



DAWSON COUNTY GOVERNMENT

INVITATION FOR BID

FOR

**HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD
ROUND-ABOUT**

SUBMISSIONS ARE DUE AT THE ADDRESS SHOWN BELOW NO LATER THAN

OCTOBER 7, AT 10:30AM, EST

DAWSON COUNTY BOARD OF COMMISSIONERS
ATTENTION: PURCHASING MANAGER
25 JUSTICE WAY, SUITE 2223
DAWSONVILLE, GA 30534

BID # 372-20

THE RESPONSIBILITY FOR SUBMITTING A RESPONSE TO THIS IFB ON OR BEFORE THE STATED DATE AND TIME WILL BE SOLELY AND STRICTLY THE RESPONSIBILITY OF THE OFFEROR.

ISSUE DATE: SEPTEMBER 9, 2020

DAWSON COUNTY BOARD OF COMMISSIONERS

HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD ROUND-ABOUT

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DAWSON COUNTY, GEORGIA
Purchasing Department
25 Justice Way, Suite 2223
Dawsonville, Georgia 30534
Phone: 706-344-3500 x.42223; Email: mhawk@dawsoncounty.org

SEPTEMBER 9, 2020
INVITATION TO BIDDERS

This is an invitation to submit a bid to Dawson County for materials and labor to construct a round-about at Harry Sosebee Road and Lumpkin Campground Road, indicated herein. Details are listed under Section II. Sealed bids will be received by the office of the Purchasing Manager at 25 Justice Way, Suite #2223, Dawsonville, GA 30454.

Instructions for preparation and submission of a bid/proposal are contained in this packet. Electronic packets may be found at <https://vrapp.vendorregistry.com/Bids/View/BidsList?BuyerId=1bac094c-9726-497e-943b-141544ec4bd4>. Submissions must be typed or printed in ink. Prices submitted as a result of this invitation must include the Vendor Price Proposal Form and be returned in a sealed envelope or container marked, as Sealed Bid with the applicable Proposal Name and Proposal Number on the outside. The offer may not be considered unless so received. Proposals must be submitted no later than 10:30 a.m., October 7, 2020, Tentative award date of the contract is November 15, 2020, at 6:00 pm.

There will be a pre-bid meeting held in the Dawson County Government Center, in the Assembly Room, located at 25 Justice Way, Dawsonville, GA 30534, at 10:00 a.m., September 22, 2020. All questions/comments that may arise from this invitation must be submitted in writing and emailed to the Purchasing Manager at mhawk@dawsoncounty.org no later than September 28, 2020, at 1:00 p.m. All questions and answers will be posted to the County website and the Georgia Procurement Registry no later than October 1, at 1:00 p.m. Answers to question submitted that materially change the conditions and specifications of this invitation will be promulgated to the County website and the Georgia Procurement Registry. Any discussions or documents will be considered non-binding unless incorporated and publicized in an addendum.

Dawson County provides equal opportunity for all businesses and does not discriminate against any person or business because of race, color, religion, sex, national origin and handicap or veteran status. This policy ensures all segments of the business community have access to supplying the goods and services need by Dawson County. Dawson County does not guarantee a minimum/maximum value for this contract.

Sincerely,
Melissa Hawk
Purchasing Manager

**INVITATION FOR BID
FOR
HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD ROUND-ABOUT**

SECTION I – GENERAL OVERVIEW

A. INFORMATION TO PROPOSERS

1. BID SUBMISSION

The offerors shall package and seal its submittal so that they will not be damaged in mailing. One (1) original of the complete signed submittal must be received, **OCTOBER 7, 2020, AT 10:30AM, EASTERN STANDARD TIME**. Bids must be submitted in a sealed envelope stating on the outside, the vendor's name, address, **Bid #372-20 HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD ROUND-ABOUT** and delivered to:

Dawson County Board of Commissioners
Attention: Purchasing Ma
25 Justice Way, Suite 2223
Dawsonville, GA 30534

Hand Delivery

Hand delivered copies may be brought to the above address between the hours of 8:00AM and 5:00PM EST, Monday through Friday, excluding Holidays. For a complete listing of Holidays, please visit www.dawsoncounty.org. If a sealed bid is delivered after 10:25 a.m., on the day of the opening, deliver the package to the Purchasing Manager, in the County Administration Training Room, Suite #2204. No submission will be accepted after 10:30 a.m. on the day of the opening, at which time all company names of offers received will be publically read aloud.

GPS Location

Some GPS systems cannot locate the above-named address. Proposers may search the following address if trying to visit the Dawson County Government Center: 25 Tucker Avenue, Dawsonville, GA 30534. Tucker Avenue is located on the East side of the Government Center. Upon arrival, please continue one block West on Shoal Creek Road to Justice Way. Parking for the Government Center is available off of Justice Way. Proposers should verify address is in Dawson County and not a surrounding community.

Coordinates: 34°25'23.08"N 34°25'23.08N 84°07'12.05

Proposers are responsible for informing any commercial delivery service, if used, of all delivery requirements and for ensuring that the required address information appears on the outer wrapper or envelope used by such service. NOTE: *Many*

express mail and delivery services do not guarantee overnight by noon to Dawson County.

The Submittal must be signed by a company officer who is legally authorized to enter into a contractual relationship in the name of the proposer.

2. CONTACT PERSON

Vendors are encouraged to contact **Melissa Hawk, Purchasing Manager at (706) 344-3501, by fax at (706) 531-2728 or email mhawk@dawsoncounty.org** to clarify any part of the IFB requirements. All questions that arise prior to the DEADLINE FOR QUESTIONS due date shall be directed to the contact person in writing via facsimile or email. Any unauthorized contact shall not be used as a basis for responding to this IFB and also may result in the disqualification of the vendor's submittal.

Vendors may not contact any elected official or other county employee to discuss the bid process or bid opportunities except: 1) through the Purchasing Manager named herein, or 2) as provided by existing work agreement(s). This policy shall be strictly enforced and the County reserves the right to reject the submittal of any vendor violating this provision.

3. ADDITIONAL INFORMATION/ADDENDA

Dawson County will issue responses to inquiries and any other corrections or amendments it deems necessary in written addenda issued prior to the due date posted on the county's website under the bid information. Vendors should not rely on any representations, statements or explanations other than those made in this IFB or in any addendum to this IFB. Where there appears to be a conflict between the IFB and any addenda issued, the last addendum issued will prevail. Vendors are advised to check the website for addenda before submitting their bids.

Vendors must acknowledge any issued addenda by including Attachment B-Addenda Acknowledgement with the submittal. Proposals which fail to acknowledge the vendor's receipt of any addendum will result in the rejection of the offer if the addendum contains information which substantively changes the Owner's requirements

4. LATE SUBMITTAL AND LATE MODIFICATIONS

Submittals received after the due date and time will not be considered. Modifications received after the due date will not be considered. Dawson County Government assumes no responsibility for the premature opening of a proposal not properly addressed and identified, and/or delivered to the proper designation.

5. REJECTION OF PROPOSALS/CANCELLATION

Dawson County Government reserves the right to reject any and all submittals and reserves the right to waive any irregularities or informalities in any submittal or in the submittal procedure, when to do so would be to the advantage of Dawson County. Dawson County reserves the right to cancel this IFB at any time.

6. MIMINUM IFB ACCEPTANCE PERIOD

Submittals shall be valid and may not be withdrawn for a period of 90 days from the date specified for receipt of submittals.

7. NON-COLLUSION AFFIDAVIT

By submitting a response to this IFB, the vendor represents and warrants that such proposal is genuine and not a sham or collusive or made in the interest or in behalf of any person not therein named and that the vendor has not directly or indirectly induced or solicited any other vendor to put in a sham proposal, or any other person, firm or corporation to refrain from submitting and that the vendor has not in any manner sought by collusion to secure to that vendor any advantage over any other vendor.

By submitting a proposal, the vendor represents and warrants that no official or employee of Dawson County Government has, in any manner, an interest, directly or indirectly in the proposal or in the contract which may be made under it, or in any expected profits to arise there from.

8. COST INCURRED BY VENDORS

All expenses involved with the preparation and submission of the IFB to the Dawson County Board of Commissioners, or any work performed in connection therewith is the responsibility of the vendor(s).

9. BID OPENING

Bids will be opened and read immediately following bid deadline at the physical address stated in this document. A copy of the bid tabulation to the IFB will be posted on the County Website within three (3) days after the IFB has been opened.

10. OPEN RECORDS

All materials submitted in connection with this IFB will be public documents and subject to the O.C.G.A. § 50-18-71, Open Records Act and all other laws of the State of Georgia; and the open records policies of Dawson County Board of Commissioners. All such materials shall remain the property of Dawson County and will not be returned to the respondent. Should you believe that your bid contains any trade secrets you must submit an affidavit, along with the bid/proposal, that states that specific portions of the bid/proposal contain trade secrets as defined by Georgia law (Article 27 of Chapter 1 of Title 10 of the Official Code of Georgia). Furthermore the affidavit must be detailed, citing specifically (citing

paragraphs, articles, provisions, pages, etc.) the portions of the bid/proposal containing any trade secrets. All such materials shall remain the property of Dawson County and will not be returned to the respondent.

11. TAXES

Dawson County Government is tax exempt. No sales tax will be charged on any products or services. Dawson County cannot exempt any other person/vendor from applicable sales taxes that may be required of them in relations to this project. Selected vendor will be provided with Dawson County's Sales and Use Tax Certificate of Exemption number upon request.

12. VENDOR INFORMATION

All submissions shall include a completed vendor information form, current copy of business license and current W-9. Failure to provide this information could result in the disqualification of the vendor from submitting a proposal.

13. INSURANCE

Selected vendor will be required to provide a Certificate of Insurance as proof of liability and workman's compensation insurance while under contract with Dawson County. Workman's Compensation Insurance should be as required by the State of Georgia. General Liability at a minimum should cover \$1,000,000 per incident. Dawson County Board of Commissioners shall be named as additionally insured for the project herein.

14. BONDS

If required, under SECTION II – SCOPE OF WORK of this document any combination of the following bonds may be requested by Dawson County. A five percent (5%) bid bond, a one hundred percent (100%) payment bond, and a one hundred percent (100%) performance bond. All bonds would be payable to Dawson County Board of Commissioners. Failure to submit appropriate bonding will result in automatic rejection of bid. Bonding company must be authorized to do business in Georgia by the Georgia Insurance Commission, listed in the Department of Treasury's publication of companies holding certificates of authority as acceptable surety on Federal bonds and as acceptable reinsuring companies, and have an A.M. Best rating.

15. ANTI-DISCRIMINATION

Dawson County, in accordance with Title VI of the Civil Rights Act of 1964, 42 U.S.C. 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business

enterprises as defined at 49 CFR Part 23 will be afforded full opportunity to submit bids in response to this Invitation for Bid and will not be discriminated against on the grounds of race, color, national origin, sex, handicap/disability in consideration of an award.

By submitting their bids, all bidders certify to Dawson County that they will conform to the provisions of the Federal Civil Rights Act of 1964.

In every contract of over \$10,000 the provisions in 1. and 2. below apply:

1. During the performance of this contract, the contractor agrees as follows:
 - a. The contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex or national origin, except where religion, sex or national origin is a bona fide occupational qualification reasonably necessary to the normal operation of the contractor. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
 - b. The contractor, in all solicitations or advertisements for employees placed by or on behalf of the contractor, will state that such contractor is an equal opportunity employer.
 - c. Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.
2. The contractor will include the provisions of 1. above in every subcontract or purchase order of over \$10,000 so that the provisions will be binding upon each subcontractor or vendor.

Vendors may request this Invitation for Bid in another language by contacting Purchasing Manager, Melissa Hawk, at p) 706-344-3501, f) 706-531-2728 or via email at mhawk@dawsoncounty.org. All bid submissions must be returned in English.

16. GEORGIA SECURITY AND IMMIGRATION COMPLIANCE ACT

Vendors submitting a Qualification package in response to this IFB must provide the following information in the package to indicate compliance with the Georgia Security and Immigration Compliance Act. The form is provided for completion.

- A. A statement that indicates the contractor will conduct itself in compliance with O.C.G.A. §13-10-91 and Rule 300-10-.02 in the execution of the contract.
- B. By completing the affidavit that is provided with this solicitation, the vendor is attesting to the following:
 - a. The affiant has registered with and is authorized to use the federal work authorization program;

- b. The user identification number and date of authorization for the affiant;
- c. The affiant is using and will continue to use the federal work authorization program throughout the contract period;
- d. Any employee, contractor, or subcontractor of such contractor or subcontractor shall also be required to satisfy the requirements set forth in this paragraph; and
- e. Upon contracting with a new subcontractor, a contractor or subcontractor shall notify Dawson County and shall deliver a completed Subcontractor Affidavit to Dawson County within five (5) working days of entering into a contract or agreement of hire with the subcontractor before the new subcontractor begins any work.

C. Failure to provide the completed and notarized affidavit with the contractor's proposal will result in immediate disqualification as required by the Georgia Security and Immigration Compliance Act.

17. GRATUITIES

Dawson County acknowledges that it may be customary to provide gifts to employees or departments. However, it shall be unethical for any County employee involved in making procurement decisions to have personal investments in any business entity that creates a conflict between their private interests and their public duties.

It shall be unethical for any person to offer, give, or agree to give any Dawson County employee, or for any Dawson County employee to solicit, demand, accept, or agree to accept from any vendor or business, a gift or gratuity in any amount in exchange for any decision, approval, disapproval, or recommendation concerning a solicitation.

SECTION II – GENERAL CONDITIONS

A. PURPOSE AND BACKGROUND

Dawson County Purchasing Department is soliciting sealed bids from licensed, qualified vendors with demonstrated competence and experience to provide all labor and materials required to construct a turn-key a round-about at the intersection of Lumpkin Campground Road, Lee Castleberry Road and the realigned Harry Sosebee Road, including sewer and storm water infrastructure. Detailed specifications are detailed under this Section.

All drawings enclosed were designed by Ensite Civil Consulting, LLC. This project will be performed using all applicable Federal, State and Local codes, GDOT, Etowah Water & Sewer Authority Construction standards and specifications, latest editions.

The county is interested in receiving pricing for two options to fulfil the contract. Option one (1) will include road closures. Option two (2) will be based on phase completion. The county is requiring that a construction schedule containing a phasing option plan created by the bidder is included with the bid submission. This plan should show detailed cost and completion schedule with each phase.

B. CONTRACT PERIOD

The initial term of a contract awarded as a result of this Invitation for Bid shall be from date of award through acceptance of the project from the County. The project shall be completed within eight (8) months of the start date contained within the Notice to Proceed letter to be issued after award.

The contract shall terminate absolutely and without further obligation at such time as appropriated and otherwise unobligated funds are no longer available to satisfy the obligations of the County under this contract.

If, at any time, the County determines it is in its best interest to discontinue use of these services the County reserves the right to cancel this Agreement by giving thirty (30) days advance written notice.

Dawson County will not incur any costs as a result of preparation of a response for this IFB.

C. SCOPE OF WORK

Contractors must be qualified to perform the scope of work listed below. Qualifications include at a minimum of five (5) years' experience paving as specified in the options listed.

Contractor shall be prequalified through the Georgia Department of Transportation (GDOT) and shall submit the GDOT certificate with their response

Contractor Responsibilities

Perform all directions as specified on the enclosed drawings beginning on page 77

This includes but, not limited to:

- a. Phasing (If necessary)
- b. Traffic Control
- c. Surveying
- d. Clearing and Grubbing
- e. Erosion Control
- f. 3rd Party Inspections
- g. Any and all Utility coordination and relocation
- h. Grading

- i. Storm Sewer (contractor is to incur all costs associated with the installation of the arch culvert)
- j. Water
- k. Sanitary Sewer
- l. Curb and Gutter
- m. Interior Concrete
- n. Asphalt Paving & Striping
- o. Sidewalk
- p. Landscaping

The county does not want a photometric plan performed. There is no lighting for this project.

County Responsibilities

Acquire all necessary permits for construction, including local and Corps.

Scheduling and Delivery

The Contractor must provide the crew manned by the number necessary to complete the task.

The Contractor will attend a pre-construction meeting with County and GDOT staff to determine start date, timetable coordination and all other pertinent information.

Management Agent/Employees

The Vendor shall assign a main point of contact that will be responsible for the project.

Each employee working on the project must be clearly identifiable with a company uniform and badge/work identification card.

Warranty

Contractor shall provide a one (1) year warranty on all work completed.

The bid is to contain contact information of the individual/firm who will be responsible for the warranty repairs of the new units.

Completing the Vendor's Price Proposal Form

1. Vendors must provide pricing on the **Vendor's Price Proposal Form** included in this document.
2. If a vendor does not wish to bid a certain item the response of "**No Bid**" is appropriate. This does not disqualify vendors. Dawson County will look at the totality of each proposal.
3. Where errors or omissions result in discrepancies in bid totals, prices per unit as submitted will be binding.

4. Due to the nature of this material it is *vital* that all material arrive on or before the proposed number of delivery days stated in the Price Proposal Sheet. Time is of the essence and is an essential element of this IFB.

Payment

1. Upon inspection and acceptance of all goods, amount due shall be eligible for payment.
2. Vendor must furnish delivery receipt with invoice identifying that order has been delivered in accordance with specifications, quantities, and price set forth on the original order. A Dawson County employee's signature must appear on the delivery receipt or invoice.
3. Dawson County is tax exempt. A Tax Exemption certificate will be provided upon award.
4. Dawson County cannot exempt others from taxes. Vendor must pay taxes as applicable by law.
5. Dawson County reserves the right to deduct from payment any monies owed to Dawson County by the vendor.
6. Itemized all invoices in full. Show payment terms, reference Purchase Orders (if applicable).
7. 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 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 be determined by the department.
8. Upon inspection and acceptance of all items, amount due shall be eligible for payment. Bids that require a down payment or mid-payment are not acceptable.
9. Final payment will be based upon actual in-place products and upon acceptance by the County.
10. Dawson County pays on a NET/30 term based on date correct invoice received by our Accounts Payable Department. All invoices should be sent to:

Dawson County Board of Commissioners
ATTN: Accounts Payable
25 Justice Way, Suite 2220
Dawsonville, GA 30534
cmcmillon@dawsoncounty.org

11. Proof of Licensing: Contractor shall submit proof of professional license, insurance and business license at time of submittal as it relates to the Scope of Work defined herein.

The business license will be the current license your business operates, if you are out of county, this will not be a Dawson County business license.

12. The successful vendor must hold a valid Business License at time of proposal and a copy must be filed with the Purchasing Manager at time of proposal. If awarded to an out-of-county vendor, that vendor must register their business license with the Dawson County Planning and Development Department within 10 days of award. Fees may apply and are not a part of this agreement. *Note: Only the successful vendor needs to register with Dawson County Planning and Development Department. As of January 1, 2017, there is not a registration fee.*

D. ADMINISTRATION

The contract will be administered by the Purchasing Manager with the Dawson County Public Works Director or designee being the main point of contact for all questions during the term of the contract.

E. PROCEDURES AND MISCELLANEOUS ITEMS

1. All questions shall be submitted in writing (e-mail is acceptable) and shall be communicated in the form of an addenda if the scope specifications are to be affected and posted on the County's website under the bid information, all firms responding to this IFB should check the website before responding to this IFB.
2. All respondents to this IFB shall indemnify and hold harmless the Dawson County Board of Commissioners, and any of their officers and employees from all suits and claims alleged to be a result of this IFB. The issuance of this IFB constitutes only an invitation to present a proposal. The Dawson County Board of Commissioners reserves the right to determine, at its sole discretion, whether any aspect of a respondent's submittal meets the criteria in this IFB. The Dawson County Board of Commissioners also reserves the right to seek clarifications, to negotiate with any vendor submitting a response, to reject any or all responses with or without cause, and to modify the procurement process and schedule. In the event that this IFB is withdrawn or the project canceled for any reason, the Dawson County Board of Commissioners shall have no liability to any respondent for any costs or expenses incurred in connection with this IFB or otherwise.
3. The IFB is subject to the provisions of the Dawson County Purchasing Policy and any revisions thereto, which are hereby incorporated into this IFB in their entirety except as amended or superseded herein.
4. Failure to submit all the mandatory forms from this IFB package shall be just cause for the rejection of the qualification package. However, Dawson County reserves the right to decide, on a case by case basis, in its sole discretion, whether or not to reject such a bid as non-responsive.
5. Any payment terms requiring payment in less than 30 days will be regarded as requiring payment 30 days after invoice or delivery, whichever occurs last. This shall not affect offers of discounts for payment less than 30 days, however.

6. In case of failure to deliver goods in accordance with the contract terms and conditions, Dawson County, after due oral or written notice, may procure substitute goods or services from other sources and hold the Vendor responsible for any resulting additional purchasing and administrative costs. This remedy shall be in addition to any other remedies which Dawson County may have.
7. By submitting a qualification package, the vendor is certifying that they are not currently debarred from bidding on contracts by any agency of the State of Georgia, nor are they an agent of any person or entity that is currently debarred from submitting bids on contracts by any agency of the State of Georgia.
8. Any contract resulting from this IFB shall be governed in all respects by the laws of the State of Georgia and any litigation with respect thereto shall be brought in the courts of the State of Georgia. Then Vendor shall comply with applicable federal, state, and local laws and regulations.
9. It is understood and agreed between the parties herein that Dawson County shall be bound hereunder only to the extent of the funds available or which may hereafter become available for the purpose of this agreement.
10. Each proposal should be prepared simply and economically, avoiding the use of elaborate promotional materials beyond those sufficient to provide a complete presentation. The cost for developing the submittal is the sole responsibility of the respondent.

F. BONDS

- Bid Bond – 5%
- Payment Bond – 100%
- Performance Bond – 100%

G. DETERMINATION OF SUCCESSFUL BIDDER

The contract will be awarded to the lowest responsive, responsible Bidder, if awarded.

a. Responsibility

The determination of the Bidder's responsibility will be made by the County based on whether the Bidder:

- maintain a permanent place of business.
- has the appropriate technical experience, where applicable.
- has adequate plant and equipment to do the work properly and expeditiously and has suitable financial means to meet obligations incidental to this work, where applicable.

The Bidder shall furnish, to the County, all such information and data for this purpose as the County may request.

b. Responsiveness

The determination of responsiveness will be made by the County based on a consideration of whether the Bidder has submitted a complete proposal form

without irregularities, excisions, special conditions, or alternative bids for any time unless specifically requested on the proposal form.

H. FINAL SELECTION

Following review of all qualified offers, a recommendation will be made to the Dawson County Board of Commissioners by the project representative. Following Commission approval, the County will complete the contract process.

The Dawson County Board of Commissioners reserves the right to accept the response that is determined to be in the best interest of the County. The County reserves the right to reject any and or all proposals. It is the intent of the County to award all services to one (1) Contractor.

Every vendor submitting a proposal must complete the forms showing compliance with the **GEORGIA SECURITY AND IMMIGRATION COMPLIANCE ACT OCGA §13-10-90**. The forms are provided with this IFB package.

SECTION III – GENERAL TERMS

A. DEFINITION

Where used in the project manual, the following words and terms shall have the meanings indicated. The meanings shall be applicable to the singular, plural, masculine and feminine of the words and terms.

Acceptance. Formal action of the Owner in determining that the Contractor's work has been completed in accordance with the contract and in notifying the Contractor in writing of the acceptability of the work.

Act of God. A cataclysmic phenomenon of nature, such as a hurricane, earthquake, or abnormal flood. Rain, wind, high water, or other natural phenomenon which might reasonably have been anticipated from historical records of the general locality of the work shall not be construed as acts of God.

Addenda. Supplemental written specifications or drawings issued prior to execution of the contract which modify or interpret the project manual by addition, deletion, clarification, or corrections.

Bid. Offer of a bidder submitted on the prescribed form setting forth the price or prices of the work to be performed.

Bidder. Individual, partnership, corporation, or a combination thereof, including joint ventures, offering a bid to perform the work.

Contract. The writings and drawings embodying the legally binding obligations between the Owner and the Contractor for completion of the work; Contract Documents attached to the Contract and made a part thereof as provided herein.

Contract Documents. The Contract, Addenda (which pertain to the Contract Documents), Contractor's Bid (including documentation accompanying the Bid and any post Bid documentation submitted prior to the Notice of Award), the Notice to Proceed, the Bonds, these General Conditions, the Special Conditions, the Specifications and Drawings, together with all Written Amendments, Change Orders, Work Change directives, Field Orders, and Drawing submittals.

Contract Drawings. The drawings which show the scope, extent, and character of the work to be furnished and performed by the Contractor and which have been prepared and reviewed by the Engineer/Architect/Architect and are referred to in the Contract Documents.

Contract Price. Amount payable to the Contractor under the terms and conditions of the contract. Based on the price given on the bidding schedule, with adjustments made in accordance with the contract. The base amount given in the bidding schedule shall be either a lump sum bid or the summation of the unit price bids multiplied by the estimated quantities set forth in the bid form.

Contract Time. Number of calendar days stated in the contract for the completion of the work or portions thereof.

Contractor. The individual, partnership, corporation, or combination thereof, including joint ventures that enter into the contract with the Owner for the performance of the work. The term covers subcontractors, equipment and material suppliers, and their employees.

Contractor's Plant and Equipment. Equipment, material, supplies, and all other items, except labor, brought onto the site by the Contractor to carry out the work, but not to be incorporated in the work. The Owner will make available to the Contractor, for his plant, equipment and storage, only the area indicated on the Site Plan within the limits of the work. The Contractor shall confine his operations to his allotted areas to avoid interference with the Building's normal and continued operation. The Contractor's and subcontractor's personnel shall not be permitted to park their cars on Owner's property except in the area designated for construction. The General Contractor shall see that this restriction is enforced.

Contract Technical Representative. The day-to-day County Representative designated by the Owner.

County. Owner.

Day. Calendar day.

Defective. An adjective which when modifying the word “work” refers to work, including but not limited to the furnishing of materials, that is unsatisfactory, faulty, deficient, or performed in a non-workmanlike manner, in that it does not conform to or meet the requirements of the Contract, any inspection, reference standard, test or approval referred to in the Contract, or has been damaged prior to a recommendation of final payment.

Direct. Action of the Owner by which the Contractor is ordered to perform or refrain from performing work under the contract.

Directive. Written documentation of the actions of the Engineer/Architect/Architect or the Owner in directing the Contractor.

Engineer/Architect/Architect. Whenever the word “Engineer/Architect” and/or “Architect” is used in the contract, it shall be understood as referring to the Engineer/Architect/Architect of the Owner, or such other Engineer/Architect/Architect, supervisor, or inspector as may be authorized by the Owner to act in any particular area of the Contract.

Equipment. Mechanical, electrical, instrumentation, or other device with one or more moving parts, or devices requiring an electrical, pneumatic, electronic, or hydraulic connection.

Furnish. To deliver to the job site or other specified location any item, equipment, or material.

Herein. Refers to information presented in the project manual.

Holidays. Legal holidays designated by the Owner.

Install. Placing, erecting, or constructing complete in place any item, equipment, or material.

May. Refers to permissive actions.

Owner. Dawson County Board of Commissioners, Dawsonville, Georgia.

Person. The term, person, includes firms, companies, corporations, partnerships, and joint ventures.

Project. The undertaking to be performed under the provisions of the contract.

Project Manual. Those contract documents prepared for bidding and as amended by addenda.

Provide. Furnish and install, complete in place.

Punch List. List of incomplete items of work and of items of work which are not in conformance with the contract. The list will be prepared by the Engineer/Architect when the Contractor (1) notifies the Engineer/Architect in writing that the work has been completed in accordance with the contract and (2) requests in writing that the Owner accept the work.

Shall. Refers to actions by either the Contractor or the Owner and means the Contractor or Owner has entered into a covenant with the other party to do or perform the action.

Shown. Refers to information presented on the drawings, with or without reference to the drawings.

Specifications. That part of the contract documents consisting of written descriptions of the technical features of materials, equipment, construction system, standards, and workmanship. Titles of sections and paragraphs in these contract documents are introduced merely for convenience and shall not be taken as a complete segregation of the various units of materials and labor. Reference to the Standards of any technical society, organization or association or to codes of local or state authorities, shall mean the latest standard, code, specifications, or tentative standard adopted and published at the date of taking bids, unless specifically stated otherwise.

Specify. Refers to information described, shown, noted, or presented in any manner in any part of the contract.

Submittals. The information which is specified for submission to the Owner in accordance with Division of the project manual.

Substantial Completion. Sufficient completion of the project or the portion thereof to permit utilization of the project, or portion thereof for its intended purpose. Substantial completion requires not only that the work be sufficiently completed to permit utilization, but that the Owner can effectively utilize the substantially completed work. Determination of substantial completion is solely at the discretion of the Owner. Substantial completion does not mean complete in accordance with the contract nor shall substantial completion of all or any part of the project entitle the Contractor to acceptance under the contract.

Substantial Completion Date. Date shown on the certificate of Substantial Completion.

Will. Refers to actions entered into by the Contractor or the Owner as a covenant with the other party to do or to perform the action.

Work. The labor, materials, equipment, supplies, services, and other items necessary for the execution, completion, and fulfillment of the contract.

B. ROYALTIES AND PATENTS

The Contractor shall pay all royalties and license fees and assume all costs incident to the use in the performance of the work or the incorporation in the work of any invention, design, process, product, or device which is the subject of the patent rights or copyrights held by others. He shall defend all suits or claims for infringement of any patent rights and shall hold harmless the Owner, its officers, employees, and agents from loss on account thereof, except that the Owner shall be responsible for all such loss when a particular manufacturer, product, or process is specified by the Owner and properly installed by the Contractor pursuant to the manufacturer's specifications.

C. VERBAL AGREEMENTS

No verbal agreement or conversation with any officer, agent, or employee of the Owner either before or after execution of this Contract shall affect or modify any of the terms of obligations contained in any of the documents comprising said Contract.

D. GENERAL WARRANTY AND GUARANTEE

The Contractor shall warrant and guarantee the work required under this Contract for a period of one (1) year from the date of Final Acceptance. The Contractor warrants and guarantees to Owner, that materials and equipment furnished under the Contract shall be of good quality and new unless otherwise required or permitted by the Contract Documents, that all work will be in accordance with the Contract Documents, and that all work will be of good quality, free from faults and defects. Work not conforming to these requirements, including substitutions not properly approved and authorized, may be considered defective. If required by the Owner, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment.

The Contractor's obligation to perform and complete the work in a workmanlike manner, free from faults and defects and in accordance with the Contract Documents shall be absolute. The Contractor shall remedy, at his own expense, and without additional cost to the Owner, all defects arising from either workmanship or materials, as determined by the Owner, or Owner's representative. The obligations of the Contractor under this Paragraph shall not include normal wear and tear under normal usage.

E. INDEMNITY

To the fullest extent permitted by laws, statutes, rules and regulations, the Contractor shall indemnify and hold harmless the County, Engineer/Architect, Engineer/Architect's Consultants and the Officers, Directors, Employees, Agents, and other Consultants of

each and any of them from and against claims, costs, damages, losses, and expenses, including but not limited to all fees and charges of Engineer/Architects, architects, attorneys and other professionals and all court costs, arising out of or resulting from performance of the work, but only to the extent caused in whole or in part by negligent, reckless, willful and wanton, or wrongful acts or omissions of the Contractor, its Officers, Directors, Employees, Agents, and anyone directly, or indirectly employed by them or anyone for whose acts they may be liable, regardless of whether or not such claim, cost, damage, loss, or expense is caused in part by a party indemnified hereunder, except that no party shall indemnify any other party or person for their own sole negligence.

Such obligation shall not be construed to negate, abridge or reduce other rights or obligations of indemnity which would otherwise exist as to a party or person described in this Paragraph.

Comprehensive General Liability -The successful Bidder shall exercise proper precaution at all times for the protection of persons and property. He shall carry approved insurance from insurance companies authorized to do business in Georgia and having an A.M. Best's rating of B+ or better with the following minimums:

***The limits of insurance are as follows:**

- a) general liability insurance of at least One Million (1,000,000) Dollars (Combined Single Limit per occurrence) and Two Million (2,000,000) Dollars aggregate;
- b) automobile insurance of at least One Million (1,000,000) Dollars (Combined Single Limit per accident for bodily injury or property damage); and
- c) Workers' Compensation Insurance as will protect potential bidder or offerer from Worker's Compensation Acts

F. BUSINESS LICENSE

Contractors and subcontractors shall have a current Occupation Tax Certificate, and shall furnish certificate and license numbers prior to entering into a contract with the Owner.

G. OBLIGATIONS AND LIABILITY OF THE CONTRACTOR

The Contractor shall do all the work and furnish all the materials, tools, and appliances, except as herein otherwise specified, and everything necessary for properly performing and completing the work required by the Contract, in the manner and within the time specified. He shall complete the entire work to the satisfaction of the Owner, and in accordance with the Specifications and Plans herein mentioned, at the prices herein agreed upon and fixed therefore.

All the work labor and materials to be done and furnished under this Contract shall be done and furnished strictly pursuant to, and in conformity with, the Contract Documents, and the directions of the Owner as given from time to time during the progress of the work, under the terms of this contract.

All loss or damage arising out of the performance or nature of the work, or any damage to the work itself to be done under this contract or from any unforeseen obstruction or difficulties which may be encountered in the prosecution of the same, or from the action of the elements or from any cause or causes whatsoever, until the same shall have been finally accepted, shall be sustained and paid for by the Contractor.

The Contractor shall coordinate his operations with those of any other contractors who may be employed on other work of the Owner and shall avoid interference therewith and cooperate in the arrangements for storage of materials.

The Contractor shall conduct his work so as to interfere as little as possible with private business and public travel. He shall, at his own expense, wherever necessary, or required, maintain fences, furnish watchmen, maintain lights, and take such other precautions as may be necessary to protect life and property.

The Contractor shall take all responsibility for the work done under this Contract, for the protection of the work, and for preventing injuries to persons, and damage to property and utilities on or about the work.

He shall in no way be relieved of his responsibility by any rights of the Owner, its officers, employees and agents to give permission or issue orders relating to any part of the work, or by any such permission given or orders issued, or by failure of the Owner, its officers, employees and agents to give such permission or issue such orders. The Contractor shall bear all losses resulting to him or to the Owner, its officers, employees and agents on account of the amount or character of the work, or because of the nature of the land in or on which the work is done is different from what was estimated or expected, or on account of the weather elements or other causes. The Contractor shall assume the defense of all claims arising out of injury or damage to persons, corporations, or property, whether said claims arise out of negligence or not, or whether said claims are for unavoidable damage or not, and from all claims relating to labor and materials furnished for the work and from all expenses incurred in defending or settling such claims, including reasonable attorney's fees.

The Contractor shall so conduct his operations as not to damage existing structures or work installed either by him or by other contractors. In case of any such damage resulting from his own operations, he shall repair and make good as new the damaged portions at his own expense.

The Contractor warrants that he is familiar with the codes applicable to the work and that he has the skill, knowledge, competence, organization, and plant to execute the work promptly and efficiently in compliance with the requirements of the Contract Documents. The Contractor having the obligation to keep a competent

superintendent on the work during its progress, to employ only skilled mechanics, and to enforce strict discipline and good order among his employees, the Contractor, himself is responsible for seeing that the work is installed in accordance with the Contract Documents.

Failure or omission on the part of the Owner, representative of the Owner, agents of the Owner or Project Representative either to discover or to bring to the attention of the Contractor any deviation from, omission from, or non-compliance with the Contract Documents shall not be set up by the Contractor as a defense of failure to his part to install the work in accordance with the Contract Documents or for any other neglect to fulfill requirements of the Contract; nor shall the presence of any one, or all, or any of the foregoing at the site of the fact that any one, or all, or any of the foregoing may have examined the work or any part of it be set up as a defense by the Contractor against a claim for failure on his part to install the work in accordance with the contract documents or for any neglect to fulfill requirements of the contract. No requirement of this contract may be altered or waived except in pursuance of a written order of the Owner and in strict accordance with the provisions of the contract for changes in the work.

H. RESPONSIBILITIES OF THE CONTRACTOR

1. Subcontractors, Manufacturers, and Suppliers.

The Contractor shall be responsible for the adequacy, efficiency, and sufficiency of subcontractors, manufacturers, suppliers and their employees.

2. Contractor's Employees.

The Contractor shall be responsible for the adequacy, efficiency, and sufficiency of his employees. Workers shall have sufficient knowledge, skill, and experience to perform properly the work assigned to them.

3. Payment for Labor and Materials.

The Contractor shall pay and require his subcontractors to pay any and all accounts for labor including Workers Compensation premiums, State Unemployment and Federal Social Security payments, and other wage and salary deductions required by law. The Contractor also shall pay and cause his subcontractors to pay any and all accounts for services, equipment, and materials used by him and his subcontractors during the performance of work under this contract. Such accounts shall be paid as they become due and payable. If requested by the Owner, the Contractor shall furnish proof of payment of such accounts to the Owner.

4. Attention to Work.

The Contractor, acting through his representative, shall give personal attention to and shall manage the work so that it shall be prosecuted faithfully. When his representative is not personally present at project site, his designated alternate shall be available and shall have the authority to act on the contract.

5. Employee Safety.

The Contractor alone shall be responsible for the safety of his and his subcontractor's employees. The Contractor shall maintain the project site and perform the work in a manner which meets the Owner's responsibility under statutory and common law for the provision of a safe place to work.

6. Public Safety and Convenience.

The Contractor shall conduct his work so as to insure the least possible obstruction to traffic and inconvenience to the general public and the residents in the vicinity of the work and to insure the protection of persons and property. No road or street shall be closed to the public except with the permission of the Owner. Fire hydrants on or adjacent to the work shall be accessible to firefighting equipment. Temporary provisions shall be made by the Contractor to insure the use of sidewalks, private and public driveways, and proper functioning of gutters, sewer inlets, drainage ditches and culverts, irrigation ditches and natural water courses.

7. Cooperation with the Construction Inspector.

The Contractor, when requested, shall assist the Construction Inspector in obtaining access to work which is to be inspected. The Contractor shall provide the Construction Inspector with information requested in connection with the inspection of the work.

I. COMPLIANCE WITH LAWS

The Contractor shall keep himself fully informed of all existing and future State and Federal Laws, all regulations of the various departments or agencies of the State of Georgia, and local ordinances and regulations in any manner affecting those engaged or employed in the work, or the materials used in the work, or in any way affecting the conduct of the work and of all such orders and decrees of bodies or tribunals having any jurisdiction or authority over the same. If any discrepancy or inconsistency is discovered, in the Plans, Drawings, Specifications, or Contract for this work in relation to any such law, ordinance, regulations, order, or decree, he shall forthwith report the same to the Engineer/Architect and Owner in writing.

He shall at all times himself observe and comply with, and cause all his agents and employees to observe and comply with, all such existing and future laws, ordinances, regulations, orders, and decrees; and shall protect and indemnify the Owner, its officers, employees and agents against any claim or liability arising from or based upon violation of any such law, ordinance, regulation, order, or decree, whether by himself or his employees or any subcontractor.

J. RIGHTS OF VARIOUS INTERESTS

Wherever work, being done by the Owner's forces or by other Contractors, is contiguous to work covered by this Contract, the respective rights of the various interests involved shall be established by the Owner, to secure the completion of the various portions of the work in general harmony.

K. EQUAL EMPLOYMENT OPPORTUNITY

There shall be no discrimination against any employee who is employed in the work covered by this Agreement, or against any applicant for such employment because of race, color, religion, sex or national origin. This provision shall include, but is not limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates or pay or their forms of compensation, and selection for training, including apprenticeship.

L. SAFETY AND HEALTH REGULATIONS

The Contractor shall comply with the Department of Labor, Safety and Health Regulations for Construction promulgated under the Occupational Safety and Health Act of 1970, as amended. The Contractor also shall comply with the provisions of the High-Voltage Safety Act of the State of Georgia, O.C.G.A. Section 46-3-30 et. seq., and all federal, state, and local codes, regulations, and standards.

N. PAYMENTS WITHHELD PRIOR TO FINAL ACCEPTANCE

The Owner may withhold or, an account of subsequently discovered evidence, nullify the whole or part of any certificate of payments to such extent as may be necessary to protect himself from loss on account of:

1. Defective work not remedied.
2. Claims filed or reasonable evidence indicating proposed public filing of claims by other parties against the Contractor.
3. Failure of the Contractor to make payments properly to Subcontractors or for material or labor.
4. Damage to another Contractor.

Nothing in this paragraph shall negate, abridge, or alter other grounds for withholding or delaying payment to the Contractor as stated in the Contract.

O. TERMINATION OF CONTRACT

1. **Termination for Convenience of Owner.**

The Owner may, at will, upon written notice to the Contractor, terminate (without prejudice to any right or remedy of the Owner) the whole or any portion of the Work for the convenience of the Owner.

The Contractor in calculating his termination application for payment, shall develop his outstanding costs, including those materials in transit and non-cancellable with the appropriate percentage markups; subcontractors shall follow same procedures. All costs must be substantiated by adequate back-up documentation. The termination will not affect any rights or remedies of the Owner against the Contractor then existing or which may thereafter accrue. Any retention or payment of moneys due to the Contractor by the Owner will not release the Contractor from liability.

2. **Default Termination.**

The Owner may, if in the Owner's sole judgment and upon written notice to the Contractor, terminate (without prejudice to any right or remedy of Owner) the whole or any portion of the Work required by the contract Documents in any one of the following circumstances:

- A. If the Contractor refuses or fails to prosecute the Work, or any separable part thereof, with such diligence as will ensure the Substantial Completion of the Work within the Contract time:

- B.** The Contractor is in material default in carrying out any provisions of this Contract for a cause within its control;
- C.** If the Contractor files a voluntary petition in bankruptcy or a petition seeking or acquiescing in any reorganization, arrangement, composition, readjustment, liquidation, dissolution or similar relief for itself under any present or future federal, state or other statute, law or regulation relating to bankruptcy, insolvency or other relief for debtors;
- D.** If a trustee, receiver or liquidator, is appointed for the Contractor or for all or any substantial part of the property of the Contractor; or if the Contractor makes a general assignment for the benefit of creditors or admits in writing its inability to pay its debts generally as they become due;
- E.** If the Contractor has filed against it a petition in bankruptcy under any present or future federal or state statute, law or regulation relating to bankruptcy, insolvency or other relief for debtors and the same is not discharged on or before forty-five (45) days after the date of the filing thereof; or if the Contractor is adjudged a bankrupt;
- F.** If the Contractor is adjudged a bankrupt, makes a general assignment for the benefit of its creditors, or if a receiver is appointed on account of its insolvency;
- G.** If the Contractor fails to supply a sufficient number of properly skilled workmen or suitable materials or equipment
- H.** If the Contractor fails to make prompt payment to Subcontractors for materials or labor, unless Contractor otherwise provides Owner satisfactory evidence that payment is not legally due;
- I.** If the Contractor persistently disregards laws, ordinances, rules, or regulations or order of any public authority having jurisdiction;
- J.** If the Contractor substantially violates any provision of the Contract Documents; or If, after Contractor has been terminated for default pursuant to Paragraph "B", it is determined that none of the circumstances set forth in Paragraph "B" exist, then such termination shall be considered a termination of convenience pursuant to Paragraph "A". If Owner terminates this agreement for any of the reasons enumerated in Paragraph "B", then the Owner may take possession of the site and of all documents, materials, equipment, tools, construction equipment and machinery thereon owned by the Contractor and may finish the work by whatever method the Owner may deem expedient. In such case, the Contractor shall not be entitled to receive any further payment until the work is finished.

3. Allowable Termination Costs.

If the Owner terminates the whole or any portion of the Work pursuant to Paragraph "A" then the Owner shall only be liable to Contractor for those costs reimbursable to Contractor in accordance with Paragraph "D", plus the cost of settling and paying claims arising out of the termination of Work

under subcontracts or orders, pursuant to Paragraph "D", which are properly chargeable to the terminated portion of the Contract (exclusive of amounts paid or payable on account of completed items of equipment delivered or services furnished by subcontractors or vendors prior to the effective date of the Notice of Termination), which amounts shall be included in the costs payable under Subparagraph "B.1", above, and the reasonable costs of settlement, including accounting, legal, clerical and other expenses reasonably necessary for the preparation of settlement claims and supporting data with respect to the terminated portion of the Contract, together with reasonable storage, transportation and other costs incurred in connection with the protection of disposition of property allocable to this contract.

Provided, however, that if there is evidence that the Contractor would have sustained a loss on the entire Contract had it been completed, no profit shall be included or allowed hereunder and an appropriate adjustment shall be made reducing the amount of the settlement to reflect the indicated rate of loss.

The total sum to be paid to the Contractor under this Paragraph "C" shall not exceed the Contract sum as reduced by the amount of payments otherwise paid, by the Contract price of Work not terminated and as otherwise permitted by this Contract.

Except for normal spoilage, and except to the extent that the Owner shall have otherwise expressly assumed the risk of loss, there shall be excluded from the amounts payable to the Contractor, as provided in this Paragraph "C", the fair value, as reviewed by the Engineer/Architect, determined by the Owner, of property which is destroyed, lost, stolen or damaged so as to become undeliverable to the Owner.

4. General Termination Provisions.

After receipt of a Notice of Termination from the Owner, pursuant to Paragraph "A" or "B", and except as otherwise directed by the Owner, the Contractor shall;

- A. Stop Work under the Contract on the date and to the extent specified in the Notice of Termination;
- B. Place no further orders or subcontracts for materials, services or facilities, except as may be necessary for completion of such portion of the Work under the Contract as is not terminated;
- C. Terminate all orders and subcontracts to the extent that they relate to the performance of Work terminated by the Notice of Termination;
- D. Assign to the Owner in the manner, at the times and to the extent directed by the Owner, all of the right, title and interest of the Contractor under the orders and subcontracts so terminated, in which case the Owner shall have the right, in its sole discretion, to settle or pay any or all claims arising out of the termination of such orders and subcontracts;
- E. Settle all outstanding liabilities and all claims arising out of such termination of orders and subcontracts, with the approval or ratification shall be final for all the purposes of this clause;

- F. Transfer title and deliver to the entity or entities designed by the Owner, in the manner, at the times and to the extent, if any, directed by the Engineer/Architect, and to the extent specifically produced or specifically acquired by the Contractor for the performance of such portion of the work as had been terminated;
 - (1) The fabricated or unfabricated parts, Work in process, partially completed supplies and equipment, materials, parts, tools, dies, jigs and other fixtures, completed Work, supplies and other material produced as part of, or acquired in connection with the performance of, the Work terminated by the Notice of Termination, and
 - (2) The completed or partially completed plans, drawings, information, and other property related to the Work;
- G. Use his best efforts to sell, in the manner, at the times, to the extent and at the price or prices directed or authorized by the Engineer/Architect, and property of the types referred to in Paragraph "D"; provided, however, that the Contractor:
 - (1) Shall not be required to extend credit to any buyer, and
 - (2) May acquire any such property under the conditions prescribed by and at price or prices approved by the Engineer/Architect; and provided further that the proceeds of any such transfer or disposition shall be applied in reduction of any payments to be made by the Owner to the Contractor under this Contract or shall otherwise be credited to the price or cost of the Work covered by this Contract or paid in such other manner as the Engineer/Architect may direct;
- H. Complete performance of such part of the Work as shall not have been terminated by the Notice of Termination; and
- I. Take such action as may be necessary, or as the Engineer/Architect or Owner may direct, for the protection and preservation of the property related to this Contract, which is in the possession of the Contractor, and in which the Owner has or may acquire an interest.

P. LAWS OF GEORGIA

This contract shall be governed by the Laws of the State of Georgia.

If any provision hereof shall be held or deemed to be or shall, in fact, be inoperative or unenforceable as applied in any particular case in any jurisdiction or jurisdictions or in all jurisdictions, or in all cases because it conflicts with any other provision or provisions hereof or any constitution or statute or rule of public policy, or for any other reason, such circumstances shall not have the effect of rendering the remaining provision of this Contract invalid, inoperative or unenforceable.

Q. LIENS

Neither the final payment nor any part of the retained percentage shall become due until the Contractor shall deliver to the Owner a complete release of all claims or liens arising out of this Contract and an affidavit that so far as he has knowledge or information the release and receipts include all the labor and materials for which a lien or claim could be filed; but the Contractor may, if any Subcontractor refuses to furnish a release or receipt in full, furnish an additional bond satisfactory to the Owner, to indemnify the Owner against any claim or lien (in cases where such payment is not already guaranteed by Surety Bond). If any claim or lien remains unsatisfied after all payments are made, the Contractor shall refund to the Owner all monies that the latter may be compelled to pay on discharging such a lien, including all costs and a reasonable attorney's fee.

R. ASSIGNMENT

The Owner shall have the right to reject the assignment or sub-letting of any portion of the Contract by the Contractor. Assigning or sub-letting the Contract shall not relieve the Contractor or his surety from any Contract obligations.

S. JOINT VENTURE CONTRACTOR

In the event the Contractor is a joint venture of two or more contractors, the grants, covenants, provisos and claims, rights, power, privileges and liabilities of the contract shall be construed and held to be several as well as joint. Any notice, order, direct request, or any communication required to be or that may be given by the Engineer/Architect to the Contractor under this contract, shall be well and sufficiently given to all persons being the Contractor if given to any one or more of such persons. Any notice, request, or other communication given by any one of such persons to the Engineer/Architect under this Contract shall also be given to the Owner and shall be deemed to have been given by and shall bind all persons being the Contractor.

R. SUCCESSOR'S OBLIGATIONS

The grants, covenants, provisos and claims, rights, powers, privileges and liabilities obtained in the contract documents shall be read and held as made by and with, and granted to an imposed upon, the Contractor and the Owner and their respective heir, executors, administrations, successors and assigns.

S. EQUAL EMPLOYMENT OPPORTUNITY

There shall be no discrimination against any employee who is employed in the work covered by this Agreement, or against any applicant for such employment because of race, color, religion, sex or national origin. This provision shall include, but is not limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates or pay or their forms of compensation, and selection for training, including apprenticeship.

T. ENVIRONMENTAL IMPACT

The Contractor shall conduct his operations so as to minimize, to the greatest extent possible, adverse environmental impact.

Noise

All equipment and machinery shall be provided with exhaust mufflers maintained in good working order so as to reduce operating noise to minimum levels. In addition, operation of equipment and machinery shall be limited to daylight hours, with no Saturday or Sunday work, except with the permission of the Owner, based on critical need for the operation. The work shall be arranged, scheduled and organized in such a manner and method so as to cause the minimum of interference with the conduct of the adjacent City and County operation. No loud radios, use of drugs, or profanity on project sites. Workman shall be restricted from all buildings other than those in which work is being done. No unmuffled internal combustion engines, pneumatic devices nor pressure relief valves will be permitted.

Dust/Smoke

All equipment movements shall be accompanied by a minimum of dust. Traveled surfaces and earthwork shall be maintained in a moist condition to avoid the generation of dust or the airborne movement of particulate matter under all prevailing atmospheric conditions. Dust causing operations shall be controlled by sprinkling or aspiration.

Burning or refuse or rubbish on or near the site will not be permitted.

Traffic

Trucks carrying spoil, fill, concrete or other materials shall be routed over roads which will result in the least effect on traffic and nuisance to the public. All material shall be loaded in a manner which will preclude the loss of any portion of the load in transit, including covering, if necessary.

Siltation and Erosion

The Contractor shall perform his work to minimize siltation and erosion during construction. All points of concentrated runoff from rainfall shall be visually monitored to determine that no eroded material leaves the construction site. Measures shall be taken promptly to eliminate siltation and erosion, including the installation of dams, detention basins, silt fencing, and other retaining devices. The Contractor shall conduct operations and maintain the work in such condition that adequate drainage shall be in effect at all times.

Use of Chemicals

All chemicals used during construction or furnished for project operation whether herbicide, pesticide, disinfectant, polymer, reactant or other classification, must show approval of either EPA or USDA. Use of all such chemicals and disposal of residues shall be in strict conformance with instructions.

U. USE OF COMPLETED PORTIONS

The Owner may, at any time during progress of the work, after written notice to the Contractor, take over and place in service any completed portions of the work which are ready for service, although the entire work of the Contract is not fully completed, and

notwithstanding the time for completion of the entire work or such portions which may not be expired. In such case, the Engineer/Architect with the Owner's occurrence may issue documents of Substantial Completion for such portions of the work; but such taking possession thereof shall not be deemed an acceptance of any other portions of the work, nor of any uncompleted portions, nor of any work not completed in accordance with the Contract Documents.

V. CONTRACT TIME

General

Time shall be of the essence of the contract. The Contractor shall promptly start the work after the date of the notice to proceed and shall prosecute the work so that portions of the project shall be complete within the times specified in Paragraph 46. During periods when weather or other conditions are unfavorable for construction, the Contractor shall pursue only such portions of the work as shall not be damaged thereby. No portions of the work, where acceptable quality or efficiency will be affected by unfavorable conditions, shall be constructed while those conditions exist. It is expressly understood and agreed by and between the Contractor and the Owner that the contract time for completion of the work described herein is a reasonable time taking into consideration the average climatic and economic conditions and other factors prevailing in the locality of the work.

Construction Progress

The Contractor shall furnish such manpower, materials, facilities and equipment as may be necessary to insure the prosecution and completion of the work in accordance with the accepted schedule. If work falls fourteen (14) days or more behind the accepted construction schedule, the Contractor agrees that he will take some or all of the following actions to return the project to the accepted schedule. These actions may include the following:

Increase manpower in quantities and crafts.

Increase the number of working hours per shift, shifts per working day, working days per week, or the amount of equipment, or any combination of the foregoing.

Reschedule activities.

If requested by the Owner the Contractor shall prepare a proposed schedule revision demonstrating a plan to make up the lag in progress and insure completion of the work within the contract time. The proposed revision shall be submitted to the Owner. All actions to return the project to the acceptable schedule are at the Contractor's expense.

The Contractor shall pay all costs incurred by the Owner which result from the Contractor's action to return the project to its accepted schedule. The Contractor agrees that the Owner shall deduct such charges from payments due the Contractor.

Delays

When the Contractor foresees a delay in the prosecution of the work and, in any event, immediately upon the occurrence of a delay which the Contractor regards as unavoidable, he shall notify the Owner in writing of the probability of the occurrence of such a delay, the extent of the delay and its possible cause. The Contractor shall take immediate steps to prevent, if possible the occurrence or continuance of the delay.

If this cannot be done, the Owner shall determine how long the delay shall continue and to what extent the prosecution and complete of the work are being delayed thereby. He shall also determine whether the delay is to be considered avoidable or unavoidable and shall notify the Contractor of his determination. The Contractor agrees that no claim shall be made for delays which are not called to the attention of the Owner at the time of their occurrence.

Avoidable delays in the prosecution of the work shall include delays which could have been avoided by the exercise of care, prudence, foresight and diligence on the part of the Contractor or his Sub-contractors. Avoidable delays include:

Delays which may in themselves be unavoidable but which affect only a portion of the work and do not necessarily prevent or delay the prosecution of other parts of the work nor the completion of the whole work within the contract time.

Time associated with the reasonable interference of other contractors employed by the Owner which do not necessarily prevent the completion of the whole work within the contract time.

Unavoidable delays in the prosecution or completion of the work shall include delays which result from causes beyond the control of the Contractor and which could not have been avoided by the exercise of care, prudence, foresight and diligence on the part of the Contractor or his Sub-contractors.

Delays caused by acts of God, fire, unusual storms, floods, tidal waves, earthquakes, strikes, labor disputes and freight embargoes shall be considered as unavoidable delays insofar as they prevent the Contractor from proceeding with at least 75 percent of the normal labor and equipment force for at least 5 hours per day toward completion current controlling items on the accepted construction schedule.

Should abnormal conditions prevent the work from beginning at the usual starting time, or prevent the Contractor from proceeding with 75 percent of the normal labor and equipment force for a period of at least 5 hours per day, and the crew is dismissed as a result thereof, he will not be charged for the working day whether or not conditions change so that the major portion of the day could be considered suitable for work on the controlling item.

Extension of Time

In case the work is not completed in the time specified, including extensions of time as may have been granted for unavoidable delays, the Contractor will be assessed liquidated damages, as specified within this document.

The Owner may grant an extension of time for avoidable delay if he deems it in his best interest. If the Owner grants an extension of time for avoidable delay, the Contractor agrees to pay the liquidated damages.

Unavoidable Delays: For delays which the Contractor considers to be unavoidable, he shall submit to the Owner complete information demonstrating the effect of the delay on the controlling operation in his construction schedule. The submission shall be made within ten (10) days of the occurrence which is claimed to be responsible for the unavoidable day.

The Owner shall review the Contractor's submission and determine the number of days of unavoidable delay and the effect of such unavoidable delay on controlling operations of the work.

Upon concurrence, the Owner agrees to grant an extension of time to the extent that unavoidable delay affects controlling operations in the construction schedule. During such extension of time, neither extra compensation or Owner inspection and administration nor damages for delay will be charged by the Contractor to the Owner.

It is understood and agreed by the Contractor and Owner that time extensions due to unavoidable delays will be granted only if such unavoidable delay involve controlling operations which would prevent completion of the whole work within the specified contract time. It is understood and agreed by the Contractor and Owner that during such extension of time, no extra compensation shall be paid to the Contractor.

Damage for Delays: For the period of time that any portion of the work remains unfinished after the time fixed for completion in the contract documents, as modified by extensions of time granted by the Owner, it is understood and agreed by the Contractor and the Owner that the Contractor shall pay the Owner the liquidated damages, specified within this document.

-End of This Section-



**BID #372-20 HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD ROUND-ABOUT
VENDOR'S CHECKLIST**

Company Name: _____

Please indicate you have completed the following documentation; and submit them in the following order.

ITEM DESCRIPTION

- | | |
|--------------------------|---|
| <input type="checkbox"/> | Vendor's Checklist |
| <input type="checkbox"/> | Vendor's Information Form |
| <input type="checkbox"/> | Vendor's Price Proposal Forms |
| <input type="checkbox"/> | Vendor's Bid Bond |
| <input type="checkbox"/> | Vendor's Reference Form |
| <input type="checkbox"/> | Execution of Proposal Form |
| <input type="checkbox"/> | Addenda Acknowledgement Form and Any Addenda Issued |
| <input type="checkbox"/> | Proposer's Certification and Non-Collusion Affidavit |
| <input type="checkbox"/> | Drug-Free Workplace Affidavit |
| <input type="checkbox"/> | Georgia's Security and Immigration Compliance Act Affidavit |
| <input type="checkbox"/> | <ul style="list-style-type: none"> • Contractor Affidavit • Subcontractor Affidavit (if applicable) |
| <input type="checkbox"/> | Local Small Business Initiative Affidavit (if applicable) |
| <input type="checkbox"/> | Proof of Insurance/Certificate of Insurance |
| <input type="checkbox"/> | EEO Form |
| <input type="checkbox"/> | Completed W9 |
| <input type="checkbox"/> | Legal and Character Qualifications Form |
| <input type="checkbox"/> | Copy of Valid Business License |

Authorized Signature

Title

Print Name

Date

THIS PAGE MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR PROPOSAL



**BID #372-20 HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD ROUND-ABOUT
VENDOR'S INFORMATION FORM**

1. Legal Business Name _____

2. Street Address _____

3. City, State & Zip _____

4. Type of Business: _____ State of Registration: _____

(Association, Corporation, Partnership, Limited Liability Company, etc.)

5. Name & Title of Authorized Signer: _____

6. Primary Contact _____

7. Phone _____ Fax _____

8. E-mail _____

9. Company Website _____

10. Has your company ever been debarred from doing business with any federal, state or local agency?

Yes _____ No _____ If Yes, please state the agency name, dates and reason for debarment.

ATTACH COPY OF BUSINESS LICENSE AND A COMPLETED W-9 FORM
THIS PAGE MUST BE COMPLETED AND SUBMITTED WITH PROPOSAL



**BID #372-20 HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD ROUND-ABOUT
VENDOR'S PRICE PROPOSAL FORM**

Company Name: _____

Item No.	Description	Unit of Measure	Total Cost
1	Harry Sosebee Road/Lumpkin Campground Road Round-About, as per the Road Closures Map w/in the IFB	Not to Exceed Lump Sum	
2	Harry Sosebee Road/Lumpkin Campground Road Round-About, Completed in Phases as Detailed w/in the IFB	Not to Exceed Lump Sum	
Warranty (Circle One):		Will Comply	Will Not Comply

All pricing must be on the form provided. Additional information may be attached to this form.

Bidders are advised to visit the site on their own and become familiar with location and is satisfied as to the general, local and site conditions that may affect cost, progress, performance and furnishing of the Scope of Work within. Bidders are advised that visiting the site on their own does not in any way impose responsibility of the bidder, and or employee(s), sub-contractor, or other such form of employment by the bidder on the county or board, directors, staff or other such form of employment by the county.

Point of Contact Information: Name: _____

Email: _____ Number: _____

Authorized Representative (Signature)

Date

Printed Name

Title

THIS DOCUMENT MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR PACKET



**BID #372-20 HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD ROUND-ABOUT
BID BOND
(Turn this form in with the bond)**

STATE OF GEORGIA

COUNTY OF DAWSON

KNOW ALL MEN BY THESE PRESENT, that we, _____

_____, as Principal, and

_____, as Surety, are held and firmly

bound unto Dawson County, Georgia in the sum of _____ Dollars(\$_____) lawful money of the United states, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, personal representatives, successors and assign, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted to the County a Proposal for:

BID #372-20 HARRY SOSEBEE RD/LUMPKIN CAMPGROUND RD ROUND-ABOUT

NOW THEREFORE, the conditions of this obligation are such that if the Bid be accepted, the Principal shall, within fifteen days (15) days after receipt of conformed Contract Documents, execute a contract in accordance with the Bid upon the terms, conditions and prices set forth therein, and in the form and manner required by the County and executed a sufficient and satisfactory Performance Bond and Payment bond payable to the County, each in an amount of one hundred percent (100%) of the total contract price, in form and with security satisfactory to the County, then this obligation shall be void; otherwise, it shall be and remain in full force and virtue in law; and the Surety shall, upon failure of the Principal to comply with any or all to the foregoing requirements within the time specified above, immediately pay to the aforesaid County, upon demand, the amount hereof in good and lawful money of the United States of America, not as a penalty, but as liquidated damages.

This bond is given pursuant to and in accordance with the provisions of Section 23-1705 et seq of the Code of Georgia, as amended by the Act approved February 27, 1956, and all the provisions of the law referring to this character of bond as set forth in said sections or as may be hereinafter enacted and these are hereby made a part hereof to the same extent as if set out herein in full.

IN WITNESS WHEREOF, the said Principal has hereunder affixed its signature and said Surety has hereunto caused to be affixed its corporate signature and seal, by its duly authorized officers, on this _____ day of _____, 20_____.

PRINCIPAL: _____

Signed and sealed in the presence of:

By: _____

Title: _____

(Seal)

1. _____

2. _____

SURETY: _____

Signed and sealed in the presence of:

By: _____

Title: _____

(Seal)

1. _____

2. _____

THIS DOCUMENT MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR PROPOSAL



**BID #372-20 HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD ROUND-ABOUT
VENDOR'S REFERENCE FORM**

All references must be from customers for whom your company has completed work similar to the specifications of this bid. Attach additional page if necessary.

References for: _____
(Company Name)

1. Company _____ Street Address _____ City, State & Zip _____ Contact Person Name _____ Title _____ Phone _____ FAX _____ Email _____ Describe Scope of Work and dates of project/service: _____ _____ _____
2. Company _____ Street Address _____ City, State & Zip _____ Contact Person Name _____ Title _____ Phone _____ FAX _____ Email _____ Describe Scope of Work and dates of project/service: _____ _____ _____
3. Company _____ Street Address _____ City, State & Zip _____ Contact Person Name _____ Title _____ Phone _____ FAX _____ Email _____ Describe Scope of Work and dates of project/service: _____ _____ _____

THIS PAGE MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR PROPOSAL



BID #372-20 HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD ROUND-ABOUT

EXECUTION OF PROPOSAL

DATE: _____

The potential Contractor certifies the following by placing an "X" in all blank spaces:

- ___ That this proposal was signed by an authorized representative of the firm.
- ___ That the potential Contractor has determined the cost and availability of all materials and supplies associated with performing the services outlined herein.
- ___ That all labor costs associated with this project have been determined, including all direct and indirect costs.
- ___ That the potential Contractor agrees to the conditions as set forth in this Invitation for Bid with no exceptions.

Therefore, in compliance with the foregoing **Invitation for Bids**, and subject to all terms and conditions thereof, the undersigned offers and agrees, if this proposal is accepted within sixty (60) days from the date of the opening, to furnish the services for the prices quoted within the timeframe required.

Business Name

Authorized Signature

Date

Typed Name & Title

THIS PAGE MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR PROPOSAL



**BID #372-20 HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD ROUND-ABOUT
ADDENDA ACKNOWLEDGEMENT**

The vendor has examined and carefully studied the Invitation for Bids and the following Addenda, receipt of all of which is hereby acknowledged:

Addendum No. _____

Addendum No _____

Addendum No. _____

Addendum No. _____

Authorized Representative (Signature)

Date

Authorized Representative/Title
(Print or Type)

Vendors must acknowledge any issued addenda. Proposals which fail to acknowledge the vendor's receipt of any addendum will result in the rejection of the offer if the addendum contained information which substantively changes the Owner's requirements.

THIS PAGE MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR PROPOSAL



**BID #372-20 HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD ROUND-ABOUT
DRUG FREE WORKPLACE**

I hereby certify that I am a principle and duly authorized representative of:

Whose address is:

And it is also that:

1. The provisions of Section § 50.24.1 through § 50.24.6 of the Official Code of Georgia Annotated, relating to the "Drug Free Workplace Act" have been complied with in full; and,
2. A drug free workplace will be provided for the CONTRACTOR'S employees during the performance of the contract; and,
3. Each subcontractor hired by the CONTRACTOR shall be required to ensure that the subcontractor's employees are provided a drug free workplace. The CONTRACTOR shall secure from that subcontractor the following written certification: "As part of the subcontracting agreement with _____, _____ certifies to the CONTRACTOR that a drug free workplace will be provided for the subcontractor's employees during the performance of this contract pursuant to paragraph (7) of subsection (b) of the Official Code of Georgia Annotated Section § 50.24.3"; and,
4. It is certified that the undersigned will not engage in unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana during the performance of the contract.

Date

Signature

THIS PAGE MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR PROPOSAL



**BID #372-20 HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD ROUND-ABOUT
PROPOSER'S CERTIFICATION AND STATEMENT OF NON-COLLUSION**

I _____ certify that this proposal is made without prior understanding, agreement or connection with any corporation, firm or person submitting a proposal for the same services and is in all respects fair and without collusion or fraud. I understand that collusive bidding is a violation of state and Federal law and can result in fines, prison sentences and civil damages awards.

I certify that this proposal has been prepared independently and the price submitted will not be disclosed to another person.

I certify that there has been no contact or communication by the proposer or the proposer's associates with any County staff, or elected officials since the date this **BID #372-20 HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD ROUND-ABOUT** was issued except: 1) through the Purchasing Department 2) at the Pre-Proposal Conference (if applicable) or 3) as provided by existing work agreement(s). **The County reserves the right to reject the proposal submitted by any proposer violating this provision.**

I agree to abide by all conditions of this proposal and certify that I am authorized to sign this proposal.

COMPANY NAME: _____

Authorized Representative (Signature)

Date

Authorized Representative/Title
(Print or Type)

THIS PAGE MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR PROPOSAL



Georgia Security & Immigration Compliance (GSIC) Act Affidavit

As per the Georgia Senate Bill 529 and Senate Bill 447, the Georgia Department of Labor has promulgated new rules for the implementation of Section 2. O.C.G.A. §13-10-91 and Chapter 300-10-01-.02 state that no Georgia Public Employer shall enter into a contract for *the physical performance of services within the State of Georgia* unless the Contractor registers and participates in a federal work authorization program to verify the work eligibility information of all of its new employees.

The Employment Eligibility Verification “E-Verify” site operated by the U.S. Citizenship and Immigration Services Bureau of the U.S. Department of Homeland Security is the electronic federal work authorization program to be utilized for these purposes.

The website is <https://e-verify.uscis.gov/enroll/>

By executing the attached Contractor Affidavit, Contractor verifies its compliance with O.C.G.A. §13-10-91 stating affirmatively that the individual, firm or corporation which is contracting with the Dawson County Board of Commissioners has registered and is participating in this federal work authorization program in accordance with the applicability provisions and deadlines established in this Statute.

Contractor further agrees that should it employ or contract with any Sub-Contractor(s) for the physical performance of services pursuant to the contract with the Dawson County Board of Commissioners, Contractor will secure from the Sub-Contractor(s) verification of compliance with O.C.G.A. §13-10-91 on a Sub-Contractor Affidavit and shall provide a copy of each such verification to the Dawson County Board of Commissioners at the time the Sub-Contractor(s) is retained to perform such services.

PLEASE COMPLETE THE ATTACHED AFFIDAVIT AND RETURN WITH BID SUBMISSION



**IMMIGRATION AND SECURITY FORM
(GEORGIA SECURITY AND IMMIGRATION COMPLIANCE ACT AFFIDAVIT)**

Contractor's Name:	
County Solicitation/ Contract No.:	

CONTRACTOR AFFIDAVIT

By executing this affidavit, the undersigned Contractor verifies its compliance with O.C.G.A. §13-10-91, stating affirmatively that the Contractor identified above has registered with and is participating in a federal work authorization program*, in accordance with the applicability provisions and deadlines established in O.C.G.A. 13-10-91.

The undersigned further agrees that, should it employ or contract with any subcontractor(s) in connection with the physical performance of services pursuant to this contract with the County, Contractor will secure from such subcontractor(s) similar verification of compliance with O.C.G.A. § 13-10-91 on the attached Subcontractor Affidavit. Contractor further agrees to maintain records of such compliance and provide a copy of each such verification to the County at the time the subcontractor(s) is retained to perform such service.

EEV / E-Verify™ Company Identification Number

BY: Authorized Officer or Agent
(Contractor Name)

Date

Title of Authorized Officer or Agent of Contractor

Printed Name of Authorized Officer or Agent

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

[NOTARY SEAL]

Notary Public

My Commission Expires:

*any of the electronic verification of work authorization programs operated by the United States Department of Homeland Security or any equivalent federal work authorization program operated by the United States Department of Homeland Security to verify information of newly hired employees, pursuant to the Immigration Reform and Control Act of 1986 (IRCA), P.L. 99-603

THIS PAGE MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR PROPOSAL



**IMMIGRATION AND SECURITY FORM
(GEORGIA SECURITY AND IMMIGRATION COMPLIANCE ACT AFFIDAVIT)**

Contractor's Name:	
County Solicitation/ Contract No.:	

ADDITIONAL INSTRUCTIONS TO CONTRACTOR: Identify all subcontractors used to perform under the county contract. In addition, you must attach a signed and notarized affidavit (third page of this form) from each of the subcontractors listed below. The contractor is responsible for providing a signed and notarized affidavit to the County within five (5) days of the addition of any new subcontractor used to perform under the identified County contract.

Contractor's Name:	
Subcontractors:	

THIS PAGE MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR PROPOSAL



**IMMIGRATION AND SECURITY FORM
(GEORGIA SECURITY AND IMMIGRATION COMPLIANCE ACT AFFIDAVIT)**

Contractor's Name:	
Subcontractor's (Your) Name:	
County Solicitation/ Contract No.:	

SUBCONTRACTOR AFFIDAVIT

By executing this affidavit, the undersigned Subcontractor verifies its compliance with O.C.G.A. §13-10-91, stating affirmatively that the Subcontractor which is engaged in the physical performance of services under a contract with the Contractor identified above on behalf of the County identified above has registered with and is participating in a federal work authorization program*, in accordance with the applicability provisions and deadlines established in O.C.G.A. 13-10-91.

EEV / E-Verify™ Company Identification Number

BY: Authorized Officer or Agent
(Subcontractor Name)

Date

Title of Authorized Officer or Agent of Contractor

Printed Name of Authorized Officer or Agent

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

[NOTARY SEAL]

Notary Public

My Commission Expires:

*any of the electronic verification of work authorization programs operated by the United States Department of Homeland Security or any equivalent federal work authorization program operated by the United States Department of Homeland security to verify information of newly hired employees, pursuant to the Immigration Reform and Control Act of 1986 (IRCA), P.L. 99-603

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Dawson County Board of Commissioners

Local Small Business Initiative

Purpose & Scope:

Giving preference to local suppliers, even if it means spending a little more, can actually benefit a county's finances. Dollars spent locally generate additional economic activity even beyond the value of the initial contract as the local supplier in turn sources goods and services locally. Each additional dollar that circulates locally boosts economic activity, employment, and ultimately tax revenue. A study in Arizona found that using local independent suppliers for state contracts results in three times the economic benefit of bids fulfilled through national chains.

Local Small Business Initiative (LSBI) is a Dawson County program designed to promote opportunities to Local Small Businesses located in Dawson County.

The **LSBI** program is designed to return as much taxpayer money to the local economy, in a relatively short time span, as possible while at the same time foster inclusiveness with the County's procurement activities and a goal to provide more opportunities for Dawson County businesses.

Definition of Local Small Business:

- Local Small Business shall mean a business which has its principal office located in and having a street address within Dawson County for at least six months immediately prior to the issuance of the quote/bid/proposal. Post Office boxes (to include mailing/shipping center addresses) are not eligible and shall not be used for the purpose of establishing a physical address.
- Must hold a valid business license required by the County and have no outstanding or unresolved fees, fines or penalties due to Dawson County.
- Not have more than twenty-five (25) employees, and of which at least 33% of those employees have their primary residence in Dawson County, or, if the business has no employees, the business shall be at least fifty-one (51%) percent owned by one or more persons whose primary residence in Dawson County.
- Have a banking relationship with a bank located in Dawson County.
- Average annual gross receipts of five million dollars (\$5,000,000.00) or less over the previous three years.
- Must certify under oath to the above criteria upon submission for any bid, solicitation, or proposal to Dawson County.

The LSBI Policy will not be applicable for the following types of purchases, bids, or solicitations:

- Goods or services provided under a cooperative purchasing agreement or inter-local agreement;
- Purchases or contracts which are funded in whole or part by a governmental entity and the laws, regulations, or policies governing such funding prohibit application of preference;



- Purchases made or contracts let under emergency or non-competitive situations or for legal services;
- Projects over \$100,000.00.

Affidavit:

The County will accept an affidavit that a business meets the County’s standards to be considered a Local Small Business. The County, in its sole discretion, may request additional information from the business to support its claim of being a Local Small Business. The Purchasing Department will be required to review the affidavit and request additional information as necessary to ensure the LSBI criteria are satisfied. The County will notify a business of acceptance of LSBI certification.

How Incentive Works:

Under any applicable solicitation or bid, vendors desiring to receive local preference under the LSBI Policy will be required to affirmatively demonstrate via affidavit that they satisfy all pertinent requirements. Any vendor who fails to submit the required affidavit shall be automatically excluded from LSBI consideration. Vendors shall submit the affidavit with each solicitation or bid proposal. The affidavit contemplated under this Policy is valid only for the submitted solicitation or bid, and must be reaffirmed and resubmitted for each subsequent solicitation of bid.

For any solicitation that is under \$100,000.00 the Local Small Business (as demonstrated via affidavit) that submits a responsive, responsible price, a local preference credit of 3%.

Waiver:

The application of local preference to a particular purchase, contract, bid, solicitation or category of contracts may be waived by the Dawson County Board of County Commissioners in its sole discretion. The promulgation of this Policy is not intended nor should it be construed as created a right or property interest in local preference or in the local preference credit.



**DAWSON COUNTY BOARD OF COMMISSIONERS
LOCAL SMALL BUSINESS
AFFIDAVIT OF ELIGIBILITY**

Complete form and submit with your bid. Incomplete forms may be rejected.

1. Legal Name of Firm _____
2. Mailing Address: _____ Physical Address (if different) _____

3. Year business was established in Dawson County: _____
4. Business License Number issued by Dawson County: _____
5. Number of Employees: _____
6. Average annual gross receipts for past three years: _____
7. Business Type (circle one): Corporation, Partnership, Sole Proprietorship
8. Does your business have more than one location in Dawson County? Yes No
 If yes, specify the location(s): _____
 Is your businesses' principal base of operations in Dawson County? Yes No
 Does your business have any locations outside Dawson County? Yes No
9. If yes, please specify the location(s): _____

CERTIFICATION: I hereby certify under penalty of perjury that the information which I have provided on this form is true and correct, that I am authorized to sign on behalf of the business set out above, and if requested by the County will provide, within 10 days of notice, the necessary documents to substantiate the information on this form.

Attest: _____
Sworn to and subscribed before me this
_____ day of _____, 20____

Authorized Signature

Print Name

Notary Public
Commission Expires: _____
(SEAL)

Title



Dawson County Board of Commissioners
“VOLUNTARY”

Title VI Statistical Data Form

Used For Government Monitoring Purposes

Dawson County Board of Commissioners is committed to broad-based competition on all bids. We are gathering the following information for recordkeeping in compliance with federal regulations. All information will be considered strictly private and confidential and will be used for Title VI of the Civil Rights Act of 1964 purposes only. Your responses are strictly voluntary and will help in developing and monitoring nondiscrimination enforcement programs. This form is not part of the bid document and has no emphasis on decision of award, if you prefer not to reply that is acceptable. **Failure to complete this form will not affect your chances of award.** Your cooperation is appreciated.

Instruction for submission: DO NOT INCLUDE WITH BID PROPOSAL. Form should be submitted separately in a non-identifying envelope addressed to the Dawson County Purchasing Department, 25 Justice Way, Suite 2223, Dawsonville, GA 30534. Please write in bid name and number for project tracking purposes.

BID NAME & BID #309-18 2018 VEHICLES FOR THE SHERIFF’S OFFICE

Please place an “X” on the line that apply

Owner Gender: ___ Male ___ Female

Owner Race/Ethnicity: ___ White/Caucasian ___ Hispanic or Latino
 ___ Black or African American ___ American Indian or Alaska Native
 ___ Native Hawaiian or ___ Asian
 Other Pacific Islander ___ Two or More Races

Disability: Any person who (1) has a physical or mental impairment that substantially limits one or more major life activities; (2) has a record of such impairment; or (3) is regarded as having such impairment.
 ___ Yes ___ No

Minority Owned Business: ___ Yes ___ No

Disadvantaged Business Enterprise (DBE) Company? ___ Yes ___ No

Number of Employees: _____

Staff Race/Ethnicity make-up: ___ White/Caucasian ___ Hispanic or Latino ___ Asian
(Provide % on line) ___ Black or African American ___ American Indian or Alaska Native
 ___ Native Hawaiian or Other Pacific Islander ___ Two or More Races

Dawson County Government is committed to serve the public efficiently, preserve our heritage, safeguard the environment, protect citizens and improve the quality of life.



**BID #372-20 HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD ROUND-ABOUT
EQUAL EMPLOYMENT OPPORTUNITY (EEO) PRACTICE**

EEO Plan: The successful Bidder will develop and implement an EEO policy that, as a minimum, will recruit, hire, train, and promote, at all levels, without regard to race, color, religion, national origin, sex, or age, except where sex or age is a bona fide occupational qualification.

EEO For Veterans/Handicapped: The successful Bidder will also provide equal employment opportunities for qualified disabled veterans, handicapped persons and veterans of the Vietnam Era.

EEO For Successful Bidder Programs: The successful Bidder, will ensure equal employment opportunity applies to all terms and conditions of employment, personnel actions, and successful Bidder-sponsored programs. Every effort shall be made to ensure that employment decisions, programs and personnel actions are non-discriminatory. That these decisions are administered on the basis of an evaluation of an employee's eligibility, performance, ability, skill and experience.

EEO Acquisitions: The successful Bidder will develop and implement a policy that will give equal opportunity to the purchase of various goods and services from small businesses and minority-owned businesses.

Does the Bidder have the above EEO policy in place?	Y	N

If the answer to the above is no, will the Bidder have such a policy in place prior to commencing work on this project?	Y	N

Statement of Assurance: The Bidder herein assures the County that it is in compliance with Title VI & VII of the 1964 Civil Rights Act, as amended, in that it does not on the grounds of race, color, national origin, sex, age, handicap, or veteran status, discriminate in any form or manner against employees or employers or applicants for employment and is in full compliance A.D.A.

Firm's Name

Authorized Signature

Date

THIS PAGE MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR PROPOSAL



**BID #372-20 HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD ROUND-ABOUT
LEGAL AND CHARACTER QUALIFICATIONS**

Convictions: Has the Bidder (including parent corporation, if applicable) or any principal ever been convicted in a criminal proceeding (felonies or misdemeanors) in which any of the following offenses were charged?

		Y	N
a	Fraud		
b	Embezzlement		
c	Tax Evasion		
d	Bribery		
e	Extortion		
f	Jury Tampering		
g	Anti-Trust Violations		
h	Obstruction of justice (or any other misconduct affecting public or judicial officers'		
i	False/misleading advertising		
j	Perjury		
k	Conspiracy to commit any of the foregoing offenses		

Civil Proceedings: Has the Bidder or any principal ever been a party, or is now a party, to civil proceeding in which it was held liable for any of the following?

		Y	N
a	Unfair/anti-competitive business practices		
b	Consumer fraud/misrepresentation		
c	Violations of securities laws (state and federal)		
d	False/misleading advertising		
e	Violation of local government ordinance		

License Revocation:

		Y	N
	Has the Bidder or any principal ever had a business license revoked, suspended, or the renewal thereof denied, or is a party to such a proceeding that may result in same?		

Responses: If "yes" is the response to any of the foregoing, provide Information such as date, court, sentence, fine, location, and all other specifics for each "yes" response.

THIS PAGE MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR PROPOSAL



**BID #372-20 HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD ROUND-ABOUT
LEGAL AND CHARACTER QUALIFICATIONS**

Principals: The full names and addresses of persons or parties interested in the foregoing bid, as principals, are as follows:

NAME	ADDRESS
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

References: The Bidder lists below work he has done of similar nature as this solicitation, as references that will afford the County opportunity to judge as to experience, skill, business standing, and financial ability.

CONTACT PERSON	TITLE	PHONE NUMBER/EMAIL
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

THIS PAGE MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR PROPOSAL

SAMPLE CONTRACT NUMBER: 372-20

AGREEMENT BETWEEN OWNER AND CONTRACTOR

BID #372-20 HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD ROUND-ABOUT

This Agreement is made and entered into this day of , by and between Dawson County, a political subdivision of the State of Georgia, (hereinafter referred to as the "Owner") and (hereinafter referred to as the "Contractor") under seal for all work called for in the Dawson County **Invitation for Bid #372-20 HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD ROUND-ABOUT** for furnishing materials, labor, and equipment necessary for job description as listed in the specifications and proposed by the Contractor.

In consideration of the mutual promises, covenants, and payment set forth herein and for other good and valuable consideration, the County and Consultant agree to perform in accord with the terms of this Agreement.

ARTICLE 1

THE CONTRACT AND THE CONTRACT DOCUMENTS

1.1 The Contract

1.1.1 The Contract between the Owner and the Contractor, consists of the Contract Documents and shall be effective on the date this Agreement is executed by the last party to execute it. If any items in the Contract conflict with the law of the State of Georgia law, law of the State of Georgia shall prevail.

1.2 The Contract Documents

1.2.1 The Contract Documents consist of this Document, the Invitation for Bid **#372-20 HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD ROUND-ABOUT** and all addenda, the Contractor's Bid Schedule, all Change Orders and Field Orders issued hereafter, and any other amendments executed by the parties hereafter. Documents not enumerated in this paragraph are not Contract Documents and do not form part of this Contract.

1.3 Entire Agreement

1.3.1 This Contract, together with the Contractor's payment and performance bonds, if required, for the Project, constitutes the entire and exclusive agreement between the Owner and the Contractor with reference to the Project. Specifically, but without limitation, this Contract supersedes all prior written or oral communications, representations and negotiations, if any, between the Owner and Contractor.

1.4 No Privity with Others

1.4.1 Nothing contained in this Contract shall create, or be interpreted to create, privity or any other contractual agreement between the Owner and any person or entity other than the Contractor.

1.5 Intent and Interpretation

1.5.1 The intent of this Contract is to require complete, correct and timely execution of the Work. Any work that may be required implied or inferred by the Contract Documents, or any one or more of them, as necessary to produce the intended result shall be provided by the Contractor for the Contract Price.

1.5.2 This Contract is intended to be an integral whole and shall be interpreted as internally consistent. What is required by any one Contract Document shall be considered as required by the Contract.

1.6 Ownership of Contract Documents

1.6.1 The Contract Documents, and each of them, shall remain the property of the Owner. The Contractor shall have the right to keep one record set of the Contract Documents upon completion of the Project; provided, however, that in no event shall Contractor use, or permit to be used, any or all of such Contract Documents on other projects without the Owner's prior written authorization.

1.7 Unobligated Funds

1.7.1 This Agreement shall terminate absolutely and without further obligation at such time as appropriated and otherwise unobligated funds are no longer available to satisfy the obligations of the County under this Agreement.

ARTICLE II

CONTRACT DEFINITIONS

The following terms shall have the following meanings whether in the singular or in the plural:

2.1 Agreement Execution. The Agreement Execution means the date both parties execute this Agreement.

2.2 Contract. The word contract has the identical meaning as the word Agreement.

2.3 Contract Documents. The contract documents consist of this Agreement between the County and the Consultant, the request for proposals, addenda issued before the execution of this Agreement, the Consultant's statement of proposal and required response forms, change orders and modifications issued after execution of this Agreement, a written amendment to this Agreement signed by both parties, and a supplemental Agreement in the form of change work order signed by both parties.

2.4 Contract Price. The contract price means the total monies, adjusted in accordance with any provision set forth herein, payable to the Consultant pursuant to a change work order or a supplemental Agreement.

2.5 Contract Time. The contract time means the period of time stated herein for completion of work.

2.6 Cost of Work. The cost of work means the fixed price or estimated cost necessary to perform the work described in the scope of services or any change work order.

2.7 County. The County means Dawson County, Georgia, a political subdivision of the State of Georgia.

2.8 Deliverables. Deliverables means all reports, drawings, plans, designs, and other documents prepared by the Consultant identified in the scope of services as deliverable to the County.

2.9 Drawings. The drawings, if any, shall be the graphic and pictorial portions of the contract documents whether completed or partially completed.

2.10 *Liaison.* Liaison means the representative of the County who shall act as a liaison between the County and the Consultant for all matters pertaining to this Agreement including review of Consultant's plans and work.

2.11 *Multi-year Contract.* Multi-year contract means a contract for the purchase of supplies or services for more than one (1), but not more than five (5), fiscal years. A multi-year contract may provide that performance under the contract during the second and subsequent years of the contract is contingent upon the appropriation of funds, and (if it does so provide) may provide for a cancellation payment to be made to the Consultant if appropriations are not made.

2.12 *Project.* Project means a task or set of tasks assigned pursuant to the Scope of Work and/or a Change Work Order.

2.13 *Specifications.* Specifications mean the written technical provisions including all appendices thereto, both general and specific, which form part of the contract documents.

2.14 *Sub-consultant.* A sub-consultant means any person, firm, partnership, joint venture, company, corporation or entity with an Agreement with the Consultant or Consultant's sub-consultants to provide part of the work required by a change work order.

2.15 *Change Work Order.* A Change Work Order shall mean a written order to the Consultant executed by the County, issued after execution of this Contract, authorizing and directing a change in the work or an adjustment in the Contract Price or the Contract Time. The Contract Price and the Contract Time may be changed only by Change Order.

2.16 *Work.* The work means any and all obligations, duties and responsibilities, including furnishing equipment, consulting, design, labor, and any other service or thing necessary to the successful completion of the project assigned to or undertaken by the Consultant under this Agreement or change work order.

2.17 *Term of Agreement.* Term of Agreement means a fixed duration that the contract will be in effect. The signing parties are obligated to adhere to the terms and conditions within the contract until the expiration, or end date, of the contract or if the contract is terminated as specified herein.

ARTICLE III

THE WORK

3.1 Scope of Work

3.1.1 The Contractor shall perform all of the Work required, implied or reasonably inferable from this Contract, all in accordance with plans, specifications, amendments to the IFB document, and drawings of the Project and in accordance with the bid and specifications as outlined in Invitation for Bid #**372-20 HARRY SOSEBEE ROAD/LUMPKIN CAMPGROUND ROAD ROUND-ABOUT**.

3.1.2 The term "Work" shall mean whatever is done by or required of the Contractor to perform and complete its duties under this Contract, including the following: construction of the whole or a designated portion of the Project; furnishing of any required bonds and insurance; provision of required certifications and documentation of associated testing results; provision or furnishing of labor, supervision, services,

materials, supplies, equipment, fixtures, appliances, facilities, tools, transportation, storage, power, permits and licenses required of the Contractor, fuel, heat, light, cooling and all other utilities as required by this Contract. The work to be performed by the Contractor is generally described in Exhibit "A":

ARTICLE IV

CONTRACT TIME

4.1 Time and Liquidated Damages

4.1.1 The Contractor shall begin scope of services as submitted in the IFB bid response upon receipt of the notice to proceed or Purchase Order.

4.1.2 The Owner reserves the right to insert a liquidated damages provision in any change work order.

4.2 Substantial Completion

4.2.1. "Substantial Completion" shall mean that state in the progression of the Work when the Work is sufficiently complete in accordance with this Contract that the Owner can enjoy beneficial use or occupancy of the work and can utilize the work for its intended purpose.

4.3 Time is of the Essence

4.3.1 All limitations of time set forth in the Contract Documents are of the essence of this Contract.

ARTICLE V

CONTRACT PRICE

5.1 The Contract Price

5.1.1 The Owner shall pay the Contractor the fee calculated in accord with "Exhibit B" and set forth in the project specified within as the Fee Proposal for IFB. The Contractor and Owner shall periodically review project progress and schedules to insure timely completion of work and to determine the status of the estimated project budget.

5.1.2 The Contractor agrees that the Contractor shall not be compensated for customary overhead items that are not referenced within "Exhibit B". The parties agree that the Owner shall review and approve any proposed billing rate adjustments of the Contractor before any such billing rate adjustments shall be implemented.

ARTICLE VI

PAYMENT OF THE CONTRACTOR

6. Payment

6.1.1 The Owner shall pay to the Contractor on the basis of an executed invoice submitted by the Consultant shall be detailed to reflect the prices referenced in "Exhibit B" and incorporated herein by reference. Invoices shall be paid per Owner policies and procedures, which is typically 30 calendar days from receipt. If any dispute arises regarding an invoice, then the Contractor may separate the disputed portion of the invoice and resubmit the undisputed portion of the invoice, which will be paid pursuant to

Owner policies and procedures. The disputed portion of the invoice shall be paid upon resolution of the dispute. After delivery of the goods/materials by the Contractor, the Owner shall pay the Contractor all outstanding invoices. The Contractor agrees that acceptance of final payment shall be full and final settlement of all claims against the Owner for materials furnished, costs incurred, or otherwise arising out of a change work order, and shall release the Owner from any claim from the Consultant resulting from such change work order and project.

6.1.2 The Contractor warrants that upon submittal of an Application for Payment, all work for which payments have been received from the Owner shall be free and clear of liens, claims, security interest or other encumbrances in favor of the Contractor or any other person or entity whatsoever. The Contractor shall promptly pay each Subcontractor out of the amount paid to the Contractor on account of such Subcontractor's work, the amount to which such Subcontractor is entitled. In the event the Owner becomes informed that the Contractor has not paid a Subcontractor as herein provided, the Owner shall have the right, but not the duty, to issue future checks in payment to the Contractor of amounts otherwise due hereunder naming the Contractor and such Subcontractor as joint payees.

6.1.3 No progress payment, nor any use or occupancy of the Project by the Owner, shall be interpreted to constitute an acceptance of any work not in compliance with this Contract.

6.2 Withheld Payment

6.2.1 The Owner may decline to make payment, may withhold funds, and, if necessary, may demand the return of some or all of the amounts previously paid to the Contractor to protect the Owner from loss because of:

- (a) Defective work not remedied by the Contractor;
- (b) Claims of third parties against the Owner;
- (c) Failure by the Contractor to pay Subcontractors or others in a prompt and proper fashion;
- (d) Evidence that the balance of the work cannot be completed in accordance with the Contract for the unpaid balance of the Contract Price;
- (e) Evidence that the work will not be completed in the time required for substantial or final completion;
- (f) Persistent failure to carry out the work in accordance with the Contract; or
- (g) Damage to the Owner or a third party to whom the Owner is, or may be, liable

6.3 Completion and Final Payment

6.3.1 When all of the goods/materials are finally delivered, the Owner will make final inspection of the goods/materials and, if the goods/materials are in compliance with this Contract and this Contract has been fully performed, then the Contractor will promptly issue a final Application for Payment certifying to the Owner that the Project is complete and the Contractor is entitled to the remainder of the unpaid Contract Price, less any amount withheld pursuant to this Contract. Contractor will return Attachment "C" to the Purchasing Manager at 25 Justice Way, Suite 2223, Dawsonville, Georgia 30534 at time of final Application for Payment.

6.3.2 The Owner shall make final payment of all sums due the Contractor within thirty (30) days of the Project Manager's execution of a final inspection of goods/materials.

6.3.4 Acceptance of final payment shall constitute a waiver of all claims against the Owner by the Contractor except for those claims previously made in writing against the Owner by the Contractor, pending at the time of final payment, and identified in writing by the contractor as unsettled at the time of its request for final payment, as attested to in Attachment "C".

ARTICLE VII

THE OWNER

7.1 Information, Services and Things Required From Owner

7.1.1 The Owner shall furnish the Contractor, free of charge, three copies of the Contract Documents for execution of the Work.

7.2 Right to Stop Work

7.2.1 If the Contractor fails or refuses to deliver the goods/materials in accordance with this Contract, the Owner may order the Contractor to stop the delivery, or any described portion thereof, until the cause for stoppage has been corrected, no longer exists, or the Owner orders that delivery be resumed. In such event, the Contractor shall immediately obey such order. The stop delivery order referenced herein must be in writing and must specify in detail the alleged failure of the Contractor in accordance with the contract documents.

ARTICLE VIII

THE CONTRACTOR

8.1 The Contractor shall deliver the goods/materials strictly in accordance with this Contract.

8.2 The Contractor shall supervise and direct the delivery of the goods/materials using the Contractor's best skill, effort and attention. The Contractor shall be responsible to the Owner for any and all acts or omissions of the Contractor, its employees, subcontractors, and others engaged in the goods/materials on behalf of the Contractor.

8.3 Warranty

8.3.1 The Contractor warrants to the Owner that all labor furnished to progress the delivery under this Contract will be competent to perform the tasks undertaken, that the product of such labor will yield only first-class results, that materials and equipment furnished will be of good quality and new unless otherwise permitted by this Contract, and that the goods/materials will be of good quality, free from faults and defects and in strict conformance with this Contract. All work not conforming to these requirements may be considered defective.

8.4 The Contractor shall obtain and pay for all permits, fees and licenses necessary and ordinary for the work. The Contractor shall comply with all lawful requirements applicable to the work and shall give and maintain any and all notices required by applicable law pertaining to the work.

8.5 Supervision

8.5.1 The Contractor shall employ and maintain at the Project site only competent supervisory personnel to ensure shipment of said goods/materials are handled properly. Absent written instruction

from the Contractor to the contrary, the undersigned shall be deemed the Contractor's authorized representative at the shipment site and shall be authorized to receive and accept any and all communications from the Owner.

8.6 Cleaning the Site and the Project

8.6.1 The Contractor shall keep the site reasonably clean during performance of the delivery of the goods/materials as stipulated in the IFB document. Upon final completion of the work, the Contractor shall clean the site and the Project and remove all waste, together with all of the Contractor's property.

8.7 Indemnity

8.7.1 To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the Owner from and against liability, claims, damages, losses and expenses, including attorneys' fees, arising out of or resulting from performance of the work, provided that such liability, claims, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the work itself) including loss of use resulting therefrom, but only to the extent caused in whole or in part by negligent acts or omissions of the Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable.

8.7.2 In claims against any person or entity indemnified under this Paragraph 8.7 by an employee of the Contractor, a Subcontractor, any one directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation under this Paragraph 8.7 shall not be limited by a limitation on amount or type of damages, compensation or benefits payable by or for the Contractor or a Subcontractor under workers' compensation acts, disability benefit acts or other employee benefit acts.

ARTICLE IV

CONTRACT ADMINISTRATION

9.1 Administration

9.1.1 The Dawson County Project Manager shall be the Owner's representative from the effective date of this Contract until final payment has been made for delivery of goods/materials. Any and all change orders must be submitted through the Dawson County Project Manager to the County Manager. Acceptance of the change order will be reflected on the project purchase order issued by the Purchasing Manager.

9.1.2. The Owner and the Contractor shall communicate with each other in the first instance through the Project Manager for all deliveries.

9.1.3 The Owner's Representative shall be the initial interpreter of the requirements of the drawings and specifications and the judge of the performance by the Contractor.

9.1.4 The Owner's Representative shall have authority to reject work that is defective or does not conform to the requirements of this Contract.

9.1.5 The Owner's Representative will review the Contractor's invoice(s) and will certify those amounts then due the Contractor as provided in this Contract.

9.1.6 The Owner's Representative, shall, upon request from the Contractor, perform steps necessary to determine the date of delivery, will receive records, written warranties and related documents required by this contract and will issue a final invoice upon compliance with the requirements of this Contract.

9.2 Claims by the Contractor

9.2.1 All Contractor claims shall be initiated by written notice and claim to the Owner attention the Purchasing Department. Such written notice and claim must be furnished within seven (7) days after occurrence of the event or the first appearance of the condition giving rise to the claim.

9.2.2 Pending final resolution of any claim of the Contractor, the Contractor shall diligently proceed with performance of this Contract and the Owner shall continue to make payments to the Contractor in accordance with this Contract. The resolution of any claim under this paragraph 9.3 shall be reflected by a Change Order executed by the Owner and the Contractor.

ARTICLE X

CONTRACT TERMINATION

10.1 Termination by the Contractor

10.1.1 If the work is stopped for a period of ninety (90) days by an order of any court or other public authority or as a result of an act of the Government, through no fault of the Contractor or any person or entity working directly or indirectly for the Contractor, the Contractor may, upon ten (10) days' written notice to the Owner, terminate performance under this contract and recover from the Owner payment for the actual reasonable expenditures of the Contractor for all work executed.

10.1.2 If the Owner shall persistently or repeatedly fail to perform any material obligation to the Contractor for a period of thirty (30) days after receiving written notice from the Contractor of its intent to terminate hereunder, then the Contractor may terminate performance under this Contract by written notice to the Owner. In such event, the Contractor shall be entitled to recover from the Owner as though the Owner had terminated the Contractor's performance under this Contract for convenience pursuant to Subparagraph 10.2.1.

10.2 Termination by the Owner

10.2.1 *for Convenience*

10.2.1.1 The Owner may for any reason whatsoever terminate performance under this Contract by the contractor for convenience. The Owner shall give written notice of such termination to the Contractor specifying when termination becomes effective.

10.2.1.2 The Contractor shall incur no further obligations in connection with the delivery and the Contractor shall stop delivery when such termination becomes effective. The Contractor shall also terminate outstanding orders and subcontracts. The Contractor shall settle the liabilities and claims arising out of the termination of subcontracts and orders. The Owner may direct the Contractor to assign the Contractor's right, title and interest under terminated orders or subcontracts to the Owner or its designee.

10.2.1.3 The Contractor shall transfer title and deliver to the Owner such completed or partially completed work and materials, equipment, parts, fixtures, information and Contract rights as the Contractor has.

10.2.1.4 The Contractor shall submit a termination claim to the Owner specifying the amounts due because of the termination for convenience together with costs, pricing or other data required by the Owner. If the Contractor fails to file a termination claim within one (1) year from the effective date of

termination, then the Owner shall pay the Contractor an amount derived in accordance with subparagraph (b) below.

- (a) The Owner and the Contractor may agree to the compensation, if any, due to the Contractor hereunder.
- (b) Absent agreement of the amount due to the contractor, the Owner shall pay the Contractor the following amounts:
 - i. Contract prices for labor, materials, equipment and other services accepted under this Contract;
 - ii. Reasonable costs incurred in preparing to perform and in performing the terminated portion of the work, and in terminating the Contractor's performance, plus a fair and reasonable allowance for overhead and profit thereon (such profit shall not include anticipated profit or consequential damages); provided however, that if it appears that the Contractor would have not profited or would have sustained a loss if the entire Contract would have been completed, no profit shall be allowed or included, and the amount of compensation shall be reduced to reflect the anticipated rate of loss, if any;
 - iii. Reasonable costs of settling and paying claims arising out of the termination of subcontracts or orders pursuant to Subparagraph 11.2.1.2 of this Paragraph. These costs shall not include amounts paid in accordance with other provisions hereof;
 - iv. The total sum to be paid the Contractor under this Subparagraph 11.2.1 shall not exceed the total Contract Price, as properly adjusted, reduced by the amount of payments otherwise made, and shall in no event include duplication of payment.

10.2.2 *for Cause*

10.2.2.1 If the Contractor persistently or repeatedly refuses or fails to prosecute the delivery in a timely manner of proper equipment and/or materials, or it fails to make prompt payment to Subcontractors or for materials or labor, or persistently disregards laws, ordinances, rules, regulations or orders of any public authority having jurisdiction, or otherwise is guilty of a substantial violation of a material provision of this Contract, then the Owner may by written notice to the Contractor, without prejudice to any other right or remedy, terminate the employment of the contractor and take possession of the site and of all materials, equipment, tools, construction equipment and machinery thereon owned by the Contractor.

10.2.2.3 In the event the employment of the Contractor is terminated by the Owner for cause pursuant to subparagraph 10.2.2 and it is subsequently determined by a Court of competent jurisdiction that such termination was without cause, such termination shall thereupon be deemed a Termination for Convenience under Subparagraph 11.2.1 and the provisions of Subparagraph 11.2.1 shall apply.

ARTICLE XI

INSURANCE

11.1 Contractor's Insurance Requirements

11.1.1 The Contractor shall maintain in full force and effect at all times during the Contract period Comprehensive General Liability and Automobile Insurance in an amount equal to One Million (\$1,000,000.00) Dollars.

11.1.2 The Contractor shall provide to the Owner Certificates of Insurance naming the Owner as additional insured party under the policy or policies of all Insurance as required by Paragraphs 11.1.1 and 11.1.4.

11.1.3 The insurance policy or policies as aforesaid shall provide that thirty (30) days written notice be given to the Owner prior to cancellation thereof.

11.1.4 The Consultant shall maintain in full force and effect at all times during the Contract period Workers' Compensation Insurance as provided by Georgia law in such form as to protect Contractor and the County with the County being named as an additional insured for any claims for damages or bodily injury, including death and damage to property that may arise from acts or omissions of Contractor under this Contract.

11.1.5 Contractor agrees to protect, defend, indemnify and hold harmless the County, the County's commissioners, agents and employees from and against any liability, damage, claim, including attorney fees and expenses of litigation, suit, lien, and judgment for injuries to or death of any person or damage to property or other rights of any person caused by the Contractor, the Contractor's employees, servants, agents or subcontractors. The Contractor's obligation to protect, defend, indemnify, and hold harmless extends to any claim for the alleged infringement of any patent, trademark, copyright, or any actual or alleged unfair competition, disparagement of product or service, or other business tort or any actual or alleged violation of trade regulations arising out of the performance of Contractor's duties in accord with this Contract, as well as any other claim. The Contractor shall maintain worker's compensation and comprehensive general liability insurance in such form as to protect Contractor and the County with the County being named as an additional insured for any claims for damages or bodily injury, including death and damage to property that may arise from acts or omissions of Contractor under this Contract.

ARTICLE XII

MISCELLANEOUS

12.1 Governing Law

12.1.1 This Agreement is to be governed by the law of the State of Georgia and venue for any dispute shall be Dawson County, Georgia

12.2 Successors and Assigns

12.2.1 The Owner and Contractor bind themselves, their successors, assigns and legal representatives to the other party hereto and to successors, assigns and legal representatives of such other party in respect to covenants, agreements and obligations contained in this Contract. The Contractor shall not assign this Contract without written consent of the Owner.

12.3 Severability

12.3.1 The parties agree that each of the provisions included in this Agreement is separate, distinct and severable from the other and remaining provisions of this Agreement, and that the invalidity of any provision shall not affect the validity of any other provision of this Agreement.

12.4 Merger

12.4.1 The parties agree that the terms of this Agreement, include the entire Agreement between the parties and that no other representation either oral or written may be used to contradict the terms of this

Agreement. If there is any conflict between the terms of the contract documents, the latter shall prevail and take precedence.

12.5 Confidential Information

12.5.1 While performing services for the Owner, the Contractor shall not disclose any confidential business information that may become known to the Contractor. Personnel acting on behalf of the Contractor shall be instructed to not remove any of the Owner's documents or materials and to not disclose any confidential information to any persons other than Owner personnel, unless written authorization from the Owner is provided.

12.5.2 All documents and materials prepared pursuant to the RFP and this Contract shall be the property of Dawson County. The Owner shall have the unrestricted authority to publish, disclose, distribute and otherwise use, in whole or in part, any reports, data, maps, or other materials prepared in accord with the terms of this Contract and Agreement.

12.6 Litigation and Arbitration

12.6.1 The Owner and the Contractor agree to resolve through negotiation, mediation or arbitration any disputes between the parties arising out of or relating to this Contract and Agreement. If the parties do not resolve the dispute through negotiation and do not agree to mediation, then arbitration shall be the exclusive and final method of resolving any disputes related to this agreement. Arbitration proceedings shall be in accord with O.C.G.A. § 9-9-1, the Georgia Arbitration Code. Venue for any litigation arising for arbitration shall be the Superior Court of Dawson County, Georgia. A demand for arbitration shall be made within a reasonable term after the claim, dispute or other matter in question occurs but, not later than one-hundred eighty (180) days after such claim, dispute or other matter.

12.7 Condition Precedent – Litigation

12.7.1 This Contract shall be governed by the Laws of the State of Georgia. The Consultant hereby agrees that as a condition precedent to the filing of any legal action against the Owner arising out of or related to this Agreement, the Consultant shall first provide the Owner thirty (30) days' written notice of its intent to file such action. Such notice shall include an identification of the anticipated parties to the action and a description of all anticipated claims and causes of action to be asserted.

12.8 Term of Agreement

12.8.1 The term of a Contract awarded as a result of the RFP shall be from the time the Proposal is awarded until delivery and acceptance of the work solicited by Dawson County.

12.9 Multi-year Contract

12.9.1 This Contract and Agreement shall not be eligible for a multi-year contract term.

12.9.2 This Contract shall 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 terms of this Contract or any renewal.

12.10 Notices

12.10.1 Any notice to be given in accord with the terms hereof may be affected either by personal delivery, by registered or certified mail, postage prepaid with return receipt requested, or by recognized overnight delivery service. This Agreement and any documents relating to it may be executed and transmitted to the parties listed below by electronic mail, which electronic mail shall be deemed to be, and utilized in all respects as, an original, wet-inked manually executed document when both parties have executed their part in blue ink. Notice shall be delivered as follows:

Owner:

Consultant:

Dawson County Board of Commissioner

Attn: Melissa Hawk

25 Justice Way, Suite 2223

Dawsonville, GA 30534

Email: mhawk@dawsoncounty.org

Phone: 706-344-3500 x42223

-Signature Page to Follow-

IN WITNESS WHEREOF, the Undersigned have set their hands and seals on the day and date appearing below the signatures of their authorized representatives.

**OWNER:
DAWSON COUNTY, GEORGIA**

By: _____

Name: _____

Title: _____

Date: _____

Attest:

By: _____

Name: _____

Title: County Clerk

CONTRACTOR:

By: _____

Name: _____

Title: _____

Date: _____

Attest:

By: _____

Name: _____

Title: _____

EXHIBIT "A"

-End of Exhibit "A"

EXHIBIT "B"

-End of Exhibit "B"

EXHIBIT "C"

AFFIDAVIT OF PAYMENT OF CLAIMS

(SUBMIT TO THE PURCHASING MANAGER AT TME OF FINAL INVOICE)

_____ this _____ day of _____,

20_____ appeared before me _____, a Notary

Public, in and for _____, and being by me first duly

sworn states that all subcontractors and suppliers of labor and materials have been paid all sums

due them to date for work performed or material furnished in the performance of the contract

between:

Dawson County Board of Commissioners and _____(Contractor),

last signed _____, 20___ for IFB #372-20 Harry Sosebee Road/Lumpkin Campground

Road Round-about

BY: _____

TITLE: _____

DATE: _____

(Seal)

Subscribed and sworn to before the _____ day

of _____, _____

My commission expires on the _____ day

of _____, _____

NOTARY PUBLIC

(Notary Seal)

EXHIBIT "D"
PAYMENT BOND

STATE OF GEORGIA
COUNTY OF DAWSON

KNOW ALL MEN BY THESE PRESENTS, that we, _____, as Principal, (herein after known as "Contractor"), and we _____, as Surety, do hereby acknowledge ourselves indebted and firmly bound and held unto Dawson County, Georgia for the use and benefit of those entitled thereto in the sum of _____ and _____/100 Dollars (_____) for the payment of which will and truly to be made, in lawful money of the United States, we do hereby bind ourselves, successors, assigns, heirs, and personal representatives.

BUT THE CONDITION OF THE FOREGOING OBLIGATION BOND IS THIS:

WHEREAS, the County has engaged the said Contractor for the sum of _____ and ___/100 Dollars (_____) for the **IFB #372-20 Harry Sosebee Road/Lumpkin Campground Road Round-about** as more fully appears in a written Agreement bearing the same project title, a copy of which Agreement is by reference hereby made a part thereof.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if said Contractor and all subcontractors to whom any portion of the work provided for in said Contract is sublet and all assignees of said Contract and of such subcontractors shall promptly make payments to all persons supplying him or them with labor, products, services, or supplies for or in the prosecution of the work provided for in such Contract, or in any amendment or extension of or addition to said Contract, and for the payment of reasonable attorney's fees, incurred by the claimants in suits on this bond, then the above obligation shall be void; otherwise, it shall remain in full force and effect.

HOWEVER, this bond is subject to the following conditions and limitations:

a) Any person, firm or corporation that has furnished labor, products, or supplies for or in the prosecution of the work provided for in said Contract shall have a direct right of action against the Contractor and Surety on this bond, which right of action shall be asserted in a proceeding, instituted in the county in which the work provided for in said Contract is to be performed or in any county in which Contractor or Surety does business. Such right of action shall be asserted in proceedings instituted in the name of the claimant or claimants for his or their use and benefit against said Contractor and Surety or either of them (but not later than one year after the final settlement of said Contract) in which action such claim or claims shall be adjudicated and judgment rendered thereon.

b) The Principal and Surety hereby designate and appoint _____ as the agent of each of them to receive and accept service of process or other pleading issued or filed in any proceeding instituted on this bond and hereby consent that such service shall be the same as personal service on the Contractor and/or Surety.

c) In no event shall the Surety be liable for a greater sum than the penalty of this bond or subject to any suit, action or proceeding thereon that is instituted later than one year after the final

settlement of said contract.

This bond is given pursuant to and in accordance with the provisions of O.C.G.A. Sections 36-10-1 et seq and 36-91-50 et seq and all the provisions of the law referring to this character of bond as set forth in said sections or as may be hereinafter enacted, and these are hereby made a part hereof to the same extent as if set out herein in full.

IN WITNESS WHEREOFF, the said Contractor has hereunder affixed its signature and said Surety has hereunto caused to be affixed its corporate signature and seal, but its duly authorized officers, on this _____ day of _____, _____ Executed in two (2) counterparts.

CONTRACTOR:

Company

Print Authorized Representative

Signature

Title

Title: _____

(Seal)

Signed, sealed and delivered
in the presence of:

1. _____

2. _____

SURETY:

Surety

Print Authorized Representative

Signature

Title

Signed, sealed and delivered
in the presence of:

(Seal)

1. _____

2. _____

-PAYMENT BOND TO FOLLOW-

EXHIBIT "E"
PERFORMANCE BOND

STATE OF GEORGIA
COUNTY OF DAWSON

KNOW ALL MEN BY THESE PRESENTS, that we, _____, as Principal, (herein after known as "Contractor"), and we _____, as Surety, do hereby acknowledge ourselves indebted and firmly bound and held unto Dawson County, Georgia for the use and benefit of those entitled thereto in the sum of _____ and _____/100 Dollars (_____) for the payment of which will and truly to be made, in lawful money of the United States, we do hereby bind ourselves, successors, assigns, heirs, and personal representatives.

BUT THE CONDITION OF THE FOREGOING OBLIGATION BOND IS THIS:

WHEREAS, the County has engaged the said Contractor for the sum of _____ and ___/100 Dollars (_____) for the **IFB #372-20 Harry Sosebee Road/Lumpkin Campground Road Round-about** as more fully appears in a written Agreement bearing the same project title, a copy of which Agreement is by reference hereby made a part thereof.

NOW, THEREFORE, if a said Contractor shall fully and faithfully perform all the undertakings and obligations under the said agreement or contract herein before referred to and shall fully indemnify and save harmless the said Owner from all costs and damage whatsoever which it may suffer by reason of any failure on the part of said Contractor to do so, and shall fully reimburse and repay the said Owner such default, and shall guarantee all products and workmanship against defects for a period of one year, then this obligation or bond shall be null and void, otherwise, it shall remain in full force and effect.

And for value received it is hereby stipulated and agreed that no change, extension of time, alteration or addition to the terms of the said Agreement or Contract or in the work to be performed thereunder, or the Specifications accompanying the same shall in any way affect the obligations under this obligation or bond, and notice is hereby waived of any such change extension of time, alteration or addition to the terms of the Agreement or Contract or to the work or to the Specifications.

This bond is given pursuant to and in accordance with the provisions of O.C.G.A. Sections 36-10-1 et seq and 36-91-50 et seq and all the provisions of the law referring to this character of bond as set forth in said sections or as may be hereinafter enacted, and these are hereby made a part hereof to the same extent as if set out herein in full.

IN WITNESS WHEREOFF, the said Contractor has hereunder affixed its signature and said Surety has hereunto caused to be affixed its corporate signature and seal, but its duly authorized officers, on this _____ day of _____, _____ Executed in two (2) counterparts.

CONTRACTOR:

Company

Print Authorized Representative

Signature

Title

Title: _____

(Seal)

Signed, sealed and delivered
in the presence of:

1. _____

2. _____

SURETY:

Surety

Print Authorized Representative

Signature

Title

Signed, sealed and delivered
in the presence of:

(Seal)

1. _____

2. _____

-PERFORMANCE BOND TO FOLLOW-

-CERTIFICATE OF INSURANCE TO FOLLOW-

DRAWING INDEX

COVER SHEET	G1.01
ROAD SITE PLAN & STRIPING	G2.01
RIGHT OF WAY & EASEMENT ACQUISITION	G2.02
GRADING & DRAINAGE PLAN	G3.01
STORM DRAIN PROFILES & CHARTS	G3.02
ENGINEERING STANDARD DETAILS	G3.03-G3.11
ROADWAY PROFILES	G4.01
ROADWAY PROFILES	G5.01
ROADWAY CROSS SECTIONS	G5.02-G5.03
EROSION, SEDIMENT & POLLUTION CONTROL NOTES	G6.01-G6.04
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INITIAL PHASE - EROSION, SEDIMENT & POLLUTION CONTROL PLAN	G6.08
GRADING PHASE - EROSION, SEDIMENT & POLLUTION CONTROL PLAN	G6.09
FINAL PHASE - EROSION, SEDIMENT & POLLUTION CONTROL PLAN	G6.10

ROAD CONSTRUCTION PLANS

for:

HARRY SOSEBEE ROAD & LUMPKIN CAMPGROUND ROAD ROUNDABOUT

Land Lots 496 & 497
13th District, South Section
Dawson County, Georgia

SITE DATA

- Developer/ Owner/ Primary Permittee:**
Dawson County Public Works
60 Transportation Lane
Dawsonville, GA 30534
P: (706) 344-3500 ext. 42227
- Project Engineer:**
Ensité Civil Consulting, LLC.
Corey Gutherie, PE
131 Prominence Court, Suite 230
Dawsonville, GA 30534
P: (770) 597-8813
Email: corey.gutherie@ensiteconsulting.com
- Project Surveyor:**
The Acre Group
P.O. Box 54
Loganville, GA 30052
P: (678) 873-7932
Contact: Joey Brewer, RLS
Survey information shown on these plans provided to this Firm electronically.
- 24-hour Contact:**
David McKee, Public Works Director
P: (404) 344-3500 ext. 42227
dmckee@dawsoncounty.org
- Total Project Area:** 1.5 Ac
Disturbed Area: 1.5± Ac
- Project Narrative:**
The Lumpkin Campground Road Roundabout is the proposed construction of a roundabout at the intersection of Lumpkin Campground Road, Lee Castleberry Road, and the realigned Harry Sosebee Road, including related sewer and storm water infrastructure.

ENSITE CIVIL CONSULTING, LLC
131 Prominence Court, Suite 230
Dawsonville, GA 30534
Mobile: 770-597-8813
Contact: Corey Gutherie, PE, CFM
Email: Corey.Gutherie@ensiteconsulting.com

OWNER/DEVELOPER:
DAWSON COUNTY PUBLIC WORKS
60 TRANSPORTATION LANE
DAWSONVILLE, GA 30534

**PHONE: (706) 344-3500
EXT. 42227**

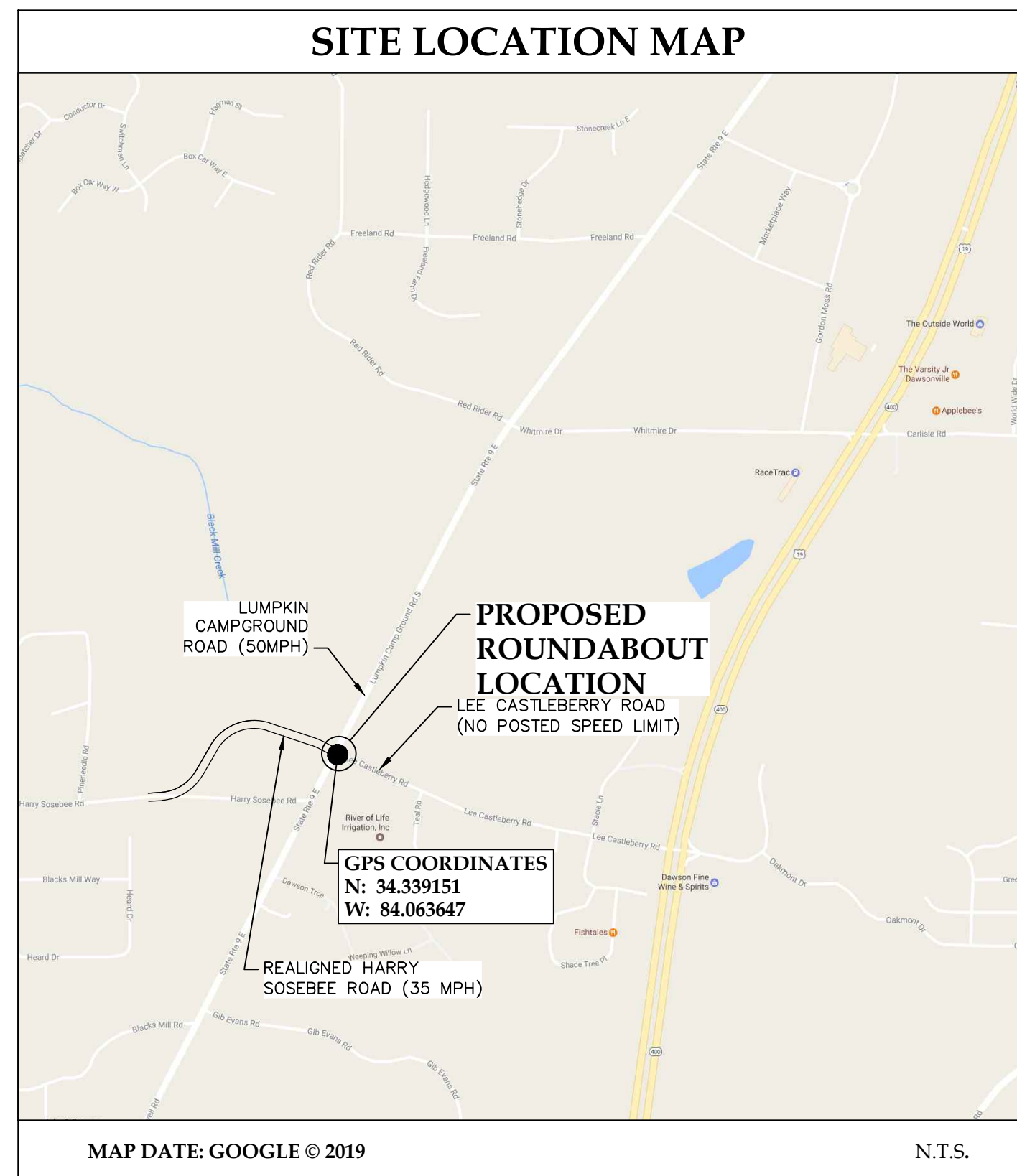
24-HOUR CONTACT:
DAVID MCKEE
(706) 344-3500 EXT. 42227
EMAIL:
dmckee@dawsoncounty.org

PROJECT:
HARRY SOSEBEE ROAD & LUMPKIN CAMPGROUND ROAD ROUNDABOUT

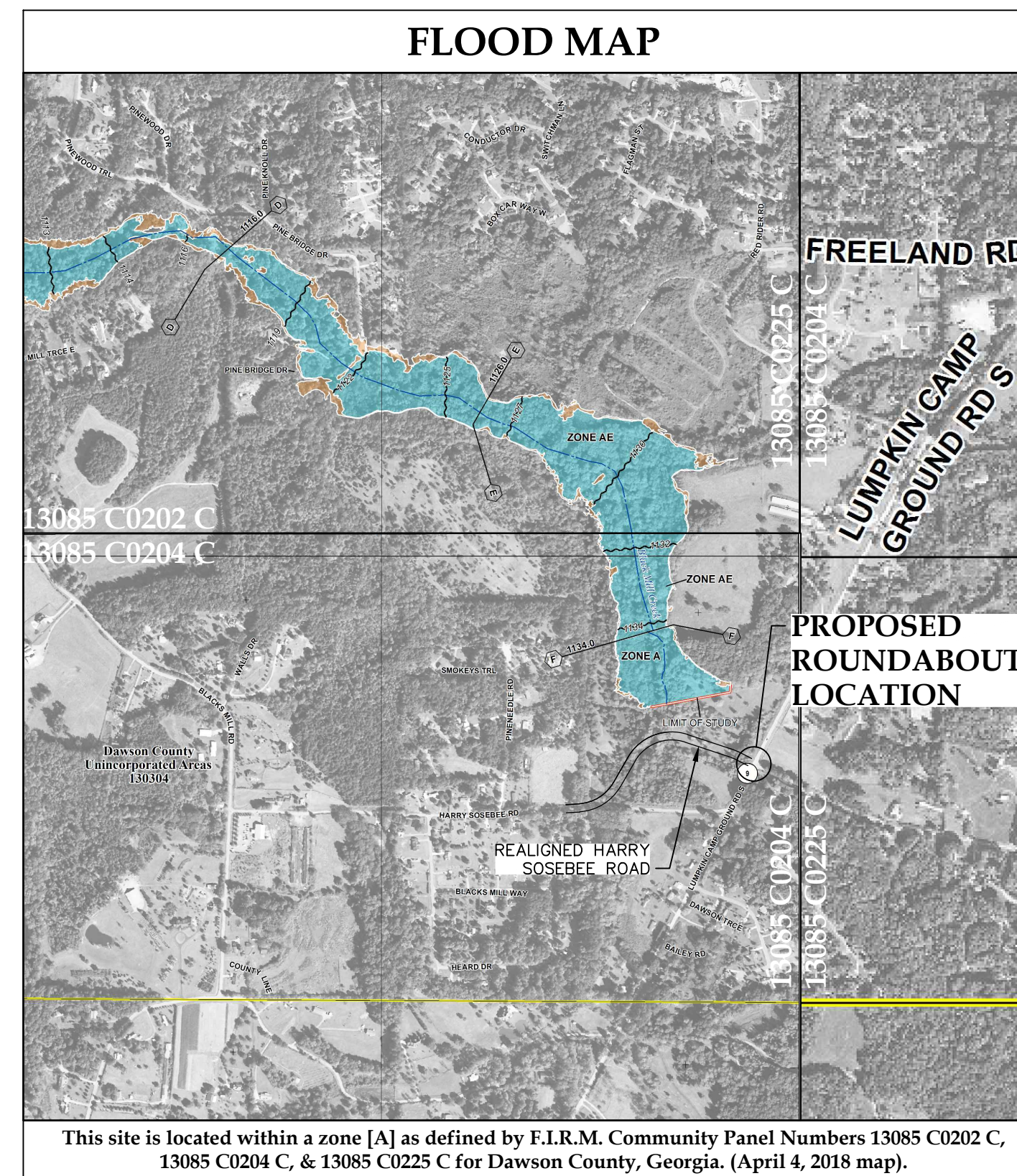
LOCATED IN:
LAND LOTS 496, & 497
13th DISTRICT, South SECTION,
DAWSON COUNTY, GEORGIA

APPROVAL STAMPS

SITE LOCATION MAP



FLOOD MAP

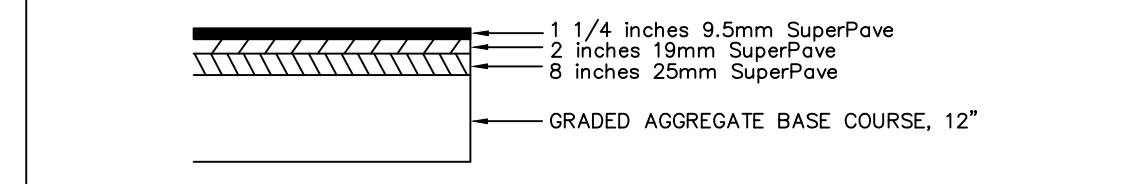


GENERAL NOTES

- All work shall comply with applicable Federal, State, and Local codes, standards and specifications (latest edition), and applicable building and construction codes. All necessary permits and licenses shall be obtained by the Contractor at his expense, unless previously obtained by the Owner.
- All work shall be performed in a finished and workmanlike manner to the entire satisfaction of the Owner and in accordance with the best recognized trade practices.
- Deviations from these plans without prior consent of the Owner or his/her representative may be cause for the work to be unacceptable.
- If the Contractor, in the course of work, finds any discrepancy between the plans and the physical conditions of the locality, or any errors or omissions in the plans or the layout as given by the Engineer, it shall be his or her duty to immediately inform the Engineer, in writing, and the Engineer will promptly verify the same. Any work done after such discovery, until otherwise authorized, will be at the Contractor's risk.
- THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.
- CONSTRUCTION WASTE AND/OR VEGETATIVE MATERIAL MAY NOT BE BURNED OR BURIED AND MUST BE TAKEN TO A STATE APPROVED LANDFILL.
- ALL IMPROVEMENTS SHALL CONFORM TO GDOT, DAWSON COUNTY, AND ETOWAH WATER & SEWER AUTHORITY CONSTRUCTION STANDARDS AND SPECIFICATIONS, LATEST EDITION, AS APPLICABLE.
- Maximum out slopes shall be 2-horizantal to 1-vertical.
- Topographic information shown was provided in the form of 2-foot interval LIDAR generated electronic media procured through the Dawson County GIS Department. Neither Dawson County nor the design engineer can guarantee the contours produced by LIDAR data accurately reflect the ground surface elevation, particularly in heavily vegetated areas. It is recommended by the design engineer to confirm the ground surface elevation after vegetation is cleared and grubbed before the site is graded.
- It is the responsibility of the Developer/Owner to ensure compliance with all NPDES Permit regulation including notifying this firm when the required 7-day inspection is needed.
- All structures will comply with the requirements of the Georgia State Minimum Standard Codes, as adopted and amended by the Georgia Department of Community Affairs. Approval of this permit will not justify any deviation in the Fire Separation Distance requirements of the Georgia State Minimum Standards.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A MARKED UP SET OF DRAWINGS SHOWING "AS-BUILT" CONDITIONS. THESE "RECORD DRAWINGS" SHALL BE MADE AVAILABLE TO THE DESIGNER AND/OR INSPECTOR UPON REQUEST. THE MARK-UPS SHALL BE AT THE SITE AT ALL TIMES AND SHALL BE UTILIZED TO DEVELOP FINAL RECORD DRAWINGS.

PAVEMENT SECTION

NOT TO SCALE



SHEET TITLE:
COVER SHEET

STAMP:



DRAWING DATE: 2020-07-13

SHEET REVISIONS

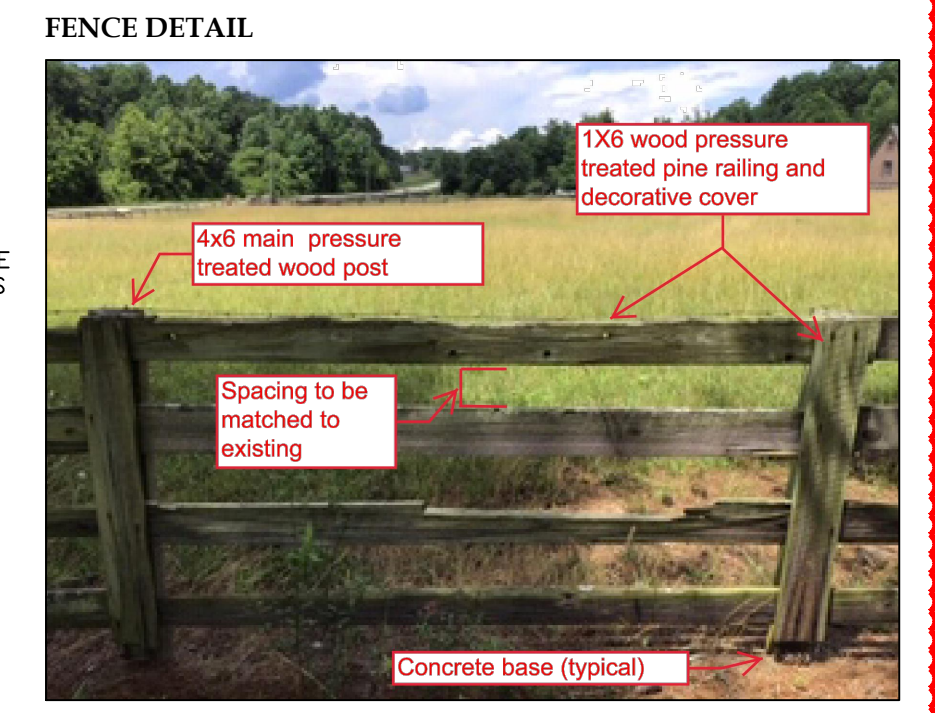
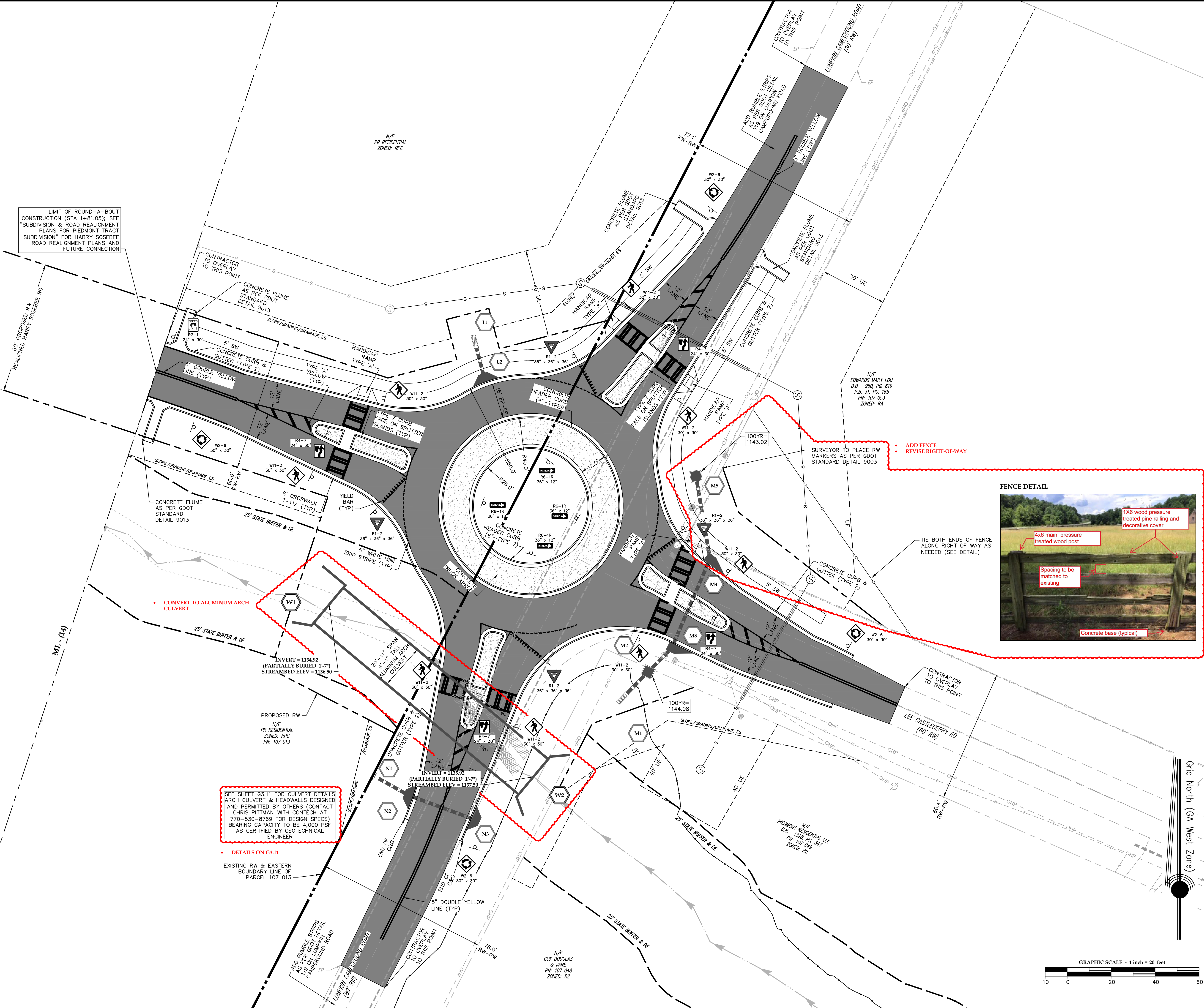
NO.	DESCRIPTION	DATE
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	CONVERT STORM LINE Y	
	TO ARCH CULVERT	
2	REVISE RW ON PROPERTY 107 053,	07/13/20
	ADD FENCE & LANDSCAPING,	
	CONVERT LINE W TO ARCH CULVERT & ADD DETAILS	

SHEET:
G1.01

TEXT/SYMBOLS LEGEND

AC	= Acres
ACCOMP	= Aluminized Steel Pipe - Type 2
AE	= Access Easement
BC	= Back Of Curb
BFE	= Basement Floor Elevation
BL	= Building (Setback) Line
BM	= Benchmark
BPE	= Basement Pad Elevation
BV	= Butterfly Valve
CC	= Curb & Gutter
CL	= Centerline
CMF	= Concrete Monument Found
CMP	= Corrugated Metal Pipe
CO	= Clean Out
CONC	= Concrete
CP	= Channel Protection
DCB	= Double Wing Catch Basin
DE	= Drainage Easement
DI	= Drop Inlet
DIP	= Ductile Iron Pipe
DM	= Doghouse Manhole
ELEV	= Elevation
EP	= Edge Of Pavement
ES	= Easement
FC	= Face Of Curb
FES	= Flared End Section
FFE	= Finished Floor Elevation
FPE	= Finished Pad Elevation
GH	= Garage Floor Elevation
GI	= Grate Inlet
GV	= Gate Valve
GW	= Guy Wire
HC	= Handicap Ramp
HDFPE	= High-Density Polyethylene
HGI	= Hooded Grate Inlet
HW	= Headwall
IE	= Invert Elevation
IPF	= Iron Pin Found
IPS	= Iron Pin Set
JB	= Junction Box
LL	= Land Lot
LLL	= Land Lot Line
LP	= Light Pole
MFFE	= Minimum FFE
MH	= Manhole
NAE	= Non-Access Easement
OG	= Oil-Grit Separator
OCS	= Outlet Structure
PC	= Point Of Curvature
PEP	= Polyethylene Pipe
PL	= Property Line
POB	= Point Of Beginning
PP	= Power Pole
PT	= Point Of Termination
PTP	= Power/Telephone Pole
PVC	= Polyvinyl Chloride Pipe
PVMT	= Pavement
RW	= Right-Of-Way
RCP	= Reinforced Concrete Pipe
SB	= Setback
SCB	= Single Wing Catch Basin
SES	= Safety End Section
SF	= Square Footage
SSE	= Sanitary Sewer Easement
STA	= Station
SW	= Concrete Sidewalk
TBR	= To Be Removed
TC	= Top Of Curb
TCE	= Temporary Construction Easement
TPOB	= True Point Of Beginning
UE	= Utility Easement
WA	= Water
WE	= Water Easement
WQ	= Water Quality
WV	= Water Valve
WV	= Air Release Valve
WV	= Butterfly Valve
WV	= Chlorine Tap
WV	= Gate Valve
WV	= Water Meter
WV	= Fire Hydrant
WV	= Reducer
WV	= Sanitary Sewer Lateral
WV	= Sewer Manhole
WV	= Stub
WV	= Thrust Block
WV	= Light Pole
WV	= Power/Telephone Pole
WV	= Right-Of-Way Monument
WV	= Telephone Pedestal
WV	= Cable TV Line
WV	= Fiber Optic Line
WV	= Force Main
WV	= Gas Line
WV	= Overhead Power Line
WV	= Overhead Telephone Line
WV	= Sanitary Sewer Line
WV	= Storm Line
WV	= Traffic Signal Line
WV	= Underground Power Line
WV	= Underground Telephone Line
WV	= Water Line
WV	= Water Reuse Line
WV	= Branch/Creek
WV	= Drainage Flow Arrow
WV	= Fence - Existing
WV	= Fence - Proposed
WV	= Guardrail
WV	= Ponding Limits
WV	= Silt Fence
WV	= Silt Fence - Double Row
WV	= Traverse Line/Point
WV	= Tree Save

LIMIT OF ROUND-A-BOUT CONSTRUCTION (STA 1+81.05); SEE "SUBDIVISION & ROAD REALIGNMENT PLANS FOR PIEDMONT TRACT SUBDIVISION" FOR HARRY SOSEBEE ROAD REALIGNMENT PLANS AND FUTURE CONNECTION



SEE SHEET G3.11 FOR CULVERT DETAILS ARCH CULVERT & HEADWALLS DESIGNED AND PERMITTED BY OTHERS (CONTACT CHRIS PITTMAN WITH CONTECH AT 770-530-8769 FOR DESIGN SPECS) BEARING CAPACITY TO BE 4,000 PSF AS CERTIFIED BY GEOTECHNICAL ENGINEER

DETAILS ON G3.11

EXISTING RW & EASTERN BOUNDARY LINE OF PARCEL 107 013



ENSITE
CIVIL CONSULTING, LLC
131 Prominence Court, Suite 230
Dawsonville, GA 30534
Mobile: 770-597-8813
Contact: Corey Guthrie, PE, CFM
Email: Corey.Guthrie@ensiteconsulting.com

OWNER/DEVELOPER:
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60 TRANSPORTATION LANE
DAWSONVILLE, GA 30534

PHONE: (706) 344-3500
EXT. 42227

24-HOUR CONTACT:
DAVID McKEE
(706) 344-3500 EXT. 42227
EMAIL:
dmckee@dawsoncounty.org

PROJECT:
HARRY SOSEBEE ROAD & LUMPKIN CAMPGROUND ROAD ROUNDABOUT

LOCATED IN:
LAND LOTS 496, & 497
13th DISTRICT, South SECTION,
DAWSON COUNTY, GEORGIA

SHEET TITLE:
ROADWAY PLAN & STRIPING

GEORGIA811
Utilities Protection Center, Inc.
1-800-282-7411
Know what's below.
Call before you dig.

STAMP:
GEORGIA REGISTERED PROFESSIONAL ENGINEER
COREY RYSON GUTHRIE
EXPIRES DECEMBER 31, 2020
GSWCC CERT. # 0000020671
EXPIRES OCTOBER 21, 2021

DRAWING DATE: 2020-07-13

SHEET REVISIONS

NO.	DESCRIPTION	DATE
1	ADD PLUNGE POOLS M & N,	05/29/20
2	CONVERT STORM LINE Y TO ARCH CULVERT	
3	REVISE RW ON PROPERTY 107 053,	07/13/20
4	ADD FENCE & LANDSCAPING, CONVERT LINE W TO ARCH CULVERT & ADD DETAILS	

SHEET:
G2.01

FILE: 17017P

RIGHT OF WAY #1		
POINT	NORTHING	EASTING
12	1578530.055	2327764.823
14	1578497.448	2327747.934
26	1578509.868	2327772.012
27	1578458.276	2327837.690

RIGHT OF WAY #3		
POINT	NORTHING	EASTING
1	1578602.621	2327516.579
2	1578570.957	2327612.557
3	1578579.183	2327643.945
4	1578597.517	2327639.140
5	1578602.588	2327658.487
6	1578584.253	2327683.292
7	1578597.244	2327712.860
8	1578409.367	2327615.684
9	1578438.483	2327559.393
10	1578516.792	2327585.227
11	1578545.641	2327497.782

RIGHT OF WAY #2		
POINT	NORTHING	EASTING
15	1578430.145	2327751.506
16	1578413.760	2327705.493
17	1578380.176	2327688.210
18	1578387.589	2327680.363
19	1578447.713	2327711.389

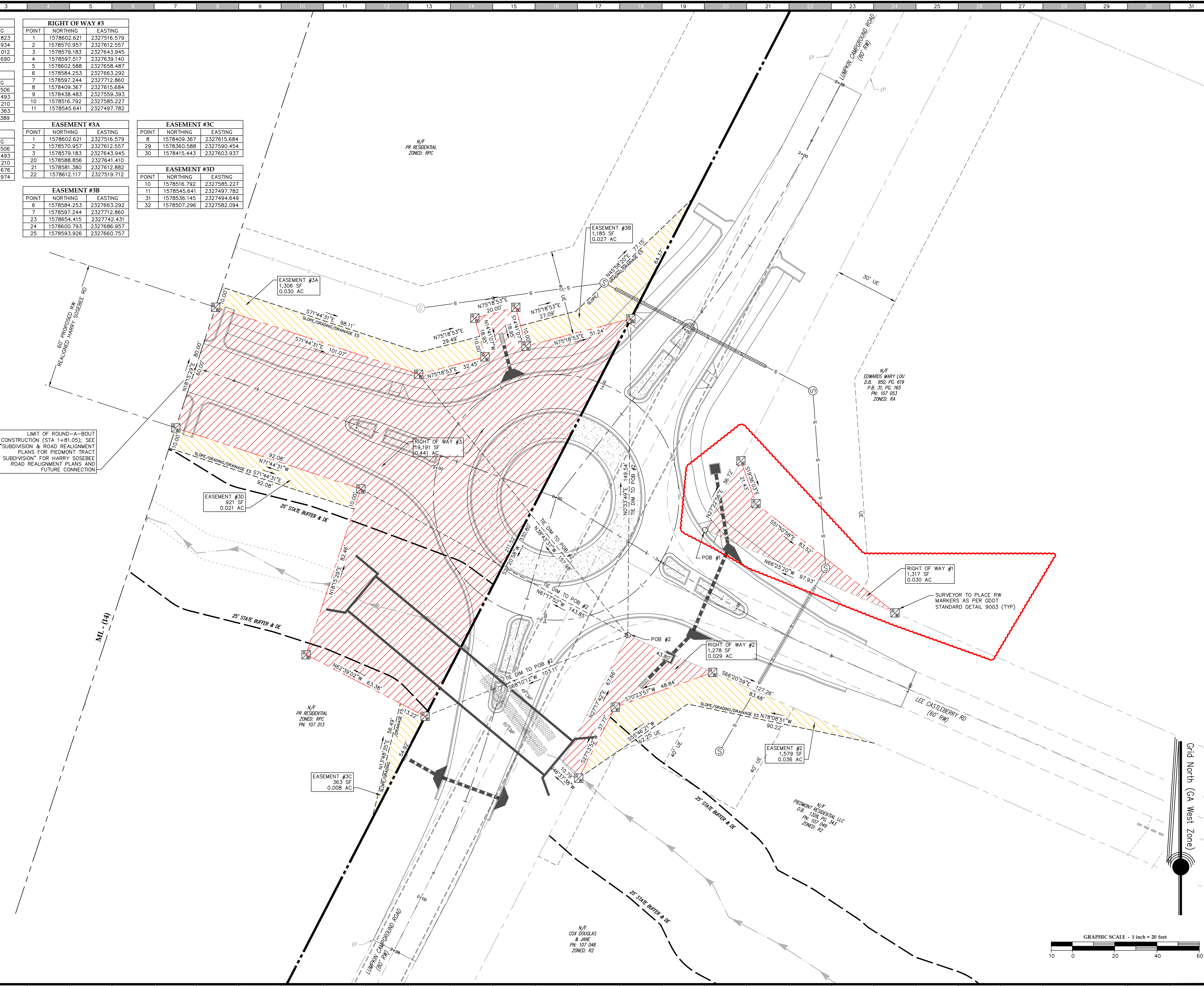
EASEMENT #3A		
POINT	NORTHING	EASTING
1	1578602.621	2327516.579
2	1578570.957	2327612.557
3	1578579.183	2327643.945
20	1578588.856	2327641.410
21	1578581.380	2327612.882
22	1578612.117	2327519.712

EASEMENT #3C		
POINT	NORTHING	EASTING
8	1578409.367	2327615.684
29	1578360.588	2327590.454
30	1578415.443	2327603.937

EASEMENT #2		
POINT	NORTHING	EASTING
15	1578430.145	2327751.506
16	1578413.760	2327705.493
17	1578380.176	2327688.210
27	1578415.188	2327739.676
28	1578396.657	2327827.974

EASEMENT #3B		
POINT	NORTHING	EASTING
6	1578584.253	2327663.292
7	1578597.244	2327712.860
23	1578654.415	2327742.431
24	1578600.793	2327686.957
25	1578593.926	2327660.757

LIMIT OF ROUND-A-BOUT CONSTRUCTION (STA 1+81.05); SEE "SUBDIVISION & ROAD REALIGNMENT PLANS FOR PIEDMONT TRACT SUBDIVISION" FOR HARRY SOSEBEE ROAD REALIGNMENT PLANS AND FUTURE CONNECTION



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Dawsonville, GA 30534
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Contact: Corey Guthrie, PE, CFM
Email: Corey.Guthrie@ensiteconsulting.com

OWNER/DEVELOPER:
DAWSON COUNTY PUBLIC WORKS
60 TRANSPORTATION LANE
DAWSONVILLE, GA 30534

PHONE: (706) 344-3500
EXT. 42227

24-HOUR CONTACT:
DAVID McKEE
(706) 344-3500 EXT. 42227
EMAIL:
dmckee@dawsoncounty.org

PROJECT:
HARRY SOSEBEE ROAD & LUMPKIN CAMPGROUND ROAD ROUNDABOUT

LOCATED IN:
LAND LOTS 496, & 497
13th DISTRICT, South SECTION,
DAWSON COUNTY, GEORGIA

SHEET TITLE:
RIGHT OF WAY & EASEMENT ACQUISITION



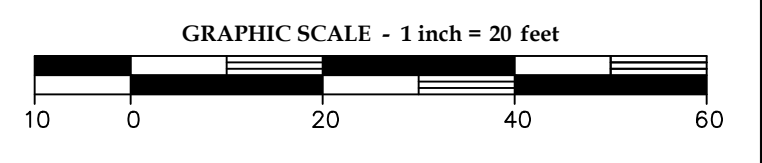
STAMP:
GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. 33049
COREY RYSON GUTHERIE
EXPIRES DECEMBER 31, 2020
GSWCC CERT. # 000020671
EXPIRES OCTOBER 21, 2021

DRAWING DATE: 2020-07-13

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	TO ARCH CULVERT	
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	ADD FENCE & LANDSCAPING,	
	CONVERT LINE W TO ARCH CULVERT & ADD DETAILS	

SHEET:
G2.02



FILE: 17017P

GRADING NOTES

- SPOT ELEVATIONS ARE SHOWN TO BACK OF CURB UNLESS OTHERWISE NOTED.
- FE = FLUME END
- FS = FLUME START
- GS = GROUND SHOT
- HP = HIGH POINT
- LP = LOW POINT
- ADD 1100 TO ALL SPOT ELEVATIONS TO CONVERT TO MSL.

LIMIT OF ROUND-ABOUT CONSTRUCTION (STA 1+81.05); SEE "SUBDIVISION & ROAD REALIGNMENT PLANS FOR PIEDMONT TRACT SUBDIVISION" FOR HARRY SOSEBEE ROAD REALIGNMENT PLANS AND FUTURE CONNECTION

LIGHTING PLAN NOT INCLUDED IN THESE PLANS. SHOULD LIGHTING BE REQUIRED SEPARATE PLAN TO BE PROVIDED

SEE SHEET G3.11 FOR CULVERT DETAILS ARCH CULVERT & HEADWALLS DESIGNED AND PERMITTED BY OTHERS (CONTACT CHRIS PITTMAN WITH CONTECH AT 770-530-8769 FOR DESIGN SPECS) BEARING CAPACITY TO BE 4,000 PSF AS CERTIFIED BY GEOTECHNICAL ENGINEER

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LOCATED IN:
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13th DISTRICT, South SECTION,
DAWSON COUNTY, GEORGIA

SHEET TITLE:
GRADING & DRAINAGE PLAN

GEORGIA811
Utilities Protection Center, Inc.
1-800-282-7411
Know what's below.
Call before you dig.

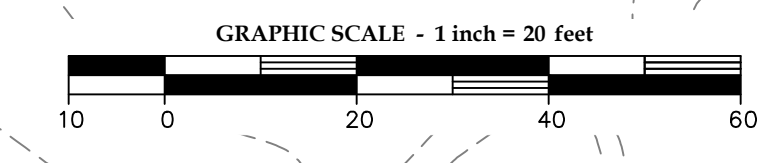
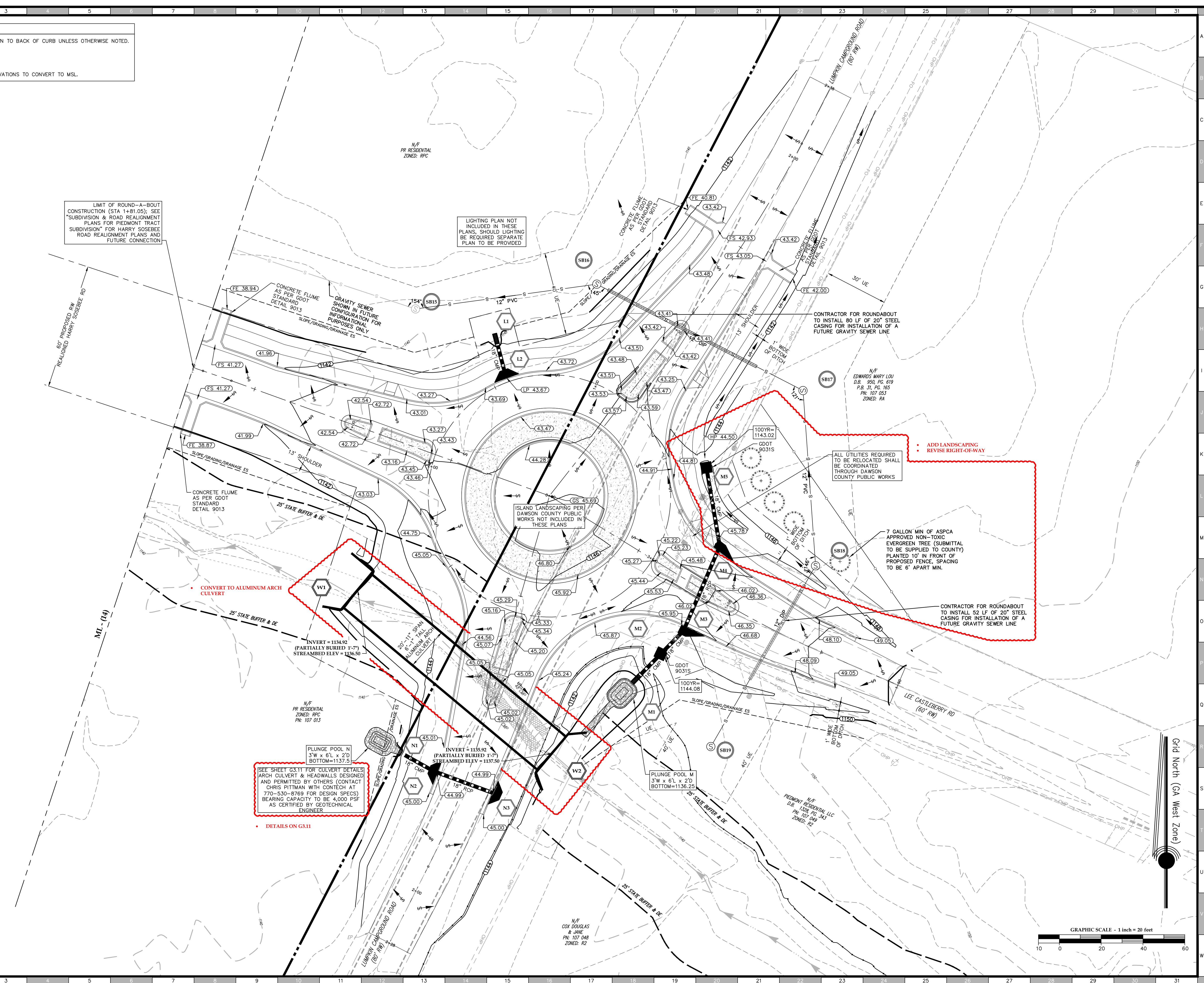
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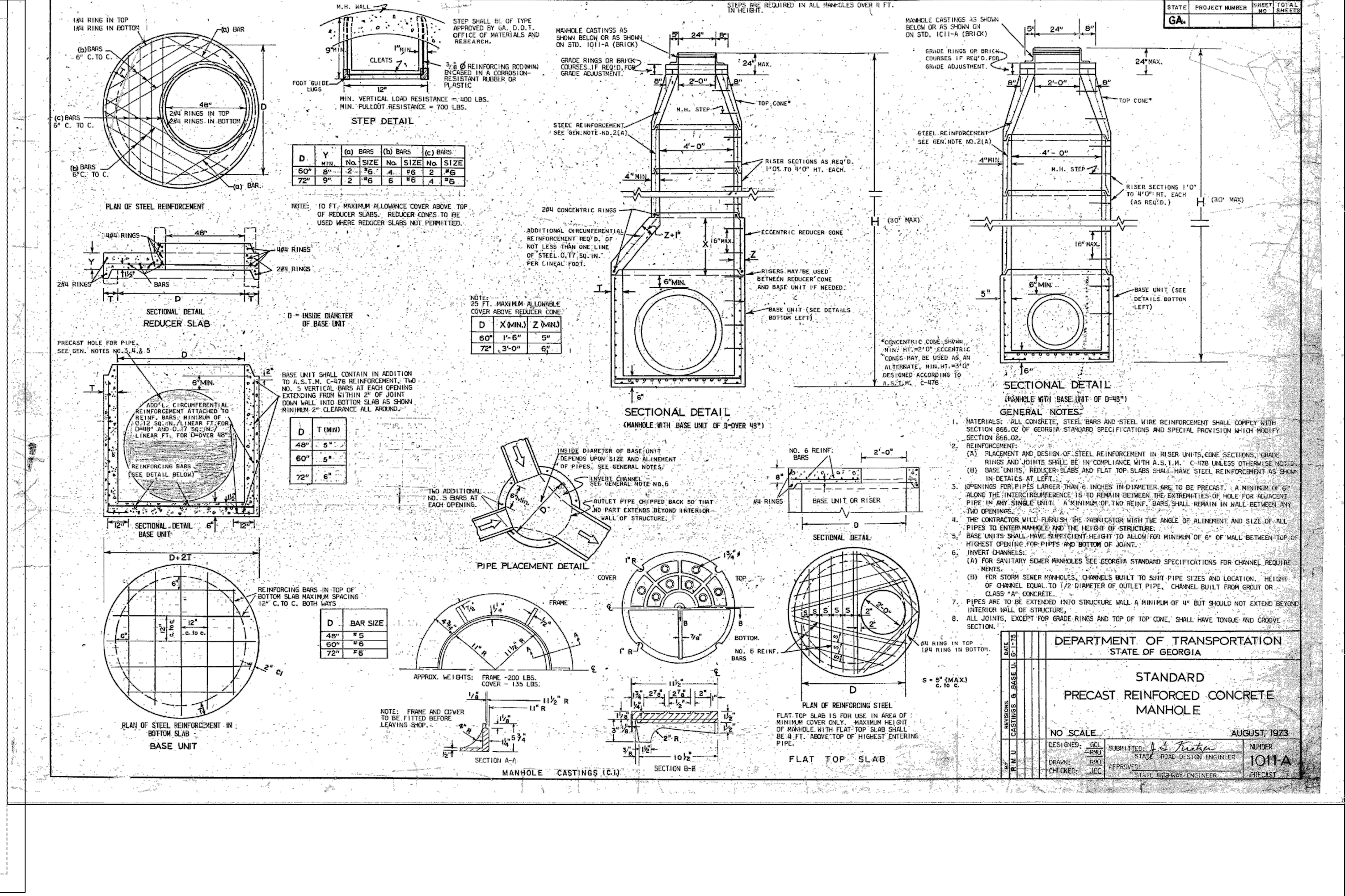
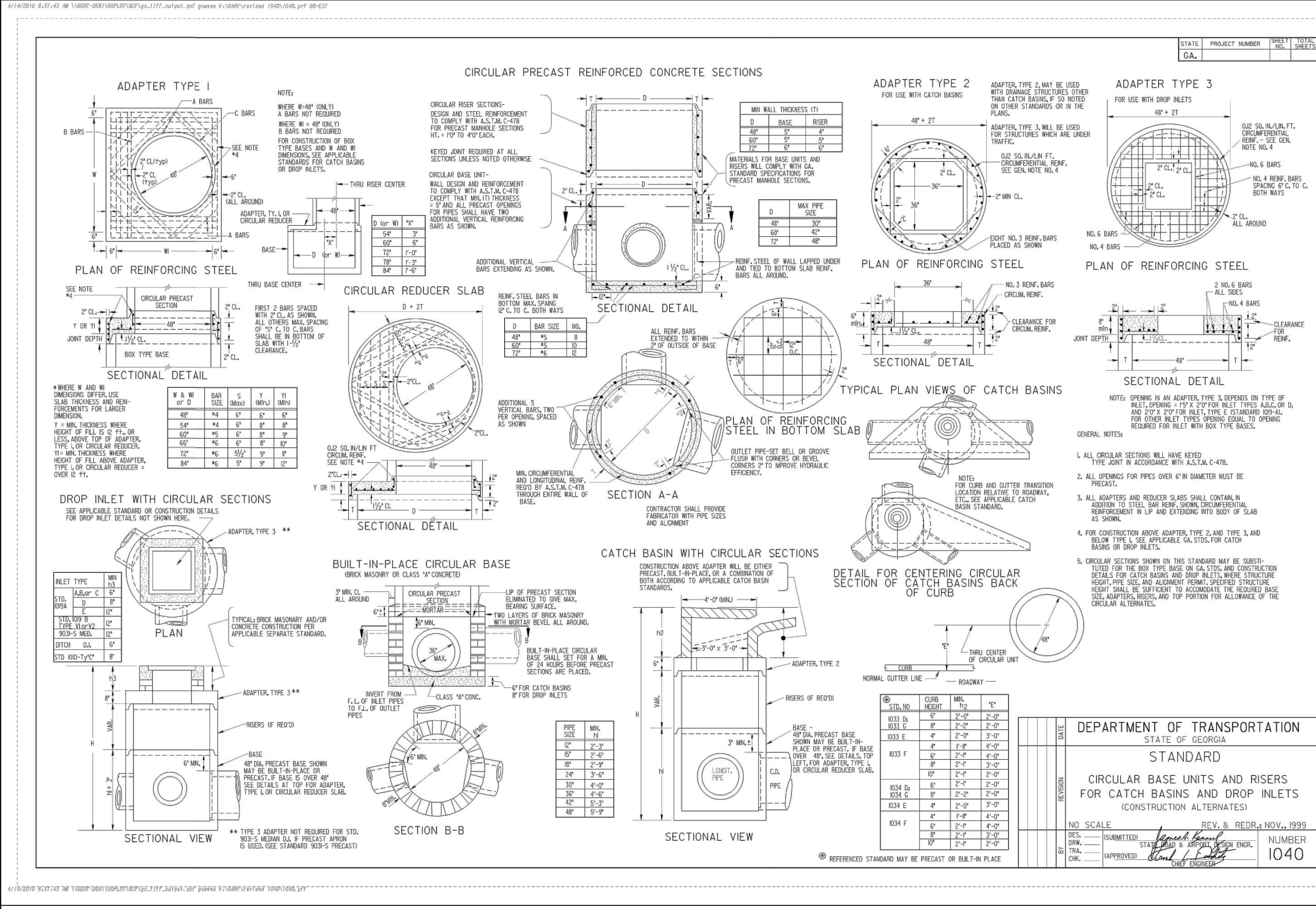
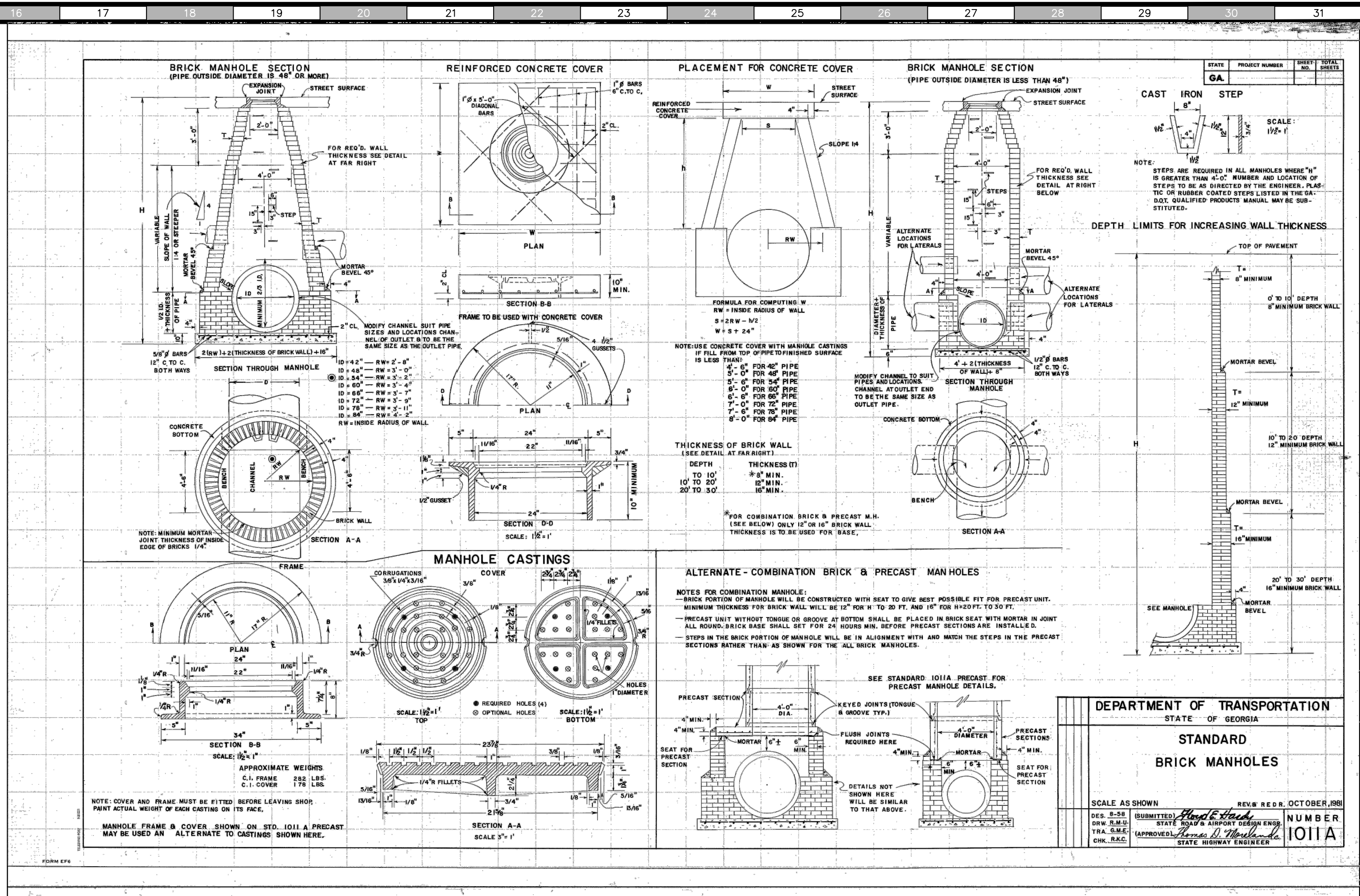
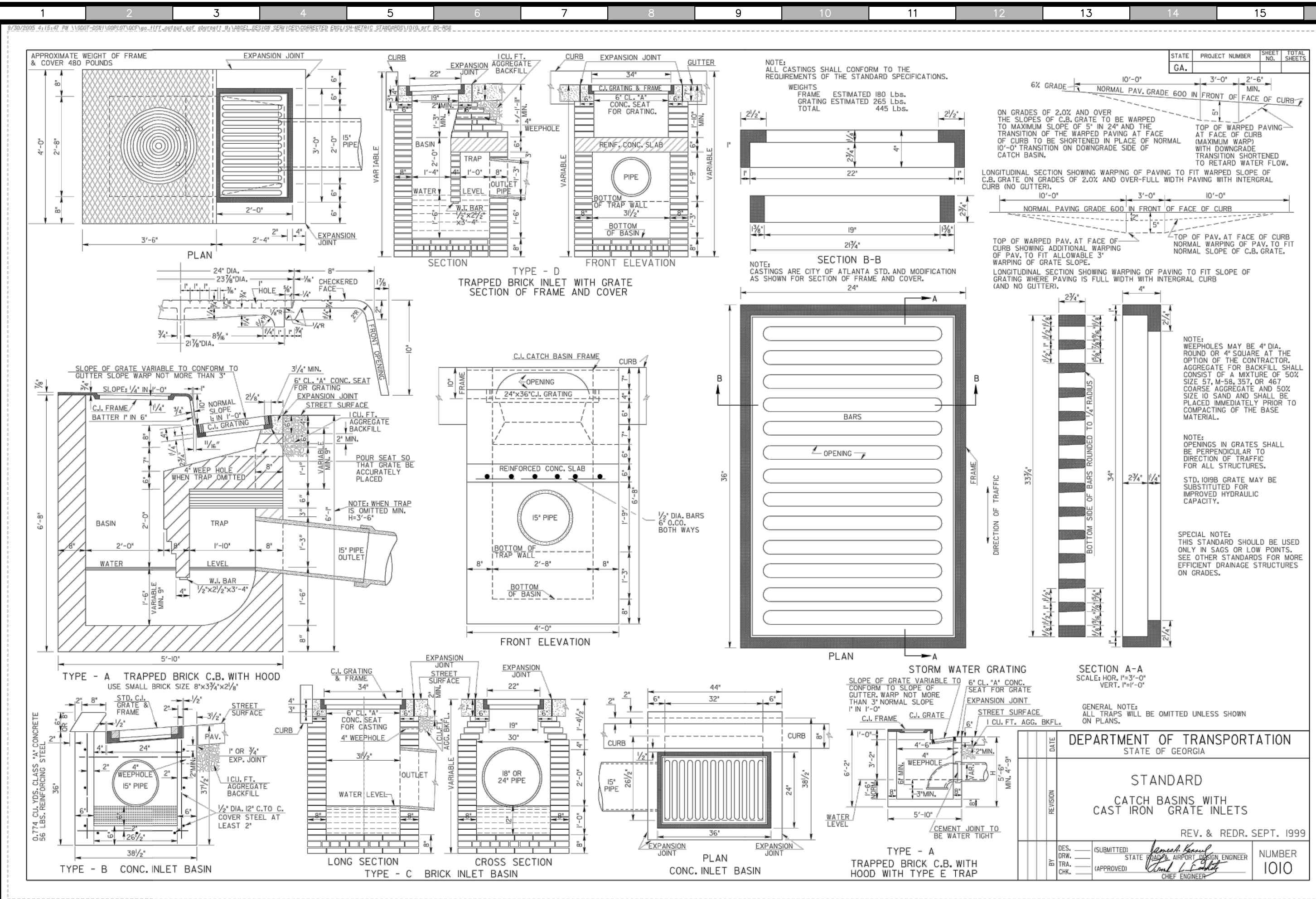
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SHEET:
G3.01



Grid North (GA West Zone)



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PROJECT:
**HARRY SOSEBEE
ROAD & LUMPKIN
CAMPGROUND
ROAD
ROUNDAOUT**

LOCATED IN:
LAND LOTS 496, & 497
13th DISTRICT, South SECTION,
DAWSON COUNTY, GEORGIA

SHEET TITLE:
**ENGINEERING
STANDARD
DETAILS**

**GEORGIA811
Utilities Protection Center, Inc.**
1-800-282-7411
Know who's below.
Call before you dig.

STAMP:
**GEORGIA
REGISTERED
ENGINEER
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NO SCALE
AUGUST 1993
REVISED: 1-4-1999
CHECKED: [Signature]
DESIGNED: [Signature]

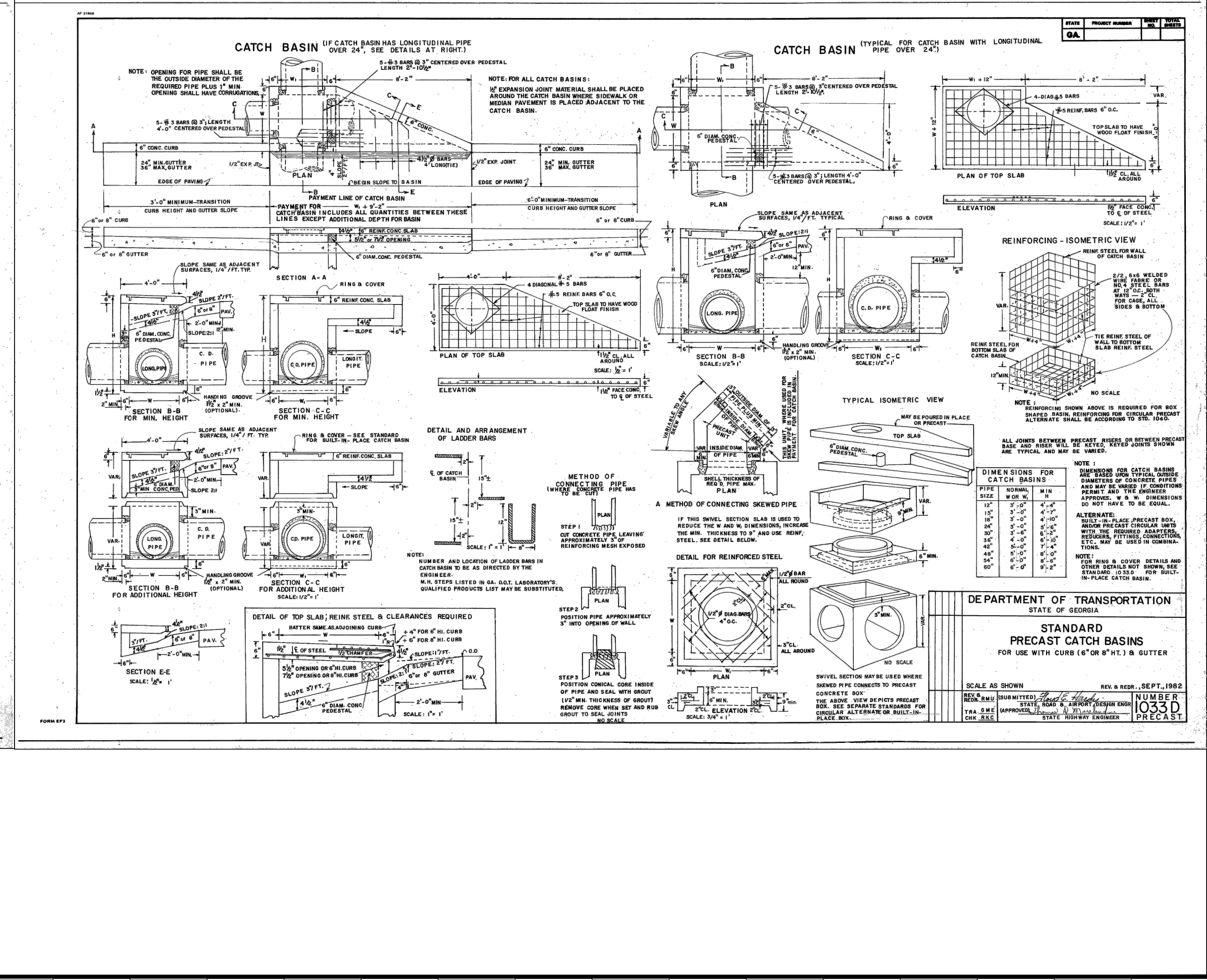
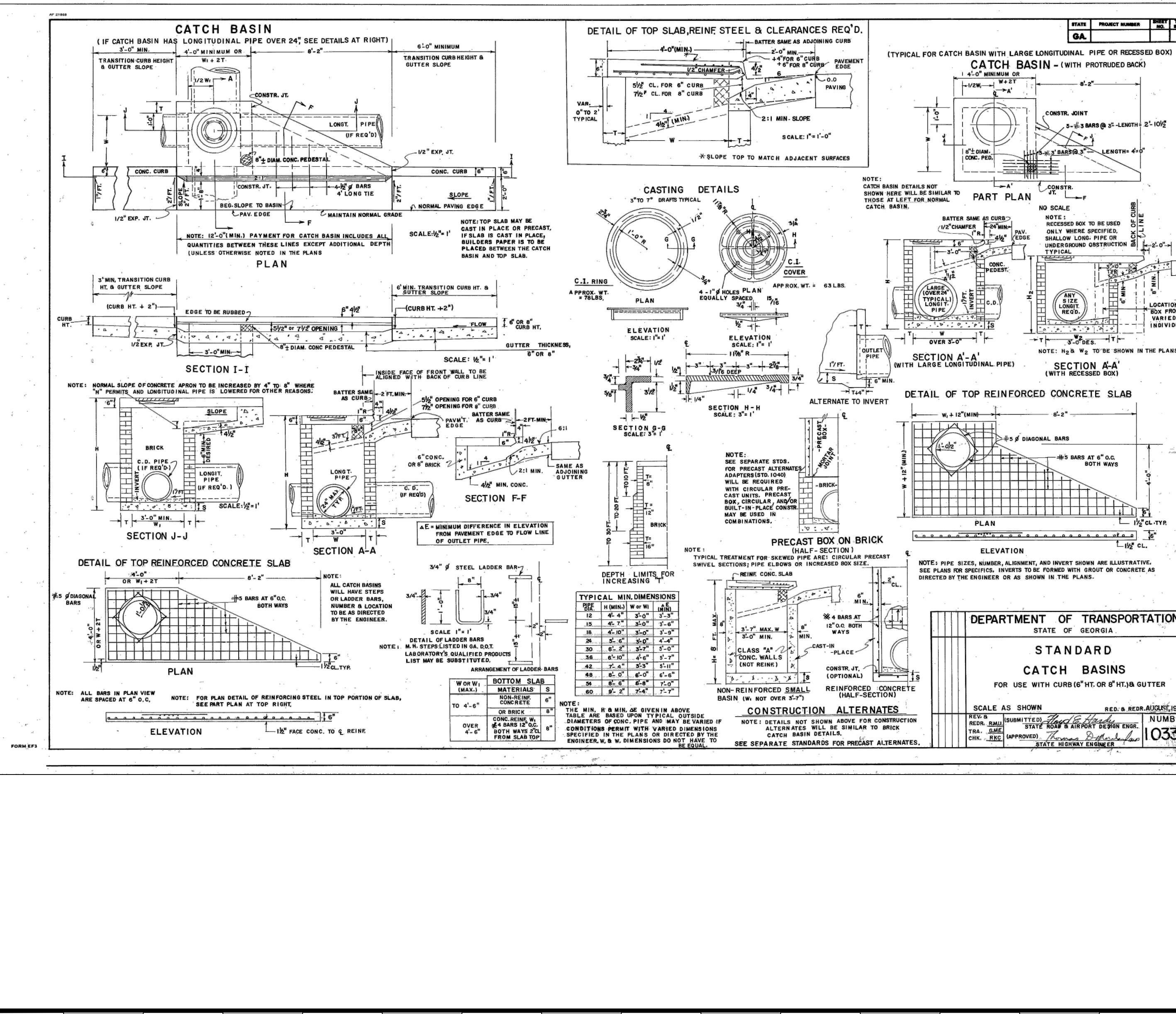
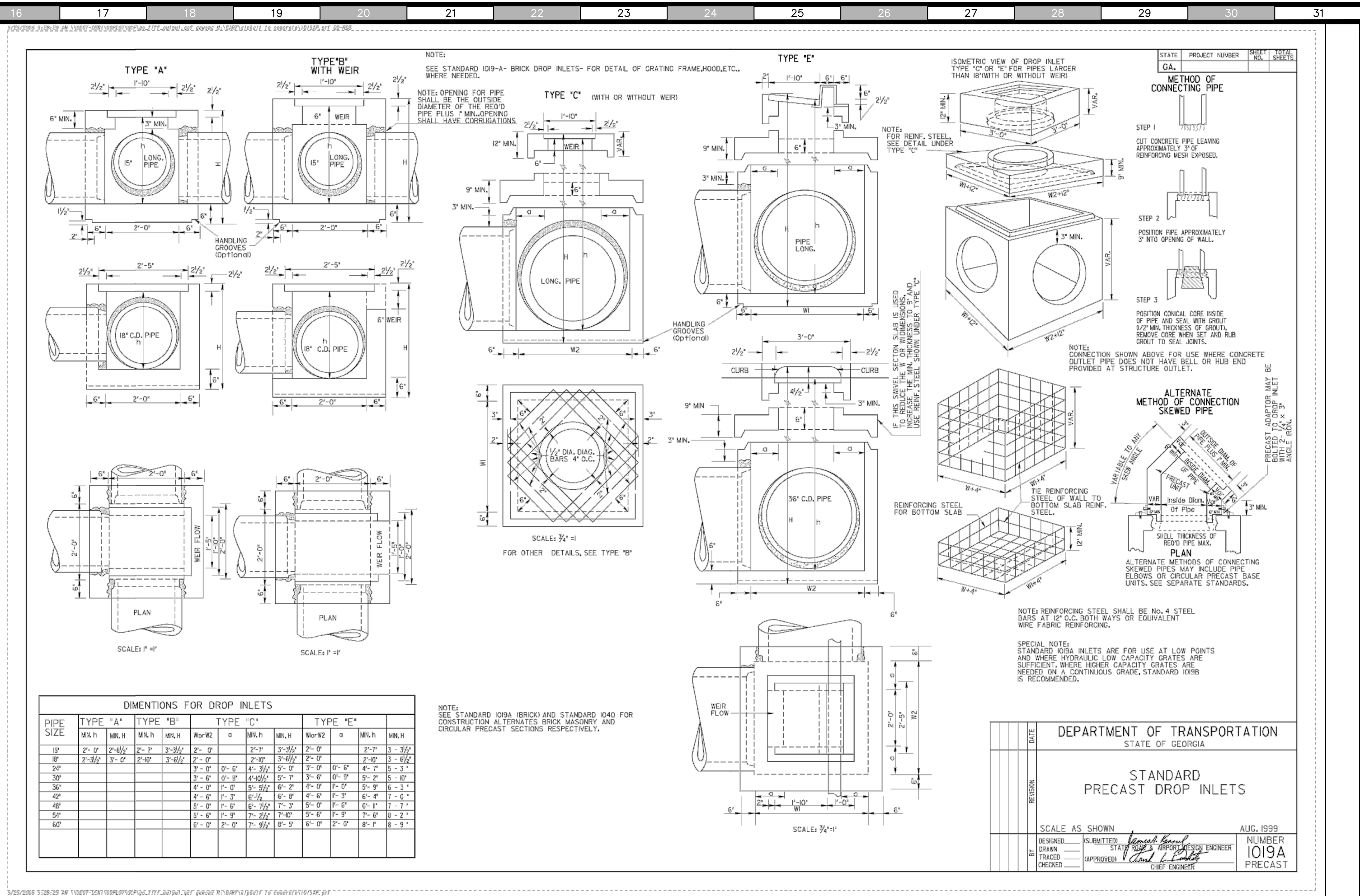
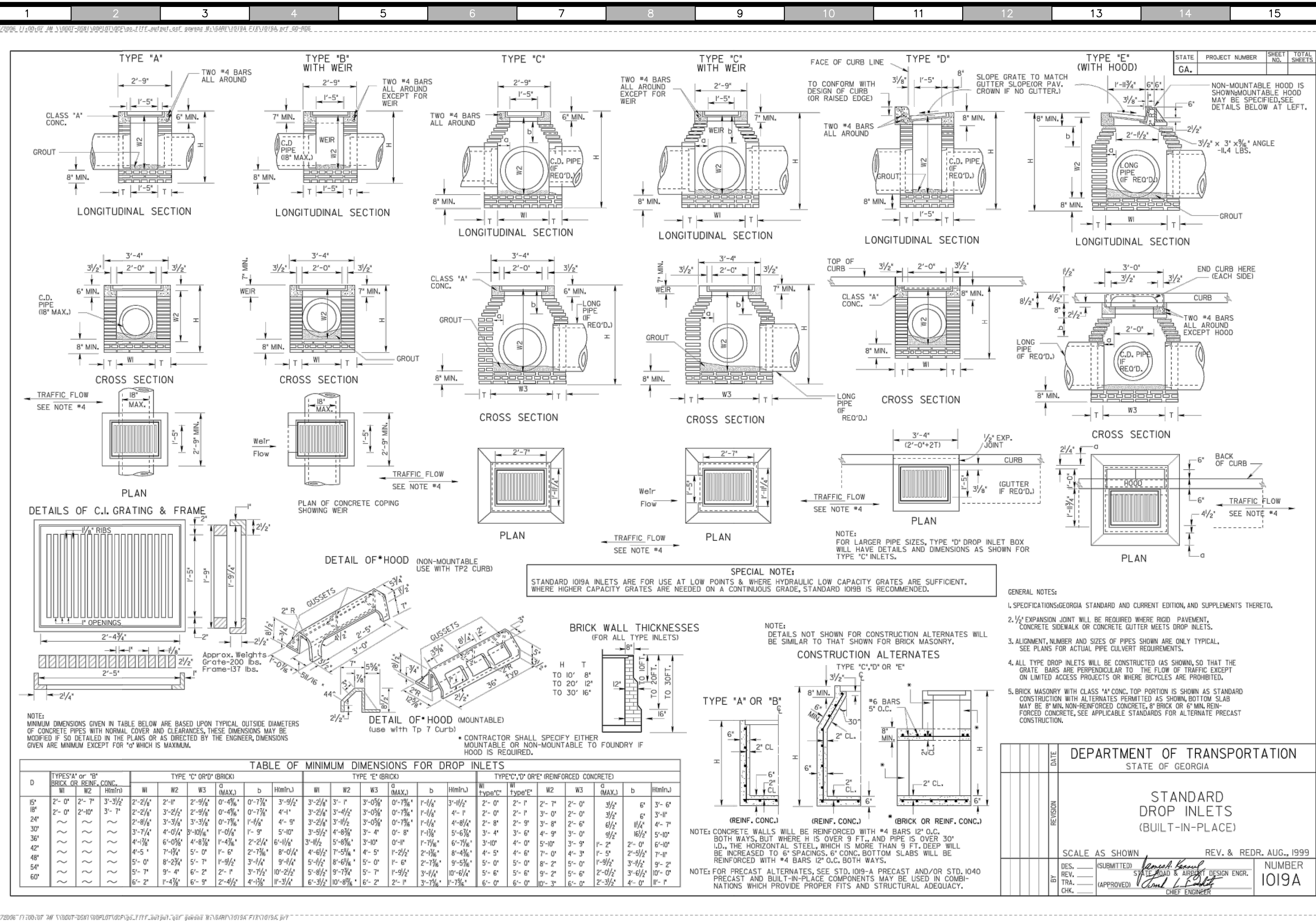
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**STANDARD
PRECAST REINFORCED CONCRETE
MANHOLE**

REV. SEPT. 1999
NUMBER 1011A

SHEET:
G3.03

FILE: 17017P



ENSITE CIVIL CONSULTING, LLC
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Mobile: 770-597-8813
Contact: Corey Gutherie, PE, CFM
Email: Corey.Gutherie@ensiteconsulting.com

OWNER/DEVELOPER:
DAWSON COUNTY PUBLIC WORKS
60 TRANSPORTATION LANE
DAWSONVILLE, GA 30534

**PHONE: (706) 344-3500
EXT. 42227**

24-HOUR CONTACT:
DAVID MCKEE
(706) 344-3500 EXT. 42227
EMAIL: dmckee@dawsoncounty.org

PROJECT:
HARRY SOSEBEE ROAD & LUMPKIN ROAD ROUNDABOUT

LOCATED IN:
LAND LOTS 496, & 497
13th DISTRICT, South Section,
DAWSON COUNTY, GEORGIA

SHEET TITLE:
ENGINEERING STANDARD DETAILS

GEORGIA811
Utilities Protection Center, Inc.
1-800-232-7411
Know what's below. Call before you dig.

STAMP:
REGISTERED PROFESSIONAL ENGINEER
COREY GUTHERIE

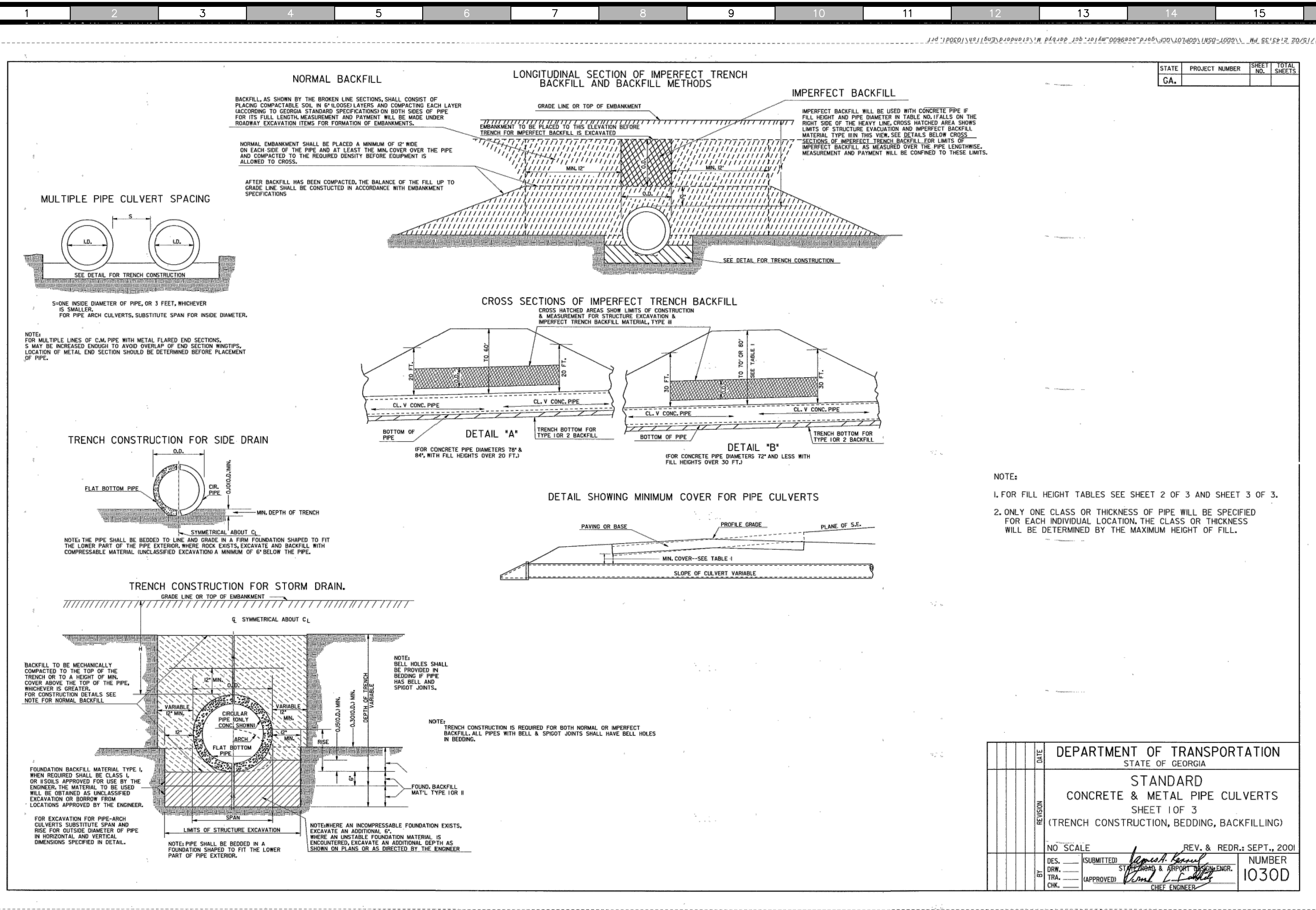
EXPIRES DECEMBER 31, 2020
GSWC CERT. # 0000020671
EXPIRES OCTOBER 21, 2021

DRAWING DATE: 2020-07-13

SHEET REVISIONS

NO.	DESCRIPTION	DATE
1	ADD PLUNGE POOLS M & N,	05/29/20
2	CONVERT STORM LINE Y TO ARCH CULVERT	
3	REVISE RW ON PROPERTY 107.053,	07/13/20
4	ADD FENCE & LANDSCAPING, CONVERT LINE W TO ARCH CULVERT & ADD DETAILS	

SHEET: G3.04



STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
STANDARD
CONCRETE & METAL PIPE CULVERTS
SHEET 1 OF 3
(TRENCH CONSTRUCTION, BEDDING, BACKFILLING)

NO SCALE
DESIGNED: [Signature]
CHECKED: [Signature]
SUBMITTED: [Signature]
APPROVED: [Signature]

REV. & RECD. SEPT., 2001
NUMBER
1030D

TABLE NO. 1 ROUND PIPE - CONCRETE - CORRUGATED STEEL - CORRUGATED ALUMINUM

MINIMUM CLASS OF CONCRETE OR MINIMUM THICKNESS OF STEEL AND ALUMINUM

PIPE DIAMETER (INCHES)	MINIMUM COVER (INCHES)	HEIGHT OF FILL IN FEET ABOVE TOP OF PIPE	CONCRETE CLASS	STEEL THICKNESS	ALUMINUM THICKNESS
12	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
15	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
18	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
24	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
30	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
36	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
42	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
48	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
54	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
60	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
66	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
72	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
78	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
84	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
90	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
96	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
102	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
108	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
114	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
120	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"

NOTE:

- STEEL OR ALUM. DENOTES CORRUGATION PROFILE 2, 2 1/2" X 1/2"
- STEEL OR ALUM. PIPE SHALL BE LOCK-SEAM OR WELDED-SEAM HELICAL CONSTRUCTION. MINIMUM COVER VALUES APPLY TO INS-20 LIVE LOAD. MINIMUM COVER NEEDED FOR CONSTRUCTION VEHICLES MAY BE GREATER AND IS THE RESPONSIBILITY OF THE CONTRACTOR.
- TRENCH CONSTRUCTION IS REQUIRED FOR CONDITIONS ON BOTH SIDES OF HEAVY LINE. SEE SHEET 1 OF 3.
- FOR CONDITIONS TO RIGHT OF HEAVY LINE, CONCRETE PIPE REQUIRES IMPERFECT BACKFILL ACCORDING TO SPECIFICATIONS AND THIS STANDARD.
- TABLE VALUES FOR ALUMINUM CORRUGATED PIPE (OR ALUMINUM SPIRAL BAR PIPE) ARE COMPUTED BASED UPON ALUMINUM ALLOY 3004-H34 HAVING MINIMUM YIELD STRENGTH, F_y = 24,000 PSI. ALUMINUM PIPE IS OTHERWISE FURNISHED AS 3004-H32 (F_y = 20,000 PSI). THE TABLE NO. ALLOWABLE FILL HEIGHTS SHALL BE ADJUSTED AS FOLLOWS:
 - A. ALL MINIMUM COVER VALUES SHALL BE INCREASED BY 15 PERCENT. (EXAMPLE: 12 INCHES BECOMES 13.8 INCHES)
 - B. ALL HEIGHTS OF FILL VALUES SHALL BE DECREASED BY 15 PERCENT. (EXAMPLE: 35-40 FEET BECOMES 29.7-34.0 FEET)

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
STANDARD
CONCRETE & METAL PIPE CULVERTS
SHEET 2 OF 3
(FILL HEIGHTS FOR CONCRETE & CORRUGATED METAL PIPE)

NO SCALE
DESIGNED: [Signature]
CHECKED: [Signature]
SUBMITTED: [Signature]
APPROVED: [Signature]

REV. & RECD. OCT., 1999
NUMBER
1030D

TABLE NO. 2 R ROUND PIPE - SPIRAL RIB STEEL - SPIRAL RIB ALUMINUM

MINIMUM CLASS OF CONCRETE OR MINIMUM THICKNESS OF STEEL AND ALUMINUM

PIPE DIAMETER (INCHES)	MINIMUM COVER (INCHES)	HEIGHT OF FILL IN FEET ABOVE TOP OF PIPE	CONCRETE CLASS	STEEL THICKNESS	ALUMINUM THICKNESS
12	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
15	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
18	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
24	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
30	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
36	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
42	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
48	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
54	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
60	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
66	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
72	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
78	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
84	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
90	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
96	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
102	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
108	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
114	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"
120	10	10-15	III	1/8"	1/8"
	15	15-20	III	1/8"	1/8"

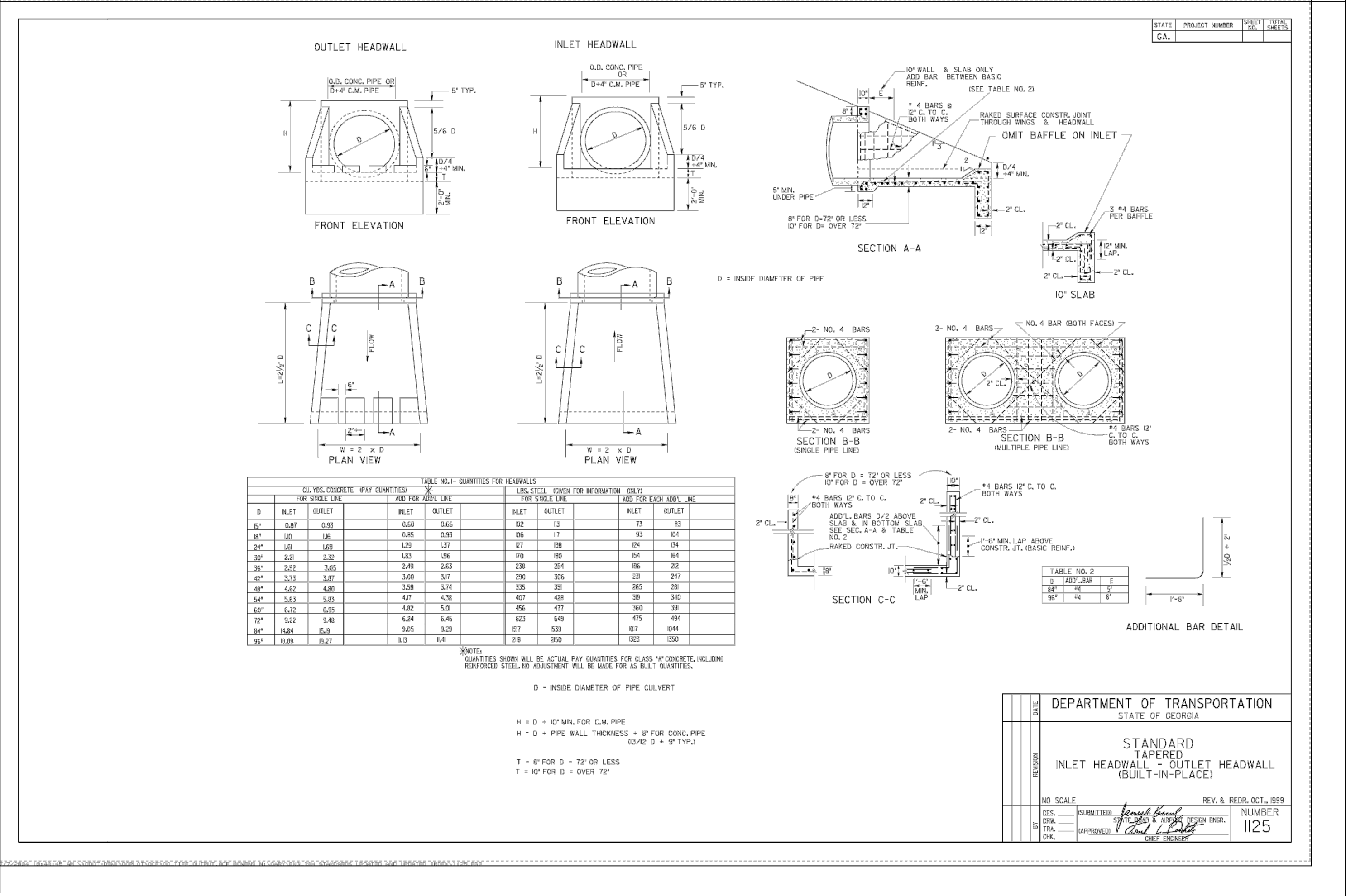
NOTE:

- R DENOTES SPIRAL RIB PROFILE 3/4" X 3/4" X 1/2"
- TABLE VALUES FOR ALUMINUM SPIRAL BAR PIPE ARE COMPUTED BASED UPON ALUMINUM ALLOY 3004-H34 HAVING MINIMUM YIELD STRENGTH, F_y = 24,000 PSI. ALUMINUM PIPE IS OTHERWISE FURNISHED AS 3004-H32 (F_y = 20,000 PSI). THE TABLE NO. ALLOWABLE FILL HEIGHTS SHALL BE ADJUSTED AS FOLLOWS:
 - A. ALL MINIMUM COVER VALUES SHALL BE INCREASED BY 15 PERCENT. (EXAMPLE: 35-40 FT. BECOMES 29.7-34.0 FT.)
 - B. ALL HEIGHTS OF FILL VALUES SHALL BE DECREASED BY 15 PERCENT. (EXAMPLE: 35-40 FT. BECOMES 29.7-34.0 FT.)
- MINIMUM COVER VALUES APPLY TO INS-20 LIVE LOAD. MINIMUM COVER NEEDED FOR CONSTRUCTION VEHICLES MAY BE GREATER AND IS THE RESPONSIBILITY OF THE CONTRACTOR.
- TRENCH CONSTRUCTION IS REQUIRED FOR ALL INSTALLATIONS.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
STANDARD
CONCRETE & METAL PIPE CULVERTS
SHEET 3 OF 3
(FILL HEIGHTS FOR SPIRAL RIB METAL PIPE & FOR PIPE ARCH)

NO SCALE
DESIGNED: [Signature]
CHECKED: [Signature]
SUBMITTED: [Signature]
APPROVED: [Signature]

REV. & RECD. OCT., 1999
NUMBER
1030D



ENSITE CIVIL CONSULTING, LLC
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Dawsonville, GA 30534
Mobile: 770-597-8813
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Email: Corey.Guthrie@ensiteconsulting.com

OWNER/DEVELOPER:
DAWSON COUNTY PUBLIC WORKS
60 TRANSPORTATION LANE
DAWSONVILLE, GA 30534

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EXT. 42227

24-HOUR CONTACT:
DAVID MCKEE
(706) 344-3500 EXT. 42227
EMAIL: dmckee@dawsoncounty.org

PROJECT:
HARRY SOSEBEE ROAD & LUMPKIN CAMPGROUND ROAD ROUNDABOUT

LOCATED IN:
LAND LOTS 496, & 497
13th DISTRICT, South SECTION,
DAWSON COUNTY, GEORGIA

SHEET TITLE:

GEORGIA811
Utilities Protection Center, Inc.
1-800-282-7411
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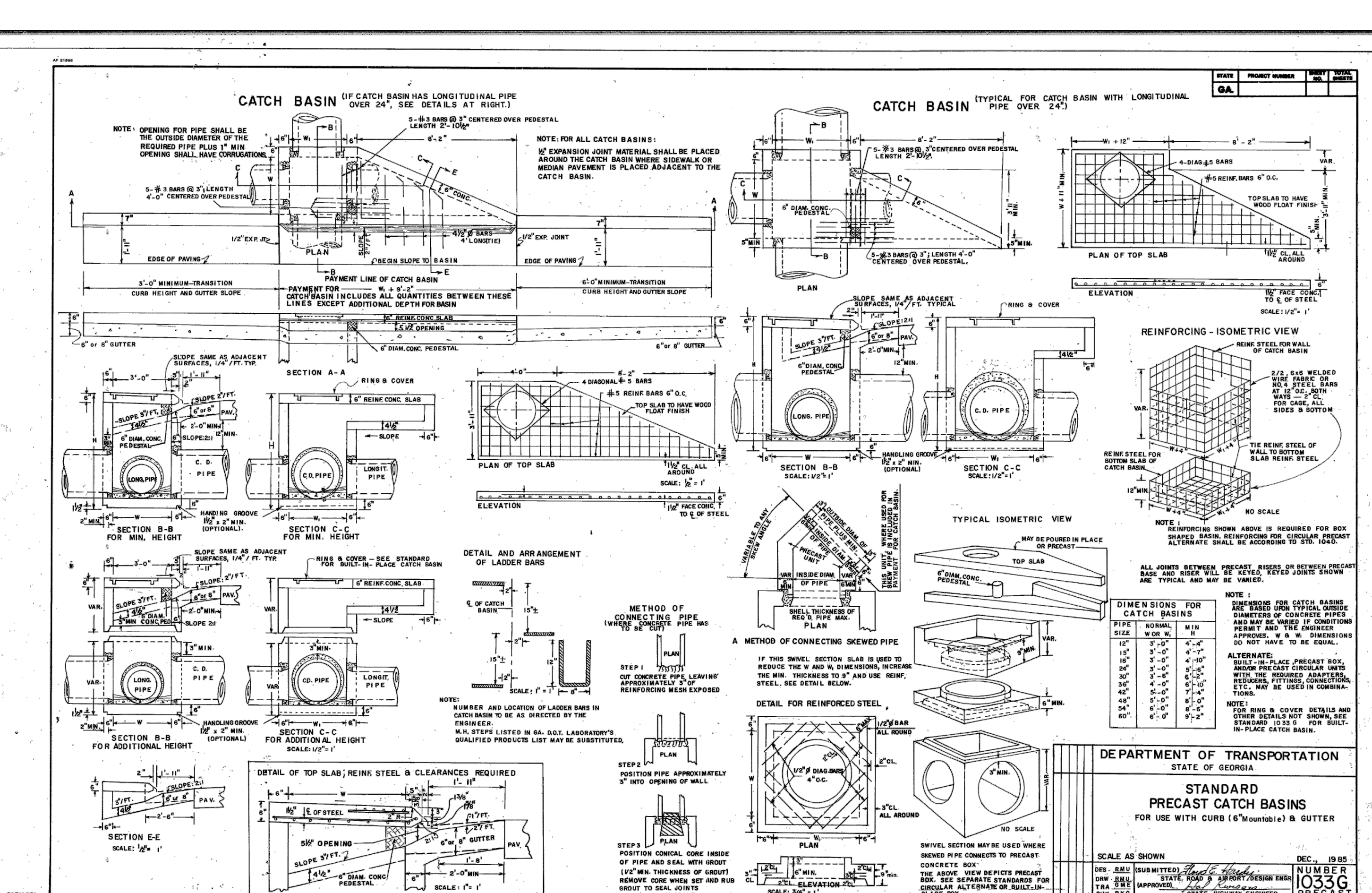
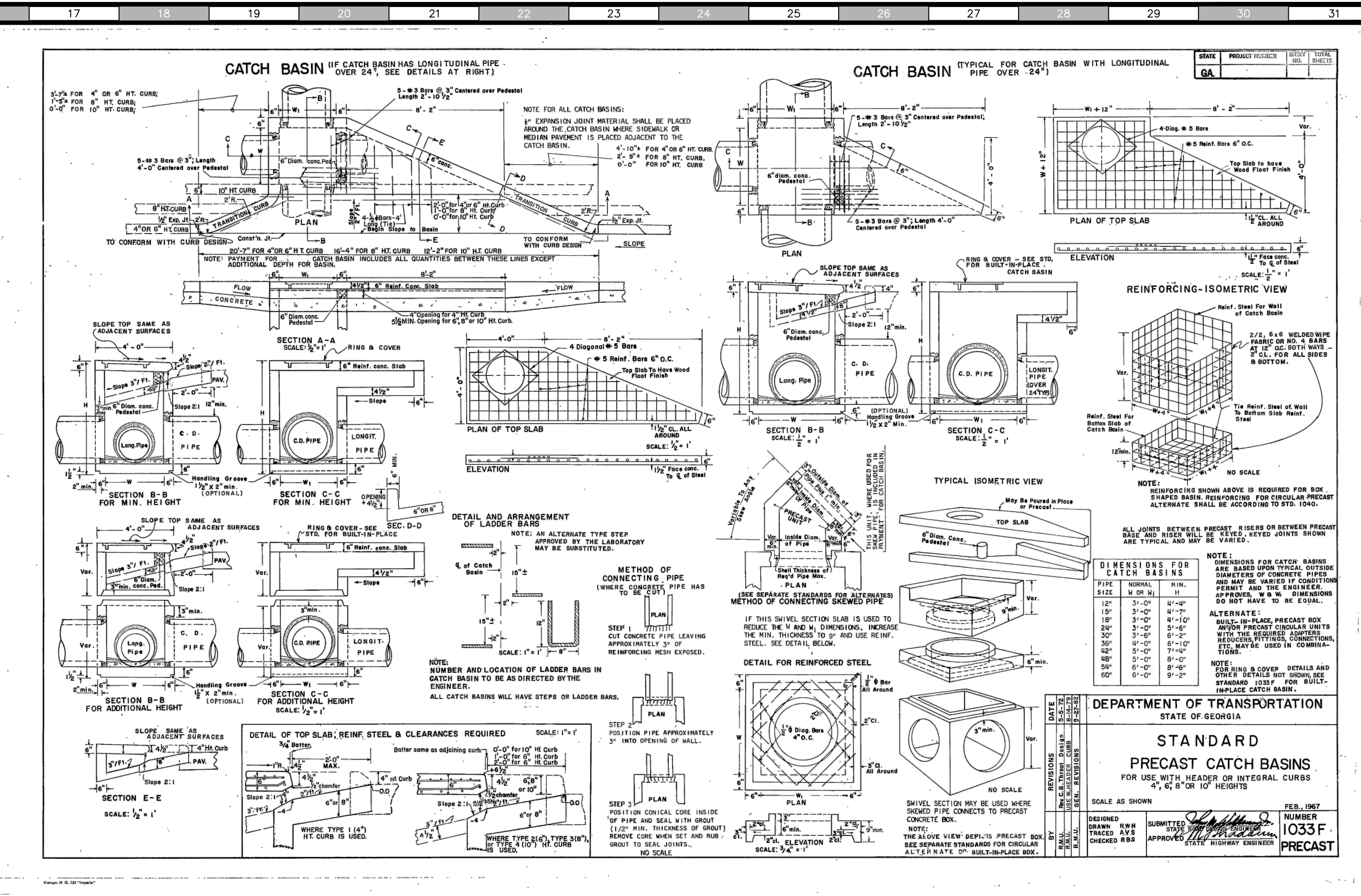
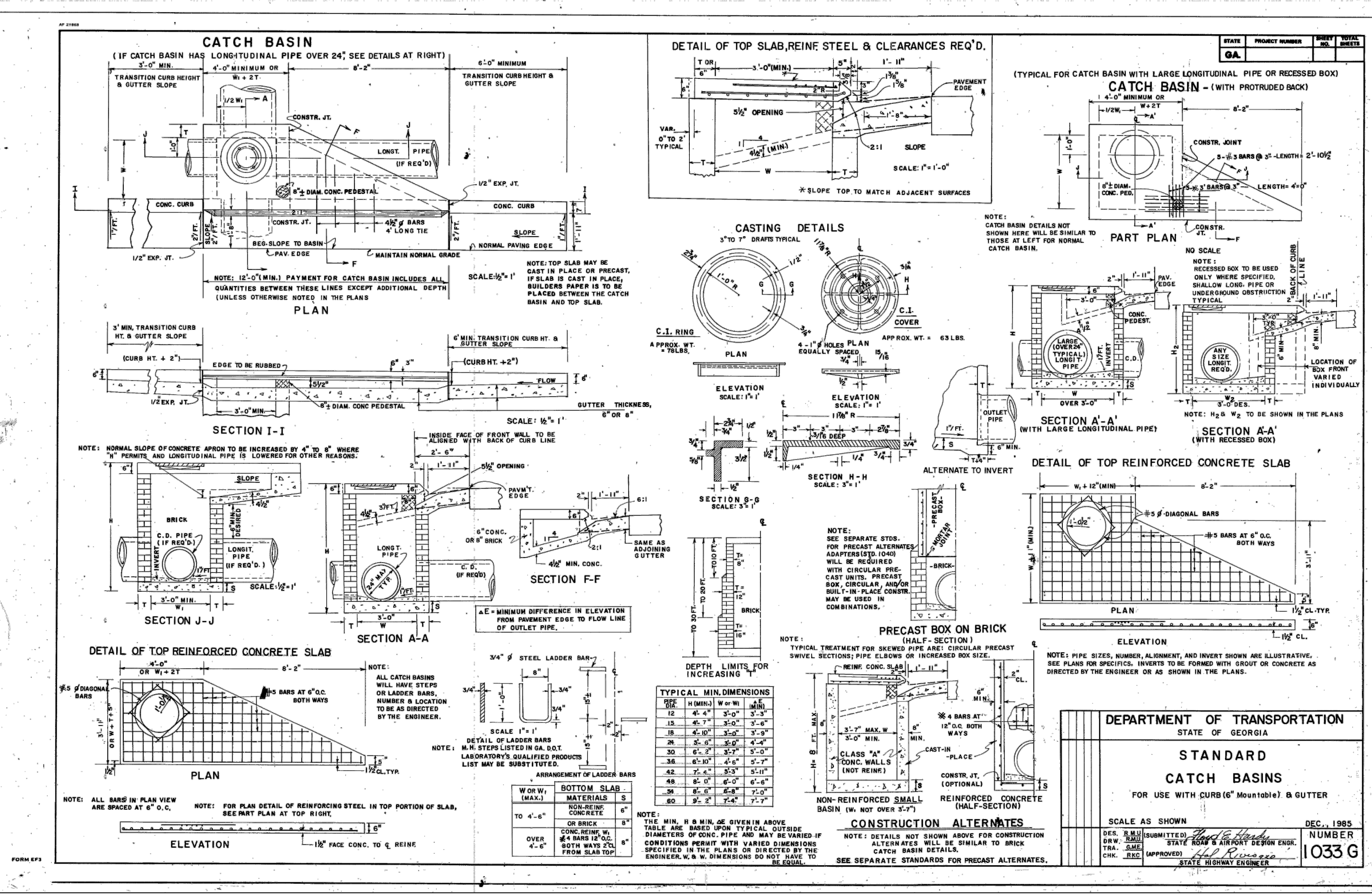
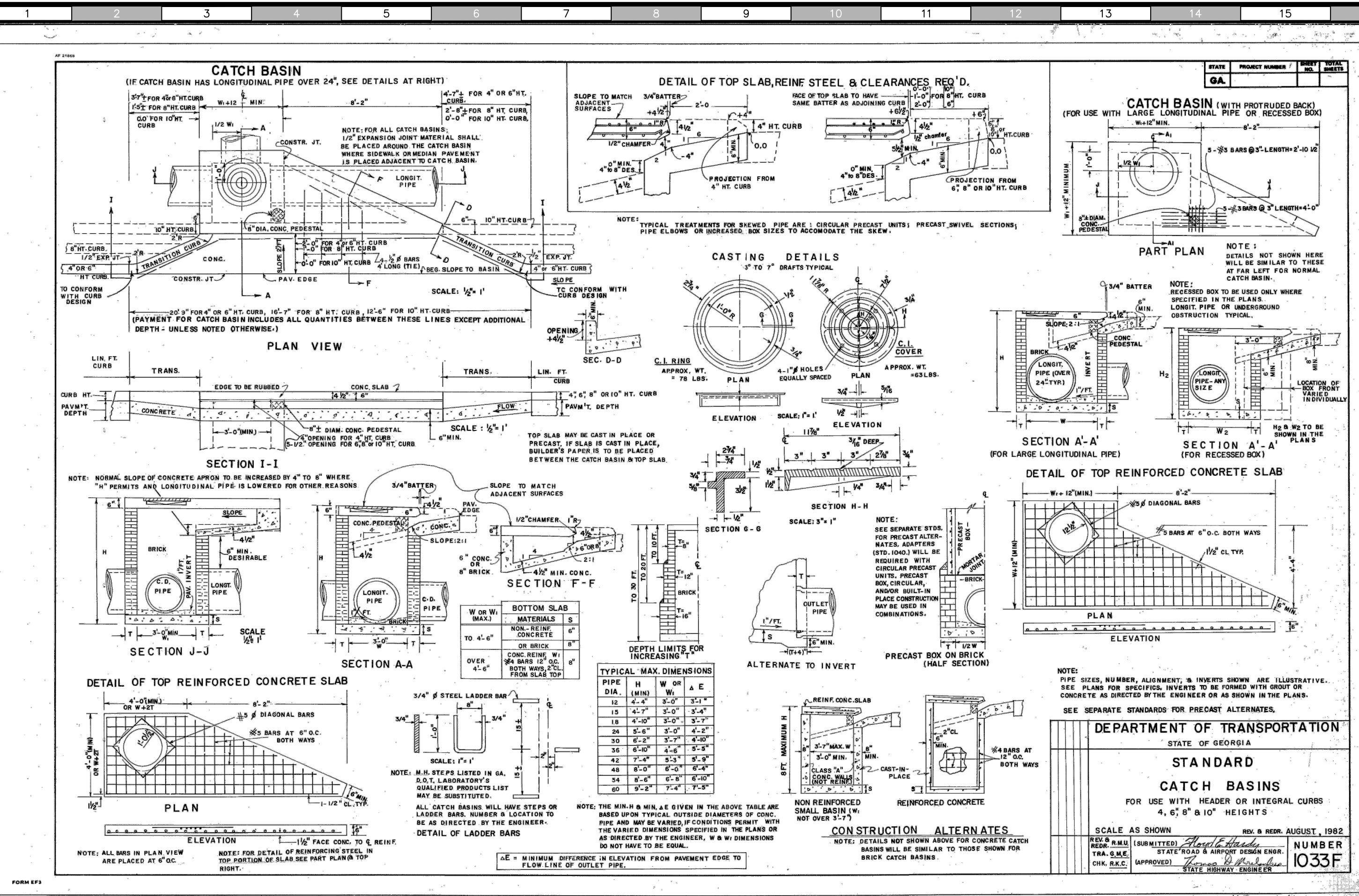
STAMP:
GEORGIA REGISTERED PROFESSIONAL ENGINEER
COREY GUTHERIE
EXPIRES DECEMBER 31, 2020
GSWCC CERT. # 0000020671
EXPIRES OCTOBER 21, 2021

DRAWING DATE: 2020-07-13

SHEET REVISIONS

NO.	DESCRIPTION	DATE
1	ADD PLUNGE POOLS M & N,	05/29/20
2	TO ARCH CULVERT	
3	REVISE RW ON PROPERTY 107 053,	07/13/20
4	ADD FENCE & LANDSCAPING,	
5	CONVERT LINE W TO ARCH CULVERT & ADD DETAILS	

SHEET:
G3.05



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60 TRANSPORTATION LANE
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24-HOUR CONTACT:
DAVID MCKEE
(706) 344-3500 EXT. 42227
EMAIL: dmckee@dawsoncounty.org

PROJECT:
HARRY SOSEBEE ROAD & LUMPKIN ROAD ROUNDABOUT

LOCATED IN:
LAND LOTS 496, & 497
13th DISTRICT, South SECTION,
DAWSON COUNTY, GEORGIA

SHEET TITLE:
ENGINEERING STANDARD DETAILS

GEORGIA811
Utilities Protection Center, Inc.
1-800-232-7411
Know who's below.
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GEORGIA REGISTERED PROFESSIONAL ENGINEER
COREY GUTTHERIE

EXPIRES DECEMBER 31, 2020
GSWC CERT. # 0000020671
EXPIRES OCTOBER 21, 2021

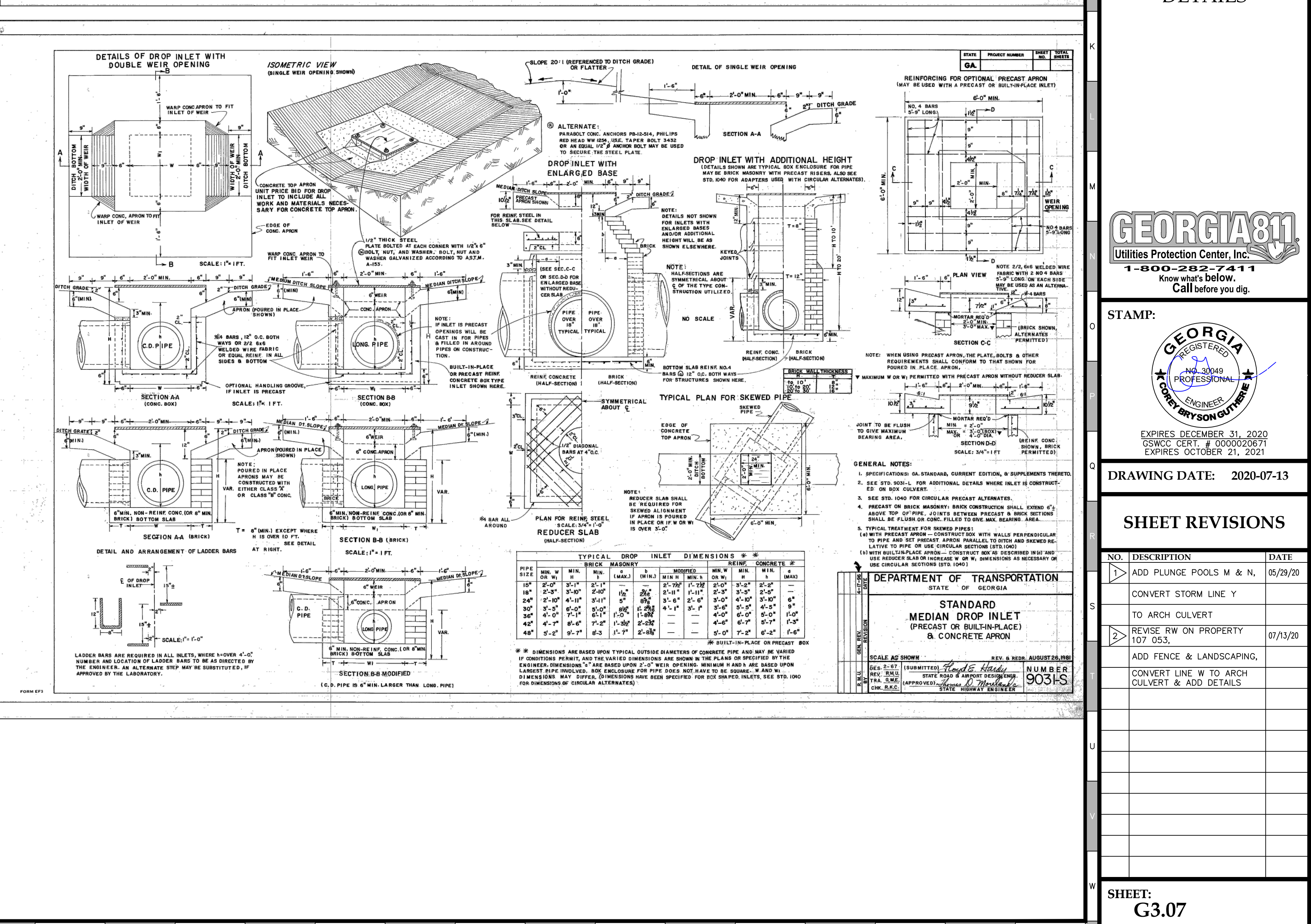
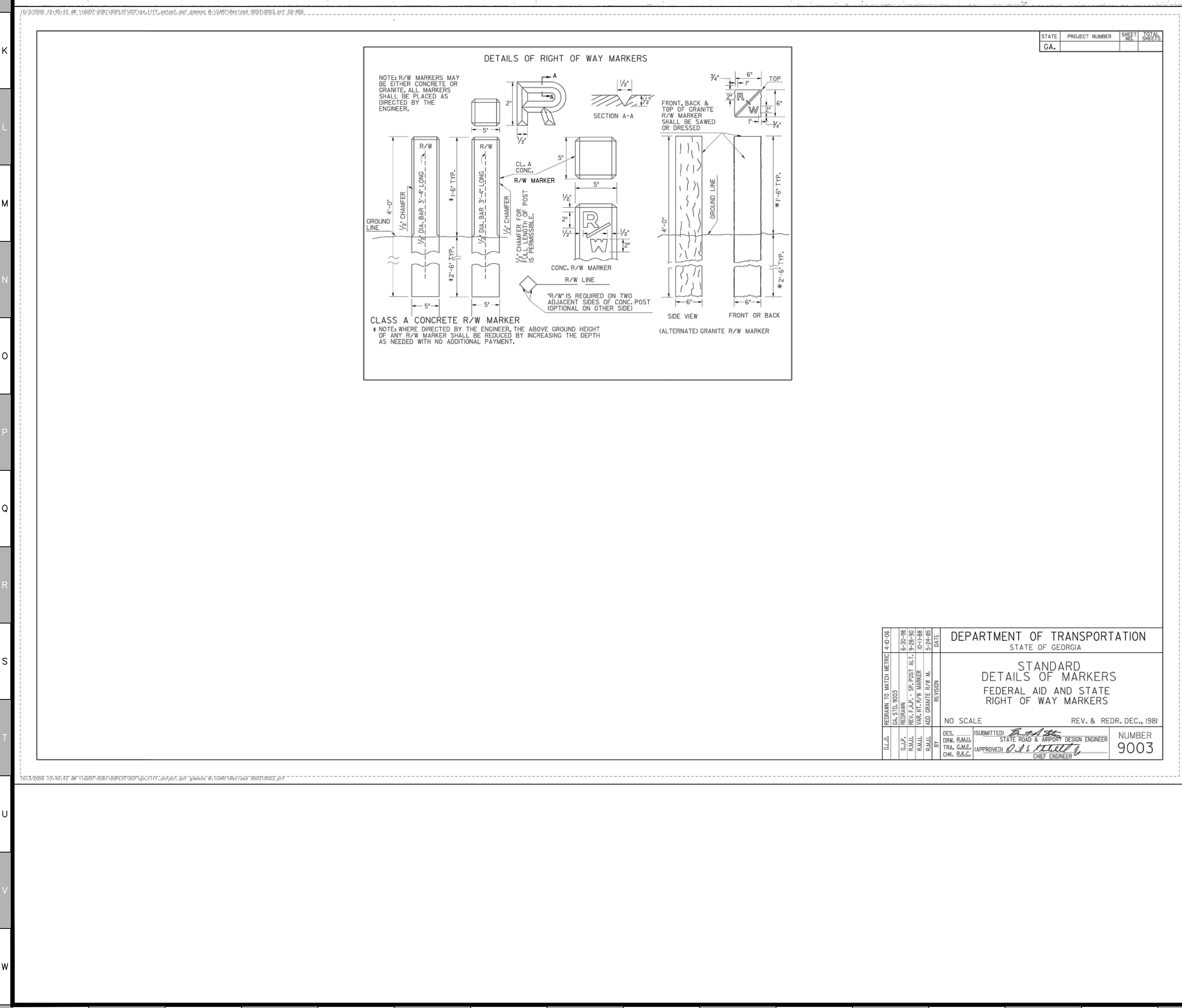
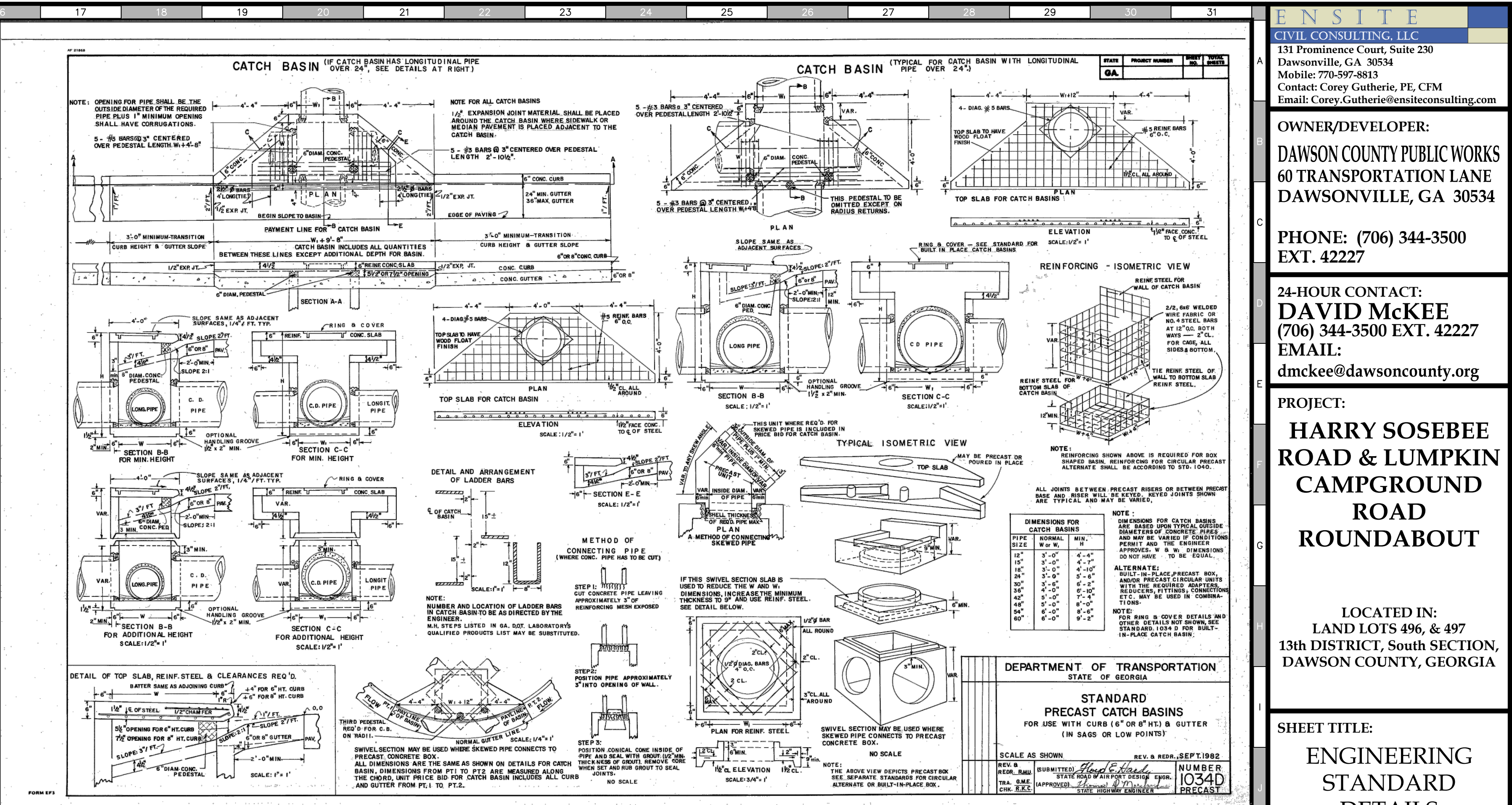
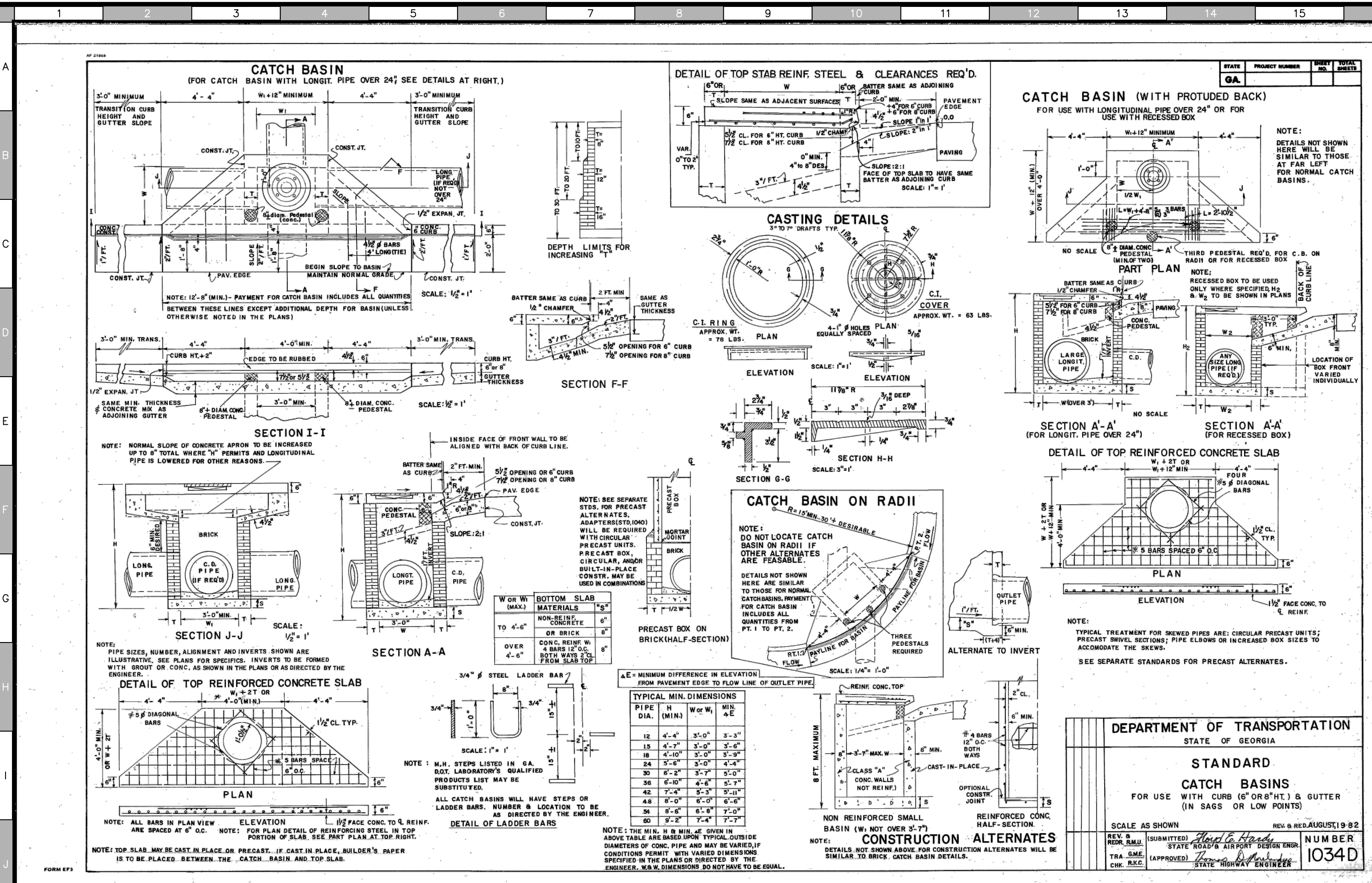
DRAWING DATE: 2020-07-13

SHEET REVISIONS

NO.	DESCRIPTION	DATE
1	ADD PLUNGE POOLS M & N,	05/29/20
2	CONVERT STORM LINE Y TO ARCH CULVERT	
3	REVISE RW ON PROPERTY 107.053,	07/13/20
4	ADD FENCE & LANDSCAPING, CONVERT LINE W TO ARCH CULVERT & ADD DETAILS	

SHEET:
G3.06

FILE: 17017P



ENSITE
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Email: Corey.Gutierrez@ensiteconsulting.com

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DAWSONVILLE, GA 30534

PHONE: (706) 344-3500
EXT. 42227

24-HOUR CONTACT:
DAVID MCKEE
(706) 344-3500 EXT. 42227
EMAIL: dmckee@dawsoncounty.org

PROJECT:
HARRY SOSEBEE
ROAD & LUMPKIN
CAMPGROUND
ROAD
ROUNDAOUT

LOCATED IN:
LAND LOTS 496, & 497
13th DISTRICT, South SECTION,
DAWSON COUNTY, GEORGIA

SHEET TITLE:
ENGINEERING
STANDARD
DETAILS

GEORGIA811
Utilities Protection Center, Inc.
1-800-232-7411
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STAMP:
GEORGIA
REGISTERED
NO. 30349
PROFESSIONAL
ENGINEER
COREY GUTIERREZ

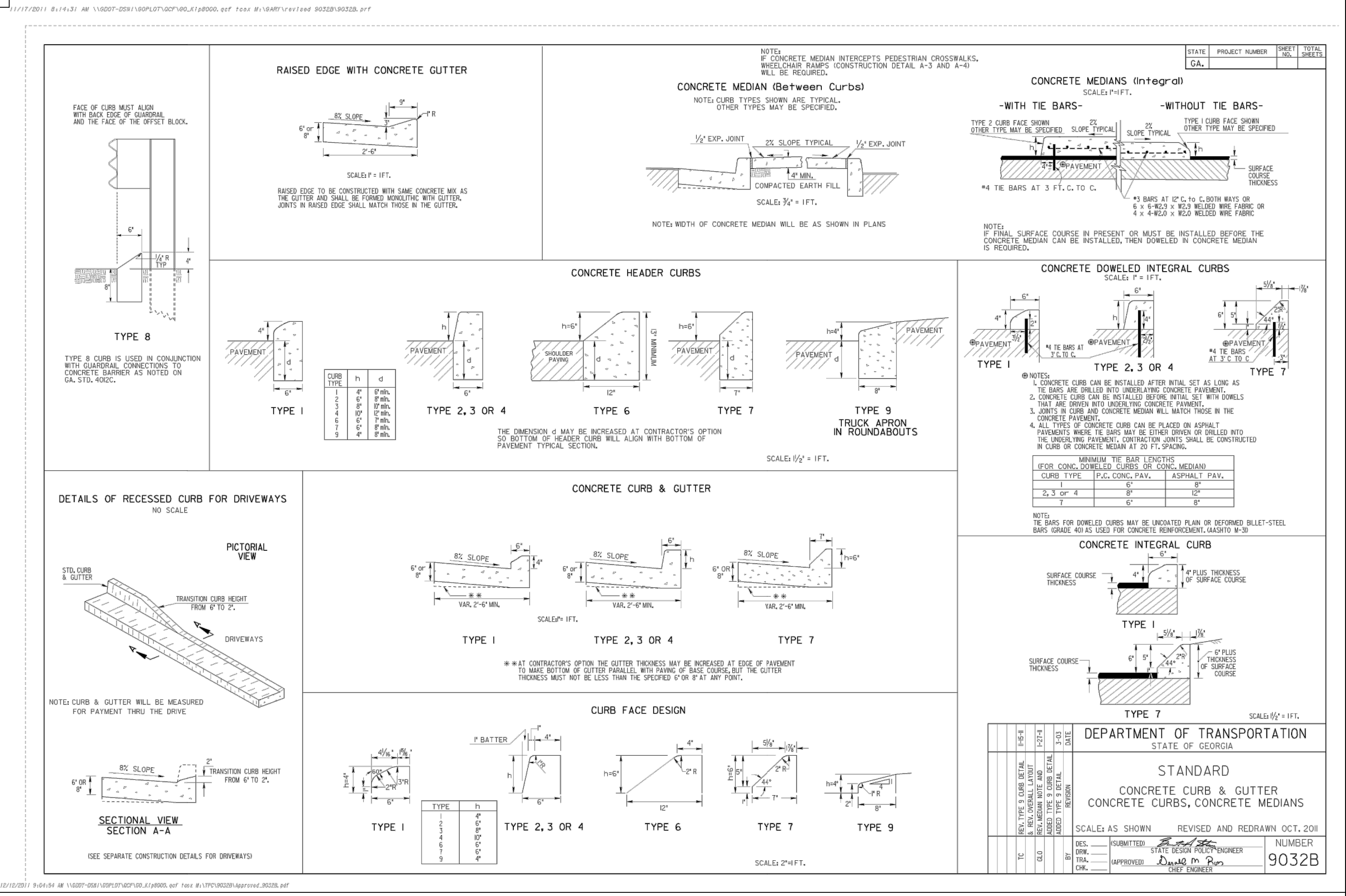
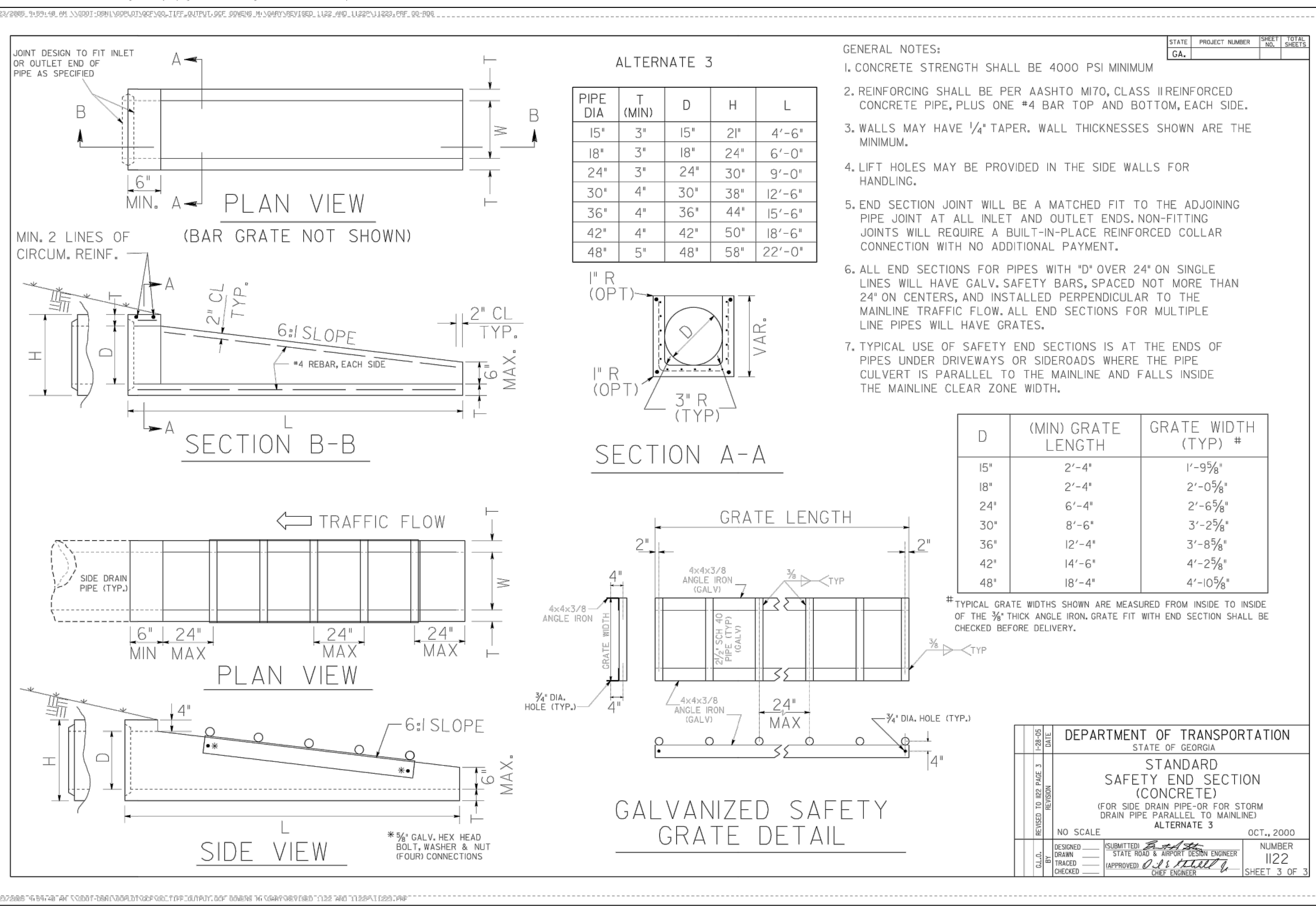
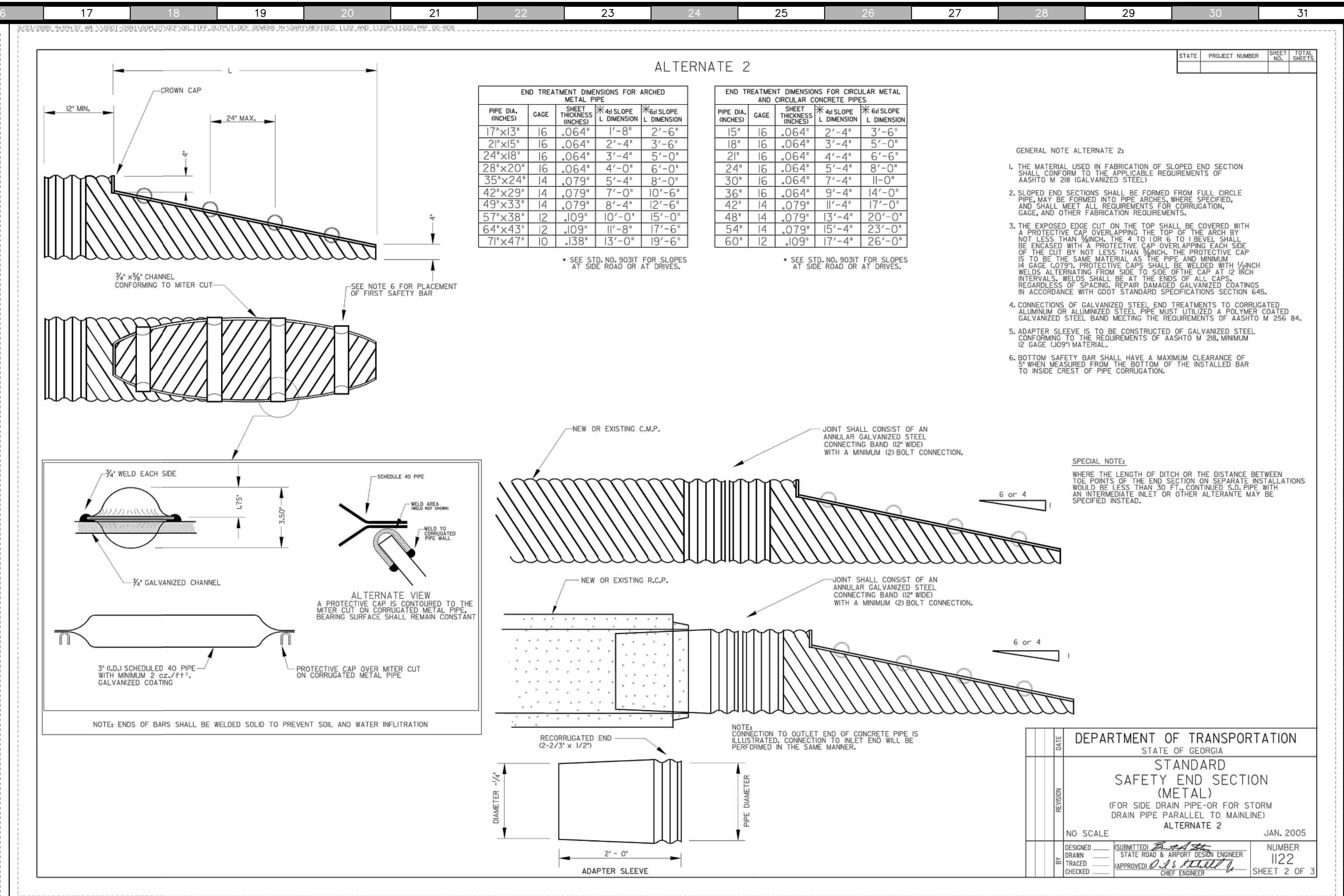
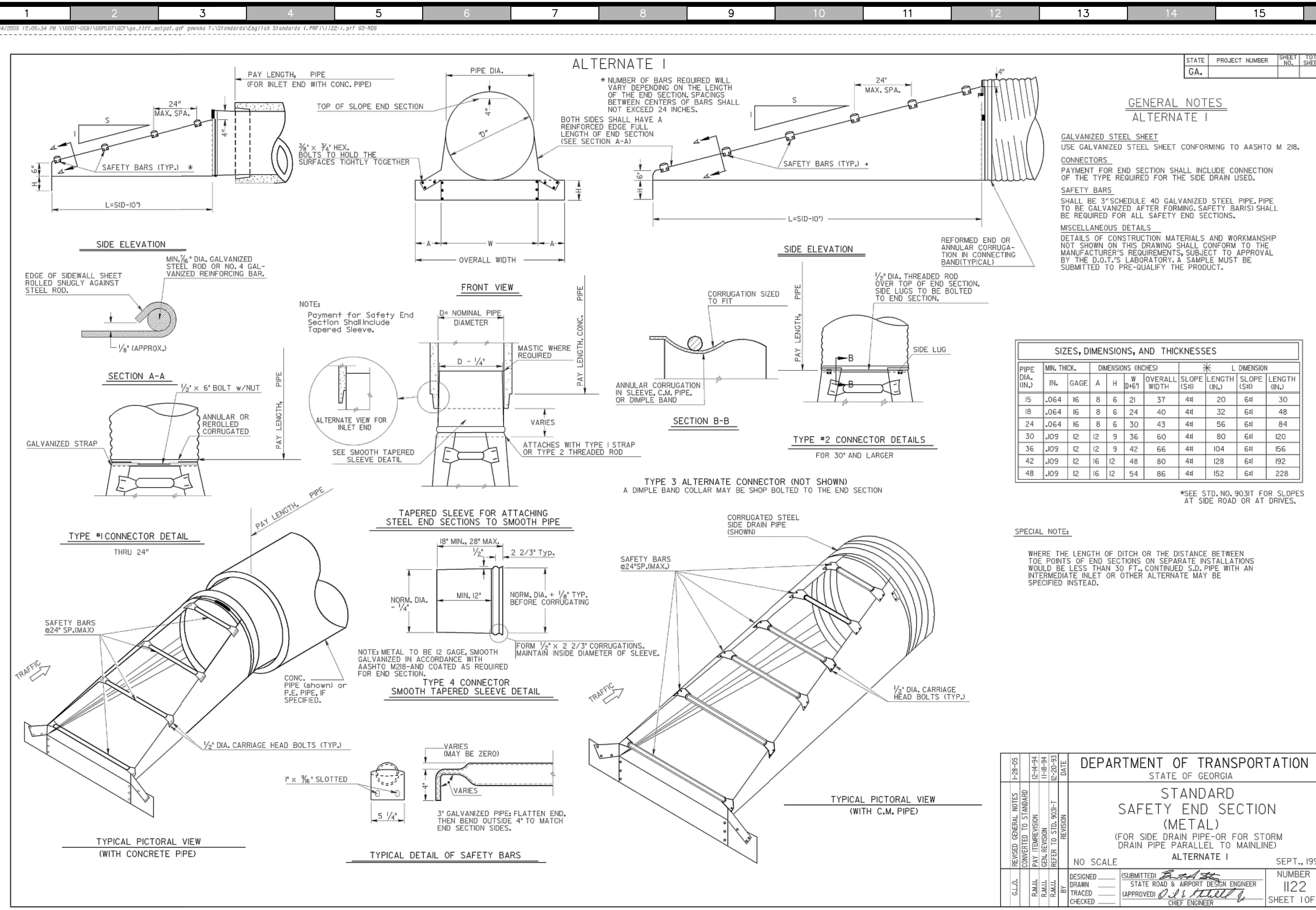
EXPIRES DECEMBER 31, 2020
GSWCC CERT. # 0000020671
EXPIRES OCTOBER 21, 2021

DRAWING DATE: 2020-07-13

SHEET REVISIONS

NO.	DESCRIPTION	DATE
1	ADD PLUNGE POOLS M & N,	05/29/20
2	CONVERT STORM LINE Y	
3	TO ARCH CULVERT	
4	REVISE RW ON PROPERTY	07/13/20
5	107 053,	
6	ADD FENCE & LANDSCAPING,	
7	CONVERT LINE W TO ARCH	
8	CULVERT & ADD DETAILS	

SHEET:
G3.07



ENSITE CIVIL CONSULTING, LLC
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Email: Corey.Gutherie@ensiteconsulting.com

OWNER/DEVELOPER:
DAWSON COUNTY PUBLIC WORKS
60 TRANSPORTATION LANE
DAWSONVILLE, GA 30534

**PHONE: (706) 344-3500
EXT. 42227**

24-HOUR CONTACT:
DAVID MCKEE
(706) 344-3500 EXT. 42227
EMAIL: dmckee@dawsoncounty.org

PROJECT:
HARRY SOSEBEE ROAD & LUMPKIN CAMPGROUND ROAD ROUNDABOUT

LOCATED IN:
LAND LOTS 496, & 497
13th DISTRICT, South SECTION,
DAWSON COUNTY, GEORGIA

SHEET TITLE:
ENGINEERING STANDARD DETAILS

GEORGIA811
Utilities Protection Center, Inc.
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REGISTERED PROFESSIONAL ENGINEER
COREY RYSON GUTHERIE
EXPIRES DECEMBER 31, 2020
GSWCC CERT. # 000020671
EXPIRES OCTOBER 21, 2021

DRAWING DATE: 2020-07-13

SHEET REVISIONS

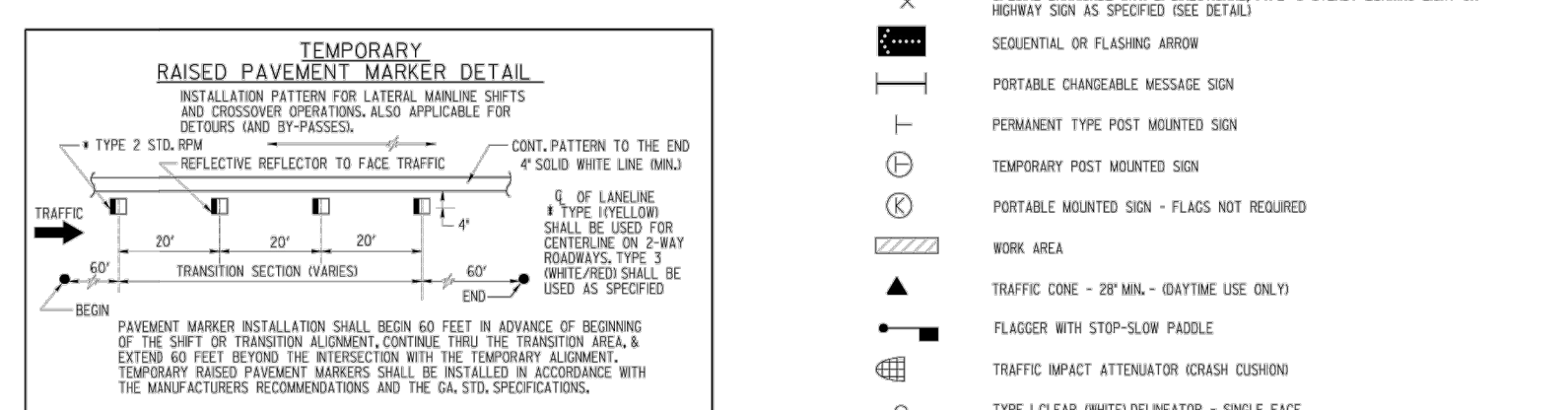
NO.	DESCRIPTION	DATE
1	ADD PLUNGE POOLS M & N,	05/29/20
2	CONVERT STORM LINE Y TO ARCH CULVERT	
3	REVISE RW ON PROPERTY 107.053,	07/13/20
4	ADD FENCE & LANDSCAPING,	
5	CONVERT LINE W TO ARCH CULVERT & ADD DETAILS	

SHEET:
G3.08

FILE: 17017P

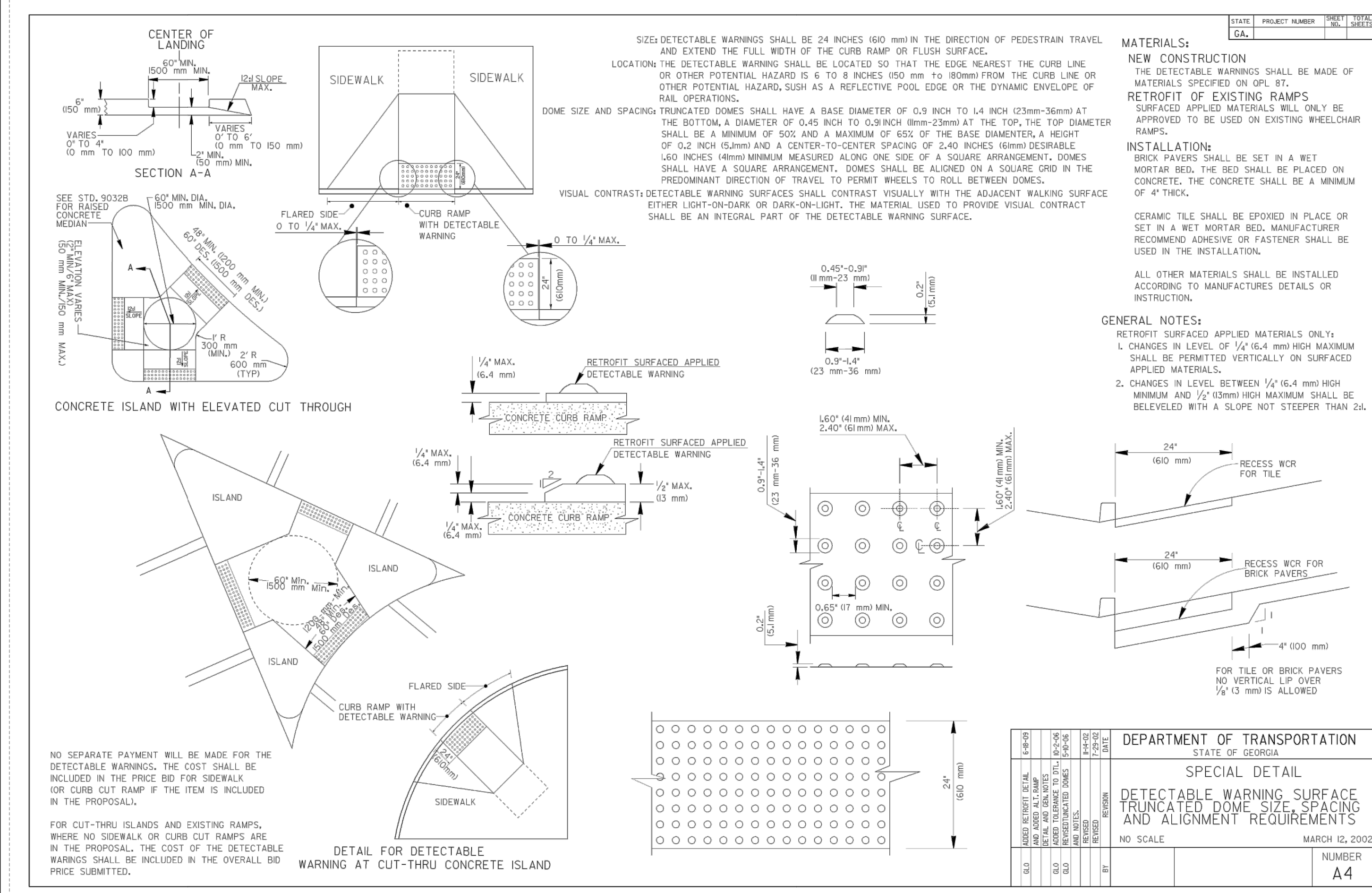
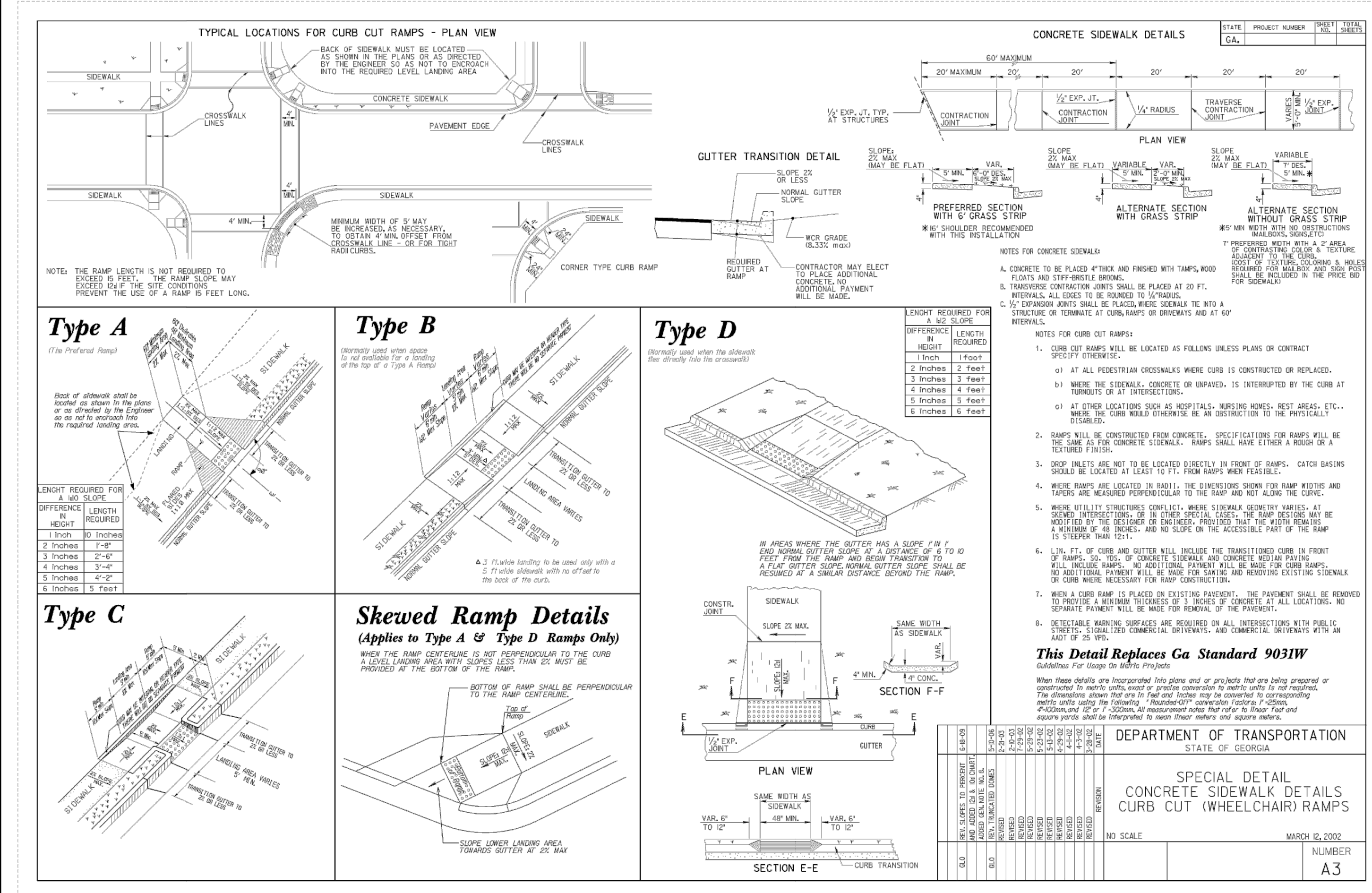
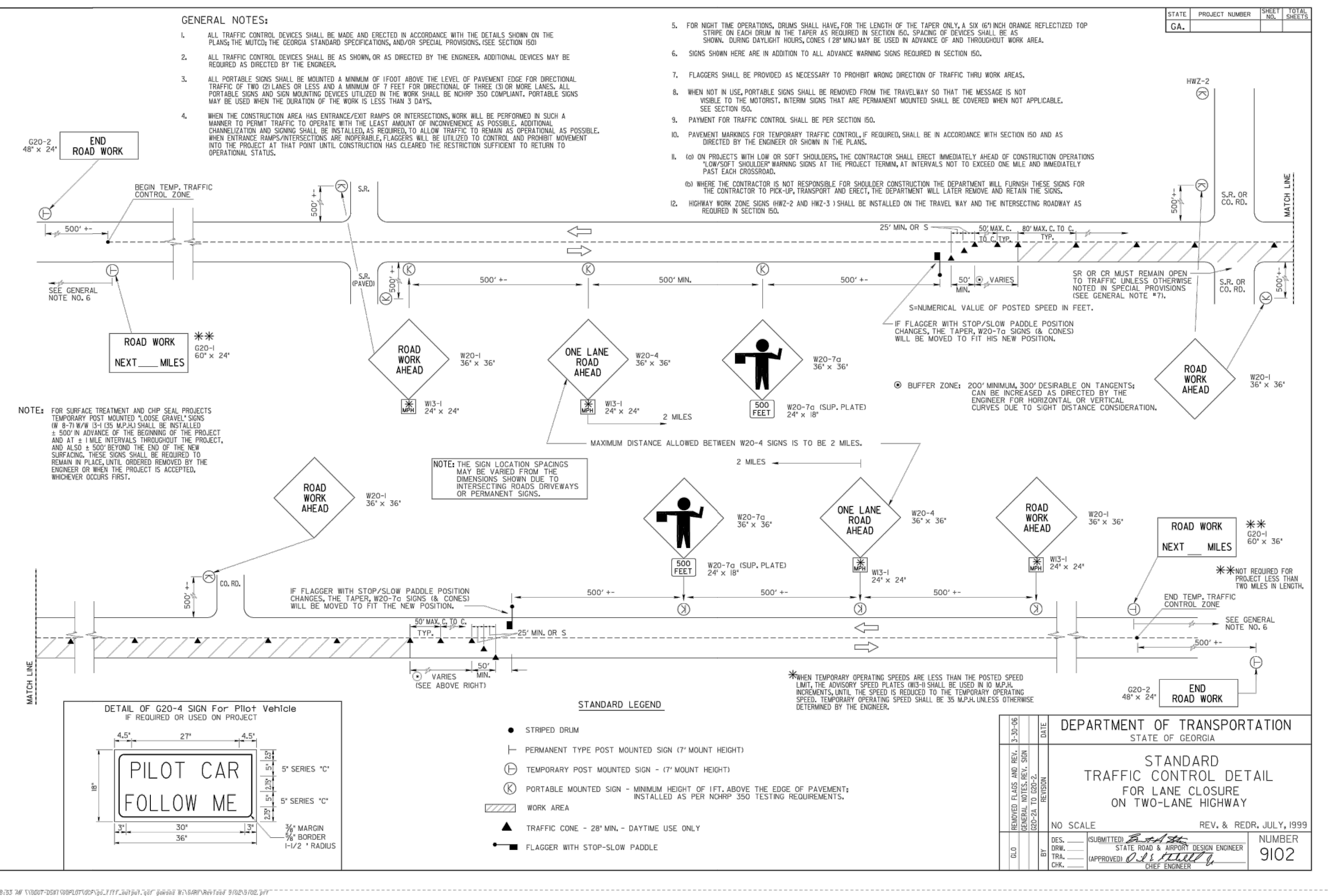
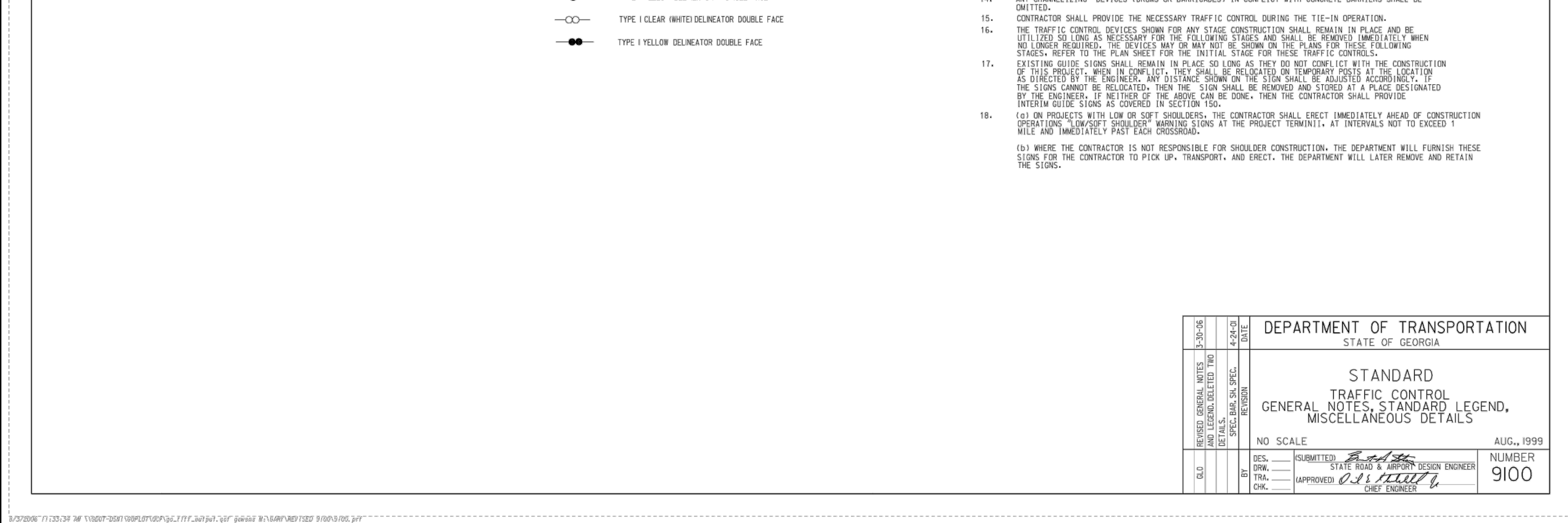
GENERAL NOTES :

- ALL TRAFFIC CONTROL DEVICES SHALL BE MADE AND DIRECTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS AND THE GEORGIA STANDARD SPECIFICATIONS AND/OR SPECIAL PROVISIONS, SEE SECTION 603.
- ALL TRAFFIC CONTROL DEVICES SHALL BE AS SHOWN OR AS DIRECTED BY THE ENGINEER. ADDITIONAL DEVICES MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.
- ALL PORTABLE SIGNS SHALL BE MOUNTED A MINIMUM OF 8 FEET ABOVE THE LEVEL OF PAVEMENT EDGE FOR DIRECTIONAL TRAFFIC OF TWO LANES OR LESS AND A MINIMUM OF 7 FEET FOR DIRECTIONAL TRAFFIC OF THREE OR MORE LANES. ALL PORTABLE SIGNS AND SIGN MOUNTING DEVICES USED IN THE WORK SHALL BE NEARLY 300 COMPACT. PORTABLE SIGNS MAY BE USED WHEN THE DURATION OF THE WORK IS LESS THAN 3 DAYS.
- WHEN THE CONSTRUCTION AREA HAS ENTRANCE POINTS OR INTERSECTIONS, WORK WILL BE PERFORMED IN SUCH A MANNER TO PERMIT TRAFFIC TO OPERATE WITH THE LEAST AMOUNT OF INTERFERENCE AS POSSIBLE. ADDITIONAL CHANNELIZATION AND SIGNS SHALL BE INSTALLED AS REQUIRED TO MAINTAIN TRAFFIC TO REMAIN AS OPERATIONAL AS POSSIBLE. WHEN ENTRANCE POINTS ARE NEARLY, FLAGGERS WILL BE UTILIZED TO CONTROL AND PROMPT MOVEMENT INTO THE PROJECT. AT THAT POINT UNTIL CONSTRUCTION HAS COMPLETED, THE WORK SHALL BE IN ACCORDANCE WITH THE OPERATIONAL STATUS.
- FOR NIGHT OPERATIONS, SIGNS SHALL HAVE FOR THE LENGTH OF THE TAPER ONLY A SIX (6) INCH BRANDED REFLECTED TOP STRIPE ON EACH EDGE IN THE TAPER AS REQUIRED IN SECTION 603. SPACING OF DEVICES SHALL BE AS SHOWN. SIGNS EXCEPT ROADWORK SIGNS MAY BE USED IN ADVANCE OF AND THROUGHOUT WORK AREA.
- SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS BUT MUST BE WITHIN THE LIMITATIONS SET FORTH IN THE MUTCD.
- A PORTABLE SELF-SUSTAINED SEGMENTAL, SELF-FLASHING ARROW SIGN SHALL BE USED AT THE BEGINNING OF EACH LANE CLOSURE ON MULTI-LANE HIGHWAYS. ARROW PANELS SHALL NOT BE USED ON TWO-LANE TWO-WAY HIGHWAYS EXCEPT IN CATCHMENT AREAS.
- WHEN NOT IN USE, PORTABLE SIGNS SHALL BE REMOVED FROM THE TRAVELWAY SO THAT THE MESSAGE IS NOT VISIBLE TO THE MOTORIST. INTERIM SIGNS THAT ARE PERMANENTLY MOUNTED SHALL BE COVERED WHEN NOT APPLICABLE. SEE SECTION 150.
- PROJECT SIGNS W01-1, W01-4 AND W01-5 FOR THIS PROJECT SHALL BE COORDINATED WITH ADJACENT CONSTRUCTION PROJECTS. ONLY ONE SET OF SIGNS SHALL BE REQUIRED IN EACH DIRECTION FOR THE PROJECT. LENGTH OF ALL PROJECT SIGNS ARE NOT REQUIRED ON INTERMEDIATE PROJECTS. SINGLE CONSTRUCTION SIGNS SHALL BE MOUNTED AT THE BEGINNING OF THE PROJECT. INTERIM SIGNS SHALL BE MOUNTED AS NECESSARY TO MAINTAIN TRAFFIC TO REMAIN AS OPERATIONAL AS POSSIBLE.
- ALL THE COST OF THE MATERIALS, LABOR AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE PRICE BID FOR EACH ITEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF THE MATERIALS, LABOR AND EQUIPMENT NECESSARY TO COMPLETE THE WORK.
- FOR PRECISE CONSTRUCTION THE CONTRACTOR SHALL ARRANGE HIS WORK SO THAT THERE IS AN EXIT ROAD SIGN AND AN EXIT DIRECTION SIGN IN PLACE FOR ALL EXIT RAMP AT ALL TIMES.
- ALL CROSSOVERS, INTERCHANGES, RAMP OR OTHER ENTRANCES TO MAINLINE CONSTRUCTION SHALL REQUIRE W01-4 SIGNS LOCATED AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
- MARKERS AND STRIPES SHALL BE INSTALLED IN CONFORMANCE WITH THE LATEST EDITION OF THE MUTCD. MARKERS AND STRIPES SHALL BE INSTALLED IN CONFORMANCE WITH THE LATEST EDITION OF THE MUTCD.
- ANY CHANNELING DEVICES (DUMPS OR BANKS) IN CONFLICT WITH CONCRETE BARRIERS SHALL BE OMITTED.
- CONTRACTOR SHALL PROVIDE THE NECESSARY TRAFFIC CONTROL DURING THE TIE-IN OPERATION.
- THE TRAFFIC CONTROL DEVICES SHOWN FOR ANY STAGE CONSTRUCTION SHALL REMAIN IN PLACE AND BE UTILIZED TO MAINTAIN TRAFFIC TO REMAIN AS OPERATIONAL AS POSSIBLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF THE MATERIALS, LABOR AND EQUIPMENT NECESSARY TO COMPLETE THE WORK.
- EXISTING GUIDE SIGNS SHALL REMAIN IN PLACE SO LONG AS THEY DO NOT INTERFERE WITH THE CONSTRUCTION OF THE PROJECT. ANY SIGNAGE IN CONFLICT WITH THE TRAFFIC CONTROL DEVICES SHALL BE REMOVED OR RELOCATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF THE MATERIALS, LABOR AND EQUIPMENT NECESSARY TO COMPLETE THE WORK.
- ON PROJECTS WITH LOW OR SOFT SHOULDER, THE CONTRACTOR SHALL ERECT IMMEDIATELY AHEAD OF CONSTRUCTION OPERATIONS, UNLESS OTHERWISE SPECIFIED, WARNING SIGNS AT INTERVALS NOT TO EXCEED 1 MILE AND IMMEDIATELY BEHIND EACH CROSSOVER.
- WHERE THE CONTRACTOR IS NOT RESPONSIBLE FOR SHOULDER CONSTRUCTION, THE DEPARTMENT WILL FURNISH THESE SIGNS. THE CONTRACTOR TO PICK UP, TRANSPORT, AND ERECT. THE DEPARTMENT WILL LATER REMOVE AND RETAIN THE SIGNS.



STANDARD LEGEND

- STRIPED DRUM
- PERMANENT TYPE POST MOUNTED SIGN (7" MOUNT HEIGHT)
- TEMPORARY POST MOUNTED SIGN - (17" MOUNT HEIGHT)
- PORTABLE MOUNTED SIGN - MINIMUM HEIGHT OF 1 FT. ABOVE THE EDGE OF PAVEMENT. INSTALLED AS PER SECTION 603 TESTING REQUIREMENTS.
- WORK AREA
- ▲ TRAFFIC CONE - 28" MIN. - DAYTIME USE ONLY
- ▲ FLAGGER WITH STOP-SLOW PADDLE
- ▲ TRAFFIC IMPACT ATTENUATOR (CRASH CUSHION)
- TYPE CLEAR (WHITE) DELINEATOR - SINGLE FACE
- TYPE YELLOW DELINEATOR - SINGLE FACE
- TYPE CLEAR (WHITE) DELINEATOR DOUBLE FACE
- TYPE YELLOW DELINEATOR DOUBLE FACE



131 Prominence Court, Suite 230
Dawsonville, GA 30534
Mobile: 770-597-8813
Contact: Corey Guthrie, PE, CFM
Email: Corey.Guthrie@ensiteconsulting.com

OWNER/DEVELOPER:
DAWSON COUNTY PUBLIC WORKS
60 TRANSPORTATION LANE
DAWSONVILLE, GA 30534

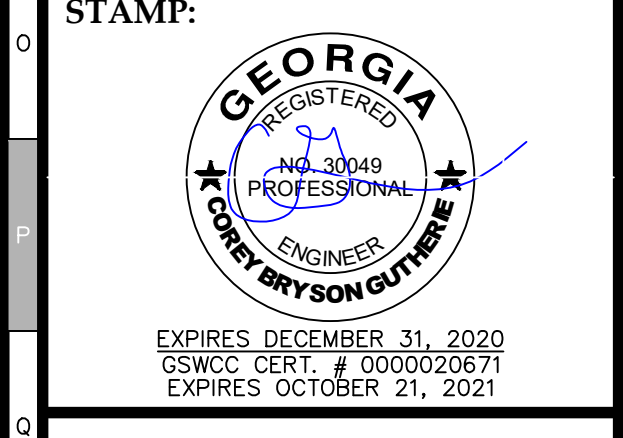
PHONE: (706) 344-3500
EXT. 42227

24-HOUR CONTACT:
DAVID MCKEE
(706) 344-3500 EXT. 42227
EMAIL:
dmckee@dawsoncounty.org

PROJECT:
HARRY SOSEBEE ROAD & LUMPKIN CAMPGROUND ROAD ROUNDABOUT

LOCATED IN:
LAND LOTS 496, & 497
13th DISTRICT, South SECTION,
DAWSON COUNTY, GEORGIA

SHEET TITLE:
ENGINEERING STANDARD DETAILS



DRAWING DATE: 2020-07-13

SHEET REVISIONS

NO.	DESCRIPTION	DATE
1	ADD PLUNGE POOLS M & N,	05/29/20
2	CONVERT STORM LINE Y TO ARCH CULVERT	
3	REVISE RW ON PROPERTY 107 053,	07/13/20
4	ADD FENCE & LANDSCAPING,	
5	CONVERT LINE W TO ARCH CULVERT & ADD DETAILS	

SHEET:
G3.09

OWNER/DEVELOPER:
DAWSON COUNTY PUBLIC WORKS
 60 TRANSPORTATION LANE
 DAWSONVILLE, GA 30534

PHONE: (706) 344-3500
EXT. 42227

24-HOUR CONTACT:
DAVID MCKEE
 (706) 344-3500 EXT. 42227
EMAIL:
 dmckee@dawsoncounty.org

PROJECT:
HARRY SOSEBEE ROAD & LUMPKIN CAMPGROUND ROAD ROUNDABOUT

LOCATED IN:
 LAND LOTS 496, & 497
 13th DISTRICT, South SECTION,
 DAWSON COUNTY, GEORGIA

SHEET TITLE:
ENGINEERING STANDARD DETAILS

DETAIL "A"(YELLOW)	DETAIL "B"(YELLOW)	DETAIL "C"(YELLOW)	DETAIL "D"(YELLOW)
DETAIL "A"(WHITE)	DETAIL "B"(WHITE)	DETAIL "C"(WHITE)	DETAIL "D"(WHITE)

GENERAL NOTES:
 1. FOR YELLOW STRIPING, THE SQUARE YARDS SHOWN ON PLAN, SUMMARY AND DETAILED ESTIMATE SHEETS INCLUDE THE AREA WITHIN THE BORDERS AND THE 5" SOLID DOUBLE YELLOW BORDER.
 2. FOR WHITE STRIPING, THE SQUARE YARDS SHOWN ON PLAN, SUMMARY AND DETAILED ESTIMATE SHEETS INCLUDES THE AREA WITHIN THE BORDERS AS WELL AS THE 8" SOLID WHITE BORDER.

GEORGIA DEPARTMENT OF TRANSPORTATION

DATE	REVISIONS	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: TRAFFIC OPERATIONS
6/29/04	Initial general notes 1	
1/18/05	CHANGED BORDER	
11/21/08	Modified general notes 1	

STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION
 OFFICE: TRAFFIC OPERATIONS
SIGNING AND MARKING PLANS
 DETAIL OF PAVEMENT MARKING HATCHING
 JANUARY 2000
 NUMBER T-14

GENERAL NOTES:
 1. FORM SHALL BE FULL WIDTH OF LANE. (NOTE: NOT TO EXCEED CENTER LINE OR EDGE LINE PAVEMENT MARKINGS INCLUDING, IF APPLICABLE, RAISED PAVEMENT MARKERS).
 2. SEE SECTION 429 OF THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS CONSTRUCTION OF TRANSPORTATION SYSTEMS FOR MATERIALS, CONSTRUCTION REQUIREMENTS, MEASUREMENT, AND PAYMENT.
 3. FORM SHOWN FOR REQUIRED SIZE AND SPACING OF RUMBLE STRIPS. OTHER MATERIALS FOR CONSTRUCTION OF FORM MAY BE USED AS APPROVED BY THE ENGINEER.
 4. THERMOPLASTIC REFLECTORIZED PAVEMENT MARKING COMPOUND IN ACCORDANCE TO SECTION 653 MAY BE USED IN LIEU OF ASPHALT CONCRETE. THE USE OF THERMOPLASTIC SHALL BE APPROVED BY THE DISTRICT MAINTENANCE ENGINEER.

DATE	REVISIONS	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: TRAFFIC SAFETY & DESIGN
12-01-20	ADDED RUMBLE STRIP	
12-01-20	ADDED RUMBLE STRIP	

GEORGIA DEPARTMENT OF TRANSPORTATION
 OFFICE: TRAFFIC SAFETY & DESIGN
DETAILS AND PLACEMENT OF RUMBLE STRIPS
 NO SCALE
 JANUARY 2000

SECTION A-A NOT TO SCALE (NOTE 3)

GENERAL NOTES:
 1. GEORGIA STANDARD SPECIFICATIONS CURRENT EDITION AND SUPPLEMENTS THERETO.
 2. USE THIS STANDARD FOR SINGLE-LANE AND MULTI-LANE ROUNDABOUTS WHERE CIRCULATORY ROADWAY PAVING IS ASPHALT CONCRETE.
 3. REFER TO PLANS FOR SECTION A-A SLOPES AND DIMENSIONS SHOWN AS VARIES OR TYPICAL, AND FOR CIRCULATORY ROADWAY PAVEMENT SCHEDULES.
 4. SEE GA STANDARD 903-4 FOR CONCRETE CURB AND GUTTER, HEADER CURBS, AND SPLITTER ISLANDS. CONCRETE MEDIANS, SEE GA CONSTRUCTION DETAILS A-3 AND A-4 FOR WHEELCHAIR RAMPS AND CROSSABLE DETAILS.
 5. STAMPED CONCRETE SHALL BE RED WITH COBBLE PATTERN UNLESS OTHERWISE SPECIFIED ON PLANS.
 6. CONCRETE TRUCK APRON SHALL BE 10" THICK UNLESS OTHERWISE SPECIFIED ON PLANS.
 7. CONTRACTION JOINTS SHALL BE EQUALLY SPACED. THE OUTSIDE CHORD SHALL BE LESS THAN OR EQUAL TO 5'-0". THE INSIDE CHORD SHALL BE GREATER THAN OR EQUAL TO 4'-0". IF TRUCK APRON IS MORE THAN 16" NOMINAL, GARD, JOINTS, SEALS, AND TIE-BARS ARE REQUIRED. SEE GA STANDARD 904-11 FOR ADDITIONAL PORTLAND CEMENT CONCRETE PAVING JOINT DETAILS.

DATE	REVISIONS	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION
1/18/05	CHANGED BORDER	
11/21/08	Modified general notes 1	

DEPARTMENT OF TRANSPORTATION
 STATE OF GEORGIA
CONSTRUCTION DETAIL
 ROUNDABOUT
 TYPICAL SECTION
 ASPHALTIC CONCRETE CIRCULATORY ROADWAY
 NO SCALE
 JANUARY 2002
 NUMBER RA-2

GEORGIA811
 Utilities Protection Center, Inc.
 1-800-282-7411
 Know what's below.
 Call before you dig.

STAMP:

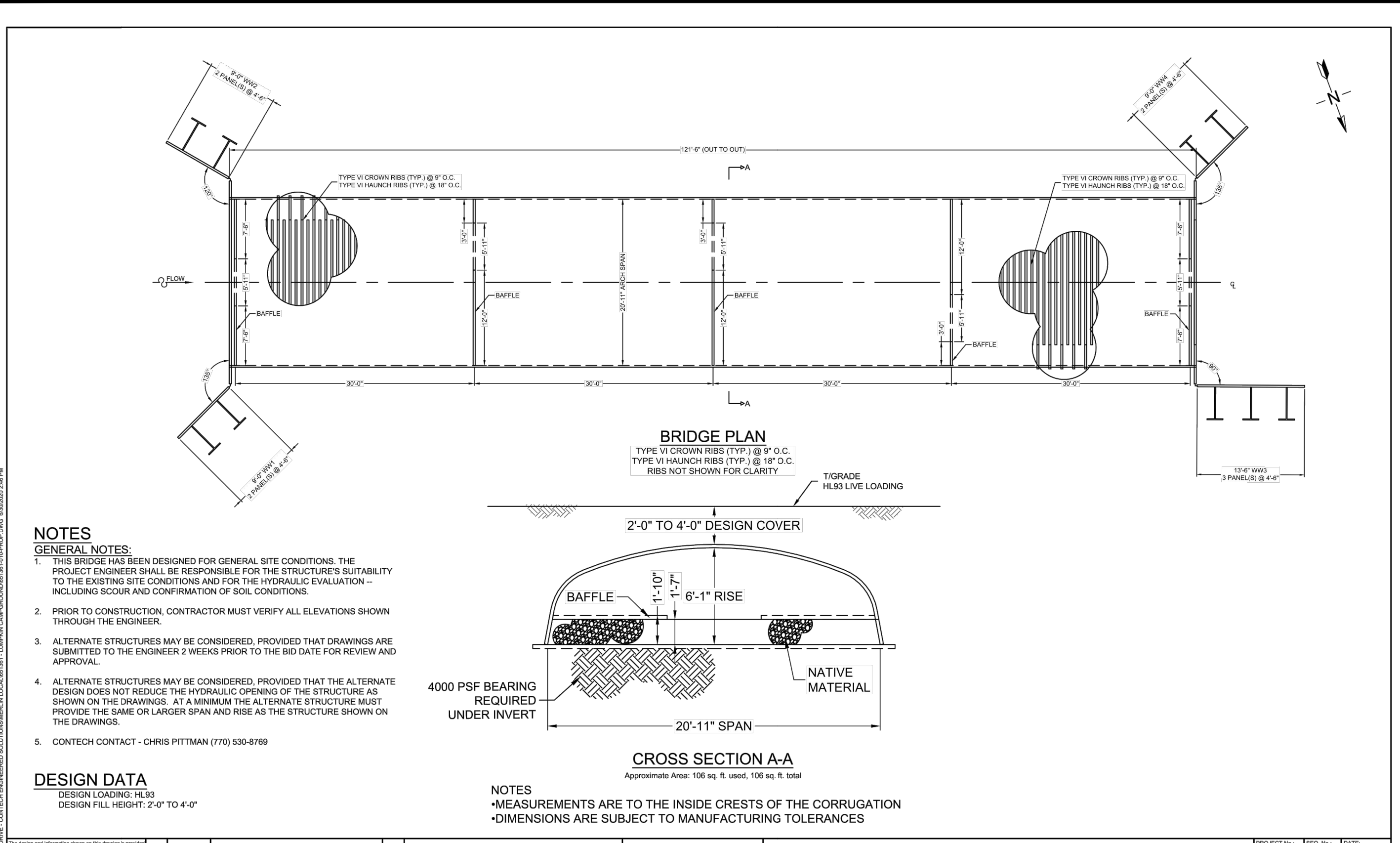
EXPIRES DECEMBER 31, 2020
 GSWCC CERT. # 0000020671
 EXPIRES OCTOBER 21, 2021

DRAWING DATE: 2020-07-13

SHEET REVISIONS

NO.	DESCRIPTION	DATE
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2	CONVERT STORM LINE Y TO ARCH CULVERT	
3	REVISE RW ON PROPERTY 107 053,	07/13/20
4	ADD FENCE & LANDSCAPING,	
5	CONVERT LINE W TO ARCH CULVERT & ADD DETAILS	

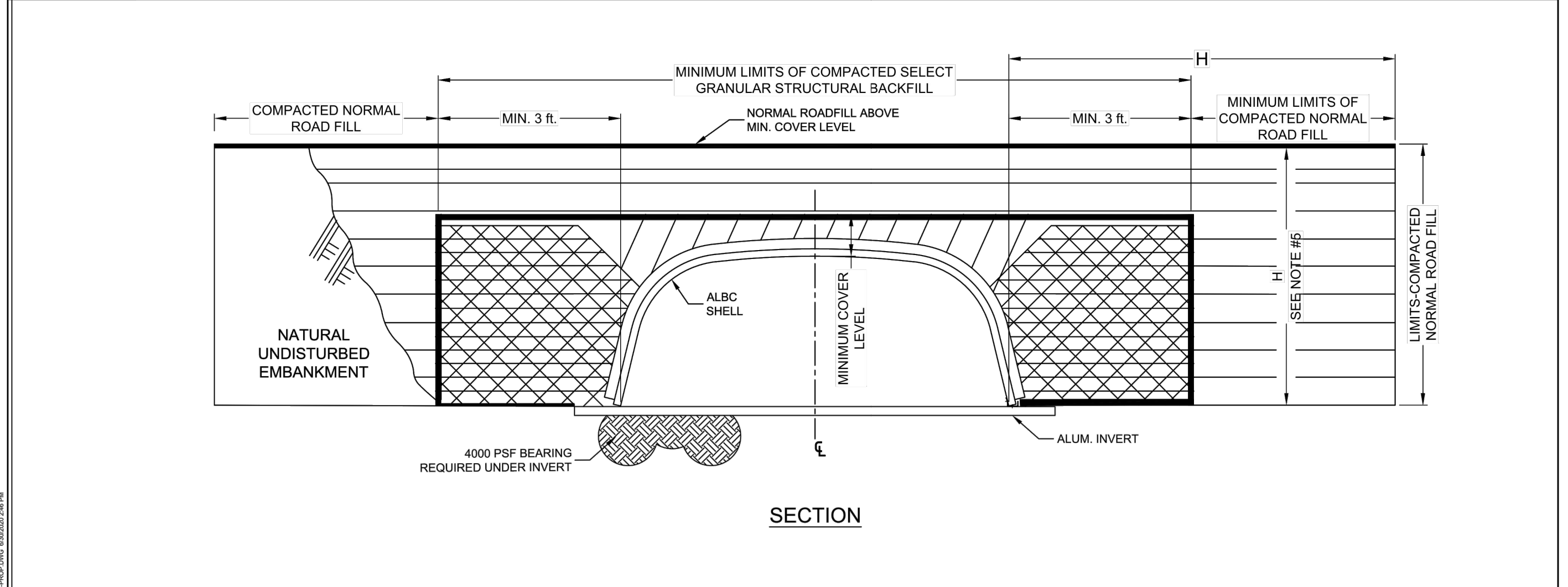
SHEET: G3.10



DESIGN DATA
DESIGN LOADING: HL93
DESIGN FILL HEIGHT: 2'-0\"/>

PROJECT NO.	651361	REV. NO.	001	DATE	6/30/2020
DESIGNED		DRAWN		REC	
CHECKED		APPROVED			
SHEET NO.	1 of 4				

ALBC #56 - 20'-11" X 6'-1" LUMPKIN CAMPGROUND ROUND-A-BOUT PROPOSED CULVERT DAWSONVILLE, GA



NOTES:

- ALL SELECT GRANULAR BACKFILL TO BE PLACED IN A BALANCED FASHION IN THIN LIFTS (6\"/>
- COMPLETE AND REGULAR MONITORING OF THE ALUMINUM BOX CULVERT SHAPE IS NECESSARY DURING ALL BACKFILLING OF THE STRUCTURE.
- PREVENT EXCESSIVE DISTORTION OF SHAPE AS NECESSARY BY VARYING COMPACTION METHODS AND EQUIPMENT.
- TRENCH WIDTH OTHER THAN 6 FT. SHALL BE BY DIRECTION OF THE ENGINEER OF RECORD.
- "H" = STRUCTURE RISE + MAXIMUM ALLOWABLE COVER FOR SHAPE DESIGN SPECIFIED.

ADDITIONAL BACKFILL NOTES:

SATISFACTORY BACKFILL MATERIAL, PROPER PLACEMENT, AND COMPACTION ARE KEY FACTORS IN OBTAINING MAXIMUM STRENGTH AND STABILITY.

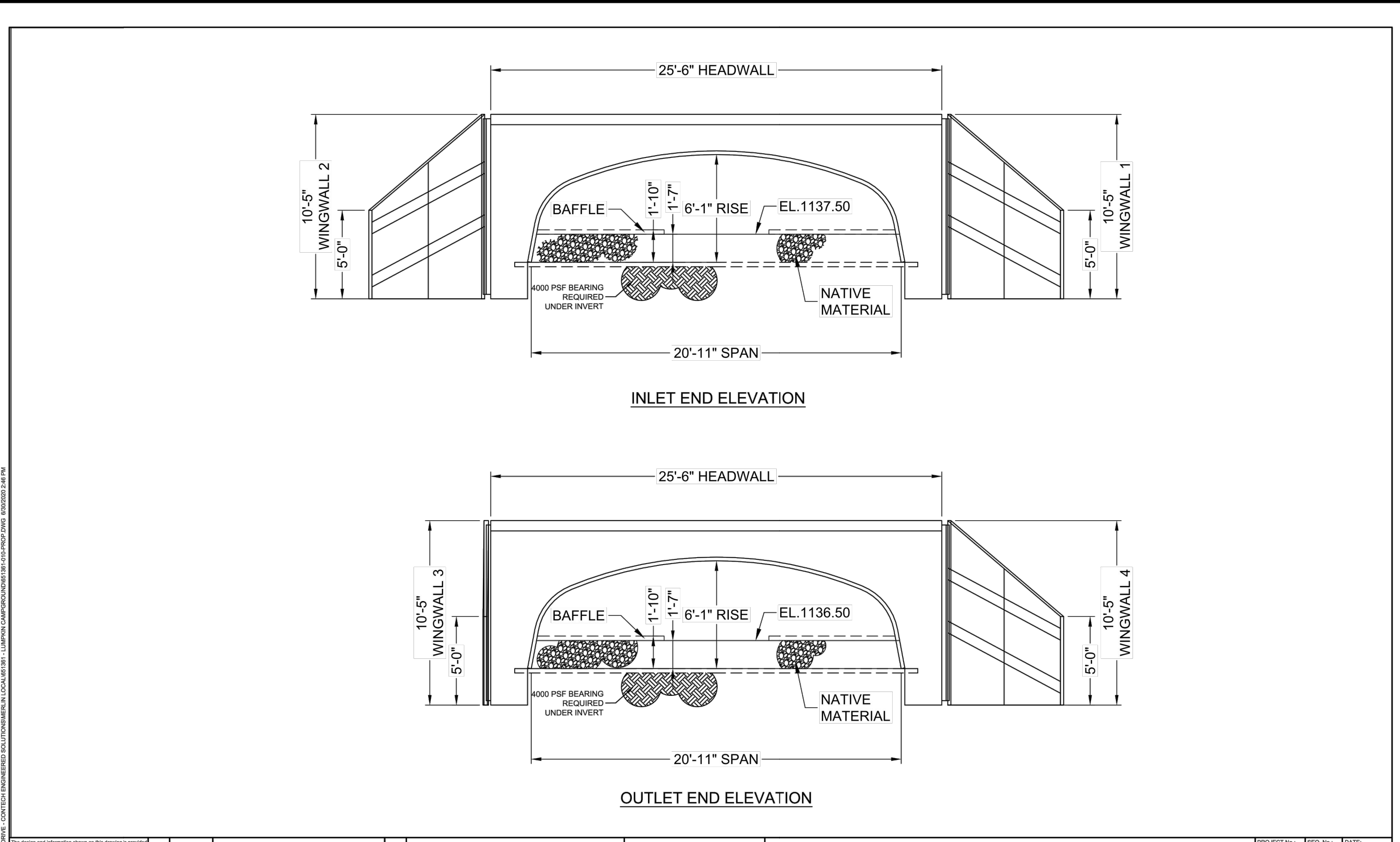
THE BACKFILL MATERIAL SHOULD BE FREE OF ROCKS, FROZEN LUMPS, AND FOREIGN MATERIAL THAT COULD CAUSE HARD SPOTS OR DECOMPOSE TO CREATE VOIDS. BACKFILL MATERIAL SHOULD BE WELL GRADED GRANULAR MATERIAL THAT MEETS THE REQUIREMENTS OF AASHTO M-145 FOR SOIL CLASSIFICATIONS A-1, A-2, A-2.5. BACKFILL MUST BE REPLACED SYMMETRICALLY ON EACH SIDE OF THE STRUCTURE IN 8\"/>

A HIGH PERCENTAGE OF SILT OR FINE SAND IN THE NATIVE SOILS SUGGESTS THE NEED FOR A WELL GRADED GRANULAR BACKFILL MATERIAL TO PREVENT SOIL MIGRATION.

DURING BACKFILL, ONLY SMALL TRACKED VEHICLES (D-4 OR SMALLER) SHOULD BE NEAR THE STRUCTURE AS FILL PROGRESSES ABOVE THE CROWN AND TO THE FINISHED GRADE.

PROJECT NO.	651361	REV. NO.	001	DATE	6/30/2020
DESIGNED		DRAWN		REC	
CHECKED		APPROVED			
SHEET NO.	3 of 4				

ALBC #56 - 20'-11" X 6'-1" LUMPKIN CAMPGROUND ROUND-A-BOUT PROPOSED CULVERT DAWSONVILLE, GA



PROJECT NO.	651361	REV. NO.	001	DATE	6/30/2020
DESIGNED		DRAWN		REC	
CHECKED		APPROVED			
SHEET NO.	2 of 4				

ALBC #56 - 20'-11" X 6'-1" LUMPKIN CAMPGROUND ROUND-A-BOUT PROPOSED CULVERT DAWSONVILLE, GA

SPECIFICATIONS FOR MANUFACTURE AND INSTALLATION OF CONTECH® ALUMINUM BOX CULVERT #88-143

I - GENERAL

1.0 STANDARDS AND DEFINITIONS

- STANDARDS - All standards refer to latest edition unless otherwise noted.
 - ASTM B-884 "Standard Specification for Corrugated Aluminum Box Culverts" (AASHTO Designation M-219)
 - AASHTO Standard Specification for Highway Bridges - Section 12 Division 1 - Design.
 - AASHTO Standard Specification for Highway Bridges - Section 28 Division II - Construction.
- DEFINITIONS
 - Owner - In these specifications the word "Owner" shall mean the Engineer of Record or Owner's designated engineering representative.
 - Engineer - In these specifications the word "Engineer" shall mean the Engineer of Record or Owner's designated engineering representative.
 - Manufacturer - In these specifications the word "Manufacturer" shall mean CONTECH ENGINEERED SOLUTIONS 805-338-1122 CONTECH CONTACT: CHRIS PITTMAN (770) 530-8789
 - Contractor - In these specifications the word "Contractor" shall mean the firm or corporation undertaking the execution of any installation work under the terms of these specifications.
 - Approved - In these specifications the word "approved" shall refer to the approval of the Engineer or his designated representative.
 - As Directed - In these specifications the word "as directed" shall refer to the direction of the Contractor from the Owner or his designated representative.
- GENERAL CONDITIONS
 - The Contractor shall furnish all labor, material and equipment and perform all work and services except those set out and furnished by the Owner, necessary to complete in a satisfactory manner the site preparation, installation, filling, compaction, grading as shown on the plans and as described herein. This work shall consist of all mobilization, clearing and grading, grubbing, removal of existing material unless otherwise stated, preparation of the bed to be filled, filling of the bed, bedding and compaction of the fill, and all subsequent work necessary to complete the grading of the cut and fill areas to conform with the plans, grades, slopes, and specifications. This work is to be accomplished under the observation of the Owner or his designated representative.
 - Prior to bedding the work, the Contractor shall examine, investigate and inspect the construction site as to the nature and location of the work, and the general and local conditions at the construction site, including without limitation, the character of surface or subsurface conditions and obstacles to be encountered on and around the construction site and shall make such additional investigation as he may deem necessary for the planning and proper execution of the work. If conditions other than those indicated are discovered by the Contractor, the Owner shall be notified immediately. The material which the Contractor believes to be a change condition shall not be disturbed so that the owner can investigate the condition.
 - The construction shall be performed under the direction of the Engineer. All aspects of the structure design and site layout including foundations, bedding, and treatments and necessary scour consideration shall be performed by the Engineer. Any modification guidelines provided herein shall be endorsed by the Engineer or superseded by the Engineer's plans and specifications.

II - ALUMINUM BOX CULVERT

1.0 GENERAL

- Manufacturer shall fabricate the aluminum box culvert as shown on the plans. Fabrication shall conform to the requirements of ASTM B-884 and that consist of plates, ribs, and appurtenant items. Plate thickness, rib spacing, and treatment and type of rivet and foundation shall be as indicated on the plans. All manufacturing processes including corrugating, punching, curving and required galvanizing shall be performed within the United States of America.
- The contractor shall verify all field dimensions and conditions prior to ordering materials.

2.0 DIMENSIONS

- The proposed structure shall be an ALUMINUM BOX CULVERT with the following dimensions:
Span: 20'-11" Rise: 6'-1"
Haunch Depth: 0.125 Crown Slope: 0.125
Haunch Rib Spacing: 18" Crown Rib Type: TYPE VI
Haunch Rib Spacing: 18" Crown Rib Spacing: 18"
- All plan dimensions on the contract drawings are measured in a true horizontal plane unless otherwise noted.

3.0 ASSEMBLY AND INSTALLATION

- Bolts and nuts shall conform to the requirements of ASTM A-307 or ASTM A-449. The box culvert shall be assembled in accordance with the plans and specifications, the manufacturer's recommendations, and AASHTO Standard Specification for Highway Bridges - Section 28 Division 1 - Construction. Bolts shall be tightened using an applied torque between 100 and 150 ft.-lb.
- The box culvert shall be installed in accordance with the plans and specifications, the manufacturer's recommendations, and AASHTO Standard Specification for Highway Bridges - Section 28 Division 1 - Construction. The trench width shall be shown on the plans. Poor quality in situ embankment material must be removed and replaced with suitable backfill as directed by the Engineer.
- Bedding preparation is critical to both structure performance and service life. The bed should be constructed to uniform the line and grade to avoid distortions that may create undesirable stresses in the structure and/or rapid deterioration of the roadway. The bed should be free of rock formations, protruding stones, frozen lumps, roots, and other foreign matter that may cause unequal settlement.
- Bedding shall provide a minimum of 4,000 psf bearing capacity. Foundation details for bearing capacity less than 4,000 psf shall be approved by the Engineer.
- The structure shall be assembled in accordance with the Manufacturer's instructions. All plates shall be unlabeled and handled with reasonable care. Plates shall not be rolled or dragged over gravel rock and shall be prevented from striking rock or other hard objects during placement in trench or on bedding.
- The structure shall be backfilled using clean well graded granular material that meets the requirements for soil classifications A-1, A-2, A-2.5 modified to be more select than AASHTO M-145. See the information at the right of this sheet. Backfill must be placed symmetrically on each side of the structure in 6 to 8 inch loose lifts. Each lift shall be compacted to a minimum of 90 percent density per AASHTO T-180. Normal highway traffic is not allowed to cross the structure until the structure has been backfilled and paved. If the road is unpaved, cover allowance to accommodate rutting shall be as directed by the Engineer.

PROJECT NO.	651361	REV. NO.	001	DATE	6/30/2020
DESIGNED		DRAWN		REC	
CHECKED		APPROVED			
SHEET NO.	4 of 4				

ALBC #56 - 20'-11" X 6'-1" LUMPKIN CAMPGROUND ROUND-A-BOUT PROPOSED CULVERT DAWSONVILLE, GA

ENSITE CIVIL CONSULTING, LLC
131 Prominence Court, Suite 230
Dawsonville, GA 30534
Mobile: 770-597-8813
Contact: Corey Guthrie, PE, CFM
Email: Corey.Guthrie@ensiteconsulting.com

OWNER/DEVELOPER:
DAWSON COUNTY PUBLIC WORKS
60 TRANSPORTATION LANE
DAWSONVILLE, GA 30534

**PHONE: (706) 344-3500
EXT. 42227**

24-HOUR CONTACT:
DAVID MCKEE
(706) 344-3500 EXT. 42227
EMAIL: dmckee@dawsoncounty.org

PROJECT:
HARRY SOSEBEE ROAD & LUMPKIN CAMPGROUND ROAD ROUNDABOUT

LOCATED IN:
LAND LOTS 496, & 497
13th DISTRICT, South SECTION,
DAWSON COUNTY, GEORGIA

SHEET TITLE:
ENGINEERING STANDARD DETAILS

GEORGIA811
Utilities Protection Center, Inc.
1-800-282-7411
Know what's below.
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STAMP:

GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. 33049
COREY GUTHERIE

EXPIRES DECEMBER 31, 2020
GSWCC CERT. # 0000020671
EXPIRES OCTOBER 21, 2021

DRAWING DATE: 2020-07-13

SHEET REVISIONS

NO.	DESCRIPTION	DATE
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SHEET: G3.11

NOTE
WATER LINE CONDUIT SPOT ELEVATIONS SHOWN TO TOP OF CONDUIT

ENSITE
CIVIL CONSULTING, LLC
131 Prominence Court, Suite 230
Dawsonville, GA 30534
Mobile: 770-597-8813
Contact: Corey Gutherie, PE, CFM
Email: Corey.Gutherie@ensiteconsulting.com

OWNER/DEVELOPER:
DAWSON COUNTY PUBLIC WORKS
60 TRANSPORTATION LANE
DAWSONVILLE, GA 30534

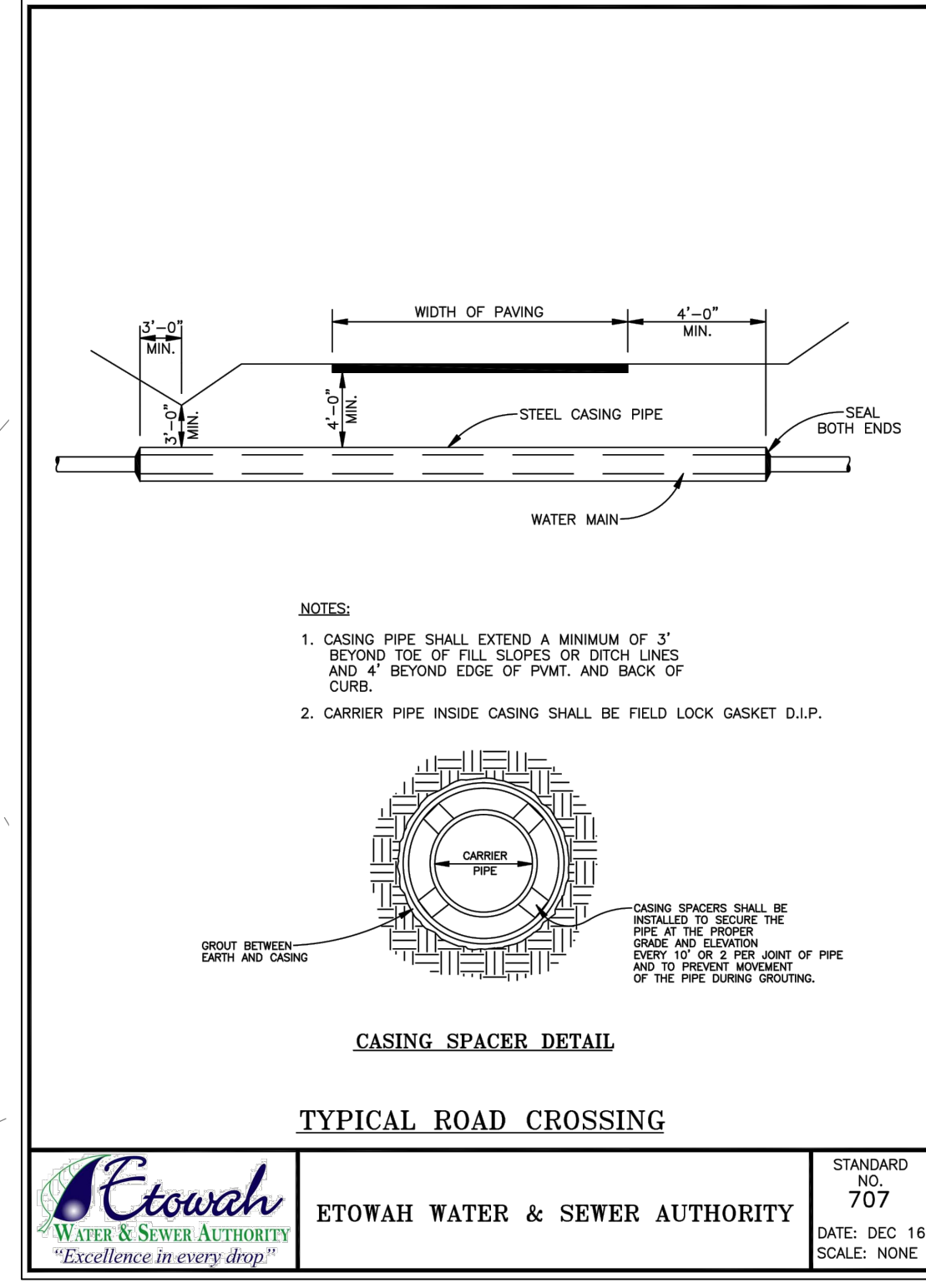
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PROJECT:
HARRY SOSEBEE ROAD & LUMPKIN CAMPGROUND ROAD ROUNDABOUT

LOCATED IN:
LAND LOTS 496, & 497
13th DISTRICT, South SECTION,
DAWSON COUNTY, GEORGIA

SHEET TITLE:
ROADWAY WATER & SEWER PLAN



ETOWAH WATER & SEWER AUTHORITY
STANDARD NO. 707
DATE: DEC 16
SCALE: NONE

GEORGIA811
Utilities Protection Center, Inc.
1-800-282-7411
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STAMP:
GEORGIA REGISTERED PROFESSIONAL ENGINEER
COREY RYSON GUTHERIE
EXPIRES DECEMBER 31, 2020
GSWCC CERT. # 0000020671
EXPIRES OCTOBER 21, 2021

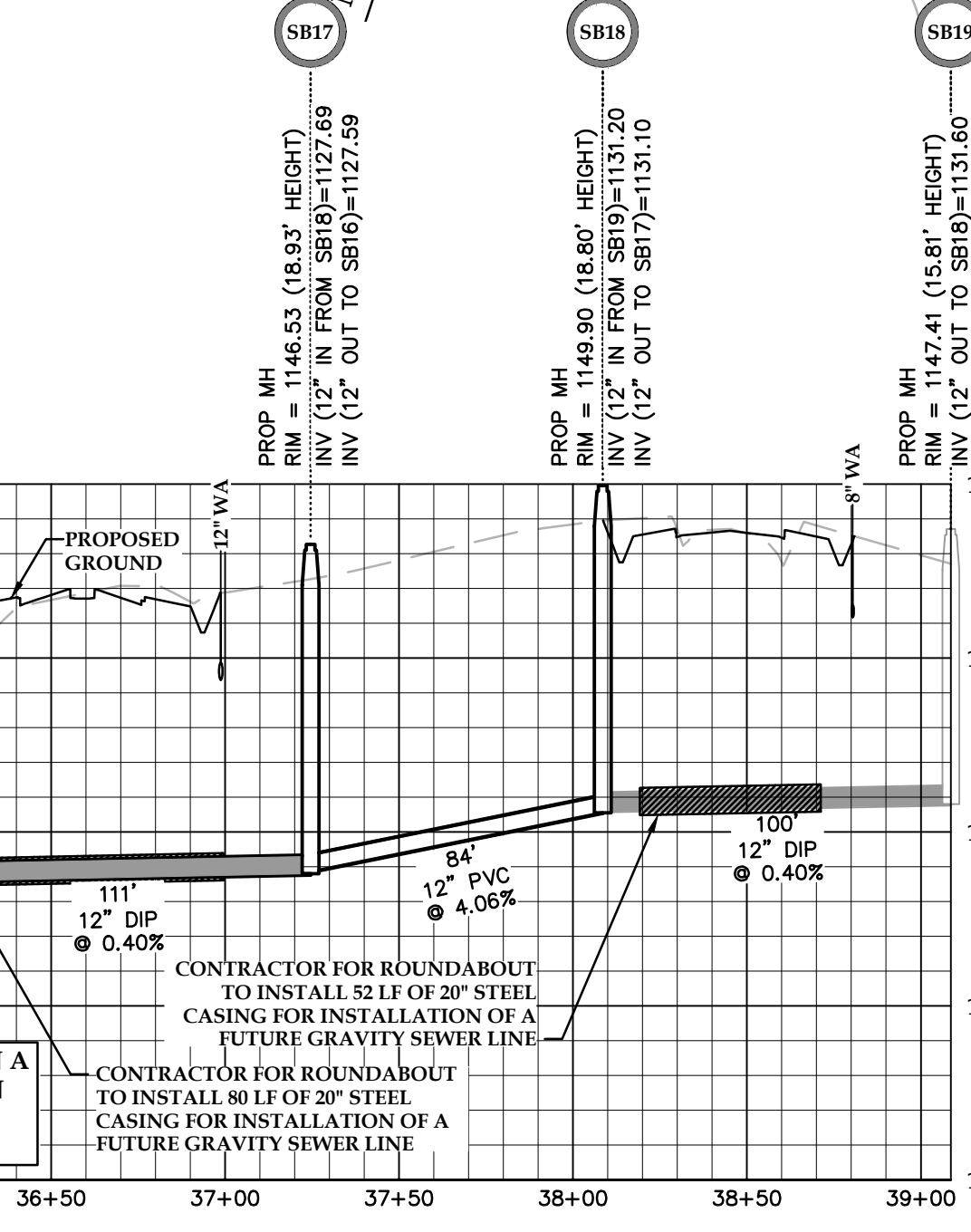
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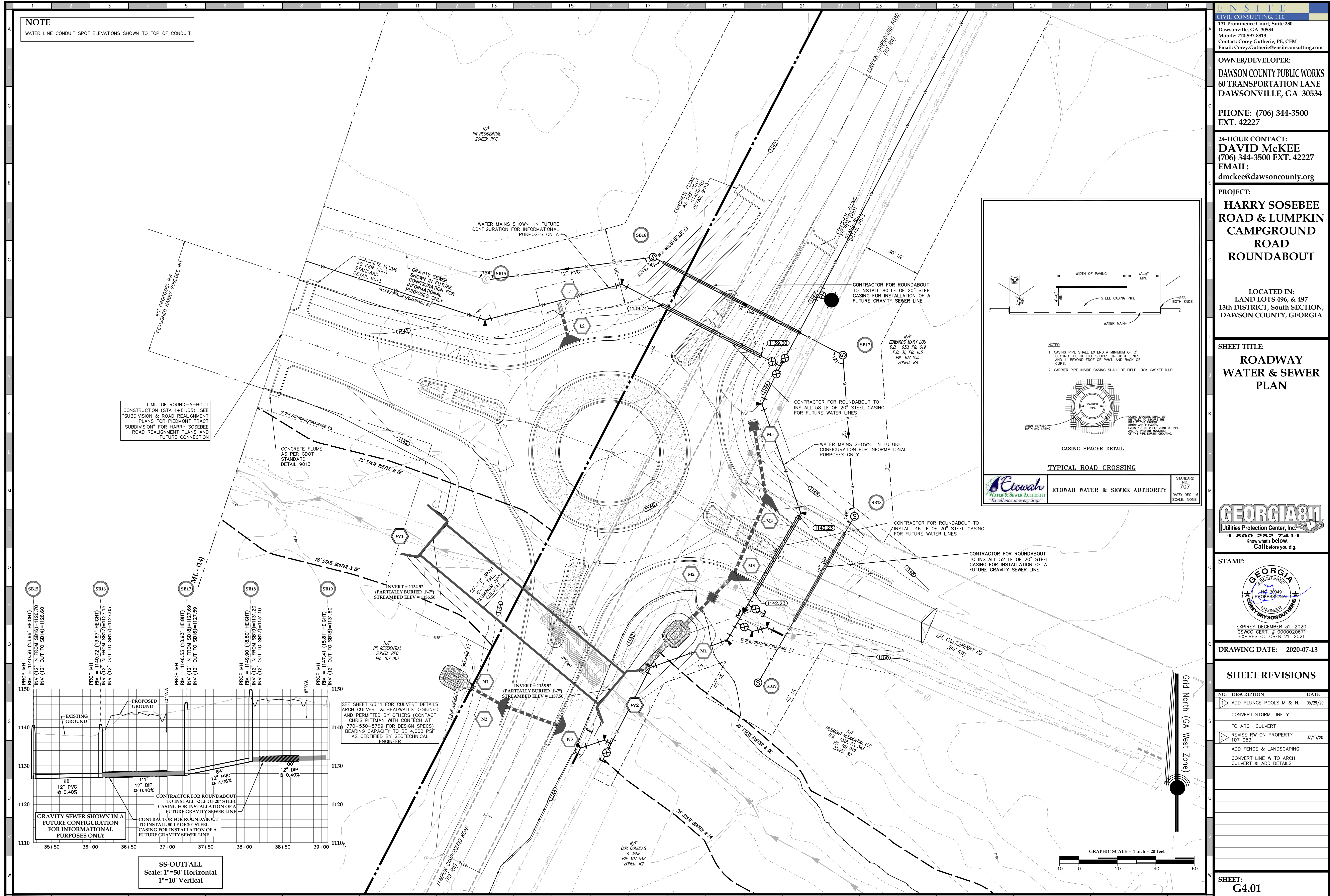
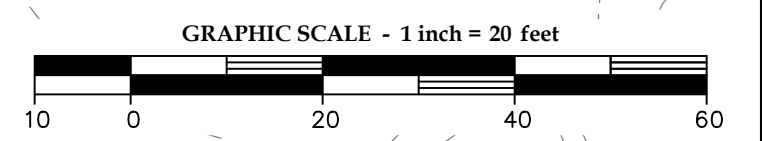
SHEET:
G4.01

LIMIT OF ROUND-A-BOUT CONSTRUCTION (STA 1+81.05); SEE "SUBDIVISION & ROAD REALIGNMENT PLANS FOR PIEDMONT TRACT SUBDIVISION" FOR HARRY SOSEBEE ROAD REALIGNMENT PLANS AND FUTURE CONNECTION



SS-OUTFALL
Scale: 1"=50' Horizontal
1"=10' Vertical

SEE SHEET G3.11 FOR CULVERT DETAILS ARCH CULVERT & HEADWALLS DESIGNED AND PERMITTED BY OTHERS (CONTACT CHRIS PITTMAN WITH CONTECH AT 770-530-8769 FOR DESIGN SPECS) BEARING CAPACITY TO BE 4,000 PSF AS CERTIFIED BY GEOTECHNICAL ENGINEER



OWNER/DEVELOPER:
 DAWSON COUNTY PUBLIC WORKS
 60 TRANSPORTATION LANE
 DAWSONVILLE, GA 30534

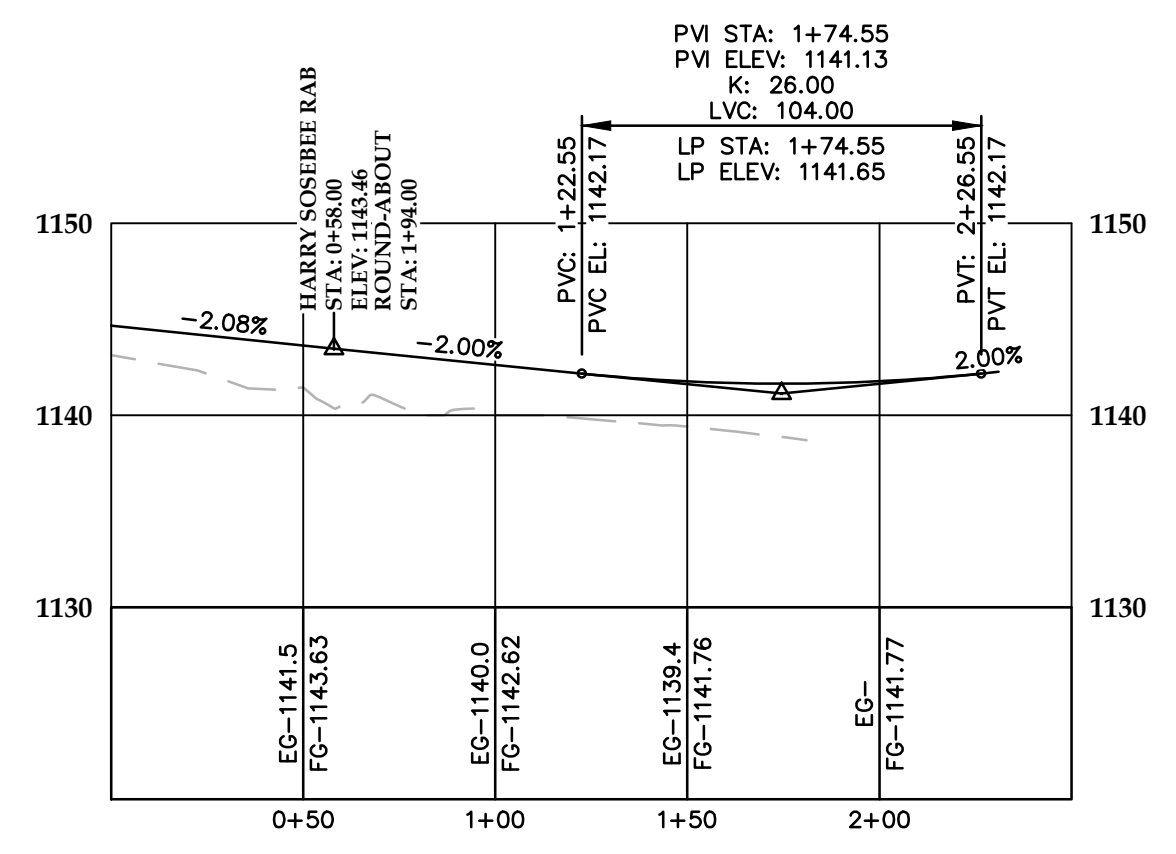
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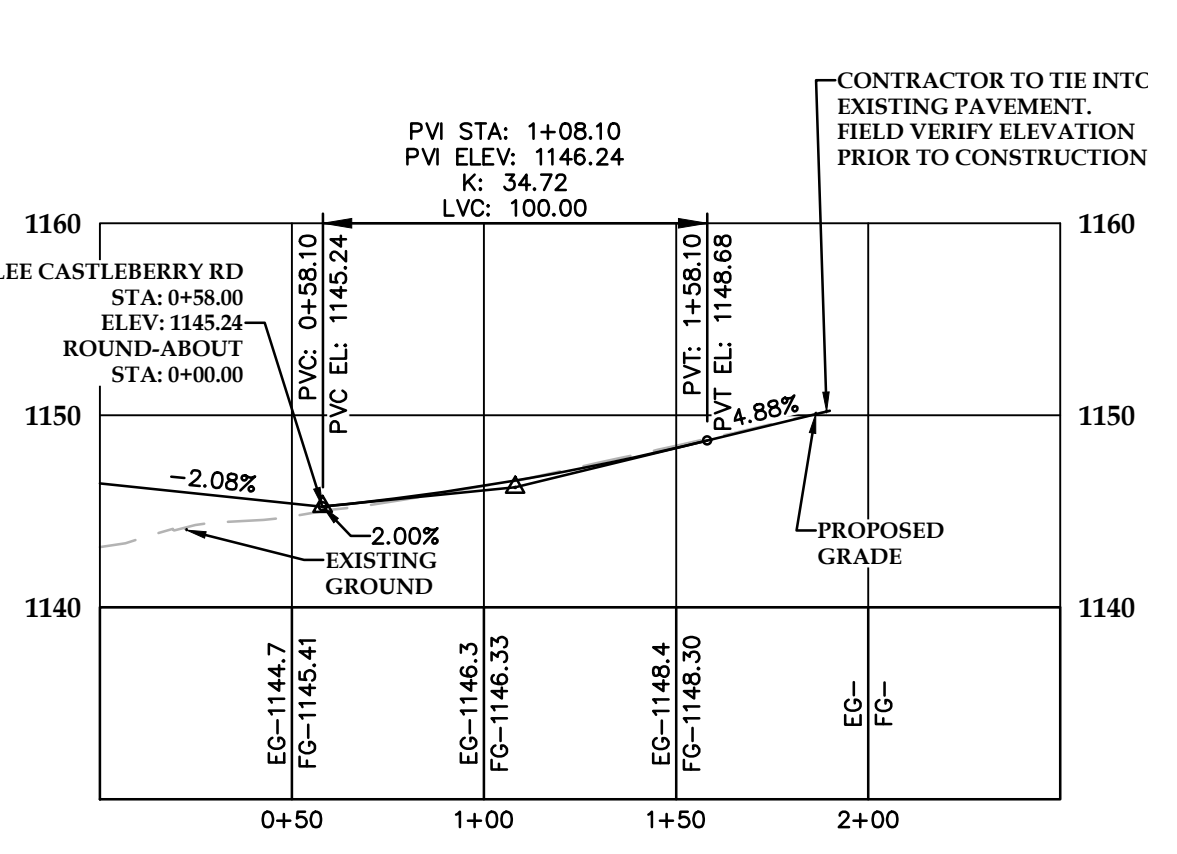
PROJECT:
HARRY SOSEBEE ROAD & LUMPKIN CAMPGROUND ROAD ROUNDABOUT

LOCATED IN:
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 DAWSON COUNTY, GEORGIA

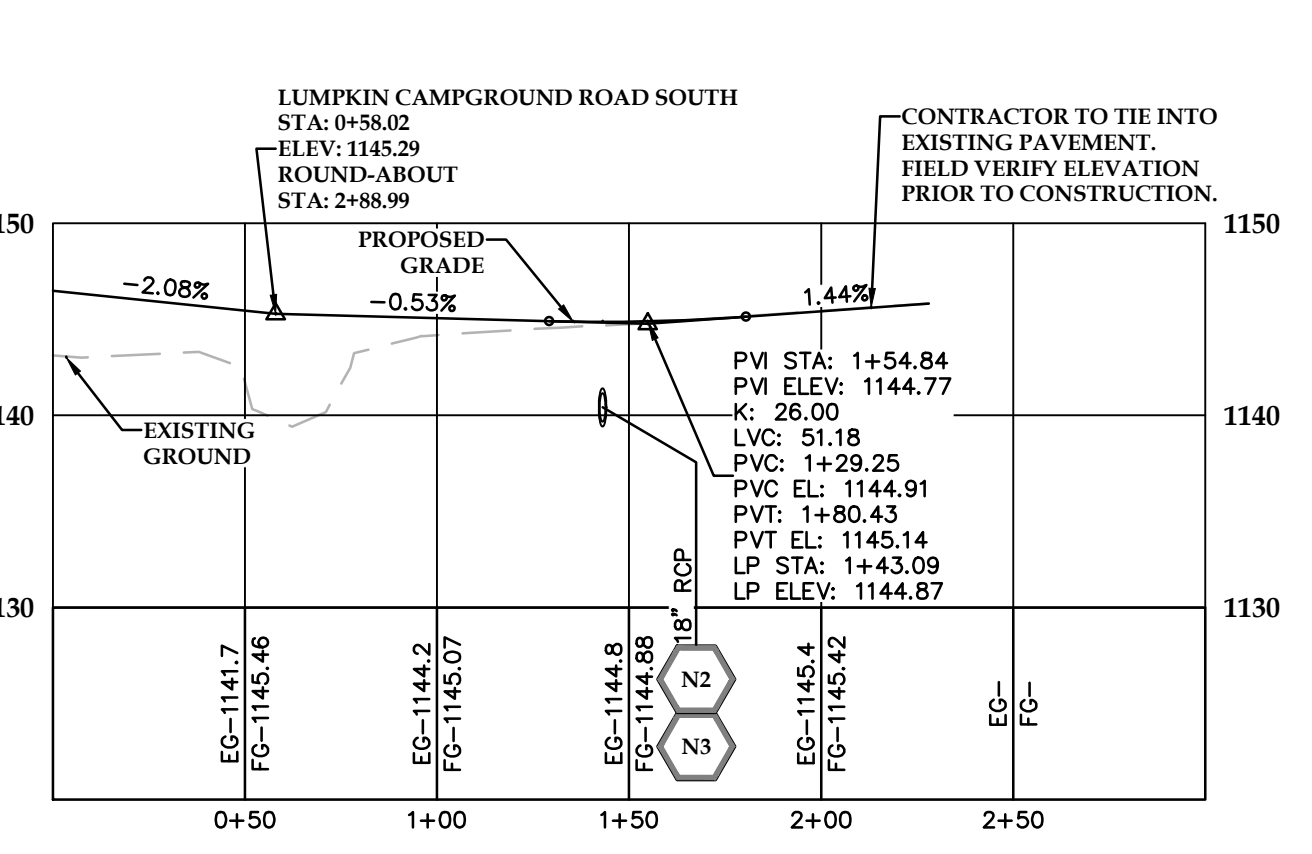
SHEET TITLE:
ROADWAY PROFILES



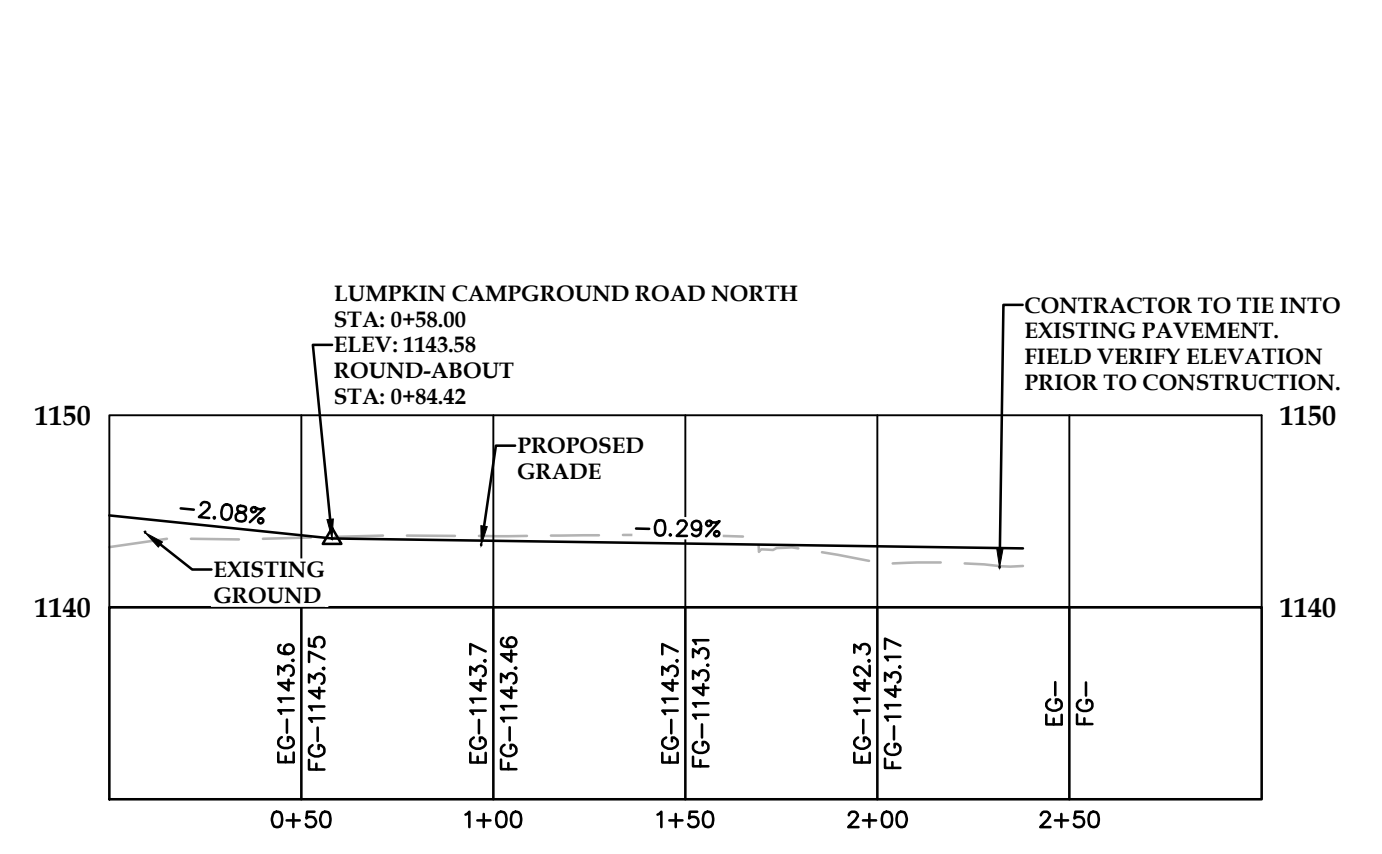
HARRY SOSEBEE RAB
 Scale: 1"=50' Horizontal
 1"=10' Vertical



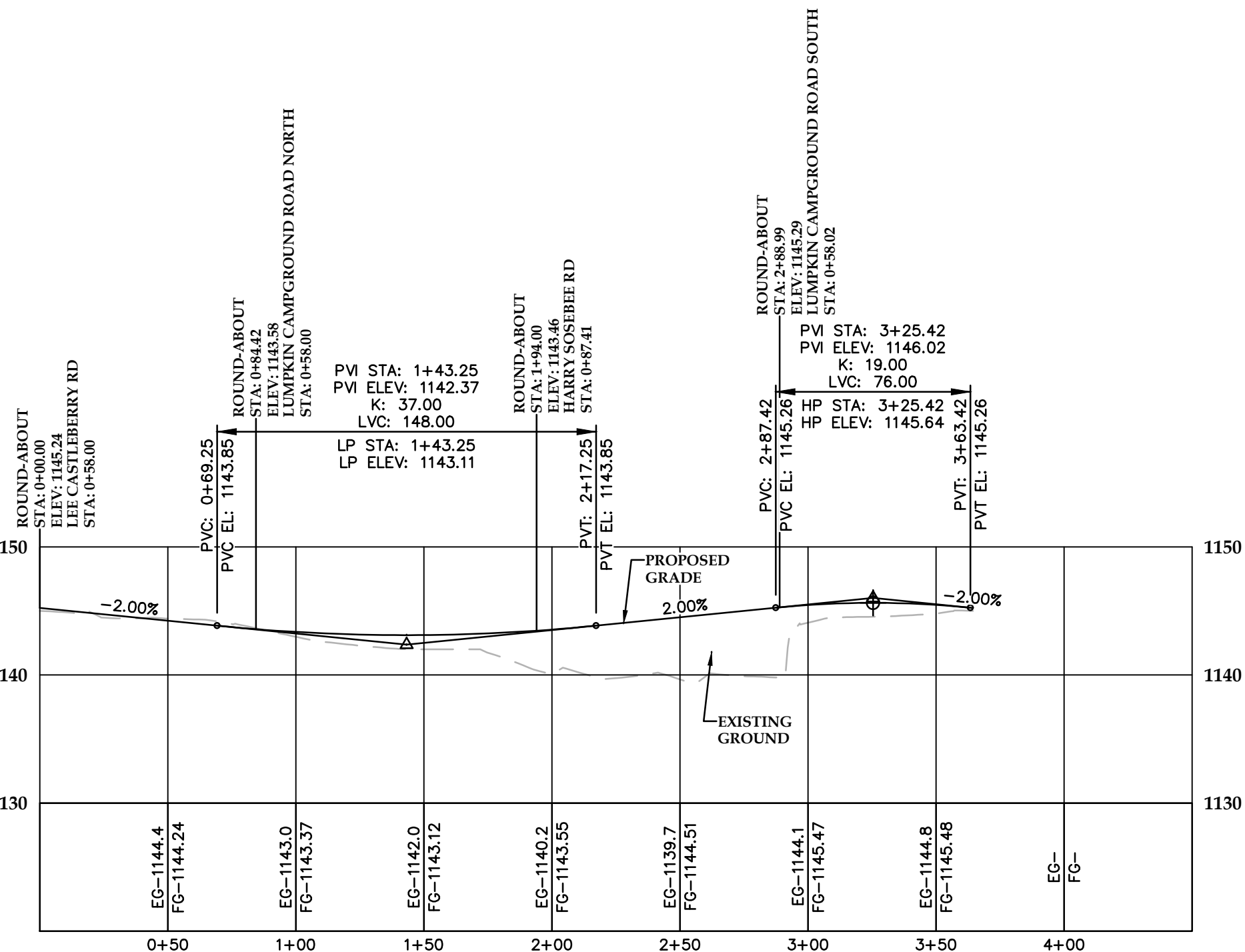
LEE CASTLEBERRY RD
 Scale: 1"=50' Horizontal
 1"=10' Vertical



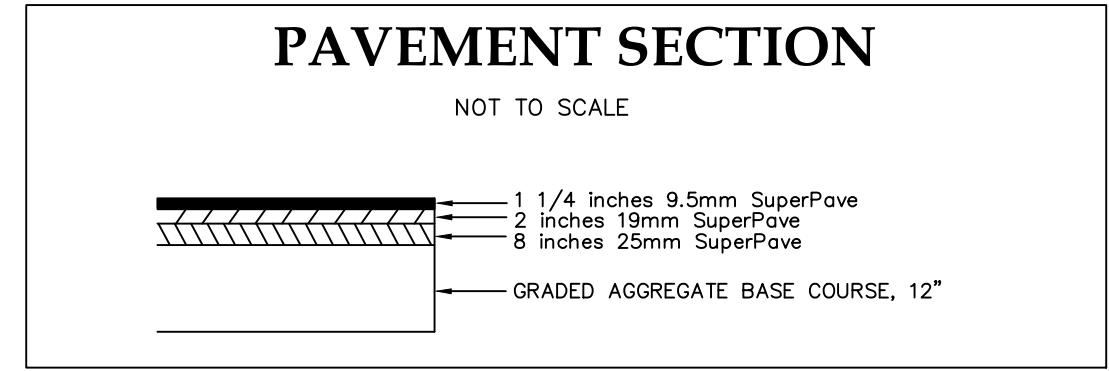
LUMPKIN CAMPGROUND ROAD SOUTH
 Scale: 1"=50' Horizontal
 1"=10' Vertical



LUMPKIN CAMPGROUND ROAD NORTH
 Scale: 1"=50' Horizontal
 1"=10' Vertical



ROUND-ABOUT
 Scale: 1"=50' Horizontal
 1"=10' Vertical



STREET NOTES

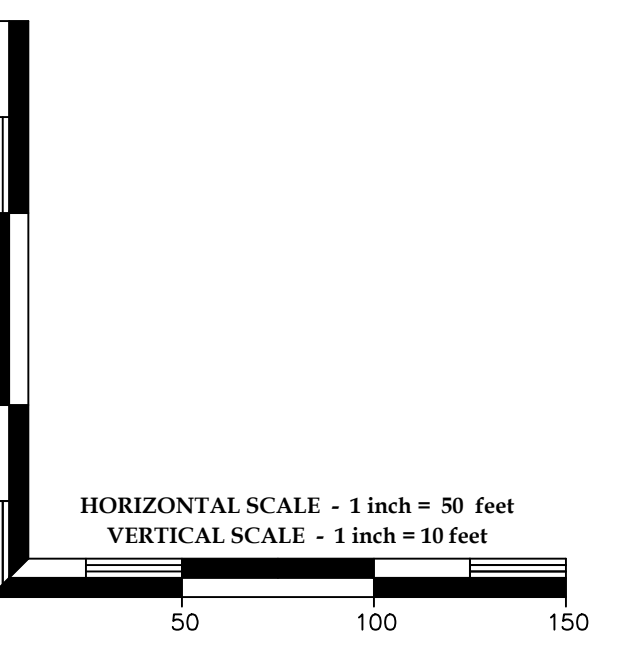
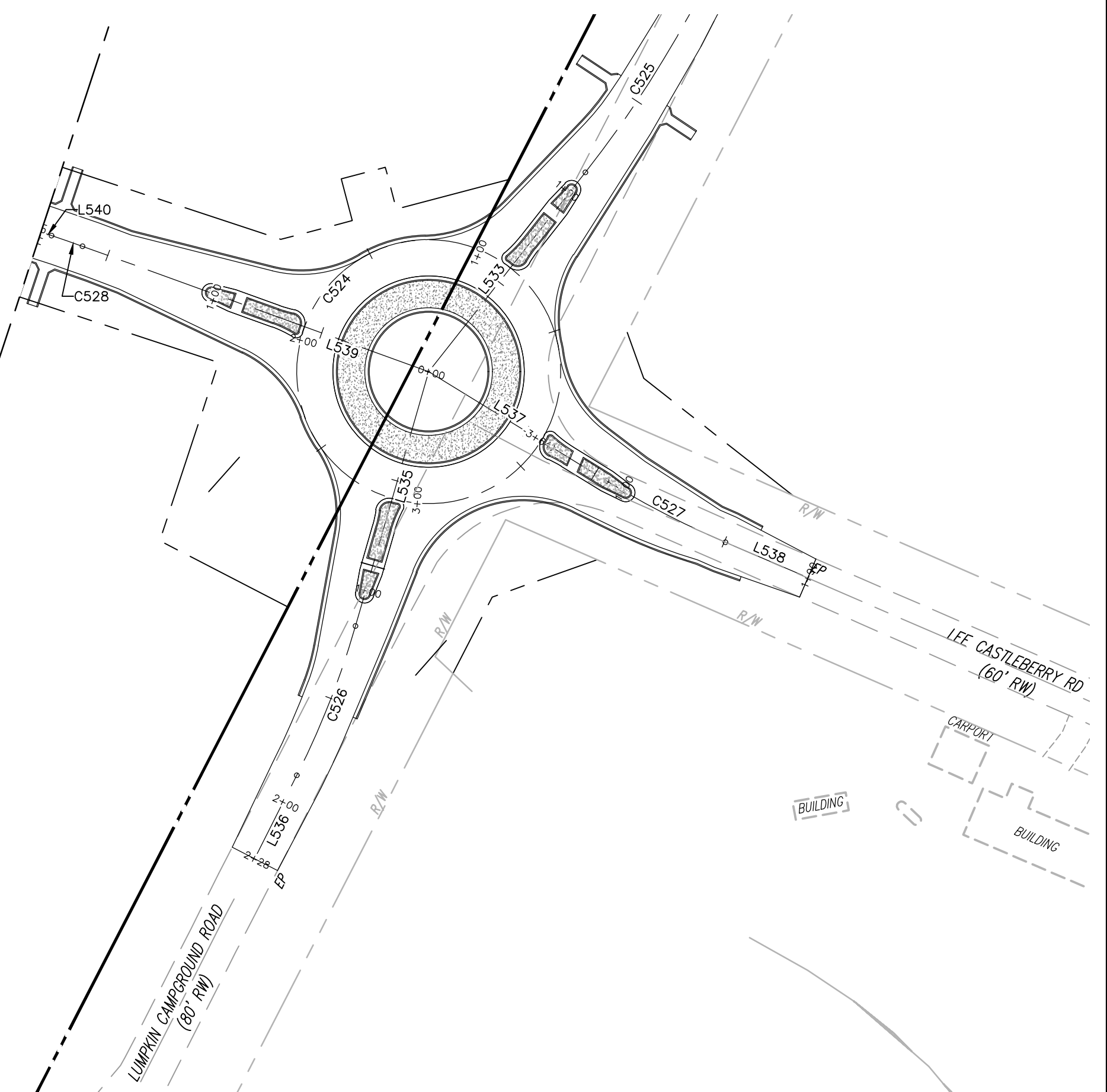
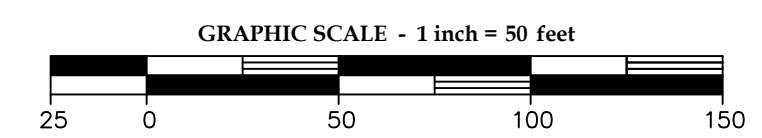
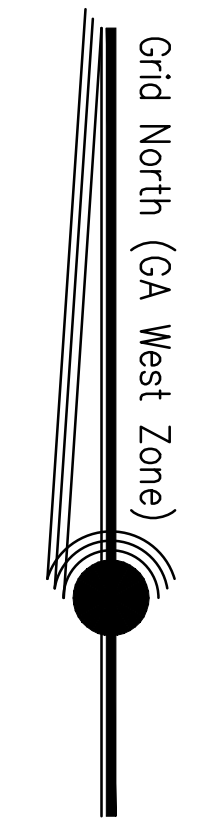
NOTES:
 1. VERTICAL ALIGNMENT COMPLIES WITH AASHTO MINIMUM DESIGN STANDARDS FOR A 25 MPH ROAD.

CENTERLINE ROAD CURVE TABLE

Curve #	Street	P.C. STA.	P.T. STA.	Radius	Arc	Chord Direction
C524	ROUND-ABOUT	-0+00.00	3+64.42	58.00	364.42	S31°33'17"W-0.00'
C525	LUMPKIN CAMPGROUND ROAD NORTH	1+11.37	2+07.69	500.00	96.32	N32°38'23"E-96.17'
C526	LUMPKIN CAMPGROUND ROAD SOUTH	1+16.31	1+86.93	375.00	70.62	S21°27'52"W-70.51'
C527	LEE CASTLEBERRY RD	0+91.67	1+50.51	399.97	58.85	S62°39'38"E-58.79'
C528	HARRY SOSEBEE RAB	1+61.82	1+76.20	500.00	14.37	N70°55'06"W-14.37'

CENTERLINE ROAD LINE TABLE

Line #	Street	BEG. STA.	END STA.	Length	Direction
L533	LUMPKIN CAMPGROUND ROAD NORTH	0+00.00	1+11.37	111.37	N38° 09' 30.53"E
L534	LUMPKIN CAMPGROUND ROAD NORTH	2+07.69	2+37.85	30.16	N27° 07' 16.26"E
L535	LUMPKIN CAMPGROUND ROAD SOUTH	0+00.00	1+16.31	116.31	S16° 04' 10.23"W
L536	LUMPKIN CAMPGROUND ROAD SOUTH	1+86.93	2+28.00	41.08	S26° 51' 33.15"W
L537	LEE CASTLEBERRY RD	0+00.00	0+91.67	91.67	S58° 26' 44.39"E
L538	LEE CASTLEBERRY RD	1+50.51	1+90.00	39.49	S66° 52' 31.25"E
L539	HARRY SOSEBEE RAB	0+00.00	1+61.82	161.82	N70° 05' 41.15"W
L540	HARRY SOSEBEE RAB	1+76.20	1+81.05	4.85	N71° 44' 31.05"W



STAMP:

EXPIRES DECEMBER 31, 2020
 GSWCC CERT. # 0000020671
 EXPIRES OCTOBER 21, 2021

DRAWING DATE: 2020-07-13

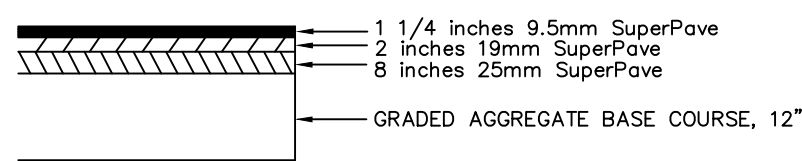
SHEET REVISIONS

NO.	DESCRIPTION	DATE
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3	REVISE RW ON PROPERTY 107 053,	07/13/20
4	ADD FENCE & LANDSCAPING, CONVERT LINE W TO ARCH CULVERT & ADD DETAILS	

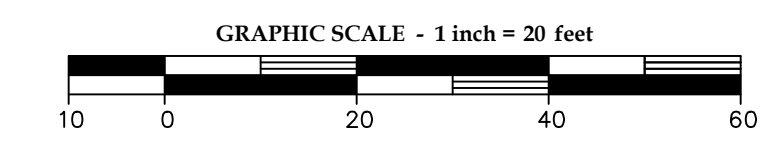
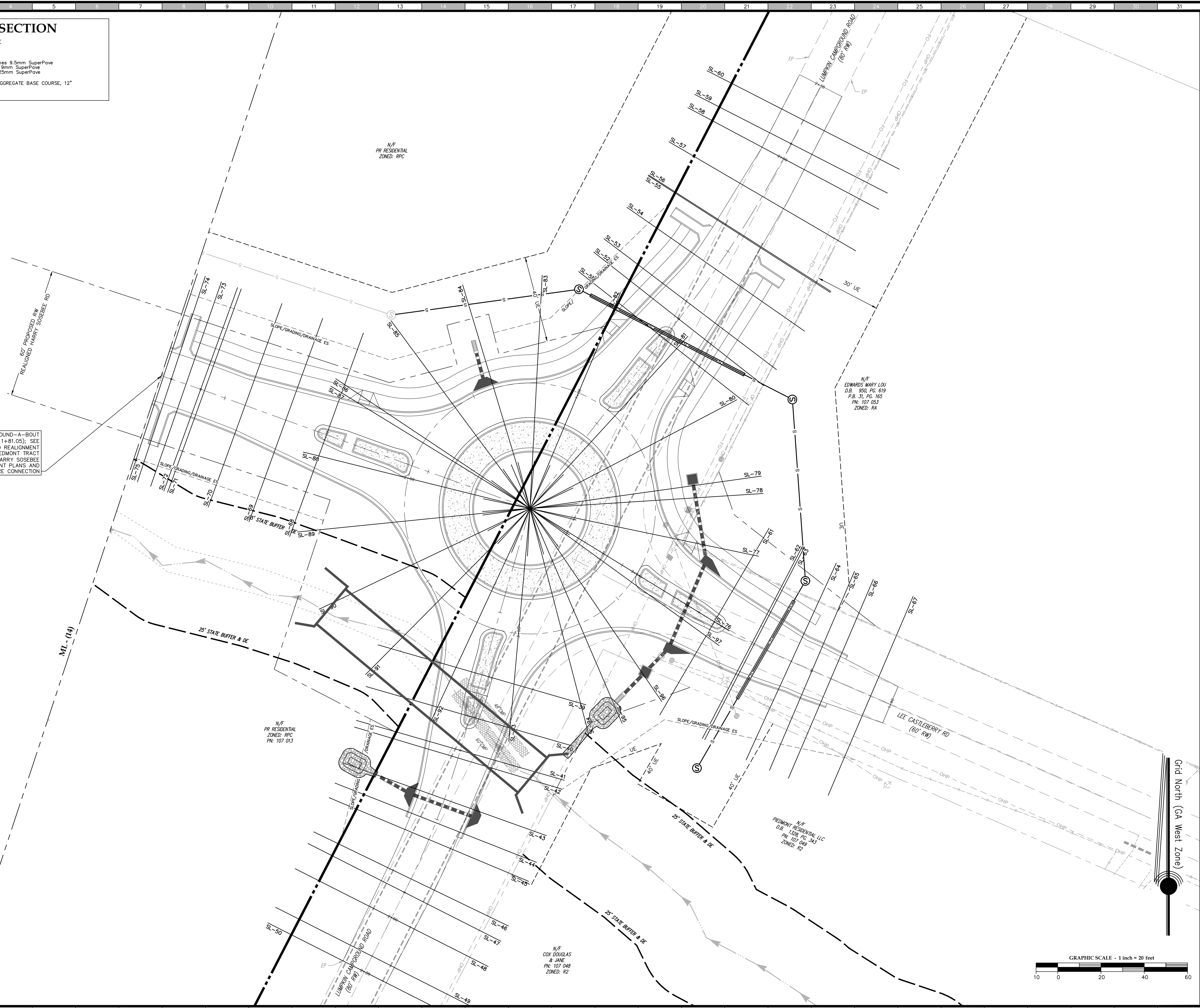
SHEET:
G5.01

PAVEMENT SECTION

NOT TO SCALE



LIMIT OF ROUND-A-BOUT CONSTRUCTION (STA 1+81.05); SEE "SUBDIVISION & ROAD REALIGNMENT PLANS FOR PIEDMONT TRACT SUBDIVISION" FOR HARRY SOSEBEE ROAD REALIGNMENT PLANS AND FUTURE CONNECTION



Grid North (GA West Zone)

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CIVIL CONSULTING, LLC
131 Prominence Court, Suite 230
Dawsonville, GA 30534
Mobile: 770-597-8813
Contact: Corey Guthrie, PE, CFM
Email: Corey.Guthrie@ensiteconsulting.com

OWNER/DEVELOPER:
DAWSON COUNTY PUBLIC WORKS
60 TRANSPORTATION LANE
DAWSONVILLE, GA 30534

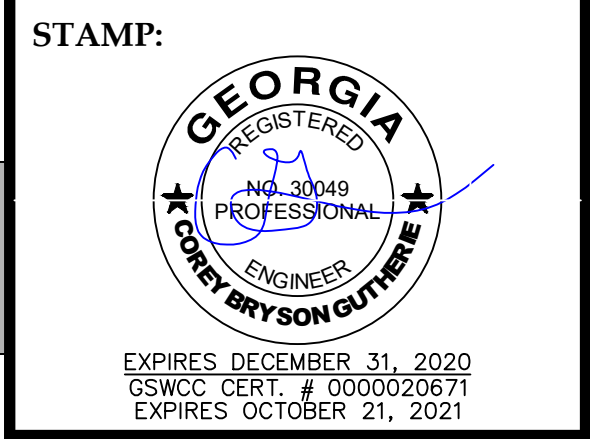
PHONE: (706) 344-3500
EXT. 42227

24-HOUR CONTACT:
DAVID McKEE
(706) 344-3500 EXT. 42227
EMAIL:
dmckee@dawsoncounty.org

PROJECT:
HARRY SOSEBEE ROAD & LUMPKIN CAMPGROUND ROAD ROUNDABOUT

LOCATED IN:
LAND LOTS 496, & 497
13th DISTRICT, South SECTION,
DAWSON COUNTY, GEORGIA

SHEET TITLE:
ROADWAY CROSS SECTION PLAN



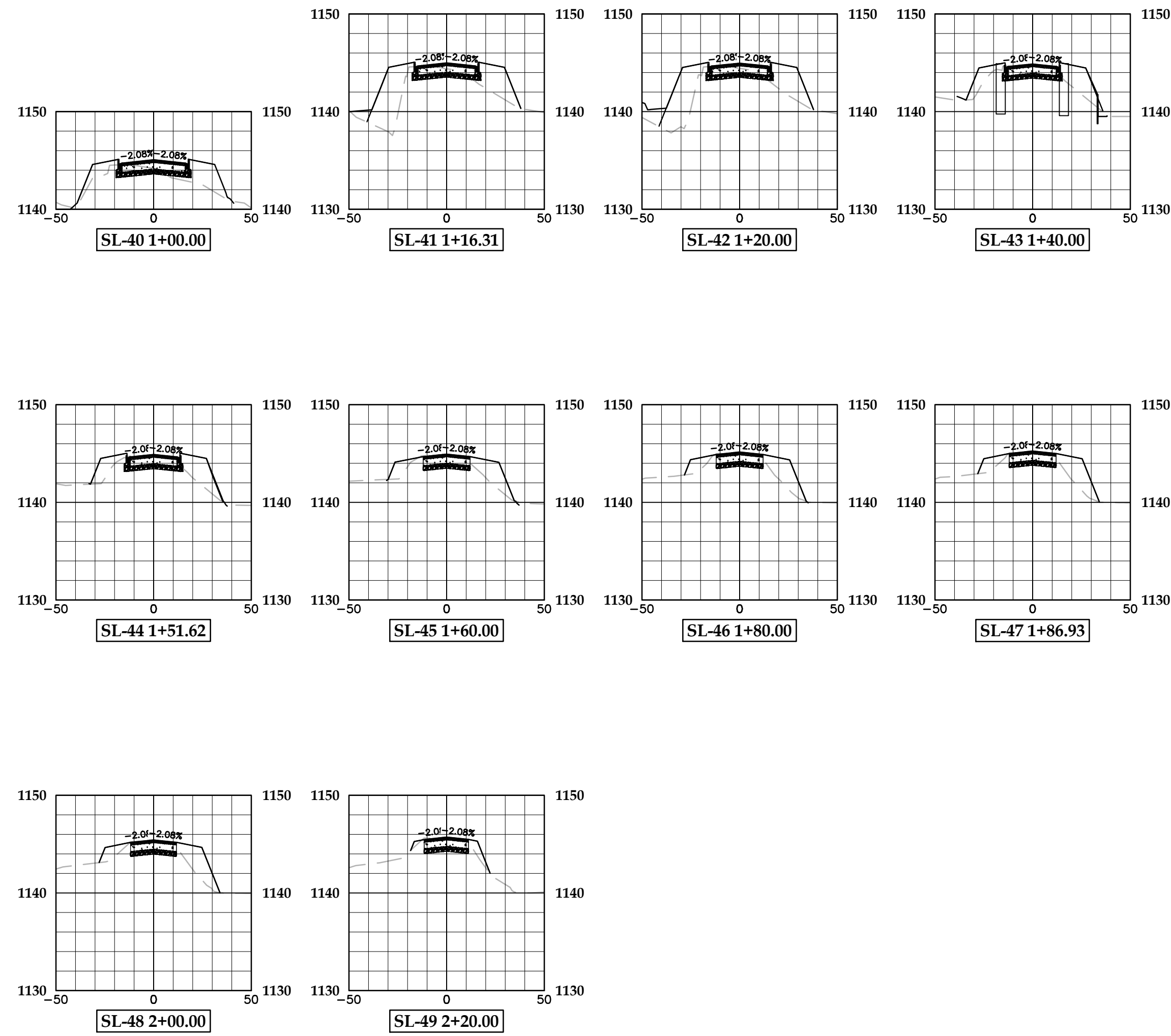
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SHEET REVISIONS

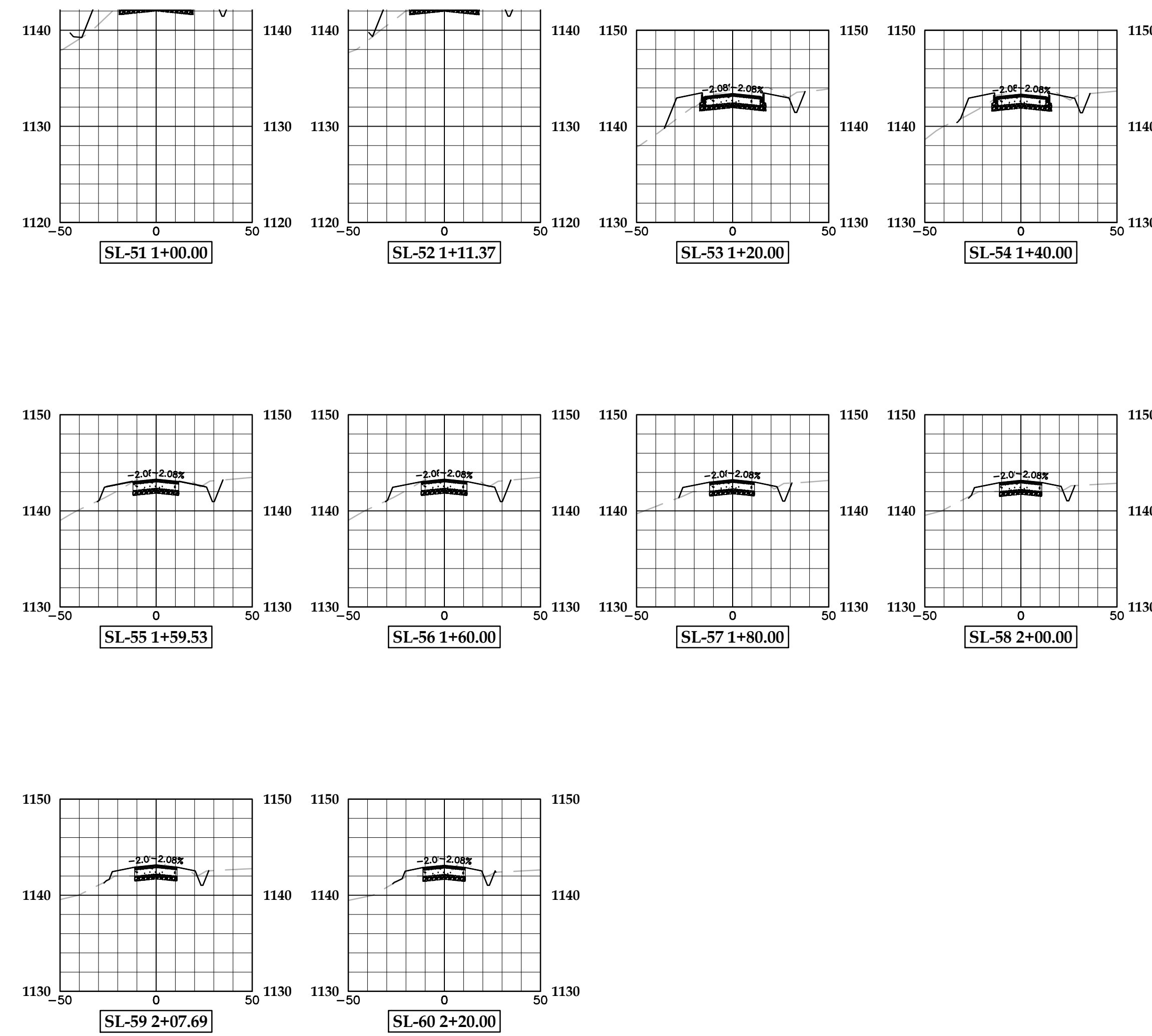
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SHEET:
G5.02

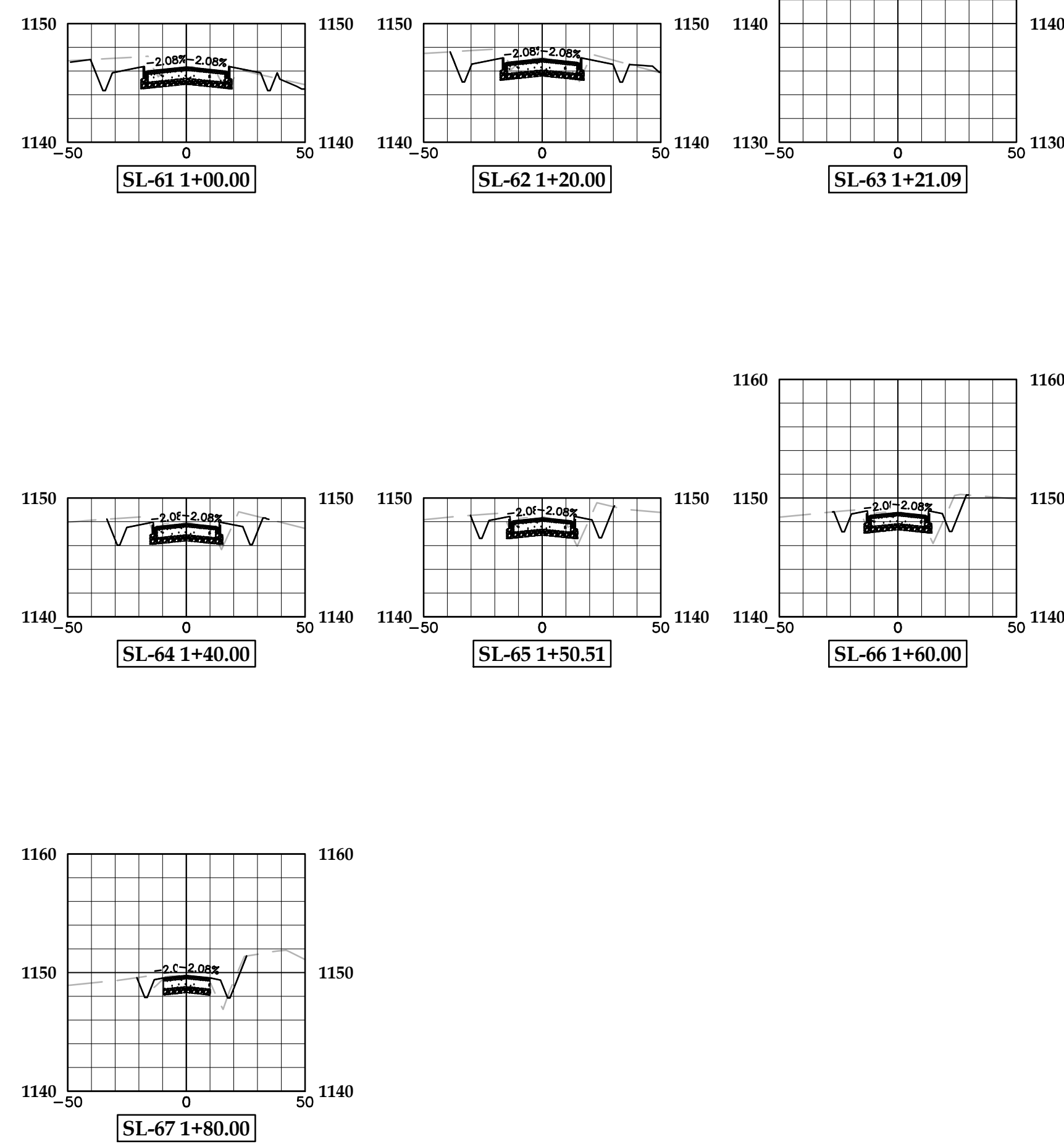
LUMPKIN CAMPGROUND ROAD (SOUTH)



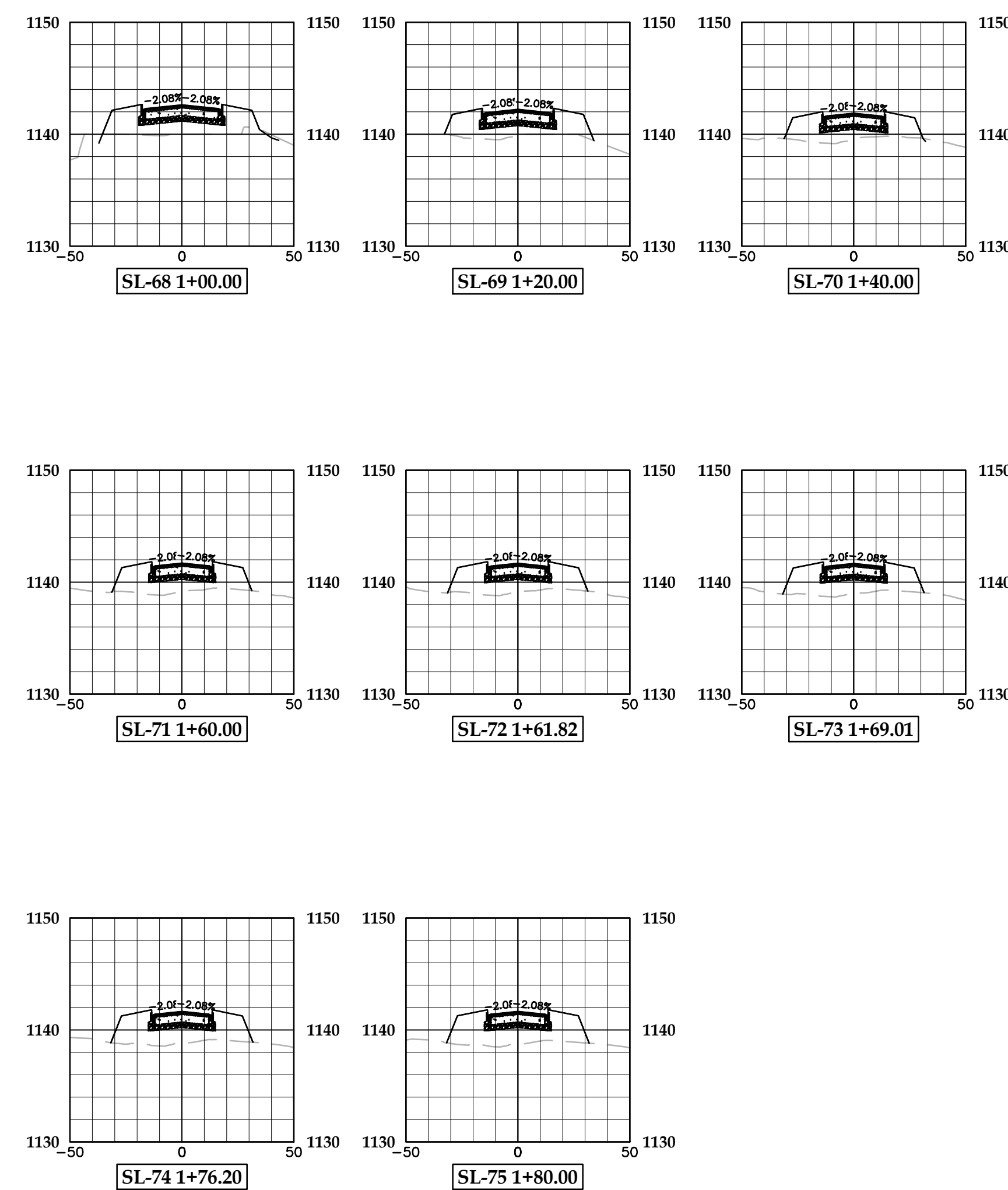
LUMPKIN CAMPGROUND ROAD (NORTH)



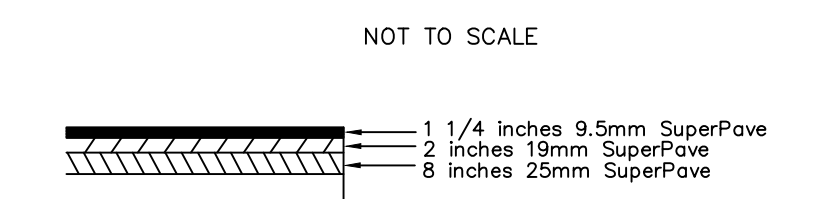
LEE CASTLEBERRY ROAD



HARRY SOSEBEE ROAD

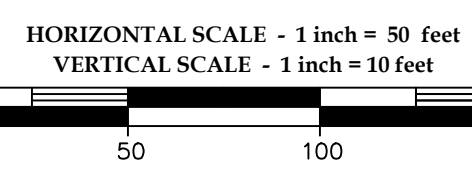


PAVEMENT SECTION



STREET NOTES

1. SEE SHEET G5.02 FOR PLANIMETRIC LOCATION OF CROSS SECTIONS.



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OWNER/DEVELOPER:
DAWSON COUNTY PUBLIC WORKS
60 TRANSPORTATION LANE
DAWSONVILLE, GA 30534

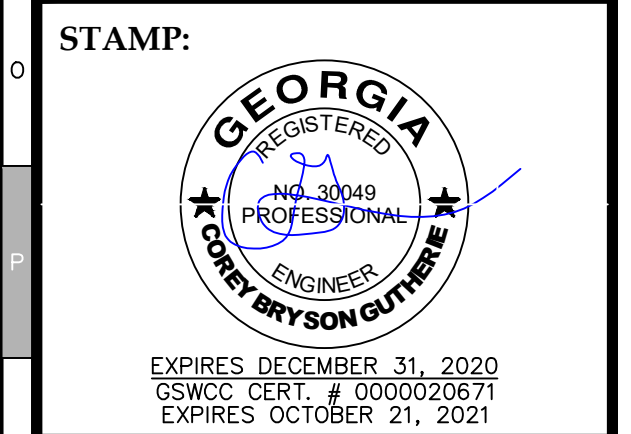
PHONE: (706) 344-3500
EXT. 42227

24-HOUR CONTACT:
DAVID MCKEE
(706) 344-3500 EXT. 42227
EMAIL:
dmckee@dawsoncounty.org

PROJECT:
HARRY SOSEBEE
ROAD & LUMPKIN
CAMPGROUND
ROAD
ROUNDBOUT

LOCATED IN:
LAND LOTS 496, & 497
13th DISTRICT, South SECTION,
DAWSON COUNTY, GEORGIA

SHEET TITLE:
ROADWAY
CROSS
SECTIONS



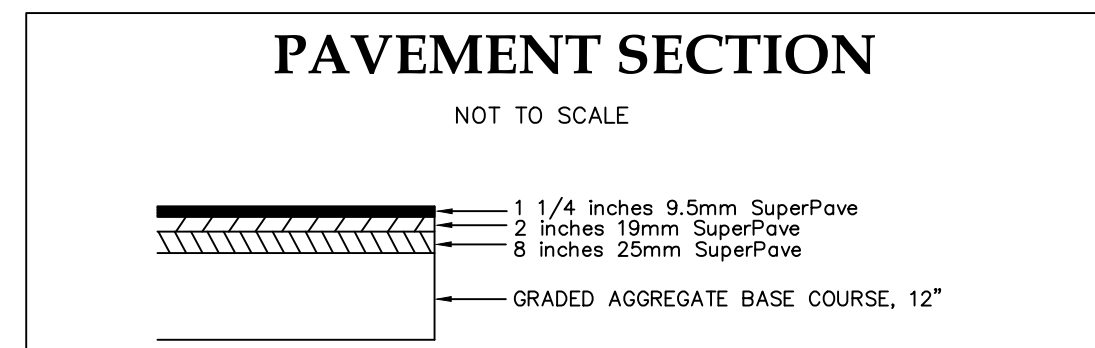
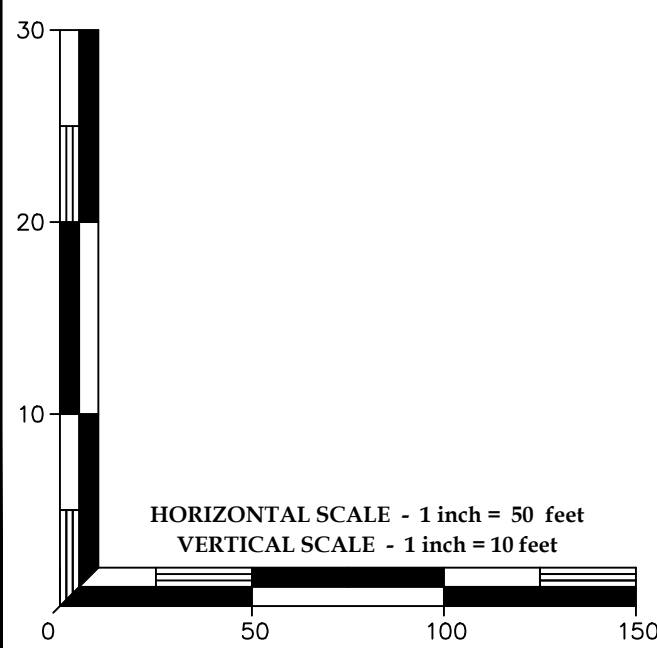
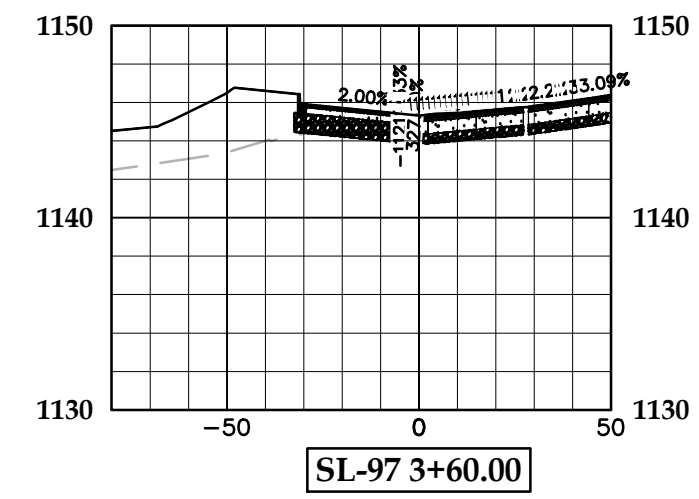
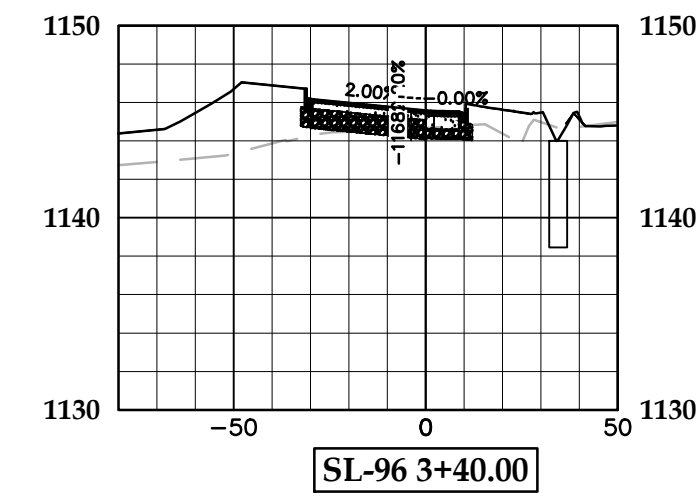
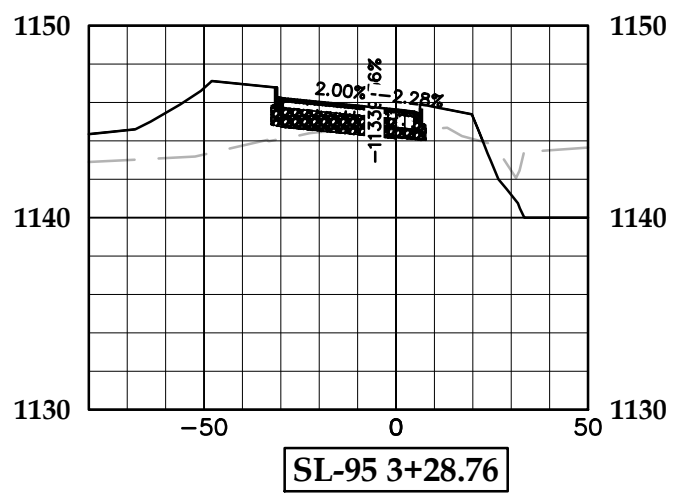
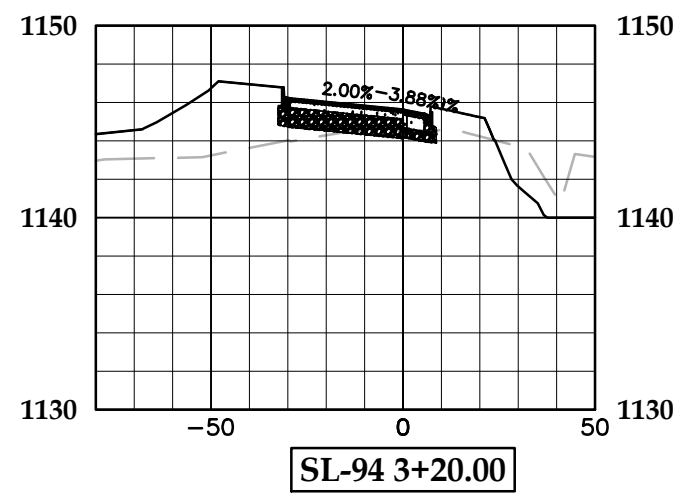
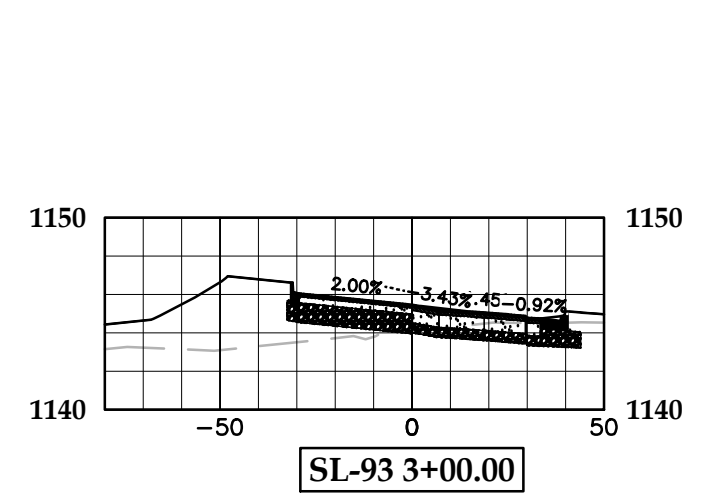
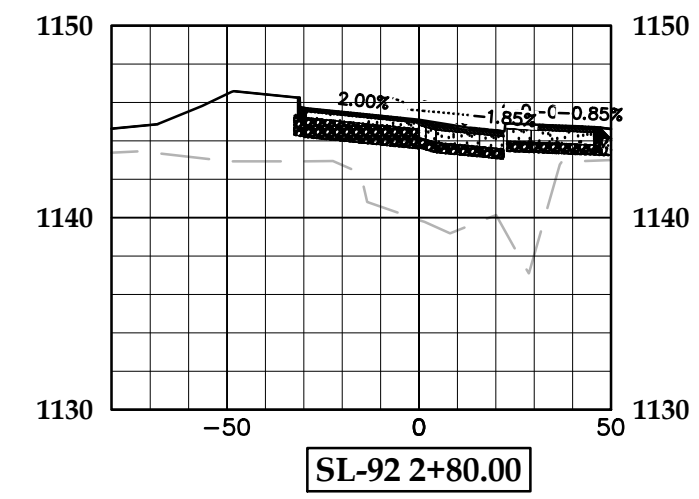
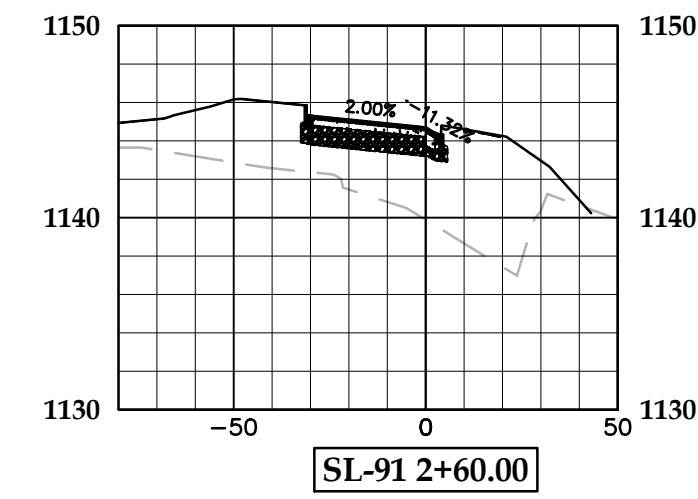
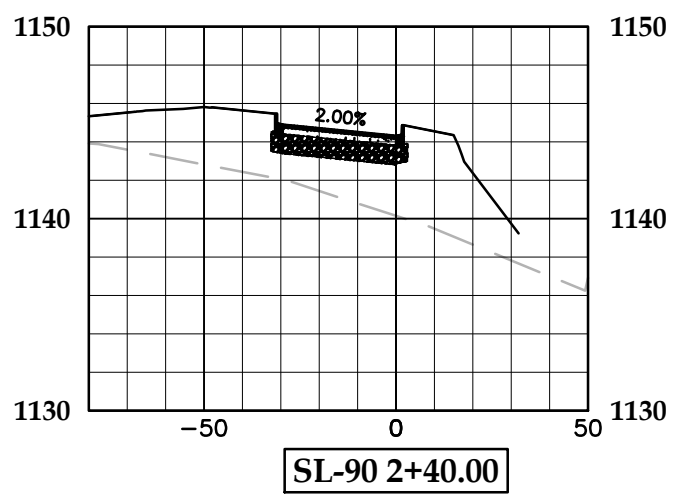
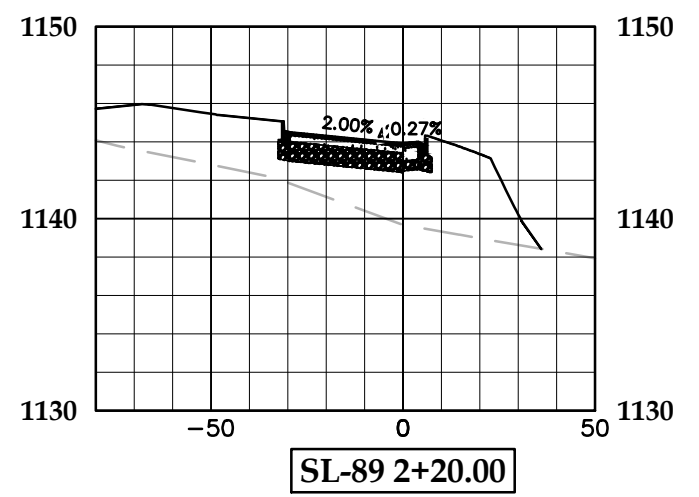
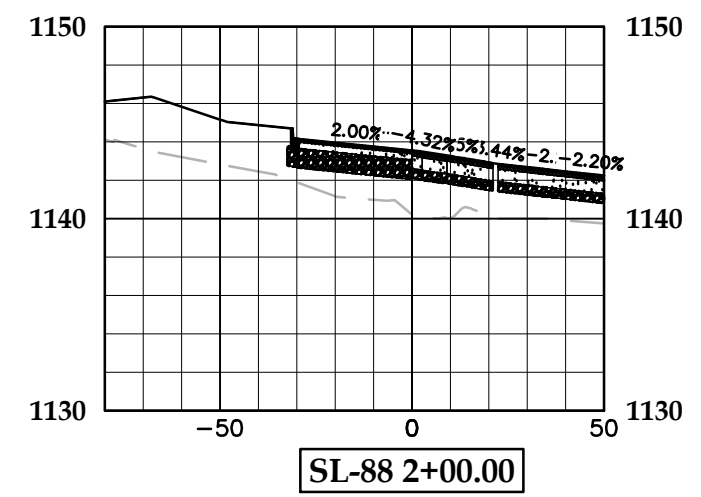
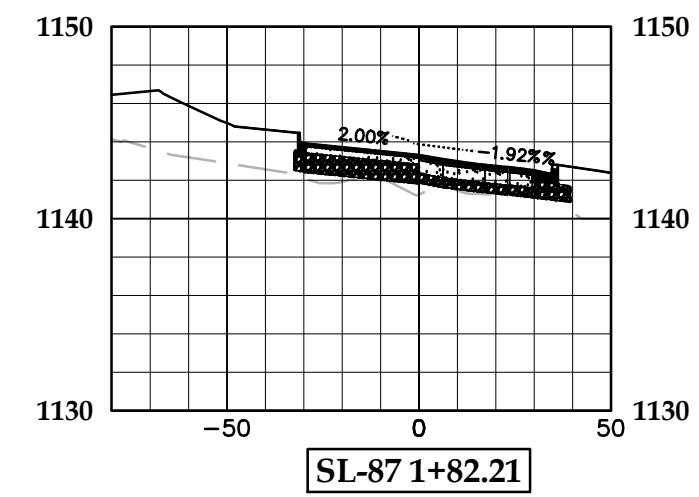
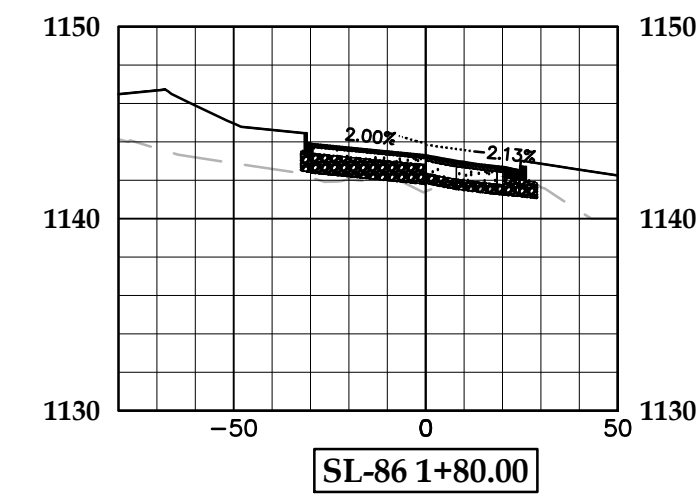
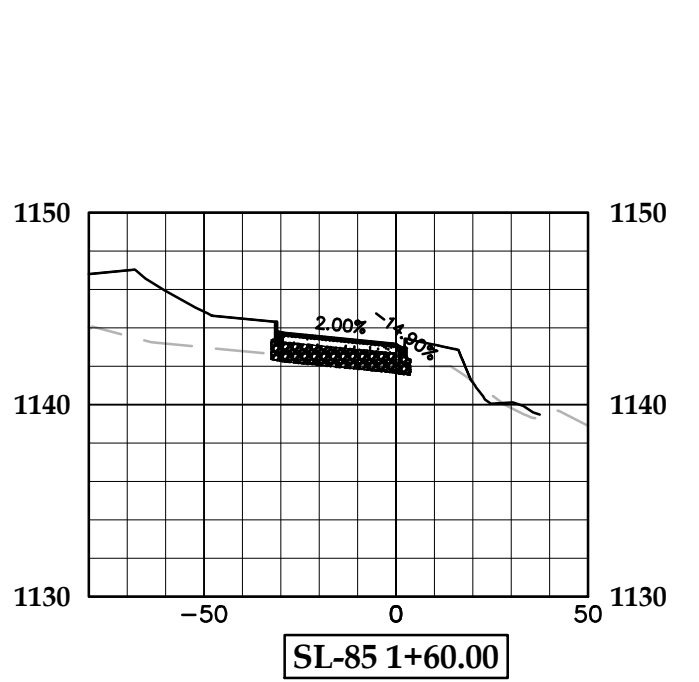
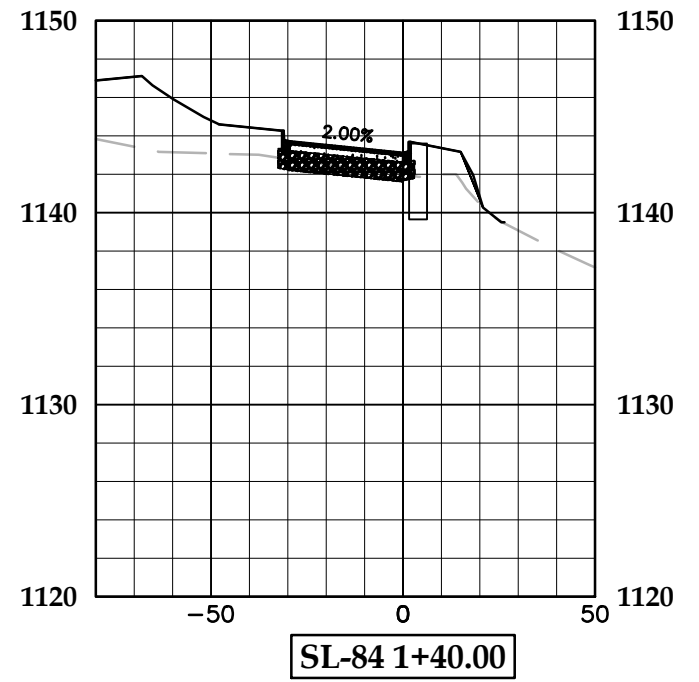
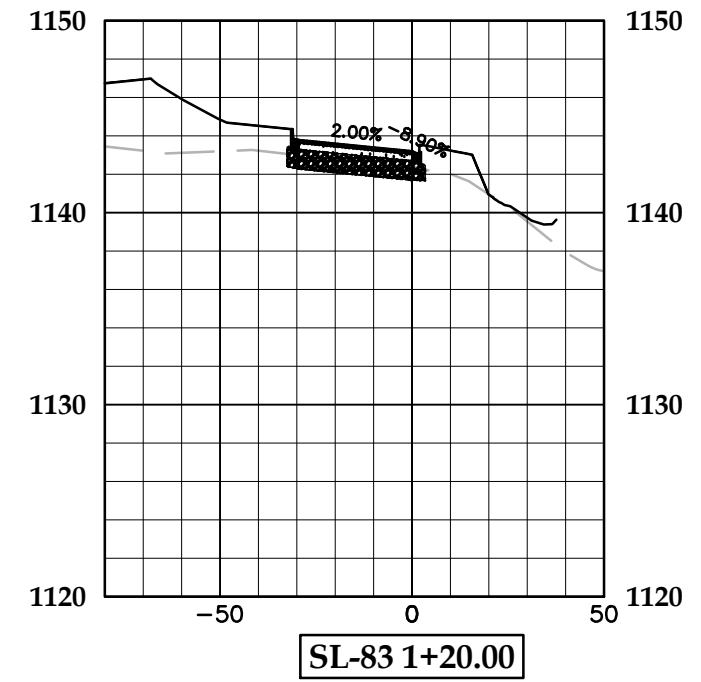
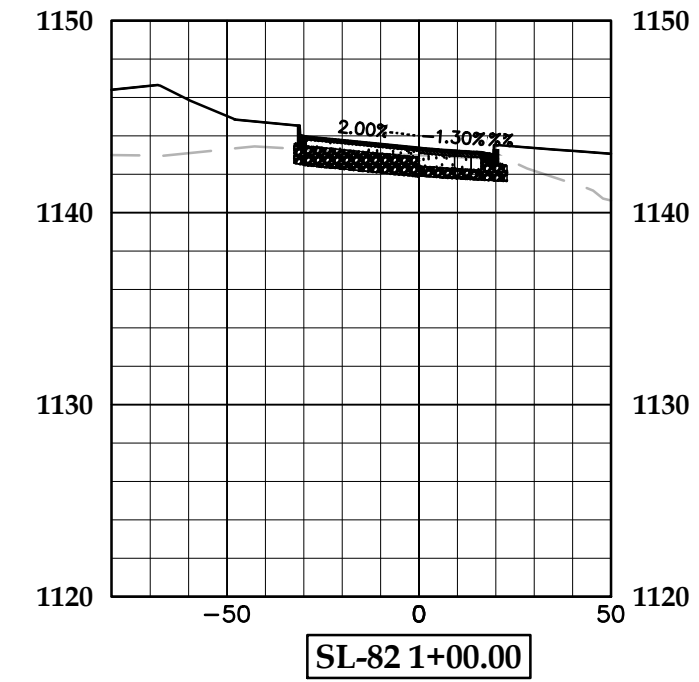
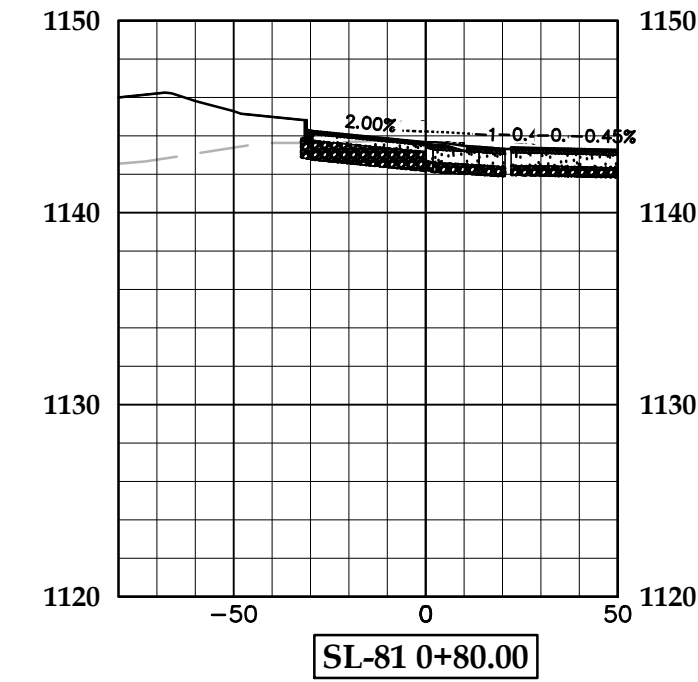
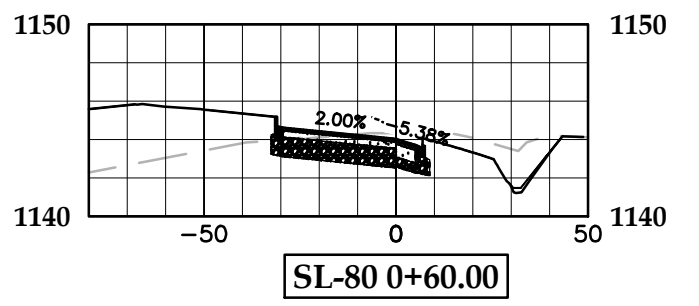
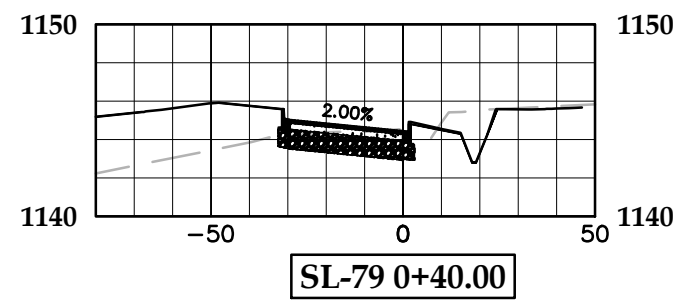
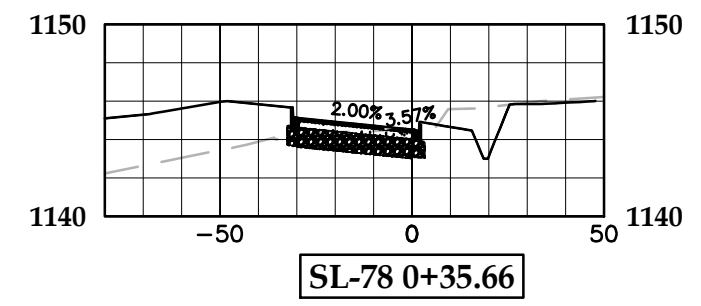
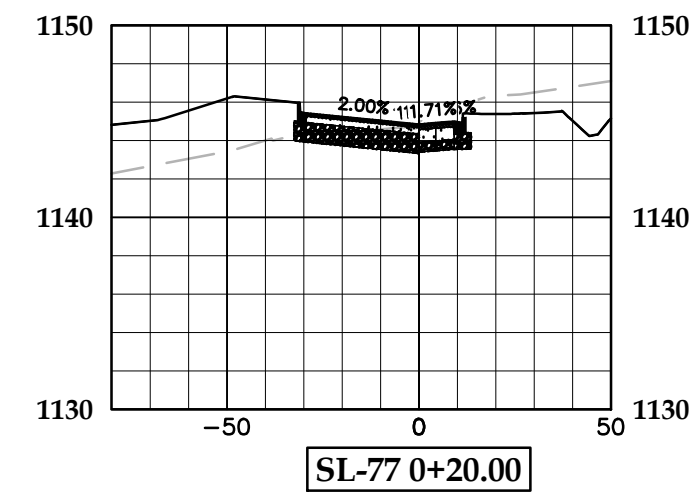
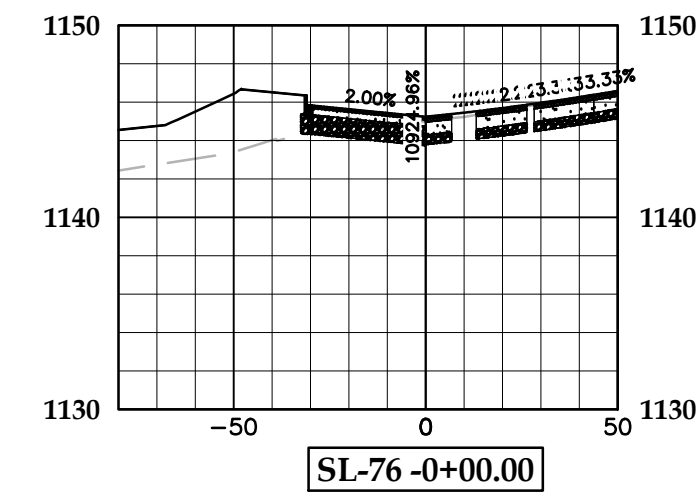
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SHEET:
G5.03

ROUNDABOUT



STREET NOTES
1. SEE SHEET G5.02 FOR PLANIMETRIC LOCATION OF CROSS SECTIONS.

ENSITE
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Email: Corey.Gutherie@ensiteconsulting.com

OWNER/DEVELOPER:
DAWSON COUNTY PUBLIC WORKS
60 TRANSPORTATION LANE
DAWSONVILLE, GA 30534

PHONE: (706) 344-3500
EXT. 42227

24-HOUR CONTACT:
DAVID MCKEE
(706) 344-3500 EXT. 42227
EMAIL:
dmckee@dawsoncounty.org

PROJECT:
HARRY SOSEBEE ROAD & LUMPKIN CAMPROUND ROAD ROUNDABOUT

LOCATED IN:
LAND LOTS 496, & 497
13th DISTRICT, South SECTION,
DAWSON COUNTY, GEORGIA

SHEET TITLE:
ROADWAY CROSS SECTIONS



STAMP:

EXPIRES DECEMBER 31, 2020
GSWCC CERT. # 0000020671
EXPIRES OCTOBER 21, 2021

DRAWING DATE: 2020-07-13

SHEET REVISIONS

NO.	DESCRIPTION	DATE
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SHEET:
G5.04

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
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EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST

STAND ALONE CONSTRUCTION PROJECTS

SWCD-UPPER CHATTAHOOCHEE RIVER (REGION 2)
 Project Name: LUMPKIN CAMPGROUND ROAD ROUNDABOUT Address: HARRY SOSEBEE RD, DAWSONVILLE, GA 30534
 City/County: DAWSON COUNTY Date on Plans: 2019-10-31
 Name & email of person filling out checklist: COREY GUTHERIE corey.guthrie@ensiteconsulting.com

TO BE SHOWN ON ES&PC PLAN

- | | |
|--------|-----|
| Page # | Y/N |
| G6.01 | YES |
- 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)
 - 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)
 - Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the EPD District Office. If EPD approves the request to disturb 50 acres or more at any one time, the Plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist.
(A copy of the written approval by EPD must be attached to the plan for the Plan to be reviewed.)
 - Name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
 - Provide the name, address, small address, and phone number of primary permittee.
 - Note total and disturbed acreage of the project or phase under construction.
 - Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
 - Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
 - Description of the nature of construction activity.
 - Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
 - Identify the project receiving water and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
 - 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 19 of the permit.
 - 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 19 of the permit.*
 - 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 and perimeter control BMPs within 7 days after installation," in accordance with Part IV A.5 page 25 of the permit.*
 - 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."
 - Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
 - 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."

- | | |
|-------|-----|
| G6.02 | YES |
|-------|-----|
- Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit."
 - Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
 - Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation 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."
 - Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
 - 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 an 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.*
 - 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.*
 - 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.*
 - Provide BMPs for the remediation of all petroleum spills and leaks.
 - 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.*
 - Description of practices to provide cover for building materials and building products on site.***
 - Description of the practices that will be used to reduce the pollutants in storm water discharges.*
 - Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
 - Provide complete requirements of inspections and record keeping by the primary permittee.*
 - Provide complete requirements of sampling frequency and reporting of sampling results.*
 - Provide complete details for retention of records as per Part IV.F. of the permit.*
 - Description of analytical methods to be used to collect and analyze the samples from each location.*
 - Appendix B rationale for NTU values at all outfall sampling points where applicable.*
 - Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged.*
 - 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 | YES |
| G6.08-10 | YES |
- | | | |
|--------------------------------|---|---------------------------------|
| Map Scale | Ground Slope | Contour Intervals, ft. |
| 1 inch = 100ft or larger scale | Flat 0 - 2%
Rolling 2 - 8%
Steep 8% + | 0.5 or 1
1 or 2
2.5 or 10 |
- | | |
|-------|-----|
| G6.03 | YES |
|-------|-----|
- Graphic scale and North arrow.
 - Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:
 - 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 EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gawcc.org.
 - 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.*
 - 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.
 - Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
 - Delineation and acreage of contributing drainage basins on the project site.
 - Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.*
 - An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
 - Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
 - Soil series for the project site and their delineation.
 - The limits of disturbance for each phase of construction.
 - 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 included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment 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.
 - 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.
 - 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.
 - 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 the 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, 2019**

ENSITE
 CIVIL CONSULTING, LLC
 131 Prominence Court, Suite 230
 Dawsonville, GA 30534
 Mobile: 770-597-8813
 Contact: Corey Guthrie, PE, CFM
 Email: Corey.Guthrie@ensiteconsulting.com

OWNER/DEVELOPER:
 DAWSON COUNTY PUBLIC WORKS
 60 TRANSPORTATION LANE
 DAWSONVILLE, GA 30534

PHONE: (706) 344-3500
EXT. 42227

24-HOUR CONTACT:
DAVID McKEE
(706) 344-3500 EXT. 42227
EMAIL:
dmckee@dawsoncounty.org

PROJECT:
HARRY SOSEBEE
ROAD & LUMPKIN
CAMPGROUND
ROAD
ROUNDABOUT

LOCATED IN:
LAND LOTS 496, & 497
13th DISTRICT, South SECTION,
DAWSON COUNTY, GEORGIA

SHEET TITLE:
EROSION,
SEDIMENTATION,
& POLLUTION
CONTROL NOTES



STAMP:

EXPIRES DECEMBER 31, 2020
 GSWCC CERT. # 0000020671
 EXPIRES OCTOBER 21, 2021

DRAWING DATE: 2020-07-13

SHEET REVISIONS

NO.	DESCRIPTION	DATE
1	ADD PLUNGE POOLS M & N,	05/29/20
	CONVERT STORM LINE Y	
	TO ARCH CULVERT	
2	REVISE RW ON PROPERTY 107 053,	07/13/20
	ADD FENCE & LANDSCAPING,	
	CONVERT LINE W TO ARCH CULVERT & ADD DETAILS	

SHEET:
G6.01

EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES FOR STANDALONE PROJECTS (GAR 100001)

- THE 24-HOUR LOCAL CONTACT RESPONSIBLE FOR EROSION, SEDIMENTATION AND POLLUTION CONTROLS IS DAVID MCKEE (706) 344-3500 EXT 42227.
- THE PRIMARY PERMITTEE FOR THIS SITE IS DAWSON COUNTY PUBLIC WORKS, 60 TRANSPORTATION LANE, DAWSONVILLE, GA 30534, (706) 344-3500 EXT 42227.
- THE TOTAL ACREAGE OF THE PROPERTY IS 1.5 AC AND THE TOTAL DISTURBED AREA IS ± 1.5 AC.
- THE GPS LOCATION OF THE CONSTRUCTION EXIT FOR THE SITE IS 34.339151 N, 84.063647 W. THE ADDRESS FOR THE SITE IS DAWSONVILLE, GA 30534.
- THE NATURE OF THE PROPOSED CONSTRUCTION ACTIVITY IS THE CONSTRUCTION OF A ROUNDABOUT AT THE INTERSECTION OF LUMPKIN CAMPGROUND ROAD, LEE CASTLEBERRY ROAD, AND THE REALIGNED HARRY SOSEBEE ROAD INCLUDING NECESSARY UTILITIES.
- "I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION."

"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 GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORMWATER 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. GAR100001.

NAME _____ DATE **MAY 29, 2020**
- THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS WITHIN 7 DAYS AFTER INSTALLATION. THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE PLAN, EXCEPT WHEN THE PRIMARY PERMITTEE HAS REQUESTED IN WRITING AND EPD HAS AGREED TO AN ALTERNATE DESIGN PROFESSIONAL, TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMPS HAVE BEEN INSTALLED AND ARE BEING MAINTAINED AS DESIGNED. THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PRIMARY PERMITTEE WITHIN SEVEN (7) DAYS AND THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT FROM THE DESIGN PROFESSIONAL UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED.
- WHERE APPLICABLE, NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
- BUFFER ENCROACHMENTS ARE PROPOSED WITH THIS DEVELOPMENT. BUFFER ENCROACHMENTS INCLUDE:
 - ENCROACHMENTS EXEMPT FROM REQUIRING A BUFFER VARIANCE:
 - ROADWAY DRAINAGE STRUCTURE(S) CULVERT W WHICH MUST BE CONSTRUCTED WITHIN THE TWENTY-FIVE (25) FOOT BUFFER AREA OF ANY STATE WATER NOT CLASSIFIED AS A TROUT STREAM.
- 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.
- WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
 - 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.
 - SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, UNLESS AUTHORIZED BY A SECTION 404 PERMIT.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.**
- EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION 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.**
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.**
- I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN (PLAN) WAS PREPARED BY A DESIGN PROFESSIONAL, AS DEFINED BY THIS PERMIT, THAT HAS COMPLETED THE APPROPRIATE CERTIFICATION COURSE APPROVED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. 12-7-19 AND THAT I WILL ADHERE TO THE PLAN AND COMPLY WITH ALL REQUIREMENTS OF THIS PERMIT. SIGNED BY PRIMARY PERMITTEE:

NAME _____ COMPANY _____ ADDRESS _____

CITY/STATE/ZIP _____ LEVEL 1A CERT # _____ SIGNATURE _____
- THE PRIMARY PERMITTEE SHALL COMPLETE A LIST OF ALL SECONDARY PERMITTEES AND CONTACT INFORMATION IN THE SPACE PROVIDED BELOW, AND PROVIDE A COPY OF THE PLAN (AND ANY SUBSEQUENT REVISIONS TO THE PLAN) TO EACH SECONDARY PERMITTEE. EACH SECONDARY PERMITTEE SHALL SIGN AS WRITTEN ACKNOWLEDGEMENT OF RECEIPT OF THE PLAN IN THE SPACE PROVIDED BELOW. THE PRIMARY PERMITTEE SHALL KEEP A COPY OF THE ACKNOWLEDGEMENTS ON-SITE IN HIS RECORDS.

SECONDARY PERMITTEES:

- NAME _____ COMPANY _____ ADDRESS _____
CITY/STATE/ZIP _____ LEVEL 1A CERT # _____ SIGNATURE _____
- NAME _____ COMPANY _____ ADDRESS _____
CITY/STATE/ZIP _____ LEVEL 1A CERT # _____ SIGNATURE _____
- NAME _____ COMPANY _____ ADDRESS _____
CITY/STATE/ZIP _____ LEVEL 1A CERT # _____ SIGNATURE _____
- NAME _____ COMPANY _____ ADDRESS _____
CITY/STATE/ZIP _____ LEVEL 1A CERT # _____ SIGNATURE _____

17. CONCRETE WASHDOWN PRACTICES:

- THE WASHING OF READY-MIX CONCRETE DRUMS AND DUMP TRUCK BODIES USED IN THE DELIVERY OF PORTLAND CEMENT CONCRETE IS PROHIBITED ON THIS SITE. ONLY THE DISCHARGE "CHUTE" UTILIZED IN PORTLAND CEMENT CONCRETE DELIVERY 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 TRAVEL WAY, INCLUDING SHOULDERS, FOR A WASH/PIT AREA.
- THE PIT SHALL BE LARGE ENOUGH TO STORE ALL WASH-DOWN WATER WITHOUT OVERTOPPING THE PIT.
- 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 SHALL BE GRADED TO MATCH THE ELEVATION OF THE SURROUNDING AREAS SMOOTHED OUT.
- ALTERNATE WASH-DOWN DRAINS 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 WATER PIT THAT INCLUDES THE FOLLOWING:
 - THE PIT IS LOCATED AWAY FROM A STORM DRAIN, STREAM OR RIVER.
 - THE PIT IS ACCESSIBLE TO THE VEHICLE BEING USED FOR WASH-DOWN.
 - THE PIT HAS ENOUGH VOLUME FOR WASH-DOWN WATER.
 - MAKE SURE YOU HAVE PERMISSION TO USE THE AREA FOR WASH-DOWN. ON SOME SITES YOU MAY NOT HAVE PERMISSION OR ACCESS TO A LOCATION WHICH ALLOWS FOR A WASH-DOWN PIT. IN THOSE CASES, THE CONTRACTOR MAY HAVE TO WASH-DOWN INTO A WHEELBARRROW OR OTHER CONTAINER AND CARRY THE CONTAINER FOR TRANSPORT 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".

18. SPILL CLEANUP AND CONTROL PRACTICES:

LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL. MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINER. SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE, AND FEDERAL REGULATIONS. FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802. FOR SPILLS OF AN UNKNOWN AMOUNT, THE NRC WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802. FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS. FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED. THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1,320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

19. RELEASE IN EXCESS OF REPORTABLE QUANTITIES:

- THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL IN THE STORMWATER DISCHARGE(S) FROM A SITE SHALL BE PREVENTED. THIS PERMIT DOES NOT RELIEVE THE PERMITTEE OF THE REPORTING REQUIREMENTS OF THE GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. 12-14-2, ET SEQ.), 40CFR PART 117 AND 40 CFR PART 302. WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTING QUANTITY ESTABLISHED UNDER EITHER GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. 12-14-2, ET SEQ.), 40CFR PART 117 AND 40 CFR PART 302 OCCURS DURING A 24 HOUR PERIOD, THE PERMITTEE IS REQUIRED TO NOTIFY EPD AT (404)656-4863 OR (800)241-4113 AND THE NATIONAL RESPONSE CENTER (NRC) AT (800)424-8802 IN ACCORDANCE WITH THE REQUIREMENTS GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. 12-14-2, ET SEQ.), 40CFR PART 117 AND 40 CFR PART 302 AS SOON AS HE/SHE HAS KNOWLEDGE OF THE DISCHARGE.
- THIS PERMIT DOES NOT AUTHORIZE THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL RESULTING FROM AN ON-SITE SPILL.

20. POST-CONSTRUCTION BMPS:

- ALL PERMANENT, POST-CONSTRUCTION BMPS ARE SHOWN IN THE CONSTRUCTION PLANS AND IN THE ESPC PLAN.
- THE POST-CONSTRUCTION BMPS FOR THIS PROJECT MAY CONSIST OF PERMANENT VEGETATION, PERMANENT SLOPE DRAINS AND/OR FLUMES, RIP RAP AT PIPE OUTLETS FOR VELOCITY DISSIPATION AND OUTLET STABILIZATION, VEGETATED SWALES/DITCHES WHERE PRACTICAL, CHANNELS/DITCH STABILIZATION WITH TURF REINFORCING MATS, RIP-RAP, AND CONCRETE DITCH LINING WHERE NECESSARY.
- THE POST-CONSTRUCTION BMPS WILL PROVIDE PERMANENT STABILIZATION OF THE SITE AND PREVENT ACCELERATED TRANSPORTATION OF SEDIMENT AND POLLUTANTS INTO RECEIVING WATERS.

21. BMPS TO REDUCE POLLUTANTS IN STORM WATER DISCHARGES:

- NO WASTE MATERIALS, INCLUDING BUT NOT LIMITED TO WASTE BUILDING MATERIALS, CONSTRUCTION AND DEMOLITION DEBRIS, CONCRETE WASHOUT OR EXCAVATED SEDIMENT, SHALL BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- ALL POLLUTANTS FROM WASTE DISPOSAL PRACTICES, SOIL ADDITIVES, REMEDIATION OF SPILLS AND LEAKS OF PETROLEUM PRODUCTS, CONCRETE TRUCK WASHOUT, ETC., SHOULD ANY OF THESE OCCUR, WILL BE CONTROLLED BY THE IMPLEMENTATION OF APPROPRIATE BEST MANAGEMENT PRACTICES. THE SITE WILL BE IN COMPLIANCE WITH ALL APPLICABLE STATE AND LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.
- FOR BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE, PROVIDE COVER (E.G. PLASTIC SHEETING, TEMPORARY ROOFS) TO MINIMIZE THE EXPOSURE OF THESE PRODUCTS TO PRECIPITATION AND TO STORMWATER, OR A SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THESE AREAS. 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 A SPECIFIC MATERIAL OR PRODUCT POSSES LITTLE RISK TO STORMWATER CONTAMINATION (SUCH AS FINAL PRODUCTS AND MATERIALS INTENDED FOR OUTDOOR USE).
 - PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ONSITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.
 - PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCTS WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
 - CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE.
 - FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.
 - BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.
 - HAZARDOUS WASTES: ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE MAINTAINED IN THE ESPC FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES. THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ESPC AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIAL OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORM WATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORM WATER DISCHARGE WILL BE CONTAINED ONSITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORM WATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.
 - SANITARY WASTES: A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED TO EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS. ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF WASTE UNITS MUST BE IDENTIFIED ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN - GRADING PHASE BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.
 - SANITARY SEWER WILL BE PROVIDED BY ETOWAH WATER & SEWER AT THE COMPLETION OF THE PROJECT.

22. SEQUENCE OF MAJOR ACTIVITIES:

- FLAG WETLAND AREAS AND STATE WATER BUFFERS TO BE PROTECTED FROM DISTURBANCE.
- INSTALL CONSTRUCTION ENTRANCE.
- CLEAR AND GRUB PERIMETER OF THE SITE AND INSTALL PERIMETER SILT BARRIERS.
- CONSTRUCT PERMANENT DETENTION POND(S) AND/OR TEMPORARY SEDIMENT

- BASIN(S).
- INSTALL DETENTION POND AND SEDIMENT BASIN HYDRAULIC STRUCTURES (PIPES, OUTLETS, WEIRS).
- INSTALL RETROFITS AND FILTER RING IN DETENTION POND(S).
- CLEAR AND GRUB REMAINDER OF SITE.
- ROUTE STORM WATER TO PONDS DURING GRADING ONCE OUTLETS ARE STABILIZED.
- STABILIZE OUTSIDE SLOPES WITH MATS, TEMPORARY VEGETATION AND SILT BARRIERS.
- FINAL GRADING FOR BUILDING PADS.
- STABILIZATION OF FINISH GRADE AREAS WITH TEMP. VEGETATION OR MULCH AS NEEDED TO EXCEED 90% COVER.
- FINAL CONSTRUCTION OF BUILDINGS AND PARKING AREAS.
- REMOVE ACCUMULATED SEDIMENT IN BASINS AND SILT FENCES.
- CONDUCT FINAL STABILIZATION PROCEDURES INSTALLING PERM. VEGETATION AND/OR GRAVEL AS NEEDED TO EXCEED 80% COVER.

23. INSPECTIONS AND RECORD KEEPING*:

- INSPECTIONS
 - PERMITTEE REQUIREMENTS.
 - EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT AND (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
 - MEASURE AND RECORD RAINFALL WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABILIZATION ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY. THE DATA COLLECTED FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.
 - CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST): (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE; (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; AND (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY, WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE. THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(4). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
 - CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION IS RECEIVED BY EPD) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY, WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE. THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).
 - BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.
 - A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE OR FINAL), MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(5), OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2. OF THIS PERMIT.

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PROJECT:
HARRY SOSEBEE
ROAD & LUMPKIN
CAMPGROUND
ROAD
ROUNDAABOUT

LOCATED IN:
LAND LOTS 496, & 497
13th DISTRICT, South SECTION,
DAWSON COUNTY, GEORGIA

SHEET TITLE:
EROSION,
SEDIMENTATION,
& POLLUTION
CONTROL NOTES

GEORGIA811
Utilities Protection Center, Inc.
1-800-252-7411
Know what's below.
Call before you dig.

STAMP:

EXPIRES DECEMBER 31, 2020
GSWCC CERT. # 0000020671
EXPIRES OCTOBER 21, 2021

DRAWING DATE: 2020-07-13

SHEET REVISIONS

NO.	DESCRIPTION	DATE
1	ADD PLUNGE POOLS M & N,	05/29/20
	CONVERT STORM LINE Y	
	TO ARCH CULVERT	
2	REVISE RW ON PROPERTY	07/13/20
	107.053,	
	ADD FENCE & LANDSCAPING,	
	CONVERT LINE W TO ARCH	
	CULVERT & ADD DETAILS	

SHEET:
G6.02

TABLE B1: EXISTING DRAINAGE BASIN LAND USE & AREA SUMMARY

BASIN	ONSITE CURVE NUMBER	OFFSITE CURVE NUMBER	COMPOSITE CURVE NUMBER	ONSITE AREA (ACRES)	OFFSITE AREA (ACRES)	TOTAL AREA (ACRES)
10 PCT	0.0	63.0	63.0	0.00	66.06	66.06
PRE A1	55.0	71.0	58.0	43.52	10.30	53.81
PRE A2	58.0	67.0	67.0	48.23	1,480.83	1,529.06
PRE B	55.0	62.0	59.0	48.74	59.75	108.49
PRE C	55.0	0.0	55.0	9.15	0.00	9.15

TABLE B2: EXISTING DRAINAGE BASIN TIME OF CONCENTRATION SUMMARY

BASIN	SHEET FLOW	SHALLOW CONCENTRATE D FLOW		TOTAL TIME OF CONCENTRATION
		CONCENTRATE D FLOW	OPEN CHANNEL/PIPE FLOW	
(MINUTES)				
10 PCT	14.8	4.0	4.4	23.3
PRE A1	13.6	6.7	5.5	25.8
PRE A2	20.6	8.6	17.5	46.8
PRE B	13.6	7.3	4.2	25.1
PRE C	16.6	3.4	0.0	20.1

TABLE C3: PROPOSED DRAINAGE BASIN LAND USE & AREA SUMMARY

BASIN	ONSITE CURVE NUMBER	OFFSITE CURVE NUMBER	COMPOSITE CURVE NUMBER	ONSITE AREA (ACRES)	OFFSITE AREA (ACRES)	TOTAL AREA (ACRES)
10 PCT	0.0	63.0	63.0	0.00	66.06	66.06
A1-BY	62.0	83.0	63.0	21.41	0.52	21.94
A1-CAP	77.0	71.0	75.0	29.00	9.43	38.43
A2-BY	59.0	67.0	67.0	35.43	1,480.96	1,516.39
A2-CAP	75.0	70.0	75.0	13.87	0.21	14.08
B-BY	56.0	62.0	60.0	34.33	59.75	94.08
B-CAP	78.0	0.0	78.0	13.38	0.00	13.38
C-BY	65.0	0.0	65.0	2.23	0.00	2.23

TABLE C4: PROPOSED DRAINAGE BASIN TIME OF CONCENTRATION SUMMARY

BASIN	SHEET FLOW	SHALLOW CONCENTRATE D FLOW		TOTAL TIME OF CONCENTRATION
		CONCENTRATE D FLOW	OPEN CHANNEL/PIPE FLOW	
(MINUTES)				
10 PCT	14.8	4.0	4.4	23.3
A1-BY	13.6	3.9	9.1	26.6
A1-CAP	13.6	4.2	1.7	19.4
A2-BY	20.6	8.6	17.5	46.8
A2-CAP	14.8	0.5	3.3	18.6
B-BY	13.6	7.3	4.2	25.1
B-CAP	7.5	0.1	4.4	12.0
C-BY	5.7	1.0	0.0	6.6

BASIN CALCULATIONS SHOWN ABOVE ARE FOR OVERALL PROJECT ENTITLED "SUBDIVISION & ROAD REALIGNMENT PLANS FOR PIEDMONT TRACT SUBDIVISION"

PROJECT BASIN SUMMARY

BASIN	PRE	POST
FLUME 1	62.3	98.0
FLUME 2	62.3	98.0
FLUME 3	62.3	98.0
L	62.3	98.0
M	68.1	73.0
N	62.3	98.0
FLUME 4	62.3	98.0

DISTURBED AREA

PHASE	AREA (AC)
INITIAL	1.5
GRADING	1.5
FINAL	1.5

LAND DISTURBANCE ACTIVITY SCHEDULE

Activities begin JULY 2020	Phase	Week	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52
Timber salvage operations	I																												
Installation of construction exit, sediment barriers, and other perimeter controls	N																												
Clearing and grubbing of areas necessary for the installation of sediment retention basins and related structures	T																												
Installation of sediment retention basins and related structures	A																												
Clearing and grubbing of remaining areas	L																												
Rough grading and excavation																													
Installation of stormwater management system	G																												
Permanent stabilization of areas at final grade and temporary stabilization of remaining areas	R																												
Installation of curb and gutter	D																												
Installation of gravel subbase for roads and parking areas (construction road stabilization)	I																												
Utility activities	N																												
Permanent stabilization/landscaping	F																												
Building construction and paving	I																												
Removal of erosion and sediment control measures	N																												
Final landscaping, grassing, etc., cleaning of storm drains	A																												
Maintenance of Erosion Control Measures and temporary stabilization as is necessary	L																												



1. NAME OF RECEIVING WATERS AND WATERSHED INFORMATION:

- 1.1. THE SITE IS IN AN UPLAND OF BLACK MILL CREEK. JURISDICTIONAL WETLANDS DO OCCUR ON THIS PROJECT. THE SITE WAS DESIGNED FOR ENCROACHMENT ON JURISDICTIONAL WETLANDS AND THEREFORE WILL REQUIRE A PRE-CONSTRUCTION NOTIFICATION TO THE ARMY CORPS OF ENGINEERS AND WILL REQUIRE WETLAND MITIGATION. THE SITE WAS DESIGNED FOR ENCROACHMENT ON JURISDICTIONAL STREAMS AND THEREFORE WILL REQUIRE A PRE-CONSTRUCTION NOTIFICATION TO THE ARMY CORPS OF ENGINEERS AND WILL REQUIRE STREAM MITIGATION. THE SITE DOES NOT DISCHARGE INTO A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) OF LUMPKIN COUNTY.
- 1.2. THE RECEIVING WATER(S) SUPPORTS WARM WATER FISHERIES.
- 1.3. DOWNSTREAM PROPERTIES COULD BE IMPACTED TO THE DISCHARGES RESULTING FROM THE PROPOSED SITE, HOWEVER POST-DEVELOPED STORM WATER PEAK FLOWS AND VELOCITIES ARE DESIGNED TO BE REDUCED AT ALL DISCHARGE POINTS FOR THE 2-100 YR RAIN EVENTS.

2. DISCHARGES INTO AN IMPAIRED STREAM SEGMENT:

- 2.1. THE PROPOSED SITE DOES NOT DISCHARGE DIRECTLY 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.
- 2.2. IMPAIRED STREAM SEGMENTS INCLUDE, BUT ARE NOT LIMITED TO:
 - 2.2.1. CRITERIA VIOLATED "BIO F" (IMPAIRED FISH COMMUNITY) AND/OR "BIO M" (IMPAIRED MACROINVERTEBRATE COMMUNITY)
 - 2.2.2. WITHIN CATEGORY 4A, 4B, OR 5
 - 2.2.3. POTENTIAL CAUSE IS EITHER "NP" (NONPOINT SOURCE) OR ("UR" (URBAN RUNOFF)

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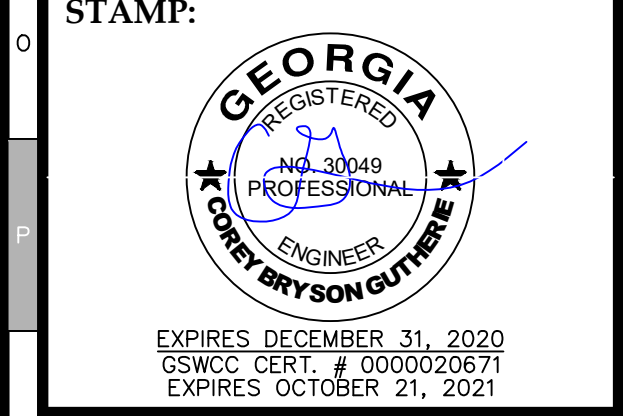
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PROJECT:
HARRY SOSEBEE ROAD & LUMPKIN CAMPGROUND ROAD ROUNDABOUT

LOCATED IN:
LAND LOTS 496, & 497
13th DISTRICT, South SECTION,
DAWSON COUNTY, GEORGIA

SHEET TITLE:
EROSION, SEDIMENTATION, & POLLUTION CONTROL NOTES



DRAWING DATE: 2020-07-13

SHEET REVISIONS

NO.	DESCRIPTION	DATE
1	ADD PLUNGE POOLS M & N,	05/29/20
	CONVERT STORM LINE Y TO ARCH CULVERT	
2	REVISE RW ON PROPERTY 107 053,	07/13/20
	ADD FENCE & LANDSCAPING, CONVERT LINE W TO ARCH CULVERT & ADD DETAILS	

SHEET: G6.04

DEFINITION
A TEMPORARY COVER OF PLANT RESIDUES APPLIED TO THE SOIL SURFACE FOR A PERIOD OF SIX MONTHS OR LESS WHEN SEEDING IS NOT PRACTICAL.

PURPOSE
- REDUCE RUNOFF, EROSION, AND SEDIMENTATION
- REDUCE DUST
- CONSERVE MOISTURE
- PREVENT SURFACE COMPACTION AND CRUSTING
- CONTROL UNDESIRABLE VEGETATION

INSTALLATION
- INSTALL ALL OTHER REQUIRED BMPs FIRST.
- GRADE SITE, IF POSSIBLE, TO PERMIT THE USE OF EQUIPMENT FOR APPLYING AND ANCHORING MULCH.
- LOOSEN COMPACTED SOIL, IF POSSIBLE, TO A DEPTH OF THREE INCHES.
- APPLY STRAW OR HAY UNIFORMLY, AS SHOWN IN TABLE 1, BY HAND OR MECHANICAL EQUIPMENT, AND ANCHOR BY PRESSING INTO SOIL OR USING NETTING.
- MULCH ON SLOPES GREATER THAN 3% SHOULD BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE AE-5 OR SS-1) OR OTHER SUITABLE TACKIFIER.
- WOOD WASTE ON SLOPES FLATTER THAN 3:1 DO NOT NEED ANCHORING.
- MULCH SHALL BE APPLIED TO ALL DISTURBED AREAS LEFT INACTIVE FOR FOURTEEN DAYS.

MULCHING APPLICATION REQUIREMENTS

MATERIAL	RATE	DEPTH
STRAW OR HAY	—	2" TO 4"
WOOD WASTE, CHIPS, SAWDUST, BARK	—	2" TO 3"
CUTBACK ASPHALT	1200 GAL./ACRE, 1/4 GAL./SQ. YD. OR SEE MANUFACTURER'S RECOMMENDATIONS	—
POLYETHYLENE FILM	SECURE WITH SOIL ANCHORS, WEIGHTS	—
GEOTEXTILES, JUTE MATTING, NETTING, ETC.	SEE MANUFACTURER'S RECOMMENDATIONS	—

TABLE 1

Disturbed Area Stabilization (WITH MULCHING ONLY)

Ds1

DEFINITION
A TEMPORARY VEGETATION COVER WITH FAST GROWING SEEDINGS FOR UP TO A 12-MONTH PERIOD OR UNTIL PERMANENT VEGETATION IS ESTABLISHED.

PURPOSE
- REDUCE RUNOFF, EROSION, AND SEDIMENTATION
- IMPROVE WILDLIFE HABITAT
- IMPROVE AESTHETICS
- IMPROVE TILTH AND ORGANIC MATTER

INSTALLATION
- INSTALL ALL E&S MEASURES PRIOR TO APPLYING TEMPORARY VEGETATION.
- GRADING OR SHAPING ARE NOT REQUIRED IF SLOPES CAN BE PLANTED WITH A HYDROSEEDER OR BY HAND-SEEDING.
- SEEDBED PREPARATION IS NOT REQUIRED IF SOIL IS LOOSE AND NOT SEALED BY RAIN.
- WHEN THE SOIL IS SEALED OR CRUSTED, IT SHOULD BE PITTED, TRENCHED OR SCARIFIED TO PROVIDE A PLACE FOR SEEDING TO LODGE AND GERMINATE.
- AGRICULTURAL LIME IS NOT REQUIRED.
- FERTILIZE LOW FERTILITY SOILS PRIOR TO OR DURING PLANTING AT THE RATE OF 500-700 POUNDS PER ACRE OF 10-10-10 FERTILIZER OR EQUIVALENT (12-16 POUNDS/1000 SQUARE FEET).
- IT IS IMPERATIVE THAT YOU CHECK THE TAG ON THE BAG OF SEED TO VERIFY THE TYPE AND GERMINATION OF THE SEED TO BE PLANTED.
- APPLY SEED BY HAND, CYCLONE SEEDER, DRILL, OR HYDRO-SEEDER. SEED PLANTED WITH A DRILL SHOULD BE PLANTED 1/4"-1/2" DEEP.
- APPLY IN ACCORDANCE WITH SPECIFICATIONS ON THE E&S PLAN. IF INFORMATION IS NOT AVAILABLE, SELECT A TEMPORARY COVER FROM TABLE 1.
- TEMPORARY COVER SHALL BE APPLIED TO ALL DISTURBED AREAS LEFT IDLE FOR FOURTEEN DAYS. (IF AN AREA IS LEFT IDLE FOR 6 MONTHS, PERMANENT COVER SHALL BE APPLIED.)

MAINTENANCE
RE-SEED AREAS WHERE AN ADEQUATE STAND OF TEMPORARY VEGETATION FAILS TO EMERGE OR WHERE A POOR STAND EXISTS.

LIME AND FERTILIZER
Agricultural lime is required unless soils tests indicated otherwise. Apply agricultural lime at a rate of one ton per acre. Eroded 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.

Disturbed Area Stabilization (WITH TEMPORARY SEEDING)

Ds2

SOME TEMPORARY PLANT SPECIES, SEEDING RATES AND PLANTING DATES

SPECIES	RATES PER 1000 SQ. FT.	RATES PER ACRE	PLANTING DATES BY REGION		
			M-L	P	C
BARLEY ALONE	3.3 LBS.	3 BU.	9/1-10/31	9/15-11/15	10/1-12/31
BARLEY IN MIXTURES	0.6 LBS.	0.5 BU.			
LESPEDEZA, ANNUAL	0.9 LBS.	40 LBS.	3/1-3/31	3/1-3/31	2/1-2/28
LESPEDEZA IN MIXTURES	0.2 LBS.	10 LBS.			
LOVEGRASS, WEEPING	0.1 LBS.	4 LBS.	4/1-5/31	4/1-5/31	3/1-5/31
LOVEGRASS IN MIXTURES	0.05 LBS.	2 LBS.			
MILLET, BROWNTOP	0.9 LBS.	40 LBS.	4/15-6/15	4/15-6/30	4/15-6/15
MILLET IN MIXTURES	0.2 LBS.	10 LBS.			
MILLET, PEARL	1.1 LBS.	50 LBS.	5/15-7/15	5/15-7/31	4/15-8/15
OATS ALONE	2.99 LBS.	4 BU.	9/15-11/15	9/15-11/15	9/15-11/15
OATS IN MIXTURES	0.7 LBS.	1 BU.			
RYE (GRAN) ALONE	3.9 LBS.	3 BU.	8/15-10/31	9/15-11/30	10/1-12/31
RYE IN MIXTURES	0.6 LBS.	0.5 BU.			
RYEGRASS	0.9 LBS.	40 LBS.	8/15-11/15	9/1-12/15	9/15-12/31
SUDANGRASS	1.4 LBS.	60 LBS.	5/1-7/31	3/1-7/31	4/1-7/31
TRITICALE ALONE	3.3 LBS.	3 BU.	N/A	N/A	10/15-11/30
TRITICALE WITH MIXTURES	0.6 LBS.	0.5 BU.			
WHEAT ALONE	4.1 LBS.	3 BU.	9/15-11/30	10/1-12/15	10/15-12/31
WHEAT WITH MIXTURES	0.7 LBS.	0.5 BU.			

TABLE 1

TABLE 1
1. UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES.
2. SEEDING DATES MAY BE ALTERED TO FIT TEMPERATURE VARIATIONS AND LOCAL CONDITIONS.
3. FOR MAJOR LAND RESOURCE AREAS (MLRA), SEE INSTRUCTIONS FOR TACKIFIERS AND BINDERS.
4. SEEDING RATES ARE BASED ON PURE LIVE SEED (PLS).

FERTILIZER REQUIREMENTS FOR TEMPORARY VEGETATION

SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS./ACRE)	N TOP DRESSING RATE (LBS./ACRE)
COOL SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND MAINTENANCE	6-12-12	1000	30
COOL SEASON GRASSES & LEGUMES	FIRST	6-12-12	1500	0-50
	SECOND MAINTENANCE	0-10-10	1000	---
TEMPORARY COVER CROPS SEEDED ALONE	FIRST	10-10-10	500	30
	SECOND MAINTENANCE	6-12-12	1500	50-100
WARM SEASON GRASSES	FIRST	6-12-12	800	50-100
	SECOND MAINTENANCE	10-10-10	400	30

TABLE 2

SOME PERMANENT PLANT SPECIES, SEEDING RATES, AND PLANTING DATES

SPECIES	RATES PER ACRE	RATES PER 1,000 SQ. FT.	PLANTING DATES BY REGION			REMARKS
			M-L	P	C	
LESPEDEZA, SERICEA (CONT.) UNSCARIFIED	70 LBS.	1.7 LBS.	9/1-2/28	9/1-2/28	9/1-2/28	MIX WITH TALL FESCUE OR WINTER ANNUALS
			10/1-1/31	10/1-1/31	10/15-1/15	CUT WHEN SEED IS MATURE BUT BEFORE IT SHATTERS; ADD TALL FESCUE OR WINTER ANNUALS
SEED-BEARING HAY	3 TONS	138 LBS.	10/1-1/31	10/1-1/31	10/15-1/15	SPREADING GROWTH WITH HEIGHT OF 18"-24"; GOOD IN URBAN AREAS; SLOW TO DEVELOP GOOD STANDS; MIX WITH WEEPING
LESPEDEZA, AMBRO VIRGATA OR APPALOW	60 LBS.	1.4 LBS.	4/1-5/31	3/15-5/31	3/1-5/15	OVERGRASS, COMMON BERMUDA, BAHIA TALL FESCUE OR WINTER ANNUALS; DO NOT MIX WITH SERICEA LESPEDEZA
SCARIFIED UNSCARIFIED	75 LBS.	1.7 LBS.	9/1-2/28	9/1-2/28	9/1-2/28	DO NOT MIX WITH SERICEA LESPEDEZA
LESPEDEZA, SHRUB (LESPEDEZA, BICOLOR OR LESPEDEZA THURBERGII) PLANTS	3'X3' SPAACING		10/1-3/31	11/1-3/15	11/15-2/28	PLANT IN SMALL CLUMPS FOR WILDLIFE FOOD AND COVER
LOVEGRASS, WEEPING ALONE	4 LBS.	0.1 LB.	4/1-5/31	3/15-5/31	3/1-5/31	QUICK COVER; DROUGHT TOLERANT; GROWS WELL WITH SERICEA LESPEDEZA ON ROAD-BANKS AND OTHER STEEP SLOPES; SHORT LIVED
MAIDENCANE SPRIGS	2'X3' SPAACING		2/1-3/31	2/1-3/31	2/1-3/31	FOR VERY WET SITES SUCH AS RIVERBANKS AND SHOULDER; DIG SPRIGS LOCALLY

TABLE 1 (CONT.)

Mulch is required for all permanent vegetation applications. Mulch applied to seeded areas shall achieve 75% soil cover. Select the following and apply as indicated.

- Dry straw or dry hay of good quality and free of weed seeds can be used. Dry straw shall be applied at the rate of 2 tons per acre. Dry hay shall be applied at the rate of 2 1/2 tons per acre.
- Wood cellulose mulch or wood pulp fiber shall be used with hydraulic seeding. It shall be applied at the rate of 500 pounds per acre. Dry straw or dry hay shall be applied (at the rate indicated above) after hydraulic seeding.
- One thousand pounds of wood cellulose or wood pulp fiber, which includes a tackifier, shall be used with hydraulic seeding on slopes 3/4:1 or steeper.
- Sericea lespedeza hay containing mature seed shall be applied at a rate of three tons per acre.
- Pine straw or pine bark shall be applied at a thickness of 3 inches for bedding purposes. Other suitable materials in sufficient quantity may be used where ornamentals or other ground covers are planted. This is not appropriate for seeded areas.
- When using temporary erosion control blankets or block sod, mulch is not required.
- Bituminous treated roving may be applied on planted areas on slopes, in ditches or dry waterways to prevent erosion. Bituminous treated roving shall be applied within 24 hours after an area has been planted. Application rates and materials must meet Georgia Department of Transportation specifications.

Wood cellulose and wood pulp fibers shall not contain germination or growth inhibiting factors. They shall be evenly dispersed when applied in water. The fibers shall contain a dye to allow visual metering and aid in uniform application during seeding.

For much application and other information, refer to the MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.

Ds1 Ds3
MULCHING

SOME PERMANENT PLANT SPECIES, SEEDING RATES, AND PLANTING DATES

SPECIES	RATES PER ACRE	RATES PER 1,000 SQ. FT.	PLANTING DATES BY REGION			REMARKS
			M-L	P	C	
PANICGRASS, ATLANTIC COASTAL	20 LBS.	0.5 LB.	---	3/1-4/30	3/1-4/30	GROWS WELL ON COASTAL SAND DUNES; MIX WITH SERICEA LESPEDEZA BUT NOT ON SAND DUNES
REED CANARY GRASS WITH OTHER PERENNIALS	50 LBS. 30 LBS.	1.1 LBS. 0.7 LBS.	8/15-10/15	9/1-10/15	---	GROWS SIMILAR TO TALL FESCUE; FOR WET SITES
SUNFLOWER, AZTEC MAXIMILLIAN	10 LBS.	0.2 LB.	4/15-5/31	4/15-5/31	4/1-5/31	MIX WITH WEEPING LOVEGRASS OR OTHER LOW GROWING GRASSES OR LEGUMES

TABLE 1 (CONT.)

1. RATES ARE FOR BROADCASTED SEED. IF A SEED DRILL IS USED, REDUCE THE RATES BY ONE-HALF.
2. PLS IS AN ABBREVIATION FOR PURE LIVE SEED.
3. SEEDING RATES ARE BASED ON PURE LIVE SEEDS (PLS).

FERTILIZER REQUIREMENTS FOR PERMANENT VEGETATION

TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS./ACRE)	N TOP DRESSING RATE (LBS./ACRE)
COOL SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND MAINTENANCE	6-12-12	1000	30
COOL SEASON GRASSES AND LEGUMES	FIRST	6-12-12	1500	0-50
	SECOND MAINTENANCE	0-10-10	1000	---
WARM SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND MAINTENANCE	6-12-12	800	50-100
WARM SEASON GRASSES AND LEGUMES	FIRST	6-12-12	1500	30
	SECOND MAINTENANCE	0-10-10	1000	---

TABLE 2

Disturbed Area Stabilization (WITH PERMANENT SEEDING)

Ds3

DEFINITION
A PERMANENT VEGETATION COVER USING GRASSES, TREES, SHRUBS, OR LEGUMES ON HIGHLY ERODIBLE OR CRITICALLY ERODED LANDS.

PURPOSE
- REDUCE RUNOFF AND EROSION
- IMPROVE WILDLIFE HABITAT
- IMPROVE AESTHETICS
- IMPROVE TILTH AND ORGANIC MATTER
- REDUCE DOWNSTREAM COMPLAINTS
- REDUCE LIKELIHOOD OF LEGAL ACTION
- REDUCE LIKELIHOOD OF WORK STOPPAGE DUE TO LEGAL ACTION
- INCREASE "GOOD NEIGHBOR" BENEFITS

INSTALLATION
- USE CONVENTIONAL PLANTING METHODS, IF POSSIBLE.
- APPLY ACCORDING TO APPROVED PLAN, IF SHOWN, OR REFER TO TABLE 1.
- CHECK THE TAG ON THE BAG OF SEED TO VERIFY THE TYPE AND GERMINATION OF THE SEED TO BE PLANTED AND THE DATE OF THE TEST.
- SCARIFY PIT OR FRENCH SEALED OR CRUSTED SOIL.
- FERTILIZE BASED ON SOIL TESTS OR AS SHOWN IN TABLE 2.
- APPLY AGRICULTURAL LIME AS PRESCRIBED BY SOIL TESTS OR AT A RATE OF 1 TO 2 TONS PER ACRE.
- STRAW OR HAY MULCH SHALL BE APPLIED AT A RATE OF 2 OR 2.5 TON PER ACRE. IRRIGATION SHOULD BE USED TO SUPPLEMENT RAINFALL, BUT NOT TO THE EXTENT TO CAUSE EROSION.

MAINTENANCE
RE-SEED AREAS WHERE AN ADEQUATE STAND OF VEGETATION FAIL TO EMERGE OR WHERE A POOR STAND EXISTS.
- APPLY FERTILIZER PER TABLE 2.
- APPLY ONE TON OF AGRICULTURAL LIME AS INDICATED BY SOIL TEST EVERY 4-6 YEARS.
- MOW BERMUDA AND BAHIA AS DESIRED. MOW SERICEA LESPEDEZA ONLY AFTER FROST TO ENSURE SEED ARE MATURE.
- MAINTAIN 6" OR MORE OF TOP GROWTH.

SOME PERMANENT PLANT SPECIES, SEEDING RATES, AND PLANTING DATES

SPECIES	RATES PER ACRE	RATES PER 1,000 SQ. FT.	PLANTING DATES BY REGION			REMARKS
			M-L	P	C	
BAHIA, PENSACOLA ALONE OR WITH TEMPORARY COVER WITH OTHER PERENNIALS	60 LBS. 30 LBS.	1.4 LBS. 0.7 LB.	---	4/1-5/31	3/1-5/31	LOW GROWING; SOIL PRODUCING; WILL SPREAD INTO BERMUDA LAWNS
BAHIA, WILMINGTON ALONE OR WITH TEMPORARY COVER WITH OTHER PERENNIALS	60 LBS. 30 LBS.	1.4 LBS. 0.7 LB.	3/15-5/31	3/1-5/31	---	SAME AS ABOVE
BERMUDA, COMMON (HULLED SEED) ALONE WITH OTHER PERENNIALS	10 LBS. 6 LBS.	0.2 LB. 0.1 LB.	---	4/1-5/31	3/15-5/31	QUICK COVER; LOW GROWING; SOIL FORMING; NEEDS FULL SUN
BERMUDA SPRIGS COMMON LAWN AND FORAGE HYBRIDS	40 CU. FT. 1 BU=125 CU. FT. OR 800 SPRIGS	0.9 CU. FT. 3'X3'	4/15-6/15	4/1-6/15	4/1-5/31	1 CU. FT.=650 SPRIGS; DO NOT MIX WITH SERICEA LESPEDEZA
CENTPEDE	BLOCK SOD ONLY	BLOCK SOD ONLY	---	11/1-5/31	11/1-5/31	DROUGHT TOLERANT; FULL SUN OR PARTIAL SHADE
CROWN VETCH WITH WINTER ANNUALS OR COOL SEASON GRASSES	15 LBS.	0.3 LB.	9/1-10/15	9/1-10/15	---	MIX WITH 30 LBS. TALL FESCUE OR 15 LBS. RYE; INOCULATE SEED; PLANT ONLY NORTH OF ATLANTA
FESCUE, TALL ALONE WITH OTHER PERENNIALS	50 LBS. 30 LBS.	1.1 LBS. 0.7 LB.	3/1-4/15 OR 8/15-10/15	9/1-10/15	---	CAN BE MIXED WITH PERENNIALS LESPEDEZAS OR CROWN VETCH; NOT FOR DROUGHTY SOILS OR HEAVY USE AREAS
LESPEDEZA, SERICEA SCARIFIED	60 LBS.	1.4 LBS.	4/1-5/31	3/15-5/31	4/1-5/15	WIDELY ADAPTED AND LOW MAINTENANCE; TAKES 2-3 YEARS TO ESTABLISH; INOCULATE SEED WITH WEEPING LOVEGRASS, COMMON BERMUDA, BAHIA, OR TALL FESCUE

TABLE 1

DEFINITION
A PERMANENT VEGETATION USING SODS ON HIGHLY ERODIBLE OR CRITICALLY ERODED LANDS.

PURPOSE
- ESTABLISH IMMEDIATE GROUND COVER
- REDUCE RUNOFF AND EROSION
- IMPROVE AESTHETICS AND LAND VALUE
- REDUCE DUST AND SEDIMENTS
- STABILIZE WATERWAYS AND CRITICAL AREAS
- FILTER SEDIMENTS, NUTRIENTS AND BUGS
- REDUCE DOWNSTREAM COMPLAINTS
- REDUCE LIKELIHOOD OF LEGAL ACTION
- REDUCE LIKELIHOOD OF WORK STOPPAGE DUE TO LEGAL ACTION
- INCREASE "GOOD NEIGHBOR" BENEFITS

INSTALLATION
- BRING SOIL SURFACE TO FINAL GRADE. CLEAR SURFACE OF TRASH, WOOD DEBRIS, STONES, AND CLODS LARGER THAN 1". APPLY SOD TO SOIL SURFACES ONLY AND NOT FROZEN SURFACES, OR GRAVEL TYPE SOILS.
- TOPSOIL PROPERLY APPLIED WILL HELP GUARANTEE A STAND. DON'T USE TOPSOIL RECENTLY TREATED WITH HERBICIDES OR SOIL STERILANTS.
- MIX FERTILIZER INTO SOIL SURFACE. FERTILIZE BASED ON SOIL TESTS ON TABLE 1. FOR FALL PLANTING OF WARM SEASON SPECIES, HALF THE FERTILIZER SHOULD BE APPLIED AT PLANTING AND THE OTHER HALF IN THE SPRING.
- AGRICULTURAL LIME SHOULD BE APPLIED BASED ON SOIL TESTS OR AT RATE OF 1 TO 2 TONS PER ACRE.
- LAY SOD WITH TIGHT JOINTS AND IN STRAIGHT LINES. DON'T OVERLAP JOINTS. STAGGER JOINTS AND DO NOT STRETCH SOD.
- ON SLOPES STEEPER THAN 3:1, SOD SHOULD BE ANCHORED WITH WOODEN OR BIODEGRADABLE PINS OR OTHER APPROVED METHODS.
- INSTALL SOD SHOULD BE ROLLED OR TAMPED TO PROVIDE GOOD CONTACT BETWEEN SOD AND SOIL.
- IRRIGATE SOD AND SOIL TO A DEPTH OF 4" IMMEDIATELY AFTER INSTALLATION. SOD SHOULD NOT BE CUT OR SPREAD IN EXTREMELY WET OR DRY WEATHER.
- IRRIGATION SHOULD BE USED TO SUPPLEMENT RAINFALL FOR A MINIMUM OF 2-3 WEEKS.

MAINTENANCE
- SOD SELECTED SHOULD BE CERTIFIED. SOD GROWN IN THE GENERAL AREA OF THE PROJECT IS DESIRABLE.
- SOD SHOULD BE MACHINE CUT AND CONTAIN 3/4" ± 1/4" OF SOIL, NOT INCLUDING SHOOTS OR THATCH.
- SOD SHOULD BE CUT TO THE DESIRED SIZE WITHIN ±5% TORN OR UNEVEN PADS SHOULD BE REJECTED.
- SOD SHOULD BE CUT AND INSTALLED WITHIN 36 HOURS OF DIGGING.
- THE SOD TYPE SHOULD BE SHOWN ON THE PLANS OR INSTALLED ACCORDING TO TABLE 2.

MAINTENANCE
- RE-SEED AREAS WHERE AN ADEQUATE STAND OF SOD IS NOT OBTAINED.
- NEW SOD SHOULD BE MOWED SPARINGLY. GRASS HEIGHT SHOULD NOT BE CUT LESS THAN 2"-3" OR AS SPECIFIED.
- APPLY ONE TON OF AGRICULTURAL LIME AS INDICATED BY SOIL TEST OR EVERY 4-6 YEARS.
- FERTILIZE GRASSES IN ACCORDANCE WITH SOIL TEST ON TABLE 3.

FERTILIZER REQUIREMENTS FOR SOIL SURFACE APPLICATION

FERTILIZER TYPE	FERTILIZER RATE (LBS./ACRE)	FERTILIZER RATE (LBS./SQ. FT.)	SEASON
10-10-10	1000	.025	FALL

TABLE 1

SOD PLANTING REQUIREMENTS

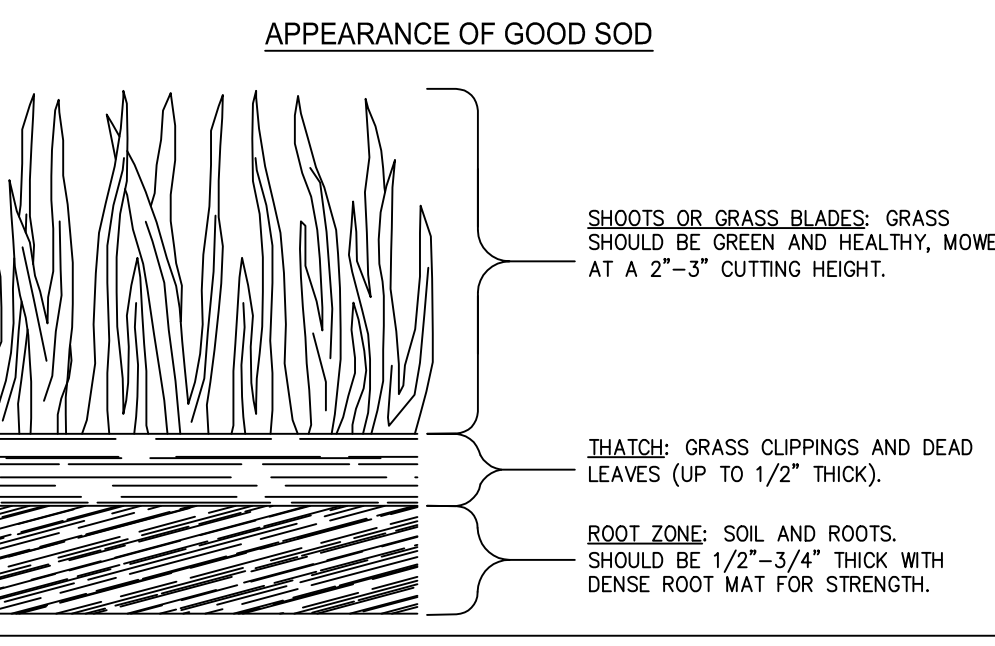
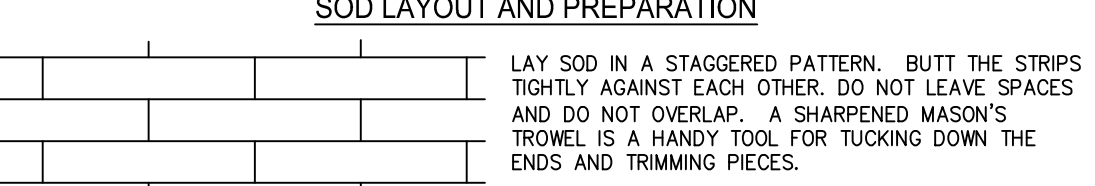
GRASS	VARIETIES	RESOURCE AREA	GROWING SEASON
BERMUDA	COMMON TWIFAY	M-L,P,C	WARM WEATHER
	TIFWAY	P,C	
	TIFLAWN	P,C	
BAHIA	PENSACOLA	P,C	WARM WEATHER
CENTPEDE	---	P,C	WARM WEATHER
ST. AUGUSTINE	COMMON BITTERBLUE RALEIGH	C	WARM WEATHER
ZOYSIA	EMERALD MYER	P,C	WARM WEATHER
TALL FESCUE	KENTUCKY 31	M-L,P	COOL WEATHER

TABLE 2

FERTILIZER REQUIREMENTS FOR SOD

TYPE OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS./ACRE)	NITROGEN TOP DRESSING RATE (LBS./ACRE)
COOL SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND MAINTENANCE	6-12-12	1000	30
WARM SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND MAINTENANCE	6-12-12	800	50-100

TABLE 3



- DIRECTIONS FOR INITIAL MAINTENANCE
- ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL
 - WATER TO A DEPTH OF 4" AS NEEDED. WATER WELL AS SOON AS THE SOD IS LAID.
 - MOW WHEN THE SOD IS ESTABLISHED -- IN 2-3 WEEKS. SET THE MOWER HIGH (2"-3").

Ds4

Disturbed Area Stabilization (WITH SODDING)

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Dawsonville, GA 30534
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60 TRANSPORTATION LANE
DAWSONVILLE, GA 30534

PHONE: (706) 344-3500
EXT. 42227

24-HOUR CONTACT:
DAVID MCKEE
(706) 344-3500 EXT. 42227
EMAIL:
dmckee@dawsoncounty.org

PROJECT:
HARRY SOSEBEE ROAD & LUMPKIN ROAD CEMETERY ROUNDABOUT

LOCATED IN:
LAND LOTS 496, & 497
13th DISTRICT, South SECTION,
DAWSON COUNTY, GEORGIA

SHEET TITLE:
EROSION, SEDIMENTATION, & POLLUTION CONTROL DETAILS



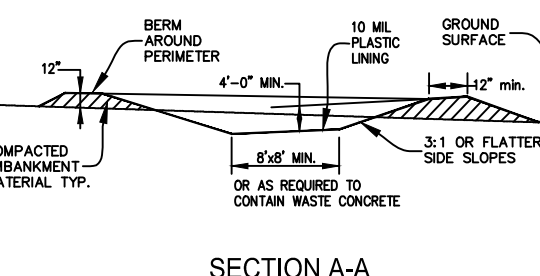
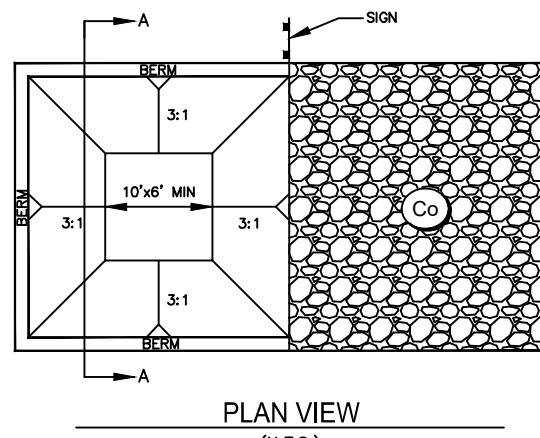
EXPIRES DECEMBER 31, 2020
GSWCC CERT. # 000020671
EXPIRES OCTOBER 21, 2021

DRAWING DATE: 2020-07-13

SHEET REVISIONS

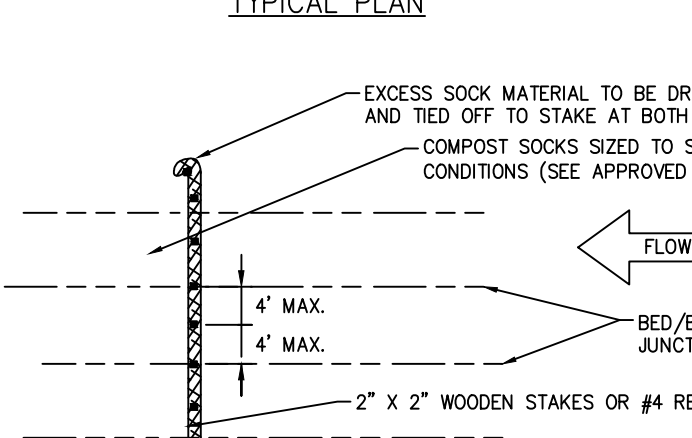
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CONCRETE WASHDOWN



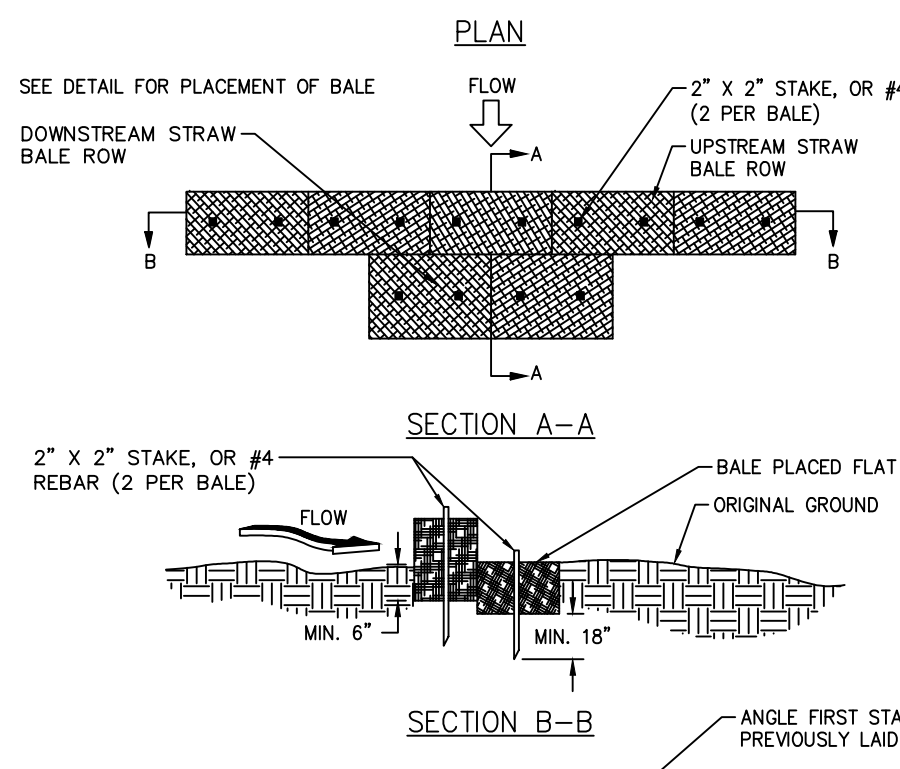
- CONCRETE WASHDOWN AREA INSTALLATION NOTES:**
1. SEE PLAN VIEW FOR LOCATIONS OF CONCRETE WASHDOWN AREA.
 2. THE CONCRETE WASHDOWN AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
 3. VEHICLE TRACKING CONTROL IS REQUIRED AT THE ACCESS POINT. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE AT THE WASHDOWN AREA, AND ELEMENETS AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHDOWN AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP TRUCKS.
 4. EXCAVATED MATERIAL SHALL BE UTILIZED IN PERIMETER BERM CONSTRUCTION.
- CONCRETE WASHDOWN AREA MAINTENANCE NOTES:**
1. THE CONCRETE WASHDOWN AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
 2. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.
 3. WHEN THE CONCRETE WASHDOWN AREA IS REMOVED, THE DISTURBED AREA SHALL BE DRILL SEEDS AND CRIMP MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL AUTHORITIES.
 4. INSPECT WEEKLY, DURING AND AFTER ANY STORM EVENT.

COMPOST SOCKS FOR CHECK DAMS



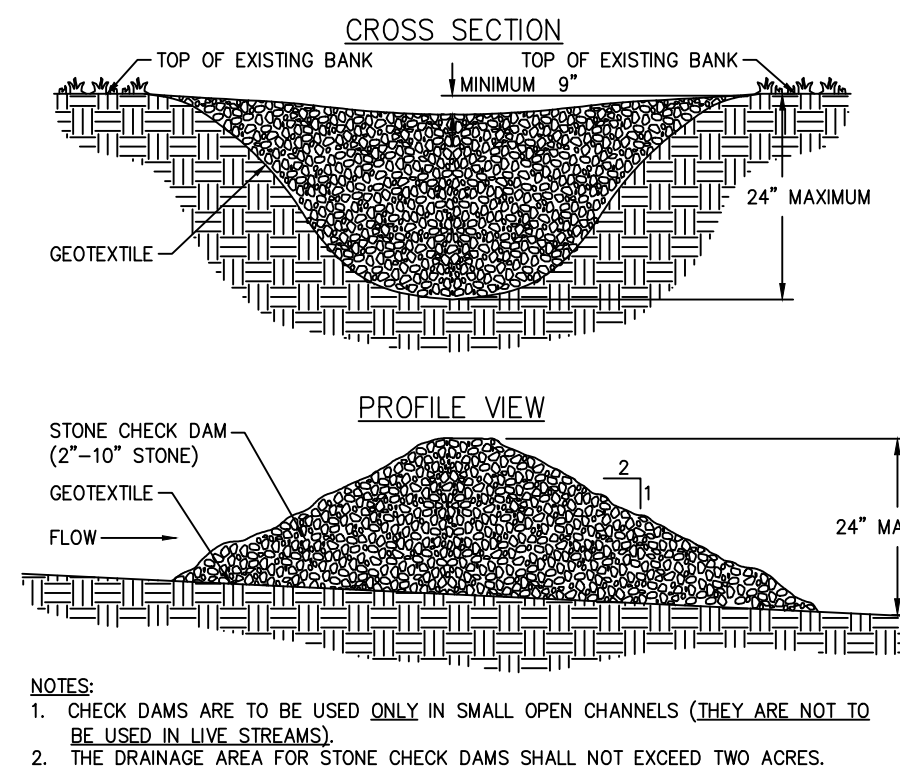
- NOTES:**
1. ALL MATERIAL TO MEET SPECIFICATIONS.
 2. PLACE ONE STAKE AT THE CENTER OF THE DITCH/CHANNEL. ALSO PLACE STAKES AT THE BED/BANK JUNCTION AND AT END OF THE DEVICE. NOT SPACED MORE THAN 4 FEET APART.
 3. SEDIMENT SHOULD BE REMOVED FROM BEHIND THE CHECK DAM ONCE THE ACCUMULATED HEIGHT HAS REACHED 1/2 THE HEIGHT OF THE CHECK DAM.
 4. CHECK DAMS CAN BE DIRECT SEEDED AT THE TIME OF INSTALLATION.
 5. MINIMUM STAKING DEPTH FOR SAND, SILT, AND CLAY SHALL BE 18".

TYPICAL STRAW BALE CHECK DAM



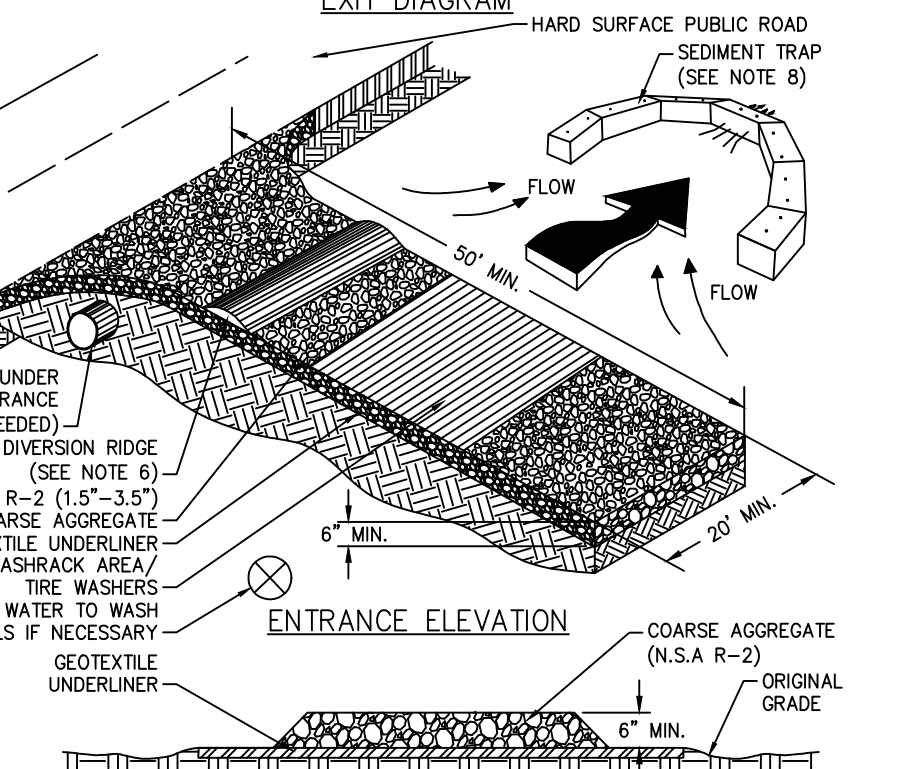
- NOTES:**
1. BALES SHOULD BE BOUND WITH WIRE OR NYLON STRING AND SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
 2. REMOVE #4 REBAR AFTER STRAW BALES ARE NO LONGER IN PLACE.
 3. POINT C OF SECTION B-B SHOULD ALWAYS BE HIGHER THAN POINT D.

STONE CHECK DAM



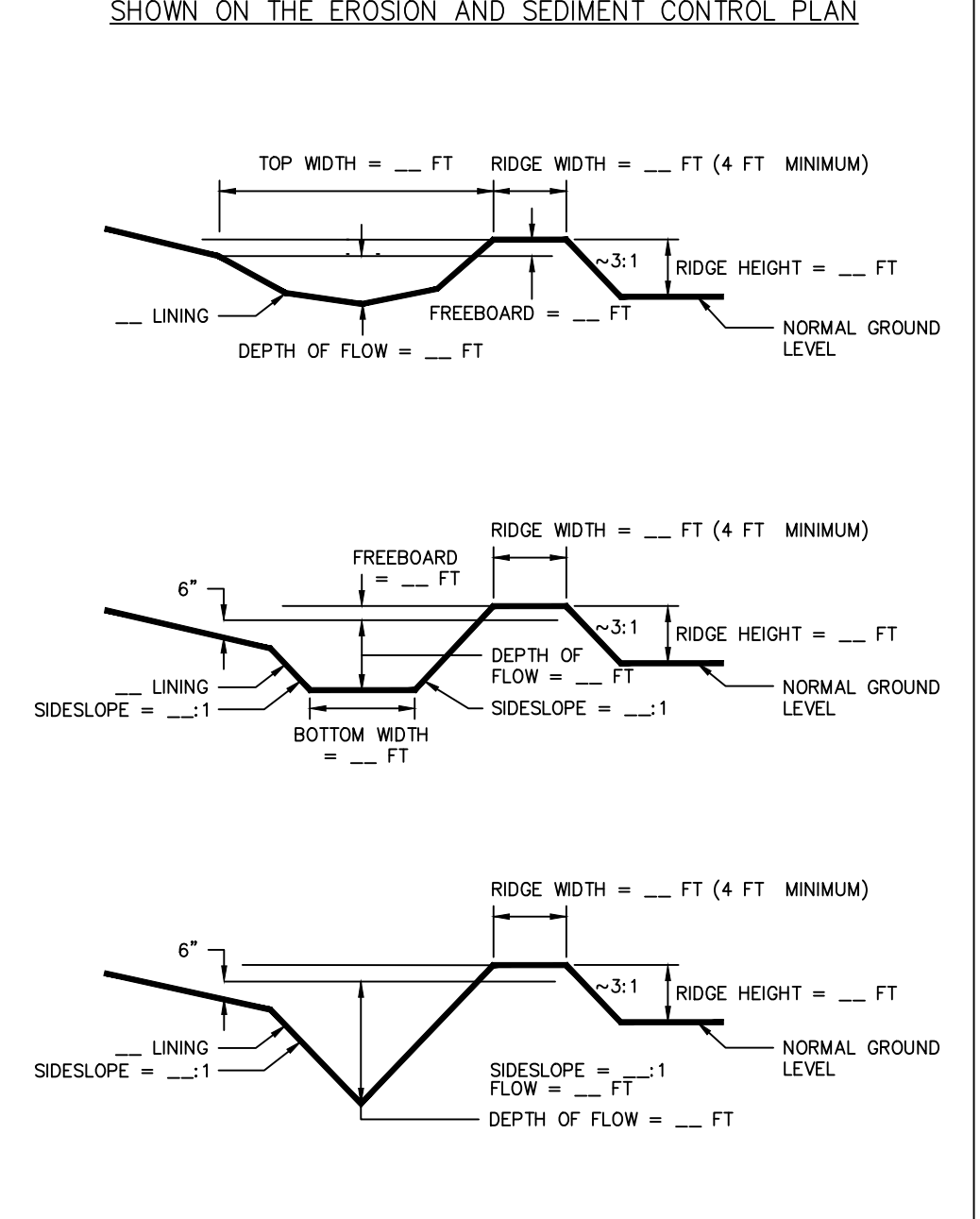
- NOTES:**
1. CHECK DAMS ARE TO BE USED ONLY IN SMALL OPEN CHANNELS (THEY ARE NOT TO BE USED IN LIVE STREAMS).
 2. THE DRAINAGE AREA FOR STONE CHECK DAMS SHALL NOT EXCEED TWO ACRES. THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.
 3. THE DAM HEIGHT SHOULD BE A MAXIMUM OF 2 FEET FROM CENTER TO RIM EDGE.
 4. THE SIDE SLOPES OF THE CHECK DAM SHALL NOT EXCEED A 2:1 SLOPE.
 5. GEOTEXTILE SHALL BE USED TO PREVENT THE MITIGATION OF SUBGRADE SOIL PARTICLES INTO THE STONES (REFER TO AASHTO M288-96, SECTION 7.3, TABLE 3).
- SPACING BETWEEN CHECK DAMS**
- A = THE TOE OF THE UPSTREAM CHECK DAM
B = TOP OF THE DOWNSTREAM CHECK DAM
L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.

CRUSHED STONE CONSTRUCTION EXIT

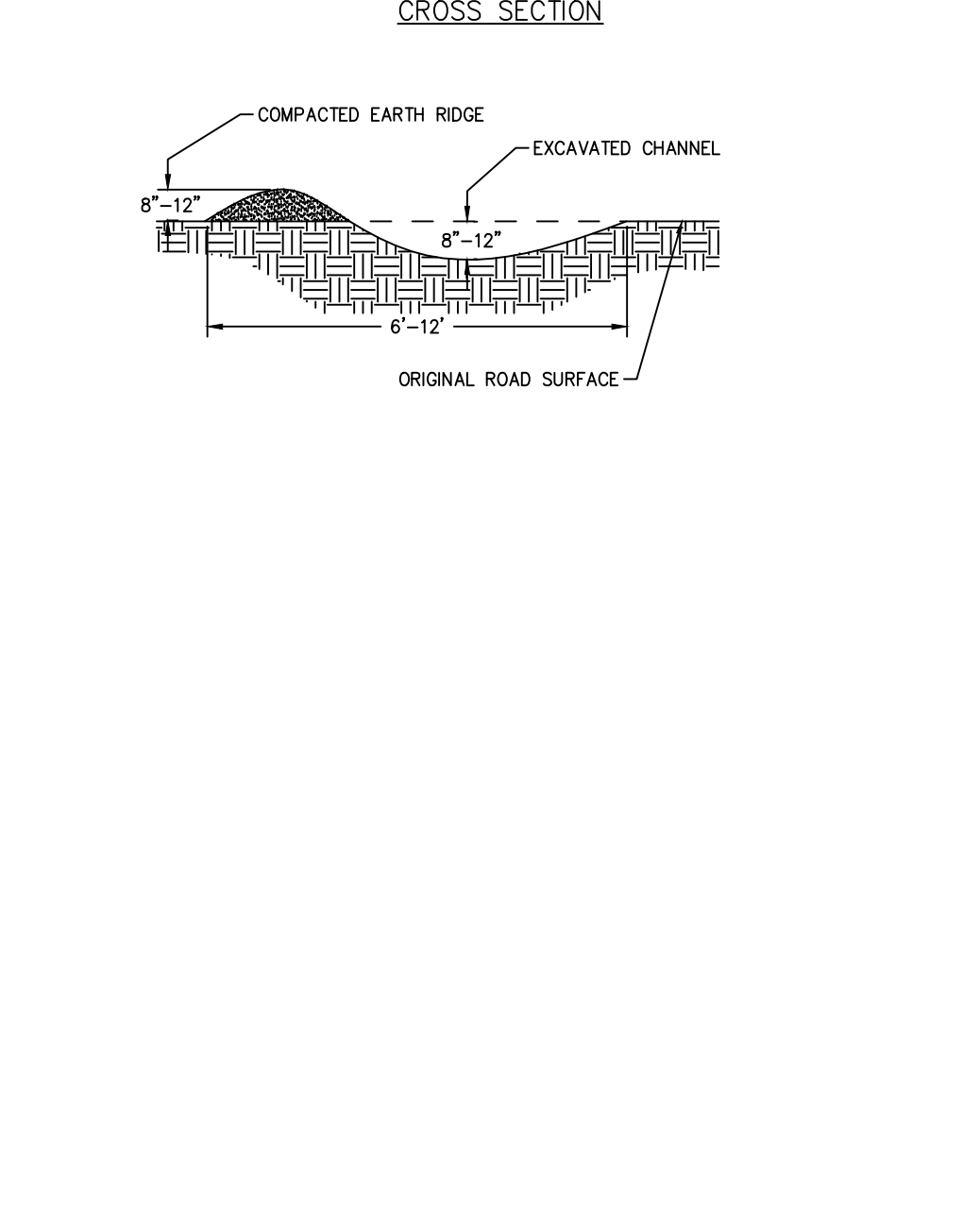


- NOTES:**
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
 2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
 3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5").
 4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
 5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
 6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
 7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
 8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
 9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
 10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

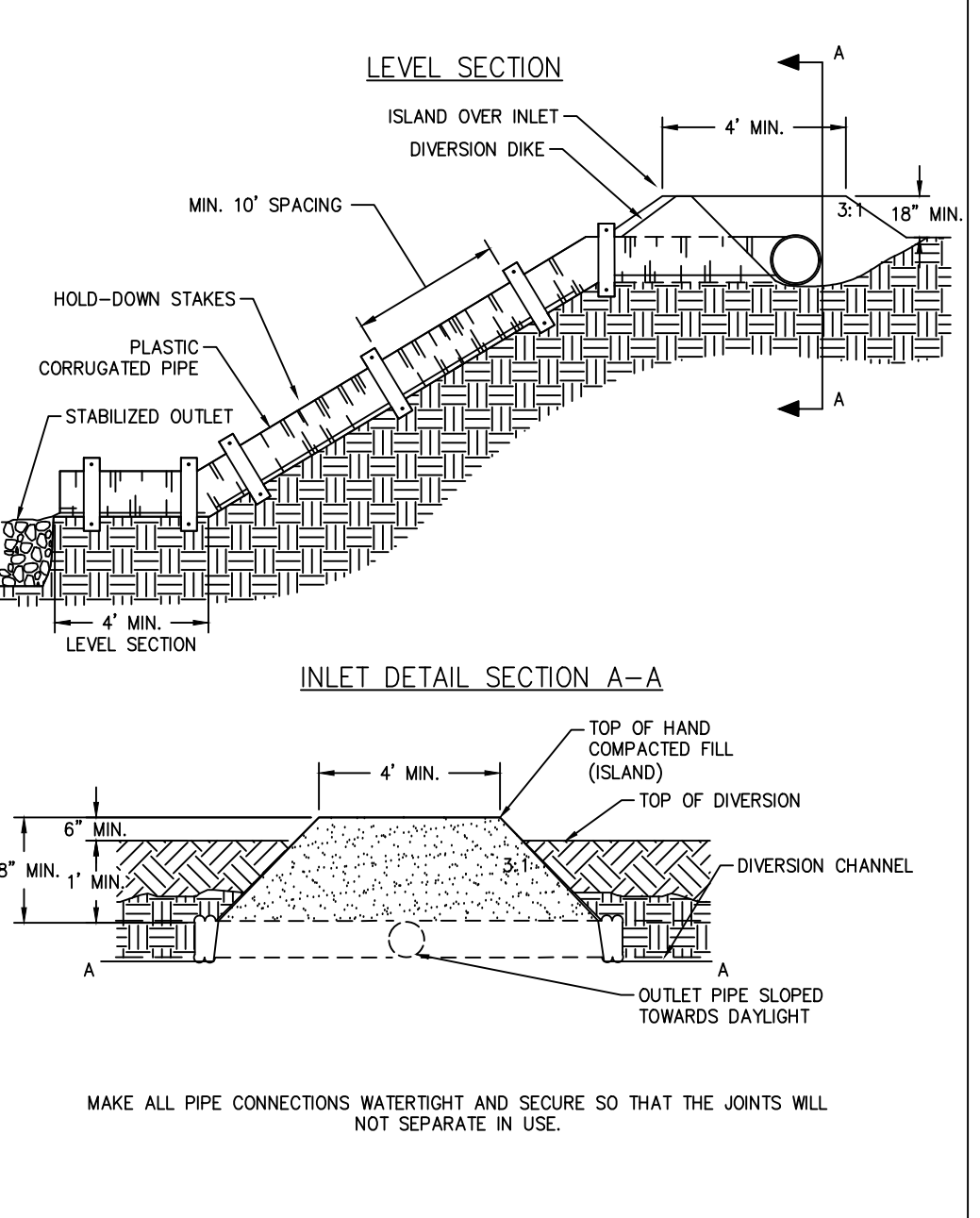
DIVERSION



TYPICAL DIVERSION ACROSS ROAD



DOWNDRAIN PIPE AND INLET DETAIL



DUST CONTROL ON DISTURBED AREAS

DEFINITION: CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITES, ROADS AND DEMOLITION SITES.

PURPOSE:

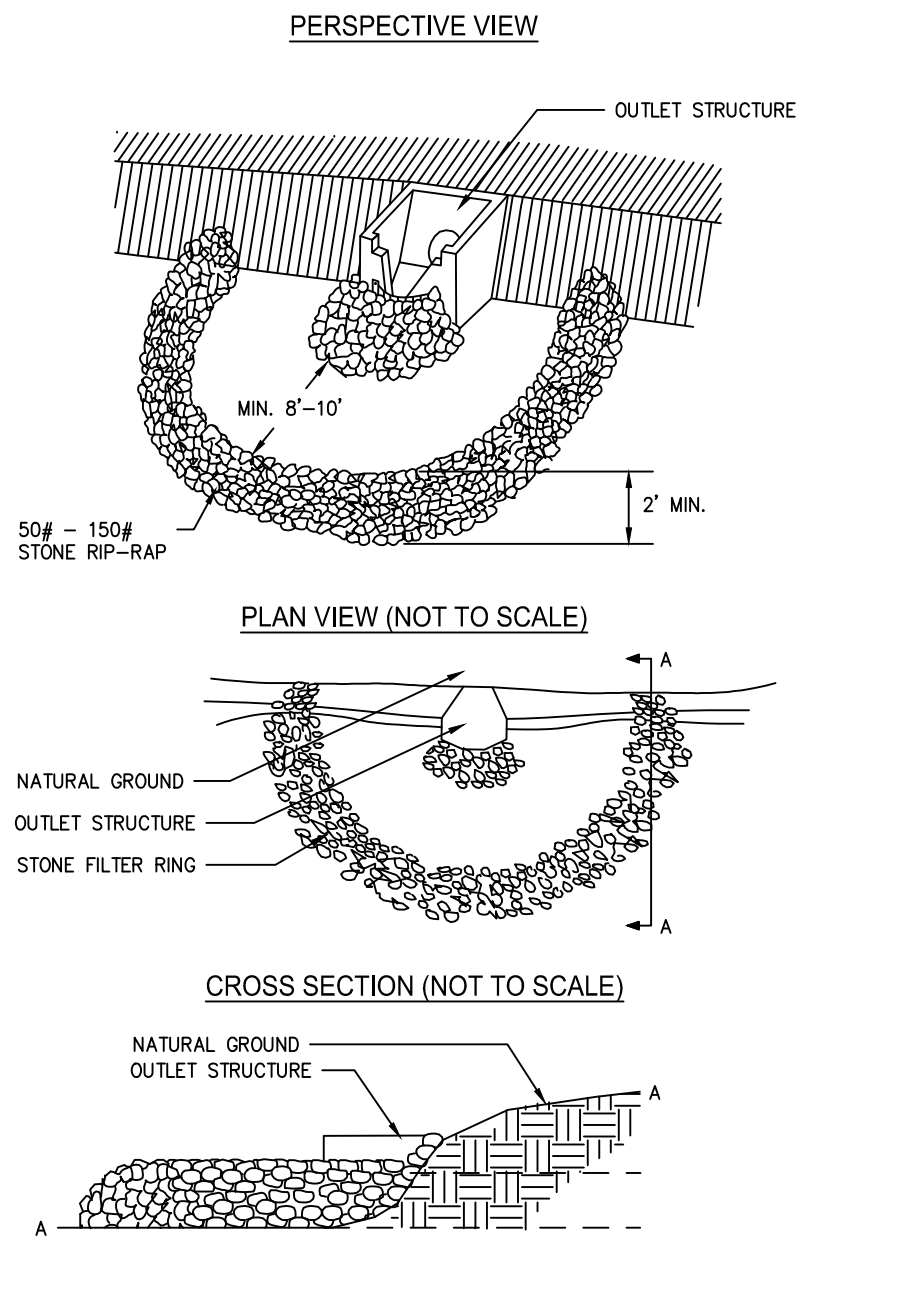
- TO PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES.
- TO REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES THAT MAY BE HARMFUL OR INJURIOUS TO HUMAN HEALTH, WELFARE, OR SAFETY, OR TO ANIMALS OR PLANT LIFE.

CONDITIONS: THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO SURFACE AND AIR MOVEMENT OF DUST WHERE ON AND OFF-SITE DAMAGE OCCUR WITHOUT INTERFERENCE.

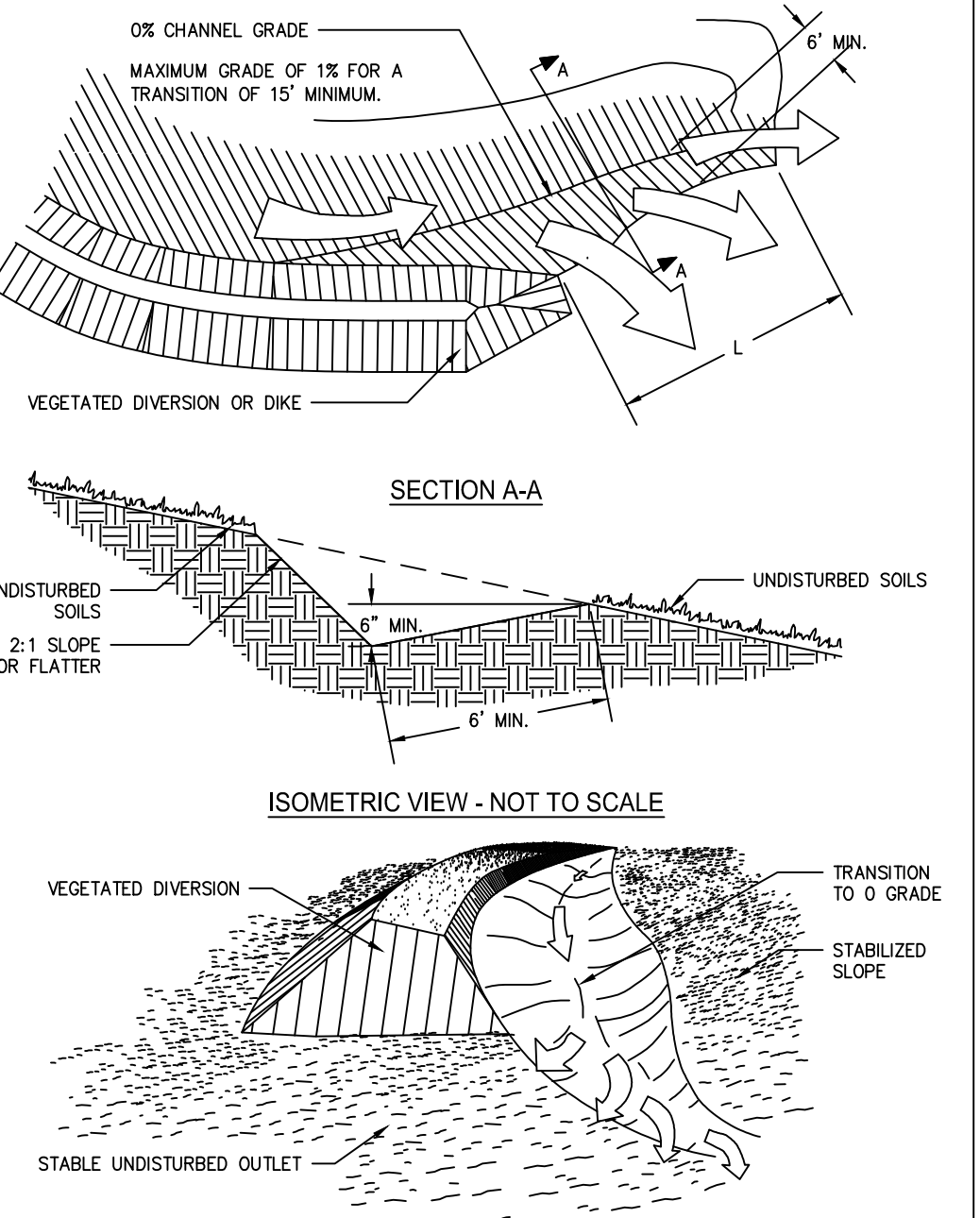
METHODS AND MATERIALS:

- TEMPORARY METHODS
 - MULCHES: SEE STANDARD DS1 - DISTURBED AREA STABILIZATION (WITH MULCHING ONLY). SYNTHETIC RESINS MAY BE USED INSTEAD OF ASPHALT TO BIND MULCH MATERIAL. REFER TO SPECIFICATION TAC - TACKIFIERS. RESINS SHOULD BE USED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
 - VEGETATIVE COVER: SEE SPECIFICATION DS2 - DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING).
 - SPRAY-ON ADHESIVES: THESE ARE USED ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS. REFER TO SPECIFICATION TAC - TACKIFIERS.
- TILLAGE: THIS PRACTICE IS DESIGNED TO ROUGHEN AND BRING CLODS TO THE SURFACE. IT IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE WIND EROSION STARTS. BEGIN FLOWING ON WINDWARD SIDE OF SITE. CRUEL-TYPE FLOWS SPACED ABOUT 12 INCHES APART, SPRING-TOOTHED HARROWS, AND SIMILAR FLOWS ARE EXAMPLES OF EQUIPMENT THAT MAY PRODUCE THE DESIRED EFFECT.
- IRRIGATION: THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED.
- BARRIERS: SOLID BOARD FENCES, SNOWFENCES, BURLAP FENCES, GRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 15 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING WIND EROSION.
 - CALCULUS CRACKERS: APPLY AT RATE THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.
 - PERMANENT VEGETATION: SEE SPECIFICATION DS3 - DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION). EXISTING TREES AND LARGE SHRUBS MAY AFFORD VALUABLE PROTECTION IF LEFT IN PLACE.
 - TOPSOILING: THIS ENTAILS COVERING THE SURFACE WITH LESS ERODIBLE SOIL MATERIAL. SEE SPECIFICATION TP - TOPSOILING.
 - STONE: COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL. SEE SPECIFICATION CR - CONSTRUCTION ROAD STABILIZATION.

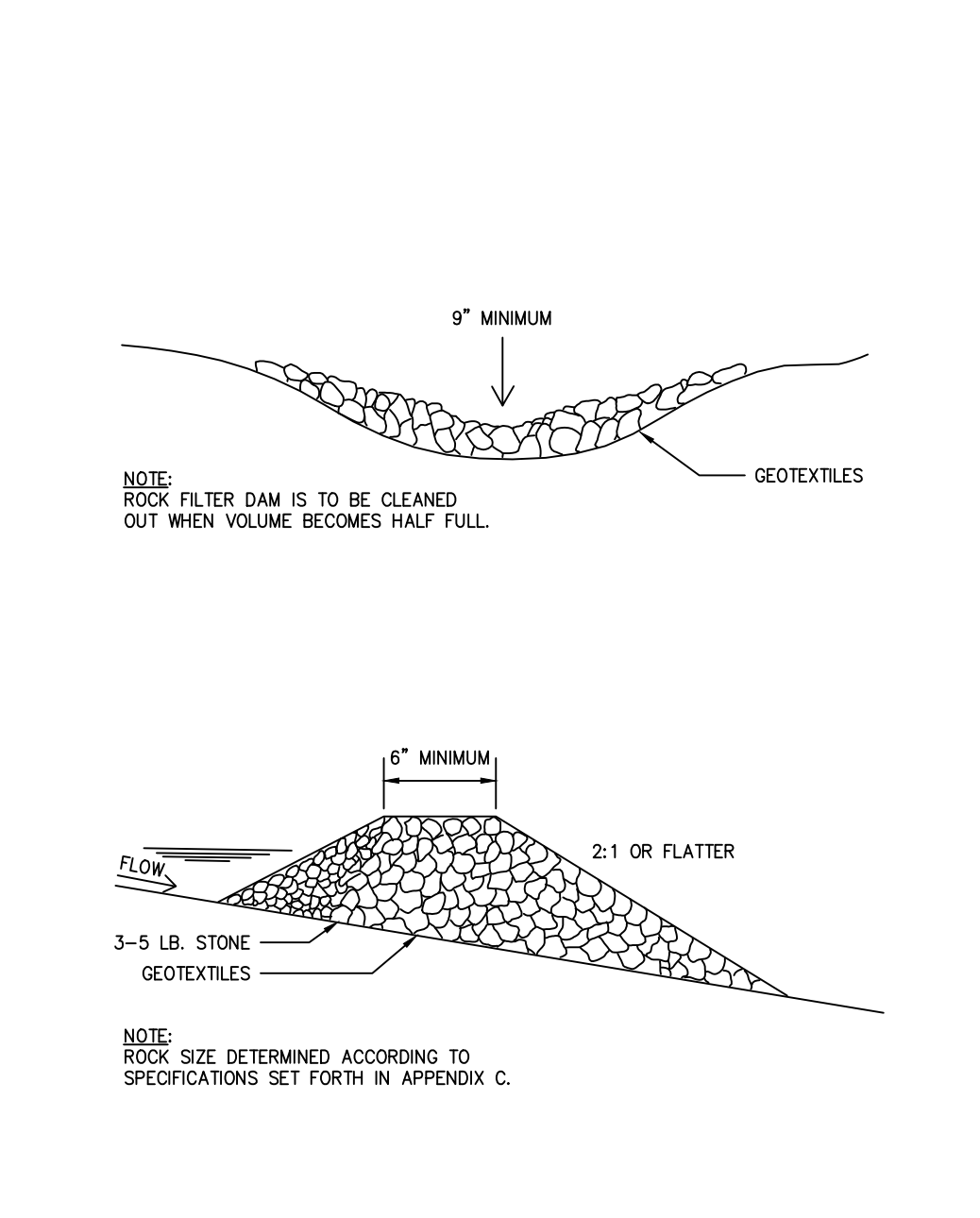
STONE FILTER RING



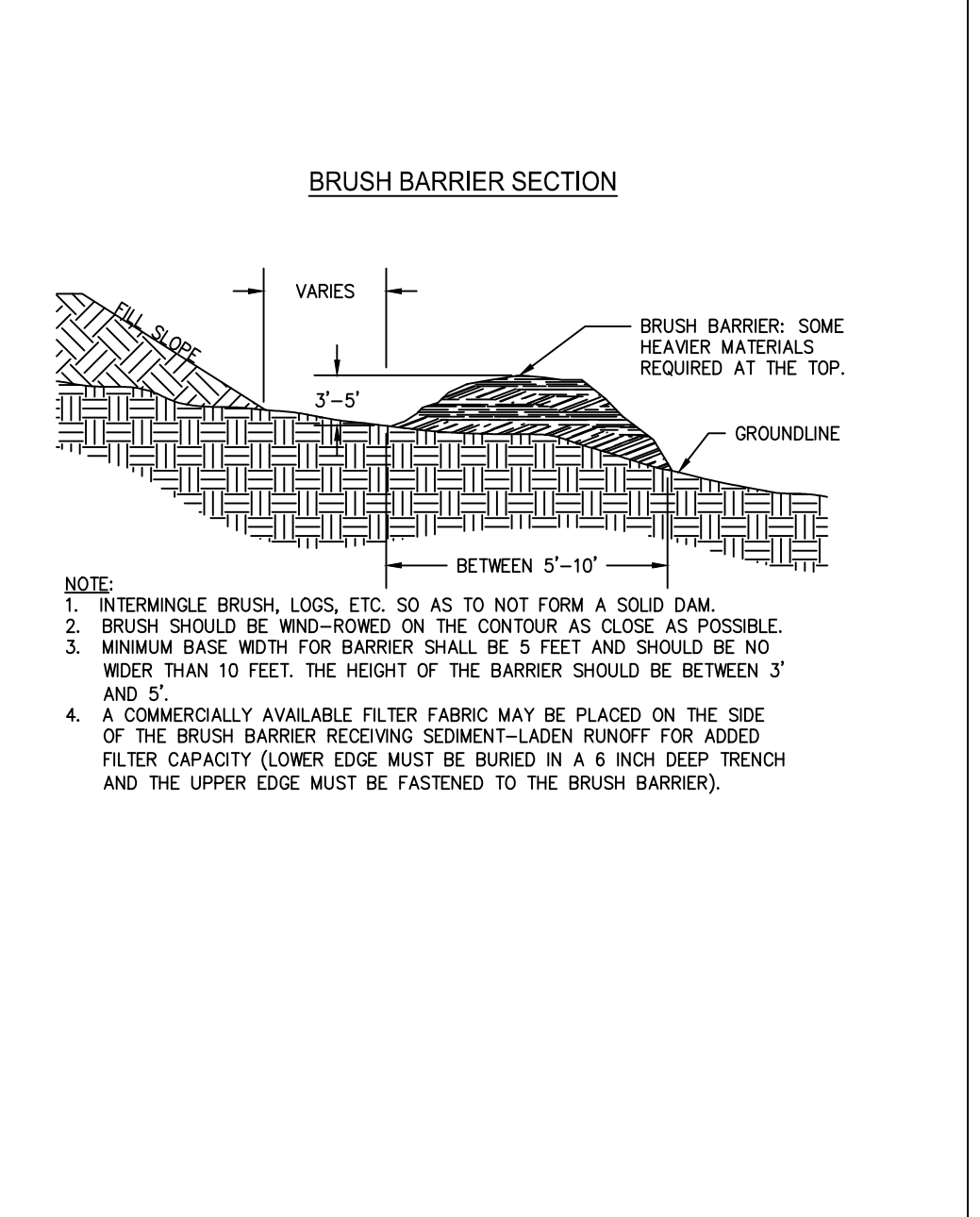
LEVEL SPREADER



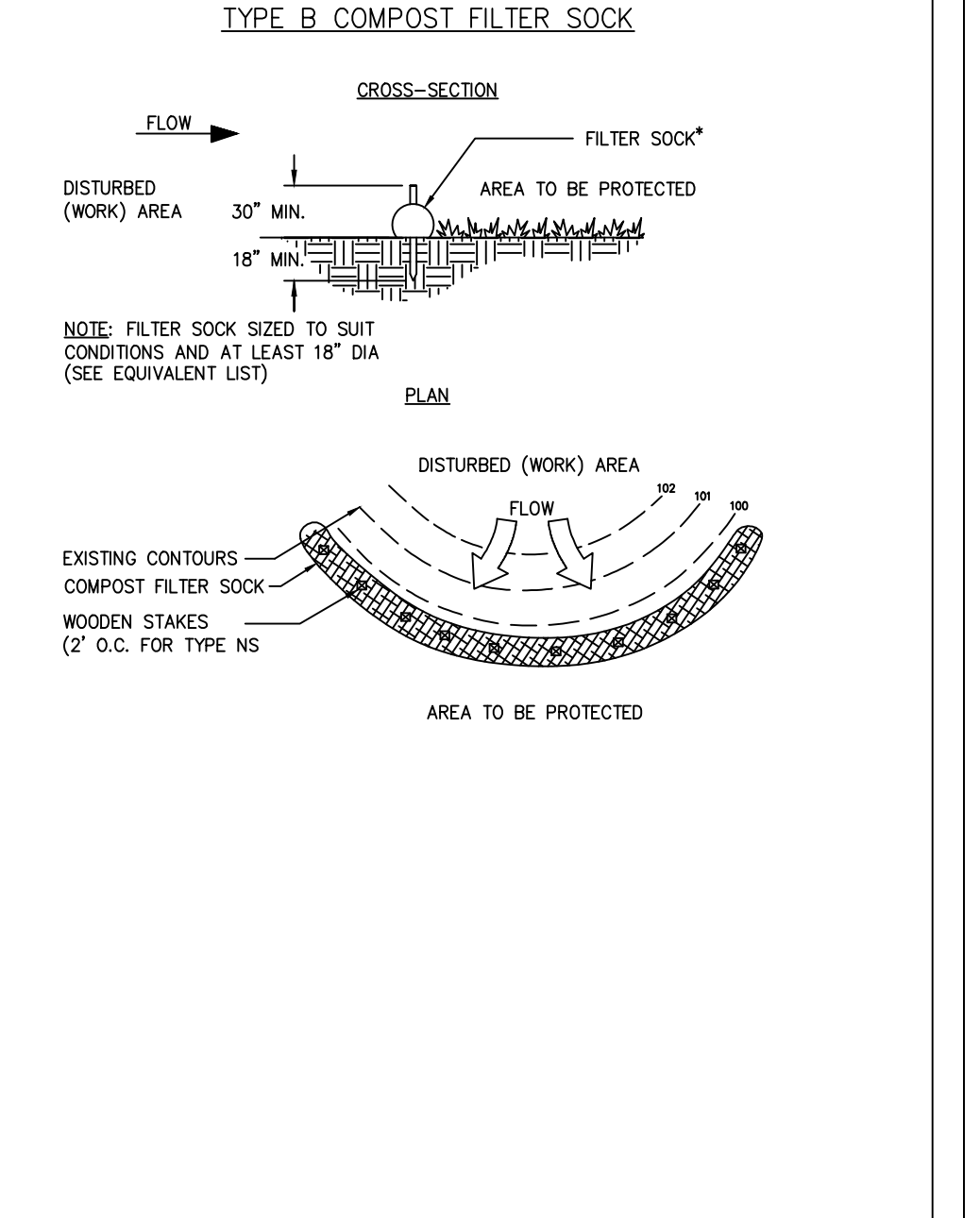
ROCK FILTER DAM



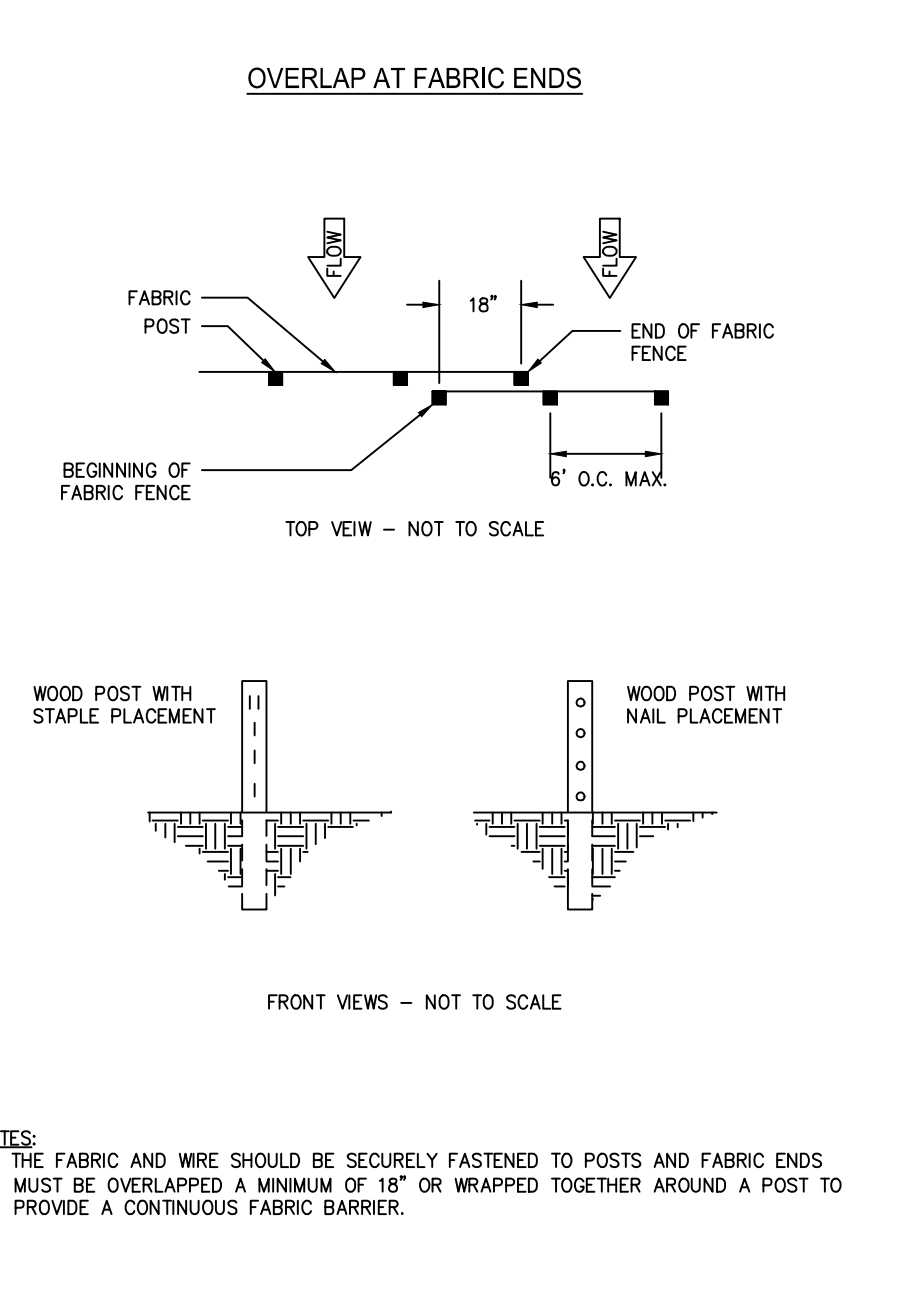
SEDIMENT BARRIERS



EROSION AND SEDIMENT CONTROL



FASTENERS FOR SILT FENCES



ENSITE CIVIL CONSULTING, LLC
 131 Prominence Court, Suite 230
 Dawsonville, GA 30534
 Mobile: 770-597-8813
 Contact: Corey Guthrie, PE, CFM
 Email: Corey.Guthrie@ensiteconsulting.com

OWNER/DEVELOPER:
DAWSON COUNTY PUBLIC WORKS
 60 TRANSPORTATION LANE
 DAWSONVILLE, GA 30534

PHONE: (706) 344-3500
EXT. 42227

24-HOUR CONTACT:
DAVID MCKEE
 (706) 344-3500 EXT. 42227
 EMAIL: dmckee@dawsoncounty.org

PROJECT:
HARRY SOSEBEE ROAD & LUMPKIN CAMPGROUND ROAD ROUNDABOUT

LOCATED IN:
 LAND LOTS 496, & 497
 13th DISTRICT, South SECTION,
 DAWSON COUNTY, GEORGIA

SHEET TITLE:
EROSION, SEDIMENTATION, & POLLUTION CONTROL DETAILS

GEORGIA811
 Utilities Protection Center, Inc.
 1-800-282-7411
 Know who's below. Call before you dig.

STAMP:
 GEORGIA REGISTERED PROFESSIONAL ENGINEER
 NO. 33949
 COREY GUTHRIE

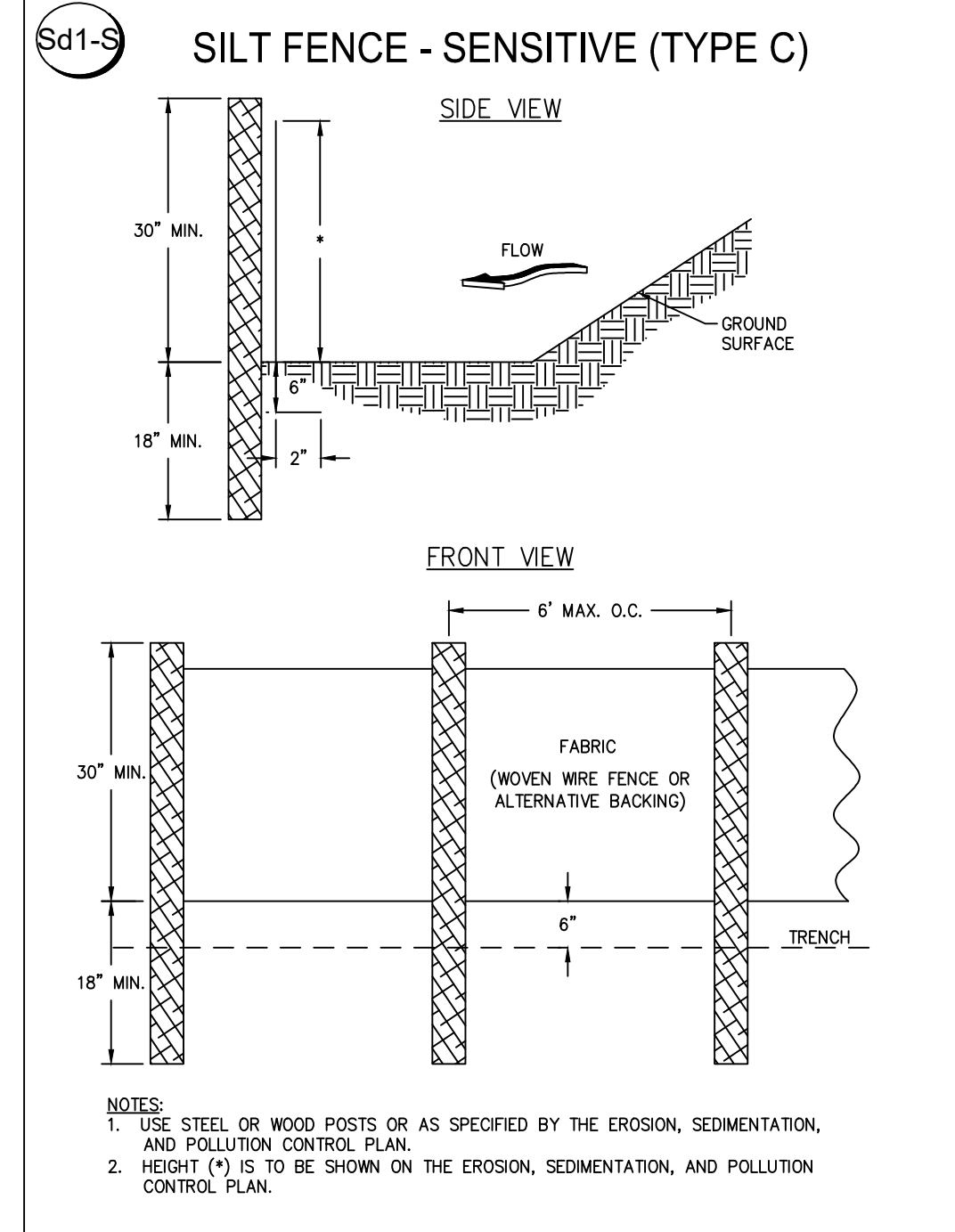
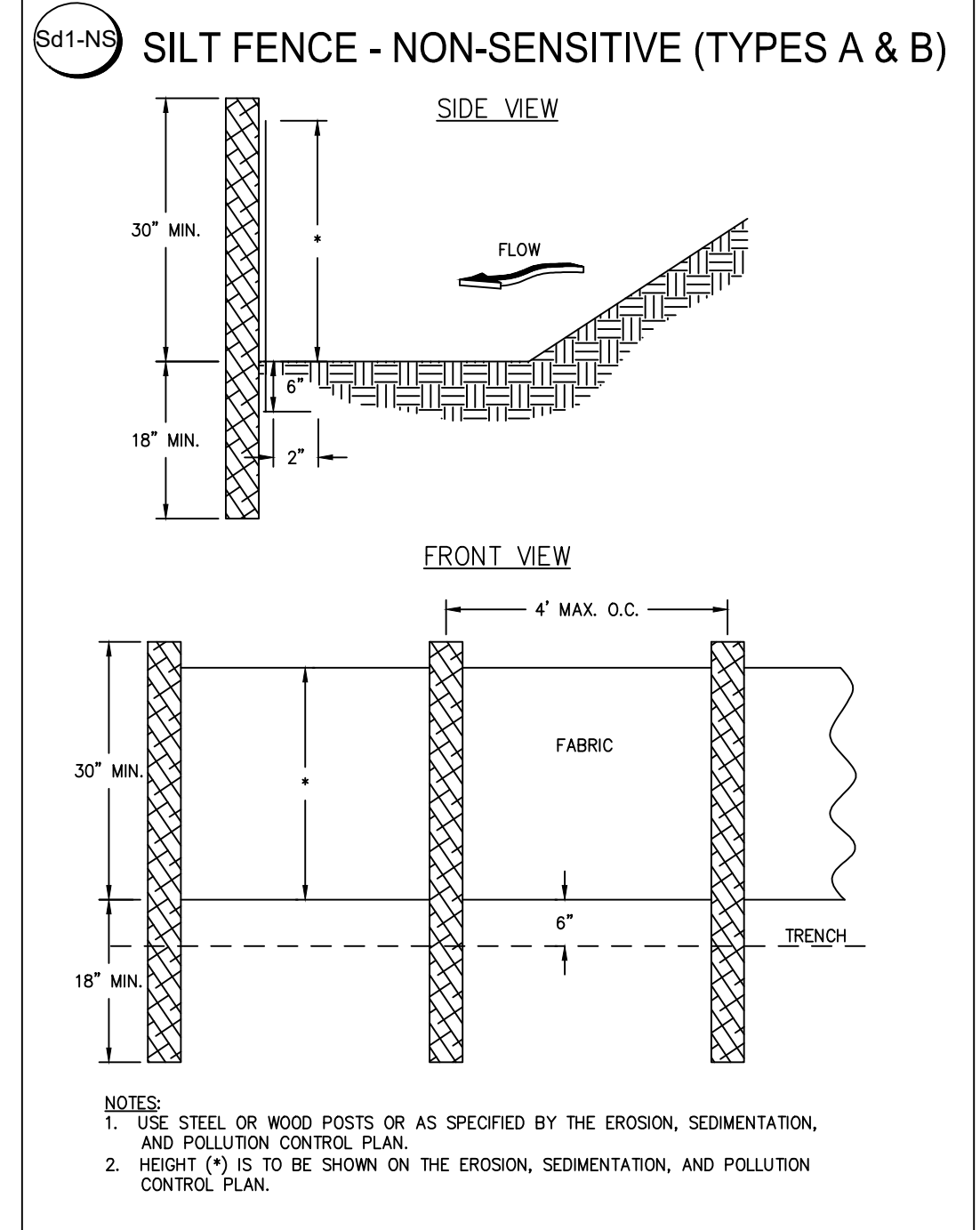
EXPIRES DECEMBER 31, 2020
 GSWCC CERT. # 000020671
 EXPIRES OCTOBER 21, 2021

DRAWING DATE: 2020-07-13

SHEET REVISIONS

NO.	DESCRIPTION	DATE
1	ADD PLUNGE POOLS M & N,	05/29/20
2	CONVERT STORM LINE Y TO ARCH CULVERT	
3	REVISE RW ON PROPERTY 107 053,	07/13/20
4	ADD FENCE & LANDSCAPING, CONVERT LINE W TO ARCH CULVERT & ADD DETAILS	

SHEET: G6.06



C-POP Sediment Barrier System

The Only DOT Approved alternate to Type C Silt Fence

C-POP (Polypropylene On Polypropylene) Silt Fence is a unique silt fence system designed as an alternative to Type C Silt Fence (steel posts with wire reinforcement). This silt fence system is designed to be used as a temporary sediment barrier structure for use in areas where runoff flows or velocities are particularly high or where slopes exceed a vertical height of 10 feet or other situations where high performance erosion control is warranted.

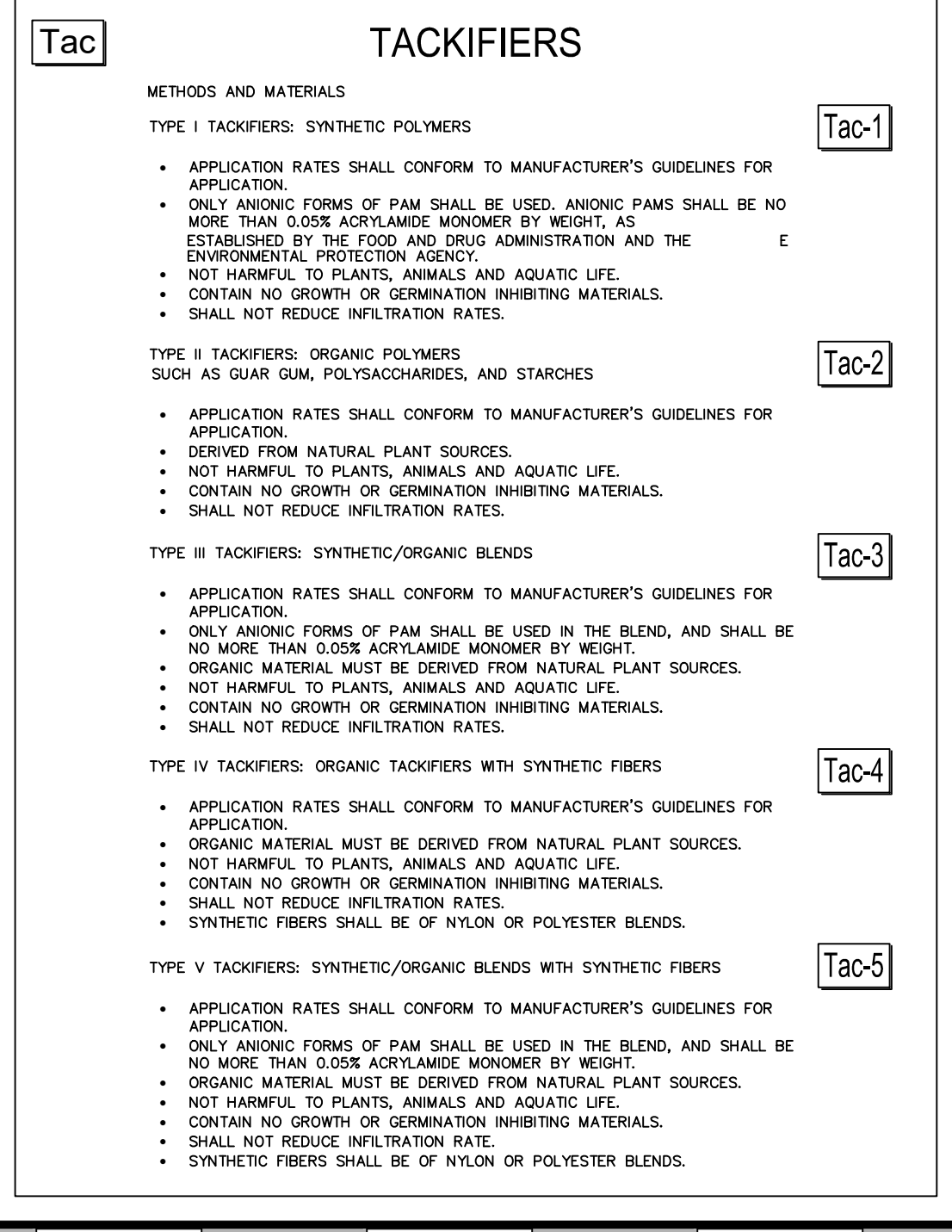
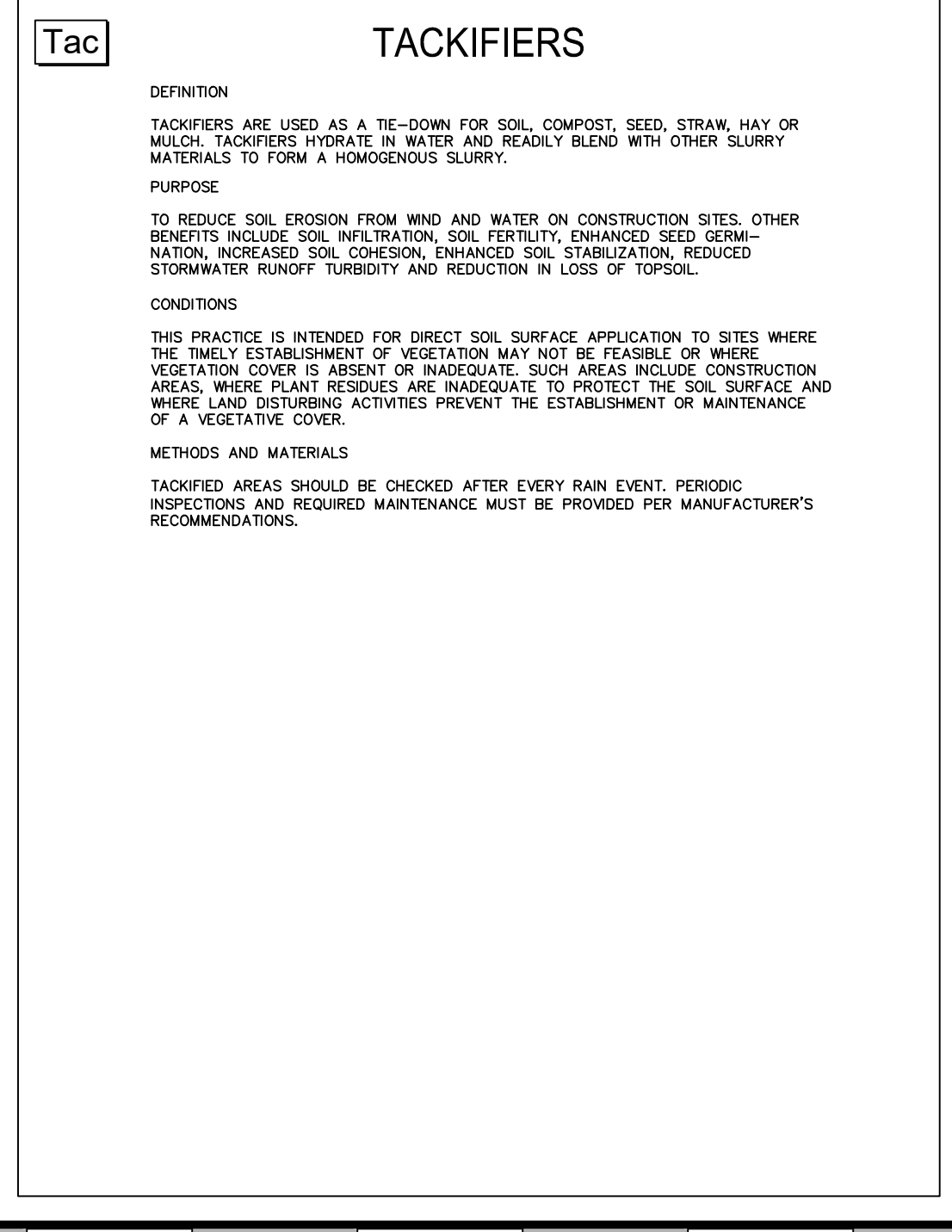
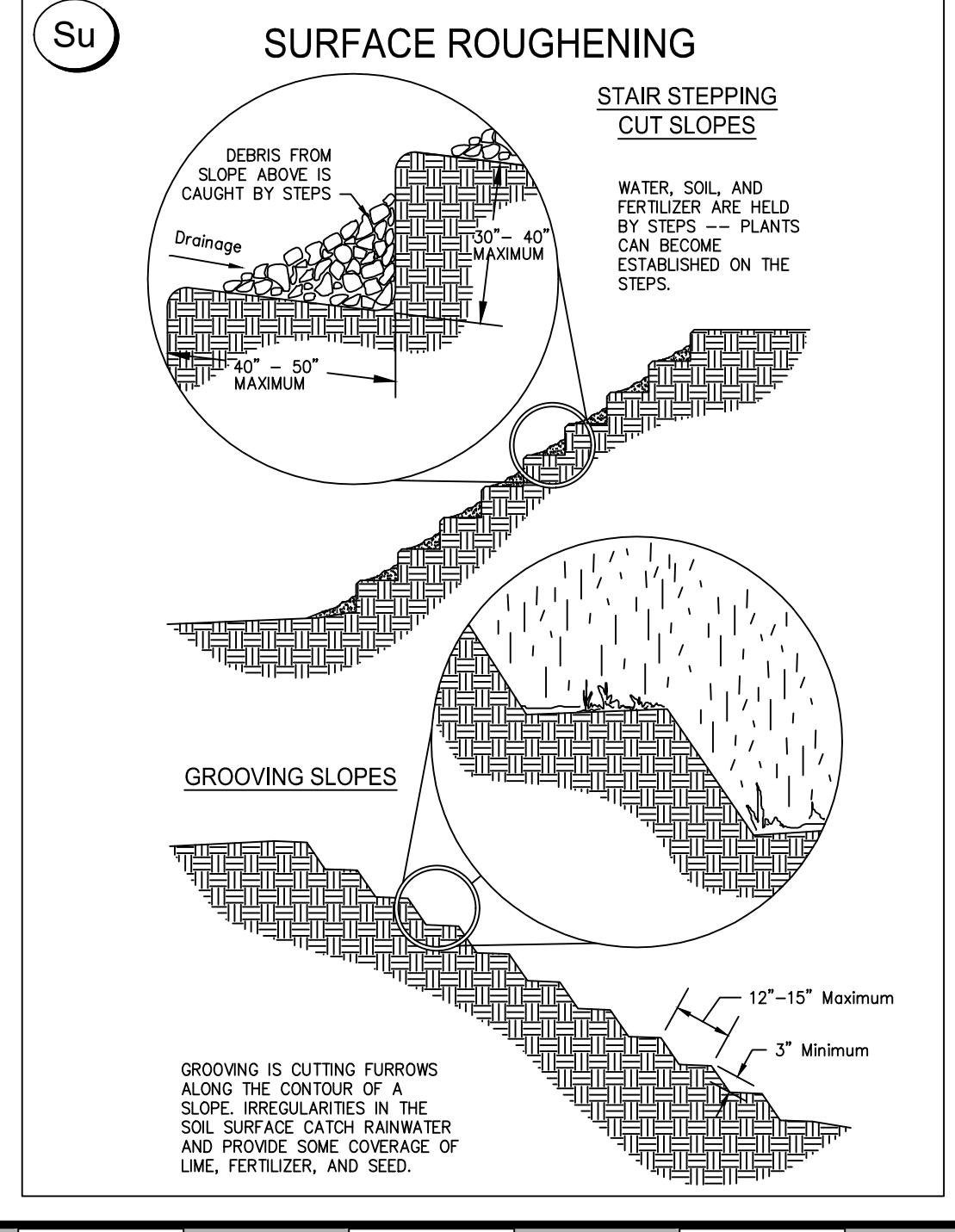
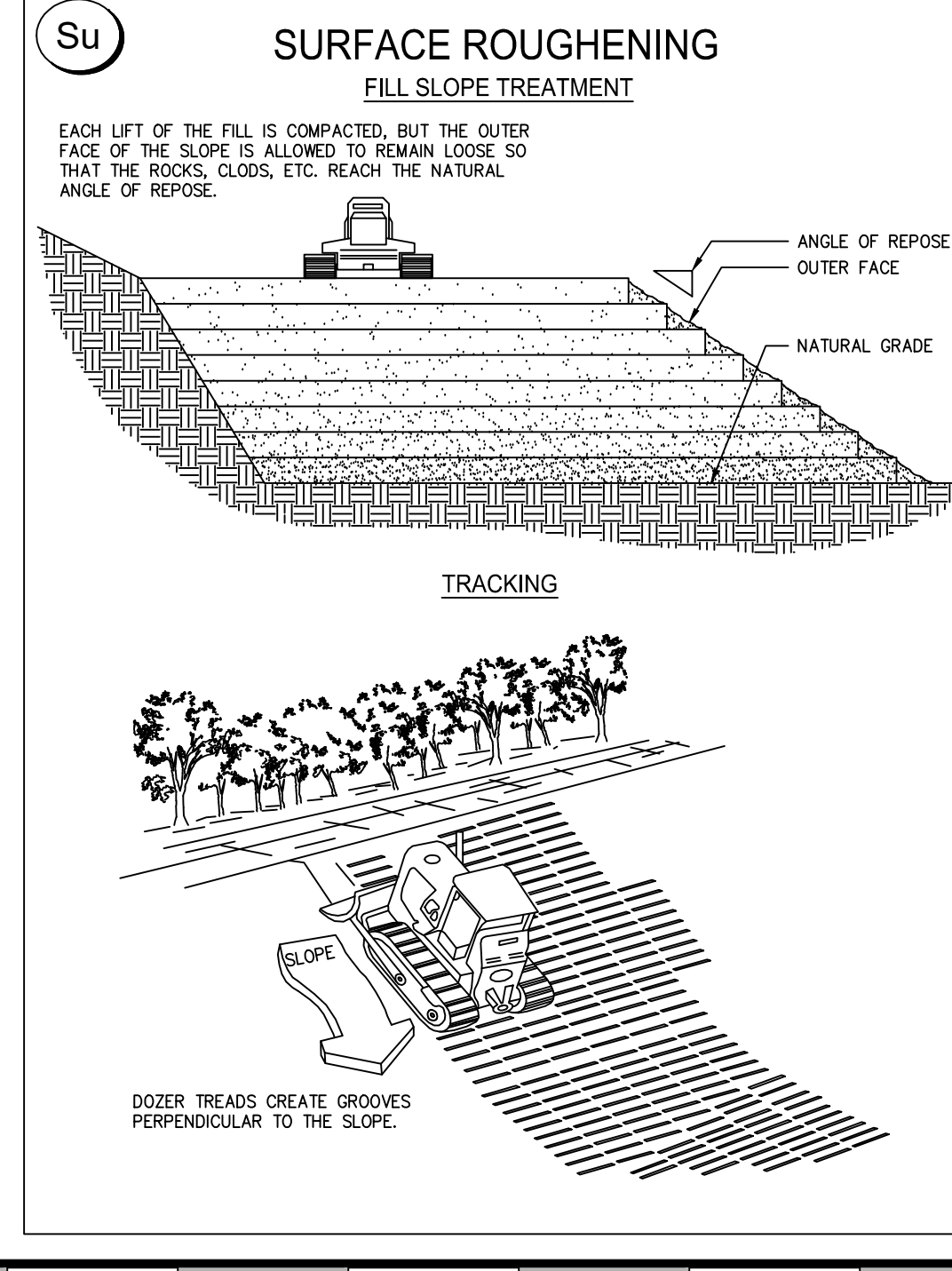
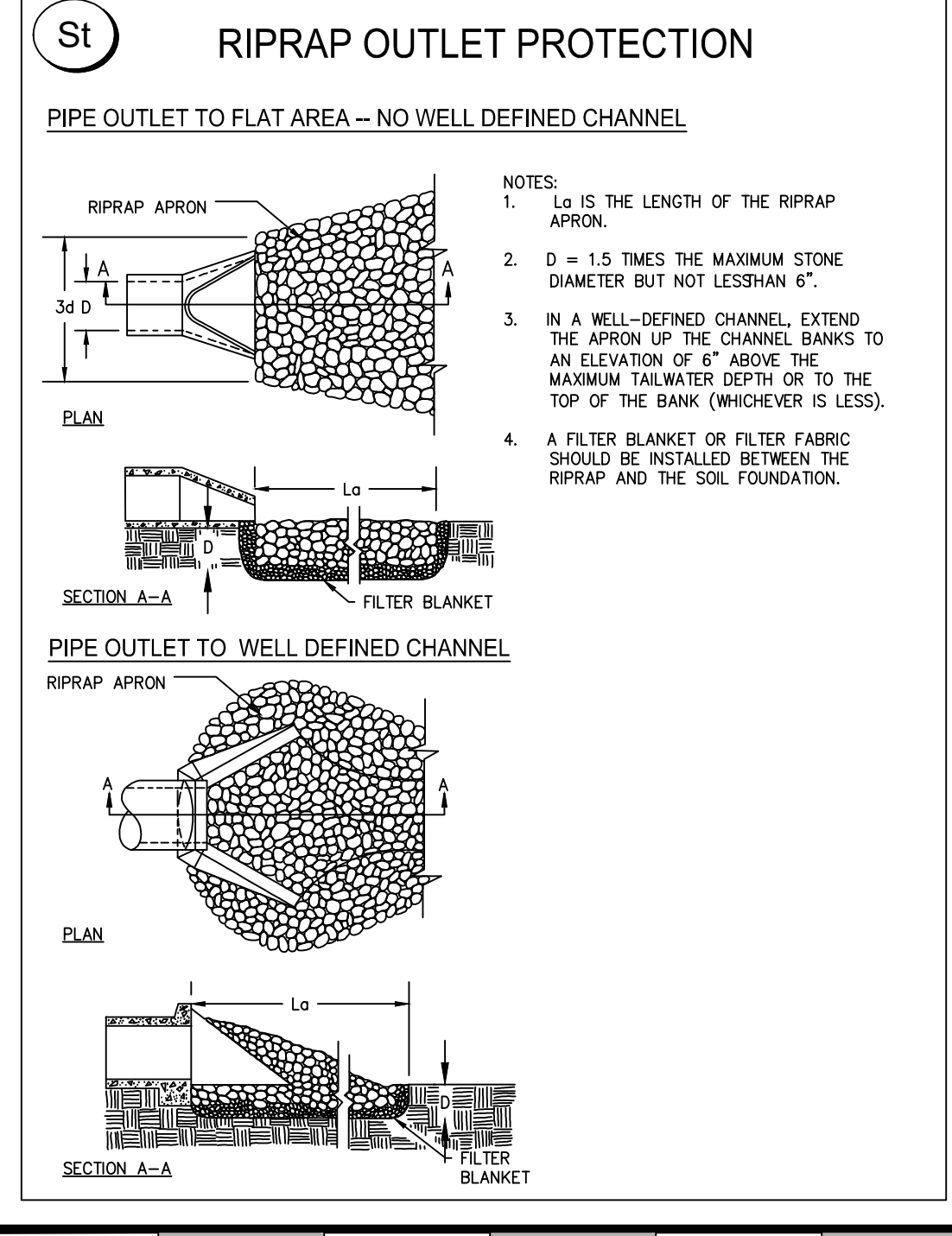
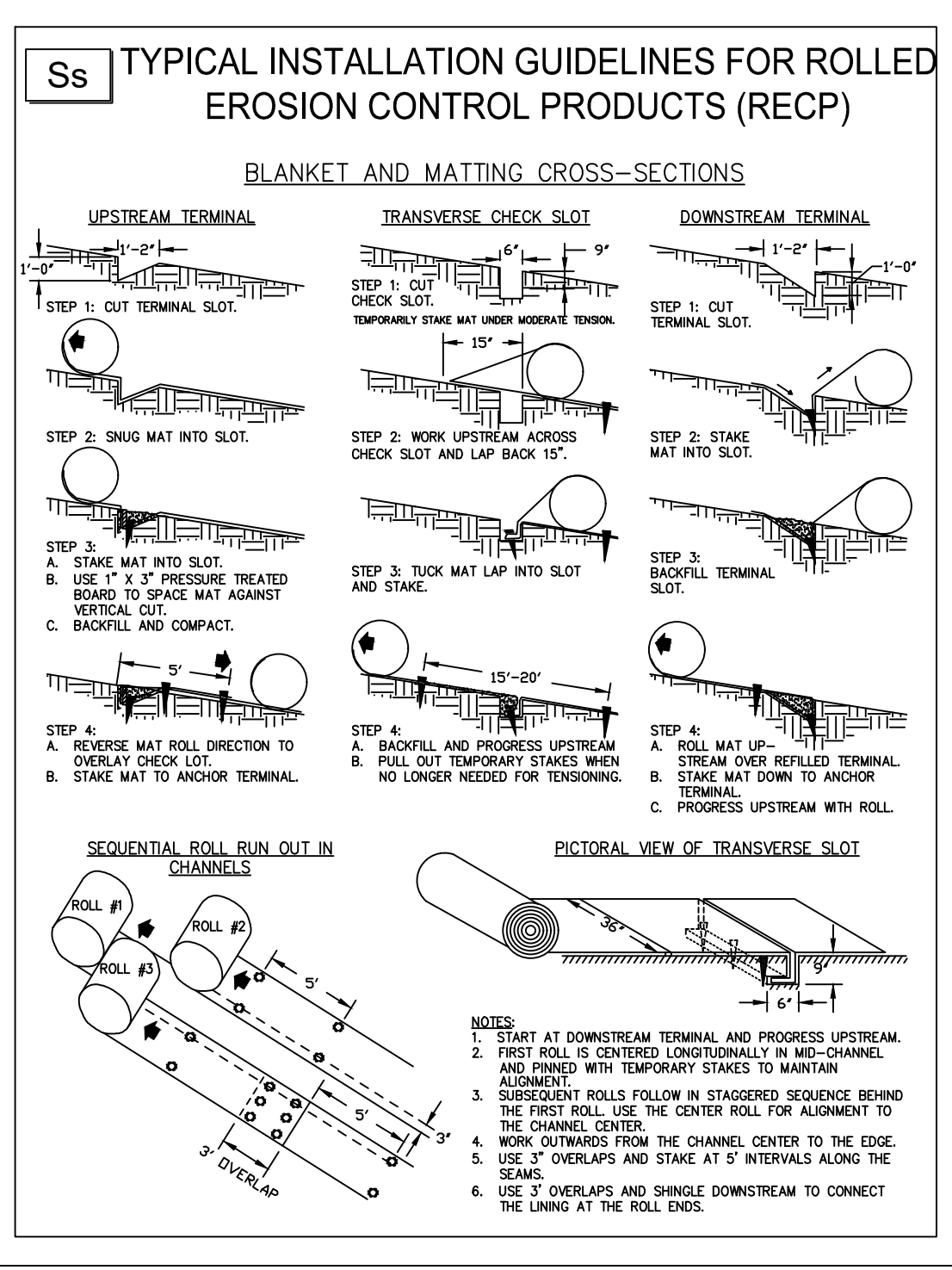
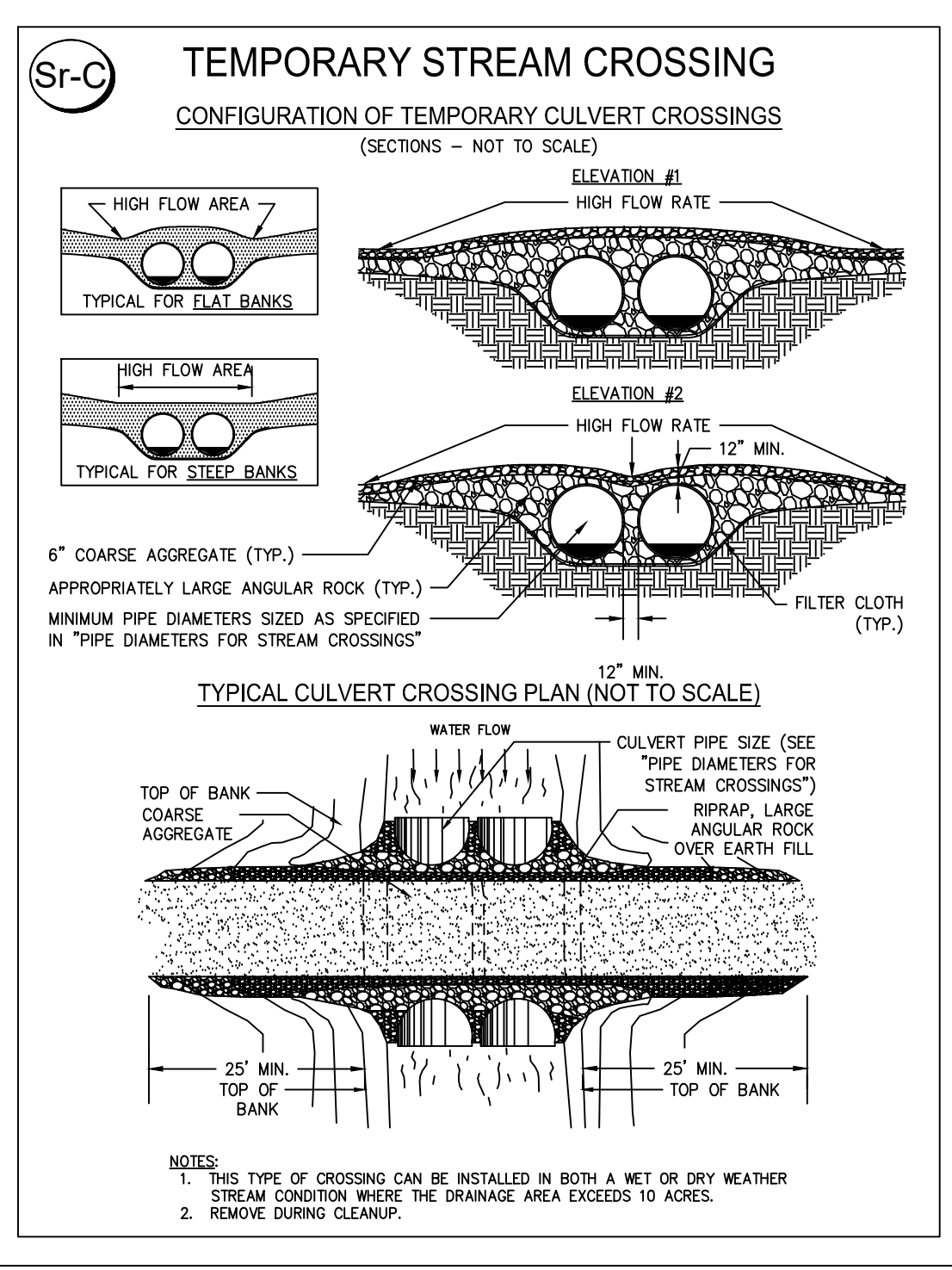
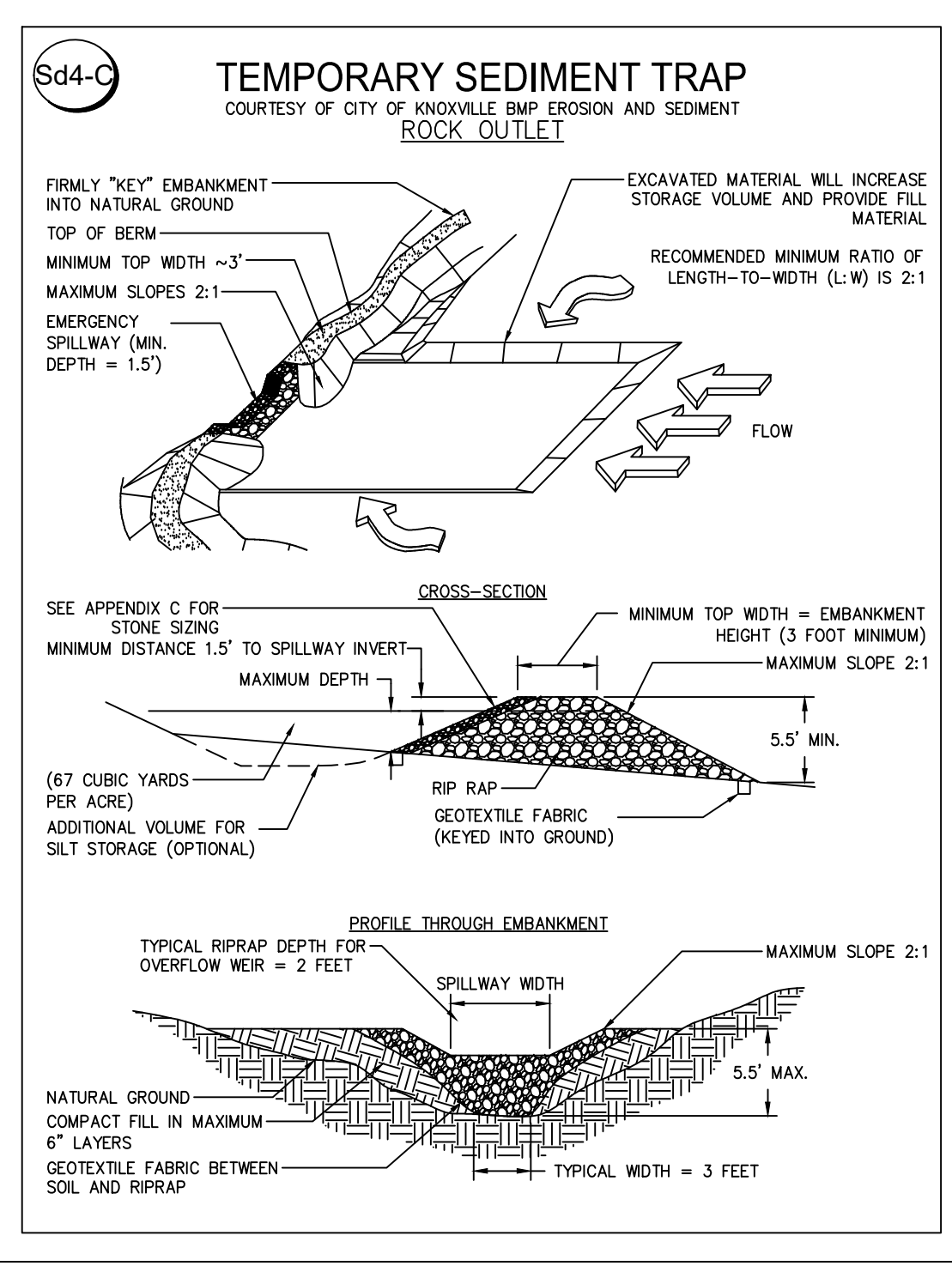
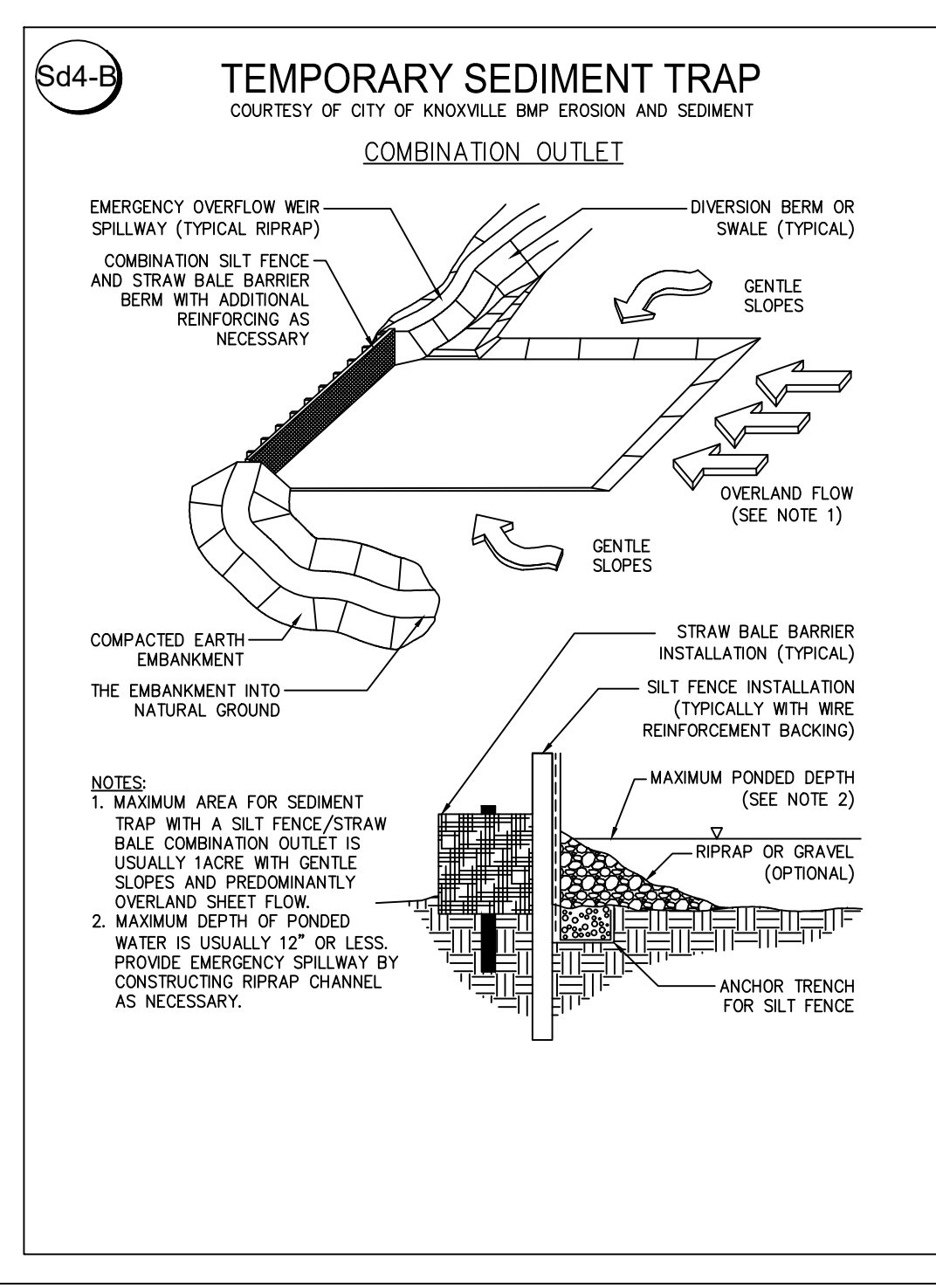
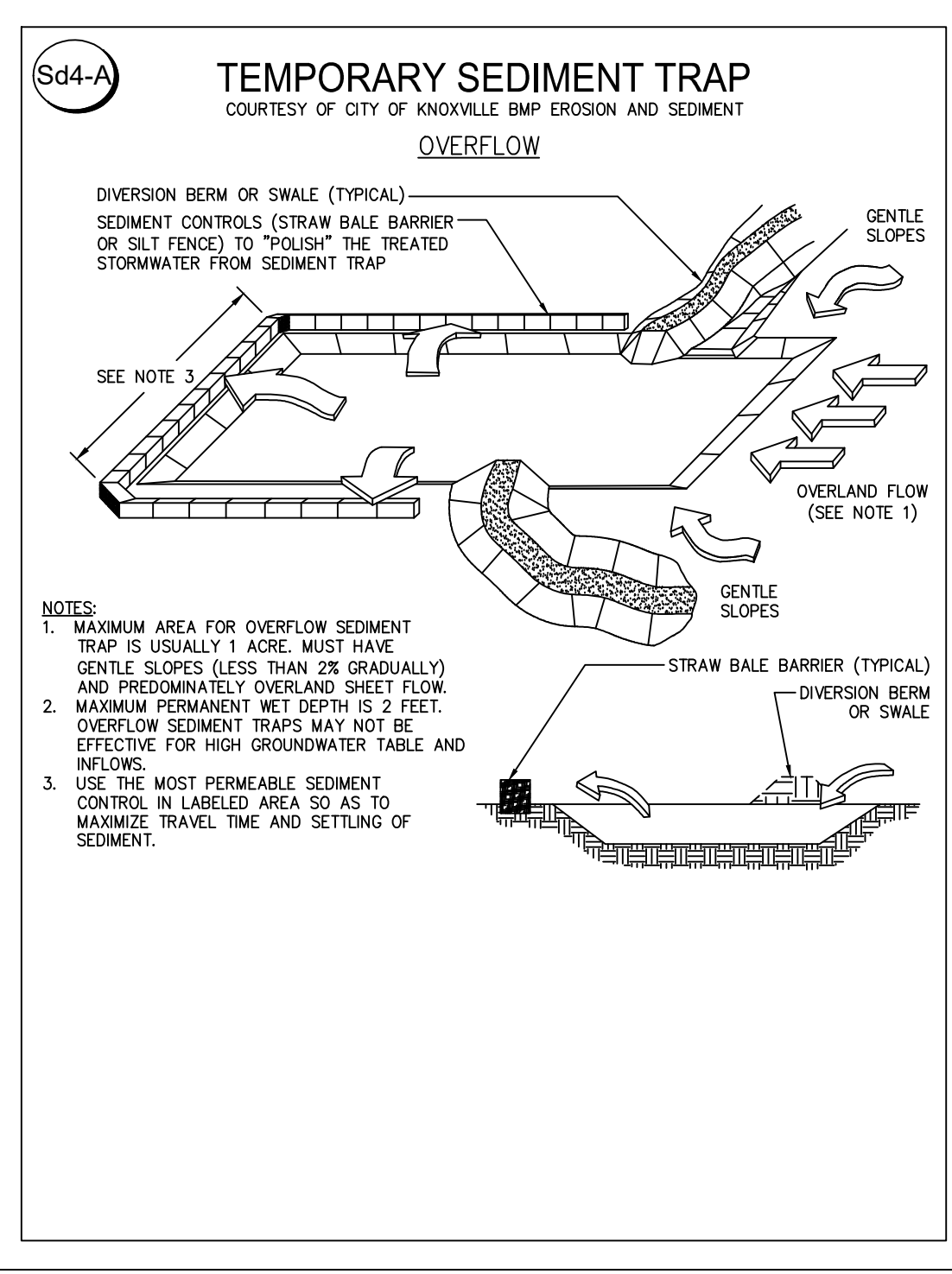
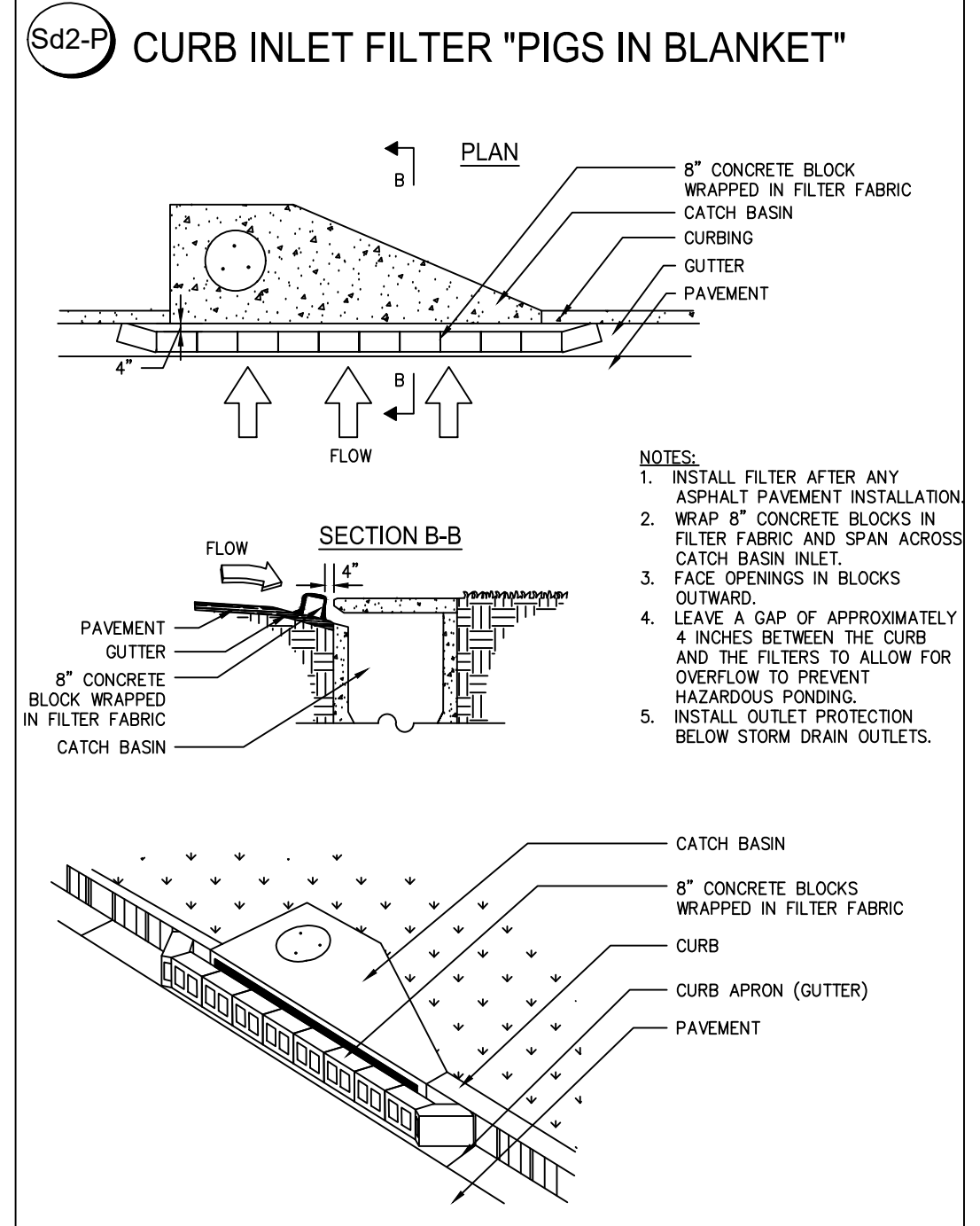
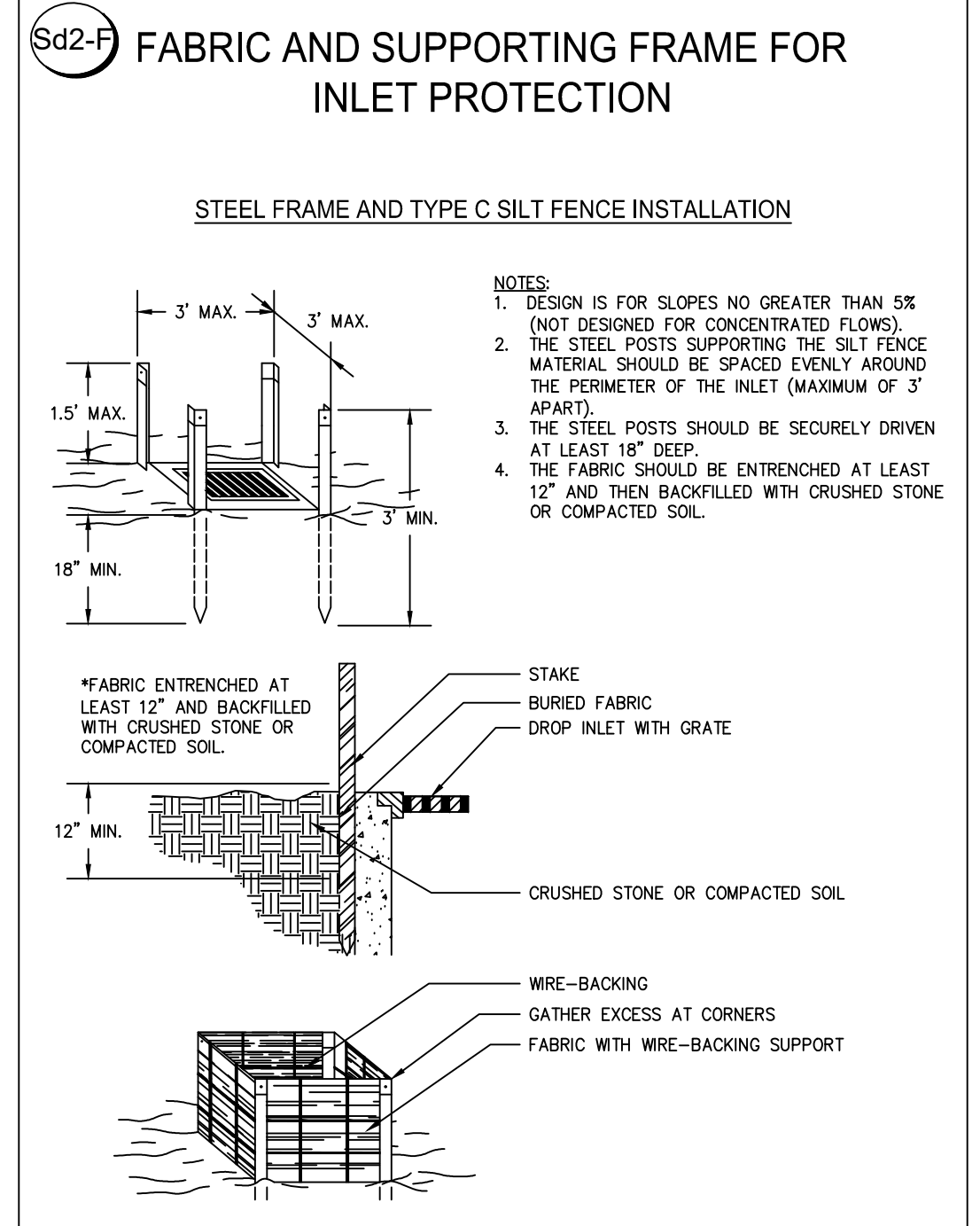
Construction: This sediment barrier system combines high flow, GA-D.O.T. and GSWC approved, sediment retention fabric, seven together with a heavy duty, high performance polypropylene reinforcement grid. The posts are pre-attached to the reinforced fabric four feet apart by a specially designed staple pattern. The posts consist of a hard wood stake measuring no less than four feet in length by 2 inches by 2 inches. The fabric and the reinforcement grid, bound together, are thirty six inches in height and designed to be trenched into the ground together, up to six inches.

Installation: A six inch trench is dug where silt fence is to be placed. The posts are driven into the ground to a depth that allows the first marker line on the fabric to reach the top of the trench, or ground level. This should place the fabric six inches into the ground or trench. Continue to drive all of the posts to the same depth keeping fabric stretched and tight. Back fill the trench with remaining soil.

Physical Properties of CFG Style GFF, GA D.O.T. and GSWC approved Filter Fabric:

Property	Test Method	ASTM	Min Avg Rd Value
Tensile Strength (Warp x Fill)	ASTM D-4632	295	260 lb x 180 lb
Elongation	ASTM D-4632	25%	
Moisture Content	ASTM D-3769	2500 psi	
Puncture	ASTM D-4833	120 lb	
Trapezoidal Tear	ASTM D-4533	65 lb	
UV Resistance	ASTM D-4355	80% @ 500 hrs	
ACS	ASTM D-4751	83	
Flow Rate	ASTM D-4641	70 Gal/Min/Sq Ft	
Fungus Resistance	ASTM G-21	0 Growth	
Width		36 inch	
Physical Properties of Convent	R20255-XXX Reinforcement	1.646	
Average Weight	ASTM D-3776	10.2 ±0.05	
Average Strand Count	ASTM D-3775	9.0 ±.1 per 10' MD	
Average Tensile Strength	ASTM 1682	MD+ 57.0 ±9.0 @ 1/3 Strands	
Color		Black	
Resin		Polypropylene	

For more information, contact:
 105 Plant Camella Road, 314-C Industrial Park Drive
 Juliette, GA 31046, Waynesville, NC 28786
 478.994.6009, 828.452.6500



ENSITE

CIVIL CONSULTING, LLC
 131 Prominence Court, Suite 230
 Dawsonville, GA 30534
 Mobile: 770-597-8813
 Contact: Corey Guthrie, PE, CFM
 Email: Corey.Guthrie@ensiteconsulting.com

OWNER/DEVELOPER:
DAWSON COUNTY PUBLIC WORKS
 60 TRANSPORTATION LANE
 DAWSONVILLE, GA 30534

PHONE: (706) 344-3500
EXT. 42227

24-HOUR CONTACT:
DAVID MCKEE
 (706) 344-3500 EXT. 42227
 EMAIL: dmckee@dawsoncounty.org

PROJECT:
HARRY SOSEBEE ROAD & LUMPKIN CAMPGROUND ROAD ROUNDABOUT

LOCATED IN:
 LAND LOTS 496, & 497
 13th DISTRICT, South SECTION,
 DAWSON COUNTY, GEORGIA

SHEET TITLE:
EROSION, SEDIMENTATION, & POLLUTION CONTROL DETAILS

Utilities Protection Center, Inc.
 1-800-282-7411
 Know Who's Below.
 Call before you dig.

STAMP:

EXPIRES DECEMBER 31, 2020
 GSWCC CERT. # 0000020671
 EXPIRES OCTOBER 21, 2021

DRAWING DATE: 2020-07-13

NO.	DESCRIPTION	DATE
1	ADD PLUNGE POOLS M & N,	05/29/20
2	CONVERT STORM LINE Y TO ARCH CULVERT	
3	REVISE RW ON PROPERTY 107 053.	07/13/20
4	ADD FENCE & LANDSCAPING, CONVERT LINE W TO ARCH CULVERT & ADD DETAILS	

SHEET:
G6.07

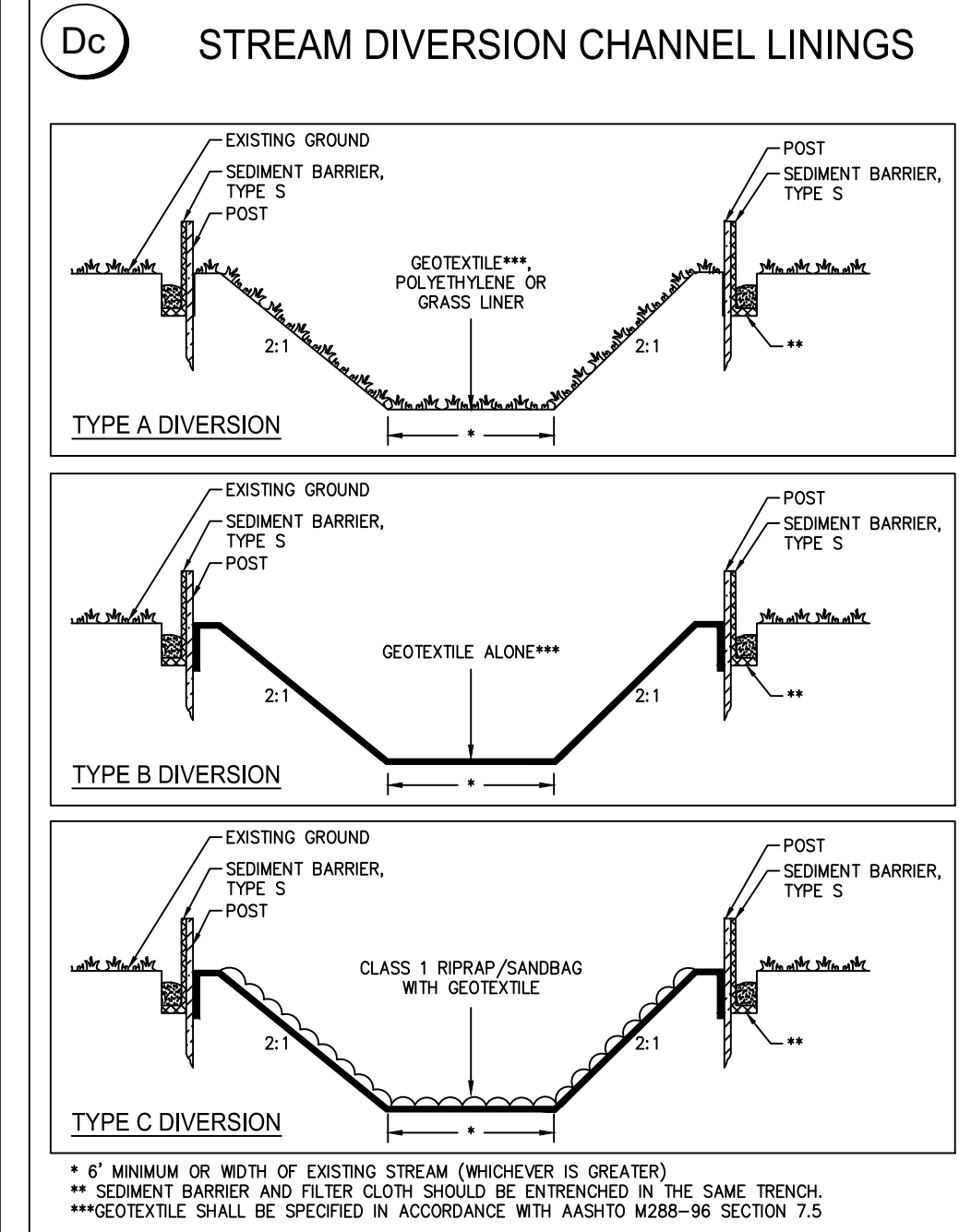
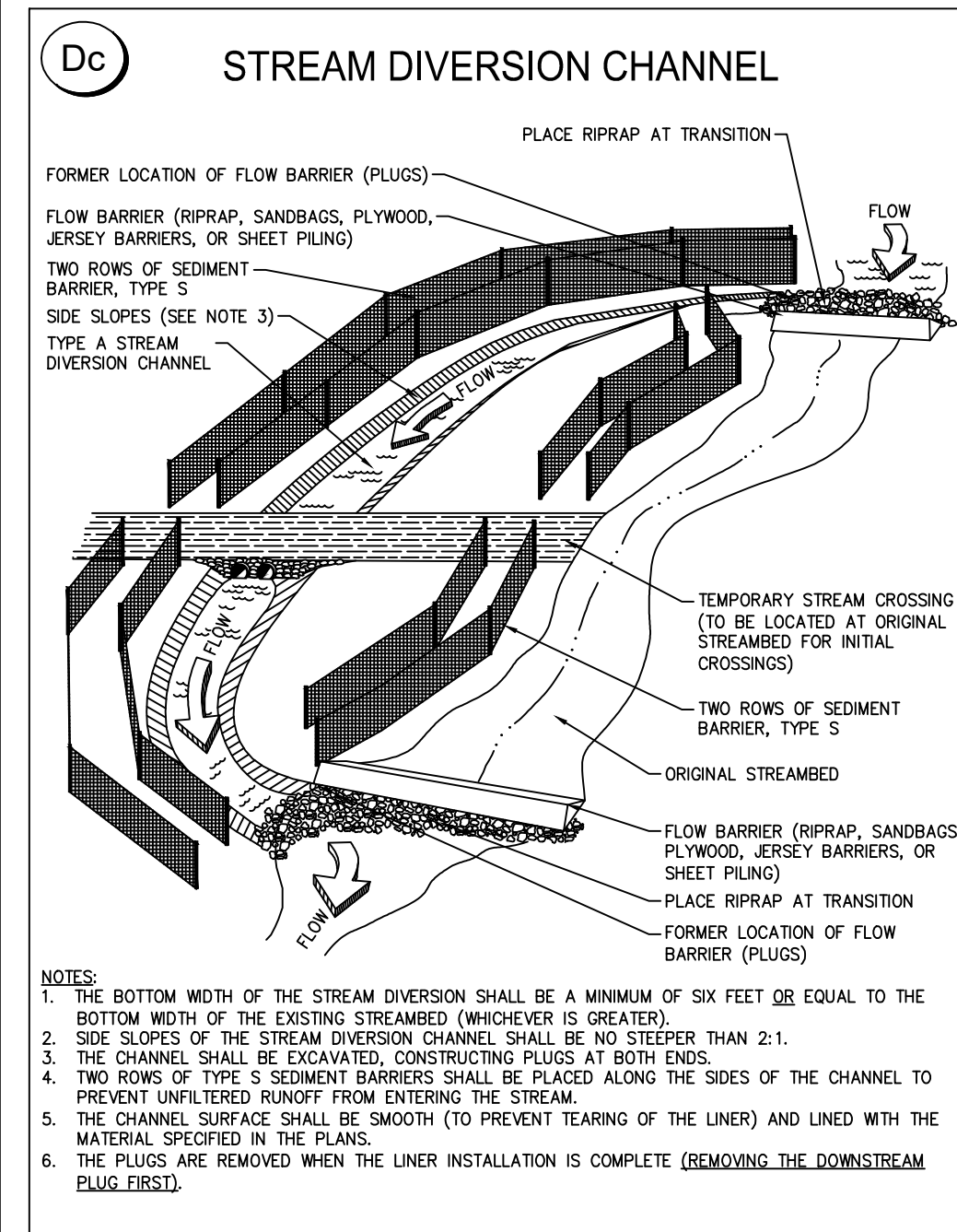
ESP&C NOTES

- PETROLEUM STORAGE SHALL BE DONE IN ACCORDANCE WITH ONE OF THE FOLLOWING METHODS TO PREVENT STORMWATER DISCHARGES ON SITE:
 - ALL PETROLEUM STORAGE CONTAINERS SHALL BE COVERED WITH PLASTIC SHEETING OR BE LOCATED UNDER A TEMPORARY ROOF.
 - ALL PETROLEUM STORAGE CONTAINERS SHALL BE LOCATED IN A SECONDARY CONTAINMENT AREA.
- SENSITIVE AREAS:
 - MULCH IS ENCOURAGED TO BE USED IN BETWEEN THE ROWS OF SILT FENCE AT STREAM CROSSING AND ANY OTHER AREAS ADJACENT TO THE STREAM BUFFER THAT RECEIVE CONCENTRATED FLOWS.

DISTURBED AREA
 1.5 AC DISTURBED
 1.5 AC SITE AREA

MAP UNIT SYMBOL	MAP UNIT NAME	SLOPE	NOTE
AmC2	Appling sandy loam	6% - 10%	moderately eroded
AwB	Augusta fine sandy loam	2% - 6%	
AwC	Augusta fine sandy loam	6% - 10%	
CaC	Cartecoy complex	0% - 2%	frequently flooded
CaN	Congaree and Starr soils		
H1B	Hayesville sandy loam	2% - 6%	
H1C	Hayesville sandy loam	6% - 10%	
H1E	Hayesville sandy loam	10% - 25%	
H1J3	Hayesville sandy clay loam	6% - 10%	severely eroded
H1E3	Hayesville sandy clay loam	10% - 25%	severely eroded
HKC3	Hayesville and Rabun clay loams	6% - 10%	severely eroded
HLD	Hayesville and Rabun loams	10% - 15%	severely eroded
MCE	Musella cobbly loam	6% - 25%	
MoB2	Mosada fine sandy loam	2% - 6%	eroded
MoC2	Mosada fine sandy loam	6% - 10%	eroded
MoD2	Mosada fine sandy loam	10% - 15%	eroded
MuE2	Musella gravelly clay loam	10% - 25%	eroded
RaE	Rabun loam	15% - 25%	
RbD3	Rabun clay loam	10% - 15%	severely eroded
TbE	Talapoosa cobbly fine sandy loam	6% - 25%	
Toc	Toccoa sandy loam	0% - 2%	occasionally flooded
Wed	Wehachie soils	0% - 2%	frequently flooded

LIMIT OF ROUND-ABOUT CONSTRUCTION (STA 1+81.05); SEE "SUBDIVISION & ROAD REALIGNMENT PLANS FOR PIEDMONT TRACT SUBDIVISION" FOR HARRY SOSEBEE ROAD REALIGNMENT PLANS AND FUTURE CONNECTION



ENSITE CIVIL CONSULTING, LLC
 131 Prominence Court, Suite 230
 Dawsonville, GA 30534
 Mobile: 770-597-8813
 Contact: Corey Guthrie, PE, CFM
 Email: Corey.Guthrie@ensiteconsulting.com

OWNER/DEVELOPER:
DAWSON COUNTY PUBLIC WORKS
 60 TRANSPORTATION LANE
 DAWSONVILLE, GA 30534

PHONE: (706) 344-3500
EXT. 42227

24-HOUR CONTACT:
DAVID MCKEE
 (706) 344-3500 EXT. 42227
 EMAIL: dmckee@dawsoncounty.org

PROJECT:
HARRY SOSEBEE ROAD & LUMPKIN CAMPGROUND ROAD ROUNDABOUT

LOCATED IN:
 LAND LOTS 496, & 497
 13th DISTRICT, South SECTION,
 DAWSON COUNTY, GEORGIA

SHEET TITLE:
INITIAL PHASE EROSION, SEDIMENTATION, & POLLUTION CONTROL PLAN

GEORGIA811
 Utilities Protection Center, Inc.
 1-800-282-7411
 Know what's below. Call before you dig.

STAMP:

GEORGIA REGISTERED PROFESSIONAL ENGINEER
 NO. 33949
COREY RYSON GUTHRIE

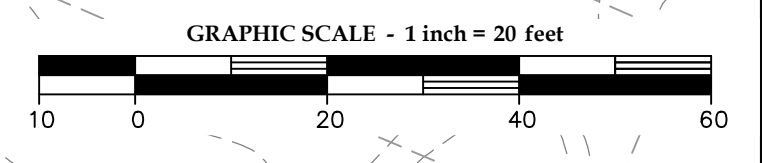
EXPIRES DECEMBER 31, 2020
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 EXPIRES OCTOBER 21, 2021

DRAWING DATE: 2020-07-13

SHEET REVISIONS

NO.	DESCRIPTION	DATE
1	ADD PLUNGE POOLS M & N,	05/29/20
2	CONVERT STORM LINE Y TO ARCH CULVERT	
3	REVISE RW ON PROPERTY 107 053,	07/13/20
4	ADD FENCE & LANDSCAPING, CONVERT LINE W TO ARCH CULVERT & ADD DETAILS	

SHEET: G6.08



Grid North (GA West Zone)

ESP&C NOTES

- PETROLEUM STORAGE SHALL BE DONE IN ACCORDANCE WITH ONE OF THE FOLLOWING METHODS TO PREVENT STORMWATER DISCHARGES ON SITE:
 - ALL PETROLEUM STORAGE CONTAINERS SHALL BE COVERED WITH PLASTIC SHEETING OR BE LOCATED UNDER A TEMPORARY ROOF.
 - ALL PETROLEUM STORAGE CONTAINERS SHALL BE LOCATED IN A SECONDARY CONTAINMENT AREA.
- SENSITIVE AREAS:
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DISTURBED AREA
 1.5 AC DISTURBED
 1.5 AC SITE AREA

RIP RAP (S) CHART

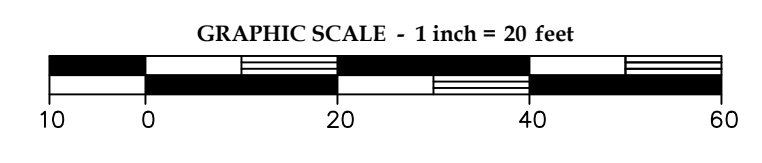
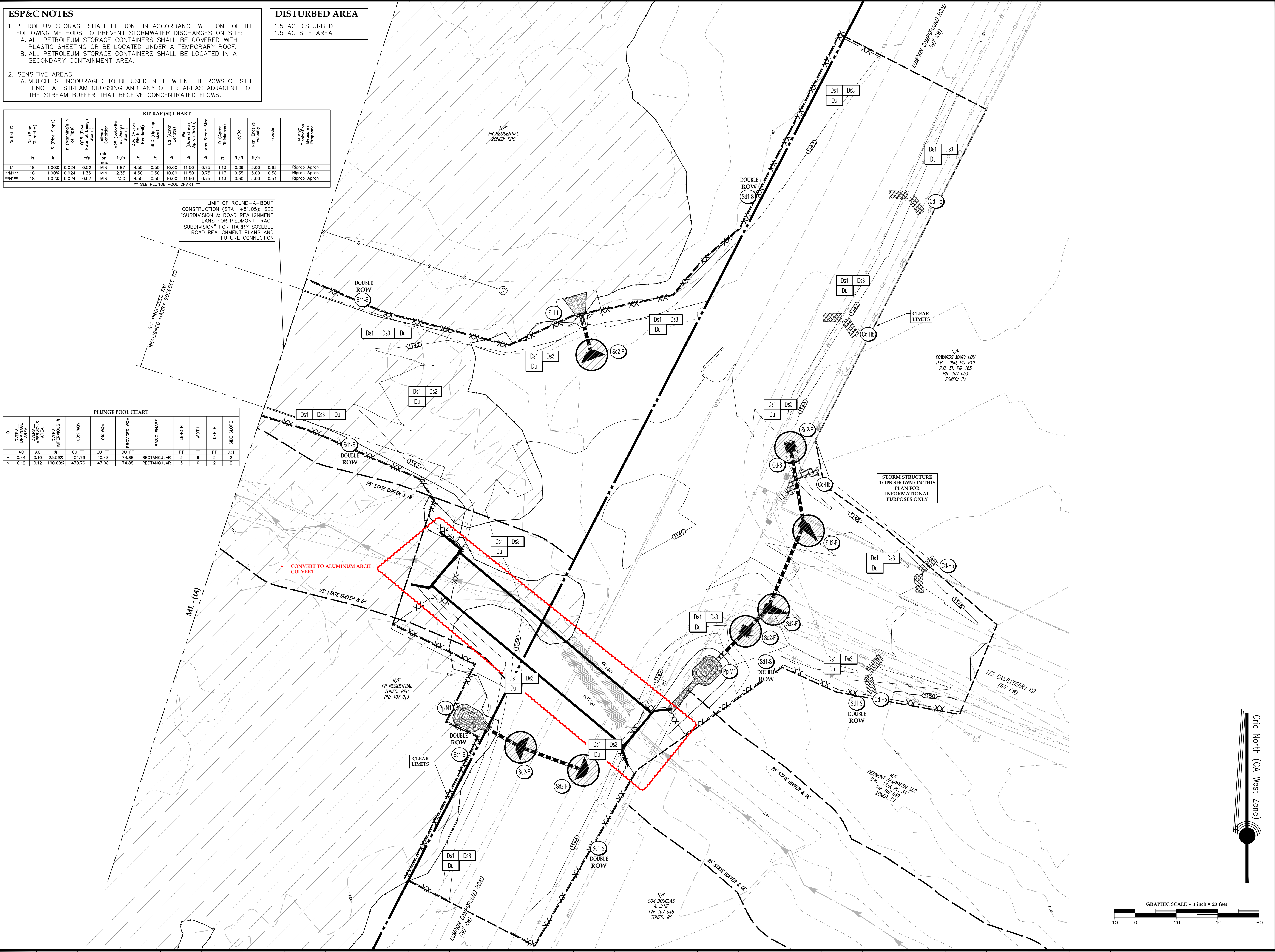
Outlet ID	Ds (Pipe Diameter)	S (Pipe Slope)	n (Manning's n of Pipe)	Q25 (Flow Rate of Design)	V25 (Velocity at Design)	V30 (Velocity at Storm)	g50 (Pipe Size)	La (Acron Length)	Wc (Downstream Apron Width)	Max Stone Size	D (Apron Diameter)	d/Da	Non-Erosive Velocity	Fronda	Erosion Control Measures Proposed	
LI	in	%	cfs	ft/s	ft/s	ft/s	ft	ft	ft	ft	ft	ft/ft	ft/s			
MI	18	1.00%	0.024	1.35	MIN	2.35	4.50	0.50	10.00	11.50	0.75	1.13	0.09	5.00	0.62	Riprap Apron
NI	18	1.00%	0.024	1.35	MIN	2.35	4.50	0.50	10.00	11.50	0.75	1.13	0.35	5.00	0.56	Riprap Apron
NI	18	1.02%	0.024	0.97	MIN	2.20	4.50	0.50	10.00	11.50	0.75	1.13	0.30	5.00	0.54	Riprap Apron

** SEE PLUNGE POOL CHART **

LIMIT OF ROUND-A-BOUT CONSTRUCTION (STA 1+81.05); SEE "SUBDIVISION & ROAD REALIGNMENT PLANS FOR PIEDMONT TRACT SUBDIVISION" FOR HARRY SOSEBEE ROAD REALIGNMENT PLANS AND FUTURE CONNECTION

PLUNGE POOL CHART

ID	Overall Diameter Area	Overall Impervious Area	Overall Impervious %	10% WOV	10% WOV	PROVIDED WOV	BASIC SHAPE	LENGTH	WIDTH	DEPTH	SIDE SLOPE
M	AC	AC	%	CU FT	CU FT	CU FT	RECTANGULAR	FT	FT	FT	x:1
M	0.44	0.10	23.59%	404.79	40.48	74.88	RECTANGULAR	3	6	2	2
N	0.12	0.12	100.00%	470.76	47.08	74.88	RECTANGULAR	3	6	2	2



Grid North (GA West Zone)

ENSITE
 CIVIL CONSULTING, LLC
 131 Prominence Court, Suite 230
 Dawsonville, GA 30534
 Mobile: 770-597-8813
 Contact: Corey Guthrie, PE, CFM
 Email: Corey.Guthrie@ensiteconsulting.com

OWNER/DEVELOPER:
 DAWSON COUNTY PUBLIC WORKS
 60 TRANSPORTATION LANE
 DAWSONVILLE, GA 30534

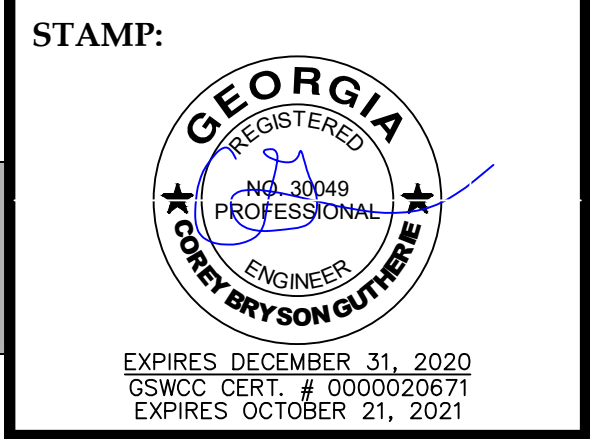
PHONE: (706) 344-3500
EXT. 42227

24-HOUR CONTACT:
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 (706) 344-3500 EXT. 42227
EMAIL:
 dmckee@dawsoncounty.org

PROJECT:
HARRY SOSEBEE ROAD & LUMPKIN CAMPGROUND ROAD ROUNDABOUT

LOCATED IN:
 LAND LOTS 496, & 497
 13th DISTRICT, South SECTION,
 DAWSON COUNTY, GEORGIA

SHEET TITLE:
 GRADING PHASE
 EROSION,
 SEDIMENTATION,
 & POLLUTION
 CONTROL PLAN



DRAWING DATE: 2020-07-13

SHEET REVISIONS

NO.	DESCRIPTION	DATE
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SHEET:
G6.09

ESP&C NOTES

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DISTURBED AREA

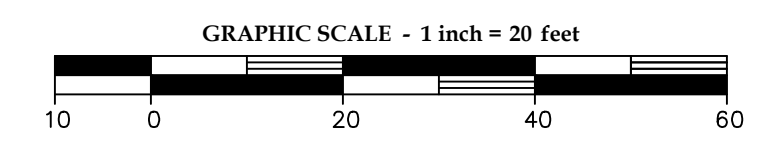
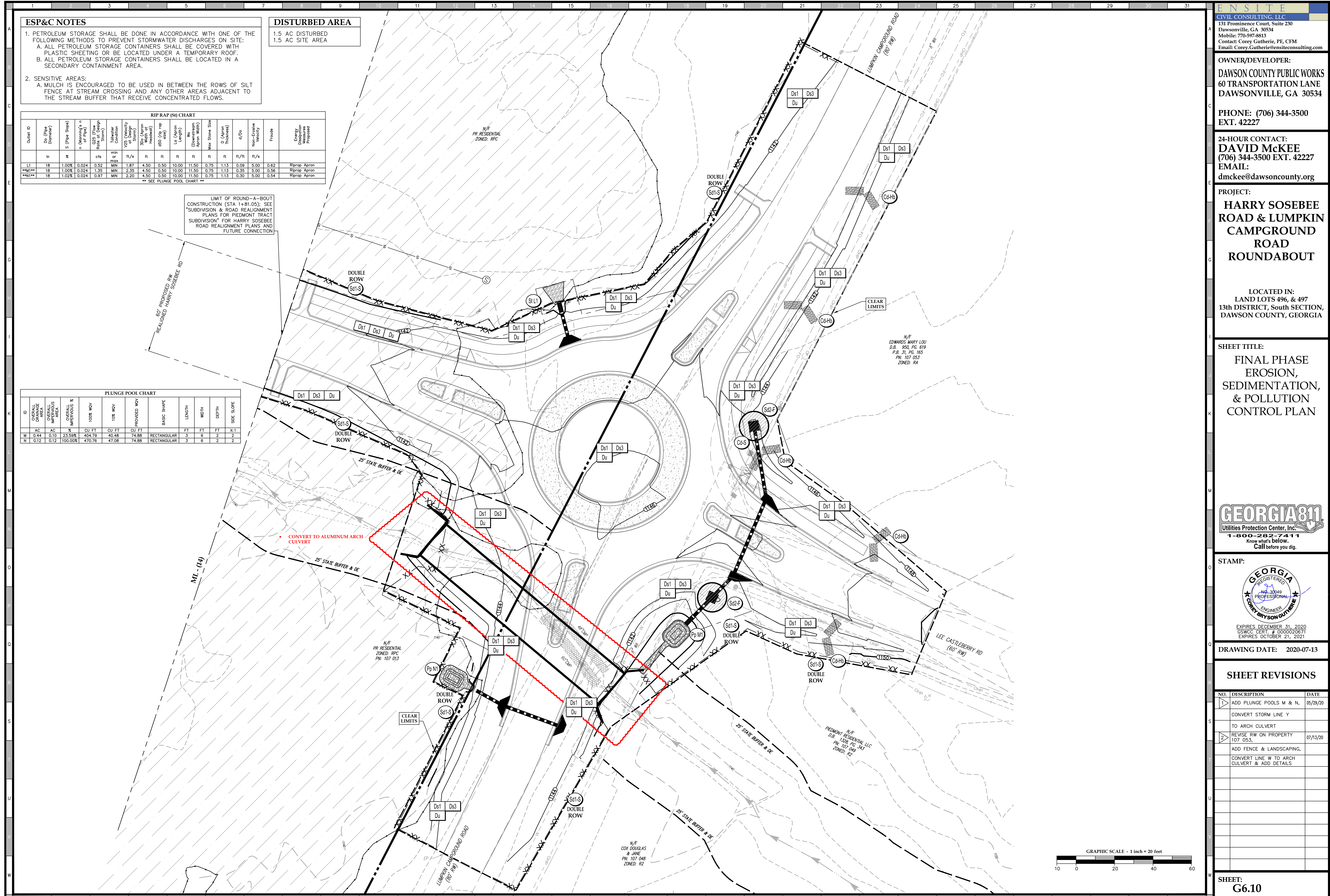
1.5 AC DISTURBED
1.5 AC SITE AREA

Outlet ID	D _s (Pipe Diameter)	S (Pipe Slope)	n (Manning's n of Pipe)	Q ₂₅ (Flow Rate at Design Storm)	Flow Condition	V ₂₅ (Velocity at Design Storm)	D ₅₀ (Pipe Size)		L _s (Acron Length)	W _s (Downstream Apron Width)	Max. Stone Size	D _{apron} (Apron Diameter)	d/D _{apron}	Non-Erosive Velocity	Froude	Erosion Control Measures Proposed
							ft	in								
L1	18	1.00%	0.024	0.52	MIN	1.87	4.50	0.50	10.00	11.50	0.75	1.13	0.09	5.00	0.62	Riprap Apron
M1	18	1.00%	0.024	1.35	MIN	2.35	4.50	0.50	10.00	11.50	0.75	1.13	0.35	5.00	0.56	Riprap Apron
N1	18	1.02%	0.024	0.97	MIN	2.20	4.50	0.50	10.00	11.50	0.75	1.13	0.30	5.00	0.54	Riprap Apron

** SEE PLUNGE POOL CHART **

LIMIT OF ROUND-A-BOUT CONSTRUCTION (STA 1+81.05); SEE "SUBDIVISION & ROAD REALIGNMENT PLANS FOR PIEDMONT TRACT SUBDIVISION" FOR HARRY SOSEBEE ROAD REALIGNMENT PLANS AND FUTURE CONNECTION

ID	OVERALL DIAPHRAGM AREA			OVERALL IMPERVIOUS %			100% WOV			10% WOV			PROVIDED WOV			BASIC SHAPE	LENGTH	WIDTH	DEPTH	SIDE SLOPE
	AC	CU FT	%	AC	CU FT	%	CU FT	CU FT	CU FT	RECTANGULAR	FT	FT	FT	x:1						
M	0.44	0.10	23.55%	404.79	40.48	74.88	RECTANGULAR	3	6	2	2									
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LOCATED IN:
LAND LOTS 496, & 497
13th DISTRICT, South SECTION,
DAWSON COUNTY, GEORGIA

SHEET TITLE:
FINAL PHASE
EROSION,
SEDIMENTATION,
& POLLUTION
CONTROL PLAN



STAMP:

 COREY BRYSON GUTHERIE
 REGISTERED PROFESSIONAL ENGINEER
 NO. 30949
 STATE OF GEORGIA
 EXPIRES DECEMBER 31, 2020
 GSWCC CERT. # 0000020671
 EXPIRES OCTOBER 21, 2021

DRAWING DATE: 2020-07-13

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SHEET:
G6.10

FILE: 17017P