OF CURB)	02/1981
9032B	CONCRETE CURB AND GUTTER, CONCRETE CURBS, CONCRETE MEDIANS	02/2020
9031S	MEDIAN DROP INLET (PRECAST OR BUILT-IN-PLACE) AND CONCRETE APRON	04/1996
9100	TRAFFIC CONTROL GENERAL NOTES, STANDARD LEGEND, AND MISC. DETAILS	03/2006
9106	TRAFFIC CONTROL DETAIL FOR LANE CLOSURES ON SIX-LANE DIVIDED HIGHWAY	09/2007
9107	TRAFFIC CONTROL DETAIL FOR LANE CLOSURES ON MULTI-LANE UNDIVIDED HIGHWAY	03/2006
	GEORGIA EROSION CONTROL DETAILS	
D-20	SILT CONTROL GATES FOR STRUCTURES TP-1, 2, 3,	04/2016
D-24A	TEMPORARY SILT FENCE (SHEET 1 OF 4)	01/2011
D-24B	TEMPORARY SILT FENCE BERM DITCH, INSTALLATION, BRUSH BARRIER (SHEET 2 OF 4)	01/2011
D-24C	TEMPORARY SILT FENCE J-HOOKS, INLET SEDIMENT TRAPS (SHEET 3 OF 4)	01/2011
D-24D	TEMPORARY SILT FENCE FABRIC CHECK DAM (SHEET 4 OF 4)	07/2015
D-41	CONSTRUCTION EXIT	08/2020
D-42	INLET SEDIMENT TRAPS	05/2008
D-56	STONE RIPRAP AND SANDBAG TEMPORARY CHECK DAMS	11/2018
	(SEE DRAWING SECTION 52 FOR EROSION CONTROL PLANS LEGEND AND UNIFORM	
	CODE DETAILS EC-L1, EC-L2, EC-L3, EC-L4, EC-L5, EC-L6 AND EC-L7)	
	WATERLINE DETAILS	
U-0003	TYPICAL ROAD CROSSING	01/2015
W-0006	TYPICAL FIRE HYDRANT INSTALLATION	01/2015
W-0016	TERMINAL END DETAIL	01/2015
W-0019	VALVE MARKER DETAIL	01/2015
W-0023	WATER LINE VALVE INSTALLATION	01/2015
	GEORGIA STANDARDS AND CONSTRUCTION DETAILS REQUIRED FOR THIS PROJECT ARE LISTED IN THE INDEX WITH	
	THE LATEST REVISION DATES BUT ARE NOT INCLUDED AS PART OF THE PLANS. THE CONTRACTOR SHALL BE	
	RESPONSIBLE FOR OBTAINING THE STANDARDS AND CONSTRUCTION DETAILS SHOWN IN THE INDEX AND MAINTAINING	
	ON THE PROJECT SITE. FULL SIZE PRINTS MAY BE PURCHASED BY THE CONTRACTOR FROM THE GEORGIA	
	DEPARTMENT OF TRANSPORTATION, OR DOWNLOADED FROM THE GEORGIA DEPARTMENT OF TRANSPORTATION WEBSITE	
	AT: http://mydocs.dot.ga.gov/info/gdotpubs/ConstructionStandardsAndDetails/Forms/AllItems.aspx	

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

INDEX

REDWINE RD, BERNHARD RD & PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		02-0001
VERIFIED:		DATE:		

9/16/2022 9:54:33 AM aalban	GPLOT-V8 gplotborder-V81-P0.tbl	1866010_03-0001.dgn		Project No. 17TAL

DATE	DRAWING NO.	REVISION

DATE	DRAWING NO.	REVISION

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES		

REVISION SUMMARY

REDWINE RD, BERNHARD RD & PEACHTREE PKWY INTERSECTION

				DRAWING No.
CHECKED:		DATE:		03-0001
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

PROJECT GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD AND SUPPLEMENTAL SPECIFICATIONS, CURRENT EDITION.

2. ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON PLANS, AND ARE NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON PLANS WILL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY UNDER THIS REQUIREMENT. "EXISTING UTILITY FACILITIES" MEANS ANY UTILITY THAT EXISTS ON THE PROJECT IN ITS ORIGINAL, RELOCATED OR NEWLY INSTALLED POSITION.

3. THE FOLLOWING UTILITIES HAVE FACILITIES IN THE PROJECT AREA:

   1. Southern Company Gas
   2. AT&T Southeast Network (BellSouth) Telecommunications
   3. Coweta-Fayette EMC
   4. Fayette Water
   5. Comcast

4. INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE GEORGIA STANDARD SPECIFICATIONS.

5. RIGHT-OF-WAY MARKERS IN RESIDENTIAL LAWN AND DEVELOPED COMMERCIAL AREAS SHALL BE PLACED FLUSH WITH THE FINISHED SURFACE.

6. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND TO DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. CONCRETE AND ASPHALT MATERIALS REMOVED FROM THE PROJECT SITE MAY NOT BE PLACED IN FILL LOCATIONS THAT FALL WITHIN EASEMENT OR RIGHT-OF-WAY AREAS.

7. PERFORATED UNDERDRAIN SHALL BE PLACED IN AREAS WHERE WET CONDITIONS EXIST IN THE SUBGRADE AS DIRECTED BY THE ENGINEER.

8. STRUCTURES, TREES, SHRUBS AND OTHER PLANT MATERIAL THAT FALL WITHIN THE RIGHT-OF-WAY AND EASEMENT LIMITS, BUT OUTSIDE THE LIMITS OF CONSTRUCTION, SHALL NOT BE DISTURBED UNLESS DIRECTED BY THE ENGINEER.

9. THE CONTRACTOR SHALL OBSERVE ALL APPLICABLE LOCAL, STATE AND FEDERAL SAFETY REGULATIONS REGARDING PIPE INSTALLATION IN TRENCHES. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.

10. METAL PIPES UNDERNEATH THE TRAVEL WAY MUST BE REMOVED OR FILLED WITH FLOWABLE FILL. THE COST FOR REMOVAL OF PIPES SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE PER LUMP SUM OR IN THE PRICE BID FOR FLOWABLE FILL PER CUBIC YARD.

11. IN AREAS WHERE NEW PAVEMENT OR PAVEMENT WIDENING IS REQUIRED, SAW CUT OF EXISTING PAVEMENT WILL BE REQUIRED IN ACCORDANCE WITH SECTION 411 OF THE GEORGIA STANDARD SPECIFICATIONS AND WILL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE". THE SAW CUT SHALL BE AS CLOSE TO THE EDGE OF PAVEMENT AS POSSIBLE.

12. ALL RETAINING WALLS SHALL HAVE ASHLAR STONE FORM LINER OR OTHER FORM LINER AS DIRECTED. THIS APPLIES TO ALL RETAINING WALL FACES EXPOSED TO PUBLIC VIEW. ALL RETAINING WALL EXPOSED FACES SHALL HAVE ANTI-GRAFFITI COATING. THE ASHLAR FINISH AND ANTI-GRAFFITI COATING SHALL BE INCLUDED IN THE PRICE OF THE WALL.

13. ALL DRIVEWAYS SHALL BE MAINTAINED DURING CONSTRUCTION. ALL DRIVEWAYS TO BE CONSTRUCTED SHALL BE REPLACED IN KIND I.E. ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE ETC. ANY OTHER DRIVEWAY MATERIAL OR SPECIALIZED DRIVEWAY WILL NOT BE REPLACED IN KIND (I.E. PAVERS) AND WILL BE REPLACED WITH ASPHALT OR CONCRETE. ALL EARTH OR GRAVEL DRIVES SHALL BE PAVED WITH ASPHALT TO THE RIGHT-OF-WAY LIMIT OR TIE-IN POINT. DRIVEWAYS SHALL BE PAVED AS FOLLOWS:

   ASPHALTIC DRIVES
   RESIDENTIAL - 1-1/2" ASPH. CONC. 12.5 MM SUPERPAVE, 165 LB/SY
   - 6" GRADED AGGREGATE BASE

   COMMERCIAL - 1-1/2" ASPH. CONC. 12.5 SUPERPAVE, 165 LB/SY
   - 2" ASPH. CONC. 19MM SUPERPAVE, 220 LB/SY
   - 6" GRADED AGGREGATE BASE

   CONCRETE DRIVES
   RESIDENTIAL - 6" CONCRETE VALLEY GUTTER
   - 4" CONCRETE DRIVEWAY

   COMMERCIAL - 8" CONCRETE VALLEY GUTTER
   - 6" CONCRETE DRIVEWAY

14. ALL CONCRETE SIDEWALKS AND WHEEL CHAIR RAMPS LOCATED IN THE RADIUS RETURN SHALL BE 8" THICKNESS.

15. LUMP-SUM TRAFFIC CONTROL: THE PRICE BID FOR LUMP-SUM TRAFFIC CONTROL SHALL INCLUDE THE COST OF STAGED CONSTRUCTION, MAINTENANCE OF TRAFFIC (INCLUDING AGGREGATE SURFACE COURSE), INSTALLATION AND REMOVAL OF ALL TEMPORARY SIGNAGE, INTERIM PAVEMENT MARKINGS, BARRICADES, AND OTHER INTERIM TRAFFIC CONTROL DEVICES NECESSARY FOR THE CONSTRUCTION AND MAINTENANCE OF THE PROJECT. DEVICES UTILIZED ON THE PROJECT SHALL BE IN COMPLIANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION AND SECTION 150. ALL DEVICES, SIGNS, POSTS, BARRICADES, ETC SHALL BE FROM THE GDOT QUALIFIED PRODUCTS LIST (QPL). ALL DEVICES SHALL BE CRASHWORTHY UNDER AASHTO AND NCHRP 350 REQUIREMENTS. THE ENGINEER MAY DIRECT THAT ADDITIONAL DEVICES AND MARKINGS BE ADDED TO THE TRAFFIC CONTROL PLAN. THE COST OF NOMINAL ITEMS ADDED BY THE ENGINEER SHALL BE INCLUDED IN LUMP-SUM TRAFFIC CONTROL EXCEPT FOR THE ADDTION OF A CHANGEABLE MESSAGE SIGN(S). THE CONTRACT UNIT PRICE WILL BE PAID FOR A CHANGEABLE MESSAGE SIGN(S) OR A UNIT PRICE WILL BE DETERMINED WHEN A CHANGEABLE MESSAGE SIGN(S) IS NOT INCLUDED IN THE CONTRACT.

PROJECT GENERAL NOTES CONT'D:

16. DETOURS IN THE PLANS: SUGGESTED DETOURS SHOWN IN THE PLANS ARE FOR INFORMATION ONLY. CONTRACTOR SHALL SUBMIT ON SITE AND OFF SITE DETOURS, AS PER SPECIAL PROVISION 150 TRAFFIC CONTROL, FOR REVIEW AND APPROVAL. THE COST OF MAINTENANCE, GRADING, TEMPORARY DRAINAGE, TEMPORARY SIGNAGE, TEMPORARY MARKINGS AND TEMPORARY DEVICES SHALL BE INCLUDED IN LUMP-SUM TRAFFIC CONTROL. THE COST OF STONE BASE(GAB) AND THE PLACEMENT OF THE TYPICAL PAVEMENT SECTION, TEMPORARY BARRIERS, ATTENUATORS, TEMPORARY GUARDRAIL, AND ANCHORS, IF NEEDED, WILL BE PAID AT CONTRACT UNIT PRICES. IF NO PAY ITEM IS SET UP FOR THE AFOREMENTIONED ITEMS FOR DETOURS THEN, IF REQUIRED, WILL BE INCLUDED IN LUMP SUM TRAFFIC CONTROL, AND IT WILL NOT BE MEASURED SEPARATELY FOR PAYMENT. ANY UNIT PRICES SET UP WILL INCLUDE INSTALLATION AND REMOVAL. PERMANENT DEVICES, TO BE INCORPORATED INTO THE FINAL WORK, MAY BE USED FOR INTERM/TEMPORARY DUTIES PROVIDED THE PERMANENT DEVICES ARE NOT DAMAGED DURING THE INTERIM USAGE. THE COST FOR REPLACEMENT OF DAMAGED COMPONENTS SHALL BE AT THE CONTRACTOR'S EXPENSE.

    DETOURS NOT SHOWN IN THE PLANS (DETOURS PROPOSED BY THE CONTRACTOR): THE COST TO INSTALL, MAINTAIN AND REMOVE ANY DETOUR SHALL BE INCLUDED IN THE PRICE BID FOR LUMP-SUM TRAFFIC CONTROL. THE COST OF GRADING, PAVEMENT, SIGNING, MARKINGS, TEMPORARY DEVICES, TEMPORARY CONCRETE BARRIERS, ATTENUATORS, TEMPORARY GUARDRAIL AND ANCHORS, ETC SHALL BE INCLUDED IN THE PRICE BID FOR LUMP-SUM TRAFFIC CONTROL. DETOURS NOT SHOWN IN THE PLANS WILL NOT BE ELIGIBLE TO BE PAID AT CONTRACT UNIT PRICES.

17. ALL CUT AND FILL SLOPES SHALL BE STABILIZED TO COMPLY WITH SECTION 161.3.05.B OF THE SPECIFICATIONS IN ORDER TO REDUCE THE POTENTIAL FOR EROSION. IF THE SEASON DOES NOT PERMIT PERMANENT GRASSING, TEMPORARY STRAW MULCH AND/OR TEMPORARY VEGETATION SHALL BE USED AS PER THE EROSION AND SEDIMENTATION POLLUTION CONTROL PLAN (ESPCP) OR AS DIRECTED BY THE ENGINEER.

18. EROSION CONTROL MEASURES SHALL BE INSTALLED TO BE IN COMPLIANCE WITH THE APPROVED EROSION AND SEDIMENTATION POLLUTION CONTROL PLAN (ESPCP). EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES THAT INVOLVE ENVIRONMENTAL SENTITIVE AREAS (ESA'S) AS DEFINED UNDER SECTION 107.23.F OF THE SPECIFICATIONS AND THE ESPCP. IN GENERAL, EROSION CONTROL ITEMS SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBING ACTIVITIES.

19. CONTRACTOR TO MAINTAIN ACCESS TO ALL GOLF CART PATHS DURING CONSTRUCTION AND TO COORDINATE WITH FAYETTE CO.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, RELOCATING, AND MAINTAINING THE PROPERTY OWNER'S MAILBOX TO AN AREA OUTSIDE CONSTRUCTION LIMITS DURING THE LIFE OF THE CONTRACT. THE LOCATION OF THE BOX SHOULD BE CONVENIENT TO BOTH THE MAIL CARRIER AND THE PATRON, YET NOT INTERFERE WITH PROPOSED WORK. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONFER WITH THE POST OFFICE SERVING THE AREA. ALL COSTS INCURRED FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS.

21. AN N.O.I. (NOTICE OF INTENT) IS REQUIRED FOR THIS PROJECT WHICH WILL BE FILED BY THE CONTRACTOR. THE DISTURBED AREA IS 2.87 ACRES.

22. ATTENTION IS CALLED TO SECTION 149.3, CONSTRUCTION REQUIREMENTS, CONTRACTOR IS REQUIRED TO TAKE THREE-POINT LEVELS ON WIDENING AND RECONSTRUCTION PROJECTS AND OBTAIN THE ENGINEER'S APPROVAL OF THE "BEST FIT" PROFILE AND CROSS SLOPE, TO MINIMIZE LEVELING REQUIREMENTS OF THE EXISTING ROADWAY. THE CONTRACTOR MUST GET THE ENGINEER'S APPROVAL OF THE PROPOSED BEST FIT BEFORE BEGINNING WIDENING AND RECONSTRUCTION. COST FOR SURVEY WORK TO BE INCLUDED IN GRADING COMPLETE OR OTHER ITEMS, NO SEPARATE PAYMENT SHALL BE MADE.

23. ALL ROADWAY DRAINAGE PIPES SHALL BE REINFORCED CONCRETE.

24. CONTRACTOR TO PROVIDE PRE-CONSTRUCTION PHOTOS OF ALL DRIVEWAYS TO PROJECT ENGINEER PRIOR TO CONSTRUCTION. PHOTOS MAY BE DIGITAL.

25. ALL EXISTING STORM DRAIN PIPES INLCUDING BOX CULVERTS WITHIN THE CONSTRUCTION LIMITS SHALL BE CLEANED PRIOR TO COMPLETION OF PROJECT. COST TO BE INCLUDED IN GRADING COMPLETE.

26. ALL GRASSED MEDIANS AND LANDSCAPED AREAS BETWEEN THE BACK OF CURB AND SIDEWALK SHALL BE SODDED WITH TIFTUF BERMUDA SOD. ALL COST ASSOCIATED WITH THIS REQUIREMENT SHALL BE INCLUDED IN THE PRICE BID FOR 700-9000 SOD.

27. ALL EXISTING PEDESTRIAN FACILITIES, INCLUDING ACCESS TO TRANSIT STOPS, SHALL BE MAINTAINED. WHERE PEDESTRIAN ROUTES ARE CLOSED, ALTERNATE ROUTES SHALL BE PROVIDED. WHEN EXISTING PEDESTRIAN FACILITIES ARE DISRUPTED, CLOSED, OR RELOCATED WITHIN THE LIMITS OF THE PROJECT, THE TEMPORARY PEDESTRIAN FACILITIES SHALL BE DETECTABLE AND SHALL INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY (PER LATEST MUTCD). COST FOR CONSTRUCTING AND MAINTAINING TEMPORARY PEDESTRIAN FACILITIES SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE.

28. THE ROADWAY FINAL SURFACE COURSE JOINTS MUST MATCH THE PROPOSED LANE EDGES AS SHOWN IN THE PAVEMENT MARKING PLANS.

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. ALL ITEMS NECESSARY FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR "TRAFFIC CONTROL".

2. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.

3. ALL SIGNS SHALL HAVE TYPE III RETROREFLECTIVE SHEETING UNLESS OTHERWISE NOTED.

4. IN RESIDENTIAL AREAS, TEMPORARY AND PERMANENT SIGNS SHALL BE LOCATED ON OR AS CLOSE AS POSSIBLE TO PROPERTY LINES.

5. EXISTING TRAFFIC SIGNS SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. MAINTENANCE INCLUDES REPLACING DAMAGED AND STOLEN SIGNS, AND PERIODIC CLEANING OF EXISTING SIGNS AND CONSTRUCTION RELATED TRAFFIC CONTROL DEVICES.

6. THE WORKSITE TRAFFIC CONTROL SUPERVISOR (WTCS) SHALL BE RESPONSIBLE FOR THE ELIMINATION OF ANY CONFLICTING PAVEMENT MARKINGS. THE WTCS SHALL NOT USE "BLACK OUT PAINT" TO ERADICATE CONFLICTING MARKINGS. THE ENGINEER SHALL MAKE THE FINAL DETERMINATION WHETHER THE CONFLICTING MARKINGS HAVE BEEN ADEQUATELY ELIMINATED.

7. TEMPORARY TRAFFIC BARRIERS SHALL HAVE A TWO (2') FEET MINIMUM OFFSET FROM THE EDGE OF ANY TRAVEL LANE. ONLY TRAFFIC DRUMS, MEETING THE MINIMUM REQUIREMENTS OF THE MUTCD AND SECTION 150, AND TEMPORARY BARRIERS THAT ARE CRASHWORTHY SHALL BE USED ADJACENT TO TRAVEL LANES. UNLESS PRIOR APPROVAL IS GRANTED BY FAYETTE COUNTY, THE TEMPORARY BARRIERS CAN NOT BE PLACED LESS THAN TWO (2') FEET FROM THE EDGE OF THE TRAVEL LANE. THE USE OF TYPE I AND II BARRICADES AND TRAFFIC CONES IS PROHIBITED.

8. TRAFFIC DRUMS MEETING THE MINIMUM REQUIREMENTS OF THE MUTCD AND SECTION 150 SHALL BE USED FOR CHANNELIZATION OF TRAFFIC IN ALL TRAFFIC SHIFTS. FOR ANY WORK ZONE, THE MAXIMUM DRUM SPACING, IN FEET, SHALL BE THE DESIGN OR POSTED SPEED LIMIT, WHICHEVER IS LESS. BASED ON FIELD CONDITIONS, THE MAXIMUM SPACING OF THE TRAFFIC DRUMS MAY NEED TO BE FURTHER REDUCED.

9. ALL TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED BY THE CONTRACTOR SO AS NOT TO INTERFERE WITH SIGHT DISTANCES ALONG ANY ADJACENT SIDE ROAD OR DRIVEWAY.

10. FAYETTE COUNTY RESERVES THE RIGHT TO MODIFY THIS MAINTENANCE OF TRAFFIC PLAN AS FIELD CONDITIONS WARRANT. IF ADDITIONAL TRAFFIC CONTROL DEVICES ARE REQUIRED, THESE SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE COUNTY.

11. TEMPORARY TRAFFIC CONTROL PLANS MUST BE SUBMITTED BY THE CONTRACTOR TO FAYETTE COUNTY PUBLIC WORKS DEPARTMENT, FOR INFORMATION CALL (770) 320-6010.

12. REFLECTORIZED TYPE 3 BARRICADES SHALL BE USED AT THE ACTUAL LOCATION OF TOTAL STREET CLOSURE. EACH BARRICADE SHALL HAVE TWO TYPE 'A' LIGHTS AND ONE R11-2 (ROAD CLOSED) SIGN ATTACHED.

13. ALL M4-9 SIGNS SHALL HAVE ADVISORY BLADES (INSTALLED ABOVE THE "DETOUR" SIGN) IDENTIFYING THE CLOSED STREET THAT THE DETOUR ROUTE SERVES.

14. CHANGEABLE MESSAGE SIGNS, INFORMING MOTORISTS OF LANE CLOSURES AND/OR TRAFFIC SHIFTS SHALL BE INSTALLED A MINIMUM OF 2 WEEKS PRIOR TO THE ROAD CLOSURE. THESE SIGNS SHALL BE INSTALLED AT OR AS NEAR AS POSSIBLE TO THE ROAD CLOSURE.
    (SEE SPECIFICATIONS BELOW):

    (ROAD NAME) WILL BE CLOSED TO THRU TRAFFIC
    FROM (SIDE ROAD) TO (SIDE ROAD)
    (DATE) THRU (DATE)
    (REASON FOR CLOSURE)
    FOR INFO CALL (770) 320-6010

15. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PREPARE A MAINTENANCE OF TRAFFIC PLAN FOR APPROVAL BY FAYETTE COUNTY BEFORE STARTING CONSTRUTION. PAYMENT SHALL BE INCLUDED IN THE PRICE FOR TRAFFIC CONTROL. THE CONTRACTOR SHALL CONSTRUCT THE PROJECT IN PHASES TO ALLOW THE ROAD TO REMAIN OPEN FOR TRAFFIC AND GOLF CARTS THROUGHOUT CONSTRUCTION WHILE SCHOOLS ARE IN SESSION. ROAD CLOSURES MAY BE PERMITTED WITH PRIOR APPROVAL FROM FAYETTE COUNTY PROJECT ENGINEER DURING SCHOOL CLOSINGS (BREAKS, SUMMER, ETC.).

16. THE CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS TO ALL DRIVEWAYS AT ALL TIMES.

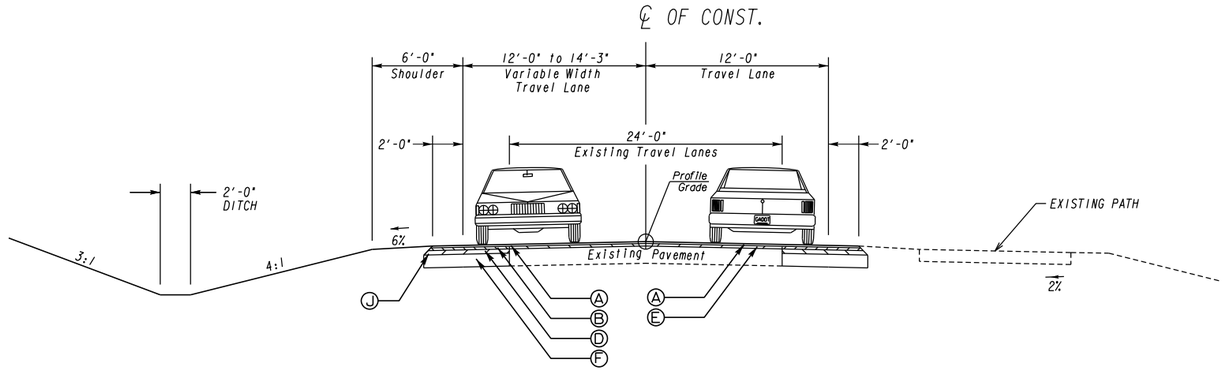
CROY ENGINEERING Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

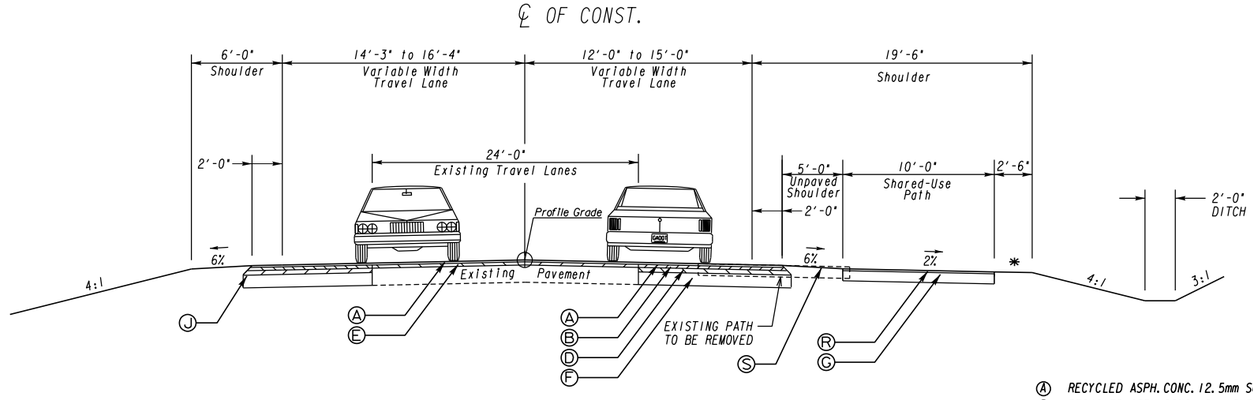
GENERAL NOTES
REDWINE RD, BERNHARD RD & PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		04-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



TS 01
REDWINE ROAD
STA. 100+18.60 TO 101+80.49



TS 02
REDWINE ROAD
STA. 101+80.49 TO 102+71.61

* MINIMUM OF 36" OF SOD BEHIND ALL NEW AND DISTURBED CART PATHS WITHIN PROJECT LIMITS. BEYOND THAT SHALL BE PERMANENT GRASSING EXCEPT FOR PARCEL 5 WHICH SHALL BE ALL SOD

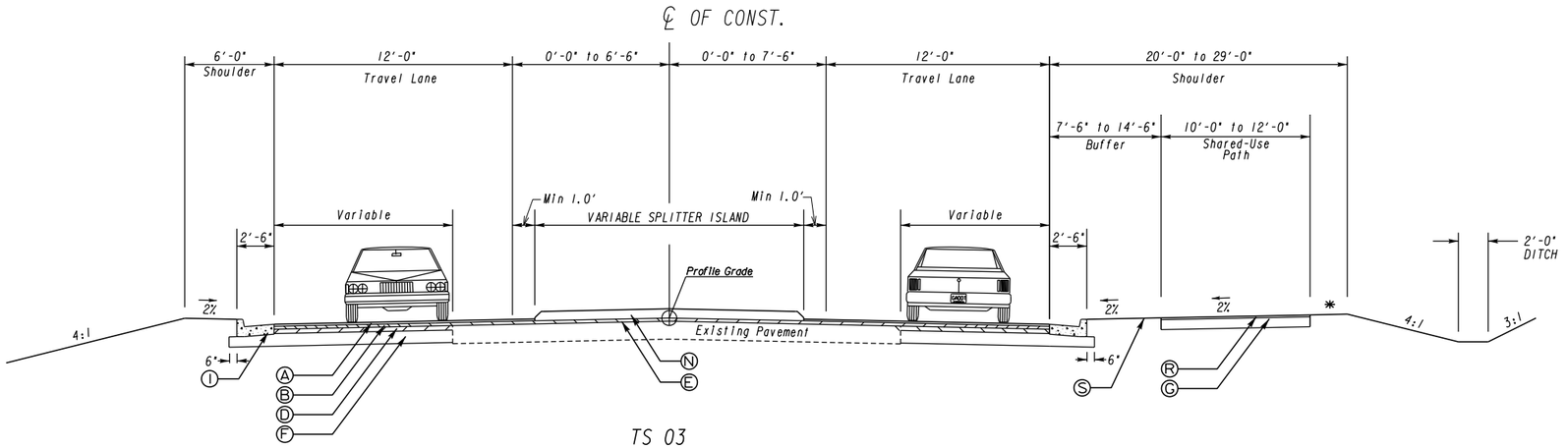
- (A) RECYCLED ASPH. CONC. 12.5mm SUPERPAVE, GP 2, INCL BITUM MATL & LIME (165 LBS/SY)
- (B) RECYCLED ASPH. CONC. 19mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
- (D) RECYCLED ASPH. CONC. 25mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (440 LB/SY)
- (E) RECYCLED ASPH. CONC. LEVELING, INCL BITUM MATL & H LIME, AS REQUIRED
- (F) GRADED AGGREGATE CRS, 10 INCH, INCL MATL
- (G) GRADED AGGREGATE CRS, 4 INCH, INCL MATL
- (I) CONCRETE CURB & GUTTER, 8 IN X 30 IN, TP 2
- (J) SAFETY EDGE PAVEMENT TREATMENT, GA DETAIL P-7
- (K) 8" CONC. SIDEWALK PVMT, GA. DETAIL A-3
- (L) 6" CONC. HEADER CURB, GA STD. 9032B TYPE 7
- (M) 4" CONC. HEADER CURB, GA STD. 9032B TYPE 9
- (N) CONCRETE INTEGRAL MEDIAN, 7.5", TYPE 7 FACE
- (O) PLAIN PC CONC PVMT, CLI CONC, 10 INCH THICK, STAMPED AND COLORED FS 31136- INSIGNIA RED
- (P) CLASS B CONC BASE FOR PAVEMENT WIDENING, MIN 6" THICK
- (Q) CONCRETE CURB & GUTTER, 8 IN X 30 IN, MODIFIED, TP 9 FACE
- (R) 2.0" RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE 1, GP 1 OR BLEND 1, INCL BITUM MATL & H LIME (220 LB/SY)
- (S) SOD

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

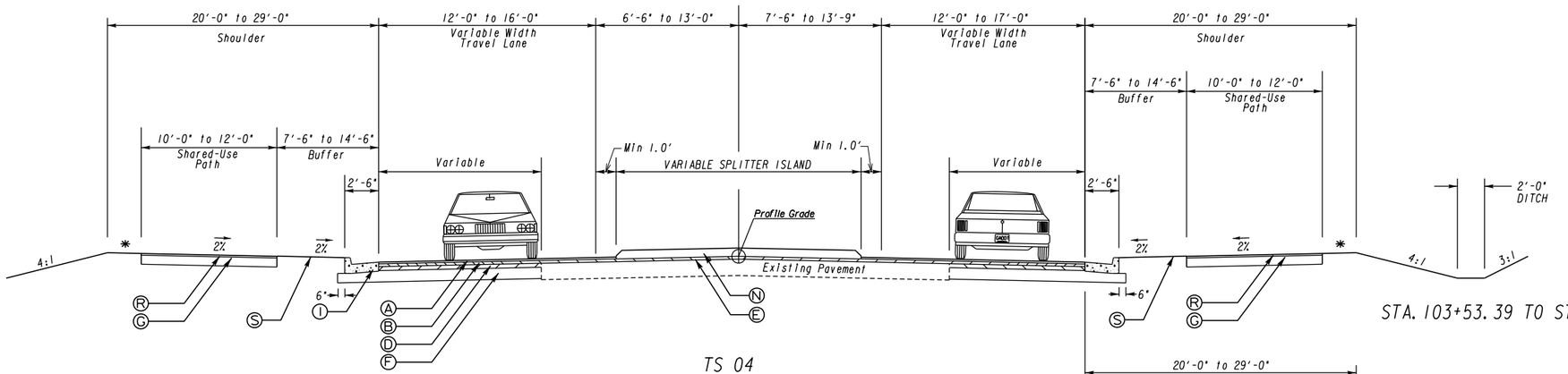
REVISION DATES

TYPICAL SECTIONS
REDWINE RD, BERNHARD RD & PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		05-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

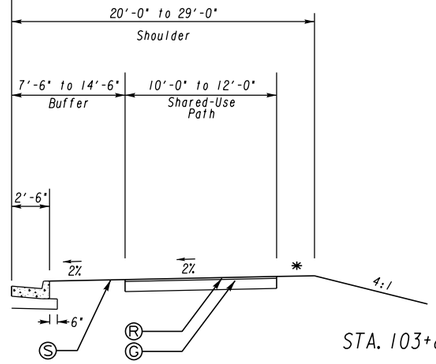


TS 03
REDWINE ROAD
STA. 102+71.61 TO 103+53.39



TS 04
REDWINE ROAD
STA. 103+53.39 TO 105+23.75

STA. 103+53.39 TO STA 103+84.53



STA. 103+84.53 TO 105+23.75

Ⓐ RECYCLED ASPH. CONC. 12.5mm SUPERPAVE, GP 2, INCL BITUM MATL & LIME (165 LBS/SY)
Ⓑ RECYCLED ASPH. CONC. 19mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
Ⓓ RECYCLED ASPH. CONC. 25mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (440 LB/SY)
Ⓔ RECYCLED ASPH. CONC. LEVELING, INCL BITUM MATL & H LIME, AS REQUIRED
Ⓕ GRADED AGGREGATE CRS, 10 INCH, INCL MATL
Ⓖ GRADED AGGREGATE CRS, 4 INCH, INCL MATL
Ⓘ CONCRETE CURB & GUTTER, 8 IN X 30 IN, TP 2
Ⓙ SAFETY EDGE PAVEMENT TREATMENT, GA DETAIL P-7
Ⓚ 8" CONC. SIDEWALK PVMT, GA. DETAIL A-3
Ⓛ 6" CONC. HEADER CURB, GA STD. 9032B TYPE 7
Ⓜ 4" CONC. HEADER CURB, GA STD. 9032B TYPE 9
Ⓝ CONCRETE INTEGRAL MEDIAN, 7.5", TYPE 7 FACE
Ⓞ PLAIN PC CONC PVMT, CLI CONC, 10 INCH THICK, STAMPED AND COLORED FS 31136- INSIGNIA RED
Ⓟ CLASS B CONC BASE FOR PAVEMENT WIDENING, MIN 6" THICK
Ⓠ CONCRETE CURB & GUTTER, 8 IN X 30 IN, MODIFIED, TP 9 FACE
Ⓡ 2.0" RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE 1, GP 1 OR BLEND 1, INCL BITUM MATL & H LIME (220 LB/SY)
Ⓢ SOD

* MINIMUM OF 36" OF SOD BEHIND ALL NEW AND DISTURBED CART PATHS WITHIN PROJECT LIMITS, BEYOND THAT SHALL BE PERMANENT GRASSING EXCEPT FOR PARCEL 5 WHICH SHALL BE ALL SOD

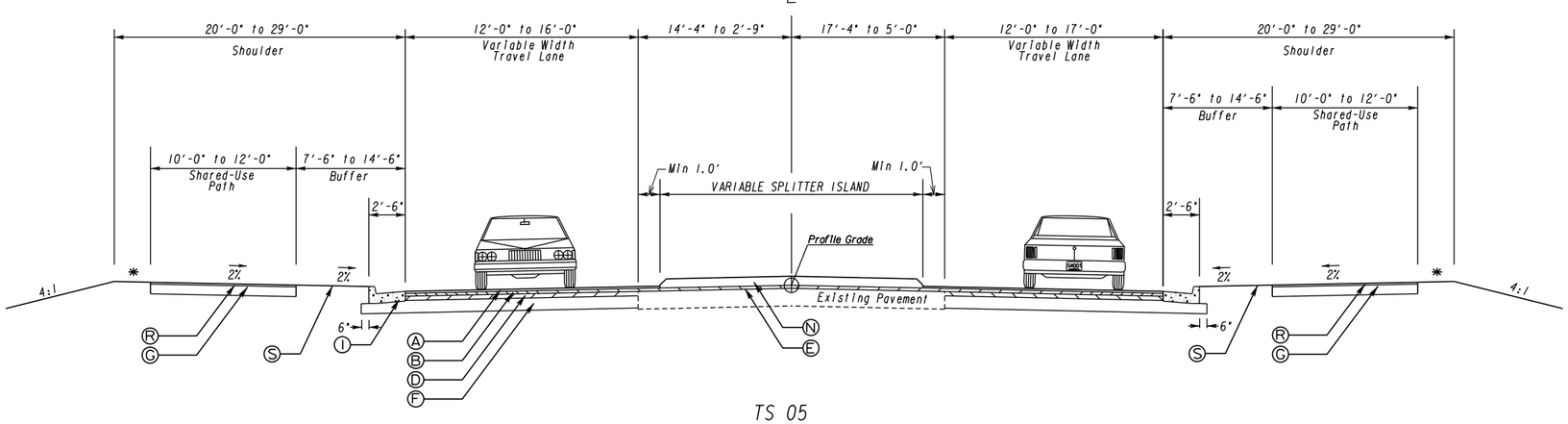
CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

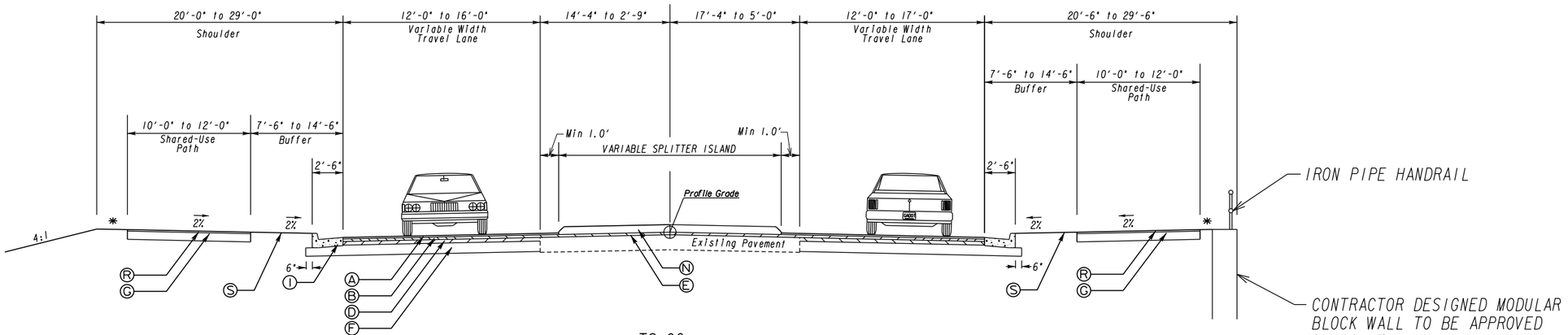
TYPICAL SECTIONS
REDWINE RD, BERNHARD RD & PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		05-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



TS 05
REDWINE ROAD
STA. 106+53.76 TO 106+88.92



TS 06
REDWINE ROAD
STA. 106+88.92 TO 109+14.85

Ⓐ RECYCLED ASPH. CONC. 12.5mm SUPERPAVE, GP 2, INCL BITUM MATL & LIME (165 LBS/SY)
Ⓑ RECYCLED ASPH. CONC. 19mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
Ⓓ RECYCLED ASPH. CONC. 25mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (440 LB/SY)
Ⓔ RECYCLED ASPH. CONC. LEVELING, INCL BITUM MATL & H LIME, AS REQUIRED
Ⓕ GRADED AGGREGATE CRS, 10 INCH, INCL MATL
Ⓖ GRADED AGGREGATE CRS, 4 INCH, INCL MATL
Ⓘ CONCRETE CURB & GUTTER, 8 IN X 30 IN, TP 2
Ⓙ SAFETY EDGE PAVEMENT TREATMENT, GA DETAIL P-7
Ⓚ 8" CONC. SIDEWALK PVMT, GA. DETAIL A-3
Ⓛ 6" CONC. HEADER CURB, GA STD. 9032B TYPE 7
Ⓜ 4" CONC. HEADER CURB, GA STD. 9032B TYPE 9
Ⓝ CONCRETE INTEGRAL MEDIAN, 7.5", TYPE 7 FACE
Ⓞ PLAIN PC CONC PVMT, CLI CONC, 10 INCH THICK, STAMPED AND COLORED FS 31136- INSIGNIA RED
Ⓟ CLASS B CONC BASE FOR PAVEMENT WIDENING, MIN 6" THICK
Ⓠ CONCRETE CURB & GUTTER, 8 IN X 30 IN, MODIFIED, TP 9 FACE
Ⓡ 2.0" RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE 1, GP 1 OR BLEND 1, INCL BITUM MATL & H LIME (220 LB/SY)
Ⓢ SOD

* MINIMUM OF 36" OF SOD BEHIND ALL NEW AND DISTURBED CART PATHS WITHIN PROJECT LIMITS, BEYOND THAT SHALL BE PERMANENT GRASSING EXCEPT FOR PARCEL 5 WHICH SHALL BE ALL SOD

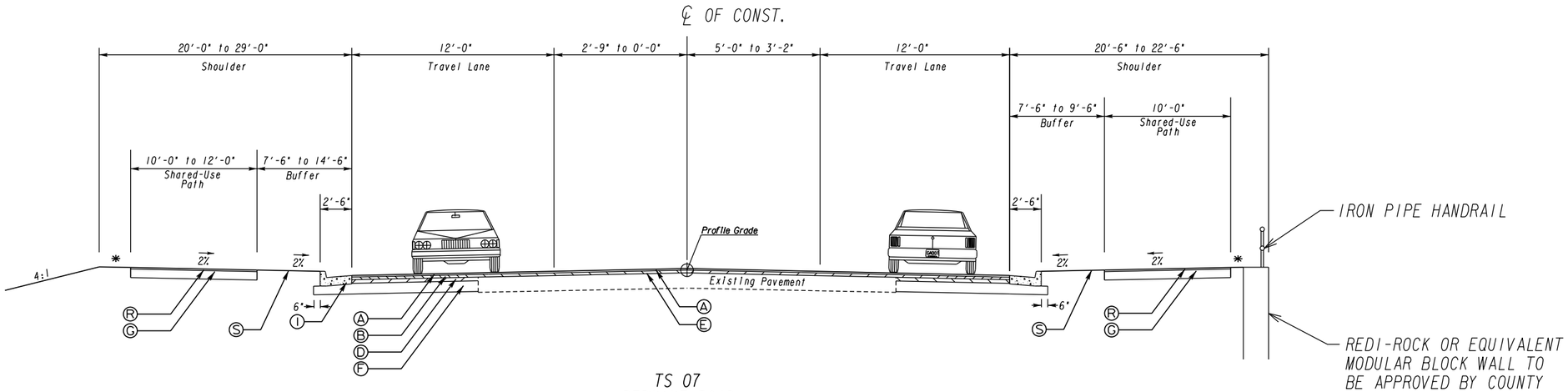
CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

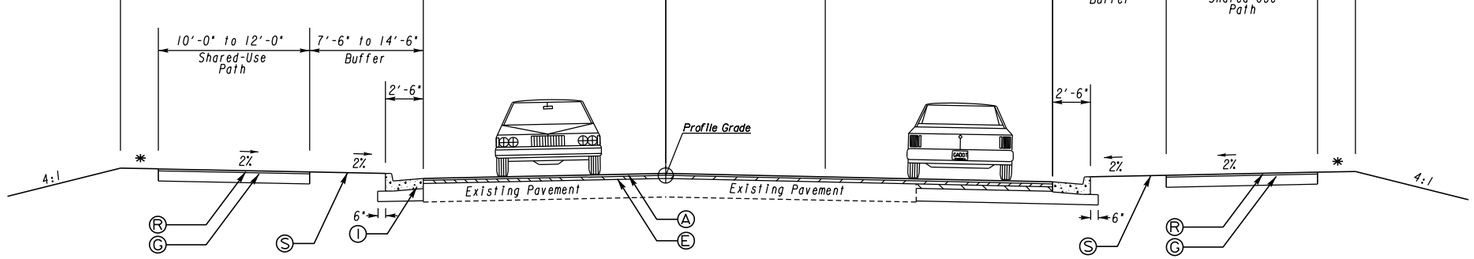
TYPICAL SECTIONS
REDWINE RD, BERNHARD RD &
PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		05-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



TS 07
REDWINE ROAD
STA. 109+14.85 TO 110+01.00



TS 08
REDWINE ROAD
STA. 110+10.01 TO 110+69.87

* MINIMUM OF 36" OF SOD BEHIND ALL NEW AND DISTURBED CART PATHS WITHIN PROJECT LIMITS. BEYOND THAT SHALL BE PERMANENT GRASSING EXCEPT FOR PARCEL 5 WHICH SHALL BE ALL SOD

- (A) RECYCLED ASPH. CONC. 12.5mm SUPERPAVE, GP 2, INCL BITUM MATL & LIME (165 LBS/SY)
- (B) RECYCLED ASPH. CONC. 19mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
- (D) RECYCLED ASPH. CONC. 25mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (440 LB/SY)
- (E) RECYCLED ASPH. CONC. LEVELING, INCL BITUM MATL & H LIME, AS REQUIRED
- (F) GRADED AGGREGATE CRS, 10 INCH, INCL MATL
- (G) GRADED AGGREGATE CRS, 4 INCH, INCL MATL
- (I) CONCRETE CURB & GUTTER, 8 IN X 30 IN, TP 2
- (J) SAFETY EDGE PAVEMENT TREATMENT, GA DETAIL P-7
- (K) 8" CONC. SIDEWALK PVMT, GA. DETAIL A-3
- (L) 6" CONC. HEADER CURB, GA STD. 9032B TYPE 7
- (M) 4" CONC. HEADER CURB, GA STD. 9032B TYPE 9
- (N) CONCRETE INTEGRAL MEDIAN, 7.5", TYPE 7 FACE
- (O) PLAIN PC CONC PVMT, CLI CONC, 10 INCH THICK, STAMPED AND COLORED FS 31136- INSIGNIA RED
- (P) CLASS B CONC BASE FOR PAVEMENT WIDENING, MIN 6" THICK
- (Q) CONCRETE CURB & GUTTER, 8 IN X 30 IN, MODIFIED, TP 9 FACE
- (R) 2.0" RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE 1, GP 1 OR BLEND 1, INCL BITUM MATL & H LIME (220 LB/SY)
- (S) SOD

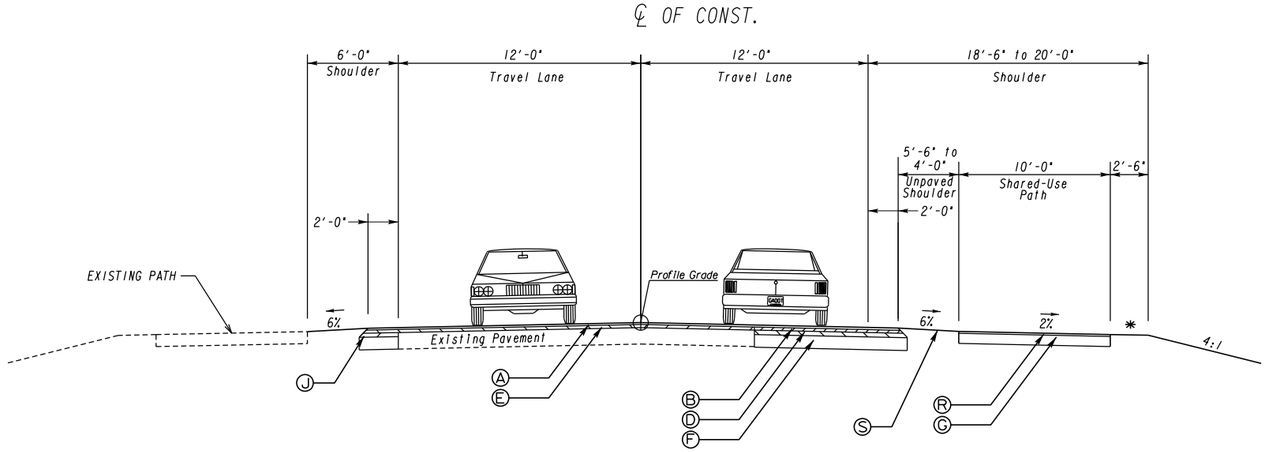
CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

TYPICAL SECTIONS
REDWINE RD, BERNHARD RD & PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		05-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



TS 09
REDWINE ROAD
STA. 110+69.87 TO 112+00.00

* MINIMUM OF 36" OF SOD BEHIND ALL NEW AND DISTURBED CART PATHS WITHIN PROJECT LIMITS, BEYOND THAT SHALL BE PERMANENT GRASSING EXCEPT FOR PARCEL 5 WHICH SHALL BE ALL SOD

(A) RECYCLED ASPH. CONC. 12.5mm SUPERPAVE, GP 2, INCL BITUM MATL & LIME (165 LBS/SY)
(B) RECYCLED ASPH. CONC. 19mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
(D) RECYCLED ASPH. CONC. 25mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (440 LB/SY)
(E) RECYCLED ASPH. CONC. LEVELING, INCL BITUM MATL & H LIME, AS REQUIRED
(F) GRADED AGGREGATE CRS, 10 INCH, INCL MATL
(G) GRADED AGGREGATE CRS, 4 INCH, INCL MATL
(J) CONCRETE CURB & GUTTER, 8 IN X 30 IN, TP 2
(J) SAFETY EDGE PAVEMENT TREATMENT, GA DETAIL P-7
(K) 8" CONC. SIDEWALK PVMT, GA. DETAIL A-3
(L) 6" CONC. HEADER CURB, GA STD. 9032B TYPE 7
(M) 4" CONC. HEADER CURB, GA STD. 9032B TYPE 9
(N) CONCRETE INTEGRAL MEDIAN, 7.5", TYPE 7 FACE
(O) PLAIN PC CONC PVMT, CLI CONC, 10 INCH THICK, STAMPED AND COLORED FS 31136- INSIGNIA RED
(P) CLASS B CONC BASE FOR PAVEMENT WIDENING, MIN 6" THICK
(Q) CONCRETE CURB & GUTTER, 8 IN X 30 IN, MODIFIED, TP 9 FACE
(R) 2.0" RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE 1, GP 1 OR BLEND 1, INCL BITUM MATL & H LIME (220 LB/SY)
(S) SOD

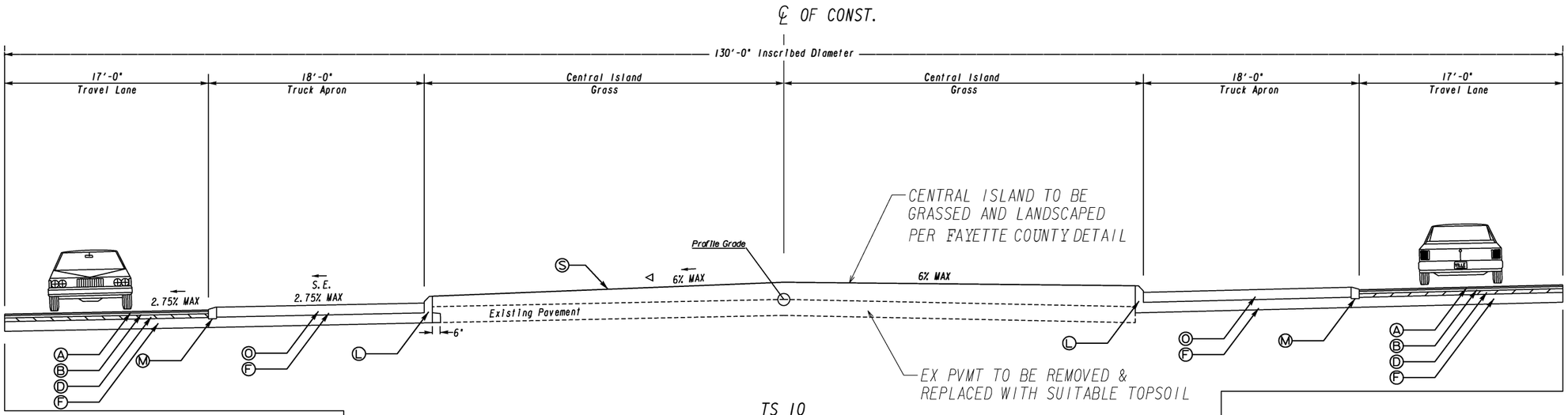
CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

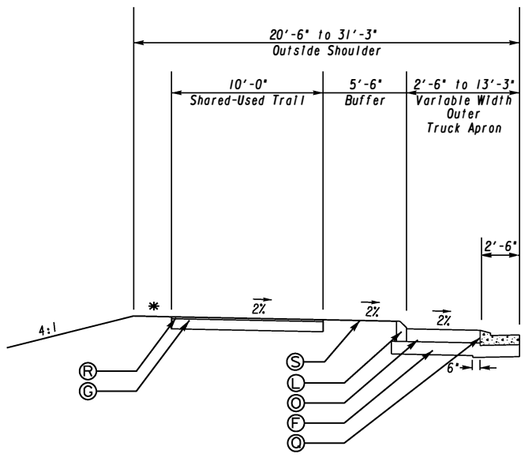
TYPICAL SECTIONS
REDWINE RD, BERNHARD RD &
PEACHTREE PKWY INTERSECTION

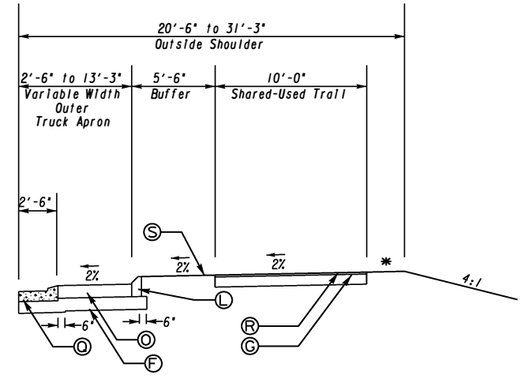
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		05-0005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



TS 10
REDWINE ROAD/ PEACHTREE PKWY EXT./BERNHARD ROAD
STA. 105+23.75 TO 106+53.76
STA. 205+89.19 TO 207+19.21





* MINIMUM OF 36" OF SOD BEHIND ALL NEW AND DISTURBED CART PATHS WITHIN PROJECT LIMITS, BEYOND THAT SHALL BE PERMANENT GRASSING EXCEPT FOR PARCEL 5 WHICH SHALL BE ALL SOD

Ⓐ RECYCLED ASPH. CONC. 12.5mm SUPERPAVE, GP 2, INCL BITUM MATL & LIME (165 LBS/SY)
Ⓑ RECYCLED ASPH. CONC. 19mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
Ⓓ RECYCLED ASPH. CONC. 25mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (440 LB/SY)
Ⓔ RECYCLED ASPH. CONC. LEVELING, INCL BITUM MATL & H LIME, AS REQUIRED
Ⓕ GRADED AGGREGATE CRS, 10 INCH, INCL MATL
Ⓖ GRADED AGGREGATE CRS, 4 INCH, INCL MATL
Ⓘ CONCRETE CURB & GUTTER, 8 IN X 30 IN, TP 2
Ⓙ SAFETY EDGE PAVEMENT TREATMENT, GA DETAIL P-7
Ⓚ 8" CONC. SIDEWALK PVMT, GA. DETAIL A-3
Ⓛ 6" CONC. HEADER CURB, GA STD. 9032B TYPE 7
Ⓜ 4" CONC. HEADER CURB, GA STD. 9032B TYPE 9
Ⓝ CONCRETE INTEGRAL MEDIAN, 7.5", TYPE 7 FACE
Ⓞ PLAIN PC CONC PVMT, CLI CONC, 10 INCH THICK, STAMPED AND COLORED FS 31136- INSIGNIA RED
Ⓟ CLASS B CONC BASE FOR PAVEMENT WIDENING, MIN 6" THICK
Ⓠ CONCRETE CURB & GUTTER, 8 IN X 30 IN, MODIFIED, TP 9 FACE
Ⓡ 2.0" RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE I, GP 1 OR BLEND 1, INCL BITUM MATL & H LIME (220 LB/SY)
Ⓢ SOD

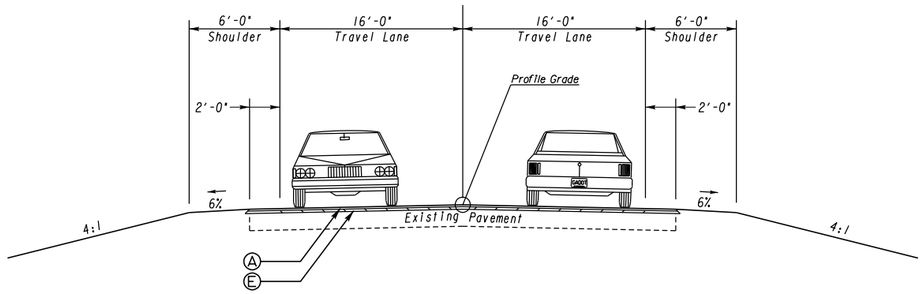
CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

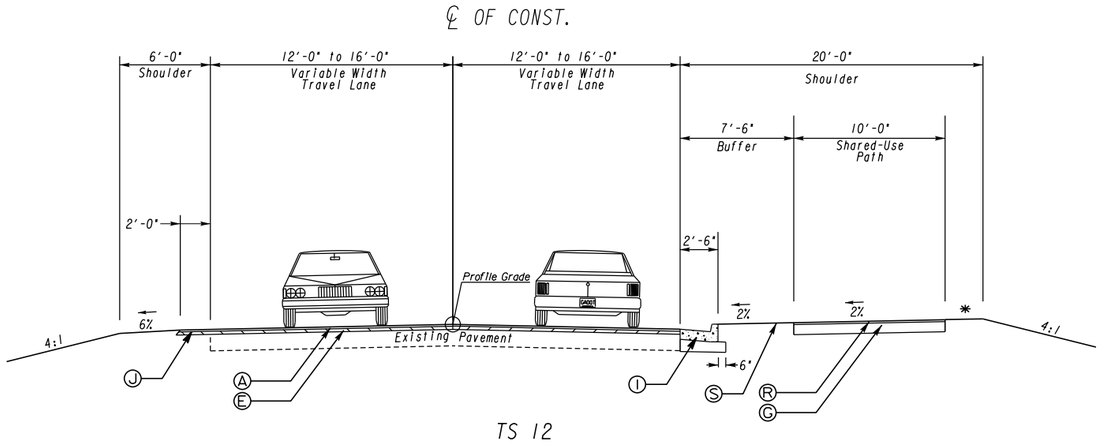
TYPICAL SECTIONS
REDWINE RD, BERNHARD RD & PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		05-0006
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



TS 11
PEACHTREE PKWY EXT./BERNHARD ROAD
STA. 200+25.00 TO 201+83.35



TS 12
PEACHTREE PKWY EXT./BERNHARD ROAD
STA. 201+83.35 TO 202+60.94

* MINIMUM OF 36" OF SOD BEHIND ALL NEW AND DISTURBED CART PATHS WITHIN PROJECT LIMITS. BEYOND THAT SHALL BE PERMANENT GRASSING EXCEPT FOR PARCEL 5 WHICH SHALL BE ALL SOD

- (A) RECYCLED ASPH. CONC. 12.5mm SUPERPAVE, GP 2, INCL BITUM MATL & LIME (165 LBS/SY)
- (B) RECYCLED ASPH. CONC. 19mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
- (D) RECYCLED ASPH. CONC. 25mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (440 LB/SY)
- (E) RECYCLED ASPH. CONC. LEVELING, INCL BITUM MATL & H LIME, AS REQUIRED
- (F) GRADED AGGREGATE CRS, 10 INCH, INCL MATL
- (G) GRADED AGGREGATE CRS, 4 INCH, INCL MATL
- (I) CONCRETE CURB & GUTTER, 8 IN X 30 IN, TP 2
- (J) SAFETY EDGE PAVEMENT TREATMENT, GA DETAIL P-7
- (K) 8" CONC. SIDEWALK PVMT, GA. DETAIL A-3
- (L) 6" CONC. HEADER CURB, GA STD. 9032B TYPE 7
- (M) 4" CONC. HEADER CURB, GA STD. 9032B TYPE 9
- (N) CONCRETE INTEGRAL MEDIAN, 7.5", TYPE 7 FACE
- (O) PLAIN PC CONC PVMT, CLI CONC, 10 INCH THICK, STAMPED AND COLORED FS 31136- INSIGNIA RED
- (P) CLASS B CONC BASE FOR PAVEMENT WIDENING, MIN 6" THICK
- (Q) CONCRETE CURB & GUTTER, 8 IN X 30 IN, MODIFIED, TP 9 FACE
- (R) 2.0" RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE I, GP 1 OR BLEND 1, INCL BITUM MATL & H LIME (220 LB/SY)
- (S) SOD

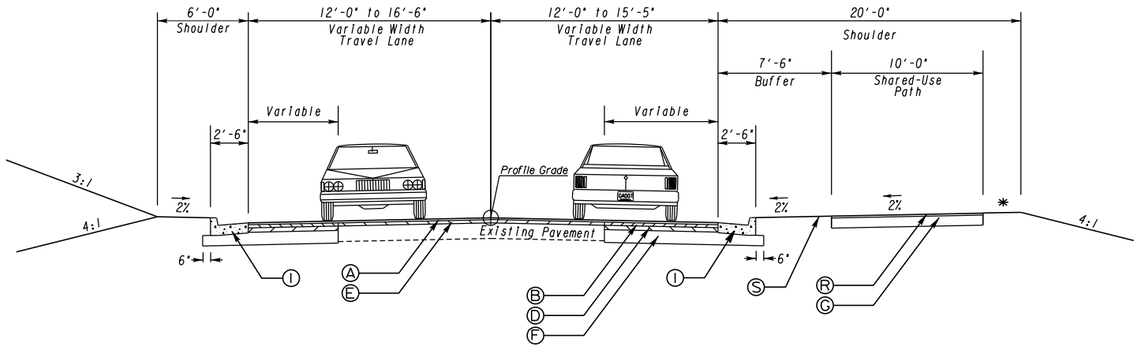
CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

TYPICAL SECTIONS
REDWINE RD, BERNHARD RD & PEACHTREE PKWY INTERSECTION

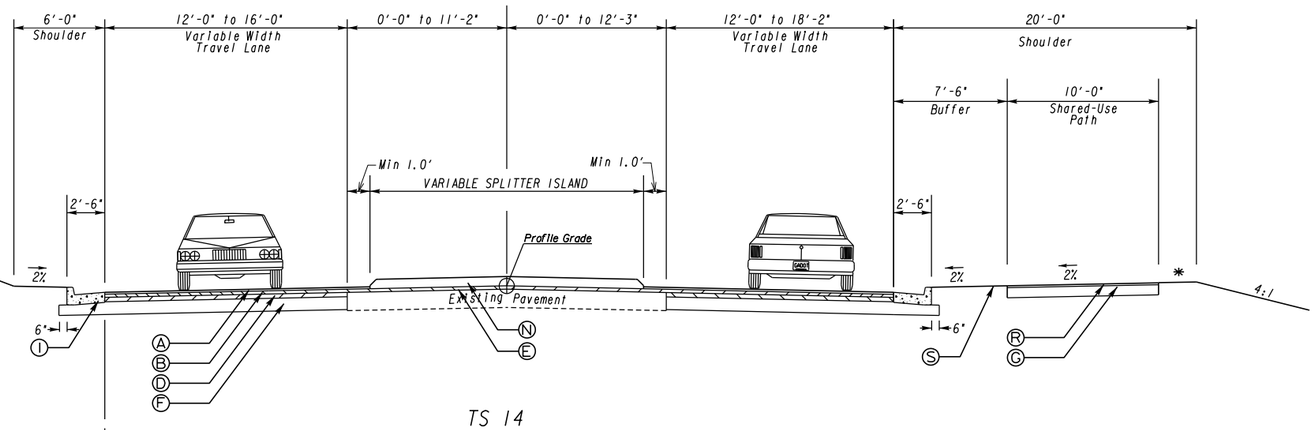
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		05-0007
VERIFIED:		DATE:		

℄ OF CONST.

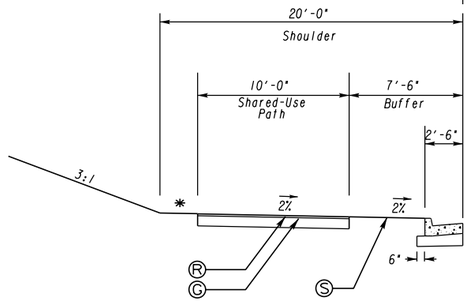


TS 13
PEACHTREE PKWY/BERNHARD ROAD
STA. 202+60.94 TO 203+49.25

℄ OF CONST.



TS 14
PEACHTREE PKWY EXT./BERNHARD ROAD
STA. 203+49.25 TO 205+50.00



STA. 204+29.33 TO 205+50.00

* MINIMUM OF 36" OF SOD BEHIND ALL NEW AND DISTURBED CART PATHS WITHIN PROJECT LIMITS, BEYOND THAT SHALL BE PERMANENT GRASSING EXCEPT FOR PARCEL 5 WHICH SHALL BE ALL SOD

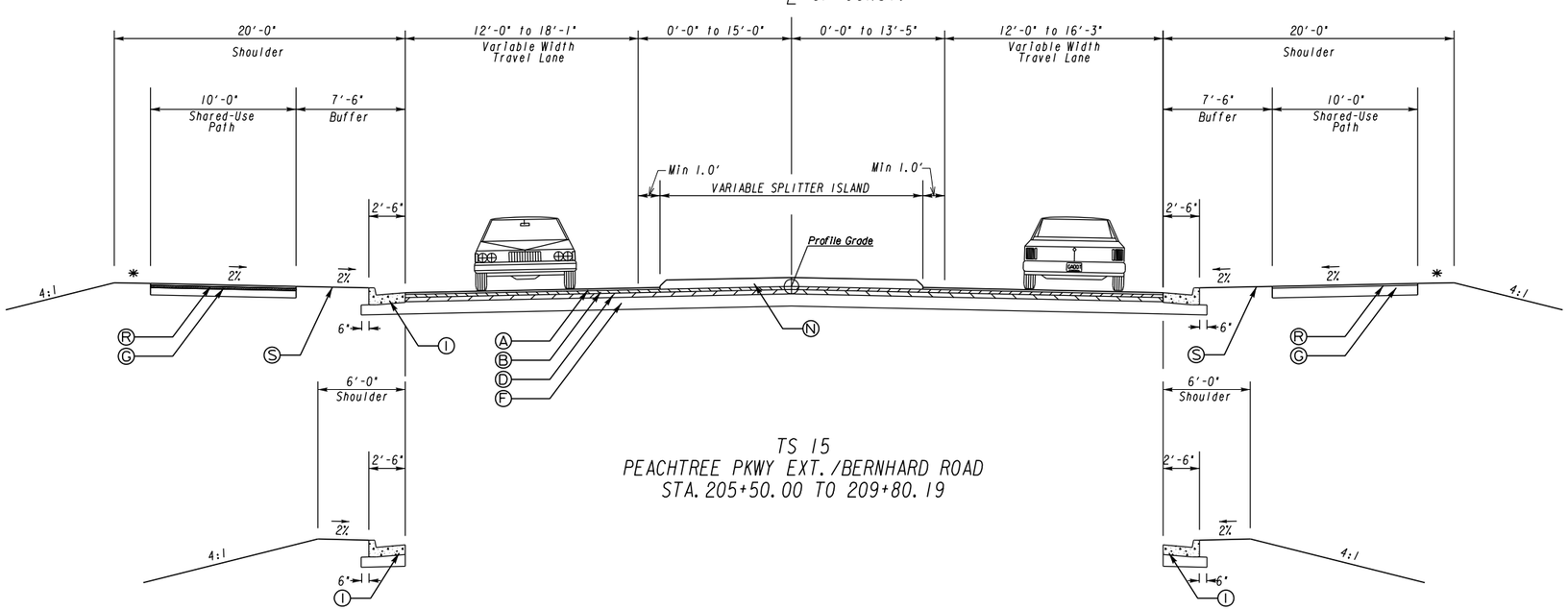
(A) RECYCLED ASPH. CONC. 12.5mm SUPERPAVE, GP 2, INCL BITUM MATL & LIME (165 LBS/SY)
(B) RECYCLED ASPH. CONC. 19mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
(D) RECYCLED ASPH. CONC. 25mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (440 LB/SY)
(E) RECYCLED ASPH. CONC. LEVELING, INCL BITUM MATL & H LIME, AS REQUIRED
(F) GRADED AGGREGATE CRS, 10 INCH, INCL MATL
(G) GRADED AGGREGATE CRS, 4 INCH, INCL MATL
(I) CONCRETE CURB & GUTTER, 8 IN X 30 IN, TP 2
(J) SAFETY EDGE PAVEMENT TREATMENT, GA DETAIL P-7
(K) 8" CONC. SIDEWALK PVMT, GA. DETAIL A-3
(L) 6" CONC. HEADER CURB, GA STD. 9032B TYPE 7
(M) 4" CONC. HEADER CURB, GA STD. 9032B TYPE 9
(N) CONCRETE INTEGRAL MEDIAN, 7.5", TYPE 7 FACE
(O) PLAIN PC CONC PVMT, CLI CONC, 10 INCH THICK, STAMPED AND COLORED FS 31136- INSIGNIA RED
(P) CLASS B CONC BASE FOR PAVEMENT WIDENING, MIN 6" THICK
(Q) CONCRETE CURB & GUTTER, 8 IN X 30 IN, MODIFIED, TP 9 FACE
(R) 2.0" RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE 1, GP 1 OR BLEND 1, INCL BITUM MATL & H LIME (220 LB/SY)
(S) SOD

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

TYPICAL SECTIONS
REDWINE RD, BERNHARD RD & PEACHTREE PKWY INTERSECTION

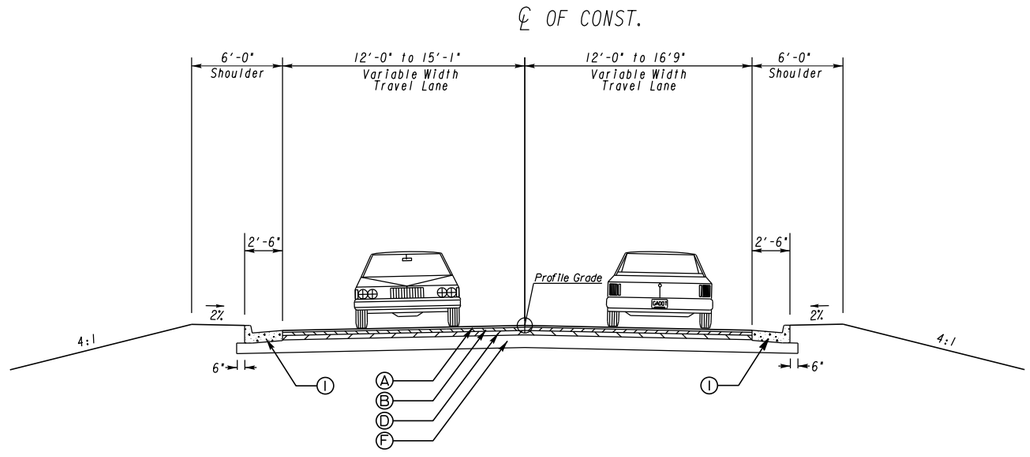
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		05-0008
VERIFIED:		DATE:		



TS 15
PEACHTREE PKWY EXT./BERNHARD ROAD
STA. 205+50.00 TO 209+80.19

STA. 208+91.43 TO 209+80.19

STA. 208+91.43 TO 209+80.19



TS 16
PEACHTREE PKWY EXT./BERNHARD ROAD
STA. 209+80.19 TO 210+50.00

* MINIMUM OF 36" OF SOD BEHIND ALL NEW AND DISTURBED CART PATHS WITHIN PROJECT LIMITS, BEYOND THAT SHALL BE PERMANENT GRASSING EXCEPT FOR PARCEL 5 WHICH SHALL BE ALL SOD

(A) RECYCLED ASPH. CONC. 12.5mm SUPERPAVE, GP 2, INCL BITUM MATL & LIME (165 LBS/SY)
(B) RECYCLED ASPH. CONC. 19mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
(D) RECYCLED ASPH. CONC. 25mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (440 LB/SY)
(E) RECYCLED ASPH. CONC. LEVELING, INCL BITUM MATL & H LIME, AS REQUIRED
(F) GRADED AGGREGATE CRS, 10 INCH, INCL MATL
(G) GRADED AGGREGATE CRS, 4 INCH, INCL MATL
(I) CONCRETE CURB & GUTTER, 8 IN X 30 IN, TP 2
(J) SAFETY EDGE PAVEMENT TREATMENT, GA DETAIL P-7
(K) 8" CONC. SIDEWALK PVMT, GA. DETAIL A-3
(L) 6" CONC. HEADER CURB, GA STD. 9032B TYPE 7
(M) 4" CONC. HEADER CURB, GA STD. 9032B TYPE 9
(N) CONCRETE INTEGRAL MEDIAN, 7.5", TYPE 7 FACE
(O) PLAIN PC CONC PVMT, CLI CONC, 10 INCH THICK, STAMPED AND COLORED FS 31136- INSIGNIA RED
(P) CLASS B CONC BASE FOR PAVEMENT WIDENING, MIN 6" THICK
(Q) CONCRETE CURB & GUTTER, 8 IN X 30 IN, MODIFIED, TP 9 FACE
(R) 2.0" RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE 1, GP 1 OR BLEND 1, INCL BITUM MATL & H LIME (220 LB/SY)
(S) SOD

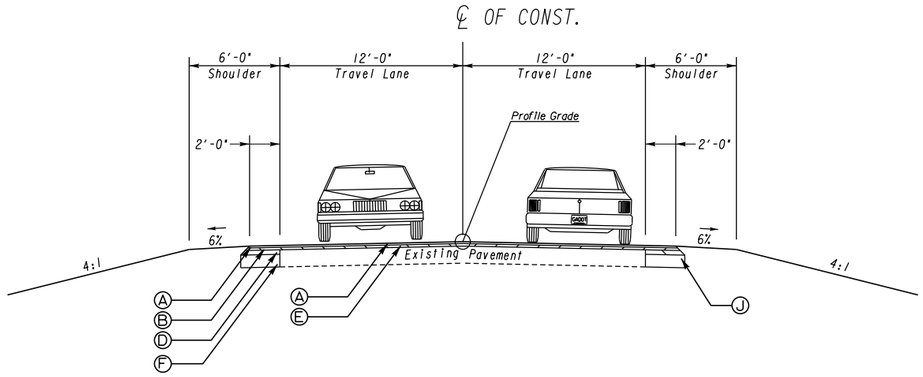
CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

TYPICAL SECTIONS
REDWINE RD, BERNHARD RD &
PEACHTREE PKWY INTERSECTION

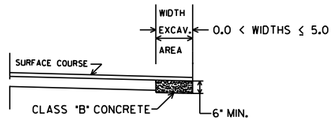
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		05-0009
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



TS 17
PEACHTREE PKWY EXT./BERNHARD ROAD
STA. 210+50.00 TO 211+97.72

Ⓐ RECYCLED ASPH. CONC. 12.5mm SUPERPAVE, GP 2, INCL BITUM MATL & LIME (165 LBS/SY)
Ⓑ RECYCLED ASPH. CONC. 19mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
Ⓓ RECYCLED ASPH. CONC. 25mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (440 LB/SY)
Ⓔ RECYCLED ASPH. CONC. LEVELING, INCL BITUM MATL & H LIME, AS REQUIRED
Ⓕ GRADED AGGREGATE CRS, 10 INCH, INCL MATL
Ⓖ GRADED AGGREGATE CRS, 4 INCH, INCL MATL
Ⓘ CONCRETE CURB & GUTTER, 8 IN X 30 IN, TP 2
Ⓙ SAFETY EDGE PAVEMENT TREATMENT, GA DETAIL P-7
Ⓚ 8" CONC. SIDEWALK PVMT, GA. DETAIL A-3
Ⓛ 6" CONC. HEADER CURB, GA STD. 9032B TYPE 7
Ⓜ 4" CONC. HEADER CURB, GA STD. 9032B TYPE 9
Ⓝ CONCRETE INTEGRAL MEDIAN, 7.5", TYPE 7 FACE
Ⓞ PLAIN PC CONC PVMT, CLI CONC, 10 INCH THICK, STAMPED AND COLORED FS 31136- INSIGNIA RED
Ⓟ CLASS B CONC BASE FOR PAVEMENT WIDENING, MIN 6" THICK
Ⓠ CONCRETE CURB & GUTTER, 8 IN X 30 IN, MODIFIED, TP 9 FACE
Ⓡ 2.0" RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE I, GP I OR BLEND I, INCL BITUM MATL & H LIME (220 LB/SY)
Ⓢ SOD



NO SCALE
CLASS "B" CONCRETE BASE OR PAVEMENT WIDENING
Item Code 500-9999 - Cu. Yds.

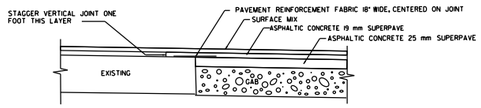
In excavated areas between the existing paving and new curb and gutter that are 5'-0" or less in width, Class "B" concrete shall be placed in lieu of the base and paving specified by the typical section. Payment will be made under "Class B Concrete Base and Pavement Widening".

In excavated areas greater than 5'-0" in width, the Contractor shall place base and paving as specified on the typical section.

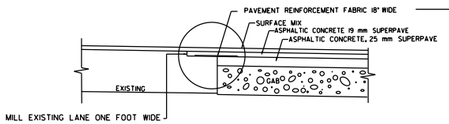
See plans for details of curb and gutter construction.

CLASS "B" CONCRETE BASE OR WIDENING DETAIL

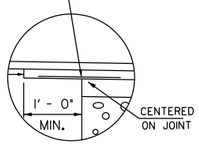
TYPICAL SECTION DETAIL TO BE USED WHEN
EXISTING PAVEMENT IS TO BE RESURFACED WITH
TWO INCHES OR MORE OF ASPHALTIC CONCRETE



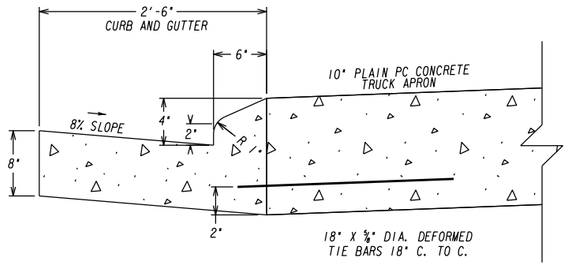
TYPICAL SECTION DETAIL TO BE USED WHEN
EXISTING PAVEMENT IS TO BE RESURFACED WITH
LESS THAN TWO INCHES OF ASPHALTIC CONCRETE



MILL EXISTING LANE ONE FOOT WIDE TO DEPTH OF ADJOINING LAYER TO BE PLACED. COST OF MILLING FOR THIS WORK TO BE INCLUDED IN THE UNIT PRICE BID FOR PAVEMENT REINFORCING FABRIC.



PAVEMENT REINFORCING STRIP DETAIL



SLIP LANE TRUCK APRON
CURB & GUTTER DETAIL

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

TYPICAL SECTIONS
REDWINE RD, BERNHARD RD &
PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		05-0010
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

SUMMARY OF QUANTITIES

ROADWAY QUANTITIES

ROADWAY NAME	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE 1, GP 1 OR BLEND 1, INCL BITUM MATL & H LIME	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	GR AGGR BASE CRS, 10 INCH, INCL MATL	GR AGGR BASE CRS, 4 INCH, INCL MATL	CONCRETE MEDIAN, 7 1/2 IN	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	CONC CURB & GUTTER, 8 IN X 30 IN, TP 9	CONCRETE HEADER CURB, 6 IN, TP 7	CONCRETE HEADER CURB, 4 IN, TP 9	PLN PC CONC PVMT/CLIC/ 10" TK-TRUCK APRON	CLASS B CONC, BASE OR PVMT WIDENING	TACK COAT
	TN	TN	TN	TN	TN	SY	SY	SY	LF	LF	LF	LF	SY	CY	GL
REDWINE RD		277	111	222	137	1612		529	1092	261	244			93	269
PEACHTREE PKWY		175	14	27	102	676		238	616	144	133			22	118
BERNHARD RD		129	128	255	15	1857		262	537	128	121			2	194
ROUNDABOUT		132	176	352	100	2455					186	302	728		240
SHARED-USE PATH	342						3107								269
TOTAL	342	713	429	856	354	6600	3107	1029	2245	533	684	302	728	117	1090

PAVEMENT MARKING QUANTITIES

ROADWAY NAME	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	THERMOPLASTIC SKIP TRAF STRIPE, 18 IN, WHITE	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	THERMOPLASTIC TRAF STRIPING, YELLOW	THERMOPLASTIC TRAF STRIPING, WHITE	SOLID TRAFFIC STRIPE, 12 IN, WHITE	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	SKIP TRAFFIC STRIPE, 5 IN, YELLOW	RAISED PVMT MARKERS TP 1
	LF	LF	LF	GLF	LF	SY	SY	LF	LF	GLF	EA
REDWINE RD	2297	1348	272			135					70
PEACHTREE PKWY	1006	823	136			60	62				34
BERNHARD RD	1000	751	136			38					28
LONGMEAD DR			40		15						
ROUNDABOUT	123	302		142			204				
SHARED-USE PATH								61	90	2346	
TOTAL	4426	3224	584	142	15	233	266	61	90	2346	132

TRAFFIC CONTROL -		
TOTAL	1	LS

GRADING COMPLETE -		
TOTAL	1	LS

RIGHT OF WAY MARKERS		
TOTAL	25	EA

REMOVE FENCE		
TOTAL	550	LF

RESET FENCE		
TOTAL	550	LF

CONTRACTOR DESIGNED MODULAR BLOCK WALL		
TOTAL	307	LF

PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH		
TOTAL	198	LF

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

SUMMARY QUANTITIES

REDWINE RD, PEACHTREE PKWY INTERSECTION

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

DRAWING No. 06-0001

SUMMARY OF QUANTITIES

DRAINAGE ITEMS

STRUCTURE NUMBER	LOCATION	PIPE		FLARED END SECTION	CONC HEADWALLS	CATCH BASINS		RECONSTRUCT MISC. DRAINAGE STRUCTURE	DROP INLET, GP 1, 1019A, *, 1019D, 9031-S, D-4, & 5001M	MANHOLES		CONC SPILLWAY, TP 3 GA STD 9013
		STORM DRAIN H 1-10 18"	SIDE DRAIN H 1-10 18"	18" STORM DRAIN		CATCH BASIN GP 1, GA STD 1033D, 1034D, & 1034G	CATCH BASIN, GP 1, ADDL DEPTH			STORM SEWER MANHOLE, TP 1	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 1	
		LIN FT	LIN FT	EACH	CY	EACH	LF	EA	EA	EA	LF	EA
C-0.0	109+11.74			1								
C-1.0	109+11.74	39				1						
C-2.0	108+23.82	84				1						
C-3.0	108+23.82	24				1						
C-4.0	106+91.16	129				1						
D-0.0	201+19.19				1							
D-1.0	202+19.76		100			1						
D-2.0	204+48.38	225								1	2	
D-3.0	204+48.38	16				1	1					
D-3.1	205+26.37	74				1						
D-3.1.1	205+15.54		40						1			
D-3.2	205+39.74		41						1			
D-4.0	204+48.07	23				1						
E-0.0	211+03.36			1								
E-1.0	210+04.08	8				1						
E-2.0	208+71.87	130								1	2	
E-3.0	208+71.87	19				1	1					
E-4.0	208+71.87	24				1						
E-5.0	207+53.96	112				1						
E-5.1	105+15.87	131				1						
E-5.2	104+45.75	69				1						
E-5.2.1	104+45.85	20				1						
E-5.3	103+43.29	99				1						
E-5.4	103+43.33	23				1						
E-6.0	207+50.06	20								1		
E-6.1	207+19.12	26				1						
E-7.0	207+45.40	21							2			

DRAINAGE ITEMS

STRUCTURE NUMBER	LOCATION	PIPE		FLARED END SECTION	CONC HEADWALLS	CATCH BASINS		RECONSTRUCT MISC. DRAINAGE STRUCTURE	DROP INLET, GP 1, 1019A, *, 1019D, 9031-S, D-4, & 5001M	MANHOLES		CONC SPILLWAY, TP 3 GA STD 9013
		STORM DRAIN H 1-10 18"	SIDE DRAIN H 1-10 18"	18" STORM DRAIN		CATCH BASIN GP 1, GA STD 1033D, 1034D, & 1034G	CATCH BASIN, GP 1, ADDL DEPTH			STORM SEWER MANHOLE, TP 1	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 1	
		LIN FT	LIN FT	EACH	CY	EACH	LF	EA	EA	EA	LF	EA
F-1.0	111+89.75							1				
F-2.0	110+60.70							1				
F-3.0	110+08.37							1				
F-4.0	109+82.65	22				1						
F-5.0	109+56.72	22				1						
G-0.0	202+86.50											1
1-0.0	209+91.19											1
TOTAL		1360	181	2	1	20	2	3	4	3	4	2

TEMPORARY EROSION CONTROL

ITEM	UNIT	QTY
TEMPORARY SILT FENCE, TYPE C	LF	3999
MAINTENANCE OF TEMPORARY SILT FENCE, TP C	LF	2000
CONSTRUCT AND REMOVE TEMPORARY SEDIMENT BARRIER OR BALED STRAW CHECK DAM	LF	65
MAINTENANCE OF SEDIMENT BARRIER - BALED STRAW	LF	65
CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	EA	27
MAINTENANCE OF INLET SEDIMENT TRAP	EA	27
CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	EA	3
MAINTENANCE OF SILT CONTROL GATE, TP 3	EA	3
CONSTRUCT AND REMOVE RIP RAP CHECK DAMS, STONE PLAIN RIP RAP/SAND BAGS	EA	7
MAINTENANCE OF CHECK DAMS - ALL TYPES	LF	35
MULCH	TN	44
TEMPORARY GRASSING	AC	1
FERTILIZER MIXED GRADE	TN	1
CONSTRUCT AND REMOVE CONSTRUCTION EXITS	EA	4
MAINTENANCE OF CONSTRUCTION EXIT	EA	4

PERMANENT EROSION CONTROL

ITEM	UNIT	QTY
PERMANENT GRASSING	AC	2
MULCH	TN	6
AGRICULTURAL LIME	TN	4
LIQUID LIME	GAL	5
FERTILIZER NITROGEN CONTENT	LB	100
STN DUMPED RIP RAP, TP 3, 12 IN	SY	45
PLASTIC FILTER FABRIC	SY	45
SOD	SY	2280

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

SUMMARY QUANTITIES

REDWINE RD, PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	06-0002
VERIFIED:		DATE:	

SUMMARY OF QUANTITIES

ROADWAY SIGN QUANTITIES

INSTL. NO.	STATION	SIDE	ROADWAY	SIGN CODE	HIGHWAY SIGNS									SQUARE TUBE POST					
					HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9			HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9			HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11			TYPE 7			TYPE 8		
					SIZE	QUANTITY	SF	SIZE	QUANTITY	SF	SIZE	QUANTITY	SF	LENGTH	QUANTITY	TOTAL	LENGTH	QUANTITY	TOTAL
1	100+50.00	LT	REDWINE	R2-1	24X30	1	5.00							12	1	12			
2	100+50.00	RT	REDWINE	W3-5							36X36	1	9.00	13	1	13			
3	102+47.40	RT	REDWINE	W2-6							30X30	1	6.25				14	2	28
				W16-8aP *1				18X58	1	7.25									
				W13-1P							18X18	1	2.25						
4	102+81.99	LT	REDWINE	R4-7	24X30	1	5.00							12	1	12			
5	103+48.05	RT	REDWINE	SPECIAL DESIGN SIGN *4							30X30	1	6.25	13	1	13			
				W16-7P							24X12	1	2.00						
6	103+52.23	LT	REDWINE	R1-1							18X18	1	2.25	7	1	7			
7	103+72.80	RT	REDWINE	R1-1							18X18	1	2.25	7	1	7			
8	103+74.87	LT	REDWINE	SPECIAL DESIGN SIGN *4							30X30	1	6.25	13	1	13			
				W16-7P							24x12	1	2						
9	104+98.53	RT	REDWINE	R1-2							36X36X36	1	4.5	12	1	12			
10	105+68.88	RT	REDWINE	R6-4	30X24	1	5.00							12	1	12			
11	105+79.02	LT	REDWINE	R6-4	30X24	1	5.00							12	1	12			
12	105+97.70	RT	REDWINE	R6-4	30X24	1	5.00							12	1	12			
13	106+09.61	LT	REDWINE	R6-4	30X24	1	5.00							12	1	12			
14	106+80.21	LT	REDWINE	R1-2							36X36X36	1	4.50	12	1	12			
15	108+24.77	LT	REDWINE	R1-1							18X18	1	2.25	7	1	7			
16	108+17.66	RT	REDWINE	SPECIAL DESIGN SIGN *4							30X30	1	6.25	13	1	13			
				W16-7P							24X12	1	2.00						
17	108+47.62	RT	REDWINE	R1-1							18X18	1	2.25	7	1	7			
18	108+47.65	LT	REDWINE	SPECIAL DESIGN SIGN *4							30X30	1	6.25	13	1	13			
				W16-7P							24X12	1	2.00						
19	109+04.36	RT	REDWINE	R4-7	24X30	1	5.00							12	1	12			
20	109+48.26	LT	REDWINE	W2-6							30X30	1	6.25				14	2	28
				W16-8aP *2				18X58	1	7.25									
				W13-1P							18X18	1	2.25						
21	111+50.00	LT	REDWINE	W3-5							36X36	1	9.00	13	1	13			
22	111+87.10	RT	REDWINE	R2-1	24X30	1	5.00							12	1	12			
23	200+50.00	LT	PEACHTREE	R2-1	24X30	1	5.00							12	1	12			
24	200+94.15	RT	PEACHTREE	W3-5							36X36	1	9.00	13	1	13			
25	202+07.61	RT	PEACHTREE	R1-1							18X18	1	2.25	7	1	7			
26	202+95.57	RT	PEACHTREE	W2-6							30X30	1	6.25				14	2	28
				W16-8P *3				9X39	1	3.00									
				W13-1P							18X18	1	2.25						

* FOR SPECIAL DESIGN SIGN DETAILS SEE SHEET 26-0006

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

SUMMARY QUANTITIES

REDWINE RD, PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		06-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

SUMMARY OF QUANTITIES

ROADWAY SIGN QUANTITIES

INSTL. NO.	STATION	SIDE	ROADWAY	SIGN CODE	HIGHWAY SIGNS									SQUARE TUBE POST					
					HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9			HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9			HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11			TYPE 7			TYPE 8		
					SIZE	QUANTITY	SF	SIZE	QUANTITY	SF	SIZE	QUANTITY	SF	LENGTH	QUANTITY	TOTAL	LENGTH	QUANTITY	TOTAL
27	203+59.73	LT	PEACHTREE	R4-7	24X30	1	5.00							12	1	12			
28	204+13.48	RT	PEACHTREE	SPECIAL DESIGN SIGN *4							30X30	1	6.25	13	1	13			
				W16-7P							24X12	1	2.00						
29	204+26.03	LT	PEACHTREE	R1-1							18X18	1	2.25	7	1	7			
30	204+45.76	RT	PEACHTREE	R1-1							18X18	1	2.25	7	1	7			
31	204+55.02	LT	PEACHTREE	SPECIAL DESIGN SIGN *4							30X30	1	6.25	13	1	13			
				W16-7P							24X12	1	2.00						
32	205+65.54	RT	PEACHTREE	R1-2							36X36X36	1	4.50	12	1	12			
33	207+43.29	RT	BERNHARD	R1-2							36X36X36	1	4.50	12	1	12			
34	208+68.77	RT	BERNHARD	SPECIAL DESIGN SIGN *4							30X30	1	6.25	13	1	13			
				W16-7P							24X12	1	2.00						
35	208+74.04	LT	BERNHARD	R1-1							18X18	1	2.25	7	1	7			
36	208+94.45	RT	BERNHARD	R1-1							18X18	1	2.25	7	1	7			
37	208+99.35	LT	BERNHARD	SPECIAL DESIGN SIGN *4							30X30	1	6.25	13	1	13			
				W16-7P							24X12	1	2.00						
38	209+69.69	RT	BERNHARD	R4-7	24X30	1	5.00							12	1	12			
39	210+28.95	LT	BERNHARD	W2-6							30X30	1	6.25	13	1	13			
				W16-8P *3				9X39	1	3.00							14	2	14
				W13-1P							18X18	1	2.25						
40	211+50.00	RT	BERNHARD	R2-1	24X30	1	5.00							12	1	12			
41	212+09.81	LT	BERNHARD	W3-5							36X36	1	9.00	13	1	13			
				TOTAL			60.00			20.50			174.25			424.00			98.00

* FOR SPECIAL DESIGN SIGN DETAILS SEE SHEET 26-0006

WATER LINE ITEMS		
WATER MAIN, 12 IN	2190	LF
CUT & PLUG EXISTING WATER MAIN	3	EA
GATE VALVE, 12 IN	14	EA
VALVE MARKER	14	EA
REMOVE WATER MAIN, 12 IN	50	LF
CONNECT TO EX. 12" WATER LINE	3	EA
FIRE HYDRANT	4	EA
CONCRETE THRUST BLOCK	15	CY
STEEL CASING, 20 IN	140	LF

WATER QUALITY MONITORING AND SAMPLING		
TOTAL	4	EA

WATER QUALITY INSPECTIONS		
TOTAL	12	MO

CONDUIT, RIGID, 2 IN *		
TOTAL	165	LF

* INSTALLATION ONLY

LANDSCAPING		
ITEM	UNIT	QTY
SOD	SY	143
CRATAEGUS VIRIDIS - WINTER KING	EA	3
ILEX VOMITORIA NANA -	EA	120
SPRING APPLICATION FERTILIZER	LB	50
LANDSCAPE MULCH	SY	162

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

SUMMARY QUANTITIES

REDWINE RD, PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		06-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

QUANTITIES REQUIRED BY AMENDMENT

DATE	ITEM NO.	AMENDMENT DATE	AMENDMENT NUMBER	DESCRIPTION	UNIT	ORIGINAL QUANTITY	REQUIRED BY AMENDMENT QUANTITY
XX-XX-XX	XXX-XXXX	XX-XX-XX	X	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XX	XXX	XXX

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

QUANTITIES (AMENDMENT)
REDWINE RD, BERNHARD RD & PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	07-0001
CORRECTED:		DATE:	
VERIFIED:		DATE:	

10/23/2015 GPLN

QUANTITIES REQUIRED ON CONSTRUCTION

DATE	ITEM NO.	DESCRIPTION	UNIT	ORIGINAL QUANTITY	PREVIOUS QUANTITY	REQUIRED ON CONSTRUCTION QUANTITY
XX-XX-XX	XXX-XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XX	XXX	XXX	XXX

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

QUANTITIES (CONSTRUCTION)
REDWINE RD, BERNHARD RD & PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		08-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

Curve° 1
PI Sta° 101+14.24
N° 1224807.8723
E° 2188547.4992
DELTA° 3°33'13.6" (RT)
D° 1°33'21.15"
T° 114.24
L° 228.41
R° 3682.54
E° 1.77
e° Match Existing

Curve° 2
PI Sta° 104+20.68
N° 1225114.3183
E° 2188554.0742
DELTA° 5°11'22.8" (LT)
D° 19°05'54.94"
T° 13.60
L° 27.17
R° 300.00
E° 0.31

Curve° 3
PI Sta° 104+75.83
N° 1225169.3487
E° 2188550.2642
DELTA° 1°34'49.5" (LT)
D° 16°12'45.82"
T° 4.87
L° 9.75
R° 353.40
E° 0.03

Curve° 4
PI Sta° 105+01.86
N° 1225195.2636
E° 2188547.7501
DELTA° 20°51'13.7" (RT)
D° 49°49'20.70"
T° 21.16
L° 41.86
R° 115.00
E° 1.93

Curve° 5
PI Sta° 105+88.75
N° 1225279.5158
E° 2188570.8192
DELTA° 8°51'54.5" (LT)
R° 0

Curve° 6
PI Sta° 106+73.64
N° 1225363.8699
E° 2188580.3522
DELTA° 20°14'36.6" (LT)
D° 32°44'25.60"
T° 31.24
L° 61.83
R° 175.00
E° 2.77

Curve° 7
PI Sta° 107+53.68
N° 1225442.2354
E° 2188561.1098
DELTA° 15°01'29.7" (RT)
D° 15°16'43.95"
T° 49.45
L° 98.34
R° 375.00
E° 3.25

Curve° 8
PI Sta° 111+80.22
N° 1225869.2386
E° 2188570.2715
DELTA° 5°31'36.3" (RT)
D° 4°31'16.79"
T° 61.17
L° 122.24
R° 1267.23
E° 1.48
e° Match Existing

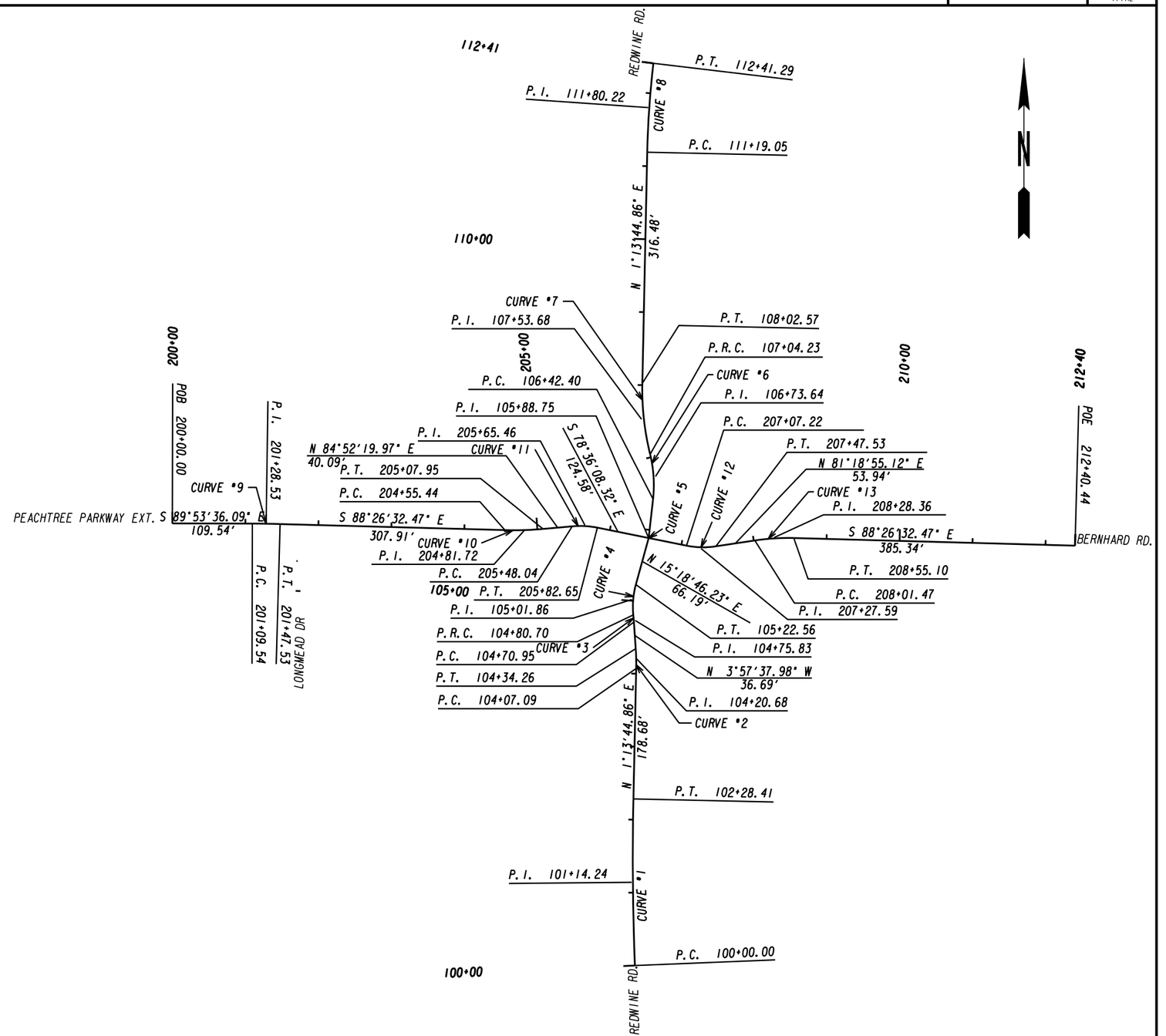
Curve° 9
PI Sta° 201+28.53
N° 1225299.2098
E° 2188047.0756
DELTA° 1°27'03.6" (RT)
D° 3°49'10.99"
T° 18.99
L° 37.99
R° 1500.00
E° 0.12

Curve° 10
PI Sta° 204+81.72
N° 1225289.6091
E° 2188400.1360
DELTA° 6°41'07.6" (LT)
D° 12°43'56.62"
T° 26.28
L° 52.51
R° 450.00
E° 0.77

Curve° 11
PI Sta° 205+65.46
N° 1225297.0988
E° 2188483.5993
DELTA° 16°31'31.7" (RT)
D° 47°44'47.34"
T° 17.43
L° 34.61
R° 120.00
E° 1.26

Curve° 12
PI Sta° 207+27.59
N° 1225265.0120
E° 2188642.7653
DELTA° 20°04'56.6" (LT)
D° 49°49'20.70"
T° 20.36
L° 40.31
R° 115.00
E° 1.79

Curve° 13
PI Sta° 208+28.36
N° 1225280.2912
E° 2188742.7945
DELTA° 10°14'32.4" (RT)
D° 19°05'54.94"
T° 26.89
L° 53.63
R° 300.00
E° 1.20



CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

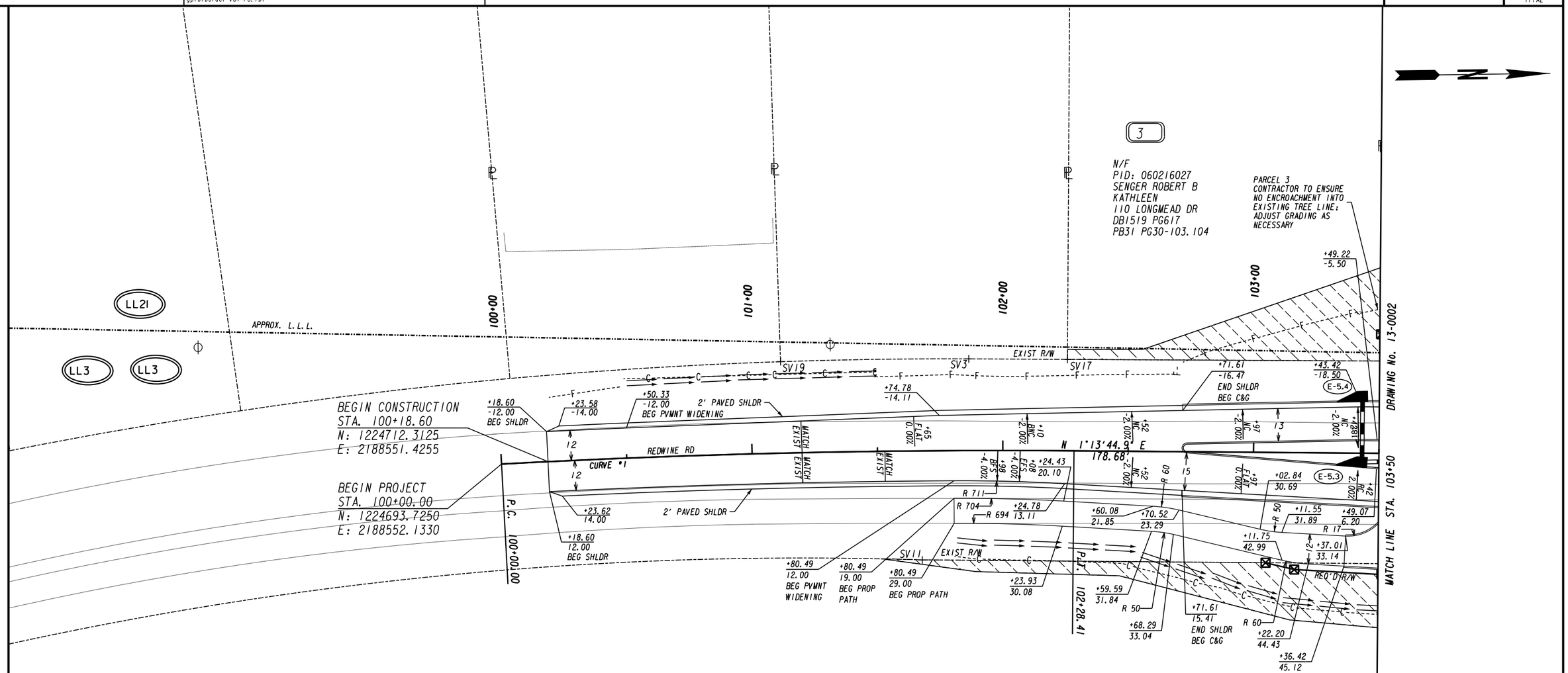
SCALE IN FEET
0 40 80 160

REVISION DATES

CONSTRUCTION LAYOUT
REDWINE RD, BERNHARD RD & PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		11-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

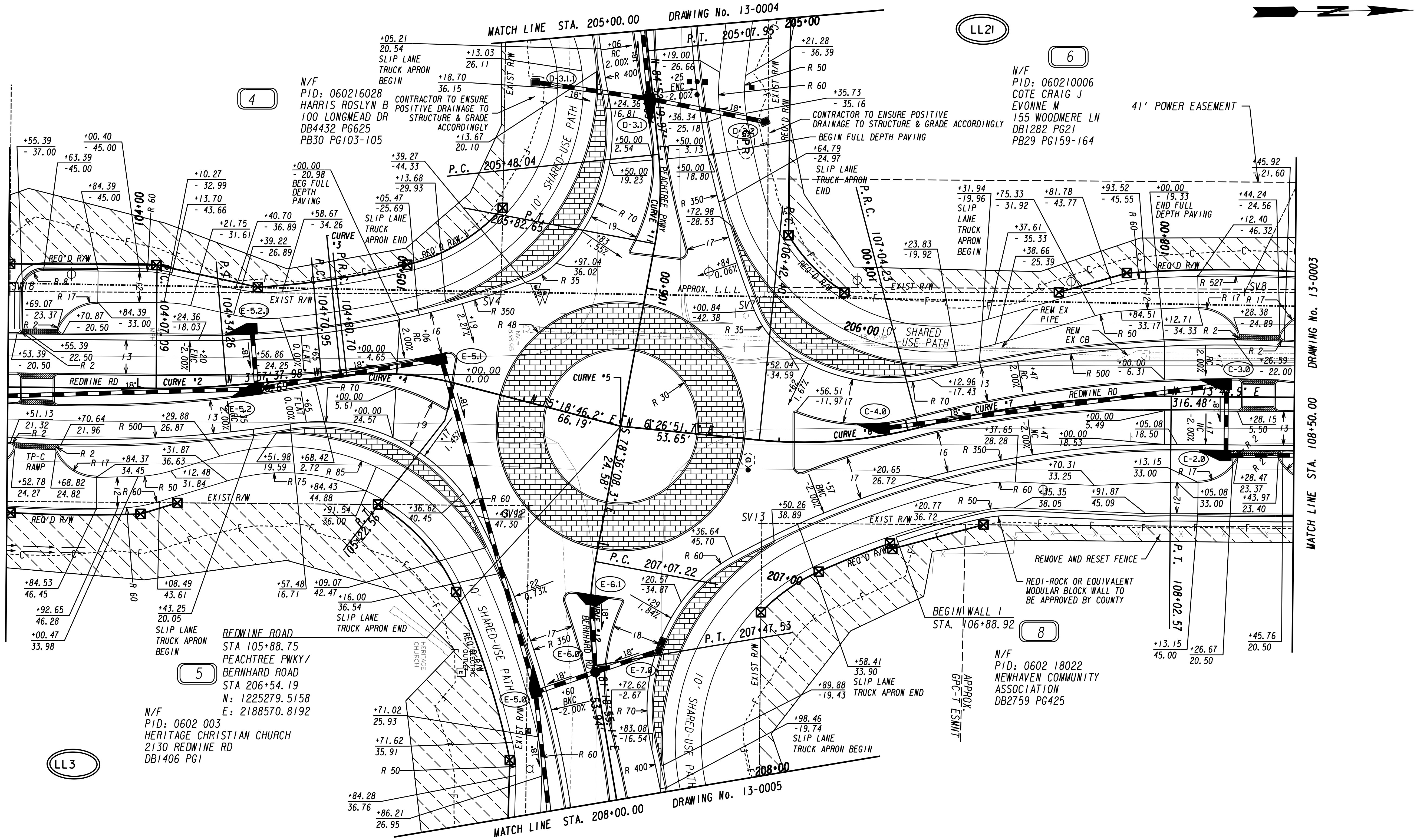
REVISION DATES

CONSTRUCTION PLAN

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		13-0001

10/23/2015 GPLN


MATCH LINE STA. 205+00.00 DRAWING No. 13-0004
MATCH LINE STA. 208+00.00 DRAWING No. 13-0005
MATCH LINE STA. 103+50.00 DRAWING No. 13-0001
MATCH LINE STA. 108+50.00 DRAWING No. 13-0003
N/F
PID: 060216028
HARRIS ROSLYN B
100 LONGMEAD DR
DB4432 PG625
PB30 PG103-105
N/F
PID: 060210006
COTE CRAIG J
EVONNE M
155 WOODMERE LN
DB1282 PG21
PB29 PG159-164
41' POWER EASEMENT
N/F
PID: 0602 003
HERITAGE CHRISTIAN CHURCH
2130 REDWINE RD
DB1406 PG1
N/F
PID: 0602 18022
NEWHAVEN COMMUNITY
ASSOCIATION
DB2759 PG425
REDWINE ROAD
STA 105+88.75
PEACHTREE PWKY/
BERNHARD ROAD
STA 206+54.19
N: 1225279.5158
E: 2188570.8192
CONTRACTOR TO ENSURE POSITIVE DRAINAGE TO STRUCTURE & GRADE ACCORDINGLY
BEGIN FULL DEPTH PAVING
END FULL DEPTH PAVING
SLIP LANE TRUCK APRON BEGIN
SLIP LANE TRUCK APRON END
10' SHARED-USE PATH
REMOVE AND RESET FENCE
REDI-ROCK OR EQUIVALENT MODULAR BLOCK WALL TO BE APPROVED BY COUNTY
BEGIN WALL 1
STA. 106+88.92
APPROX. GPC-T ESMNT
REQ'D R/W
EXIST R/W
CURVE *5
P.C. 205+48.04
P.T. 205+07.95
P.C. 207+07.22
P.T. 207+47.53
LL21
LL3

NOTE:
EXISTING HERITAGE CHURCH SIGN LOCATED AT STA 207+32.04, 64.58 RT TO REMAIN. CONTRACTOR TO REPAIR ANY DAMAGE TO ELECTRICAL, LIGHTING, ETC.

PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS............BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.............ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	ORANGE BARRIER FENCE
EASEMENT FOR CONSTR OF DRIVES	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

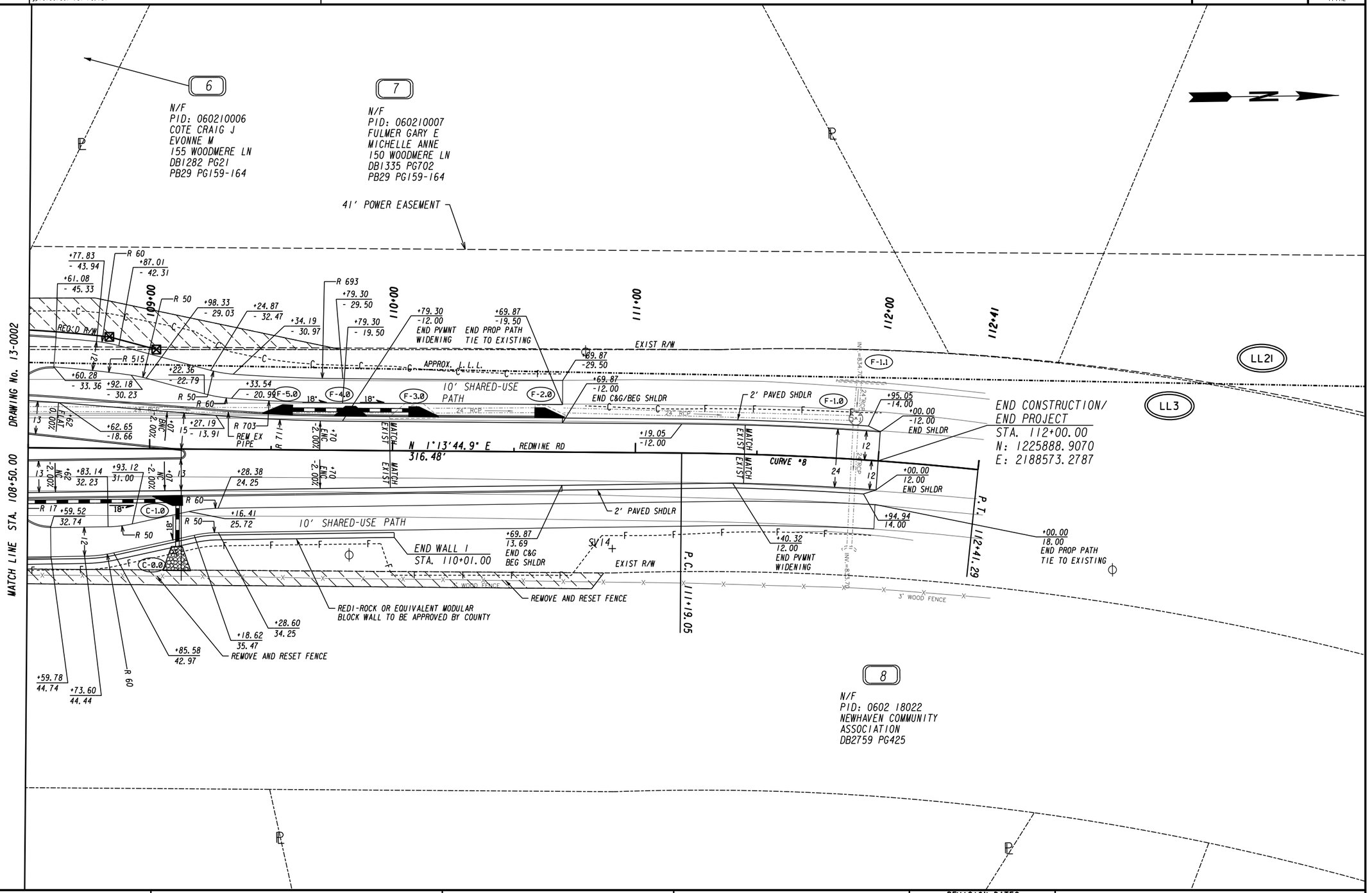
SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN
REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD

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

DRAWING No. 13-0002



PROPERTY AND EXISTING R/W LINE	----------P----------
REQUIRED R/W LINE	————
CONSTRUCTION LIMITS	——C——F——
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

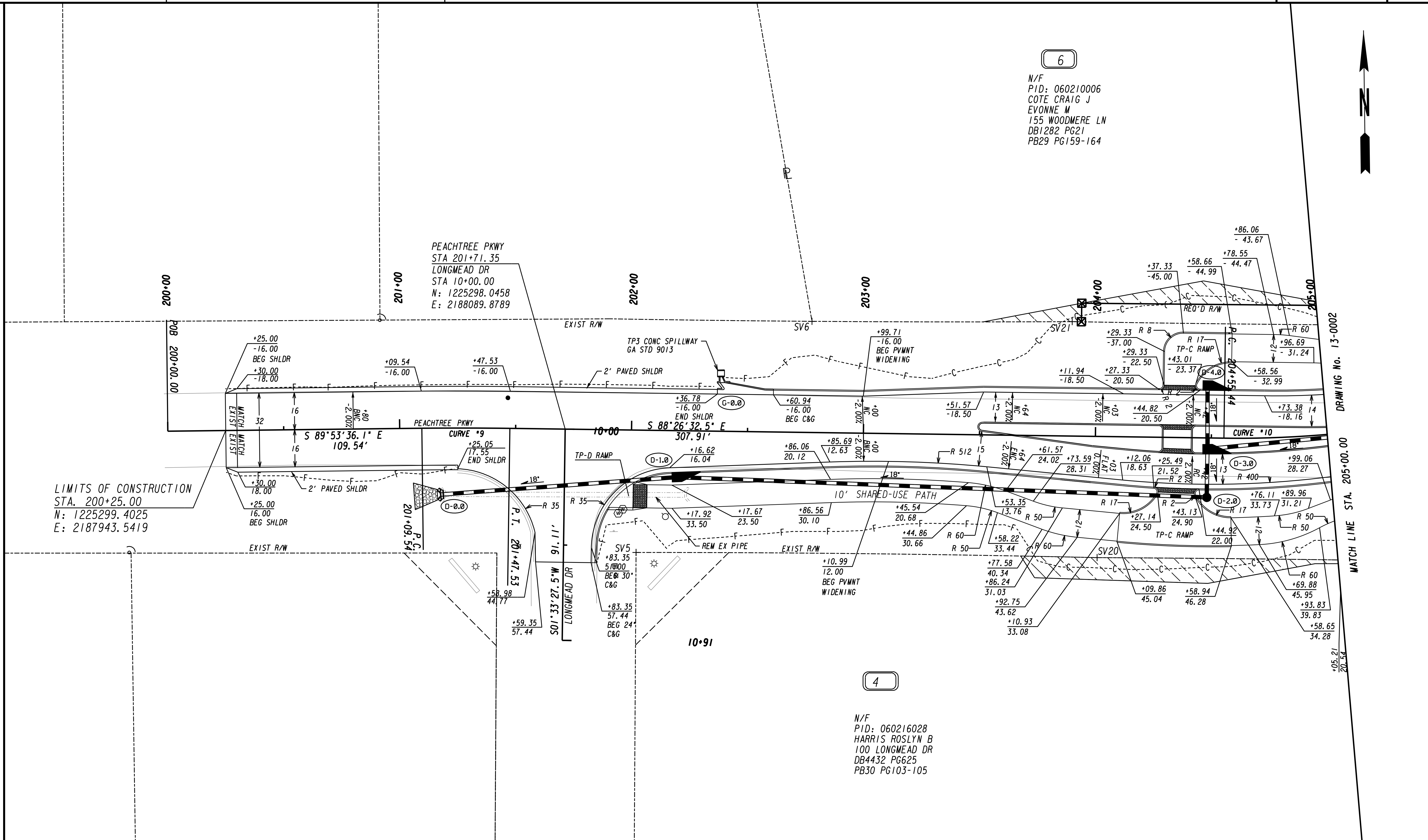
REVISION DATES

CONSTRUCTION PLAN

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		13-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN


6
N/F
PID: 060210006
COTE CRAIG J
EVONNE M
155 WOODMERE LN
DB1282 PG21
PB29 PG159-164
N
PEACHTREE PKWY
STA 201+71.35
LONGMEAD DR
STA 10+00.00
N: 1225298.0458
E: 2188089.8789
200+00
201+00
202+00
203+00
204+00
205+00
EXIST R/W
SV6
SV21
REQ'D R/W
POB 200+00.00
TP3 CONC SPILLWAY
GA STD 9013
2' PAVED SHLDR
BEG PVMNT WIDENING
BEG SHLDR
END SHLDR
BEG C&G
PEACHTREE PKWY
CURVE #9
S 89°53'36.1" E
109.54'
10+00
S 88°26'32.5" E
307.91'
CURVE #10
TP-D RAMP
TP-C RAMP
10' SHARED-USE PATH
REM EX PIPE
LIMITS OF CONSTRUCTION
STA. 200+25.00
N: 1225299.4025
E: 2187943.5419
D-0.0
D-1.0
D-2.0
D-3.0
D-4.0
G-0.0
P.C. 201+09.54
P.T. 201+47.53
S01°33'27.5"W 91.11'
LONGMEAD DR
SV5
SV20
10+91
DRAWING No. 13-0002
MATCH LINE STA. 205+00.00
4
N/F
PID: 060216028
HARRIS ROSLYN B
100 LONGMEAD DR
DB4432 PG625
PB30 PG103-105

PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS............BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.............ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	ORANGE BARRIER FENCE
EASEMENT FOR CONSTR OF DRIVES	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CROY ENGINEERING Engineers Planners Surveyors

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN

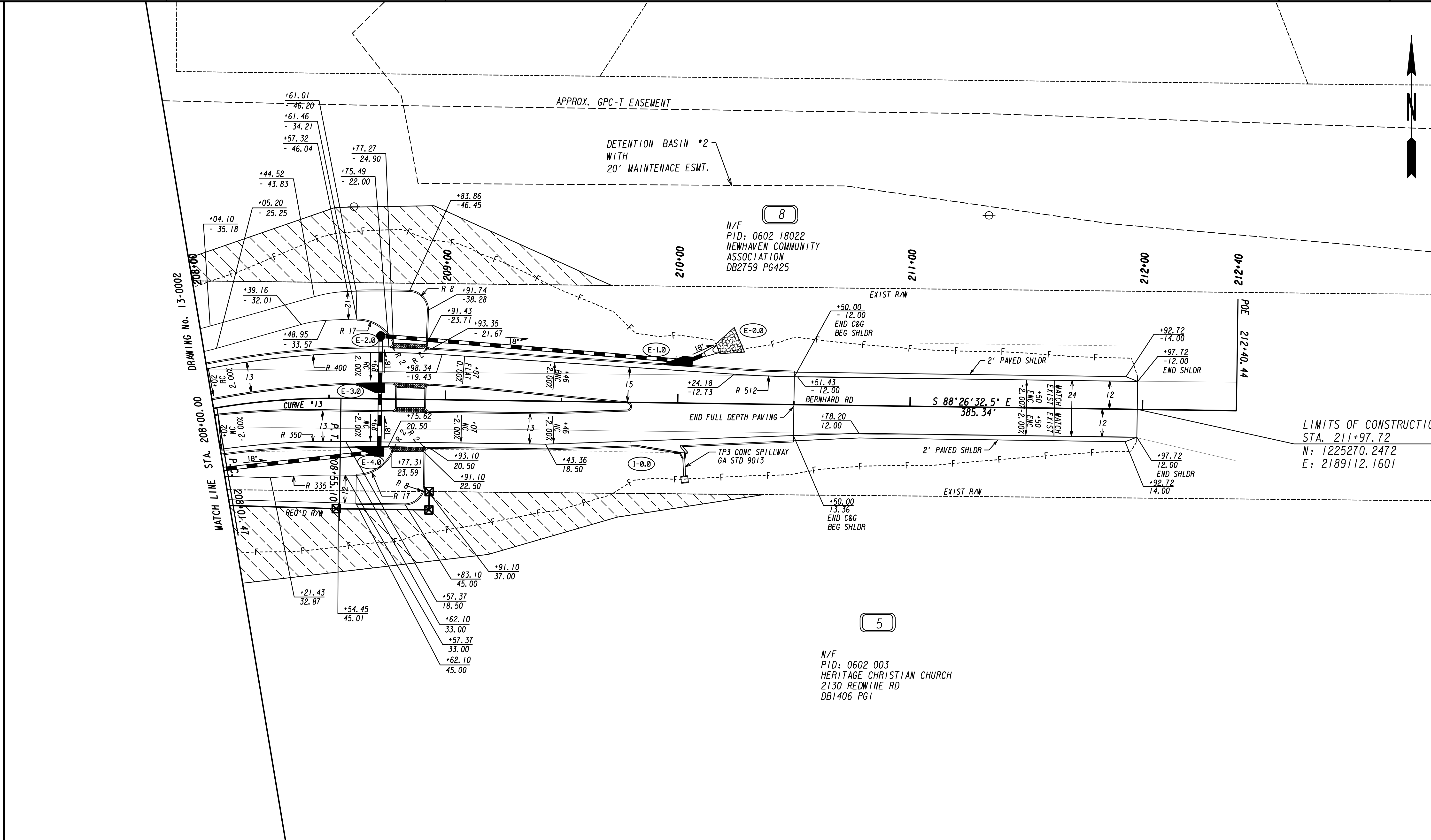
REDWINE RD, PEACHTREE PKWY INTERSECTION

PEACHTREE PKWY EXT

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

DRAWING No. 13-0004

10/23/2015 GPLN



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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN

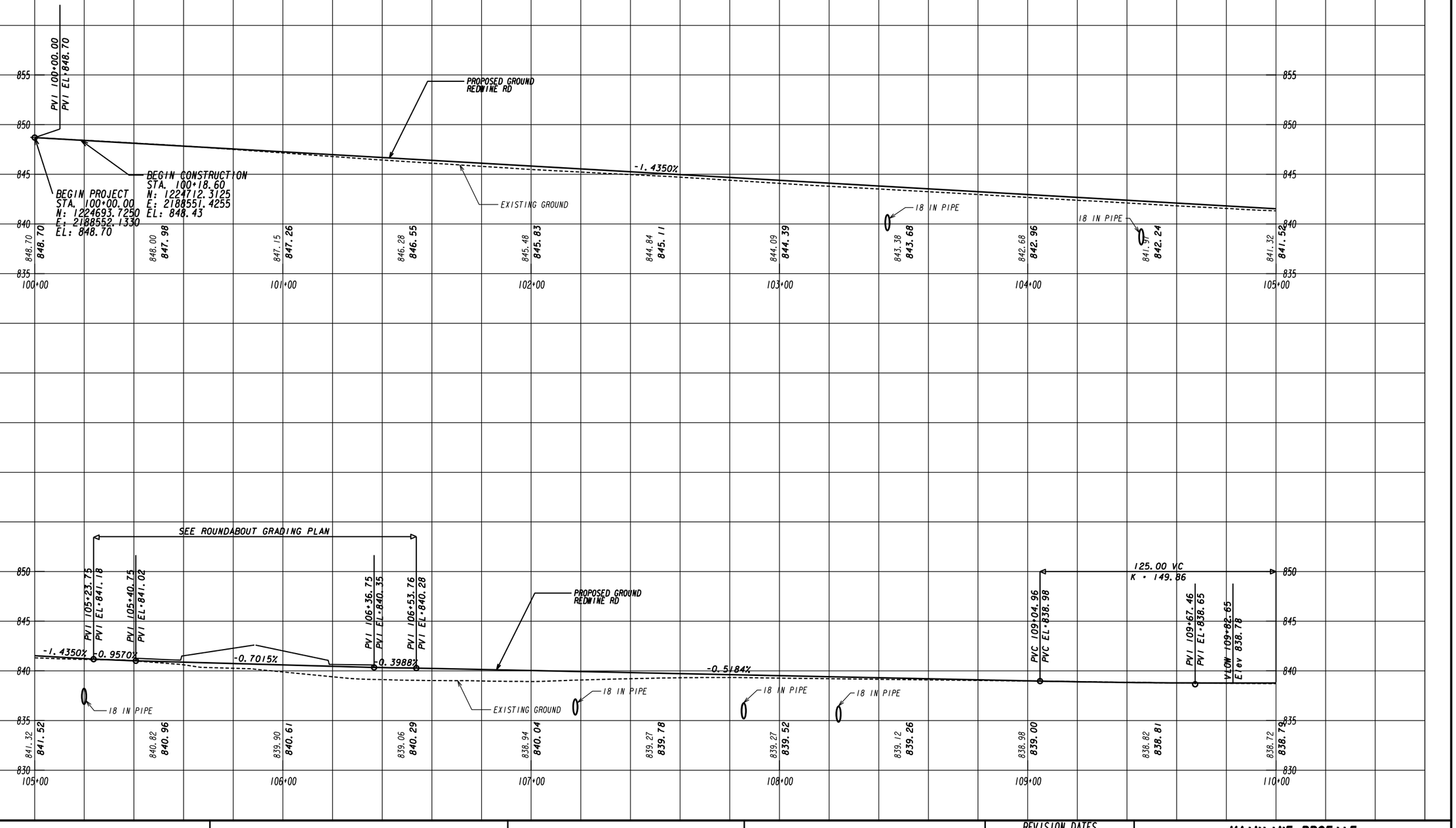
REDWINE RD, PEACHTREE PKWY INTERSECTION

BERNHARD ROAD

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

DRAWING No. 13-0005

10/23/2015 GPLN



CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

VERTICAL SCALE IN FEET
0 5 10 20

HORIZONTAL SCALE IN FEET
0 20 40 80

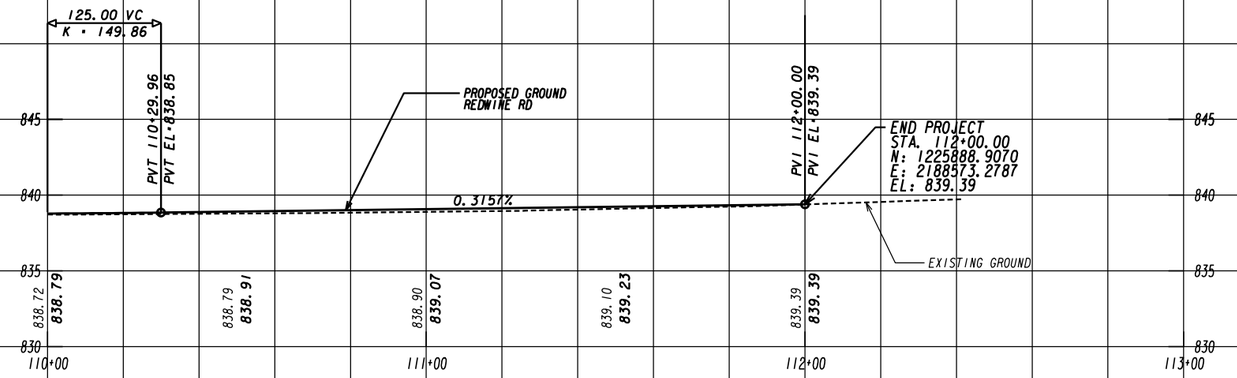
REVISION DATES

MAINLINE PROFILE

REDWINE RD, BERHARD RD & PEACHTREE PKWY
REDWINE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		15-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



CROY ENGINEERING
Engineers
Planners
Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

VERTICAL SCALE IN FEET
0 5 10 20

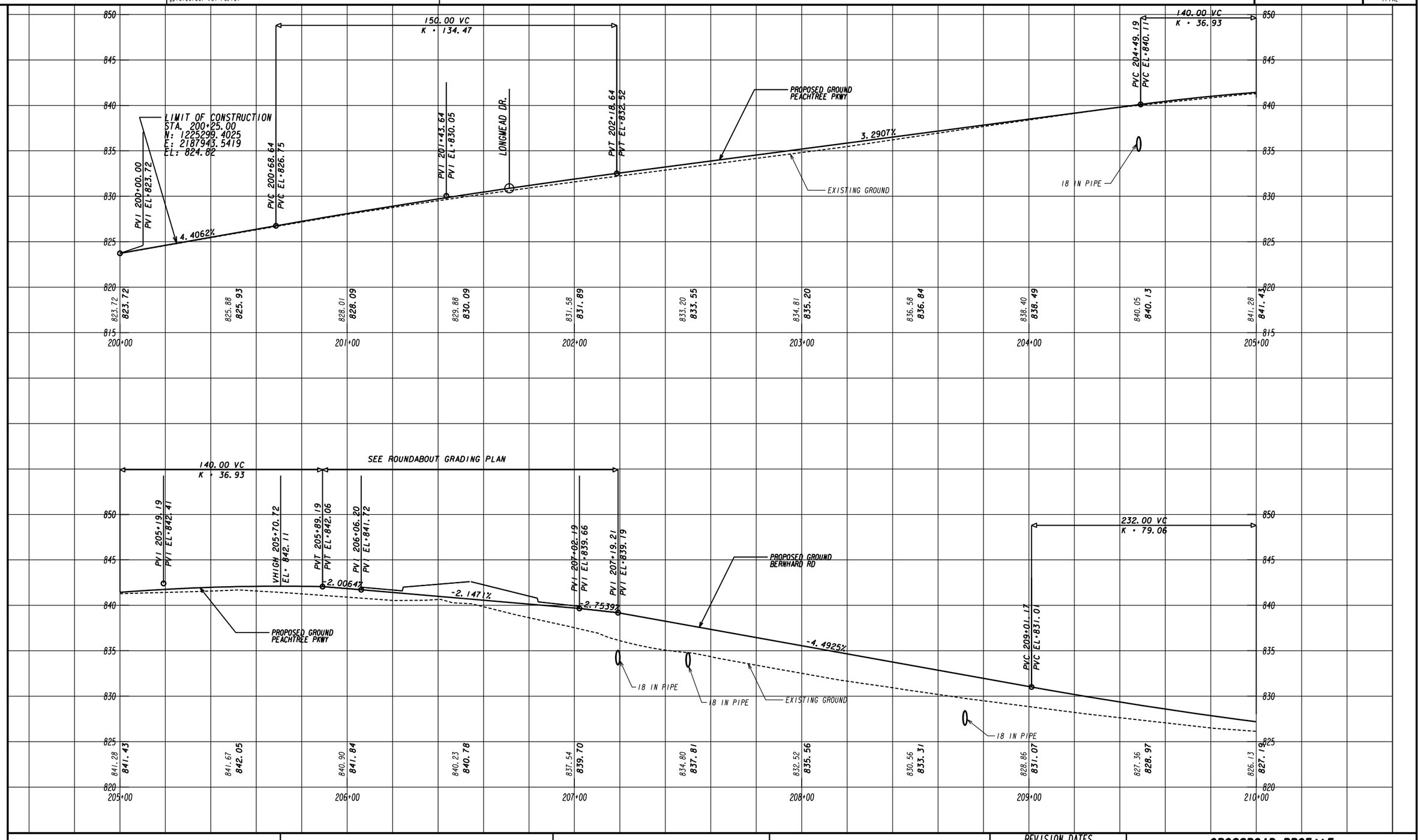
HORIZONTAL SCALE IN FEET
0 20 40 80

REVISION DATES

MAINLINE PROFILE

REDWINE RD, BERHARD RD & PEACHTREE PKWY
REDWINE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		15-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		



823.72	825.88	828.01	829.88	831.58	833.20	834.81	836.58	838.40	840.05	841.28
823.72	**825.93**	**828.09**	**830.09**	**831.89**	**833.55**	**835.20**	**836.84**	**838.49**	**840.13**	**841.43**

841.28	841.67	840.90	840.23	837.54	834.80	832.52	830.56	828.86	827.36	826.13
841.43	**842.05**	**841.84**	**840.78**	**839.70**	**837.81**	**835.56**	**833.31**	**831.07**	**828.97**	**827.19**

CROY ENGINEERING — Engineers, Planners, Surveyors

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

VERTICAL SCALE IN FEET
0 5 10 20

HORIZONTAL SCALE IN FEET
0 20 40 80

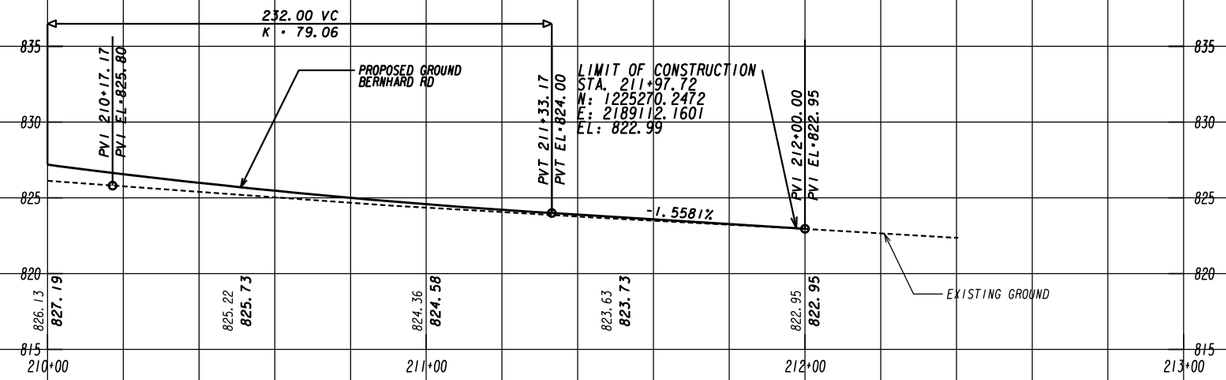
REVISION DATES

CROSSROAD PROFILE

REDWINE RD, BERHARD RD & PEACHTREE PKWY
PEACHTREE PARKWAY & BERNHARD ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		16-0001
VERIFIED:		DATE:		

10/23/2015 GPLN



CROY ENGINEERING
Engineers
Planners
Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

VERTICAL SCALE IN FEET
0 5 10 20

HORIZONTAL SCALE IN FEET
0 20 40 80

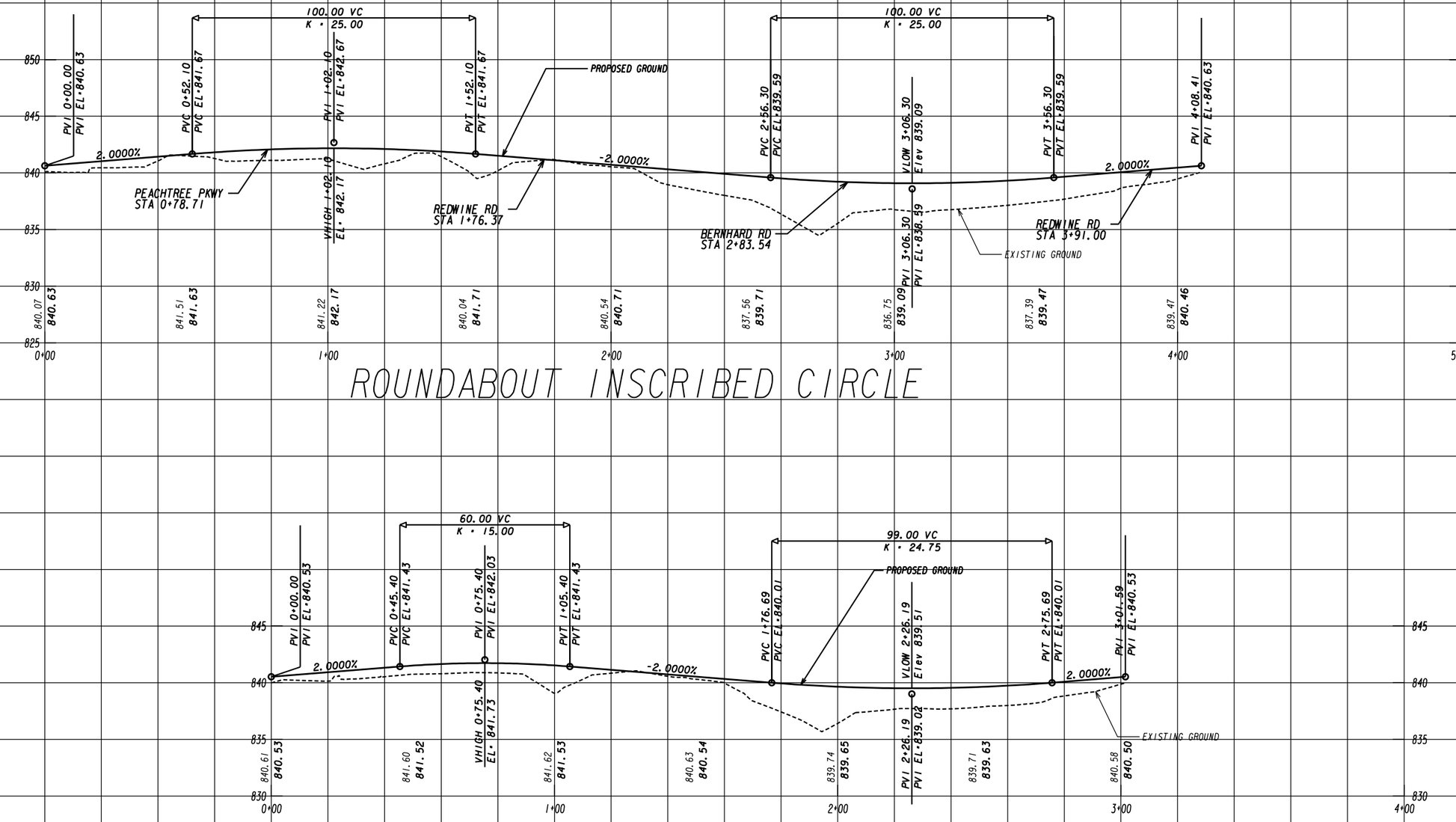
REVISION DATES

CROSSROAD PROFILE

REDWINE RD, BERHARD RD & PEACHTREE PKWY
PEACHTREE PARKWAY & BERNHARD ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		16-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



ROUNDABOUT INSCRIBED CIRCLE

TRUCK APRON

NOTE: FOR PROFILE PLAN VIEW SEE SHEET 18-0001

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

VERTICAL SCALE IN FEET
0 5 10 20

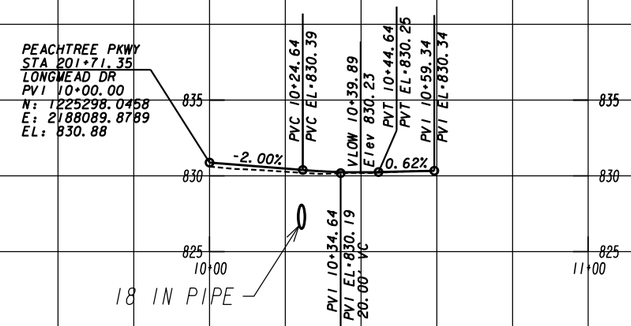
HORIZONTAL SCALE IN FEET
0 20 40 80

REVISION DATES

CROSSROAD PROFILE
REDWINE RD, BERHARD RD & PEACHTREE PKWY
TRUCK APRON & INSCRIBED CIRCLE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		16-0003
VERIFIED:		DATE:		

10/23/2015 GPLN



CROY ENGINEERING
Engineers
Planners
Surveyors

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 5 10 20

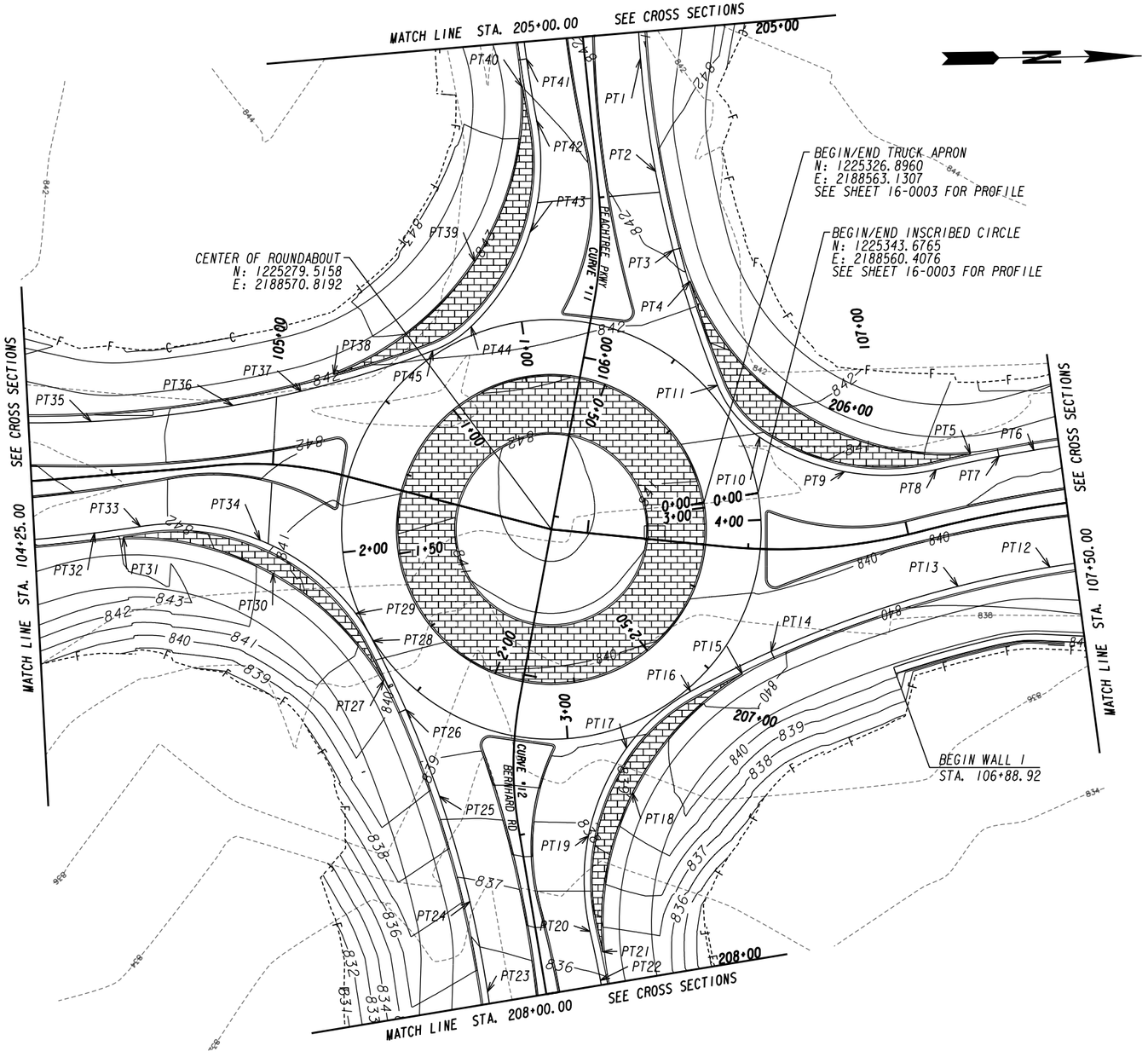
SCALE IN FEET
0 20 40 80

REVISION DATES

CROSSROAD PROFILE
LONGMEAD DRIVE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		16-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/205 GPLN



ROADWAY POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
PT1	1225309.0654	2188425.4083	841.23	EDGE OF PVMT
PT2	1225313.2787	2188460.3834	841.77	EDGE OF PVMT
PT3	1225318.3842	2188484.8263	841.98	EDGE OF PVMT
PT4	1225323.5106	2188494.5029	842.37	FACE OF CURB
PT5	1225409.6258	2188549.1607	840.50	FACE OF CURB
PT6	1225429.2712	2188548.3023	840.14	EDGE OF PVMT
PT7	1225418.4555	2188550.0769	840.11	EDGE OF PVMT
PT8	1225398.9469	2188553.8989	840.22	EDGE OF PVMT
PT9	1225370.5663	2188554.1601	840.54	EDGE OF PVMT
PT10	1225344.4148	2188543.1318	840.97	EDGE OF PVMT
PT11	1225331.6092	2188526.8889	841.37	EDGE OF PVMT
PT12	1225433.7813	2188584.6005	839.44	EDGE OF PVMT
PT13	1225405.2620	2188590.1475	839.59	EDGE OF PVMT
PT14	1225347.0891	2188609.5104	839.61	EDGE OF PVMT
PT15	1225338.0287	2188616.3536	839.77	FACE OF CURB
PT16	1225321.9726	2188621.6076	839.30	EDGE OF PVMT
PT17	1225301.9092	2188638.8953	838.92	EDGE OF PVMT
PT18	1225303.5457	2188652.7015	839.12	FACE OF CURB
PT19	1225289.7245	2188665.9060	837.81	EDGE OF PVMT
PT20	1225289.8064	2188695.5377	836.44	EDGE OF PVMT
PT21	1225293.6836	2188701.8237	836.58	FACE OF CURB
PT22	1225292.8283	2188710.7017	835.94	EDGE OF PVMT
PT23	1225257.8049	2188713.7575	835.34	EDGE OF PVMT
PT24	1225252.7373	2188685.7135	836.66	EDGE OF PVMT
PT25	1225243.7448	2188652.9701	838.39	EDGE OF PVMT
PT26	1225233.6726	2188626.0202	839.58	EDGE OF PVMT
PT27	1225226.9226	2188616.8902	840.18	FACE OF CURB
PT28	1225223.7866	2188604.6047	840.13	EDGE OF PVMT
PT29	1225218.5523	2188596.0629	840.32	EDGE OF PVMT
PT30	1225193.1239	2188583.2433	841.26	FACE OF CURB
PT31	1225146.9137	2188571.4500	842.80	FACE OF CURB
PT32	1225137.9470	2188570.0333	842.64	EDGE OF PVMT
PT33	1225152.1998	2188568.1996	842.27	EDGE OF PVMT
PT34	1225189.2309	2188572.9514	841.17	EDGE OF PVMT
PT35	1225137.4130	2188535.4901	842.17	EDGE OF PVMT
PT36	1225181.3729	2188531.1220	841.87	EDGE OF PVMT
PT37	1225202.5206	2188526.9895	841.86	EDGE OF PVMT
PT38	1225212.6865	2188521.9324	842.21	FACE OF CURB
PT39	1225256.8967	2188487.5887	842.98	FACE OF CURB
PT40	1225272.4453	2188433.8089	842.32	FACE OF CURB
PT41	1225273.7374	2188424.9839	841.87	EDGE OF PVMT
PT42	1225276.6818	2188444.1665	842.08	EDGE OF PVMT
PT43	1225274.1726	2188478.6139	842.44	EDGE OF PVMT
PT44	1225255.4976	2188507.6684	842.19	EDGE OF PVMT
PT45	1225243.4982	2188514.9930	842.06	EDGE OF PVMT

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

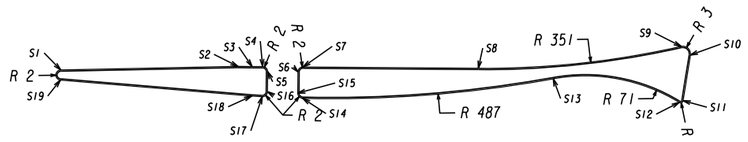
SCALE IN FEET
0 20 40 80

REVISION DATES

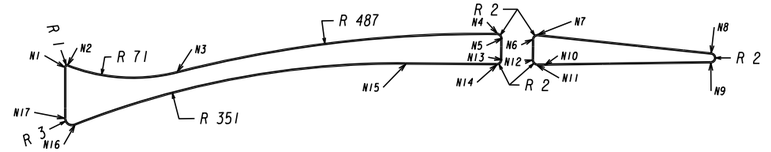
SPECIAL GRADING
REDWINE ROAD, BERNHARD RD & PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		18-0001
VERIFIED:		DATE:		

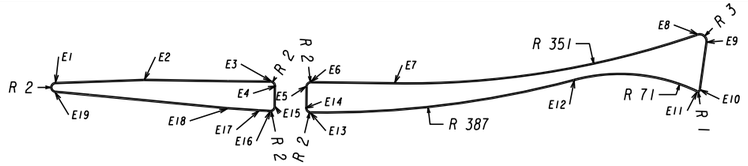
10/23/2015 GPLN



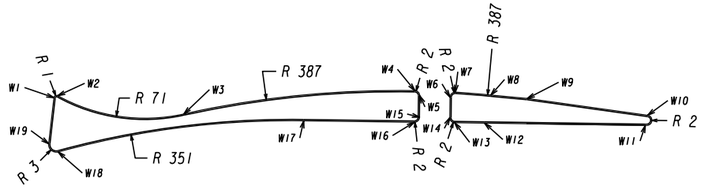
SOUTH SPLITTER ISLAND - REDWINE RD



NORTH SPLITTER ISLAND - REDWINE RD



EAST SPLITTER ISLAND - PEACHTREE PKWY



WEST SPLITTER ISLAND - BERNHARD RD

NORTH SPLITTER ISLAND			
POINT	NORTHING	EASTING	ELEVATION
N1	1225345.8976	2188566.8112	840.50
N2	1225347.2738	2188565.8982	840.52
N3	1225390.6342	2188569.1342	840.10
N4	1225517.4138	2188555.7260	839.48
N5	1225519.3616	2188557.7682	839.44
N6	1225531.3516	2188558.3604	839.34
N7	1225533.5891	2188556.4175	839.34
N8	1225602.1314	2188564.6306	838.94
N9	1225601.8937	2188568.6164	838.86
N10	1225536.1217	2188568.6255	839.17
N11	1225533.1332	2188568.5614	839.18
N12	1225531.1766	2188566.5189	839.23
N13	1225519.1793	2188566.2615	839.30
N14	1225517.1369	2188568.2182	839.27
N15	1225480.9986	2188567.4428	839.46
N16	1225349.6801	2188589.9154	840.01
N17	1225345.6223	2188587.0674	840.09

SOUTH SPLITTER ISLAND			
POINT	NORTHING	EASTING	ELEVATION
S1	1224967.1722	2188547.4035	844.71
S2	1225037.3769	2188546.9221	843.66
S3	1225042.9914	2188547.0426	843.58
S4	1225047.1562	2188547.1319	843.52
S5	1225049.1129	2188549.1744	843.53
S6	1225061.1101	2188549.4318	843.36
S7	1225063.1526	2188547.4751	843.29
S8	1225132.5477	2188548.9640	842.35
S9	1225213.0247	2188541.3808	841.48
S10	1225216.6046	2188544.8252	841.38
S11	1225213.4899	2188562.8822	840.98
S12	1225211.9687	2188563.5567	840.95
S13	1225162.1434	2188553.4944	841.98
S14	1225062.8531	2188559.9061	843.54
S15	1225060.9292	2188557.8647	843.53
S16	1225048.9432	2188557.0808	843.69
S17	1225046.8027	2188559.0330	843.76
S18	1225042.6161	2188558.7371	843.81
S19	1224966.9926	2188551.3941	844.77

EAST SPLITTER ISLAND			
POINT	NORTHING	EASTING	ELEVATION
E1	1225272.4121	2188892.4121	827.85
E2	1225271.6720	2188857.4292	829.13
E3	1225273.0295	2188807.5085	831.27
E4	1225275.0831	2188805.5636	831.40
E5	1225275.4093	2188793.5681	831.94
E6	1225273.4644	2188791.5144	831.99
E7	1225274.3681	2188758.2794	833.49
E8	1225256.6798	2188638.3266	939.04
E9	1225259.9834	2188634.4177	839.22
E10	1225278.9059	2188637.3265	839.09
E11	1225279.6517	2188638.7555	839.07
E12	1225274.5152	2188687.2823	836.80
E13	1225285.9597	2188791.8545	832.21
E14	1225283.9061	2188793.7991	832.08
E15	1225283.2452	2188805.7856	831.50
E16	1225285.1861	21.88807.9226	831.42
E17	1225284.8530	2188812.3754	831.20
E18	1225283.8387	2188824.9583	830.60
E19	1225276.3998	2188892.8783	827.92

WEST SPLITTER ISLAND			
POINT	NORTHING	EASTING	ELEVATION
W1	1225284.4984	2188504.5048	842.13
W2	1225283.7574	2188503.0153	842.14
W3	1225291.6635	2188453.1532	841.96
W4	1225283.6597	2188361.5617	840.05
W5	1225285.7131	2188359.6263	839.94
W6	1225286.4473	2188347.6418	839.51
W7	1225284.5071	2188345.4957	839.46
W8	1225285.8024	2188331.4168	838.95
W9	1225287.3887	2188317.0557	838.44
W10	1225294.6442	2188269.4953	836.85
W11	1225298.6364	2188270.4941	836.79
W12	1225296.9065	2188334.1118	838.89
W13	1225296.5855	2188345.9168	839.28
W14	1225294.5319	2188347.8616	839.38
W15	1225294.2057	2188359.8572	839.78
W16	1225296.1506	2188361.9108	839.80
W17	1225294.9609	2188405.6598	841.08
W18	1225306.0164	2188503.1036	842.10
W19	1225302.7323	2188506.8308	842.04

NOTE: ELEVATIONS ARE AT EOP OF SPLITTER ISLAND

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 30 60 120

REVISION DATES

SPECIAL GRADING
REDWINE ROAD, BERNHARD RD & PEACHTREE PKWY INTERSECTION

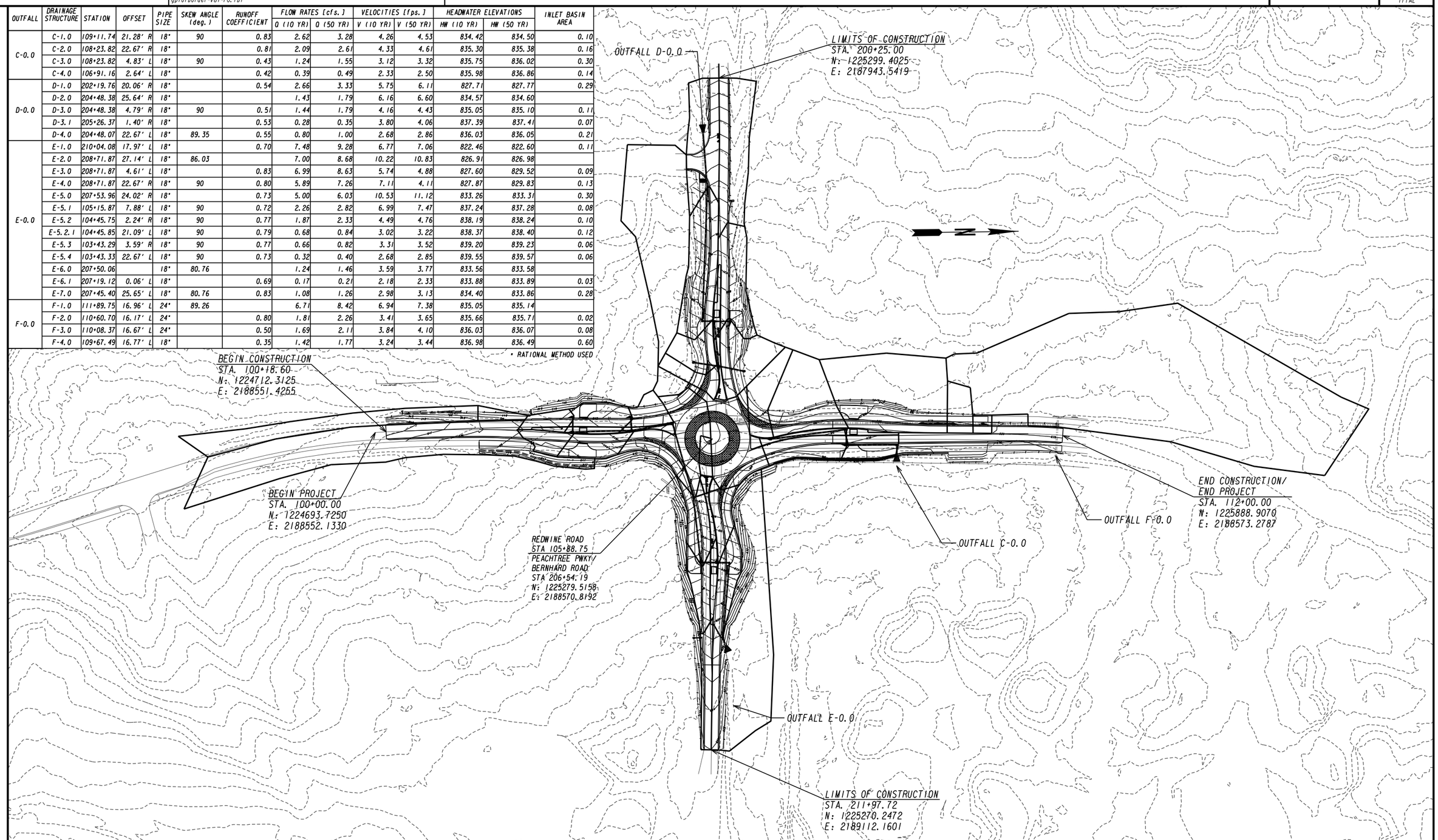
CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 18-0002

10/23/2015 GPLN

OUTFALL	DRAINAGE STRUCTURE	STATION	OFFSET	PIPE SIZE	SKEW ANGLE (deg.)	RUNOFF COEFFICIENT	FLOW RATES [cfs.] Q (10 YR)	Q (50 YR)	VELOCITIES [fps.] V (10 YR)	V (50 YR)	HEADWATER ELEVATIONS HW (10 YR)	HW (50 YR)	INLET BASIN AREA
C-0.0	C-1.0	109+11.74	21.28' R	18"	90	0.83	2.62	3.28	4.26	4.53	834.42	834.50	0.10
	C-2.0	108+23.82	22.67' R	18"		0.81	2.09	2.61	4.33	4.61	835.30	835.38	0.16
	C-3.0	108+23.82	4.83' L	18"	90	0.43	1.24	1.55	3.12	3.32	835.75	836.02	0.30
	C-4.0	106+91.16	2.64' L	18"		0.42	0.39	0.49	2.33	2.50	835.98	836.86	0.14
D-0.0	D-1.0	202+19.76	20.06' R	18"		0.54	2.66	3.33	5.75	6.11	827.71	827.77	0.29
	D-2.0	204+48.38	25.64' R	18"			1.43	1.79	6.16	6.60	834.57	834.60	
	D-3.0	204+48.38	4.79' R	18"	90	0.51	1.44	1.79	4.16	4.43	835.05	835.10	0.11
	D-3.1	205+26.37	1.40' R	18"		0.53	0.28	0.35	3.80	4.06	837.39	837.41	0.07
	D-4.0	204+48.07	22.67' L	18"	89.35	0.55	0.80	1.00	2.68	2.86	836.03	836.05	0.21
E-0.0	E-1.0	210+04.08	17.97' L	18"		0.70	7.48	9.28	6.77	7.06	822.46	822.60	0.11
	E-2.0	208+71.87	27.14' L	18"	86.03		7.00	8.68	10.22	10.83	826.91	826.98	
	E-3.0	208+71.87	4.61' L	18"		0.83	6.99	8.63	5.74	4.88	827.60	829.52	0.09
	E-4.0	208+71.87	22.67' R	18"	90	0.80	5.89	7.26	7.11	4.11	827.87	829.83	0.13
	E-5.0	207+53.96	24.02' R	18"		0.73	5.00	6.03	10.53	11.12	833.26	833.31	0.30
	E-5.1	105+15.87	7.88' L	18"	90	0.72	2.26	2.82	6.99	7.47	837.24	837.28	0.08
	E-5.2	104+45.75	2.24' R	18"	90	0.77	1.87	2.33	4.49	4.76	838.19	838.24	0.10
	E-5.2.1	104+45.85	21.09' L	18"	90	0.79	0.68	0.84	3.02	3.22	838.37	838.40	0.12
	E-5.3	103+43.29	3.59' R	18"	90	0.77	0.66	0.82	3.31	3.52	839.20	839.23	0.06
	E-5.4	103+43.33	22.67' L	18"	90	0.73	0.32	0.40	2.68	2.85	839.55	839.57	0.06
	E-6.0	207+50.06		18"	80.76		1.24	1.46	3.59	3.77	833.56	833.58	
	E-6.1	207+19.12	0.06' L	18"		0.69	0.17	0.21	2.18	2.33	833.88	833.89	0.03
	E-7.0	207+45.40	25.65' L	18"	80.76	0.83	1.08	1.26	2.98	3.13	834.40	833.86	0.28
F-0.0	F-1.0	111+89.75	16.96' L	24"	89.26		6.71	8.42	6.94	7.38	835.05	835.14	
	F-2.0	110+60.70	16.17' L	24"		0.80	1.81	2.26	3.41	3.65	835.66	835.71	0.02
	F-3.0	110+08.37	16.67' L	24"		0.50	1.69	2.11	3.84	4.10	836.03	836.07	0.08
	F-4.0	109+67.49	16.77' L	18"		0.35	1.42	1.77	3.24	3.44	836.98	836.49	0.60

* RATIONAL METHOD USED



CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 80 160 320

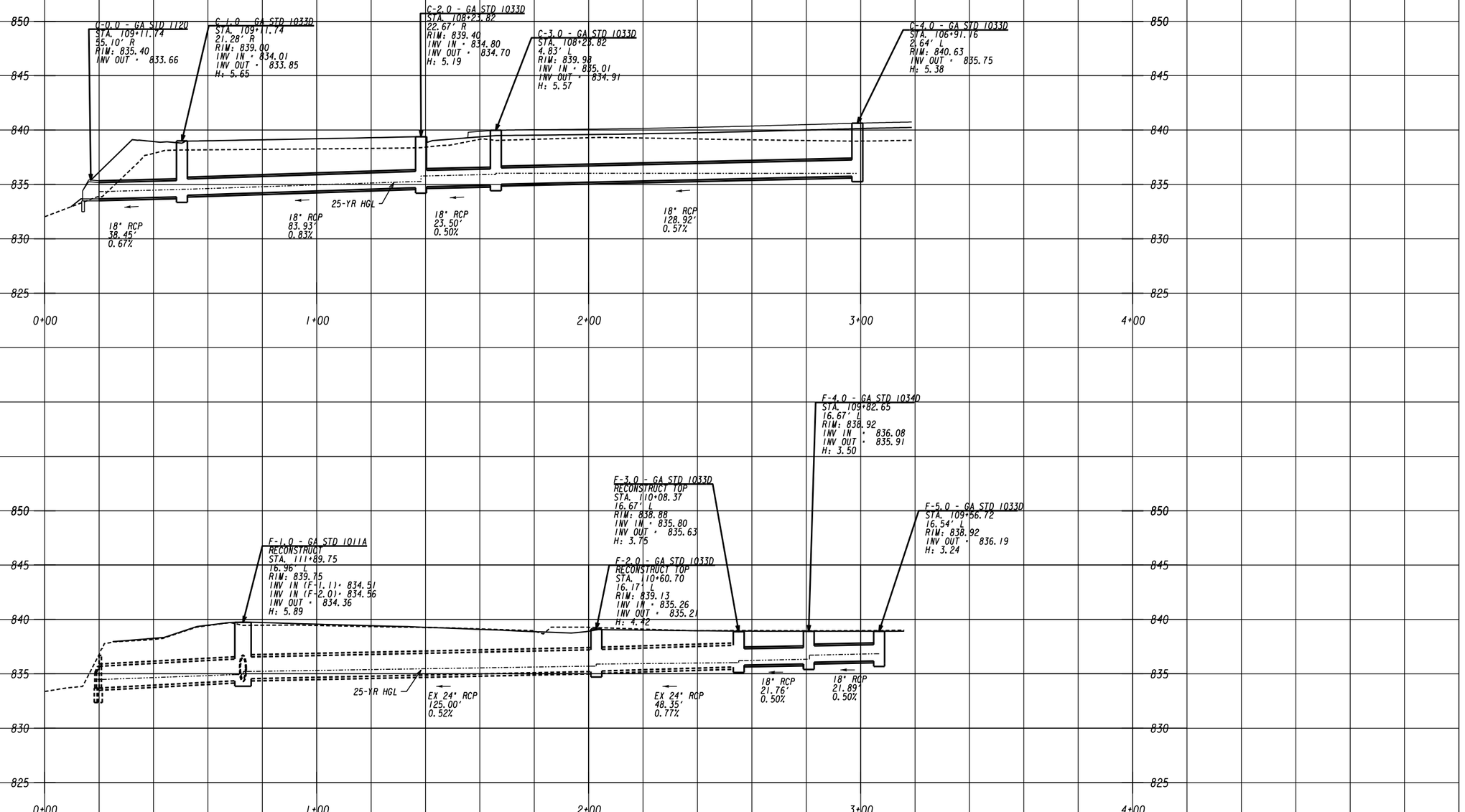
REVISION DATES

DRAINAGE AREA MAP

REDWINE RD, BERNHARD RD & PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		21-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

VERT SCALE IN FEET
0 5 10 20

HORIZ SCALE IN FEET
0 20 40 80

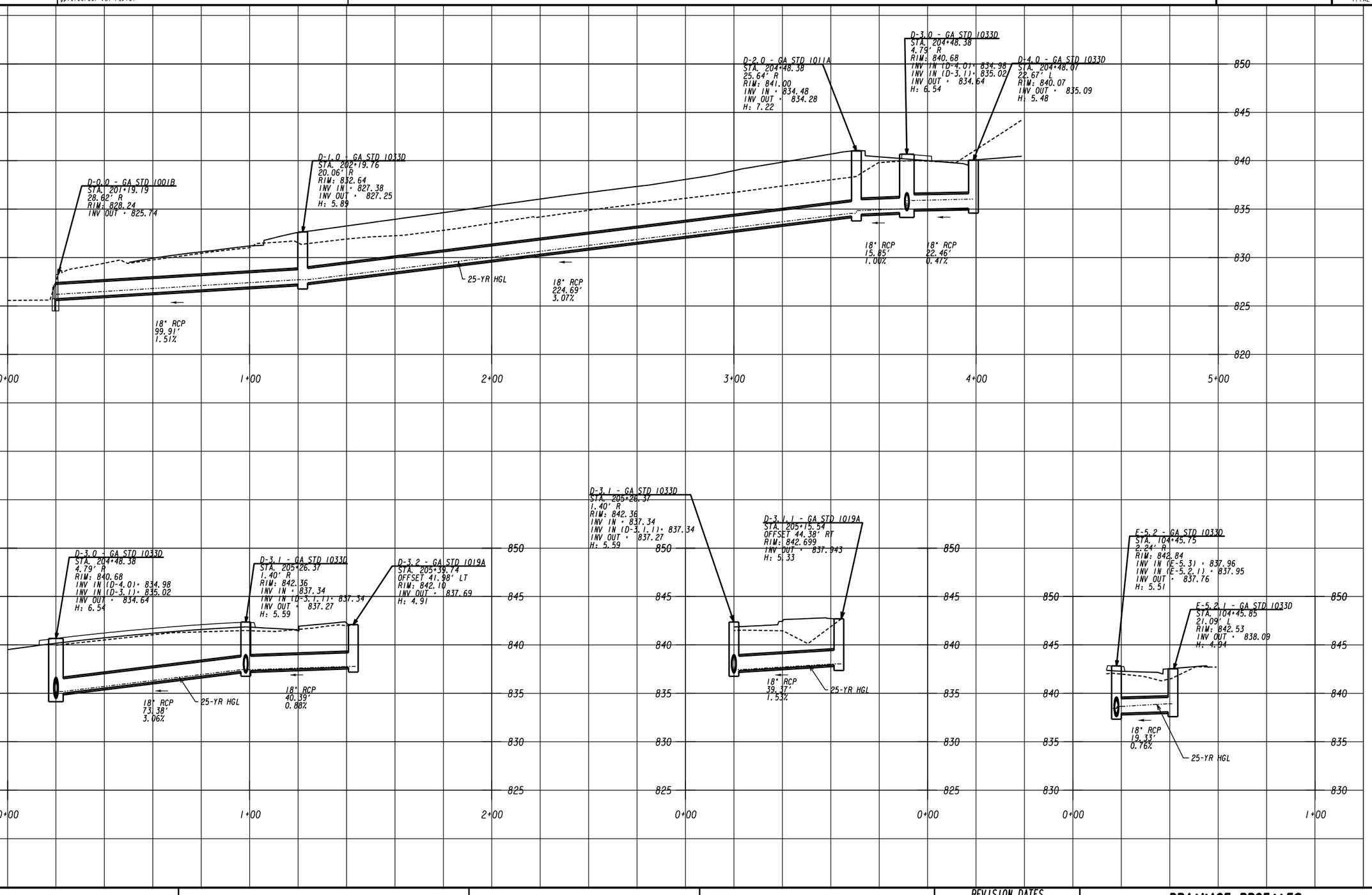
REVISION DATES

DRAINAGE PROFILES

REDWINE RD, BERHARD RD & PEACHTREE PKWY INTERSECTON

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		22-0001
VERIFIED:		DATE:		

10/23/2015 GPLN



CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

VERT SCALE IN FEET 0 5 10 20
HORIZ SCALE IN FEET 0 20 40 80

REVISION DATES

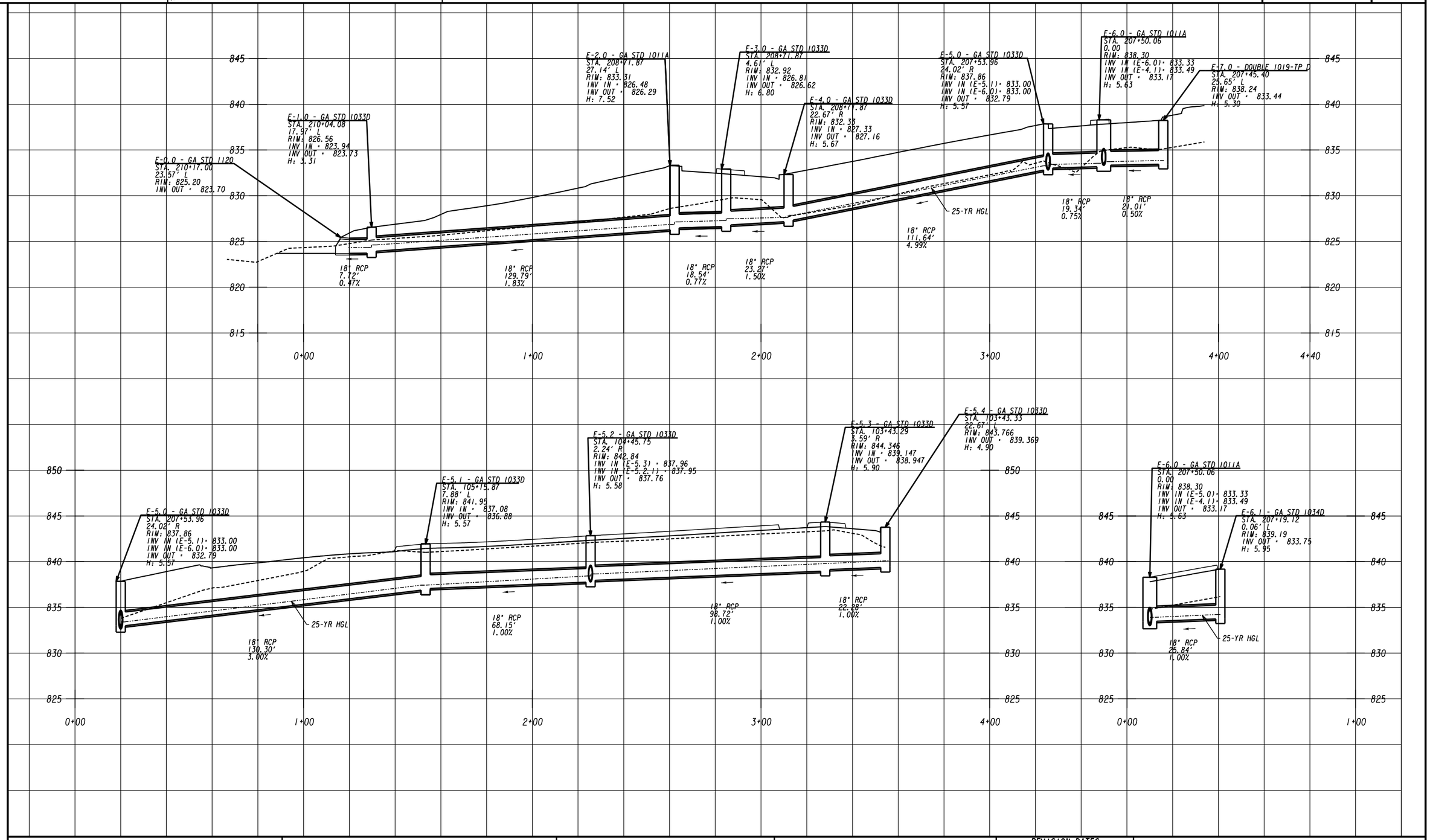
DRAINAGE PROFILES

REDWINE RD, BERHARD RD & PEACHTREE PKWY INTERSECTON

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		22-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

9/16/2022 10:00:49 AM | GPLOT-V8 | 18660010_22-0001.dgn | Project No. 17TAL
aalban | gplotborder-V81-P0.tbl



CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

VERT SCALE IN FEET
0 5 10 20

HORIZ SCALE IN FEET
0 20 40 80

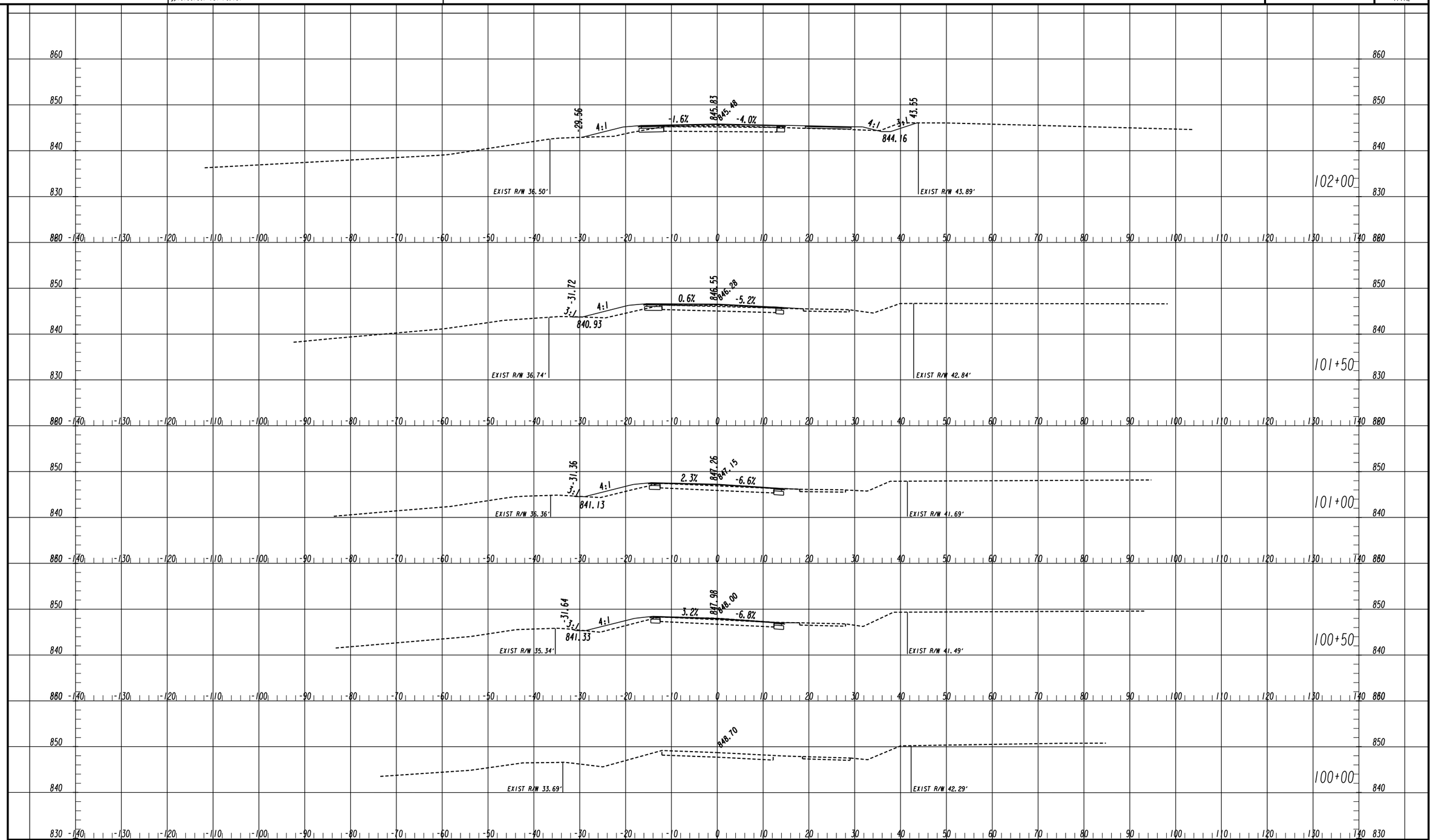
REVISION DATES

DRAINAGE PROFILES

REDWINE RD, BERHARD RD & PEACHTREE PKWY INTERSECTON

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		22-0003
VERIFIED:		DATE:		

10/23/2015 GPLN



CROY ENGINEERING Engineers Planners Surveyors

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 10 20 40

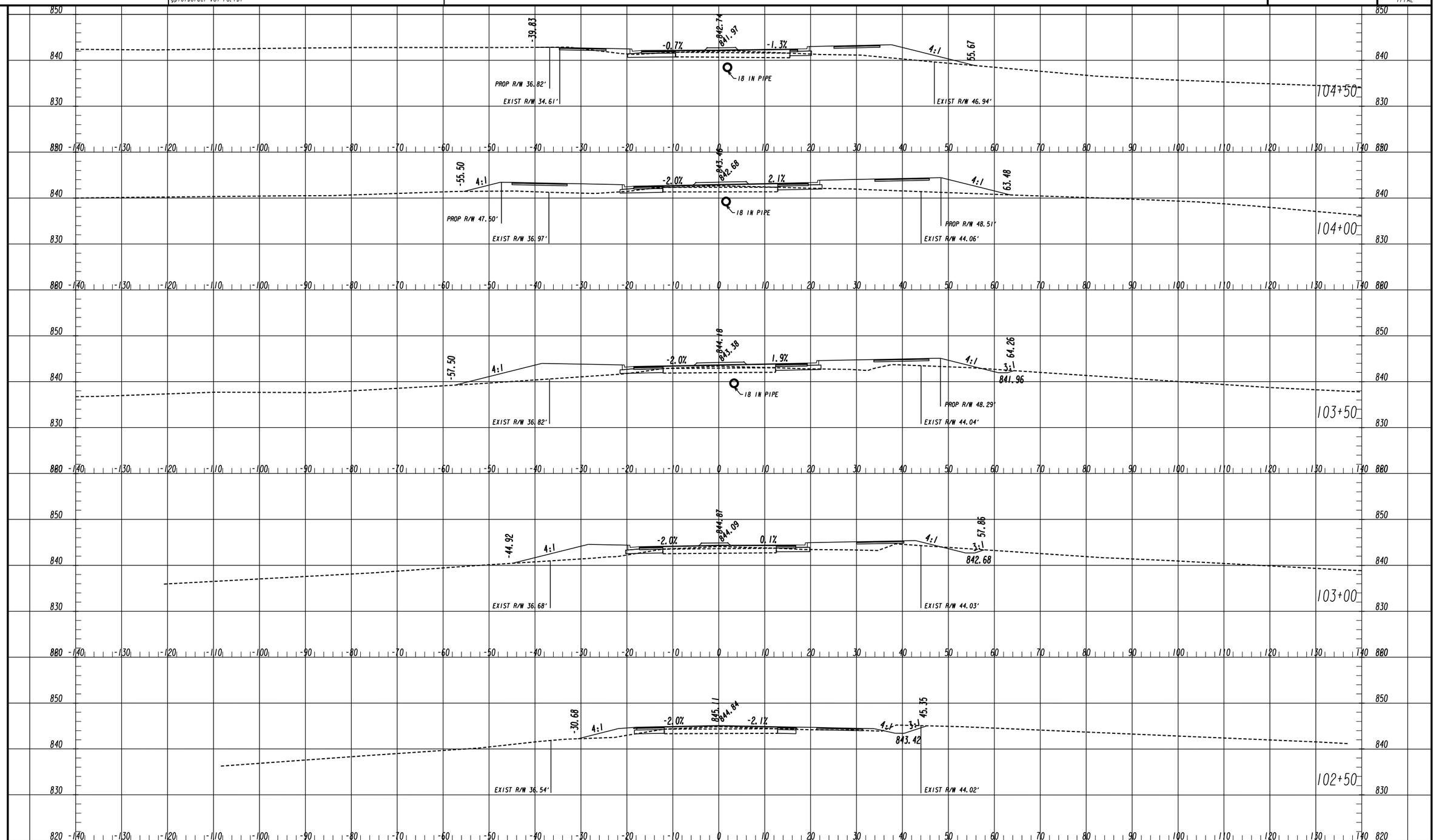
REVISION DATES

CROSS SECTIONS

REDWINE RD, PEACHTREE PKWY INTERSECTON
REDWINE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 SUXSEW



CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

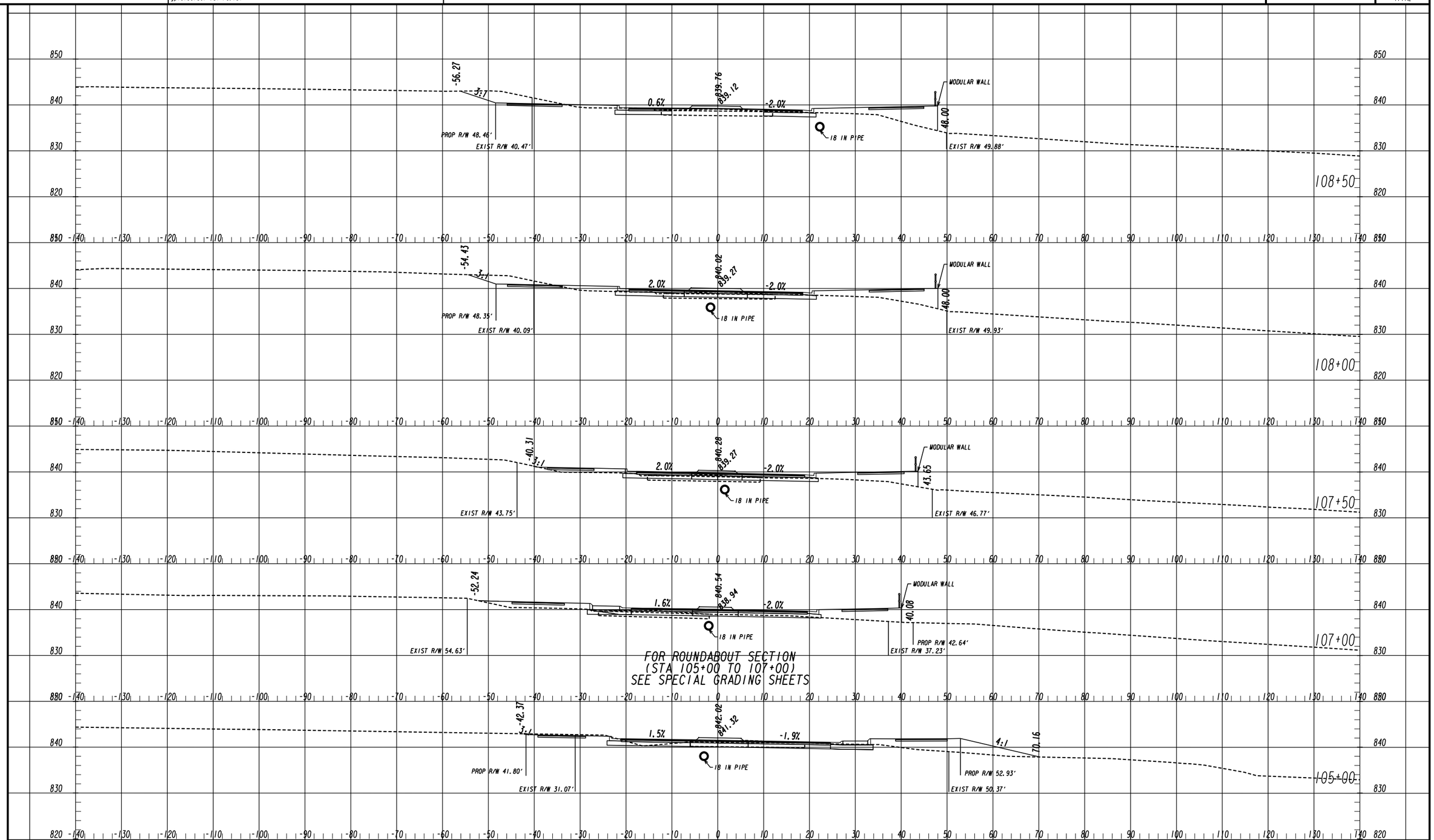
SCALE IN FEET
0 10 20 40

REVISION DATES

CROSS SECTIONS
REDWINE RD, PEACHTREE PKWY INTERSECTON
REDWINE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 SUXSEW



CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 10 20 40

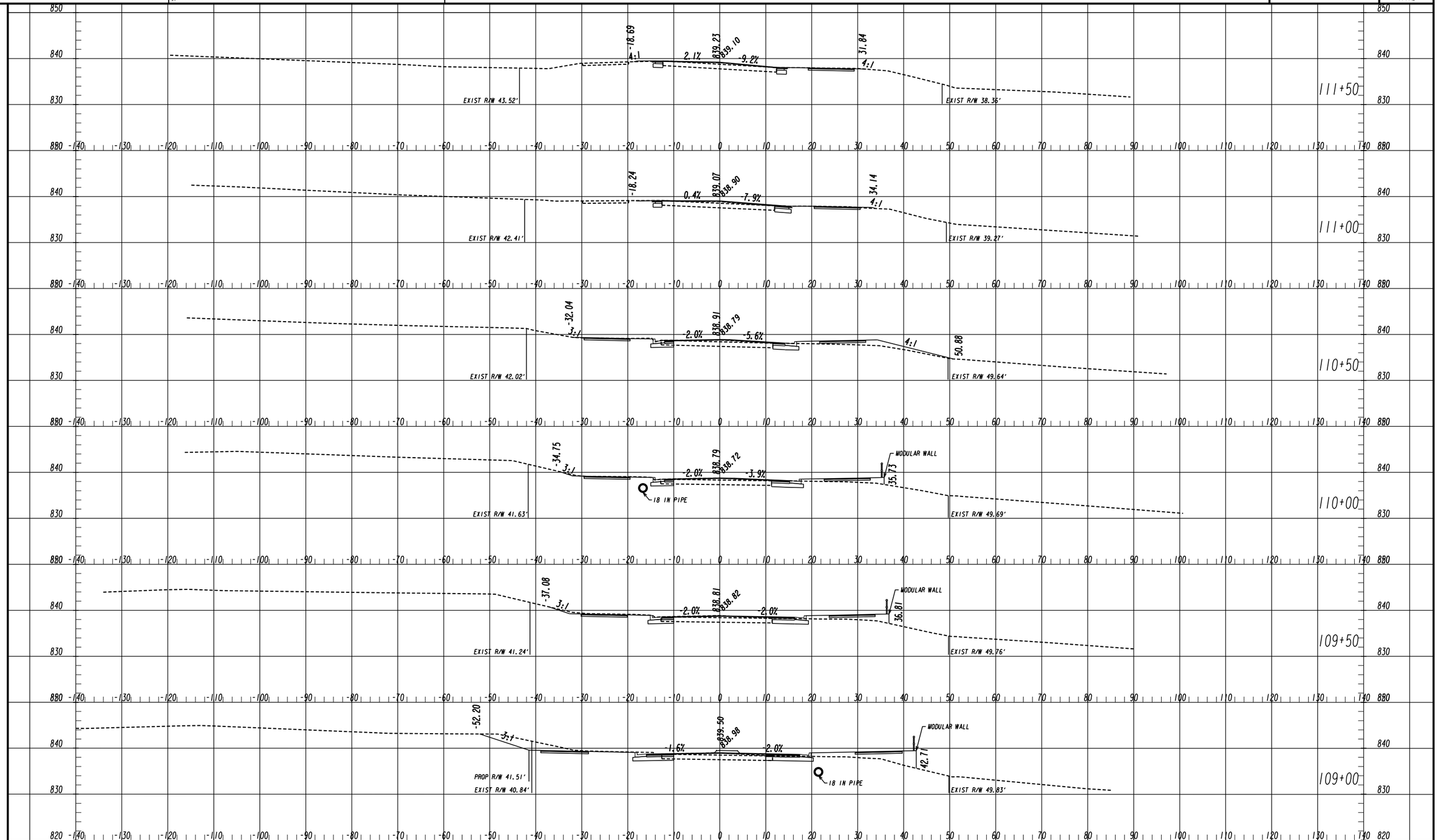
REVISION DATES

CROSS SECTIONS
REDWINE RD, PEACHTREE PKWY INTERSECTON
REDWINE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 SUXSEW

9/16/2022 10:00:55 AM | GPLOT-V8 | 186601OXSEC_01.dgn | Project No. 17TAL
aalban | gplotborder-V81-P0.tbl



CROY ENGINEERING — Engineers Planners Surveyors

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 10 20 40

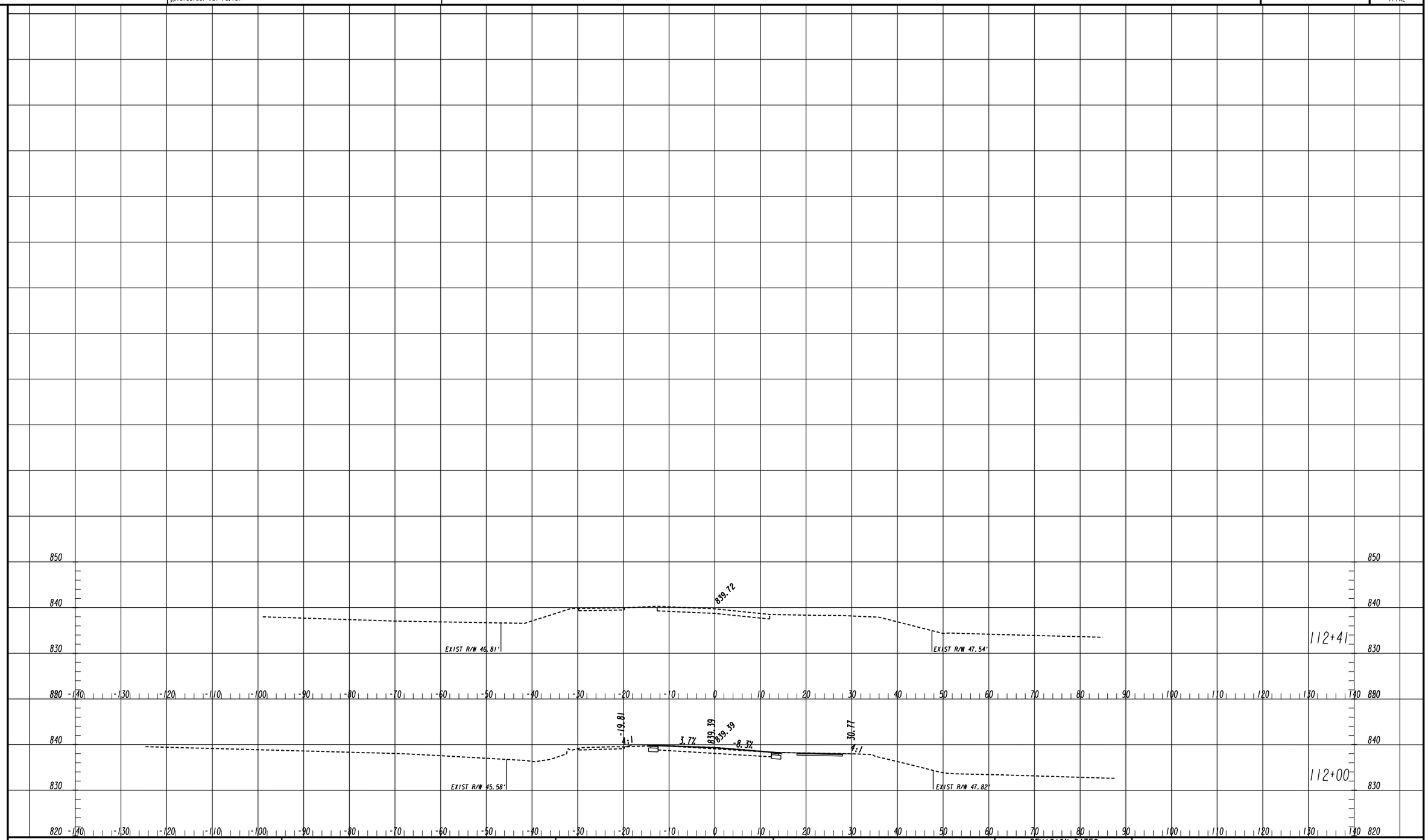
REVISION DATES

CROSS SECTIONS

REDWINE RD, PEACHTREE PKWY INTERSECTON
REDWINE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 SUXSEW



CROY ENGINEERING
Engineers
Planners
Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 10 20 40

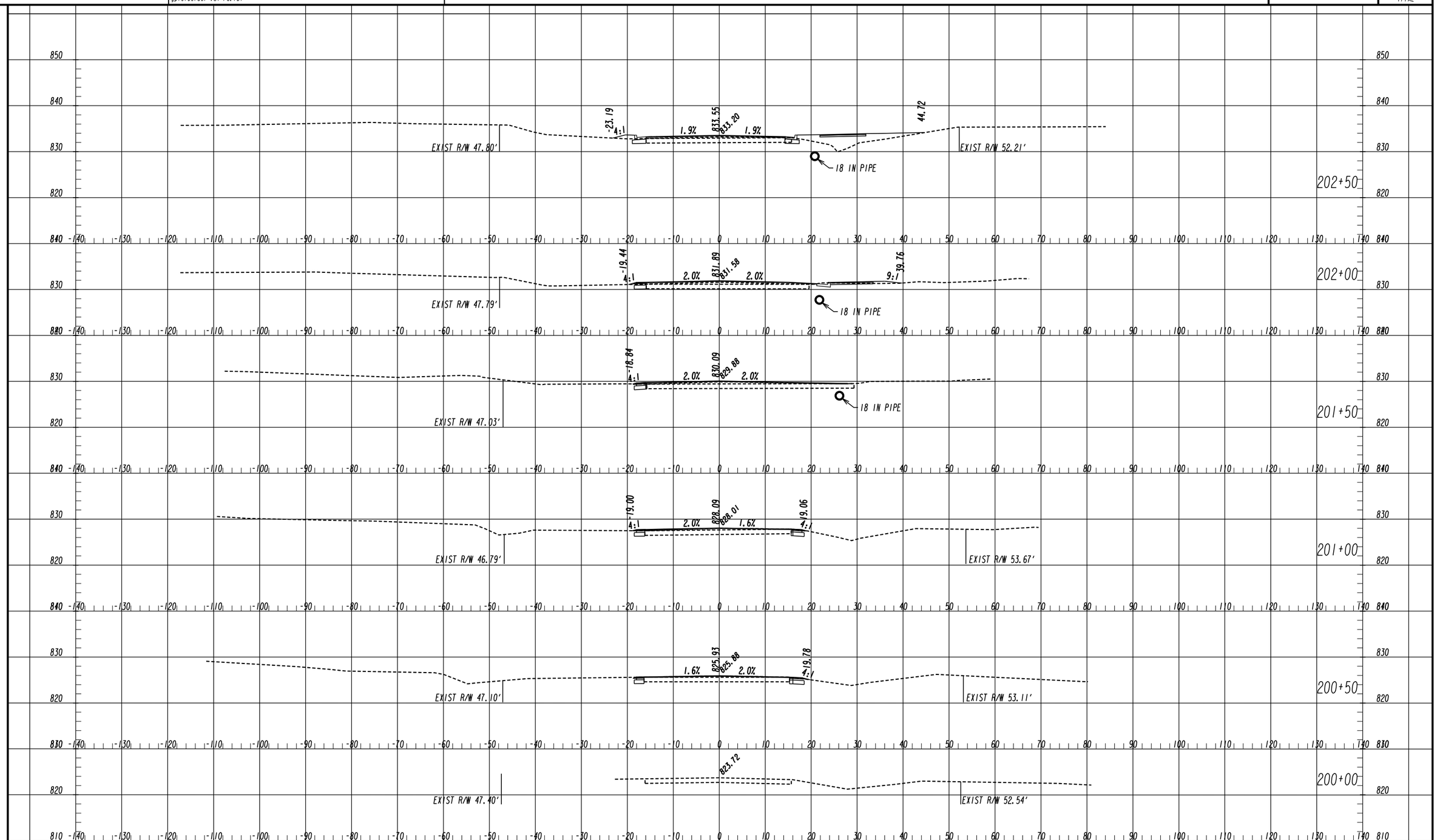
REVISION DATES

CROSS SECTIONS

REDWINE RD, PEACHTREE PKWY INTERSECTON
REDWINE ROAD

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	23-0005
CORRECTED:		DATE:	
VERIFIED:		DATE:	

7/31/2015 SUXSEW



CROY ENGINEERING — Engineers Planners Surveyors

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 10 20 40

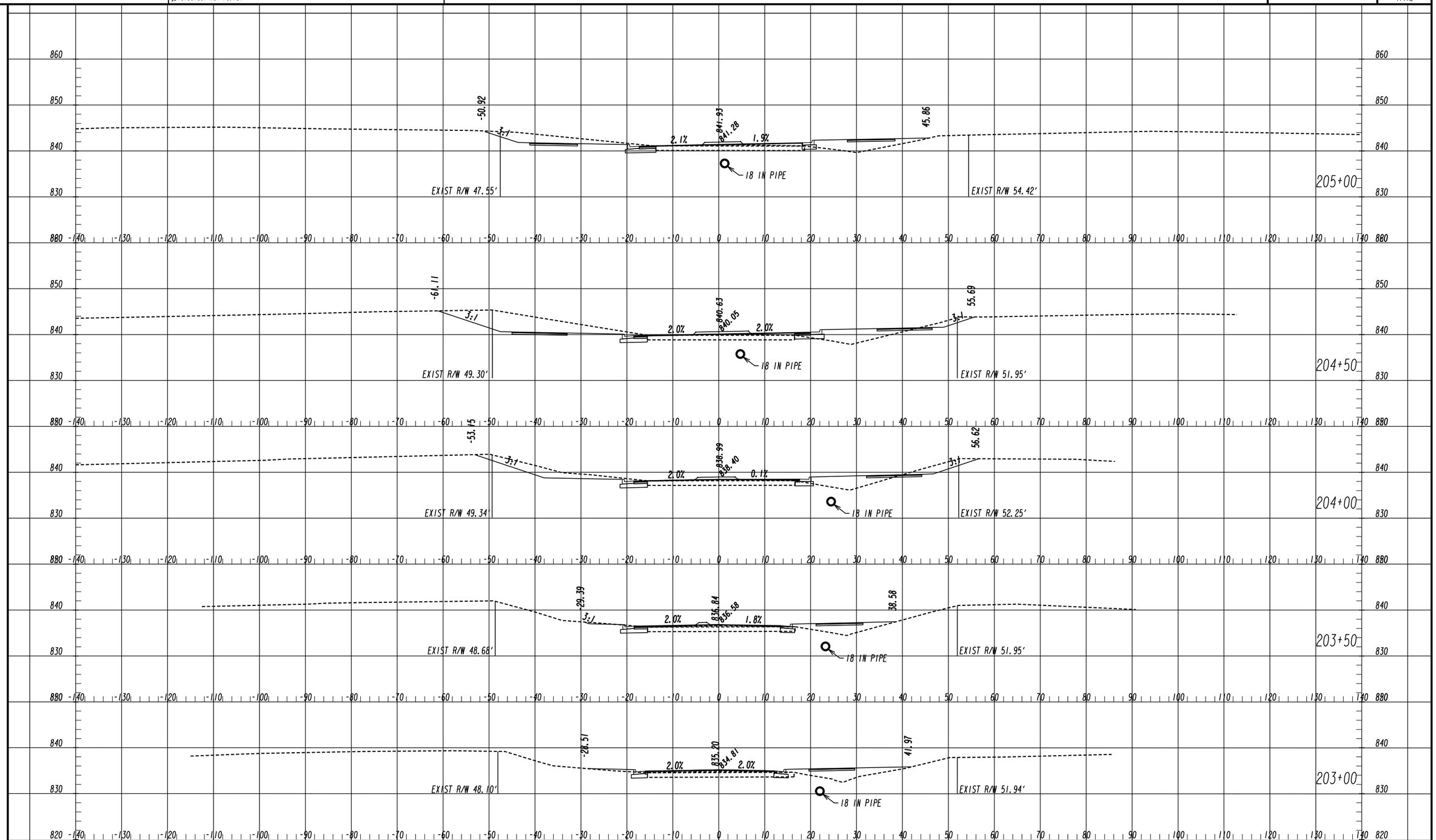
REVISION DATES

CROSS SECTIONS

REDWINE RD, PEACHTREE PKWY INTERSECTION
BERNHARD RD/PEACHTREE PKWY

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0006
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 SUXSEW



CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 10 20 40

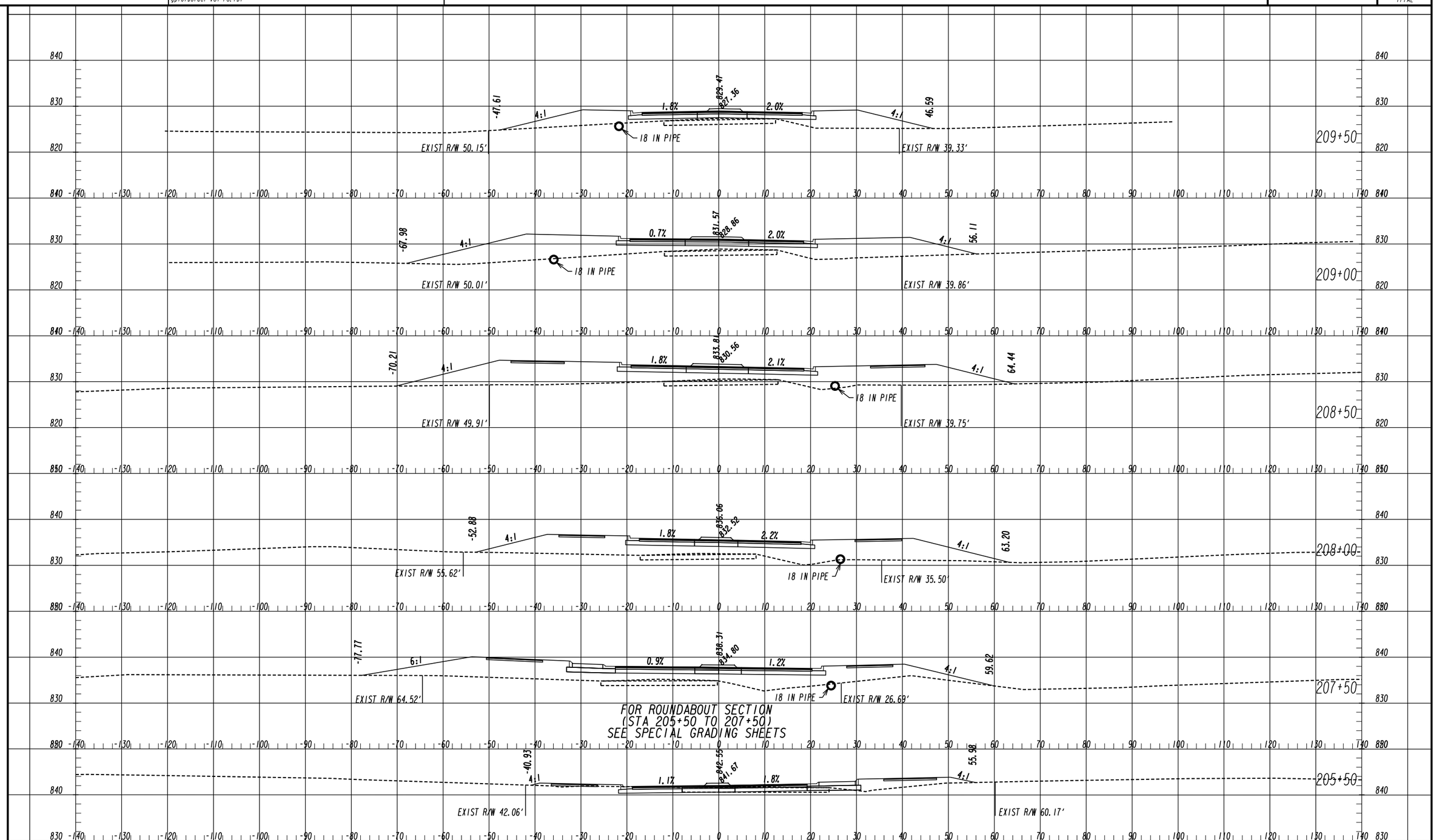
REVISION DATES

CROSS SECTIONS

REDWINE RD, PEACHTREE PKWY INTERSECTION
BERNHARD RD/PEACHTREE PKWY

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		23-0007
VERIFIED:		DATE:		

7/31/2015 SUXSEW



CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

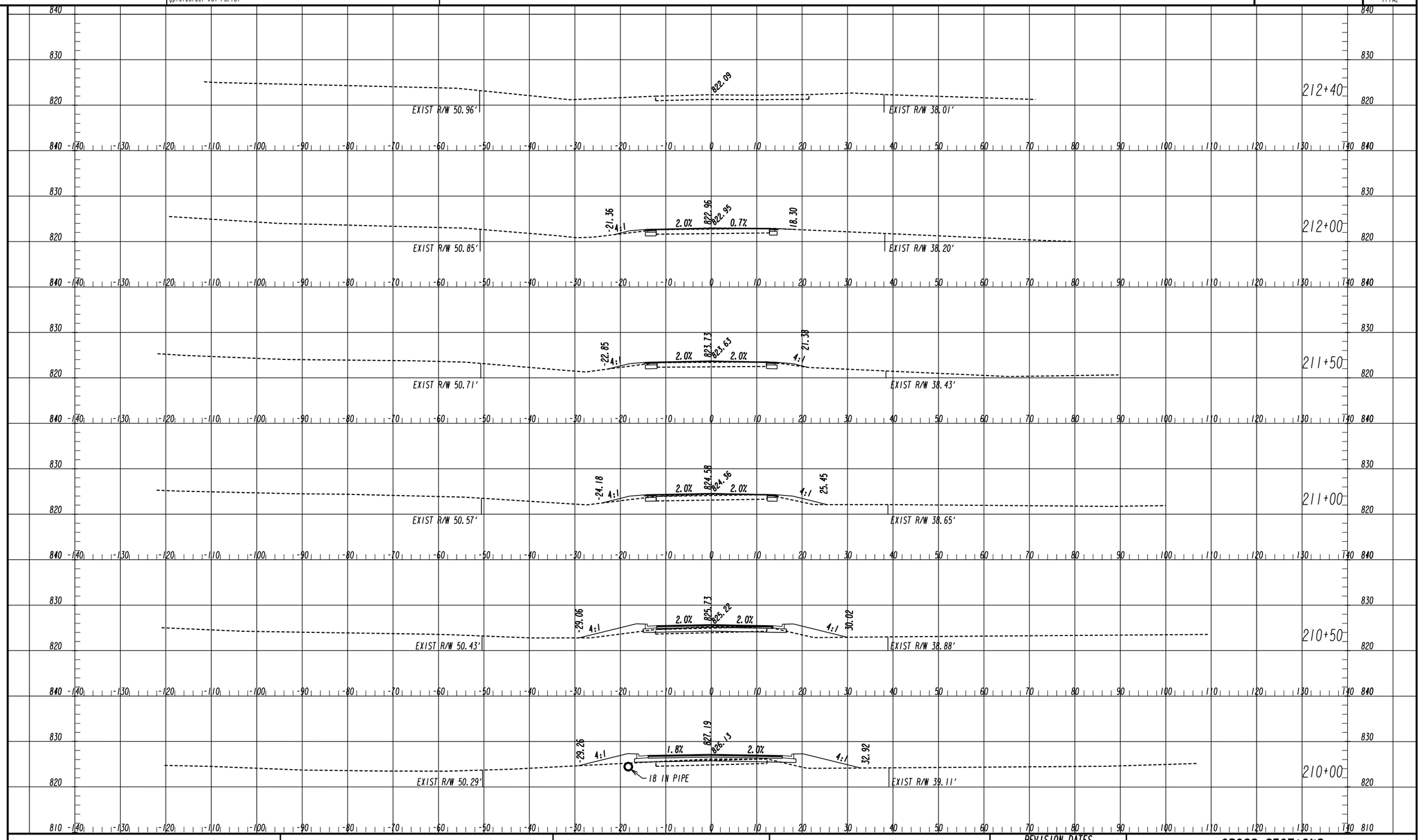
SCALE IN FEET
0 10 20 40

REVISION DATES

CROSS SECTIONS
REDWINE RD, PEACHTREE PKWY INTERSECTION
BERNHARD RD/PEACHTREE PKWY

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0008
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 SUXSEW



CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 10 20 40

REVISION DATES

CROSS SECTIONS

REDWINE RD, PEACHTREE PKWY INTERSECTION
BERNHARD RD/PEACHTREE PKWY

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0009
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 SUXSEW

UTILITY LINECODES

OVERHEAD

EXISTING	TO BE REMOVED	PROPOSED	TYPE OF UTILITY
E	E	E	ELECTRIC
E-T	E-T	E-T	ELECTRIC/TELECOMMUNICATIONS
E-TV	E-TV	E-TV	ELECTRIC/CABLE TV
E-TC	E-TC	E-TC	ELECTRIC/TRAFFIC CONTROL
E-T-TV	E-T-TV	E-T-TV	ELECTRIC/TELECOMMUNICATIONS/CABLE TV
E-T-TV-TC	E-T-TV-TC	E-T-TV-TC	ELECTRIC/TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
E-TV-TC	E-TV-TC	E-TV-TC	ELECTRIC/CABLE TV/TRAFFIC CONTROL
E-T-TC	E-T-TC	E-T-TC	ELECTRIC/TELECOMMUNICATIONS/TRAFFIC CONTROL
GW	GW	GW	GUY WIRE
T	T	T	TELECOMMUNICATIONS
T-TC	T-TC	T-TC	TELECOMMUNICATIONS/TRAFFIC CONTROL
T-TV-TC	T-TV-TC	T-TV-TC	TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
T-TV	T-TV	T-TV	TELECOMMUNICATIONS/CABLE TV
TV	TV	TV	CABLE TV
TV-TC	TV-TC	TV-TC	CABLE TV/TRAFFIC CONTROL
TC	TC	TC	TRAFFIC CONTROL

UNDERGROUND

EXISTING	TO BE REMOVED	PROPOSED	TYPE OF UTILITY
E	E	E	ELECTRIC (OL-D)
E(C)	E(C)		ELECTRIC (OL-C)
E(B)	E(B)		ELECTRIC (OL-B)
T	T	T	TELECOMMUNICATIONS (OL-D)
T(C)	T(C)		TELECOMMUNICATIONS (OL-C)
T(B)	T(B)		TELECOMMUNICATIONS (OL-B)
TV	TV	TV	CABLE TV (OL-D)
TV(C)	TV(C)		CABLE TV (OL-C)
TV(B)	TV(B)		CABLE TV (OL-B)
W	W	W	WATER (OL-D)
W(C)	W(C)		WATER (OL-C)
W(B)	W(B)		WATER (OL-B)
""W	""W	""W	WATER FOR LABELED PIPE SIZES (OL-D)
""W(C)	""W(C)		WATER FOR LABELED PIPE SIZES (OL-C)
""W(B)	""W(B)		WATER FOR LABELED PIPE SIZES (OL-B)
NW	NW	NW	NON-POTABLE WATER (OL-D)
NW(C)	NW(C)		NON-POTABLE WATER (OL-C)
NW(B)	NW(B)		NON-POTABLE WATER (OL-B)
""NW	""NW	""NW	NON-POTABLE WATER FOR LABELED PIPE SIZES (OL-D)
""NW(C)	""NW(C)		NON-POTABLE WATER FOR LABELED PIPE SIZES (OL-C)
""NW(B)	""NW(B)		NON-POTABLE WATER FOR LABELED PIPE SIZES (OL-B)
STM	STM	STM	STEAM (OL-D)
STM(C)	STM(C)		STEAM (OL-C)
STM(B)	STM(B)		STEAM (OL-B)
""STM	""STM	""STM	STEAM FOR LABELED PIPE SIZES (OL-D)
""STM(C)	""STM(C)		STEAM FOR LABELED PIPE SIZES (OL-C)
""STM(B)	""STM(B)		STEAM FOR LABELED PIPE SIZES (OL-B)
>SS	>SS	>SS	SANITARY SEWER WITH FLOW DIRECTION (OL-D)
>SS(C)	>SS(C)		SANITARY SEWER WITH FLOW DIRECTION (OL-C)
>SS(B)	>SS(B)		SANITARY SEWER WITH FLOW DIRECTION (OL-B)
>""SS	>""SS	>""SS	SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (OL-D)
>""SS(C)	>""SS(C)		SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (OL-C)
>""SS(B)	>""SS(B)		SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (OL-B)
>SFM	>SFM	>SFM	SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (OL-D)
>SFM(C)	>SFM(C)		SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (OL-C)
>SFM(B)	>SFM(B)		SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (OL-B)
G	G	G	GAS (OL-D)
G(C)	G(C)		GAS (OL-C)
G(B)	G(B)		GAS (OL-B)
""G	""G	""G	GAS FOR LABELED PIPE SIZES (OL-D)
""G(C)	""G(C)		GAS FOR LABELED PIPE SIZES (OL-C)
""G(B)	""G(B)		GAS FOR LABELED PIPE SIZES (OL-B)
P	P	P	PETROLEUM (OL-D)
P(C)	P(C)		PETROLEUM (OL-C)
P(B)	P(B)		PETROLEUM (OL-B)
""P	""P	""P	PETROLEUM FOR LABELED PIPE SIZES (OL-D)
""P(C)	""P(C)		PETROLEUM FOR LABELED PIPE SIZES (OL-C)
""P(B)	""P(B)		PETROLEUM FOR LABELED PIPE SIZES (OL-B)
TC			TRAFFIC CONTROL (OL-D)
TC(C)			TRAFFIC CONTROL (OL-C)
TC(B)			TRAFFIC CONTROL (OL-B)
UNK(B)	UNK(B)		UNKNOWN UTILITY FOUND IN SUE INVESTIGATION (OL-B)

FOR PROPOSED/TEMPORARY TRAFFIC CONTROL INFORMATION REFER TO TRAFFIC SIGNAL PLANS

UTILITY SYMBOLS

EXISTING | PROPOSED | TEMPORARY

- UTILITY POLE/GUY POLE
- LIGHT POLE
- GUY ANCHOR
- MARKER
- SPLICE BOX
- CABINET
- VENT
- ELECTRIC MANHOLE
- HAND HOLE
- TRANSFORMER
- ELECTRIC METER
- ELECTRIC BOX
- TRANSMISSION TOWER
- TELECOMMUNICATIONS MANHOLE
- TELECOMMUNICATIONS PEDESTAL
- SUBSCRIBER LOOP CARRIER (aka "SLICK")
- PHONE BOOTH
- CABLE TV PEDESTAL
- CABLE TV MANHOLE
- WATER VALVE
- WATER METER
- WATER MANHOLE
- FIRE HYDRANT ASSEMBLY (INCLUDES ASSOCIATED VALVE)
- BACKFLOW PREVENTER
- PRESSURE INDICATOR VALVE
- AIR RELEASE VALVE
- WELL
- WATER VAULT
- WATER VALVE MARKER
- STAND PIPE

EXISTING | PROPOSED | TEMPORARY

- CLEANOUT
- SANITARY SEWER MANHOLE
- AIR RELEASE VALVE
- GREASE TRAP
- SANITARY SEWER FORCE MAIN VALVE
- GAS VALVE
- GAS METER
- GAS MANHOLE
- GAS PRESSURE REGULATOR
- GAS VAULT
- GAS TEST STATION
- PETROLEUM VALVE
- TRAFFIC CONTROL MANHOLE/ ELECTRIC COMMUNICATIONS BOX
- TRAFFIC CONTROL PEDESTRIAN SIGNAL/BUTTON POST

FOR PROPOSED/TEMPORARY TRAFFIC CONTROL INFORMATION REFER TO TRAFFIC SIGNAL PLANS

MISCELLANEOUS

- LOS — LIMITS OF OVERHEAD AND SUBSURFACE UTILITY INVESTIGATION
- TH — TEST HOLE (OL-A ONLY)
- EOI — END OF INFORMATION
- QUALITY LEVEL (OL) DELINEATION
- 123 — POLE ID
- A01 — SANITARY SEWER MANHOLE (SSMH) ID
- C123 — CONFLICT LOCATION (UTILITY IMPACT ANALYSIS (UIA) ONLY)

QUALITY LEVELS AND DEFINITIONS

OL-D DEPICTED ACCORDING TO UTILITY RECORD INFORMATION AND IN-FIELD VISUAL INSPECTION. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.

OL-C EXISTING UTILITY STRUCTURES HAVE BEEN FIELD LOCATED AND SURVEYED TO ASSIST IN DEPICTING THE UTILITIES SHOWN ON RECORDS. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.

OL-B INFORMATION WAS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROPRIATE HORIZONTAL POSITION OF THE SUBSURFACE UTILITIES. OL-B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

OL-A OBTAIN PRECISE HORIZONTAL AND VERTICAL POSITION OF THE UTILITY LINE BY EXCAVATING A TEST HOLE. THE TEST HOLE SHALL BE DONE USING VACUUM EXCAVATION OR COMPARABLE NONDESTRUCTIVE EQUIPMENT IN A MANNER AS TO CAUSE NO DAMAGE TO THE UTILITY LINE. AFTER EXCAVATING A TEST HOLE, A FIELD SURVEY SHALL BE PERFORMED TO DETERMINE THE EXACT LOCATION AND POSITION OF THE UTILITY LINE.

TELEPHONE PAIR SIZE TABLE

TELEPHONE PAIR SIZE	TELEPHONE CABLE DIAMETER
5 - 100	0.50 TO 2.00 IN
101 - 2400	UP TO 3.50 IN

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

UTILITY PLANS LEGEND

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

DRAWING No. 24-0000

10/03/2015 LGNDSUN

ALL DEPTHS HAVE BEEN OBTAINED ELECTRONICALLY AND ARE FOR DESIGN PURPOSES ONLY. PHYSICAL VERIFICATION OF DEPTHS REQUIRED FOR CONSTRUCTION

NO FACILITIES

3

N/F
PID: 060216027
SENGER ROBERT B
KATHLEEN
110 LONGMEAD DR
DB1519 PG617
PB31 PG30-103.104

AT-34T2MT-036
BKMA-200
BKMA-300
(1) 10M

5B92MT-072
AT-34T2MT-036
BKMA-200
BKMA-300
(1) 10M

LL21

LL3

LL3

APPROX. L.L.L.

100+00

101+00

102+00

103+00

SV19

SV3

SV17

EXIST R/W

E-5.4

E-5.3

18"

REDWINE RD

BEGIN CONSTRUCTION
STA. 100+18.60
N: 1224712.3125
E: 2188551.4255

BEGIN PROJECT
STA. 100+00.00
N: 1224693.7250
E: 2188552.1330

108'

SV11

EXIST R/W

REQ'D R/W

MATCH LINE STA. 103+50

DRAWING No. 24-0002

EXISTING TO REMAIN:
6" STEEL GAS MAIN
WT: 0.188/GRADE: B
NOP: 300 PSIG
CP ANODE

5

N/F
PID: 0602 003
HERITAGE CHRISTIAN CHURCH
2130 REDWINE RD
DB1406 PG1

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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		24-0001
VERIFIED:		DATE:		

10/23/2015 GPLN

PWR POLE(S) IN CONFLICT
AT&T WILL TRANSFER/REPLACE
CABLES TO NEW PWR POLES

MATCH LINE STA. 205+00.00 DRAWING No. 24-0004

ABANDON:
2" PLASTIC GAS MAIN
ABANDON:
2" STEEL GAS MAIN
ABANDON:
2" REG. STATION
BELOW GROUND
PROPOSED:
900'X4" PLASTIC GAS MAIN
NOP: 60 PSIG
PROPOSED:
405'X2" STEEL GAS MAIN
WT: 0.154/GRADE: X52
NOP: 300 PSIG
ABANDON:
4" PLASTIC GAS MAIN
ABANDON:
2" STEEL GAS MAIN
ABANDON:
2" GAS VALVE

LL21

4
N/F
PID: 060216028
HARRIS ROSLYN B
100 LONGMEAD DR
DB4432 PG625
PB30 PG103-105

6
N/F
PID: 060210006
COTE CRAIG J
EVONNE M
155 WOODMERE LN
DB1282 PG21
PB29 PG159-164

41' POWER EASEMENT

PROPOSED
POWER POLE

FAYETTE EMC TO
REMOVE POLE

ABANDON:
6" STEEL GAS MAIN
PROPOSED:
530'X6" STEEL GAS MAIN
WT: 0.188/GRADE: X52
NOP: 300 PSIG

8
N/F
PID: 0602 18022
NEWHAVEN COMMUNITY
ASSOCIATION
DB2759 PG425

PROPOSED:
2" GAS VALVE

CUT&CAP
TIE-INTO
6" STEEL GAS MAIN
WT: 0.188/GRADE: B
NOP: 300 PSIG
INSTALL 17# ANODE
AND TEST STATION

REDWINE ROAD
STA 105+88.75
PEACHTREE PWKY/
BERNHARD ROAD
STA 206+54.19
N: 1225279.5158
E: 2188570.8192

5
N/F
PID: 0602 003
HERITAGE CHRISTIAN CHURCH
2130 REDWINE RD
DB1406 PG1

LL3

PROPOSED:
385'X6" STEEL GAS MAIN
WT: 0.188/GRADE: X52
NOP: 300 PSIG

AT&T WILL REPLACE THE
BURIED AT-34T2WT-036
THAT IS IN CONFLICT
WITH NEW AERIAL FIBER
CABLE

MATCH LINE STA. 208+00.00 DRAWING No. 24-0005

MATCH LINE STA. 103+50.00 DRAWING No. 24-0001

MATCH LINE STA. 108+50.00 DRAWING No. 24-0003

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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		24-0002
VERIFIED:		DATE:		

10/23/2015 GPLN

DRAWING No. 24-0002

MATCH LINE STA. 108+50.00

6
N/F
PID: 060210006
COTE CRAIG J
EVONNE M
155 WOODMERE LN
DB1282 PG21
PB29 PG159-164

7
N/F
PID: 060210007
FULMER GARY E
MICHELLE ANNE
150 WOODMERE LN
DB1335 PG702
PB29 PG159-164

NO FACILITIES

AT&T WILL REPLACE THE BURIED AT-34T2MT-036 THAT IS IN CONFLICT WITH NEW AERIAL FIBER CABLE

108+00 109+00 110+00 111+00 112+00 112+41

80'O'D R/W

F-5.0 F-4.0 F-3.0 F-2.0 F-1.1 F-1.0 C-1.0 C-0.0

18"

REM EX PIPE

REDWINE RD

AT-34T2MT-036

5B92MT-072
•2320074
•2080078
•2017540
(1) CABLE
(1) 10W
(1) 6.6W

5B92MT-072
•2320074
•2080078
•2017540
(1) CABLE
(1) 10W
(1) 6.6W

WOOD FENCE

3' WOOD FENCE

ABANDON:
6" STEEL GAS MAIN

PROPOSED:
6" STEEL GAS MAIN
WT: 0.188/GRADE: X52
NOP: 300 PSIG

EXISTING TO REMAIN:
6" STEEL GAS MAIN
WT: 0.188/GRADE: B
NOP: 300 PSIG
CP ANODE

CUT&CAP
TIE-INTO
6" STEEL GAS MAIN
WT: 0.188/GRADE: B
NOP: 300 PSIG
INSTALL 17# ANODE
AND TEST STATION

8
N/F
PID: 0602 18022
NEWHAVEN COMMUNITY
ASSOCIATION
DB2759 PG425

END CONSTRUCTION/
END PROJECT
STA. 112+00.00
N: 1225888.9070
E: 2188573.2787

LL3

THE EXACT SPLICE LOCATION FOR THE PROPOSED CABLE TO BE DETERMINED ON THE DESIGN PORTION OF THIS ROAD MOVE

AT&T WILL PLACE PROPOSED BURIED CABLE 1' INSIDE THE BACK OF R/W AT 36" MIN. DEPTH

1'

114

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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		24-0003
VERIFIED:		DATE:		

10/23/2015 GPLN

PROPOSED:
110'X4" PLASTIC GAS MAIN
NOP: 60 PSIG

CUT&CAP
TIE-INTO
4" PLASTIC GAS MAIN
NOP: 60 PSIG

EXISTING TO REMAIN:
4" PLASTIC GAS MAIN
NOP: 60 PSIG

PROPOSED:
210'X2" PLASTIC GAS MAIN
NOP: 60 PSIG

ABANDON:
2" PLASTIC GAS MAIN

PROPOSED:
20'X2" PLASTIC GAS MAIN
NOP: 60 PSIG

PROPOSED:
4" PLASTIC GAS MAIN
NOP: 60 PSIG

NO AT&T CONFLICTS ON THIS DRAWING

PROPOSED:
2" GAS VALVE

PROPOSED:
35'X2" PLASTIC GAS MAIN
NOP: 60 PSIG

PROPOSED:
2" REG. STATION
ABOVE GROUND

PROPOSED:
35'X2" STEEL GAS MAIN
WT: 0.154/GRADE: X52
NOP: 300 PSIG

PROPOSED:
2" GAS VALVE

ABANDON:
2" PLASTIC GAS MAIN

6
N/F
PID: 060210006
COTE CRAIG J
EVONNE M
155 WOODMERE LN
DB1282 PG21
PB29 PG159-164

PEACHTREE PKWY
STA 201+71.35
LONGMEAD DR
STA 10+00.00
N: 1225298.0458
E: 2188089.8789

200+00 | 201+00 | 202+00 | 203+00 | 204+00 | 205+00

TP3 CONC SPILLWAY
GA STD 9013

PEACHTREE PKWY
S 89°53'36.1" E
109.54'
CURVE #9
10+00
S 88°26'32.5" E
307.91'
CURVE #10

LIMITS OF CONSTRUCTION
STA. 200+25.00
N: 1225299.4025
E: 2187943.5419

PROPOSED:
160'X2" PLASTIC GAS MAIN
NOP: 60 PSIG

ABANDON:
2" PLASTIC GAS MAIN

CUT&CAP
TIE-INTO
2" PLASTIC GAS MAIN
NOP: 60 PSIG

EXISTING TO REMAIN:
2" PLASTIC GAS MAIN
NOP: 60 PSIG

S01°33'27.5"W
91.11'
LONGMEAD DR

STUB-IN
102
REM EX PIPE

TIMBERLAKE

10+91

4
N/F
PID: 060216028
HARRIS ROSLYN B
100 LONGMEAD DR
DB4432 PG625
PB30 PG103-105

REQ'D R/W

D-4.0 | D-3.0 | D-2.0 | D-1.0 | D-0.0

18" | 24"

MATCH LINE STA. 205+00.00

DRAWING No. 24-0002

N

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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS

REDWINE RD, PEACHTREE PKWY INTERSECTION
PEACHTREE PKWY EXT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		24-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

PROPOSED:
4" PLASTIC GAS MAIN
NOP: 60 PSIG

ABANDON:
4" PLASTIC GAS MAIN

CUT&CAP
TIE-INTO
4" PLASTIC GAS MAIN
NOP: 60 PSIG

EXISTING TO REMAIN:
4" PLASTIC GAS MAIN
NOP: 60 PSIG

NO AT&T CONFLICTS ON THIS DRAWING

SR-5B9WT-048
BHAA-50
KHAH-106
(1) 10M

SR-5B9WT-048
BHAA-50
KHAH-106
(1) 10M

BKWA-50
(1) 10M

'113

'112

8
N/F
PID: 0602 18022
NEWHAVEN COMMUNITY
ASSOCIATION
DB2759 PG425

5
N/F
PID: 0602 003
HERITAGE CHRISTIAN CHURCH
2130 REDWINE RD
DB1406 PG1

208+00
209+00
210+00
211+00
212+00
212+40

DRAWING No. 24-0002

MATCH LINE STA. 208+00.00

EXIST R/W

REQ'D R/W

BERNHARD RD

E-0.0
E-1.0
E-2.0
E-3.0
E-4.0
I-0.0

18"

TP3 CONC SPILLWAY
GA STD 9013

LIMITS OF CONSTRUCTION
STA. 211+97.72
N: 1225270.2472
E: 2189112.1601

N

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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
REDWINE RD, PEACHTREE PKWY INTERSECTION
BERNHARD ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		24-0005
VERIFIED:		DATE:		

10/23/2015 GPLN

SIGNING AND PAVEMENT MARKING GENERAL NOTES

1. ALL ITEMS NECESSARY FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR THE SPECIFIC ITEM.
2. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD), LATEST EDITION, AND ANY APPLICABLE FAYETTE COUNTY STANDARDS.
3. ALL INSTALLATION MATERIALS AND METHODS SHALL COMPLY WITH CURRENT GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS AND/OR SPECIAL PROVISIONS.
4. RAISED PAVEMENT MARKERS (RPM'S) SHALL BE PROVIDED PER GEORGIA DEPARTMENT OF TRANSPORTATION DETAIL T-15A.
5. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, OR PREFORMED PLASTIC CONTRAST TAPE ON CONCRETE SURFACES, UNLESS OTHERWISE NOTED.
6. TYPE 3 RETROREFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS REQUIRING REFLECTORIZED BACKGROUNDS EXCEPT AS SPECIFIED BELOW OR SPECIFIED OTHERWISE IN THE PLANS.

   TYPE 11 RETROREFLECTIVE SHEETING SHALL BE USED FOR ALL RED-SERIES SIGNS (R1-1, R1-2, R1-3P, R5-1, R5-1a), WARNING SIGNS (EXCEPT OM1, OM2, OM3, AND OM4) AND OVERHEAD SIGNS. SCHOOL AND PEDESTRIAN-RELATED WARNING SIGNS, WITH THEIR REQUIRED PLAQUES AND ADVISORY NAME BLADES, SHALL HAVE FLORESCENT YELLOW/GREEN COLOR, TYPE 11 SHEETING, AND THE ADVISORY BLADE SHALL BE INSTALLED BELOW THE S1-1 SCHOOL SIGN.
7. ALL SIGNS SHALL BE ON 5052-H38 FLAT ALUMINUM ALLOY (0.080 GAUGE THICKNESS) WITH ROUNDED CORNERS. ALL SIGNS SHALL MEET OR EXCEED ASTM D 4956 SPECIFICATIONS FOR RETROREFLECTIVITY.THE APPROPRIATE HIGHWAY COLOR TOLERANCE CHARTS ISSUED BY THE FHWA UTILIZING THE INSTRUCTIONS THEREON.
8. UNLESS OTHERWISE NOTED, SIGN POSTS SHALL BE TYPE 7 (2" 14 GAUGE) STEEL GALVANIZED POSTS, AS DIRECTED IN GEORGIA DEPARTMENT OF TRANSPORTATION INSTALLATION DETAIL T-3A. WHERE STREET BLADES (D3-1 'S) ARE SPECIFIED ABOVE STOP SIGNS (R1-1 'S), THESE BLADES SHALL BE ATTACHED DIRECTLY TO THE POST ABOVE THE R1-1. EACH STREET SHALL HAVE TWO SINGLE-SIDED BLADES INSTALLED BACK-TO-BACK ON THE OUTSIDE OF THE POST AND FASTENED AT THE EDGES.
9. SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS OF THE MUTCD, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR WITHOUT PRIOR APPROVAL FROM FAYETTE COUNTY PUBLIC WORKS DEPARTMENT.
10. IN RESIDENTIAL AREAS SIGNS SHALL BE LOCATED ON, OR AS CLOSE AS POSSIBLE TO, PROPERTY LINES.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL SIGNS/POSTS/PAVEMENT MARKINGS THAT ARE DUPLICATED OR CONTRARY TO THESE PLANS.
12. ALL R4-7 (KEEP RIGHT) SIGNS SHALL BE INSTALLED 10 FEET FROM THE END (BULLNOSES) OF MEDIANS.
13. STREET NAME BLADES (D3'S) SHALL BE PROVIDED BY THE CONTRACTOR. SUPPLEMENTARY LETTERING TO INDICATE TYPE OF ROAD (SUCH AS ST OR RD) SHALL BE OF THE SAME LETTERING SIZE AS THE STREET NAME, AS DIRECTED BELOW. ALL D3'S SHALL BE "WHITE ON GREEN", EXCEPT PRIVATE ROADS WHICH SHALL BE "WHITE ON BLUE."

    LOCAL ROAD D3'S (NOT ON COUNTY'S MAJOR THOROUGHFARE PLAN) - 8-INCH METAL BLADE, 4-INCH INITIAL UPPER-CASE, 3-INCH LOWER CASE, SERIES "C", TYPE 3 SHEETING. SPACING RATIO SHALL BE 100% WHEN SIGN LENGTH DOES NOT EXCEED 46 INCHES. ARROWS SHALL BE PROVIDED AS NECESSARY TO CLARIFY STREET NAME CHANGES AT INTERSECTIONS.

    MAJOR THOROUGHFARE PLAN ROAD D3'S - 9-INCH METAL BLADE, 12-INCH INITIAL UPPER-CASE, 4.5-INCH LOWER-CASE, 0.5-INCH WHITE BORDER, SERIES "C", TYPE 3 SHEETING. SPACING RATIO SHALL BE 100% WHEN SIGN LENGTH DOES NOT EXCEED 66 INCHES. ARROWS SHALL BE PROVIDED AS NECESSARY TO CLARIFY STREET NAME CHANGES TO INTERSECTIONS.

    MULTI-LANE ROAD D3'S (45 MPH OR HIGHER) - 12-INCH METAL BLADE, 8-INCH INITIAL UPPER-CASE, 6-INCH LOWER-CASE, 0.5-INCH WHITE BORDER, SERIES "C", TYPE 3 SHEETING. SPACING RATIO SHALL BE 100% WHEN SIGN LENGTH DOES NOT EXCEED 66 INCHES. ARROWS SHALL BE PROVIDED AS NECESSARY TO CLARIFY STREET NAME CHANGES TO INTERSECTIONS.

    OVERHEAD D3'S (TYPICALLY AT SIGNALIZED INTERSECTIONS) - 18-INCH METAL BLADE, 12-INCH INITIAL UPPER-CASE, 9-INCH LOWER-CASE, 1-INCH WHITE BORDER, SERIES "C", TYPE 11 SHEETING. ARROWS SHALL BE PROVIDED AS NECESSARY TO CLARIFY STREET NAME CHANGES TO INTERSECTIONS. MAXIMUM SIGN LENGTH SHALL BE 120 INCHES (96 INCHES PREFERABLE).
14. ALL SIGNAL AHEAD (W3-3) CROSS ROAD (W2-1) AND SIDE ROAD (W2-2) SIGNS SHALL HAVE W16-8P SUPPLEMENTAL PLAQUES INSTALLED BELOW THE WARNING SIGN ADVISING MOTORISTS OF THE NAME OF APPROACHING STREET(S). W16-8P SUPPLEMENTAL PLAQUES SHALL BE 9-INCH WITH A 0.5-INCH BLACK BORDER FOR ONE LINE AND 24-INCH WITH A 0.6-INCH BLACK BORDER FOR TWO LINES, BLACK ON YELLOW. ALL LETTERING SHALL BE 5-INCH SERIES "C", UPPER AND LOWER CASE. AT LOCATIONS WHERE STREETS CHANGE NAMES, 5-INCH ARROWS SHALL BE PROVIDED ON THE ADVISORY BLADES TO INDICATE THE CORRECT STREET NAME.
15. PLANS SHALL INCLUDE SHEET(S) DETAILING FABRICATION SPECIFICATIONS FOR ALL REQUIRED ADVISORY NAME BLADES AND D3'S.
16. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF EXISTING TRAFFIC CONTROL SIGNS THROUGHOUT CONSTRUCTION. THIS INCLUDES CLEANING AND REPLACEMENT OF EXISTING SIGNS SHOULD THESE SIGNS NEED CLEANING, REPAIR OR REPLACEMENT DURING CONSTRUCTION.
17. ALL EXISTING PAVEMENT MARKINGS SHOWING TO BE REMOVED OR CONFLICTING WITH NEW PAVEMENT MARKINGS SHALL BE OBLITERATED BY HYDROBLASTING OR SANDBLASTING (GRINDING AND BLACKOUT PAINT ARE PROHIBITED).

GEORGIA 811 Utilities Protection Center, Inc. Know what's below. Call before you dig.

REVISED DATE 09/17/2018

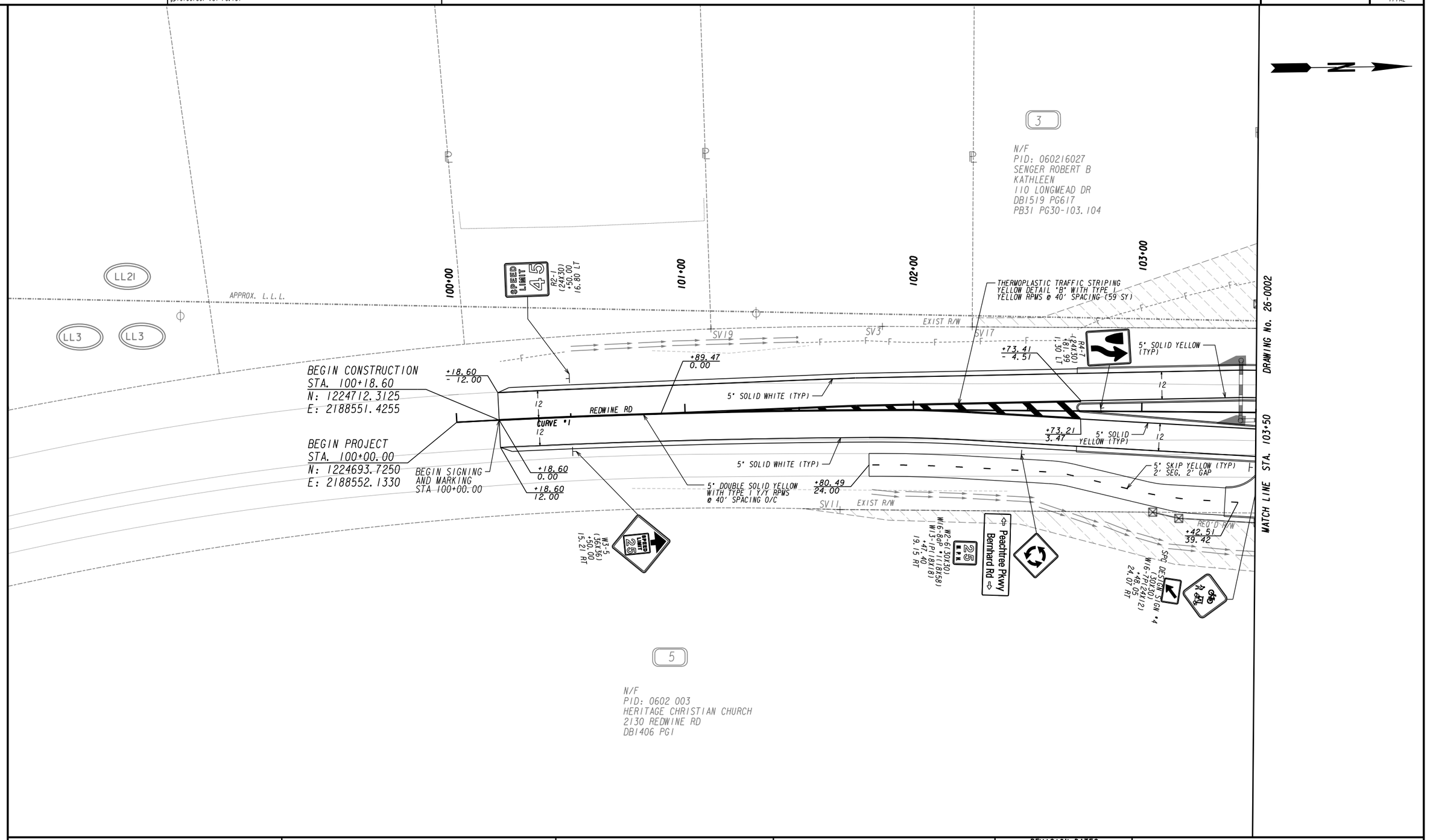
CROY ENGINEERING Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

SIGNING AND MARKING PLANS
REDWINE RD, BERNHARD RD & PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		26-0000
VERIFIED:		DATE:		

10/23/2015 GPLN



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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

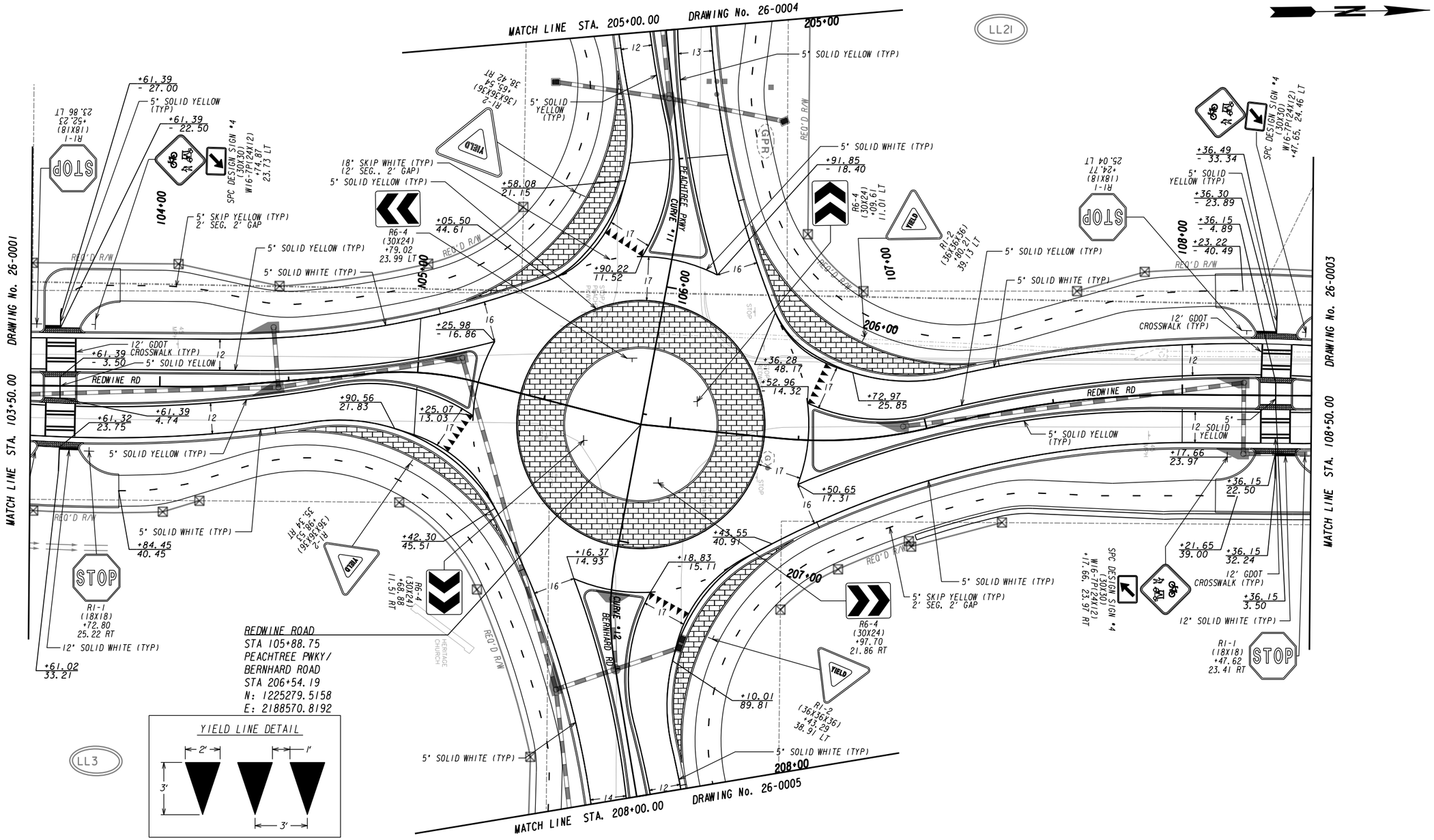
REVISION DATES

SIGNING AND MARKING PLANS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		26-0001
VERIFIED:		DATE:		

10/23/2015 GPLN



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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

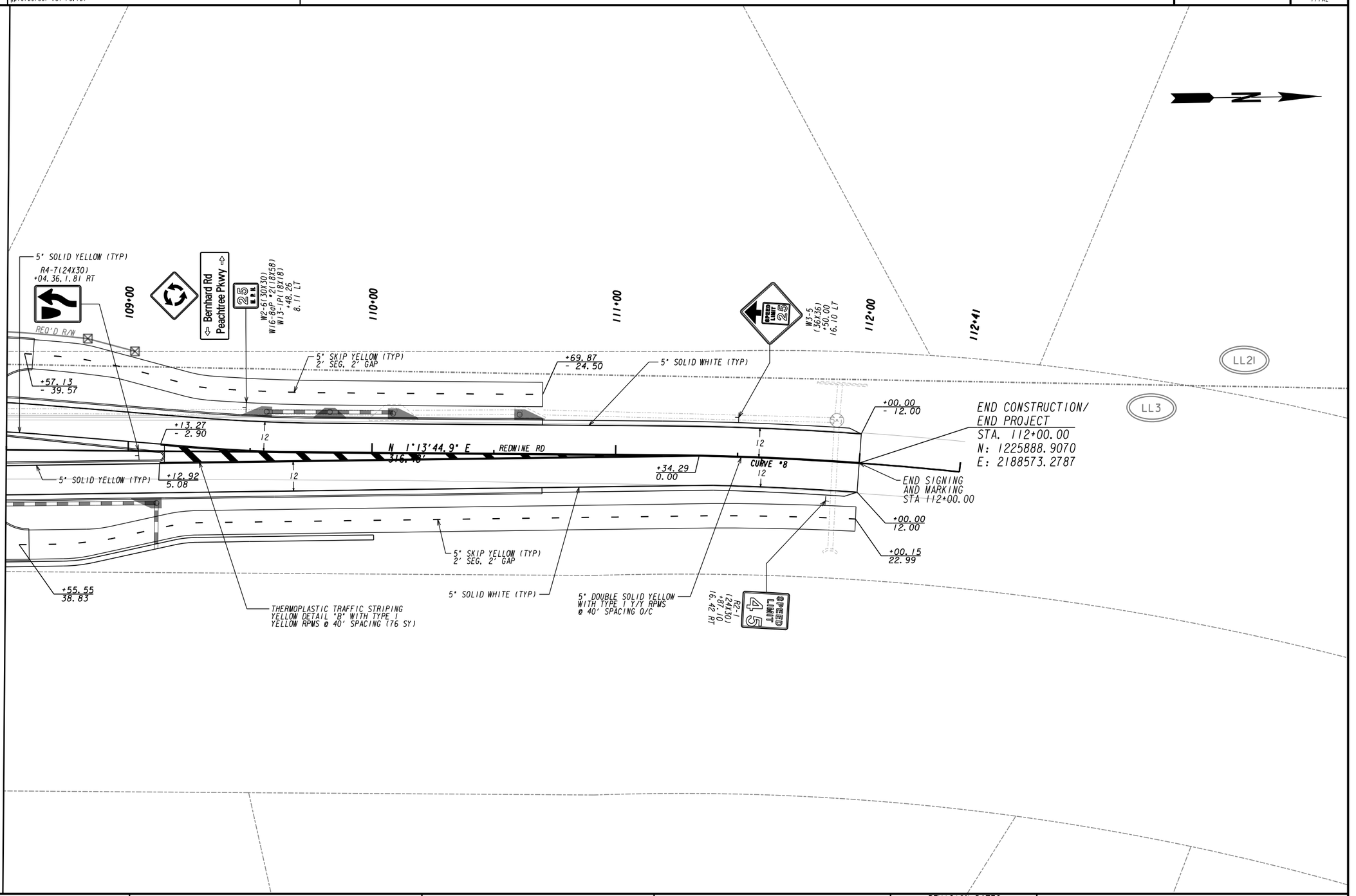
REVISION DATES

SIGNING AND MARKING PLANS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		26-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

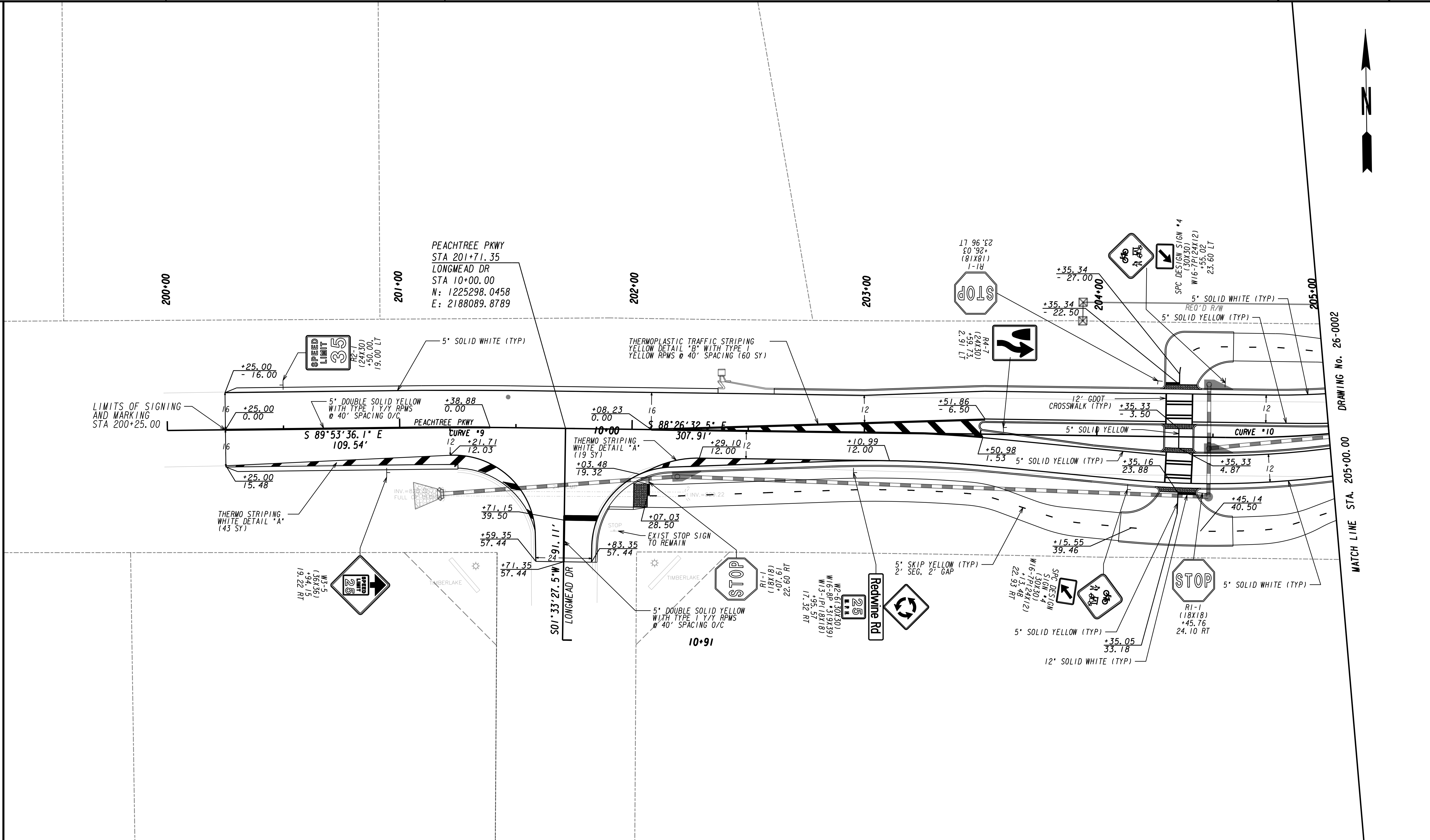
REVISION DATES

SIGNING AND MARKING PLANS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		26-0003
VERIFIED:		DATE:		

10/23/2015 GPLN


PEACHTREE PKWY
STA 201+71.35
LONGMEAD DR
STA 10+00.00
N: 1225298.0458
E: 2188089.8789
200+00
201+00
202+00
203+00
204+00
205+00
LIMITS OF SIGNING AND MARKING STA 200+25.00
5' SOLID WHITE (TYP)
5' DOUBLE SOLID YELLOW WITH TYPE I Y/Y RPMS @ 40' SPACING O/C
S 89°53'36.1" E
109.54'
S 88°26'32.5" E
307.91'
CURVE #9
CURVE #10
THERMO STRIPING WHITE DETAIL 'A' (43 SY)
THERMO STRIPING WHITE DETAIL 'A' (19 SY)
THERMOPLASTIC TRAFFIC STRIPING YELLOW DETAIL 'B' WITH TYPE I YELLOW RPMS @ 40' SPACING (60 SY)
EXIST STOP SIGN TO REMAIN
S01°33'27.5"W 91.11'
LONGMEAD DR
10+91
5' SKIP YELLOW (TYP) 2' SEG, 2' GAP
12' GDOT CROSSWALK (TYP)
5' SOLID YELLOW (TYP)
12" SOLID WHITE (TYP)
REQ'D R/W
SPC DESIGN SIGN #4 (30X30) W16-7P(24X12) +55.02 23.60 LT
R4-7 (24X30) +59.73 2.91 LT
R1-1 (18X18) +26.03 23.96 LT
R2-1 (24X30) +50.00 19.00 LT
W3-5 (36X36) +94.15 19.22 RT
R1-1 (18X18) +45.76 24.10 RT
W2-6(30X30) W16-8P #3(9X39) W13-1P(18X18) +95.57 17.32 RT
MATCH LINE STA. 205+00.00
DRAWING No. 26-0002
Redwine Rd

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	
BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS

REDWINE RD, PEACHTREE PKWY INTERSECTION

PEACHTREE PKWY EXT

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

DRAWING No. 26-0004

10/23/2015 GPLN

APPROX. GPC-T EASEMENT

DETENTION BASIN #2
WITH
20' MAINTENACE ESMT.

N

DRAWING No. 26-0002

MATCH LINE STA. 208+00.00

208+00

209+00

210+00

211+00

212+00

212+40

5" SOLID WHITE (TYP)

12" SOLID WHITE (TYP)

5" SOLID YELLOW (TYP)

R1-1 (18X18) +74.04 24.74 LT

+85.20 - 28.24

SPC DESIGN SIGN #4 (30X30) W16-7P(24X12) +99.35 26.93 LT

Redwine Rd

W2-6(30X30) W16-8P(18X39) W13-1P(18X18) +28.95 17.44 LT

W3-5 (36X36) +09.81 19.69 LT

R4-7 (24X30) +69.69 1.70 RT

+85.11 - 4.92

+85.11 - 23.92

+78.51 - 3.14

+78.33 4.80

+73.60 0.00

+97.72 - 12.00

+97.72 0.00

+97.72 12.00

12

CURVE #13

BERNHARD RD

S 88°26'32.5" E 385.34'

5" SOLID YELLOW (TYP)

5" SOLID YELLOW

5" SOLID WHITE (TYP)

+85.10 3.50

THERMOPLASTIC TRAFFIC STRIPING YELLOW DETAIL 'B' WITH TYPE I YELLOW RPMS @ 40' SPACING (38 SY)

LIMITS OF SIGNING AND MARKING STA 211+97.72

REQ'D R/W

5" SKIP YELLOW (TYP) 2' SEG. 2' GAP

12' GDOT CROSSWALK (TYP)

+85.10 22.50

+85.10 27.00

STOP

R1-1 (18X18) +94.45 23.62 RT

SPC DESIGN SIGN #4 (30X30) W16-7P(24X12) +68.77 24.76 RT

5" DOUBLE SOLID YELLOW WITH TYPE I Y/Y RPMS @ 40' SPACING O/C

SPEED LIMIT 45

R2-1 (24X30) +50.00 16.00 RT

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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

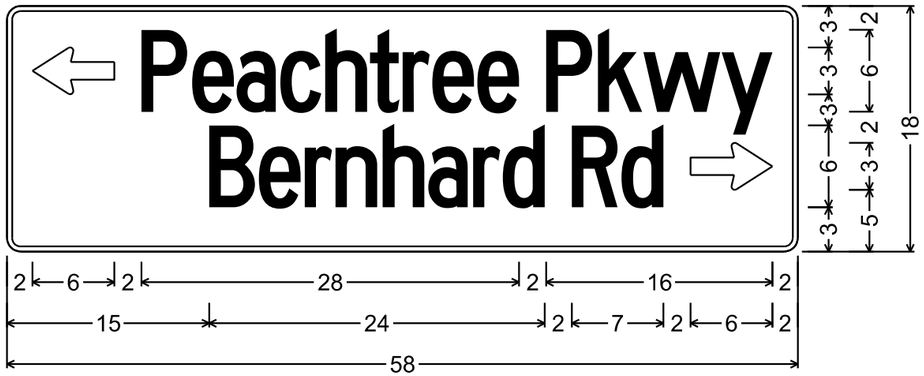
REVISION DATES

SIGNING AND MARKING PLANS

REDWINE RD, PEACHTREE PKWY INTERSECTION
BERNHARD ROAD

		DATE:		DRAWING No.
CHECKED:		DATE:		26-0005
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



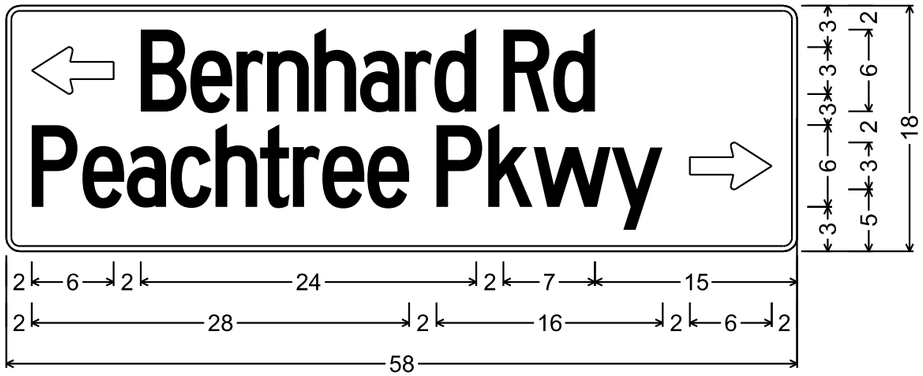
1" Radius, 0" Border, Black on Yellow;

Standard Arrow Custom 6" X 3" 180°; [Peachtree] C 2K 40% spacing;

[Pkwy] C 2K 40% spacing; [Bernhard] C 2K 40% spacing;

[Rd] C 2K 40% spacing; Standard Arrow Custom 6" X 3" 0°;

W16-8aP #1
STA 102+47.40, 19.15 RT



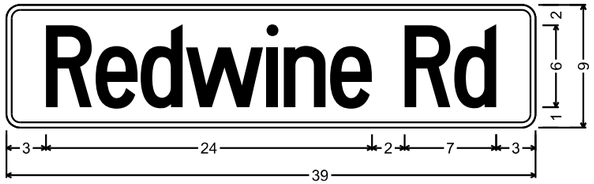
1" Radius, 0" Border, Black on Yellow;

Standard Arrow Custom 6" X 3" 180°; [Bernhard] C 2K 40% spacing;

[Rd] C 2K 40% spacing; [Peachtree] C 2K 40% spacing;

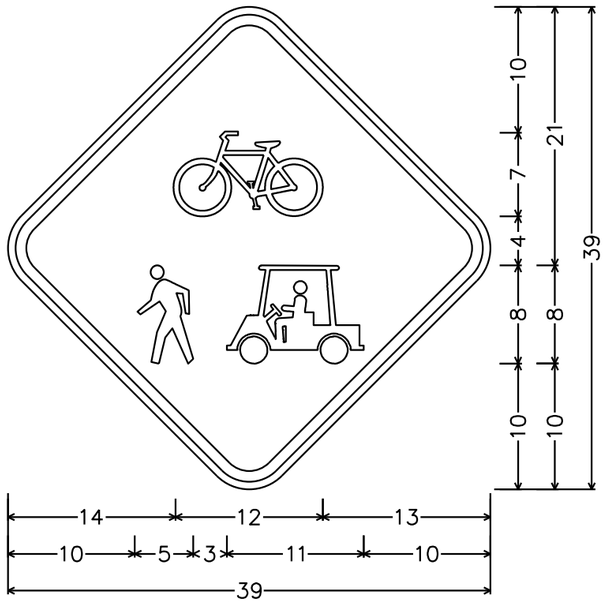
[Pkwy] C 2K 40% spacing; Standard Arrow Custom 6" X 3" 0°;

W16-8aP #2
STA 109+48.26, 18.11 LT



1" Radius, 0" Border, Black on Yellow;

W16-8P #3
STA 202+95.57, 17.32 RT
STA 210+11.08, 18.63 RT



30" across sides 4" Radius, 1" Border, 1" Indent, Black on Yellow;
Symbol RG025; Walking Man; Golf Cart;

SPECIAL DESIGN SIGN #4
LOCATED AT ALL CROSSWALKS

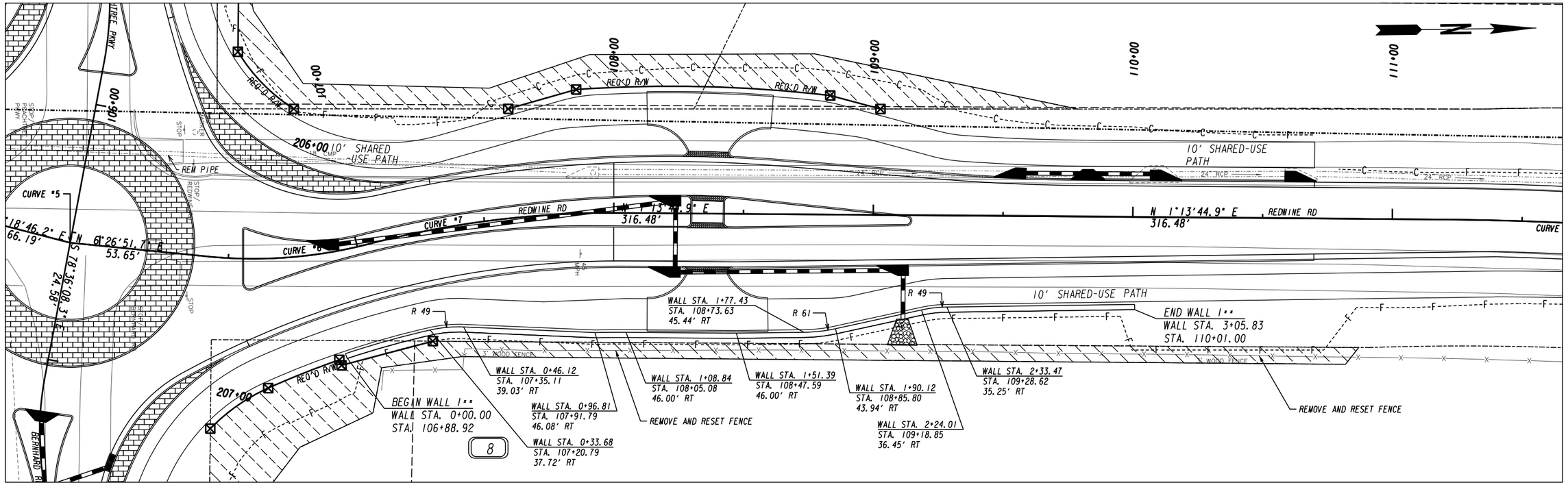
CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

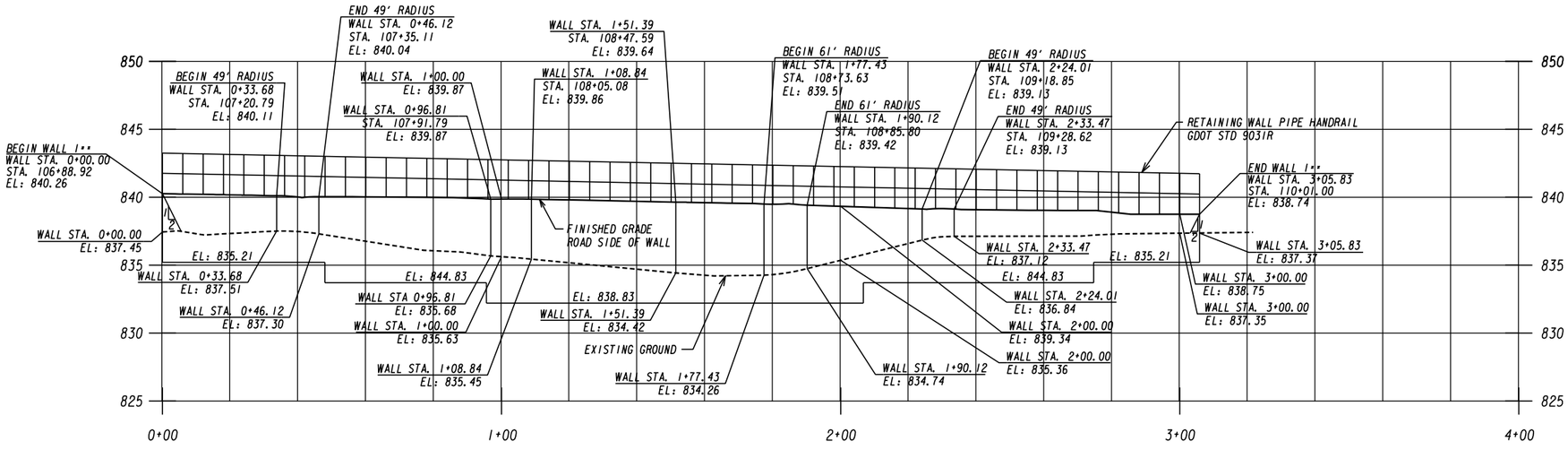
REVISION DATES

SIGNING AND MARKING PLANS
REDWINE RD, BERNHARD RD &
PEACHTREE PKWY INTERSECTION

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

DRAWING No. 26-0006





*WALL IS APPROXIMATELY 1032 SF
**MODULAR WALL OR APPROVED EQUIVALENT

CROY
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

VERTICAL SCALE IN FEET 0 5 10 20
HORIZONTAL SCALE IN FEET 0 20 40 80

REVISION DATES

RETAINING WALL ENVELOPES

REDWINE RD, PEACHTREE PKWY INTERSECTION
WALL 1

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		31-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

ALL DEPTHS HAVE BEEN OBTAINED ELECTRONICALLY AND ARE FOR DESIGN PURPOSES ONLY. PHYSICAL VERIFICATION OF DEPTHS REQUIRED FOR CONSTRUCTION

NO FACILITIES

3

N/F
PID: 060216027
SENGER ROBERT B
KATHLEEN
110 LONGMEAD DR
DB1519 PG617
PB31 PG30-103.104

LL21

LL3

APPROX. L.L.L.

100+00

101+00

102+00

103+00

12" DIP

16' OFF EX. EOP

BEGIN CONSTRUCTION
STA. 100+18.60
N: 1224712.3125
E: 2188551.4255

BEGIN PROJECT
STA. 100+00.00
N: 1224693.7250
E: 2188552.1330

EXIST R/W

SV19

SV3

SV17

SV11

REDWINE RD

E-5.4

E-5.3

18"

REQ'D R/W

MATCH LINE SEE DRAWING No. 44-0006

MATCH LINE STA. 103+50 DRAWING No. 44-0002

EXISTING TO REMAIN:
6" STEEL GAS MAIN
WT: 0.188/GRADE: B
NOP: 300 PSIG
CP ANODE

5

N/F
PID: 0602 003
HERITAGE CHRISTIAN CHURCH
2130 REDWINE RD
DB1406 PG1

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

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

FAYETTE County Water System

SCALE IN FEET
0 20 40 80

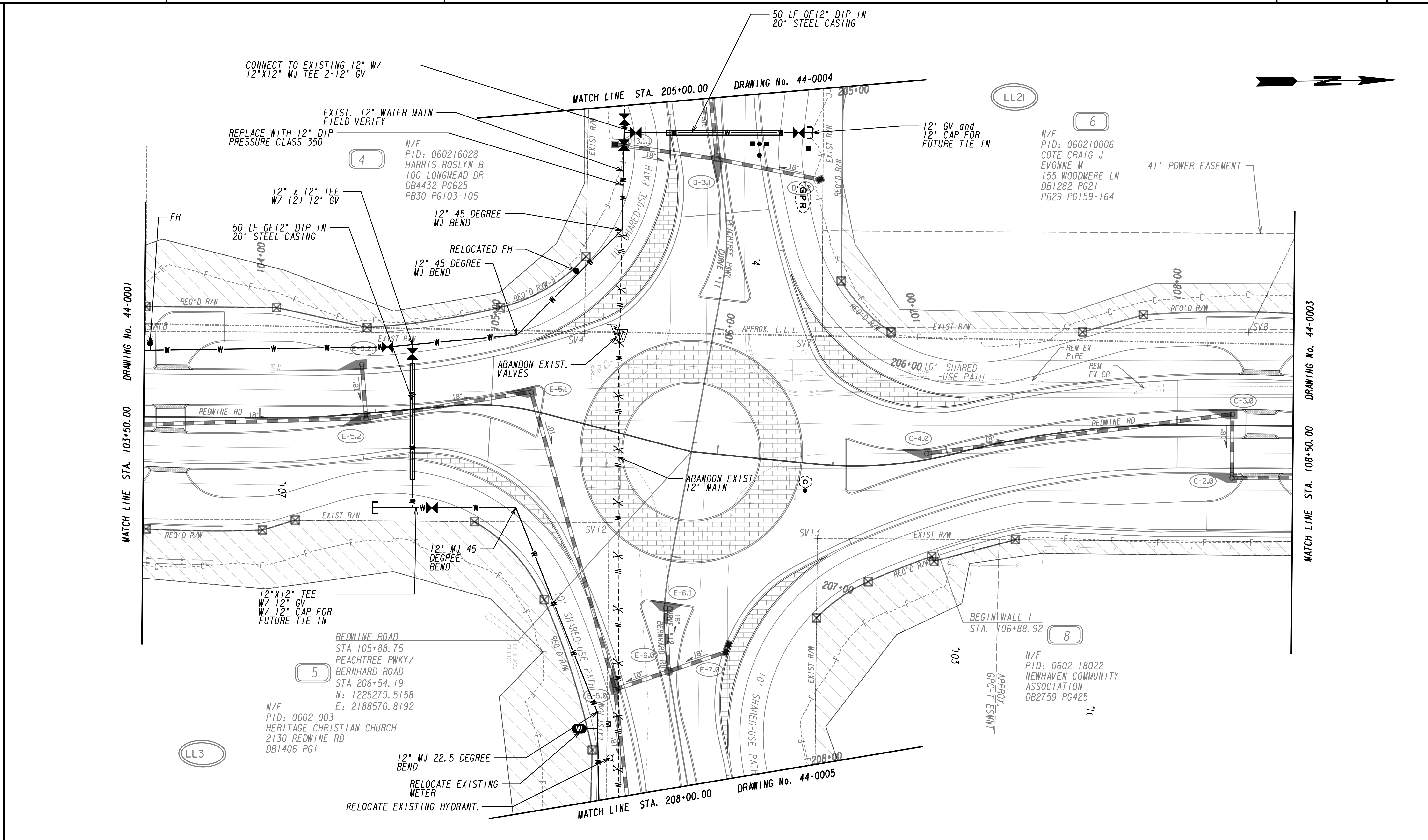
REVISION DATES

UTILITY RELOCATION PLANS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		44-0001
VERIFIED:		DATE:		

10/23/2015 GPLN


50 LF OF12" DIP IN 20" STEEL CASING
CONNECT TO EXISTING 12" W/ 12"X12" MJ TEE 2-12" GV
MATCH LINE STA. 205+00.00
DRAWING No. 44-0004
LL21
EXIST. 12" WATER MAIN FIELD VERIFY
REPLACE WITH 12" DIP PRESSURE CLASS 350
12" GV and 12" CAP FOR FUTURE TIE IN
6
N/F
PID: 0602I0006
COTE CRAIG J
EVONNE M
155 WOODMERE LN
DB1282 PG21
PB29 PG159-164
41' POWER EASEMENT
4
N/F
PID: 060216028
HARRIS ROSLYN B
100 LONGMEAD DR
DB4432 PG625
PB30 PG103-105
12" x 12" TEE W/ (2) 12" GV
FH
12" 45 DEGREE MJ BEND
50 LF OF12" DIP IN 20" STEEL CASING
RELOCATED FH
12" 45 DEGREE MJ BEND
PEACHTREE PKWY CURVE #1
REQ'D R/W
EXIST R/W
APPROX. L.L.L.
SV4
SV7
SV8
SV18
DRAWING No. 44-0001
MATCH LINE STA. 103+50.00
ABANDON EXIST. VALVES
206+00 10' SHARED -USE PATH
REM EX PIPE
REM EX CB
DRAWING No. 44-0003
MATCH LINE STA. 108+50.00
REDWINE RD
E-5.1
E-5.2
C-3.0
C-4.0
C-2.0
ABANDON EXIST. 12" MAIN
12" MJ 45 DEGREE BEND
SV12
SV13
12"X12" TEE W/ 12" GV W/ 12" CAP FOR FUTURE TIE IN
E-6.1
207+00
BEGIN WALL 1 STA. 106+88.92
8
N/F
PID: 0602 18022
NEWHAVEN COMMUNITY ASSOCIATION
DB2759 PG425
REDWINE ROAD STA 105+88.75
PEACHTREE PWKY/ BERNHARD ROAD STA 206+54.19
N: 1225279.5158
E: 2188570.8192
5
N/F
PID: 0602 003
HERITAGE CHRISTIAN CHURCH
2130 REDWINE RD
DB1406 PG1
E-6.0
E-7.0
E-5.0
10' SHARED-USE PATH
APPROX. GPC-T ESMNT
LL3
12" MJ 22.5 DEGREE BEND
RELOCATE EXISTING METER
RELOCATE EXISTING HYDRANT.
MATCH LINE STA. 208+00.00
DRAWING No. 44-0005

PROPERTY AND EXISTING R/W LINE		BEGIN LIMIT OF ACCESS............BLA
REQUIRED R/W LINE		END LIMIT OF ACCESS.............ELA
CONSTRUCTION LIMITS	—C— —F—	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES		REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES		ORANGE BARRIER FENCE
EASEMENT FOR CONSTR OF DRIVES		ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

FAYETTE County Water System

SCALE IN FEET
0 20 40 80

REVISION DATES

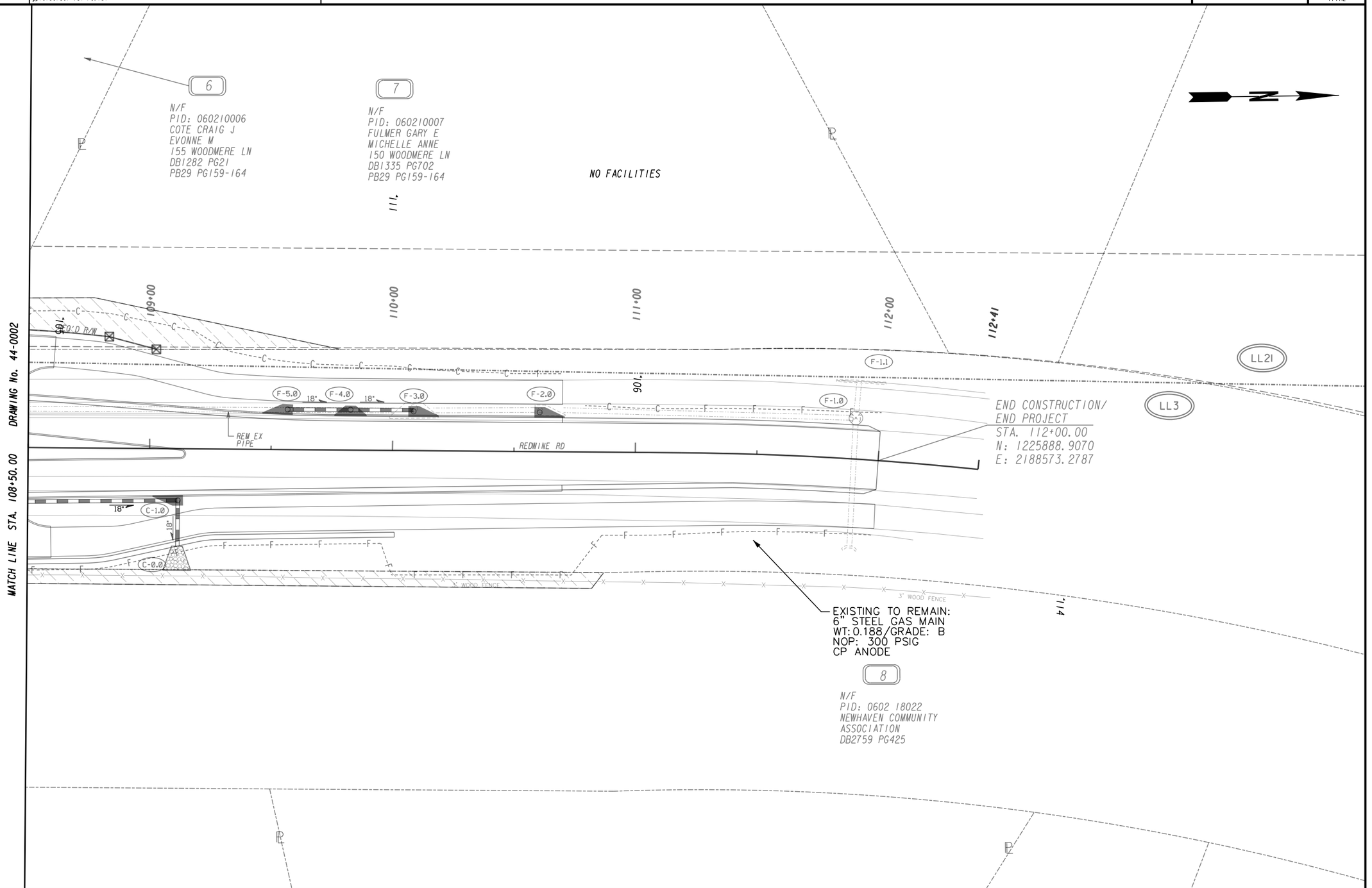
UTILITY RELOCATION PLANS

REDWINE RD, PEACHTREE PKWY INTERSECTION

REDWINE ROAD

CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	44-0002	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

10/23/2015 GPLN



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

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

FAYETTE County Water System

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY RELOCATION PLANS
REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		44-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

EXISTING TO REMAIN:
4" PLASTIC GAS MAIN
NOP: 60 PSIG

6
N/F
PID: 060210006
COTE CRAIG J
EVONNE M
155 WOODMERE LN
DB1282 PG21
PB29 PG159-164

PEACHTREE PKWY
STA 201+71.35
LONGMEAD DR
STA 10+00.00
N: 1225298.0458
E: 2188089.8789

200+00 201+00 202+00 203+00 204+00 205+00

110

REQ'D R/W

TP3 CONC SPILLWAY
GA STD 9013

G-0.0

PEACHTREE PKWY
S 89°53'36.1" E
109.54'
CURVE #9

10+00

S 88°26'32.5" E
307.91'
CURVE #10

D-4.0 D-3.0 D-2.0 D-1.0 D-0.0

18"

LIMITS OF CONSTRUCTION
STA. 200+25.00
N: 1225299.4025
E: 2187943.5419

91.11'
S01°33'27.5"W
LONGMEAD DR

STUB

102

REM EX PIPE

TIMBERLAKE

HYDRANT TO BE TAGGED OUT OF SERVICE DURING RELOCATION

EXIST. 12" WATER MAIN TO REMAIN FIELD VERIFY

NO CONFLICT

CLOSE ISOLATION VALVE TO PERFORM RELOCATION

10+91

EXISTING TO REMAIN:
2" PLASTIC GAS MAIN
NOP: 60 PSIG

4
N/F
PID: 060216028
HARRIS ROSLYN B
100 LONGMEAD DR
DB4432 PG625
PB30 PG103-105

MATCH LINE STA. 205+00.00

DRAWING No. 44-0002

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

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

FAYETTE County Water System

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY RELOCATION PLANS
REDWINE RD, PEACHTREE PKWY INTERSECTION
PEACHTREE PKWY EXT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		44-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

DRAWING No. 44-0002

MATCH LINE STA. 208+00.00

208+00 209+00 210+00 211+00 212+00 212+40

EXIST R/W

113

112

EXISTING TO REMAIN:
4" PLASTIC GAS MAIN
NOP: 60 PSIG

8
N/F
PID: 0602 18022
NEWHAVEN COMMUNITY
ASSOCIATION
DB2759 PG425

E-2.0 E-1.0 E-0.0 E-3.0 E-4.0 I-0.0

18" 18" 18" 18" 18"

BERNHARD RD

TP3 CONC SPILLWAY
GA STD 9013

EXIST R/W

REQ'D R/W

12" INSERTION VALVE

2- 12" 45 DEGREE MJ BENDS

12" DIP AS REQD

NEW 12" DIP

EXIST. 12" PVC TO BE ABANDONED

LIMITS OF CONSTRUCTION
STA. 211+97.72
N: 1225270.2472
E: 2189112.1601

5
N/F
PID: 0602 003
HERITAGE CHRISTIAN CHURCH
2130 REDWINE RD
DB1406 PG1

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

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

FAYETTE County Water System

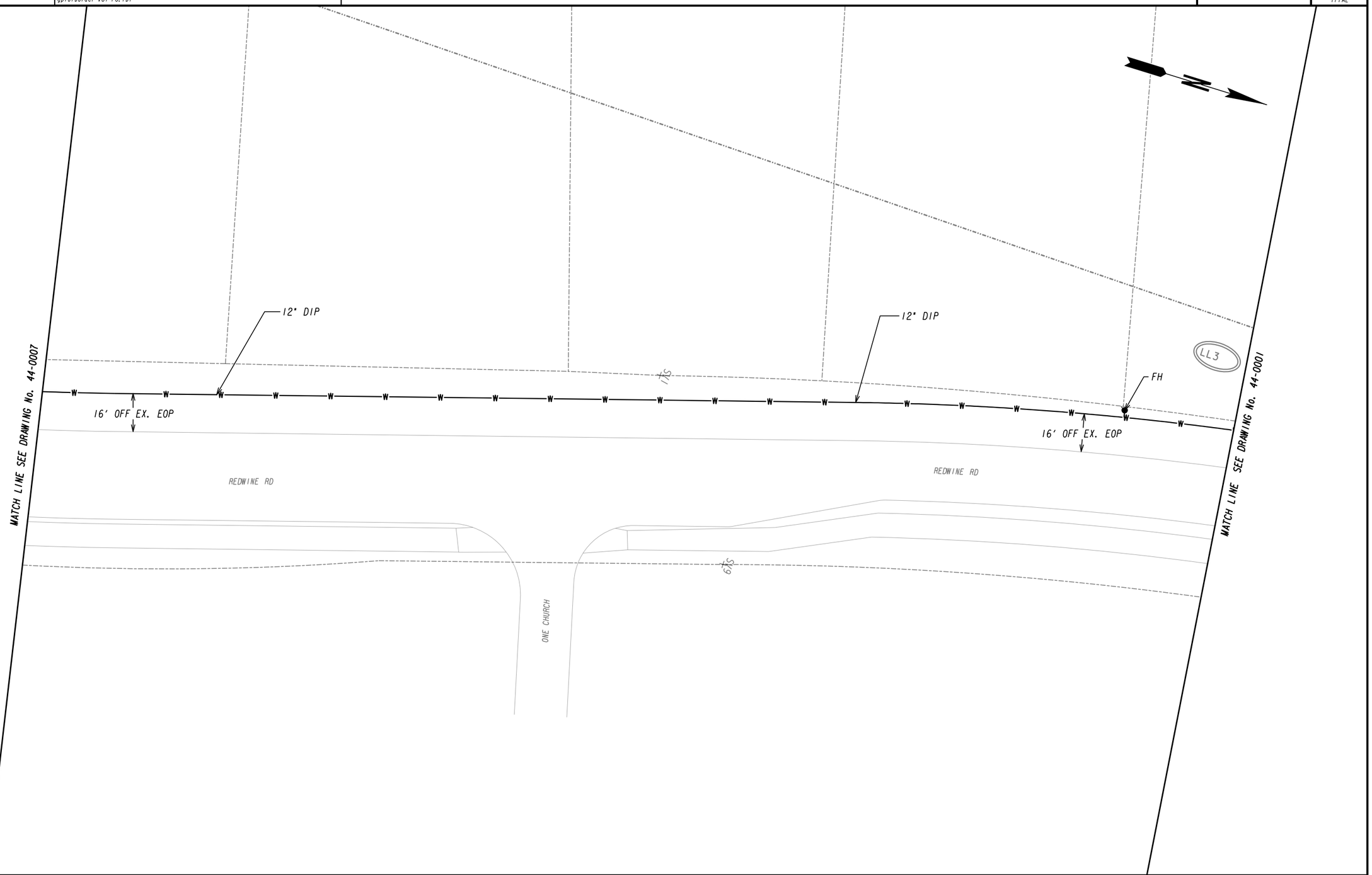
SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY RELOCATION PLANS
REDWINE RD, PEACHTREE PKWY INTERSECTION
BERNHARD ROAD

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	44-0005
CORRECTED:		DATE:	
VERIFIED:		DATE:	

10/23/2015 GPLN



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

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

FAYETTE County Water System

SCALE IN FEET
0 20 40 80

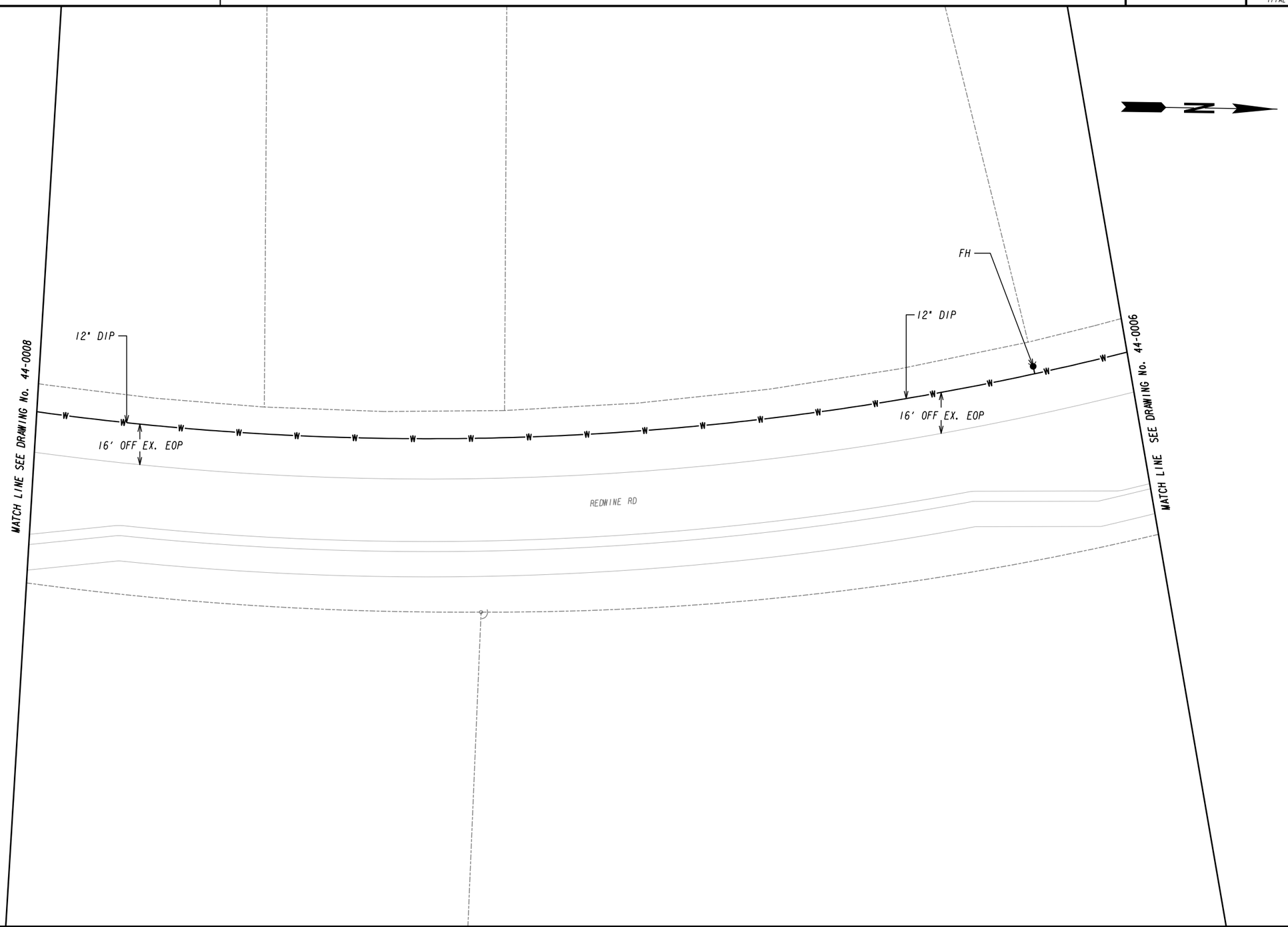
REVISION DATES

UTILITY RELOCATION PLANS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		44-0006
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



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

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

FAYETTE County Water System

SCALE IN FEET
0 20 40 80

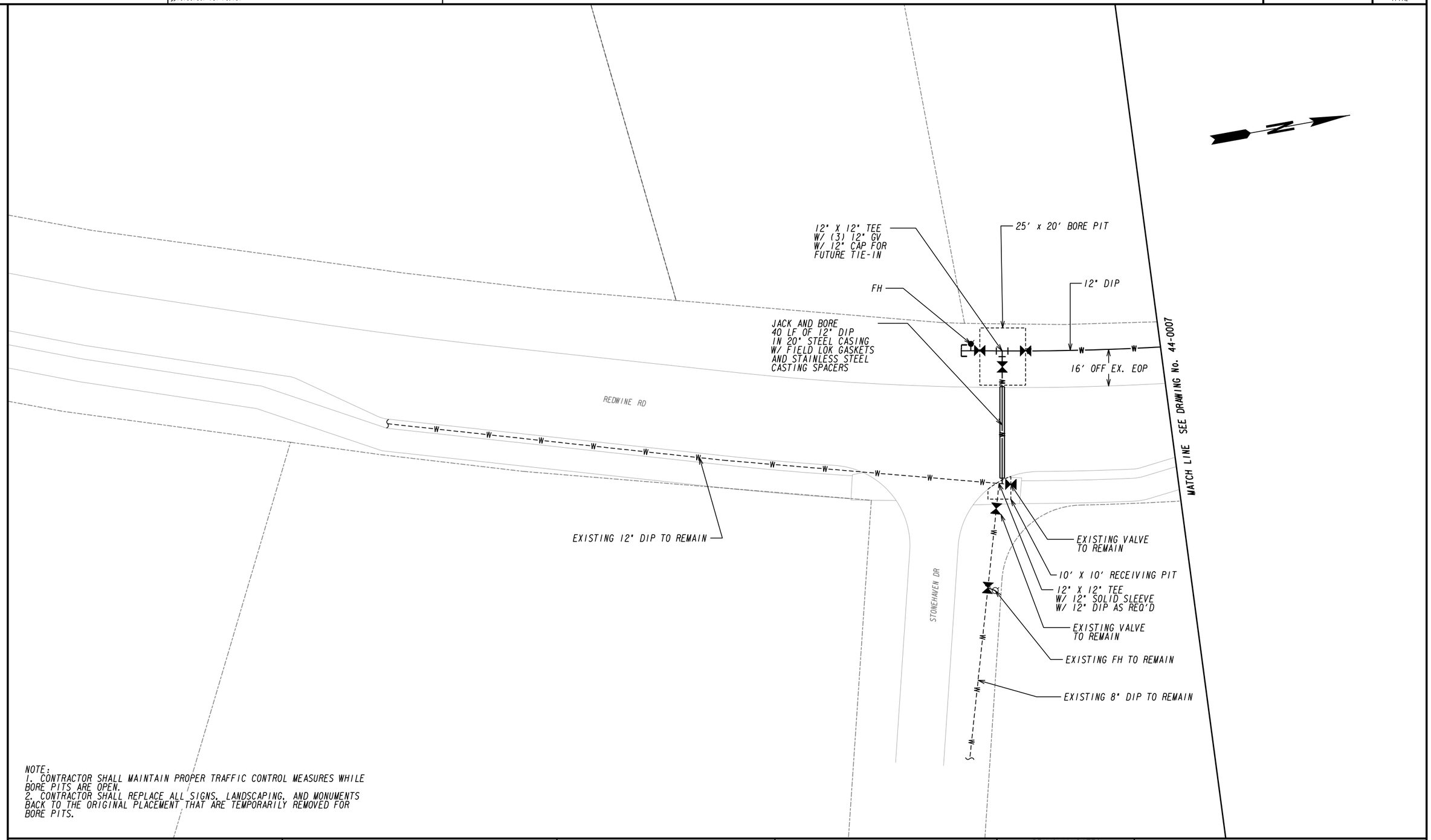
REVISION DATES

UTILITY RELOCATION PLANS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		44-0007
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



NOTE:
1. CONTRACTOR SHALL MAINTAIN PROPER TRAFFIC CONTROL MEASURES WHILE BORE PITS ARE OPEN.
2. CONTRACTOR SHALL REPLACE ALL SIGNS, LANDSCAPING, AND MONUMENTS BACK TO THE ORIGINAL PLACEMENT THAT ARE TEMPORARILY REMOVED FOR BORE PITS.

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

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

FAYETTE County Water System

SCALE IN FEET
0 20 40 80

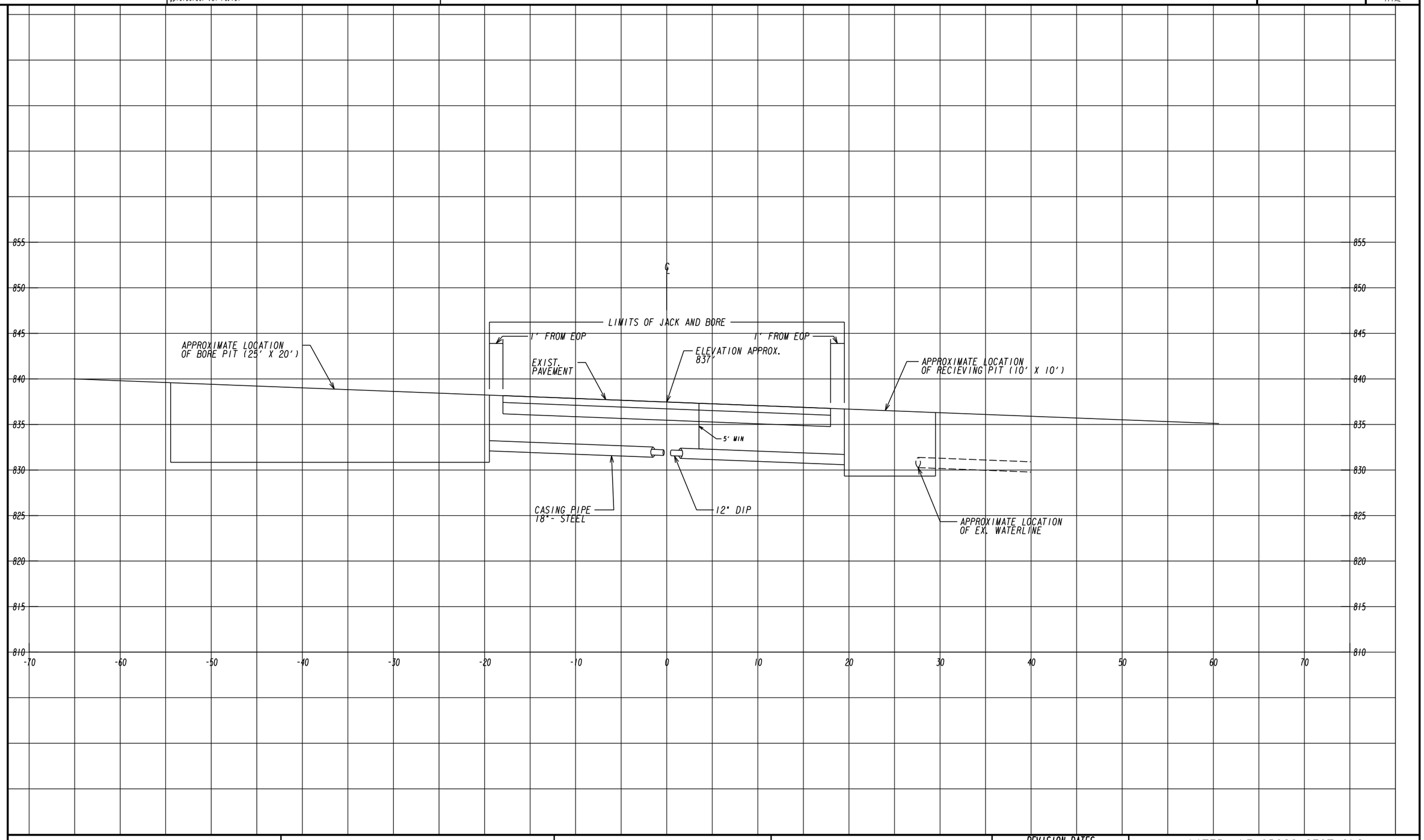
REVISION DATES

UTILITY RELOCATION PLANS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD

		DATE:	DRAWING No.
CHECKED:		DATE:	44-0008
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

10/23/2015 GPLN



NOTE:
ELEVATIONS ARE APPROXIMATES, CONTRACTOR TO CONFIRM DEPTHS OF EXISTING SERVICES BEFORE PERFORMING JACK & BORE

FAYETTE County Water System

VERTICAL SCALE IN FEET
0 5 10 20

HORIZONTAL SCALE IN FEET
0 10 20 40

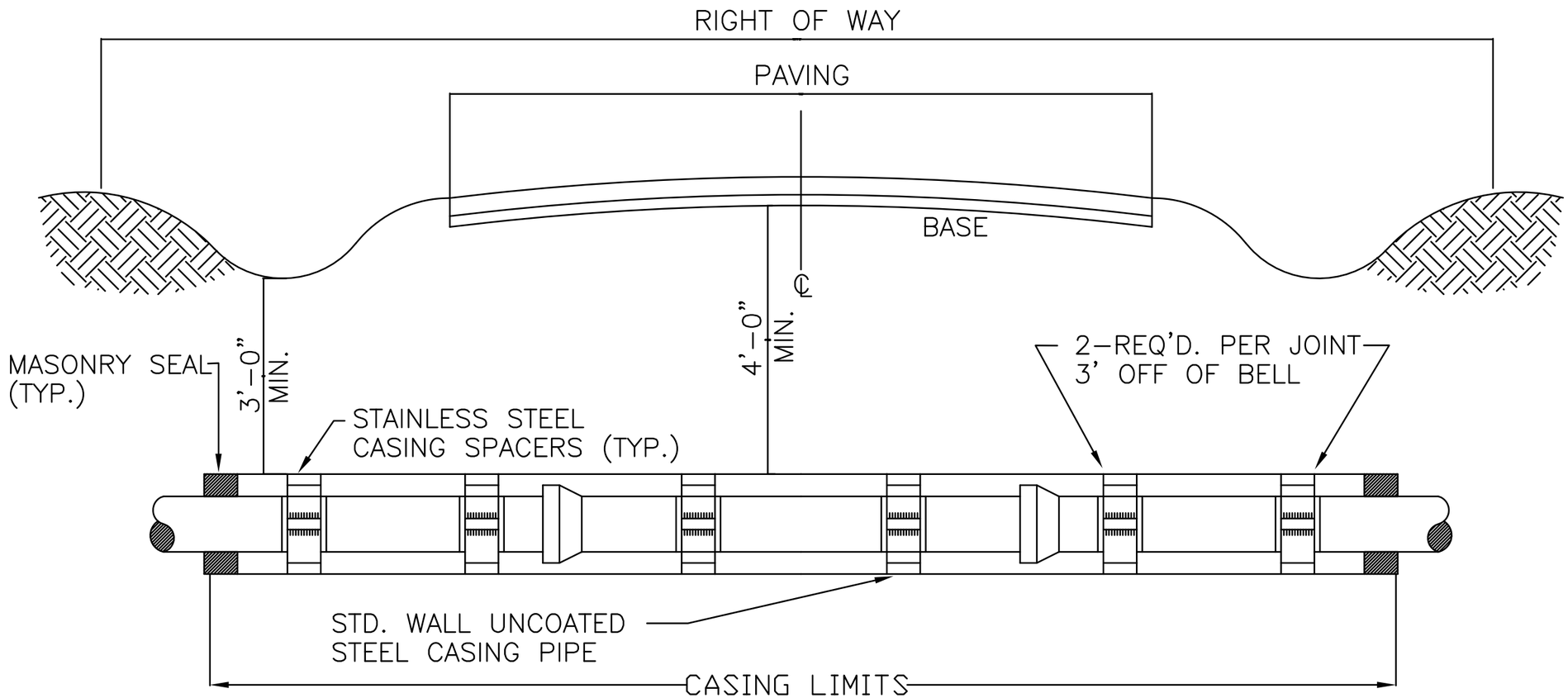
REVISION DATES

WATERLINE CROSS SECTIONS

REDWINE RD, STONEHAVEN DR INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		44-0009
VERIFIED:		DATE:		

10/23/2015 GPLN



NOTE:
STEEL CASING SHALL EXTEND 3' PAST ℄ OF DITCH

Fayette County WaterSystem

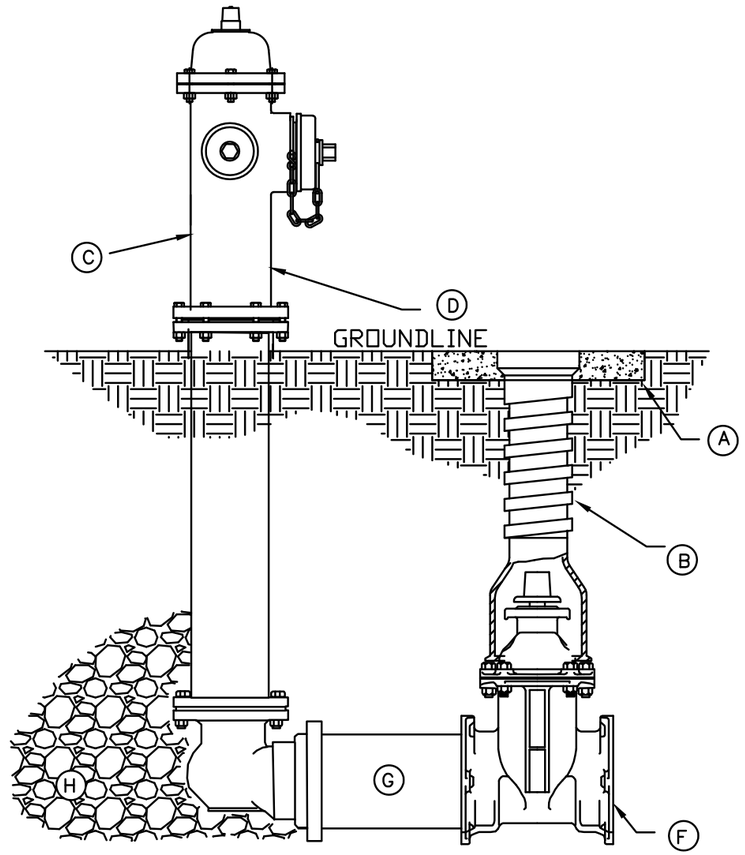
TYPICAL ROAD CROSSING

U-0003

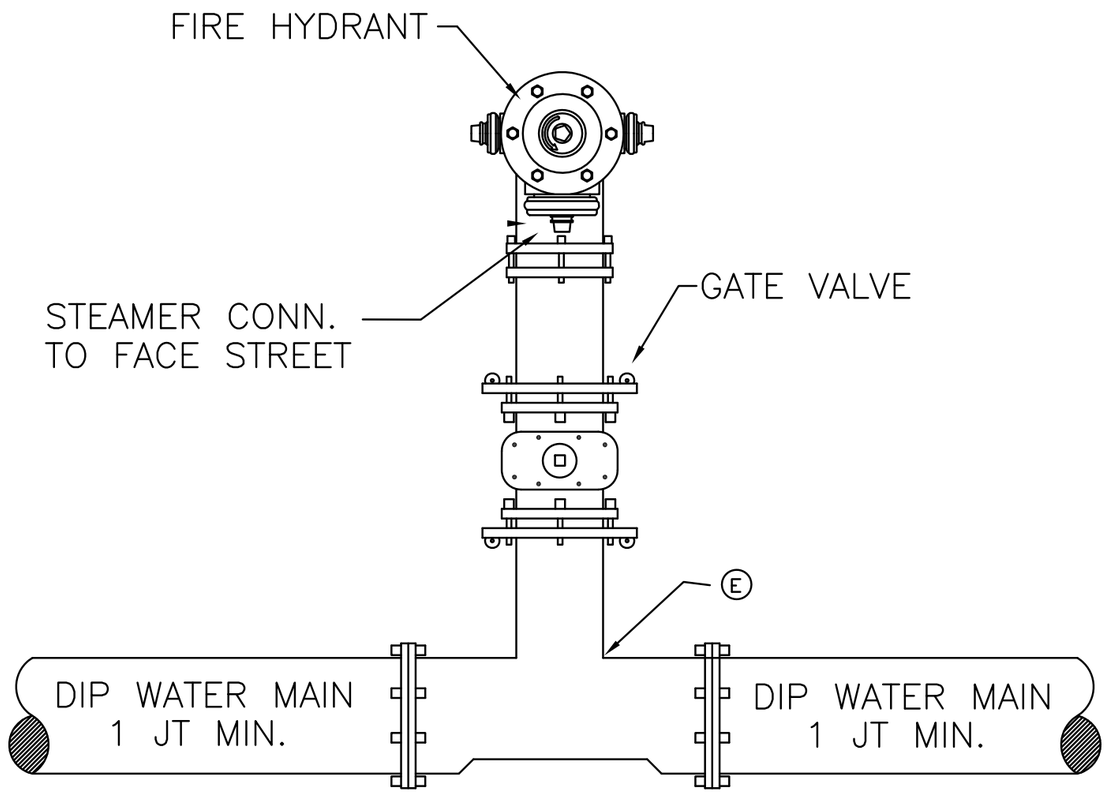
DESIGNED: J.F.C.	DRAWN:
DATE: 01/15	SCALE: N.T.S.

BY	REVISIONS	DATE

PROFILE VIEW



PLAN VIEW



BILL OF MATERIALS	
ITEM	DESCRIPTION
A	CONCRETE COLLAR
B	CAST IRON VALVE BOX
C	M&H 129 OR APPROVED EQUAL
D	FIRE HYDRANT (3 WAY)
E	FIRE HYDRANT TEE
F	6" GATE VALVE
G	ANCHOR COUPLING OR GRADE LOC HYDRANT ADAPTER
H	GRAVEL (14 CUBIC FT. MIN)

GENERAL NOTES:

1. STEAMER NOZZEL TO FACE STREET
2. HYDRANT SET AS CLOSE TO R\W AS PRACTICAL
3. VALVE BOX ADJUSTED TO GRADE
4. CONC. COLLAR AROUND VALVE BOX
5. F.H. ADJUSTED TO GRADE WITH GRADE LOK ANCHOR COUPLING, OR APPROVED EQUAL

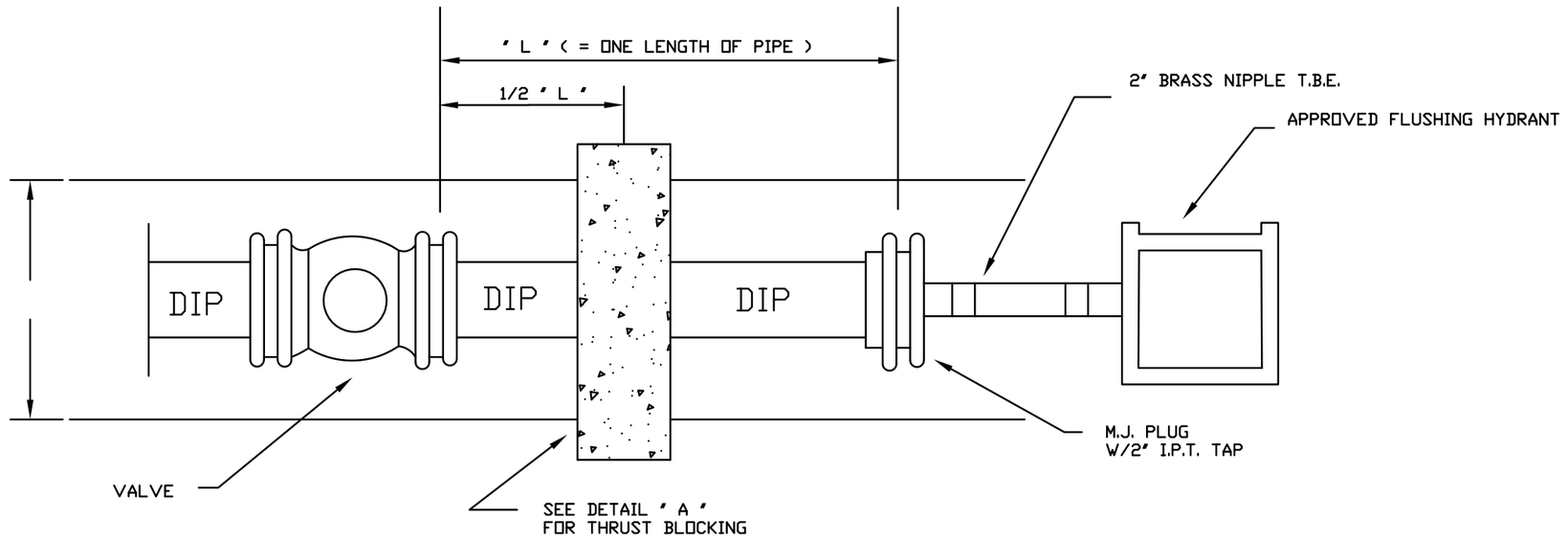
Fayette County Water System

TYPICAL FIRE HYDRANT INSTALLATION

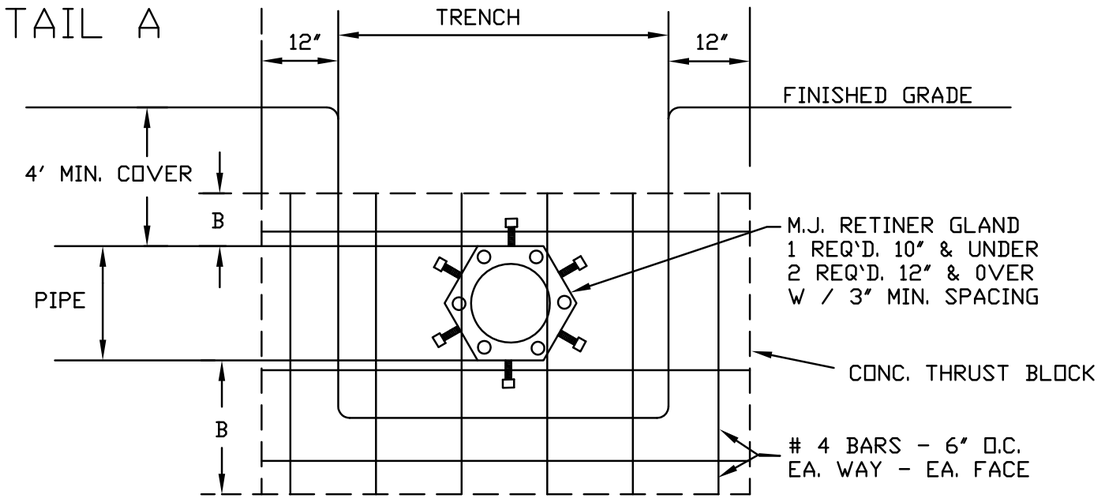
W-0006

DESIGNED: J.F.C.	DRAWN:
DATE: 01/15	SCALE: N.T.S.

BY	REVISIONS	DATE



DETAIL A



DIA.	' A '	' B '
20"	2' - 0"	2' - 0"
16"	1' - 6"	1' - 0"
4"	1' - 6"	1' - 6"
12"	1' - 6"	1' - 0"
10"	1' - 0"	1' - 0"
8"	1' - 0"	1' - 0"
6"	1' - 0"	1' - 0"
4"	1' - 0"	1' - 0"

NOTE: THE ABOVE FIGURES ARE BASED ON SOIL BEARING CAPACITY OF 2000#/S.F.

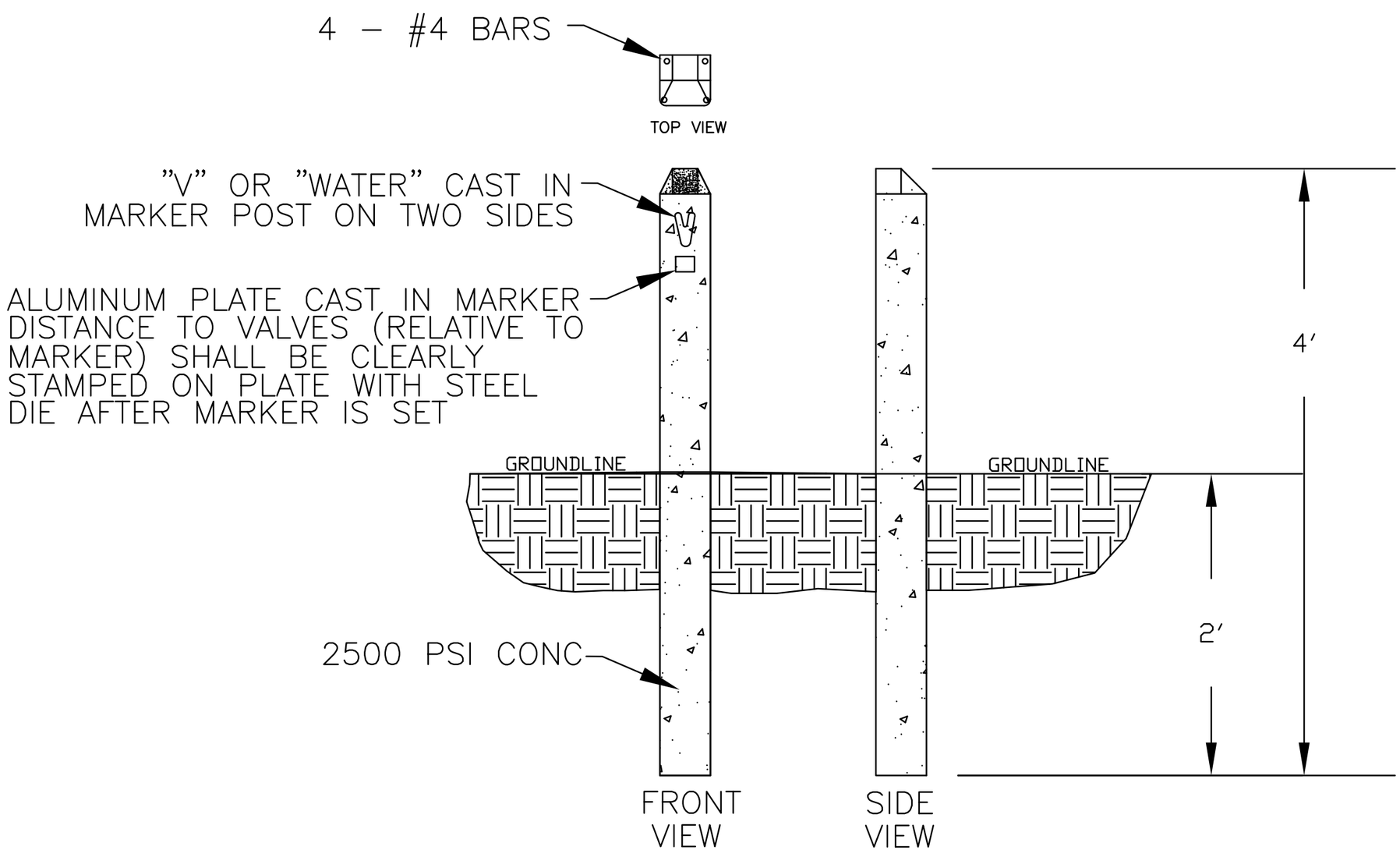
Fayette County Water System

TERMINAL END DETAIL

W-0016

DESIGNED: J.F.C.	DRAWN:
DATE: 01/15	SCALE: N.T.S.

BY	REVISIONS	DATE



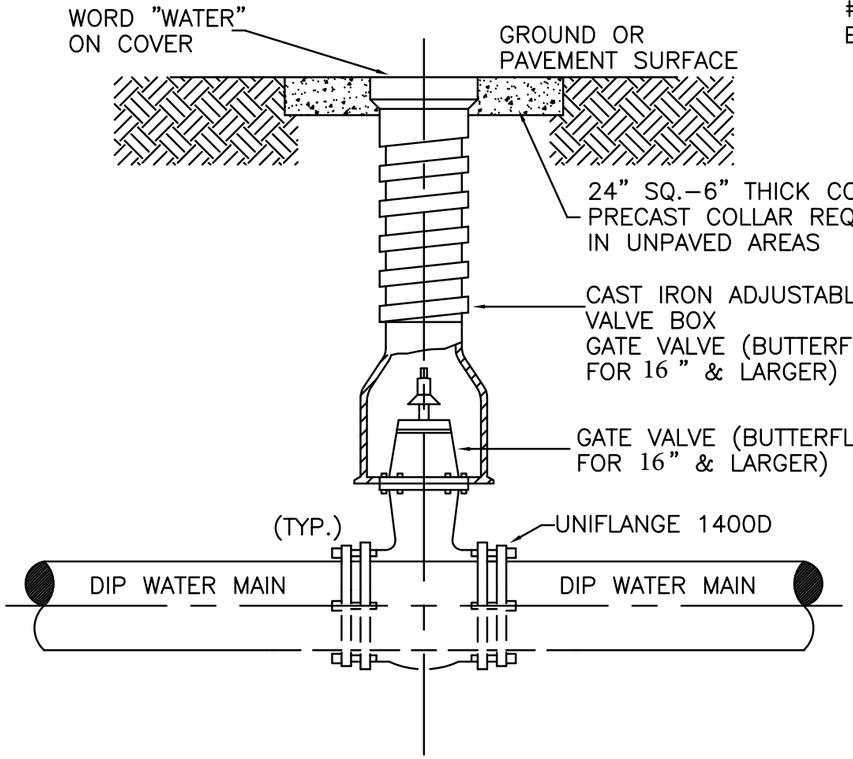
Fayette County Water System

VALVE MARKER DETAIL

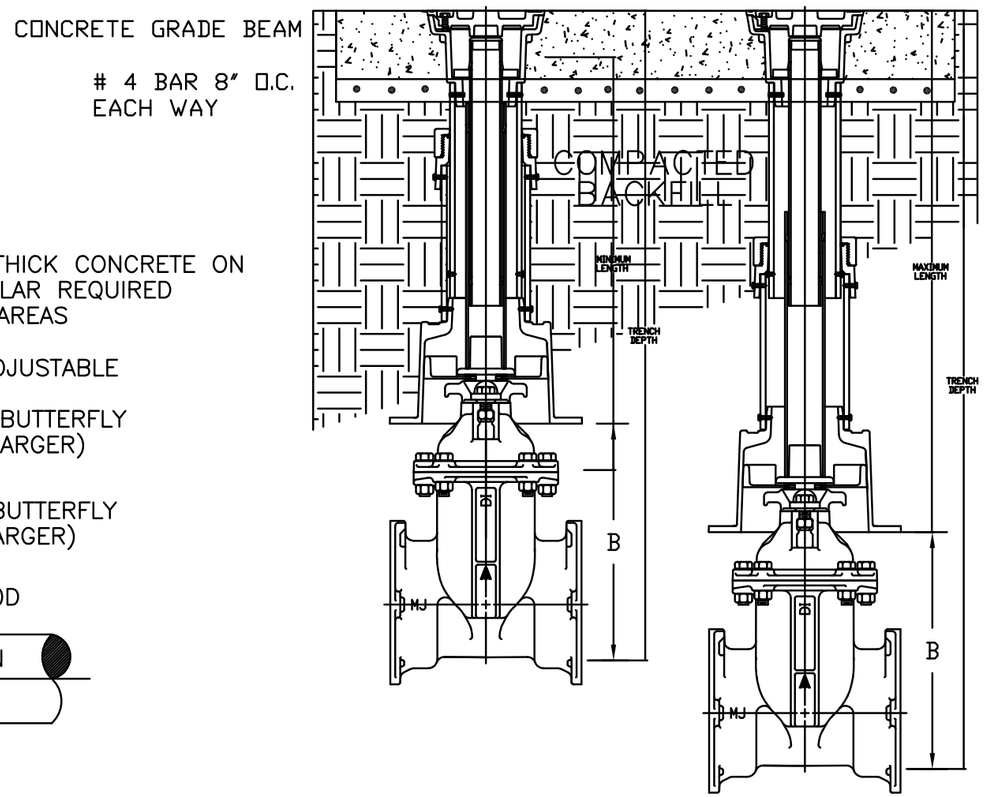
W–0019

DESIGNED: J.F.C.	DRAWN:
DATE: 01/15	SCALE: N.T.S.

BY	REVISIONS	DATE



WHERE VALVE MARKERS ARE REQUIRED, INSTALL PRECAST REINFORCED CONCRETE SQUARE POST, MINIMUM 4" SQUARE AND 6 FEET LONG, ENGRAVED WITH WORD "VALVE" IN 2" HIGH LETTERING.



X	X	X	X	X
LET'R	REVISIONS	DATE	BY	CKD

PART NAME: DIAGRAM FOR THE AFC VALVE AND HYD MANUAL (TRENCH ADAPTER) (NEW STEM DESIGN)	SCALE 1:2	CAGE NO. 79218
	DRN TTR	CKD MJU
	DATE DRN 3-14-00	DATE REL X
	NSN X	
	REF LAYOUT X	
	DWG/PART NO.	SHEET 1 OF 1
Waterous DEPENDABLE	IL1716–8	

WATEROUS COMPANY ✖ 300 JOHN E. CARROLL AVE EAST ✖ SOUTH ST. PAUL, MINNESOTA 55075-1191

A-997

Fayette County WaterSystem

WATER LINE VALVE INSTALLATION

W–0023

DESIGNED: J.F.C.	DRAWN:
DATE: 01/15	SCALE: N.T.S.

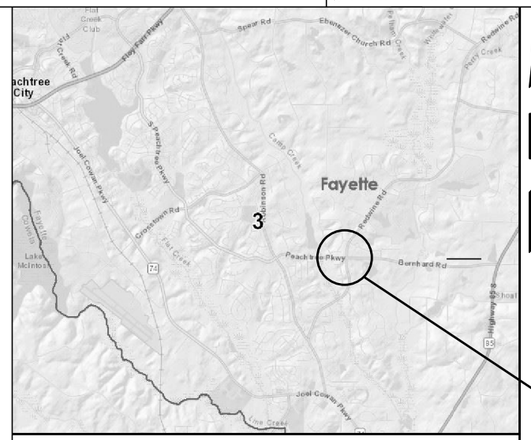
BY	REVISIONS	DATE

9/19/2022	GPLOT-V8	1866010_50-0000.dgn		Project No.
aalban	gplotborder-V81-P0.tbl	GRWCOV		17TAL

FAYETTE COUNTY

EROSION SEDIMENT AND POLLUTION CONTROL PLAN OF PROPOSED

REDWINE RD, BERNHARD RD & PEACHTREE PKWY INTERSECTION IMPROVEMENTS



LOCATION SKETCH

PROJECT LOCATION

FUNCTIONAL CLASS:
REDWINE RD: MINOR ARTERIAL
PEACHTREE PKWY: MINOR ARTERIAL
BERNHARD RD: MAJOR COLLECTOR (GDOT)
MINOR ARTERIAL (FAYETTE COUNTY)

THIS PROJECT IS LOCATED IN FAYETTE COUNTY, CONG. DIST. NO. 13, & COMM. DIST. NO. 3

PROJECT DESIGNATION:
FUNDED 2017 SPLOST, 17TAL

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

PRIMARY PERMITTEE

24 HOUR CONTACT:

PHIL MALLON
Name

115 MCDONOUGH RD
Street Address

FAYETTEVILLE, GA 30215
City, State Zip

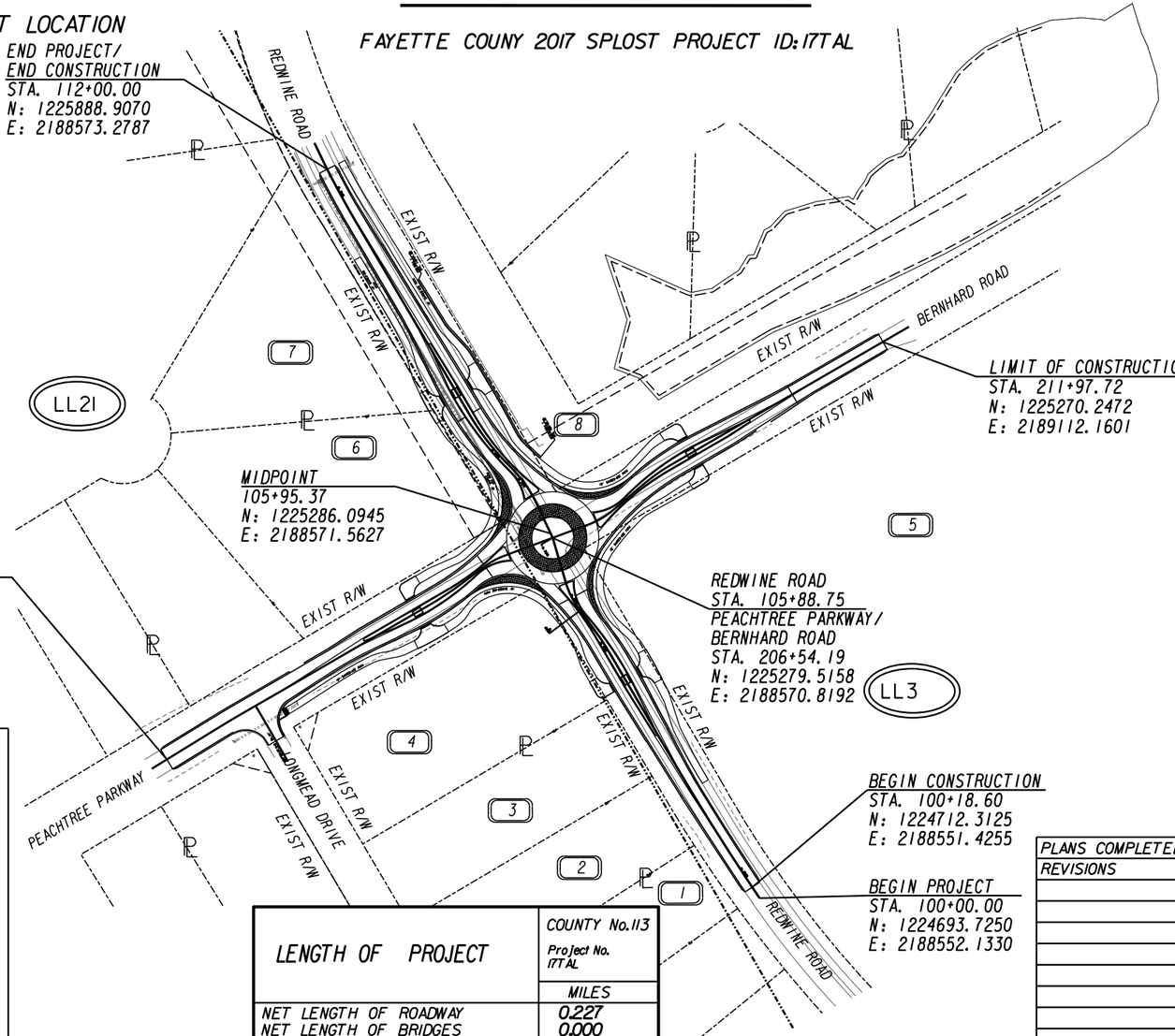
770-313-9855
Phone Number

PMALLON@FAYETTECOUNTY.GA.GOV
Email Address

Contractor shall complete the information in this box.

END PROJECT/
END CONSTRUCTION
STA. 112+00.00
N: 1225888.9070
E: 2188573.2787

FAYETTE COUNY 2017 SPLOST PROJECT ID: 17TAL



MIDPOINT
105+95.37
N: 1225286.0945
E: 2188571.5627

LIMIT OF CONSTRUCTION
STA. 200+25.00
N: 1225299.4025
E: 2187943.5419

LIMIT OF CONSTRUCTION
STA. 211+97.72
N: 1225270.2472
E: 2189112.1601

REDWINE ROAD
STA. 105+88.75
PEACHTREE PARKWAY/
BERNHARD ROAD
STA. 206+54.19
N: 1225279.5158
E: 2188570.8192

BEGIN CONSTRUCTION
STA. 100+18.60
N: 1224712.3125
E: 2188551.4255

BEGIN PROJECT
STA. 100+00.00
N: 1224693.7250
E: 2188552.1330

LENGTH OF PROJECT	COUNTY No. 113 Project No. 17TAL
	MILES
NET LENGTH OF ROADWAY	0.227
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	0.227
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.227

SCALE IN FEET
0 100 200 400

"I certify that this Erosion, Sedimentation and Pollution Control Plan has been prepared in accordance with Part IV. of the General NPDES Permit No. GAR100002."

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land disturbing activity was permitted, provides for sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR100002."

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for the monitoring of: (a) all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent streams and other water bodies, or (b) where any such specific identified perennial or intermittent stream and other water body is not proposed to be sampled, I have determined in my professional judgment, utilizing the factors required in the General NPDES Permit No. GAR100002, that the increase in the turbidity of each specific identified sampled receiving water will be representative of the increase in the turbidity of a specific identified un-sampled receiving water."

"I certify under penalty of law that this plan was prepared after a site visit to the location described herein by myself or my authorized agent, under my direct supervision."

BEGIN-POINT COORDINATES
Longitude: 84.5205° W
Latitude: 33.3664° N
MID-POINT COORDINATES
Longitude: 84.5205° W
Latitude: 33.3680° N
END-POINT COORDINATES
Longitude: 84.5205° W
Latitude: 33.3697° N

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

PLANS PREPARED BY
CROY ENGINEERING

UNDER THE SUPERVISION OF

GEORGIA PROFESSIONAL ENGINEER CHRIS RIDEOUT 23019

LEVEL II CERT. 6947

CHRIS RIDEOUT, P.E.
LEVEL II CERT. 6947

PLANS COMPLETED 9-19-2022	
REVISIONS	

DRAWING No.
50-0001

CONCOV

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS
SWCD: Towaliga Soil and Water Conservation District

Project Name: Redwine Rd, Bernhard Rd, & Peachtree Pkwy Intersection Improvements
Address: Fayetteville, Ga 30215
City/County: Fayette County
Date on Plans: 9/19/2022
Name & email of person filling out checklist: Robert Bishop (rbishop@croyeng.com)

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
51-0001	Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
50-0001	Y	2 Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)
50-0001	Y	3 The name and phone number of the 24-hour contact responsible for erosion, sedimentaton and pollution controls.
50-0001	Y	4 Provide the name, address, email address, and phone number of primary permittee.
51-0003	Y	5 Note total and disturbed acreages of the project or phase under construction.
50-0001	Y	6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
50-0001	Y	7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
50-0001	Y	8 Descriptions of the nature of construction activity and existing site conditions.
50-0001	Y	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
55-0001	Y	10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
50-0001	Y	11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on **Part IV page 21** of the permit.
50-0001	Y	12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on **Part IV page 20** of the permit. *
50-0001	Y	13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on **Part IV.D.6.c.(3) page 37** of the permit as applicable. *
50-0001	Y	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins within 7 days after installation." in accordance with **Part IV.A.5 page 26** of the permit. *
51-0003	Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
N/A	N/A	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
51-0002	Y	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." *
51-0002	Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." *
51-0002	Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installaton of erosion and sediment control measures and practices prior to land disturbing activities."
51-0002	Y	20 Clearly note statement that "Erosion control measures will be maintained at all times. If ful implementaton of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
51-0002	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
51-0003	Y	22 Any construction activity which discharges storm water into an Impaired Stream Segment or within 1 linear mile upstream of and within the same watershed as, any portion of a Biota Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. *
N/A	N/A	23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
51-0002	Y	24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited. *
51-0002	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
51-0002	Y	26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. *
51-0002	Y	27 Description of practices to provide cover for building materials and building products on site. *
51-0002	Y	28 Description of the practices that will be used to reduce the pollutants in storm water discharges. *

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
51-0002	Y	29 Description and chart or timeline of the intended sequence of major activites which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activites, excavation activites, utility activites, temporary and final stabilization).
51-0003	Y	30 Provide complete requirements of Inspections and record keeping by the primary permittee. *
51-0003	Y	31 Provide complete requirements of Sampling Frequency and Reporting of sampling results. *
51-0003	Y	32 Provide complete details for Retention of Records as per Part IV.F. of the permit. *
51-0004	Y	33 Description of analytical methods to be used to collect and analyze the samples from each location. *
51-0004	Y	34 Appendix B rationale for NTU values at all outfall sampling points where applicable. *
51-0004	Y	35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable. *
51-0002	Y	36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase. *
ALL	Y	37 Graphic scale and North arrow.
53-0001	Y	38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: (Existing Contours: USGS 1": 2000' Topographical Sheets; Proposed Contours: 1" : 400' Centerline Profile)
51-0003	Y	39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.
51-0003	Y	40 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. *
N/A	Y	41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
N/A	Y	42 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
53-0001	Y	43 Delineation and acreage of contributing drainage basins on the project site.
55-0001	Y	44 Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.
51-0003	Y	45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activites are completed.
51-0003	Y	46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
51-0002	Y	47 Soil series for the project site and their delineation.
54s	Y	48 The limits of disturbance for each phase of construction.
51-0003	Y	49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.
54s	Y	50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
56-0002	Y	51 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
56-0001	Y	52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

* If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the * checklist items would be N/A.

Effective January 1, 2022

CROY
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

NTS

REVISION DATES

ESPCP GENERAL NOTES
REDWINE RD, PEACHTREE PKWY INTERSECTION

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

DRAWING No. 51-0001

10/23/2015 Rev.08/01/2018 GPLN

ESPCP GENERAL NOTES

The escape of sediment from the project site shall be prevented by the installation of erosion and sediment control measures and practices prior to land-disturbing activities.

Erosion and sedimentation control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective control, additional erosion and sedimentation control measures shall be implemented to control or treat the sediment source.

ESPCP ALTERATIONS

This Erosion, Sedimentation, and Pollution Control Plan (ESPCP) is provided by the Department. It addresses the staged construction of the project on the basis of common construction methods and techniques. If the Contractor elects to alter the staged construction from that shown in the plans or utilize construction techniques that render this plan ineffective, the Contractor shall revise the plans in accordance to Special Provision 161-Control of Soil Erosion and Sedimentation of the contract.

The Contractor, the Certified Design Professional, and the Worksite Erosion Control Supervisor (WECS) shall carefully evaluate this plan prior to commencing land-disturbing activities. Admendments/revisions to the ESPCP which have a significant effect on BMPs with a hydraulic component requires a formal revision of the ESPCP and the signature of a GSWCC Level-II Certified Design Professional. Additional BMPs may be added per Special Provision 161-Control of Soil Erosion and Sedimentation.

CONSTRUCTION SCHEDULE AND SEQUENCE OF MAJOR ACTIVITIES

The Contractor is responsible for developing the construction schedule for the project. The construction schedule for this project shall be submitted after the project is awarded along with the NOI. A copy of the construction schedule shall be maintained at the project site.

The project budget includes sufficient funds for the payment of construction exits. The Contractor is responsible for establishing at least one (1) construction exit per the specifications of the construction exit detail included in this ESPCP to minimize or eliminate the vehicle tracking of dirt, soils, and sediments off site. To facilitate project logistics, the Contractor is also responsible for selecting the location(s) of the construction exit(s).

Stage 1 - Initial BMP
- Install Silt Control Gates for existing storm structure inlets.
- Install Sediment Traps for existing storm structure inlets.
- Install Check Dams to existing ditch areas.

Stage 2 - Intermediate BMP
- Maintain Silt Fence.
- Maintaine Sediment Traps.
- Maintain Check Dams.
- Install Type Sensitive Silt Fence at disturbed areas.
- Install Sediment Traps for proposed storm structure inlets.
- Install Check Dams to proposed ditch areas.
- Apply Temporary Mulching on the disturbed areas prior to final grading.
- Apply Temporary Grassing on the disturbed areas prior to final grading.

Stage 3 - Final BMP
- Apply Permanent Grassing on disturbed areas.
- Apply Sod

SITE STABLIZATION AND VEGETATION PLANTING SCHEDULE

The EPD General NPDES GAR100002 permit states that any disturbed area where construction activities have temporarily or permanently ceased shall be stabilized within 14 days of such cessation or as soon as practicable if precluded by adverse weather conditions. However in special cases, the Project Engineer may require the contractor to perform stabilization more often than 14 days.

Disturbed areas shall be stabilized with suitable material listed in the current edition of the Department's Standard Specifications (or Special Provisions) Sections 161, 163, 700, or 711 on the basis of when construction activities are expected to resume.

All temporary and permanent vegetative practices including plant species, planting dates, seeding, fertilizing, liming, and mulching rates for this project can be found in Section 700 of the current edition of the Department's Standard Specifications (or Special Provisions) and other applicable contract documents or landscaping plans.

BMP INSTALLATION AND MAINTENANCE MEASURES

See the Department's Standard Specifications (or Special Provisions) 161, 163, 165, 700, 711, and other contract documents for installation and maintenance measures.

PETROLEUM STORAGE, SPILLS AND LEAKS

These plans expressly delegate the responsibility of proper on-site hazardous material management to the Contractor. The Contractor shall at a minimum provide an action plan and keep the necessary materials on site for the capture, clean up, and disposal of any petroleum product, or other hazardous material, leaks or spills associated with the servicing, refueling or operation of any equipment utilized at the site. A copy of the action plan shall be submitted to the Project Engineer and maintained on the project site. All personnel operating or servicing equipment shall be familiar with the action plan. The Contractor shall not park, refuel, or maintain equipment within stream buffers.

If the Contractor elects to store petroleum products on site, the Contractor shall prepare an ESPCP addendum that addresses the additional BMPs needed for onsite storage and spill prevention for petroleum products. This plan shall be prepared by a Certified Design Professional as required by GAR100002 for inclusion with these plans. The Contractor's attention is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements.

WASTE DISPOSAL

Where attainable, locate waste collection areas, dumpsters, trash cans and portable toilets at least 50 feet away from streets, gutters, watercourses and storm drains. Secondary containment shall be provided around liquid waste collection areas to minimize the likelihood of contaminated discharges. The Contractor shall comply with applicable state and local waste storage and disposal regulations and obtain all necessary permits. Waste materials, including building materials, shall not be discharged to Waters of the State, unless authorized by a Section 404 Permit.

DEWATERING AND PUMPING ACTIVITIES

Any pumped discharge from an excavation or disturbed area shall be routed through an appropriately sized sediment basin, silt filter bag, or shall be treated equivalently with suitable BMP's. The contractor shall ensure the post BMP treated discharge is sheet flowing. Failure to create sheet flow will obligate the contractor to perform water quality sampling of pumped discharges. The contractor shall prepare sampling plans in accordance with the current GAR100002 NPDES permit by utilizing a Certified Design Professional. No separate payment will be made for water quality sampling of pump discharges.

NONSTORMWATER DISCHARGES

Nonstormwater discharges defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced. These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, the Manual for Erosion and Sediment Control in Georgia, Department Standards, and other contract documents. The NPDES does not authorize the discharge of soaps or solvents used in vehicle and equipment washing or the discharge of wastewater containing stucco, paint, oils, curing compounds, and other construction materials.

READY MIX CHUTE WASH DOWN

The washing of ready-mix concrete drums and dump truck bodies used in the delivery of Portland cement concrete is prohibited on this site.

In accordance with Standard Specification 107: Legal Regulations and Responsibility to the Public, only the discharge chute utilized in the delivery of Portland cement concrete may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the travelled way, including shoulders, for a wash-down pit. The pit shall be large enough to store all wash-down water without overtopping. Immediately after the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in, and the ground above it shall be graded to match the elevation of the surrounding areas. Alternate wash-down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash-down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down pit that includes the following: (1) a location away from any storm drain, stream, or river, (2) access to the vehicle being used for wash down, (3) sufficient volume for wash-down water, and (4) permission to use the area for wash down.

On sites where permission or access to excavate a wash-down pit is unavailable, the Contractor may have to wash-down into a sealable 55-gallon drum or other suitable container and then transport the container to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A Guide for Ready Mix Chute/Hopper Wash-down".

OTHER CONTROLS

If the Contractor elects to store building material, building products, construction waste, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials on the site, the Contractor shall provide an appropriate covering to minimize the exposure of those materials or products to precipitation and stormwater to minimize the discharge of pollutants. Minimization of exposure is not required in cases where exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of the specific material or product poses little risk to stormwater contamination or is intended for outdoor use.

The Contractor shall follow this ESPCP and ensure and demonstrate compliance with all applicable State and/or local regulations for waste disposal, sanitary sewer and septic systems, and petroleum storage.

The Contractor shall control dust from the site in accordance with Section 161 of the current edition of the Department's Standard Specifications.

POSTCONSTRUCTION BMPs FOR STORMWATER MANAGEMENT

All permanent postconstruction BMPs are shown in the construction plans and in the ESPCP plan. The postconstruction BMPs for this project consist of detention ponds, bioretention basins, sand filter basins, bioslopes, enhanced dry/wet swales, vegetated swales/ditches, vegetation, permanent slope drains and/or flumes, riprap at pipe outlets for velocity dissipation and outlet stabilization, channel/ditch stabilization with turf reinforcing mats, slope stabilization matting, riprap and concrete ditch lining where necessary. The postconstruction BMPs will provide permanent stabilization of the site and prevent abnormal transportation of sediment and pollutants into receiving waters.

SOIL SERIES INFORMATION

The following is a summary of the soils that are expected to be found on the project site:

Soil Symbol	Soil Type	Slope %	Limitation	Reason for Limitation
Ceb	Cecil Sandy Loam	2-6%	Somewhat Limited	Not Rated
CfC2	Cecil Sandy Clay Loam	6-10%	Somewhat Limited	Eroded
To	Toccoa Sandy Loam	0-2%	Very Limited	Occasionally Flooded

Due to the size and scope of this project and the nature of soil series maps, it is not reasonably practical to delineate the precise locations of the above listed soils on the construction plans. The NRCS soil survey and soil series maps for the project site are also available online at http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm.

SILT FENCE INSTALLATION WITH J HOOKS AND SPURS

Silt fence should never be run continuously. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique is called using J hooks (or spurs). The J hooks shall be utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J hooks shall be spaced in accordance with GDOT Construction Detail D-24C. The maximum J-hook spacing is reached when the top of the J hook is at the same elevation as the bottom of the immediately upgradient J hook. J Hooks shall be paid for as silt fence items per linear foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

CROY
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

NTS

REVISION DATES

ESPCP GENERAL NOTES

REDWINE RD, PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		51-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 Rev.08/01/2018 GPLN

SEDIMENT STORAGE

The site has a total disturbed area of 2.87 acres. *The following table summarizes the required and available sediment storage for every outfall on this project. The Contractor shall provide and maintain the storage volumes for the BMP's specified in this table.*

Location	Total Drainage Area	Disturbed Area	Required Sediment Storage Volume	Total Storage Volume Provided	Check Dams (2 yd^3/each)		Inlet Sediment Traps (2 yd^3/each)		Silt Gates (3 yd^3/each)		Silt Fence (0.3 yd^3/ft)	
					# of Devices	Total Volume	# of Devices	Total Volume	# of Devices	Total Volume	Length	Total Volume
	(acres)	(acres)	(yd^3)	(yd^3)		(yd^3)		(yd^3)		(yd^3)	(ft)	(yd^3)
OUTFALL C	1.05	0.63	70	122	5	10	0	0	0	0	373	112
OUTFALL D	1.61	0.46	108	246	5	10	7	14	1	3	729	219
OUTFALL E	3.46	1.60	232	400	16	32	12	24	1	3	1135	341
OUTFALL F	3.62	0.18	243	128	0	0	3	6	1	3	398	119

To prevent runoff from bypassing inlet sediment traps, a temporary sump shall be installed around all inlet sediment traps that are not located in a low point or an excavated sump. Construct temporary sumps in accordance with Construction Detail D-24C. Temporary sumps shall be installed in a manner that ensures stormwater does not bypass the inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

OUTFALL F - The drainage basin will not meet the required 67 cubic yards per acre of storage volume. To mitigate this the BMPs will strictly follow the clean out schedule and interval for each type of BMP used.

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPS:

No alternative or additional BMPs will be used on this project.

DISCHARGES INTO OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT

The following is a summary of project outfalls within 1 mile and within the watershed of an identified impaired stream segment that has been listed for criteria violated, "Bio F" (impaired fish community) and/or "Bio M" (impaired macro invertebrate community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

Outfall ID # and Location (Station and Offset)	Reach Name	Location of the Impaired Stream Segment as Indicated in the 305b/303d List	Criteria Violated (Bio F|Bio M)	Potential Cause (NP|UR)	Category (4a, 4b, or 5)	Numeric waste load allocation (WLA) for sediment*
Outfall 3 STA 109+11.74, 55.10' RT	Whitewater Creek	Lake Bennett to Starrs Mill Pond	Bio F	NP, UR	4a	6-8.5
Outfall 6	Whitewater Creek	Lake Bennett to Starrs Mill Pond	Bio F	NP, UR	4a	6-8.5
The TMDL for Flint River basin was completed in February 2003 without a sediment WLA for infrastructure projects. Infrastructure projects are required to follow the NPDES permit.						

** If the TMDL Implementation Plan establishes a specific numeric waste load allocation that applies to the project discharge(s) to the impaired Stream Segment, then the Certified Design Professional must incorporate that allocation into the Erosion, Sedimentation and Pollution Control Plan and implement all necessary measures to meet that allocation. See Appendix I for additional required BMPs for this project.*

RIPRAP OUTLET PROTECTION

Structure #, Outfall ID#, or Station and Offset	Pipe Diameter Do (ft)	Q_{25} (ft^3/s)	V_{25} (ft/s)	Tailwater Condition (TW<0.5 Do TW>0.5 Do)	Width at Drainage Structure W1=3Do (ft)	Apron Length La (ft)	Downstream Width W2=Do+La (ft)	Average Stone Diameter d_{50} (ft)	Apron Thickness D (ft)	Riprap Type (Type 3 or Type 1)	Quantity (yd^2)
C-0.0	1.5	3.0	4.42	TW<0.5 Do	4.5	10	11.5	0.33	0.75	Type 3	9
D-0.0	1.5	3.0	5.97	TW<0.5 Do	4.5	10	11.5	0.33	0.75	Type 3	9
E-0.0	1.5	5.9	7.79	TW<0.5 Do	4.5	10	11.5	0.33	0.75	Type 3	9

CHANNEL PROTECTION

All channels may be stabilized exclusively with permanent grassing.

STATE-WATER BUFFER IMPACTS

State-water buffers, as defined by O.C.G.A. 12-7-1, are not impacted by this project.

Non-exempt activities shall not be conducted within the 25- or 50-foot undisturbed stream buffers as measured from the point wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits.

INSPECTIONS AND REPORTING

As the primary permittee, the Fayette County Public Works Department must retain the design professional who prepared the ESPCP, or an alternative design professional approved by EPD in writing, to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days of installation over the entire infrastructure project. Alternatively, for linear infrastructure projects, the permittee must retain either of these personnel to inspect the initial sediment storage requirements and perimeter control BMPs for the initial segment, as defined by Part IV.A.5. of the current GAR100002 Permit, within 7 days of installation and all sediment basins within the entire linear infrastructure project within 7 days of installation. The inspecting design professional shall report the results to the primary permittee within 7 days, and the permittee must correct all deficiencies within 2 business days of receipt of the inspection report, unless on-site weather conditions are such that more time is required. Additionally, the Department's Construction Project Engineer will be responsible for all subsequent 7 day inspections for all new BMP installations.

All other inspections shall be documented on the appropriate Department inspection forms. See Standard Specification (or Special Provision) 167 and other contract documents for inspection and reporting requirements. These inspections shall continue until the Notice of Termination (NOT) is submitted.

Whenever the Department finds that a BMP has failed or is deficient beyond routine maintenance and has resulted in sediment deposition into waters of the State, the Contractor shall take reasonable steps to address the condition, including cleaning up any contaminated surfaces so the material will not discharge in subsequent storm events. When the repair does not require a new or replacement BMP or significant repair, the BMP failure or deficiency must be corrected by the close of the next business day from the time of discovery. A repair requiring a new or replacement BMP or significant repair must be operational by no later than 7 days from the time of discovery. If the repair time within 7 days is infeasible, the Contractor and the Department shall schedule the BMP repair to be operational as soon as practical after the 7 day time frame.

Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deductions as specified in the contract documents.

WATER QUALITY INSPECTING AND SAMPLING PROCEDURES

See Special Provision 167 and other contract documents for the inspecting and sampling procedures. Sampling locations are provided in the Sampling Location table herein.

RETENTION OF RECORDS

The Department will retain all records related to the implementation of this ESPCP in accordance with Part IV.F of the General Permit GAR100002.

CROY
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

NTS

REVISION DATES

ESPCP GENERAL NOTES

REDWINE RD, PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		51-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015
Rev.08/01/2018 GPLN

SAMPLING LOCATIONS AND GENERAL NOTES

Representative sampling may be utilized on this project as explained here. The individual outfall drainage basins along the project corridor have been carefully evaluated and compared on the basis of four characteristics: the type of construction activity, the disturbed acreage, the average slope about the outfall, and the soil erosion index 0-10, 10 being the most erodible soil. The construction activity types are new road on fill, new road in cut, road widening, and maintenance/safety. The disturbed area classes are less than or equal to 1 acre, greater than 1 acre to less than 2 acres, and equal to or greater than 2 acres. The average outfall slope is mild if it is equal to or less than 0.03, and steep if it is greater than 0.03. The soil erosion index is low if it is less than or equal to 5 and high if it is greater than 5. After evaluation of these characteristics as presented in the project's drainage area map, hydrology and hydraulic studies, construction plans, geotechnical soil survey, and erosion sedimentation and pollution control plans, the Department has determined that the representative sampling scheme shown below is valid for the duration of the project. The table shows the groups of similar outfall drainage basins.

The increase in turbidity at the specified locations in the table below will be representative of the alternate outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative sampled features are identified in the table below.

Note: The Total Site Area is 2.87 acres.											Representative Sampling Scheme				
SAMPLING INFORMATION											OUTFALL CHARACTERISTICS				
Primary Sampled Feature	Location (Station and Offset)	Name of Receiving Water	Applicable Construction Stage for Sampling	Sampling Type (Outfall or Receiving water)	Drainage Area for Receiving Water (mi^2)	Upstream Disturbed Area (acres)	Warm or Cold Water Stream	Appendix B NTU Value (Outfall Sampling only)	Allowable NTU Increase (Receiving water sampling only)	Location Description	Construction Activity	Disturbed Area (acres)	Average Outfall Slope (Rise/Run)	Soil Erosion Index	Represented Outfall Drainage Basins
A	109+12, 52' RT	Whitewater Creek	ALL	Outfall	0.1	0.63	Warm	N/A	N/A	End of Ditch	Maintenace/ Safety	0.63	0.25	N/A	C
B	201+10, 29' RT	Camp Creek	ALL	Outfall	5.1	0.46	Warm	N/A	N/A	End of Ditch	Maintenace/ Safety	0.46	0.11	N/A	D
A	209+32, 46' LT	Whitewater Creek	ALL	Outfall	0.1	1.60	Warm	N/A	N/A	End of Ditch	Maintenace/ Safety	1.60	0.15	N/A	E
A	111+90, 36' RT	Whitewater Creek	ALL	Outfall	0.1	0.18	Warm	N/A	N/A	End of Ditch	Maintenace/ Safety	0.18	0.33	N/A	F

The primary sampled features specified should be used as the initial sampling locations. An alternate sampled feature may be used if additional sampling is required or to replace a primary sampled feature that is no longer located within the active phase of construction.

The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins within 7 days after installation.

CROY
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

NTS

REVISION DATES

ESPCP GENERAL NOTES

REDWINE RD, PEACHTREE PKWY INTERSECTION

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

DRAWING No. 51-0004

10/23/2015
Rev.08/01/2018 GPLN

APPENDIX 1

THE ES&PC PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE FOLLOWING BMPS FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO A IMPAIRED STREAM SEGMENT AND FOR SITES WHICH EPD HAS APPROVED IN WRITING A REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME.

The four items chosen must be appropriate for the site conditions.

Plan Page #	Included Y/N	
		a. During construction activities, double the width of the 25-foot undisturbed vegetated buffer along all State waters requiring a buffer and the 50-foot undisturbed vegetated buffer along all State waters classified as "trout streams" requiring a buffer. During construction activities, EPD will not grant variances to any such buffers that are increased in width.
		b. Increase all temporary sediment basins and retrofitted storm water management basins to provide sediment storage of at least 3600 cubic feet (134 cubic yards) per acre drained.
		c. Use baffles in all temporary sediment basins and retrofitted storm water management basins to at least double the conventional flow path length to the outlet structure.
54-	Y	d. A large sign (minimum 4 feet x 8 feet) must be posted on site by the actual start date of construction. The sign must be visible from a public roadway. The sign must identify the following: (1) construction site, (2) the permittee(s). (3) the contact person(s) and telephone number(s), and (4) the permittee-hosted website where the Plan can be viewed must be provided on the submitted NOI. The sign must remain on site and the Plan must be available on the provided website until a NOT has been submitted.
		e. Use flocculants or coagulants and/or mulch to stabilize areas left disturbed for more than seven (7) calendar days in accordance with **Part III. D.1.** of the current NPDES Permits.
54-	Y	f. Conduct turbidity sampling after every rain event of 0.5 inch or greater within any 24-hour period, recognizing the exceptions specified in **Part IV.D.6.d.** of the current NPDES Permits.
		g. Comply with the applicable end-of-pipe turbidity effluent limit, without the "BMP defense" as provided for in O.C.G.A. 12-7-6 (a)(1).
		h. Reduce the total planned site disturbance to less than 50% impervious surfaces (excluding any State-mandated buffer areas from such calculations). All calculations must be included on the Plan.
		i. Limit the amount of disturbed area at any one time to no greater than 25 acres or 50% of the total planned site, whichever is less. All calculations must be included on the Plan.
		j. Use "Dirt II" techniques available on the EPD website to model and manage construction storm water runoff (including sheet flow). All calculations must be included on the Plan. (https://epd.georgia.gov/erosion-and-sedimentation)
		k. Add appropriate organic soil amendments (e.g., compost) and conduct pre- and post-construction soil sampling to a depth of six (6) inches to document improved levels of soil carbon after final stabilization of the construction site.
		l. Use mulch filter berms, in addition to a silt fence, on the site perimeter wherever construction storm water (including sheet flow) may be discharged. Mulch filter berms cannot be placed in waterways or areas of concentrated flow.
		m. Use appropriate erosion control slope stabilization instead of concrete in all construction storm water ditches and storm drainages designed for a 25-year, 24-hour rainfall event.
		n. Use flocculants or coagulants under a passive dosing method (e.g., flocculant blocks) within construction storm water ditches and storm drainages that feed into temporary sediment basins and retrofitted management basins.
54-	Y	o. Install sod for a minimum 20-foot width (in lieu of seeding) after final grade has been achieved, along the site perimeter wherever storm water (including sheet flow) may be discharged.
		p. Conduct soil tests to identify and to implement site-specific fertilizer needs.
		q. Certified personnel for primary permittees shall conduct inspections at least twice every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with **Part IV.D.4.a.(3)(a) – (c)**; secondary permittees, **Part IV.D.4.b.(3)(a) – (c)**; and tertiary permittees **Part IV.D.4.c.(3)(a) – (c)** *
54-	Y	r. Apply the appropriate compost blankets (minimum depth 1.5 inches) to protect soil surfaces until vegetation is established during the final stabilization phase of the construction activity.
		s. Use alternative BMPs whose performance has been documented to be superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). (If using this item please refer to the Alternative BMP guidance document found at *www.gaswcc.georgia.gov*)
		t. Limit the total planned site disturbance to less than 15% impervious surfaces (excluding any state mandated buffer areas from such calculations). All calculations must be included in the Plan.
		u. Conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase of the project by the design professional who prepared the Plan in accordance with **Part IV.A.5** of the permit. *The Plan must include a statement that the primary permittee must retain the design professional who prepared the Plan to conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase.*
		v. Install Post Construction BMPs (e.g., runoff reduction BMPs) which remove 80% TSS as outlined in the Georgia Stormwater Management Manual known as the Blue Book or an equivalent or more stringent design manual.

Effective January 1, 2022

* This requirement is different for infrastructure projects:
Certified personnel for primary permittees shall conduct inspections at least once every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Part IV.D.4.a.(3)(a) – (c) of the permit.

CROY
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

NTS

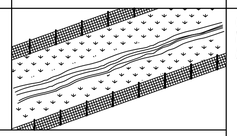
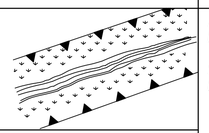
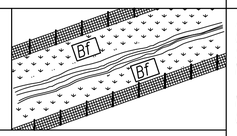
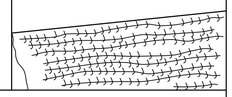
REVISION DATES

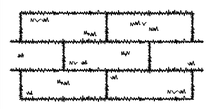
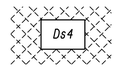
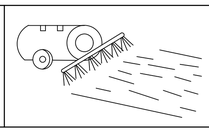
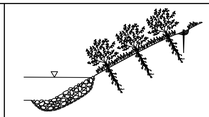
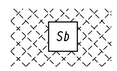
ESPCP GENERAL NOTES

REDWINE RD, PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		51-0005
VERIFIED:		DATE:		

10/23/2015
Rev.08/01/2018 GPLN

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
	ORANGE BARRIER FENCE		ORANGE BARRIER FENCE DELINEATES ENVIRONMENTALLY SENSITIVE AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, OR PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.
	LINE CODE	ORANGE BARRIER FENCE	
ESA	ENVIRONMENTALLY SENSITIVE AREA		AN ENVIRONMENTALLY SENSITIVE AREA (ESA) CONTAINS RESOURCES THAT ARE ENVIRONMENTALLY, CULTURALLY, OR HISTORICALLY SENSITIVE. ESAs INCLUDE, BUT ARE NOT LIMITED TO: STATE WATER BUFFERS, HISTORIC SITES, ARCHAEOLOGICAL SITES, AND PROTECTED ANIMAL AND PLANT SPECIES HABITATS. IF WORK IS AUTHORIZED IN THIS AREA, THE WORK MUST BE PERFORMED IN ACCORDANCE WITH SECTION 107 AND ANY OTHER APPLICABLE SPECIAL PROVISIONS AND APPLICABLE PLAN NOTES.
	LINE CODE	ESA-25'(OR 50')STREAM BUFFER, ETC.	
Bf	BUFFER ZONE		A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION, OR THE RE-ESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAMS, PONDS, WETLANDS, LAKES, AND COASTAL WATERS. WHEN NECESSARY, BUFFER ZONES ARE TO BE PROTECTED BY ORANGE BARRIER FENCE.
	SYMBOL	Bf	
Ds1	MULCH SECTION 163		THIS IS AN APPLICATION OF STRAW MULCH USED TO REDUCE SOIL EROSION AND STABILIZE THE SOIL. IT IS USED TO CONTROL EROSION IN AREAS WHERE PERMANENT VEGETATION IS OUT OF SEASON OR TO TEMPORARILY STABILIZE AREAS PRIOR TO FINAL GRADING. MULCHING REQUIREMENTS ARE ADDRESSED BY STANDARD SPECIFICATIONS AND/OR THE PROJECT ENGINEER. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL	Ds1	
Ds2	TEMPORARY GRASSING SECTION 163, 700		THE SOWING OF A QUICK GROWING SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON. IT IS TYPICALLY USED TO CONTROL EROSION IN AREAS LONGER THAN MULCHING IS EXPECTED TO LAST. TEMPORARY GRASSING SHOULD BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATIONS. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL	Ds2	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ds3	PERMANENT GRASSING SECTION 700		THE SOWING OF PERMANENT VEGETATION, SUCH AS GRASS, SUITABLE TO THE AREA AND SEASON. PERMANENT VEGETATION SHALL BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATION. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL	Ds3	
Ds4	SODDING CONSTRUCTION DETAIL D-54 SECTION 700, 890		THE INSTALLATION OF A SPECIES OF GRASS SODDING SUITABLE TO THE AREA AND SEASON TO PROVIDE IMMEDIATE PERMANENT VEGETATION. SODDING MAY BE SHOWN FOR HIGHLY SENSITIVE AREAS, TO IMPROVE AESTHETICS, OR FOR SPECIAL PLANTING REQUIREMENTS ON THE BASIS OF ENVIRONMENTAL COMMITMENTS OR LANDSCAPING REQUIREMENTS. THE BMP PATTERN FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	PATTERN		
Fl-Co	FLOCCULANTS COAGULANTS SECTION 163, 700, 895		FLOCCULANTS AND COAGULANTS ARE USED TO SETTLE SUSPENDED SEDIMENT, HEAVY METALS, AND HYDROCARBONS (TSS) IN SLOW MOVING RUNOFF FROM CONSTRUCTION SITES FOR WATER CLARIFICATION. ANIONIC POLYACRYLAMIDES (PAM) MAY BE USED IN CONJUNCTION WITH BMPs WITHIN CHANNELS UPSTREAM OF A POST-CONSTRUCTION POND, TEMPORARY SEDIMENT BASIN, OR TEMPORARY SEDIMENT TRAP. FLOCCULANTS SHALL NOT BE USED DOWNSTREAM OF AFOREMENTIONED BMPs! FLOCCULANTS/COAGULANTS ARE TO BE SHOWN ON PLANS WITH APPLICABLE BMP IF NEEDED. PAYMENT FOR PAM AS A FLOCCULANT WILL BE INCLUDED IN THE PRICE FOR THE INSTALLATION AND/OR MAINTENANCE OF THE BMP IT IS USED IN CONJUNCTION WITH. NO SEPARATE PAYMENT WILL BE MADE.
	SYMBOL	Fl-Co POLYACRYLAMIDE	
Sb	STREAMBANK STABILIZATION SECTION 702		STREAMBANK STABILIZATION IS THE USE OF READILY AVAILABLE NATIVE PLANT MATERIALS TO MAINTAIN AND ENHANCE STREAMBANKS, OR TO PREVENT, OR RESTORE AND REPAIR SMALL STREAMBANK EROSION PROBLEMS. STREAMBANK STABILIZATION AREAS SHOULD BE SHOWN ON THE PLANS WHEN APPLICABLE TO THE PROJECT. REFER TO THE PROJECT'S STREAM AND STREAM BUFFER MITIGATION PLANS FOR PLANT SPECIES, LOCATIONS, AND OTHER PLANTING DETAILS.
	PATTERN		

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

REVISION DATES		
3/2/2017		

NO SCALE

EROSION CONTROL LEGEND

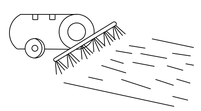
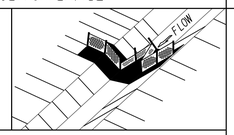
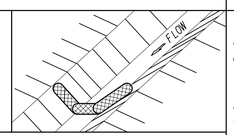
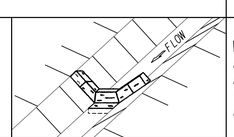
UNIFORM CODE SHEET

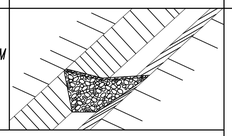
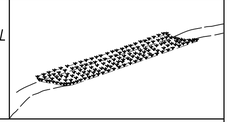
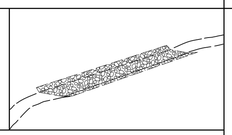
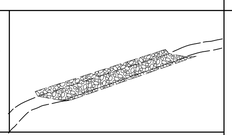
SHEET 1 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 52-0001

7/31/2015 GPLN

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ss	SLOPE STABILIZATION CONSTRUCTION DETAIL D-35 SECTION 716 PATTERN: Ss		SLOPE STABILIZATION (EROSION CONTROL MATTING) IS A PROTECTIVE COVERING USED TO PREVENT EROSION AND ESTABLISH TEMPORARY OR PERMANENT VEGETATION ON STEEP SLOPES, SHORE LINES, OR CHANNELS. SLOPE STABILIZATION MAY BE A ROLLED EROSION CONTROL PRODUCT (RECP) OR A HYDRAULIC EROSION CONTROL PRODUCT (HECP). SLOPE STABILIZATION SHALL BE USED ON ALL CUT OR FILL SLOPES OF 2.5:1 OR STEEPER AND WITHIN 50 FEET OF ALL CROSS DRAINS AND CULVERTS. NOTE: ONLY COCONUT FIBER BLANKET OR WOOD FIBER BLANKET SHALL BE USED AS SLOPE STABILIZATION WITHIN BUFFERED AREAS.
Tac	TACKIFIERS SECTION 163, 700, 895 SYMBOL: Tac POLYACRYLAMIDE		TACKIFIERS HYDRATE IN WATER AND READILY BLEND WITH OTHER SLURRY MATERIALS AND ARE USED TO TIE-DOWN FOR SOIL, COMPOST, SEED, STRAW, HAY OR MULCH. TACKIFIERS REQUIREMENTS, SUCH AS ANIONIC POLYACRYLAMIDES (PAM) ARE ADDRESSED BY STANDARD SPECIFICATIONS AND ARE NOT TYPICALLY SHOWN ON THE PLANS. PAM IS TYPICALLY USED BY THE CONTRACTOR FOR TEMPORARY OR PERMANENT GRASSING. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR CRITERIA.
Cd-F	FABRIC CHECK DAM CONSTRUCTION DETAIL D-24D SECTION 171 SYMBOL: Cd-F		A CHECK DAM COMPOSED OF SYNTHETIC FIBER FABRIC, WIRE REINFORCED, POST, OVERFLOW WEIR, AND TURF REINFORCEMENT MATTING (TRM) SPLASHPAD PLACED IN DITCHES IN A SPECIAL CONFIGURATION WHICH CONTROLS ENERGY DISSIPATION AND FILTRATION OF STORM WATER. SEE CONSTRUCTION DETAIL D-24D FOR ADDITIONAL INFORMATION AND SPACING REQUIREMENTS. THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS AND WITHIN THE CLEAR ZONE. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Cd-Fs	COMPOST FILTER SOCK CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163 SYMBOL: Cd-Fs		A COMPOST FILTER SOCK CHECK DAM IS COMPOSED OF A PHOTODEGRADABLE OR BIODEGRADABLE KNITTED MESH MATERIAL CONTAINING A WEED FREE FILLER MATERIAL DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THEY SHALL BE PROPERLY STAKED FOR DITCH APPLICATIONS. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR MATERIAL SPECIFICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Cd-Hb	BALED STRAW CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163 SYMBOL: Cd-Hb		A BALE STRAW CHECK DAM IS COMPOSED OF BALES PREFERABLY BOUND WITH WIRE OR NYLON INSTEAD OF TWINE. BALES SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING ADJACENT BALES. THE DOWNSTREAM ROW OF BALES SHALL BE PLACED IN A TRENCH TO ALLOW THE TOP OF THE BALE'S LONG, WIDE SIDE TO BE LEVEL WITH THE GROUND AS A NON-ERODIBLE SPLASH PAD. PROPER STAKING IS ALSO REQUIRED FOR DITCH APPLICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Cd-S	STONE CHECK DAM OR SANDBAG CHECK DAM CONSTRUCTION DETAIL D-56 SECTION 163, 603 SYMBOL: Cd-S		STONE CHECK DAMS ARE CONSTRUCTED OF TYPE-3 RIP-RAP WITH GEOTEXTILE UNDERLINER. STONE CHECK DAMS ARE PREFERRED IN ROADWAY DITCHES OUTSIDE THE CLEAR ZONE. CONSIDERATION SHOULD BE GIVEN TO USING OTHER APPROPRIATE CHECK DAMS AND/OR BMPs WITHIN THE CLEAR ZONE. SANDBAG CHECK DAMS ARE RECOMMENDED IN CONCRETE LINED CHANNELS FOR TEMPORARY VELOCITY CONTROL ONLY. ENSURE DISCHARGE POINT IS PROPERLY STABILIZED AND INCLUDE APPROPRIATE BMPs FOR SEDIMENT STORAGE UPSTREAM AND/OR DOWNSTREAM OF CONCRETE LINED CHANNELS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Ch-I	VEGETATED CHANNEL STABILIZATION SECTION 700 LINE CODE: Ch-I		A NEW OR EXISTING CHANNEL MAY BE LINED WITH PERMANENT VEGETATION ONLY FOR VELOCITIES UP TO 5.0 fps. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT CHANNEL LINING DESIGN PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. TYPICALLY NOT SHOWN IN PLANS.
Ch-2R1	CHANNEL STABILIZATION RIP-RAP, TYPE 1 CONSTRUCTION DETAIL D-49 SECTION 603 LINE CODE: Ch-2R1		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2R3	CHANNEL STABILIZATION RIP-RAP, TYPE 3 CONSTRUCTION DETAIL D-49 SECTION 603 LINE CODE: Ch-2R3		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

7/31/2015 GPLN

GDOT

NO SCALE

REVISION DATES
3/2/2017
11/28/2018

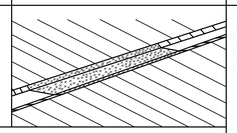
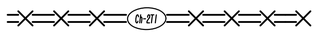
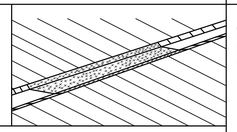
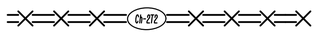
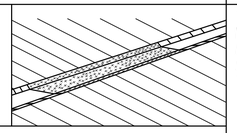
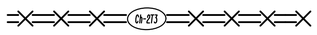
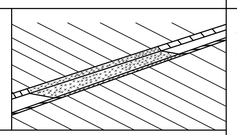
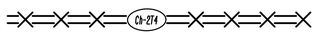
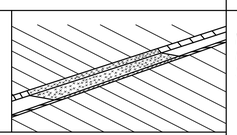
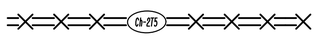
EROSION CONTROL LEGEND

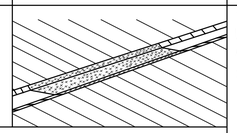
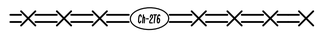
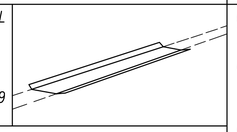
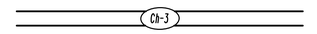
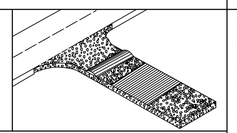
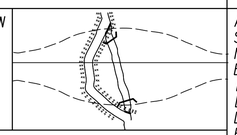
UNIFORM CODE SHEET

SHEET 2 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 52-0002

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T1	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-2 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T2	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-4 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T3	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-6 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T4	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-8 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T5	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-10 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T6	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-12 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-3	CONCRETE CHANNEL STABILIZATION CONSTRUCTION DETAIL D-10, D-49 SECTION 441	 LINE CODE 	CHANNELS ARE LINED WITH CONCRETE FOR VELOCITIES >/= 10 fps. THIS ITEM CONSISTS OF CONSTRUCTING A 4" THICK CONCRETE CHANNEL. THE CONCRETE SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. RIP-RAP SHOULD BE USED TO DISSIPATE ENERGY DOWNSTREAM OF CONCRETE LINED CHANNELS.
Co	CONSTRUCTION EXIT CONSTRUCTION DETAIL D-41 SECTION 163, 800	 SYMBOL 	A CONSTRUCTION EXIT IS A STONE STABILIZED PAD THAT REDUCES OR ELIMINATES THE TRANSPORT OF MUD FROM CONSTRUCTION AREAS ONTO PUBLIC ROADS BY EQUIPMENT OR RUNOFF. BEST USED AT ACCESS POINTS, I.e. NEW LOCATION PROJECTS, BORROW PITS, WASTE PITS, ACCESS ROADS, ETC. SHOULD BE MINIMUM 20' WIDE, 50' LONG, 6" THICK, AND REQUIRES A GEOTEXTILE UNDERLINER. ON SITES WHERE THE GRADE TOWARD A PAVED AREA IS GREATER THAN 2%, A FULL WIDTH DIVERSION RIDGE 6" TO 8" HIGH WITH 3:1 SLOPES SHALL BE CONSTRUCTED APPROXIMATELY 15' UPSTREAM OF PAVED AREA. A TIRE WASHING AREA TO REMOVE MUD MAY ALSO BE REQUIRED PRIOR TO ENTRANCE ONTO PUBLIC ROADWAYS. ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.
Dc-A	STREAM DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163	 LINE CODE 	A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE OR POLYETHYLENE FILM. INSTALL TWO ROWS OF Sdi-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 0 - 2.5 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

7/31/2015 GPLN

GDOT

NO SCALE

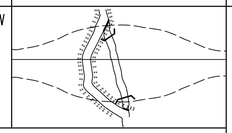
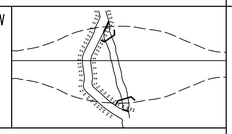
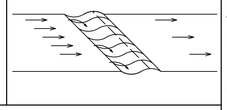
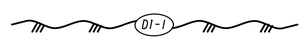
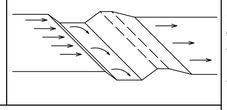
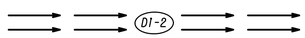
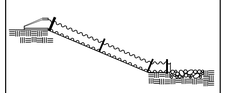
REVISION DATES
3/2/2017

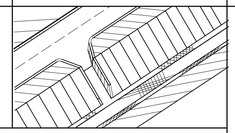
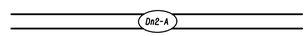
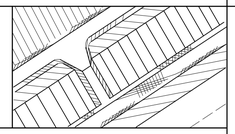
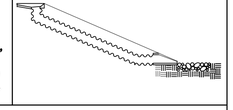
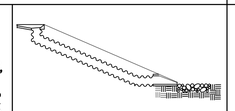
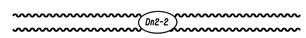
EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 3 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE ONLY. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 2.5 - 9.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE		
Dc-C	STREAM DIVERSION CHANNEL RIP-RAP & GEOTEXTILE SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH RIP-RAP AND GEOTEXTILE. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 9.0 - 13.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE		
D1-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205		A NON-DESIGNED TEMPORARY EARTHEN BERM WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO BE USED AT THE EDGE OF EMBANKMENT DURING THE GRADING OPERATION. THE BERMS ARE ALSO CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE. THEY ARE USED TO INTERCEPT RUNOFF, PREVENTING SLOPE EROSION AND TO DIRECT THE RUNOFF TO A STABLE OUTLET, DOWN DRAINS "Dn1"OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS.
	LINE CODE		
D1-2	DIVERSION CHANNEL SECTION 205		A DESIGNED TEMPORARY OR PERMANENT CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO DIVERT OFFSITE RUNOFF AWAY FROM DISTURBED AREAS WITHIN THE PROJECT AREA. CHANNEL FOR OFFSITE RUNOFF SHALL BE STABILIZED WITH APPROPRIATE CHANNEL STABILIZATION. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. A DIVERSION CHANNEL DETAIL MUST ALSO BE PROVIDED IN THE ESPCP. RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION.
	LINE CODE		
Dn1	TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163		A TEMPORARY PIPE SLOPE DRAIN IS A PLASTIC FLEXIBLE PIPE TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. TEMPORARY SLOPE DRAINS SHOULD BE PLACED AT INTERVALS OF 350 FEET ON 0% - 2% GRADES, 200 FEET ON STEEPER GRADES AND MORE FREQUENTLY AS DICTATED BY FIELD CONDITIONS. THE TYPICAL PIPE SIZE IS A CORRUGATED 10". THE PIPE WILL BE ANCHORED WITH STAKES AT INTERVALS NOT TO EXCEED 10'. THE OUTLET AREA SHALL BE STABILIZED FOR VELOCITY DISSIPATION AND EROSION CONTROL.
	LINE CODE		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dn2-A	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		A CONCRETE FLUME TYPE "A" IS USED TO DIRECT SURFACE RUNOFF DOWN A ROADWAY SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE WATER WILL FLOW DOWN THE SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OTHER CRITERIA).
	LINE CODE		
Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		A CONCRETE FLUME TYPE "B" IS USED TO DIRECT SURFACE DITCH RUNOFF DOWN A BACK SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN DEPRESSED AREAS WHERE CONCENTRATED OFFSITE WATER REACHES THE CUT SLOPE. IT IS DESIGNED TO SAFELY CONVEY WATER DOWN THE CUT SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE		
Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP1, 9017J TP1, DETAIL D-26 TP1 SECTION 576, 577		CONCRETE DRAIN INLET WITH METAL PIPE IS USED TO DRAIN CURBS, ON A GRADE, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE		
Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577		CONCRETE DRAIN INLET AND METAL PIPE IS USED TO DRAIN CURB, IN A SAG, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE		

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

GDOT

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND

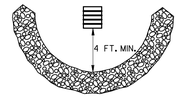
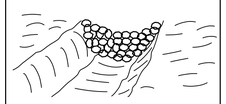
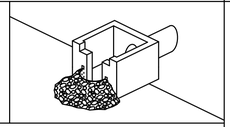
UNIFORM CODE SHEET

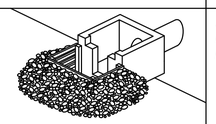
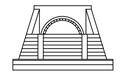
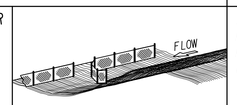
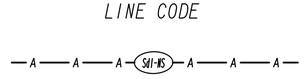
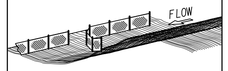
SHEET 4 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 52-0004

7/31/2015 GPLN

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Fr	FILTER RING CONSTRUCTION DETAIL D-46 SECTION 163	 SYMBOL Fr	A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS AND POST-CONSTRUCTION POND OUTLETS. IT REDUCES RUNOFF VELOCITY AND HELPS PREVENT SEDIMENT FROM LEAVING SITE PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION ON USAGE.
Rd	ROCK FILTER DAM CONSTRUCTION DETAIL D-43 SECTION 163, 603	 SYMBOL Rd	ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. THEY ARE PLACED ACROSS DRAINAGEWAYS WHICH DRAIN 50 ACRES OR LESS. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING ROCK FILTER DAMS. THE DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS. ROCK FILTER DAMS SHOULD BE USED IN DITCHES PRIOR TO DISCHARGING INTO STREAMS, WETLANDS, OPEN-WATERS, OR OTHER ESAs.
Rd-B	STONE FILTER BERM CONSTRUCTION DETAIL D-50 SECTION 163, 603	 LINE CODE 	STONE FILTER BERMS ARE CONSTRUCTED SIMILAR TO ROCK FILTER DAMS FOR A LINEAR APPLICATION. THEY ARE CONSTRUCTED OF TYPE-3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING STONE FILTER BERMS. STONE FILTER BERMS ARE IDEAL ALONG THE PERIMETER FOR SHEET FLOW AND/OR SHALLOW CONCENTRATED FLOW TO A COMMON LOW AREA WHERE PERIMETER SILT FENCE ALONE MAY BE INSUFFICIENT, THERE IS NO WELL-DEFINED CHANNEL FOR A STANDARD ROCK FILTER DAM, AND/OR CONSTRUCTING A ROCK OUTLET TEMPORARY SEDIMENT TRAP IS NOT APPLICABLE.
Rp	RIP-RAP SECTION 603	 PATTERN 	RIP-RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND BRIDGE END ROLLS. RIP-RAP TYPE-I SHOULD BE PLACED ON TOP OF A GEOTEXTILE UNDERLINER AT A MINIMUM 24" THICKNESS OR AS INDICATED ON THE PLANS. RIP-RAP MAY ALSO BE USED AT DRAINAGE STRUCTURE OUTLETS WITHIN THE RIGHT-OF-WAY. HOWEVER, APPROPRIATE OUTLET PROTECTION SHOULD BE PROVIDED AT OUTFALLS. REFER TO STORM DRAIN OUTLET PROTECTION FOR ADDITIONAL INFORMATION ON USING RIP-RAP AT OUTFALLS.
Rt-P	RETROFITTING PERFORATED HALF-ROUND PIPE CONSTRUCTION DETAIL D-44 SECTION 163	 SYMBOL Rt-P	A PERFORATED HALF-ROUND PIPE WITH STONE FILTER PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER. SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 30 ACRES TOTAL DRAINAGE AREA. SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Rt-B	RETROFITTING SLOTTED BOARD DAM CONSTRUCTION DETAIL D-45 SECTION 163	 SYMBOL Rt-B	A SLOTTED BOARD DAM CONSISTS OF STONE AND/OR FILTER FABRIC AND BOARDS WITH 0.5" - 1.0" SPACING TO SERVE AS A TEMPORARY SEDIMENT FILTER. PERMANENT STORMWATER DETENTION POND OUTLET: -DRAINAGE AREA UP TO 100 ACRES -DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA ROADWAY DRAINAGE STRUCTURE: -OPEN END PIPES, WINGED HEADWALLS, OR CONCRETE WEIR OUTLETS WITH DRAINAGE AREA LESS THAN 30 ACRES REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
Rt-Sg1 Rt-Sg2 Rt-Sg3	RETROFITTING SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163	 FRONT VIEW SYMBOL Rt-Sg1 Rt-Sg2 Rt-Sg3	A SILT CONTROL GATE CONSISTS OF BOARDS WITHOUT SPACING AND FILTER FABRIC TO BE USED FOR TEMPORARY SEDIMENT STORAGE ON ROADWAY PROJECTS AT THE INLET OF STRUCTURES WITH A DRAINAGE AREA UP TO 50 ACRES. THE DISTURBED AREA WITHIN THE DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. SILT CONTROL GATES SHOULD NOT BE USED ALONE, BUT WITH ANOTHER BMP DOWNSTREAM PRIOR TO DISCHARGE LEAVING PROJECT AREA. DO NOT USE SILT GATES IN STATE WATERS. Rt-Sg1=TYPE 1: USED ON BOX CULVERTS Rt-Sg2=TYPE 2: USED ON STRAIGHT HEADWALLS Rt-Sg3=TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS
Sdl-NS	SEDIMENT BARRIER (NON-SENSITIVE) SILT FENCE TYPE A CONSTRUCTION DETAIL D-24 SECTION 171	 LINE CODE 	SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-A SILT FENCE IS TYPICALLY USED IN NON-ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS LESS THAN 10'. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.
Sdl-S	SEDIMENT BARRIER (SENSITIVE) SILT FENCE TYPE C CONSTRUCTION DETAIL D-24 SECTION 171	 LINE CODE 	SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-C SILT FENCE IS TYPICALLY USED IN ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS 10' AND GREATER. ALL ENVIRONMENTALLY SENSITIVE AREAS (ESAs) SHALL BE PROTECTED WITH A DOUBLE-ROW OF TYPE-C SILT FENCE REGARDLESS OF FILL HEIGHT. A SINGLE-ROW MAY BE USED FOR OTHER APPLICATIONS. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

GDOT

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND

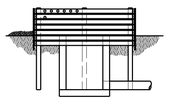
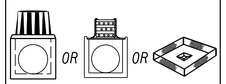
UNIFORM CODE SHEET

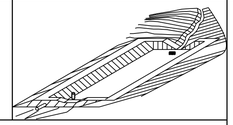
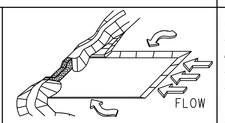
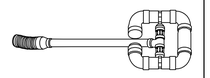
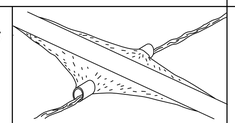
SHEET 5 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 52-0005

7/31/2015 GPLN

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER CONSTRUCTION DETAIL D-24B SECTION 201		THIS ITEM CONSISTS OF INTERMINGLED BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM. CONSTRUCTED AT THE TOE OF FILL SLOPES ONLY DURING THE CLEARING AND GRUBBING OPERATION. THE BARRIER SHOULD BE USED AT THE TOE OF FILL SLOPES ON GRADING PROJECTS IN RURAL AREAS WHERE SUFFICIENT RIGHT OF WAY OR EASEMENT IS AVAILABLE (10 FEET OR MORE). THE BARRIER SHOULD RUN ROUGHLY PERPENDICULAR TO THE FLOW OF WATER WHERE THIS DOES NOT CONFLICT WITH RIGHT-OF-WAY OR EASEMENT LIMITS. THEY WILL NOT BE PLACED IN WETLANDS. TYPICALLY NOT SHOWN ON PLANS. PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPARATE PAYMENT SHALL BE MADE.
	LINE CODE * * * (Sd1-BB) * * *		
Sd2-B	INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163		BAFFLE BOX INLET SEDIMENT TRAP USED FOR INLETS RECEIVING HIGH FLOW RATE AND/OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES 7 cfs AND GREATER.
	SYMBOL Sd2-B		
Sd2-Bg	INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-42 SECTION 163		BLOCK AND GRAVEL DROP INLET PROTECTION USED FOR WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. CAN BE USED AT CULVERT INLETS. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 5 - 7 cfs.
	SYMBOL Sd2-Bg		
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-24C SECTION 163		(a) A SEDIMENT BARRIER CONSISTING OF A PREFABRICATED FRAME WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (b) A SEDIMENT BARRIER CONSISTING OF A PERFORATED METAL STAND PIPE WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (c) TYPE C SILT FENCE WITH SUPPORTING FRAME CAN BE USED AS AN ALTERNATE TO INLET SEDIMENT TRAP FOR AREAS WITH SLOPES < 5%. THIS ITEM IS USED TO PREVENT SILT FROM ENTERING THE PIPE SYSTEM. SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS. RECOMMENDED FOR INLET RECEIVING FLOW RATES THAT RANGE FROM 0 - 4 cfs.
	SYMBOL Sd2-F		
Sd2-G	INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163		GRAVEL DROP INLET PROTECTION USED WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED. STONE AND GRAVEL ARE USED TO TRAP SEDIMENT. THE SLOPE TOWARD THE INLET SHALL BE NO MORE THAN 3:1. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 3 - 5 cfs.
	SYMBOL Sd2-G		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd3	TEMPORARY SEDIMENT BASIN CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BASIN CREATED BY EXCAVATING AN AREA, DAMMING CONCENTRATED FLOW, OR A COMBINATION OF BOTH. THE BASIN IS DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DRAINAGE AREA. THE DRAINAGE AREA SHOULD NOT EXCEED 150 ACRES. BASINS TYPICALLY CONSISTS OF A DAM, PRINCIPAL SPILLWAY, AND AN EMERGENCY SPILLWAY. A FLOATING SURFACE SKIMMER SHALL BE REQUIRED AS PART OF THE PRINCIPAL SPILLWAY UNLESS INFEASIBLE. SUFFICIENT RIGHT-OF-WAY OR EASEMENT IS NEEDED FOR BASIN CONSTRUCTION AND MAINTENANCE ACCESS. SEDIMENT BASINS SHALL BE CONSIDERED ON ALL PROJECTS, BUT MAY NOT BE PRACTICAL. BASINS SHOULD BE LOCATED TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND UTILITIES. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL Sd3		
Sd4-C	ROCK OUTLET TEMPORARY SEDIMENT TRAP CONSTRUCTION DETAIL D-53 SECTION 163		TEMPORARY POND WITH ROCK OUTLET DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER DRAINAGE AREA. DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. DISTINGUISHED FROM TEMPORARY SEDIMENT BASIN BY LACK OF PRINCIPAL SPILLWAY. MAXIMUM POND DEPTH FROM BOTTOM OF POND TO EMERGENCY SPILLWAY IS 4 FEET. A TEMPORARY SEDIMENT BASIN SHALL BE EVALUATED PRIOR TO CONSIDERING A TEMPORARY SEDIMENT TRAP. A TEMPORARY SEDIMENT TRAP IS IDEAL FOR SMALL AREAS WITH NO UNUSUAL DRAINAGE FEATURES AND EFFECTIVE AGAINST COARSE SEDIMENT, BUT NOT AGAINST SILT OR CLAY PARTICLES THAT REMAIN SUSPENDED. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL Sd4-C		
Sk	FLOATING SURFACE SKIMMER CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BUOYANT DEVICE THAT DRAINS WATER FROM THE SURFACE OF A TEMPORARY SEDIMENT BASIN AT A CONTROLLED FLOW RATE. THE INLET/ORIFICE SIZE IS DESIGNED TO DRAIN THE BASIN WITHIN 24 - 48 HOURS. THE SKIMMER INFORMATION SHALL BE PROVIDED IN CONJUNCTION WITH THE SEDIMENT BASIN INFORMATION IN PLANS. IF A SKIMMER IS INFEASIBLE, THE DESIGNER SHALL PROVIDE A WRITTEN JUSTIFICATION IN THE PLANS. SKIMMERS ARE ATTACHED TO A RISER WITHOUT PERFORATIONS AND ACTS AS THE PRIMARY SPILLWAY. THE SKIMMER BMP SYMBOL SHALL BE SHOWN IN CONJUNCTION WITH THE TEMPORARY SEDIMENT BASIN BMP SYMBOL WHEN APPLICABLE. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION.
	SYMBOL Sk		
Sr	TEMPORARY STREAM CROSSING SECTION 107		A TEMPORARY STRUCTURE INSTALLED ACROSS A FLOWING STREAM OR WATERCOURSE FOR USE BY CONSTRUCTION EQUIPMENT. THIS BMP PROVIDES A MEANS TO CROSS STREAMS OR WATERCOURSES WITHOUT MOVING SEDIMENT INTO STREAMS, DAMAGING THE STREAM BED OR CHANNEL, OR CAUSING FLOODING. THIS BMP SHOULD NOT BE USED ON STREAMS WITH DRAINAGE AREAS GREATER THAN ONE SQUARE MILE, UNLESS SPECIFICALLY DESIGNED TO ACCOMMODATE THE ADDITIONAL DRAINAGE AREA BY THE DESIGN PROFESSIONAL. A CERTIFICATION STATEMENT AND SIGNATURE SHALL ACCOMPANY THE DESIGN. THIS BMP SHALL BE DESIGNED ACCORDING TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". FOR CONTRACTOR'S USE ONLY!
	SYMBOL Sr		

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

7/31/2015 GPLN

GDOT

NO SCALE

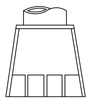
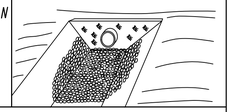
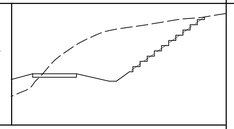
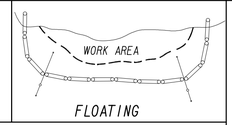
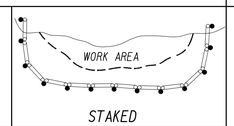
REVISION DATES
3/2/2017
11/28/2018

EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 6 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0006
CORRECTED:		DATE:		
VERIFIED:		DATE:		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
St	STORM DRAIN OUTLET PROTECTION GA. STD. 1125 & 2332		A PIPE OR BOX CULVERT OUTLET HEADWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. IT IS USED ON THE OUTLET OF ALL BOX CULVERTS AND ON 48" AND LARGER PIPES. MAY BE USED ON INLET FOR FLOWING STREAMS. USE ON SMALL PIPES WHEN OUTLET VELOCITY OF THE 25-YEAR STORM IS 12 fps AND GREATER.
	SYMBOL St		
St-Rp	STORM DRAIN OUTLET PROTECTION (RIP-RAP) CONSTRUCTION DETAIL D-55 SECTION 603		RIP-RAP OUTLET PROTECTION IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE, CHANNEL, OR STRUCTURE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. THE MINIMUM DESIGN OF RIP-RAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM PEAK FLOW, BUT LARGER STORMS ARE RECOMMENDED. TYPE-1 RIP-RAP AT A DEPTH OF 36" AND PLACED ON FILTER FABRIC IS PREFERRED FOR ALL d50 </= 1.2 FEET. TYPE-3 RIP-RAP AT A DEPTH OF 18" AND PLACED ON FILTER FABRIC MAY BE USED FOR d50 </= 0.7 FEET. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR REQUIRED DESIGN DIMENSIONS AND OTHER INFORMATION TO BE INCLUDED IN THE PLANS.
	PATTERN FLAT AREA St-Rp OR St-Rp WELL-DEFINED CHANNEL		
Su	SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL S-7 SECTION 205		PROVIDING A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS, BY OPERATING A CLEATED DOZER ON THE SLOPE IN A VERTICAL DIRECTION. CREATING SERRATED SLOPES IN THE GRADING PROCESS TO CONSTRUCT BENCHES WILL REDUCE RUNOFF VELOCITY AND INCREASE INFILTRATION OF WATER. IN MOST CASES THIS BMP IS NOT REQUIRED TO BE SHOWN ON THE PLANS, BUT REQUIRED TO BE COMPLETED BY THE CONTRACTOR UNDER ALL PROJECTS. IF SERRATED SLOPES ARE SPECIFIED BY THE SOIL SURVEY, THEN THIS BMP SHALL BE SHOWN ON THE PLANS WHERE SERRATED SLOPES ARE TO BE USED.
	LINE CODE Su		
Tc-F	TURBIDITY CURTAIN FLOATING CONSTRUCTION DETAIL D-51 SECTION 170	 FLOATING	A FLOATING TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED WHERE CONSTRUCTION IS REQUIRED IN A LARGE BODY OF WATER SUCH AS LAKES AND RIVERS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY ALSO BE REFERRED TO AS A FLOATING BOOM, SILT BARRIER, OR SILT CURTAIN.
	LINE CODE Tc-F		
Tc-S	TURBIDITY CURTAIN STAKED CONSTRUCTION DETAIL D-51 SECTION 170	 STAKED	A STAKED TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED IN SHALLOW INUNDATED AREAS. IT MAY BE USED TO PROTECT A SMALL STREAM BEING REALIGNED OR RESTORED. IN THIS CASE, CURTAIN SHOULD EXTEND TO BOTTOM OF STREAMBED. THE HEIGHT SHOULD BE LIMITED TO 5 FEET UNLESS DIRECTED AND EXTEND 2 FEET ABOVE NORMAL WATER ELEVATION. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY BE REFERRED TO AS A SILT BARRIER OR SILT CURTAIN.
	LINE CODE Tc-S		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

7/31/2015 GPLN

NO SCALE

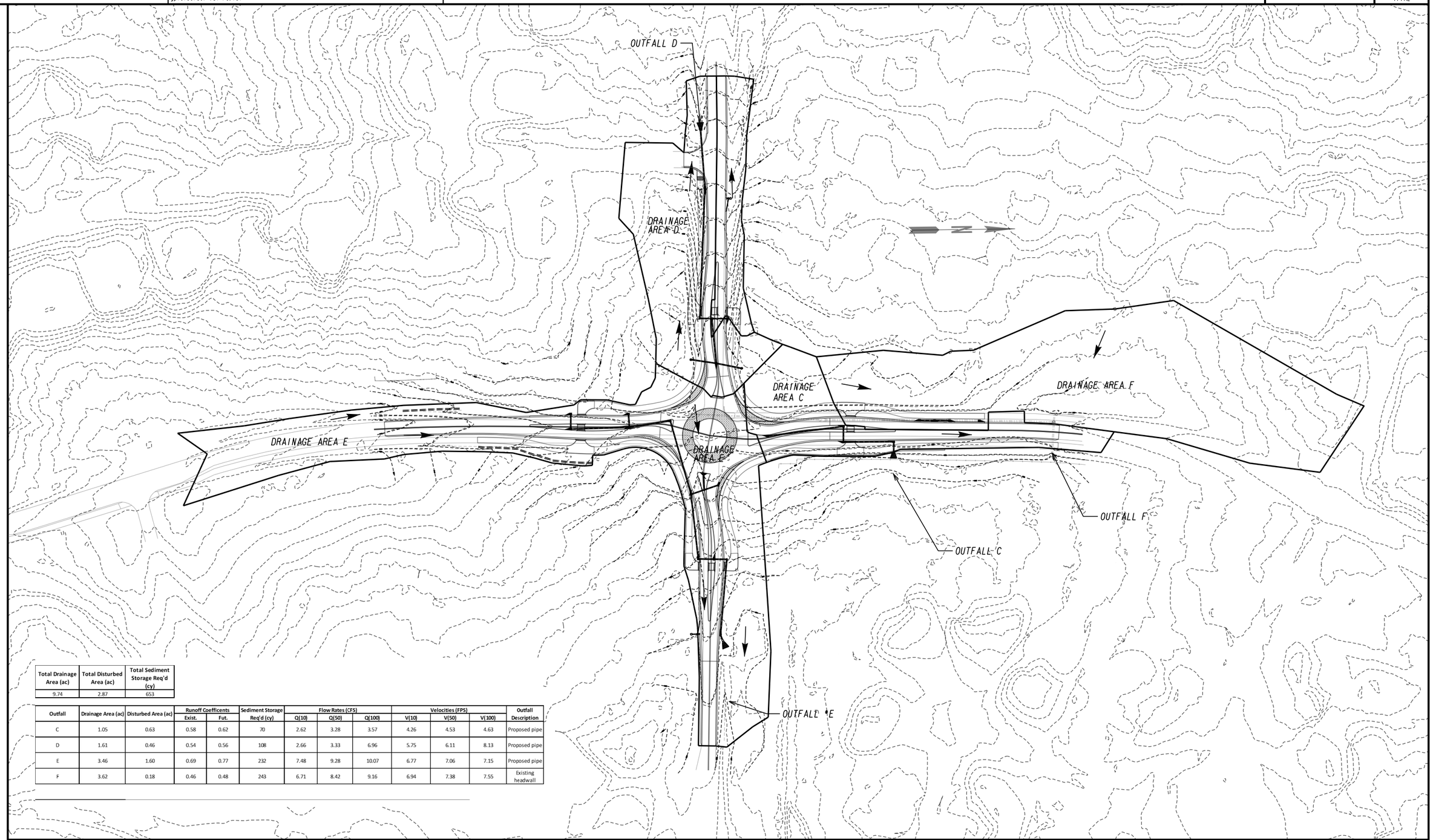
REVISION DATES
3/2/2017

EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 7 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0007
CORRECTED:		DATE:		
VERIFIED:		DATE:		



Total Drainage Area (ac)	Total Disturbed Area (ac)	Total Sediment Storage Req'd (cy)
9.74	2.87	653

Outfall	Drainage Area (ac)	Disturbed Area (ac)	Runoff Coefficents		Sediment Storage	Flow Rates (CFS)			Velocities (FPS)			Outfall
			Exist.	Fut.	Req'd (cy)	Q(10)	Q(50)	Q(100)	V(10)	V(50)	V(100)	Description
C	1.05	0.63	0.58	0.62	70	2.62	3.28	3.57	4.26	4.53	4.63	Proposed pipe
D	1.61	0.46	0.54	0.56	108	2.66	3.33	6.96	5.75	6.11	8.13	Proposed pipe
E	3.46	1.60	0.69	0.77	232	7.48	9.28	10.07	6.77	7.06	7.15	Proposed pipe
F	3.62	0.18	0.46	0.48	243	6.71	8.42	9.16	6.94	7.38	7.55	Existing headwall

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 80 160 320

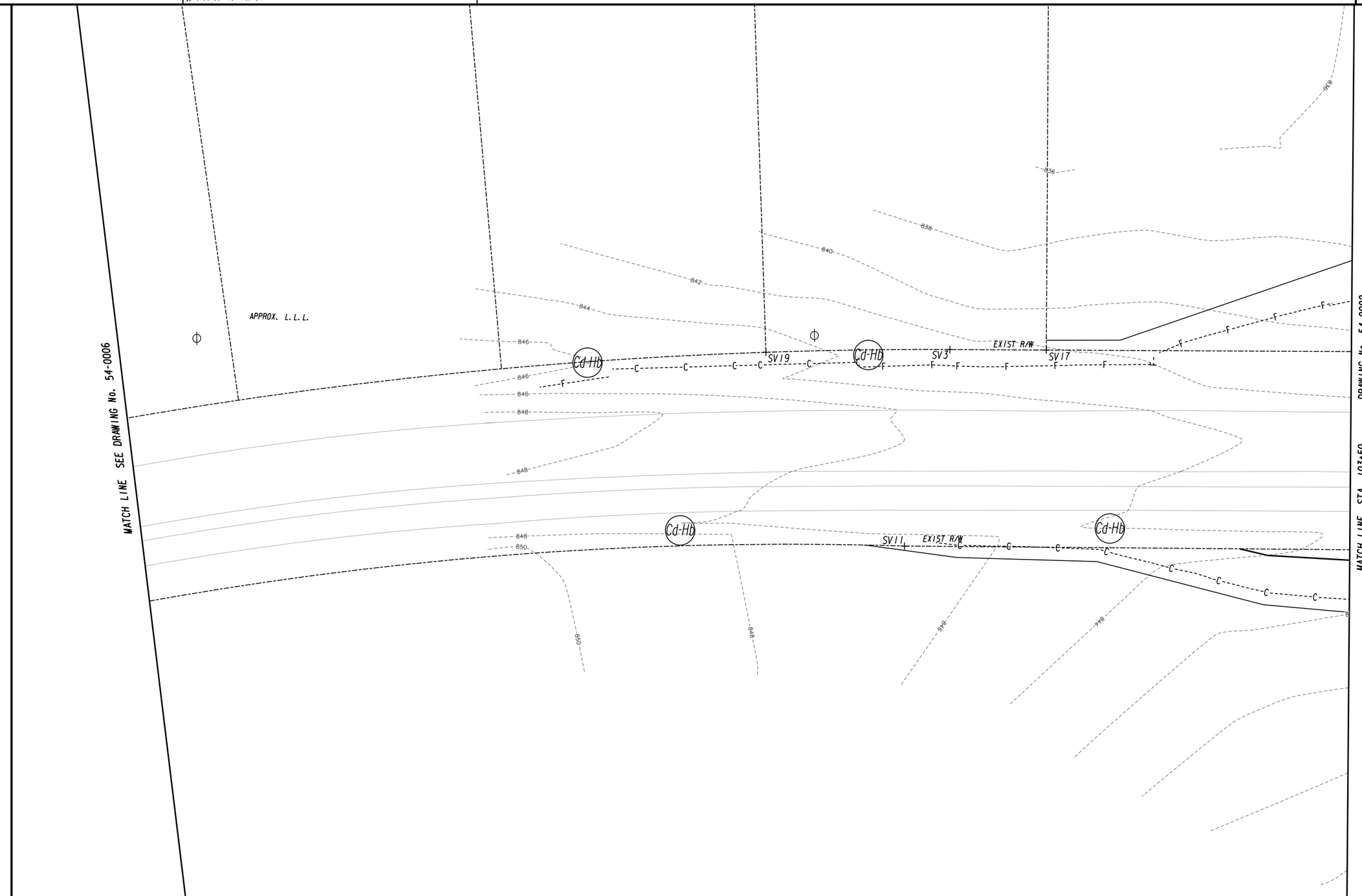
REVISION DATES

EROSION CONTROL DRAINAGE AREA MAP

REDWINE RD, BERNHARD RD & PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		53-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

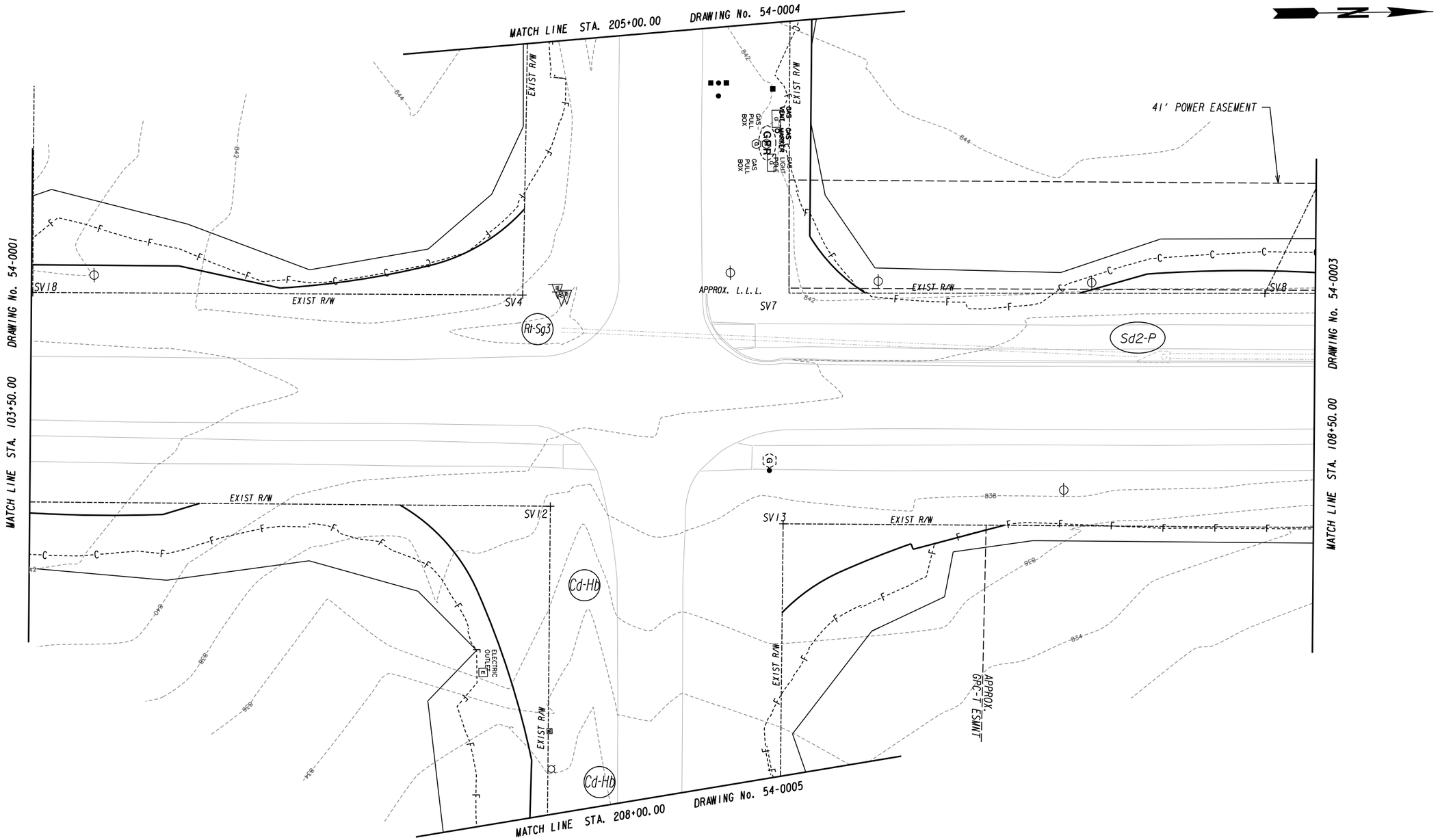
SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD - INITIAL PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0001
VERIFIED:		DATE:		

10/23/2015 GPLN



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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

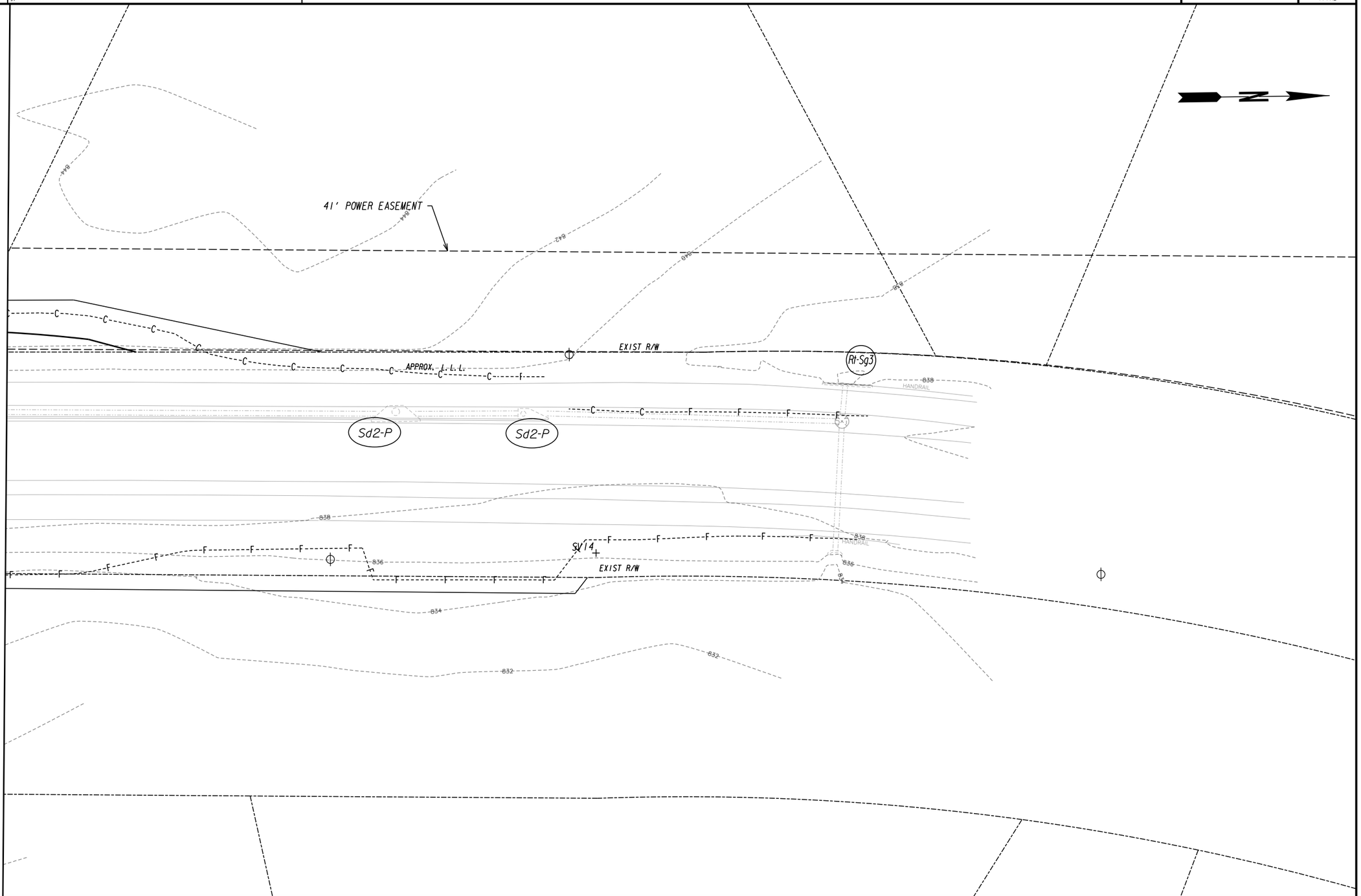
REVISION DATES

BMP LOCATION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD - INITIAL PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

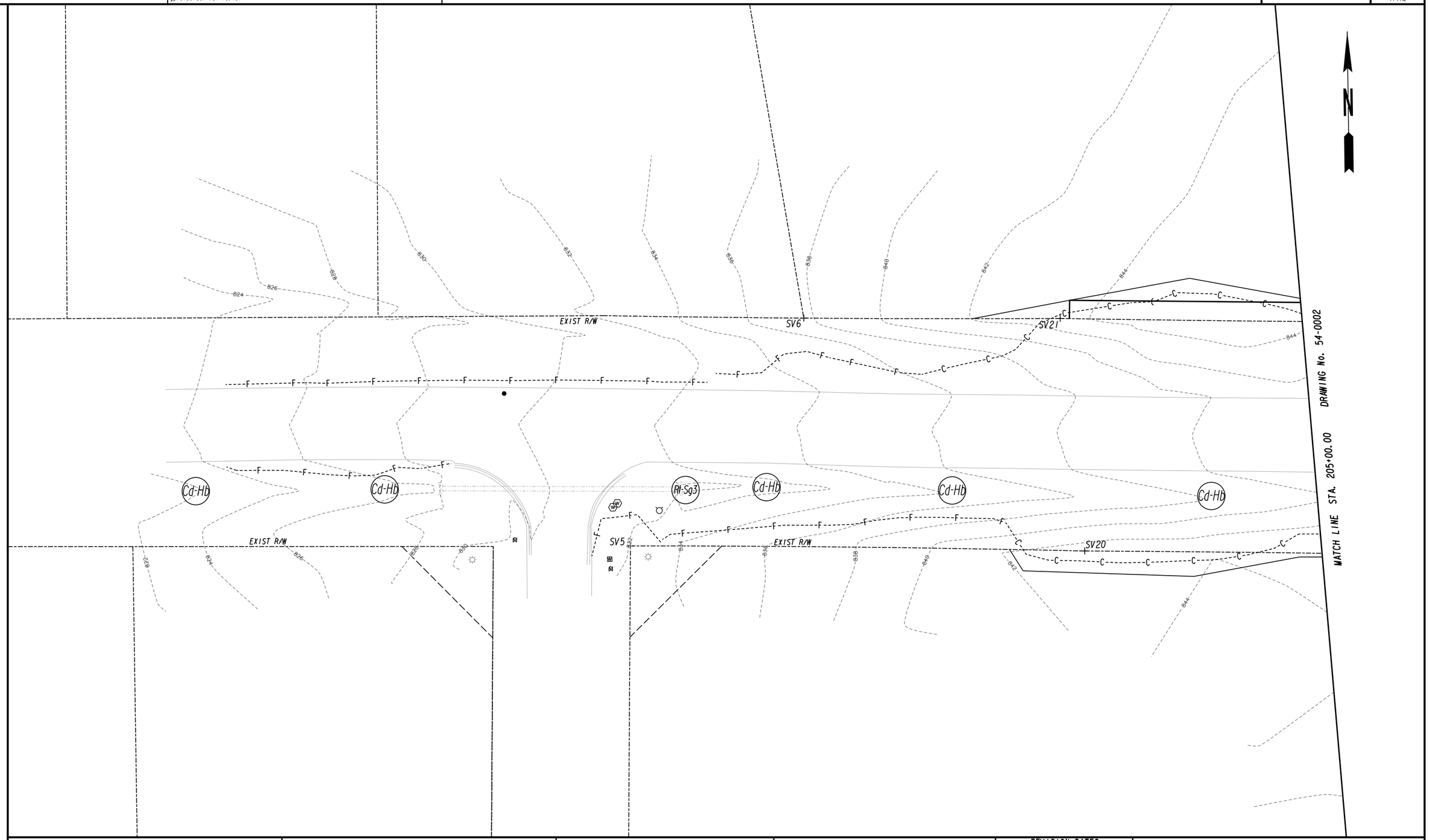
REVISION DATES

BMP LOCATION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD - INITIAL PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0003
VERIFIED:		DATE:		

10/23/2015 GPLN



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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION
PEACHTREE PKWY EXT - INITIAL PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0004
VERIFIED:		DATE:		

10/23/2015 GPLN

APPROX. GPC-T EASEMENT

DETENTION BASIN #2
WITH
20' MAINTENACE ESMT.

EXIST R/W

MATCH LINE STA. 208+00.00

DRAWING No. 54-0002

Cd-Hb

EXIST R/W

N

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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

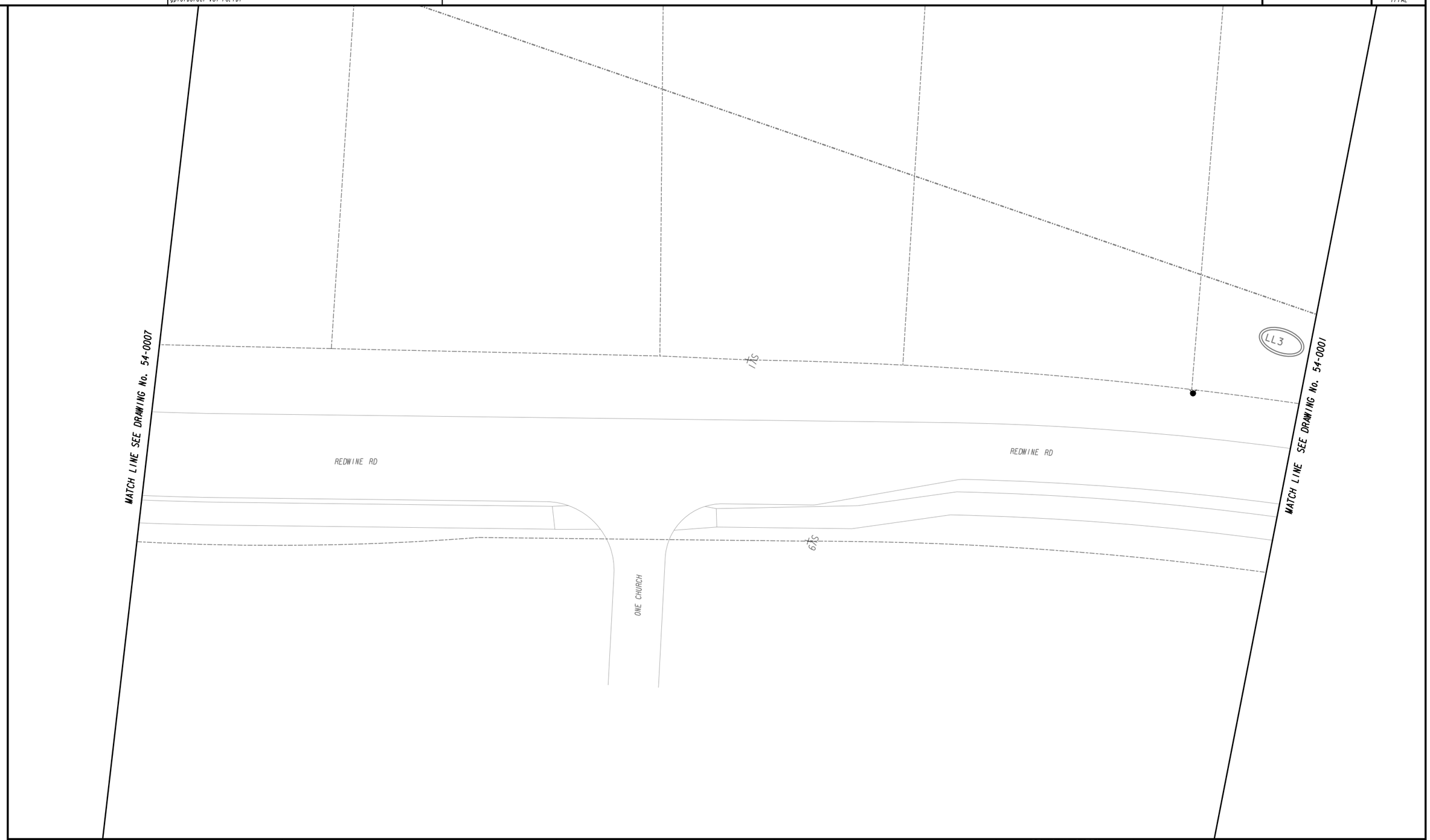
REVISION DATES

BMP LOCATION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION
BERNHARD ROAD - INITIAL PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0005
VERIFIED:		DATE:		

10/23/2015 GPLN



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

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

CROY ENGINEERING Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

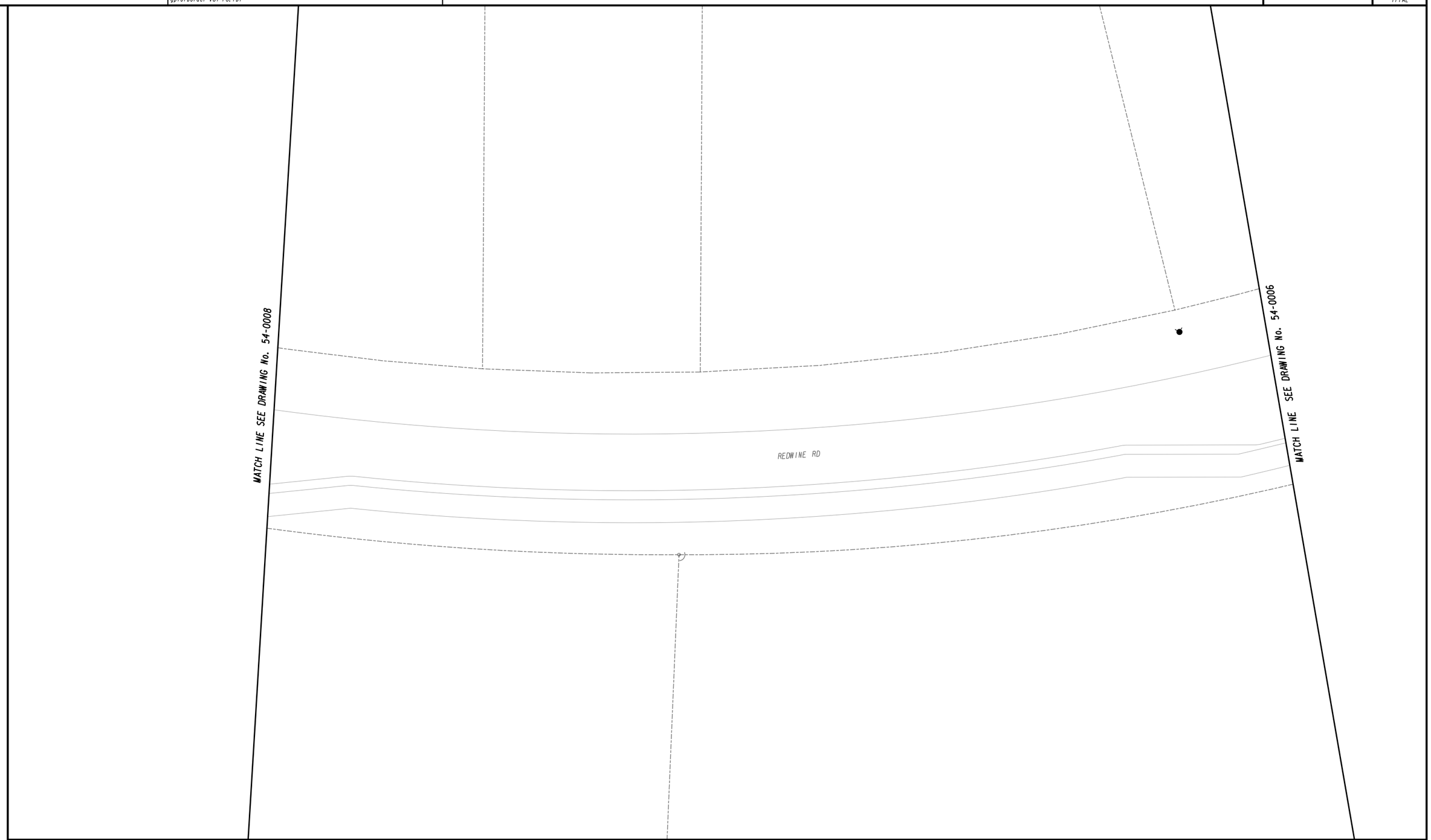
REVISION DATES

BMP LOCATION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD - INITIAL PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0006
VERIFIED:		DATE:		

10/23/2015 GPLN



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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD - INITIAL PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0007
VERIFIED:		DATE:		

10/23/2015 GPLN

9/16/2022 10:07:54 AM	GPLOT-V8	1866010_54-0008.dgn		Project No.
aalban	gplotborder-V81-P0.tbl			17TAL

REDWINE RD

STONEHAVEN DR

MATCH LINE SEE DRAWING No. 54-0006

PROPERTY AND EXISTING R/W LINE	----------P----------
REQUIRED R/W LINE	————————
CONSTRUCTION LIMITS	— —C— — —F— —
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES		

BMP LOCATION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD - INITIAL PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0008
VERIFIED:		DATE:		

10/23/2015 GPLN

N

MATCH LINE SEE DRAWING No. 54-00014

APPROX. L.L.L.

100+00

101+00

102+00

103+00

Ds1 | Ds2
*as needed

Ds1 | Ds2
*as needed

BEGIN CONSTRUCTION
STA. 100+18.60
N: 1224712.3125
E: 2188551.4255

BEGIN PROJECT
STA. 100+00.00
N: 1224693.7250
E: 2188552.1330

P.C. 100+00.00

REDWINE RD

CURVE #1

N 1°13'44.9" E
178.68'

P.T. 102+28.41

EXIST R/W

SV19 SV3C SV17 SV11

Cd-S Cd-SC

Sd1-S Sd2-F

E-5.4 E-5.3

MATCH LINE STA. 103+50 DRAWING No. 54-0010

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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

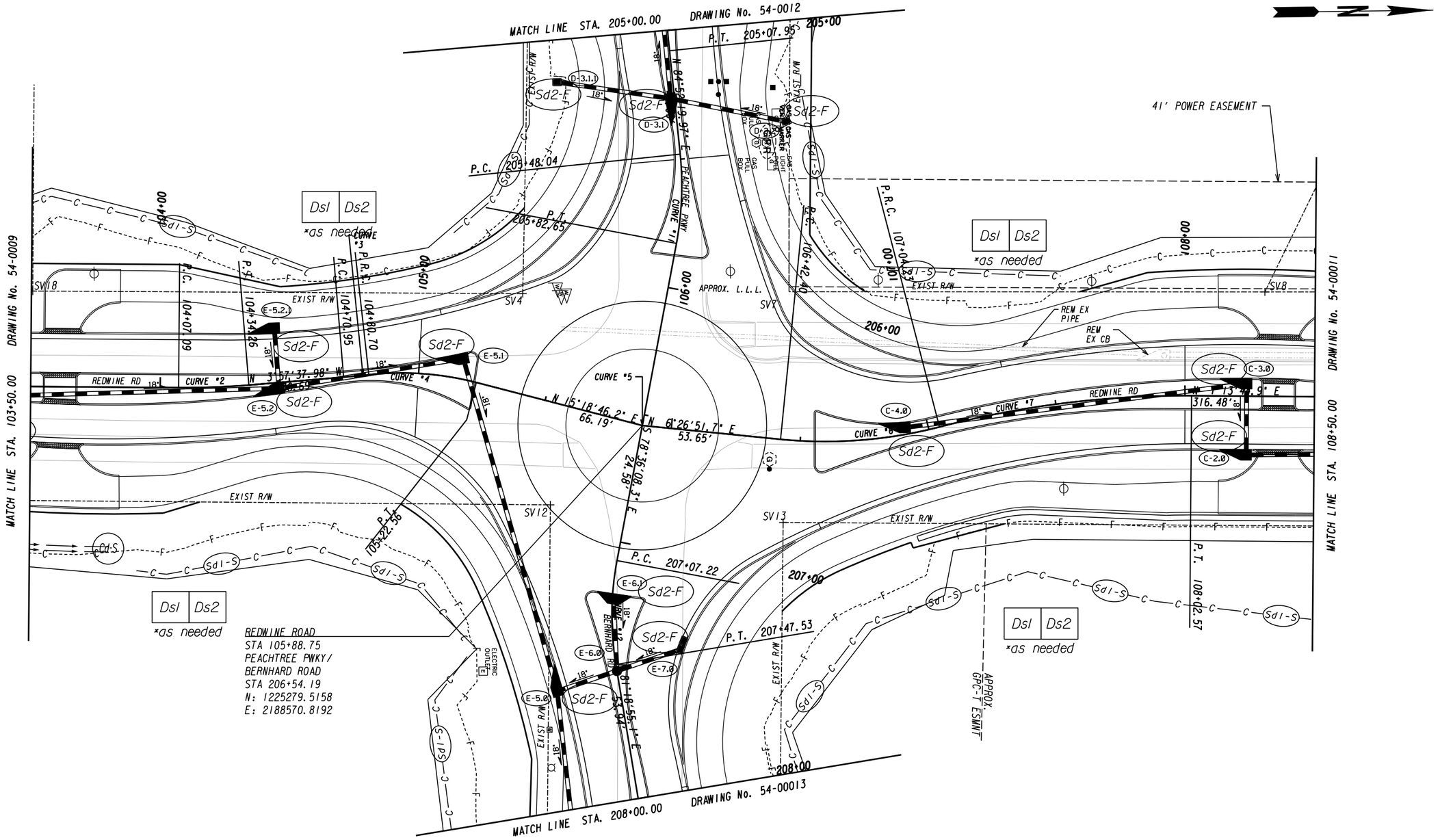
REVISION DATES

BMP LOCATION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD - INTERMEDIATE PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0009
VERIFIED:		DATE:		

10/23/2015 GPLN



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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD - INTERMEDIATE PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0010
VERIFIED:		DATE:		

10/23/2015 GPLN

41' POWER EASEMENT

109+00 110+00 111+00 112+00 112+41

Dsl | Ds2
*as needed

EXIST R/W

APPROX. L.L.L.

Sd1 Sd1-S

F-5.0 F-4.0 F-3.0 F-2.0 F-1.1 F-1.0

18" 18" 18"

HANDRAIL

REM EX PIPE

Sd2-F

N 1°13'44.9" E
316.48'

REDWINE RD

CURVE #8

END CONSTRUCTION/
END PROJECT
STA. 112+00.00
N: 1225888.9070
E: 2188573.2787

P.T. 112+41.29

C-1.0 C-0.0

SV14

P.C. 111+19.05

MATCH LINE STA. 108+50.00

DRAWING No. 54-0010

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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD - INTERMEDIATE PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0011
VERIFIED:		DATE:		

10/23/2015 GPLN

PEACHTREE PKWY
STA 201+71.35
LONGMEAD DR
STA 10+00.00
N: 1225298.0458
E: 2188089.8789

Dsl	Ds2

*as needed

200+00 201+00 202+00 203+00 204+00 205+00

EXIST R/W

POB 200+00.00

TP3 CONC SPILLWAY
GA STD 9013

SV6 SV21

P.C. 204+55.44

PEACHTREE PKWY
CURVE #9
S 89°53'36.1" E
109.54'

10+00

S 88°26'32.5" E
307.91'

CURVE #10

D-4.0 D-3.0 D-2.0 D-1.0 D-0.0 G-0.0

Sd1-S Sd2-F

18"

LIMITS OF CONSTRUCTION
STA. 200+25.00
N: 1225299.4025
E: 2187943.5419

P.C. 201+09.54

P.T. 200+47.53

S01°33'27.5"W
91.11'
LONGMEAD DR

REM EX PIPE
EXIST CR/W

SV5 SV20

10+91

MATCH LINE STA. 205+00.00

DRAWING No. 54-0010

Dsl	Ds2

*as needed

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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION
PEACHTREE PKWY EXT - INTERMEDIATE PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0012
VERIFIED:		DATE:		

10/23/2015 GPLN

APPROX. GPC-T EASEMENT

DETENTION BASIN #2
WITH
20' MAINTENACE ESMT.

N

Dsl | Ds2
*as needed

208+00 209+00 210+00 211+00 212+00 212+40

EXIST R/W

POE 212+40.44

DRAWING No. 54-0010

MATCH LINE STA. 208+00.00

P.T. 208+55.10

MATCH LINE 208+10.47

CURVE #13

BERNHARD RD

S 88°26'32.5" E
385.34'

E-2.0 E-3.0 E-4.0 E-1.0 E-0.0 I-0.0

18" 18" 18" 18"

Sd2-F Sd2-F Sd2-F Sd2-F

Cd-S Cd-S

Sdl-S

TP3 CONC SPILLWAY
GA STD 9013

LIMITS OF CONSTRUCTION
STA. 211+97.72
N: 1225270.2472
E: 2189112.1601

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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

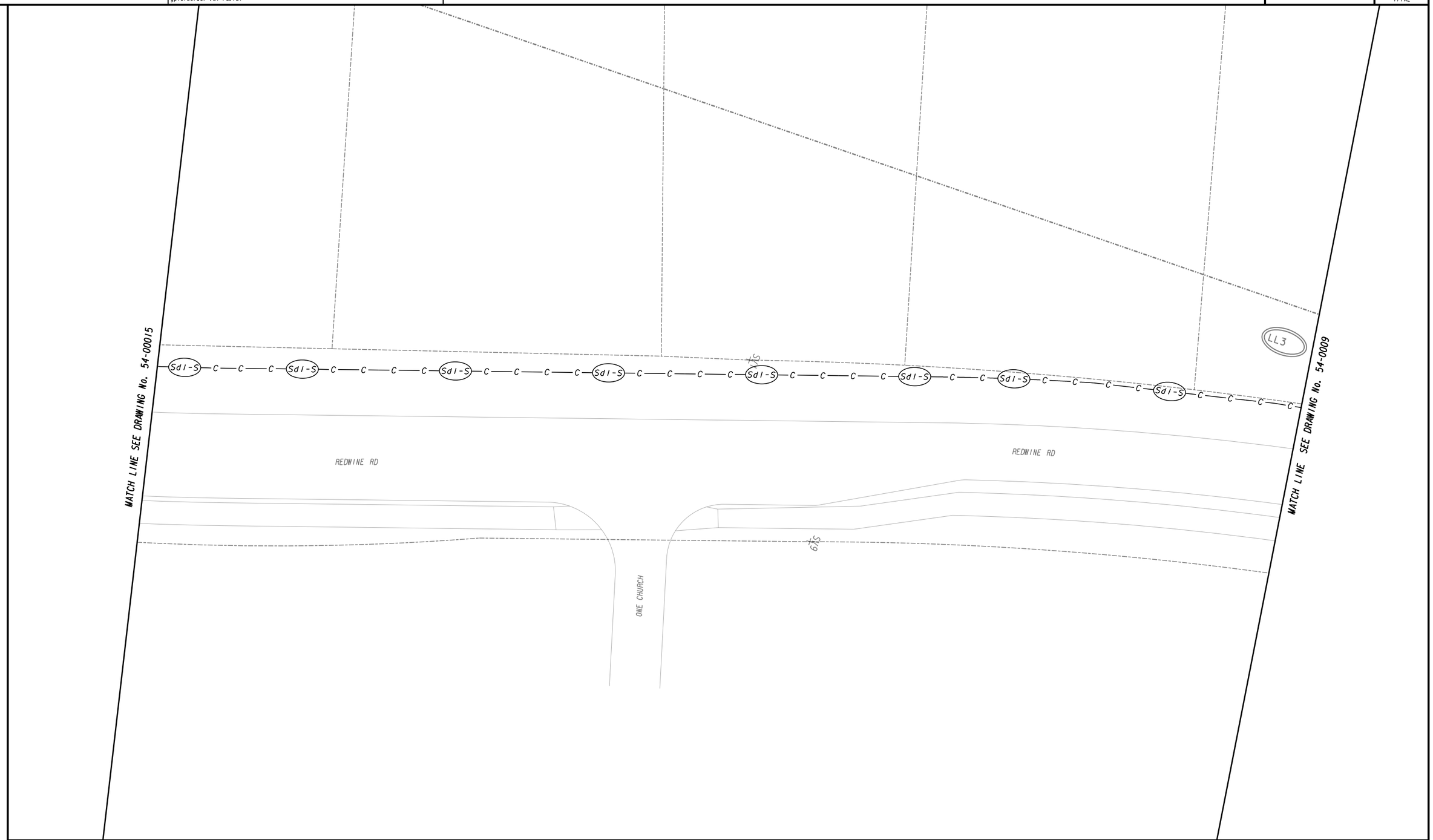
REVISION DATES

BMP LOCATION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION
BERNHARD ROAD - INTERMEDIATE PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0013
VERIFIED:		DATE:		

10/23/2015 GPLN



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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD - INTERMEDIATE PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0014
VERIFIED:		DATE:		

10/23/2015 GPLN

MATCH LINE SEE DRAWING No. 54-0016

MATCH LINE SEE DRAWING No. 54-0014

REDWINE RD

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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD - INTERMEDIATE PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0015
VERIFIED:		DATE:		

10/23/2015 GPLN

REDWINE RD

STONEHAVEN DR

SDI-S

SDI-PS

MATCH LINE SEE DRAWING No. 54-0015

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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD - INTERMEDIATE PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0016
VERIFIED:		DATE:		

10/23/2015 GPLN

N

APPROX. L.L.L.

100+00

101+00

102+00

103+00

EXIST R/W

SV19

SV3

SV17

SV11

Ds3 | Ds1

Ds4

BEGIN CONSTRUCTION
STA. 100+18.60
N: 1224712.3125
E: 2188551.4255

BEGIN PROJECT
STA. 100+00.00
N: 1224693.7250
E: 2188552.1330

REDWINE RD

CURVE #1

N 1°13'44.9" E
178.68'

P.C. 100+00.00

P.T. 102+28.41

E-5.4

E-5.3

18"

MATCH LINE SEE DRAWING No. 54-0022

MATCH LINE STA. 103+50 DRAWING No. 54-0018

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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

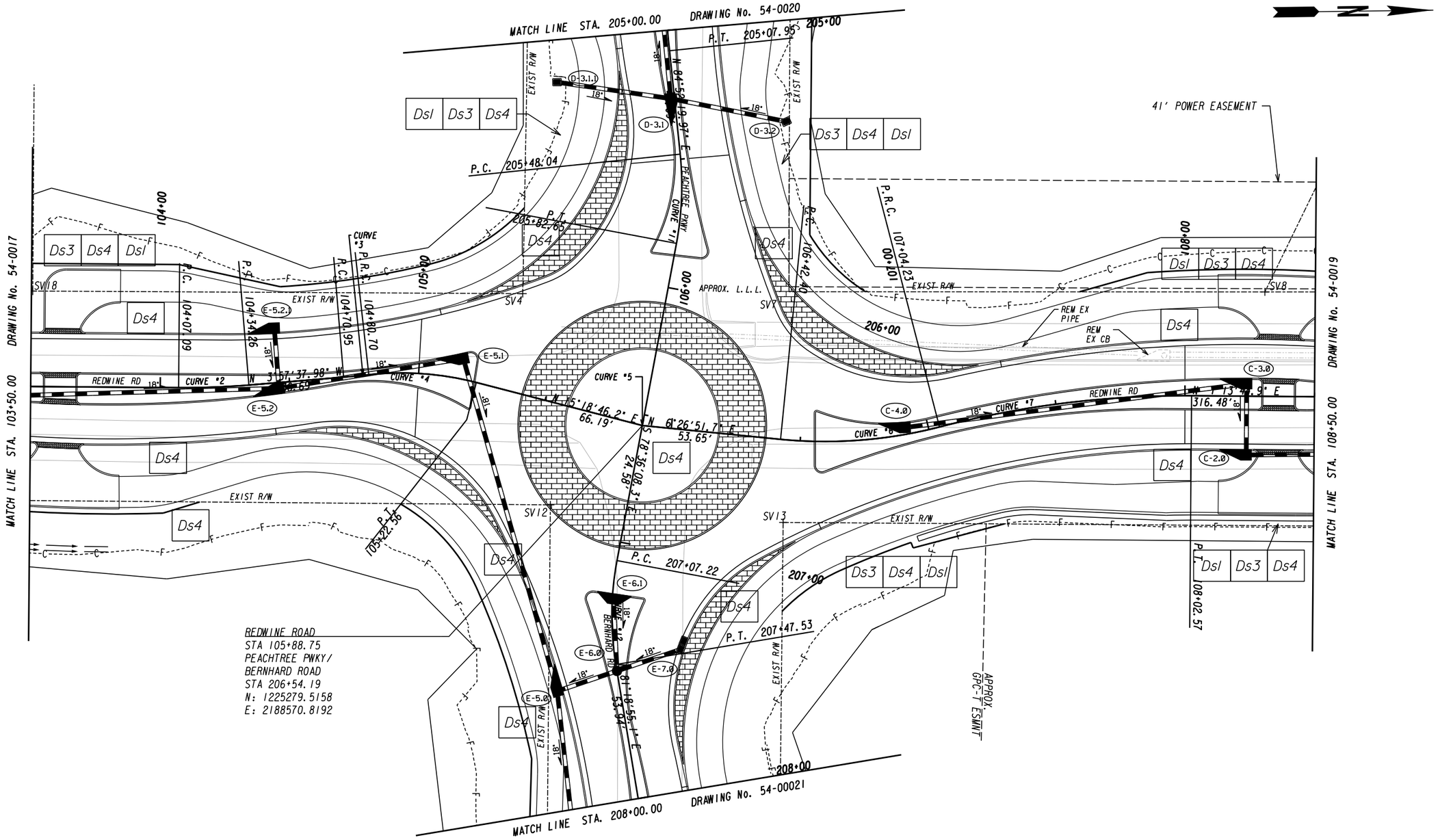
REVISION DATES

BMP LOCATION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD - FINAL PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0017
VERIFIED:		DATE:		

10/23/2015 GPLN



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	ORANGE BARRIER FENCE
EASEMENT FOR CONSTR OF DRIVES	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD - FINAL PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0018
VERIFIED:		DATE:		

10/23/2015 GPLN

41' POWER EASEMENT

109+00 110+00 111+00 112+00 112+41

EXIST R/W

Ds1 Ds3 Ds4

Ds4

APPROX. L.L.L.

F-5.0 F-4.0 F-3.0 F-2.0 F-1.1 F-1.0

18" 18"

HANDRAIL

REM EX PIPE

N 1°13'44.9" E
316.48'

REDWINE RD

CURVE #8

END CONSTRUCTION/
END PROJECT
STA. 112+00.00
N: 1225888.9070
E: 2188573.2787

P.T. 112+41.29

Ds4 18" C-1.0 18"

C-0.0

Ds4

Ds3 Ds4 Ds1

SW14

EXIST R/W

P.C. 111+19.05

MATCH LINE STA. 108+50.00 DRAWING No. 54-0018

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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

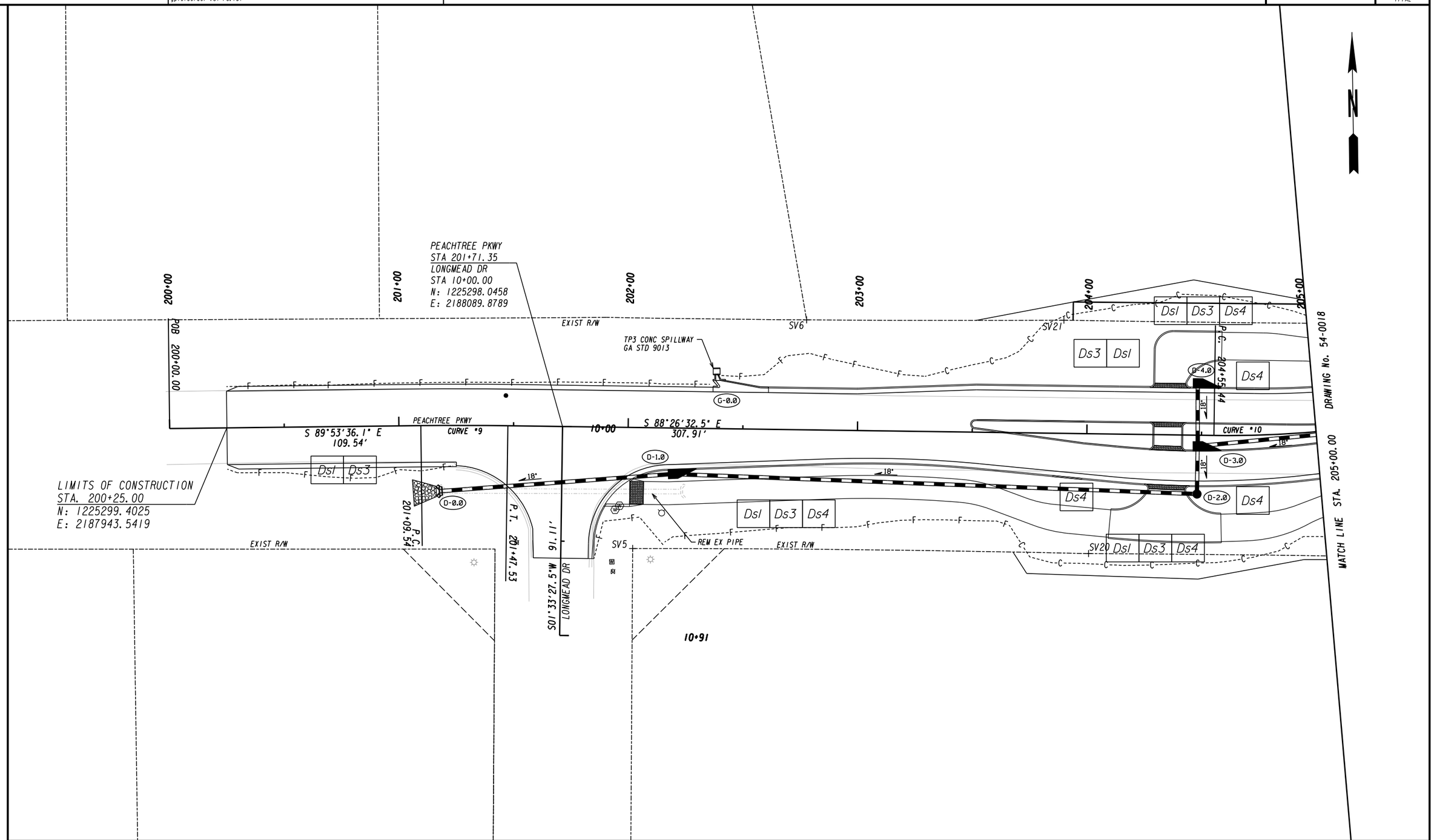
REVISION DATES

BMP LOCATION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD - FINAL PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0019
VERIFIED:		DATE:		

10/23/2015 GPLN



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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
REDWINE RD, PEACHTREE PKWY INTERSECTION
PEACHTREE PKWY EXT - FINAL PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0020
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

APPROX. GPC-T EASEMENT

DETENTION BASIN #2
WITH
20' MAINTENACE ESMT.

N

208+00 209+00 210+00 211+00 212+00 212+40

EXIST R/W

DRAWING No. 54-00018

Ds3 Ds4 Dsl

E-2.0 E-1.0 E-0.0 E-3.0 E-4.0 I-0.0

18"

CURVE #13

BERNHARD RD

S 88°26'32.5" E
385.34'

P.O.E. 212+40.44

P.T. 208+55.10

P.T. 208+01.47

TP3 CONC SPILLWAY
GA STD 9013

LIMITS OF CONSTRUCTION
STA. 211+97.72
N: 1225270.2472
E: 2189112.1601

MATCH LINE STA. 208+00.00

EXIST R/W

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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

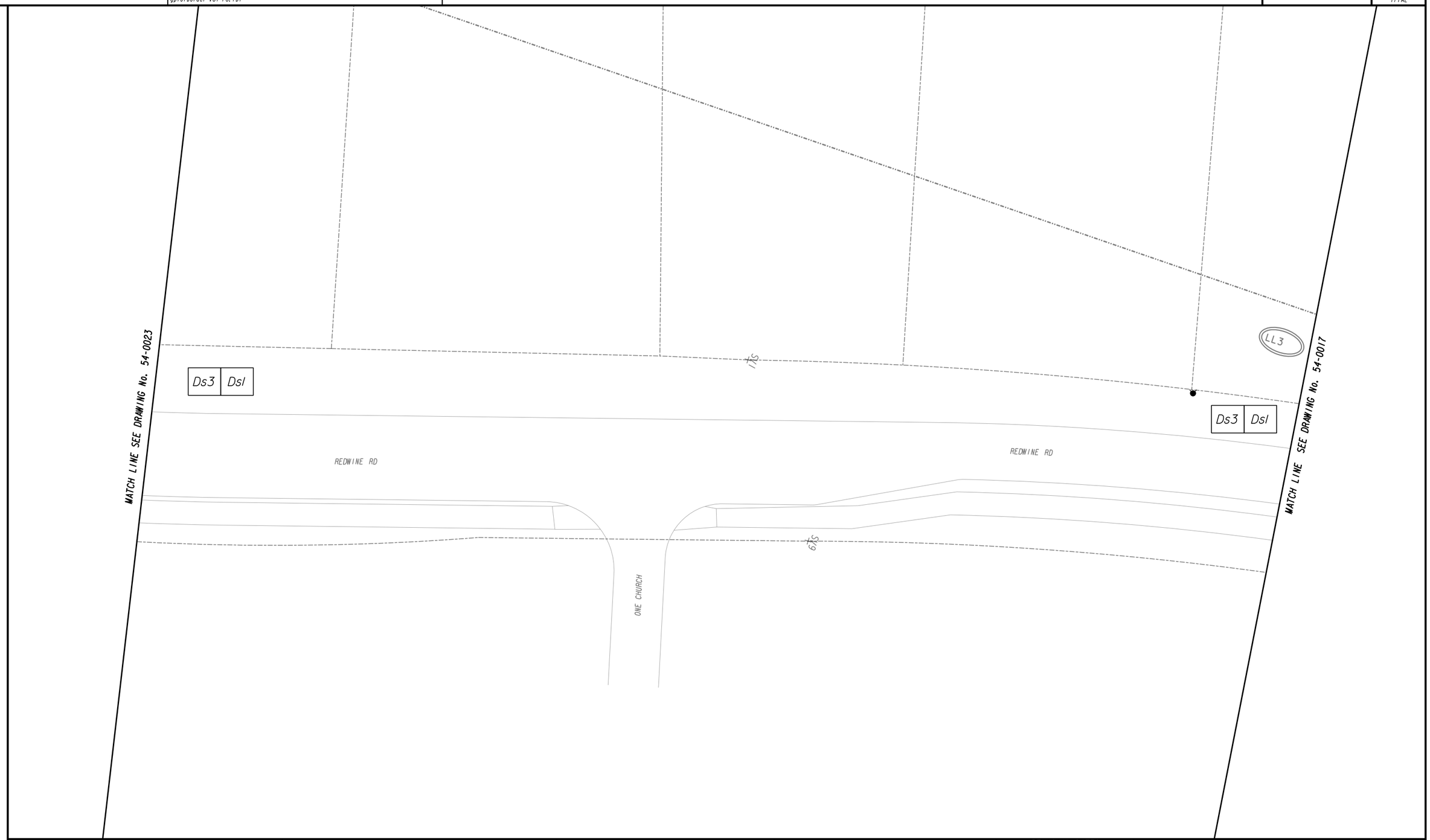
REVISION DATES

BMP LOCATION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION
BERNHARD ROAD - FINAL PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0021
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD - FINAL PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0022
VERIFIED:		DATE:		

10/23/2015 GPLN

MATCH LINE SEE DRAWING No. 54-0024

MATCH LINE SEE DRAWING No. 54-0022

Ds3 | Ds1

Ds3 | Ds1

REDWINE RD

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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD - FINAL PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0023
VERIFIED:		DATE:		

10/23/2015 GPLN

REDWINE RD

STONEHAVEN DR

Ds3 | Ds1

MATCH LINE SEE DRAWING No. 54-0023

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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

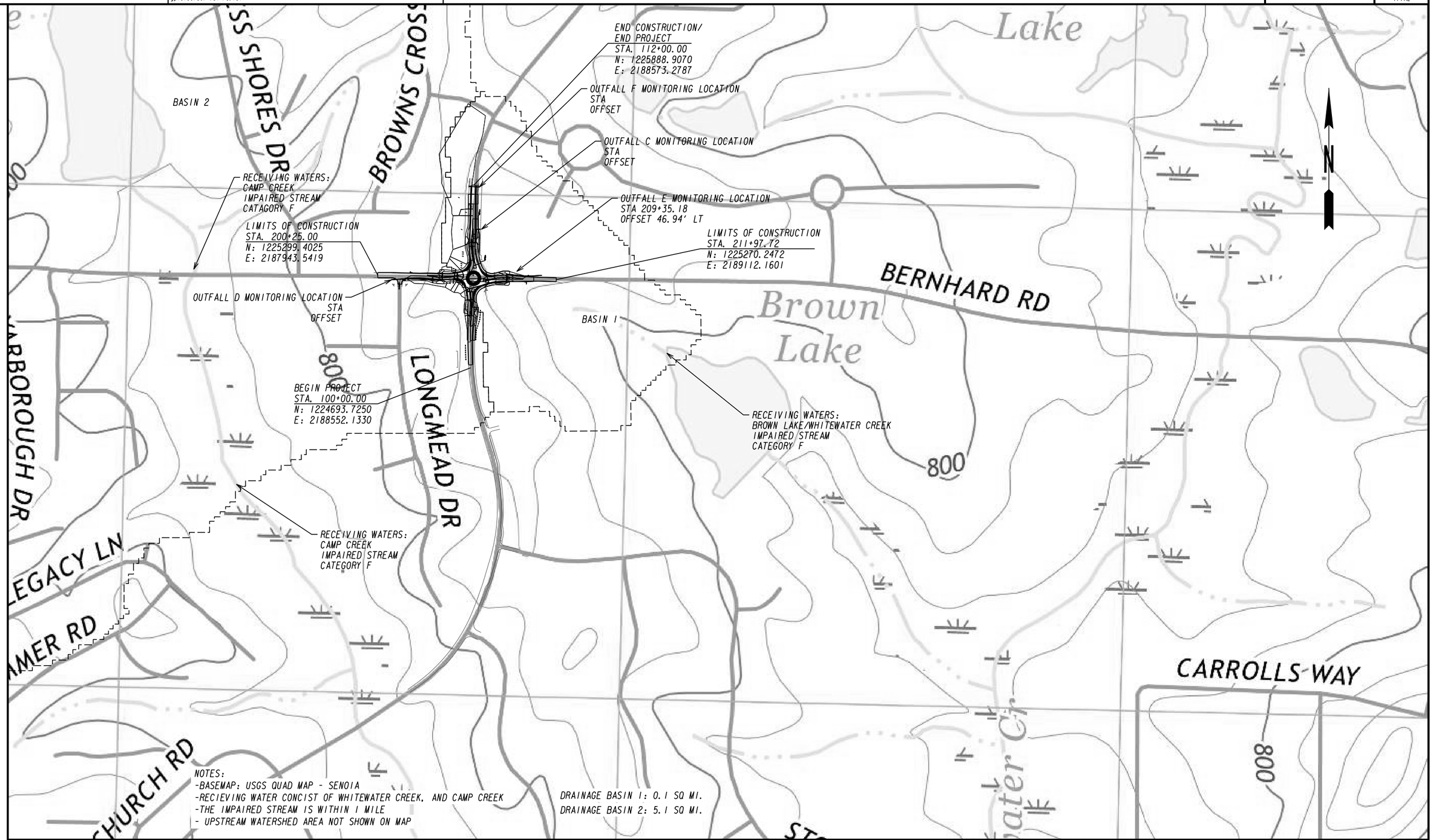
REVISION DATES

BMP LOCATION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD - FINAL PHASE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0024
VERIFIED:		DATE:		

10/23/2015 GPLN



NOTES:
-BASEMAP: USGS QUAD MAP - SENOIA
-RECIEVING WATER CONCIST OF WHITEWATER CREEK, AND CAMP CREEK
-THE IMPAIRED STREAM IS WITHIN 1 MILE
- UPSTREAM WATERSHED AREA NOT SHOWN ON MAP

DRAINAGE BASIN 1: 0.1 SQ MI.
DRAINAGE BASIN 2: 5.1 SQ MI.

CROY
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 300 600 1200

REVISION DATES

WATERSHED MAP SITE MONITORING PLAN
REDWINE RD, PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		55-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

N.T.S.

SPECIFICATIONS

Mulching Without Seeding

This standard applied to grades or cleared areas where seedings may not have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a mulch cover.

Site Preparation

1. Grade to permit the use of equipment for applying and anchoring mulch.
2. Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.
3. Loosen compact soil to a minimum depth of 3 inches.

Mulching Materials

Select one of the following materials and apply at the depth indicated:

1. *Dry straw or hay* shall be applied at a depth of 2 to 4 inches providing complete soil coverage. One advantage of this material is easy application.
2. *Wood waste*(chips, sawdust or bark) shall be applied at a depth of 2 to 3 inches. Organic material from the clearing stage of development should remain on site, be chipped, and applied as mulch. This method of mulching can greatly reduce erosion control costs.
3. *Cutback asphalt*(slow curing) shall be applied at 1200 gallons per acre (27 gallon per sq. yd.).
4. *Polyethylene film*shall be secured over banks or stockpiled soil material for temporary protection. This material can be salvaged and reused.

Applying Mulch

When mulch is used without seeding, mulch shall be applied to provide full coverage of the exposed area.

1. *Dry straw or hay mulch* and *wood chips*shall be applied uniformly by hand or by mechanical equipment.
2. If the area will eventually be covered with perennial vegetation, 20-30 pounds of nitrogen per acre in addition to the normal amount shall be applied to offset the uptake of nitrogen caused by the decomposition of the organic mulches.
3. Cutback asphalt shall be applied uniformly. Care should be taken in areas of pedestrian traffic due to problems of 'tracking in' or damage to shoes, clothing, etc.
4. Apply polyethylene film on exposed areas.

Anchoring Mulch

1. *Straw or hay mulch* can be pressed into the soil with a disk harrow with the disk set straight or with a special 'packer disk'. Disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch but to press it into the soil leaving much of it in an erect position**Straw or hay mulch shall be anchored immediately after application.**
   Straw or hay mulch spread with special blower-type equipment may be anchored with emulsified asphalt (Grade AE-5 or SS-1). The asphalt emulsion shall be sprayed onto the mulch as it is ejected from the machine. Use 100 gallons of emulsified asphalt and 100 gallons of water per ton of mulch. Tackifiers and binders can be substituted for emulsified asphalt. Please refer to specification **Tackifiers and binders**-Plastic mush or netting with mesh no larger than one inch by one inch shall be installed according to manufacturer's specifications.
2. Netting of the appropriate size shall be used to anchor*wood waste*.Openings of the netting shall not be larger than the average size of the wood waste chips.
3. *Polyethylene film*shall be anchor trenched at the top as well as incrementally as necessary.

Ds2 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)

N.T.S.

SPECIFICATIONS

Grading and Shaping

Excessive water run-off shall be reduced by properly designed and installed erosion control practices such as closed drains, ditches, dikes, diversions, sediment barriers and others. No shaping or grading is required if slopes can be stabilized by hand-seeded vegetation or if hydraulic seeding equipment is to be used.

Seedbed Preparation

When a hydraulic seeder is used, seedbed preparation is not required. When using conventional or hand-seeding, seedbed preparation is not required if the soil material is loose and not sealed by rainfall.
When soil has been sealed by rainfall or consists of smooth cut slopes, the soil shall be pitted, trenched or otherwise scarified to provide a place for seed to lodge and germinate.

Lime and Fertilizer

Agricultural lime is required unless soil tests indicate otherwise. Apply agricultural lime at a rate of one ton per acre. Graded areas require lime application. Soils can be tested to determine if fertilizer is needed. On reasonably fertile soils or soil material, fertilizer is not required. For soils with very low fertility, 500 to 700 pounds of 10-10-10 fertilizer or the equivalent per acre (12-16 lbs./1,000 sq. ft.) shall be applied. Fertilizer should be applied before land preparation and incorporated with a disk, ripper or chisel.

Seeding

Select a grass or grass-legume mixture suitable to the area and season of the year. Seed shall be applied uniformly by hand, cyclone seeder, drill, cultipacker-seeder, or hydraulic seeder (slurry including seed and fertilizer). Drill or cultipacker seeders should normally place seed one-quarter to one-half inch deep. Appropriate depth of planting is ten times the seed diameter. Soil should be "raked" lightly to cover seed with soil if seeded by hand.

Mulching

Temporary vegetation can, in most cases, be established without the use of mulch. Mulch without seeding should be considered for short term protection. Refer **Ds1 - Disturbed Area Stabilization (With Mulching Only).**

Irrigation

During times of drought, water shall be applied at a rate not causing runoff and erosion. The soil shall be thoroughly wetted to a depth that will insure germination of the seed. Subsequent applications should be made when needed.

PLANT, PLANTING RATES, AND PLANTING DATES FOR TEMPORARY COVER OR COMPANION CROPS

SPECIES	BROADCAST RATES PER ACRE	BROADCAST RATES PER 1000 SQ. FT.	PLANTING DATES FOR SOUTHERN PIEDMONT REGION J F M A M J J A S O N D	REMARKS
BARLEY (Horduem vulgare) alone	144 lbs.	3.3 lbs.		14,000 seed per pound. Winterhardy. Use on productive soils.
In mixture	24 lbs.	0.6 lb.		
LESPEDEZA,ANNUAL (Lespedeza strlata) alone	40 lbs.	0,9 lb.		200,000 seed per pound. May volunteer for several years. Use inoculant EL.
in mixture	10 lbs.	0,2 lb.		
LOVEGRASS, WEEPING (Horduem vulgare) alone	4 lbs.	0,1 lb.		1,500,000 seed per pound. May last for several years. Mix with Serlcea lespedeza.
In mixture	2 lbs.	0,05 lb.		
MILLET, BROWNTOP (Panicum fascicalatum) alone	40 lbs.	0,9 lb.		137,000 seed per pound. Quick dense cover. Will provide too much competition in mixtures if seeded at high rates.
In mixture	10 lbs.	0,2 lb.		
MILLET, PEARL (Pennesetum glaucum) alone	50 lbs.	1,1 lb.		88,000 seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures.
OATS (Avena sativa) alone	128 lbs.	2,9 lbs.		13,000 seed per pound. Use on productive soils. Not as winterhardy as rye or barley.
In mixture	32 lbs.	0,7 lb.		
RYE (Secale cereale) alone	168 lbs.	3,9 lbs.		18,000 seed per pound. Quick cover. Drought tolerant and winterhardy.
in mixture	28 lbs.	0,6 lb.		
RYEGRASS, ANNUAL (Lollum temulentum) alone	40 lbs.	0,9 lb.		227,000 seed per pound. Dense cover. Very competitive and is not to be used in mixtures.
SUDANGRASS (Sorghum Sudanese) alone	60 lbs.	1,4 lb.		55,000 seed per pound. Good on droughty sites. Not recommended for mixtures.
WHEAT (Trlticum Aestivum) alone	180 lbs.	4,1 lbs.		15,000 seed per pound.
in mixture	30 lbs.	0,7 lb.		

Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

N.T.S.

Seedbed Preparation

Seedbed preparation may not be required where hydraulic seeding and fertilizing equipment is to be used. When conventional seeding is to be used, seedbed preparation will be done as follows:

Broadcast Plantings

1. Tillage at a minimum, shall adequately loosen the soil to a depth of 4 to 6 inches alleviate compaction; incorporate lime and fertilizer; smooth and firm the soil; allow for the proper placement of seed, sprigs, or plants; and allow for the anchoring of straw or hay mulch if a disk is to be used.
2. Tillage may be done with any suitable equipment.
3. Tillage should be done on the contour where feasible.
4. On slopes too steep for the safe operation of tillage equipment, the soil surface shall be pitted or trenched across the slope with appropriate hand tools to provide two places 6 to 8 inches apart in which seed may lodge and germinate. Hydraulic seeding may also be used.

Individual Plants

1. Where individual plants are to be set, the soil shall be prepared by excavation holes, opening furrows, or dibble planting.
2. For nursery stock plants, holes shall be large enough to accommodate roots without crowding.
3. Where pine seedlings are to be planted, subsoil under the row 36 inches deep on the contour four to six months prior to planting. Subsoiling should be done when the soil is dry, preferably in August or September.

Planting

Hydraulic Seeding

Mix the seed (Innoculated if needed), fertilizer, and wood cellulose or wood pulp fiber mulch with water and apply in a slurry uniformly over the area to be treated. Apply within one hour after the mixture is made.

Conventional Seeding

Seeding will be done on a freshly prepared and firmed seedbed. For broadcast planting, use a cultipacker-seeder, drill, rotary seeder, other mechanical seeder, or hand seeding to distribute the seed uniformly over the area to be treated. Cover the seed lightly with ½ to¾ inch of soil for small seed and½ to 1 inch for large seed when using a cultipacker or other suitable equipment.

No-Till Seeding

No-till seeding is permissible into annual cover crops when planting is done following maturity of the cover crop or if the temporary cover stand is sparse enough to allow adequate growth of the permanent species. No-till seeding shall be done with appropriate no-till seeding equipment. The seed must be uniformly distributed and planted at the proper depth.

Individual Plants

- Shrubs, vines and sprigs may be planted with appropriate planters or hand tools. Pine trees shall be planted manually in the subsoil furrow. Each plant shall be set in a manner that will avoid crowding the roots.
- Nursery stock plants shall be planted at the same depth or slightly deeper than they grew at the nursery. The tips of vines and sprigs must be at or slightly above the ground surface.
- Where individual holes are dug, fertilizer shall be placed in the bottom of the hole, two inches of soil shall be added and the plant shall be set in the hole.

PLANT, PLANTING RATES, AND PLANTING DATES FOR PERMANENT COVER

SPECIES	BROADCAST RATES PER ACRE	BROADCAST RATES PER 1000 SQ. FT.	PLANTING DATES FOR SOUTHERN PIEDMONT REGION J F M A M J J A S O N D	REMARKS
BAHIA, PENSACOLA (Paspalum notatum) alone or w/ temp. cover	60 lbs.	1,4 lb.		166,000 seed per pound. Low growing, Sod forming. Slow to establish. Plant with a companion crop. Will spread into bermuda pastures and lawns. Mix with Serlcea lespedeza or weeping lovegrass.
with other perennials	30 lbs.	0,7 lb.		
BAHIA, WILMINGTON (Paspalum notatum) alone or w/ temp. cover	60 lbs.	1,4 lb.		
with other perennials	30 lbs.	0,7 lb.		
BERMUDA, COMMON (Cynodon dactylon) alone	10 lbs.	0,2 lb.		1,787,000 seed per pound. Quick cover, Low growing and sod forming. Full sun. Good for athletic fields.
with other perennials	6 lbs.	0,1 lb.		
BERMUDA, COMMON (Cynodon dactylon) with temporary cover	10 lbs.	0,2 lb.		Plant with winter annuals.
with other perennials	6 lbs.	0,1 lb.		Plant with tall fescue.
BERMUDA SPRIGS (Cynodon dactylon) Coastal, Common, or Tift 44	40 cu. ft.	0,9 cu. ft.		A cubic foot contains approximately 650 sprigs. A bushel contains 1.25 cubic feet or approximately 800 sprigs.
CENTIPEDE (Eremochloa ophluroides)	Block sod only			Drought tolerant. Full sun or partial shade. Effective adjacent to concrete and in concentrated flow areas. Irrigation is needed until fully established. Do not plant near pastures. Winterhardy as far north as Athens and Atlanta.
CROWNVETECH (Coronilla varia) with winter annuals or cool season grasses	15 lbs.	0,3 lb.		150,000 seed per pound. Dense growth. Drought tolerant and fire resistant. Attractive rose, pink, and white blossoms spring to late fall. Mix with 30 pounds of Tall fescue or 15 pounds of rye. Inoculate seed with M Inoculant.
FESCUE, TALL (Festuca arundinacea) alone	50 lbs.	1,1 lb.		227,000 seed per pound. Use alone only on better sites. Not for droughty soils. Mix with perennial lespedeza or crownvetch. Apply topdressing in spring following fall plantings. Not for heavy use areas or athletic fields.
with other perennials	30 lbs.	0,7 lb.		
KUDZU (Pueraria thumbergiana) plants or crowns	3'-7' apart			Rapid and vigorous growth. Excellent in gully erosion control. Will climb. Good livestock forage.
LESPEDEZA, SERICA (Lespedeza cuneata) scarified	60 lbs.	1,4 lbs.		350,000 seed per pound. Widely adapted. Low maintenance. Mix with weeping lovegrass, common bermuda, bahia, or tall fescue. Takes 2 to 3 years to become fully established. Excellent on roadbanks. Inoculate seed with EL Inoculant.
unscarified	75 lbs.	1,7 lbs.		
seed-bearing hay	3 tons	138 lbs.		
LESPEDEZA (Lespedeza virgata DC) or (Lespedeza cuneata G. Don) scarified	60 lbs.	1,4 lbs.		300,000 seed per pound. Height of growth is 18 to 24 inches. Advantageous in urban areas. Spreadingtype growth has bronze coloration. Mix with Weeping lovegrass, Common bermuda, tahia, tall fescue or winter annuals. Do not mix with Serlcea lespedeza. Slow to develop solid stands. Inoculate seed with EL Inoculate.
unscarified	75 lbs.	1,7 lbs.		
LESPEDEZA, SHRUB (Lespedeza bicolor) (Lespedeza thumbergii) plants	3' x 3'			Provide wildlife food and cover.
LOVEGRASS, WEEPING (Eragrostis curvula) alone	4 lbs.	0,1 lb.		1,500,000 seed per pound. Quick cover. Drought tolerant. Grows well with Serlcea lespedeza on roadbanks.
with other perennials	2 lbs.	0,05 lb.		
MAIDENCANE (Panicum hemitomon) sprigs	2' x 3' spacing			For very wet sites. May clog channels. Dig sprigs from local sources. Use along river banks and shorelines.
PANICGRASS, ATLANTIC COASTAL (Panicum amarum var. amarulum)	20 lbs.	0,5 lb.		Grows well on coastal sand dunes, borrow areas, and gravel pits. Provides winter cover for wildlife. Mix with Serlcea lespedeza except on sand dunes.
REED CANARY GRASS (Phalaris arundinacea) alone	50 lbs.	1,1 lbs.		Grows similar to tall fescue.
with other perennials	30 lbs.	0,7 lb.		
SUNFLOWER, 'AZTEC' MAXIMILLIAM (Hellanthus maximillani)	10 lbs.	0,2 lb.		227,000 seed per pound. Mix with weeping lovegrass or other low-growing grasses or legumes.

Mulching

*Mulch is required for all permanent vegetation applications*Mulch applied to seeded areas shall achieve 75% soil cover.

Applying Mulch

- *Straw or hay mulch*will be spread uniformly within 24 hours after seeding and/or planting. The mulch may be spread by blower-type spreading equipment, other spreading equipment or by hand. Mulch shall be applied to cover 75% of the soil surface.
- *Wood cellulose or wood fiber mulch*shall be applied uniformly with hydraulic seeding equipment.

Lime Maintenance Application

Apply one ton of agricultural lime every 4 to 6 years or as indicated by soil tests. Soil tests can be conducted to determine more accurate requirements if desired.

FERTILIZER REQUIREMENTS

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	NITROGEN TOP DRESSING RATE
1. Cool season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac.
	Second	6-12-12	1000 lbs./ac.	—–
	Maintenance	10-10-10	400 lbs./ac.	30 lbs./ac.
2. Cool season grasses and legumes	First	6-12-12	1500 lbs./ac.	0-50 lbs./ac.
	Second	0-10-10	1000 lbs./ac.	—
	Maintenance	0-10-10	400 lbs./ac.	—
3. Ground covers	First	10-10-10	1300 lbs./ac.	—–
	Second	10-10-10	1300 lbs./ac.	—
	Maintenance	10-10-10	1100 lbs./ac.	—
4. Pine seedlings	First	20-10-5	one 21-gram pellet per seedling placed in the closing hole	—
5. Shrub Lespedeza	First	0-10-10	700 lbs./ac.	—
	Maintenance	0-10-10	700 lbs./ac.	
6. Temporary cover crops seeded alone	First	10-10-10	500 lbs./ac.	30 lbs./ac.
7. Warm season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac.
	Second	6-12-12	800 lbs./ac.	50-100 lbs./ac.
	Maintenance	10-10-10	400 lbs./ac.	30 lbs./ac.
8. Warm season grasses and legumes	First	6-12-12	1500 lbs./ac.	50 lbs./ac.
	Second	0-10-10	1000 lbs./ac.	
	Maintenance	0-10-10	400 lbs./ac.	

DURABLE SHRUBS AND GROUND COVERS FOR PERMANENT COVER

Common Name	Scientific Name	Mature Height	Plant Spacing	Comments
Abelia	Abelia grandiflora	3-4 ft.	5 ft.	Also a prostrate form 2 feet high. Sun, semi-shade. Semi-evergreen.
Carolina Yellow Jessamine	Gelsemium sempervirens	low	3 ft.	Vine. Yellow, trumpet-like flowers. Hardy, one of best vines. Evergreen. Native to Georgia.
Carpet Blue	Ajuga reptans	2-4 in.	3 ft.	Needs good drainage, partial shade. Blue or white flowers. Evergreen.
Bearberry Cotoneaster	Cotoneaster dammeri	2-4 in.	5 ft.	White flowers, red fruit. Sun, Evergreen.
Ground Cover Cotoneaster	Cotoneaster salicifoluis 'Repens'	1-2 ft.	5 ft.	White flowers, red fruit. Sun. Evergreen.
Rock Cotoneaster	Cotoneaster horizontalis	1-2 ft.	5 ft.	Semi-evergreen. Sun.
Virginia Creeper	Parthenocissue quinquefolia	low	3 ft.	Red in fall. Vine. Deciduous. Native to Georgia.
Daylily	Hemerocallis spp.	2-3 ft.	2 ft.	Many flower colors. Full sun. Very Hardy.
English Ivy	Hedera helix	low	3 ft.	Shade only. Climbs.
Compacta Holly	Ilex crenata 'Compacta'	3-4 ft.	5 ft.	Sun, semi-shade.
Chinese Holly	Ilex cornuta 'Rotunda'	3-4 ft.	5 ft.	Very durable. Sun, semi-shade.
Dwarf Burford Holly	Ilex burfordII 'Nana'	5-8 ft.	8 ft.	
Dwarf Yaupon Holly	Ilex vomitoria 'Nana'	3-4 ft.	5 ft.	Very durable. sun, semi-shade.
Repandens Holly	Ilex crenata 'Repandens'	2-3 ft.	5 ft.	Sun, semi-shade.
Andorra Juniper	Juniperus horizontalis 'Plumosa'	2-3 ft.	5 ft.	Excellent for slopes. Sun.
Andorra Compacta Juniper	Juniperus horizontalis 'Plumosa compacta'	1-2 ft.	5 ft.	More compact than andora.
Blue Chip Juniper	Juniperus horizontalis 'Blue Chip'	8-10 in.	4 ft.	
Blue Rug Juniper	Juniperus horizontalis 'Wiltonii'	4-6 in.	3 ft.	Very low. Sun.
Parsons Juniper	Juniperus davurica 'Expansa' (Squamata Parsonl)	18-24 in.	5 ft.	One of the best, good winter cover.
Pfitzer Juniper	Juniperus chinensis 'Pfitzerana'	6-8 ft.	6 ft.	Needs room.
Prince of Wales Juniper	Juniperus horizontalis 'Prince of Wales'	8-10 in.	4 ft.	Feathery appearance.
Sargent Juniper	Juniperus chinensis 'Sargentii'	1-2 ft.	5 ft.	Full sun. Needs good drainage. Good winter color.
Shore Juniper	Juniperus conferta	2-3 ft.	5 ft.	Emerald Sea or Blue Pacific cultivars are good.
Liriope	Liriope muscari	8-10 in.	3 ft.	
Creeping Liriope	Liriope spicata	10-12 in.	1 ft.	Spreads by runners.
Big Leaf Periwinkle	Vinca major	12-15 in.	4 ft.	Lilac flowers in spring. Semi-shade.
Common Periwinkle	Vinca minor	5-6 in.	4 ft.	Lavender-blue flowers in spring. Semi-shade.
Cherokee Rose	Rosa laevigata	2 ft.	5 ft.	Rampant grower. Not for restricted spaces.
Memorla Rose	Rosa weuchurlana	2 ft.	5 ft.	Rampant grower.
St. Johnswort	Hypericum calycenum	8-12 in.	3 ft.	Semi-shade.
Anthony Waterer Spirea	Spirea bumalda	3-4 ft.	5 ft.	Sun.
Thunberg Spirea	Spirea thinbergii	3-4 ft.		

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

EROSION CONTROL CONSTRUCTION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	56-0001
VERIFIED:		DATE:	

10/23/2015 GPLN

Sd1-S SEDIMENT BARRIER TYPE C SILT FENCE

N.T.S.

Type C fence is 36-inches wide with wire reinforcement. The wire reinforcement is necessary because this fabric allows almost three times the flow rate as Type A silt fence. Type C silt fence shall be used where runoff flows or velocities are particularly high or where slopes exceed a vertical of 10 feet.

Provide a riprap splash pad or other outlet protection device for any point where flow may top the sediment fence. Ensure that the maximum height of the fence at a protected, reinforced outlet does not exceed 1 ft. and that support post spacing does not exceed 4 ft.

CONSTRUCTION SPECIFICATIONS

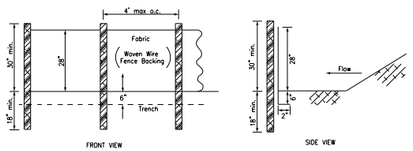
- The manufacturer shall have either an approved color mark yarn in the fabric or label the fabricated silt fence with both the manufacturer and fabric name every 100 feet.
- The temporary silt fence shall be installed according to this specification, as shown on the plans or as directed by the engineer. For installation of the fabric, see the figures below.
- Post installation shall start at the center of the low-point (if applicable) with remaining posts spaced 4 feet apart. Only steel posts shall be used with Type C silt fence. For post size requirements, see Table 1 below.
- Along stream buffers and other sensitive areas, two rows of Type C silt fence or one row of Type C silt fence backed by haybales shall be used.

MAINTENANCE

Sediment shall be removed once it has accumulated to one-half the original height of the barrier. Filter fabric shall be replaced whenever it has deteriorated to such an extent that the effectiveness of the fabric is reduced (approximately six months). Temporary sediment barriers shall remain in place until disturbed areas have been permanently stabilized. All sediment accumulated at the barrier shall be removed and properly disposed of before the barrier is removed.

TABLE 1

Minimum Length	Type of Post	Size of Post
4'	Steel	1.3 lb./ft. minimum



NOTE:
Use 36" D.O.T. approved fabric.
Use steel posts.- only

SILT FENCE - TYPE C

Cd-S STONE CHECK DAM

N.T.S.

NOT TO BE USED IN A LIVE STREAM.

DESIGN CRITERIA

Formal design is not required. The following standards shall be used:

Drainage Area:
Drainage area shall not exceed two acres.

Height:
The center of the check dam must be at least 9 inches lower than outer edges. Dam height should be 2 feet maximum measured to center of check dam.

Side Slopes:
Side slopes shall be 2:1 or flatter.

Spacing:
Two or more check dams in series shall be used for drainage areas greater than one acre.
Maximum spacing between dams should be such that the toe of the upstream dam is at the same elevation as the top of the downstream dam.

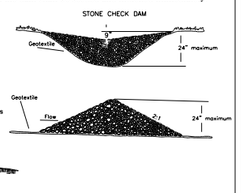
Geotextiles:
A geotextile should be used as a separator between the graded stone and the soil base and abutments. The geotextile will prevent the migration of soil particles from the subgrade into the graded stone. The geotextile shall be selected/specified in accordance with AASHTO M288-96 Section 7.3, Separation Requirements, Table 3. Geotextiles shall be "set" into the subgrade soils. The geotextile shall be placed immediately adjacent to the subgrade without any voids and extend five feet beyond the downstream toe of the dam to prevent scour.

CONSTRUCTION SPECIFICATIONS

Stone check dams should be constructed of graded size 2-10 inch stone. Mechanical or hand placement shall be required to insure complete coverage of entire width of ditch or swale and that center of dam is lower than edges.

MAINTENANCE

Periodic inspection and required maintenance must be provided. Sediment shall be removed when it reaches a depth of one-half the original dam height or before. If the area is to be mowed, check dams shall be removed once final stabilization has occurred. Otherwise, check dams may remain in place permanently. After removal, the area beneath the dam shall be seeded and mulched immediately.



SPACING BETWEEN CHECK DAMS

St STORM DRAIN OUTLET PROTECTION

N.T.S.

DESIGN CRITERIA

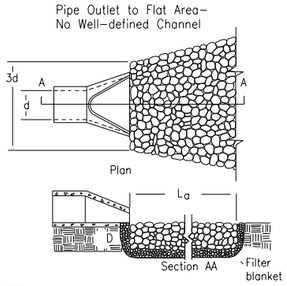
Geotextile - Geotextiles should be used as a separator between the graded stone, the soil base, and the abutments. The geotextile will prevent the migration of soil particles from the subgrade into the graded stone. The geotextile shall be specified in accordance with AASHTO M288-96 Section 7.5, *Permanent Erosion Control Recommendations*. The geotextile should be placed immediately adjacent to the subgrade without any voids.

CONSTRUCTION SPECIFICATIONS

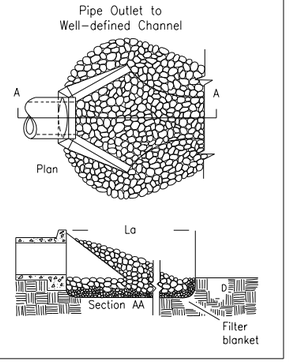
1. Ensure that the subgrade for the filter and riprap follows the required lines and grades shown in the plan. Compact any fill required in the subgrade to the density of the surrounding undisturbed material. Low areas in the subgrade on undisturbed soil may also be filled by increasing the riprap thickness.
2. The riprap and gravel filter must conform to the specified grading limits shown on the plans.
3. Geotextile must meet design requirements and be properly protected from punching or tearing during installation. Repair any damage by removing the riprap and placing another piece of filter fabric over the damaged area. All connecting joints should overlap a minimum of 1 ft. If the damage is extensive, replace the entire filter fabric.
4. Riprap may be placed by equipment, but take care to avoid damaging the filter.
5. The minimum thickness of the riprap should be 1.5 times the maximum stone diameter.
6. Construct the apron on zero grade with no overfall at the end. Make the top of the riprap at the downstream end level with the receiving area or slightly below it.
7. Ensure that the apron is properly aligned with the receiving stream and preferably straight throughout its length. If a curve is needed to fit site conditions, place it in the upper section of the apron.
8. Immediately after construction, stabilize all disturbed areas with vegetation.
9. Stone quality - Select stone for riprap from field stone or quarry stone. The stone should be hard, angular, and highly weather-resistant. The specific gravity of the individual stones should be at least 2.5.
10. Filter - Install a filter to prevent soil movement through the openings in the riprap. The filter should consist of a graded gravel layer or a synthetic filter cloth.

MAINTENANCE

Inspect riprap outlet structures after heavy rains to see if any erosion around or below the riprap has taken place or if stones have been dislodged. Immediately make all needed repairs to prevent further damage.



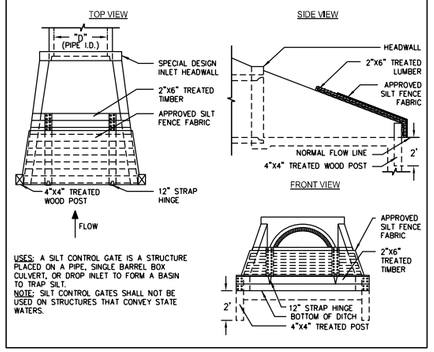
NOTES:
1. La is the length of the riprap apron.
2. D=1.5 times the maximum stone diameter but not less than 6".
3. In a well-defined channel extend the apron up the channel banks to an elevation of 6" above the maximum tailwater depth or to the top of the bank, whichever is less.
4. A filter blanket or filter fabric should be installed between the riprap and soil foundation.



SILT CONTROL GATE WITH SLOTTED BOARD DAM

TYPE 3: FOR FLARED END SECTIONS AND TAPERED HEADWALLS

NOTES:
1. SLOTTED BOARD DAM SHALL BE INSTALLED WITH MINIMUM SIZE 4" X 4" POSTS.
2. BOARDS SHOULD HAVE A 0.5" TO 1"SPACE BETWEEN THEM AND MUST HAVE GROUND OR BOTTOM OF CONCRETE CONTACT.
3. MINIMUM SIZE 3-4" STONE FILTER SHALL BE INSTALLED AROUND THE UPSTREAM SIDE OF THE BOARD DAM.
4. POSTS FOR THE SILT CONTROL GATE SHALL BE 4" X 4" TREATED LUMBER AND FACE BOARDS SHALL BE 2" X 6" TREATED LUMBER WITH NO SPACING ALLOWED BETWEEN BOARDS.
5. AN APPROVED SILT FENCE FABRIC SHALL BE SECURELY FASTENED TO THE FRONT OF THE STRUCTURE USING STABLES (BE SURE TO HAVE SILT FENCE ON UPSTREAM SIDE OF STRUCTURE).
6. SEDIMENT SHALL BE REMOVED AND PROPERLY DISPOSED OF WHEN IT REACHES ONE-THIRD THE HEIGHT OF THE SILT GATE. FILTER FABRIC SHALL BE REPLACED WHEN DAMAGED AND/OR DETERIORATED.
7. ALL DISTURBED AREAS SHALL BE VEGETATED IMMEDIATELY AFTER CONSTRUCTION WITH PERMANENT VEGETATION.



USES: A SILT CONTROL GATE IS A STRUCTURE PLACED ON A PIPE, SINGLE BARREL BOX CULVERT, OR DROP INLET TO FORM A BASIN TO TRAP SILT.
NOTE: SILT CONTROL GATES SHALL NOT BE USED ON STRUCTURES THAT CONVEY STATE WATERS.

Sd2-F INLET SEDIMENT TRAP FILTER FABRIC WITH SUPPORTING FRAME

N.T.S.

DESIGN CRITERIA

Many sediment filtering devices can be designed to serve as temporary sediment traps. Sediment traps must be self-draining unless they are otherwise protected in an approved fashion that will not present a safety hazard. *The drainage area entering the inlet sediment trap shall be no greater than one acre.*

If runoff may bypass the protected inlet, a temporary dike should be constructed on the down slope side of the structure. Also, a stone filter ring may be used on the up slope side of the inlet to slow runoff and filter large soil particles. Refer to **Fr - Stone Filter Ring.**

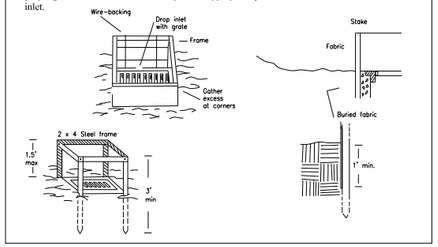
CONSTRUCTION SPECIFICATIONS

This method of inlet protection is applicable where the inlet drains a relatively flat area (slope no greater than 5%) and shall not apply to inlets receiving concentrated flows, such as in street or highway medians. Type C silt fence supported by steel posts shall be used. The stakes shall be spaced evenly around the perimeter of the inlet a maximum of 3 feet apart, and securely driven into the ground, approximately 18 inches deep. The fabric shall be entrenched 12 inches and backfilled with crushed stone or compacted soil. Fabric and wire shall be securely fastened to the posts, and fabric ends must be overlapped a minimum of 18 inches or wrapped together around a post to provide a continuous fabric barrier around the inlet.

MAINTENANCE

The trap shall be inspected daily and after each rain and repairs made as needed. Sediment shall be removed when the sediment has accumulated to one-half the height of the trap. **Sediment shall not be washed into the inlet.** It shall be removed from the sediment trap and disposed of and stabilized so that it will not enter the inlet, again.

When the contributing drainage area has been permanently stabilized, all materials and any sediment shall be removed, and either salvaged or disposed of properly. The disturbed area shall be brought to proper grade, then smoothed and compacted. Appropriately stabilize all disturbed areas around the inlet.



Sd2-P INLET SEDIMENT TRAP CURB INLET PROTECTION ✕ ✕

N.T.S.

DESIGN CRITERIA

Many sediment filtering devices can be designed to serve as temporary sediment traps. Sediment traps must be self-draining unless they are otherwise protected in an approved fashion that will not present a safety hazard. *The drainage area entering the inlet sediment trap shall be no greater than one acre.*

If runoff may bypass the protected inlet, a temporary dike should be constructed on the down slope side of the structure. Also, a stone filter ring may be used on the up slope side of the inlet to slow runoff and filter large soil particles. Refer to **Fr - Stone Filter Ring.**

CONSTRUCTION SPECIFICATIONS

Once pavement has been installed, a curb inlet filter shall be installed on inlets receiving runoff from disturbed areas. **This method of inlet protection shall be removed if a safety hazard is created.**

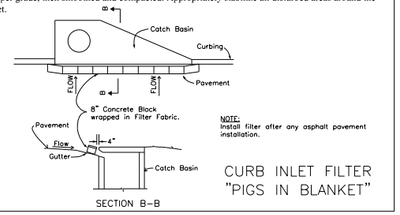
One method of curb inlet protection uses "pigs-in-a-blanket" - 8 inch concrete blocks wrapped in filter fabric. See the figure below. Another method uses gravel bags constructed by wrapping DOT #57 stone with filter fabric, wire, plastic mesh, or equivalent material. A gap of approximately 4 inches shall be left between the inlet filter and the inlet to allow for overflow and prevent hazardous ponding in the roadway. *Proper installation and maintenance are crucial due to possible ponding in the roadway, resulting in a hazardous condition.*

Several other methods are available to prevent the entry of sediment into storm drain inlets.

MAINTENANCE

The trap shall be inspected daily and after each rain and repairs made as needed. Sediment shall be removed from curb inlet protection immediately. **Sediment shall not be washed into the inlet.** It shall be removed from the sediment trap and disposed of and stabilized so that it will not enter the inlet, again.

When the contributing drainage area has been permanently stabilized, all materials and any sediment shall be removed, and either salvaged or disposed of properly. The disturbed area shall be brought to proper grade, then smoothed and compacted. Appropriately stabilize all disturbed areas around the inlet.



NOTE:
Install filter after any asphalt pavement installation.

SECTION B-B

CURB INLET FILTER "PIGS IN BLANKET"

✕ ✕ NOTE: CONCRETE BLOCKS SHALL NOT BE PERMITTED FOR USE IN, Sd2-P, INLET SEDIMENT TRAP.

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

EROSION CONTROL CONSTRUCTION DETAILS

REDWINE RD, PEACHTREE PKWY INTERSECTION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		56-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

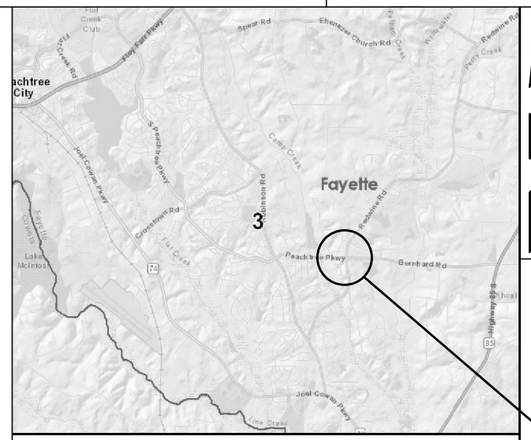
9/16/2022 aalban	GPLOT-V8 gplotborder-V81-P0.tbl	1866010_60-0001.dgn GAWCOV		Project No. 17TAL

FAYETTE COUNTY

BOARD OF COMMISSIONERS

RIGHT OF WAY OF PROPOSED

REDWINE RD, BERNHARD RD & PEACHTREE PKWY INTERSECTION IMPROVEMENTS



LOCATION SKETCH

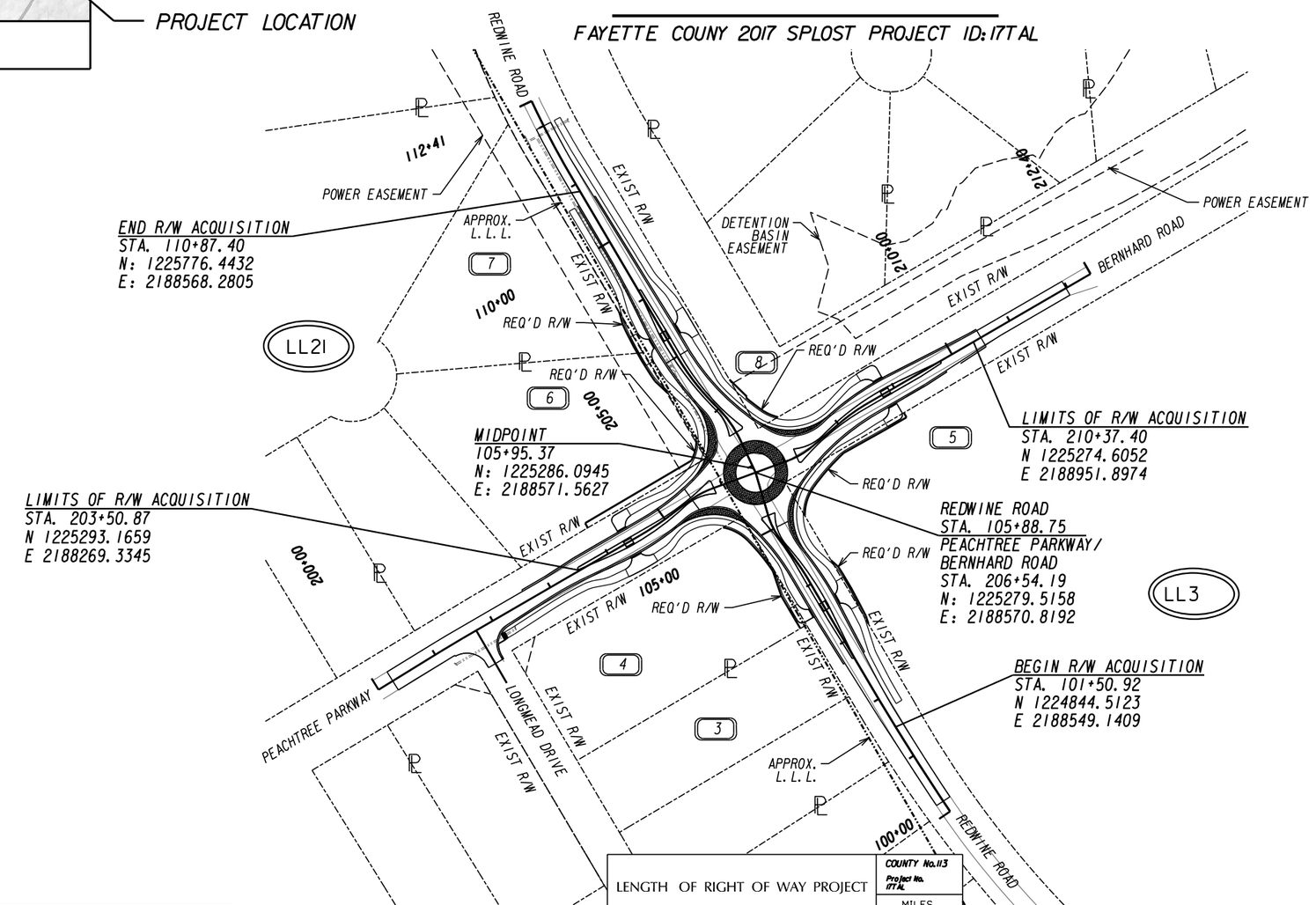
PROJECT LOCATION

FUNCTIONAL CLASS:
REDWINE RD: MINOR ARTERIAL
PEACHTREE PKWY: MINOR ARTERIAL
BERNHARD RD: MAJOR COLLECTOR (GDOT)
MINOR ARTERIAL (FAYETTE COUNTY)

THIS PROJECT IS LOCATED IN FAYETTE COUNTY, CONG. DIST. NO. 13, & COMM. DIST. NO. 3

PROJECT DESIGNATION:
FUNDED 2017 SPLOST, 17TAL

FAYETTE COUNY 2017 SPLOST PROJECT ID: 17TAL



SCALE IN FEET
0 100 200 400

LENGTH OF RIGHT OF WAY PROJECT	COUNTY No. 113 Project No. 17TAL MILES
NET LENGTH OF RIGHT OF WAY	0.18
NET LENGTH OF BRIDGES	0.00
NET LENGTH OF EXCEPTIONS	0.00
GROSS LENGTH OF RIGHT OF WAY	0.18

CONVENTIONAL SIGNS

- STATE OR COUNTY LINE
- CITY LIMIT LINE
- LAND LOT LINE
- PROPERTY LINE
- SURVEY OR BASE LINE
- RIGHT OF WAY LINE
  - EXISTING
  - REQUIRED
  - LIMIT OF ACCESS
  - REQD R/W & LIMIT OF ACCESS
  - R/W MARKERS
- FENCE
- RAILROAD
- POWER LINE
- TELEPHONE LINE
- POWER/UTILITY POLES
- LIGHT POLES

CROY

PLANS PREPARED BY
CROY ENGINEERING

UNDER THE SUPERVISION OF

GEORGIA PROFESSIONAL 23019 ENGINEER CHRIS RIDEOUT

LEVEL II CERT. 6947

CHRIS RIDEOUT, P.E.

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

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

PLANS COMPLETED DATE: 12/23/2020

REVISIONS:
5-4-2021, 7-27-2021, 10-19-2021
1-4-2022

DRAWING No.
60-0001

3

N/F
PID: 060216027
SENGER ROBERT B
KATHLEEN
110 LONGMEAD DR
DB1519 PG617
PB31 PG30-103.104

PARCEL 3
CONTRACTOR TO ENSURE NO ENCROACHMENT INTO EXISTING TREE LINE; ADJUST GRADING AS NECESSARY

LL21
LL3
LL3
APPROX. L.L.L.

100+00
101+00
102+00
103+00

+25.55
40.47' LT
DE2051

+55.63
40.74' LT
DE3050

EXIST R/W
SV19
SV3
SV17

E-5.4
E-5.3

REDWINE RD
CURVE #1
N 1°13'44.9" E
178.68'

P.C. 100+00.00

BEGIN R/W ACQUISITION
STA. 101+50.92
N 1224844.5123
E 2188549.1409

+50.92
42.89' RT
DE5061

SV11
EXIST R/W
+89.15
48.26' RT
DE5060

P.T. 102+28.41

TRACT 1
REQ'D R/W
+46.82
49.71' RT
DE5059
+05.13
44.03' RT
DE5010
+14.94
66.77' RT
DE5058
+16.57
46.65' RT
DE5011

MATCH LINE STA. 103+50
DRAWING No. 60-0003

5

N/F
PID: 0602 003
HERITAGE CHRISTIAN CHURCH
2130 REDWINE RD
DB1406 PG1

SCALE IN FEET
0 20 40 80

PROPERTY AND EXISTING R/W LINE	----℄----
REQUIRED R/W LINE	———
CONSTRUCTION LIMITS	—C—F—
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
EXISTING LIMIT OF ACCESS	---ooo---
REQ'D LIMIT OF ACCESS	——ooo——
EXISTING LIMIT OF ACCESS & R/W	----|||----
REQ'D LIMIT OF ACCESS & R/W	——|||——
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA	

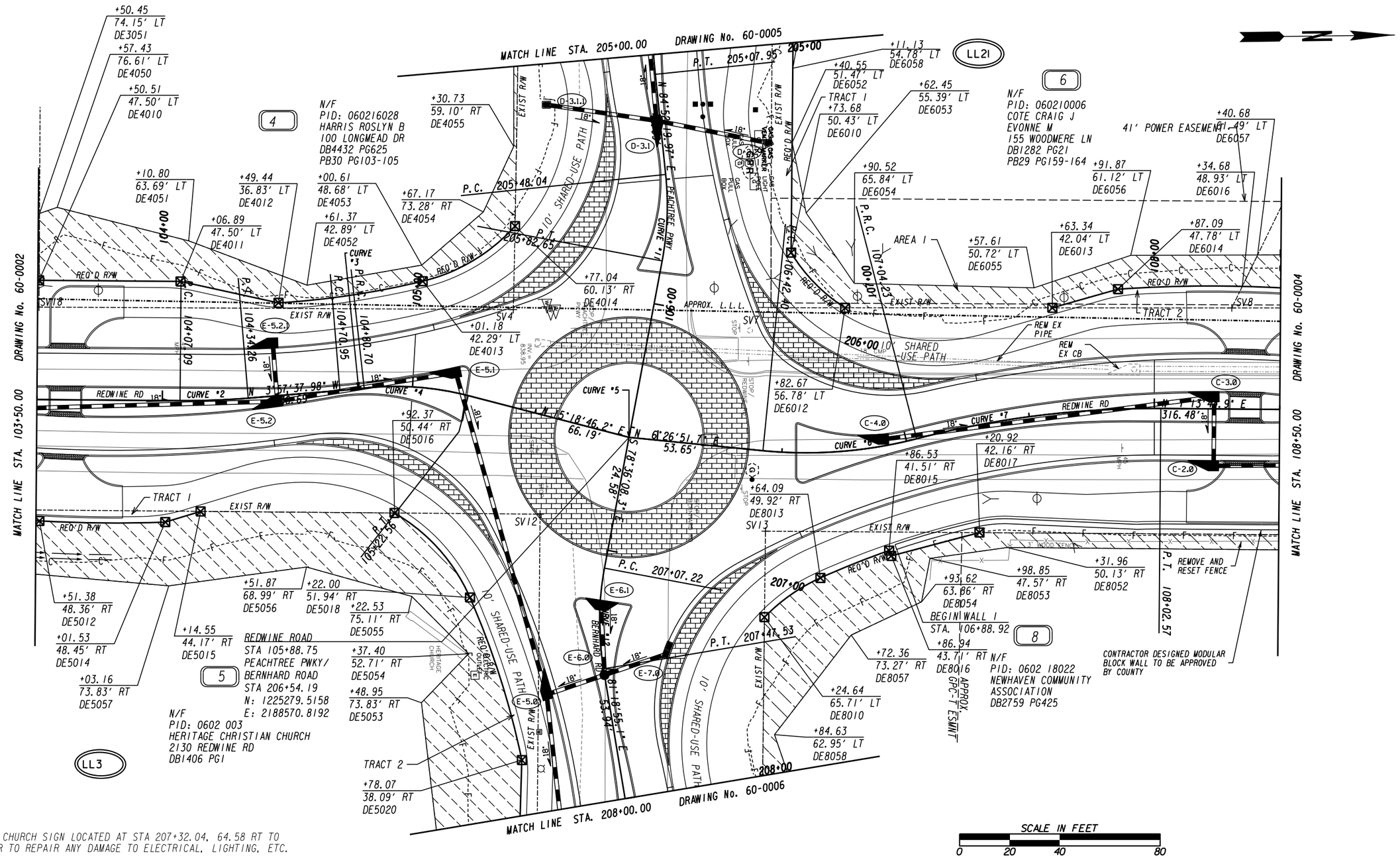
DATE	REVISIONS	DATE	REVISIONS
7-27-2021	PERM EASEMENT REVISED TO TEMP EASEMENT, ALL PARCELS		
10-19-2021	NOTE ADDED PARCEL 3		

FAYETTE COUNTY
BOARD OF COMMISSIONERS
RIGHT OF WAY MAP

PROJECT NO:17TAL
COUNTY:FAYETTE
LAND LOT NO:3 & 21
LAND DISTRICT:
GMD:495
DATE:12/23/20 SH2 OF8

DRAWING No. 60-0002

7/31/2015 GRWPLN



NOTE:
EXISTING HERITAGE CHURCH SIGN LOCATED AT STA 207+32.04, 64.58 RT TO REMAIN. CONTRACTOR TO REPAIR ANY DAMAGE TO ELECTRICAL, LIGHTING, ETC.

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

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS..............ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DATE	REVISIONS	DATE	REVISIONS
5-4-2021	PARCEL 8 ROW & PERM EASMNT REVISED		
7-27-2021	PERM EASEMENT REVISED TO TEMP EASEMENT, ALL PARCELS		
10-19-2021	PARCEL 6 ROW TRACT 1 REVISED, ADDED TEMP EASEMENT AREAS 2 & 3,		
	NOTE ADDED PARCEL 4		

FAYETTE COUNTY
BOARD OF COMMISSIONERS

RIGHT OF WAY MAP

PROJECT NO: 17TAL
COUNTY: FAYETTE
LAND LOT NO: 3 & 21
LAND DISTRICT:
GMD: 495
DATE: 12/23/20 SH3 OF8

DRAWING No.
60-0003

7/31/2015 GRWPLN

DRAWING No. 60-0003

MATCH LINE STA. 108+50.00

6

N/F
PID: 060210006
COTE CRAIG J
EVONNE M
155 WOODMERE LN
DB1282 PG21
PB29 PG159-164

7

N/F
PID: 060210007
FULMER GARY E
MICHELLE ANNE
150 WOODMERE LN
DB1335 PG702
PB29 PG159-164

41' POWER EASEMENT

AREA I

+83.07
45.91' LT
DE7010

+02.46
40.88' LT
DE7011

+76.91
61.88' LT
DE7050

+78.26
41.46' LT
DE7051

109+00 110+00 111+00 112+00 112+41

REQ'D R/W

EXIST R/W

APPROX. L.L.L.

10' SHARED-USE PATH

F-5.0 F-4.0 F-3.0 F-2.0 F-1.1 F-1.0

18" RCP 24" RCP 24" RCP 24" RCP

REM EX PIPE

N 1°13'44.9" E
316.48'

REDWINE RD

CURVE #8

P.T. 112+41.29

C-1.0 C-0.0

END WALL 1
STA. 110+01.00

+87.40
49.60' RT
DE8050

SW14

EXIST R/W

P.C. 111+19.05

+82.42
56.13' RT
DE8051

REDI-ROCK OR EQUIVALENT MODULAR BLOCK WALL TO BE APPROVED BY COUNTY

REMOVE AND RESET FENCE

END R/W ACQUISITION
STA. 110+87.40
N: 1225776.4432
E: 2188568.2805

8

N/F
PID: 0602 18022
NEWHAVEN COMMUNITY ASSOCIATION
DB2759 PG425

LL21

LL3

SCALE IN FEET
0 20 40 80

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DATE	REVISIONS	DATE	REVISIONS
5-4-2021	PARCEL 8 ROW & PERM EASMNT REVISED		
7-27-2021	PERM EASEMENT REVISED TO TEMP EASEMENT, ALL PARCELS		

FAYETTE COUNTY
BOARD OF COMMISSIONERS

RIGHT OF WAY MAP

PROJECT NO:17TAL
COUNTY: FAYETTE
LAND LOT NO:3 & 21
LAND DISTRICT:
GMD:495
DATE:12/23/20 SH4 OF8

DRAWING No. 60-0004

7/31/2015 GRWPLN

9/16/2022	GPLOT-V8	1866010_60-0005.dgn		Project No.
aalban	gplotborder-V81-P0.tbl	GRWPLN		17TAL

6

N/F
PID: 060210006
COTE CRAIG J
EVONNE M
155 WOODMERE LN
DB1282 PG21
PB29 PG159-164

N

PEACHTREE PKWY
STA 201+71.35
LONGMEAD DR
STA 10+00.00
N: 1225298.0458
E: 2188089.8789

200+00 201+00 202+00 203+00 204+00 205+00

EXIST R/W

SV6

+50.87
48.70' LT
DE6050

+93.36
57.34' LT
DE6009

+93.33
49.34' LT
DE6008

AREA 3

+45.70
67.68' LT
DE6051

REQ'D R/W

SV21

AREA 2

TRACT 1

TP3 CONC SPILLWAY
GA STD 9013

POB 200+00.00

P.C. 204+55.44

D-4.0

G-0.0

PEACHTREE PKWY

S 89°53'36.1" E
109.54'

CURVE #9

10+00

S 88°26'32.5" E
307.91'

CURVE #10

D-1.0

D-3.0

D-2.0

18"

INV.=829.22

10' SHARED-USE PATH

INV.=829.22
FULL

D-0.0

P.C. 201+09.54

P.T. 201+47.53

91.11'

S01°33'27.5"W

LONGMEAD DR

SV5

REM EX PIPE

EXIST R/W

EXIST R/W

LIMITS OF R/W ACQUISITION
STA. 203+50.87
N 1225293.1659
E 2188269.3345

SV20

+68.49
52.01' RT
DE4059

+74.61
61.28' RT
DE4058

+49.36
62.71' RT
DE4057

+91.13
55.15' RT
DE4056

10+91

MATCH LINE STA. 205+00.00

DRAWING No. 60-0003

4

N/F
PID: 060216028
HARRIS ROSLYN B
100 LONGMEAD DR
DB4432 PG625
PB30 PG103-105

SCALE IN FEET
0 20 40 80

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DATE	REVISIONS	DATE	REVISIONS
7-27-2021	PERM EASEMENT REVISED TO TEMP EASEMENT, ALL PARCELS		
10-19-2021	PARCEL 6 ROW TRACT 1 REVISED, ADDED TEMP EASEMENT AREAS 2 & 3		

FAYETTE COUNTY
BOARD OF COMMISSIONERS

RIGHT OF WAY MAP

PROJECT NO:17TAL
COUNTY: FAYETTE
LAND LOT NO:3 & 21
LAND DISTRICT:
GMD:495
DATE:12/23/20 SH5 OF8

DRAWING No.
60-0005

7/31/2015 GRWPLN

APPROX. GPC-T EASEMENT

+52.36
82.16' LT
DE8059

+93.99
83.49' LT
DE8060

DETENTION BASIN #2
WITH
20' MAINTENACE ESMT.

+70.88
50.20' LT
DE8061

8
N/F
PID: 0602 18022
NEWHAVEN COMMUNITY
ASSOCIATION
DB2759 PG425

208+00 209+00 210+00 211+00 212+00 212+40

EXIST R/W

DRAWING No. 60-0003

MATCH LINE STA. 208+00.00

E-2.0 E-1.0 E-0.0 E-3.0 E-4.0 I-0.0

18" 18" 18" 18" 18"

CURVE #13

P.T. 208+55.10

P.I. 208+10.47

BERNHARD RD

S 88°26'32.5" E
385.34'

POE 212+40.44

TP3 CONC SPILLWAY
GA STD 9013

EXIST R/W

REQ'D R/W

+93.60
39.58' RT
DE5023

+37.40
38.93' RT
DE5050

LIMITS OF R/W ACQUISITION
STA. 210+37.40
N 1225274.6052
E 2188951.8974

+74.65
49.49' RT
DE5051

+19.38
66.31' RT
DE5052

+93.60
47.50' RT
DE5022

+53.49
47.50' RT
DE5021

TRACT 2

5
N/F
PID: 0602 003
HERITAGE CHRISTIAN CHURCH
2130 REDWINE RD
DB1406 PG1

SCALE IN FEET
0 20 40 80

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DATE	REVISIONS	DATE	REVISIONS
5-4-2021	PARCEL 8 ROW & PERM EASMNT REVISED		
7-21-2021	PERM EASEMENT REVISED TO TEMP EASEMENT, ALL PARCELS		

FAYETTE COUNTY
BOARD OF COMMISSIONERS

RIGHT OF WAY MAP

PROJECT NO:17TAL
COUNTY: FAYETTE
LAND LOT NO:3 & 21
LAND DISTRICT:
GMD:495
DATE:12/23/20 SH6 OF8

DRAWING No. 60-0006

7/31/2015 GRWPLN

PARCEL 3 REQ'D TEMP. EASM'T.

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
SV17	36.47 L	102+25.56	Redwine Road
	4.00	N 88°53'23.8" W	
DE2051	40.47 L	102+25.55	Redwine Road
	30.10	N 0°42'24.5" E	
DE3050	40.74 L	102+55.63	Redwine Road
	100.54	N 18°10'41.3" W	
DE3051	74.15 L	103+50.45	Redwine Road
	37.33	S 88°53'23.8" E	
SV18	36.83 L	103+50.53	Redwine Road
	125.00	S 1°03'53.0" W	
SV17	36.47 L	102+25.56	Redwine Road

REQD EASMT = 2093.27 SF
REQD EASMT = 0.048 ACRES

PARCEL 4 REQ'D R/W

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
SV18	36.83 L	103+50.53	Redwine Road
	110.67	N 88°53'23.8" W	
DE4010	47.50 L	103+50.51	Redwine Road
	56.38	N 1°13'44.9" E	
DE4011	47.50 L	104+06.89	Redwine Road
	39.97	N 13°05'38.0" E	
DE4012	36.83 L	104+49.44	Redwine Road

ARC LENGTH = 58.21
CHORD BEAR = N 7°46'03.1" W
LNTH CHORD = 58.13
RADIUS = 330.00
DEGREE = 17°21'44.5"

DE4013	42.29 L	105+01.18	Redwine Road

ARC LENGTH = 43.51
CHORD BEAR = N 30°00'51.8" W
LNTH CHORD = 42.86
RADIUS = 72.50
DEGREE = 79°01'43.2"

DE4014	60.13 R	205+77.04	Peachtree Pkwy/Bernhard Rd
	33.24	S 88°00'38.4" E	
SV4	37.71 L	105+31.28	Redwine Road
	189.10	S 1°03'53.0" W	
SV18	36.83 L	103+50.53	Redwine Road

REQD R/W = 1889.50 SF
REQD R/W = 0.043 ACRES
REMAINDER = +/- 1.69 ACRES

PARCEL 4 REQ'D TEMP. EASM'T.

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE4010	47.50 L	103+50.51	Redwine Road
	26.65	N 88°53'23.8" W	
DE3051	74.15 L	103+50.45	Redwine Road
	7.39	N 18°10'41.3" W	
DE4050	76.61 L	103+57.43	Redwine Road
	54.14	N 15°00'35.2" E	
DE4051	63.69 L	104+10.80	Redwine Road
	50.40	N 21°19'39.1" E	
DE4052	42.89 L	104+61.37	Redwine Road
	46.43	N 9°11'56.7" W	
DE4053	48.68 L	105+00.61	Redwine Road
	32.41	N 39°58'42.8" W	
DE4054	73.28 R	205+67.17	Peachtree Pkwy/Bernhard Rd
	28.80	N 64°16'23.0" W	
DE4055	59.10 R	205+30.73	Peachtree Pkwy/Bernhard Rd
	41.88	N 89°13'45.2" W	
DE4056	55.15 R	204+91.13	Peachtree Pkwy/Bernhard Rd
	47.00	S 80°19'51.7" W	
DE4057	62.71 R	204+49.36	Peachtree Pkwy/Bernhard Rd
	74.77	N 87°20'52.2" W	
DE4058	61.28 R	203+74.61	Peachtree Pkwy/Bernhard Rd
	11.12	N 31°52'09.2" W	
DE4059	52.01 R	203+68.49	Peachtree Pkwy/Bernhard Rd
	32.98	S 88°02'17.3" E	
SV20	52.24 R	204+01.47	Peachtree Pkwy/Bernhard Rd
	167.61	S 88°30'16.2" E	
DE4014	60.13 R	205+77.04	Peachtree Pkwy/Bernhard Rd

ARC LENGTH = 43.51
CHORD BEAR = S 30°00'51.8" E
LNTH CHORD = 42.86
RADIUS = 72.50
DEGREE = 79°01'43.2"

DE4013	42.29 L	105+01.18	Redwine Road

ARC LENGTH = 58.21
CHORD BEAR = S 7°46'03.1" E
LNTH CHORD = 58.13
RADIUS = 330.00
DEGREE = 17°21'44.5"

DE4012	36.83 L	104+49.44	Redwine Road
	39.97	S 13°05'38.0" W	
DE4011	47.50 L	104+06.89	Redwine Road
	56.38	S 1°13'44.9" W	
DE4010	47.50 L	103+50.51	Redwine Road

REQD EASMT = 4025.03 SF
REQD EASMT = 0.092 ACRES

PARCEL 5 TRACT 1 REQ'D R/W

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE5010	44.03 R	103+05.13	Redwine Road
	110.52	N 1°14'40.3" E	
DE5015	44.17 R	104+14.55	Redwine Road
	14.78	S 16°01'09.2" E	
DE5014	48.45 R	104+01.53	Redwine Road

ARC LENGTH = 50.17
CHORD BEAR = S 1°19'31.0" W
LNTH CHORD = 50.15
RADIUS = 529.00
DEGREE = 10°49'51.5"

DE5012	48.36 R	103+51.38	Redwine Road
	34.85	S 4°02'32.6" W	
DE5011	46.65 R	103+16.57	Redwine Road
	11.74	S 14°07'15.7" W	
DE5010	44.03 R	103+05.13	Redwine Road

REQD R/W = 404.72 SF
REQD R/W = 0.009 ACRES
REMAINDER = +/- 76 ACRES

PARCEL 5 TRACT 2 REQ'D R/W

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
SV12	38.55 R	105+62.08	Redwine Road
	206.18	S 88°42'09.7" E	
DE5023	39.58 R	208+93.60	Peachtree Pkwy/Bernhard Rd
	7.92	S 1°33'27.5" W	
DE5022	47.50 R	208+93.60	Peachtree Pkwy/Bernhard Rd
	39.86	N 88°26'32.5" W	
DE5021	47.50 R	208+53.49	Peachtree Pkwy/Bernhard Rd
	68.25	N 87°32'15.1" W	
DE5020	38.09 R	207+78.07	Peachtree Pkwy/Bernhard Rd

ARC LENGTH = 68.11
CHORD BEAR = S 73°03'53.1" W
LNTH CHORD = 67.99
RADIUS = 330.00
DEGREE = 17°21'44.5"

DE5018	51.94 R	207+22.00	Peachtree Pkwy/Bernhard Rd

ARC LENGTH = 45.93
CHORD BEAR = S 49°00'11.1" W
LNTH CHORD = 45.17
RADIUS = 72.50
DEGREE = 79°01'43.2"

DE5016	50.44 R	104+92.37	Redwine Road
	58.02	N 1°14'40.3" E	
SV12	38.55 R	105+62.08	Redwine Road

REQD R/W = 3132.89 SF
REQD R/W = 0.072 ACRES
REMAINDER = +/- 76 ACRES
TOTAL AREA REQ'D = 0.081 ACRES

PARCEL 5 REQ'D TEMP. EASM'T.

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
SV11	43.50 R	101+67.49	Redwine Road
	136.91	N 1°14'40.3" E	
DE5010	44.03 R	103+05.13	Redwine Road
	11.74	N 14°07'15.7" E	
DE5011	46.65 R	103+16.57	Redwine Road
	34.85	N 4°02'32.6" E	
DE5012	48.36 R	103+51.38	Redwine Road

ARC LENGTH = 50.17
CHORD BEAR = N 1°19'31.0" E
LNTH CHORD = 50.15
RADIUS = 529.00
DEGREE = 10°49'51.5"

DE5014	48.45 R	104+01.53	Redwine Road
	14.78	N 16°01'09.2" W	
DE5015	44.17 R	104+14.55	Redwine Road
	77.29	N 1°14'40.3" E	
DE5016	50.44 R	104+92.37	Redwine Road

ARC LENGTH = 45.93
CHORD BEAR = N 49°00'11.1" E
LNTH CHORD = 45.17
RADIUS = 72.50
DEGREE = 79°01'43.2"

DE5018	51.94 R	207+22.00	Peachtree Pkwy/Bernhard Rd

ARC LENGTH = 68.11
CHORD BEAR = N 73°03'53.1" E
LNTH CHORD = 67.99
RADIUS = 330.00
DEGREE = 17°21'44.5"

DE5020	38.09 R	207+78.07	Peachtree Pkwy/Bernhard Rd
	68.25	S 87°32'15.1" E	
DE5021	47.50 R	208+53.49	Peachtree Pkwy/Bernhard Rd
	39.86	S 88°26'32.5" E	
DE5022	47.50 R	208+93.60	Peachtree Pkwy/Bernhard Rd
	7.92	N 1°33'27.5" E	
DE5023	39.58 R	208+93.60	Peachtree Pkwy/Bernhard Rd
	143.79	S 88°42'09.7" E	
DE5050	38.93 R	210+37.40	Peachtree Pkwy/Bernhard Rd
	63.63	S 82°00'09.8" W	
DE5051	49.49 R	209+74.65	Peachtree Pkwy/Bernhard Rd
	57.77	S 74°38'04.4" W	
DE5052	66.31 R	209+19.38	Peachtree Pkwy/Bernhard Rd
	157.51	S 84°05'33.3" W	
DE5053	73.83 R	207+48.95	Peachtree Pkwy/Bernhard Rd
	27.13	N 45°18'38.4" W	
DE5054	52.71 R	207+37.40	Peachtree Pkwy/Bernhard Rd
	32.15	S 46°01'58.6" W	
DE5055	75.11 R	207+22.53	Peachtree Pkwy/Bernhard Rd
	43.62	S 16°20'59.5" W	
DE5056	68.99 R	104+51.87	Redwine Road
	55.42	S 7°01'05.8" E	
DE5057	73.83 R	104+03.16	Redwine Road
	88.50	S 5°48'14.2" W	
DE5058	66.77 R	103+14.94	Redwine Road
	70.22	S 15°17'16.5" W	
DE5059	49.71 R	102+46.82	Redwine Road
	57.18	S 2°28'50.8" W	
DE5060	48.26 R	101+89.15	Redwine Road
	38.13	S 8°24'55.6" W	
DE5061	42.89 R	101+50.92	Redwine Road
	16.39	N 2°17'13.9" E	
SV11	43.50 R	101+67.49	Redwine Road

REQD EASMT = 13346.47 SF
REQD EASMT = 0.306 ACRES

PARCEL 6 TRACT 1 REQ'D R/W

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
SV7	46.14 L	205+93.00	Peachtree Pkwy/Bernhard Rd

ARC LENGTH = 206.88
CHORD BEAR = N 88°45'20.3" W
LNTH CHORD = 206.88
RADIUS = 11551.81
DEGREE = 0°29'45.6"

DE6008	49.34 L	203+93.33	Peachtree Pkwy/Bernhard Rd
	8.00	N 1°45'26.6" E	
DE6009	57.34 L	203+93.36	Peachtree Pkwy/Bernhard Rd
	184.76	S 88°42'04.0" E	
DE6010	50.43 L	205+73.68	Peachtree Pkwy/Bernhard Rd

ARC LENGTH = 31.02
CHORD BEAR = N 46°24'09.9" E
LNTH CHORD = 30.75
RADIUS = 67.50
DEGREE = 84°52'57.4"

DE6012	56.78 L	106+82.67	Redwine Road
	29.51	S 0°47'05.9" W	
SV7	46.14 L	205+93.00	Peachtree Pkwy/Bernhard Rd

REQD R/W = 1899.96 SF
REQD R/W = 0.044 ACRES
REMAINDER = +/- 2.1 ACRES

PARCEL 6 TRACT 2 REQ'D R/W

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
SV8	40.32 L	108+30.56	Redwine Road
	71.55	S 0°47'05.9" W	
DE6013	42.04 L	107+63.34	Redwine Road
	27.20	N 15°06'49.2" W	
DE6014	47.78 L	107+87.09	Redwine Road

ARC LENGTH = 49.60
CHORD BEAR = N 0°31'02.8" W
LNTH CHORD = 49.58
RADIUS = 529.00
DEGREE = 10°49'51.5"

DE6016	48.93 L	108+34.68	Redwine Road
	9.54	S 63°13'17.1" E	
SV8	40.32 L	108+30.56	Redwine Road

REQD R/W = 496.04 SF
REQD R/W = 0.011 ACRES
REMAINDER = +/- 2.1 ACRES
TOTAL AREA REQ'D = 0.055 ACRES

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DATE	REVISIONS	DATE	REVISIONS
7-27-2021	PERM EASEMENT REVISED TO TEMP EASEMENT, ALL PARCELS		
10-19-2021	REQ'D TABLE REVISED, PARCEL 6 TRACT 1		

FAYETTE COUNTY
BOARD OF COMMISSIONERS

RIGHT OF WAY MAP

PROJECT NO:17TAL
COUNTY:FAYETTE
LAND LOT NO:3 & 21
LAND DISTRICT:
GMD:495
DATE:12/23/20 SH7 OF8

DRAWING No. 60-0007

7/31/2015 GRWPLN

PARCEL 6 AREA 1 REQ'D TEMP. EASM'T.

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE6010	50.43 L	205+73.68	Peachtree Pkwy/Bernhard Rd
	43.91	N 88°42'03.9" W	
DE6052	51.47 L	205+40.55	Peachtree Pkwy/Bernhard Rd
	28.63	N 79°33'25.0" E	
DE6053	55.39 L	205+62.45	Peachtree Pkwy/Bernhard Rd
	34.01	N 56°25'36.0" E	
DE6054	65.84 L	106+90.52	Redwine Road
	71.71	N 2°12'05.9" E	
DE6055	50.72 L	107+57.61	Redwine Road
	40.71	N 17°49'23.1" W	
DE6056	61.12 L	107+91.87	Redwine Road
	50.56	N 0°36'48.1" E	
DE6057	61.49 L	108+40.68	Redwine Road
	13.92	S 63°13'17.1" E	
DE6016	48.93 L	108+34.68	Redwine Road

ARC LENGTH = 49.60
CHORD BEAR = S 0°31'02.8" E
LNTH CHORD = 49.58
RADIUS = 529.00
DEGREE = 10°49'51.5"

DE6014	47.78 L	107+87.09	Redwine Road
	27.20	S 15°06'49.2" E	
DE6013	42.04 L	107+63.34	Redwine Road
	82.65	S 0°47'05.9" W	
DE6012	56.78 L	106+82.67	Redwine Road

ARC LENGTH = 31.02
CHORD BEAR = S 46°24'09.9" W
LNTH CHORD = 30.75
RADIUS = 67.50
DEGREE = 84°52'57.4"

DE6010	50.43 L	205+73.68	Peachtree Pkwy/Bernhard Rd

REQD EASMT = 2211.77 SF
REQD EASMT = 0.051 ACRES

PARCEL 6 AREA 2 REQ'D TEMP. EASM'T.

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
SV21	49.35 L	203+89.33	Peachtree Pkwy/Bernhard Rd

ARC LENGTH = 38.47
CHORD BEAR = N 89°25'13.1" W
LNTH CHORD = 38.47
RADIUS = 8640.35
DEGREE = 0°39'47.2"

DE6050	48.70 L	203+50.87	Peachtree Pkwy/Bernhard Rd
	43.36	N 80°03'37.5" E	
DE6009	57.34 L	203+93.36	Peachtree Pkwy/Bernhard Rd
	8.00	S 1°45'26.6" W	
DE6008	49.34 L	203+93.33	Peachtree Pkwy/Bernhard Rd

ARC LENGTH = 4.00
CHORD BEAR = N 88°13'57.7" W
LNTH CHORD = 4.00
RADIUS = 11551.81
DEGREE = 0°29'45.6"

SV21	49.35 L	203+89.33	Peachtree Pkwy/Bernhard Rd

REQD EASMT = 168.78 SF
REQD EASMT = 0.004 ACRES

PARCEL 6 AREA 3 REQ'D TEMP. EASM'T.

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE6009	57.34 L	203+93.36	Peachtree Pkwy/Bernhard Rd
	53.36	N 80°22'47.2" E	
DE6051	67.68 L	204+45.70	Peachtree Pkwy/Bernhard Rd
	59.73	S 78°57'30.8" E	
DE6058	54.78 L	205+11.13	Peachtree Pkwy/Bernhard Rd
	111.25	N 88°42'04.1" W	
DE6009	57.34 L	203+93.36	Peachtree Pkwy/Bernhard Rd

REQD EASMT = 562.21 SF
REQD EASMT = 0.013 ACRES

PARCEL 7 REQ'D R/W

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
SV8	40.32 L	108+30.56	Redwine Road
	9.54	N 63°13'17.1" W	
DE6016	48.93 L	108+34.68	Redwine Road

ARC LENGTH = 48.51
CHORD BEAR = N 4°47'43.3" E
LNTH CHORD = 48.49
RADIUS = 529.00
DEGREE = 10°49'51.5"

DE7010	45.91 L	108+83.07	Redwine Road
	20.03	N 15°47'38.9" E	
DE7011	40.88 L	109+02.46	Redwine Road
	71.90	S 0°47'05.9" W	
SV8	40.32 L	108+30.56	Redwine Road

REQD R/W = 419.04 SF
REQD R/W = 0.010 ACRES
REMAINDER = +/- 0.025 ACRES

PARCEL 7 REQ'D TEMP. EASM'T.

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE6016	48.93 L	108+34.68	Redwine Road
	13.92	N 63°13'17.1" W	
DE6057	61.49 L	108+40.68	Redwine Road
	36.23	N 0°36'48.1" E	
DE7050	61.88 L	108+76.91	Redwine Road
	103.38	N 12°37'10.6" E	
DE7051	41.46 L	109+78.26	Redwine Road
	75.80	S 0°47'05.9" W	
DE7011	40.88 L	109+02.46	Redwine Road
	20.03	S 15°47'38.9" W	
DE7010	45.91 L	108+83.07	Redwine Road

ARC LENGTH = 48.51
CHORD BEAR = S 4°47'43.3" W
LNTH CHORD = 48.49
RADIUS = 529.00
DEGREE = 10°49'51.5"

DE6016	48.93 L	108+34.68	Redwine Road

REQD EASMT = 1528.30 SF
REQD EASMT = 0.035 ACRES

PARCEL 8 REQ'D R/W

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
SV13	31.84 R	106+45.91	Redwine Road
	34.29	S 88°36'07.1" E	
DE8010	65.71 L	207+24.64	Peachtree Pkwy/Bernhard Rd

ARC LENGTH = 27.39
CHORD BEAR = N 34°15'32.6" W
LNTH CHORD = 27.23
RADIUS = 72.50
DEGREE = 79°01'43.2"

DE8013	49.92 R	106+64.09	Redwine Road

ARC LENGTH = 29.51
CHORD BEAR = N 20°52'22.6" W
LNTH CHORD = 29.50
RADIUS = 330.00
DEGREE = 17°21'44.5"

DE8015	41.51 R	106+86.53	Redwine Road
	2.26	N 68°43'16.6" E	
DE8016	43.71 R	106+86.94	Redwine Road
	36.38	N 14°01'43.2" W	
DE8017	42.16 R	107+20.92	Redwine Road
	85.36	S 1°09'38.1" W	
SV13	31.84 R	106+45.91	Redwine Road

REQD R/W = 1082.84 SF
REQD R/W = 0.025 ACRES
REMAINDER = +/- 6.5 ACRES

PARCEL 8 REQ'D TEMP. EASM'T.

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE8010	65.71 L	207+24.64	Peachtree Pkwy/Bernhard Rd

ARC LENGTH = 27.39
CHORD BEAR = N 34°15'32.6" W
LNTH CHORD = 27.23
RADIUS = 72.50
DEGREE = 79°01'43.2"

DE8013	49.92 R	106+64.09	Redwine Road

ARC LENGTH = 29.51
CHORD BEAR = N 20°52'22.6" W
LNTH CHORD = 29.50
RADIUS = 330.00
DEGREE = 17°21'44.5"

DE8015	41.51 R	106+86.53	Redwine Road
	2.26	N 68°43'16.6" E	
DE8016	43.71 R	106+86.94	Redwine Road
	36.38	N 14°01'43.2" W	
DE8017	42.16 R	107+20.92	Redwine Road
	356.73	N 1°09'38.0" E	
DE8050	49.60 R	110+87.40	Redwine Road
	8.22	S 51°30'17.5" E	
DE8051	56.13 R	110+82.42	Redwine Road
	340.67	S 1°16'26.2" W	
DE8052	50.12 R	107+31.96	Redwine Road
	31.05	S 7°14'00.7" E	
DE8053	47.57 R	106+98.85	Redwine Road
	17.69	S 78°16'08.7" E	
DE8054	63.86 R	106+93.62	Redwine Road
	31.03	S 24°27'32.7" E	
DE8057	73.27 R	106+72.36	Redwine Road
	50.10	S 51°36'08.1" E	
DE8058	62.95 L	207+84.63	Peachtree Pkwy/Bernhard Rd
	82.50	N 71°44'08.5" E	
DE8059	82.16 L	208+52.36	Peachtree Pkwy/Bernhard Rd
	42.40	N 89°44'22.0" E	
DE8060	83.49 L	208+93.99	Peachtree Pkwy/Bernhard Rd
	83.79	S 65°01'45.8" E	
DE8061	50.20 L	209+70.88	Peachtree Pkwy/Bernhard Rd
	243.65	N 88°36'07.0" W	
DE8010	65.71 L	207+24.64	Peachtree Pkwy/Bernhard Rd

REQD EASMT = 8637.94 SF
REQD EASMT = 0.198 ACRES

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DATE	REVISIONS	DATE	REVISIONS
5-4-2021	REVISED PARCEL 8 ROW & PERM EASEMNT TABLES		
7-27-2021	PERM EASEMENT REVISED TO TEMP EASEMENT, ALL PARCELS		
10-19-2021	PARCEL 6 PERM EASEMENT REVISED AND AREA 2 & 3 TABLES ADDED		
1-4-2022	PARCEL 6 PERM EASEMENT TABLES REVISED		

FAYETTE COUNTY
BOARD OF COMMISSIONERS

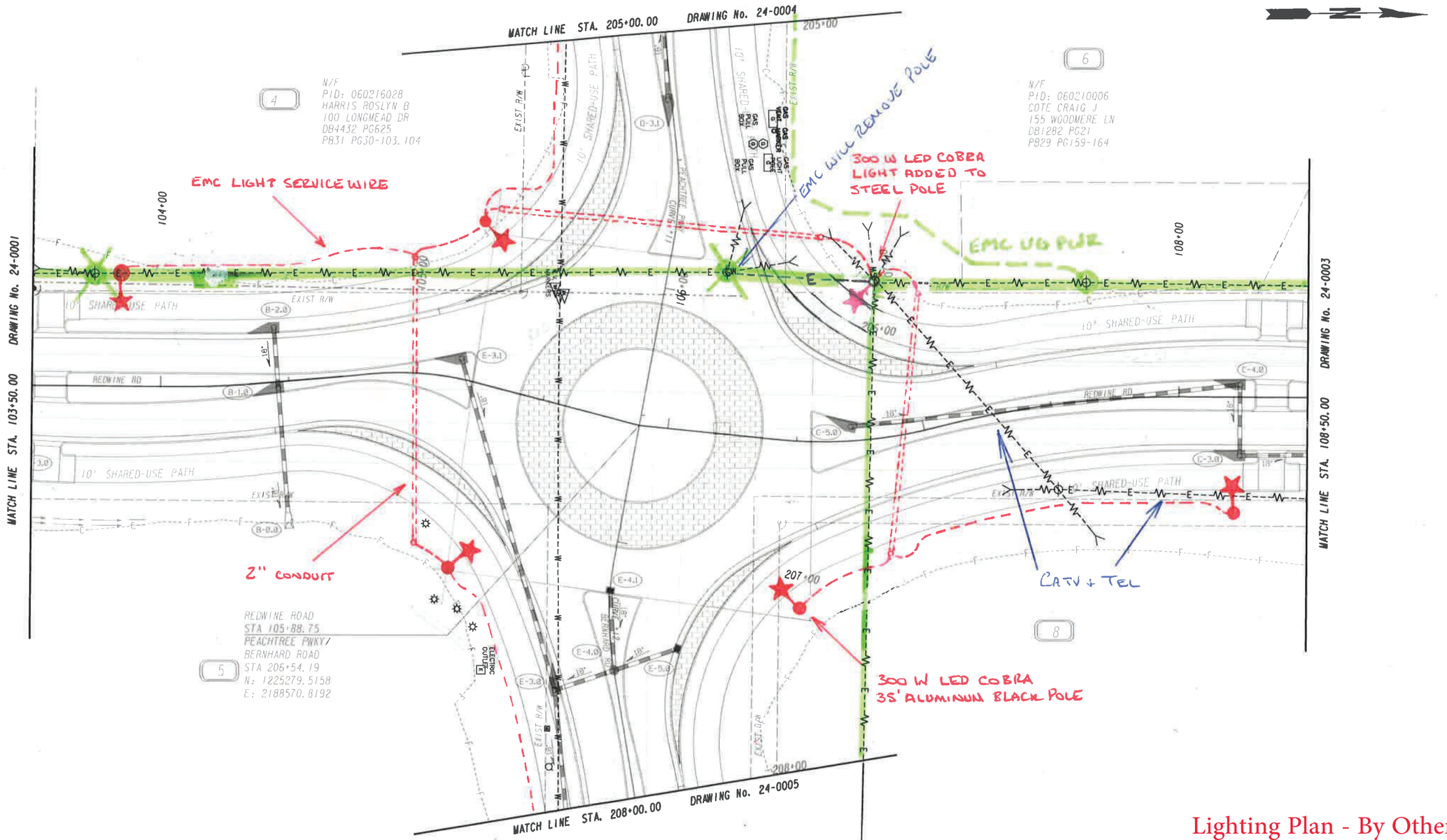
RIGHT OF WAY MAP

PROJECT NO:17TAL
COUNTY: FAYETTE
LAND LOT NO:3 & 21
LAND DISTRICT:
GMD:495
DATE:12/23/20 SH8 OF8

DRAWING No. 60-0008

7/31/2015 GRWPLN

Contractor to install 2" conduit under all road crossings.
Conduit to provided by Coweta-Fayette EMC.



Lighting Plan - By Others

PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	ORANGE BARRIER FENCE
EASEMENT FOR CONSTR OF DRIVES	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
REDWINE RD, PEACHTREE PKWY INTERSECTION
REDWINE ROAD

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	24-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	

10/23/2015 GPLN

1/29/2019 3:03:39 PM rjackson | GPLOT-V8 gplotborder-V8I-P0.tbl | 1866010_24-0004.dgn | Project No. 1866010

6

N/F
PID: 060210006
COTE CRAIG J
155 WOODWERE LN
DB1282 PG21
PB29 PG159-164

200+00 201+00 202+00 203+00 204+00 205+00

EMC UG PWR

S 89°53'36.1" E
109.54'

CURVE #9

S 88°26'32.5" E
307.91'

PEACHTREE PKWY

CURVE #10

D-0.0 D-1.0 D-2.0 D-3.0 D-4.0

18"

LIMITS OF CONSTRUCTION
STA. 200+25.00
N: 1225299.4025
E: 2187943.5419

LONGMEAD DR

MATCH LINE STA. 205+00.00

DRAWING No. 24-0002

300 W LED COBRA
35' ALUMINUM BLACK POLE

EMC LIGHT SERVICE WIRE

4

N/F
PID: 060216028
HARRIS ROSLYN B
100 LONGMEAD DR
DB4432 PG625
PB31 PG30-103, 104

Lighting Plan - By Others

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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0820

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
REDWINE RD, PEACHTREE PKWY INTERSECTION
PEACHTREE PKWY EXT

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

DRAWING No. 24-0004

10/23/2015 GPLH

1/29/2019 3:04:15 PM rjackson | GPLOT-V8 gplotborder-V81-P0.tbl | 1866010_24-0005.dgn | Project No. 1866010

DRAWING No. 24-0002

MATCH LINE STA. 208+00.00

208+00

209+00

210+00

211+00

212+00

212+40

10' SHARED-USE PATH

BERNHARD RD

E-0.8

E-1.8

E-2.8

H-3.0

I-0.0

24"

18"

LIMITS OF CONSTRUCTION
STA. 211+97.72
N: 1225270.2472
E: 2189112.1601

EMC LIGHT SERVICE WIRE

300 W LED COBRA 35' ALUMINUM BLACK POLE

5

N/F
PID: 0602 003
HERITAGE CHRISTIAN CHURCH INC
2130 REDWINE RD
DB1406 PG1

Lighting Plan - By Others

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

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

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

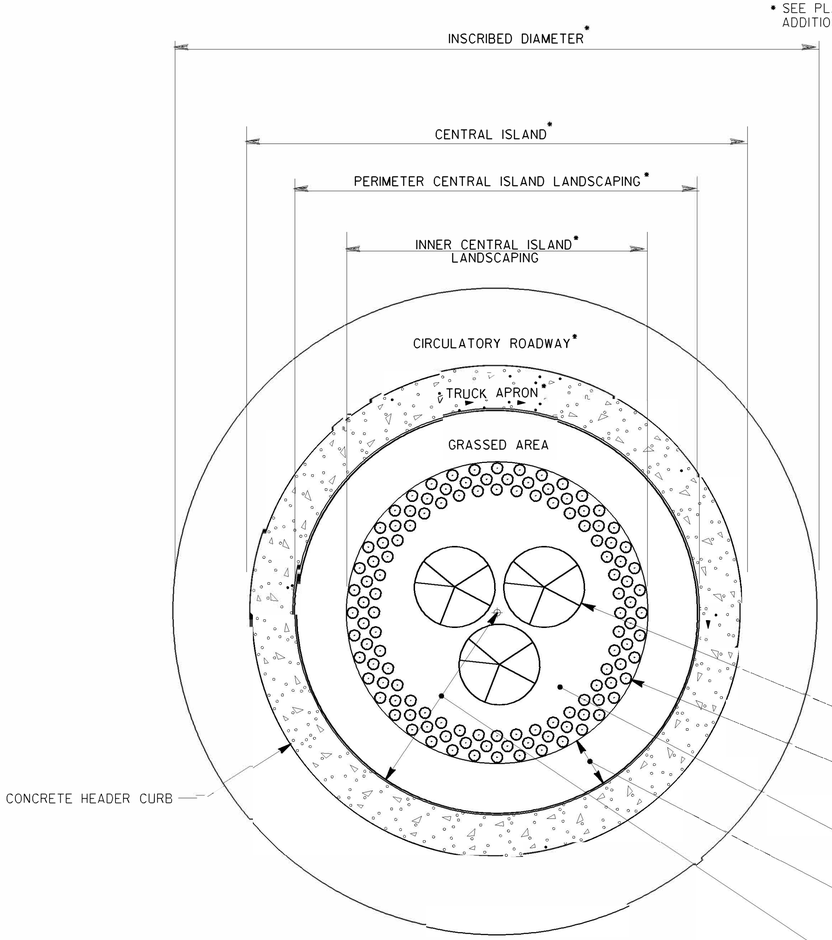
REVISION DATES

UTILITY PLANS
REDWINE RD, PEACHTREE PKWY INTERSECTION
BERNHARD ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		24-0005
VERIFIED:		DATE:		

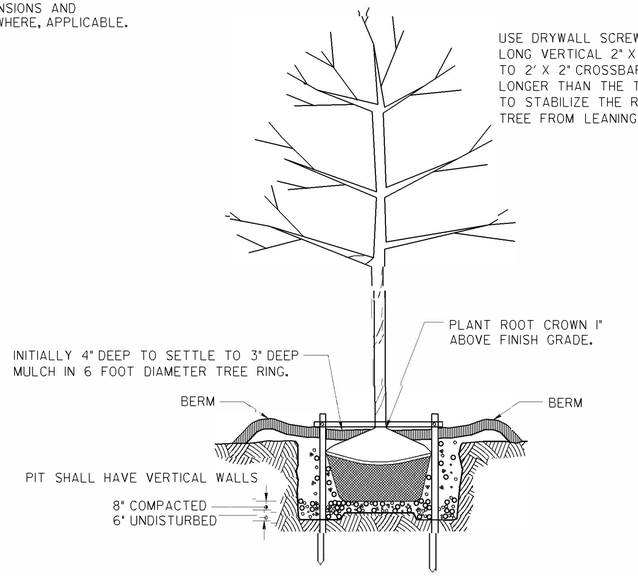
10/23/2015 GPW

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



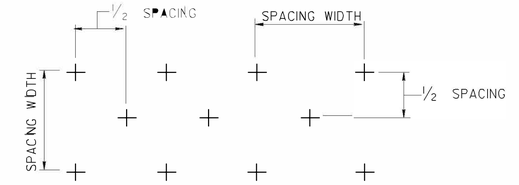
PLANTING LAYOUT

NO SCALE



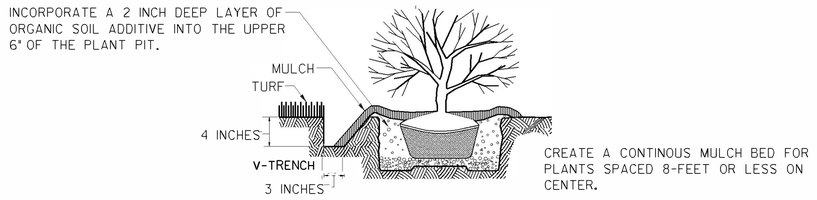
TREE PLANTING DETAIL - ELEVATION

NO SCALE



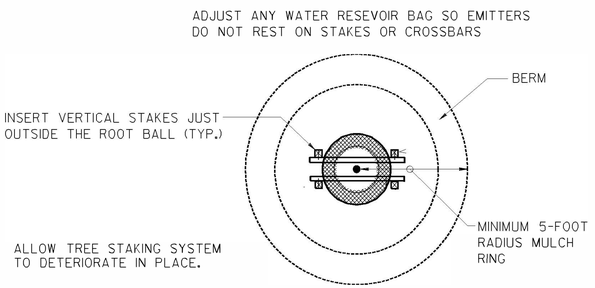
ON CENTER SPACING - STAGGERED ROW

NO SCALE



VINE AND SHRUB PLANTING DETAIL

NO SCALE



TREE PLANTING DETAIL - PLAN

NO SCALE

GENERAL NOTES:

1. SPECIFICATIONS: GEORGIA STANDARD CURRENT EDITION, AND SUPPLEMENTS THERETO.
2. SEE SPECIAL PROVISIONS 700 AND 702 FOR PLANTING REQUIREMENTS.
3. SEE PLAN SHEETS FOR THE WIDTH OF THE PERIMETER CENTRAL ISLAND LANDSCAPING.
4. THE DESIGNER MAY SPECIFY ALTERNATE PLANT MATERIALS WITH PRIOR REVIEW AND APPROVAL BY FAYETTE COUNTY. IF ALTERNATE MATERIALS ARE SPECIFIED, THEY WILL BE DESCRIBED ELSEWHERE IN THE PLANS.

BASIS OF PAYMENT:

PAY ITEM NUMBER	UNIT	PAY ITEM DESCRIPTION	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
150-1000	LS	TRAFFIC CONTROL	-	-	-	-
700-9300	SY	SOD	CYNODON DACTYLON 'TIFWAY 419' SOD	HYBRID BERMUDA GRASS	-	-
702-0212	EA	CRATAEGUS VIRIDIS	CRATAEGUS VIRIDIS 'WINTER KING'	WINTER KING HAWTHORN	3 INCH CALIPER	SPACING AS SHOWN
702-0470	EA	ILEX VOMITORIA	ILEX VOMITORIA 'NANA'	DWARF YAUPON HOLLY	3 GAL	SPACING AS SHOWN
702-9005	LB	SPRING APPLICATION FERTILIZER	SPRING FERTILIZER	FERTILIZER	-	-
702-9025	SY	LANDSCAPE MULCH	-	BLACK HARDWOOD MULCH	-	-

DATE	REVISION	BY

FAYETTE COUNTY

CONSTRUCTION DETAIL

ROUNDABOUT LANDSCAPING DETAILS

NO SCALE APRIL 2022