DAWSON COUNTY GEORGIA

INVITATION FOR BIDS (IFB)

STATE ROUTE 53 AT LUMPKIN CAMPGROUND ROAD INTERSECTION IMPROVEMENTS

IFB #500-26

Submission Deadline:

July 2, 2026 at 3:00 p.m. (EST)

Delivery Address:

Dawson County Board of Commissioners

Attn: Purchasing Manager

25 Justice Way, Suite 2223

Dawsonville, GA 30534

Important: The responsibility for submitting a response to this IFB on or before the stated date and time lies solely with the offeror.

Issue Date: June 3, 2026

IFB #500-26 State Route 53 at Lumpkin Campground Road Intersection Improvements

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Invitation To Bidders

Dawson County is seeking sealed bids from qualified vendors for materials and labor to perform intersection improvements for State Route 53 at Lumpkin Campground Road.

All relevant specifications and requirements are outlined in Section II of this solicitation package. Bidders are encouraged to review this entire packet carefully before preparing their submission.

Bid Submission Instructions
Complete bid packages must be submitted in a sealed envelope or container clearly marked with the Bid Name and Bid Number. Submissions must include a completed Vendor Price Proposal Form and be typed or printed in ink. Handwritten or incomplete proposals may not be considered. Electronic copies of the bid documents are available at:

https://www.bidnetdirect.com//dawsoncounty

Pre-Bid Meeting:
There will be a Non-Mandatory Pre-Bid Meeting on Thursday, June 11, 2026 at 1:00 PM. This will be held in the Administration Office Conference Room located at:
25 Justice Way, Suite 2204
Dawsonville, GA 30534

Questions & Clarifications:
All questions must be submitted in writing via email to:
Hanna Milford, Purchasing Manager
Hmilford@dawsoncountyga.gov

Questions are due by June 18, 2026 at 5:00PM. Responses to all inquiries will be posted on both the Dawson County website and the Georgia Procurement Registry by June 25, 2026. Any changes to the scope or terms of this solicitation will be issued via formal addendum.

Equal Opportunity Statement:
Dawson County is committed to providing equal opportunity for all businesses and does not discriminate on the basis of race, color, religion, sex, national origin, disability, or veteran status. This policy ensures that all segments of the business community have fair access to County procurement opportunities.

Please note that Dawson County does not guarantee a minimum or maximum value for this contract. We appreciate your interest in doing business with Dawson County and look forward to your participation.

Sincerely,
Hanna Milford, Purchasing Manager

Section I – General Overview

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, July 2, 2026 at 3:00PM, be submitted in a sealed envelope stating on the outside the vendor's name, address, IFB #500-26 State Route 53 at Lumpkin Campground Road Intersection Improvements and delivered to:
   Dawson County Board of Commissioners
   Attn: Purchasing Manager
   25 Justice Way, Suite 2223
   Dawsonville, Ga 30534

   Vendors 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.

   Hand Delivery: Hand Delivery 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.dawsoncountyga.gov. No submission will be accepted after 3:00PM on the date listed above, at which time all company names and offers received will be publicly 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.

2. Contact Person
   Vendors are encouraged to contact Hanna Milford, Purchasing Manager via email at hmilford@dawsoncountyga.gov 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 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 through the Purchasing Manager named herein, or 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 an issued addenda by including the Addenda Acknowledgement with the submittal. Bids which fail to acknowledge the vendor's receipt of any addendum may result in the rejection of the offer if the addendum contains information which substantially changes the Owner's requirements. Absence of acknowledgement does not release the Bidder from being held to any changes/information released in the addenda.

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 Bid not properly addressed and identified, and/or delivered to the proper designation.

5. Rejection of Bids/Cancellations
   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. Minimum IFB Acceptance Period
   Submittals shall be valid any may not be withdrawn for a period of ninety (90) days from the date specified for receipt submittals.

7. Non-Collusion Affidavit
   By Submitting a response to this IFB, the vendor represents and warrants that such Bid 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 Bid, 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 Bid, the vendor represents and warrants to that no official or employee of Dawson County Government has, in any manner, an interest, directly or indirectly in the Bid 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, is the responsibility of the vendor(s).

9. Bid Opening
   Bids will be opened and read immediately following the 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 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 Bid.

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 and automobile insurance of $500,000 combined single limit per accident for bodily injury, property damage. 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 (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 the 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 n 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 to 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 below apply.

- During the performance of this contract, the contractor agrees as follows:
  - The contract 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.
  - 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.
  - Notices, advertisements and solicitations places in accordance with federal law, rule or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.
- 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.

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.

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

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 perform a turnkey intersection improvement project for State Route 53 at Lumpkin Campground Road.

Liquidated Damages have been set at $1,000.00 per day under the General Terms and Conditions of this contract. The tasks are listed in order in which work is to be performed. The construction schedule will be pre-approved by the Public Works staff.

Retainage

The vendor's fee will be paid on a Net 30 basis less 5% retainage for the entirety of the contract, until completion. Upon completion of the work, and once the authorized contract representative determines that the work is reasonably satisfactory, the County will release the retainage to the contractor on a Net 30 basis.

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 this project from the County. Each task shall be completed no later than two hundred and forty (240) days, and will begin on 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.

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 with grading, paving, storm drainage, and traffic signal installation 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 shall provide a turn-key intersection improvement project for State Route 53 at Lumpkin Campground Road. This is approximately 0.426 miles. Contractor is to reference attached plans for additional details.

Dawson County shall be responsible for all work involving the materials, testing, and inspections.

Contractors must provide all equipment, materials and labor to complete the scope of work as detailed, but not limited, to below:

- All connector roads and all driveways shall be tied in to make a smooth transition as agreed upon by the Owner and the Contractor.
- Contractor to utilize Georgia Department of Transportation standard specifications for construction, latest edition, where applicable, for all technical specifications not referenced in these contract documents.
- Contractor to utilize all current applicable special provisions and supplemental Georgia Department of Transportation specifications, latest edition, where applicable.
- Paving plan and design mix shall be the contractor's responsibility and shall be submitted and approved prior to starting. All testing shall be the responsibility of Dawson County.
- Contractor shall work 5 days per week Monday-Friday. Contractor must request to work nights and weekends 2 weeks in advance.
    - No work shall occur in the travel lanes from 6:00 am – 8:00 am and from 3:00 pm – 6:00 pm Monday – Friday
- All mailboxes moved shall meet the USPS guidelines. All mailboxes shall be installed with expandable cement foam (two parts) in accordance with manufacturer's specifications.
- All traffic control shall be the responsibility of the contractor. The plan for traffic control must be approved by Dawson County prior to start of construction. State Route 53 and Lumpkin Campground Road will not be closed to through traffic at any time during construction.
- Materials Transfer Vehicle (MTV) must be utilized throughout the entire project and is required by Dawson County. MTV and paving equipment shall meet the following:
    - MTV has a truck unloading system which receives mixture from the hauling equipment and independently delivers mixtures from the hauling equipment to the paving equipment. Has mixture remixing capability by either a storage bin in the MTV with a minimum capacity of 14 tons (13 megagrams) of mixture and a remixing system in the bottom of MTV storage bin, or a dual pugmill system located in the paver hopper insert with two full length transversely mounted paddle mixers to continuously blend the mixture as it discharges to a conveyor system. Provides to the paver a homogenous, non-segregated mixture of uniform temperature with no more than 20°F (18°C) difference between the highest and lowest temperatures when measured transversely across the width of the mat in a straight line at a distance of one foot to three feet from the screen while the paver is operating.
- If the MTV malfunctions during spreading operations, discontinue placement of hot mix asphaltic concrete after there is sufficient hot mix placed to maintain traffic in a safe manner. However, placement of hot mix asphaltic contrite in a lift not exceeding 2 in. (50mm) may continue until any additional hot mix in transit at the time of the malfunction has been placed. Cease spreading operating thereafter until the MTV is operation.
- Contractor shall provide a two (2) year warranty on all pavement work completed. All rework and warranty areas shall be repaired within forty-five (45) days of notification by Dawson County. This warranty timeframe is for asphalt, to include base failure, rutting, raveling, and settlement.

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 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 two (2) year warranty on all pavement work completed. All rework and warranty areas shall be repaired within forty-five (45) days of notification by Dawson County. This warranty timeframe is for asphalt, to include base failure, rutting, raveling, and settlement. The bid is to maintain contact information of the individual/firm who will be responsible for the warranty repair.

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 project, 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. Invoice totals and retainages shall be broken out by Task. 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:

    • LJA Engineering: Madison Lawson
    89 East Athens Street
    Winder, GA 30680
    mlawson@lja.com

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.

Administration

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

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. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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 contacts by any agency of the State of Georgia.
12. 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.
13. 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.

14. 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.

Bonds

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

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:
   - Maintains 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.

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; however, will award in a manner that is in the best interest of the County. The County reserves the right to award any combination or none of the tasks within this IFB.

End of this Section

Section III – General Terms

1. Addenda, Changes, and Interpretations

   It is the sole responsibility of each Vendor to notify the Purchasing Manager by E-mail and request modification or clarification of any ambiguity, conflict, discrepancy, omission, or other error discovered in this solicitation. Requests for clarification, modification, interpretation, or changes must be received prior to the Question-and-Answer Deadline. Requests received after this date may not be addressed. All questions and requests for information received will be responded to by an official written addendum and uploaded to the solicitation website and Georgia Procurement Registry. Under no circumstances shall an oral explanation given by any County official, officer, staff, or agent, be binding upon the County. Such oral explanation should be disregarded. All addenda are a part of the competitive solicitation documents, and each Vendor will be bound by such addenda. It is the responsibility of each Vendor to read and comprehend all the addenda issued.

2. Withdrawal of Bid

   The Vendor shall give notice in writing of its claim to withdraw its bid without penalty, due to an error within twenty-four (24) hours after the conclusion of the bid opening. Bids may be withdrawn from consideration due solely to a mistake therein, provided the bid was submitted in good faith, the mistake was a clerical mistake as opposed to a judgement mistake, and was due to an unintentional arithmetic error or an unintentional omission of a quantity of work, labor, or material made directly in the compilation of the quote, which unintentional arithmetic error or unintentional omission can be clearly shown by objective evident drawn from inspection of original work papers, documents and material used in the preparation of the quote sought to be withdrawn. The Vendor's original work papers shall be the sole acceptable evidence of error and mistake if Vendor elects to withdraw its bid.

   No Vendor who is permitted to withdraw a bid shall, for compensation, supply an material or labor to perform any subcontract or other work agreement for the contractor to who the contract is awarded or otherwise benefit, directly or indirectly, from the performance of the services for which the withdrawn quote was submitted.

   Bid withdrawal is not automatically granted and will be allowed solely at Dawson County's discretion.

3. Vendor's Costs

   The County shall not be liable for any costs incurred by Vendors in responding to this solicitation.

4. Pricing

   All pricing should be identified on the Vendor's Price Proposal Form provided in this solicitation. No additional costs may be accepted other than the pricing and costs stated on the Vendor's Price Proposal Form. Failure to use the solicitation form and provide pricing as requested in this solicitation may cause your bid to be deemed non-responsive.

5. Price Validity

   Prices provided in this bid shall be valid for ninety (90) days from the bid opening unless otherwise extended and agreed upon by the County and Vendor. The County shall award the contract within this time period or request from the recommended awarded contractor an extension to hold pricing until services have been awarded.

6. Taxes

   Goods and Services are exempt from Federal Excise Tax and Georgia State Sales and Use Tax. A certificate will be furnished upon request. Dawson County is exempt from taxes, but the successful Vendor shall pay all taxes required by law. Dawson County cannot exempt others from tax.

7. Related Expenses/Travel Expenses

   Your bid must include all costs, including travel. The County will not accept additional costs.

8. Submission and Receipt of Bids

   To receive consideration, bids must be received prior to the bid opening date and time. Unless otherwise specified, Vendors shall use the bid documents provided by the County. These forms may be duplicated, but failure to use the forms may cause the bid to be rejected. Any erasures or corrections on the quote must be made in ink and initialed by Vendor in ink. All information submitted by the Vendor shall be printed, or filled in with pen and ink. Bids shall be signed in ink.

9. Mistakes

   The Vendor shall examine this IFB carefully. Vendor's submission of a bid shall be prima facie evidence that the Vendor has complete knowledge of the scope, nature, and quality of the work to be performed, the detailed requirements of the specifications and scope of services, and the conditions under which the work is to be performed. Ignorance of the requirements will not relieve the Vendor from liability and obligations under any contract entered into as a result of this IFB.

   Vendors are cautioned to examine all terms, conditions, specifications, drawings, exhibits, appendices, delivery instructions, and special conditions pertaining to this IFB.

10. Qualifications/Inspections

    Bids will only be considered from Vendors normally engaged in providing the types of goods/services specified herein. The County reserves the right to inspect the Vendor's facilities, equipment, personnel, and organization at any time or to take any other action necessary to determine the Vendor's ability to perform. The Purchasing Manager reserves the right to reject bids where evident or evaluation is determined to indicate an inability to perform.

11. Acceptance of Bids/Minor Irregularities

    a. The County reserves the right to accept or reject any or all bids, or portions of bids, and to waive minor irregularities or variances to specifications contained in bids. The County also reserves the right to reissue an IFB.
    b. The County reserves the right to disqualify Vendors during any phase of the competitive solicitation process and terminate for cause any resulting contract upon evidence of collusion with intent to defraud or other illegal practices on the part of the Vendor. The Vendor will be required to execute a Non-Collusion Affidavit and submit it with the quote documents.

12. Verbal Instructions Procedure
No negotiations, decisions, or actions shall be initiated or executed by the Vendor as a result of any discussions with any County employee. Only those communications in writing from an authorized County representative may be considered. Only written communications submitted by Vendor Representative designated and authorized to bind the Vendor will be recognized by the County as expressions on behalf of Vendors.

13. Exclusive Contracts
Vendor agrees and understand that any contract awarded from this IFB shall not be construed as an exclusive agreement and further agrees that the County may, at any time, secure similar or identical services from another contractor at the County's sole option.

14. Sample Contracts
Attached to this IFB is a draft form of a Sample Contract which contains terms and conditions of the contractual arrangement for the services. Such form of agreement will be modified as appropriate, in the County's discretion, to include any additional specific terms related to the services being provided. Any questions regarding the form of general services agreement must be submitted in writing by the deadline for questions specified in this IFB.

15. Background Checks
Dawson County reserves the right to have any Vendor or potential contractor undergo a Dawson County Sheriff's Office criminal history background check for any project at the contractor's cost. Potential contractors must undergo a background check when working in any County-operated facility, with the associated fees falling under the Contractor's responsibility.

16. Minimum Qualifications
To be eligible for the award of a contract in response to this IFB, the Vendor must demonstrate that they are properly and legally licensed to perform such work. Vendor must also supply documentation of any licenses or certifications that are required for this IFB as mentioned in the Scope of Services. In addition, the Vendor must have no conflict of interest with respect to the County.
16.1 Vendors and principles shall have no record of judgements, pending lawsuits against the County, or criminal activities involving moral turpitude and shall not have any conflicts of interest that have not been waived by the County.
16.2 Neither Vendor nor any principal, officer, or stockholder, shall be in arrears or default of any debt or contract involving the County (as a party to a contract or otherwise), not have they failed to perform faithfully on any previous contract with the County.

17. Public Records/Trade Secrets
Careful consideration should be given before submitting confidential information to the County. County's disclosure of records and documentation is governed by the Georgia's Open Records Act, which permits public scrutiny of most materials collected as part of this process. If a Vendor submits information that contains trade secret information and if Vendor wishes to keep such information confidential, Vendor must submit and attach to such information and affidavit affirmatively declaring that specific information constitutes trade secretes pursuant to the Georgia Trade Secrets Act of 1990,

O.C.G.A 10-1-760 et seq., and the Vendor and County will follow the requirements of O.C.G.A. 50-18-72(a)(34) related thereto.

18. Reservations for Award and Rejection of Quotes
Dawson County reserves the right to accept or reject any or all bids, parts of bids, and to waive minor irregularities or variations to specifications contained in bids, and minor irregularities in the bid process. The County also reserves the right to award the contract on a split order basis, lump sum basis, individual term basis, or such combination as shall best serve the interest of the County. The County reserves the right to award the responsive and responsible Vendor whose service meets the IFB's terms, conditions, and specifications and whose bid is considered to best serve the County's interest. In determining the responsiveness of the offer and the responsibility of the Vendor, the following, among other factors, may be considered when applicable: the ability, capacity, and skill of the Vendor to perform as required; whether the Vendor can perform promptly or within the time specified, without delay or interference; the character, integrity, reputation, judgement, experience and efficiency of the Vendor, the quality of past performance by the Vendor; the previous and existing compliance by the Vendor with related laws and ordinances; the sufficiency of the Vendor's financial resources; the availability, quality and adaptability of the Vendor's supplies or services to the required use; the ability of the Vendor to provide future maintenance, service or parts; and the number and scope of conditions attached to the quote.

19. E-Verify Affidavit
Under state law, the County shall not consider any bid or proposal or enter into a contract for the physical performance of services unless the potential contractor provides an affidavit, in the form attached to this IFB, regarding contractor's compliance with the E-Verify program. The contractor's affidavit form shall be properly completed and submitted with the Vendor's response to this IFB. Failure to do so is a material defect and the corresponding bid or proposal will be rejected without evaluation or review by the County.

20. Rules and Submittals of Quotes
The signer of the bid must declare that the only person(s), company, or parties interested in the bid as principals are named therein; that the bid is made without collusion with any other person(s), company, or parties submitting a bid; that it is in all respects fair and in good faith, without collusion or fraud; and that the signer of the bid has full authority to bind the Vendor.

21. Intent to Award
Any notice of intent to award a contract resulting from this IFB and the County's formal solicitation process may be found on the solicitation website.

End of this Section

Vendor's Checklist

Company Name:_____

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

- ☐ Vendor's Checklist
- ☐ Vendor's Information Form
- ☐ Vendor's Price Proposal Form
- ☐ Vendor's Bid Bond
- ☐ Vendor's Reference Form
- ☐ Execution of Proposal Form
- ☐ Addenda Acknowledgement Form and Any Addenda Issued
- ☐ Proposer's Certification and Non-Collusion Affidavit
- ☐ Drug Free Workplace Affidavit
- ☐ Georgia's Security and Immigration Compliance Act Affidavit
- ☐ Contractor Affidavit
- ☐ Sub Contractor Affidavit
- ☐ Proof of Insurance/Certificate of Insurance
- ☐ EEO Form
- ☐ Completed W9
- ☐ Legal and Character Qualifications Form
- ☐ Copy of Valid Business License

_____ _____

Authorized Signature Title

_____ _____

Print Name Date

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, etc.)
5. Name and Title of Authorized Signer: _____
6. Primary Contact: _____
7. Phone: _____
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 names, dates, and reason for debarment.

_____

_____

_____

Vendor's Price Proposal Form

Company Name: _____

TASK 1 - STATE ROUTE 53 AT LUMPKIN CAMPGROUND ROAD INTERSECTION IMPROVEMENTS						
ROADWAY ITEMS						
Line Number	**Item Code**	**Description**	**Unit**	**Estimated Quantity**	**Unit Cost**	**Total Estimated Cost**
0	150-1000	TRAFFIC CONTROL	LS	1	$	$
5	210-0100	GRADING COMPLETE	LS	1	$	$
10	310-1101	GR AGGR BASE CRS, INCL MATL	TN	2305	$	$
15	318-3000	AGGR SURF CRS	TN	20	$	$
20	402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	TN	514	$	$
25	402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	554	$	$
30	402-3130	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	TN	1000	$	$
35	402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2,INCL BITUM MATL & H LIME	TN	277	$	$
40	413-0750	TACK COAT	GL	1279	$	$
45	432-0206	MILL ASPH CONC PVMT, 1 1/2 IN DEPTH	SY	5900	$	$
50	432-5010	MILL ASPH CONC PVMT, VARIABLE DEPTH	SY	9575	$	$
55	441-0018	DRIVEWAY CONCRETE, 8 IN TK	SY	632	$	$
60	441-0104	CONC SIDEWALK, 4 IN	SY	1192	$	$
65	441-0108	CONC SIDEWALK, 8 IN	SY	170	$	$
70	441-0754	CONCRETE MEDIAN, 7 1/2 IN	SY	206	$	$
75	441-4030	CONC VALLEY GUTTER, 8 IN	SY	280	$	$
80	441-5002	CONCRETE HEADER CURB, 6 IN, TP 2	LF	31	$	$

Line Number	Item Code	Description	Unit	Estimated Quantity	Unit Cost	Total Estimated Cost
85	441-6222	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	LF	2870	$	$
90	446-1100	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	LF	2570	$	$
95	500-9999	CLASS B CONC, BASE OR PVMT WIDENING	CY	63	$	$
100	632-0003	CHANGEABLE MESSAGE SIGN, PORTABLE, TYPE 3	EA	4	$	$
105	634-1200	RIGHT OF WAY MARKERS	EA	25	$	$
DRAINAGE ITEMS						
Line Number	**Item Code**	**Description**	**Unit**	**Estimated Quantity**	**Unit Cost**	**Total Estimated Cost**
110	550-5180	STORM DRAIN PIPE, 18 IN, CLASS III	LF	1594	$	$
115	668-1100	CATCH BASIN, GP 1	EA	16	$	$
120	668-2100	DROP INLET, GP 1	EA	4	$	$
TEMPORARY EROSION CONTROL ITEMS						
Line Number	**Item Code**	**Description**	**Unit**	**Estimated Quantity**	**Unit Cost**	**Total Estimated Cost**
125	163-0232	TEMPORARY GRASSING	AC	1	$	$
130	163-0240	MULCH	TN	3	$	$
135	163-0301	CONSTRUCT AND REMOVE CONSTRUCTION EXITS	EA	2	$	$
140	163-0541	CONSTRUCT AND REMOVE ROCK FILTER DAMS	EA	11	$	$
145	165-0010	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	LF	1500	$	$
150	165-0101	MAINTENANCE OF CONSTRUCTION EXIT	EA	2	$	$
155	165-0110	MAINTENANCE OF ROCK FILTER DAM	EA	11	$	$
160	165-0310	MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH ASSEMBLY	EA	2	$	$
165	167-1000	WATER QUALITY MONITORING AND SAMPLING	EA	3	$	$
170	167-1500	WATER QUALITY INSPECTIONS	MO	8	$	$
175	171-0010	TEMPORARY SILT FENCE, TYPE A	LF	3000	$	$
180	163-0550	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	EA	37	$	$

Line Number	Item Code	Description	Unit	Estimated Quantity	Unit Cost	Total Estimated Cost
185	165-0105	MAINTENANCE OF INLET SEDIMENT TRAP	EA	37	$	$
PERMANENT EROSION CONTROL ITEMS						
Line Number	**Item Code**	**Description**	**Unit**	**Estimated Quantity**	**Unit Cost**	**Total Estimated Cost**
190	700-6910	PERMANENT GRASSING	AC	2	$	$
195	700-7000	AGRICULTURAL LIME	TN	3	$	$
200	700-8000	FERTILIZER MIXED GRADE	TN	2	$	$
205	700-8100	FERTILIZER NITROGEN CONTENT	LB	50	$	$
210	700-9300	SOD	SY	8810	$	$
SIGNING AND MARKING						
Line Number	**Item Code**	**Description**	**Unit**	**Estimated Quantity**	**Unit Cost**	**Total Estimated Cost**
215	610-6515	REM HIGHWAY SIGN, STD	EA	1	$	$
220	611-5360	RESET HIGHWAY SIGN	EA	2	$	$
225	636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	SF	7	$	$
230	636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	27	$	$
235	636-2070	GALV STEEL POSTS, TP 7	LF	104	$	$
240	653-0110	THERMOPLASTIC PVMT MARKING, ARROW, TP 1	EA	3	$	$
245	653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	27	$	$
250	653-0130	THERMOPLASTIC PVMT MARKING, ARROW, TP 3	EA	6	$	$
255	653-0180	THERMOPLASTIC PVMT MARKING, ARROW, TP 8	EA	8	$	$
260	653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	490	$	$
265	653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	495	$	$
270	653-1906	THERMOPLASTIC SOLID TRAF STRIPE, 6 IN, WHITE	LF	7455	$	$
275	653-2602	THERMOPLASTIC SOLID TRAF STRIPE, 6 IN, YELLOW	LF	7080	$	$
280	653-2606	THERMOPLASTIC SKIP TRAF STRIPE, 6 IN, YELLOW	GLF	1595	$	$

Line Number	Item Code	Description	Unit	Estimated Quantity	Unit Cost	Total Estimated Cost
285	653-4503	THERMOPLASTIC SKIP TRAF STRIPE, 6 IN, WHITE	GLF	2360	$	$
290	653-4830	THERMOPLASTIC SKIP TRAF STRIPE, 18 IN, WHITE	GLF	50	$	$
295	653-6004	THERMOPLASTIC TRAF STRIPING, WHITE	SY	400	$	$
300	653-6006	THERMOPLASTIC TRAF STRIPING, YELLOW	SY	260	$	$
305	654-1001	RAISED PVMT MARKERS TP 1	EA	182	$	$
310	654-1003	RAISED PVMT MARKERS TP 3	EA	164	$	$
315	647-1000	TRAFFIC SIGNAL INSTALLATION	LS	1	$	$
320	999-9999	CONSTRUCTION CONTINGENCY AS DIRECTED	LS	1	$ 250,000.00	$ 250,000.00
				TOTAL BID PRICE		**$**

Vendor's Price Proposal Form (Sheet B)

Point of Contact Information:

Name: _____

E-Mail: _____

Number: _____

_____ _____
Authorized Representative Signature Date

_____ _____
Print Name Title

All costs for Dawson County are to be included in the line items above. Additional documents may accompany this form.

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 help 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:

IFB #500-26 State Route 53 at Lumpkin Campground Road Intersection Improvements

NOW THEREFORE, the conditions of this obligation are such that if the Bid be accepted, the Principal shall, within fifteen (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 hereon 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. _____

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: _____

1. Company: _____
   Street Address: _____
   City, State, Zip: _____
   Contact Person Name: _____Title: _____
   Phone: _____E-Mail: _____
   Describe Scope of Work and dates of project/service:
   _____
   _____
   _____

2. Company: _____
   Street Address: _____
   City, State, Zip: _____
   Contact Person Name: _____Title: _____
   Phone: _____E-Mail: _____
   Describe Scope of Work and dates of project/service:
   _____
   _____
   _____

3. Company: _____
   Street Address: _____
   City, State, Zip: _____
   Contact Person Name: _____Title: _____
   Phone: _____E-Mail: _____
   Describe Scope of Work and dates of project/service:
   _____
   _____
   _____

Execution of Bid

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 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

_____ _____

Printed Name Title

Addenda Acknowledgement

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

Addendum No. _____

Addendum No. _____

Addendum No. _____

Addendum No. _____

_____ _____

Authorized Representative (Signature) Date

_____ _____

Print Name Title

Drug Free Workplace

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

_____

Whose address is:

_____

And it is also that:

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,

A drug free workplace will be provided for the CONTRACTOR'S employees during the performance of the contract; and,

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,

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

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 **IFB #500-26 State Route 53 at Lumpkin Campground Road Intersection Improvements** 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

_____

Print Name and Title

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 state 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 employe 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 secrete 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.

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 secrete 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 Date
(Contractor Name)

_____
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: _____

Georgia Security and Immigration Compliance Act Affidavit

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

ADDITIONAL INSTRCTIONS 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:	

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 Date
(Subcontractor Name)

_____
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: _____

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 Acts 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.

IFB #500-26 State Route 53 at Lumpkin Campground Road Intersection Improvements

Owner Gender: _____

Owner Race/Ethnicity_____

Disability: Do you employ 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 regarding 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:
(Provide % on line)

_____White/Caucasian
_____Black or African American
_____Hispanic or Latino
_____Asian
_____American Indian or Alaskan Native
_____Native Hawaiian or Other Pacific Islander
_____Two or More Races

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 foes 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.

_____ _____

Company Name Authorized Signature

_____

Date

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 proceedings 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 above, provide information such as date, court, sentence, fine, location, and all other specifics for each "yes" response.

_____

_____

_____

Legal and Character Qualifications

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

_____

_____

_____

_____

_____

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 stability. Include Contact Name, Title, and Phone Number/Email.

_____

_____

_____

_____

_____

COUNTY ROAD CONSTRUCTION SERVICES AGREEMENT

[PROJECT NAME/NUMBER]

This County Road Construction Services Agreement (the "Agreement") is made and entered into this _____ day of _____, 202___ (the "Effective Date"), by and between **DAWSON COUNTY**, a political subdivision of the State of Georgia ("County"), and _____ [insert contractor entity name], a _____ [insert contractor entity type and state of incorporation or organization] ("Contractor"), collectively referred to as the "Parties".

W I T N E S S E T H:

WHEREAS, this Agreement has been let in accordance with the requirements of the Official Code of Georgia Annotated ("O.C.G.A."), Title 32, including, specifically, O.C.G.A. § 32-4-60, et seq., regarding the construction, reconstruction, or maintenance of all or part of a public road (the "Project"), as further defined below; and

WHEREAS, the County finds that specialized knowledge, skills, and training are necessary to perform the Work (defined below) contemplated under this Agreement; and

WHEREAS, the Contractor has represented that it is qualified by training and experience to perform the Work; and

WHEREAS, Contractor desires to perform the Work as set forth in this Agreement under the terms and conditions provided in this Agreement; and

WHEREAS, the public interest will be served by this Agreement; and

WHEREAS, Contractor has familiarized itself with the nature and extent of the Contract Documents, the Project, and the Work, and with all local conditions and federal, state and local laws, ordinances, rules and regulations that may in any manner affect cost, progress or performance of Work, and Contractor is aware that it must be licensed and registered to do business in the State of Georgia.

NOW THEREFORE, for and in consideration of the mutual promises, the public purposes, and the acknowledgements and agreements contained herein and other good and adequate consideration, the sufficiency of which is hereby acknowledged, the Parties hereto do mutually agree as follows:

Section 1. Contract Documents

This Agreement along with the following documents, attached hereto (except as expressly noted otherwise below) and incorporated herein by reference, constitute the "Contract Documents":

A. Scope of Work/Project Design Materials, attached as "**Exhibit A**";

B. Contractor's bid/quote materials, attached as "**Exhibit B**";

C. General Conditions, attached as "**Exhibit C**";

D. Special Conditions, attached as "**Exhibit D**";

E. Additional payment terms and retainage requirements, attached as "**Exhibit E**";

F. Performance Bond and Payment Bond, attached as "**Exhibits F.1 and F.2**";

G. E-Verify compliance affidavits, attached as "**Exhibits G.1 and G.2**"; and

H. The following, which may be delivered or issued after the Effective Date of the Agreement and are not attached hereto: all Change Orders (defined in Section 6 below), other written amendments, and other documents amending, modifying, or supplementing the Contract Documents if properly adopted in writing and executed by the Parties.

Section 2. **Project Description**

A. The Project. A general description of the Project is as follows: _____ **ROAD PROJECT** (the "Project"), the scope of which is more fully detailed in Exhibit A.

Section 3. **The Work**.

A. The Work. The Work to be completed under this Agreement (the "Work") includes, but shall not be limited to, the work described in one or more of the following documents which are attached hereto and by this reference incorporated herein: the Specifications, Bid Form, Roadway Summaries, the Georgia Department of Transportation Specifications, Standards, and Special Provisions, the Typical Resurfacing Sections, Typical Section for Shoulder Filling, Location Maps, and elsewhere in the Contract Documents for the Project, a true and correct copy of which has been provided to Contractor with originals maintained on file with the County's Purchasing Agent. The Work includes all material, labor, insurance, tools, equipment, machinery, water, heat, utilities, transportation, facilities, services and any other miscellaneous items and work reasonably inferable from the Contract Documents. The term "reasonably inferable" takes into consideration the understanding of the Parties that some details necessary for proper execution and completion of the Work may not be shown on the drawings or included in the specifications or Scope of Work, but they are a requirement of the Work if they are a usual and customary component of the Work or are otherwise necessary for proper and complete installation and operation of the Work. Contractor shall complete the Work in strict accordance with the Contract Documents. In the event of any discrepancy among the terms of the various Contract Documents, the provision most beneficial to the County, as determined by the County in its sole discretion, shall govern.

B. Notice to Proceed. The County will issue a Notice to Proceed, which Notice to Proceed shall state the dates for beginning Work ("Commencement Date") and the Expected Date of Final Completion (defined in Section 4(A) below). Unless otherwise approved, the Contractor shall perform its obligations under this Agreement as expeditiously as is consistent with reasonable skill and care and the orderly progress of the Work.

C. Plans, Drawings and Specifications. The plans, drawings and specifications, a true and

correct copy of which has been provided to Contractor with originals maintained on file in the County Purchasing Agent, are hereby acknowledged by the Parties and incorporated herein by reference.

D. Shop Drawings, Product Data, and Samples. Shop Drawings, Product Data, Samples and similar submittals are not Contract Documents, but must be in conformity therewith. The purpose of their submittal is to demonstrate, for those portions of the Work for which submittals are required by the Contract Documents, the way by which the Contractor proposes to conform to the information given and the design concept expressed in the Contract Documents.

(i) "Shop Drawings" are drawings, diagrams, schedules and other data specifically prepared for the Work by the Contractor or a subcontractor, sub-subcontractor, manufacturer, supplier or distributor to illustrate some portion of the Work.

(ii) "Product Data" are illustrations, standard schedules, performance charts, instructions, brochures, diagrams and other information furnished by the Contractor to illustrate materials or equipment for some portion of the Work.

(iii) "Samples" are physical examples that illustrate materials, equipment or workmanship and establish standards by which the Work will be judged.

The Contractor shall review for compliance with the Contract Documents and shall approve and submit to the Contract Administrator Shop Drawings, Product Data, Samples, and similar submittals required by the Contract Documents with reasonable promptness and in such sequence as to cause no delay in the Work or in the activities of the County or of separate contractors. By approving and submitting Shop Drawings, Product Data, Samples and similar submittals, the Contractor represents that the Contractor has determined and verified materials, field measurements and field construction criteria related thereto, or will do so, and has checked and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents. Submittals which are not marked as reviewed for compliance with the Contract Documents and approved by the Contractor may be returned by the Contract Administrator without action. The Contractor shall perform no portion of the Work for which the Contract Documents require submittal and review of Shop Drawings, Product Data, Samples or similar submittals until the respective submittal has been approved in writing by the Contract Administrator, provided that submittals that are not required by the Contract Documents may be returned without action.

The Work shall be completed in accordance with approved submittals, provided that the Contractor shall not be relieved of responsibility for deviations from requirements of the Contract Documents by the Contract Administrator's approval of Shop Drawings, Product Data, Samples or similar submittals, unless the Contractor has specifically informed the Contract Administrator in writing of such deviation at the time of submittal and (1) the Contract Administrator has given written approval to the specific deviation as a minor change in the Work, or (2) a written Change Order has been issued and approved to authorize the deviation. The Contract Administrator's approval of the Shop Drawings, Product Data, Samples or similar submittals shall not relieve the Contractor of responsibility for errors or omissions therein.

The Contractor shall, in writing or on resubmitted Shop Drawings, Product Data, Samples or similar submittals, direct the Contract Administrator's attention to any additional revisions included other than those requested by the Contract Administrator on previous submittals. In the absence of such written notice drawing the Contract Administrator's attention to such additional revisions, the Contract Administrator's approval of a resubmission shall not apply to such additional revisions.

The Contractor shall maintain at the Project site(s) one record copy of the Contract Documents in good order and marked currently to record field changes and selections made during construction and one record copy of approved Shop Drawings, Product Data, Samples and similar required submittals. These documents shall be available to the County and Contract Administrator and shall be delivered to the Contract Administrator or County upon completion of the Work.

Section 4. **Contract Term; Liquidated Damages; Expedited Completion; Partial Occupancy or Use**

A. Contract Term. The term of this Agreement ("Term") shall commence on the Effective Date and continue until the earlier of the Expected Date of Final Completion or the proper termination and non-renewal of this Agreement (provided that certain obligations, including but not limited to Warranty obligations, will survive termination/expiration of this Agreement). Contractor warrants and represents that it will perform its Work in a prompt and timely manner, which shall not impose delays on the progress of the Work. The Contractor shall commence Work pursuant to this Agreement within five (5) business days of the Commencement Date provided by the County and the Parties intend that all Work shall be completed on or before **_____ (___) [days] [weeks] following the commencement date specified in the Notice to Proceed**. Every effort will be made by Contractor to shorten this period.

B. Time is of the Essence; Liquidated Damages. Contractor specifically acknowledges that TIME IS OF THE ESSENCE of this Agreement and that County will suffer financial loss if the Work is not completed in accordance with the deadlines specified in Section 4(A) above and within the Contract Documents. The County and Contractor also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by the County if the Work is not completed within the specified times. Accordingly, instead of requiring any such proof, the County and Contractor agree that, as liquidated damages for delay (but not as a penalty), the Contractor shall pay to the County **_____ US DOLLARS ($_____.00)** for each and every calendar day that expires after a deadline provided in the Contract Documents. The parties agree that this amount represents a reasonable estimate of the County's probably loss if the Work is not completed within the specified times required hereunder.

C. Expediting Completion. The Contractor is accountable for completing the Work within the time period provided in the Contract Documents. If, in the judgment of the County, the Work is behind schedule and the rate of placement of work is inadequate to regain scheduled progress to ensure timely completion of the entire Work or a separable portion thereof, the Contractor, when so informed by the County, shall immediately take action to increase the rate of work placement by:

(1) An increase in working forces;
(2) An increase in equipment or tools;
(3) An increase in hours of work or number of shifts;
(4) Expediting delivery of materials; and/or
(5) Other action proposed if acceptable to County.

Within five (5) calendar days after such notice from County that the Work is behind schedule, the Contractor shall notify the County in writing of the specific measures taken and/or planned to increase the rate of progress. The Contractor shall include an estimate as to the date of scheduled progress recovery. Should the County deem the plan of action inadequate, the Contractor shall take additional steps to make adjustments as necessary to its plan of action until it meets with the County's approval and such approval is provided in writing by the County.

D. Partial Occupancy or Use. The County may occupy or use any completed or partially completed portion of the Work at any stage when such portion is designated by separate agreement between the County and Contractor, provided such occupancy or use is consented to by the insurer and authorized by public authorities having jurisdiction over the Work. Such partial occupancy or use may commence whether or not the portion is substantially complete, provided the County and Contractor have accepted in writing the responsibilities assigned to each of them for payments, retainage, if any, security, maintenance, heat, utilities, damage to the Work and insurance, and have agreed in writing concerning the period for correction of the Work and commencement of warranties required by the Contract Documents. Consent of the Contractor to partial occupancy or use shall not be unreasonably withheld. Immediately prior to such partial occupancy or use, the County, Contractor and Contract Administrator shall jointly inspect the area to be occupied, or portion of the Work to be used, in order to determine and record the condition of the Work. Unless otherwise agreed upon, partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of Work not complying with the requirements of the Contract Documents.

Section 5. Contractor's Compensation; Time and Method of Payment

A. Maximum Contract Price. The total amount paid under this Agreement as compensation for Work performed and reimbursement for costs incurred shall not, in any case, exceed **_____ US DOLLARS ($_____.00)** (the "Maximum Contract Price"), except as outlined in Section 6 below. The compensation for Work performed shall be based upon the amount(s) specified in **Exhibit B**, and Contractor represents that the Maximum Contract Price is sufficient to perform all of the Work set forth in and contemplated by this Agreement.

B. Additional Payment Terms. Additional payment requirements are included as **Exhibit E**, attached hereto and incorporated herein by reference.

C. Material Deviations. Any material deviations in tests or inspections performed, or times or locations required to complete such tests or inspections, and like deviations from the Work described in this Agreement shall be clearly communicated to the County *before* charges are incurred and shall be handled through written Change Orders, as described in

Section 6 below. Whenever the Contract Administrator considers it necessary or advisable, it shall have authority to require inspection or testing of the Work. However, neither this authority of the Contract Administrator nor a decision made in good faith either to exercise or not to exercise such authority shall give rise to a duty or responsibility of the Contract Administrator to the Contractor, subcontractors, material and equipment suppliers, their agents or employees, or other persons or entities performing portions of the Work.

D. Taxes. The County is a governmental tax-exempt entity and shall not be responsible for paying any taxes on any materials or services provided for herein. At Contractor's request, County shall provide evidence of its tax-exempt status. To the extent, if any, that the County furnishes tangible personal property to Contractor for incorporation into the Project, Contractor shall be responsible for paying the amount of tax owed for such tangible personal property.

Section 6. Change Orders

A. Change Order Defined. A "Change Order" means a written modification of the Contract Documents, signed by representatives of the County and the Contractor with appropriate authorization.

B. Right to Order Changes. The County reserves the right to order changes in the Work to be performed under this Agreement by altering, adding to, or deducting from the Work. All such changes shall be incorporated in written Change Orders and executed by the Contractor and the County. Such Change Orders shall specify the changes ordered and any necessary adjustment of compensation and completion time. If the Parties cannot reach an agreement on the terms for performing the changed work within a reasonable time to avoid delay or other unfavorable impacts as determined by the County in its sole discretion, the County shall have the right to determine reasonable terms, and the Contractor shall proceed with the changed work.

C. Change Order Requirement. Any work added to the scope of this Agreement by a Change Order shall be executed under all the applicable conditions of this Agreement. No claim for additional compensation or extension of time shall be recognized, unless contained in a written Change Order duly executed on behalf of the County and the Contractor.

D. Authority to Execute Change Order. The County Manager has authority to execute, without further action of Board of Commissioners, any number of Change Orders so long as their total effect does not materially alter the terms of this Agreement or materially increase the Maximum Contract Price, as set forth in Section 5(A) above. Any such Change Orders materially altering the terms of this Agreement, or any Change Order, or combination of Change Orders increasing the Maximum Contract Price by more than five percent (5%) must be approved by the County Board of Commissioners.

E. Minor Changes in the Work. The Contract Administrator will have the authority to order minor changes in the Work not involving adjustment in the Maximum Contract Price or extension of the Term and not inconsistent with the intent of the Contract Documents. Such changes shall be effected by written order signed by the Contract Administrator. The Contractor shall carry out such written orders promptly. If the minor changes subsequently may affect adjustments in the Maximum Contract Price or the Term, the changes shall then

be converted to a written Change Order by the requesting Party.

Section 7. Covenants of Contractor

A. Ethics Code; Conflict of Interest. Contractor agrees that it shall not engage in any activity or conduct that would result in a violation of the County's Code of Ethics or any other similar law or regulation. Contractor certifies that to the best of his knowledge no circumstances exist which will cause a conflict of interest in performing the Work. Should Contractor become aware of any circumstances that may cause a conflict of interest during the Term of this Agreement, Contractor shall immediately notify the County. If the County determines that a conflict of interest exists, the County may require that Contractor take action to remedy the conflict of interest or terminate the Agreement without liability. The County shall have the right to recover any fees paid for services rendered by Contractor when such services were performed while a conflict of interest existed, if Contractor had knowledge of the conflict of interest and did not notify the County within five (5) business days of becoming aware of the existence of the conflict of interest.

B. Meetings. The Contractor is required to meet with the County's personnel, or designated representatives, to resolve technical or contractual problems that may occur during the Term of this Agreement at no additional cost to the County. Meetings will occur as problems arise and will be coordinated by the County or the Contract Administrator. The Contractor will be given a minimum of three (3) full business days' notice of meeting date, time, and location. Face-to-face meetings are desired. However, at the Contractor's option and expense, a conference call meeting may be substituted. Consistent failure to participate in problem resolution meetings, two consecutive missed or rescheduled meetings, or failure to make a good faith effort to resolve problems, may result in termination of the contract for cause.

C. Expertise of Contractor. Contractor accepts the relationship of trust and confidence established between it and the County, recognizing that the County's intention and purpose in entering into this Agreement is to engage an entity with the requisite capacity, experience, and professional skill and judgment to provide the Work in pursuit of the timely and competent completion of the Work undertaken by Contractor under this Agreement. The Contractor agrees to use its best efforts, skill, judgment, and abilities to perform its obligations and to further the interests of County and the Project in accordance with County's requirements and procedures, and Contractor shall employ only persons duly qualified in the appropriate area of expertise to perform the Work described in this Agreement.

D. Proper Execution by Contractor. Contractor agrees that it will perform its services in accordance with the usual and customary standards of the Contractor's profession or business and in compliance with all federal, state, and local laws, regulations, codes, ordinances, or orders applicable to the Project, including, but not limited to, O.C.G.A. § 50-5-63, any applicable records retention requirements, and Georgia's Open Records Act (O.C.G.A. § 50-18-70, *et seq.*). Any additional work or costs incurred as a result of error and/or omission by Contractor as a result of not complying with the Contract Documents or not meeting the applicable standard of care or quality, including but not limited to those of repeated procedures and compensation for the Contract Administrator's services or expenses, will be provided at Contractor's expense and at no additional cost to the County.

This provision shall survive termination of this Agreement.

It is the Contractor's responsibility to be reasonably aware of all applicable laws, statutes, ordinances, building codes, and rules and regulations. If the Contractor observes that portions of the Contract Documents are at variance therewith, the Contractor shall promptly notify the Contract Administrator and the County in writing of any portions of the Contract Documents that are at variance with the applicable laws, statutes, ordinances, building codes, and rules and regulations.

The Contractor's duties shall not be diminished by any approval by the County or Contract Administrator of Work completed or produced; nor shall any approval by the County or Contract Administrator of Work completed or produced release the Contractor from any liability therefor, it being understood that the County is ultimately relying upon the Contractor's skill and knowledge in performing the Work required under the Contract Documents.

Organization of the specifications into divisions, sections and articles, and arrangement of drawings shall not control the Contractor in dividing the Work among subcontractors or in establishing the extent of Work to be performed by any trade.

E. Familiarity with the Work.

(i) *Contractor Familiarity with Work.* Contractor represents that it has familiarized itself with the nature and extent of the Contract Documents, the Work, work site(s), locality, and all local conditions, laws and regulations that in any manner may affect cost, progress, performance, or furnishing of the Work. Since the Contract Documents are complementary, before starting each portion of the Work, the Contractor shall carefully study and compare the various Contract Documents, site conditions, authorities, tests, reports and studies relative to that portion of the Work, as well as the information furnished by the County, shall take field measurements of any existing conditions related to that portion of the Work, and shall observe any conditions at the Project site(s) affecting it. Contractor represents and agrees that it has correlated the results of all such observations, examinations, investigations, explorations, tests, reports, and studies with the terms and conditions of the Contract Documents. These obligations are for the purpose of facilitating construction by the Contractor and are not for the purpose of discovering errors, omissions, inconsistencies, or ambiguities in the Contract Documents; however, any errors, inconsistencies, omissions, or ambiguities discovered by the Contractor shall be reported promptly to the Contract Administrator and County in writing. Contractor represents that it has given the County written notice of all errors, omissions, inconsistencies, or ambiguities that the Contractor has discovered in the Contract Documents so far, and the written resolution thereof by the County is acceptable to the Contractor. Further, Contractor acknowledges that its obligation to give notice of all such errors, omissions, inconsistencies, or ambiguities shall be continuing during the Term of this Agreement. Any failure on the part of the Contractor to notify the Contract Administrator and County in writing of any errors, omissions, inconsistencies, or ambiguities in the Contract Documents that Contractor discovered or reasonably should have discovered shall result in a waiver and full release by the Contractor

of any future arguments or defenses based on such errors, omissions, inconsistencies, or ambiguities against the County. Further, if the Contractor fails to perform its obligations pursuant to this paragraph, the Contractor shall pay such costs and damages to the County as would have been avoided if the Contractor had performed such obligations.

(ii) *Inspection of Prior Work.* If part of the Contractor's Work depends for proper execution or results upon construction or operations by a separate contractor, the Contractor shall, prior to proceeding with that portion of the Work, promptly report to the Contract Administrator apparent discrepancies or defects in such other construction that would render it unsuitable for such proper execution and results. Failure of the Contractor so to report shall constitute an acknowledgment that the County's or separate contractor's completed or partially completed construction is fit and proper to receive the Contractor's Work, except as to defects not then reasonably discoverable, and Contractor shall be responsible for all costs and damages resulting from its failure to report reasonably discoverable defects.

(iii) *Contractor Requests for Information*. If, with undue frequency (as determined by the County in its sole discretion), the Contractor requests information that is obtainable through reasonable examination and comparison of the Contract Documents, site conditions, and previous correspondence, interpretations or clarifications, the Contractor shall be liable to the County for reasonable charges from the Contract Administrator for the additional services required to review, research and respond to such requests for information.

F. Supervision, Inspection and Construction Procedures. The Contractor shall supervise and direct the Work, using the Contractor's best skill and attention. The Contractor shall be solely responsible for and have control over construction means, methods, techniques, sequences and procedures and for coordinating all portions of the Work under the Agreement, unless the Contract Documents give other specific instructions concerning these matters. If the Contract Documents give specific instructions concerning construction means, methods, techniques, sequences or procedures, the Contractor shall evaluate the jobsite safety therefor and, except as stated below, shall be fully and solely responsible for the jobsite safety for such means, methods, techniques, sequences, or procedures. If the Contractor determines that such means, methods, techniques, sequences or procedures may not be safe, the Contractor shall give timely written notice to the County and Contract Administrator and shall not proceed with that portion of the Work without further written instructions from the County or Contract Administrator as approved in writing by the County.

The Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the performance of this Agreement. The Contractor shall take reasonable precautions for the safety of, and shall provide reasonable protection to prevent damage, injury or loss to: (a) employees and other persons who may be affected, (b) the Work and materials and equipment to be incorporated therein, whether in storage on or off the Project site(s), under care, custody or control of the Contractor or Contractor's subcontractors or sub-subcontractors, and (c) other property at the Project site(s) or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocation or replacement in the course

of construction. The Contractor shall give notices and comply with applicable laws, ordinances, rules, regulations and lawful orders of public authorities bearing on safety of persons or property or their protection from damage, injury or loss.

When use or storage of explosives or other hazardous materials or equipment or unusual methods are necessary for execution of the Work, the Contractor shall exercise utmost care and carry on such activities under supervision of properly qualified personnel. If reasonable precautions will be inadequate to prevent foreseeable bodily injury or death to persons resulting from a material or substance, including but not limited to asbestos or polychlorinated biphenyl (PCB), encountered on the Project site(s) by the Contractor, the Contractor shall, upon recognizing the condition, immediately stop Work in the affected area and report the condition to the County and Contract Administrator in writing.

G. Tests and Inspections. Tests, inspections and approvals of portions of the Work required by the Contract Documents or by laws, or ordinances, rules, regulations or orders of public authorities having jurisdiction shall be made promptly at an appropriate time to avoid unreasonable delay in the Work. Unless otherwise provided, the Contractor shall make arrangements for such tests, inspections and approvals with an independent testing laboratory or entity acceptable to the County, or with the appropriate public authority, and shall bear all related costs of tests, inspections and approvals. The Contractor shall give the Contract Administrator timely notice of when and where tests and inspections are to be made so that the Contract Administrator may be present for such procedures. Required permits or certificates of testing, inspection or approval shall, unless otherwise required by the Contract Documents, be secured by the Contractor and delivered to the Contract Administrator within ten (10) calendar days of issuance.

H. Budgetary Limitations. Contractor agrees and acknowledges that budgetary limitations are not a justification for breach of sound principals of Contractor's profession and industry. Contractor shall take no calculated risk in the performance of the Work. Specifically, Contractor agrees that, in the event it cannot perform the Work within the budgetary limitations established without disregarding sound principals of Contractor's profession and industry, Contractor will give written notice immediately to the County.

I. County's Reliance on the Work. The Contractor acknowledges and agrees that the County does not undertake to approve or pass upon matters of expertise of the Contractor and that therefore, the County bears no responsibility for Contractor's Work performed under this Agreement. The Contractor acknowledges and agrees that the acceptance of Work by the County is limited to the function of determining whether there has been compliance with what is required to be produced under this Agreement. The County will not, and need not, inquire into adequacy, fitness, suitability or correctness of Contractor's performance. Contractor further agrees that no approval of designs, plans, or specifications by any person, body, or agency shall relieve Contractor of the responsibility for adequacy, fitness, suitability, and correctness of Contractor's Work under professional and industry standards, or for performing services under this Agreement in accordance with sound and accepted professional and industry principles.

J. Contractor's Reliance on Submissions by the County. Contractor must have timely information and input from the County in order to perform the Work required under this Agreement. Contractor is entitled to rely upon information provided by the County, but

Contractor shall be required to provide immediate written notice to the County if Contractor knows or reasonably should know that any information provided by the County is erroneous, inconsistent, or otherwise problematic.

K. Uncovering and Correction of Work. If a portion of the Work is covered contrary to the Contract Administrator's request or to requirements specifically expressed in the Contract Documents, it must, if required in writing by the Contract Administrator, be uncovered for examination by the Contract Administrator and be replaced at the Contractor's expense without change in the Agreement Term.

If a portion of the Work has been covered which the Contract Administrator has not specifically requested to examine prior to its being covered or which the Contract Documents did not require to remain uncovered until examined, the Contract Administrator may request to see such Work, and it shall be uncovered by the Contractor. If such Work is in accordance with the Contract Documents, costs of uncovering and replacement shall, by appropriate Change Order, be at the County's expense, which expense shall be agreed upon in writing prior to being incurred. If such Work is not in accordance with the Contract Documents, correction shall be at the Contractor's expense, unless the condition was caused by the County, in which event the County shall be responsible for payment of such costs including reasonable charges, if any, by the Contract Administrator for additional service, which expense shall be agreed upon in writing prior to being incurred.

If the County prefers to accept Work that is not in accordance with the requirements of the Contract Documents, the County may do so instead of requiring its removal and correction, in which case the Maximum Contract Price will be reduced as appropriate and equitable. Such adjustment shall be effected whether or not final payment has been made.

L. Clean Up. Contractor shall keep the Project site(s) and surrounding area free from accumulation of waste materials or rubbish caused by operations under this Agreement. At completion of the Work, the Contractor shall remove from and about the Project waste materials, rubbish, the Contractor's tools, construction equipment, machinery and surplus materials. If the Contractor fails to clean up as provided in the Contract Documents, the County may do so, and the cost thereof shall be charged to the Contractor.

M. Contractor's Representative. _____ shall be authorized to act on Contractor's behalf with respect to the Work as Contractor's designated representative.

N. Independent Contractor. Contractor hereby covenants and declares that it is engaged in an independent business and agrees to perform the Work as an independent contractor and not as the agent or employee of the County. Nothing contained in this Agreement shall be construed to make the Contractor or any of its employees, servants or subcontractors an employee, servant or agent of the County for any purpose. The Contractor agrees to be solely responsible for its own matters relating to the time and place the Work is performed and the method used to perform such Work; the instrumentalities, tools, supplies, and/or materials necessary to complete the Work; hiring of subcontractors, agents, or employees to complete the Work; and the payment of employees, including benefits and compliance with Social Security, withholding, and all other regulations governing such matters. The Contractor agrees to be solely responsible for its own acts and those of its subordinates,

employees, and subcontractors during the life of this Agreement. There shall be no contractual relationship between any subcontractor or supplier and the County by virtue of this Agreement with the Contractor. Any provisions of this Agreement that may appear to give the County the right to direct Contractor as to the details of the services to be performed by Contractor or to exercise a measure of control over such services will be deemed to mean that Contractor shall follow the directions of the County with regard to the results of such services only. It is further understood that this Agreement is not exclusive, and the County may hire additional entities to perform Work related to this Agreement.

Inasmuch as the County and the Contractor are independent of each other, neither has the authority to bind the other to any third person or otherwise to act in any way as the representative of the other, unless otherwise expressly agreed to in writing signed by both Parties hereto. The Contractor agrees not to represent itself as the County's agent for any purpose to any party or to allow any employee of the Contractor to do so, unless specifically authorized, in advance and in writing, to do so, and then only for the limited purpose stated in such authorization. The Contractor shall assume full liability for any contracts or agreements the Contractor enters into on behalf of the County without the express knowledge and prior written consent of the County.

O. Responsibility of Contractor and Indemnification of County. The Contractor covenants and agrees to take and assume all responsibility for the Work rendered in connection with this Agreement. The Contractor shall bear all losses and damages directly or indirectly resulting to it and/or the County on account of the performance or character of the Work rendered pursuant to this Agreement. To the fullest extent permitted by law, Contractor shall defend, indemnify, and hold harmless the County and the County's elected and appointed officials, officers, boards, commissions, employees, representatives, consultants, servants, agents, attorneys and volunteers (individually an "Indemnified Party" and collectively "Indemnified Parties") from and against any and all claims, suits, actions, judgments, injuries, damages, losses, costs, expenses and liability of any kind whatsoever, including, but not limited to, attorney's fees and costs of defense ("Liabilities"), which may arise from or be the result of an alleged willful, negligent, or tortious act or omission arising out of the Work, performance of contracted services, or operations by the Contractor, any subcontractor, anyone directly or indirectly employed by the Contractor or subcontractor, or anyone for whose acts the Contractor or subcontractor may be liable, regardless of whether or not the act or omission is caused in part by a party indemnified hereunder. This indemnity obligation does not include Liabilities caused by or resulting from the sole negligence of an Indemnified Party. Such obligation shall not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity which would otherwise exist as to any party or person described in this provision.

In any and all claims against an Indemnified Party, by any employee of the Contractor, its subcontractor, anyone directly or indirectly employed by the Contractor or subcontractor, or anyone for whose acts the Contractor or subcontractor may be liable, the indemnification obligation set forth in this provision shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the Contractor or any subcontractor under workers' or workmen's compensation acts, disability benefit acts, or other employee benefit acts. This obligation to indemnify, defend, and hold harmless the Indemnified Party(ies) shall survive expiration or termination of this

Agreement, provided that the claims are based upon or arise out of actions or omissions that occurred during the performance of this Agreement.

P. Insurance.

(1) Requirements: The Contractor shall have and maintain in full force and effect for the duration of this Agreement, insurance insuring against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the Work by the Contractor, its agents, representatives, employees or subcontractors. All policies shall be subject to approval by the County as to form and content. These requirements are subject to amendment or waiver if so approved in writing by the County Manager.

(2) Minimum Limits of Insurance: Contractor shall maintain the following insurance policies with coverage and limits no less than: (adjust limits and coverages as necessary on a project-by-project basis)

(a) *Commercial General Liability*: $1,000,000 (one million dollars) combined single limit per occurrence comprehensive/ extended/enhanced Commercial General Liability policy with coverage including bodily and personal injury, sickness, disease or death, injury to or destruction of property, including loss of use resulting therefrom, damage to premises/operations, products/ completed operations, independent consultants and contractual liability (specifically covering the indemnity), broad-from property damage, and underground, explosion and collapse hazard. This coverage may be achieved by using an excess or umbrella policy. The policy or policies must be on "an occurrence" basis ("claims made" coverage is not acceptable). If a general aggregate limit applies, the general aggregate limit shall apply separately to this project/location, and the general aggregate limit shall be twice the required occurrence limit.

(b) *Commercial Automobile Liability (owned, non-owned, hired)*: $1,000,000 (one million dollars) combined single limit per occurrence $2,000,000 (two million dollars) aggregate for comprehensive Commercial Automobile liability coverage (owned, non-owned, hired) including bodily and personal injury, sickness, disease or death, injury to or destruction of property, including loss of use resulting therefrom.

(c) *Workers' Compensation and Employers' Liability*: Workers' Compensation policy with limits as required by the State of Georgia and Employers' Liability limits of $1,000,000 (one million dollars) per occurrence or disease. (If Contractor is a sole proprietor, who is otherwise not entitled to coverage under Georgia's Workers' Compensation Act, Contractor must secure Workers' Compensation coverage approved by both the State Board of Workers' Compensation and the Commissioner of Insurance. The amount of such coverage shall be the same as what is otherwise required of employers entitled to coverage under the Georgia Workers' Compensation Act. Further, the Contractor shall provide a certificate of insurance indicating that such coverage has been secured and

that no individual has been excluded from coverage.)

If higher limits are maintained by Contractor than shown above, the County shall be entitled to coverage for any additional insurance proceeds in excess of the specified minimum limits maintained by the Contractor.

(3) Deductibles and Self-Insured Retentions: Any deductibles or self-insured retentions must be declared to and approved by the County in writing so that the County may ensure the financial solvency of the Contractor; self-insured retentions should be included on the certificate of insurance.

(4) Other Insurance Provisions: Each policy shall contain, or be endorsed to contain, the following provisions respectively:

(a) General Liability, Automobile Liability and Umbrella Liability Coverage.

(i) *Additional Insured Requirement*. The County and County's elected and appointed officials, officers, boards, commissioners, employees, representatives, consultants, servants, agents and volunteers (individually "Insured Party" and collectively "Insured Parties") shall be named as additional insureds as respects: liability arising out of activities performed by or on behalf of the Contractor; products and completed operations of the Contractor; premises owned, leased, or used by the Contractor; automobiles owned, leased, hired, or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the Insured Parties. Nothing contained in this section shall be construed to require the Contractor to provide liability insurance coverage to any Insured Party for claims asserted against such Insured Party for its sole negligence.

(ii) *Primary Insurance Requirement*. The Contractor's insurance coverage shall be primary noncontributing insurance as respects to any other insurance or self-insurance available to the Insured Parties. Any insurance or self-insurance maintained by the Insured Parties shall be in excess of the Contractor's insurance and shall not contribute with it.

(iii) *Reporting Requirement*. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the Insured Parties.

(iv) *Separate Coverage*. Coverage shall state that the Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to limits of insurance provided.

(v) *Defense Costs/Cross Liability*. Coverage shall be provided on a "pay on behalf" basis, with defense costs payable in addition to

policy limits. There shall be no cross-liability exclusion.

(vi) *Subrogation*. The insurer shall agree to waive all rights of subrogation against the Insured Parties for losses arising from Work performed by the Contractor for the County.

(b) Workers' Compensation Coverage: The insurer providing Workers' Compensation Coverage will agree to waive all rights of subrogation against the Insured Parties for losses arising from Work performed by the Contractor for the County.

(c) All Coverages:

(i) *Notice Requirement*. Each insurance policy required by this Agreement shall be endorsed to state that coverage shall not be reduced, suspended, voided, or canceled except after thirty (30) calendar days' prior written notice (or 10 calendar days if due to non-payment) has been given to the County. In addition, Contractor shall provide written notice to County at least thirty (30) days prior to any reduction, suspension, voiding, or cancellation of coverage. The County reserves the right to accept alternate notice terms and provisions, provided they meet the minimum requirements under Georgia law.

(ii) *Starting and Ending Dates*. Policies shall have concurrent starting and ending dates.

(iii) *Incorporation of Indemnification Obligations*. Policies shall include a Project-specific endorsement incorporating the indemnification obligations assumed by the Contractor under the terms of this Agreement, including but not limited to Section 7(O) of this Agreement.

(5) Acceptability of Insurers: The insurance to be maintained by Contractor must be issued by a company licensed or approved by the Insurance Commissioner to transact business in the State of Georgia. Such insurance shall be placed with insurer(s) with an A.M. Best Policyholder's rating of no less than "A-" and with a financial rate of Class VII or greater. The Contractor shall be responsible for any delay resulting from the failure of its insurer to provide proof of coverage in the proscribed form.

(6) Verification of Coverage: Contractor shall furnish to the County for County approval certificates of insurance and endorsements to the policies evidencing all coverage required by this Agreement prior to the start of work. Without limiting the general scope of this requirement, Contractor is specifically required to provide an endorsement naming the County as an additional insured when required. The certificates of insurance and endorsements for each insurance policy are to be on a form utilized by Contractor's insurer in its normal course of business and are to be

signed by a person authorized by that insurer to bind coverage on its behalf, unless alternate sufficient evidence of their validity and incorporation into the policy is provided. The County reserves the right to require complete, certified copies of all required insurance policies at any time. The Contractor shall provide proof that any expiring coverage has been renewed or replaced prior to the expiration of the coverage.

(7) Subcontractors: Contractor shall either (1) ensure that its insurance policies (as described herein) cover all subcontractors and the Work performed by such subcontractors or (2) ensure that any subcontractor secures separate policies covering that subcontractor and its Work. All coverage for subcontractors shall be subject to all of the requirements stated in this Agreement, including, but not limited to, naming the Insured Parties as additional insureds.

(8) Claims-Made Policies: Contractor shall extend any claims-made insurance policy for at least six (6) years after termination or final payment under the Agreement, whichever is later, and have an effective date which is on or prior to the Effective Date.

(9) Progress Payments: The making of progress payments to the Contractor shall not be construed as relieving the Contractor or its subcontractor or insurance carriers from providing the coverage required in this Agreement.

Q. Payment and Performance Bonds. In accordance with O.C.G.A. § 32-4-69, for road construction/maintenance contracts valued at five thousand dollars ($5,000.00) or more, or in any other instance where the County has elected to include such bond requirements as exhibits to this Agreement, the Contractor shall provide Performance and Payment Bonds on the forms attached hereto as "**Exhibits F.1 and F.2**" and with a surety licensed to do business in Georgia and listed on the Treasury Department's most current list (Circular 570 as amended). Upon the request of any person or entity appearing to be a potential beneficiary of bonds covering payment of obligations arising under this Agreement, the Contractor shall promptly furnish a copy of the bonds or shall permit a copy to be made.

R. Bridge Bond. In accordance with O.C.G.A. § 32-4-70, when the scope of work to be completed herein includes the construction or reconstruction of all or a part of a bridge, the Performance Bond referenced above shall include the following condition: **to keep the bridge in good condition for a period of not less than seven (7) years**. As used herein, the term "bridge" shall include the approaches to such bridge within 50 feet of either end except when the bridge itself measures 100 feet or more, in which case the term "bridge" shall include the approaches within 100 feet of either end of the bridge.

S Assignment of Agreement. The Contractor covenants and agrees not to assign or transfer any interest in, or delegate any duties of this Agreement, without the prior express written consent of the County. As to any approved subcontractors, the Contractor shall be solely responsible for reimbursing them, and the County shall have no obligation to them.

T. Employment of Unauthorized Aliens Prohibited – *E-Verify Affidavits*. Pursuant to O.C.G.A. § 13-10-91, the County shall not enter into a contract for the physical performance of services unless the Contractor provides evidence on County-provided

forms, attached hereto as "**Exhibits G.1 and G.2**," that it and its subcontractors have registered with, are authorized to use and use the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91, and that they will continue to use the federal work authorization program throughout the contract period.

The Contractor hereby verifies that it has, prior to executing this Agreement, executed a notarized affidavit, the form of which is provided in "**Exhibit G.1**," and submitted such affidavit to County. In the event the Contractor employs or contracts with any subcontractor(s) in connection with the covered contract, the Contractor agrees to secure from such subcontractor(s) attestation of the subcontractor's compliance with O.C.G.A. § 13-10-91 by the subcontractor's execution of the subcontractor affidavit, the form of which is attached hereto as "**Exhibit G.2**," which subcontractor affidavit shall become part of the contractor/subcontractor agreement. If a subcontractor affidavit is obtained, Contractor agrees to provide a completed copy to the County within five (5) business days of receipt from any subcontractor.

The above requirements shall be in addition to the requirements of State and federal law and shall be construed to be in conformity with those laws.

U. Records, Reports and Audits.

(1) Records:

(a) Books, records, documents, account legers, data bases, and similar materials relating to the Work performed for the County under this Agreement ("Records") shall be established and maintained by the Contractor in accordance with applicable law and requirements prescribed by the County with respect to all matters covered by this Agreement. Except as otherwise authorized or required, such Records shall be maintained for at least three (3) years from the date that final payment is made to Contractor by County under this Agreement. Furthermore, Records that are the subject of audit findings shall be retained for three (3) years or until such audit findings have been resolved, whichever is later.

(b) All costs claimed or anticipated to be incurred in the performance of this Agreement shall be supported by properly executed payrolls, time records, invoices, contracts, or vouchers, or other official documentation evidencing in proper detail the nature and propriety of the charges. All checks, payrolls, invoices, contracts, vouchers, orders, or other accounting documents pertaining in whole or in part to this Agreement shall be clearly identified and readily accessible.

(2) Reports and Information: Upon request, the Contractor shall furnish to the County any and all Records in the form requested by the County. All Records stored on a computer database must be of a format compatible with the County's computer systems and software.

(3) Audits and Inspections: At any time during normal business hours and as often as

the County may deem necessary, Contractor shall make available to the County or County's representative(s) for examination all Records. The Contractor will permit the County or County's representative(s) to audit, examine, and make excerpts or transcripts from such Records. Contractor shall provide proper facilities for County or County's representative(s) to access and inspect the Records, or, at the request of the County, shall make the Records available for inspection at the County's office. Further, Contractor shall permit the County or County's representative(s) to observe and inspect any or all of Contractor's facilities and activities during normal hours of business for the purpose of evaluating Contractor's compliance with the terms of this Agreement. In such instances, the County or County's representative(s) shall not interfere with or disrupt such activities.

V. Confidentiality. Contractor acknowledges that it may receive confidential information of the County and that it will protect the confidentiality of any such confidential information and will require any of its subcontractors, contractors, and/or staff to likewise protect such confidential information. The Contractor agrees that confidential information it receives or such reports, information, opinions, or conclusions that Contractor creates under this Agreement shall not be made available to, or discussed with, any individual or organization, including the news media, without prior written approval of the County. Contractor shall exercise reasonable precautions to prevent the unauthorized disclosure and use of County information whether specifically deemed confidential or not.

Contractor acknowledges that the County's disclosure of documentation is governed by Georgia's Open Records Act, and Contractor further acknowledges that, if Contractor submits records containing trade secret information and if Contractor wishes to keep such records confidential, Contractor must submit and attach to such records an affidavit affirmatively declaring that specific information in the records constitutes trade secrets pursuant to Article 27 of Chapter 1 of Title 10, and the Parties shall follow the requirements of O.C.G.A. § 50-18-72(a)(34) related thereto.

W. Licenses, Certifications and Permits. The Contractor covenants and declares that it has obtained all diplomas, certificates, licenses, permits, or the like required of the Contractor by any and all national, state, regional, county or local boards, agencies, commissions, committees or other regulatory bodies in order to perform the Work contracted for under this Agreement; provided that some permits or licenses related to the Project may be obtained as part of the Work and shall be obtained as required. The Contractor shall secure and pay for the building permit and other permits and governmental fees, licenses and inspections necessary for proper execution and completion of the Work, which are customarily secured after execution of the Agreement and which are legally required. Contractor shall furnish copies of such permits, licenses, etc. to the County within ten (10) days after issuance.

X. Authority to Contract. The Contractor covenants and declares that it has obtained all necessary approvals of its board of directors, stockholders, general partners, limited partners, or similar authorities to simultaneously execute and bind Contractor to the terms of this Agreement, if applicable.

Y. Ownership of Work. All reports, designs, drawings, plans, specifications, schedules, work

product, and other materials, including those in electronic form, prepared or in the process of being prepared for the Work to be performed by the Contractor ("Materials") shall be the property of the County, and the County shall be entitled to full access and copies of all Materials in the form prescribed by the County. Any Materials remaining in the hands of the Contractor or subcontractor upon completion or termination of the Work shall be delivered immediately to the County whether or not the Project or Work is commenced or completed, provided, however, that Contractor may retain a copy of any deliverables for its records. The Contractor assumes all risk of loss, damage or destruction of or to Materials. If any Materials are lost, damaged, or destroyed before final delivery to the County, the Contractor shall replace them at its own expense. Any and all copyrightable subject matter in all Materials is hereby assigned to the County, and the Contractor agrees to execute any additional documents that may be necessary to evidence such assignment.

Z. Nondiscrimination. In accordance with Title VI of the Civil Rights Act of 1964, as amended, 42 U.S.C. § 2000d, section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. § 6102, section 202 of the Americans with Disabilities Act of 1990, 42 U.S.C. § 12132, and all other provisions of Federal law, the Contractor agrees that, during performance of this Agreement, Contractor, for itself, its assignees and successors in interest, will not discriminate against any employee or applicant for employment, any subcontractor, or any supplier because of race, color, creed, national origin, gender, age or disability. In addition, Contractor agrees to comply with all applicable implementing regulations and shall include the provisions of this paragraph in every subcontract for services contemplated under this Agreement.

Section 8. Covenants of the County

A. Right of Entry. County shall provide for right of entry for Contractor and Contractor's equipment as required for Contractor to complete the Work; provided that Contractor shall not unreasonably encumber the Project site(s) with materials or equipment.

B. County's Representative. _____ shall be authorized to act on County's behalf with respect to the Work as the County's designated representative on this Project; provided that any changes to the Work or the terms of this Agreement must be approved as provided in Section 6 above.

Section 9. Final Project Documents; Warranty

A. Final Project Documents. Prior to final payment, Contractor shall deliver to County a written assignment of all warranties, guaranties, certificates, permits, and other documents, including without limitation, all contractors' and manufacturers' warranties. At such time, Contractor shall also deliver to the County copies of all as-built drawings, operations, and maintenance manuals, and any other pertinent documents relating to the construction and operation of the Work that is not otherwise in the possession of the County.

B. Warranty. The Contractor warrants to the County and the Contract Administrator that materials and equipment furnished under the Agreement will be of good quality and new, unless otherwise required or permitted by the Contract Documents, that the Work will be free from defects not inherent in the quality required or permitted, and that the Work will conform to the requirements of the Contract Documents. Work not conforming to these

requirements, including substitutions not properly approved and authorized, is considered defective. This warranty excludes remedy for damage or defect caused by abuse by the County or modifications to the Work not executed by the Contractor or an employee/subcontractor/sub-subcontractor thereof.

Section 10. Termination

A. For Convenience. The County may terminate this Agreement for convenience at any time upon providing written notice thereof to Contractor at least seven (7) calendar days in advance of the termination date.

B. For Cause. The Contractor shall have no right to terminate this Agreement prior to completion of the Work, except in the event of County's failure to pay the Contractor within thirty (30) calendar days of Contractor providing the County with notice of a delinquent payment and an opportunity to cure. The County may terminate this Agreement for cause as provided in Section 11 of this Agreement. The County shall give Contractor at least seven (7) calendar days' written notice of its intent to terminate the Agreement for cause and the reasons therefor, and if Contractor, or its Surety, fails to cure the default within that period, the termination shall take place without further notice. The County shall then make alternative arrangements for completion of the Project.

C. For Lack of Appropriations. This Agreement shall terminate immediately and absolutely at such time as appropriated or otherwise unobligated funds are no longer available to satisfy the obligation of the County.

D. Payment. Provided that no damages are due to the County for Contractor's failure to perform in accordance with this Agreement, and except as otherwise provided herein, the County shall, upon termination for convenience or statutory termination, pay Contractor for Work performed prior to the date of termination in accordance with Section 5 herein. The County shall have no further liability to Contractor for such termination. At its sole discretion, the County may pay Contractor for additional value received as a result of Contractor's efforts, but in no case shall said payment exceed any remaining unpaid portion of the Maximum Contract Price.

If this Agreement is terminated for cause, the County will make no further payment to the Contractor or its Surety until the Project is completed and all costs of completing the Project are paid. If the unpaid balance of the amount due the Contractor, according to this Agreement, exceeds the cost of finishing the Project, County shall provide payment to the Contractor (or its Surety) for services rendered and expenses incurred prior to the termination date, provided that such payment shall not exceed the unpaid balance of the amount otherwise payable under this Agreement minus the cost of completing the Project. If the costs of completing the Project exceed the unpaid balance, the Contractor or its Surety shall pay the difference to the County.

E. Assumption of Contracts. The County reserves the right in termination for cause to take assignment of all contracts between the Contractor and its subcontractors, vendors, and suppliers. The County will promptly notify the Contractor of the contracts the County elects to assume. Upon receipt of such notice, the Contractor shall promptly take all steps necessary to effect such assignment.

F. Conversion to Termination for Convenience. If the County terminates this Agreement for cause and it is later determined that the County did not have grounds to do so, the termination will be converted to and treated as a termination for convenience under the terms of Section 10(A) above.

G. Requirements Upon Termination. Upon termination, the Contractor shall: (1) promptly discontinue all services, cancel as many outstanding obligations as possible if requested to do so by the County, and not incur any new obligations, unless the County directs otherwise; and (2) promptly deliver to the County all data, drawings, reports, summaries, and such other information and materials as may have been generated or used by the Contractor in performing this Agreement, whether completed or in process, in the form specified by the County.

H. Reservation of Rights and Remedies. The rights and remedies of the County and the Contractor provided in this Section are in addition to any other rights and remedies provided under this Agreement or at law or in equity.

Section 11. County's Rights; Contractor Default

A. County Rights Related to the Work.

(i) *County's Right to Stop the Work.* If the Contractor fails to correct Work which is not in accordance with the requirements of the Contract Documents, as required by the Contract Administrator, or persistently fails to carry out Work in accordance with the Contract Documents, the County may issue a written order to the Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, the right of the County to stop the Work shall not give rise to a duty on the part of the County to exercise this right for the benefit of the Contractor or any other person or entity. Such a stoppage of Work shall not extend the Expected Date of Final Completion of the Work.

(ii) *County's Right to Carry Out the Work.* If the Contractor defaults or neglects to carry out the Work in accordance with the Contract Documents and fails within a seven (7) calendar day period after receipt of written notice from the County to commence and/or continue correction of such default or neglect with diligence and promptness, the County may, without prejudice to other remedies the County may have, correct such deficiencies. In such case, an appropriate Change Order shall be issued deducting from payments then or thereafter due the Contractor the reasonable cost of correcting such deficiencies, including County's expenses and compensation for the Architect/Engineer's and/or Contract Administrator's additional services (if any) made necessary by such default, neglect or failure. If payments then or thereafter due the Contractor are not sufficient to cover such amounts, the Contractor shall pay the difference to the County.

B. Contractor Default. For the purposes of this Agreement, Contractor shall be in default if any of the following occur during the Term of this Agreement: (a) a failure to fulfill in a timely and proper manner Contractor's obligations under this Agreement; (b) Contractor violates any of the material provisions, agreements, representations or covenants of this Agreement or any applicable County, state, or federal laws, which do not fall within the force majeure provisions of this Agreement; (c) the Contractor becomes insolvent or unable to pay its debts as they

mature, or makes an assignment for the benefit of creditors, or files a bankruptcy petition under the United States Bankruptcy Code; or (d) Contractor is the subject of a judgment or order for payment of money, which judgment or order exceeds $100,000 and is no longer subject to appeal or, in the opinion of the County, would be fruitless to appeal and where (i) such judgment or order shall continue un-discharged or unpaid for a period of thirty (30) calendar days, (ii) an insurer acceptable to the County has not acknowledged that such judgment or order is fully covered by a relevant policy of insurance, or (iii) the County is otherwise reasonably satisfied that such judgment or order is not likely to be satisfied or complied with within sixty (60) calendar days of its issuance.

In the event of Contractor's default under this Agreement, the County shall send written notice to the Contractor setting forth the specific instances of the default and providing the Contractor with at least seven (7) calendar days to cure or otherwise remedy the default to the reasonable satisfaction of the County. If the default is not remedied during the stated cure period, then the County may, at its election: (a) in writing terminate the Agreement in whole or in part; (b) cure such default itself and charge the Contractor for the costs of curing the default against any sums due or which become due to the Contractor under this Agreement; and/or (c) pursue any other remedy then available, at law or in equity, to the County for such default.

Section 12. Miscellaneous

A. Complete Agreement. This Agreement, including all of the Contract Documents, constitutes the complete agreement between the Parties and supersedes any and all other agreements, either oral or in writing, between the Parties with respect to the subject matter of this Agreement. No other agreement, statement, or promise relating to the subject matter of this Agreement not contained in this Agreement or the Contract Documents shall be valid or binding. This Agreement may be modified or amended only by a written document signed by representatives of both Parties with appropriate authorization.

B. Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Georgia without regard to choice of law principles. If any action at law or in equity is brought to enforce or interpret the provisions of this Agreement, the rules, regulations, statutes and laws of the State of Georgia will control. Any action or suit related to this Agreement shall be brought in the Superior Court of Dawson County, Georgia, or applicable U.S. District Court, and Contractor submits to the jurisdiction and venue of such court.

C. Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original, but all of which together shall constitute one and the same instrument.

D. Invalidity of Provisions; Severability. Should any article(s) or section(s) of this Agreement, or any part thereof, later be deemed illegal, invalid or unenforceable by a court of competent jurisdiction, the offending portion of the Agreement should be severed, and the remainder of this Agreement shall remain in full force and effect to the extent possible as if this Agreement had been executed with the invalid portion hereof eliminated, it being the intention of the Parties that they would have executed the remaining portion of this Agreement without including any such part, parts, or portions that may for any reason be hereafter declared invalid.

E. Business License. Prior to commencement of the Work to be provided hereunder, Contractor shall apply to the County for a business license, pay the applicable business license fee, and maintain said business license during the Term of this Agreement, unless Contractor provides evidence that no such license is required.

F. Notices.

(1) *Communications Relating to Day-to-Day Activities.*

All communications relating to the day-to-day activities of the Work shall be exchanged between **_____ (name), County's _____ (title), or his/her designee**, for the County and _____, for the Contractor.

(2) *Official Notices.*

All other notices, requests, demands, writings, or correspondence, as required by this Agreement, shall be in writing and shall be deemed received, and shall be effective, when (1) personally delivered, or (2) on the third calendar day after the postmark date when mailed by certified mail, postage prepaid, return receipt requested, or (3) upon actual delivery when sent *via* national overnight commercial carrier to the Party at the addresses given below, or at a substitute address previously furnished to the other Party by written notice in accordance herewith:

NOTICE TO COUNTY shall be sent to:

Dawson County Government
c/o Purchasing Manager
25 Justice Way, Suite 2322
Dawsonville, Georgia 30524

NOTICE TO CONTRACTOR shall be sent to:

_____
Attn: _____, President
_____
_____, Georgia 300___

G. Waiver of Agreement. No failure by the County to enforce any right or power granted under this Agreement, or to insist upon strict compliance by Contractor with this Agreement, and no custom or practice of the County at variance with the terms and conditions of this Agreement shall constitute a general waiver of any future breach or default or affect the County's right to demand exact and strict compliance by Contractor with the terms and conditions of this Agreement. Further, no express waiver shall affect any term or condition other than the one specified in such waiver, and that one only for the time and manner specifically stated.

H. Survival. All sections of this Agreement which by their nature should survive termination will survive termination, including, without limitation, confidentiality obligations,

warranties, and insurance maintenance requirements.

I. Sovereign Immunity. Nothing contained in this Agreement shall be construed to be a waiver of the County's sovereign immunity or any individual's qualified good faith or official immunities.

J. No Personal Liability. Nothing herein shall be construed as creating any individual or personal liability on the part of any of County's elected or appointed officials, officers, boards, commissions, employees, representatives, consultants, servants, agents, attorneys or volunteers. No such individual shall be personally liable to the Contractor or any successor in interest in the event of any default or breach by the County or for any amount which may become due to the Contractor or successor or on any obligation under the terms of this Agreement. Likewise, Contractor's performance of services under this Agreement shall not subject Contractor's individual employees, officers, or directors to any personal liability, except where Contractor is a sole proprietor. The Parties agree that their sole and exclusive remedy, claim, demand, or suit shall be directed and/or asserted only against Contractor or the County, respectively, and not against any elected or appointed official, officers, boards, commissions, employees, representatives, consultants, servants, agents, attorneys and volunteers.

K. Force Majeure. Neither the County nor Contractor shall be liable for their respective non-negligent or non-willful failure to perform or shall be deemed in default with respect to the failure to perform (or cure a failure to perform) any of their respective duties or obligations under this Agreement or for any delay in such performance due to: (i) any cause beyond their respective reasonable control; (ii) any act of God; (iii) any change in applicable governmental rules or regulations rendering the performance of any portion of this Agreement legally impossible; (iv) earthquake, fire, explosion, or flood; (v) strike or labor dispute, excluding strikes or labor disputes by employees and/or agents of Contractor; (vi) delay or failure to act by any governmental or military authority; or (vii) any war, hostility, embargo, sabotage, civil disturbance, riot, insurrection, or invasion. In such event, the time for performance shall be extended by an amount of time equal to the period of delay caused by such acts, and all other obligations shall remain intact.

L. Headings. All headings herein are intended for convenience and ease of reference purposes only and in no way define, limit, or describe the scope or intent thereof, or of this Agreement, or in any way affect this Agreement.

M. No Third-Party Rights. This Agreement shall be exclusively for the benefit of the Parties and shall not provide any third parties with any remedy, claim, liability, reimbursement, cause of action or other right.

N. Successors and Assigns. Subject to the provision of this Agreement regarding assignment, each Party binds itself, its partners, successors, assigns, and legal representatives to the other Party hereto, its partners, successors, assigns, and legal representatives with respect to all covenants, agreements, and obligations contained in the Contract Documents.

O. Agreement Construction and Interpretation. Contractor represents that it has reviewed and become familiar with this Agreement. The Parties hereto agree that, if an ambiguity or question of intent or interpretation arises, this Agreement is to be construed as if the

Parties had drafted it jointly, as opposed to being construed against a Party because it was responsible for drafting one or more provisions of the Agreement. In the interest of brevity, the Contract Documents may omit modifying words such as "all" and "any" and articles such as "the" and "an," but the fact that a modifier or an article is absent from one statement and appears in another is not intended to affect the interpretation of either statement.

P. Material Condition. Each term of this Agreement is material, and Contractor's breach of any term of this Agreement shall be considered a material breach of the entire Agreement and shall be grounds for termination or exercise of any other remedies available to the County at law or in equity.

Q. Use of Singular and Plural. Words or terms used as nouns in the Agreement shall be inclusive of their singular and plural forms, unless the context of their usage clearly requires contrary meaning.

[SIGNATURES ON FOLLOWING PAGE]

IN WITNESS WHEREOF, the County and the Contractor have executed this Agreement effective as of the Effective Date first above written.

CONTRACTOR:

_____

By: _____
(print name here), (title)

ATTEST:

By: _____ [Affix Corporate Seal]

Print Name: _____

Title: _____

COUNTY:

DAWSON, GEORGIA, by and through its Board of Commissioners

By: _____
Billy Thurmond, Chair

ATTEST:

By: _____ [Affix County Seal]
Kristen Cloud, County Clerk

EXHIBIT A

SCOPE OF WORK / PROJECT DESIGN MATERIALS

EXHIBIT B

CONTRACTOR'S BID/QUOTE MATERIALS

EXHIBIT C

GENERAL CONDITIONS
Applicable GDOT Standard Specifications and Supplemental Specifications

EXHIBIT D

SPECIAL CONDITIONS

EXHIBIT E

ADDITIONAL PAYMENT TERMS/RETAINAGE REQUIREMENTS

A. Defined Terms. Terms used in this Agreement shall have their ordinary meaning, unless otherwise defined below or elsewhere in the Contract Documents.

(i) "Substantial Completion" means when the Work or designated portion thereof is complete in accordance with the Contract Documents so that any remaining Work includes only (1) Minor Items that can be completed or corrected within the following thirty (30) calendar days, (2) Permitted Incomplete Work that will be completed by the date agreed upon by the Parties, and (3) any Warranty Work. Substantial Completion shall require complete operation of all applicable building systems including, but not limited to, mechanical, electrical, plumbing, fire protection, fire alarm, telecom, data, security, elevators, life safety, and accessibility (if any).

(ii) "Minor Item" means a portion or element of the Work that can be finally complete within thirty (30) calendar days.

(iii) "Permitted Incomplete Work" means Work that is incomplete through no fault of the Contractor, as determined by the County in its sole discretion.

(iv) "Final Completion" means when the Work has been completed in accordance with terms and conditions of the Contract Documents.

B. Payment for Work Completed and Costs Incurred. County agrees to pay the Contractor for the Work performed and costs incurred by Contractor upon certification by the Contract Administrator and the County that the Work was actually performed and costs actually incurred in accordance with this Agreement. Payment shall be based on the value of the Work completed, as provided in the Contract Documents, plus the value of materials and equipment suitably stored, insured, and protected at the construction site, and, only if approved in writing by the County (which approval shall be given at the sole discretion of the County), such materials and equipment suitably stored, insured, and protected off site at a location approved by the County in writing, less retainage (as described below). Compensation for Work performed and reimbursement for costs incurred shall be paid to the Contractor upon receipt and approval by the County of invoices setting forth in detail the Work performed and costs incurred, along with all supporting documents required by the Contract Documents or requested by the County to process the invoice. Invoices shall be submitted on a monthly basis, and such invoices shall reflect costs incurred versus costs budgeted. Each invoice shall be accompanied by an Interim Waiver and Release upon Payment (or a Waiver and Release upon final payment in the case of the invoice for final payment) procured by the Contractor from all subcontractors in accordance with O.C.G.A. § 44-14-366.

The County shall pay the Contractor within thirty (30) calendar days after approval of the invoice by County staff, less any retainage as described in Section D below. No payments will be made for unauthorized work. Payment will be sent to the designated address by U. S. Mail only; payment will not be hand-delivered, though the Contractor may arrange to pick up payments directly from the County or may make written requests for the County to deliver payments to the Contractor by Federal Express delivery at the Contractor's expense.

C. Evaluation of Payment Requests. The Contract Administrator will evaluate the Contractor's applications for payment and will either issue to the County a Certificate for Payment (with a copy of the Contractor's application for payment) for such amount as the Contract Administrator determines is properly due, or notify the Contractor and County in writing of the Contract Administrator's reasons for withholding certification in whole or in part. The Contract Administrator may reject Work that does not conform to the Contract Documents and may withhold a Certificate of Payment in whole or in part, to the extent reasonably necessary to protect the County. When the reasons for withholding certification are removed, certification will be made for amounts previously withheld.

Even following a Certificate of Payment, the County shall have the right to refuse payment of any invoice or part thereof that is not properly supported, or where requests for payment for Work or costs are in excess of the actual Work performed or costs incurred, or where the Work product provided is unacceptable or not in conformity with the Contract Documents, as determined by the County in its sole discretion. The County shall pay each such invoice or portion thereof as approved, provided that neither the approval or payment of any such invoice, nor partial or entire use or occupancy of the Project by the County, shall be considered to be evidence of performance by the Contractor to the point indicated by such invoice, or of receipt or acceptance by the County of Work covered by such invoice, where such work is not in accordance with the Contract Documents.

D. Final Payment and Retainage. The County and Contractor shall comply with the provisions of O.C.G.A. § 13-10-80. The Contractor through each invoice may request payment of no more than ninety-five percent (95%) of that portion of the Work completed during the term covered by such invoice. Payment for the remaining five percent (5%) of Work completed and covered by such invoices shall be retained by the County until Substantial Completion. At the discretion of the County and with the written approval of the Contractor, the retainage of each subcontractor may be released separately as the subcontractor completes his or her work.

At Substantial Completion of the Work and as the Contract Administrator determines the Work to be reasonably satisfactory, the County shall, within thirty (30) days after the invoice and other appropriate documentation as may be required by the Contract Documents are provided to the County, pay the retainage to the Contractor. If at that time there are any remaining incomplete Minor Items or Permitted Incomplete Work, an amount equal to 200 percent of the value of each Minor Item or Permitted Incomplete Work, as determined by the Contract Administrator in its sole discretion, shall be withheld until such item, items or work are completed. The reduced retainage shall be shared by the Contractor and subcontractors as their interests may appear.

The Contractor shall, within ten (10) days from its receipt of retainage from the County, pass through payments to subcontractors and shall reduce each subcontractor's retainage in the same

manner as the Contractor's retainage is reduced by the County; provided, however that the work of the subcontractor is proceeding satisfactorily and the subcontractor has provided or provides such satisfactory reasonable assurances of continued performance and financial responsibility to complete his or her work including any warranty work as the Contractor in his or her reasonable discretion may require, including, but not limited to, a payment and performance bond.

The subcontractor shall, within ten (10) days from the subcontractor's receipt of retainage from the Contractor, pass through payments to lower tier subcontractors and shall reduce each lower tier subcontractor's retainage in the same manner as the subcontractor's retainage is reduced by the Contractor; provided, however that the work of the lower tier subcontractor is proceeding satisfactorily and the lower tier subcontractor has provided or provides such satisfactory reasonable assurances of continued performance and financial responsibility to complete his or her work including any warranty work as the subcontractor in his or her reasonable discretion may require, including, but not limited to, a payment and performance bond.

Final payment of any retained amounts to the Contractor shall be made after certification by the Contract Administrator that the Work has been satisfactorily completed and is accepted in accordance with the Contract Documents.

Neither final payment nor any remaining retainage shall become due until the Contractor submits to the Contract Administrator (1) an affidavit that payrolls, bills for materials and equipment, and other indebtedness connected with the Work for which the County or County property might be responsible or encumbered (less amounts withheld by County) have been paid or otherwise satisfied, (2) a certificate evidencing that insurance, required by the Contract Documents to remain in force after final payment, is currently in effect and will not be canceled or allowed to expire until at least thirty (30) calendar days prior written notice has been given to the County; (3) a written statement that the Contractor knows of no substantial reason that the insurance will not be renewable to cover the period required by the Contract Documents, (4) consent of surety, if any, to final payment, (5) a release or waiver of liens, claims, security interests, and encumbrances by all subcontractors and material suppliers, and (6), if required by the County, other data establishing payment or satisfaction of obligations, such as receipts, to the extent and in such form as may be designated by the County. If a subcontractor or material supplier refuses to furnish a release or waiver as required by the County, the Contractor may furnish a bond satisfactory to the County to indemnify the County against such lien. If such lien remains unsatisfied after payments are made, the Contractor shall refund to the County all money that the County may be compelled to pay in discharging such lien, including all costs and reasonable attorneys' fees.

Acceptance of final payment by the Contractor, a subcontractor or material supplier shall constitute a waiver of claims by that payee, except those claims previously made in writing and identified by that payee as unsettled at the time of final application for payment.

EXHIBITS F.1 AND F.2

FORMS OF PERFORMANCE AND PAYMENT BONDS

EXHIBIT F.1

STATE OF GEORGIA
COUNTY OF DAWSON

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS THAT

_____ company

(as Contractor, hereinafter referred to as the "Principal"), and

_____

(as Surety Company, hereinafter referred to as the "Contractor's Surety"), are held and firmly bound unto the Dawson County, a political subdivision of the State of Georgia (as Owner, hereinafter referred to as the "County"), for the use and benefit of the County, in the sum of _____ **Dollars (**$_____**.00)**, lawful money of the United States of America, for the payment of which the Principal and the Contractor's Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered, or is about to enter, into a certain written agreement with the County for the construction of a project known as _____ **COUNTY ROAD PROJECT** (hereinafter referred to as the "Project"), which agreement is incorporated herein by reference in its entirety (hereinafter referred to as the "Contract").

NOW THEREFORE, the conditions of this obligation are as follows:

1. That if the Principal shall fully and completely perform each and all of the terms, provisions and requirements of the Contract, including and during the period of any warranties or guarantees required thereunder, and all modifications, amendments, changes, deletions, additions, and alterations thereto that may hereafter be made, and if the Principal and the Contractor's Surety shall

indemnify and hold harmless the County from any and all losses, liability and damages, claims, judgments, liens, costs and fees of every description, including but not limited to, any damages for delay, which the County may incur, sustain or suffer by reason of the failure or default on the part of the Principal in the performance of any and all of the terms, provisions, and requirements of the Contract, including all modifications, amendments, changes, deletions, additions, and alterations thereto, and any warranties or guarantees required thereunder, then this obligation shall be void; otherwise to remain in full force and effect;

2. In the event of a failure of performance of the Contract by the Principal, which shall include, but not be limited to, any breach or default of the Contract:

   a. The Contractor's Surety shall commence performance of its obligations and undertakings under this Bond no later than thirty (30) calendar days after written notice from the County to the Contractor's Surety; and

   b. The means, method or procedure by which the Contractor's Surety undertakes to perform its obligations under this Bond shall be subject to the advance written approval of the County.

The Contractor's Surety hereby waives notice of any and all modifications, omissions, additions, changes, and advance payments or deferred payments in or about the Contract, and agrees that the obligations undertaken by this Bond shall not be impaired in any manner by reason of any such modifications, omissions, additions, changes, and advance payments or deferred payments.

The Parties further expressly agree that any action on this Bond may be brought within the time allowed by Georgia law for suit on contracts under seal.

3. In accordance with O.C.G.A. § 32-4-70, when the Project scope of work includes the construction or reconstruction of all or a part of a bridge, an additional term of this Performance Bond shall be that the Contractor is required to keep the bridge in good

condition for a period of not less than seven (7) years. As used herein, the term "bridge" shall include the approaches to such bridge within 50 feet of either end except when the bridge itself measures 100 feet or more, in which case the term "bridge" shall include the approaches within 100 feet of either end of the bridge.

(signature page follows)

IN WITNESS WHEREOF, the Principal and Contractor's Surety have hereunto affixed their corporate seals and caused this obligation to be signed by their duly authorized officers or attorneys-in-fact, as set forth below.

CONTRACTOR:

_____

By: _____ (signature)

_____ (printed)

Title: _____ (SEAL)

Date: _____

Attest:

_____ (signature)

_____ (printed)

Title: _____

Date:_____ _____

CONTRACTOR'S SURETY:

_____

By: _____ (signature)

_____ (printed)

Title: _____ (SEAL)

Date: _____

Attest:

_____ (signature)

_____ (printed)

Title: _____

Date:_____ _____

(ATTACH SURETY'S POWER OF ATTORNEY)

EXHIBIT F.2

STATE OF GEORGIA
COUNTY OF DAWSON

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS THAT

_____ company

(as Contractor, hereinafter referred to as the "Principal"), and

_____

(as Surety Company, hereinafter referred to as the "Contractor's Surety"), are held and firmly bound unto Dawson County, a political subdivision of the State of Georgia (as Owner, hereinafter referred to as the "County"), for the use and benefit of any "Claimant," as hereinafter defined, in the sum of **_____ Dollars ($_____.00)**, lawful money of the United States of America, for the payment of which the Principal and the Contractor's Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered, or is about to enter, into a certain written agreement with the County for the construction of a project known as **_____ COUNTY ROAD REPAIR PROJECT** (hereinafter referred to as the "Project"), which agreement is incorporated herein by reference in its entirety (hereinafter referred to as the "Contract").

NOW THEREFORE, the condition of this obligation is such that if the Principal shall promptly make payment to any Claimant, as hereinafter defined, for all labor, services, and materials used or reasonably required for use in the performance of the Contract, then this obligation shall be void; otherwise to remain in full force and effect.

A "Claimant" shall be defined herein as any Subcontractor, person, Party, partnership, corporation, or other entity furnishing labor, services, or materials used or reasonably required for use in the performance of the Contract, without regard to whether such labor, services, or materials were sold, leased, or rented, and without regard to whether such Claimant is or is not in privity of the Contract with the Principal or any

Subcontractor performing Work on the Project.

In the event of any claim made by the Claimant against the County, or the filing of a Lien against the property of the County affected by the Contract, the Contractor's Surety shall either settle or resolve the Claim and shall remove any such Lien by bond or otherwise as provided in the Contract.

The Parties further expressly agree that any action on this Bond may be brought within the time allowed by Georgia law for suit on contracts under seal.

[SIGNATURES ON FOLLOWING PAGE]

IN WITNESS WHEREOF, the Principal and Contractor's Surety have hereunto affixed their corporate seals and caused this obligation to be signed by their duly authorized officers, as set forth below.

CONTRACTOR:

_____ **company**

_____

By: _____ (signature)

_____ (printed)

Title: _____ (SEAL)

Date: _____

Attest:

_____ (signature)

_____ (printed)

Title: _____

Date:_____ _____

CONTRACTOR'S SURETY:

_____

By: _____ (signature)

_____ (printed)

Title: _____ (SEAL)

Date: _____

Attest:

_____ (signature)

_____ (printed)

Title: _____

Date:_____ _____

(ATTACH SURETY'S POWER OF ATTORNEY)

EXHIBIT G.1

STATE OF GEORGIA
COUNTY OF DAWSON

CONTRACTOR AFFIDAVIT AND AGREEMENT

By executing this affidavit, the undersigned contractor verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, firm, or corporation which is engaged in the physical performance of services on behalf of Dawson, Georgia, has registered with, is authorized to use, and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91.

Furthermore, the undersigned contractor will continue to use the federal work authorization program throughout the contract period, and the undersigned contractor will contract for the physical performance of services in satisfaction of such contract only with subcontractors who present an affidavit to the contractor with the information required by O.C.G.A. § 13-10-91(b).

Contractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

_____
Federal Work Authorization User Identification Number

_____
Date of Authorization

_____
Name of Contractor

COUNTY ROAD PROJECT
Name of Project

DAWSON COUNTY, GEORGIA
Name of Public Employer

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

Executed on _____ ___, 20___ in _____ (county), _____ (state).

_____
Signature of Authorized Officer or Agent

_____
Printed Name and Title of Authorized Officer or Agent

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

_____
Notary Public
My Commission Expires:

[NOTARY SEAL]

EXHIBIT G.2

STATE OF GEORGIA
COUNTY OF DAWSON

SUBCONTRACTOR AFFIDAVIT

By executing this affidavit, the undersigned subcontractor verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, firm or corporation which is engaged in the physical performance of services under a contract with _____ company, on behalf of Dawson County, Georgia, has registered with, is authorized to use, and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91. Furthermore, the undersigned subcontractor will continue to use the federal work authorization program throughout the contract period, and the undersigned subcontractor will contract for the physical performance of services in satisfaction of such contract only with sub-subcontractors who present an affidavit to the subcontractor with the information required by O.C.G.A. § 13-10-91(b). Additionally, the undersigned subcontractor will forward notice of the receipt of an affidavit from a sub-subcontractor to the contractor within five (5) business days of receipt. If the undersigned subcontractor receives notice that a sub-subcontractor has received an affidavit from any other contracted sub-subcontractor, the undersigned subcontractor must forward, within five (5) business days of receipt, a copy of the notice to the contractor.

Subcontractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

_____
Federal Work Authorization User Identification Number

_____
Date of Authorization

_____
Name of Contractor

COUNTY ROAD PROJECT
Name of Project

DAWSON COUNTY, GEORGIA
Name of Public Employer

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

Executed on _____ ___, 20___ in _____ (county), _____ (state).

_____
Signature of Authorized Officer or Agent

_____
Printed Name and Title of Authorized Officer or Agent

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

_____
Notary Public
My Commission Expires:

[NOTARY SEAL]

CERTIFICATE OF INSURANCE TO FOLLOW

SPECIAL PROVISIONS AND CONSTRUCTION PLANS

NOTICE TO ALL BIDDERS

CONTRACTOR TO UTILIZE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, LATEST EDITION, (WHERE APPLICABLE) FOR ALL TECHINCAL SPECIFICATIONS NOT REFERENCED IN THESE CONTRACT DOCUMENTS.

CONTRACTOR TO UTILIZE ALL CURRENT APPLICABLE SPECIAL PROVISIONS AND SUPPLEMENTAL GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, LATEST EDITION (WHERE APPLICABLE).

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL PROVISION

SECTION 107 — LEGAL REGULATIONS AND RESPONSIBILITY TO THE PUBLIC

ACQUISITION OF RIGHT OF WAY: The County does not presently have possession of all the proposed right of way and/or temporary/permanent easements as shown on the plans. The Contractor is to verify possession through the County before entering upon property off the Existing Right of Way. It is the County's intent to have all the right of way/easements acquired prior to issuance of the Notice to Proceed.

SECTION 108 - PROSECUTION AND PROGRESS

Retain Sub-Section 108.08 as written and add the following: 108.08.
108.8.C: Intermediate Completion
For this Project, the following items of work and corresponding intermediation completion times are required:
1. Covered Milled Area

    a. Failure to cover each milled area within thirty (30) days will result in the assessment of Liquidated Damages at a rate of $1,000.00 per calendar day
2. Complete Paving Operations
    a. Failure to complete all paving operations, excluding patching, (e.g., shoulder clipping, asphalt shoulder widening, milling, leveling, resurfacing, etc.) within sixty (60) calendar days from the start date of any of the paving operations, will result in the assessment of Liquidated Damages at a rate of $1,000.00 per calendar day
3. Traffic Loop Replacement
    a. Failure to replace traffic loops and have operational within the designated time as specified in section 150.6.C will result in Liquidated Damages at a rate of $1,000.00 per calendar day
4. Lane Closures
    a. Contractor shall work 5 days per week Monday-Friday. Contractor must request to work nights and weekends 2 weeks in advance. No work shall occur in the travel lanes from 6:00 am – 8:00 am and from 3:00 pm – 6:00 pm Monday – Friday.
    b. Failure to reopen travel lanes as specified in section will result in Liquidated Damages at a rate of $1,000.00 per hour or portion thereof

First Use Date 2021 Specifications: April 16, 2021

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL PROVISION

Section 103—Award and Execution of Contract
(90 Day Clause)

Delete paragraph one of Subsection 103.02 and substitute the following:

If a Contract is Awarded, it will be Awarded to the lowest reliable bidder whose Proposal shall have met all the prescribed requirements. The Contract will be Awarded, if at all, within 90 calendar days after the opening of the Proposals, unless a longer period is specified in the Proposal or the successful Bidder agrees in writing to a longer period for the Award.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SUPPLEMENTAL SPECIFICATION

Section 107—Legal Regulations and Responsibility to the Public

107.01 Laws to Be Observed

The Contractor shall keep fully informed of all Federal and State laws, all local laws, ordinances, codes, and regulations and all orders and decrees of bodies or tribunals having any jurisdiction or authority, which in any manner affect those engaged or employed on The Work, or which in any way affect the conduct of The Work. The Contractor shall at all times observe and comply with all such laws, ordinances, codes, regulations, orders, decrees, and permits; and shall protect and indemnify the Department and its representatives against any claim or liability arising from or based on the violation of any such law, ordinance, code, regulation, order, decrees, and permits, whether by himself, his employees, subcontractors, or agents.

107.02 Permits and Licenses

The Contractor shall procure all permits and licenses, pay all charges, taxes, and fees, and give all notices necessary and incidental to the due and lawful prosecution of The Work.

107.03 Patented Devices

If the Contractor employs any design, device, material, or process covered by letters of patent or copyright, he shall provide for such use by suitable legal agreement with the patentee or owner. The Contractor and the surety shall indemnify and save harmless the Department from any and all claims for infringement by reason of the use of any such patented design, device, material, or process, or any trademark or copyright, and shall indemnify the Department for any costs, expenses, and damages which it may be obliged to pay by reason of any infringement, at any time during the prosecution or after the completion of The Work.

107.04 Restoration of Surfaces Opened by Permit

The right to construct or reconstruct any utility service in the highway or street and to grant permits for the same at any time, is expressly reserved by the Department for the proper authorities of the municipality or county in which The Work is done and the Contractor shall not be entitled to any damages either for the digging up of the street or highway, or for any delay occasioned thereby.

Any individual, firm, or corporation wishing to make an opening in the street or highway must secure a permit from the Department. The Contractor shall allow parties bearing such permits, and only those parties, to make openings in the street or highway. When ordered by the Engineer, the Contractor shall make in an acceptable manner all necessary repairs due to such openings and such necessary work will be paid for as extra work, or as provided in the Specifications, and will be subject to the same conditions as original work performed.

107.05 Federal-Aid Provisions

When the United States Government pays all or any part of the cost of a project, the Federal laws and the rules and regulations made pursuant to such laws must be observed by the Contractor, and The Work shall be subject to the

inspection of the appropriate Federal agency. Such inspection shall in no sense make the Federal Government a party to this Contract and will in no way interfere with the rights of either party hereunder.

107.06 Sanitary Provisions

The Contractor shall provide and maintain in a neat, sanitary condition such accommodations for the use of his employees as may be necessary to comply with the requirements of the State Department of Health and other authorities having jurisdiction and shall permit no public nuisance.

107.07 Public Convenience and Safety

The Contractor shall at all times so conduct The Work as to assure the least possible obstruction of traffic. The safety and convenience of the general public and the residents along the highway and the protection of persons and property shall be provided for by the Contractor as specified under Subsection 104.05, Subsection 107.09, Section 150, the project plans, and special provisions.

Traffic whose origin and destination are within the limits of the project shall be provided ingress and egress at all times unless otherwise specified in the plans or special provisions. The ingress and egress include entrance and exit via driveways at the various properties, and access to the intersecting roads and streets. The Contractor shall maintain sufficient personnel and equipment on the project at all times, particularly during inclement weather, to ensure that ingress and egress are provided when and where needed.

Two-way traffic shall be maintained at all times unless otherwise specified or approved. The Contractor shall not stop traffic without permission granted by the Engineer.

All equipment used on The Work shall come equipped with factory-installed mufflers, or manufacturer's recommended equivalent, in good condition. These mufflers shall be maintained in good condition throughout the construction period.

107.08 Railroad-Highway Provisions

All work to be performed by the Contractor on a railroad company's right-of-way or property shall be done in a manner satisfactory to the chief engineer of the railroad company, or his authorized representative, and shall be performed at such times and in such manner as not to unnecessarily interfere with the movement of trains or traffic upon the track of the railroad company. The Contractor shall use all reasonable care and precaution in order to avoid accidents, damage, or unnecessary delay or interference with the railroad company's trains or other property, or property of tenants of railroad company.

The Contractor shall notify the railroad company and obtain its approval before commencing work on the railroad company's right-of-way or property.

The Contractor shall determine what measures are required by the railroad company to protect its operations and right-of-way or property during construction. Such protection may include the use of a flagger or flaggers provided by the railroad company. The Contractor shall be responsible for ensuring that the required protection is provided and shall pay the railroad company directly for any and all such services which may be required to accomplish the construction unless otherwise specified.

Any temporary grade crossings or other means needed during construction by the Contractor for transporting materials of any nature and/or equipment across the railroad tracks will be the responsibility of the Contractor to handle directly with the railroad company and bear all costs incidental to such crossings including flagging services provided by the railroad company.

A *Special Provisions for the Protection of Railroad Interests* may be included in the proposal to stipulate insurance and other requirements of the railroad company.

107.09 Barricades and Danger, Warning, and Detour Signs

The Contractor shall furnish, install, and maintain all necessary and required barricades, signs, and other traffic control devices in accordance with these Specifications, project plans, special provisions, and the MUTCD, and take all necessary precautions for the protection of The Work and safety of the public.

Unless otherwise specified, all traffic control devices furnished by the Contractor shall remain the property of the Contractor.

107.10 Forest Protection

In carrying out work within or adjacent to State or National Forests, or any other forests, parks, or other public or private lands, the Contractor shall obtain necessary permits and comply with all of the regulations of the appropriate authorities having jurisdiction over such forest, park, or lands. The Contractor shall keep the areas in an orderly condition, dispose of all refuse, obtain permits for the construction and maintenance of all construction camps, stores, warehouses, residences, latrines, cesspools, septic tanks, and other structures in accordance with the requirements of the appropriate authority.

The Contractor shall take all reasonable precautions to prevent and suppress forest fires and shall require his employees and subcontractors, both independently and at the request of forest officials, to do all reasonably within their power to prevent and suppress and to assist in preventing and suppressing forest fires; to notify a forest official at the earliest possible moment of the location and extent of any fire seen by them; and to extinguish or aid in extinguishing nearby fires.

107.11 Construction Over or Adjacent to Navigable Waters

A. Navigation to Be Protected

Since navigable waterways are under the jurisdiction of the United States Coast Guard and/or the United States Army Corps of Engineers, all work done in, over, on or adjacent to such waters shall comply with their requirements. Free navigation shall not be impeded, and navigable depths shall be maintained.

The Contractor shall comply with permits issued by the United States Coast Guard and/or the United States Army Corps of Engineers, and the Contractor shall obtain and comply with other permits in accordance with the requirements of Subsection 107.02.

Special Provisions for environmental protection may be included in the proposal to stipulate environmental commitments and other requirements.

B. Obstructions to be Removed

When the construction has progressed enough to permit removal, all falsework, piling and other obstructions shall be removed to the satisfaction of the Federal agency having jurisdiction. In all cases such clearing must be done thoroughly before The Work will be accepted by the Department.

107.12 Use of Explosives

When the use of explosives is necessary for the prosecution of The Work, the Contractor shall exercise the utmost care not to endanger life or property, and shall obey all State, Federal and other Governmental regulations applying to transportation, storage, use, and control of such explosives. The Contractor shall be completely responsible for any and all damage resulting from the transportation, storage, use, and control of explosives in the prosecution of The Work by the Contractor, the Contractor's agents, or employees; and shall hold the Department harmless from all claims of damages resulting in any manner therefrom.

The Contractor shall notify each public utility owner having structures or other installations, above or below ground, near the site of The Work of his intention to use explosives. Such notice shall be given sufficiently in advance to enable

the utility owners to take such steps as they may deem necessary to protect their property from injury. Such notice shall not relieve the Contractor of responsibility for all damages resulting from his blasting operations.

All explosives shall be stored securely in compliance with all laws and ordinances, and all such storage places shall be clearly marked DANGEROUS EXPLOSIVES. Explosives and detonators shall be stored in separate storage facilities in separate areas. Where no laws or ordinances apply, locked storage shall be provided satisfactory to the Engineer, never closer than 1,000 ft. (300 m) from any travel-road, building, or camping area.

In all cases where the transport, storage, or use of explosives is undertaken, such activities shall be controlled and directed by fully qualified representatives of the Contractor.

Whenever electric detonators are used, all radio transmitters shall be turned off within a radius of 500 ft. (150 m). No blasting supplies shall be transported in vehicles with two-way radio unless the transmitter is turned off, or extra shielding precautions are taken. Appropriate signs shall be placed so as to give ample warning to anyone driving a vehicle equipped with two-way radio. Electrical detonators will not be used within 500 ft. (150 m) of a railroad.

Submit a blasting plan to the Engineer a minimum of five working days prior to use of explosives that provides details of the proposed blasting plan, including, but not limited to, the type and amount of explosives, the shot sequence, the description of and distance to the closest inhabitable structure, and other information as requested by the Engineer. Submission of blasting plan does not relieve the contractor of the responsibility for the adequate and safe performance of the blasting.

107.13 Protection and Restoration of Property and Landscape

A. General Provisions

The Contractor shall be responsible for the preservation of all public and private property, crops, fish ponds, trees, monuments, highway signs and markers, fences, grassed and sodded areas, etc. along and adjacent to the highway, and shall use every precaution necessary to prevent damage or injury thereto, unless the removal, alteration, or destruction of such property is provided for under the Contract. The Contractor shall use suitable precaution to prevent damage to all underground structures, whether shown on the Plans or not, and shall protect carefully from disturbance or damage, all land monuments and property marks until the Engineer has witnessed or otherwise referenced their location and shall not move them until directed. The Contractor shall not willfully or maliciously injure or destroy trees or shrubs and shall not remove or cut them without proper authority.

The Contractor shall be responsible for all sheet piling, shoring, underpinning, etc., as may be required for the protection of abutting property, nearby buildings, streets, and the like.

The Contractor shall be responsible for all damage or injury to property of any character, during the prosecution of The Work, resulting from any act, omission, neglect, or misconduct in his manner or method of executing The Work, or at any time due to defective work or materials, and said responsibility will not be released until the project shall have been completed and accepted.

The Contractor shall plan, coordinate, and prosecute The Work so that disruption to personal property and business is held to a practical minimum.

No resident or business shall be denied vehicular access to their property for any length of time other than as determined by the Engineer is absolutely necessary. Where two or more existing driveways are present for a business, only one existing driveway shall be closed at any time. All construction areas abutting lawns and yards of residential or commercial property shall be restored promptly. Backfilling of each drainage structure or section of curb and gutter, sidewalk, or driveway shall be accomplished as soon as adequate strength is obtained. Finishing, dressing, and grassing shall be accomplished immediately thereafter as a continuous operation within each area being constructed with emphasis placed on completing each individual yard or business frontage. Care shall be taken to provide positive drainage to avoid ponding or concentration of runoff.

Handwork, including raking and smoothing, shall be required to ensure that roots, sticks, rocks, and other debris are removed in order to provide a neat and pleasing appearance. Grassing, when in season, shall immediately follow in order to establish permanent cover at the earliest date. If grassing is not in season, proper erosion control shall be installed and maintained.

The Work described above shall be in addition to that required by Subsection 104.07, *Final Cleaning Up* and Subsection 105.16, *Final Inspection and Acceptance*.

B. Erosion and Siltation Control

The Contractor shall take all necessary measures throughout the life of the Project to control erosion and silting of rivers, streams, and impoundments (lakes, reservoirs, etc.). Construction of drainage facilities as well as performance of other Contract work which will contribute to the control of erosion and siltation shall be carried out in conjunction with clearing and grubbing, and earthwork operations as stipulated in Section 161.

C. Pollution

The Contractor shall exercise every reasonable precaution throughout the life of the Contract to prevent pollution of rivers, streams or impoundments. Pollutants such as chemicals, fuels, lubricants, bitumens, raw sewage and other harmful waste shall not be discharged into or alongside rivers, streams, and impoundments, or into natural or manmade channels leading thereto. The Contractor shall also comply with the applicable regulations of other State and Federal departments and to all governmental statues relating to the prevention and abatement of pollution.

D. Insect Control Regulations

The Plant Pest Control Division of the U.S. Department of Agriculture and the Georgia State Department of Agriculture restrict the movement of certain items from areas infested with Japanese Beetles or Imported Fire Ants so as to prevent the spread of these pests to non-infested areas. Where insect infested areas are shown on the plans, Contractors will control their operations in such a manner as to comply fully with the requirements of Section 155.

E. Reclamation of Material Pits and Waste Disposal Areas

Whenever or wherever the Contractor obtains material from a source or wastes material on an area other than within the Right-of-Way, regardless of the fashion, manner or circumstances for which the source or area is obtained, it shall be reclaimed in accordance with the requirements of Section 160.

F. Mailboxes

The property owner shall have the responsibility for removing and relocating the mailbox to an area outside construction limits.

The Engineer will mark a point for the relocation of the box. The stake should be set so that the location of the box will be convenient to both the mail carrier and the patron, yet not interfering with the proposed work. It may be necessary for the Engineer to confer with the Post Office serving the area.

The Contractor shall notify each affected owner, in writing, that their mailbox is in conflict with the proposed construction, that they have ten days to relocate the box and that, after the expiration of the 10 days' notice, if the owner has not relocated the box, it shall be removed by the Contractor and laid upon the owner's property, clear of the right-of-way.

Any cost to the Contractor for removing the mailboxes as stated above shall be included in the price bid for other items.

G. Failure to Comply

Failure of the Contractor to comply with any of the above provisions or to install erosion prevention items included in the Contract at the time specified, will be evidence of omission and neglect, and the Contractor will be liable for damages as outlined in Subsection 107.13.H below. Furthermore, the Engineer shall withhold payment on all Contract Items until such time as the Contractor complies in full with all of the aforesaid provisions.

H. Payment for Damages

When or where any direct or indirect damage or injury is done to public or private property by or on account of any act, omission, neglect, or misconduct in the execution of The Work, or in consequence of the nonexecution thereof by the Contractor, the Contractor shall restore, at his own expense, such property to a condition similar or

equal to that existing before such damage or injury was done, by repairing, rebuilding or otherwise restoring as may be directed, or shall make good such damage or injury in an acceptable manner.

I. Compensation

All costs pertaining to any requirement contained herein shall be included in the overall bid submitted unless such requirement is designated as a separate Pay Item in the proposal.

107.14 Load Restrictions

It is hereby agreed between the Department and the Contractor that in the performance of The Work under the Contract, the following load restrictions and stipulations shall be in full force and effect during the life of the Contract:

A. Parties Affected

The load restrictions and stipulations contained herein shall be applicable to the equipment of the Contractor; each agent or subcontractor employed by the Contractor; and each person or persons, firm, partnership, corporation or any combination thereof, hauling materials, supplies or equipment to or on the project, by or for the Contractor.

B. Within Project Limits

No hauling equipment which is loaded beyond those limits provided by State Law shall be permitted on any portion of the new or existing pavement structure except that such loads will be permitted on non-stabilized bases and subbases prior to placing roadway paving subject to the provisions of Subsection 107.17.

Axle loads and gross weight limits will be evaluated in accordance with current Georgia Law.

All damage caused by any equipment to any permanent installation or portion of The Work shall be promptly repaired by the Contractor at his expense. When it becomes necessary to cross existing pavement with excessive loads, the Contractor shall provide and remove, at his own expense, proper cushioning by means of earth blanket or otherwise as directed.

C. Outside Project Limits

All equipment users included in Subsection 107.14.A, above, operating equipment on roads outside the project limits shall be governed by the following regulations:

1. No vehicle shall carry any load in excess of that specified by Georgia Law.
2. On County system roads the maximum total gross weight shall not exceed 56,000 lbs. (25,400 kg) unless a vehicle is making a pickup or delivery on such roads.
3. For a specific individual trip the above weight limitations may be exceeded provided a special permit is obtained from the Department for each such movement. A special permit will not relieve the Contractor of liability for damage that may result from such a movement. Refer to O.C.G.A §32-6-26 Weight of Vehicle and Load, SB54 (2011) for compliance with weight limitations and exceptions.
4. Authorized personnel of the Department of Public Safety shall be permitted to weigh each truck hauling material to the Project whenever the Department so desires. The owner of each truck shall instruct his operators to cooperate with and assist the truck weighers in every way possible.
5. A Certified Public Weigher operating under the provisions of Standard Operating Procedure 15 shall not dispatch any vehicle loaded with material to be incorporated into the Project when the gross vehicle weight exceeds the limit established by law.
6. Ready Mix Concrete trucks shall comply with load restrictions as specified in Laboratory Standard Operating Procedure 10, *Quality Assurance for Concrete Plants in Georgia*.

D. Responsibilities

It will be the responsibility of the Contractor to advise his personnel, and all equipment users included in Subsection 107.14.A, as to the load restrictions and stipulations contained herein.

E. Excess Loads and Violations

If multiple violations assignable to a given Certified Public Weigher are occurring, that Certified Public Weigher may be suspended from weighing materials dispatched to Department of Transportation projects.

107.15 Responsibility for Damage Claims

The Contractor shall indemnify and save harmless the Department, its officers and employees, from all suits, actions, or claims of any character brought because of any injuries or damage received or sustained by any person, persons, or property on account of the operations of the said Contractor; or on account of or in consequence of any neglect in safe-guarding The Work; or through use of unacceptable materials in constructing The Work; or because of any act of omission, neglect or misconduct of said Contractor; or because of any claims or amounts recovered from any infringements of patent, trademark, or copyright; or from any claims or amounts arising or recovered under the Workmen's Compensation Act, or any other law, ordinance, order, or decree; and so much of the money due the said Contractor under and by virtue of his Contract as may be considered necessary by the Department for such purpose may be withheld for the use of the State; or, in case no money is due, his surety may be held until such suit or suits, action or actions, claim or claims for injuries or damages as aforesaid shall have been settled and suitable evidence to that effect furnished to the Department; except that money due the Contractor will not be withheld when the Contractor produces satisfactory evidence that he is adequately protected by public liability and property damage insurance.

107.16 Opening Sections of Project to Traffic

Whenever any bridge or section of roadway is in acceptable condition for travel, the Engineer may direct that it be opened to traffic, whether or not the opening was originally provided for, and such opening shall not be held to be in any way an acceptance of the bridge or roadway, or any part thereof, or as a waiver of any of the provisions of the Contract. Necessary repairs or renewals made on any section of the roadway or bridge thus opened to traffic under instructions from the Engineer, due to defective material or work, or to any cause other than ordinary wear and tear, pending completion and acceptance of the roadway, bridge, or other work, shall be done by the Contractor, without additional compensation. Also, the Contractor shall not receive additional compensation for completing The Work except as specified in Subsection 104.03.

If the Contractor is dilatory in completing shoulders, drainage structures, or other features of work, the Engineer may so notify him in writing and establish therein a reasonable period of time in which The Work should be completed. If the Contractor is dilatory or fails to make a reasonable effort toward completion in this period of time, the Engineer may then order all or a portion of the Project opened to traffic. On such sections which are so ordered to be opened, the Contractor shall conduct the remainder of his construction operations so as to cause the least obstruction to traffic and shall not receive any added compensation due to the added cost of The Work by reason of opening such section to traffic.

On any section opened to traffic under any of the above conditions, whether stated in the Special Provisions or opened by necessity of Contractor's operations, or unforeseen necessity, any damage to the highway not attributable to traffic which might occur on such section (except slides) shall be repaired by the Contractor at his expense. The removal of slides shall be done by the Contractor on a basis agreed to prior to the removal of such slides.

107.17 Contractor's Responsibility for The Work

From the first day the Contractor begins work, or from the date Contract Time commences, whichever occurs first, until written final acceptance of the project by the Engineer, the Contractor shall have the charge and care thereof and shall take every precaution against injury or damage to any part thereof by the action of the elements or from any other cause, whether arising from the execution or from the non-execution of The Work. The Contractor shall rebuild, repair,

restore, and make good all injuries or damages to any portion of The Work occasioned by any of the above causes before final acceptance and shall bear the expense thereof except that the Department may, in its discretion, reimburse the Contractor for the repair of damage to The Work due to unforeseeable causes beyond the control of and without the fault or negligence of the Contractor, including but not restricted to acts of God, of the public enemy or of governmental authorities. The Contractor's responsibility for damages and injuries is defined in Subsection 104.05.A.

In case of suspension of work from any cause whatsoever, the Contractor shall be responsible for the Project and shall take such precautions as may be necessary to prevent damage to the Project, provide for normal drainage and shall erect any necessary temporary structures, signs, or other facilities at his expense.

107.18 Acquisition of Right-of-Way

Rights-of-Way for the project will be obtained by the Department, in coordination with local governments and others. However, the Contractor's access to the portions of the right-of-way may be restricted. Where such restrictions are known in advance to the Department they will be listed in the bid proposal. Delays to the progress of The Work may be encountered because of restricted access to portions of the right-of-way. When such delays occur, whether caused by restrictions listed in the bid proposal or restrictions that develop after the Contract is signed, the parties agree in executing the Contract that such delays do not constitute breach of the Contract. Delays in availability of right-of-way beyond those listed in the bid proposal, or that develop after the Contract has been signed, that impact the controlling Item or Items of The Work will not be charged against the Contract Time. Additional compensation for such delays shall not be paid, except as provided in Subsection 105.13, *Claims for Adjustments and Disputes*, or Subsection 109.09, *Termination Clause*. In the event the Department is unable to acquire right-of-way needed for the project, resulting in delay to or termination of the project, such situation will also be controlled by this Section, and will not constitute a breach of the Contract by the Department.

107.19 Personal Liability of Public Officials

In carrying out any of the provisions of the Contract or in exercising any power or authority granted to the Board, Commissioner, Chief Engineer, their agents and employees, by the Contract, there shall be no liability, either personally or as officials or representatives of the Department, it being understood that in all such matters they act solely as agents and representatives of the Department.

107.20 No Waiver of Legal Rights

Upon completion of The Work, the Department will expeditiously make final inspection and notify the Contractor of acceptance. Such final acceptance, however, shall not preclude or estop the Department from correcting any measurement, estimate, or certificate made before or after completion of The Work, nor shall the Department be precluded or estopped from recovering from the Contractor or his Surety, or both, such over-payment as it may sustain, or by failure on the part of the Contractor to fulfill his obligations under the Contract. A waiver on the part of the Department of any breach of any part of the Contract shall not be held to be a waiver of any other or subsequent breach.

The Contractor, without prejudice to the terms of the Contract, shall be liable to the Department for latent defects, fraud, or such gross mistakes as may amount to fraud, or as regards the Department's rights under any warranty or guaranty.

107.21 General Description

The Contractor shall designate, prior to beginning any work, a Worksite Utility Coordination Supervisor (WUCS) who shall be responsible for initiating and conducting utility coordination meetings and accurately recording and reporting the progress of utility relocations and adjustment work. Also, the WUCS shall prepare an Emergency Response Plan for the purpose of planning, training, and communicating among the agencies responding in the event of an emergency. The WUCS shall be the primary point of contact between all of the Utility companies, the Contractor and the Department. The WUCS shall recommend the rate of reoccurrence for utility coordination meetings and the

Engineer will have the final decision on the regularity for utility coordination meetings. In no case will utility coordination meetings occur less than monthly until controlling items of utility relocations and adjustment milestones are completed. The WUCS shall contact each of the utility companies for the purpose of obtaining information including, but not limited to, a Utility Adjustment Schedule (UAS) for the controlling items of utility relocations and adjustments. The WUCS shall notify the appropriate utility company and/or utility subcontractors and the Department of the status of controlling items of relocations and adjustment milestones as they are completed. The WUCS shall furnish the Engineer, for approval, a progress schedule chart, immediately following the receipt of the Notice to Proceed unless otherwise specified, which includes the utility companies controlling items of work and other information in accordance with Section 108.03 or elsewhere in the Contract documents.

The WUCS shall cooperate with the companies of any underground or overhead utility facilities in their removal, relocations or adjustment work in order that these operations may progress in a reasonable manner, and that duplication of this work may be reduced to a minimum, and services rendered by those parties will not be unnecessarily interrupted. To promote this effort the WUCS shall prepare an agenda for the utility coordination meetings and circulate same in advance of the meeting to encourage input and participation from all the utility companies. The agenda will be prepared by an examination of the project site and should include photographs of potential/actual utility conflicts.

A. Qualifications

The WUCS shall be an employee of the Prime Contractor, shall have at least one year experience directly related to highway and utility construction in a supervisory capacity and have a complete understanding of the Georgia Utilities Protection Center operations, and shall be trained on the Georgia Utility Facility Protection Act (GUFPA). The Department does not offer any training on GUFPA.

The Prime Contractor is responsible for obtaining the GUFPA training for their employees.

Questions concerning the Georgia Public Service Commission GUFPA training program should be directed to:

Georgia Public Service Commission
244 Washington St. SW
Atlanta, GA 30334-5701
404.463.9784

B. Ticket Status

During the utility coordination meetings, the WUCS shall collect and maintain the Ticket Status information to determine the status of all locate requests within the project limits. This information will be used to assure those planning to use mechanized equipment to excavate or work within the project limits are prepared to begin work when they have reported or estimated beginning work. At points where the Contractor's or utility company's operations are adjacent to or conflict with overhead or underground utility facilities, or are adjacent to other property, damage to which might result in considerable expense, loss, or inconvenience, work shall not commence until all arrangements necessary for the protection thereof have been made.

C. Notice

The names of known utility companies and the location of known utility facilities will be shown on the plans or listed in the Subsurface Utility Engineering Investigation if performed or in the special provisions; and the WUCS shall give 24-hour notice to such utility companies before commencing work adjacent to said utility facilities which may result in damage thereto. The WUCS shall further notify utility companies of any changes in the Contractor's work schedules affecting required action by the utility company to protect or adjust their facilities. Notice to the utility companies by the Department of the Award of Contract, under Subsection 105.06, shall not be deemed to satisfy the notice required by this paragraph. Furthermore, this 24-hour notice shall not satisfy or fulfill the requirements of the Contractor as stated in Chapter 9 of Title 25 of the Official Code of Georgia Annotated, known as the *Georgia Utility Facility Protection Act*.

D. Utility Coordination (UC) Meeting

The WUCS is responsible for holding meetings and communicating with each Utility Owner, the Department, and/or the Department's representative as necessary to timely accomplish the Utility Adjustments in compliance with the UAS. To promote this effort the WUCS shall give at least seven (7) calendar days advanced notice of each scheduled meeting, prepare an agenda [which includes (a) status/updates of the last meeting, (b) any outstanding issues/concerns with utility relocation activities etc.] for the UC meetings and circulate same in advance of the meeting to encourage input and participation from all of the utility companies.

The WUCS must prepare the meeting minutes of all UC meetings and distribute the same to all Utility Companies (regardless of their attendance) within seven (7) calendar days of the UC meeting. If any Utility Company fails to attend these meetings and/or provide required updates on their relocation work, the WUCS must inform the District Utility Manager (DUM) or designee of these details.

The WUCS shall record the weather delay details (which includes the rainy days and non-productive days) and provide this information in the UC meeting minutes.

E. Emergency Response Plan

The WUCS shall prepare and submit Emergency Utility Response Plan (EURP) within 30 days following the receipt of the Notice to Proceed. The EURP shall indicate the project location (which includes street address and or major intersections/major highway route, if possible with a land mark) that would be reported in case of an emergency, WUCS, Emergency Utility Coordinator (EUC), utility company name, utility company emergency contact information to include but not limited to emergency phone number, response time for emergency, working condition of devices needed to facilitate prompt shut off, and primary point of contact name and phone number for the project.

Emergency Utility Coordinator (EUC) shall be an employee of the Prime Contractor and shall notify the appropriate utility company and/or utility subcontractors in case of an emergency. EURP must include the contact details of the EUC, if WUCS is not the primary emergency utility coordinator for this project.

The plan will also include a means of reporting emergencies and the Utility Emergency Response Information for each company. The WUCS/EUC shall post the EURP in an area readily accessible to the Department and project personnel. Also, WUCS shall distribute the copies of EURP by e-mail and hard copy to GDOT Area Engineer, GDOT Construction Project Manager, Contractor's project manager, superintendent, and all approved sub-contractors whose work can be in conflict with utilities facilities, personnel of each facility/owner/operator who has facilities within the project limits and keep a copy in close proximity to active construction.

In the event of interruption to gas, water or other utility services as a result of accidental breakage or as a result of being exposed or unsupported, the WUCS/EUC shall promptly notify the appropriate emergency officials, the Georgia Utilities Protection Center and the appropriate utility facility company or operator, if known. Until such time as the damage has been repaired, no person shall engage in excavating or blasting activities that may cause further damage to the utility facility.

In order to keep up with the latest/most updated EURP contact information (name and phone numbers); WUCS shall include an item in the agenda of Utility Coordination meeting about the updates / changes in the EURP plan.

The Emergency Utility Response Plan and Emergency Utility Response Information template can be found at the State of Georgia, Office of Utilities web page.

F. Submission

Provisions for reporting all utility coordination meetings, the progress of utility relocation and adjustment work milestones and ticket status information will be reported on a form developed by the WUCS and will be distributed by the WUCS to all of the utility companies as milestones are met and shall be included as part of the project records. These reports shall be delivered to the Engineer for review, on a monthly basis. The WUCS shall immediately report to the Engineer any delay between the utility relocation and adjustment work, the existing Utility Adjustment Schedule, or the proposed Utility Adjustment Schedule so that these differences can be reconciled.

G. Delays

Delays and interruptions to the controlling item or Items of The Work caused by the adjustment or repair of water, gas, or other utility appurtenances and property may be considered for an extension of Contract Time as provided in Subsection 108.07.E unless such delays are due to the negligence of the Contractor.

H. Facilities Supported on Bridges

If the utility facilities are to be supported on bridges, the following provisions shall apply:

1. The Plans will show the location of the facility and the auxiliary items necessary to support the facility.
2. The Contractor constructing the bridge shall install anchor bolts, thimbles, inserts, or other auxiliary items attached to the bridge as a part of the support for the utility facility. The Utility Company shall furnish these auxiliary items, unless the Contract indicates these items are to be furnished by the Contractor as a part of the bridge construction.
3. The Utility or its subcontractor constructing the utility facility shall install hanger rods, pipe rollers, and other attachments necessary for the support of the utility facility as indicated on the Plans. The Utility Company shall furnish these attachments at no cost to the Department or the prime contractor unless otherwise specified. This work shall also include:
    a. Sealing the openings around the utility where it passes through end walls to prevent the passage of undesirable materials.
    b. Painting the exposed portions of utility supports unless such supports are corrosion resistant. Painting shall be done in accordance with the applicable portions of Section 535, unless otherwise specified.
4. The sequence of bridge construction work may be set forth in the Plans and/or the Special Provisions and will show at what stage of The Work a utility company will be allowed to make the utility installation. Further, all or any portion of The Work under Subsection 107.21.H.3 may be included in the bridge Contract by the plans and/or the special provisions.
5. Any damage to the bridge structure caused by the utility installation shall be repaired to the satisfaction of the Engineer at the expense of the Utility or its subcontractor installing the utility facility.

I. Clearances

The Plans provide for at least minimum clearance of utilities as required by the National Electrical Safety Code, U.S. Department of Commerce, and National Bureau of Standards. Additional clearance required or desired by the Contractor shall be arranged by the Contractor with the Utility Owner. The Department will pay no extra compensation for such additional clearances.

J. Utility Relocation Progress Schedule

The purpose of the Utility Adjustment Schedule is to provide the Contractor with the pertinent information, including any utility staging required, dependent activities, or joint-use coordination that is required for the creation of a feasible progress schedule. A suitable Utility Adjustment Schedule form is available from the Department for the WUCS to circulate to utility companies for any proposed project construction staging or should a utility company not duly file a Utility Adjustment Schedule to the Department during the preconstruction phase of the project. The WUCS shall submit a Utility Relocation Progress Schedule showing together the progress schedule Chart referenced in Section 108.03 and the proposed Utility Adjustment Schedules from all utility companies to the Engineer for review and approval. Copies of UAS's with utility companies having facilities on this project will be made available at the Georgia Department of Transportation, Office of Construction Bidding Administration, located at One Georgia Center, 600 West Peachtree Street, NW, Atlanta, GA 30308, for examination by the Contractor. The Utility Adjustment Schedules are available on-line at: https://www.bidx.com/ga/lettings

K. Compensation

There will be no separate measurement or payment for this work. The cost associated with this work shall be included in the overall bid submitted.

107.22 Hazardous and/or Toxic Waste

When the Contractor's operations encounter or expose any abnormal condition which may indicate the presence of a hazardous and/or toxic waste, such operations shall be discontinued in the vicinity of the abnormal condition and the Engineer shall be notified immediately. The presence of barrels, discolored earth, metal, wood, or visible fumes, abnormal odors, excessively hot earth, smoke, or anything else which appears abnormal may be indicators of hazardous and/or toxic wastes and shall be treated with extraordinary caution as they are evidence of abnormal conditions.

The Contractor's operations shall not resume until so directed by the Engineer.

Disposition of the hazardous and/or toxic waste will be made in accordance with the requirements and regulations of the Department of Human Resources and the Department of Natural Resources. Where the Contractor performs work necessary to dispose of hazardous and/or toxic waste, payment will be made at the unit prices for pay items included in the contract which are applicable to such work or, where the contract does not include such pay items, payment will be as provided in Subsection 109.05, *Extra Work*.

107.23 Environmental Considerations

A. Construction

Erosion control measures shall be installed, to the greatest practical extent, prior to clearing and grubbing. Particular care shall be exercised along stream buffers, wetlands, open waters and other sensitive areas to ensure that these areas are not adversely affected.

Construction equipment shall not cross streams, rivers, or other waterways except at temporary stream crossing structures shown on the plans or as allowed by permit.

Construction activities within wetland areas are prohibited except for those within the construction limits as shown on the plans and as specified in Subsection 107.23.E.

Sediment control devices (except as noted in the construction standards and details) installed on the Project shall, at a minimum, be cleaned of sediment when one-half the capacity, by height, depth or volume, has been reached. All other devices, as noted in the construction standards and details, shall be cleaned of sediment when one-third the capacity by volume has been reached.

Construction waste or debris, from bridge construction or demolition, shall be prevented from being allowed to fall or be placed into wetlands, streams, rivers or lakes.

Excavation, dewatering, and cleaning of cofferdams shall be performed in such a manner as to prevent siltation. Pumping from cofferdams to a settling basin or a containment unit will be required if deemed necessary by the Engineer.

Operations required within rivers or streams, i.e. jetting or spudding, shall be performed within silt containment areas, cofferdams, silt fence, sediment barriers or other devices to minimize migration of silt off the project.

All temporary lighting shall be directed away from forested areas.

For plan sets that include an Environmental Resources Impact Table in the General Notes section, the Contractor shall abide by all restrictions and/or permitted activities noted in the Environmental Resources Impacts Table.

If the Contractor fails to follow any requirements set forth in the Environmental Resources Impacts Table, including, but not limited to any requirements or restrictions set forth in a Special Provision or other environmentally related specification, the Contractor shall be liable to the Department for any direct costs incurred by the Department as result of this failure and any required remediation as a result of this failure, the nature and extent of the remediation determined in the sole discretion of the Department (hereinafter in this subsection "Reimbursable Department Costs"). Reimbursable Department Costs may include but not be limited to following:

- fines or mitigation fees assessed and paid against the Department by another governmental agency;

- Department expended costs in retaining a private environmental consultant to address the Contractor's failure to follow any requirements of the Environmental Resources Impacts Table;
- Department expended costs associated with remediating the impact due to the failure of the Contractor to follow the requirements of the Environmental Resources Impacts Table; and
- Department cost for the review and preparation of documents by the Department or its consultants.

Upon notification from the Department of the failure to follow any requirements of the Environmental Resources Impacts Table and the need for remediation, the Contractor shall submit to the Department for approval a plan of action for remediation of the impact with all the necessary information and documentation. The Department may require that the Contractor's plan be amended to include additional requirements for remediation of impacts at any time. Remediation activities shall not be performed by the Contractor until the appropriate coordination has occurred between the Department and, if applicable, external agencies, consulting parties, or tribes, as determined by the Office of Environmental Services. The Engineer or his or her designee will provide written approval to the Contractor prior to commencement of any required remediation activities set forth in the approved plan. Reimbursable Department Costs will commence upon notification by the Department to the Contractor of the impact and the need for remediation and will continue until the Contractor has completed the required remediation. All costs associated with the implementation of the approved remediation plan will be incurred by the Contractor. Failure to submit a plan or implement the approved plan may result in the Department taking additional contractual actions against the Contractor, which may include but not be limited to suspending The Work pursuant to Specification 108.06 or declaring default pursuant to Specification 108.09.

B. Inadvertent Discovery of Cultural Resources and Human Remains

If objects thought to be historic material or archaeological artifacts are encountered during construction on the Project site or during the excavation of a previously approved off-site facility, the Contractor shall immediately cease the operation in the in the area of the find and notify the Engineer within twenty-four hours of the find. The Engineer shall then immediately contact the State Environmental Administrator in the Office of Environmental Services to determine the coordination required and the disposition of the find in accordance with Section 106 of the National Historic Preservation Act (54 U.S.C § 300101 et seq.) and the Georgia Environmental Policy Act (OCGA § 12-16-9 et seq.), as applicable. The Contractor shall not remove any historic or archaeological materials from the Project site and shall not resume activity in the area of the find until specifically authorized in writing by the Engineer.

If human remains or associated burial items are encountered during construction on the project site or during excavation of a previously approved off-site facility, the Contractor shall immediately cease all activity in the in the area of the find and notify the Engineer within twenty-four hours of the find. The Engineer shall then immediately contact the State Environmental Administrator in the Office of Environmental Services. The Office of Environmental Services will determine if the human remains are modern or historic/archaeological in context. If the human remains are determined to be modern in context (i.e. not associated with a historic burial or an archeological context), the Engineer will then notify law enforcement in accordance with OCGA § 31-21-6. If they are historic or archaeological in context, law enforcement will not be notified as provided for in OCGA § 31-21-6 and the Georgia Office of the State Archaeologist Policy on Encountering American Indian Human Remains. The Contractor shall not remove any human remains or associated burial objects from the project site and shall not resume activity in the area of the find until specifically authorized in writing by the Engineer.

The area of the find shall be secured and protected to the extent possible to prevent harm while coordination and additional investigation are conducted pursuant to the Georgia Abandoned Cemeteries and Burial Ground Act (OCGA § 36-72-1 et seq.), Section 106 of the National Historic Preservation Act (54 U.S.C § 3001001 et seq.), Native American Graves Protection and Repatriation Act (25 U.S.C. § 3001 et seq.), and the Archaeological Resources Protection Act (16 U.S.C. § 470aa-470mm), as applicable. The Contractor shall limit discussion of the presence of human remains or associated burial items to Department personnel only and shall not share information with the public through personal or mass media, subject to the Georgia Open Records Act (OCGA § 58-18-70 et seq.). The Office of Environmental Services will notify and coordinate with federal and state agencies,

federally-recognized tribes, and other entities, as applicable regarding the find and communicate the subsequent plan for treatment and/or disposition to the Engineer. The Engineer will communicate to the Contractor the status of any restrictions implemented that will affect The Work as a result of the required coordination by the Office of Environmental Services, including the time necessary to resolve required consultation and the identification of areas within the project where the Contractor may work while coordination is ongoing.

When directed by the Engineer, the Contractor shall conduct work to implement any subsequent treatment plan. Such work will be considered extra work pursuant to Specification 104.04. If The Work is suspended, the Contractor may submit a request for additional contract time as allowed under Section 108.06.

If the Contractor fails to immediately notify the Engineer of the find of historic material, archaeological artifacts, human remains or associated burial objects (not to exceed 24 hours), the Contractor shall be liable for any and all resulting and associated costs and damages incurred by the Department. Should damage to a find of historic material, archaeological artifacts, human remains or associated burial objects occur as a result of the Contractor's action in violation of this section, and notwithstanding any subsequent approved correction by the Contractor, the Contractor shall be liable for any and all costs resulting or arising from such action, including but not limited to, the cost of repair, costs of remediation, fines, and mitigation fees assessed against the Department by another government entity.

C. Environmental Clearance of Local Material or Disposal Sites

Specific written environmental approval from the Engineer will be required for any local material or disposal sites not included in the Plans. No work shall be started at any potential local material or waste site not shown on the plans prior to receiving said environmental approval from the Engineer. Local material sites are defined as borrow pits, common borrow, base, embankment, sand clay base, topsoil base, soil cement base, granular embankment, asphalt sand, maintenance pits, or stockpiled borrow sources. Disposals sites, as defined in Standard Specification 201.3.05.E.3, may be defined as excess material, common fill, or inert waste.

The Contractor may obtain environmental approval on a site with one of two methods: 1) GDOT provided environmental surveys or 2) environmental surveys obtained by the Contractor at no cost to the Department. The Contractor must choose one method for review and approvals, which will apply to all sites required for a given project and submit an Environmental Review Notification indicating their chosen method.

1. If the Contractor chooses to obtain their own environmental surveys, they shall be conducted by a consultant(s) prequalified to work with the Department in the following area classes: 1.06(b) – History; 1.06(e) – Ecology; and 1.06(f) – Archaeology. Background research and field methods shall be conducted in accordance with the Office of Environmental Services Environmental Procedures Manual, with documentation in an Environmental Survey Results Memorandum (template available from the Office of Environmental Services).
2. If the Contractor requests that GDOT conduct required environmental surveys, an Environmental Survey Request shall be submitted for each site (template available from the Office of Environmental Services).

Upon receipt of an Environmental Survey Request, the Office of Environmental Services shall provide environmental approval or denial within thirty (30) business days. Upon receipt of an Environmental Survey Results Memorandum, the Office of Environmental Services shall provide environmental approval or denial within ten (10) business days. The Department will not accept requests for review of sites before a Notice to Proceed is issued. Incomplete Survey Requests, surveys that are not conducted by a GDOT prequalified consultant, or surveys that do not meet the required level of field effort or documentation, will be denied by GDOT OES and may require resubmittal.

The Engineer will inform the Contractor in writing as to the approval or denial of environmental clearance. Approvals may be provided upon condition that an Environmentally Sensitive Area (ESA) be designated within or adjacent to the site prior to use. All ESA stipulations shall be adhered to in accordance with Standard Specification 107.23.F. If a site is denied, the Contractor may, at no expense to the Department, seek to obtain permits or pursue other remedies that might otherwise render the site(s) acceptable, if available. Any and all

changes to proposed sites or their associated haul roads that are not included within the original Environmental Survey Request or Environmental Survey Results Memorandum, including expansion, utilization for purposes other than those indicated in the original submittal, etc. must be submitted for further environmental review and approval prior to use.

Sites included in the Plans have environmental clearance and shall be used only for the purpose(s) specified in the Plans or other contract documents. Should the Contractor wish to expand or utilize said sites for any purpose other than that provided for in the Plans or other contract documents, specific written environmental clearance as noted above shall be obtained.

D. Control of Pollutants

Pollutants or potentially hazardous materials, such as fuels, lubricants, lead paint, chemicals or batteries, shall be transported, stored, and used in a manner to prevent leakage or spillage into the environment. The Contractor shall also be responsible for proper and legal disposal of all such materials.

Equipment, especially concrete or asphalt trucks, shall not be washed or cleaned-out on the project except in areas where unused product contaminants can be prevented from entering waterways.

E. Temporary Work in Wetlands Outside of the Construction Limits within the Right-of-Way and Easement Areas

Temporary work in wetlands (that are not delineated with orange barrier fence) will be subject to the following requirements:

1. Temporary work in wetlands shall be accomplished by using temporary structures, timber, concrete, soil with geotextile fabric, or other suitable matting. The area shall not be grubbed.
2. Soil matting shall be protected from erosion in accordance with the Specifications.
3. Whenever temporary work is required in Saltwater Marsh Wetlands, all temporary structures and/or matting shall be removed in their entirety prior to Final Acceptance of the Project. Matted and compressed soils shall be backfilled to their original ground elevation with material meeting the requirements of Section 212 – *Granular Embankment*.
4. Whenever temporary work is required in Freshwater Wetlands, all temporary structures and/or matting (exclusive of soil matting to be retained in the final roadway section) shall be removed in their entirety prior to final acceptance of the project.

   Once the temporary materials have been removed, the area shall be covered by Excelsior or Straw blankets according to Section 713 of the Specifications. The grassing and ground preparation referenced in Subsection 713.3.03, *Preparation*, will not be applicable to this work.
5. The Engineer shall be notified so that a field inspection may be conducted to certify that the temporary materials were properly removed, and that the area was properly restored. The Contractor shall be responsible for any corrective action required to complete this work.
6. There will be no separate measurement or payment for this work. The cost associated with this work shall be included in the overall bid submitted.

F. Environmentally Sensitive Areas

Some archaeological sites, historic sites, wetlands, streams, stream and pond buffers, open waters and protected animal and plant species habitat within the existing/required Right-of-Way and easement areas may be designated as ENVIRONMENTALLY SENSITIVE AREAs (ESAs). These areas are shown on the applicable plan sheets and labeled “ESA” (e.g. ESA – Historical Boundary, ESA – Wetland Boundary). The Department may require that some ESAs or portions thereof be delineated with orange barrier fence. When orange barrier fence is required adjacent to ESAs, the Contractor shall install as delineated in plan sheets prior to all construction activities. The Contractor shall maintain and replace as necessary orange barrier fence at ESAs as delineated in the plan sheets.

The Contractor shall not enter, disturb, or perform any construction related activities, other than those shown on the approved plan sheets within areas designated as ESAs including ESAs or portions thereof not delineated with

orange barrier fence. This includes but is not limited to the following construction activities: clearing and grubbing; borrowing; wasting; grading; filling; staging/stockpiling; vehicular use and parking; sediment basin placement; trailer placement; and equipment cleaning and storage. Also, all archaeological sites, historic sites, wetlands, streams, stream and pond buffers, open waters, and protected animal and plant species habitat that extend beyond the limits of existing/required Right-of- Way and easement areas shall be considered ESAs and the Contractor shall not perform any construction related activities (such as those listed above) within these areas or make agreements with property owners to occupy these areas for construction related activities (such as those listed above). The Contractor shall make all construction employees aware of the location(s) of each ESA and the requirement to not enter or otherwise disturb these areas.

If the Contractor enters an ESA for any purpose not on the Plans, the Contractor shall be liable to the Department for any and all costs incurred by the Department as result and any required remediation as a result of this impact, the nature and extent of the remediation determined in the sole discretion of the Department (hereinafter in this subsection "Reimbursable Department Costs"). Reimbursable Department Costs may include but not be limited to following:

- fines or mitigation fees assessed and paid against the Department by another governmental agency;
- Department expended costs in retaining a private environmental consultant to address the Contractor's ESA impact;
- Department expended costs associated with remediating the impact due to the Contractor's ESA impact; and
- Department cost for the review and preparation of documents by the Department or its consultants.

Upon notification from the Department of the ESA impact and the need for remediation, the Contractor shall submit to the Department for approval a plan of action for remediation of the impact with all the necessary information and documentation. The Department may require that the Contractor's plan be amended to include additional requirements for remediation of impacts at any time. Remediation activities shall not be performed by the Contractor until the appropriate coordination has occurred between the Department and, if applicable, external agencies, consulting parties, or tribes, as determined by the Office of Environmental Services. The Engineer or his or her designee will provide written approval to the Contractor prior to commencement of any required remediation activities set forth in the approved plan. Reimbursable Department Costs will commence upon notification by the Department to the Contractor of the impact and the need for remediation and will continue until the Contractor has completed the required remediation. All costs associated with the implementation of the approved remediation plan will be incurred by the Contractor. Failure to submit a plan or implement the approved plan may result in the Department taking additional contractual actions against the Contractor, which may include but not be limited to suspending The Work pursuant to Specification 108.06 or declaring default pursuant to Specification 108.09.

G. Protection of Migratory Birds and Bats

The following conditions apply to construction, demolition, and maintenance activities on bridges and box culverts. These conditions are intended as a minimum to protect nesting migratory birds and roosting bats.

All costs pertaining to any requirement contained herein shall be included in the overall bid submitted unless such requirement is designated as a separate Pay Item in the Proposal.

1. General Information for Project Personnel

   a. The Contractor shall notify project personnel about the potential presence and appearance of federally protected migratory birds, including without limitation the barn swallow (*Hirundo rustica*), cliff swallow (*Petrochelidon pyrrhonota*), and eastern phoebe (*Sayornis phoebe*), and that there are civil and criminal penalties for, among other things, pursuing, hunting, killing, capturing, or collecting these species in violation of the Migratory Bird Treaty Act of 1918. The law protects adults, fledglings, nestlings, eggs, and nests. The Contractor shall notify project personnel about the potential presence and appearance of bats, all of which are protected under Georgia state law (Official Code of Georgia Annotated § 27-1-28).

b. Prior to the commencement of The Work, the Contractor shall post detail sheets with photographs and information about these species in a conspicuous location in the project field office. The detail sheets shall be posted until such time that construction has been completed and time charges have stopped. If there is no project field office, the detail sheets shall be distributed directly to project personnel.

2. Bridges

a. For any project that includes bridge construction, bridge demolition, or maintenance on the underside of any bridges, the Contractor shall, within 15 calendar days of receiving Notice to Proceed, send an email to the Animal and Plant Health Inspection Service (APHIS; SM.AP.GA.WS.GDOT@usda.gov), the GDOT Area Manager, and the GDOT Office of Environmental Services (birdreport@dot.ga.gov), with the following information in the subject line and the email body:

(1) Subject Line:
a. GDOT Project Identification (PI) number(s),
b. County(ies), and
c. "Bridge Work Notification"

(2) Body of Email:

a. Number of bridges in project area that will be part of The Work.

b. For each bridge:

i. Bridge serial number, if applicable,

ii. Location of bridge (latitude and longitude),

iii. A brief description of activities (e.g., bridge widening, bridge demolition, etc.),

iv. A brief description of the structure (to include the dimensions and height of the bridge and the feature crossed; e.g., river, stream, roadway, or railroad),

v. The expected start and completion date of the activities, and

vi. If using a temporary detour bridge, the expected dates of construction and demolition.

b. The APHIS Biologist will develop a nest management plan, in coordination with the Contractor, the GDOT Area Manager, and the GDOT Office of Environmental Services. The goal of the nest management plan is to ensure that there are no active migratory bird nests that would interfere with the progression of bridge work.

c. Nest management efforts on bridges will be undertaken by APHIS biologists. The Contractor shall afford APHIS biologists a right-of-entry for inspection of the bridges and removal of inactive nests (i.e., those that do not contain eggs or nestlings).

d. The Contractor shall not utilize exclusionary barriers on any bridge due to the risk of entanglement and entrapment of birds, bats, and other wildlife.

3. Box Culverts

a. The construction of box culvert extensions, or demolition or maintenance activities on any box culvert, shall take place outside of the breeding and nesting season of migratory birds, which begins April 1 and extends through August 31, unless exclusionary barriers are put in place to prevent birds from nesting. Exclusionary barriers consist of overlapping strips of flexible plastic (also called "PVC Strip Doors" or "Strip Curtains"). Due to the risk of entanglement, nets are not appropriate exclusionary barriers on box culverts. Exclusionary barriers on any box culvert must be installed prior to March 15, but at no time between March 15 and August 31.

b. For any project that includes box culvert demolition or extension, the Contractor shall, within 15 calendar days of receiving Notice to Proceed, send an email to the Animal and Plant Health Inspection Service (APHIS; SM.AP.GA.WS.GDOT@usda.gov), the GDOT Area Manager, and the GDOT Office of Environmental Services (birdreport@dot.ga.gov), with the following information in the subject line and the email body:

(1) Subject line

a. GDOT Project Identification (PI) number(s),

b. County(ies), and

c. "Box Culvert Work Notification".

(2) Body of email

a. Number of box culverts in project area that will be demolished or extended.

b. For each box culvert that will be demolished or extended:

i. A statement that either "The Work will be conducted outside of the migratory bird nesting season" or that "Exclusionary barriers (strip curtains) will be installed prior to the start of demolition or extension work,"

ii. The expected date of installation of exclusionary barriers,

iii. A statement as to whether exclusionary barriers will be installed on one side of the box culvert or both sides, and

iv. The location of the box culvert (latitude and longitude) on which exclusionary barriers are to be installed.

4. Stop Work Requirements

a. Bridge Work- In the instances listed below, the Contractor shall cease work on a bridge, with the exception of work conducted entirely from the deck in which backer rod is used to keep materials from falling or dripping into joints.

(1) Migratory birds establish an active nest on a bridge and completion of work would result in harm to birds or destruction of eggs,
(2) A bird is harmed or injured,
(3) Five (5) or more bats are observed on underside of bridge and completion of work has the potential to result in bat injury or death, or
(4) A bat is harmed or injured.

b. Box Culvert Work- In the instances listed below, the Contractor shall cease work on box culverts.

(1) Migratory birds establish an active nest within a box culvert and completion of work would result in harm to birds or destruction of eggs,
(2) A bird is harmed or injured,
(3) One (1) or more bats is discovered roosting within a box culvert and completion of work has the potential to result in bat injury or death, or
(4) A bat is harmed or injured.

c. If stoppage of The Work is necessary for either bird nest or bat presence, the Contractor shall immediately notify the GDOT Area Manager as well as the GDOT State Environmental Administrator at 404-631-1071.

d. If The Work is stopped due to bat presence, photographs (digital images) of bats shall be emailed to birdreport@dot.ga.gov. Clear and well-lighted images will be helpful for bat identification and may eliminate the need for an agency field visit. GDOT Environmental Staff will coordinate with the appropriate agency(ies) to resolve the issue as expeditiously as possible and minimize delays.

e. If The Work is stopped for bird or bat presence, the Contractor may submit a request for additional contract time as allowed under Section 108. The Department will review the request and may grant additional contract time as justified by the impact to the Contractor's schedule. Additional compensation for such delays shall not be paid, except as provided in Subsection 105.13, Claims for Adjustments and Disputes.

f. The Work shall not recommence until written (email) authorization is received from the GDOT State Environmental Administrator.

107.24 Closing of Roadways without On-Site Detours

When existing roadways are to be closed to through traffic and on-site detours are not provided, the Contractor shall submit a written notice to the Engineer for approval 14 days prior to the closure of the existing roadways.

After receiving approval from the Engineer for the closure, the Contractor shall install signs at each closure site, in accordance with the MUTCD, to inform the traveling public of the proposed closure, including the date of closure. The sign shall be placed 5 days prior to the closure, at the direction of the Engineer.

Prior to the closure, the Area Engineer will inform local government officials and agencies, local news media, and the DOT Public Information Office of the proposed closure of the roadways.

107.25 Disruption to Residential and Commercial Property

The Contractor shall plan, coordinate, and prosecute The Work such that disruption to personal property and business is held to a practical minimum.

All construction areas abutting lawns and yards of residential or commercial property shall be restored promptly. Backfilling of each drainage structure or section of curb and gutter, sidewalk, or driveway shall be accomplished as soon as adequate strength is obtained. Finishing, dressing and grassing shall be accomplished immediately thereafter as a continuous operation within each area being constructed with emphasis placed on completing each individual yard or business frontage. Care shall be taken to provide positive drainage to avoid ponding or concentration of runoff.

Handwork, including raking and smoothing, shall be required to ensure that roots, sticks, rocks, and other debris is removed in order to provide a neat and pleasing appearance. Grassing, when in season, shall immediately follow in order to establish permanent cover at the earliest date. If grassing is not in season, proper erosion control shall be installed and maintained.

The Work described herein shall be in addition to that required by Subsection 104.07 *Final Cleaning Up* and Subsection 105.16 *Final Inspection and Acceptance*.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

~~SUPPLEMENTAL SPECIFICATION~~ SPECIAL PROVISION

Section 108—Prosecution and Progress

Replace Section 108 with the following:

108.01 Subletting of Contract

The Contractor shall not sublet, sell, transfer, assign, or otherwise dispose of the Contract or Contracts, or any portion thereof, or of his/her right, title, or interest therein, without written consent of the Engineer. For Subcontracts, consent of the Engineer will not be considered until after award of the Contract.

In case such consent is given, the Contractor will be permitted to sublet a portion thereof, but shall perform, with his/her own organization, work amounting to not less than thirty percent (30%) of the total Contract cost, including materials, equipment, and labor.

As further exception, any items designated as Specialty Items may be performed by Subcontract and the cost of any such Specialty Items so performed by Subcontract may be deducted from the total cost before computing the amount of work required to be performed by the Contractor with his/her own organization.

Purchase of materials by the Prime Contractor for use by a Subcontractor will not be allowed when computing the 30% requirement.

No Subcontracts, or transfer of Contract, shall in any case release the Prime Contractor of his/her liability under the Contract and Bonds. No Subcontractor shall commence work in advance of the written approval of the Subcontract by the Department. Except for certain items exempted by the State Transportation Board, each Subcontractor shall be prequalified or registered with the Department. Each Subcontract for a Registered Subcontractor shall not exceed $2,000,000.00 and Subcontracts for Prequalified Contractors shall not exceed their current capacity. Prequalified or Registered Subcontractors shall be qualified or registered with the Department in accordance with Chapter 672-5 of the Rules and Regulations Governing the Prequalification of Prospective Bidders adopted by the State Transportation Board.

In the event any portion of a Subcontract is further sublet, all of the provisions governing subletting, including registration and written approval by the Engineer, shall apply.

This Sub-Section shall not apply to Contracts between the Department and counties, municipalities, or other State agencies.

All subcontract agreements between the Prime Contractor and subcontractor shall be in writing and shall contain all of the Federal-Aid requirements and pertinent provisions of the Prime Contract. The Prime Contractor shall, upon request by the Engineer, furnish copies of any subcontract agreement to the Department within ten (10) days of such request. This provision applies to all subcontracts, including second or multi-tier subcontracts.

According to the provisions stated above, the following items are designated Specialty Items for general transportation system construction and building construction whenever they appear in the Contract:

<u>General Transportation System Contracts</u>

- Grassing items
- Fencing items
- Highway lighting items

- Sign items
- Guardrail items (except bridge handrail)
- Utility items
- Comfort and convenience items in rest areas
- Landscaping items
- Pressure grouting, slab removal and replacement
- Permanent traffic markings
- Signal systems
- Railroad track work above sub-ballast
- Vibration Monitoring

General Transportation System Contracts (continued)

- Drilled caisson foundations
- Construction layout
- Asphaltic concrete leveling and asphalt concrete patching (when used on surface treatment and slurry seal resurfacing contracts)

Building Contracts

- Structural Steel
- Plumbing
- Heating, ventilation, and air conditioning (HVAC)
- Electrical
- Telephone service
- Masonry
- Glass work
- Drywall
- Ceiling installation
- Roofing
- Carpentry
- Floor covering
- Raised flooring
- Landscaping
- Security system
- Fire protection
- Gutters
- Painting
- Insulation
- Doors
- Elevators
- Construction layout

The Contractor's cost for Construction Layout shall be fully documented prior to deduction from the original Contract amount.

108.02 Notice to Proceed

The delivery to the Contractor of a notice, stating that construction is authorized, constitutes Notice to Proceed. The Contractor shall do no work under the Contract until receipt of the Notice to Proceed, and the Department will not be obligated to pay for work done prior to receipt of the Notice to Proceed.

Within 10 calendar days after the Notice to Proceed has been issued, the Contractor shall begin The Work. Contract Time charges for Available Day and Calendar Day projects will begin on the date the Contractor starts to work, or 10 days after the Notice to Proceed, whichever occurs first. For completion date projects contract time charges shall begin on the day after the Notice to Proceed.

Where the Contractor's access to part of the right-of-way is restricted, either the special provisions in the Contract or the conditional Notice to Proceed will indicate such restrictions. The Department may, at its option, issue a conditional Notice to Proceed if, in the opinion of the Engineer, a sufficient portion of the right-of-way is available to the Contractor to allow construction to proceed.

108.03 Prosecution and Progress

The Contractor shall provide sufficient materials, equipment, and labor to guarantee the completion of the Project in accordance with the Plans and Specifications within the time set forth in the Proposal. Unless otherwise required by the Engineer, each operation shall begin as soon after the Contract is awarded as conditions will permit. Each class of work will be expected to continue from the date it is begun until it is completed.

The Contractor shall furnish the Engineer, for approval, a progress schedule immediately following the receipt of the Notice to Proceed. Unless otherwise specified, the schedule shall be prepared on forms furnished by the Department or an acceptable critical path schedule will be used as the basis for establishing the controlling items of work and as a check on the progress of The Work. This schedule will not be required on resurfacing projects.

Approval of the progress schedule shall not be construed to imply approval of any particular method or sequence of construction or to relieve the Contractor of providing sufficient materials, equipment, and labor to guarantee the completion of the project in accordance with the plans, specifications, and special provisions within the time set forth in the proposal. Contract time as shown in the proposal is the allowable time. The Contractor's proposed progress schedule may indicate a completion date in advance of the Contract specified completion date; however, the Department will not be liable in any way for the Contractor's failure to complete the project prior to the Contract specified completion date.

At least 48 hours before commencing the work, the Contractor shall notify the Engineer of his intention to begin so that proper inspection may be provided. Should the prosecution of the work be discontinued for any reason, the Contractor shall notify the Engineer at least 24 hours in advance of resuming operations.

If the Contractor's operations are materially affected by changes in the plans or in the amount of work, or if he has failed to comply with the approved schedule, the Contractor shall submit a revised progress schedule, if requested by the Engineer, which schedule shall show how he proposes to prosecute the balance of the work. The Contractor shall submit the revised progress schedule within 10 days after the date of the request. The Contractor shall incorporate into every progress schedule submitted, any contract requirements regarding the order of performance of portions of the work.

No payments will be made to the Contractor while he is delinquent in the submission of a progress schedule or a revised progress schedule.

108.04 Limitation of Operations

The Contractor shall conduct the work at all times in such a manner and in such sequence as will assure the least interference with traffic and shall provide for smooth and safe traffic flow. It shall be the decision of the Engineer as to what will assure the least interference with traffic and smooth, safe traffic flow. Also, the Engineer may require the Contractor to finish a section on which work is in progress before work is started on any additional sections if the opening of such section is essential to public convenience.

108.05 Character of Workers, Methods and Equipment

The Contractor shall at all times employ sufficient labor and equipment for prosecuting the several classes of work to full completion in the manner and time required by these Specifications.

All workers shall have sufficient skill and experience to perform properly the work assigned to them. Workers engaged in special or skilled work shall have sufficient experience in such work and in the operation of the equipment required to perform all work properly and satisfactorily.

Any person employed by the Contractor or by any Subcontractor who the Engineer determines does not perform work in a proper and skilled manner or is intemperate or disorderly shall, at the written request of the Engineer, be removed forthwith by the Contractor or Subcontractor employing such person, and shall not be employed again in any portion of the work without the approval of the Engineer.

Should the Contractor fail to remove such person or persons as required above or fail to furnish suitable and sufficient personnel for the proper prosecution of the work, the Engineer may suspend the work by written notice until such orders are complied with.

All equipment that is proposed to be used on the work shall be of sufficient size and in such mechanical condition as to meet the requirements of the work and to produce a satisfactory quality of work. Equipment used on any portion of the project shall be such that no injury to the roadway, adjacent property, or other highways will result from its use.

When the methods and equipment to be used by the Contractor in accomplishing the construction are not prescribed in the Contract, the Contractor is free to use any methods or equipment that he demonstrates to the satisfaction of the Engineer will accomplish the work in conformity with the requirements of the Contract.

When the Contract specifies that the construction be performed by the use of certain methods and equipment, such methods and equipment shall be used unless others are authorized by the Engineer. If the Contractor desires to use a method or type of equipment other than those specified in the Contract, he may request authority from the Engineer to do so. The request shall be in writing and shall include a full description of the methods and equipment proposed to be used and an explanation of the reasons for desiring to make the change. If approval is given, it will be on the condition that the Contractor will be fully responsible for producing construction work in conformity with Contract requirements. If, after trial use of the substituted methods or equipment, the Engineer determines that the work produced does not meet Contract requirements, the Contractor shall discontinue the use of the substitute method or equipment and shall complete the remaining construction with the specified methods and equipment. The Contractor shall remove the deficient work and replace it with work of specified quality or take such other corrective action as the Engineer may direct. No change will be made in basis of payment for the construction items involved nor in Contract Time as a result of authorizing a change in methods or equipment under these provisions.

108.06 Temporary Suspension of Work

The Engineer has the authority to suspend the work wholly or in part, for as long as he may deem necessary, because of unsuitable weather, or other conditions considered unfavorable for continuing the work, or for as long as he may deem necessary by reason of failure of the Contractor to carry out orders given, or to comply with any provisions of the Contract. No additional compensation will be paid the Contractor because of suspension. If it becomes necessary to stop the work for an indefinite period, the Contractor shall store all materials in such a way that they will not impede the traveling public unnecessarily or become damaged in any way, and he shall take every precaution to prevent damage or deterioration of the work done; provide suitable drainage of the roadway, and erect temporary structures where necessary. The work shall be resumed when conditions are favorable or when corrective measures satisfactory to the Engineer have been applied; when, and as ordered by the Engineer in writing. The Contractor shall not stop the work without authority.

If the work is stopped by any temporary or permanent injunction, court restraining order, process or judgment of any kind, directed to either of the parties hereto, then such period or delay will not be charged against the Contract Time nor shall the Department be liable to the Contractor on account of such delay or termination of work

108.07 Determination of Contract Time

The definition of Contract time and when Contract time officially begins is stated in Subsection 101.19. After the Contract has been signed by all parties, Contract time becomes the specified period of time, agreed upon by the Contractor, the Surety, and the Department, during which all Items and quantities of work set forth in the Proposal and included in the original Contract will be completed.

A. Available Day Contracts

An available day is defined in Subsection 101.04. The Engineer will furnish the Contractor a written monthly statement showing the total number of available days charged through the preceding month. The Contractor will be allowed one week in which to file a written protest setting forth in what respect said statement is incorrect, otherwise the statement shall be deemed to have been accepted by the Contractor as correct.

B. Calendar Day Contracts

When the Contract time is on a calendar day basis it shall consist of the number of calendar days stated in the Contract counting from the date Contract time starts as defined in Subsection 108.02, including all Sundays, holidays, and non-work days.

C. Completion Day Contracts

When the Contract completion time is a fixed date, it shall be the date on which all work on the project shall be completed.

D. Settlement Periods

Settlement periods shall be computed in calendar days unless otherwise stated in the contract documents.

E. Extension of Contract Time

If satisfactory fulfillment of the Contract requires performance of work in greater quantities than those set forth in the Proposal, the Contract time allowed for performance shall be extended on a basis commensurate with the amount and difficulty of the added work as determined by the Engineer, whose decision shall be final and conclusive.

If the estimated time for the consolidation of embankments at bridge ends is extended, the Contract time will be extended as provided in Subsection 208.3.05.B.3.

If the normal progress of the work is delayed for reasons beyond his control, the Contractor shall, within 15 days after the start of such delay, file a written request to the Engineer for an extension of time setting forth therein the reasons and providing complete documentation for the delay which he believes will justify the granting of his request. The Contractor's plea that insufficient time was specified is not a valid reason for extension of time. If the Engineer finds that the work was delayed because of conditions beyond the control and without the fault of the Contractor, he may extend the time for completion in such amount as the conditions justify.

Any authorized extension of the Contract Time will be in full force and effect the same as though it was the original Contract time.

F. Suspension of Time Charges

If the Engineer suspends the work by reason of failure of the Contractor to carry out written orders given, or to comply with any provision of the Contract, time charges will continue through the period of such suspension.

If the Contractor is declared in default, time charges will continue.

Except on completion date Contracts, time charges will not be made against the Contract when the only remaining controlling items of work are shut down by the Engineer because of seasonal limitations or temperature controls.

G. When Time Charges Cease

Time charges will cease when all work on Contract Items have been completed to the satisfaction of the Engineer. The only exceptions to this requirement are that a satisfactory growth of vegetative cover, application(s) of nitrogen

and Final Documentation will not be required when time charges are stopped. Final documentation includes final DBE Report, Reflectivity testing Report, and NPDES Notice of Termination. Filling of all washes and repairs to planted areas have to be accomplished as a prerequisite of vegetative cover and nitrogen condition. Maintenance of planted areas in order to produce a satisfactory growth after time charges have stopped will be performed without assessment of liquidated damages provided this work is diligently prosecuted. If, during this waiting period, maintenance of any part of the project is inadequate, the Engineer may resume time charges 10 days after written notification to the Contractor and will continue time charges until the unsatisfactory conditions are corrected. If final documentation associated with the project is not received within fifty (50) days of the final inspection, the Engineer may resume time charges 10 days after written notification to the Contractor and will continue time charges until necessary documentation is received.

108.08 Failure or Delay in Completing Work on Time

Time is an essential element of the Contract, and any delay in the prosecution of the work may inconvenience the public, obstruct traffic, or interfere with business. In addition to the aforementioned inconveniences, any delay in completion of the work will always increase the cost of engineering. For this reason, it is important that the work be pressed vigorously to completion. Should the Contractor or, in case of default, the Surety fail to complete the work within the time stipulated in the Contract or within such extra time that may be allowed, charges shall be assessed against any money due or that may become due the Contractor in accordance with the following schedule:

Schedule of Deductions for Each Day of Overrun in Contract Time			
Original Contract Amount		Daily Charges	
From More Than	To and Including	Available Day	Calendar Day or Completion Date
$0	$2,000,000	$298	$213
$2,000,000	$4,000,000	$893	$638
$4,000,000	$7,000,000	$1,636	$1,169
$7,000,000	$12,000,000	$2,826	$2,019
$12,000,000	$20,000,000	$4,759	$3,399
$20,000,000	$30,000,000	$7,436	$5,311
$30,000,000	$40,000,000	$8,328	$5,949
$40,000,000	$50,000,000	$10,707	$7,648
$50,000,000		$11,897	$8,498

When the Contract time is on either the calendar day or completion date basis, the schedule for calendar days shall be used. When the Contract time is based on an available day basis, the schedule for available days shall be used.

For each calendar day or available day, as specified, that any work shall remain uncompleted after the contract time specified for the completion of the work required by the Contract, the sum specified in the Contract will be deducted from any money due the Contractor, not as a penalty, but as liquidated damages; provided however, that due account shall be taken of any adjustment of the contract time for completion of the work granted under the provisions of Subsection 108.07.E.

The Department may waive such portions of the liquidated damages as may accrue after the work is in condition for safe and convenient use by the traveling public.

A. Liquidated Damages

The amount of such charges is hereby agreed upon as fixed liquidated damages due the Department after the expiration of the time for completion specified in the Contract. The Contractor and his Surety shall be liable for liquidated damages in excess of the amount due the Contractor on the final payment.

These fixed liquidated damages are not established as a penalty but are calculated and agreed upon in advance by the Department and the Contractor due the uncertainty and impossibility of making a determination as to the actual and consequential damages which are incurred by the Department, the State, and the general public as a result of the failure on the part of the Contractor to complete the work on time.

1. **Deduction from Partial Payments:** Liquidated damages, as they accrue, will be deducted from periodic partial payments.
2. **Deduction from Final Payment:** The full amount of liquidated damages will be deducted from final payment to the Contractor and/or its Surety.
3. **No Liquidated Damages Charged for Delay by the Department:** In case of default of the Contract and the subsequent completion of the work by the Department as hereinafter provided, the Contractor and his Surety shall be liable for the liquidated damages under the Contract, but no liquidated damages shall be chargeable for any delay in the final completion of the work by the Department due to any unreasonable action, negligence, omission, or delay of the Department. In any suit for the collection of or involving the assessment of liquidated damages, the reasonableness of the amount shall be presumed. The liquidated damages referred to herein are intended to be and are cumulative and shall be in addition to every other remedy now or hereafter enforceable at law, in equity, by statute, or under the Contract.

B. No Waiver of Department's Rights

Permitting the Contractor to continue and finish The Work or any part of it after the expiration of the time allowed for completion or after any extension of time, shall not operate as a waiver of the rights of the Department under the Contract.

108.09 Default of Contract

If the Contractor fails to begin the work within the time specified, or fails to perform the work with sufficient workers, equipment, or materials to ensure its prompt completion, or performs the work unsuitably, or neglects or refuses to remove materials or perform anew such work as shall be rejected as defective and unsuitable, or discontinues the prosecution of the work, or from any other cause whatsoever does not carry on the work in an acceptable manner, or becomes insolvent or is adjudicated as bankrupt, or commits any act of bankruptcy or insolvency, or allows any final judgement to stand against him unsatisfied for a period of 10 days, or makes an assignment for the benefit of creditors, or fails to comply with the contract requirements regarding wage payments or EEO requirements, or fails to sign the standard release form as stipulated in Subsection 109.08 *Final Payment*, the Engineer may give notice in writing by registered or certified mail, return receipt requested, or by a nationally recognized courier service, signature confirmation required, to the Contractor and the Surety, stating the nature of the deficiencies and directing that The Work including its progress be remedied and made satisfactory.

If, within 10 days after such notice, the Contractor or its Surety does not proceed in satisfactory way to remedy the faults specified in said notice, the Engineer will notify the Contractor and its Surety by registered or certified mail, return receipt requested, or by a nationally recognized courier service, signature confirmation required, that the Contractor is in default and, by the same message, direct the Surety to take over the work including all of the obligations pertaining to the Contract. If the Surety takes over the work in a satisfactory way within 10 days after such notice of default, the Department will thenceforth pay to the Surety the amounts due and to become due under the Contract, less all deductions provided herein including liquidated damages. The Department shall not be liable for any sums not due under the Contract and shall not be made a party to any dispute between the Contractor and the Surety.

If the Contractor is declared in default and the work and other Contract obligations are taken over by the Surety as required by its Bond, and when all parts of the work have been completed and found to be satisfactory by the Engineer, as provided for in Subsection 105.16 *Final Inspection and Acceptance*, the said Surety is hereby constituted the attorney in fact of the Contractor for the purpose of executing such final releases as may be required by the Department or to do any other act or thing, including the execution of any documents, necessary to the completion of the Contract and a final settlement of same, including but not limited to those documents required by the provisions regarding final payment and release as set forth in Subsection 109.08.

For all purposes, as herein set out and defined, including the execution of documents necessary to the final completion and settlement of the Contract, the Surety, under such circumstances, is hereby authorized and directed by the Contractor to perform such acts and execute such documents as fully and completely as though the same were

performed or executed by such contractor, and to be lawfully binding upon such Contractor as though such acts had been performed or such documents executed by him in person.

If the Surety does not take over The Work in a satisfactory way within 10 days after the notice of default, or does not proceed to finish The Work according to the Contract, the Department shall have full power and authority, without impairing the obligation of the Contract or the Contract Bond, to take over the completion of The Work; to appropriate or use any or all material and equipment on the ground that may be suitable, to enter into agreements with others for the completion of the Contract according to the terms and provisions thereof; or to use such other methods as may be required for the completion of the Contract. In so assuming the obligations of the Contractor, the Department does so as the agent of the Contractor. Assumption of these duties and obligations by the Department will not act as a release of the Contractor or its Surety from any of the provisions of this Contract. The Contractor and its Surety shall be liable for all costs incurred by the Department in completing the work and also for all liquidated damages in conformity with the terms of the Contract. If the sum of such liquidated damages and the expense so incurred by the Department is less than the sum which would have been payable under this Contract if it had been completed by the Contractor or its Surety, the Contractor, or its Surety, shall be entitled to receive the difference; and if the sum of such expense and such liquidated damages exceeds the sum that would have been payable under the Contract, the Contractor and its Surety shall be liable and shall pay to the Department the amount of such excess. Notice to the Contractor shall be deemed to have been served when delivered to the person in charge of any office used by the Contractor, its representative at or near the work or by registered or certified mail addressed to the Contractor at the last known place of business.

Time charges shall continue through a period of a default in compliance with the provisions of Subsection 108.07.F.

108.10 Termination of Contractor’s Responsibility

Except as specified in the Contract Bond and in Subsection 107.20, the Contractor’s responsibility for the work shall terminate upon final acceptance of the work by the Department.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL PROVISION

Section 150—Traffic Control

150.1 General Description

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

The Contractor shall be responsible for the maintenance of traffic signals and Advanced Traffic Management System (ATMs) devices from the time that the system is modified until final acceptance. The maintenance of traffic signals and ATMs devices that are not a part of the Work and that are not in conflict with any portion of the Work shall not be the responsibility of the Contractor. However, the Contractor is still responsible for damages to all devices that they or their subcontractors cause, in accordance with Section 107 and other Specifications.

When any provisions of this Specification or the Plans do not meet the minimum requirements of the MUTCD, the MUTCD shall control. The 2023 Edition of the MUTCD including revisions shall be in effect for the duration of the project.

All traffic control devices used during the construction of the project shall meet the standards utilized in the MUTCD, and shall comply with the requirements of these Specifications, Georgia Construction Standards and Details, Project Plans, Design Manuals, and Special Provisions.

The needs and control of all road users (motorists, bicyclists and pedestrians within the highway right-of-way and easements, including persons with disabilities in accordance with the Americans with Disabilities Act of 1990 (ADA), Title II,) through a Temporary Traffic Control (TTC) zone shall be an essential part of highway construction, utility work, maintenance operations and management of traffic incidents.

Utilities included in the Contract are bound by Special Provision 150 and shall follow its requirements. For utilities not included in the Contract but working within the project limits, they shall, at a minimum follow the MUTCD. Moreover, in accordance with Utility Accommodation Policy and Standards Manual dated 2016, the Engineer reserves the right to require additional certified flaggers, signs, warning lights, channelization devices, and other safety devices as may be necessary to properly protect, warn, and safeguard the traveling public. In addition, the Department reserves the right to place time restrictions or moratoriums on all utility work covered under a permit when, in the opinion of the Department, the continuance of the Work would seriously hinder traffic flow, be needlessly disruptive, or would unnecessarily inconvenience the traveling public. In case of emergencies, Utilities shall be provided access in accordance with Utility Accommodation Policy and Standards Manual.

150.1.01 Definitions

For Special Provision 150, the definitions for “shall”, “ should”, and “may” will be in accordance with MUTCD (1A.13) (1C.02).

Shall (Standard) - a statement of required, mandatory, or specifically prohibitive practice regarding a traffic control device.

Should (Guidance) - a statement of recommended, but not mandatory, practice in typical situations, with deviations allowed if engineering judgment or engineering study indicates the deviation to be appropriate.

May (Option) - a statement of practice that is a permissive condition and carries no requirement or recommendation.

150.1.02 Content

150.1 General Description

150.1.01 Definitions

150.1.02 Content

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150.2.09 Portable Changeable Message Signs

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D. Removal of Lane Closures
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D. Plating
E. Asphaltic Concrete Resurfacing Projects

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I. Temporary Curb Cut Wheelchair Ramps
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K. Temporary Walkways with Detectable Edging
L. Traffic Signal Installation - Temporary
M. Work Zone Law Enforcement

150.5 Reserved

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150.1.03 Related References

A. Standard Specifications

Section 104 - Scope of Work

Section 105 - -Control of Work-Legal Regulations and Responsibility to the Public

Section 107 - Legal Regulations and Responsibility to the Public

Section 108 - Prosecution and Progress

Section 209 - Subgrade Construction

Section 400 - Hot Mix Asphaltic Concrete Construction

Section 441 - Miscellaneous Concrete

Section 429 - Rumble Strips

Section 620 - Temporary Barrier

Section 632 - Portable Changeable Message Signs

Section 641 - Guardrail

Section 647 - Traffic Signal Installation

Section 648 - Traffic Impact Attenuator

Section 652 - Painting Traffic Stripe

Section 653 - Thermoplastic Traffic Stripe

Section 654 - Raised Pavement Markers

Section 656 - Removal of Pavement Markings

Section 657 - Preformed Plastic Pavement Markings

Section 658 - Polyurea Traffic Strip

Section 659 - Hot Applied Preformed Plastic Pavement Markings

Section 911 - Sign Posts

Section 912 - Sign Blanks and Panels

Section 913 - Reflectorizing Materials

B. Referenced Documents

ASTM D4956-13 (Retro-reflectivity)

American Traffic Safety Services Association (ATSSA)

Construction Detail A-3 Curb Cut (Wheelchair) Ramps Concrete Sidewalk Details

Construction Detail A-4 Detectable Warning Surface Truncated Dome Size, Spacing and Alignment Requirements

Construction Detail T-3A (Type 7, 8, and 9 Square Tube Post Installation Detail)

GDOT Signing and Marking Design Guidelines

Georgia Standard 4000W "Lengths of Advancement, Clear Zone Distances, Fill Height Embankment"

Georgia Standard 4960 "Temporary Barrier (End Treatment Options)"

Georgia Standard 9102 "Traffic Control Detail for Lane Closure on Two-Lane Highway"

Georgia Standard 9106 "Traffic Control Detail for Lane Closure on Multi-Lane Divided Highway"

Georgia Standard 9107 "Traffic Control Detail for Lane Closure on Multi-Lane Undivided Highway"

Georgia Standard 9121 "Tapers, Signs, and Markings for Passing Lanes"

Manual for Assessing Safety Hardware (MASH)

Manual on Uniform Traffic Control Devices (MUTCD)

National Cooperative Highway Research Program (NCHRP) 350

National Safety Council

Qualified Product List #29 (QPL-29) Reflective Sheeting

Qualified Product List #34 (QPL-34) Work Zone Traffic Control Devices (Drums, Type III Barricades, Vertical Panels, and Portable Sign Systems)

Qualified Product List #35 (QPL-35) Drive Type Galvanized Steel Sign Posts

Qualified Product List #46 (QPL-46) Traffic Pavement Markings

Qualified Product List #64 (QPL-64) Attenuator Units (Compression Crash Cushion) and Guardrail End Treatments

Qualified Product List #76 (QPL-76) Raised Pavement Markers and Channel Markers

Qualified Product List #79 (QPL-79) Portable Arrow Boards

Qualified Product List #82 (QPL-82) "Portable Changeable Message Signs"

Utility Accommodation Policy and Standards Manual

Work Zone Safety and Mobility Policy

150.1.04 Submittals/Preconstruction

A. Worksite Traffic Control Supervisor

The Contractor shall designate a qualified individual as the Worksite Traffic Control Supervisor (WTCS). The WTCS shall be responsible for selecting, installing, and maintaining all traffic control devices in accordance with the Plans, Specifications, Special Provisions and the MUTCD. The WTCS shall be currently certified by the American Traffic Safety Services Association (ATSSA) Work Site Traffic Supervisor Certification program or the National Safety Council Certification program. On-line classes will not be accepted.

The WTCS shall be available on a twenty-four (24) hour basis to perform their duties. If the Work requires traffic control activities to be performed during the daylight and nighttime hours, it may be necessary for the Contractor

to designate an alternate WTCS. An alternate WTCS must meet the same requirements and qualifications as the primary WTCS and be accepted by the Engineer prior to beginning any traffic control duties. The Worksite Traffic Control Supervisor's traffic control responsibilities shall have priority over all other assigned duties.

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

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

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

Any work performed on the interstate or limited access highway right-of-way that requires traffic control shall be supervised by a submitted/approved certified Worksite Traffic Control Supervisor. No work requiring traffic control shall be performed unless the certified WTCS is on the worksite. Failure to maintain a Certified Worksite Traffic Control Supervisor on the Work will be considered as non-performance under Subsection 150.7.01.

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

The WTCS shall perform inspections, at a minimum once a month, to ensure that traffic control is maintained. For all interstate and limited access highways, the WTCS shall perform, as a minimum, weekly traffic control inspections. The inspections will start with the installation of the advance warning signs and will stop when a maintenance acceptance is issued or when the corrective list is completed.

An inspection shall include both daytime and nighttime reviews. The inspection shall be reported to the Engineer on a Traffic Control Inspection Report (TC-1) form provided by the Department. Unless modified by the special conditions or by the Engineer, routine deficiencies shall be corrected within a twenty-four (24) hour period. Failure to comply with these provisions shall be grounds for dismissal from the duties of WTCS and/or removal of the WTCS from the project. Failure of the WTCS to execute their duties shall be considered as non-performance under Subsection 150.7.01.

The Engineer will periodically review the Work for compliance with the requirements of the TTC plan.

On projects where traffic control duties will not require full time WTCS supervision, the Engineer may allow the Contractor's Project superintendent, foreman, subcontractor, or other designated personnel to serve as the WTCS as long as satisfactory results are obtained. Nevertheless, the individual shall meet the requirements and perform the duties of a WTCS.

B. Sequence of Operations

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

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

the opinion of the Engineer; they are no longer necessary for the satisfactory progress of the Work. Bypasses and detours shall meet the minimum requirements of Subsection 150.3.01.E.

As an option to the Sequence of Operations in the Contract, the Contractor may submit an alternative Sequence of Operations for review and approval. Alternate Sequence of Operations for pedestrian facilities shall be in compliance with the MUTCD and ADA. Pedestrian needs identified in the preconstruction phase shall be included in the proposed alternate plan.

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

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

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

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

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

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

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

5. Horizontal and vertical alignment and superelevation rates for detours, including cross-section and profile grades along each edge of existing pavement.

6. Drainage details for temporary and permanent alignments.

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

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

9. For each traffic shift, a paving plan, erection plan, or work site plan, as appropriate, detailing workforce, materials, and equipment necessary to accomplish the proposed Work. This will be the minimum resource allocation required in order to start the Work.

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

C. Pedestrian Considerations

All existing pedestrian facilities, including access to transit stops, shall be maintained. Where pedestrian routes are closed, alternate routes shall be provided. Closures of existing, interim, and final pedestrian facilities shall have the prior written approval of the Engineer. When existing pedestrian facilities are disrupted, closed, or relocated in a TTC zone, the temporary facilities shall be detectable and shall include accessibility features consistent with the features present in the existing pedestrian facility. Pedestrian facilities are considered improvements and provisions made to accommodate or encourage walking. Whenever a sidewalk is to be closed, the Engineer shall notify the maintaining agency two (2) weeks prior to the closure. Prior to closure, detectable barriers (that are detectable by a person with a visual disability traveling with the aid of a long cane), as described by the MUTCD, shall be placed

across the full width of the closed sidewalk. Barriers and channelizing devices used along a temporary pedestrian route shall be in compliance with the MUTCD.

Temporary Traffic Control devices used to delineate a Temporary Traffic Control Zone Pedestrian Walkway shall be in compliance with Subsection 150.3.01.A. Appropriate signs as described in the MUTCD shall be maintained to allow safe passage of pedestrian traffic or to advise pedestrians of walkway closures (Refer to MUTCD Figures TA-28 and TA-29 for guidance). Advance closure signing should be placed at intersections rather than midblock locations so that pedestrians are not confronted with midblock work sites that will induce them to attempt skirting the work site or making a midblock crossing. Temporary Traffic Control devices and construction material shall not intrude into the usable width of the pedestrian walkway. Signs and other devices shall be placed such that they do not narrow or restrict any pedestrian passage to less than forty-eight inches (≥ 48").

1. Pedestrian Signage

A pedestrian walkway shall not be severed or relocated for non-construction activities, such as parking for construction vehicles and equipment. Movement by construction vehicles and equipment across designated pedestrian walkways should be minimized. When necessary, construction activities shall be controlled by flaggers. Pedestrian walkways shall be kept free of mud, loose gravel, or other debris.

When temporary covered walkways are used, they shall be lighted during nighttime hours. When temporary traffic barrier is used to separate pedestrian and vehicular traffic, the temporary barrier shall meet Manual for Assessing Safety Hardware (MASH) Test Level 3 and/or NCHRP-350 Test Level Three. The barrier ends shall be protected in accordance with Georgia Standard 4960. Curbing shall not be used as a substitute for temporary traffic barriers when temporary traffic barriers are required. Tape, rope, or plastic chain strung between temporary traffic control devices are not considered as detectable and shall not be used as a control for pedestrian movements.

The WTCS shall inspect the activity area daily to ensure that effective pedestrian TTC is being maintained. The inspection of TTC for pedestrian traffic shall be included as part of the TC-1 report.

2. Temporary Pedestrian Facilities

Temporary pedestrian facilities shall be detectable and include accessibility features consistent with the features present in the existing pedestrian facility. The geometry, alignment and construction of the facility should meet the applicable requirements of the "Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)".

a. Temporary Walkways with Detectable Edging

A smooth, continuous hard surface (firm, stable and slip resistant) shall be provided throughout the entire length of the temporary pedestrian facility. Compacted soils, sand, crushed stone, or asphaltic pavement millings shall not be used as a surface course for walkways.

Temporary walkways shall include detectable edging as defined in the MUTCD. When temporary traffic barrier is included as a pay item in the Contract and where locations identified on the Plans for positive protection will also allow them to serve as pedestrian detectable edging, payment will be made for the temporary traffic barrier in accordance with Section 620. No payment will be made for temporary walkways with Detectable Edging where existing pavements or existing edging (that meets the requirements of MUTCD) are utilized as temporary walkways. Payment for temporary detectable edging, including approved barriers and channelizing devices, installed on existing pavements shall be included in Traffic Control-Lump Sum.

Regardless of the materials used, temporary walkways shall be constructed with sufficient thickness and durability to withstand the intended use for the duration of the construction project. If concrete or asphalt is used as the surface course for the walkway, it shall be a minimum of one and one-half inches (≥ 1-1/2") thick. Temporary walkways constructed across unimproved streets and drives shall be a minimum thickness of four inches (≥ 4") for concrete and three inches (≥ 3") for asphalt. Joints formed in concrete sidewalks shall be in accordance with Section 441 Concrete surfaces shall have a broom finish.

If plywood is used as a walkway, it must be a minimum of three quarters of an inch (≥ 3/4") thick, pressure treated and supported with pressure treated longitudinal joists spaced a maximum of sixteen inches (≤ 16") on center. The plywood shall be secured to the joist with galvanized nails or galvanized deck screws. Nails and screws shall be countersunk to prevent snagging or tripping the pedestrians. A slip resistant friction course shall be applied to any plywood surface that is used as a walkway. Any slip resistant material used shall have the prior written approval of the Engineer.

The Contractor may propose alternate types of Temporary Walkways provided that the Contractor can document that the proposed walkway meets the requirements of the "Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)". Alternate types of Temporary Walkways shall have the prior written approval of the Engineer.

Temporary walkways shall be constructed and maintained so there are no abrupt changes in grade or terrain that could cause a tripping hazard or could be a barrier to wheelchair use. The Contractor shall construct and maintain the walkway to ensure that joints in the walkway have a vertical difference in elevation of no more than one quarter (≤ 1/4") of an inch and that the horizontal joints have gaps no greater than one half (≤ 1/2") of an inch. The grade of the temporary walkway should parallel the grade of the existing walkway or roadway and the cross slope should be no greater than two percent (≤ 2%). A width of sixty inches (60"), if practical, should be provided throughout the entire length of any temporary walkway. The temporary walkway shall be a minimum width of forty eight (48") inches. When it is not possible to maintain a minimum width of sixty (60") inches throughout the entire length of temporary walkway, a sixty (60") inch by sixty (60") inch passing space should be provided at least every two hundred feet (200 ft.), to allow individuals in wheelchairs to pass.

Temporary walkways shall be constructed on firm subgrade. Compact the subgrade according to Section 209. Furnish and install any needed temporary pipes prior to constructing any walkway to ensure positive drainage away from or beneath the temporary walkway. Once the walkway is no longer required, remove any temporary materials, and restore the area to the original conditions or as shown in the Plans.

b. Temporary Curb Cut Wheelchair Ramps

Temporary curb cut wheelchair ramps shall be constructed in accordance with Section 441 and Construction Detail A-3 Curb Cut (Wheelchair) Ramps Concrete Sidewalk Details. Ramps shall also include a detectable warning surface in accordance with Construction Detail A-4 Detectable Warning Surface Truncated Dome Size, Spacing and Alignment Requirements. Other types of material for the construction of the temporary curb cut wheelchair ramps, including the detectable warning surface, may be used provided the Contractor can provide documentation that the material to be used meets the requirements of the "Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)". When a wheelchair ramp is no longer required, remove the temporary materials, and restore the area to existing conditions or as shown in the Plans. For the items required to restore the area to original conditions or as shown in the Plans, measures for payment shall be covered by Contract pay items. If pay items are not included in the Contract, then payment for these items shall be included in Traffic Control-Lump Sum.

c. Temporary Audible Information Device

Temporary audible information devices, when shown in the Plans, shall be installed in compliance with the "Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)". The devices shall be installed in accordance with the manufacturer's recommendations. Prior to installation, the Contractor shall provide the Engineer with a set of manufacturer's drawings detailing the proper installation procedures for each device. When no longer required, the devices shall remain the property of the Contractor.

150.2 Materials and Traffic Control Devices

150.2.01 Traffic Control Devices

A. NCHRP 350 and MASH

All devices shall be certified in accordance with the Manual for Assessing Safety Hardware (MASH) Test Level 3 and/or the National Cooperative Highway Research Program (NCHRP) 350 Test Level 3 as applicable unless modified by this Special Provision. In addition, temporary work zone devices, including portable barriers, manufactured after December 31, 2019, must have been successfully tested under 2016 edition of MASH requirements. Such devices manufactured on or before this date, and successfully tested under either NCHRP Report 350 or the 2009 edition of MASH, may continue to be used throughout their normal service lives.

B. Approval

All traffic control devices with applicable Qualified Products List (QPL) categories shall come from the appropriate QPL list. Products not on the QPL may be used with an approval letter from the Georgia Department of Transportation Office of Materials and Testing. If there is no applicable QPL, the Contractor shall provide proof of MASH/NCHRP 350 certification. The proof may be a letter or written statement from the manufacturer that the product is MASH/NCHRP 350 approved. Decal certifications are not proof of certification and are not required.

C. Quality Guidelines for All Temporary Traffic Devices

All traffic control devices found to be unacceptable in accordance with the current ATSSA, "Quality Guidelines for Temporary Traffic Devices and Features" regardless of total numbers shall be replaced within twenty-four (24) hours unless stated otherwise in the Specifications, in the Contract, or as directed by the Engineer.

150.2.02 Retroreflectivity Requirements

A. Signs

Reflective sheeting shall meet the requirements of Section 913 and QPL-29

All construction warning signs (black on fluorescent orange) shall meet the minimum reflectivity and color requirements of ASTM D4956 Type XI regardless of the mounting height. All other signs reflectorization shall be in accordance with the Plans, Contract, and "GDOT Signing and Marking Design Guidelines".

B. Channelization Devices

Reflective sheeting shall meet the requirements of Section 913 and QPL-29

All channelization devices (white/ fluorescent orange and white/red) shall meet the minimum retroreflectivity requirements of ASTM D4956 Type IV or Type VI.

150.2.03 Arrow Panels

Arrow panels shall meet the requirements for MUTCD (6L.06) and QPL-79.

Portable sequential arrow, sequential chevron, or flashing arrow panels shall be a minimum size of forty-eight inches (48") high by ninety-six inches (96") wide with not less than fifteen (15) lamps used for the arrow. The arrow shall occupy virtually the entire size of the arrow panel and shall have a minimum legibility distance of one (1) mile. The minimum legibility distance is the distance at which the arrow panel can be comprehended by an observer on a sunny day, or clear night. Arrow panels shall be equipped with automatic dimming features for use during hours of darkness. The arrow panels shall also meet the requirements for a Type C panel as shown in the MUTCD (6L.06). The sequential or flashing arrow panels shall not be used for lane closure on two-lane, two-way highways when traffic is restricted to one-lane operations in which case, appropriate signing, flaggers and when required, pilot vehicles will be deemed sufficient.

The arrow panels shall be placed on the shoulder at or near the point where the lane closing transition begins. The panels shall be mounted on a vehicle, trailer, or other suitable support. Vehicle mounted panels shall be provided with remote controls. Minimum mounting height shall be seven feet (7') above the roadway to the bottom of the panel, except on vehicle mounted panels which should be as high as practical.

For emergency situations, arrow display panels that meet the MUTCD requirements for Type A or Type B panels may be used until Type C panels can be located and placed at the site. The use of Type A and Type B panels shall be held to the minimum length of time possible before having the Type C panel(s) in operation. The Engineer shall determine when conditions and circumstances are considered to be emergencies. The Contractor shall notify the Engineer, in writing, when any non-specification arrow display panel(s) is being used in the Work.

150.2.04 Channelization Devices

A. General

Channelization shall clearly delineate the travel way through the work zone and alert drivers and pedestrians to conditions created by work activities in or near the travel way. Channelization shall be in accordance with the Plans, Specifications, MUTCD, QPL-34, and the following requirements.

B. Drums

1. Design

Drums shall meet the minimum requirement of the MUTCD (6K.06). Drums shall have six inch (6") wide stripes – white/fluorescent orange.

2. Application

Drums shall be used as the required channelizing device to delineate the full length of a lane closure, shift, or encroachment, except as modified by this Subsection.

3. Longitudinal Channelization

Drums shall be spaced as listed below for various roadside work conditions except as modified by Subsection 150.3.11. Spacing shall be used for situations meeting any of the conditions listed as follows:

a. FORTY FOOT (40') SPACING MAXIMUM
- For difference in elevation exceeding two inches (> 2").
- For healed sections no steeper than 4:1 as shown in Subsection 150.3.11, Detail 150-H.

b. EIGHTY FOOT (80') SPACING MAXIMUM
- For difference in elevation of two inches (≤ 2") or less.
- Flush areas where equipment or workers are within ten feet (≤ 10') of the travel lane.

c. 200 FOOT SPACING MAXIMUM: Where equipment or workers are more than ten feet (> 10') from travel lane. Lateral offset clearance to be four feet (4') from the travel lane.
- For paved areas, eight feet (> 8') or greater in width that are paved flush with a standard width travel lane.
- For disturbed shoulder areas not completed to typical section that are flush to the travel lane and considered a usable shoulder.

4. Removal of Drums

Drums may be removed after shoulders are completed to typical section and grassed. Guardrail and other safety devices shall be installed and appropriate signs advising of conditions such as soft or low shoulder shall be posted before the drums are removed.

C. Vertical Panels

1. Design

All vertical panels shall meet the minimum requirements of the MUTCD (6K.05). All vertical panels shall have a minimum of 270 square inches of retroreflective area facing the traffic and be a minimum of thirty-six inches (≥ 36") high. The vertical panels shall be in addition a minimum eight inches (≥ 8") wide with a stripe width of six inches (6") – white/fluorescent orange.

2. Application
Vertical panels with retroreflectivity less than Type VI can only be used when traffic drums reduce the travel lane to less than ten feet (≤ 10'); vertical panels shall be used to restore the travel lane to ten feet (≥ 10') or greater. No other application of vertical panels with retroreflectivity less than type VI will be permitted.

Vertical panels with a minimum type VI retroreflectivity and six (6") inch stripe may be used for longitudinal channelization in the activity zone where work takes place for short-term stationary lane closures and intermediate-term stationary lane closures. They can be used for lane closures lasting three (3) days and with Engineer approval up to seven (7) days. They shall not be used in the transition zone including the tapers and the tangent lengths between tapers.

D. Cones

1. Design:
All cones shall be a minimum of twenty-eight inches (≥ 28") in height regardless of application and shall meet the requirements of the MUTCD (6K-1). Retroreflectivity may be deleted from all cones.

2. Application
On interstates, cones shall be prohibited. On all other routes, cones may only be used for longitudinal channelization in the activity zone where work takes place for short-term stationary lane closures. They shall not be used in the transition zone including the tapers and the tangent lengths between tapers. The use of cones for nighttime work will not be permitted. Cones shall not be stored or allowed to be visible on the worksite during nighttime. Cones may be used for daytime flagging operations including tapers at flagging stations.

E. Barricades

1. Design

Type 3 barricades shall meet the minimum requirements of the MUTCD (6K.07). The Contractor has the option of choosing Type 3 barricades from the QPL-34 or the Contractor may utilize generic barricades that are approved by the Federal Highway Administration (FHWA). When barricades have been specifically crash tested with signs attached, the Contractor has the responsibility to attach the signs as per the manufacturer's recommendations to ensure crashworthiness. If the barricades were not tested with the signs, crashworthy compliance may require that rigid signs be mounted separate from the Type 3 barricade.

The use of Type 1 and Type 2 barricades will not be permitted.

2. Application
Type 3 barricades shall be placed as required by the Plans, the Standards, and as directed by the Engineer. When a barricade is placed so that it is subject to side impact from a vehicle, a drum shall be placed at the side of the barricade to add target value to the barricade.

F. Warning Lights

1. Design
All warning lights shall meet the requirements of the MUTCD (6L.07).

2. Application:
   a. Type A low-intensity flashing lights shall be used as shown in the Plans, the Standards, and as directed by the Engineer.

   b. Type C Steady-Burn lights shall be used as shown in the Plans, the Standards, and as directed by the Engineer.

150.2.05 Flashing Beacon

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

150.2.06 Guardrail

Guardrail shall comply with Section 641 Guardrail and the guardrail standards.

When the removal and installation of guardrail is required, as a part of the Work, the following time restrictions shall apply unless modified by the special conditions:

From the time that the existing guardrail or temporary positive barrier protection is removed, the Contractor has fourteen (14) days to install the new guardrail and anchors. During the interim, the location without guardrail shall be protected with drums spaced at a maximum spacing of twenty feet (20'). The guardrail blunt end is to be treated as a fixed object and shall be protected. The maximum length of rail that can be removed at any time without being replaced with positive barrier protection is a total of 2000 linear feet of existing rail or the total length of one run of existing rail, whichever is less. Based on existing field conditions, the Engineer may review the Work and require that the guardrail be installed earlier than the maximum time allowed.

The Contractor shall install new guardrail, such that traffic exposure to fixed objects is minimized. Within the same workday, temporary attenuators, as defined in Subsection 150.2.10, should be installed on the approach to fixed objects that can't be protected with guardrail. Truck or trailer mounted attenuators may be used to shield exposed fixed objects for periods not to exceed fourteen (14) days. No separate payment will be made for truck or trailer mounted attenuators, attenuators, or other methods unless provided for in the Contract.

When the roadway is open to traffic, guardrail panels shall be lapped to comply with the directional flow of traffic. Should the staging of the Work require that the lap of the guardrail be changed, this Work shall be completed before the roadway is opened to traffic. The Work to change the lap of any guardrail shall be included in Traffic Control-Lump Sum.

The laps on anchors shall be in accordance with the manufacturer's recommendations and installation instructions. As a result, a trailing anchor may be lapped opposing the flow of traffic.

Failure to comply with the above time and quantity restrictions shall be considered as non-compliance under Subsection 150.7.01.

150.2.07 Interim Signs

A. Sign Blanks and Panels

All TTC sign blanks and panels should conform to Section 912 of the Specifications. Alternative sign blank materials (composites, polycarbonates, fiberglass reinforced plastics, recycled plastics, etc.) shall have a letter of approval from the Office of Materials and Testing for use as interim construction signs before these materials are allowed to be incorporated into the Work, unless these rigid sign blanks are currently approved as a crashworthy sign blank material under QPL- 34.
Unless specified elsewhere in the Contract, Specifications, Plans, and/or directed by the Engineer, sign sizes are according to the following:

1. All construction signs sizes shall follow the dimensions provided in the MUTCD Table 6G-1, GH-1, and 6I-1 "Temporary Traffic Control Zone Sign and Plaque Sizes" under the column for "Freeway or Expressway".

2. For all other signs used just for staging, the sign sizes shall follow the dimensions provided in the MUTCD Table 2B-1 "Regulatory Sign and Plaque Sizes" for the largest size.

3. Permanent signs used for staging shall be according to Plans.

Plywood blanks or panels will not be permitted.

The use of flexible signs will not be permitted.

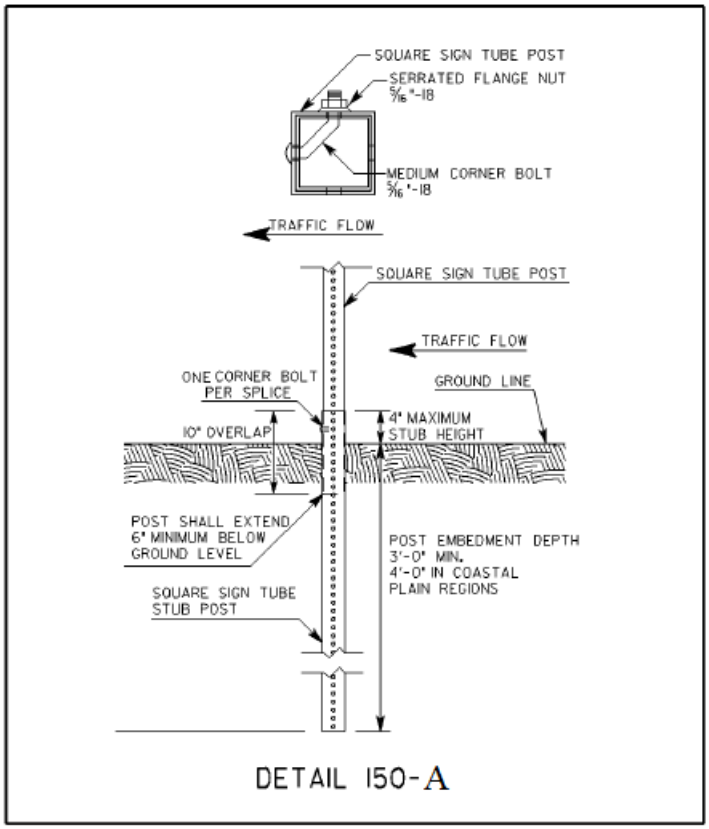
For utility work not included in the Contract, the utility Contractor may use flexible signs within the project limits.

B. Posts

Permanent mounting height to the bottom of sign shall be seven (7) feet to eight (8) feet measured vertically from the bottom of the sign to the elevation of the near edge of the pavement or from the walkway. Posts for all interim signs

should be square tubular post meeting the requirements of Section 911, QPL-35, and Construction Detail T-3A (Type 7, 8, and 9 Square Tube Post Installation Detail). Ground mounted sign(s) that are greater than 48" wide shall be mounted on two posts. For barrier mounted sign, single post mount is allowed. The post(s) shall not extend beyond the top of the sign(s). The sign(s) shall be substantially plumbed and leveled.

Unprotected interim posts shall be spliced as shown in Detail 150-A, unless full length unspliced posts are used. Unprotected post splices will not be permitted any higher than four inches above the ground line to lessen the possibility of affecting the undercarriage of a vehicle. Installation of posts may require establishment of openings in existing pavements, islands, shoulders, etc.



DETAIL 150-A

150.2.08 Pavement Markings

All temporary traffic striping shall conform to the applicable requirements of Section 652, Section 653, Section 657, Section 658, Section 659, and QPL-46.

A. All Traffic Striping for 45 Days or Less (≤45 Days)

All traffic striping that will be in place for 45 days or less shall be 4 inches or greater in width.

B. All Temporary Striping Beyond 45 days (>45 Days)

All traffic striping applied on intermediate surfaces shall be a minimum 5 inches in width or as shown on the Plans. On final surfaces when temporary striping will be overlaid or eradicated, the temporary striping shall be a minimum 5 inches in width.

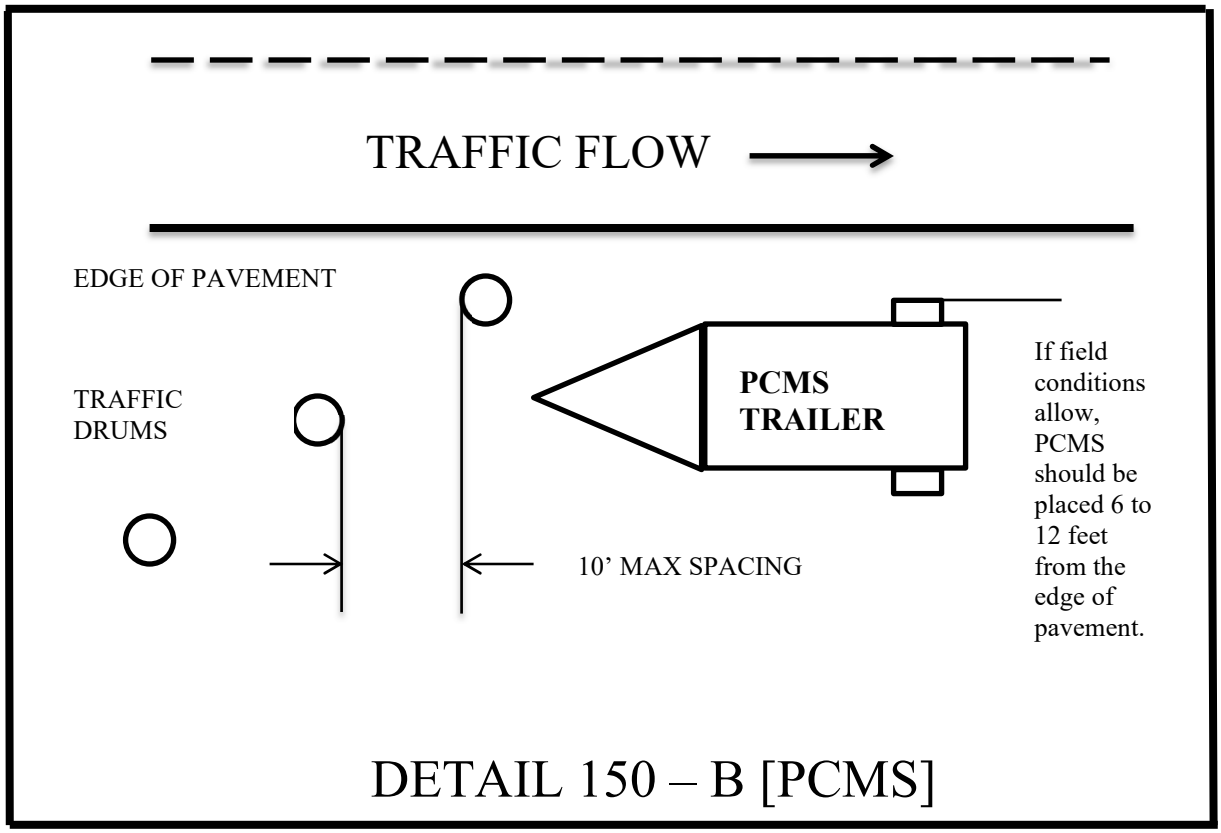
C. All Temporary Traffic Striping on Final Surface

All temporary traffic striping applied to final surfaces which will not be overlaid or grinded may be 4 inches in width or as shown on the Plans.

150.2.09 Portable Changeable Message Signs

When specified, a portable changeable message sign (PCMS) shall meet the minimum requirements of Section 632, MUTCD (6L.05) and be on QPL-82. The maximum amount of messages allowed to be flashed on one PCMS is two phases (flashes). The language and the timing of the messages shall comply with the MUTCD and Section 632. When used as an advanced device, the PCMS should typically be placed ahead of the construction activities. If the PCMS is used as a substitute for another device, then the requirements for the other device apply.

Any PCMS in use, which is not protected by positive barrier protection, shall be delineated by a minimum of three drums that meet the requirement of Subsection 150.2.04.B. The drum spacing shall not exceed a maximum of ten (10') feet as shown in Detail 150-B. When the PCMS is within twenty (20') feet of the opposing traffic flow, the trailing end of the PCMS shall be delineated with a minimum of three drums spaced in the same manner as the approach side of the PCMS.



DETAIL 150 – B [PCMS]

When not in use, the PCMS shall be removed from the roadway, unless protected by positive barrier protection. If the PCMS is protected by positive barrier protection, the sign panel shall be turned away from traffic when not in use.

150.2.10 Portable Impact Attenuators

This work consists of the furnishing (including spare parts), installation, maintenance, relocation, reuse as required, and removal of Portable Impact Attenuator Units/Arrays.

Portable Impact Attenuator Unit/Arrays installation shall conform to the requirements of Section 648, Manufacturer's recommendations and "(Georgia Standard 4960 "Temporary Barrier (End Treatment Options)" and shall be installed at locations designated by the Engineer, and/or as shown on the Plans. When gating attenuators are used, the Contractor shall maintain the appropriate recovery area in accordance with the manufacturers' recommendations.

Generic sand/water loaded modules are prohibited. Manufacturers' sand/water loaded modules with specific arrays that have been NCHRP 350/MASH approved can be used in appropriate locations.

The test level of protection provided shall equal or exceed the speed limit. Test level 3 shall be used for forty-five (45) mph or above.

150.2.11 Portable Temporary Traffic Control Signals

The use of Portable Temporary Traffic Control Signals shall meet the following minimum requirements:

Only two-lane, two-way roadways will be allowed to utilize Portable Temporary Traffic Control Signals.

All portable traffic control signals shall meet the physical display and operational requirements of conventional traffic signals described in the MUTCD.

Each signal face shall have at least three lenses. The lenses shall be red, yellow, and green in color and shall give a circular type of indication. All lenses shall be twelve (12") inches nominal in diameter. A minimum of two signal faces shall face each direction of traffic. A minimum of one signal head shall be suspended over the roadway travel lane in a manner that will allow the bottom of the signal head housing to be not less than seventeen (17') feet above and not more than nineteen (19') feet above the pavement grade at the center of the travel lane. The second signal head may be located over the travel lane with the same height requirements or the second signal head may be located on the shoulder. When the signal head is located on the shoulder, the bottom of the signal head housing shall be at least eight (8') feet but not more than (15') feet above the pavement grade at the center of highway.

Advance warning signage and appropriate pavement markings shall be installed as part of the spliceal operation.

The signals shall be operated in a manner consistent with traffic requirements. The signals may be operated in timed-mode or in a vehicle-actuated mode. The signals shall be interconnected in a manner to ensure that conflicting movements cannot occur. To ensure that the appropriate operating pattern, including timing is displayed to the traveling public, regular inspections, including the use of accurate timing devices shall be made by the WTCS. If, at any time, any part of the system fails to operate within these requirements then the use of the signal shall be suspended, and the appropriate flagging operation shall begin immediately.

The (WTCS) shall continuously monitor the portable traffic control signal to ensure compliance with the requirements for maintenance under the MUTCD. The signal shall be maintained in a manner consistent with the intention of the MUTCD, with emphasis on cleaning of the optical system. Timing changes shall be made only by the WTCS. The WTCS shall keep a written record of all timing changes.

The portable temporary traffic signal shall have two power sources and shall be capable of running for seven calendar days continuously.

The Contractor shall have an alternate temporary traffic control plan in the event of failure of the signal.

150.2.12 Raised Pavement Markers

Raised pavement markers (RPMs) shall meet the requirements of Section 654 and QPL-76 .

150.2.13 Rumble Strips

Rumble strips incorporated into the Work shall meet the requirements of Section 429 and the MUTCD. Existing rumble strips that are positioned in the traveled way to warn traffic of a stop condition shall be reinstalled prior to opening to traffic. Based on the following requirements:

Intermediate surfaces that will be in use for more than forty-five (45) calendar days shall have rumble strips reinstalled on the traveled way in the area of a stop condition. Non-refundable deductions in accordance with Subsection 150.7.01 will be assessed for any intermediate surface in place for greater than 45 days without rumble strips.

Rumble strips shall be installed on the final surface within fourteen (14) calendar days of the placement of the final surface in the area of the stop condition. Failure to install within fourteen (14) calendar days will result in assessment of non-refundable deductions in accordance with Subsection150.7.01.

Prior to the removal of any rumble strips located in the travel lane, stop ahead (W3-1) warning signs shall be double indicated ahead of the stop condition. These warning signs shall be a minimum of 48 inches by 48 inches. These warning signs shall remain in place until the rumble strips have been reinstalled on the traveled way. Any existing warning signs for the stop ahead condition shall be removed or covered while the 48" X 48" (W3-1) signs are in place. When the rumble strips have been reinstalled, these warning signs should be promptly removed, and any existing signage placed back in service.

150.2.14 Temporary Barriers

A. Design:

Temporary barriers shall meet the requirements of Sections 620. The lengths of advancement should be in accordance with Georgia Standard 4000W "Lengths of Advancement, Clear Zone Distances, and Fill Height Embankment". The approach end of the taper should have 10:1 or flatter ground slope. Temporary barriers shall not be used as a channelization device. Their use is in accordance with MUTCD (6K.09).

B. Application:

Temporary barriers shall be placed as required by the Plans, Standards, and as directed by the Engineer. When Temporary barrier is located twenty feet (≤ 20') or less from a travel lane, yellow reflectors shall be fixed to the top of the barrier at intervals not greater than forty feet (≤ 40') in the longitudinal section and twenty feet (20') in the taper section and shall be mounted approximately two inches (2") above the barrier. If both lanes of a two-lane two-way roadway are within twenty feet (≤ 20') or less of the barrier then the reflectors shall be installed for both directions of traffic.

The reflectors shall be one hundred (100) square inches (ASTM Type VII or VIII/ Type XI) reflective sheeting mounted on flat-sheet blanks. The reflectors shall be mounted approximately two inches above the top of the barrier. The reflectors shall be attached to the barrier with adhesive or by a drilled-in anchor type device. The reflectors shall not be attached to a post or board that is placed between the gaps in the barrier sections.

Approach end of Temporary barrier shall be protected according to Georgia Standard 4960 "Temporary Barrier (End Treatment Options)" or by a portable impact attenuator.

On interstates or other controlled access highways where lane shifts or crossovers cause opposing traffic to be separated by less than forty feet (<40'), portable barrier should be used as a separator.

150.2.15 Temporary Guardrail Anchorage- Type 12

This work consists of the furnishing, installation, maintenance, and removal of Temporary Guardrail Anchorage- Type 12 used for Portable Barrier or temporary guardrail end treatment. Materials used in the Temporary Guardrail Anchorage- Type 12 shall meet the requirements of Section 641 of the Specifications and current Georgia Standards and may be new or used. Materials salvaged from the Project, which meet the requirements of Standards, may be utilized if available. The use of any salvaged materials will require prior approval of the Engineer.

Installation of the Temporary Guardrail Anchorage- Type 12 shall conform to the requirements of the Plans, current Georgia Standards and Section 641 of the Specifications. Installation shall also include sufficient additional guardrail and appurtenances to effect the transition and connection to Temporary Concrete Barrier as required by the details in Georgia Standard 4960 "Temporary Barrier (End Treatment Options)".

150.2.16 Temporary Traffic Signals

Temporary traffic signals shall meet the requirements of Section 647 and the MUTCD.

150.3 Construction Requirements

150.3.01 General

A. Implementation Requirements

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

When any shift or change is made to the location of traffic or to the flow patterns of traffic, including pedestrian traffic, the permanent safety features shall be installed and fully operational before making the change. If staging or site conditions prevent the installation of permanent features, then the equivalent interim devices shall be utilized. This work shall also include any necessary removal and reinstallation of guardrail panels to achieve the required panel lap to accommodate the appropriate shift and traffic flow including the final traffic flow configuration. The cost of performing this work shall be included in Traffic Control-Lump Sum.

Any section of the Work that is on a new location shall have all permanent safety features installed and fully operational before the Work is opened to traffic. Safety features shall include, but are not limited to the following items:

Guardrails including anchors and delineation with properly lapped panels

1) Cable Barrier
2) Impact attenuators
3) Traffic signals
4) Warning devices
5) Pavement markings including, but not limited to, words, symbols, stop bars, arrows, hatching and crosswalks
6) Roadway signs including regulatory, warning, and guide

Outdoor lighting shall be considered as a safety feature for welcome centers, rest areas, and weigh station projects. For typical roadway type projects, new street lighting is not considered a safety feature, unless specifically noted in the Plans or in the special conditions.

B. Maintenance of Traffic Control Devices

Traffic control devices shall be in acceptable condition when first erected on the Project and shall be maintained in accordance with Section 104 throughout the construction period. All unacceptable traffic control devices shall be replaced within twenty-four (24) hours. When not in use, all traffic control devices shall be removed, placed or covered so as not to be visible to traffic.

C. Traffic Interruption Restrictions

The Department reserves the right to restrict construction operations when, in the opinion of the Engineer, the continuance of the Work would seriously hinder traffic flow, be needlessly disruptive or unnecessarily inconvenience the traveling public. The Contractor shall suspend and/or reschedule any work when the Engineer deems that conditions are unfavorable for continuing the Work.

Advanced notification requirements to the Contractor to suspend work will be according to the events and the time restrictions outlined below:

Incident management - No advanced notice required

Threatening/Inclement weather - twenty-four (24) hours

Holiday, sporting events, unfavorable conditions - Three (3) calendar days

If the Work is suspended, the Contractor may submit a request for additional Contract time as allowed under Section 108. The Department will review the request and may grant additional Contract time as justified by the impact to the Contractor's schedule. Compensation for loss of productivity, rescheduling of crews, rental of equipment or delays to the Contractor's schedule will not be considered for payment. Additional Contract time will be the only consideration granted to the Contractor.

D. Work Zone Restrictions

1. Interstate

The Contractor should not simultaneously perform work on both the inside shoulder and outside shoulder on either direction of traffic flow when the Work is within 12 feet of the travel-way. Shoulders can be alternated if areas are separated by at least one-half mile of distance.

2. Non-Interstate Divided Highways

The Contractor should not simultaneously perform work on both the inside shoulder and outside shoulder on either direction of traffic flow when the Work is within 12 feet of the travel-way. Shoulders can be alternated if areas are separated by at least one-half mile distance in rural areas or at least 500 feet of distance in urban areas.

3. Non-Divided Highways

a. The Contractor should not simultaneously perform work on opposite sides of the roadway when the Work is within 12 feet of the travel-way. Shoulders can be alternated if areas are separated by at least one-half mile of distance in rural areas or at least 500 feet of distance in urban areas.

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

E. Work Zone Geometric Restrictions

There should be no reduction in the total number of available traffic lanes including turning lanes that existed prior to construction, except as specifically allowed by the Contract and as approved by the Engineer.

Travel lane Clearances: All portions of the Work should maintain the following minimum requirements:

Horizontal: The combined dimensions of the paved shoulder and the roadway surface remaining outside the Work Zone should be no less than sixteen feet (≥ 16') in width at any location.

Vertical: The overhead clearance should not be reduced to less than fifteen feet (≥ 15') at any location.

The restrictions above apply to all shifts, lane closures, on-site detours and off-site detours whether shown in the Contract or proposed by the Contractor. It shall be the responsibility of the Contractor to verify that these minimum requirements have been met before proceeding with any phase of the Work. Two-lane, two-way roadways may have temporary horizontal restrictions of less than sixteen feet (≥ 16') during flagging operations. The minimum horizontal clearance should be restored before the flagging operation is removed.

F. Clear Zone

At the end of the workday, all equipment, materials, and TTC devices not in use should be moved out of the clear zone or behind positive protection. The clear zone is defined by Georgia Standard 4000W "Lengths of Advancement, Clear Zone Distances, Fill Height Embankment". For urban roadway with curb, the minimum set back is six (6') feet from the curb face. If stored behind positive protection, proper lengths of advancement should be maintained. If stored behind guardrail the items shall be a minimum five feet (≥ 5') from the face of the guardrail and not in the recovery zone of the anchor.

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

G. Milled Surface Restrictions

1. Non – Resurfacing Projects

Unless modified by the special conditions, a milled surface on any non-resurfacing project shall not be allowed to remain open for a period of time that exceeds thirty (**30)** calendar days.

2. Resurfacing Projects

A. Unless modified by the special conditions, a milled surface (excluding micro-mill) on an interstate or limited access highway resurfacing project shall be covered prior to opening to traffic.

B. Unless modified by the special conditions, a milled surface on any other resurfacing project not specified above shall not be allowed to remain open for a period of time that exceeds three **(3)** calendar days.

Failure to cover milled areas as specified above will result in liquidated damages to be assessed in accordance with Special Provision Section 150.7.01 Enforcement and Adjustments.

H. Construction Vehicles

The Contractor's vehicles shall travel in the direction of normal roadway traffic and shall not reverse direction except at intersections, interchanges, or approved temporary crossings. The Contractor may submit a plan requesting that construction traffic be allowed to travel in the opposite direction of normal traffic when it would be desirable to modify traffic patterns to accommodate specific construction activities.

Prior approval of the Engineer shall be obtained before any construction traffic is allowed to travel in a reverse direction. If the Contractor's submittal is approved, the construction traffic shall be separated from normal traffic by appropriate traffic control devices.

The parking of Contractor's and/or workers' personal vehicles within the work area or adjacent to traffic is prohibited. It shall be the responsibility of the WTCS to ensure that any vehicle present at the worksite is necessary for the completion of the Work.

I. Environmental Impacts

The Contractor shall ensure that dust, mud, and other debris from construction activities do not interfere with normal traffic operations or adjacent properties.

J. Existing Street Lights

Existing street lighting shall remain lighted as long as practical and until removal is approved by the Engineer.

K. Nighttime Work Lighting

Adequate temporary lighting shall be provided at all nighttime work sites where workers will be immediately adjacent to traffic.

L. Removal/Reinstallation of Miscellaneous Items

In the prosecution of the Work, if it becomes necessary to remove any existing signs, markers, guardrail, etc. not covered by specific pay item, they shall be removed, stored and reinstalled, when directed by the Engineer, to line and grade, and in the same condition as when removed.

150.3.02 Personnel – Worker Safety Apparel

In accordance with MUTCD (6D.03) (6C.04) all workers, within the right-of-way who are exposed either to traffic or to work vehicles and construction equipment within the TTC zone, shall wear high-visibility safety apparel that meets the Performance Class 2 or better.

150.3.03 Signage - General

A. Signing Requirements of the Temporary Traffic Control (TTC) Plan

When existing regulatory, warning or guide signs are required for proper traffic and pedestrian control, the Contractor shall maintain these signs in accordance with the TTC plan. The Contractor shall review the status of all existing signs, interim signs added to the Work, and permanent sign installations that are part of the work to eliminate any conflicting or non-applicable signage in the TTC Plan. The Contractor's review of all signs in the TTC Plan shall establish compliance with the requirements of the MUTCD and Section 150. Any conflicts shall be reported to the Engineer immediately and the WTCS shall take the necessary measures to eliminate the conflict.

The Contractor shall make every effort to eliminate the use of interim signs as soon as the Work allows for the installation of permanent signs.

All existing illuminated signs shall remain lighted and be maintained by the Contractor.

Existing street name signs shall be maintained at street intersections.

Refer to section 150.2.05.B. Sign Blanks and Panels for size and material requirements**.**

B. Conflicting or Non-Applicable Signs

Any sign(s) or portions of a sign(s) that are not applicable to the TTC plan shall be covered so as not to be visible to traffic or shall be removed from the roadway when not in use. The WTCS shall review all traffic shifts and changes in the traffic patterns to ensure that all conflicting signs have been removed. The review shall confirm that the highest priority signs have been installed and that signs of lesser significance are not interfering with the visibility of the high priority signs. High priority signs include signs for road closures, shifts, detours, lane closures and curves. Any signs, such as speed zones and speed limits, passing zones, littering fines and litter pick up, that reference activities that are not applicable due to the presence of the Work shall be removed, stored and reinstalled when the Work is completed.

Failure to promptly eliminate conflicting or non-applicable signs shall be considered as non-performance under Subsection 150.7.01.

C. Removal of Existing Signs and Supports

The Contractor shall not remove any existing signs and supports without prior approval from the Engineer. All existing signs and supports which are to be removed shall be stored and protected if this material will be required later in the Work as part of the TTC plan. If the signs are not to be utilized in the Work, then the signs will become the property of the Contractor unless otherwise specified in the Contract documents.

D. Interim Guide, Warning and Regulatory Signs

Interim guide, warning, or regulatory signs required to direct traffic and pedestrians shall be furnished, installed, reused, and maintained by the Contractor in accordance with the MUTCD, the Plans, Special Provisions, Special Conditions, or as directed by the Engineer. These signs shall remain the property of the Contractor. When the signs are used for long-term stationary operations as defined MUTCD (6G.02), the bottom of all interim signs shall be mounted seven feet (7') to eight feet (8') above the level of the pavement edge or sidewalk. The signs offset should be six feet (6') to twelve feet (12') from the pavement edge or two feet (≥ 2') minimum for sidewalks according to MUTCD (6F-1) (6G-1, 6H-1, and 6I-1). Special Conditions under Subsection 150.6 may modify this requirement.

Portable signs may be used when the duration of the Work is less than three (3) days or as allowed by the special conditions in Subsection 150.6. Portable interim signs shall be mounted a minimum of one foot (≤ 1') above the level of the pavement edge for directional traffic of two (2) lanes or less and at seven feet (7') for directional traffic

of three (3) or more lanes according to MUTCD (6F-2). Signs shall be mounted at the height recommended by the manufacturer's crashworthy testing requirements.

All sign blanks shall be rigid whether the sign is mounted as a portable sign, on a Type III barricade or as a permanent mount height sign. Utilities and their subcontractors working in the project limits, and not included in the project Contract, may use non-rigid signs.

E. Existing Special Guide Signs

Existing special guide signs on the Project shall be maintained until conditions require a change in location or legend content. When change is required, existing signs shall be modified and continued in use if the required modification can be made within existing sign borders using design requirements (legend, letter size, spacing, border, etc.) equal to that of the existing signs, or of Subsection 150.3.E.2. Differing legend designs shall not be mixed in the same sign.

1. Special Guide Signs

   Special guide signs are those expressway or freeway guide signs that are designed with message content (legend) that applies to a particular roadway location. When an existing special guide sign is in conflict with work to be performed, the Contractor shall remove the conflicting sign and reset it in a new, non-conflicting location which has been approved by the Engineer.

2. Interim Special Guide Signs

   When it is not possible to utilize existing signs, either in place or relocated, the Contractor shall furnish, erect, maintain, modify, relocate, and remove new interim special guide signs in accordance with the Plans or as directed by the Engineer. Interim special guide signs that may be required in addition to, or a replacement for, existing expressway and freeway (interstate) signs shall be designed and fabricated in compliance with the minimum requirements for guide signing contained in Chapter 2E "Guide Signs – Freeway and Expressway" of the MUTCD. All interstate shields on these signs shall be 48 inches and 60 inches for two-numeral and three-numeral routes, respectively.

   The road name of the exit or route shield shall be placed on the exit gore sign.

3. Interim Overhead Guide Sign Structures

   Interim overhead special guide sign structures are not required to be lighted unless specifically required by the Plans. If lighting is required, the sign shall be lighted as soon as erected and shall remain lighted, during the hours of darkness, until the interim sign is no longer required. The Contractor shall notify the Power Company at least thirty (30) days prior to desire connection to the power source.

4. Permanent Special Guide Signs

   The installation of new permanent special guide signs and the permanent modification or resetting of existing special guide signs, when included in the Contract, shall be accomplished as soon as practical to minimize the use of interim special guide signs. If lighting is required by the Plans, all new permanent overhead special guide signs shall be lighted as soon as erected.

F. Stop Sign Regulated Intersections

For intersections that utilize stop sign(s) to control the flow of traffic and to restrict the movement of vehicles, the stop sign(s) shall be maintained for the duration of the Work or until such time that the stop condition is eliminated or until an interim or permanent traffic signal can be installed to provide proper traffic control. The traffic signal shall be installed and properly functioning before the removal of the existing stop sign(s) is permitted. If the existing intersection is enhanced traffic control features, such as stop lines, double indicated stop signs, oversized signs, advanced warning stop ahead signs, rumble strips on the approaches or flashing beacons located overhead or on the shoulders then these features shall be maintained for the duration of the project or until the permanent traffic control plan has been implemented.

Whenever the staging of the Work requires that the traveled way be relocated or realigned the Contractor shall reinstall all enhanced traffic control features noted above on the newly constructed sections of the Work. The cost of relocating the stop lines, stop signs, advanced warning signs, the rumble strips and the flashing beacons shall be included in the price bid for Traffic Control - Lump Sum unless individual pay items are included in the Contract for rumble strips and/or flashing beacons. When pay items are included in the Contract for rumble strips or flashing beacons then these items will be paid per each.

When staging requires the relocation or realignment of an existing stop condition, it may be necessary to consider the addition of enhanced traffic control features even though none existed at the original location. Horizontal and vertical alignment changes at a new location may have decreased or restricted sight distance or the stop condition may occur sooner than in the previous alignment. If these conditions occur, then the Engineer and/or the WTCS should consider additional measures to enhance the motorist's awareness of the changes even though the staging plans may not address enhanced features. Stop signs should be a minimum of thirty-six (36") inches for interim situations. The use of forty-eight (48") inch stop signs may be warranted under project specific conditions. Flags may be used on interim/permanent stop signs that are mounted at seven (7') feet in height for a short duration in order to direct additional attention to a new or relocated stop sign(s). Flags should not be used for durations exceeding two weeks unless unusual or site-specific conditions warrant a longer period of time. The use of Type "A" flashing red light(s) attached to the stop sign(s) may be appropriate during the same period that the flags are in use to increase attention.

The use of rumble strips and/or PCMS may be considered. The use of new rumble strips, where none previously existed, shall have the prior approval of District Traffic Operations before being included as part of the temporary traffic control plan. The message(s) displayed on any PCMS shall have the prior approval of the Engineer and the message(s) shall be included as part of the TTC plan for the interim staging.

The placement of any additional interim ground mounted signs and posts or stop lines shall be considered as incidental to the price bid for Traffic Control - Lump Sum. The installation of rumble strips, flashing beacons or the use of Portable Changeable Message Signs (PCMS) shall be considered as Extra Work unless pay items are included in the Contract.

G. Low Shoulder Signage

1. Low Shoulder for Construction/Reconstruction/Resurfacing Projects

"Low Shoulder" (W8-9) signs shall be erected when a difference in elevation less than four (< 4') feet from the traveled way, exceeds one inch (> 1") but does not exceed three inches (≤3") between the travel lane and any type of shoulder. "Low Shoulder" (W8-9) signs shall be a minimum dimension of forty-eight inches by forty-eight inches (48"x48")

The spacing of the signs shall not exceed one (1) mile and the signs shall be placed immediately past each crossroad intersection. The "Low Shoulder" signs shall remain in place until the difference in elevation is eliminated and the shoulder has been dressed and permanently grassed for a minimum of thirty (30) calendar days. These signs shall be furnished, installed, maintained, and removed by the Contractor as part of Traffic Control-Lump Sum. These signs shall be fluorescent orange with black borders.

2. Shoulder Drop-Off for Construction/Reconstruction/Resurfacing Project

"Shoulder Drop-Off" (W8-17) signs shall be used when a difference in elevation, less than four feet (< 4') from the traveled way, exceeds three inches (> 3") and is not protected by positive barrier protection. These warning signs shall be placed in advance of the drop-off. "Shoulder Drop-Off" (W8-17) shall be a minimum dimension of forty-eight inches by forty-eight inches (48"x48")

The spacing of the signs shall not exceed one (1) mile and the signs shall be placed immediately past each crossroad intersection. The "Shoulder Drop-Off" signs shall remain in place until the difference in elevation is eliminated and the shoulder has been dressed and permanently grassed for a minimum of thirty (30) calendar days. These signs shall be furnished, installed, maintained, and removed by the Contractor as part of Traffic Control-Lump Sum. These signs shall be black borders on fluorescent orange background.

H. Bump Signage

A bump sign (W8-1) shall be utilized when a transverse joint in the pavement structure has a vertical difference in elevation of three quarters (≥ 3/4") of an inch or greater in depth with no horizontal taper to ramp the traffic from one elevation to the other. This condition typically occurs at approach slabs during pavement milling operations and at transverse joints in asphaltic pavement lifts. Other conditions include utility and storm drainage repairs that require concrete placement for patching and/or steel plating. "Bump" sign (W8-1) shall be a minimum dimension of forty-eight inches by forty-eight inches (48"x48")

The W8-1 sign shall be placed sufficiently in advance to warn the motorist of the condition.

I. Sign Visibility

All existing, interim, and new permanent signs shall be installed to be completely visible and legible for an advance distance in compliance with the MUTCD. Any clearing required for maintaining the line of sight to existing, interim or permanent signs shall be done as part of the requirements of the TTC plan. The clearing shall include any advance warning signs, both interim and permanent, that are installed as a part of the Work including advance warning signs that are installed outside the limits of the project. Limbs, brush, construction equipment and materials shall be kept clear of the driver's line of sight to all signs that are part of the TTC plan.

150.3.04 Advance Warning Signs

A. Project Signs - All Type of Highways

Advance warning signs shall be placed ahead of the work area in accordance with Part 6 of the MUTCD and unless noted below shall include a series of at least three advance road work (W20-1) signs placed at the termini of the project. The series shall have the legend ROAD WORK (1500 FEET, 1000 FEET, AND 500 FEET).

At grade intersecting roadways and on-ramps shall be signed with a minimum of one ROAD WORK AHEAD sign.

When work terminates at a "T" intersection, a minimum of one "ROAD WORK AHEAD" sign shall be placed in advance of the intersection and one "END ROAD WORK" sign shall be placed at the termination end of the intersection. Field conditions may require the use of additional warning signage.

1. State Routes

Advanced Warning Signs on State Routes shall be a minimum dimension of forty-eight inches by forty-eight inches (48" x 48"). When a State Route intersects a project which consists of adding travel lanes, reconstructing an existing roadway or new location work, the State Route approaches shall have a minimum of three (W20-1) advanced warning signs (1500 ft., 1000 ft., 500 ft.). The termination end of an intersecting State Route shall have END ROAD WORK signage.

The W20-1 signs shall be placed at the termini of the project or sufficiently in advance of the termini to allow for lane shifts, lane closures and other activities which may also require advanced warning signs. The advanced warning signs for the project should not overlap with the advanced warning signs for lane shifts, lane closures, etc.

The length of a work zone should be held to the minimum length required to accomplish the Work. If a project has multiple individual worksites within the overall limits of the project, each site should be signed individually if the advance warning signs for each site can be installed without overlapping an adjacent worksite. As soon as the work is completed at any individual site, the warning signs shall be removed from that site. Clean-up work shall be performed with portable signage.

Project mileage indicated on the G20-1 sign shall be the actual project mileage rounded up to the nearest whole mile. Projects less than two (< 2) miles in length or individual worksites that are part of a multiple worksite project may delete this sign. The G20-1 sign shall be forty-eight inches by twenty-four inches (48" x 24") and the G20-2 sign shall be forty-eight inches by twenty-four inches (48" x 24").

2. Interstate, Limited Access and Multilane Divided Highways

In addition to the W20-1 signs required at 500 ft., 1000 ft. and 1500 ft., multi-lane divided highways shall also have additional advanced warning signs installed with the legend "ROAD WORK (2 MILES, 1 MILE and 1/2 MILE). All construction warning signs on divided highways shall be double indicated (i.e., on the left and right sides of the roadway.) If the use of the half (½) mile, one (1) mile and two (2) mile advanced warning signs cause an overlap with other work or do not benefit field conditions then the Engineer may review the use of these signs and eliminate their installation. When the posted speed limit is fifty (≤ 50) mph or less, the one-half (½) mile, one (1) mile and two (2) mile signs should be eliminated especially in urban areas.

The W20-1 advance warning signs for ROAD WORK 500 FEET; 1000 FEET; and 1500 FEET shall be temporarily covered when work involving the advanced warning signs for lane shifts and lane closures overlap these signs. The ROAD WORK ½ MILE, ROAD WORK 1 MILE, and ROAD WORK 2 MILES shall be in place when the 500, 1000 and 1500 feet signs are temporarily covered.

When the Temporary Traffic Control zone already has advanced warning (W20-1) signs installed the W20-1 signs required for lane closures under Standard 9106 should be eliminated.

3. Ramp Work on Limited Access Highways

The work zone shall not be signed for the entire length of the mainline of a limited access highway when only short individual worksites, interchange or ramp work is being performed.

When work is restricted to ramp reconstruction or widening activities, the advance warning signs on the mainline section of the limited access highway shall be limited to the use of portable advance warning signs. These portable advance warning signs shall only be utilized when work activity is within the gore point of the ramp and the mainline traveled way or work is active in the acceleration/deceleration lane adjacent to the mainline traveled way. Portable advance warning signs (W20-1: 1500 ft. /1000 ft. /500 ft.) shall be installed on the traveled way of the limited access highway when the above conditions are present. The advance warning signs shall be installed only in one direction where work is active. All portable signs shall be double indicated. When work is not active, the ramp work shall be advanced warned by the use of a single forty-eight inches by forty-eight inches (48" x 48") "ROAD WORK AHEAD" (W20-1) with an "ON RAMP" plaque (W13-4p) sign along the right shoulder of the mainline traveled way prior to the beginning of the taper for the deceleration lane. Differences in elevation shall be in compliance with the requirements of Subsection 150.3.11 prior to the removal of the portable (W20-1) advanced warning signs from the mainline.

B. Highway Work Zone

In accordance with Georgia Code, O.C.G.A. § 40-6-188, all sections or segments of the roadway under construction or reconstruction shall be signed as a Highway Work Zone except non-state highway two-lane two-way resurfacing projects. Two conditions can be applied to a Highway Work Zone. Condition 1 is when no reduction in the existing speed limit is required. Condition 2 is when worksite conditions require a reduction of the speed limit through the designated Work Zone. Properly marking a Highway Work Zone shall include the following minimum requirements:

1. No Reduction in the Existing Posted Speed Limit in Highway Work Zone

a. Signage shall be posted at the beginning point of the Highway Work Zone warning the traveling public that increased penalties for speeding violations are in effect. The beginning point of Highway Work Zone is at the project limits, start of work zone, or at the start of the first taper. The HWZ-2 sign shall be placed a minimum of 600 feet in advance of the Highway Work Zone and shall not be placed more than 1000 feet in advance of the Work Zone. If no speed reduction is required, it is recommended that the HWZ-2 be placed at 750 feet from the work area between the ROAD WORK 500 FT. and the ROAD WORK 1000 FT. signs.

HWZ-2 signs shall be placed at intervals not to exceed one mile for the length of the project. HWZ-2 signs should be placed on the mainline after all major intersections except State Routes. State Routes shall be signed as per the requirements for intersecting roadways below.

b. The existing speed limit shall be posted at the beginning of the Work Zone. Existing Speed Limit signs (R2-1) shall be maintained.

c. Intersecting state routes shall be signed in advance of each intersection with the Work Zone with an HWZ-2 sign to warn motorists that increased fines are in effect. All other intersecting roadways that enter into a designated Highway Work Zone may be signed in advance of each intersection with the Work Zone. When construction equipment and personnel are present in the intersection on the mainline of a multi-lane roadway, the intersecting side roads shall be signed in advance with HWZ-2 signs. As soon as the work operation clears the intersection, the signage may be removed.

d. Sign HWZ-3 shall be posted at the end of the Highway Work Zone indicating the end of the zone and indicating that increased penalties for speeding violations are no longer in effect.

e. When a designated Highway Work Zone is no longer necessary, all signs shall be removed immediately.

2. Reducing the Speed Limit in a Highway Work Zone

Highway Work Zone signs shall be posted as required in Condition 1 above and in accordance with Detail 150-C.

A "Reduced Speed Ahead" sign shall be posted 600 feet prior to the reduced speed limit.

Then a "Speed Limit" signage (R2-1) for the reduced speed limit shall be erected at the beginning of the Work Zone. Additional signs shall be placed at whichever is least:

a. on non-interstate roads after every junction with a numbered (state or U.S.) route.

b. on interstates entrance ramp 1,500 feet from the end of the entrance taper. Detail 150-D

c. on non-interstate and interstate, a maximum spacing of no greater than one (1) mile apart.

On interstates and multi-lane divided highways, the speed limit signs shall be double indicated when the reduced speed is in use.

Additional signs may be necessary to adjust for actual field conditions.

For limited access (interstate) highways and controlled access multi-lane divided highways, the posted speed limit shall be reduced as required below.

When any one or more of the following conditions exist and the existing speed limit is sixty-five (65) mph or seventy (70) mph, the speed limit shall be reduced by ten (10) mph. If the existing speed limit is sixty (60) mph, the speed limit should be reduced by five (5) mph. If the existing speed limit is fifty-five (≤ 55) mph or less, the Contractor can only reduce the speed limit with the prior approval of the Engineer. The reduction in the speed limit shall be no greater than ten (10) mph:

a) Lane closure(s) of any type and any duration.
b) The difference in elevation exceeds two inches (> 2") adjacent to a travel lane as shown in Subsection 150.3.11, Detail 150-E, Detail 150-F.
c) Any areas where equipment or workers are within ten feet (10') of a travel lane.
d) Temporary portable concrete barriers located less than two feet (2') from the traveled way.
e) As directed by the Engineer for conditions distinctive to this project.

When the above conditions are not present, the speed limit shall be immediately returned to the existing posted speed limit. A speed reduction shall not be put in place for the entire length of the project unless conditions warranting the speed reduction are present for the entire project length. All existing speed limit signs within the temporary speed reduction zone shall be covered or removed while the temporary reduction in the speed limit is in effect. All signs shall be erected to comply with the minimum requirements of the MUTCD.

At a minimum, the following records shall be kept by the WTCS:

a) Identify the need for the reduction.
b) Record the time of the installation and removal of the temporary reduction.
c) Fully describe the location and limits of the reduced speed zone.
d) Document any accident that occurs during the time of the reduction.

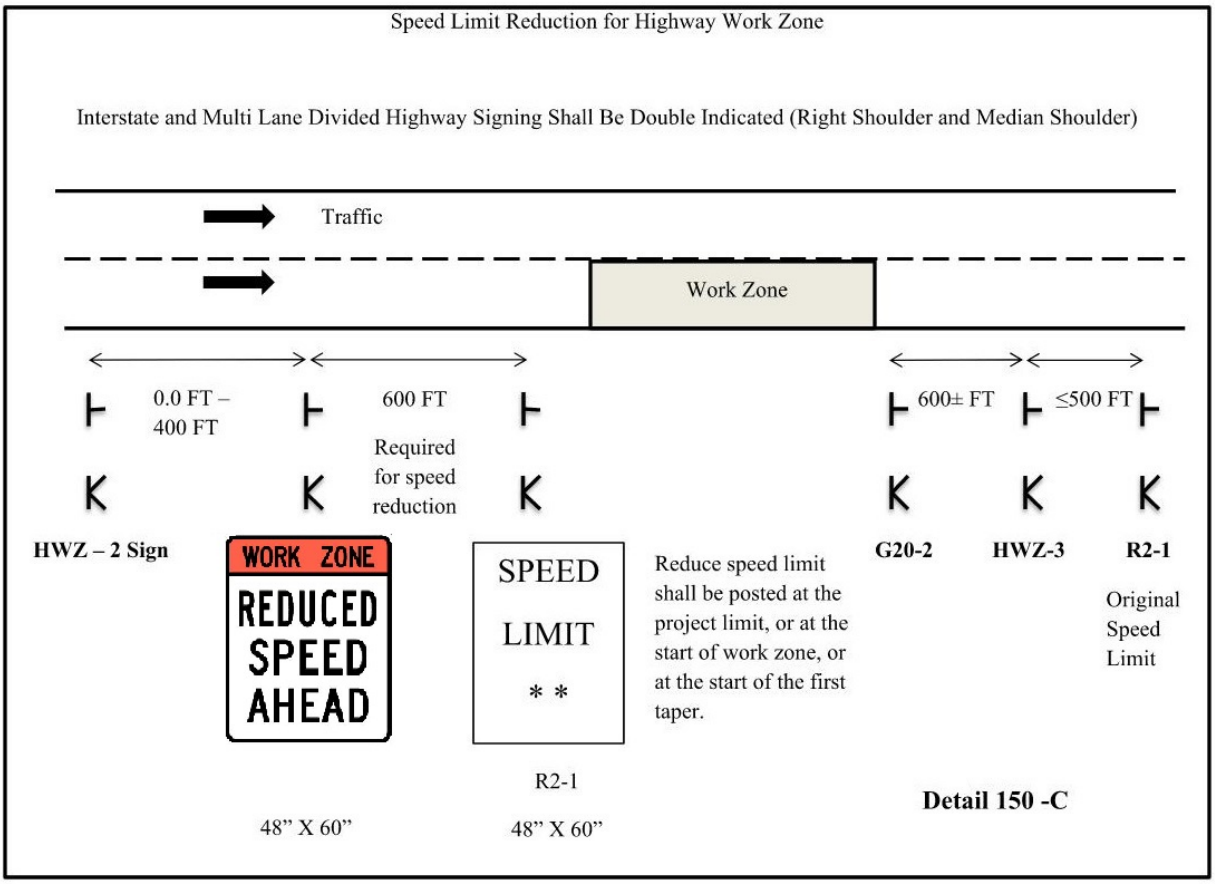
A copy of the weekly records for reduced speed zones shall be submitted to the Engineer.

When a pilot vehicle is used on a two-lane two-way roadway, the speed limit should not be reduced. For special conditions specific to the Work, on two-lane two-way roadways or multi-lane highways, the Contractor may reduce the posted speed limit with the prior approval of the Engineer.

3. Variable Speed Limit Zones

Projects that are within or extends into variable speed limit zones shall be posted according to condition 1 with HWZ-1, HWZ-2, and HWZ-3 signs. No additional "speed limit" signs, (R2-1), shall be posted. Any reduction or increase in speed limits will be controlled by the normal operation of the variable speed limit system.

Upon request, a maximum speed limit of fifty-five (55) mph may be set for the project limits.



HWZ-2;

3" Radius, 1" Border, 1" Indent, Black on Fluorescent orange;
"WORK ZONE", C 2K specified length;

3" Radius, 1" Border, 1" Indent, Black on White;
"SPEEDING", C 2K specified length; "FINES", C 2K specified length;
"INCREASED", C 2K specified length;

3" Radius, 1" Border, 1" Indent, Black on White;
"MINIMUM", D 2K specified length; "FINE $100", D 2K specified length;

HWZ-2

1. All HWZ-2 sign panels shall be rigid.
2. The size of the HWZ-2 sign shall not be reduced for use on two-lane roadways.

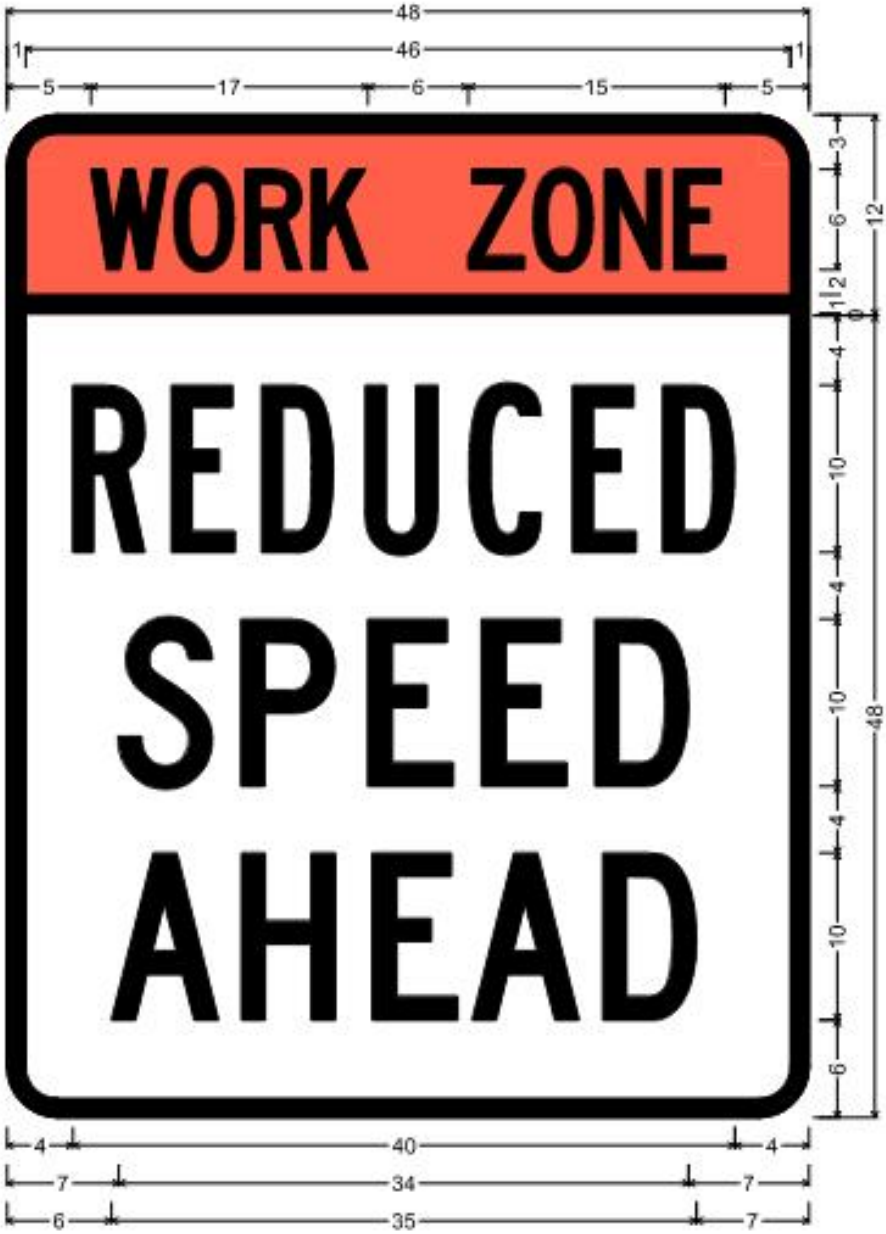
HWZ-3;

3" Radius, 1" Border, 1" Indent, Black on Fluorescent orange;
"WORK ZONE", C 2K specified length;

3" Radius, 1" Border, 1" Indent, Black on White;
"END", C 2K specified length; "INCREASED", C 2K specified length;
"SPEEDING", C 2K specified length; "FINES", C 2K specified length;

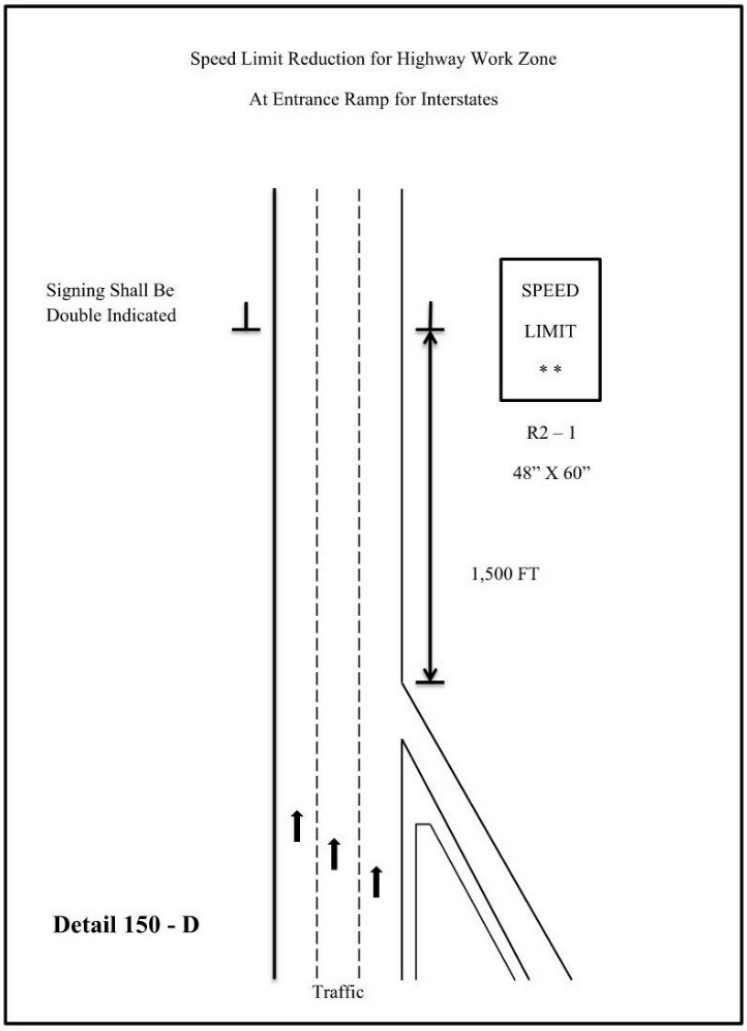
HWZ-3

1. All HWZ-3 sign panels shall be rigid.
2. The size of the HWZ-3 sign shall not be reduced for use on two-lane roadways.



3" Radius, 1" Border, Black on Fluorescent orange;
"WORK", C 2K 60% spacing; "ZONE", C 2K 60% spacing;

3" Radius, 1" Border, Black on White;
"REDUCED", B 2K; "SPEED", C 2K; "AHEAD", C 2K;



C. Installation/Removal of Work Area Signage

No payment will be made for Traffic Control-Lump Sum until the Work has actually started on the Project. The installation of traffic control signage does not qualify as the start of work. Advanced warning signs shall not be installed until the actual beginning of work activities. Any permanent mount height signs installed as the work is preparing to start shall be covered until all signs are installed unless all signs are installed within seven (≤ 7) calendar days after beginning installation.

All temporary traffic control devices shall be removed as soon as practical when these devices are no longer needed. When work is suspended for short periods of time, temporary traffic control devices that are no longer appropriate, shall be removed or covered.

All construction warning signs shall be removed within seven (≤ 7) calendar days after time charges are stopped or pay items are complete. If traffic control devices are left in place for more than ten (> 10) calendar days after completion of the Work, the Department shall have the right to remove such devices, claim possession thereof, and deduct the cost of such removal from any monies due, or which may become due, the Contractor.

CORRECTIVE LIST WORK: Portable signs shall be utilized to accomplish the completion of all corrective list items, if the corrective list is the only work being performed. The portable signs shall be removed daily. All permanent mount height signs shall be removed prior to the beginning of the corrective list only work, except "Low/Soft Shoulder" signs and any signs that have the prior written approval of the Engineer to remain in place while the corrective list work is in progress.

Failure to promptly remove the construction warning signs within the seven (7) calendar days after the completion of the Work or failure to remove or cover signs when work is suspended for short periods of time shall be considered as non-performance under Subsection 150.7.01.

150.3.05 Shoulder/Lane Closures

A. Approval/Restrictions

All shoulder closures and lane closures of any type or duration shall have the prior approval of the Engineer.

1. Closure Length

The length of a shoulder closure and a lane closure shall not exceed two (2) miles in length excluding the length of the tapers unless the prior approval of the Engineer has been obtained. The Engineer may extend the length of the closure based upon field conditions; however, the length of a work zone should be held to the minimum length required to accomplish the Work. Shoulder closure and Lane Closures shall not be spaced closer than one mile. The advanced warning signs for the Project should not overlap with the advanced warning signs for lane shifts, lane closures, etc.

2. Duration

The first (7) calendar days in an Urban area and the first three (3) calendar days in a Rural area of any lane closure shall be signed and marked as per Georgia Standard 9106 "Traffic Control Detail for Lane Closure on Multi-Lane Divided Highway" or Georgia Standard 9107 "Traffic Control Detail for Lane Closure on Multi-Lane Undivided Highway". However, lane closures that exist for a duration longer than three (> 3) calendar days may be signed and marked as per the details in Georgia Standard 9121 "Tapers, Signs, and Markings for Passing Lanes", provided the prior approval of the Engineer is obtained. The approved lane drop shall utilize a PCMS and only the signs and markings shown for the termination end of the lane drop in Georgia Standard 9121. All warning signs in the lane drop sequence shall be used. Drums may be substituted for the Type I Crystal Delineators at the same spacing.

B. Shoulder Closures

In accordance with MUTCD (6N.06), when paved shoulders, having a width of eight feet (≥ 8') or more are closed, at least one (1) advance warning sign shall be used. The sign(s) should read SHOULDER CLOSED (W21-5a). The signs are only posted on the side with the shoulder closure. Where the downstream end of the shoulder closure extends beyond the distance that can be perceived by road users, a supplementary plaque bearing the message NEXT XX FEET(W16-4P) or MILES (W7-3aP) should be placed below the SHOULDER CLOSED (W21-5a) sign. These signs shall be placed 500 feet prior to the shoulder closure. For multi-shoulder closures, the Shoulder Closed sign shall be repeated after two (2) miles at 500 feet prior to the next shoulder closure.

A shoulder closure will require a shoulder taper of (1/3) L (L=merging taper length). Traffic drums shall be used for the taper. Arrow boards are not required.

If positive barriers are used to close the shoulder, the taper and drums shall be in accordance with Standard 4960, Temporary Barrier (End Treatment Options). The approach end of the barrier taper should be 10:1 or flatter slope.

C. Lane Closure

1. Advance Warning Signs

The Advance Warning signs shall be in accordance with MUTCD and Georgia Standard 9106 "Traffic Control Detail for Lane Closure on Multi-Lane Divided Highway" and Georgia Standard 9107 "Traffic Control Detail for Lane Closure on Multi-Lane Undivided Highway".

When the Temporary Traffic Control zone already has advanced warning (W20-1) signs installed the W20-1 signs required for lane closures under Standard 9106 and 9107 should be eliminated.

For Interstate, Limited Access and Multi-lane Divided Highways, an additional PCMS shall be placed one (1) mile in advance of a lane closure with a message denoting the appropriate lane closure one (1) mile ahead. No other message shall be displayed on this PCMS. The PCMS shall be placed on the outside shoulder in accordance with Detail 150-B [PCMS]. This is in addition to the other traffic control devices required by Standard 9106.

At the discretion of the Engineer, the Contractor may start placing advance warning signs a half-hour (1/2 hr.) prior to the lane closure.

2. Transition Area – Taper

Drums shall be used on all transition tapers. If traffic drums with retroreflectivity of less than type VI are used for a merge taper that exists into the night, all drums located in the taper shall have, for the length of the taper only, a six inch (6") fluorescent orange (ASTM Type VI, VII, VIII, IX or X) reflectorized top stripe on each drum. The top six inch (6") stripe may be temporarily attached to the drum while in use in a taper. The Engineer may allow the fluorescent orange reflectorized six inch (6") top stripe on each drum in a merging taper to remain in place during daylight hours provided there is a lane closure(s) with a continuous operation that begins during one nighttime period and ends during another nighttime period. All drums that have the six inch (6") top stripe permanently attached shall not be used for any other conditions.

In accordance with MUTCD (6B.08), the minimum length for a merging taper for a lane closure on the travel way shall be as shown in Table 150-1:

TABLE 150-1

Posted Speed Limit, MPH	Lane Width 9 Feet	Lane Width 10 Feet	Lane Width 11 Feet	Lane Width 12 Feet	Maximum Drum Spacing in Tapers, (Feet)
	Minimum Taper Length (L) in Feet				
20	60	70	75	80	20
25	95	105	115	125	25
30	135	150	165	180	30
35	185	205	225	245	35
40	240	270	295	320	40
45	405	450	495	540	45
50	450	500	550	600	50
55	495	550	605	660	55
60	540	600	660	720	60
65	585	650	715	780	65
70	630	700	770	840	70
75	675	750	825	900	75

If site conditions require a longer taper, then the taper shall be lengthened to fit particular individual situations.

The length of shifting tapers should be at least one-half (1/2) L.

Multiple Lane Closures:

a. A maximum of one (1) lane at a time shall be closed with each merging taper.

b. A minimum tangent length of two (≥ 2) L shall be installed between each individual lane closure taper. The tangent length is part of the transition area. Therefore, only traffic drums can be used in the tangent.

3. Activity Area

The activity area consists of a buffer and the work space. Georgia Standard 9106 "Traffic Control Detail for Lane Closure on Multi-Lane Divided Highway" states "Buffer zones of 300' minimum, 500' desirable are required for tangent sections and shall be increased for horizontal or vertical curves due to sight distance considerations"

Georgia Standard 9107 "Traffic Control Detail for Lane Closure on Multi-Lane Undivided Highway" requires a fifty feet (50') buffer. The buffer shall be increased for horizontal or vertical curves due to sight distance considerations"

The channelization devices are spaced at a maximum of eighty feet (80').

4. Termination Area

Georgia Standard 9106 "Traffic Control Detail for Lane Closure on Multi-Lane Divided Highway" requires a 150 feet buffer and a minimum 200 feet downstream taper.

Georgia Standard 9107 "Traffic Control Detail for Lane Closure on Multi-Lane Undivided Highway" requires 150 feet downstream taper.

D. Removal of Lane Closures

To provide the greatest possible convenience to the public in accordance with Section 107, the Contractor shall remove all signs, lane closure markings, and devices immediately when lane closure work is completed or temporarily suspended for any length of time or as directed by the Engineer. All portable signs and portable sign mounting devices shall be removed from the roadway to an area which will not allow the sign to be visible and will not allow the sign or sign mounting device to be impacted by traffic. All devices shall be stored beyond the clear zone or behind positive protection.

E. Exit and Entrance Ramps

On multi-lane highways, where traffic has been shifted to the inside lanes, the exit and entrance ramps shall have drums placed on both sides of the ramp. This requirement will apply to any situation where traffic is shifted to contra flows or inside staging lanes to facilitate reconstruction work in the vicinity of exit and entrance ramps. The temporary ramp taper length should be greater than, or equal to, the existing taper length. Interim EXIT gore signs shall be placed at the ramp divergence. The "EXIT OPEN" sign shown in Figure TA-42 of the MUTCD shall be utilized. For exit ramps, drums spacing shall be decreased to ten feet (10') for 200 feet in advance of the temporary gore and be decreased to ten feet (10') for the first 100 feet of the temporary gore, and throughout the exit ramp. For on-ramps, drums should be used 200 feet prior to the ramp and end 100 feet past the merge taper. The drum spacing for the on ramp may be decreased but should not obstruct the view of the drivers i.e. for the ramp vehicles.

150.3.06 Traffic Pacing Method

A. Pacing of Traffic

With prior approval from the Engineer, traffic may be paced allowing the Contractor up to twenty (20) minutes maximum to work in or above all lanes of traffic for the following purposes:

1. Placing bridge members or other bridge work.

2. Placing overhead sign structures.

3. Other work items requiring interruption of traffic.

The Contractor shall provide a uniformed law enforcement officer with patrol vehicle and blue flashing light for each direction of pacing. The law enforcement officer, Engineer, and flaggers at ramps shall be provided with a radio which will provide continuous contact with the Contractor.

When ready to start the work activity, the law enforcement vehicle will act as a pilot vehicle slowing the traffic, thereby providing a gap in traffic allowing the Contractor to perform the Work. Any on-ramps between the pace and the work area shall be blocked during pacing of traffic, with a flagger properly dressed and equipped with a Stop/Slow paddle. Each ramp should be opened after the law enforcement vehicle has passed.

Pilot vehicles shall travel at a safe pace speed. The Contractor shall provide a vehicle to proceed in front of the law enforcement vehicle and behind the other traffic in order to inform the Contractor's work force when all vehicles have cleared the area.

Traffic should not be permitted to stop during pacing unless approved by the Engineer.

B. Methods of Signing for Traffic Pacing

At a point not less than 1,000 feet in advance of the beginning point of the pace, the Contractor shall place a PCMS sign with the message "TRAFFIC SLOWED AHEAD EXPECT SHORT DELAY".

150.3.07 Flagging Operations

A. Flaggers

Flaggers shall be provided as required to handle traffic, as specified in the Plans or Special Provisions, and as required by the Engineer.

B. Flagger Certification

All flaggers shall meet the requirements of the MUTCD and shall have received training and a certificate upon completion of the training from one of the following organizations:

National Safety Council
American Traffic Safety Services Association (ATSSA)

On-line classes are not accepted.

Failure to provide certified flaggers as required above shall be reason for the Engineer suspending work involving the flagger(s) until the Contractor provides the certified flagger(s). Flaggers shall have proof of certification and valid identification (photo I.D.) available any time they are performing flagger duties.

C. Flagger Appearance and Equipment

Flaggers shall wear Performance Class 2 or better for daytime activities. Flaggers shall wear Performance Class 3 or better high-visibility clothing for nighttime activities. Flagger stations shall be illuminated at night according to MUTCD (6M.08). They shall use a Stop/Slow paddle meeting the requirements of the MUTCD (6D.02) for controlling traffic. The Stop/Slow paddles shall have a shaft length of seven feet (≥ 7') minimum. The Stop/Slow paddle shall be retroreflectorized for both day and night usage. In addition to the Stop/Slow paddle, a flagger may use a flag as an additional device to attract attention. This flag shall meet the minimum requirements of the MUTCD (6D.02). The flag shall, as a minimum, be twenty-four inches (≥ 24") square and red or red/orange in color.

D. Flagger Warning Signs

Signs for flagger traffic control shall be placed in advance of the flagging operation, in accordance with the MUTCD and Georgia Standard 9102 "Traffic Control Detail for Lane Closure on Two-Lane Highway". In addition, signs at regular intervals, warning of the presence of the flagger shall be placed beyond the point where traffic can reasonably be expected to stop under the most severe conditions for that day's work.

E. Pilot Vehicle Requirements

Pilot vehicles should be required during placement of bituminous surface treatment or asphaltic concrete on two-lane roadways unless otherwise specified. Pilot vehicles shall meet the requirements of the MUTCD (6E.04).

F. Automated Flagger Assistance Devices

The Contractor may request, in writing, the use of Automated Flagger Assistance Devices (AFAD). The equipment shall meet the requirements of MUTCD (6L.02). As a part of this request, the Contractor shall also submit an alternate temporary traffic TTC plan in the event of a failure of the AFAD. Any alternate plan that requires the use of flaggers shall include the use of certified flaggers. The Contractor shall obtain the approval of the Engineer before the use of any AFAD will be permitted.

G. Portable Temporary Traffic Control Signals

The Contractor may request, in writing, the substitution of portable temporary traffic control signals for flaggers on two-lane two-way roadways provided the temporary signals meets the requirements of the MUTCD, Section 647, and subsection 150.2.11. As a part of this request, the Contractor shall also submit an alternate TTC plan in the event of a failure of the signals. Any alternate plan that requires the use of flaggers shall include the use of certified flaggers. The Contractor shall obtain the approval of the Engineer before the use of any portable temporary traffic control signals will be permitted.

150.3.08 Traffic Signals

A. Responsibility/Cost

If the sequence of operations, staging, or the TTC plan requires the relocation or shifting of any components of an existing traffic signal system then any work on these traffic signals will be considered as part of Traffic Control – Lump Sum.

B. Law Enforcement Officer Requirement

In accordance with Georgia law § 40-6-20, law enforcement officers shall be used to regulate and maintain traffic control at functioning signalized intersections when lane closures or traffic shifts block or restrict movements causing interference with road user flows and will not allow the activated traffic signal to guide the traffic through the signal site.

150.3.09 Mobile Operations

A mobile operation is defined by a minimum speed of three (3) mph. When pavement markings (centerlines, lane lines, and edge lines) are applied in a continuous operation by moving vehicles and equipment, the following minimum equipment and warning devices shall be required. These devices and equipment are in addition to the minimum requirements of the MUTCD.

All vehicles shall be equipped with the official slow moving vehicle symbol sign. All vehicles shall have a minimum of two (2) flashing or rotating beacons visible in all directions. All protection vehicles shall have an arrow panel mounted on the rear. All vehicles requiring an arrow panel shall have, as a minimum, a Type B panel. All vehicle mounted signs shall be mounted with the bottom of the sign a minimum height of forty-eight inches (48”) above the pavement. All sign legends shall be covered or removed from view when work is not in progress.

The lead vehicle may be a separate vehicle or the work vehicle applying the pavement markings may be used as the lead vehicle. The lead vehicle shall have an arrow panel mounted so that the panel is easily visible to oncoming (approaching) traffic. The arrow panel should operate in the caution mode.

The work vehicle(s) applying markings shall have an arrow panel mounted on the rear. The arrow panel should typically operate in the caution mode. The work vehicle placing cones shall follow directly behind the work vehicle applying the markings.

A protection vehicle shall follow the last work vehicle at all times and shall be equipped with a truck or trailer mounted attenuator that shall be certified for impacts not less than sixty-two (62) mph in accordance with MASH/NCHRP350 Test Level Three (3).

150.3.10 Pavement Markings

A. General

Full pattern pavement markings in conformance with Chapter 3A and 3B, except 3B.0 3, of the MUTCD are required on all courses before the roadway is opened to traffic, unless noted in this section. No passing zones shall be marked to conform to Subsection 150.3.10.D.1.b.. During construction and maintenance activities on all highways open to traffic, both existing markings and markings applied under this Section shall be fully maintained until Final Acceptance. If the pavement markings are, or become, unsatisfactory in the judgment of the Engineer due to wear, weathering, or construction activities, they shall be restored immediately.

Markings on the final surface course, which must be removed, shall be a removable type. The Contractor will be permitted to use paint, thermoplastic, or tape on pavement which is to be overlaid as part of the Project, unless otherwise directed by the Engineer. Partial (skip) reflectorization (i.e. reflectorizing only a portion of a stripe) will not be allowed.

1. Resurfacing Projects

   Pavement markings shall be provided on all surfaces that are placed over existing markings. Interim and final markings shall conform in type and location to the markings that existed prior to resurfacing unless changes or additions are noted in the Contract. The replacement of parking spaces will not be required unless a specific item or note has been included in the Contract. Any work to make additions to the markings that existed prior to resurfacing is to be considered as extra work.

2. Widening and Reconstruction Projects

   If the lane configuration is altered from the preconstruction layout then pavement markings will be as required by the Plans or the Engineer.

3. New Location Construction Projects

   Pavement marking plans will be provided.

B. Installation and Removal of Pavement Markings

1. Installation

   All pavement markings, both interim and permanent, shall be applied to a clean surface. The Contractor shall furnish the layout and preline the roadway surface for the placement of pavement markings applied as part of the TTC plan. All interim marking tape and RPM's on the final surface shall be removed prior to the placement of the final markings.

   The Contractor shall sequence the Work in such a manner as to allow the installation of markings in the final lane configuration at the earliest possible stage of the Work.

2. Removal

   Markings no longer applicable shall be removed in accordance with Section 656.
   The elimination of conflicting pavement markings by overpainting with unapproved paint or any type of liquid asphalt is not acceptable.

3. Intermediate Surface

   Interim markings shall be removed by methods that will cause minimal damage to the pavement surface, while also ensuring that traveling public will not be confused or misdirected by any residual markings remaining on the intermediate surface. The use of approved black-out tape and black-out paint (manufactured for the sole purpose of covering existing pavement markings) may be permitted on some interim surfaces, provided the results are satisfactory to the Engineer.

4. Final Surface

   No interim paint or thermoplastic markings will be permitted on any final surface unless the interim markings are in alignment with the location of the permanent markings and the interim marking will not interfere or

adversely affect placement of the permanent markings. The proposed method of removal for layout errors that require markings to be removed from the final surface shall have the prior approval of the Engineer. Any damage to the final pavement surface caused by the pavement marking removal process shall be repaired at the Contractor's expense by methods acceptable and approved by the Engineer. Section 400 shall apply when corrective measures are required. The use of black-out tape or black-out paint will not be permitted under any circumstance to correct layout errors on any final surface.

Traffic shifts that are done on the final surface shall be accomplished using interim traffic marking tape that can be removed without any blemishing of the final surface. Interim traffic marking tape shall be used on any of the following final surfaces: asphaltic concrete, Portland cement concrete, and bridge deck surfaces. The Contractor may propose alternate traffic markings and removal methods on the final surface. Submitted proposals shall include the type of material, method of removal and a cost comparison to the traffic marking tape method. Prior to any approval, the Contractor shall field demonstrate to the satisfaction of the Engineer that the proposed traffic markings can be removed without any blemishing of the final surface. If the proposal is determined to be acceptable, a supplemental agreement will be executed prior to the installation of the proposed alternate traffic markings. The supplemental agreement shall denote the type of traffic marking materials, method of removal and any cost and/or time savings to the Department. The Department will not consider or participate in any cost increase that may result from implementing the proposed alternate method.

5. Pay Factor Reduction for Asphaltic Concrete Final Surfaces

When the correction of an error in the layout of the final pavement markings requires the final surface to be grounded, blemished, scarred, or polished the pay factor shall be reduced to 0.95 for the entire surface area of the final topping that has a blemish, polished or a scarred surface. The reduced pay factor shall not be confined to only the width and length of the stripe or the dimensions of the blemished areas, the whole roadway surface shall have the reduced pay factor applied. The area of the reduced pay factor shall be determined by the total length and the total width of the roadway affected. If the affected area is not corrected, the reduction in pay shall be deducted from the final payment for the topping layer of asphaltic concrete. The Engineer shall make the final determination whether correction or a reduced pay factor is acceptable.

The eradication of pavement markings on intermediate and final concrete surfaces shall be accomplished by a method that does not grind, polish, or blemish the surface of the concrete. The method used for the removal of the interim markings shall not spall chip the joints in the concrete and shall not damage the sealant in the joints. Any joint or sealant repairs shall be included in the bid price for Traffic Control-Lump Sum. The proposed method of removal shall have the prior approval of the Engineer.

Failure to promptly remove conflicting or non-applicable pavement markings shall be considered as non-performance under Subsection 150.7.01.

6. Preparation and Planning for Traffic Shifts

When shifting of traffic necessitates removal of centerline, lane lines, or edge lines, all such lines shall be removed prior to, during, or immediately after any change to present the least interference with traffic. Interim traffic marking tape shall be used as a temporary substitute for the traffic markings being removed.

Before any change in traffic lane(s) alignment, marking removal equipment shall be present on the project for immediate use. If marking removal equipment failures occur, the equipment shall be repaired or replaced (including leasing equipment if necessary), so that the removal can be accomplished without delay.

Except for the final surface, markings on asphaltic concrete may be obliterated by an overlay course, when approved by the Engineer. When an asphaltic concrete overlay is placed for the sole purpose of eliminating conflicting markings and the in place asphaltic concrete section will allow, said overlay will be eligible for payment only if designated in the Plans. Overlays to obliterate lines will be paid for only once and further traffic shifts in the same area shall be accomplished with removable markings. Only the minimum asphaltic concrete thickness required to cover lines will be allowed. Excessive build-up will not be permitted. When an overlay for the sole purpose of eliminating conflicting markings is not allowed, the markings no longer applicable shall be removed in accordance with Section 656.

C. Raised Pavement Markers

Retroreflective raised pavement markers (RPMs) shall be placed as listed below for all asphaltic concrete pavements before the roadway is open to traffic, unless noted this section. On the final surface, RPMs shall be placed according to the timeframes specified in Subsection 150.3.10.D for full pattern pavement markings. When Portland Cement Concrete is an intermediate or final surface and is open to traffic, one (1) calendar day is allowed for cleaning and drying before the installation of RPMs is required.

Raised pavement markers are not allowed on the right edge lines under any situation.

Retroreflective raised pavement markers (RPMs) shall be placed and/or maintained on intermediate pavements surfaces on all highways that the final ride surface is not completed within 45 calendar days which is open to traffic. This includes all resurfacing projects along with widening and reconstruction projects. The RPMs shall be placed as follows:

1. Supplementing Lane Lines:
    a. Eighty foot (80') center on skip lines with curvature less than three degrees. (Includes tangents)
    b. Forty foot (40') centers on solid lines and all lines with curvature between three degrees and six degrees.
    c. Twenty foot (20') centers on curves over six degrees.
    d. Twenty foot (20') centers on lane transitions or shifts.
2. Supplementing Ramp Gore Lines:
    a. Twenty foot (20') centers, two each, placed side by side.
3. Other Lines:
    a. As shown on the Plans or directed by the Engineer.

D. Exceptions for Interim Markings

Some exceptions to the time of placement and pattern of markings are permitted as noted below; however, full pattern pavement markings are required for the completed project.

1. Two-Lane, Two-Way Roadways
    a. Skip Lines

        If used, interim temporary tape or paint skip (broken) stripe may only be used for a maximum of three (3) calendar days. The stripes shall be at least two feet (> 2') long with a maximum gap of thirty-eight feet (≤ 38'). On curves greater than six degrees (>6º), a one foot (1') stripe with a maximum gap of nineteen feet (≤ 19') shall be used. In lane shift areas, solid lines will be required.

        Interim raised pavement markers may be substituted for the interim skip (broken) stripes. If raised pavement markers are substituted for the two foot (2') interim skip stripe, three (3) markers spaced at equal intervals over a two feet (2') distance will be required. No separate payment will be made if the interim raised pavement markers are substituted for interim skip lines.

        Interim raised pavement markers shall be retro-reflective, shall be the same color as the pavement markers for which they are substituted, and shall be visible during daytime.

        The type of interim marker and method of attachment to the pavement shall be approved by the Office of Materials and Testing but in no case will the markers be attached by the use of nails. Flexible reflective markers, Type 14 or Type 15, may be used for a maximum of three (3) calendar days as an interim marker. Any flexible reflective markers in use shall be from the QPL-76.

The interim raised pavement markers shall be maintained until the full pattern pavement markings are applied. At the time full pattern markings are applied the interim raised markers shall be removed in a manner that will not interfere with application of the full pattern pavement markings.

b. No Passing Zones Two-Lane, Two-Way Roadways

Passing zones shall be re-established in the locations existing prior to resurfacing unless otherwise noted in the Contract. No changes to the location of passing zones shall be done without the written approval of the Engineer. For periods not to exceed three (3) calendar days where interim skip centerlines are in place, no-passing zones shall be identified by using post or portable mounted DO NOT PASS regulatory signs (R4-1) twenty-four inches by thirty inches (24" x 30") at the beginning and at intervals not to exceed one-half (≤½) mile within each no-passing zone. A post or portable mounted PASS WITH CARE regulatory sign (R4-2) twenty-four inches by thirty inches (24" x 30") shall be placed at the end of each no-passing zone. Post mounted signs shall be placed in accordance with the MUTCD. Portable signs shall be secured in such a manner to prevent misalignment and minimize the possibility of being blown over by weather conditions or traffic.

On new location projects and on projects where either horizontal or vertical alignments has been modified; the location of No-Passing Zones will be identified by the Engineer.

c. Edge lines

- Bituminous Surface Treatment Paving
  Edge lines will not be required on intermediate surfaces (including asphaltic concrete leveling for bituminous surface treatment paving) that are in use for a period of less than sixty (<60) calendar days except at bridge approaches, on lane transitions, lane shifts, and in such other areas as determined by the Engineer. On the final surface, edge lines shall be placed within thirty (≤30) calendar days of the time that the final surface was placed.

- All Other Types of Pavement
  Edge lines will not be required on intermediate surfaces that are in use for a period of less than thirty (<30) calendar days except at bridge approaches, on lane transitions, lane shifts, and in such other areas as determined by the Engineer. On the final surface, edge lines shall be placed within fourteen (≤ 14) calendar days of the time that the surface was placed.

2. Multi-Lane Highways – With No Paved Shoulder(s) or Paved Shoulder(s) Four Feet or Less (≤ 4')

a. Undivided Highways (Includes Paved Center Turn Lane)

- Centerlines and No-Passing Barrier-Full Pattern centerlines and no-passing barriers shall be restored before opening to traffic.

- Lane lines- Interim skip (broken) stripe as described in Subsection 150.3.10.D.1.a. may be used for periods not to exceed three (≤ 3) calendar days. Skip lines are not permitted in lane shift areas. Solid lines shall be used.

- Edge lines- Edge lines shall be placed on intermediate and final surfaces within three (3) calendar days of obliteration.

b. Divided Highways (Grass or Raised Median)

- Lane lines- Full pattern skip stripe shall be restored before opening to traffic. Skip lines are not permitted in lane shift areas. Solid lines shall be required.

- Centerline/Edge line- Solid lines shall be placed on intermediate and final surfaces within three calendar days of obliteration.

3. Limited Access Roadways and Roadways with Paved Shoulders Greater Than Four Feet (> 4')

   a. Same as Subsection 150.3.10.D.2 except as noted in (b) below.

   b. Edge lines-

      - Asphaltic Concrete Pavement- Edge lines shall be placed on intermediate and final surfaces prior to opening to traffic.

      - Portland Cement Concrete Pavement- Edge lines shall be placed on any surface open to traffic no later than one calendar day after work is completed on a section of roadway. All water and residue shall be removed prior to daily striping.

4. Ramps for Multi-Lane Divided Highways

   A minimum of one solid line edge stripe shall be placed on any intermediate surface of a ramp prior to opening the ramp to traffic. The other edge stripe may be omitted for a maximum period of three (3) calendar days on an intermediate surface. Appropriate channelization devices shall be spaced at a maximum of twenty-five feet (25') intervals until the other stripe has been installed.

   The final surface shall have both stripes placed prior to opening the ramp to traffic.

5. Miscellaneous Pavement Markings

   a. Final Surface

      School zones, railroads, symbols, words, arrows, and other similar markings shall be placed on final surfaces conforming to Section 652 within fourteen (14) calendar days of completion of the final surface. Final markings shall conform to the type of pay item in the Plans. When no pay item exists in the Plans the final markings shall conform to Section 652 for painted markings.

   b. Intermediate Surface

      Intermediate surfaces that will be in use for more than forty-five (45) calendar days shall have the miscellaneous pavement markings installed to conform to the requirement of Section 652. Under Subsection 150.6, Special Conditions, or as directed by the Engineer these markings may be eliminated.

   c. Stop Line

      All stop signs and traffic signals shall have temporary twelve inch (12") stop lines placed in accordance with MUTCD (3B. 19) on all surfaces prior to opening to traffic. Temporary tape may be used.

150.3.11 Differences in Elevations Between Travel Lanes and Shoulders

All time frames and requirements may be changed with the Engineer's approval.

A. Differences in Elevations

Difference in elevations due to construction between travel lanes and/or shoulders within the clear zone should be limited to the following:

1. Difference of two inches (≤ 2") or less between adjacent travel lanes should remain for a maximum period of fourteen (14) calendar days.

2. Difference of two inches (≤ 2") or less between adjacent travel lane and paved shoulder should remain for a maximum of thirty (30) calendar days. Traffic control devices shall be in accordance with Detail 150-G.

3. Difference of greater than two inches (> 2") is permitted for continuous operations. Traffic control devices shall be in accordance with Detail 150-E.

4. Difference of greater than two inches (> 2") between travel lanes and/or shoulders for non-continuous operations will not be allowed for more than a twenty-four (24) hour period. For the first twenty-four (24) hours, traffic control shall be in accordance with Detail 150-E. After twenty-four (24) hours the section should be healed according to Detail 150 – H. This condition can exist for a maximum sixty (60) calendar days.

   a. A single length of area that does not exceed 1000 feet total length may be left open as a startup area for periods not to exceed forty-eight (48) hours provided the Contractor can demonstrate the ability to complete the Work in a proficient manner. Prior approval of the Engineer shall be obtained before any startup area may be allowed.

   b. For cement stabilized base, work adjacent to the travel lane and/or shoulders shall be healed as per Detail 150-H within forty-eight (48) hours after the seven (7) calendar day curing period is complete for each section placed. During the placement and curing period, traffic control shall be in accordance Detail 150 E.

Failure to meet these requirements shall be considered as non-performance of Work under Subsection 150.7.01.

B. Healed Section

Healed section and traffic control devices should be placed in accordance with Detail 150-H. If crushed stone materials are used to provide a healed section no separate payment will be made for the material used to heal any section. The Contractor may submit a plan to utilize existing pay items for crushed stone provided the plan clearly demonstrates that the materials used to heal an area will be incorporated into the Work with minimal waste. Handling and hauling of any crushed stone used to heal shall be kept to a minimum. The Engineer shall determine if the crushed stone used to heal meets the Specifications for gradation and quality when the material is placed in the final location.

C. Emergency Situations

Inclement weather, traffic accidents, and other events beyond the control of the Contractor may prevent the Work from being completed as required above. The Contractor shall notify the Engineer in writing stating the conditions and reasons that have prevented the Contractor from complying with the time limitations. The Contractor shall also outline a plan detailing immediate steps to complete the Work. Failure to correct these conditions on the first calendar day that conditions will allow corrective work shall be considered as non-performance of Work under Subsection 150.7.01.

D. Plating

Plating for drainage structures, utility facilities, etc. is prohibited on the interstates. Plating on State Routes and secondary roads will require the prior approval of the project Engineer. Steel plates shall not be used on highways with a posted speed greater than forty-five (45) mph. The plate shall completely cover the pavement cut or excavation. The plate shall be adequately secured and shall provide a safe and reasonable transition to the adjoining roadway surface. An asphalt wedge can be used to provide a smooth transition over the plate(s). Temporary traffic control warning signs W8-24 shall be posted in advance warning motorist about plates in roadway in accordance with the MUTCD. Plating should not remain in place for more than four (4) calendar days.

E. Asphaltic Concrete Resurfacing Projects

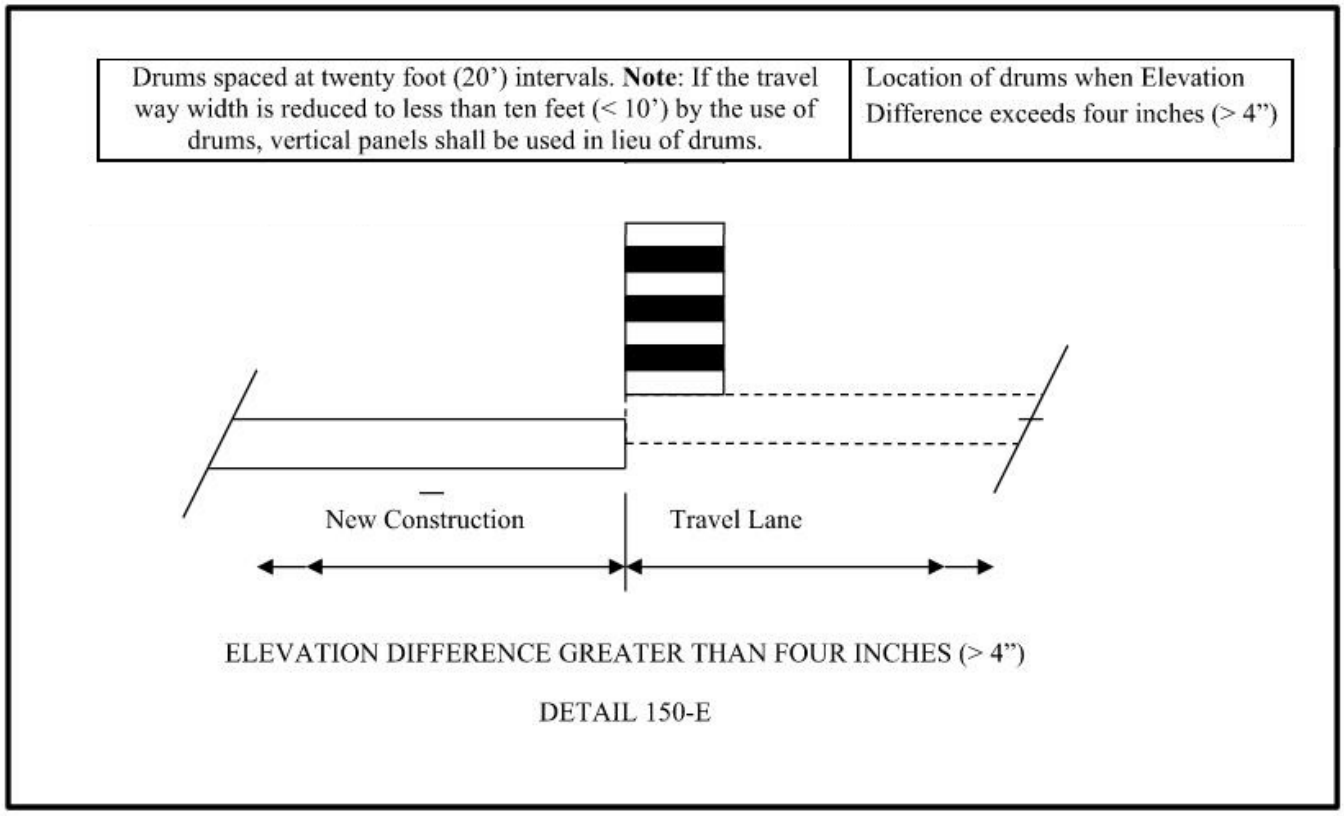
1. Shoulder Construction Included as a Part of the Contract

When the placement of asphaltic concrete materials creates a difference in elevation greater than two inches (> 2") between the earth shoulder (grassed or un-grassed) and the edge of travel lane or between the earth shoulder and a paved shoulder that is less than four feet (< 4') in width, the Contractor shall place and maintain drums in accordance with the requirements of Subsection 150.2.04.B.3. When the edge of the paved surface is tapered with a safety edge, drums may be spaced at two (2) times the speed limit in MPH. Drums shall remain in place

and be maintained until the difference in elevation has been eliminated by the placement of the appropriate shoulder materials.

2. Shoulder Construction Not Included as a Part of the Contract

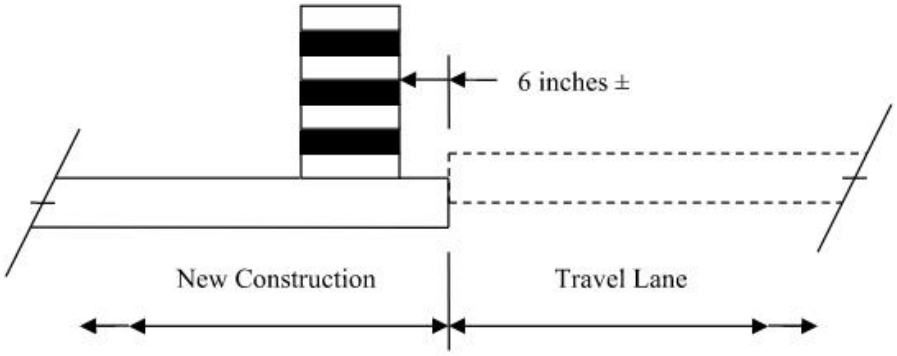
When the placement of asphaltic concrete materials creates a difference in elevation greater than two inches (> 2") between the earth shoulder (grassed or un-grassed) and the edge of travel lane or between the earth shoulder and a paved shoulder that is less than four feet (< 4') in width, the Contractor shall notify the Engineer, in writing, when the resurfacing work including all corrective list items has been completed.



ELEVATION DIFFERENCE GREATER THAN FOUR INCHES (> 4")

DETAIL 150-E

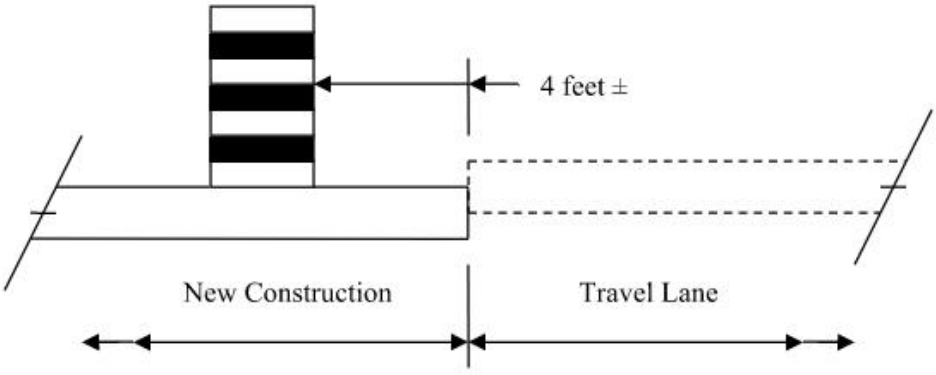
Drums spaced at forty foot (40') intervals.	Location of drums when Elevation Difference is greater than two inches (> 2") to four inches (4")



ELEVATION DIFFERENCE GREATER THAN TWO INCHES (> 2") TO FOUR INCHES (4")

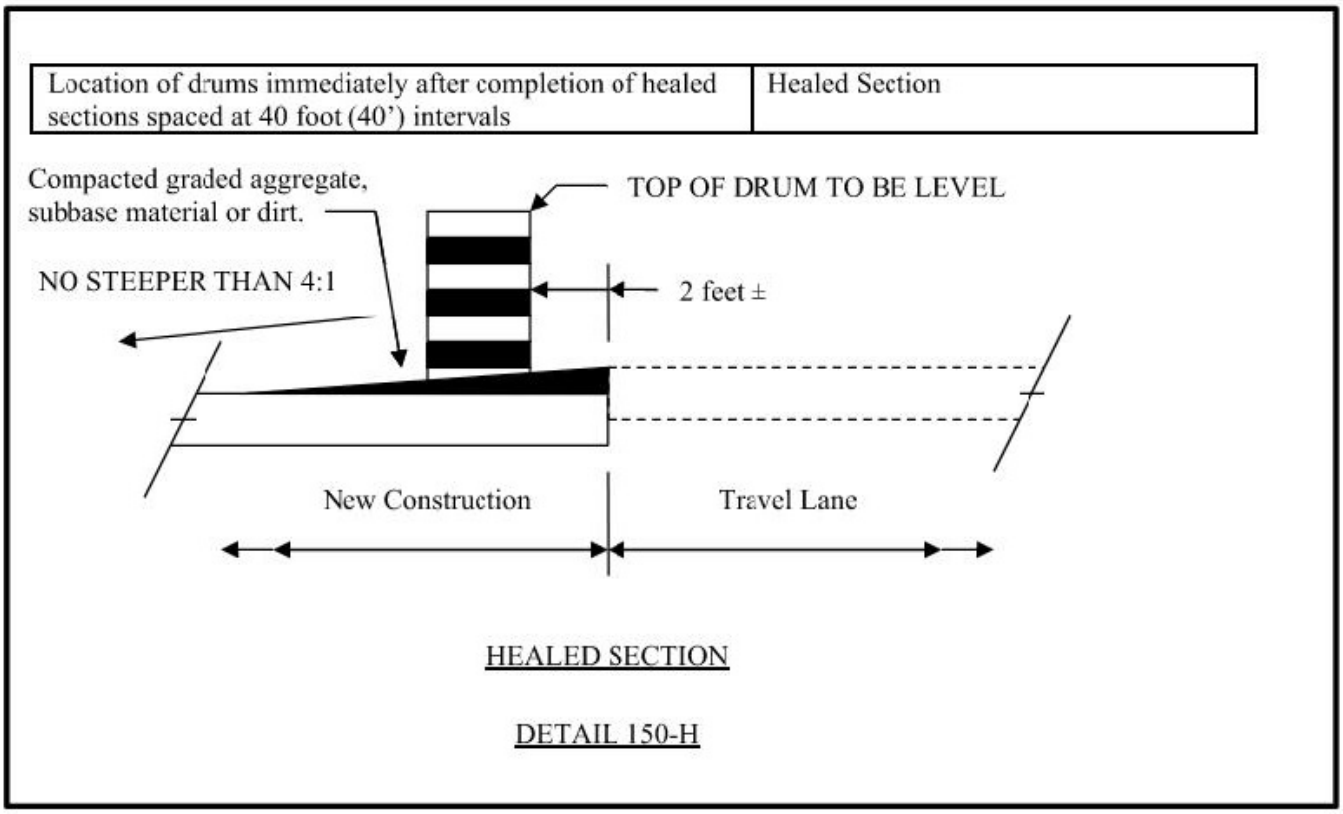
DETAIL 150-F

Drums spaced at eighty foot (80') intervals.	Location of drums when Elevation Difference is two inches (≤ 2") or less.



ELEVATION DIFFERENCE OF TWO INCHES (≤ 2") OR LESS

DETAIL 150-G



150.3.12 Work Zone Law Enforcement

Work zone law enforcement consists of utilizing a uniformed law enforcement officer equipped with patrol vehicle and blue flashing lights to enforce traffic laws in construction work zones and the administration of this service. Payment for work zone law enforcement will be made only for the utilization in work zones during lane closures, traffic pacing, or other activities that occur within travel lanes. The Contractor will be responsible for negotiating a rate of reimbursement and making reimbursement to that law enforcement agency.

The Contractor will be responsible for coordinating and scheduling the utilization of the work zone law enforcement. The Engineer may require the use of work zone law enforcement at specific times and locations.

Work zone law enforcement will be required in all work zones during lane closures, traffic pacing, or other activities that occur within travel lanes on the interstate.

150.4 Measurement

150.4.01 Traffic Control Items

A. Traffic Control

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

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

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

B. Changeable Message Sign, Portable

Portable changeable message sign will be measured as specified in Section 632.

C. Flashing Beacon Assembly

Flashing beacon assemblies will be measured as specified in Section 647.

D. Pavement Markings

Pavement markings will be measured as specified in Section 150.

E. Portable Impact Attenuators

Each portable impact attenuator will be measured by the unit/array which shall include all material components, hardware, incidentals, labor, site preparation, and maintenance, including spare parts recommended by the manufacturer for repairing accident damage. Each unit will be measured only once regardless of the number of locations installed, moves required, or number of repairs necessary because of traffic damage. Upon completion of the project, the units shall be removed and retained by the Contractor.

F. Signs

When shown as a pay item in the Contract, interim special guide signs will be paid for as listed below. All other regulatory, warning, and guide signs, as required by the Contract, will be paid for under Traffic Control Lump Sum or included in the overall bid submitted.

1. Interim ground mounted or interim overhead special guide signs will be measured for payment by the square foot. This payment shall be full compensation for furnishing the signs, including supports as required, erecting, illuminating overhead signs, maintaining, removing, re-erecting, and final removal from the Project. Payment will be made only one time regardless of the number of moves required.

2. Remove and reset existing special guide signs, ground mount or overhead, complete, in place, will be measured for payment per each. Payment will be made only one time regardless of the number of moves required.

3. Modify special guide signs, ground mount or overhead, will be measured for payment by the square foot. The area measured shall include only that portion of the sign modified. Payment shall include materials, removal from posts or supports when necessary, and remounting as required.

G. Temporary Audible Information Device

Temporary audible information devices are measured as the actual number furnished and installed in accordance with the manufacturer's recommendations, which shall include all necessary materials, equipment, labor, site preparation, maintenance, and removal. Each temporary audible information device will be paid for only one time regardless of the number of times it's reused during the duration of the Work. These devices shall remain the property of the Contractor.

H. Temporary Barrier

Temporary barrier shall be measured as specified in Sections 620.

I. Temporary Curb Cut Wheelchair Ramps

Temporary curb cut wheelchair ramps are measured as the actual number formed and poured, complete and accepted, which shall include all necessary materials, equipment, labor, site preparation, maintenance, and removal.

No additional payment will be made for sawing existing sidewalk and removal and disposal of removed material for temporary wheelchair ramp construction. No additional payment will be made for constructing the detectable warning surface.

J. Temporary Guardrail Anchorage, Type 12

Temporary guardrail anchorage- Type 12 will be measured by each assembly, complete in place and accepted according to the details shown in the Plans, which shall also include the additional guardrail and appurtenances necessary for transition and connection to temporary concrete barrier. Payment shall include all necessary materials, equipment, labor, site preparation, maintenance, and removal.

K. Temporary Walkways with Detectable Edging

Temporary walkways with detectable edging will be measured in linear feet (meters), complete in place and accepted, which shall include all necessary materials, equipment, labor, site preparation, temporary pipes, passing spaces, maintenance, and removal. Excavation and backfill are not measured separately for payment. No payment will be made for temporary walkways where existing pavements or existing edging (that meets the requirements of MUTCD) are utilized for the temporary walkway. Payment for temporary detectable edging, including approved barriers and channelizing devices, installed on existing pavement shall be included in Traffic Control-Lump Sum.

L. Traffic Signal Installation- Temporary

Temporary traffic signal installation will be measured as specified in Section 647.

M. Work Zone Law Enforcement

When work zone law enforcement is shown as a pay item, work zone law enforcement will be measured for payment by the hour. The Contractor shall provide a daily work record containing the actual number of hours charged by the law enforcement officer. The daily work record shall be complied on a form provided by the Department, signed by the law enforcement officer, signed by the Contractor's Worksite Traffic Control Supervisor attesting that the law enforcement was utilized during the time recorded, and then submitted to the Engineer.

Work zone law enforcement will be measured for payment by the hour up to the maximum number of hours included in the Contract. The Engineer may at their discretion increase the maximum number of hours.

Payment shall be full compensation for reimbursing the law enforcement agency and for all cost incurred by the Contractor in coordinating, scheduling, and administering the item work zone law enforcement.

If no work zone law enforcement pay item is included in the Contract, then all work zone law enforcement cost shall be included in Traffic Control – Lump Sum.

150.5 Reserved

150.6 Special Conditions

Special Conditions, if used, will be included elsewhere in the Contract.

150.7 Payment

When shown in the Schedule of Items in the Proposal, the following items will be paid for separately. Payment will be made under:

Item No. 150	Traffic control -	Lump Sum
Item No. 150	Traffic control, solid traffic stripe __ inch, (color)	Per linear mile
Item No. 150	Traffic control, skip traffic stripe __ Inch, (color)	Per linear mile
Item No. 150	Traffic control, solid traffic stripe, thermoplastic 24 inch, color	Per linear mile
Item No. 150	Traffic control, raised pavement markers –all types	Per each
Item No. 150	Remove and reset, existing special guide signs, overhead, complete-in-place	Per each
Item No. 150	Temporary walkways with detectable edging	Per linear foot
Item No. 150	Temporary curb cut wheelchair ramps	Per each
Item No. 150	Temporary audible information device	Per each
Item No. 150	Work Zone Law Enforcement	Per hour

150.7.01 Enforcement and Adjustments

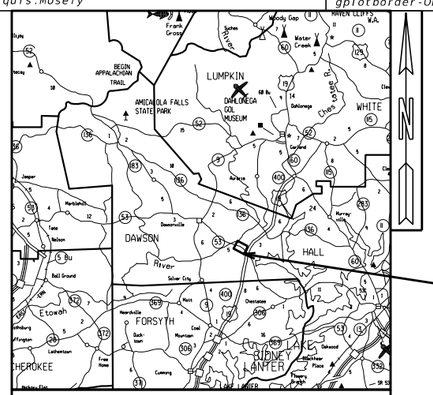
The safe passage of pedestrians and traffic through and around the temporary traffic control zone, while minimizing confusion and disruption to traffic flow, shall have priority over all other Contractor activities. Continued failure of the Contractor to comply with the requirements of Section 150 -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

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

SCHEDULE OF DEDUCTIONS FOR EACH CALENDAR DAY OF DEFICIENCIES OF TRAFFIC CONTROL INSTALLATION AND/OR MAINTENANCE		
ORIGINAL TOTAL CONTRACT AMOUNT		
From More Than	To and Including	Daily Charge
$0	$100,000	$250
$100,000	$1,000,000	$650
$1,000,000	$5,000,000	$1,300
$5,000,000	$20,000,000	$2,000
$20,000,000	$40,000,000	$2,600
$40,000,000	$----------	$4,000

DEPARTMENT OF TRANSPORTATION
DAWSON COUNTY

SR 53 AT LUMPKIN CAMPGROUND RD INTERSECTION IMPROVEMENTS



PROJECT LOCATION

LOCATION SKETCH

DESIGN DATA:
2030 TRAFFIC A.D.T.: 18,500
2050 TRAFFIC A.D.T.:27,450
TRAFFIC DHV:1,400(AM),1,550(PM)
DIRECTIONAL DIST:64% NB,51% SB
% TRUCKS:10% (AM),4% (PM)
24 HR.TRUCKS %:7%
SPEED DESIGN:35 MPH

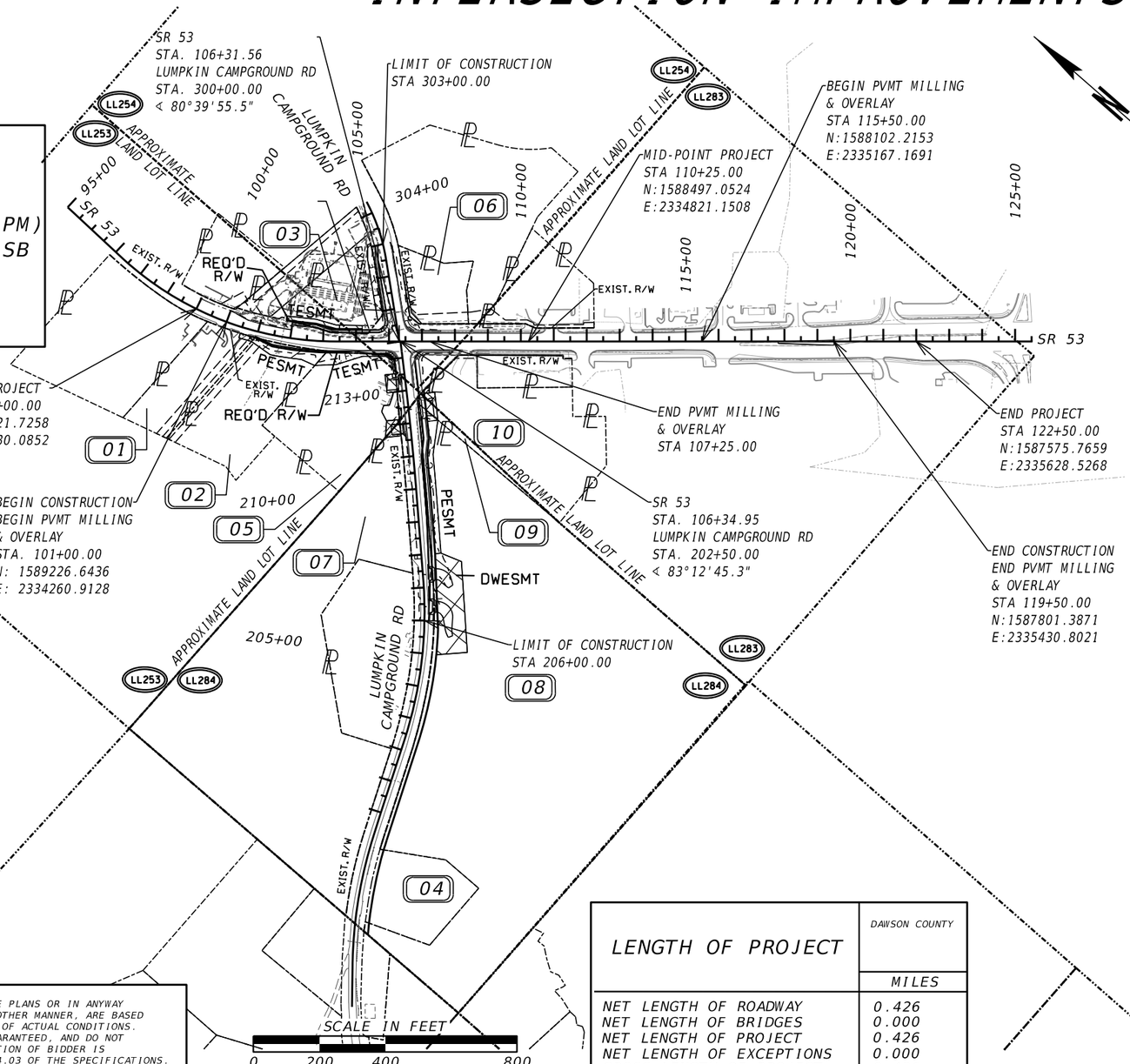
DESIGN DATA:
SR 53
POSTED/DESIGN SPEED:35 MPH
FUNCTIONAL CLASSIFICATION:
PRINCIPAL ARTERIAL

LUMPKIN CAMPGROUND RD
POSTED/DESIGN SPEED:45 MPH
FUNCTIONAL CLASSIFICATION:
MAJOR COLLECTOR

THIS PROJECT IS 100% IN DAWSON COUNTY,
LOCATED IN GDOT DISTRICT I

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

05-01-2026
NOT RELEASED FOR CONSTRUCTION
FOR BIDDING PURPOSES ONLY



LENGTH OF PROJECT	DAWSON COUNTY MILES
NET LENGTH OF ROADWAY	0.426
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	0.426
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.426

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

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

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

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE 2026 CONSTRUCTION STANDARDS AND DETAILS BOOK AND ATTACHED APPLICABLE REVISIONS. THE 2026 CONSTRUCTION STANDARDS AND DETAILS BOOK IS AVAILABLE AT: http://mydocs.dot.ga.gov/info/gdotpubs/ConstructionStandardsAndDetails/Forms/AllItems.aspx ANY REVISIONS CONTAINED WITHIN THIS PLAN SET SUPERSEDE THE 2026 CONSTRUCTION STANDARDS AND DETAILS BOOK WHICH THEY REVISE OR IN WHICH THERE IS A CONFLICT.

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www.kci.com

PLANS PREPARED BY: DESIGN

RECOMMENDED FOR SUBMISSION BY: DESIGN

RECOMMENDED FOR ACCEPTANCE BY: STATE DESIGN ENGINEER

DATE CHIEF ENGINEER

PLANS COMPLETED	
REVISIONS	

DRAWING No. 01-0001

NOT RELEASED FOR CONSTRUCTION

DRAWING NO.	DESCRIPTION	REVISION DATE
01-0001	COVER	
02-0001	INDEX	
03-0001	REVISION SUMMARY	
04-0001 TO 04-0002	GENERAL NOTES	
05-0001 TO 05-0004	TYPICAL SECTIONS	
06-0001	SUMMARY OF QUANTITIES	
09-0001	DETAILED SUMMARY	
13-0001 TO 13-0007	MAINLINE PLANS	
15-0001 TO 15-0002	MAINLINE PROFILES	
16-0001 TO 16-0002	SIDEROAD PROFILES	
17-0001 TO 17-0002	DRIVEWAY PROFILES	
21-0001	DRAINAGE MAP	
22-0001 TO 22-0003	DRAINAGE PROFILES	
23-0001 TO 23-0020	CROSS SECTIONS	
24-0001 TO 24-0007	UTILITY PLANS	
26-0001 TO 26-0007	SIGNING AND MARKING PLANS	
27-000A TO 27-0003	SIGNAL PLANS	
50-0001	EROSION CONTROL COVER	
51-0001 TO 51-0004	ESPCP GENERAL NOTES	
52-0001 TO 52-0007	EROSION CONTROL LEGEND	
53-0001	ESPCP DRAINAGE AREA MAP	
54-0001 TO 54-0021	ESPCP BMP LOCATION PLANS	
55-0001	WATERSHED MAP SITE	
56-0001 TO 56-0008	EROSION CONTROL CONSTRUCTION DETAILS	
60-0001 TO 60-0017	RIGHT OF WAY PLANS	

DRAWING NO.	DESCRIPTION	REVISION DATE

These plans have been prepared in accordance with the 2026 Construction Standards and Details Book and attached applicable revisions. The 2026 Construction Standards and Details Book is available at: http://mydocs.dot.ga.gov/info/gdotpubs/ConstructionStandardsAndDetails/Forms/AllItems.aspx. Any revisions contained within this plan set supersede the 2026 Construction Standards and Details Book which they revise or in which there is a conflict.

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

REVISION DATES

INDEX
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

DATE	DRAWING NO.	REVISION

DATE	DRAWING NO.	REVISION

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

REVISION DATES

REVISION SUMMARY

SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

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

2. ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON HIGHWAY PLANS, AND ARE NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON HIGHWAY PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY UNDER THIS REQUIREMENT. "EXISTING UTILITY FACILITIES" MEANS ANY UTILITY THAT EXISTS ON THE HIGHWAY PROJECT IN ITS ORIGINAL, RELOCATED, OR NEWLY INSTALLED POSITION. ALL UTILITY FACILITIES WHICH ARE IN CONFLICT WITH CONSTRUCTION AND ARE NOT COVERED AS SPECIFIC ITEMS IN THE DETAILED ESTIMATE ARE TO BE REMOVED OR RELOCATED TO CLEAR CONSTRUCTION IN ADVANCE OF HIS WORK.

3. UTILITY WORK COORDINATION WILL BE REQUIRED AS A PART OF THIS CONTRACT. THE CONTRACTOR SHALL BE REQUIRED TO USE THE ONE-CALL CENTER TELEPHONE NUMBER, 811 OR 1-800-282-7411, FOR THE PURPOSE OF COORDINATING THE MARKING OF UNDERGROUND UTILITIES. THE CONTRACTOR'S ATTENTION IS CALLED TO SUB-SECTION 105.06 "COOPERATION WITH UTILITIES". MORE INFORMATION CAN BE FOUND AT THE GAUPC.COM WEB SITE.

   THE FOLLOWING UTILITIES HAVE FACILITIES IN THE PROJECT AREA:

UTILITY OWNER	SERVICE
AGL	GAS
ETOWAH WATER	WATER
SEMC	ELECTRIC
WINDSTREAM	TELECOMMUNICATIONS
POINT BROADBAND	TELECOMMUNICATIONS

4. THE TOTAL ACREAGE SHOWN ON THE PLANS FOR CLEARING AND GRUBBING ARE FOR INFORMATION ONLY. THE DEPARTMENT OF TRANSPORTATION ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY. THE CONTRACTOR SHALL BID ON GRADING COMPLETE - LUMP SUM AND IT SHALL BE HIS RESPONSIBILITY TO DETERMINE THE ACTUAL ACRES TO BE CLEARED AND GRUBBED. NO CLAIMS WILL BE CONSIDERED FOR EXTRA COMPENSATION IF THE CONTRACTOR RELIES ON THE ACRES SHOWN ON THE PLANS. COSTS FOR ITEMS TO BE REMOVED WHICH DO NOT HAVE A SEPARATE PAY ITEM SHALL BE INCLUDED IN PRICE BID FOR GRADING COMPLETE - LUMP SUM.

5. THE CONTRACTOR SHALL STRICTLY ADHERE TO DUST CONTROL REGULATIONS. ALL AREAS SUBJECTED TO DUST FORMATION MUST BE PERIODICALLY WATERED, SUFFICIENT TO RETARD DUST. ALL COSTS FOR DUST CONTROL SHALL BE INCLUDED IN PRICE BID FOR GRADING COMPLETE - LUMP SUM.

6. THE TOTAL AREA SHOWN ON THE PLANS FOR GRASSING IS FOR INFORMATION ONLY. THE DEPARTMENT OF TRANSPORTATION ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY. THE CONTRACTOR SHALL BID ON GRASSING COMPLETE, LUMP SUM, AND IT SHALL BE HIS RESPONSIBILITY TO DETERMINE THE ACTUAL AREA TO BE GRASSED. NO CLAIMS WILL BE CONSIDERED FOR EXTRA COMPENSATION IF THE CONTRACTOR RELIES ON THE AREA SHOWN ON THE PLANS.

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

8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL.

9. HORIZONTAL CONTROL IS BASED UPON GEORGIA STATE PLANE COORDINATE SYSTEM. SEE PLANS FOR LOCATIONS AND DESCRIPTIONS OF MONUMENTS USED.

10. ALL DRIVEWAYS, WHERE ACCESS IS ALLOWED, SHALL BE PLACED AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH RULES AND REGULATIONS FOR CONTROL AND PROTECTION OF DEPARTMENT OF TRANSPORTATION RIGHTS-OF-WAY. ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE REPLACED, IN KIND, I.E., ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE AND ASPHALT FOR EARTH. THE DRIVEWAY LOCATIONS INDICATED ON THE PLANS ARE FROM THE BEST AVAILABLE DATA. THE CONTRACTOR SHALL CONSTRUCT NEW DRIVEWAYS TO MATCH THE ACTUAL FIELD LOCATION OF EXISTING DRIVEWAYS WHERE THEY ARE NOT IN CONFLICT WITH THE RULES AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER PRIOR TO MAKING ANY REVISIONS SUCH AS TO LOCATION, WIDTH AND/OR NUMBER OF DRIVES TO BE CONSTRUCTED. ASPHALTIC AND UNPAVED DRIVEWAYS SHALL BE PAVED TO THEIR CONSTRUCTION LIMITS. WHERE REQUIRED, THE DRIVES SHALL BE PAVED AS FOLLOWS:

10. (CON'T)
   ASPHALTIC DRIVES

   RESIDENTIAL - 1-1/2" RECYCLED ASPHALTIC CONCRETE, 12.5 MM SUPERPAVE GP2
   ONLY INCL. BITUMINOUS MATERIAL & H. LIME
   6" GRADED AGGREGATE BASE
   COMMERCIAL - 1-1/2" RECYCLED ASPHALTIC CONCRETE, 12.5 MM SUPERPAVE GP2
   ONLY INCL. BITUMINOUS MATERIAL & H. LIME
   2" RECYCLED ASPHALTIC CONCRETE 19 MM SUPERPAVE, GP 1 OR GP 2,
   INCL BITUM MAT'L & H LIME
   8" GRADED AGGREGATE BASE
   NOTE: IF THE PROJECT CONSISTS OF ROADWAY ASPHALT PAVING USE THE SAME ASPHALT MIX DESIGN AS THE ROADWAY.

   CONCRETE DRIVES

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

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

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

13. ALL EXISTING PIPE SHALL BE RETAINED UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER. COSTS FOR REMOVAL SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE.

14. AT LOCATIONS WHERE NEW PAVEMENT IS TO BE PLACED ADJACENT TO EXISTING PAVEMENT WITHOUT AN OVERLAY OR WHERE CURBING IS TO BE PLACED ACROSS A PAVED AREA, A JOINT SHALL BE SAWED ON A LINE ESTABLISHED BY THE ENGINEER TO ENSURE PAVEMENT REMOVAL TO A NEAT LINE. COSTS FOR SAWED JOINTS, WHEN REQUIRED, SHALL BE INCLUDED IN PRICE BID FOR OTHER CONTRACT ITEM, EXCEPT WHEN SAWING PCC CONCRETE PAVEMENT.

15. WHERE EXISTING PAVEMENT MARKINGS AND LINES ARE IN CONFLICT WITH THE TRAFFIC PATTERN BEING USED ON CONSTRUCTION, THE CONTRACTOR SHALL REMOVE OR OVERLAY LINES TO THE SATISFACTION OF THE ENGINEER SUCH THAT THE LINES DO NOT CONFUSE THE TRAVELING PUBLIC. ALL REMAINING LINES OR MARKINGS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" OR AS DIRECTED BY THE ENGINEER. TRAFFIC SHALL NOT BE ALLOWED ON ANY PAVEMENT NOT PROPERLY STRIPED.

16. THE CONTRACTOR'S ATTENTION IS DIRECTED TO ARTICLES 104.05 AND 107.07 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND SEQUENCE OF OPERATIONS IN REGARDS TO MAINTENANCE OF TRAFFIC DURING CONSTRUCTION.

17. PRICE BID FOR TRAFFIC CONTROL - LUMP SUM SHALL INCLUDE, BUT IS NOT LIMITED TO, CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNING AND PAVEMENT MARKINGS, BARRICADES, CHANNELIZING DEVICES, ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION. ALL TEMPORARY SIGNING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", CURRENT EDITION AND/OR AS DIRECTED BY THE ENGINEER.

18. STAGED CONSTRUCTION MAY BE REQUIRED IN ORDER TO MAINTAIN TRAFFIC THROUGHOUT THE PROJECT. CONSTRUCTION STAGING PLANS MAY BE INCLUDED IN THIS SET OF DRAWINGS AND ARE FOR GUIDANCE. THE CONTRACTOR MAY ELECT TO DESIGN HIS OWN STAGING PLAN. IF SO, THE CONTRACTOR'S STAGING PLAN MUST BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION. ANY DEVIATION TO THE STAGE CONSTRUCTION PLANS, IF INCLUDED, SHALL BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION.

19. NO SEPARATE PAYMENT WILL BE MADE FOR EARTHWORK OPERATIONS REQUIRED FOR DETOUR CONSTRUCTION. THE COST OF DETOUR GRADING AND EARTHWORK OPERATIONS REQUIRED SOLELY FOR DETOURS SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS.

20. HANDICAP RAMPS SHALL BE CONSTRUCTED AT ALL POINTS WHERE SIDEWALK TERMINATES AT CURB OR IS BISECTED BY DRIVEWAYS, IF NECESSARY. THE EXACT TYPE OF RAMP (TERMINAL OR ON CURB RADIUS) MAY BE MODIFIED AS DIRECTED BY THE ENGINEER.

21. ALL CUT AND FILL SLOPES SHALL BE GRASSED AS DIRECTED BY THE ENGINEER IMMEDIATELY AFTER THE SLOPES ARE ESTABLISHED IN ORDER TO REDUCE EROSION. IF THE SEASON DOES NOT PERMIT GRASSING, TEMPORARY MULCH SHALL BE USED AS DIRECTED BY THE ENGINEER. REFER TO SECTION 161 OF THE STANDARD SPECIFICATIONS.

22. THE CONTRACTOR SHALL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED, OR REGRADING AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN THE PLANS AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.

23. THIS PROJECT HAS A TOTAL AREA OF 7.22 ACRES AND THE EXPECTED DISTURBED AREA IS 2.66 ACRES. (THE TOTAL AREA IS THE TOTAL AREA OF THE RIGHT-OF-WAY AND EASEMENTS AND THE DISTURBED AREA IS THE AREA THAT WILL BE CLEARED AND GRUBBED.)

24. THE CONTRACTOR WILL BE RESPONSIBLE FOR PRE-MARKING ALL SIGNING, STRIPING, GUARDRAIL AND HANDICAP RAMPS. AFTER PRE-MARKING IS COMPLETE AND 72 HRS. IN ADVANCE OF INSTALLATION, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER TO COORDINATE WITH DAWSON COUNTY DEPARTMENT OF TRANSPORTATION'S OPERATIONS AND MAINTENANCE DIVISION FOR APPROVAL.

25. AGGREGATE SURFACE COURSE FOR TEMPORARY DRIVEWAYS, INCLUDING MATERIAL, HAUL AND PLACEMENT SHALL BE USED AT THE ENGINEER'S DIRECTION TO FACILITATE THE MOVEMENT OF LOCAL TRAFFIC THROUGH THE CONSTRUCTION AREA DURING INCLEMENT WEATHER. WHEN USED FOR THIS PURPOSE, SECTION 318 OF THE GADOT STANDARD SPECIFICATIONS IS MODIFIED TO PERMIT TRUCK DUMPING ON UNPREPARED WET, MUDDY SUBGRADE. SECTION 318 IS FURTHER MODIFIED TO PERMIT THE USE OF CRUSHER STONE AS DESCRIBED IN SECTION 318.02. THE CONTRACTOR WILL HAVE THE USE OF THE FOLLOWING MATERIALS:
   A. GRADED AGGREGATE, ARTICLE 815.2.01
   B. COURSE AGGREGATE, SIZE 467, ARTICLE 800.2.01
   C. STABILIZED AGGREGATE, TYPE I OR II, SECTION 803.2.01 OR 803.2.02
   D. CRUSHED STONE, ARTICLE 806.2.01

26. ALL AREAS WHERE THERE ARE EXISTING CATCH BASINS OR DRAINAGE INLETS WHERE THE SIDEWALK IS TO BE CONSTRUCTED; THE SIDEWALK SLOPE SHALL BE ADJUSTED TO TIE IN SMOOTHLY WITH THE EXISTING DRAINAGE STRUCTURES.

27. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO LAND DISTURBANCE ACTIVITIES AND SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION OR AS DIRECTED BY THE ENGINEER.

29. ORANGE BARRIER FENCE SHALL BE ADDED AROUND ALL TREES THAT ARE NOT TO BE DISTURBED.

30. CONSTRUCTION LAYOUT WILL BE REQUIRED BY THE CONTRACTOR. ALL COST FOR THIS ITEM WILL BE INCLUDED IN THE PRICE BID FOR OTHER CONTRACT ITEMS.

31. TYPE OF GRASS OR SOD USED ON THIS PROJECT WILL BE REQUIRED TO MATCH ANY TYPE OF GRASS OR SOD WHICH MAY BE PLANTED AND GROWING ON THE ADJACENT LAWN, I.E. BERMUDA SOD FOR BERMUDA SOD, ZOYSIA FOR ZOYSIA, ETC. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.

32. CHEMICAL AND BACTERIOLOGICAL TESTING, AS REQUIRED IN SEC. 33 11 13.05 OF THE WATER SPECIFICATIONS, REQUIRES TWO CONSECUTIVE SETS OF ACCEPTABLE SAMPLES, TAKEN AT LEAST 24 HOURS APART.

33. UNLESS OTHERWISE SPECIFIED OR DIRECTED BY THE INSPECTOR, ALL WATER LINES SHALL HAVE A MINIMUM OF 48 INCHES OF COVER.

34. ALL TEMPORARY SHORING WILL BE CONSIDERED INCIDENTAL TO GRADING COMPLETE AND WON'T BE MEASURED FOR PAYMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE NEED FOR TEMPORARY SHORING, WHAT IS SHOWN IS FOR INFORMATIONAL PURPOSES ONLY.

Resistivity: pH 7.6, > 10,000

Project Number: N/A County: DAWSON P.I. Number: N/A

Pipe Culvert Material Alternates

TYPE OF INSTALLATION			PIPE TYPE: CONCRETE: REINFORCED CONCRETE AASHTO M170	STEEL: CORRUGATED STEEL ALUMINUM COATED TYPE 2) AASHTO M-36	STEEL: CORRUGATED STEEL PLAN ZINC COATED AASHTO M-36	STEEL: POLYMER COATED STEEL AASHTO M-245	ALUMINUM: CORRUGATED ALUMINUM AASHTO M-196	THERMOPLASTIC: CORRUGATED HDPE AASHTO M-252	THERMOPLASTIC: CORRUGATED SMOOTH LINED HDPE TYPE "S" AASHTO M-294	THERMOPLASTIC: CORRUGATED SMOOTH LINED POLYPROPYLENE AASHTO M-330	THERMOPLASTIC: PVC CORRUGATED SMOOTH INTERIOR AASHTO F-949	THERMOPLASTIC: PVC Profile Wall Drain Pipe AASHTO M-304
STORM DRAIN	NON-TRAVEL BEARING (SIDE SLOPE OUTSIDE ROADBED)	INTERSTATE	X									
		NON INTERSTATE	X						X	X	X	X
	TRAVEL BEARING (INSIDE ROADBED)	GRADE 10% ADT < 1,500	X						X	X	X	X
		GRADE 10% 1,500 < ADT < 5,000	X						X	X	X	X
		GRADE 10% 5,000 < ADT < 15,000	X						X	X	X	X
		GRADE 10% ADT > 15,000 & INTERSTATES	X									
		GRADE > 10%							X	X	X	X
SIDE DRAIN			X						X	X	X	X
PERMANENT SLOPE DRAIN				X	X	X	X		X	X	X	X
PERFORATED UNDERDRAIN				X	X		X	X	X	X	X	X

NOTE:
1. Allowable materials are indicated by an "X".
2. Structural, installation, fill height and backfill requirements of storm drain pipe will be in accordance with Georgia Standard 1030-D or 1030-P and the Standard Specifications.
3. The Contractor shall provide additional storm sewer capacity calculations if a pipe material other than concrete is selected.
4. Pipe used under mechanically stabilized earth (MSE) walls, within MSE wall backfill, or within five feet of an MSE wall face shall be Class V Concrete Pipe.

Rev. 1-12-16

GEORGIA811 Utilities Protection Center, Inc
Know what's below. Call before you dig.

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NOT RELEASED FOR CONSTRUCTION

GENERAL NOTES - STANDARD SIGNS

1. ALL STANDARD HIGHWAY SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND THE GEORGIA SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND/OR SPECIAL PROVISIONS.

2. SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR OR BY THE PROJECT ENGINEER WITHOUT PRIOR APPROVAL FROM THE OFFICE OF TRAFFIC OPERATIONS.

3a. ALL STANDARD HIGHWAY SIGNS EXCEPT AS PROVIDED FOR IN #3B SHALL BE ERECTED AT A HEIGHT OF 7 FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY. IF SIDEWALK IS PROPOSED OR EXISTING, THE SIGNS SHALL BE ERECTED AT A HEIGHT OF 7 FEET ABOVE THE SIDEWALK.

3b. R5-1 "DO NOT ENTER" SIGNS ALONG FREEWAY OR INTERSTATE EXIT RAMPS SHALL BE ERECTED AT A HEIGHT OF 3 TO 4 FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY.

4a. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON INTERSTATE HIGHWAYS SHALL BE 32 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), UNLESS SPECIFIED OTHERWISE IN THE PLANS. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON RAMPS SHALL BE 2 FEET FROM THE NORMAL EDGE OF PAVED SHOULDER, OR EDGE OF GRADED SHOULDER WHEN PRESENT.

4b. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON ALL OTHER ROADWAYS SHALL BE 6 FEET FROM THE EDGE OF THE PAVED SHOULDER OR 12 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), WHICHEVER IS GREATER. THE HORIZONTAL CLEARANCE IN NON-MOUNTABLE CURB SECTIONS SHALL BE AT LEAST 2 FEET FROM THE CURB FACE TO THE NEARER EDGE OF THE SIGN(S).

4c. WHEN GUARDRAIL IS PRESENT OR BEING PROPOSED, SIGNS SHALL BE POSTED AN UNSTIPULATED DISTANCE BEHIND GUARDRAIL.

5. SINGLE PLATE, HORIZONTAL RECTANGULAR SIGNS OVER 48 INCHES IN WIDTH SHALL BE MOUNTED ON TWO POSTS WITH 2 EACH 2 INCH x ½ INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAPS. THE STRAPS SHALL BE FLUSH WITH THE BACK OF THE SIGN WITH ONE EACH ACROSS THE TOP AND BOTTOM OF THE SIGN. THE CENTERLINE OF EACH POST SHALL BE INSET 1/6TH OF THE SIGN WIDTH FROM THE EDGE OF THE SIGN. SIGN PLATE BOLT HOLES SHALL BE □ INCH DIAMETER, DRILLED OR PUNCHED, AS SHOWN ON THE SIGN PLATE DETAILS.

6. EACH 42 OR 48 INCH WIDE x 18 OR 24 INCH HIGH SIGN REQUIRES ONE 2 INCH x ½ INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAP LOCATED IN THE CENTER OF THE SIGN AND FLUSH WITH THE BACK OF THE SIGN.

6. EACH 42 OR 48 INCH WIDE x 18 OR 24 INCH HIGH SIGN REQUIRES ONE 2 INCH x ½ INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAP LOCATED IN THE CENTER OF THE SIGN AND FLUSH WITH THE BACK OF THE SIGN.

7. SIGN ASSEMBLIES SHALL BE MOUNTED ON ALUMINUM OR GALVANIZED STEEL STRAP FRAMES. FOR DETAILS AND STRAP SPECIFICATIONS REFER TO SIGN ASSEMBLY-TYPICAL FRAMING DETAILS.

8. TYPE 9 (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS REQUIRING REFLECTORIZED BACKGROUNDS EXCEPT AS SPECIFIED BELOW OR SPECIFIED OTHERWISE IN THE PLANS. EITHER CLASS 1 OR CLASS 2 ADHESIVE BACKING IS PERMISSIBLE.

9. TYPE 11 (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL RED SERIES SIGNS (R1-1, R1-2, R1-3P, R5-1, R5-1A, R5-1B).

10. TYPE 11 (VERY HIGH INTENSITY) FLUORESCENT YELLOW REFLECTIVE SHEETING SHALL BE USED FOR ALL WARNING SIGNS.

11. TYPE 11 (VERY HIGH INTENSITY) FLUORESCENT YELLOW GREEN REFLECTIVE SHEETING SHALL BE USED FOR SCHOOL ZONE (S1-1, S2-1, S3-1, S4-3, AND THE TOP PORTION OF THE S5-1) SIGNS. ALL REGULATORY SIGNS WITHIN THE SCHOOL ZONE SIGNING SHALL HAVE TYPE 9 (VERY HIGH INTENSITY) REFLECTIVE SHEETING.

12. A ½ INCH MINIMUM AIR SPACE SHALL BE REQUIRED BETWEEN ALL SIGN PLATES WITHIN AN ASSEMBLY.

13. WHERE SIGNS WITHIN AN ASSEMBLY EXTEND BELOW THE STANDARD MOUNTING HOLES ON THE POST(S), ADDITIONAL□INCH DIAMETER HOLE(S), DRILLED OR PUNCHED, SHALL BE REQUIRED TO PROPERLY MOUNT THE ASSEMBLY.

14. ALL INTERSTATE, U.S., AND GEORGIA SHIELDS REQUIRING ALT, BUS, CONN, LOOP, OR SPUR SHALL USE 4 INCH SERIES "D" LETTERS. REFER TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, FOR DETAILS.

15. FOR DETAILS OF SPECIAL DESIGN HIGHWAY SIGNS, SEE DETAILS OF MISCELLANEOUS SIGNS.

16. REFER TO PLAN SHEETS FOR LOCATION OF THE DISTRICT ENGINEERS OFFICE TO BE SHOWN ON ALL R552-1 (LIMITED ACCESS) SIGNS IN THIS PROJECT, IF ANY.

17. THE CONTRACTOR WILL, AS REQUESTED BY THE DISTRICT TRAFFIC OPERATIONS ENGINEER, BE REQUIRED TO REMOVE ANY EXISTING SIGNS THAT ARE DUPLICATED OR ARE CONTRARY TO THESE SIGN PLANS.

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

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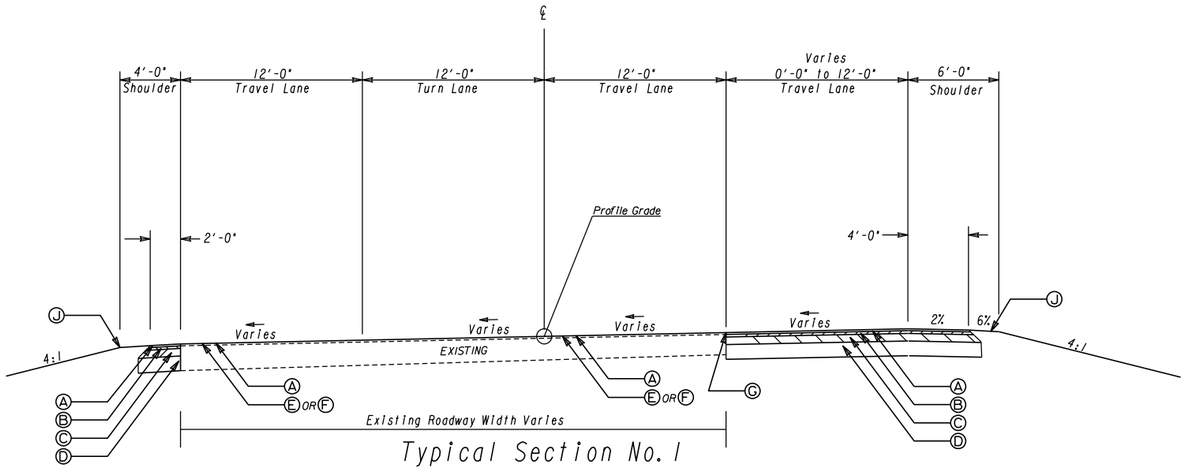
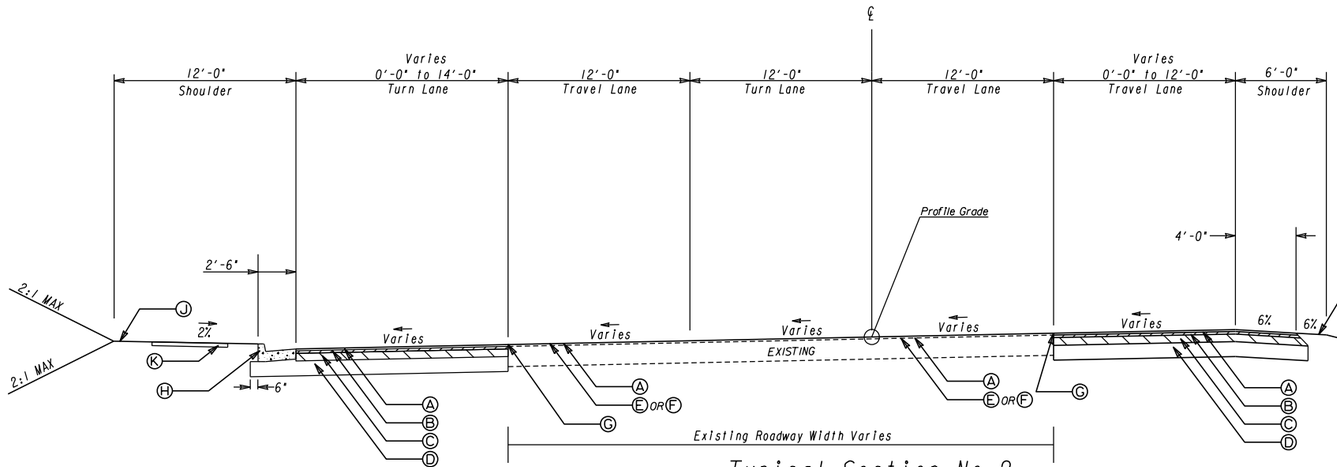


Typical Section No. 1
SR 53
STA. 101+00.00 to STA. 103+00.00



Typical Section No. 2
SR 53
STA. 103+00.00 to STA. 105+50.00

ALLOWABLE RANGES TABLE

FOR THIS PROJECT, CROSS SLOPES THAT ARE ADJUSTED TO "BEST FIT" EXISTING PAVEMENT SLOPES ARE SUBJECT TO THE FOLLOWING LIMITS:

A. NORMAL CROWN

SECTION WITH GRADES 0.5% OR GREATER	SECTION WITH GRADES LESS THAN 0.5%
0.0150 FT/FT - MINIMUM	0.0156 FT/FT - MINIMUM
0.0208 FT/FT - DESIRABLE	0.0208 FT/FT - DESIRABLE
0.0250 FT/FT - MAXIMUM	0.0300 FT/FT - MAXIMUM

B. SUPERELEVATION RATE

S.E. RATE SHOWN ON PLANS OR SE RATE EXISTING IN FIELD, WHICHEVER IS GREATER.

C. SUPERELEVATION TRANSITION LENGTH (LENGTH FROM FLAT POINT TO FULL SE)

	RATE OF CHANGE	CORRESPONDING DIFFERENCE IN GRADE BETWEEN PIVOT POINT AND EDGE OF PAVEMENT
MINIMUM	1:150	0.67%
DESIRABLE	1:200	0.50%
MAXIMUM	1:300	0.33%

LENGTH SHALL BE SET TO AVOID CREATING A FLAT GUTTER GRADE ON LOW SIDE AND TO AVOID FLAT CROSS SLOPES AT OR NEAR THE LOW POINT OF VERTICAL CURVES.

D. POSITIONING OF SUPERELEVATION TRANSITION LENGTH ON SIMPLE CURVES

50% OF TRANSITION INSIDE CURVE - MAXIMUM
33% OF TRANSITION INSIDE CURVE - DESIRABLE
20% OF TRANSITION INSIDE CURVE - MINIMUM

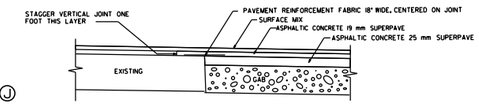
NOTE: CROWN WIPE-OUT SHALL BE AT THE SAME RATE AS THE SE TRANSITION.

E. SMOOTHING OF BREAKS IN EDGE PROFILE AT BEGIN AND END OF TRANSITION SHALL BE ACCOMPLISHED BY VERTICAL CURVE WITH A MINIMUM LENGTH (IN FEET) EQUAL TO THE SPEED DESIGN (IN MPH).

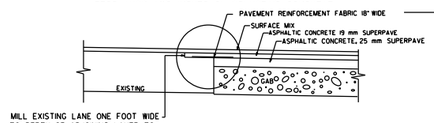
REQUIRED PAVEMENT

Ⓐ RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (165 LB/SQ YD) @ 1.5 IN
Ⓑ RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SQ YD) @ 2 IN
Ⓒ RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (440 LB/SQ YD) @ 4 IN
Ⓓ GR AGGR BASE CRS, 12 INCH, INCL MATL
Ⓔ RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME
Ⓕ VARIABLE DEPTH MILLING, AS REQUIRED
Ⓖ 18 INCH TYPE II PAVEMENT REINFORCEMENT FABRIC
Ⓗ CONCRETE CURB & GUTTER, 8 IN X 30 IN, TP 2
Ⓘ DOWEL INTEGRAL CONCRETE MEDIAN WITH CONCRETE HEADER CURB, 6 IN, TP 9
Ⓙ SOD
Ⓚ 4" CONCRETE SIDEWALK

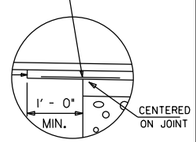
TYPICAL SECTION DETAIL TO BE USED WHEN EXISTING PAVEMENT IS TO BE RESURFACED WITH TWO INCHES OR MORE OF ASPHALTIC CONCRETE



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



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



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11/05/2020

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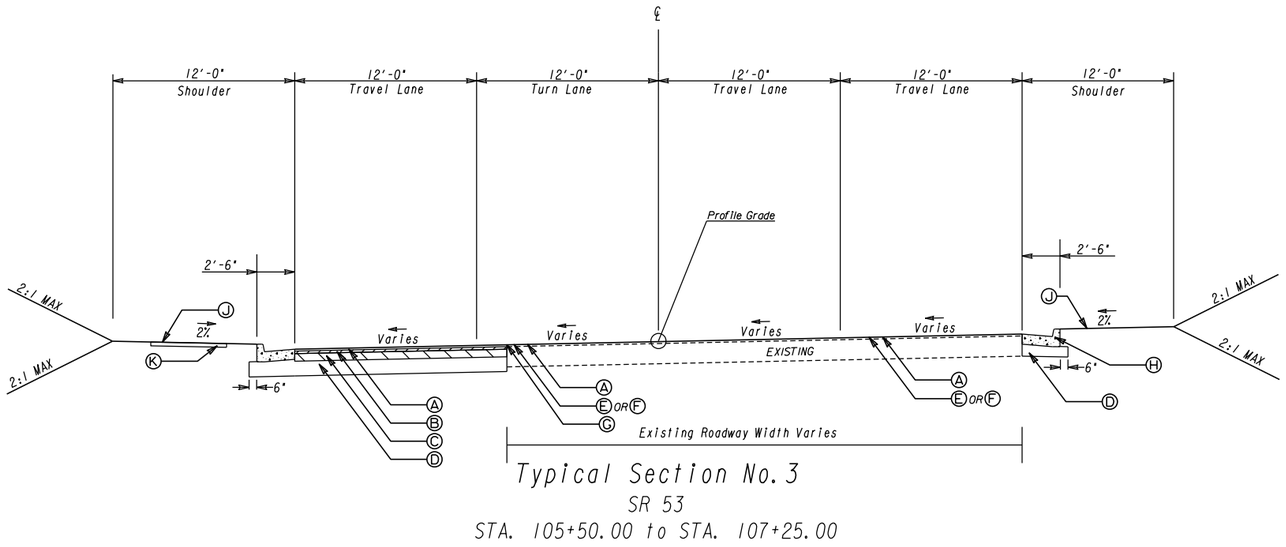
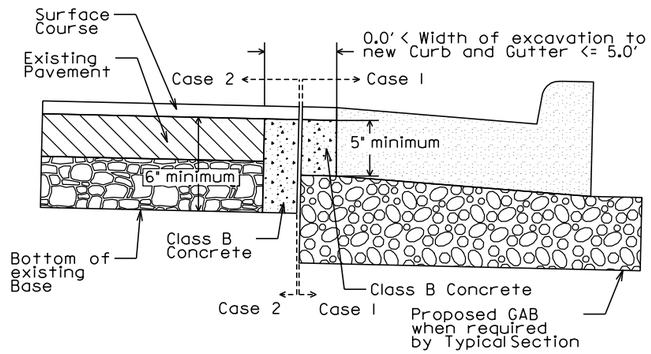


Typical Section No. 3
SR 53
STA. 105+50.00 to STA. 107+25.00

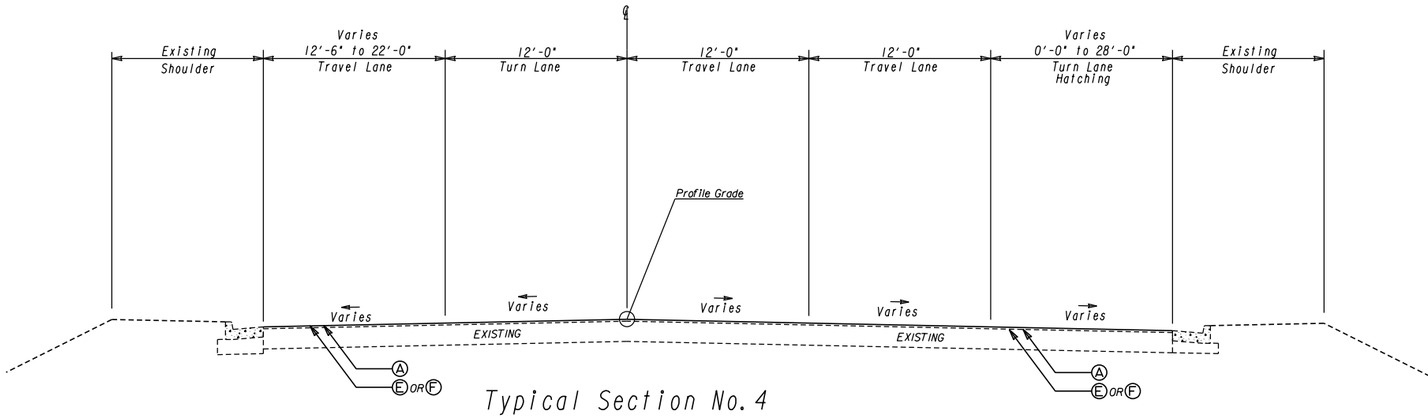


NO SCALE
CLASS "B" CONCRETE BASE FOR PAVEMENT WIDENING
Item Code 500-9999 - CY Unit of Measure

Case 1:
Where GAB is required under the new Curb and Gutter and the depth of proposed paving between the top of the GAB and the bottom of the surface course is 5 inches or greater, Class B concrete shall be placed in lieu of the paving between the GAB and surface courses specified by the typical section.

Case 2:
Where GAB is not required under the new Curb and Gutter and/or the depth of proposed paving between the top of the Base and the bottom of the surface course is less than 5 inches, Class B concrete shall be placed beneath the proposed surface course to the depth of either the bottom of the existing base course, the bottom of the Base specified by the typical section, or to a depth of 6 inches: whichever is greater.

CLASS "B" CONCRETE BASE FOR WIDENING DETAIL



Typical Section No. 4
SR 53
STA. 107+25.00 to STA. 116+60.00

REQUIRED PAVEMENT

Ⓐ RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (165 LB/SQ YD) @ 1.5 IN
Ⓑ RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SQ YD) @ 2 IN
Ⓒ RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (440 LB/SQ YD) @ 4 IN
Ⓓ GR AGGR BASE CRS, 12 INCH, INCL MATL
Ⓔ RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME
Ⓕ VARIABLE DEPTH MILLING, AS REQUIRED
Ⓖ 18 INCH TYPE II PAVEMENT REINFORCEMENT FABRIC
Ⓗ CONCRETE CURB & GUTTER, 8 IN X 30 IN, TP 2
Ⓘ DOWEL INTEGRAL CONCRETE MEDIAN WITH CONCRETE HEADER CURB, 6 IN, TP 9
Ⓙ SOD
Ⓚ 4" CONCRETE SIDEWALK

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GPLN-CE
11/05/2020

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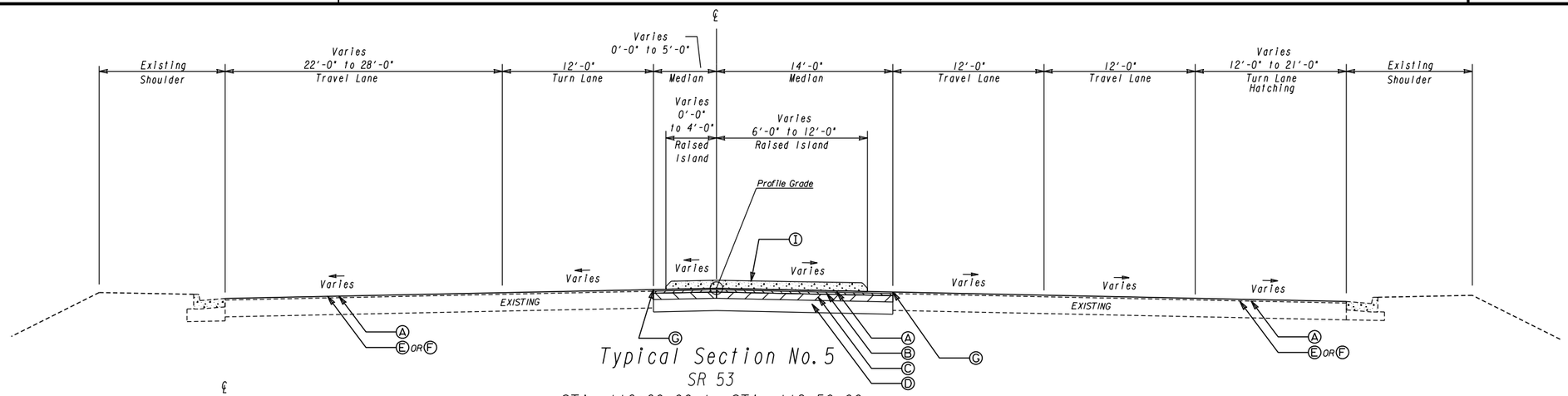
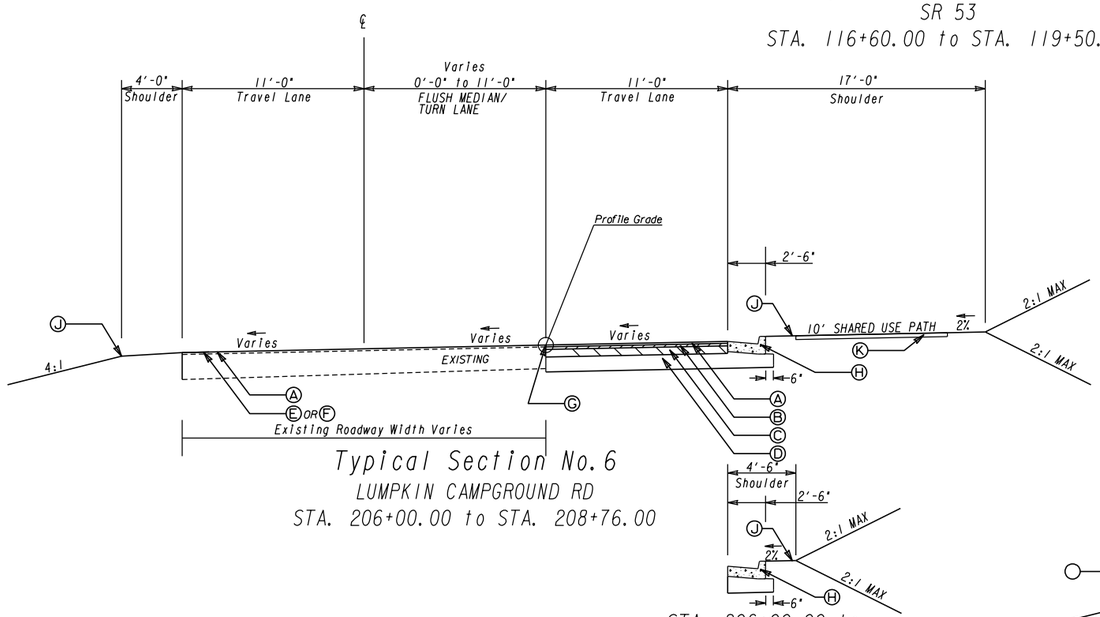
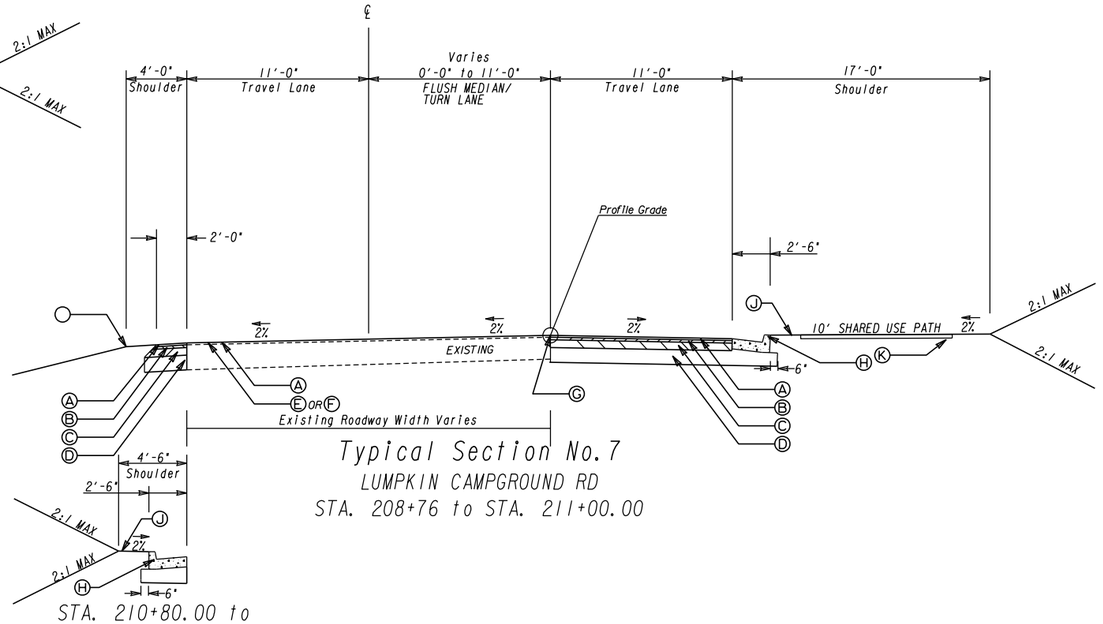


Typical Section No.5
SR 53
STA. 116+60.00 to STA. 119+50.00



Typical Section No.6
LUMPKIN CAMPGROUND RD
STA. 206+00.00 to STA. 208+76.00

STA. 206+00.00 to
STA. 206+54.16



Typical Section No.7
LUMPKIN CAMPGROUND RD
STA. 208+76 to STA. 211+00.00

STA. 210+80.00 to
STA. 211+00.00

REQUIRED PAVEMENT

Ⓐ RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (165 LB/SQ YD) @ 1.5 IN
Ⓑ RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SQ YD) @ 2 IN
Ⓒ RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (440 LB/SQ YD) @ 4 IN
Ⓓ GR AGGR BASE CRS, 12 INCH, INCL MATL
Ⓔ RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME
Ⓕ VARIABLE DEPTH MILLING, AS REQUIRED
Ⓖ 18 INCH TYPE II PAVEMENT REINFORCEMENT FABRIC
Ⓗ CONCRETE CURB & GUTTER, 8 IN X 30 IN, TP 2
Ⓘ DOWEL INTEGRAL CONCRETE MEDIAN WITH CONCRETE HEADER CURB, 6 IN, TP 9
Ⓙ SOD
Ⓚ 4" CONCRETE SIDEWALK

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

NOT TO SCALE

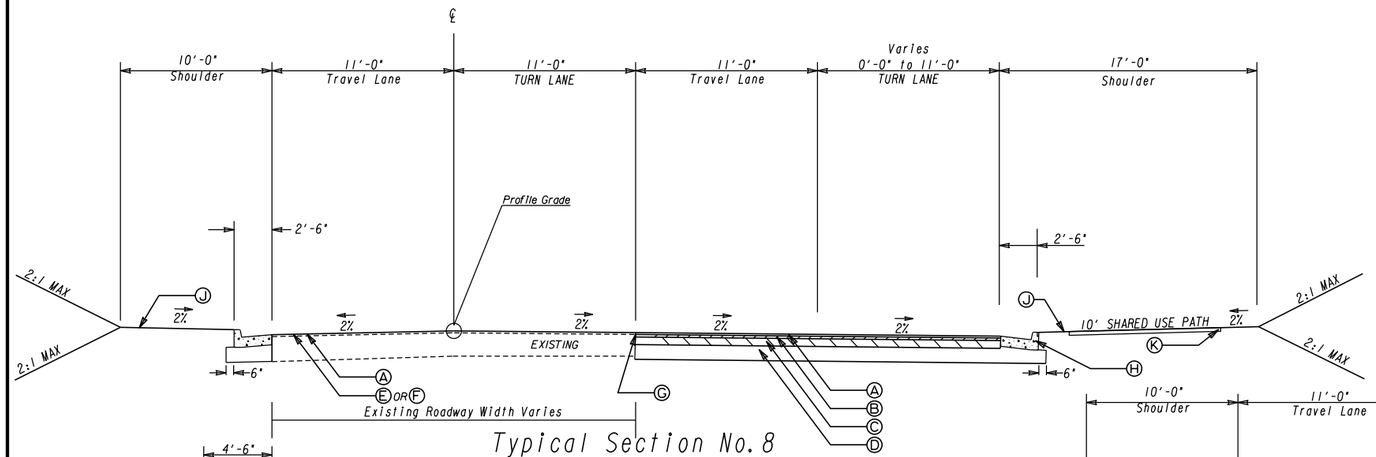
REVISION DATES

TYPICAL SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

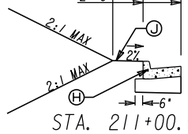
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		05-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

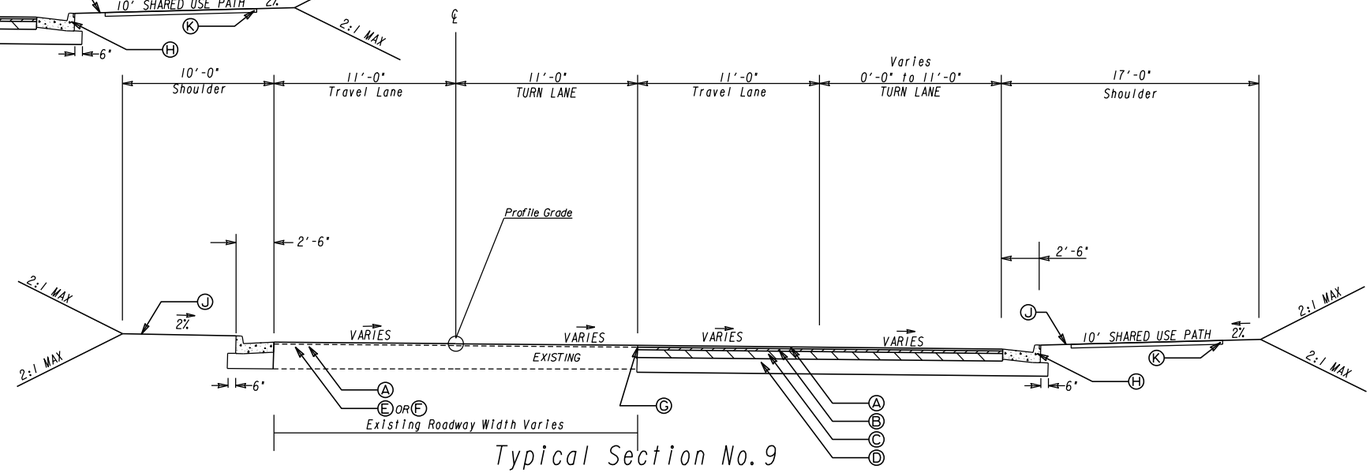
NOT RELEASED FOR CONSTRUCTION



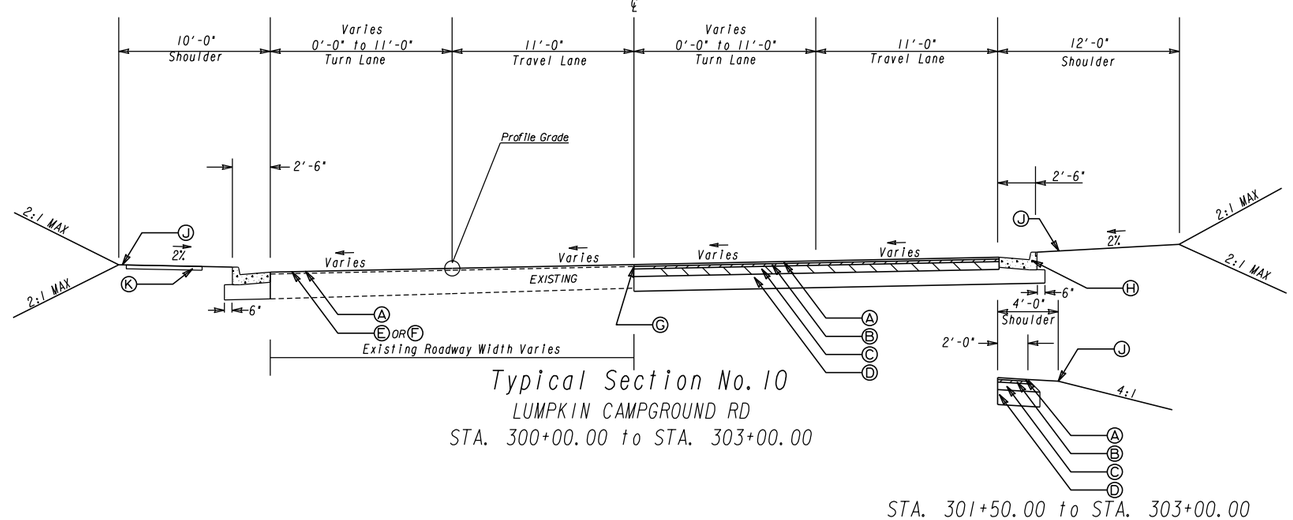
Typical Section No. 8
LUMPKIN CAMPGROUND RD
STA. 211+00.00 to STA. 212+80.00



STA. 211+00.00 to
STA. 211+66.00



Typical Section No. 9
LUMPKIN CAMPGROUND RD
STA. 218+80.00 to STA. 214+25.00



Typical Section No. 10
LUMPKIN CAMPGROUND RD
STA. 300+00.00 to STA. 303+00.00

STA. 301+50.00 to STA. 303+00.00

REQUIRED PAVEMENT

- Ⓐ RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (165 LB/SQ YD) @ 1.5 IN
- Ⓑ RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SQ YD) @ 2 IN
- Ⓒ RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (440 LB/SQ YD) @ 4 IN
- Ⓓ GR AGGR BASE CRS, 12 INCH, INCL MATL
- Ⓔ RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME
- Ⓕ VARIABLE DEPTH MILLING, AS REQUIRED
- Ⓖ 18 INCH TYPE II PAVEMENT REINFORCEMENT FABRIC
- Ⓗ CONCRETE CURB & GUTTER, 8 IN X 30 IN, TP 2
- Ⓘ DOWEL INTEGRAL CONCRETE MEDIAN WITH CONCRETE HEADER CURB, 6 IN, TP 9
- Ⓙ SOD
- Ⓚ 4" CONCRETE SIDEWALK

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

NOT TO SCALE

REVISION DATES

TYPICAL SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

NOT RELEASED FOR CONSTRUCTION

SUMMARY OF QUANTITIES

DRIVEWAY PAVEMENT QUANTITIES
(FOR INFORMATION ONLY- SEE PAVEMENT QUANTITIES)

Roadway	Sta	Side	Pvmnt Area (SF)	Valley Gutter Area (SF)	Pavement Type	Driveway Type	CONC VALLEY GUTTER, 6 IN	CONC VALLEY GUTTER, 8 IN	DRIVEWAY CONCRETE, 6 IN TK	DRIVEWAY CONCRETE, 8 IN TK
							SY	SY	SY	SY
LUMPKIN CAMPGROUND RD	206+42	RT	990	842	CONCRETE	COMMERICAL	0	94	0	110
LUMPKIN CAMPGROUND RD	207+39	LT	970	402	CONCRETE	COMMERICAL	0	45	0	108
LUMPKIN CAMPGROUND RD	211+87	RT	1140	456	CONCRETE	COMMERICAL	0	51	0	127
LUMPKIN CAMPGROUND RD	212+42	RT	1425	460	CONCRETE	COMMERICAL	0	52	0	159
LUMPKIN CAMPGROUND RD	213+36	LT	1146	279	CONCRETE	COMMERICAL	0	31	0	128

ROADWAY PAVING ITEMS

402-3130	RECYCLED ASPHALT CONCRETE 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	TN	**1000**
402-3190	RECYCLED ASPHALT CONCRETE 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	**271**
402-3121	RECYCLED ASPHALT CONCRETE 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	**542**
310-1101	GRADED AGGREGATE BASE COURSE, INCL MATL	TN	**2305**
432-0206	MILL ASPHALT CONCRETE PVMT, 1 1/2 IN DEPTH	SY	**9512**
402-1812	RECYCLED ASPHALT CONCRETE LEVELING, INCL BITUM MATL & H LIME	TN	**514**
446-1100	PAVEMENT REINFORCING STRIPS, TP 2, 18 INCH WIDTH	LF	**2570**
413-0750	TACK COAT	GAL	**1279**
441-6222	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	LF	**2870**
441-5002	CONCRETE HEADER CURB, 6 IN, TP 2	LF	**31**
441-0754	CONCRETE MEDIAN, 7 1/2 IN	SY	**206**
441-0104	CONCRETE SIDEWALK, 4 IN	SY	**1192**
441-4030	CONCRETE VALLEY GUTTER, 8 IN	SY	**242**
441-0018	DRIVEWAY CONCRETE, 8 IN THICK	SY	**504**
500-9999	CLASS B CONC, BASE OR PVMT WIDENING	CY	**63**

PERMANENT GRASSING (SOD)	
1.9	ACRES
9196	SY

NOTE:
FOR INFORMATION ONLY.

STORM DRAIN PIPES

STRUCTURE NUMBER	STATION	OFFSET SIDE	ROAD	PERMANENT STORM DRAINAGE PIPE HEIGHT OF FILL	18 IN LIN. FT.	24 IN LIN. FT.	30 IN LIN. FT.	36 IN LIN. FT.	JACK OR BORE?	CATCH BASINS GA STD	GP 1 # of CB EA	GP 1 ADDL DEPTH LF	GP 1 SPCL DES # of CB EA	GP 1 SPCL DES ADDL DEPTH LF	GP 2 # of CB EA	GP 2 ADDL DEPTH LF	GP 2 SPCL DES # of CB EA	GP 2 SPCL DES ADDL DEPTH LF	DROP INLETS GA STD	GP 1 # of DI EA	GP 1 ADDL DEPTH LF	GP 1 SPCL DES # of DI EA	GP 1 SPCL DES ADDL DEPTH LF	GP 2 # of DI EA	GP 2 ADDL DEPTH LF	GP 2 SPCL DES # of DI EA	GP 2 SPCL DES ADDL DEPTH LF
A-8	208+76	RT	SR 53	H 1-10	170					1033	1																
A-7	210+50	RT	SR 53	H 1-10	147					1033	1																
A-6	212+00	RT	SR 53	H 1-10	126					1033	1																
A-5	213+30	RT	SR 53	H 1-10	77					1033	1																
A-4	214+10	RT	SR 53	H 1-10	90														1019	1							
A-4.1	214+09.50	LT	SR 53	H 1-10	64														1019	1							
A-3	107+80.80	RT	SR 53	H 1-10	94																						
A-4.4	211+50	LT	SR 53	H 1-10	96					1033	1																
A-4.3.1	212+46.12	LT	SR53	H 1-10	8					1033	1																
A-4.3	212+50	LT	SR 53	H 1-10	76					1033	1																
A-4.2	213+30	LT	SR 53	H 1-10	76					1033	1																
B-7	104+01	LT	SR 53	H 1-10	54					1033	1																
B-6	104+60	LT	SR 53	H 1-10	94					1033	1																
B-5	105+58	LT	SR 53	H 1-10	89					1033	1																
B-4	300+50	RT	SR 53	H 1-10	55					1033	1																
B-3	107+00	LT	SR 53	H 1-10	51					1033	1																
B-5.1	300+71	LT	SR 53	H 1-10	49					1033	1																
B-5.2	302+00	LT	SR 53	H 1-10	125					1033	1																
B-2	102+76.70	LT	SR 53	H 1-10	53					1033	1																

SUMMARY OF QUANTITIES - STANDARD ROADSIDE SIGNS

ROADWAY	STATION	INSTL NO	SIGN CODE	HIGHWAY SIGNS: TP 1 MATL, REFL SHEETING TP 3 SIZE	QYT	SQ FT	TP 2 MATL, REFL SHEETING TP 3 SIZE	QYT	SQ FT	TP 1 MATL, REFL SHEETING TP 9 SIZE	QYT	SQ FT	TP 2 MATL, REFL SHEETING TP 9 SIZE	QYT	SQ FT	TP 1 MATL, REFL SHEETING TP 11 SIZE	QYT	SQ FT	TP 2 MATL, REFL SHEETING TP 11 SIZE	QYT	SQ FT	SQUARE TUBE POST: TYPE 7 LENGTH (FEET)	QYT	TOTAL LENGTH	TYPE 8 LENGTH (FEET)	QYT	TOTAL LENGTH	TYPE 9 LENGTH (FEET)	QYT	TOTAL LENGTH	BREAKAWAY SIGN SUPPORT (EACH)
SR 53	101+63.75	1	M1-5							24 x 24	1	4.00										14	1	14							
			M6-3P							21 x 15	1	2.19																			
SR 53	119+73.75	2	W4-2													36 x 36	1	9.00				15	2	30							
SR 53	121+73.75	3	W9-1													36 x 36	1	9.00				15	2	30							
TOTAL						0.00			0.00			6.19			0.00			18.00			0.00			74			0			0	0

REVISION DATES

SUMMARY QUANTITIES
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		06-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

NOT RELEASED FOR CONSTRUCTION

NSTRUCTION COST ESTIMATE - SR 53 AT LUMPKIN CAMPGROUND ROAD

GA. DOT ITEM NO.	PAY ITEMS DESCRIPTION	UNIT	QUANTITY
150-1000	TRAFFIC CONTROL - - 00031333	LS	1
153-1300	FIELD ENGINEERS OFFICE TP 3	EA	1
210-0100	GRADING COMPLETE - - 00031333	LS	1
441-0018	DRIVEWAY CONCRETE, 8 IN TK	SY	504
441-0104	CONC SIDEWALK, 4 IN	SY	1192
441-0754	CONCRETE MEDIAN, 7 1/2 IN	SY	206
441-4030	CONC VALLEY GUTTER, 8 IN	SY	242
441-5002	CONCRETE HEADER CURB, 6 IN, TP 2	LF	31
441-6222	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	LF	3000
632-0003	CHANGEABLE MESSAGE SIGN, PORTABLE, TYPE 3	EA	4
634-1200	RIGHT OF WAY MARKERS	EA	25
310-1101	GR AGGR BASE CRS, INCL MATL	TN	2305
318-3000	AGGR SURF CRS	TN	30
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	TN	514
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	542
402-3130	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	TN	1000
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2,INCL BITUM MATL & H LIME	TN	271
413-0750	TACK COAT	GL	1279
432-0206	MILL ASPH CONC PVMT, 1 1/2 IN DEPTH	SY	9512
446-1100	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	LF	2800
500-9999	CLASS B CONC, BASE OR PVMT WIDENING	CY	63
550-5180	STORM DRAIN PIPE, 18 IN, CLASS III	LF	1439
668-1100	CATCH BASIN, GP 1	EA	14
668-2100	DROP INLET, GP 1	EA	2
163-0232	TEMPORARY GRASSING	AC	1
163-0240	MULCH	TN	33
163-0301	CONSTRUCT AND REMOVE CONSTRUCTION EXITS	EA	2
163-0541	CONSTRUCT AND REMOVE ROCK FILTER DAMS	EA	14
163-0550	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	EA	50
165-0010	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	LF	1500
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	EA	2
165-0105	MAINTENANCE OF INLET SEDIMENT TRAP	EA	50
165-0110	MAINTENANCE OF ROCK FILTER DAM	EA	14
165-0310	MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA (PER EACH)	EA	2
167-1000	WATER QUALITY MONITORING AND SAMPLING	EA	3
167-1500	WATER QUALITY INSPECTIONS	MO	18
171-0010	TEMPORARY SILT FENCE, TYPE A	LF	3000
700-6910	PERMANENT GRASSING	AC	1
700-7000	AGRICULTURAL LIME	TN	6
700-8000	FERTILIZER MIXED GRADE	TN	2
700-8100	FERTILIZER NITROGEN CONTENT	LB	95
700-9300	SOD	SY	8810
611-5360	RESET HIGHWAY SIGN	EA	2
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	SF	7
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	27
636-2070	GALV STEEL POSTS, TP 7	LF	104
653-0110	THERMOPLASTIC PVMT MARKING, ARROW, TP 1	EA	7
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	27
653-0130	THERMOPLASTIC PVMT MARKING, ARROW, TP 3	EA	6
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	490
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	495
653-1906	THERMOPLASTIC SOLID TRAF STRIPE, 6 IN, WHITE	LF	7455
653-2602	THERMOPLASTIC SOLID TRAF STRIPE, 6 IN, YELLOW	LF	7080
653-2611	THERMOPLASTIC SKIP TRAF STRIPE, 6 IN, WHITE	GLF	2360
653-3602	THERMOPLASTIC SKIP TRAF STRIPE, 6 IN, YELLOW	GLF	1595
653-6004	THERMOPLASTIC TRAF STRIPING, WHITE	SY	400
653-6006	THERMOPLASTIC TRAF STRIPING, YELLOW	SY	260
654-1001	RAISED PVMT MARKERS TP 1	EA	182
654-1003	RAISED PVMT MARKERS TP 3	EA	164
656-0050	REMOVE EXIST SOLID TRAF STRIPE, 5 IN, THERMOPLASTIC	LF	4250
656-5000	REMOVE EXIST TRAF MARKINGS - - 0003133	EA	11
647-1000	TRAFFIC SIGNAL INSTALLATION NO - - 00031333	LS	1

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

REVISION DATES

DETAILED ESTIMATE
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED DATE
BACKCHECKED DATE
CORRECTED DATE
VERIFIED DATE

DRAWING NO. 09-0001

DAWSON COUNTY

Project No. 00031333

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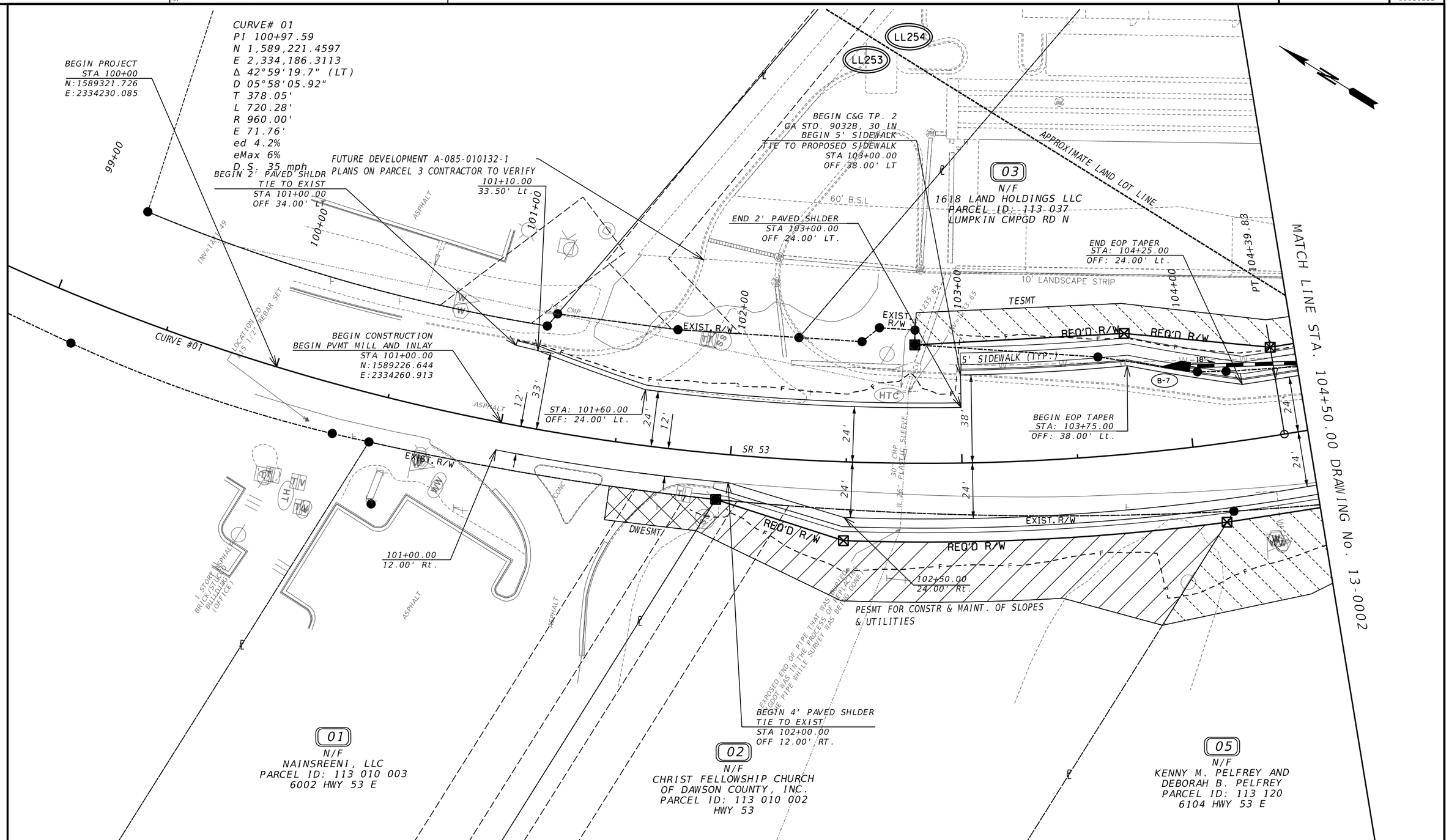

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
EXISTING LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS	
EXISTING LIMIT OF ACCESS & R/W	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA	

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

DRAWING No. 13-0001

GPLN-CE
11/05/2020

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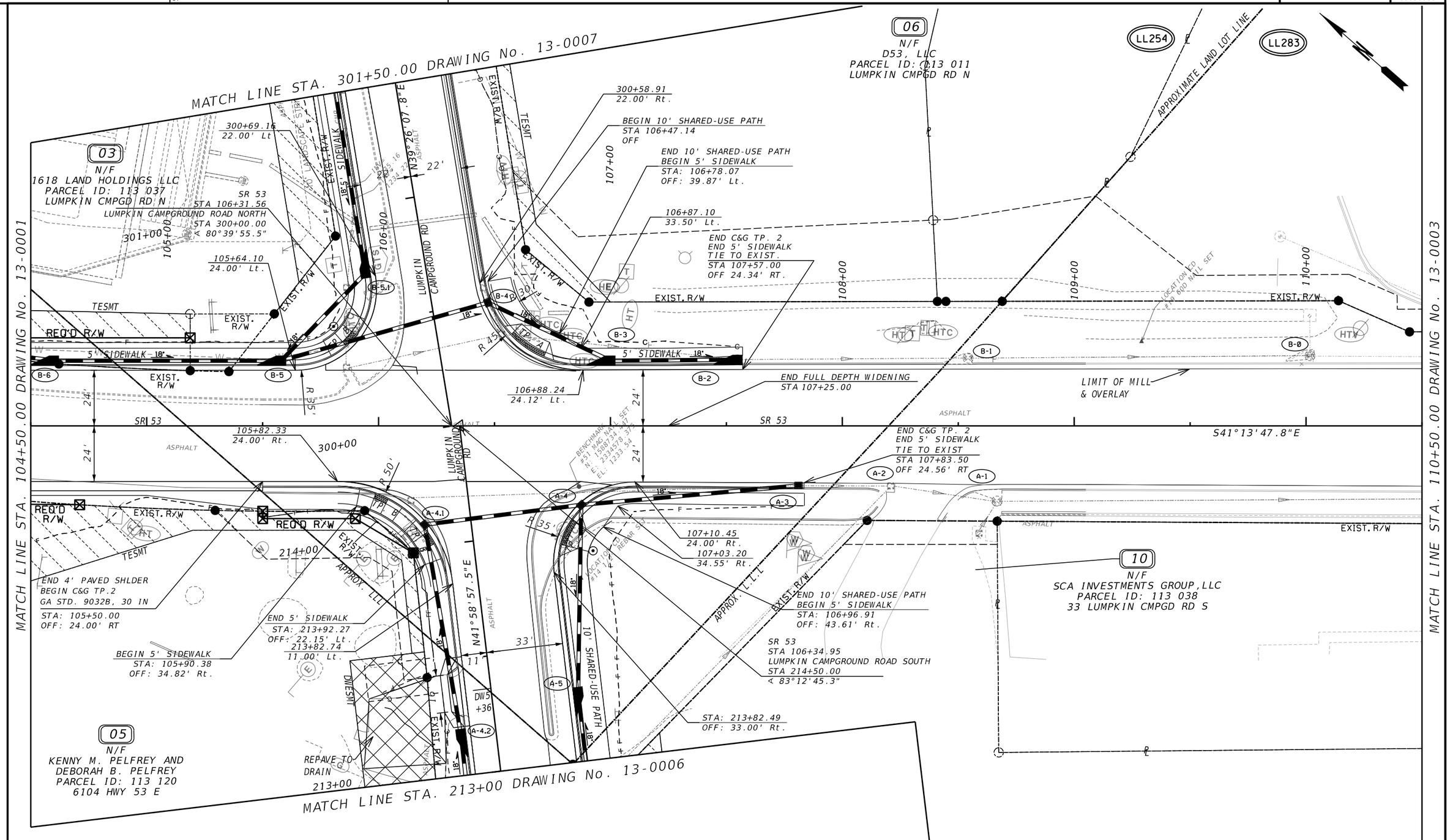
Adan.Gonzalez gplotborder-ORD.tbl

DAWSON COUNTY | Project No. 00031333

NOT RELEASED FOR CONSTRUCTION



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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
EXISTING LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS	
EXISTING LIMIT OF ACCESS & R/W	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA	

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

DRAWING No. 13-0002

GPLN-CE 11/05/2020

NOT RELEASED FOR CONSTRUCTION

MATCH LINE STA. 110+50.00 DRAWING No. 13-0002

111+00 112+00 113+00 114+00 115+00 116+00

EXIST. R/W

LIMIT OF MILL & OVERLAY

SR 53

S41°13'47.8"E

LIMIT OF MILL & OVERLAY

A-0

EXIST. R/W

℄

℄

MATCH LINE STA. 116+50.00 DRAWING No. 13-0004

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

Dawson County Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

GPLN-CE 11/05/2020

NOT RELEASED FOR CONSTRUCTION

MATCH LINE STA. 116+50.00 DRAWING No. 13-0003

117+00 118+00 119+00 120+00 121+00 122+00

LIMIT OF FULL DEPTH
STA: 116+60.00
OFF: 4.00' Lt.

BEGIN CONC MEDIAN
TP. 7 CURB FACE
DOWELED IN, 7.5 IN
STA 117+80.41

STA: 117+83.34
OFF: 0.17' Rt.

LIMIT OF MILL
& OVERLAY

LIMIT OF FULL DEPTH
STA: 119+50.00
OFF: 5.00' Lt.

END MEDIAN
TIE TO EXIST
STA: 119+50.00
OFF: 4.28' Lt.

SR 53

S41°13'47.8"E

R=?

REMOVE EXISTING MEDIAN

STA: 117+83.31
OFF: 6.16' Rt.

LIMIT OF FULL DEPTH
STA: 116+60.00
OFF: 14.00' Rt.

BEGIN FULL DEPTH
STA 116+60.00

END CONSTRUCTION
END MEDIAN
END FULL DEPTH
END PVMT MILLING
AND OVERLAY
STA 119+50.00
N:1587801.387
E:2335430.802

END MEDIAN
TIE TO EXIST
STA: 119+50.00
OFF: 11.72' Rt.

LIMIT OF FULL DEPTH
STA: 119+50.00
OFF: 14.00' Rt.

END PROJECT
STA 122+50
N:1587575.527
E:2335628.527

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

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SCALE IN FEET
0 20 40 80

REVISION DATES

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SR 53 @ LUMPKIN CAMPGROUND ROAD
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DRAWING No. 13-0004

GPLN-CE
11/05/2020

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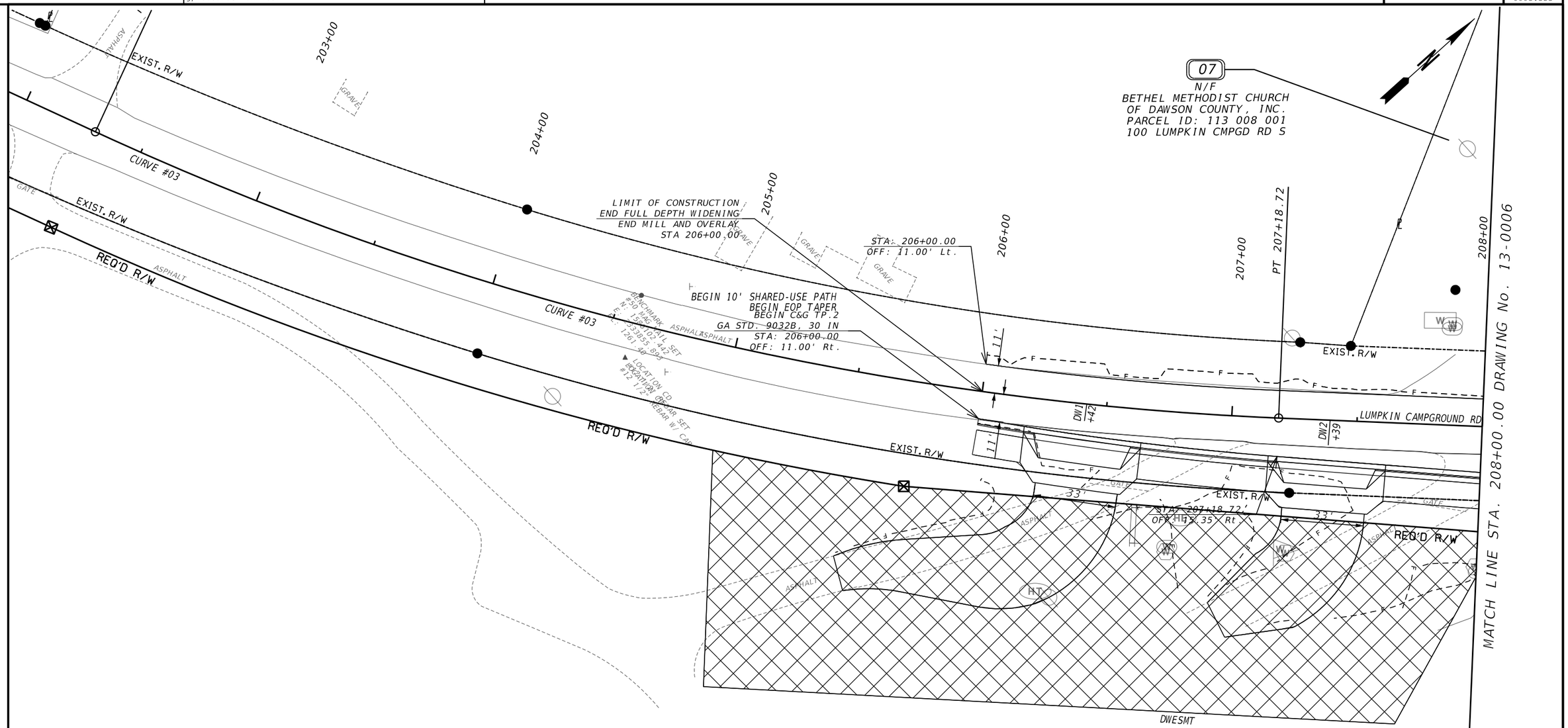


CURVE# 03
PI 204+77.57
N 1,588,081.7594
E 2,333,889.1613
Δ 22°23'48.8" (LT)
D 04°35'01.18"
T 247.47'
L 488.62'
R 1250.00'
E 24.26'
ed Match Exist.
D.S. 45 mph

08
N/F
LUMPKIN CAMPGROUND, INC.
PARCEL ID: 113 008 003
LUMPKIN CMPGD RD S

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

Dawson County Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		13-0005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

CURVE# 04
PI 211+32.48
N 1,588,554.3304
E 2,334,351.6511
Δ 02°23'58.8" (LT)
D 00°43'40.90"
T 164.83'
L 329.61'
R 7870.00'
E 1.73'
ed Match Exist.
D.S. 45 mph

07
N/F
BETHEL METHODIST CHURCH OF DAWSON COUNTY, INC.
PARCEL ID: 113 008 001
100 LUMPKIN CMPGD RD S

LL284

LL253

05
N/F
KENNY M. PELFREY AND DEBORAH B. PELFREY
PARCEL ID: 113 120
6104 HWY 53 E

APPROXIMATE LAND LOT LINE

DO NOT DISTURB SIGN
GRADE AROUND BASE TO DRAIN

END HEADER CURB
BEGIN C&G TP.2
GA STD. 9032B, 24 IN
STA: 212+01.00
OFF: 36.00' Lt.

212+15.00
36.00' Lt.

212+28.00
25.00' Lt.

212+47.50
23.00' Lt.
END C&G TP.2
GA STD. 9032B, 24 IN
STA: 212+52.00
OFF: 37.50' Lt.

BEGIN HEADER CURB
STA: 212+01.00
OFF: 23.50' Lt.

BEGIN C&G TP. 2
GA STD. 9032B, 30 IN
STA: 210+80.00
OFF: 11.00' Lt.

MATCH LINE STA. 208+00.00 DRAWING No. 13-0005

208+00
209+00
PC 209+67.65
210+00
211+00
212+00
213+00

EXIST. R/W
ASPHALT
N44°22'56.3"E
CURVE #04
LUMPKIN CAMPGROUND,RD
PT 212+97.26
A-4.5
A-4.4
A-4.3
A-4.3.1
A-8
A-7
A-6
10' SHARED-USE PATH
REQ'D R/W
EXIST. R/W
DWESMT
TESMT
CONCRETE
10" CMP CONNECTS TO 15" RCP UNDERGROUND (CONFIRMED BY SOUND TEST)
1 STORY BRICK BUILDING (OFFICE)
DO NOT DISTURB TREE
18"
15" CPP
22'
11'
33'
50'
STA: 211+00.00
OFF: 22.00' Rt.
STA: 211+50.00
OFF: 33.00' Rt.
END EOP TAPER
STA: 209+00.00
OFF: 22.00' Rt.

MATCH LINE STA. 213+00.00 DRAWING No. 13-0002

08
N/F
LUMPKIN CAMPGROUND, INC.
PARCEL ID: 113 008 003
LUMPKIN CMPGD RD S

09
N/F
LUMPKIN CAMPGROUND, INC.
PARCEL ID: 113 008 003(PORTION)
LUMPKIN CMPGD RD

10
N/F
SCA INVESTMENTS GROUP,LLC
PARCEL ID: 113 038
33 LUMPKIN CMPGD RD S

APPROXIMATE LAND LOT LINE

LL284
LL283

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

Dawson County Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

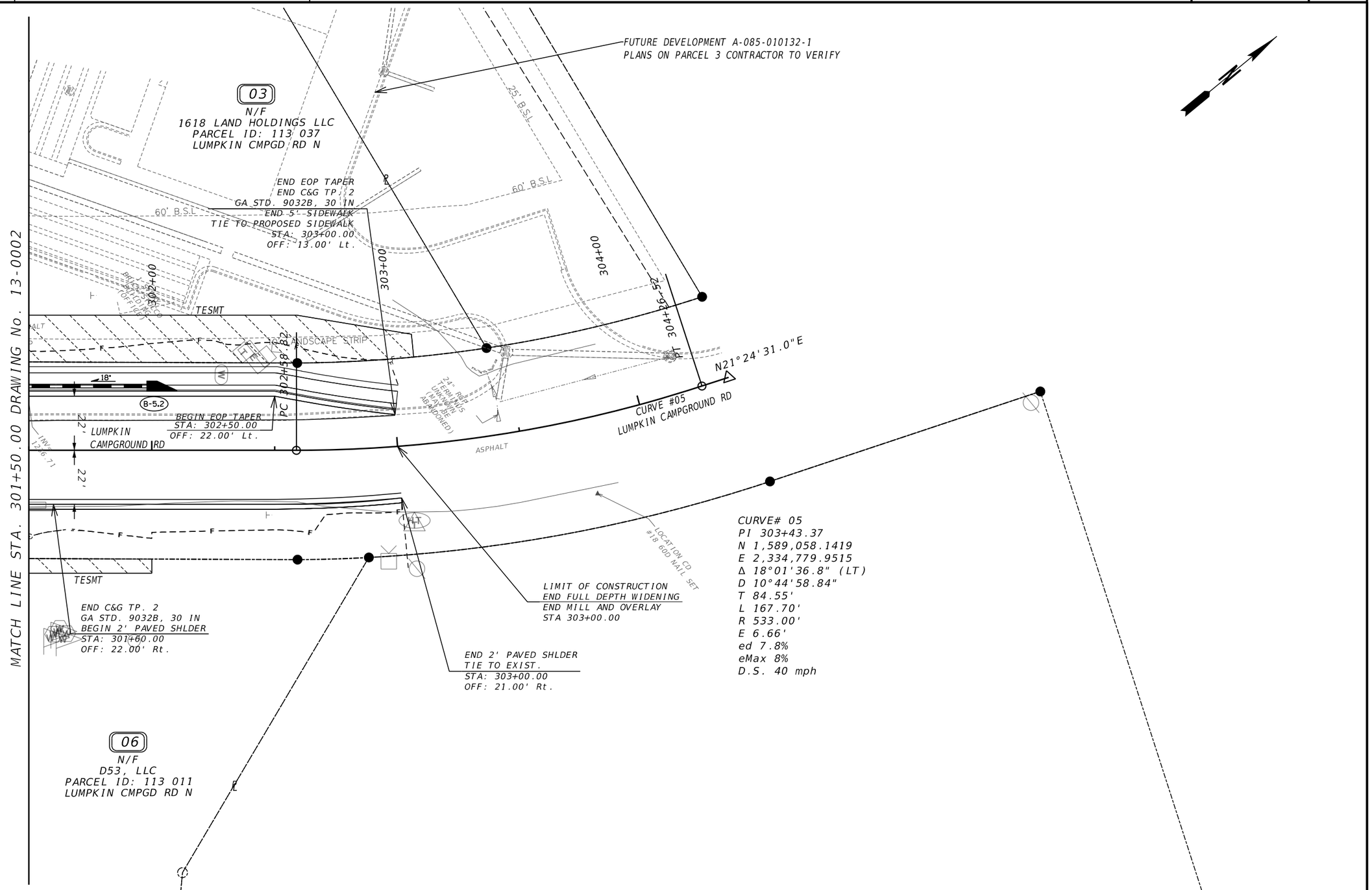
REVISION DATES

CONSTRUCTION PLANS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		13-0006
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

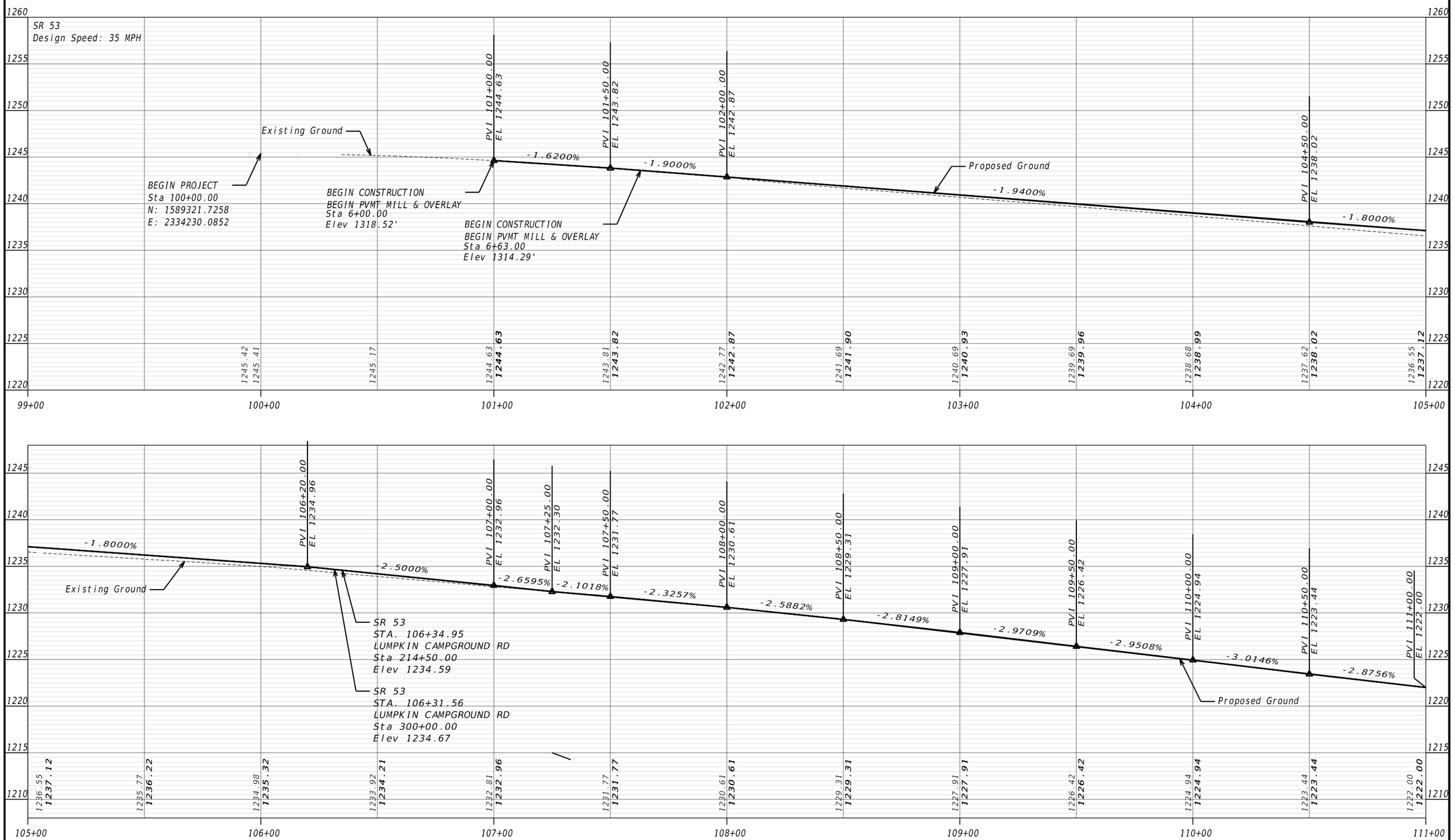
REVISION DATES

CONSTRUCTION PLANS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		13-0007
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 10' HORIZONTAL 1" = 40'

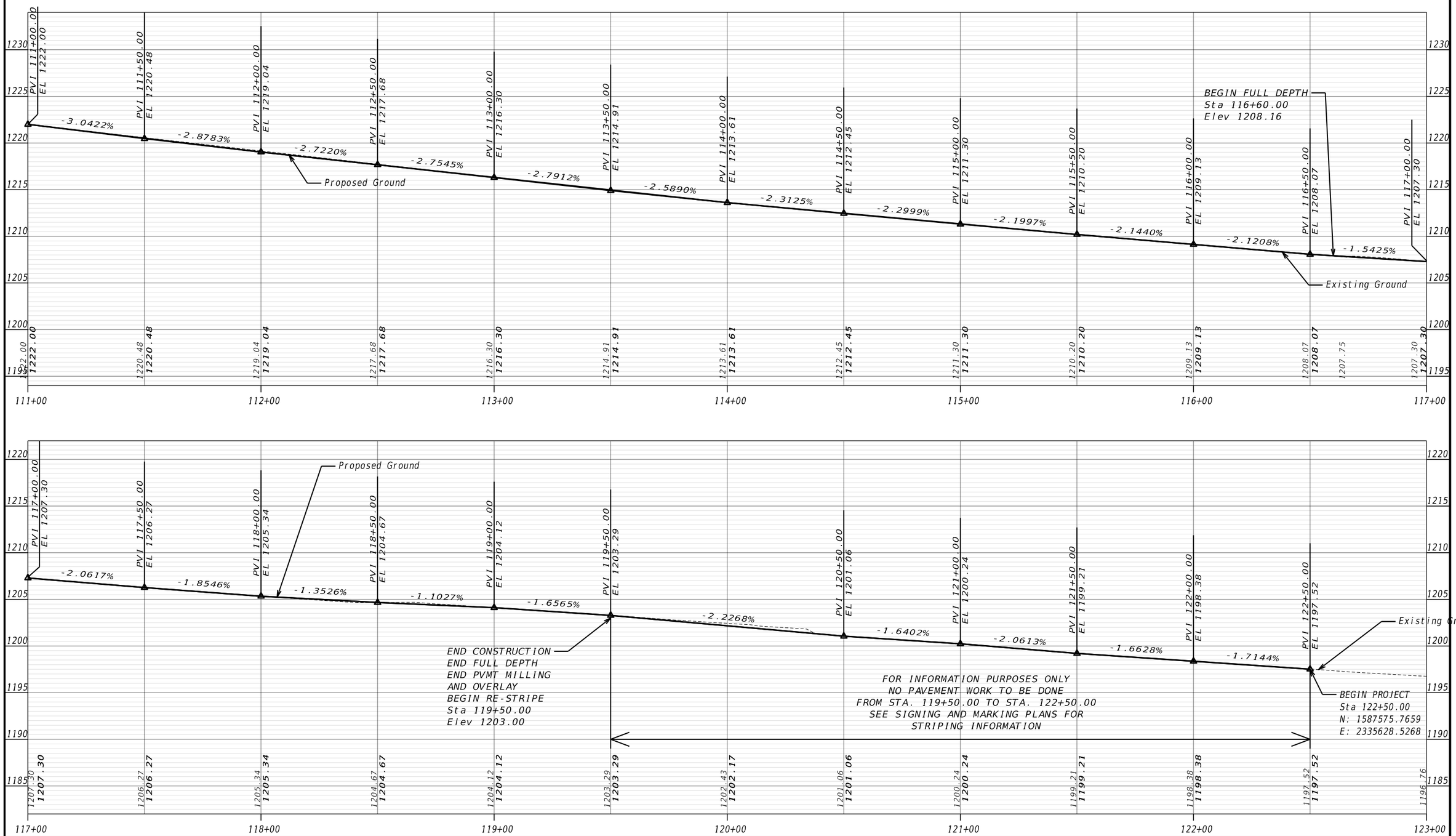
REVISION DATES

MAINLINE PROFILE
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 10' HORIZONTAL 1" = 40'

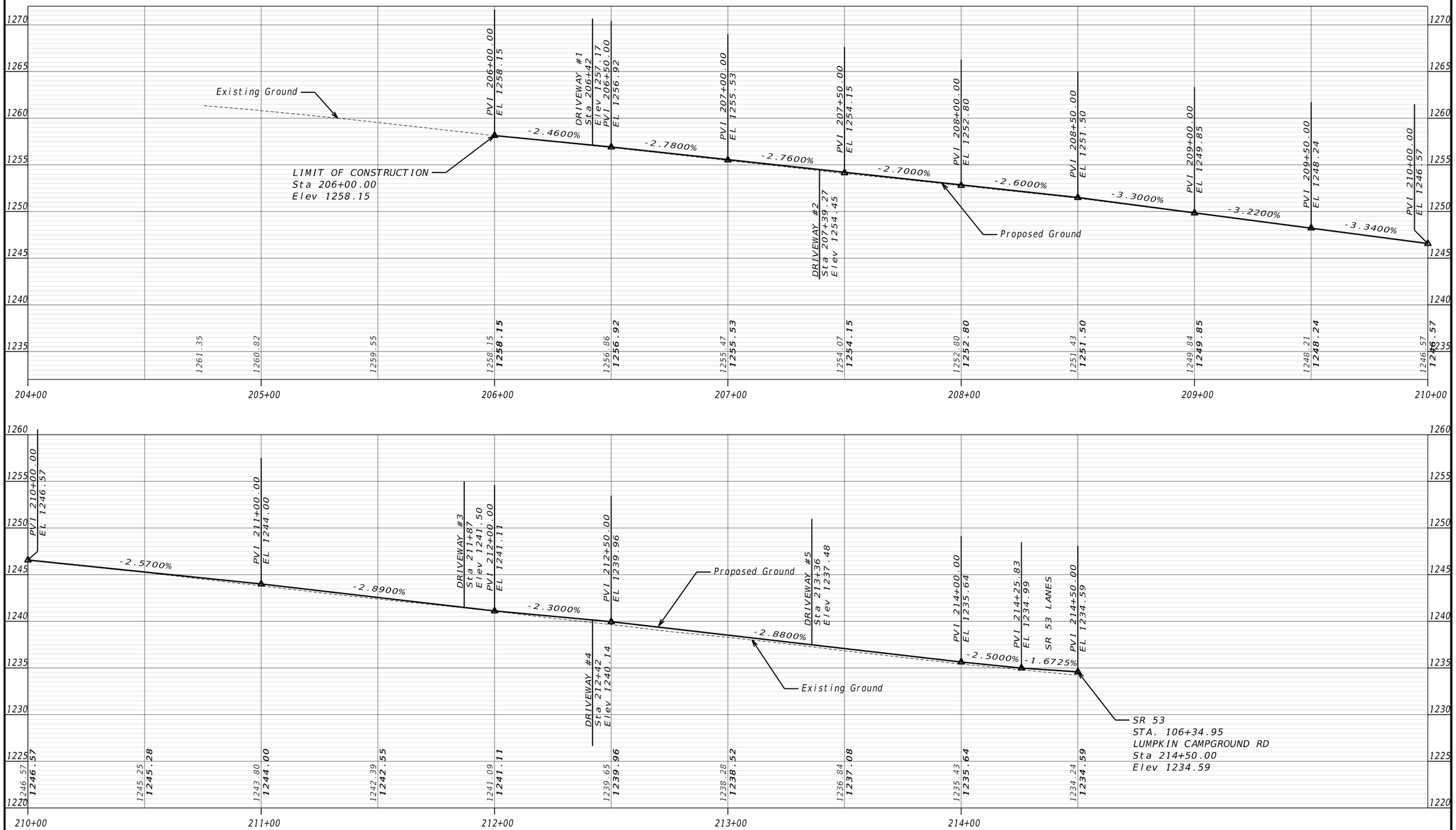
REVISION DATES

MAINLINE PROFILE
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



DAWSON COUNTY Est. 1857 — Where Quality of Life Matters

KCI

VERTICAL 1" = 10' HORIZONTAL 1" = 40'

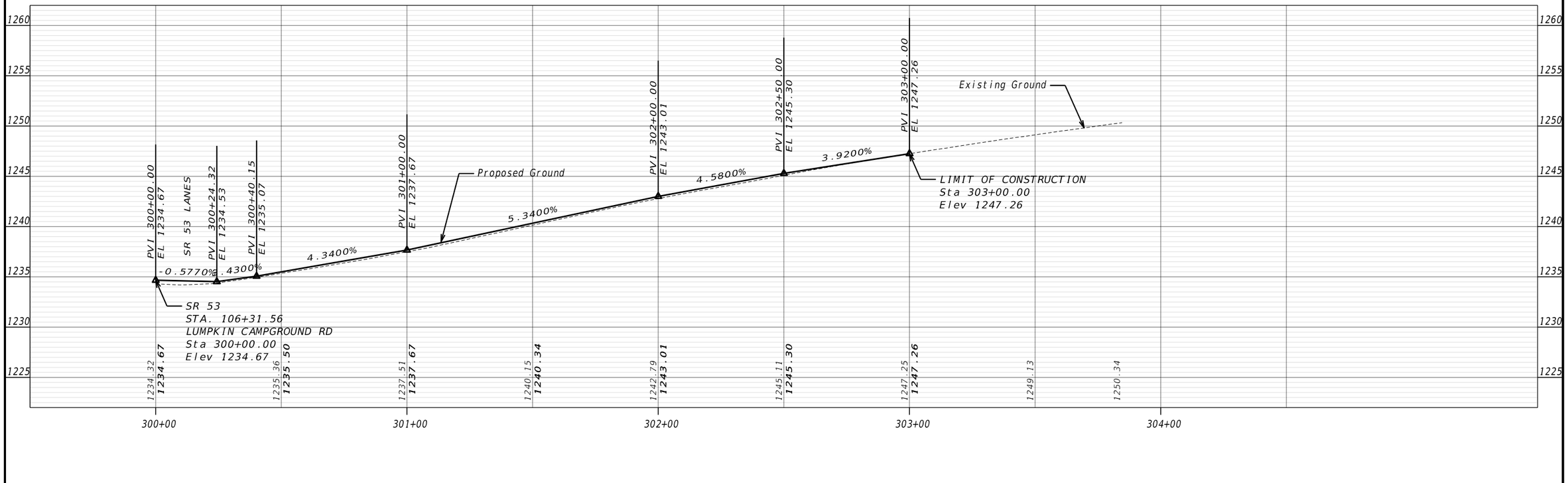
REVISION DATES

CROSSROAD PROFILE
SR 53 @ LUMPKIN CAMPGROUND ROAD INTERSECTION IMPROVEMENTS

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

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 10' HORIZONTAL 1" = 40'

REVISION DATES

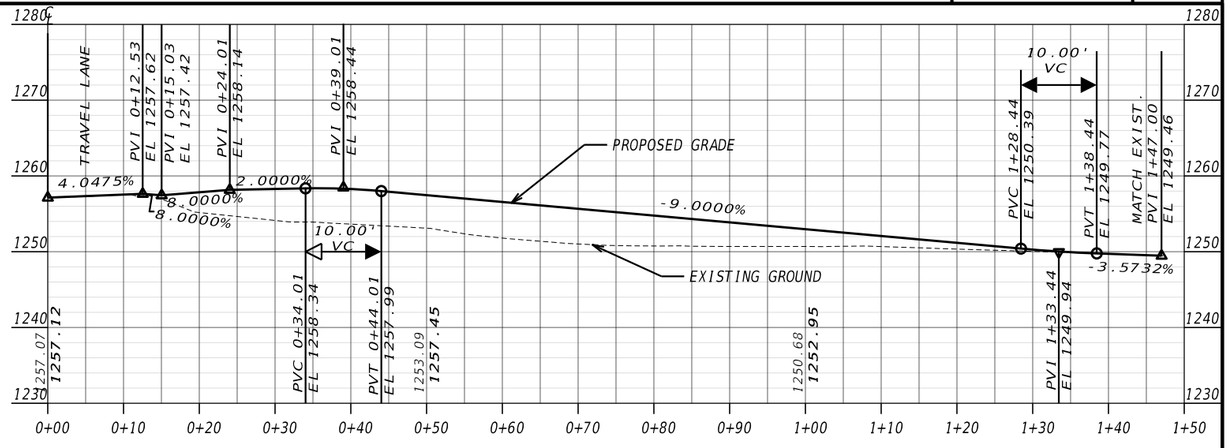
CROSSROAD PROFILE
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

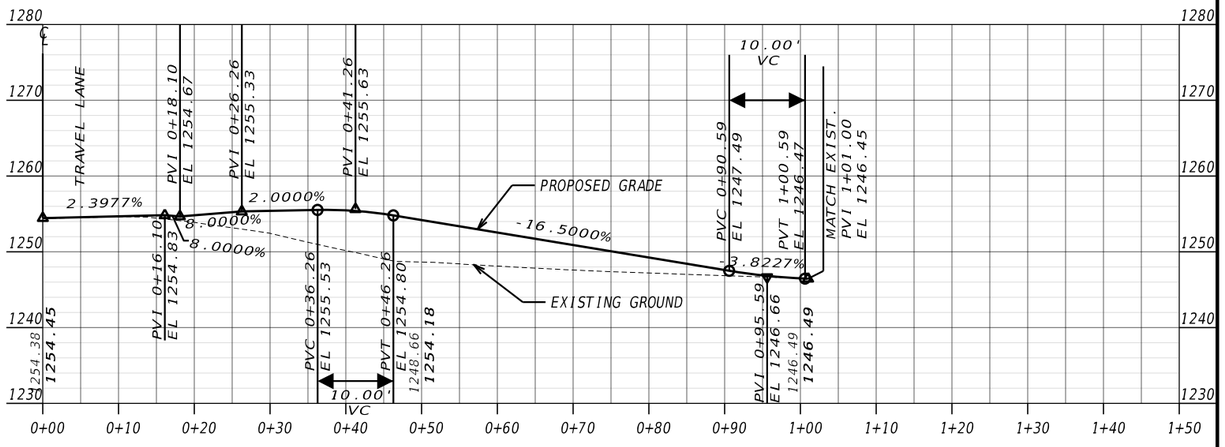
GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

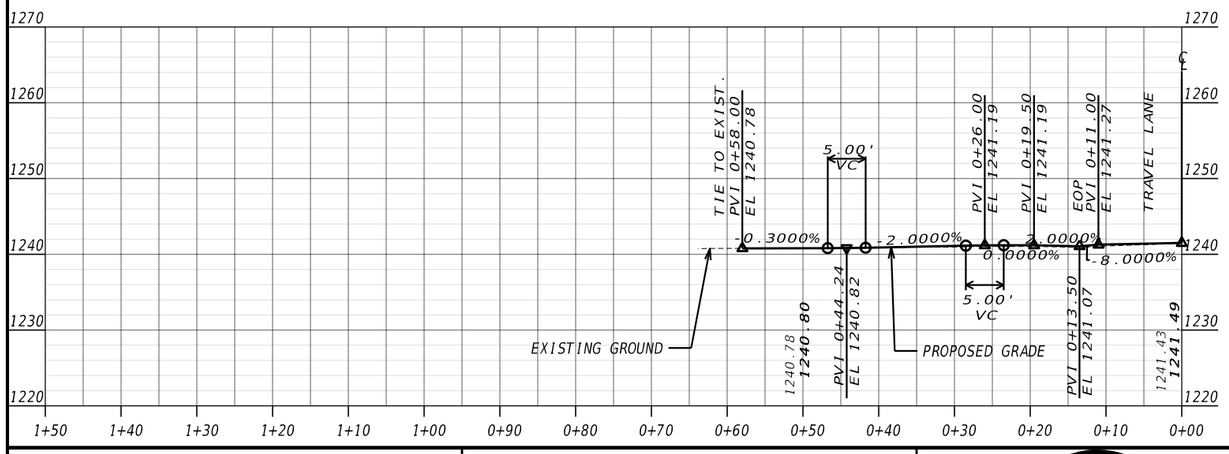
DRIVEWAY #1
STA. 206+42.00 RT
CONCRETE
GDOT DETAIL A-1
CONC VALLEY GUTTER



DRIVEWAY #2
STA. 207+39.27 RT
CONCRETE
GDOT DETAIL A-1
CONC VALLEY GUTTER



DRIVEWAY #3
STA. 211+87.00 LT
CONCRETE/ASPHALT
GDOT DETAIL A-1
CONC VALLEY GUTTER



DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 20' HORIZONTAL 1" = 20'

REVISION DATES

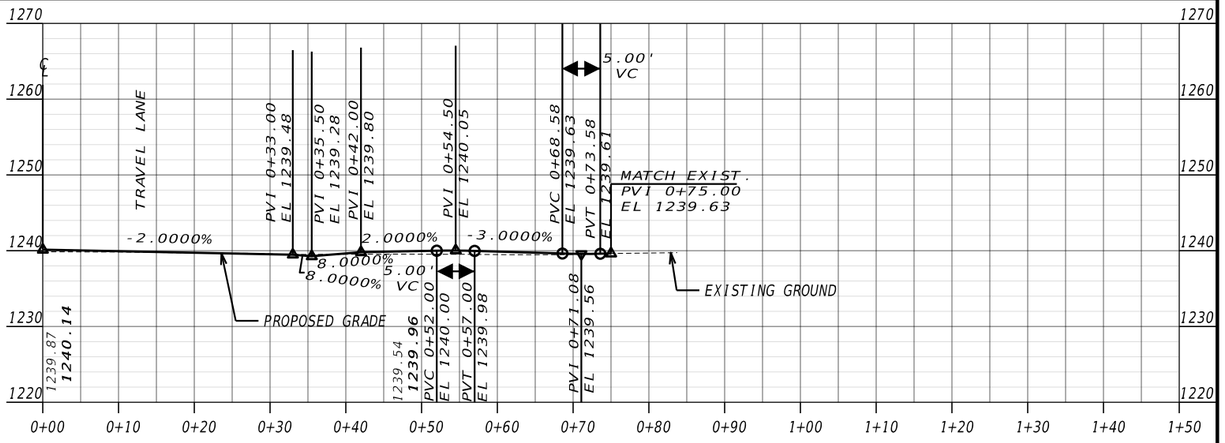
DRIVEWAY PROFILES
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		17-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

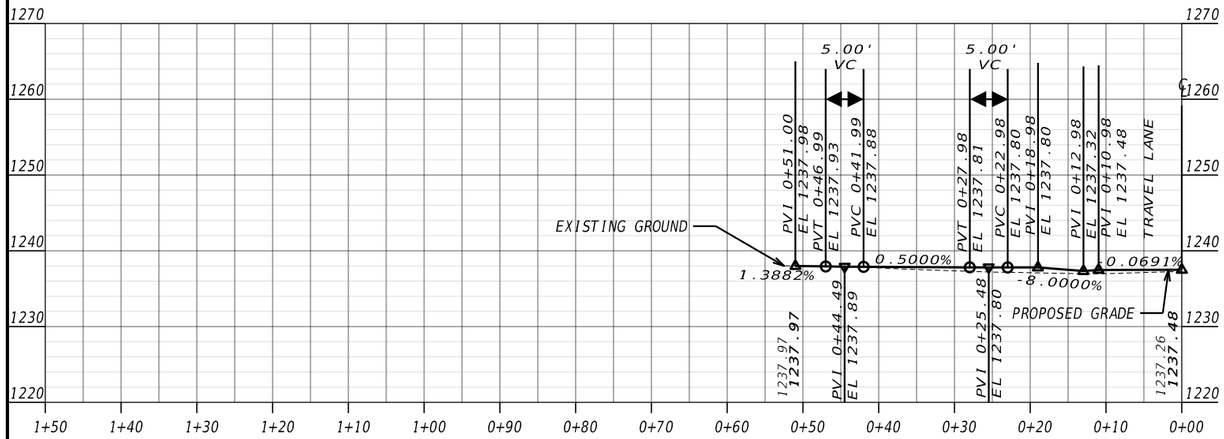
GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

DRIVEWAY #4
STA. 212+42.00 RT
CONCRETE/ASPHALT
GDOT DETAIL A-1
CONC VALLEY GUTTER



DRIVEWAY #5
STA. 213+36.00 LT
CONCRETE/ASPHALT
GDOT DETAIL A-1
CONC VALLEY GUTTER



DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

DRIVEWAY PROFILES
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		17-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

STRUCTURE ID	SIZE	STRUCTURE TYPE	LOCATION			DRAINAGE AREA (AC)	DISTURBED AREA (AC)	Q_{pre} (10) CFS	Q (10) CFS	Q_{pre} (50) CFS	Q (50) CFS	V_{pre} (10) FPS	V (10) FPS	V_{pre} (50) FPS	V (50) FPS	C_{pre}	C	GUTTER SPREAD (FT)
			ROAD	STATION	OFFSET	SIDE												
A-8	18	1033	Lumpkin Campground Rd	208+76.00	25.29	RT	0.12	0.09	N/A	0.92	N/A	0.92	N/A	5.04	N/A	5.04	0.83	1.99
A-7	18	1033	Lumpkin Campground Rd	210+50.00	26.17	RT	0.22	0.11	N/A	1.24	N/A	1.64	N/A	6.48	N/A	6.80	0.71	3.61
A-6	18	1033	Lumpkin Campground Rd	212+00.00	37.17	RT	0.31	0.09	N/A	1.36	N/A	1.79	N/A	7.46	N/A	7.90	0.54	3.60
A-5	18	1033	Lumpkin Campground Rd	213+30.00	37.17	RT	0.39	0.06	N/A	2.10	N/A	2.78	N/A	8.49	N/A	9.04	0.68	5.20
A-4.6	15	OPEN PIPE	Lumpkin Campground Rd	210+22.75	15.26	LT	2.26	0.02	3.06	1.20	4.05	1.59	7.02	5.36	10.67	5.83	0.41	0.69	N/A
A-4.5	15	1019	Lumpkin Campground Rd	210+74.31	15.42	LT	0.13	0.00	0.99	0.99	1.31	1.31	8.08	6.80	8.61	7.31	0.93	0.93	2.47
A-4.4	18	1033	Lumpkin Campground Rd	211+50.00	15.17	LT	0.14	0.01	N/A	0.58	N/A	0.77	N/A	6.42	N/A	6.93	N/A	0.53	1.80
A-4.3.1	18	1019	Lumpkin Campground Rd	212+46.12	22.51	LT	0.05	0.00	N/A	0.37	N/A	0.49	N/A	3.73	N/A	4.07	N/A	0.95	0.93
A-4.3	18	1033	Lumpkin Campground Rd	212+50.00	15.17	LT	0.10	0.01	0.69	0.56	0.91	0.74	8.14	6.97	8.63	7.51	0.82	0.68	1.82
A-4.2	18	1033	Lumpkin Campground Rd	212+18.00	15.23	LT	0.13	0.01	N/A	0.85	N/A	1.12	N/A	7.38	N/A	7.95	N/A	0.82	3.78
A-4.1	18	1033	Lumpkin Campground Rd	214+09.50	20.00	LT	0.15	0.03	N/A	0.65	N/A	0.86	N/A	7.65	N/A	8.22	N/A	0.55	1.90
A-4	18	1019	Lumpkin Campground Rd	214+10.00	48.00	RT	0.08	0.04	N/A	0.54	N/A	0.72	N/A	8.80	N/A	8.92	N/A	0.89	1.64
A-3	18	1019	SR 53	107+80.80	25.73	RT	0.06	0.00	0.71	0.40	0.93	0.52	8.46	9.53	8.95	9.84	0.79	0.77	1.49
A-2	18	1019	SR 53	108+20.81	25.88	RT	0.52	0.00	1.36	2.46	1.80	3.25	12.79	13.27	13.49	13.99	0.39	0.59	5.44
B-7	18	1033	SR 53	104+01.00	35.00	LT	0.28	0.09	N/A	1.57	N/A	2.07	N/A	5.46	N/A	5.90	N/A	0.69	4.27
B-6	18	1033	SR 53	104+60.00	28.17	LT	0.12	0.03	N/A	0.55	N/A	0.73	N/A	5.37	N/A	5.80	N/A	0.59	2.09
B-5.2	18	1033	Lumpkin Campground Rd	302+00.00	26.17	LT	0.16	0.06	N/A	2.05	N/A	1.37	N/A	6.45	N/A	7.03	N/A	0.8	2.05
B-5.1	18	1033	Lumpkin Campground Rd	300+71.00	26.17	LT	0.29	0.06	N/A	1.85	N/A	2.44	N/A	5.48	N/A	5.92	N/A	0.8	6.54
B-5	18	1033	SR 53	105+58.00	28.17	LT	0.25	0.06	N/A	1.30	N/A	1.71	N/A	6.65	N/A	7.09	N/A	0.65	4.81
B-4	18	1033	Lumpkin Campground Rd	300+50.00	23.91	RT	0.17	0.06	N/A	0.47	N/A	0.62	N/A	7.36	N/A	7.86	N/A	0.34	1.50
B-3	18	1033	SR 53	107+00.00	28.17	LT	0.23	0.04	N/A	1.57	N/A	2.07	N/A	8.63	N/A	9.19	N/A	0.84	6.36
B-2	18	1033	SR 53	107+54.68	28.56	LT	0.21	0.00	2.22	1.54	2.93	2.03	10.49	10.90	11.12	11.62	0.93	0.93	4.07
C-1	30	OPEN PIPE	SR 53	102+76.70	31.15	LT	1.88	0.04	3.99	4.10	5.28	5.42	N/A	N/A	N/A	N/A	0.54	0.57	N/A

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 150 300 600

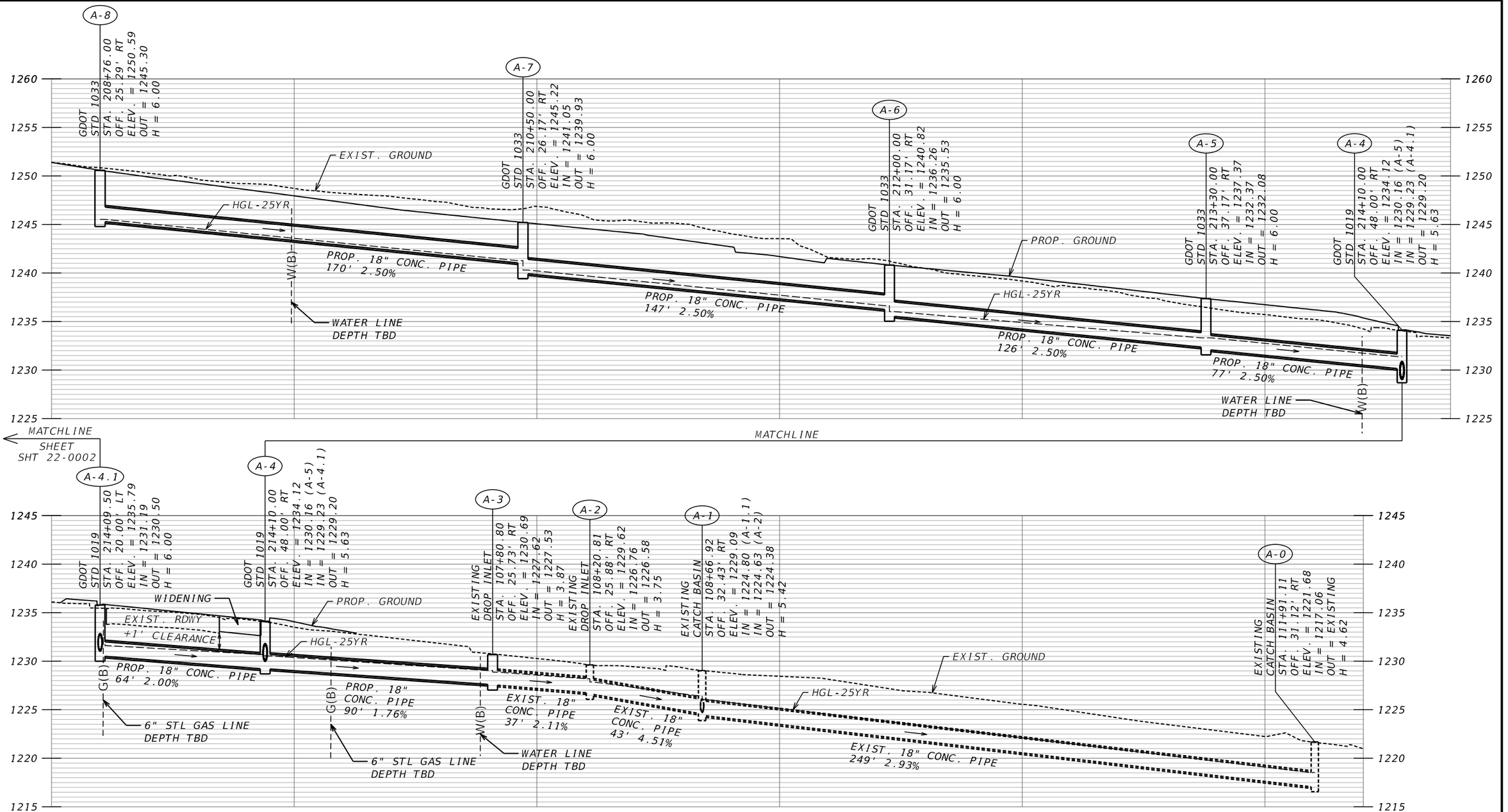
REVISION DATES

DRAINAGE AREA MAP
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 10' HORIZONTAL 1" = 40'

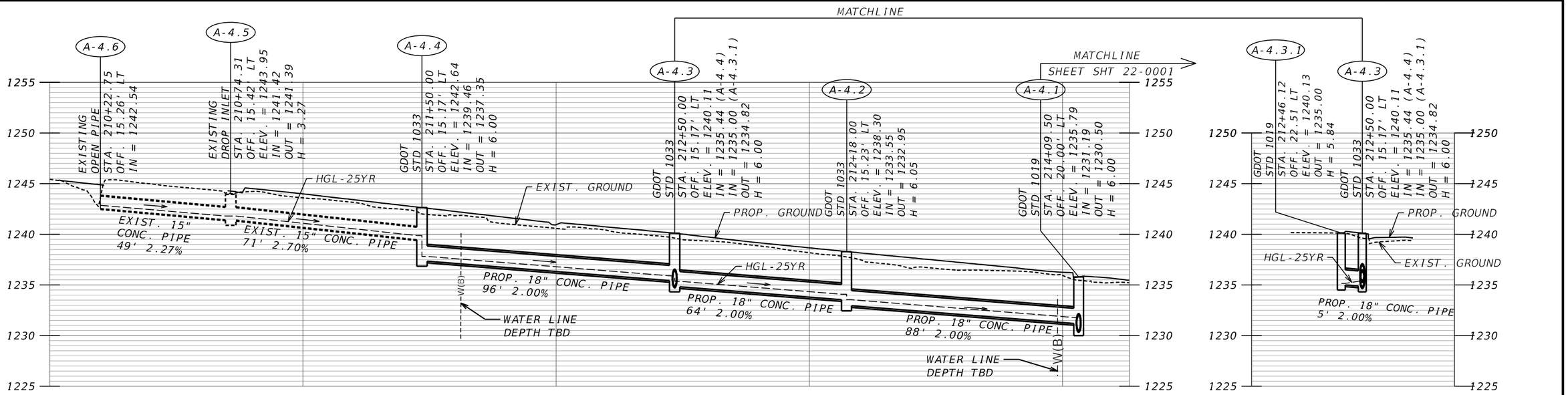
REVISION DATES		

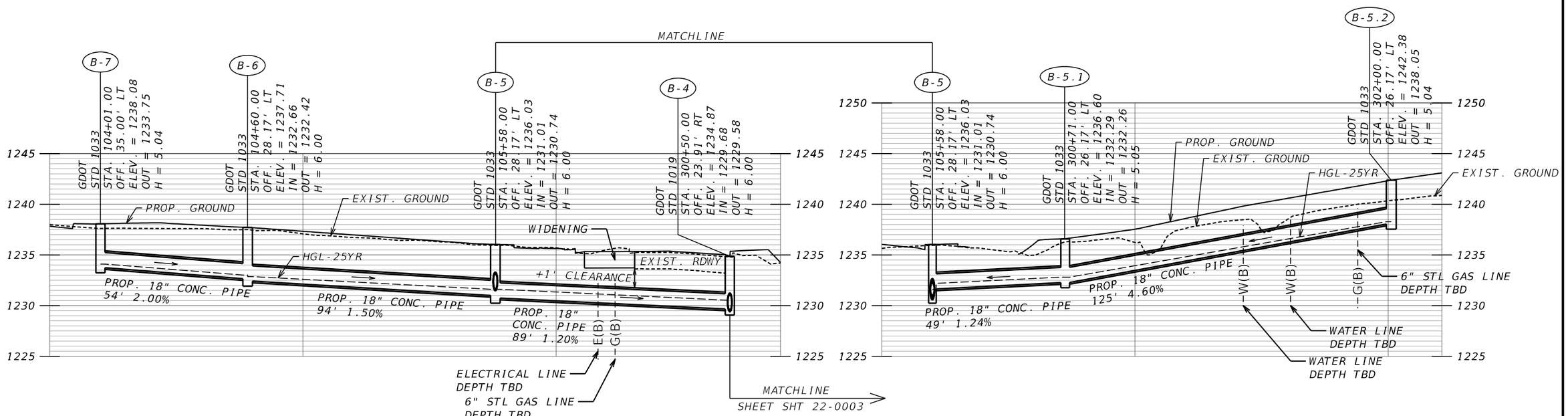
DRAINAGE PROFILES
SR 53 @ LUMPKIN CAMPGROUND ROAD INTERSECTION IMPROVEMENTS

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

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION





DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 10' HORIZONTAL 1" = 40'

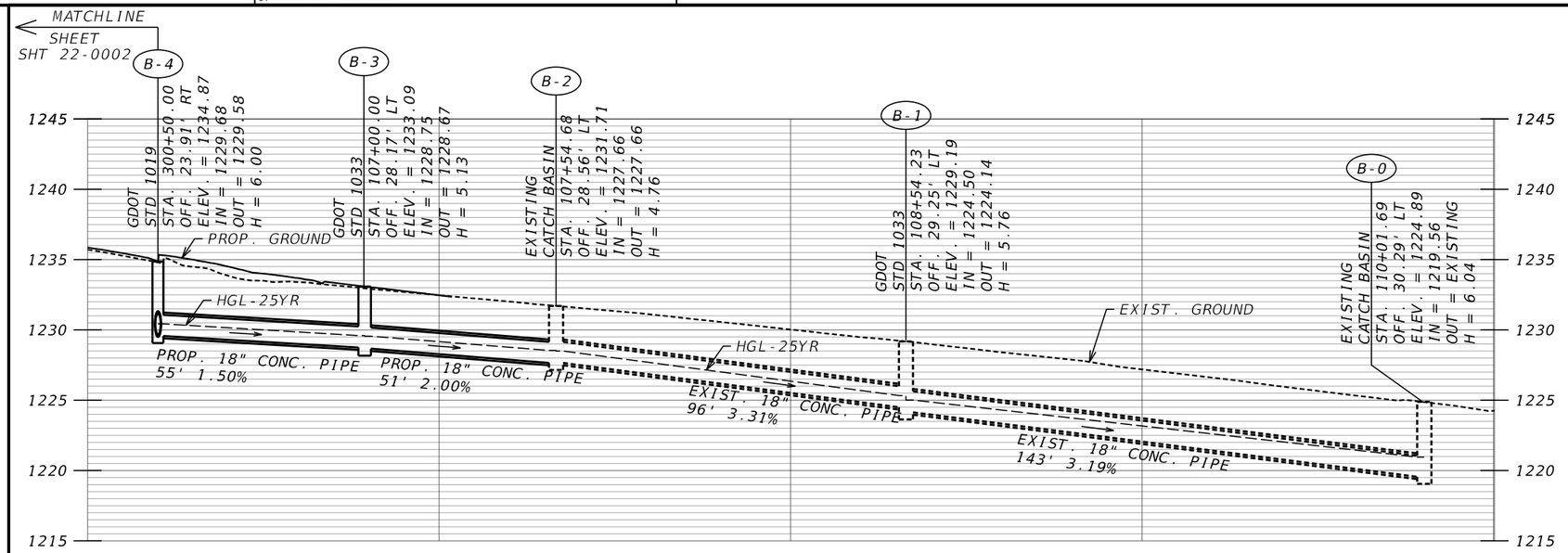
REVISION DATES

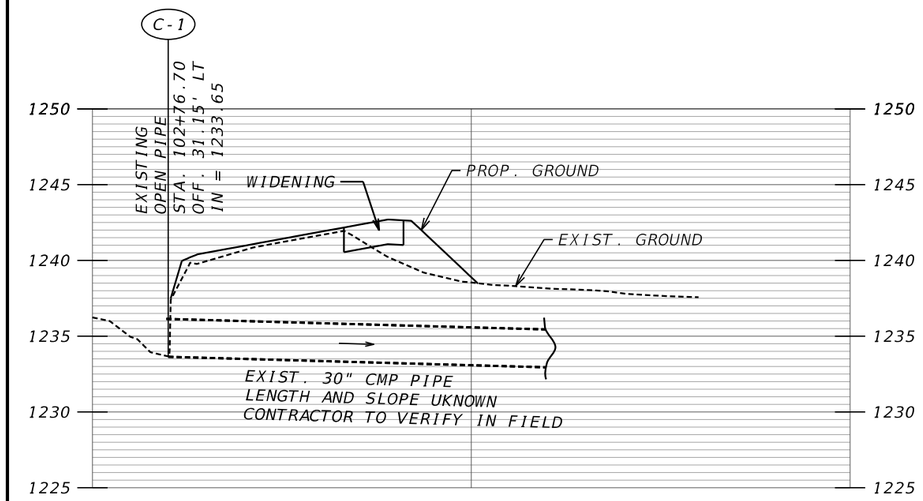
DRAINAGE PROFILES
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

GPLN-CE 11/05/2020

NOT RELEASED FOR CONSTRUCTION





DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 10' HORIZONTAL 1" = 40'

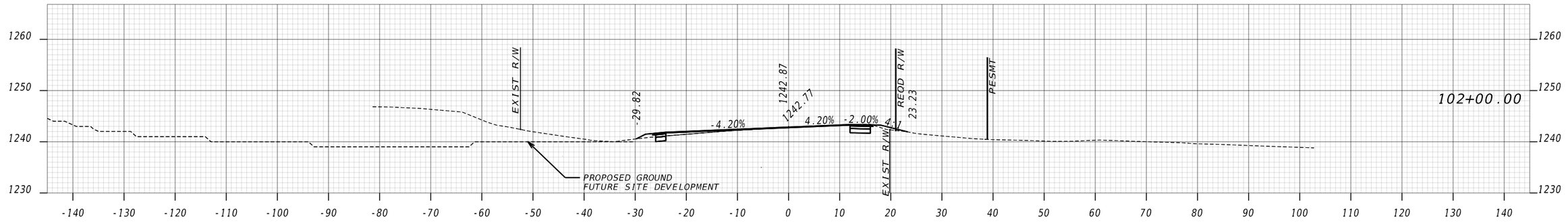
REVISION DATES

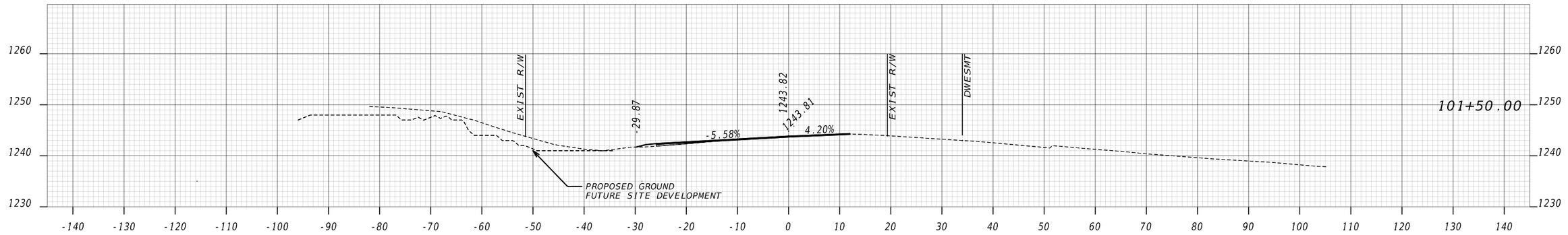
DRAINAGE PROFILES
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

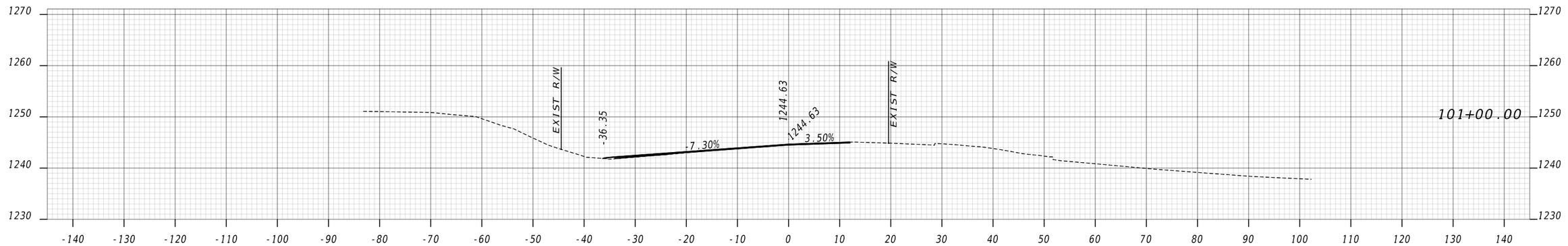
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		22-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION







SR 53

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 20' HORIZONTAL 1" = 20'

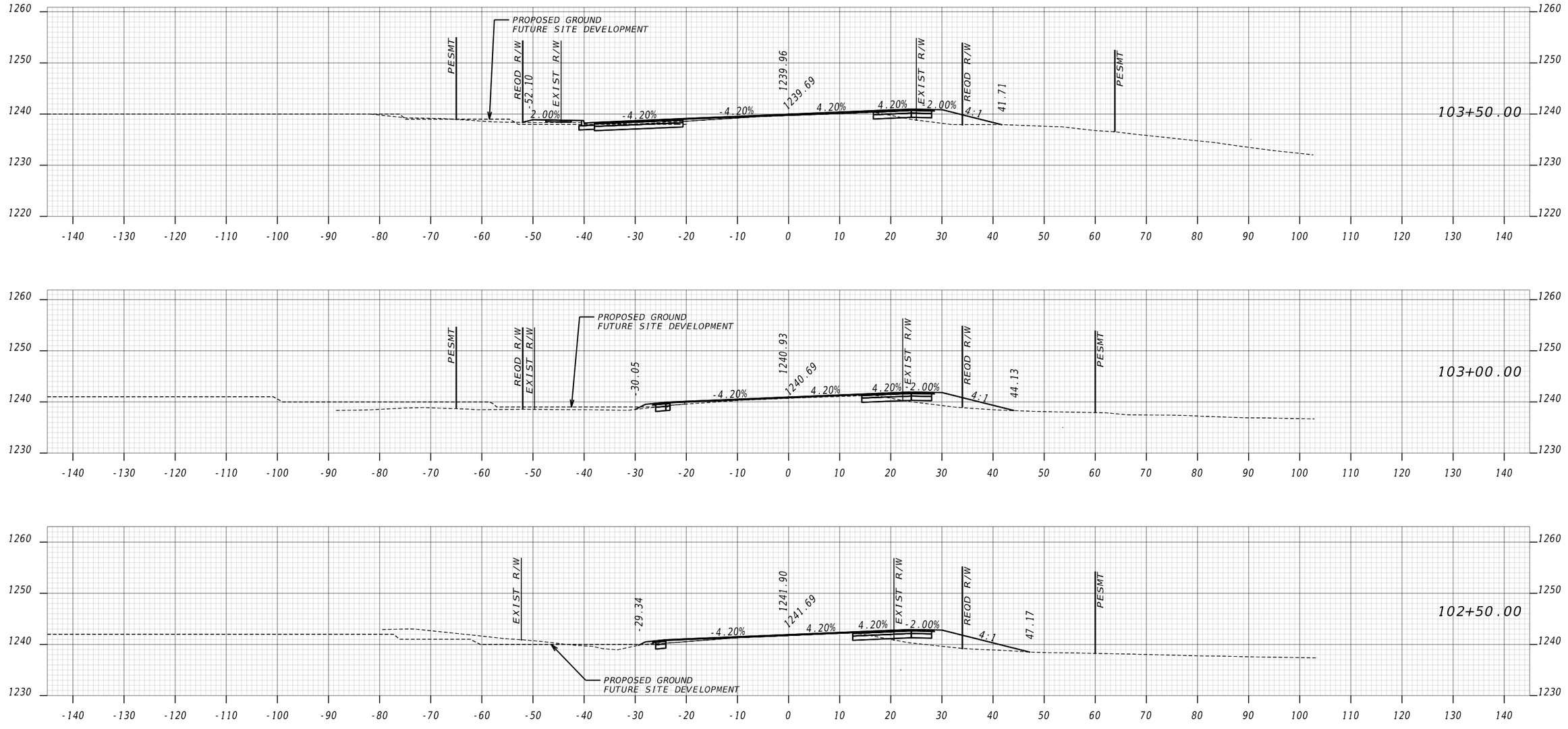
REVISION DATES

EARTHWORK CROSS SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



SR 53

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 20'

HORIZONTAL 1" = 20'

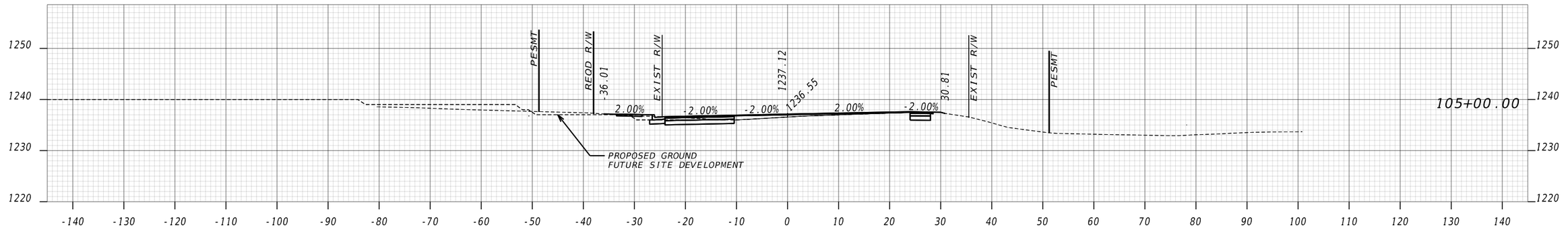
REVISION DATES

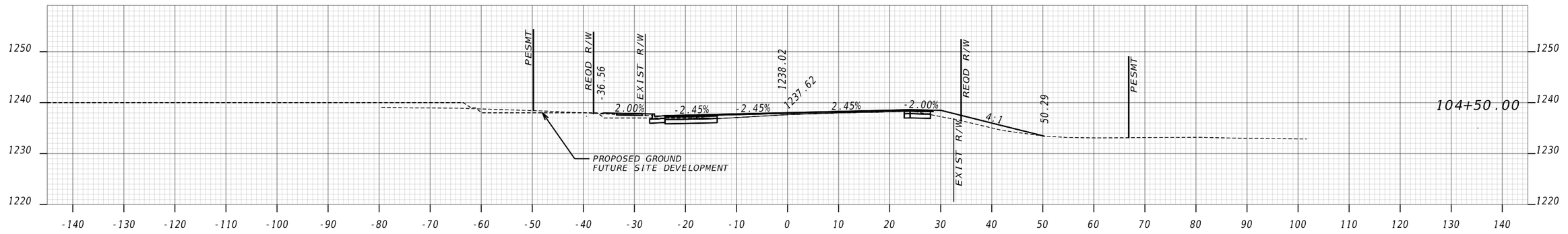
EARTHWORK CROSS SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD INTERSECTION IMPROVEMENTS

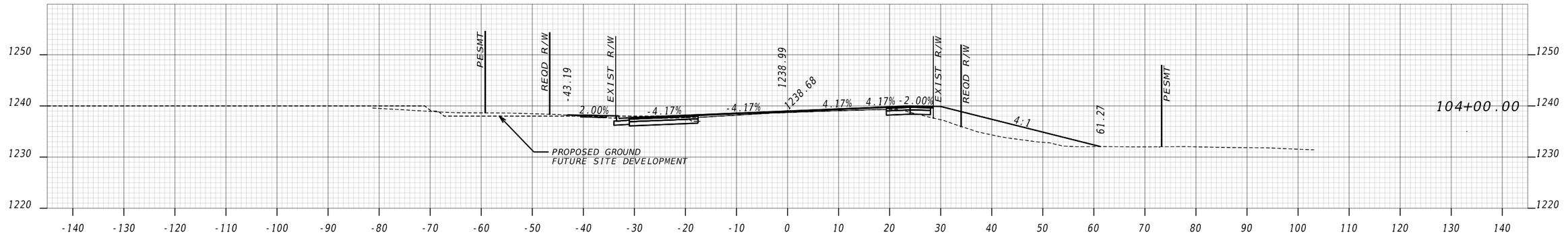
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE 11/05/2020

NOT RELEASED FOR CONSTRUCTION







SR 53

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 20'

HORIZONTAL 1" = 20'

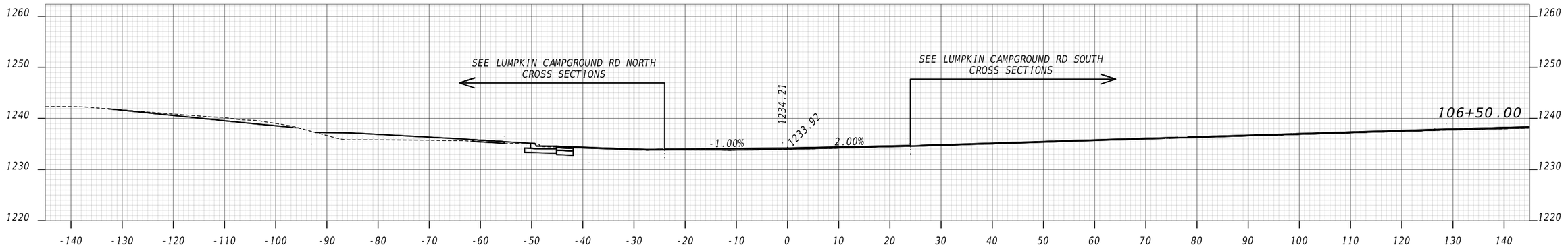
REVISION DATES

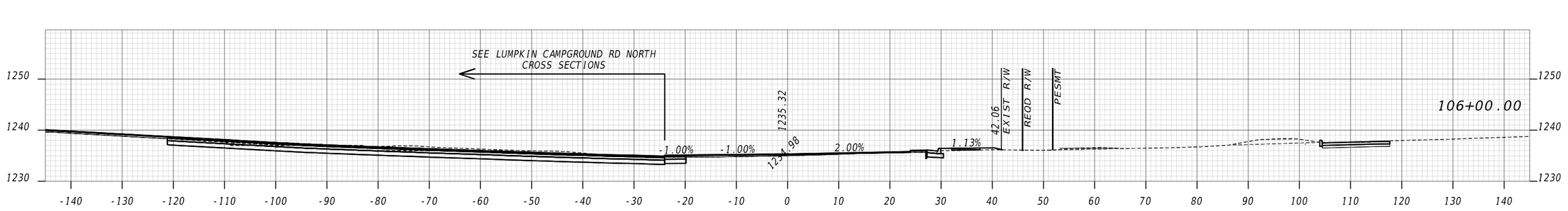
EARTHWORK CROSS SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

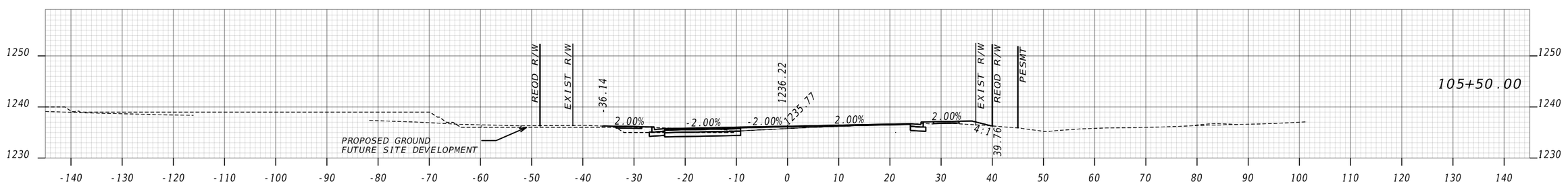
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION







SR 53

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

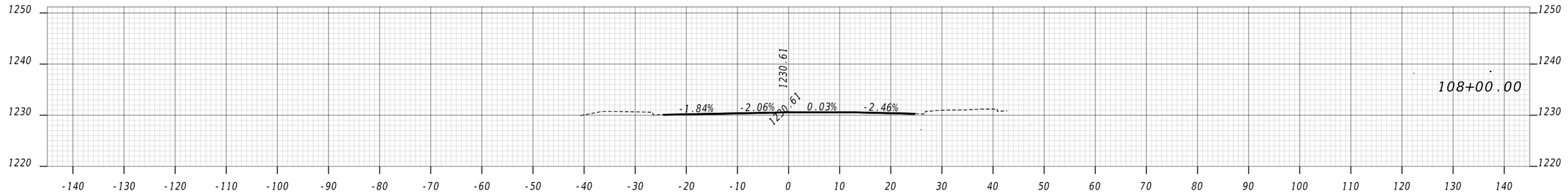
REVISION DATES

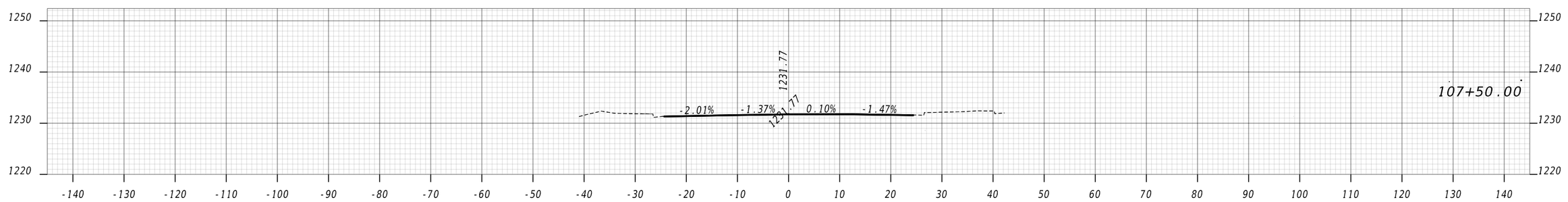
EARTHWORK CROSS SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

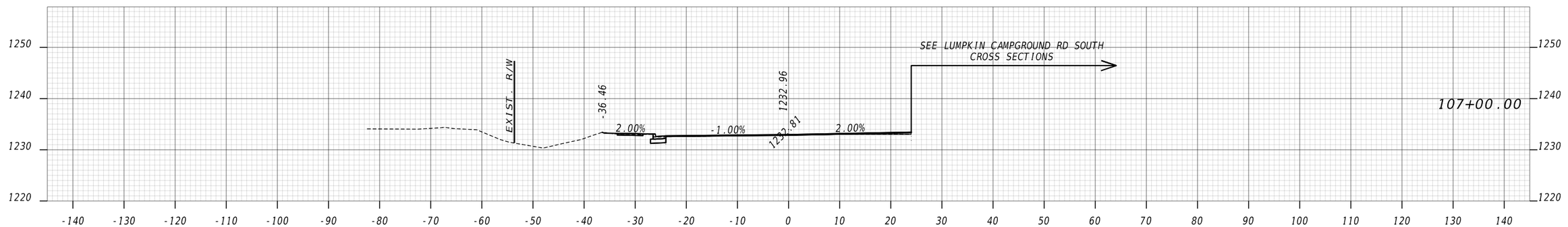
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION







SR 53

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 40'
HORIZONTAL 1" = 40'

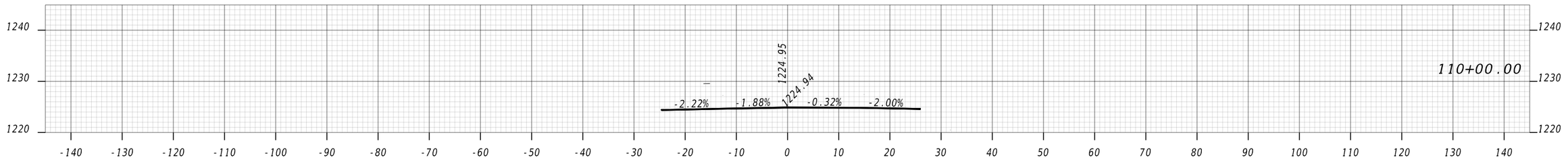
REVISION DATES

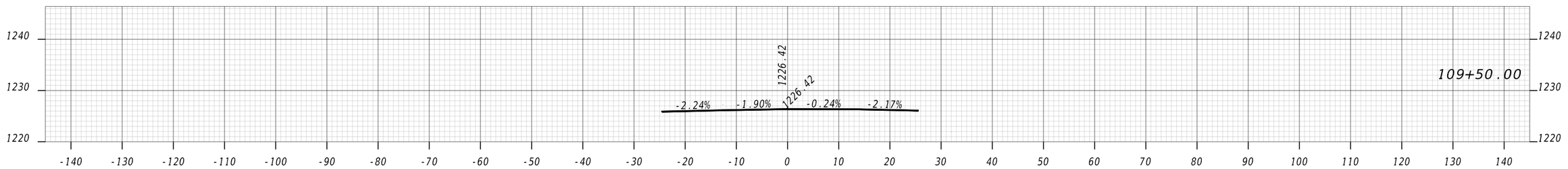
EARTHWORK CROSS SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

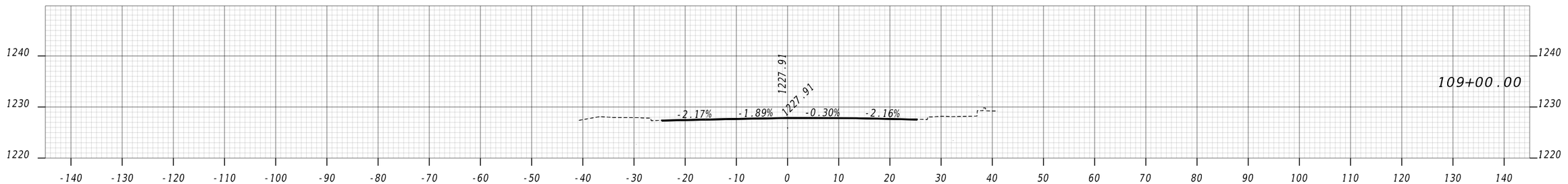
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

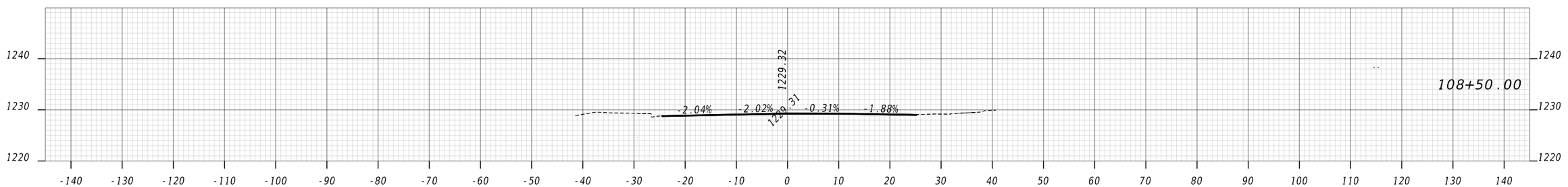
GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION









SR 53

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 40'
HORIZONTAL 1" = 40'

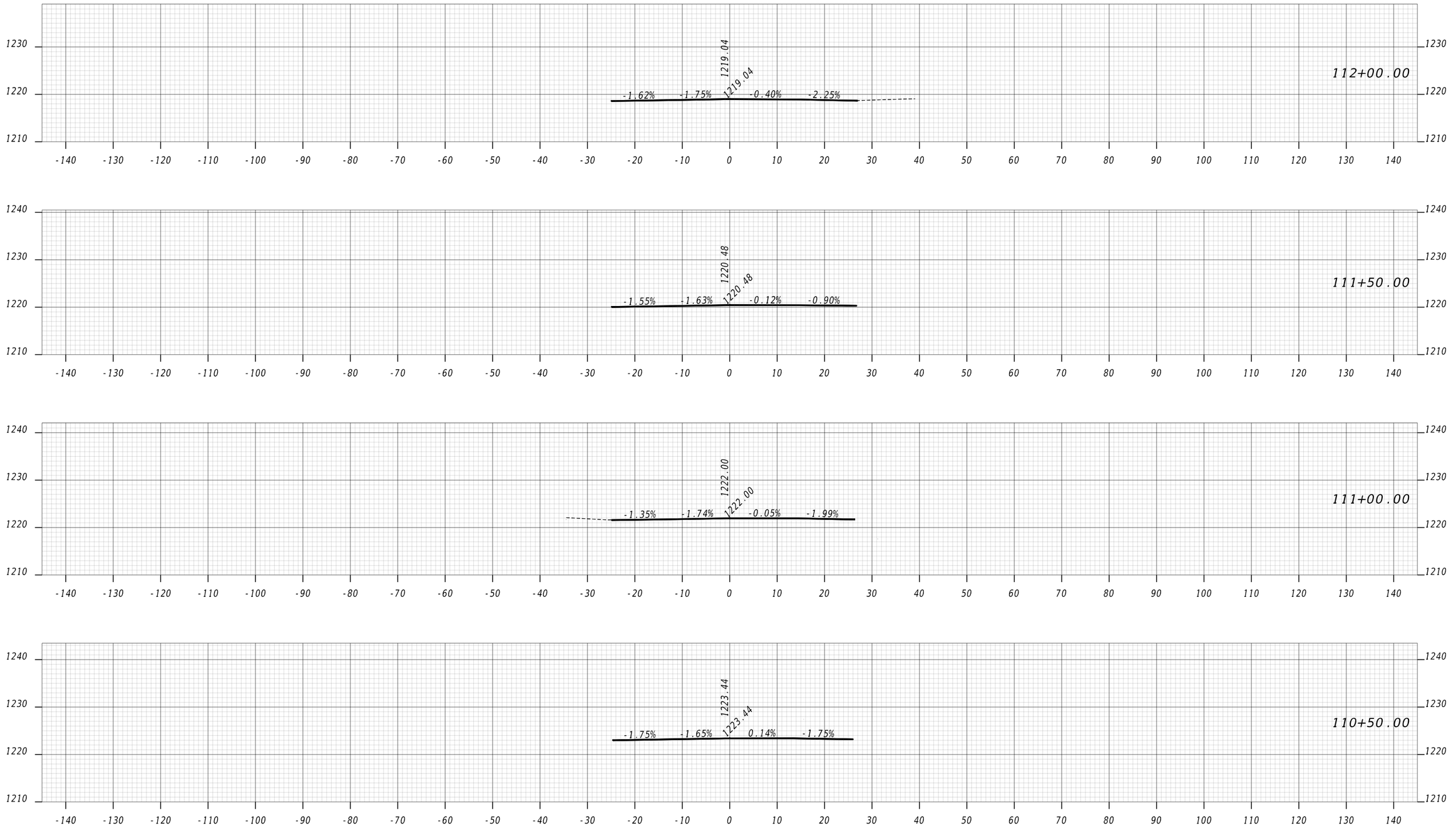
REVISION DATES

EARTHWORK CROSS SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD INTERSECTION IMPROVEMENTS

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

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



SR 53

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 40'

HORIZONTAL 1" = 40'

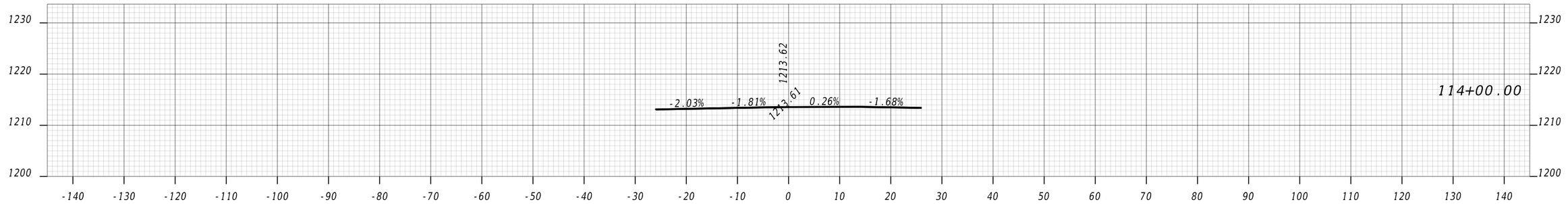
REVISION DATES

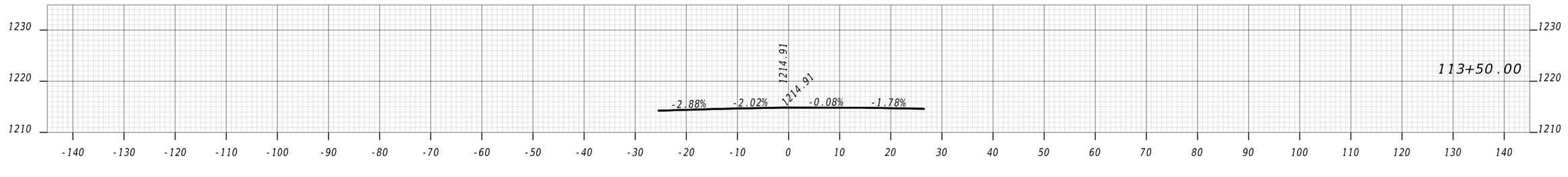
EARTHWORK CROSS SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

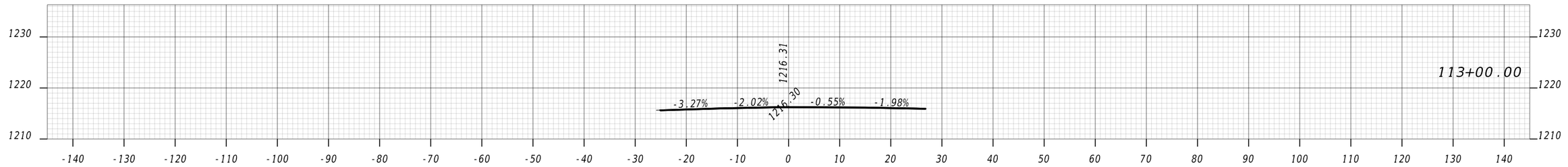
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0007
CORRECTED:		DATE:		
VERIFIED:		DATE:		

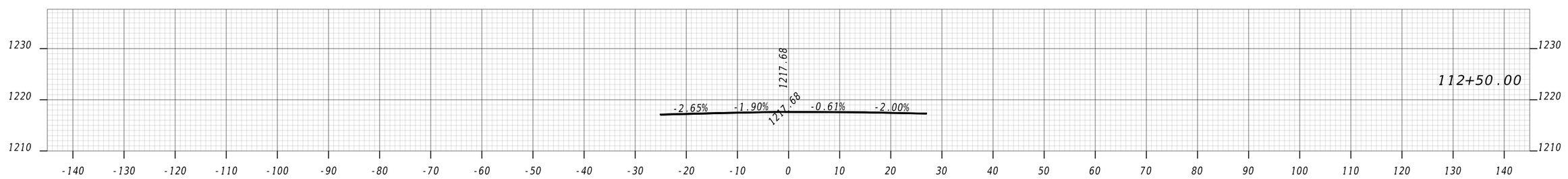
GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION









SR 53

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 40'
HORIZONTAL 1" = 40'

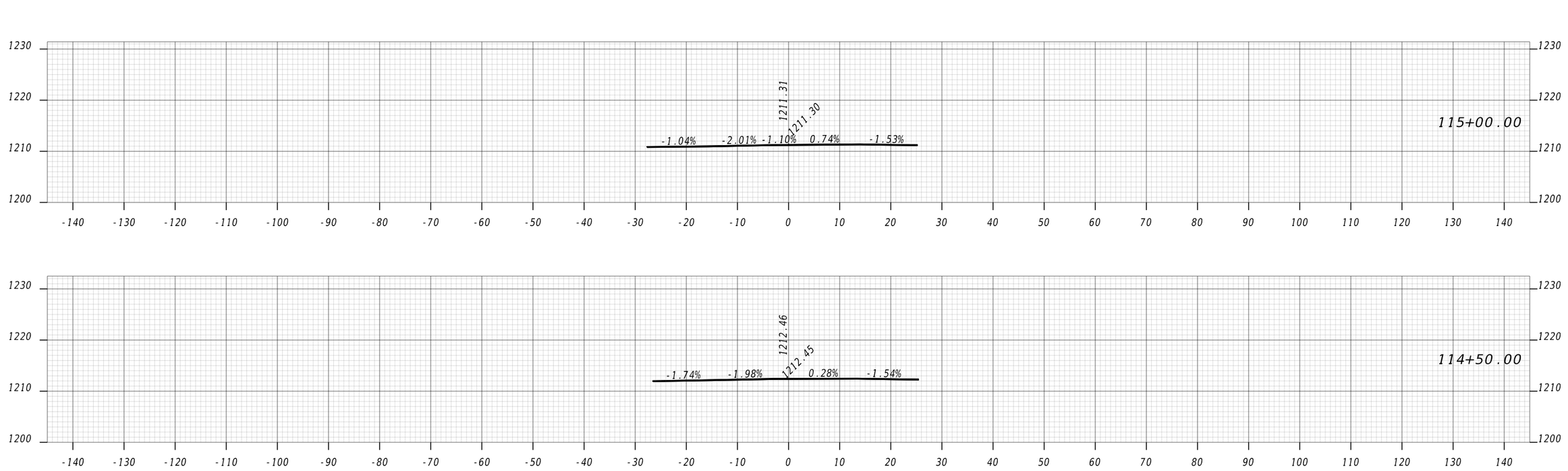
REVISION DATES

EARTHWORK CROSS SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



SR 53

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 40'
HORIZONTAL 1" = 40'

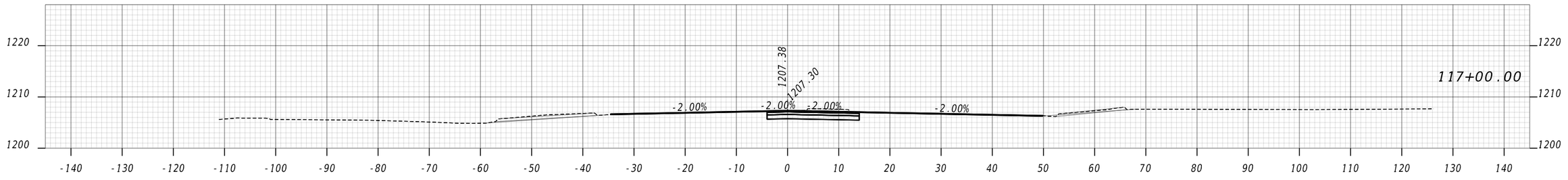
REVISION DATES

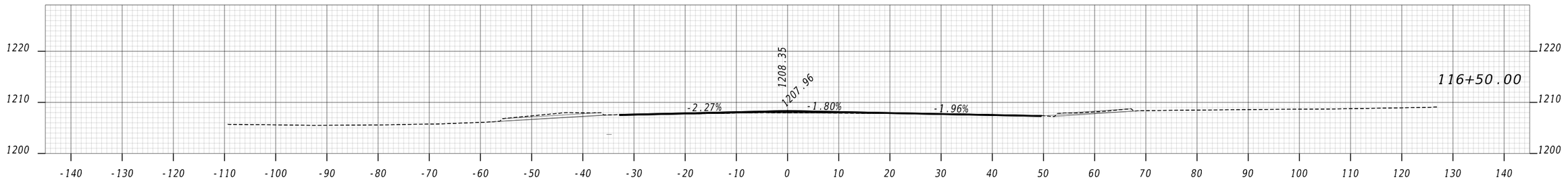
EARTHWORK CROSS SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

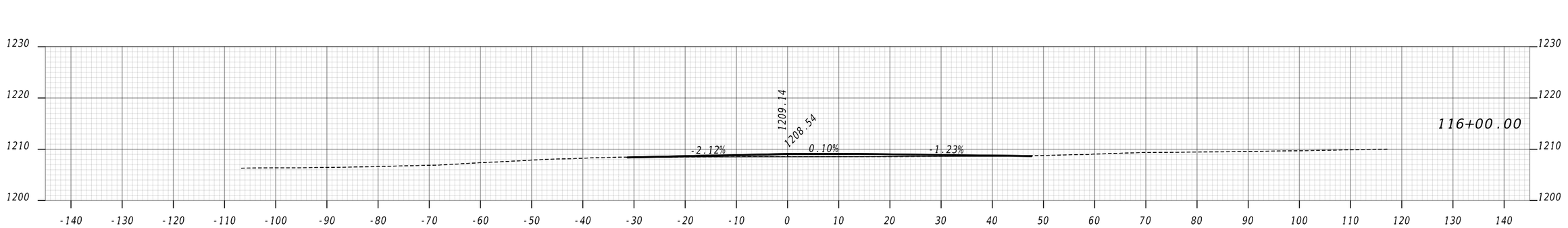
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0009
CORRECTED:		DATE:		
VERIFIED:		DATE:		

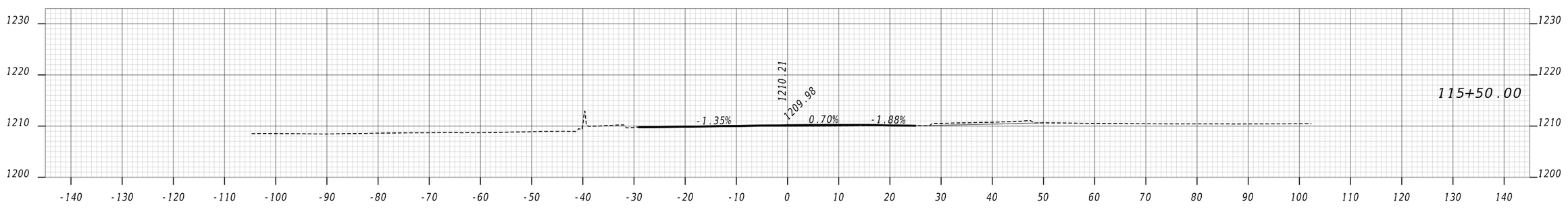
GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION









SR 53

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 40' HORIZONTAL 1" = 40'

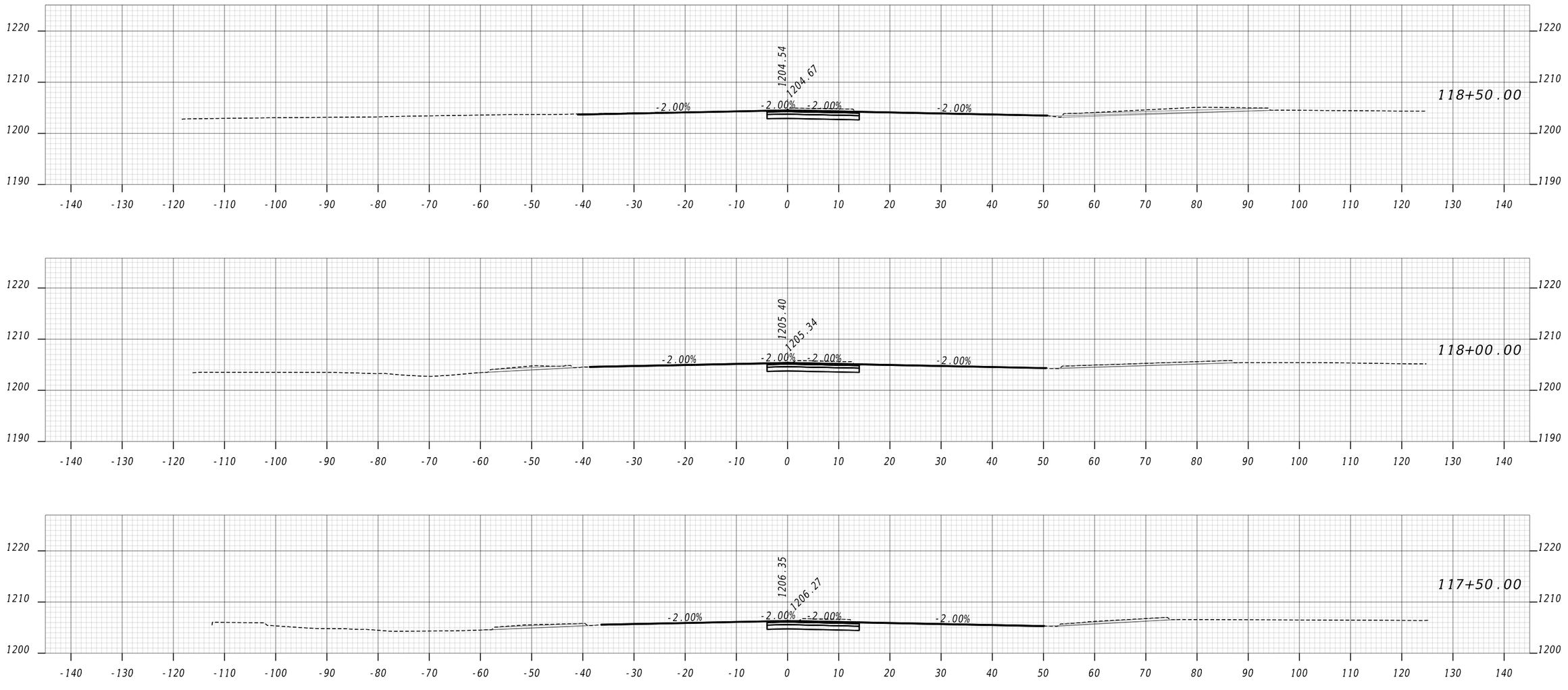
REVISION DATES

EARTHWORK CROSS SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0010
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



SR 53

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 40'
HORIZONTAL 1" = 40'

REVISION DATES

EARTHWORK CROSS SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0011
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

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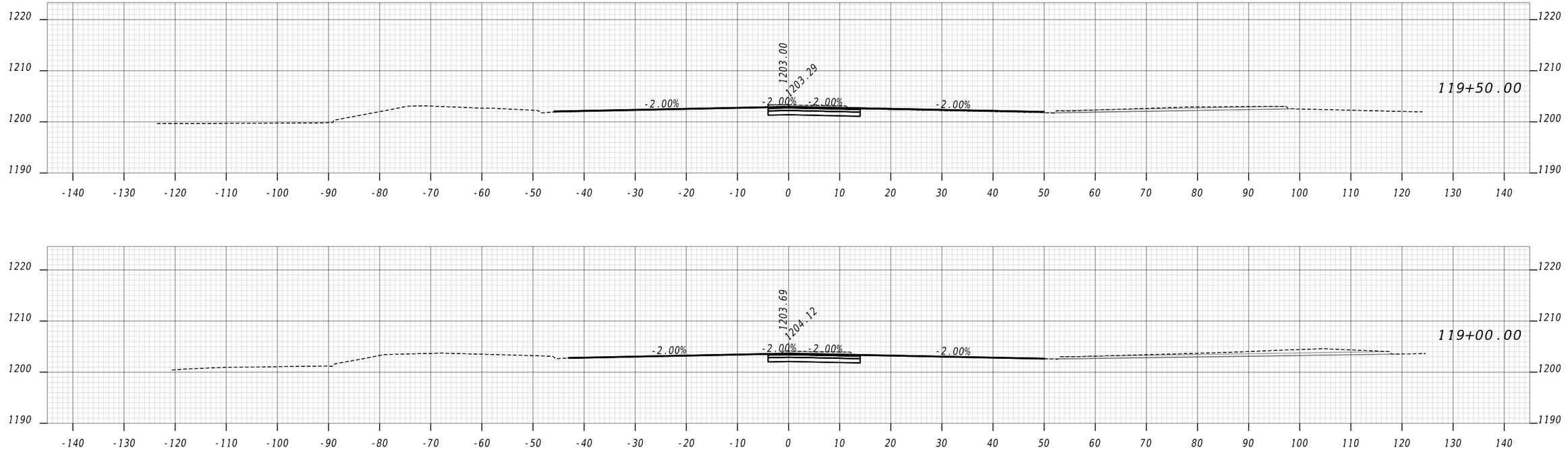

SR 53

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 40'

HORIZONTAL 1" = 40'

REVISION DATES

EARTHWORK CROSS SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0012
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

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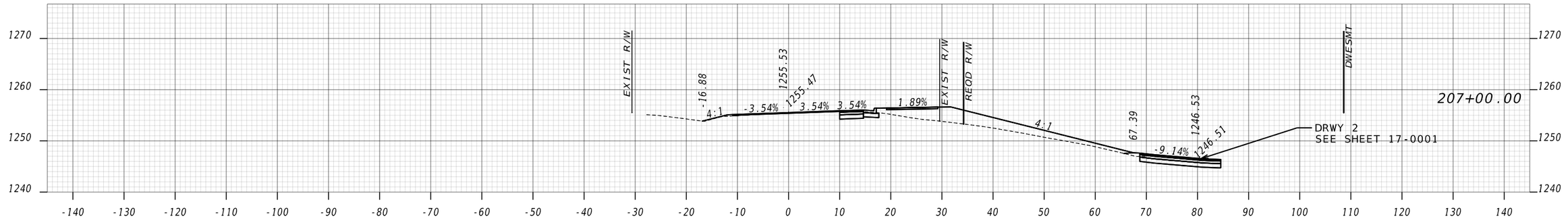

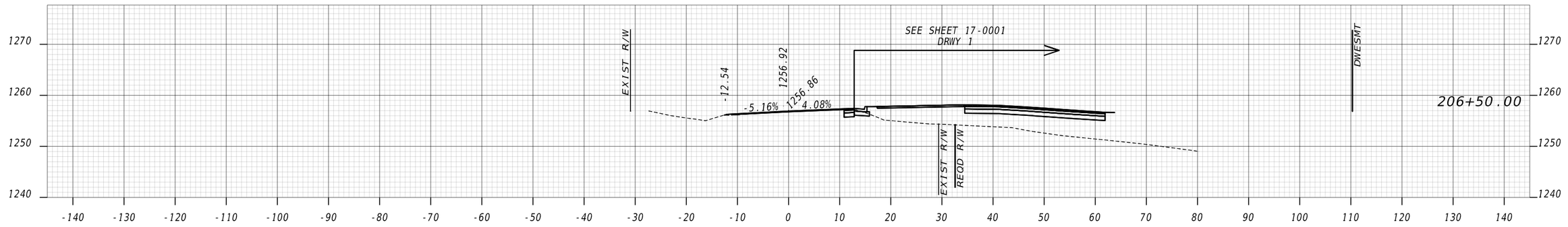

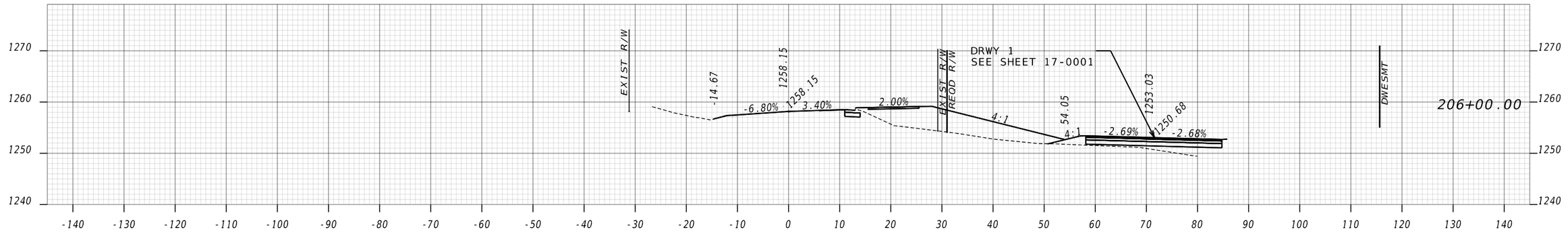

LUMPKIN CAMPGROUND ROAD SOUTH

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 40' HORIZONTAL 1" = 40'

REVISION DATES

EARTHWORK CROSS SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0013
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

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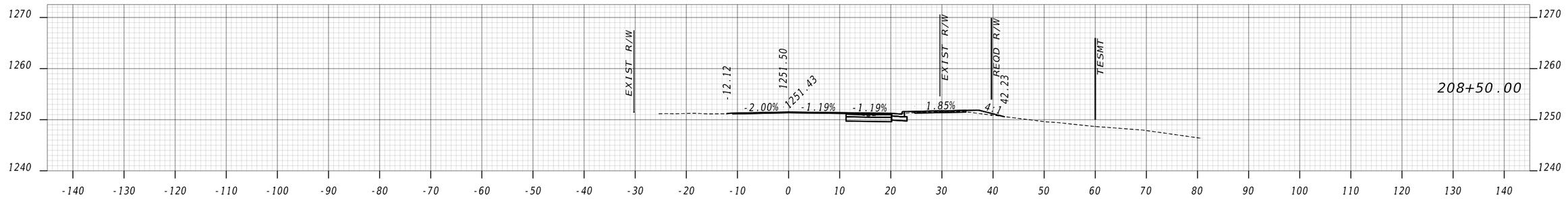
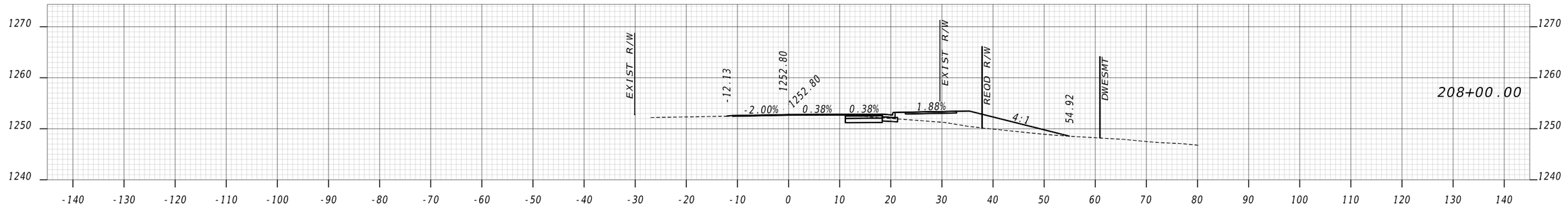
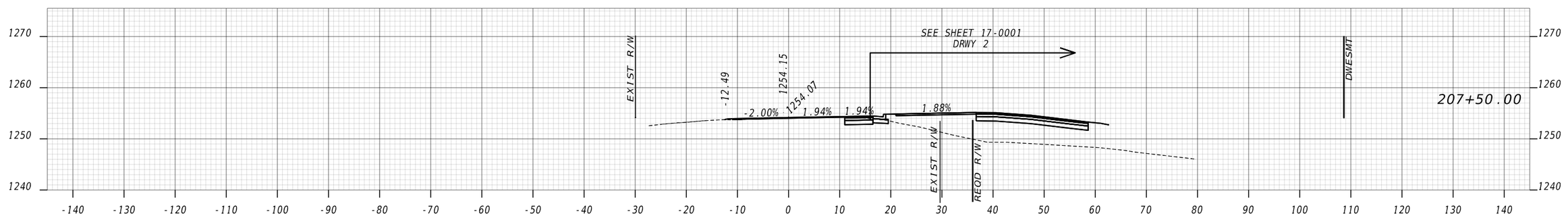






LUMPKIN CAMPGROUND ROAD SOUTH

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 40' HORIZONTAL 1" = 40'

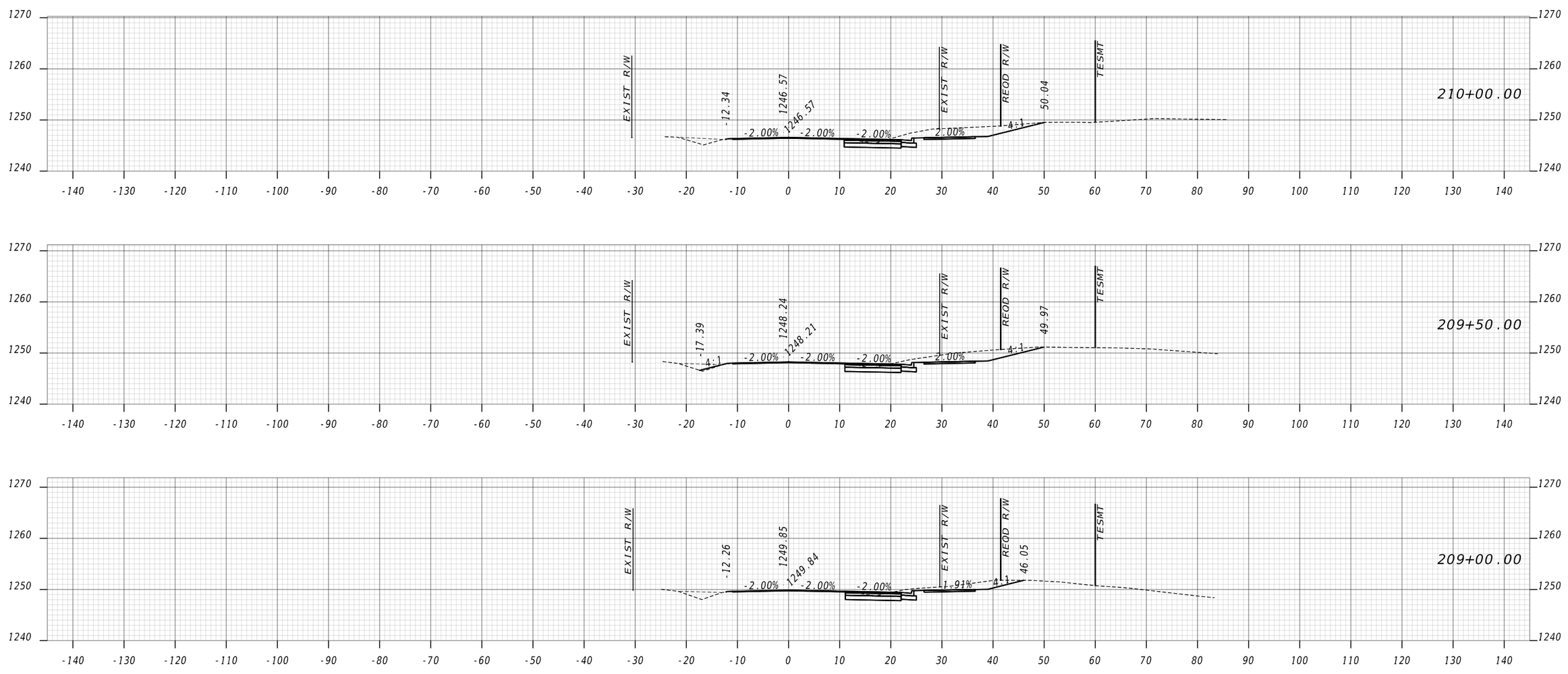
REVISION DATES

EARTHWORK CROSS SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0014
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



LUMPKIN CAMPGROUND ROAD SOUTH

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 40'
HORIZONTAL 1" = 40'

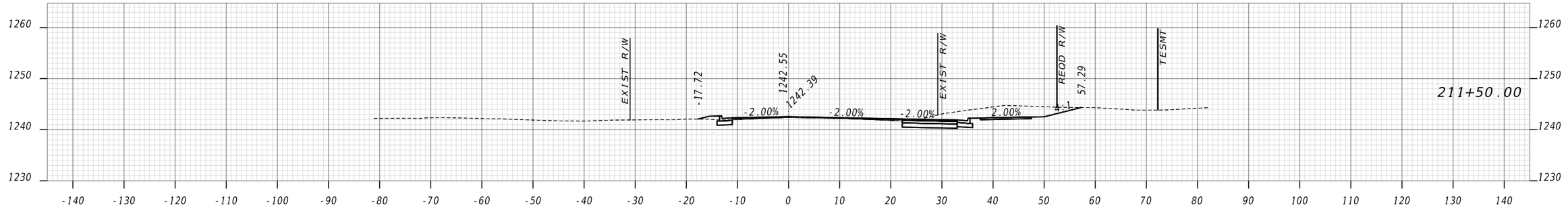
REVISION DATES

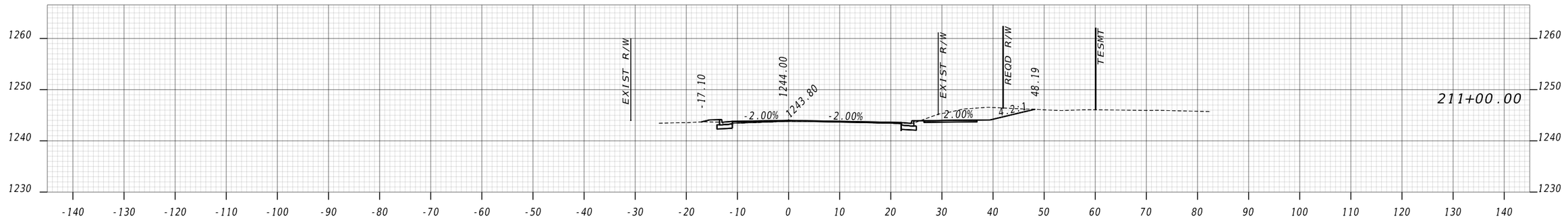
EARTHWORK CROSS SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

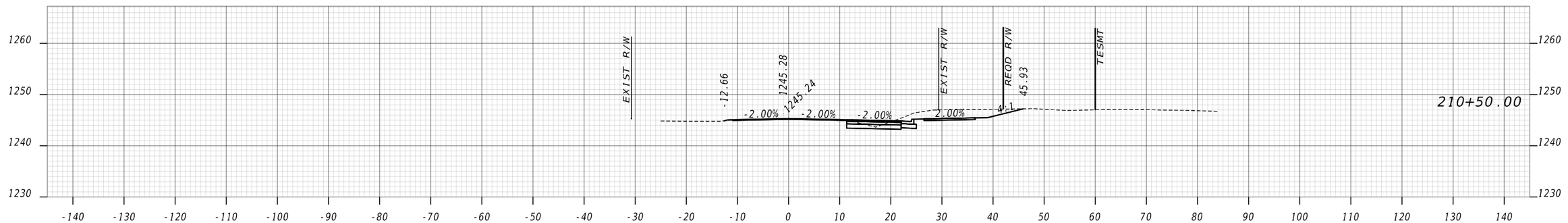
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0015
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION







LUMPKIN CAMPGROUND ROAD SOUTH

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 40'
HORIZONTAL 1" = 40'

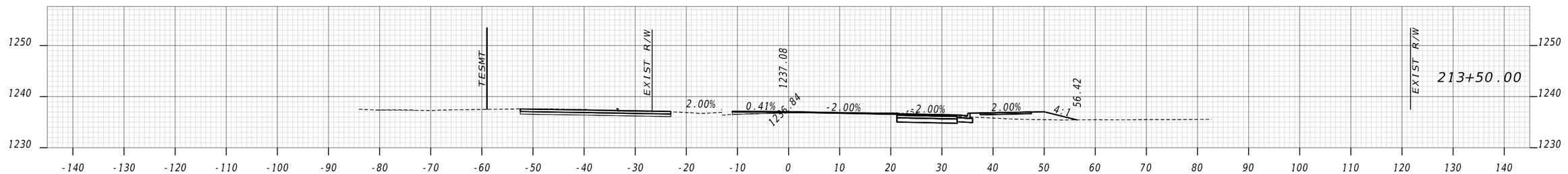
REVISION DATES

EARTHWORK CROSS SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0016
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



LUMPKIN CAMPGROUND ROAD SOUTH

KCI

VERTICAL 1" = 40' HORIZONTAL 1" = 40'

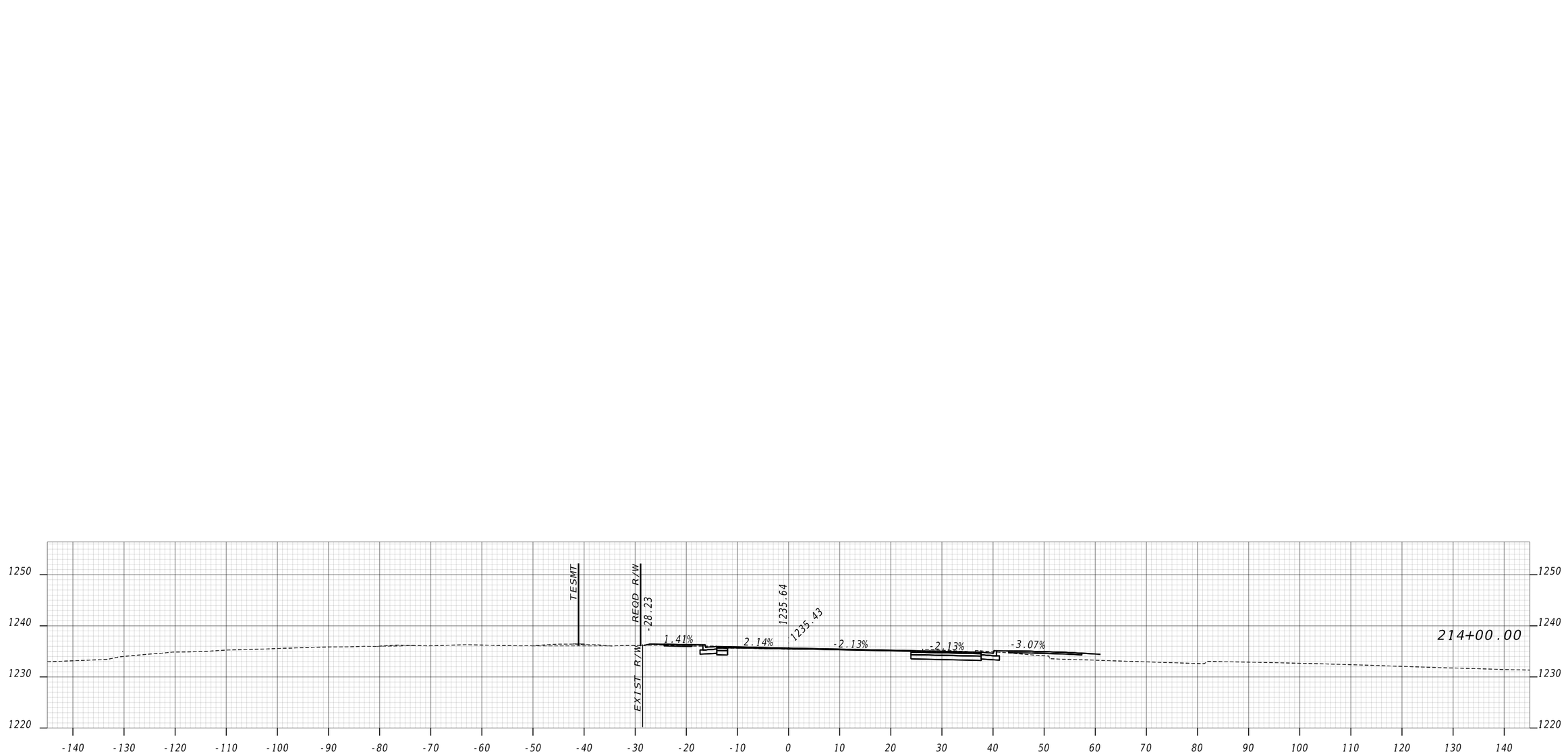
REVISION DATES

EARTHWORK CROSS SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0017
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



LUMPKIN CAMPGROUND ROAD SOUTH

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 40'
HORIZONTAL 1" = 40'

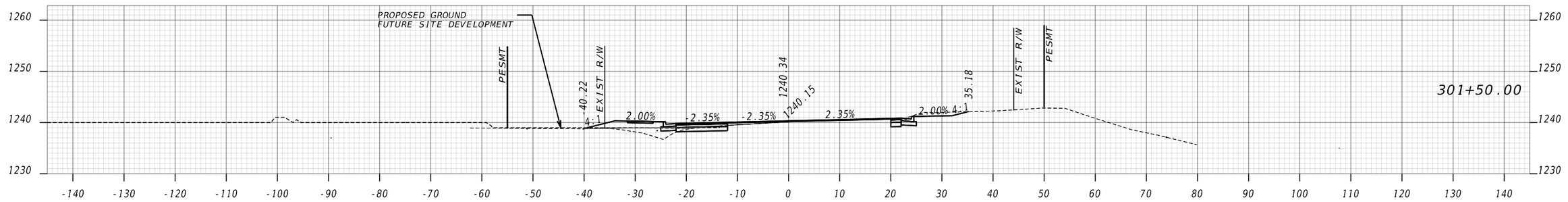
REVISION DATES

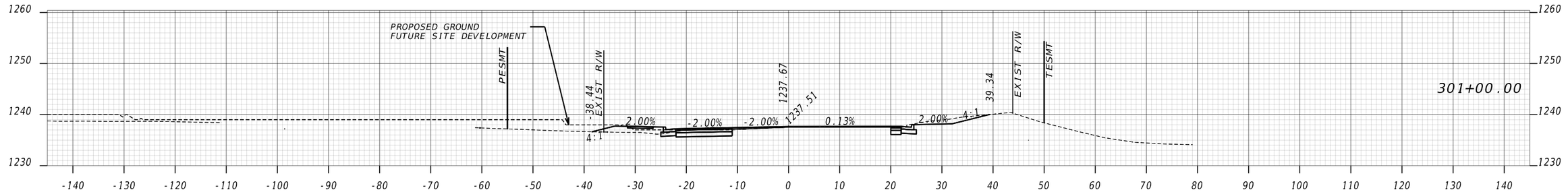
EARTHWORK CROSS SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

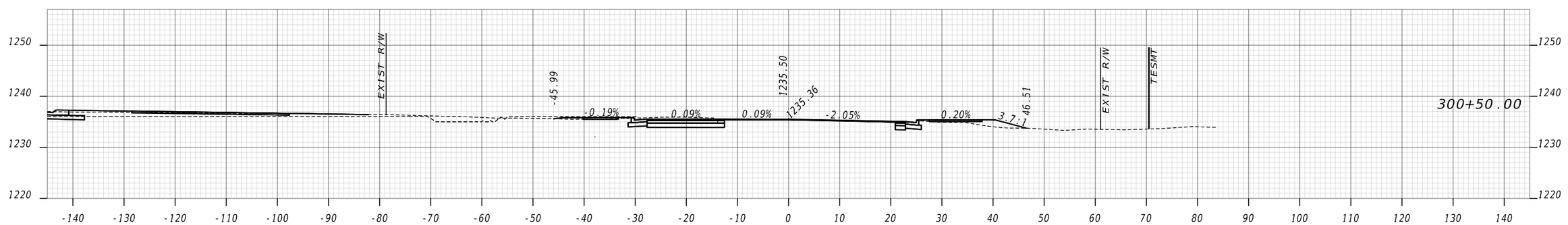
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0018
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION







LUMPKIN CAMPGROUND ROAD NORTH

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 40'
HORIZONTAL 1" = 40'

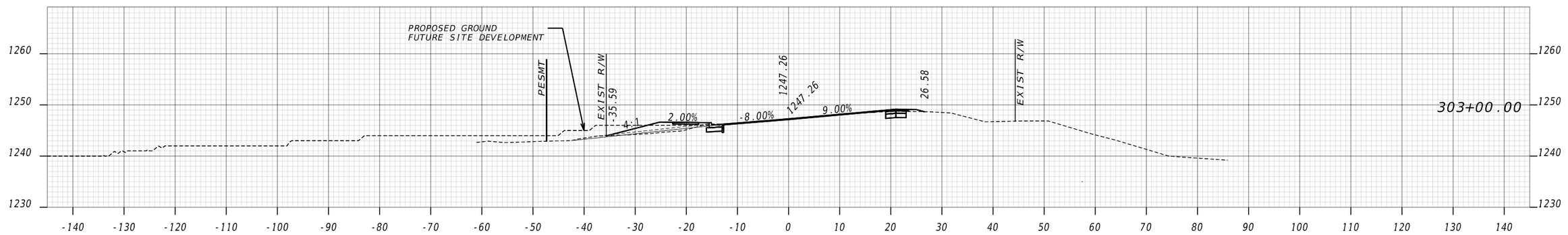
REVISION DATES

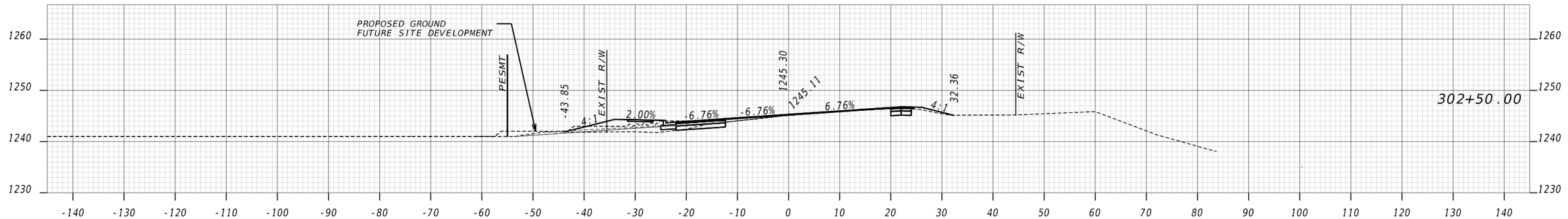
EARTHWORK CROSS SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

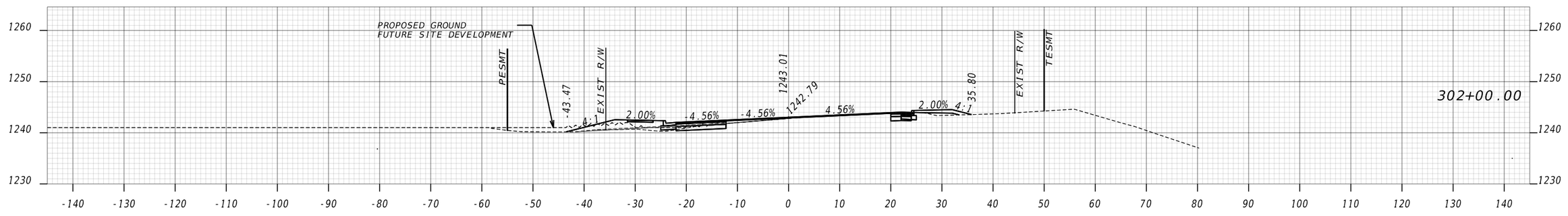
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0019
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION







LUMPKIN CAMPGROUND ROAD NORTH

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

VERTICAL 1" = 40'

HORIZONTAL 1" = 40'

REVISION DATES

EARTHWORK CROSS SECTIONS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0020
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE 11/05/2020

NOT RELEASED FOR CONSTRUCTION

BEGIN PROJECT
STA 100+00
N:1589321.726
E:2334230.085

PRIVATE PROJECT- A-085-010132-1
TO BE CONSTRUCTED BY OTHERS

FUTURE DEVELOPMENT A-085-010132-1
PLANS ON PARCEL 3 CONTRACTOR TO VERIFY

BEGIN CONSTRUCTION
BEGIN PVMT MILL AND INLAY
STA 101+00.00
N:1589226.644
E:2334260.913

APPROXIMATE LAND LOT LINE

03
N/F
1618 LAND HOLDINGS LLC
PARCEL ID: 113 037
LUMPKIN CMPGD RD N

ABANDONED
UNDERGROUND PRIMARY

10' LANDSCAPE STRIP

TESMT

REQ'D R/W

SIDEWALK (TYP.)

SR 53

MATCH LINE STA. 104+50.00 DRAWING No. 24-0002

PESMT FOR CONSTR & MAINT. OF SLOPES & UTILITIES

EXISTING:
6" STEEL GAS MAIN
WT: 0.188/GRADE: B
NOP: 60 PSIG
INSTALLED: 1994
CP: HOPEWELL RD RECTIFIER

01
N/F
NAINSREENI, LLC
PARCEL ID: 113 010 003
6002 HWY 53 E

02
N/F
CHRIST FELLOWSHIP CHURCH
OF DAWSON COUNTY, INC.
PARCEL ID: 113 010 002
HWY 53

05
N/F
KENNY M. PELFREY AND
DEBORAH B. PELFREY
PARCEL ID: 113 120
6104 HWY 53 E

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

Dawson County Est. 1857 — Where Quality of Life Matters

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

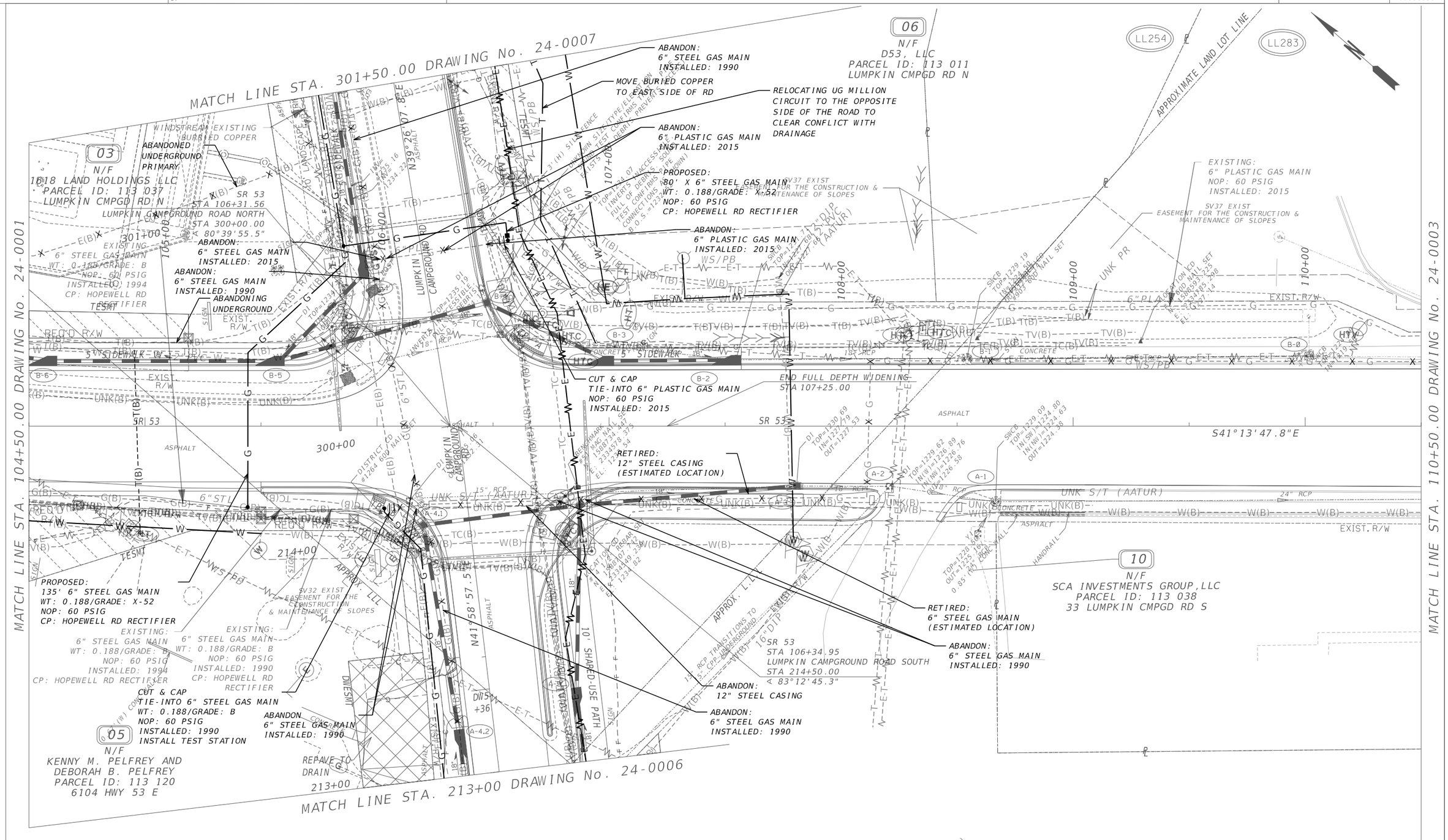
UTILITY PLANS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

DRAWING No.
24-0001

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



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

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET 0 20 40 80

REVISION DATES

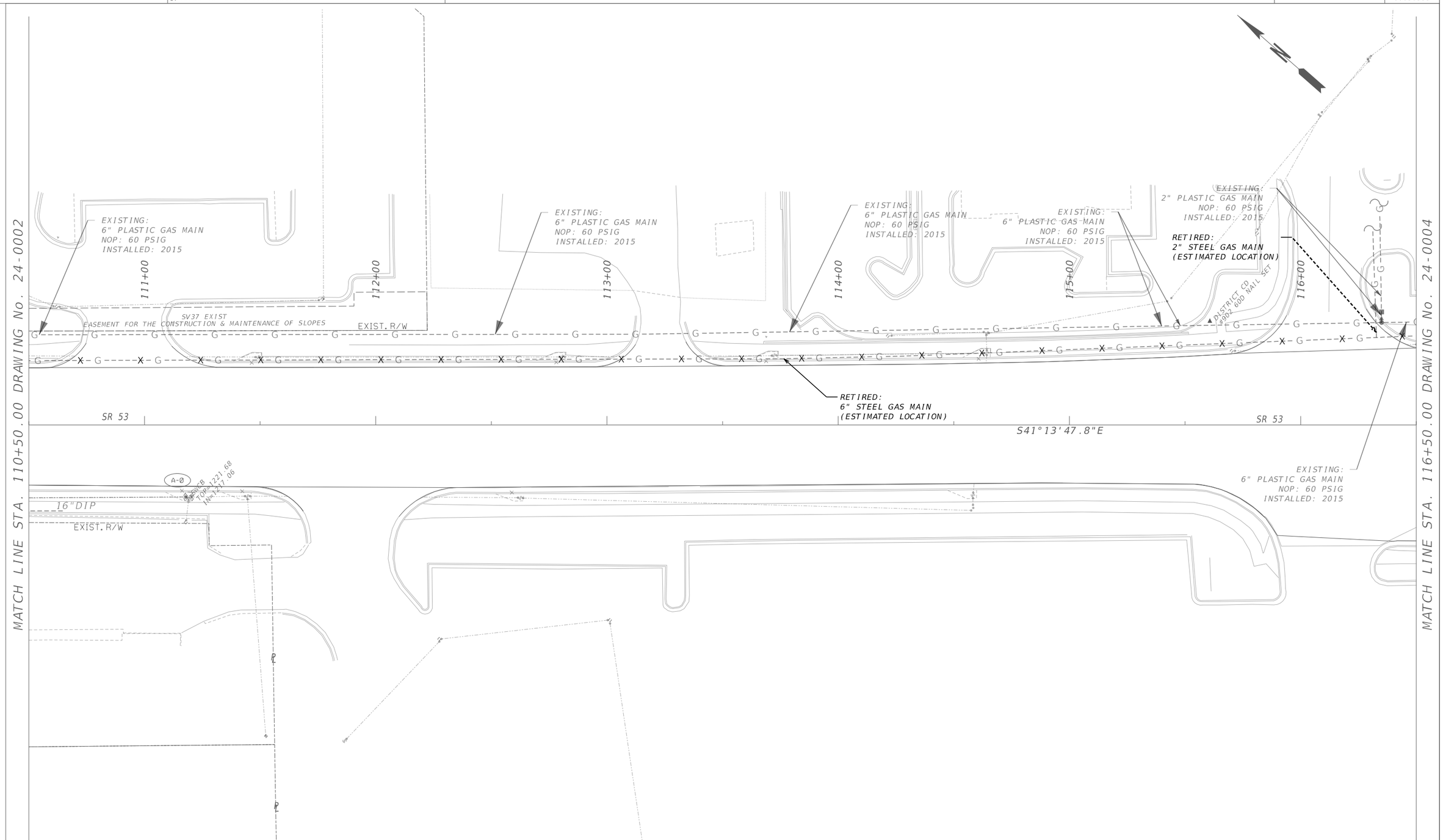
UTILITY PLANS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

DRAWING No. 24-0002

GPLN-CE 11/05/2020

NOT RELEASED FOR CONSTRUCTION



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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
EXISTING LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS	
EXISTING LIMIT OF ACCESS & R/W	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA	

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

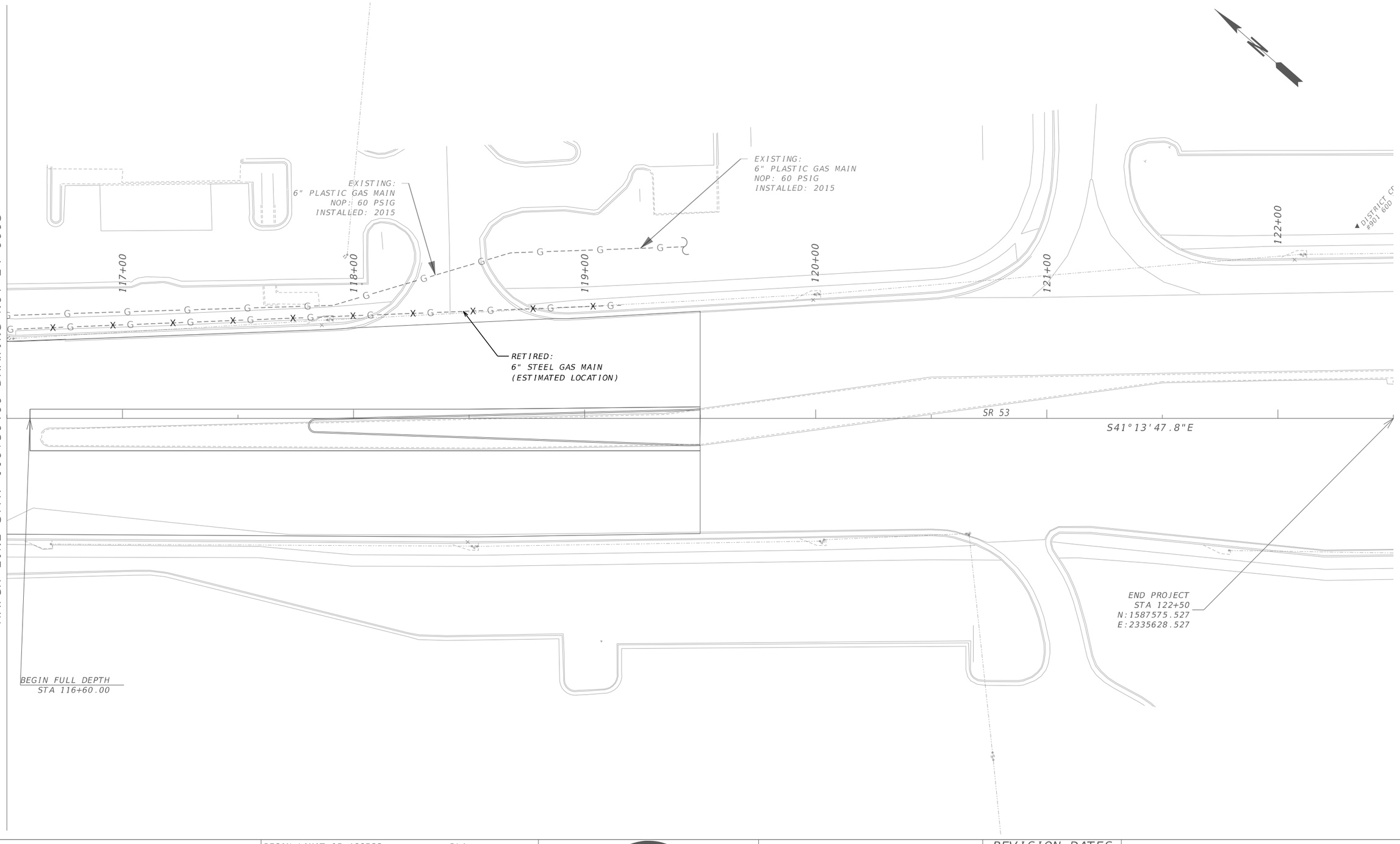
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 24-0003

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

MATCH LINE STA. 116+50.00 DRAWING No. 24-0003



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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

07
N/F
BETHEL METHODIST CHURCH
OF DAWSON COUNTY, INC.
PARCEL ID: 113 008 001
100 LUMPKIN CMPGD RD S

EXISTING:
6" STEEL GAS MAIN
WT: 0.188/GRADE: X-42
NOP: 60 PSIG
INSTALLED: 1990
CP: HOPEWELL RD RECTIFIER

LIMIT OF CONSTRUCTION
END FULL DEPTH WIDENING
END MILL AND OVERLAY
STA 206+00.00

203+00 204+00 205+00 206+00 207+00 PT 207+18.72 208+00

EXIST. R/W
REQ'D R/W
ASPHALT
GRAVE
POST
GATE
UNK PR
BENCHMARK ASPHALT SET
#30 NAIL SET
N: 1584703.442
E: 2338529.892
EL: 1267.48
LOCATION CD
LOCATION SPIKE SET
N: 1584703.442
E: 2338529.892
EL: 1267.48
FIRE HYDRANT
W(B) E(B) T(B) TV(B) F(B) G(B)
8"PVC
DW1 +42
DW2 +39
LUMPKIN CAMPGROUND RD
MB
HE
HT
SLIPCE PIT TO SLPLICE
BACK IN TO MILLION CIRCUIT
DWESMT
MATCH LINE STA. 208+00.00 DRAWING No. 24-0006

08
N/F
LUMPKIN CAMPGROUND, INC.
PARCEL ID: 113 008 003
LUMPKIN CMPGD RD S

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

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

MATCH LINE STA. 213+00 DRAWING No. 24-0002

07
N/F
BETHEL METHODIST CHURCH OF DAWSON COUNTY, INC.
PARCEL ID: 113 008 001
100 LUMPKIN CMPGD RD S

05
N/F
KENNY M. PELFREY AND DEBORAH B. PELFREY
PARCEL ID: 113 120
6104 HWY 53 E

08
N/F
LUMPKIN CAMPGROUND, INC.
PARCEL ID: 113 008 003
LUMPKIN CMPGD RD S

09
N/F
LUMPKIN CAMPGROUND, INC.
PARCEL ID: 113 008 003(PORTION)
LUMPKIN CMPGD RD

10
N/F
SCA INVESTMENTS GROUP,LLC
PARCEL ID: 113 038
33 LUMPKIN CMPGD RD S

LL284 LL253 LL284 LL283

CUT & CAP
TIE-INTO 6" STEEL GAS MAIN
WT: 0.188/GRADE: X-42
NOP: 60 PSIG
ISNTALLED: 1990
INSTALL TEST STATION

EXISTING:
6" STEEL GAS MAIN
WT: 0.188/GRADE: X-42
NOP: 60 PSIG
INSTALLED: 1990
CP: HOPEWELL RD RECTIFIER

EXISTING:
6" STEEL GAS MAIN
WT: 0.188/GRADE: X-42
NOP: 60 PSIG
INSTALLED: 1990
CP: HOPEWELL RD RECTIFIER

ABANDON:
6" STEEL GAS MAIN
INSTALLED: 1990

EXISTING:
6" STEEL GAS MAIN
WT: 0.188/GRADE: X-42
NOP: 60 PSIG
INSTALLED: 1990
CP: HOPEWELL RD RECTIFIER

ABANDON:
6" STEEL GAS MAIN
INSTALLED: 1990

CUT & CAP
6" STEEL GAS MAIN
WT: 0.188/GRADE: X-42
NOP: 60 PSIG
INSTALLED: 1990
INSTALL TEST STATION

PROPOSED:
6" STEEL GAS MAIN
WT: 0.188/GRADE: X-52
NOP: 60 PSIG
CP: HOPEWELL RD RECTIFIER

APPROXIMATE LAND LOT LINE

DO NOT DISTURB SIGN GRADE AROUND BASE TO DRAIN

DO NOT DISTURB TREE

10" CMP CONNECTS TO 15" RCP UNDERGROUND (CONFIRMED BY SOUND TEST)

LUMPKIN CAMPGROUND RD

N44°22'56.3"E

EXIST. R/W

REQ'D R/W

10' SHARED-USE PATH

PT 212+97.26

208+00 209+00 PC 209+67.65 210+00 211+00 212+00 213+00

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

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET 0 20 40 80

REVISION DATES		

UTILITY PLANS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		24-0006
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE 11/05/2020

NOT RELEASED FOR CONSTRUCTION

MATCH LINE STA. 301+50.00 DRAWING No. 24-0002

FUTURE DEVELOPMENT A-085-010132-1
PLANS ON PARCEL 3 CONTRACTOR TO VERIFY

03
N/F
1618 LAND HOLDINGS LLC
PARCEL ID: 113 037
LUMPKIN CMPGD RD N

PROPOSED:
6" STEEL GAS MAIN
WT: 0.188/GRADE: X-52
NOP: 60 PSIG
CP: HOPEWELL RD RECTIFIER

ABANDON:
6" STEEL GAS MAIN
INSTALLED: 1990

SPLICE PIT FOR UG
MILLION CIRCUIT

CUT & CAP
TIE-INTO 6" STEEL GAS MAIN
WT: 0.188/GRADE: X-42
NOP: 60 PSIG
INSTALLED: 1990
INSTALL TEST STATION

LIMIT OF CONSTRUCTION
END FULL DEPTH WIDENING
END MILL AND OVERLAY
STA 303+00.00

EXISTING:
6" STEEL GAS MAIN
WT: 0.188/GRADE: X-42
NOP: 60 PSIG
INSTALLED: 1990
CP: HOPEWELL RD RECTIFIER

06
N/F
D53, LLC
PARCEL ID: 113 011
LUMPKIN CMPGD RD N

LUMPKIN CAMPGROUND RD
LUMPKIN CAMPGROUND RD
ASPHALT
60' B.S.L.
25' B.S.L.
303+00
304+00
304+26.52
N21°24'31.0"E
30" RCP
6" STEEL GAS MAIN (ABANDONED)
12"UNK
TESMT
SIGN
LANDSCAPE STRIP
W
E(B)
T(B)
TV(B)
W(B)
E-T
UNK FO

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

Dawson County Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		24-0007
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

CURVE# 01
PI 100+97.59
N 1,589,221.4597
E 2,334,186.3113
Δ 42°59'19.7" (LT)
D 05°58'05.92"
T 378.05'
L 720.28'
R 960.00'
E 71.76'
ed 4.2%
eMax 6%
D.S. 35 mph

BEGIN PROJECT
STA 100+00
N:1589321.726
E:2334230.085

99+00

FUTURE DEVELOPMENT A-085-010132-1
PLANS ON PARCEL 3 CONTRACTOR TO VERIFY

6" THERMOPLASTIC
SKIP YELLOW (TYP.)
10' SEG., 30' GAP
W/ TP. 1 RPMS
40' O.C.

100+00

6" THERMOPLASTIC SKIP WHITE (TYP.)
2' SEG., 6' GAP

101+00

CURVE #01

BEGIN CONSTRUCTION
BEGIN PVMT MILL AND INLAY
STA 101+00.00
N:1589226.644
E:2334260.913

10'

102+00

6" THERMOPLASTIC
SOLID YELLOW (TYP.)

03
N/F
1618 LAND HOLDINGS LLC
PARCEL ID: 113 037
LUMPKIN CMPGD RD N

WHITE HATCHING
GDOT DETAIL T-14, C
152 SY

6" THERMOPLASTIC
SOLID DBL YELLOW (TYP.)
W/ TP. 1 RPMS 2 EA 40' O.C.

103+00

104+00

MATCH LINE STA. 104+50.00 DRAWING No. 26-0002

REQ'D R/W

SR 53

12'

TP. 1
ARROW (TYP).

TP. 3
ARROW (TYP)

TP. 2
ARROW (TYP).

DWESMT

6" THERMOPLASTIC
SKIP WHITE (TYP.)
2' SEG., 6' GAP
W/ TP/ 3 RPMS 20' O.C.

R1-2
36"X36"X36"
STA. 101+63.75
OFF. 30.75' RT.

M1-5 (24"X24")
M6-3P (21"X15")
STA. 104+30.50
OFF. 31.00' RT.

01
N/F
NAINSREENI, LLC
PARCEL ID: 113 010 003
6002 HWY 53 E

02
N/F
CHRIST FELLOWSHIP CHURCH
OF DAWSON COUNTY, INC.
PARCEL ID: 113 010 002
HWY 53

6" THERMOPLASTIC
SOLID WHITE (TYP.)
W/ TP. 3 RPMS 20' O.C.

6" THERMOPLASTIC
SKIP WHITE (TYP.)
10' SEG., 30' GAP
W/ TP. 3 RPMS 40' O.C.

05
N/F
KENNY M. PELFREY AND
DEBORAH B. PELFREY
PARCEL ID: 113 120
6104 HWY 53 E

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

Dawson County Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

MATCH LINE STA. 301+50.00 DRAWING No. 26-0007

MATCH LINE STA. 104+50.00 DRAWING No. 26-0001

MATCH LINE STA. 110+50.00 DRAWING No. 26-0003

MATCH LINE STA. 213+00 DRAWING No. 26-0006

03
N/F
1618 LAND HOLDINGS LLC
PARCEL ID: 113 037
LUMPKIN CMPGD RD N

06
N/F
D53, LLC
PARCEL ID: 113 011
LUMPKIN CMPGD RD N

05
N/F
KENNY M. PELFREY AND
DEBORAH B. PELFREY
PARCEL ID: 113 120
6104 HWY 53 E

10
N/F
SCA INVESTMENTS GROUP,LLC
PARCEL ID: 113 038
33 LUMPKIN CMPGD RD S

SR 53
STA 106+31.56
LUMPKIN CAMPGROUND ROAD NORTH
STA 300+00.00
∢ 80°39'55.5"

SR 53
STA 106+34.95
LUMPKIN CAMPGROUND ROAD SOUTH
STA 214+50.00
∢ 83°12'45.3"

N39°26'07.8"E
S41°13'47.8"E
N41°58'57.5"E

LUMPKIN CAMPGROUND RD

301+00
105+00
106+00
107+00
108+00
109+00
110+00
300+00
214+00
213+00

TESMT
DWESMT
DW5 +36

3'(H) SILT FENCE

24" THERMOPLASTIC SOLID WHITE (TYP.)

8" THERMOPLASTIC SOLID WHITE (TYP.)

6" THERMOPLASTIC SKIP YELLOW (TYP) 2' SEG., 6' GAP

6" THERMOPLASTIC SKIP WHITE (TYP.) 2' SEG., 6' GAP

6" THERMOPLASTIC SOLID YELLOW (TYP.)

6" THERMOPLASTIC SKIP YELLOW (TYP) 10' SEG., 30' GAP W/ TP. 1 RPMS 40' O.C.

6" THERMOPLASTIC SOLID WHITE (TYP.) W/ TP. 3 RPMS 20' O.C.

6" THERMOPLASTIC SOLID WHITE (TYP.)

6" THERMOPLASTIC SKIP WHITE (TYP.) 2' SEG., 6' GAP

6" THERMOPLASTIC SKIP WHITE (TYP.) 10' SEG., 30' GAP W/ TP. 3 RPMS 40' O.C.

6" THERMOPLASTIC SOLID DOUBLE YELLOW (TYP.) W/ TP. 1 RPMS 2 EA 40' O.C.

REMOVE EXIST. R3-7

REMOVE EXIST. R3-7

REPAVE TO DRAIN

END FULL DEPTH WIDENING STA 107+25.00

REQ'D R/W

TP. 1 ARROW (TYP.)

TP. 2 ARROW (TYP.)

TP. 3 ARROW (TYP.)

HANDRAIL

12'

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
SR 53 @ LUMPKIN CAMPGROUND ROAD INTERSECTION IMPROVEMENTS

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

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

MATCH LINE STA. 110+50.00 DRAWING No. 26-0002

MATCH LINE STA. 116+50.00 DRAWING No. 26-0004

6" THERMOPLASTIC SOLID YELLOW (TYP.)

6" THERMOPLASTIC SKIP YELLOW (TYP) 10' SEG., 30' GAP W/ TP. 1 RPMS 40' O.C.

6" THERMOPLASTIC SOLID DOUBLE YELLOW (TYP.) W/ TP. 1 RPMS 2 EA 40' O.C.

6" THERMOPLASTIC SOLID WHITE (TYP.)

6" THERMOPLASTIC SKIP WHITE (TYP.) 2' SEG., 6' GAP

111+00 112+00 113+00 114+00 115+00 116+00

SR 53

12' 12' 12' 12' 16' 12' 12'

TP. 2 ARROW (TYP.)

S41°13'47.8"E

STOP R1-1 30"X30" STA. 112+13.28 OFF. 41.89' RT.

6" THERMOPLASTIC SKIP WHITE (TYP.) 10' SEG., 30' GAP W/ TP. 3 RPMS 40' O.C.

6" THERMOPLASTIC SOLID WHITE (TYP.) W/ TP. 3 RPMS 20' O.C.

6" THERMOPLASTIC SKIP YELLOW (TYP.) 2' SEG., 6' GAP

STOP R1-1 30"X30" STA. 116+33.39 OFF. 60.94' RT.

WHITE HATCHING GDOT DETAIL T-14, C 242 SY

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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
EXISTING LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS	
EXISTING LIMIT OF ACCESS & R/W	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA	

Dawson County Est. 1857 "Where Quality of Life Matters"

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SCALE IN FEET 0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
SR 53 @ LUMPKIN CAMPGROUND ROAD INTERSECTION IMPROVEMENTS

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

GPLN-CE 11/05/2020

NOT RELEASED FOR CONSTRUCTION

MATCH LINE STA. 116+50.00 DRAWING No. 26-0003

6" THERMOPLASTIC SKIP YELLOW (TYP.) 2' SEG., 6' GAP

6" THERMOPLASTIC SOLID DOUBLE YELLOW (TYP.) W/ TP. 1 RPMS 2 EA 40' O.C.

6" THERMOPLASTIC SOLID WHITE (TYP.)

117+00

118+00

119+00

120+00

121+00

122+00

RIGHT LANE ENDS

TP. 1 ARROW (TYP.)

TP. 2 ARROW (TYP.)

12'-4"

12'

12'

12'

12'

SR 53

S41°13'47.8"E

YELLOW HATCHING GDOT DETAIL T-14, C 69 SY

WHITE HATCHING GDOT DETAIL T-14, C 242 SY

BEGIN FULL DEPTH STA 116+60.00

6" THERMOPLASTIC SKIP WHITE (TYP.) 2' SEG., 6' GAP

6" THERMOPLASTIC SOLID WHITE (TYP.) W/ TP. 3 RPMS 20' O.C.

6" THERMOPLASTIC SKIP WHITE (TYP.) 10' SEG., 30' GAP W/ TP. 3 RPMS 40' O.C.

END PROJECT STA 122+50 N:1587575.527 E:2335628.527

PROPERTY AND EXISTING R/W LINE ----------P----------

REQUIRED R/W LINE ——————————

CONSTRUCTION LIMITS ——C——F——

EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA

END LIMIT OF ACCESS.....ELA

EXISTING LIMIT OF ACCESS

REQ'D LIMIT OF ACCESS

EXISTING LIMIT OF ACCESS & R/W

REQ'D LIMIT OF ACCESS & R/W

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA

Dawson County Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET

0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS SR 53 @ LUMPKIN CAMPGROUND ROAD INTERSECTION IMPROVEMENTS

CHECKED: DATE:

BACKCHECKED: DATE:

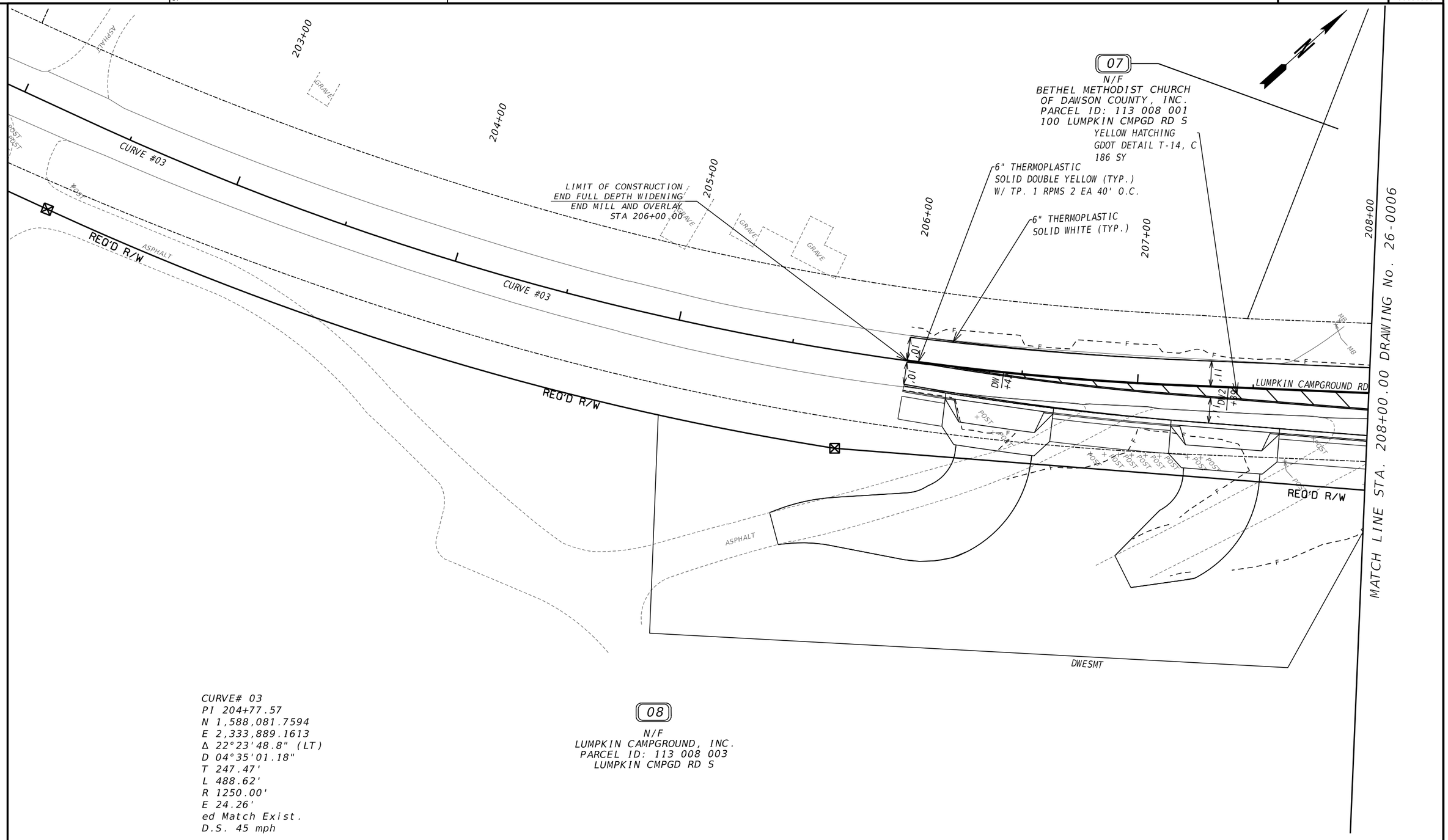
CORRECTED: DATE:

VERIFIED: DATE:

DRAWING No. 26-0004

GPLN-CE 11/05/2020

NOT RELEASED FOR CONSTRUCTION



CURVE# 03
PI 204+77.57
N 1,588,081.7594
E 2,333,889.1613
Δ 22°23'48.8" (LT)
D 04°35'01.18"
T 247.47'
L 488.62'
R 1250.00'
E 24.26'
ed Match Exist.
D.S. 45 mph

08
N/F
LUMPKIN CAMPGROUND, INC.
PARCEL ID: 113 008 003
LUMPKIN CMPGD RD S

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

Dawson County Est. 1857 "Where Quality of Life Matters"

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SCALE IN FEET
0 20 40 80

REVISION DATES

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SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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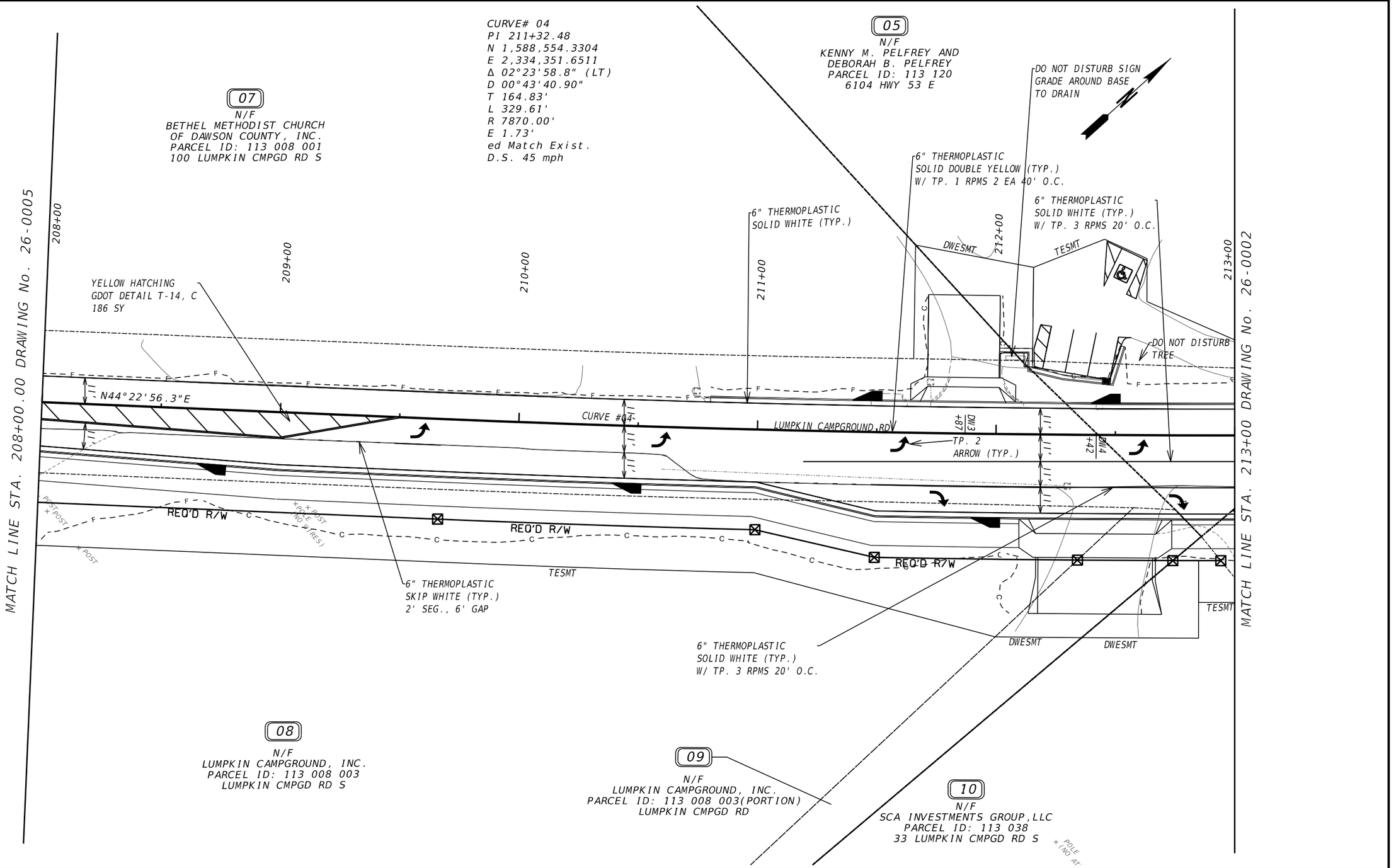
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
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REVISION DATES

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SR 53 @ LUMPKIN CAMPGROUND ROAD
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GPLN-CE 11/05/2020

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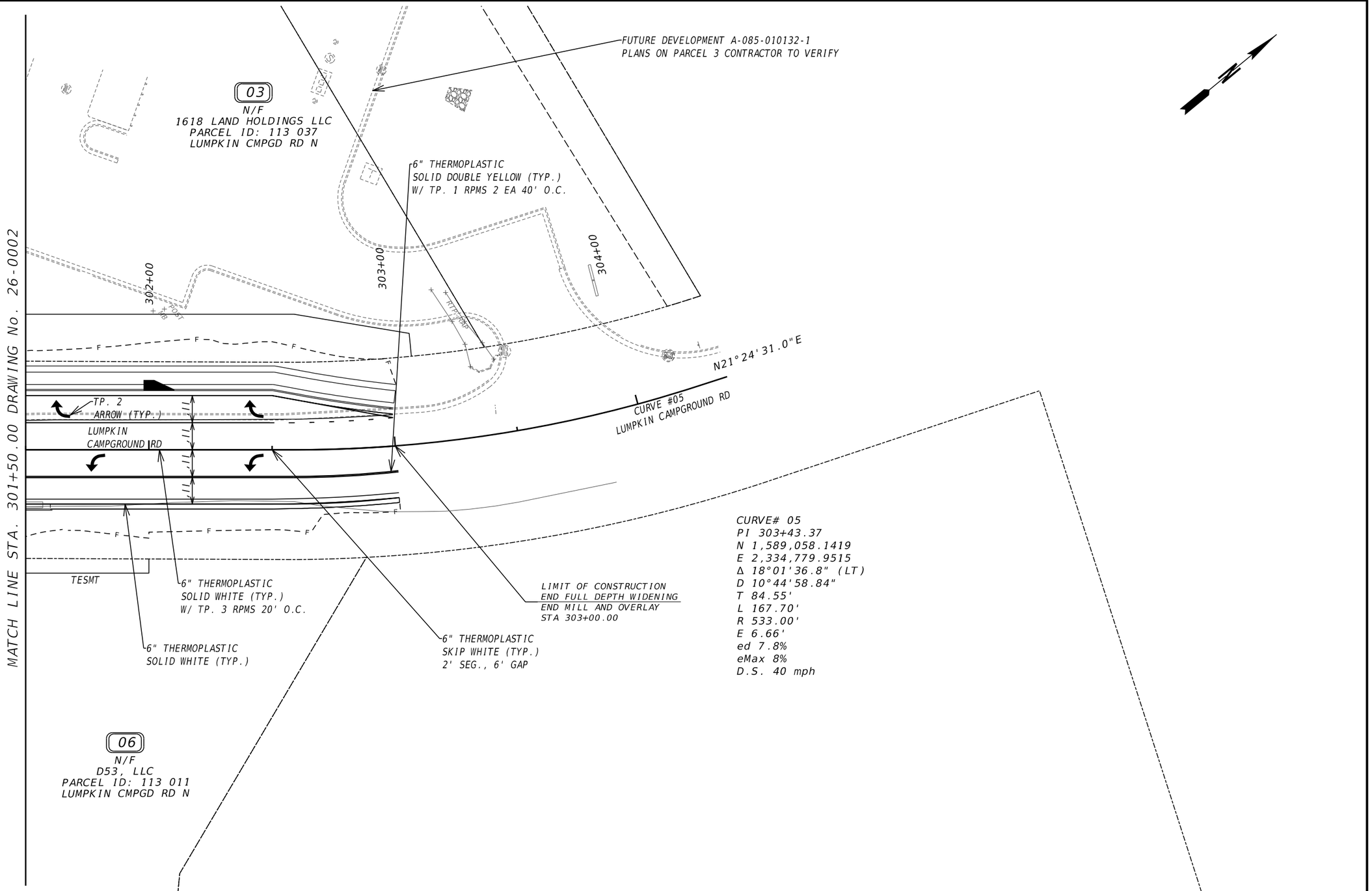

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

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SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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GPLN-CE
11/05/2020

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FEBRUARY 2021 REVISION

GENERAL NOTES - TRAFFIC SIGNALS

1. THE COMPLETE SIGNAL INSTALLATION SHALL CONFORM TO ALL APPROPRIATE PARTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.

2. SIGNAL HEADS SHALL BE ERECTED TO PROVIDE AT LEAST 17 FEET BUT NO MORE THAN 19 FEET CLEARANCE FROM BOTTOM OF SIGNAL HEADS TO TOP OF ROAD SURFACE AND A MINIMUM OF 8 FEET MEASURED HORIZONTALLY BETWEEN CENTERS OF SIGNAL FACES.

3. SHIELDED CABLE WILL BE USED FOR DETECTOR RUNS AS SHOWN ON THE DETAIL SHEET, DETECTORS SHALL HAVE SEPARATE LEAD-INS TO THE CONTROL CABINET.

4. THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES IN VICINITY OF NEW TRAFFIC SIGNAL POLES PRIOR TO ORDERING. AT THE DISCRETION OF THE ENGINEER, MINOR SHIFTS, (UP TO A MAXIMUM OF 5 FEET), IN LOCATION OF NEW SIGNAL POLES, ARE ACCEPTABLE TO AVOID UNDERGROUND UTILITIES. MINIMUM CLEARANCES FROM EDGE OF PAVEMENT SHALL BE MAINTAINED. PLACEMENT OF THE SIGNAL HEADS SHALL BE RETAINED AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE WITH THE OFFICE OF UTILITIES FOR ALL "MAKE READY" WORK.

5. THE CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC SIGNALS DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC SIGNAL AND/OR CONTROL SYSTEM ADJUSTMENTS, INCLUDING TEMPORARY SUPPORT POLE LOCATION(S) REQUIRED BY THE PROJECT DURING THE INTERIM PERIOD THROUGH INSTALLATION OF NEW SIGNAL EQUIPMENT. AT NO TIME SHALL THE CONTRACTOR CAUSE ANY PART OF THE SIGNAL OPERATION TO BE INOPERABLE.

6. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL NEW GUYS ON EXISTING UTILITY TIMBER POLES WHEN ATTACHING SPAN WIRE OR INTERCONNECT CABLE TO THE POLES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

7. INSTALLATION IS TO BE CHECKED AND ACCEPTED BY THE DISTRICT TRAFFIC ENGINEER PRIOR TO FINAL ACCEPTANCE.

8. WHEN REMOVED, EXISTING EQUIPMENT SHALL BE DELIVERED AND UNLOADED BY THE CONTRACTOR TO THE DEPARTMENT OF TRANSPORTATION, OFFICE OF TRAFFIC OPERATIONS, DISTRICT SIGNAL SHOP. CONTACT THE DISTRICT SIGNAL ENGINEER AT (770) 531-5859. THE ADDRESS FOR THE SIGNAL SHOP IS 2550 GILLSVILLE HIGHWAY, BUILDING F, GAINESVILLE, GA 30507. ALLOW FOR A 48-HOUR ADVANCE NOTICE PRIOR TO DELIVERY.

9. FOR STRAIN POLE FOUNDATION SIZE AND REINFORCEMENT, SEE STRAIN POLE AND MAST ARM POLE FOUNDATION SHEET.

10. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL INSTALLATION WORK. THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN THE DOT SPECIFICATION.

11. THE INSTALLATIONS SHALL BE CAPABLE OF MONITORING OVER ETHERNET NETWORKS FROM EXISTING CELLULAR ROUTERS, PROVIDED BY GDOT, OR VIA FIBER, PER THE DISTRICT SIGNAL ENGINEER. DEMONSTRATION OF NETWORK CAPABILITIES ON GDOT NETWORK IS REQUIRED BY THE CONTRACTOR, NOTED PRIOR TO FINAL ACCEPTANCE.

12. ALL EXISTING STOP BARS, WORDS, ARROWS AND CROSSWALKS THAT ARE NOT REMOVED OR RELOCATED SHALL BE REPLACED IN ACCORDANCE WITH CURRENT GDOT STANDARDS.

13. PROPOSED SIGNAL SUPPORT WIRE ATTACHMENT HEIGHTS ON POLES ARE PROVIDED AS GENERAL GUIDELINES TO INSTALLER. ACTUAL ATTACHMENT HEIGHTS SHALL BE FIELD DETERMINED BY INSTALLER TO PROVIDE REQUIRED SIGNAL HEAD MOUNTING HEIGHTS AND CLEARANCE FROM EXISTING UTILITIES.

14. SAWCUTS AND REMOVAL OF ALL CONCRETE ASSOCIATED WITH CURB CUT RAMPS SHALL BE INCLUDED IN THE SIDEWALK PAY ITEM.

15. THE CONTRACTOR SHALL REPLACE IN KIND AND SIZE, AT NO SEPARATE EXPENSE TO THE DEPARTMENT, ANY BARRIER WALL, FENCE, DITCH PAVING, CURBING, SIDEWALK, GUTTER, SLOPE PAVEMENT, SIGNS, GUARDRAILS, LANDSCAPING, GRASSINGS, UTILITY SERVICE LINES, STORM DRAIN PIPES, MASONRY WALLS AND PAVING THAT IS REMOVED, DAMAGED OR DESTROYED, DUE TO CONTRACTOR'S ACTIVITY.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION CONTROL MEASURES TO ENSURE COMPLIANCE TO ALL STATE AND FEDERAL LAWS AND GUIDELINES. THE COST SHALL BE CONSIDERED INCIDENTAL AND BE INCLUDED IN THE OVERALL BID PRICE. NO ADDITIONAL PAYMENTS SHALL BE MADE TO THE CONTRACTOR FOR EROSION CONTROL.

17. ALL TRAFFIC MARKING, SYMBOLS OR STRIPING TO BE REMOVED AND/OR REPLACED SHALL BE PAID FOR IN THE TRAFFIC CONTROL LUMP SUM ITEM.

18. THE CONTRACTOR SHALL RELOCATE ANY EXISTING EQUIPMENT NOT NOTED ON THE PLANS, AT NO ADDITIONAL COST TO THE DEPARTMENT. RE-INSTALLATION SHALL COMPLY WITH THE CURRENT GDOT SPECIFICATIONS. ANY NON-ESSENTIAL EQUIPMENT THAT IS NOT RELOCATED SHALL BE RETURNED TO GDOT.

19. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH MODIFYING EXISTING AND ESTABLISHING NEW POWER AND COMMUNICATIONS SERVICES FOR TRAFFIC SIGNAL, VIDEO DETECTION SYSTEMS AND/OR CCTV CAMERAS ON THIS PROJECT. IF A UTILITY TRANSFORMER IS REQUIRED FOR TRAFFIC SIGNAL EQUIPMENT, IT IS THE RESPONSIBLITY OF THE CONTRACTOR TO INCLUDE AS PART OF THEIR BID PRICE, FOR THAT TRAFFIC SIGNAL INSTALLATION IF THE RESPECTIVE UTILITY REQUIRES PAYMENT FOR INSTALLATION.

20. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL MONTHLY POWER AND COMMUNICATION SERVICE TO THE TRAFFIC SIGNAL INSTALLATION AND SUPPORT DEVICES, UNTIL THE NEW TRAFFIC SIGNAL INSTALLATION HAS SATISFACTORILY COMPLETED A TEST PERIOD OF UNINTERRUPTED OPERATION, FOR 30 DAYS. UPON COMPLETION OF THE TEST PERIOD, THE CONTRACTOR WILL COMPLETE A TRANSFER OF UTILITY COST TO GEORGIA DEPARTMENT OF TRANSPORTATION.

21. THE CONTRACTOR SHALL MAINTAIN EXISTING DETECTION THROUGHOUT THE DURATION OF THE PROJECT. EXISTING LOOPS THAT ARE REMOVED OR DESTROYED AS PART OF A CONSTRUCTION, REHABILITATION, OR MAINTENANCE PROJECT SHALL BE REPLACED AND RETURNED TO FULL OPERATION WITHIN THE FOLLOWING TIME FRAMES, BASED ON THE FOLLOWING ROUTE PRIORITIZATION RATING:

STATE ROUTE PRIORITIZATION RATING	LEFT-TURN DETECTION	MAINLINE / SIDE-STREET PRESENCE DETECTION	SET-BACK DETECTION
CRITICAL / HIGH	5 DAYS	5 DAYS	28 DAYS
MEDIUM	14 DAYS	14 DAYS	28 DAYS
LOW	28 DAYS	28 DAYS	28 DAYS

IF NOT FEASIBLE, OTHER FORMS OF DETECTION, SUCH AS RADAR OR VIDEO, MAY TEMPORARILY BE USED (WITHIN THE SAME TIME FRAMES), WITH GDOT APPROVAL. THE OFFICE OF TRANSPORTATION DATA WILL PROVIDE THE PRIORITIZATION RATING OF THE STATE ROUTE. ALL COSTS ASSOCIATED WITH THE REPLACEMENT OF THE LOOPS DAMAGED DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

GEORGIA811 www.Georgia811.com
Know what's below. Call before you dig.

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

REVISION DATES

SIGNAL PLAN
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

NOT RELEASED FOR CONSTRUCTION

LEGEND - TRAFFIC SIGNALS

EXISTING

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION FACE
- 3 SECTION FACE W/BACKPLATE
- 4 SECTION FACE
- 4 SECTION FACE W/BACKPLATE
- 4/5 SECTION (CLUSTER/T-SHAPE) FACE
- 4/5 SECTION (CLUSTER/T-SHAPE) FACE W/BACKPLATE
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL FACE
- CURB CUT RAMP, ALL TYPE
- PULLBOX, (TYPE TO BE CALLED OUT)
- DIPOLE INDUCTANCE LOOP (SIZE TO BE CALLED OUT)
- QUADRUPOLE INDUCTANCE LOOP (SIZE TO BE CALLED OUT)
- VIRTUAL DETECTION ZONE (RADAR, VIDEO, ETC.)
- CONDUIT, ALL TYPE
- RAILROAD CONTROLLER
- SIGN POST
- RADAR DETECTION DEVICE
- MAGNETOMETER DETECTION DEVICE
- VIDEO DETECTION DEVICE

PROPOSED

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION FACE W/BACKPLATE
- 4 SECTION FACE W/BACKPLATE
- 4/5 SECTION (CLUSTER/T-SHAPE) FACE W/BACKPLATE
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL FACE
- CURB CUT RAMP, (TYPE TO BE CALLED OUT)
- PULLBOX, (TYPE TO BE CALLED OUT)
- DIPOLE INDUCTANCE LOOP (SIZE TO BE CALLED OUT)
- QUADRUPOLE INDUCTANCE LOOP (SIZE TO BE CALLED OUT)
- VIRTUAL DETECTION ZONE (RADAR, VIDEO, ETC.)
- CONDUIT, (TYPE TO BE CALLED OUT)
- CONDUIT, DIRECTIONAL BORE
- RAILROAD CONTROLLER CABINET
- SIGN POST
- RADAR DETECTION DEVICE
- MAGNETOMETER DETECTION DEVICE
- VIDEO DETECTION DEVICE

RELOCATED

- 3 SECTION FACE W/BACKPLATE
- 4 SECTION FACE W/BACKPLATE
- 4/5 SECTION (CLUSTER/T-SHAPE) FACE W/BACKPLATE
- PEDESTAL POLE
- PED SIGNAL FACE

AGENCY SPECIFIC

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

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

REVISION DATES		

SIGNAL PLAN
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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CORRECTED:		DATE:		
VERIFIED:		DATE:		

NOT RELEASED FOR CONSTRUCTION

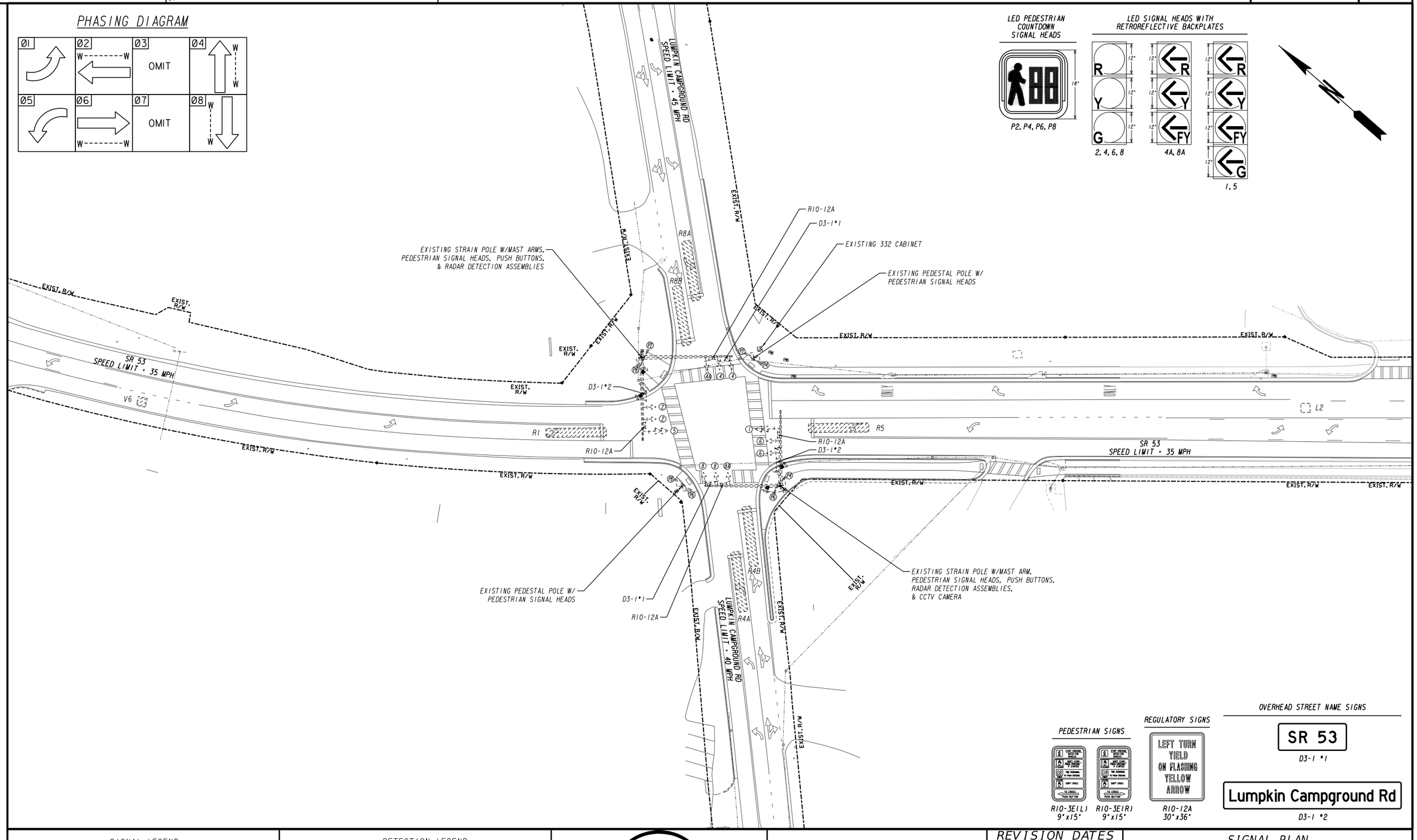
PHASING DIAGRAM

LED PEDESTRIAN COUNTDOWN SIGNAL HEADS

P2, P4, P6, P8

LED SIGNAL HEADS WITH RETROREFLECTIVE BACKPLATES

2, 4, 6, 8 | 4A, 8A | 1, 5



PEDESTRIAN SIGNS

R10-3E(L) 9"x15" | R10-3E(R) 9"x15"

REGULATORY SIGNS

R10-12A 30"x36"

OVERHEAD STREET NAME SIGNS

D3-1 •1

D3-1 •2

SIGNAL LEGEND

- PROPOSED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- EXISTING SIGNAL HEAD
- PROPOSED 5-SECTION (CLUSTER) SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND

- PROPOSED VIRTUAL DETECTION ZONE
- PROPOSED INDUCTIVE LOOP
- PROPOSED VIDEO DETECTION CAMERA
- PROPOSED MAGNETOMETER
- PROPOSED RADAR

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

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SCALE IN FEET
0 30 60 120

REVISION DATES

SIGNAL PLAN
SR 53 @ LUMPKIN CAMPGROUND ROAD INTERSECTION IMPROVEMENTS

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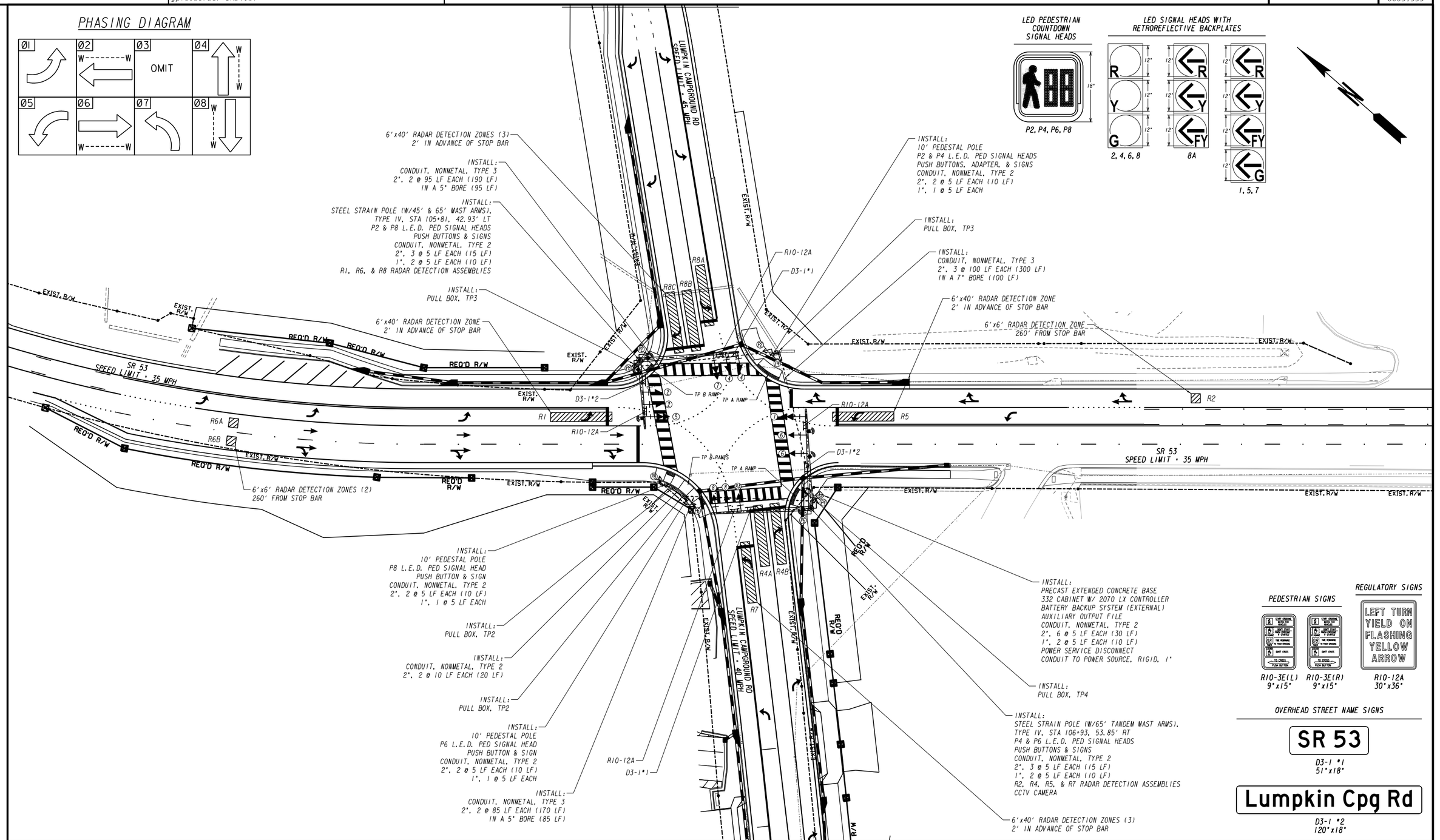
GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

PHASING DIAGRAM



LED PEDESTRIAN COUNTDOWN SIGNAL HEADS

P2, P4, P6, P8

LED SIGNAL HEADS WITH RETROREFLECTIVE BACKPLATES

2, 4, 6, 8 | 8A | 1, 5, 7

PEDESTRIAN SIGNS

R10-3E(L) 9"x15" | R10-3E(R) 9"x15"

REGULATORY SIGNS

R10-12A 30"x36"

OVERHEAD STREET NAME SIGNS

D3-1 *1 51"x18"

D3-1 *2 120"x18"

SIGNAL LEGEND

- PROPOSED SIGNAL HEAD
- EXISTING SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- PROPOSED 5-SECTION (CLUSTER) SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND

- PROPOSED VIRTUAL DETECTION ZONE
- PROPOSED INDUCTIVE LOOP
- PROPOSED VIDEO DETECTION CAMERA
- PROPOSED MAGNETOMETER
- PROPOSED RADAR

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 30 60 120

APPROVED
TMC
Georgia D.O.T.

SIGNAL PLAN
SR 53 @ LUMPKIN CAMPGROUND ROAD INTERSECTION IMPROVEMENTS

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GPLN-CE
11/05/2020

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INTERSECTION OF SR 53 & LUMPKIN CAMPGROUND ROAD

LIST OF MATERIALS

MATERIALS	UNIT	QUANTITY
CONTROL CABINET ASSEMBLIES		
A. CONTROLLER UNIT, MODEL 2070LX	EACH	1
B. CABINET ASSEMBLY, MODEL 332L	EACH	1
C. SWITCH PACK	EACH	15
D. DC ISOLATOR	EACH	3
E. 2018 SIGNAL MONITOR, KCLIP	EACH	1
F. AUXILIARY OUTPUT FILE	EACH	1
G. 5G CELLULAR MODEM	EACH	1
G. POWER DISCONNECT BOX	EACH	1
BATTERY BACKUP SYSTEM - EXTERNAL MOUNTED, CABINET (PER GDOT SPECS)	EACH	1
332 PREFABRICATED CONTROLLER CABINET BASE W/BBS EXTENSION	EACH	1
PC642-200 (OR EQUIVALENT), SURGE PROTECTOR	EACH	1
LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT)		
A. 3 PAIR, 14 AWG	REEL	1
SIGNAL CABLE (14 AWG)		
A. 7 CONDUCTOR PER 1000 FT	REEL	2
3-SECTION, 12" SIGNAL HEAD LED - BLACK HOUSING WITH BLACK FRONT, PLASTIC	EACH	8
3-SECTION, 12" SIGNAL HEAD LED (FYA PERMISSIVE) - BLACK HOUSING WITH BLACK FRONT, PLASTIC	EACH	1
4-SECTION, 12" SIGNAL HEAD LED (FYA) - BLACK HOUSING WITH BLACK FRONT, PLASTIC	EACH	3
BACKPLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, BLACK WITH RETROREFLECTIVE STRIP	EACH	9
BACKPLATE FOR ONE-WAY, 4-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, BLACK WITH RETROREFLECTIVE STRIP	EACH	3
HARDWARE FOR MAST ARM MOUNTING	EACH	12
1-SECTION, 16"x18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP, 9" HIGH, NUMBERS & 12" SYMBOLS, BLACK	EACH	8
PEDESTRIAN PUSHBUTTON STATIONS ADAPTERS (ONLY), 9"x15", DOUBLE PUSH BUTTON STATION ADAPTER FOR 4" DIA PEDESTRIAN POLE, ADJUSTABLE	EACH	1
PEDESTRIAN PUSHBUTTON STATIONS, WITH BUTTONS AND SIGNS, 9"x15", R10-3E, (L)EFT OR (R)IGHT, COUNTDOWN	EACH	8
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, ONE-WAY BRACKET ASSEMBLY	EACH	2
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, TWO-WAY BRACKET ASSEMBLY	EACH	1
HARDWARE FOR SIDE-OF-POLE MOUNTING, TWO-WAY BRACKET ASSEMBLY	EACH	2
PEDESTAL POLE & SQUARE BASE, BLACK POWDER COATED, SMOOTH FINISH	EACH	3
PULLBOX, TP2	EACH	2
PULLBOX, TP3	EACH	2
CONDUIT, RIGID, 1"	LF	150
CONDUIT, NONMETAL, TP2, 1"	LF	45
CONDUIT, NONMETAL, TP2, 2"	LF	110
CONDUIT, NONMETAL, TP3, 2"	LF	660
MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATIONS	LUMP	LUMP

PAY ITEMS

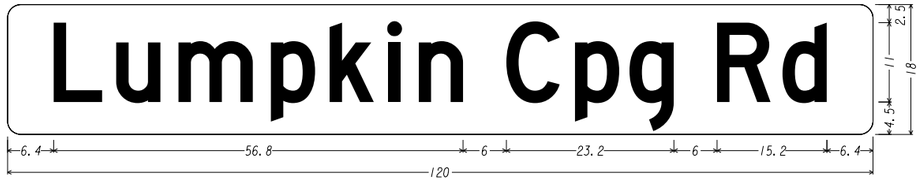
PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 9	SF	30
636-1041	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING TP 9	SF	43
639-3004	STEEL STRAIN POLE, TYPE IV (W/ TANDEM 65' MAST ARMS) (BLACK POWDER COATED, SMOOTH FINISH)	EACH	1
639-3004	STEEL STRAIN POLE, TYPE IV (W/ 45' & 65' MAST ARMS) (BLACK POWDER COATED, SMOOTH FINISH)	EACH	1
639-3004	STEEL STRAIN POLE, TYPE IV (W/ 45' MAST ARM) (BLACK POWDER COATED, SMOOTH FINISH)	EACH	1
647-1000	TRAFFIC SIGNAL INSTALLATION #1	LUMP	LUMP
682-2140	PULL BOX, TP4	EACH	1
682-9950	DIRECTIONAL BORE, 5"	LF	185
682-9950	DIRECTIONAL BORE, 7"	LF	95
936-4000	CCTV CAMERA SYSTEM, TYPE 1	EACH	1
936-4901	CCTV MOUNTING ARM, TYPE 1	EACH	1
937-4100	PEDESTRIAN DETECTION SYSTEM, TYPE B, #1	LUMP	LUMP
937-6000	MICROWAVE RADAR DETECTION ASSEMBLY	EACH	6
937-8020	TESTING - MICROWAVE DETECTION SYSTEM	LUMP	LUMP
937-8520	TRAINING - MICROWAVE DETECTION SYSTEM	LUMP	LUMP
939-5020	ELECTRICAL POWER SERVICE ASSEMBLY (UNDERGROUND SERVICE POINT)	EACH	1

NOTES

QUANTITIES ARE FOR INFORMATION ONLY. THE CONTRACTOR SHOULD FIELD VERIFY PRIOR TO BIDDING TO REDUCE NEED FOR SUPPLEMENTAL AGREEMENT.

OVERHEAD STREET NAME SIGNS

D3-1 #1;
1.875" Radius, 0.0" Border, White on Green;
"SR", D; "53", D;



D3-1 #2;
1.875" Radius, 0.0" Border, White on Green;
"Lumpkin", D 70% spacing; "Cpg", D 70% spacing; "Rd", D 70% spacing;

STANDARD SIGNS

STATION	INSTL. NO.	CODE	SIGNS (TYPE 9 REFLECTIVE SHEETING)					
			TYPE 1 (0.08)			TYPE 2 (0.10)		
			SIZE	QUANTITY	SQUARE FEET	SIZE	QUANTITY	SQUARE FEET
	1	D3-1 #1				51"X18"	2	12.75
	2	D3-1 #2				120"X18"	2	30.00
	3	R10-12A	30"X36"	4	30.00			
SUBTOTAL				4	30.00		4	42.75
ENGINEERING					0.00			0.25
TOTAL				4	30.00		4	43.00

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

REVISION DATES

SIGNAL PLAN
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		27-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

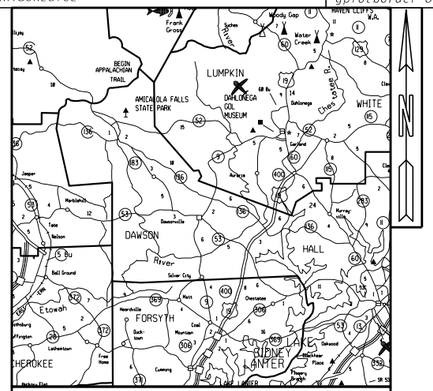
GPLN-CE
11/05/2020

5/1/2026	GPLOT-ORD	00031333_001_50.dgn	STATE	COUNTY
Adan.Gonzalez	gplotborder-ORD.tbl	CONCOV	GA	DAWSON

DEPARTMENT OF TRANSPORTATION
DAWSON COUNTY

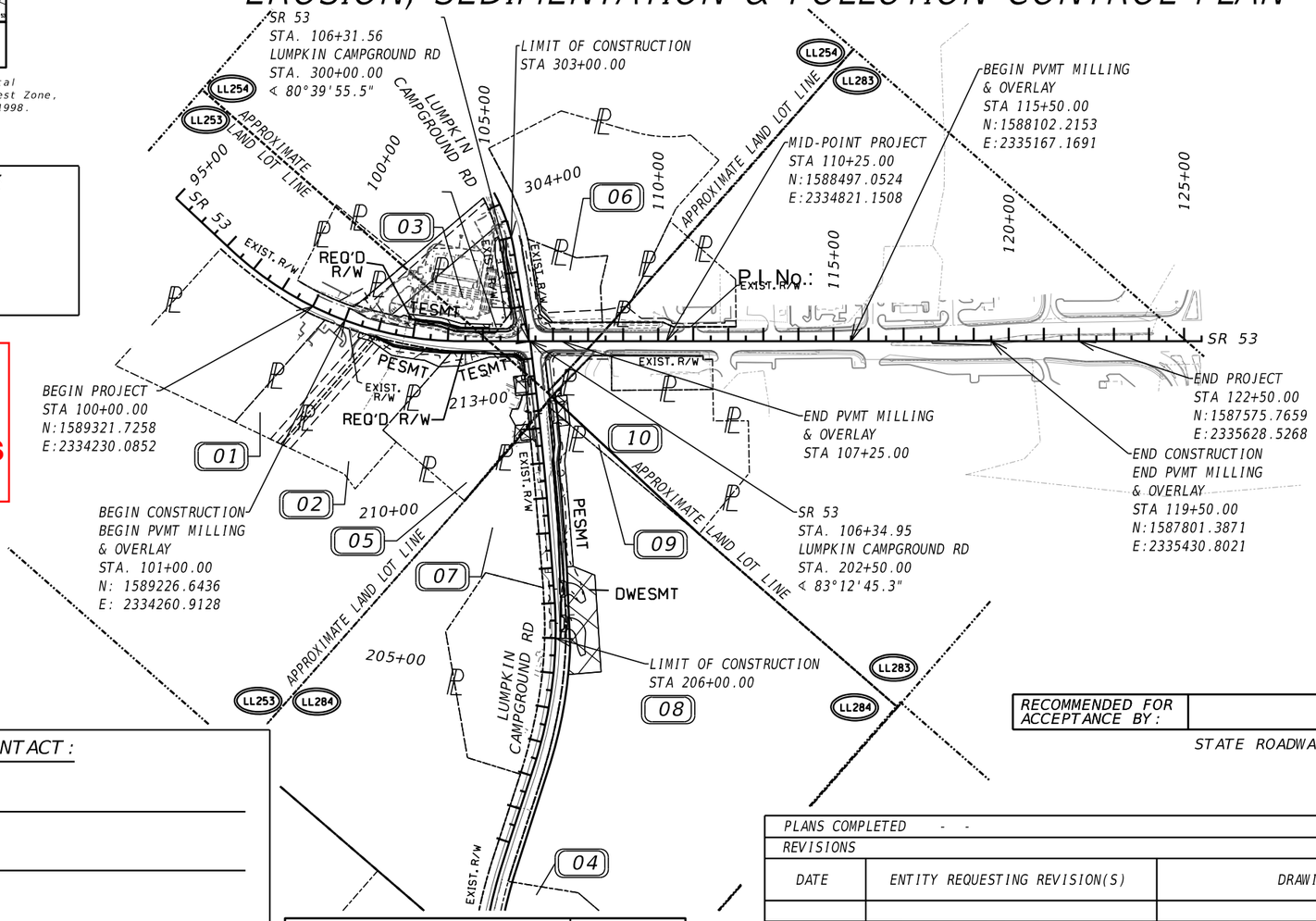
SR 53 AT LUMPKIN CAMPGROUND RD INTERSECTION IMPROVEMENTS

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN



LOCATION SKETCH

This project has been prepared using the Horizontal Georgia Coordinate System of 1984(NAD 1983)/84 West Zone, and the North American Vertical Datum (NAVD) of 1998.



05-01-2026
NOT RELEASED FOR CONSTRUCTION
FOR BIDDING PURPOSES ONLY

PRIMARY PERMITTEE

DAWSON COUNTY
25 Justice Way
Dawsonville, Georgia 30534
Phone: (706) 344-3500
Email: dawsoncounty.ga.gov

BEGIN-POINT COORDINATES
Longitude: -84.0419°
Latitude: 34.3689°

MID-POINT COORDINATES
Longitude: -84.0400°
Latitude: 34.3666°

END-POINT COORDINATES
Longitude: -84.0374°
Latitude: 34.3642°

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

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

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

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

DATE

ADAN GONZALEZ VELAZQUEZ, P.E.
LEVEL II CERTIFIED DESIGN PROFESSIONAL
GSWCC# 0000096234
EXPIRES: 12/20/2027

RECOMMENDED FOR ACCEPTANCE BY:

STATE ROADWAY DESIGN ENGINEER

PLANS PREPARED BY: KCI

24 HOUR CONTACT:

Name

Street Address

City. State Zip

Phone Number

Email Address

Contractor shall complete the information in this box.

LENGTH OF PROJECT	DAWSON COUNTY MILES
NET LENGTH OF ROADWAY	0.426
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	0.426
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.426

PLANS COMPLETED - -

REVISIONS

DATE	ENTITY REQUESTING REVISION(S)	DRAWING NUMBER(S)	SIGNATURE	GSWCC LEVEL II CERT.#

DRAWING No.
50-0001

NOT RELEASED FOR CONSTRUCTION

UPPER CHATTAHOOCHEE RIVER SWCD
SR 53 AT LUMPKIN CAMPGROUND RD SR 53 AT LUMPKIN CAMPGROUND RD
DAWSON

ADAN GONZALEZ (Adan.Gonzalez@kci.com)

TO BE SHOWN ON ES&PC PLAN

Plan Page #	Included Y/N		
50-0001	Y	1	The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed. **Permit IV.D.1. pg 28**
50-0001		2	Level II certification number issued by the Commission, signature and seal of the certified design professional. Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed. The Level II certification must be issued to the Design Professional, after completion of a GSWCC approved course, and whose signature and seal are on the Plan.
50-0001	Y	3	The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.
50-0001	Y	4	Provide the name, address, email address, and phone number of Primary Permittee.
50-0001	Y	5	Note total and disturbed acreages of the project or phase under construction.
50-0001	Y	6	Provide the GPS locations of the beginning and end of the infrastructure project. Give the Latitudes and Longitudes in decimal degrees.
50-0001	Y	7	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
51-0002	Y	8	Descriptions of the nature of construction activity and existing site conditions.
50-0001	Y	9	Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
55-0001	Y	10	Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
50-0001	Y	11	Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on **Part IV page 21** of the permit.
50-0001	Y	12	Design professional's certification statement and signature that the Permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on **Part IV page 21** of the permit. *
50-0001	Y	13	Design professional certification statement and signature that the Permittee's ES&PC Plan provides for representative sampling as stated on **Part IV.D.6.c.(3). page 37** of the permit as applicable. *
51-0004	Y	14	Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect and certify the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation." *
51-0003	Y	15	Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
51-0003	Y	16	Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
51-0002	Y	17	Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." *
51-0002	Y	18	Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." *
51-0002	Y	19	Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
51-0002	Y	20	Clearly note statement that "Erosion control measures will be maintained at all times. If 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."
51-0002	Y	21	Clearly note the statement "Any disturbed area left exposed for a period greater than ‘4 days shall be stabilized with mulch or temporary seeding."
N/A	N	22	Any construction activity which discharges storm water into a Biota Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as any portion of a Biota Impaired Stream Segment, must comply with **Part III.C.** of the permit. Include the completed Appendix 1 of this checklist with at least 4 of the chosen BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. *
N/A	N	23	If a TMDL Implementation Plan for sediment has been finalized for the Biota Impaired Stream Segment (identified in Item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
51-0002	Y	24	BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Include statement that washout of the drum at the construction site is prohibited. *
51-0002	Y	25	Provide BMPs for the remediation of all petroleum spills and leaks.
51-0002	Y	26	Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. *
51-0002	Y	27	Description of practices to provide cover for building materials and building products on site. *
51-0002	Y	28	Description of the practices that will be used to reduce the pollutants in storm water discharges. *
51-0002	Y	29	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, grading, infrastructure, temporary and final stabilization).
51-0004	Y	30	Provide complete requirements of Inspections and record keeping by the Primary Permittee. *
51-0004	Y	31	Provide complete requirements of Sampling Frequency and Reporting of sampling results. *
51-0004	Y	32	Provide complete details for Retention of Records as per **Part IV.F.** of the permit. *
51-0004	Y	33	Description of analytical methods to be used to collect and analyze the samples from each location. *
51-0004	Y	34	Appendix B rationale for NTU values at all outfall sampling points where applicable. *
51-0004 55-0001	Y	35	Delineate all sampling locations on all phases of the Plan, and perennial and intermittent streams and other water bodies into which storm water is discharged. *
51-0002	Y	36	A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial sediment storage requirements and initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all 3MPs into a single phase plan. *
50-0001 53 Series 54 Series 55 Series	Y	37	Graphic scale and North arrow.
54 Series	Y	38	Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:
N/A	N	39	Use of Alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.
N/A	N	40	Use of Alternative BMP for application to the Equivalent BMP List. Refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. *
53-0001 54 Series	Y	41	Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State Waters and any additional buffers as required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
53-0001 54 Series	Y	42	Delineation of all State Waters and wetlands located on or within 200 feet of the project site.
53-0001	Y	43	Delineation and acreage of contributing drainage basins on the project site.
55-0001	Y	44	Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.
53-0001	Y	45	Estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
53-0001	Y	46	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate at all storm water discharge points.
51-0002	Y	47	Soil series for the project site and their delineation.
54 Series	Y	48	The limits of disturbance for each phase of construction.
51-0003	Y	49	Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, Permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.
54 Series	Y	50	Location of Best Management Practices that are consistent with, and no less stringent than, the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual Chapter 6, with legend.
56 Series	Y	51	Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
51-0002	Y	52	Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

Existing Contours	USGS 1": 2000' Topographical Sheets
Proposed Contours	1" : 400' Centerline Profile

* **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, 2026

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

REVISION DATES

ESPCP GENERAL NOTES
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

DRAWING No. 51-0001

GPLN-CE 11/05/2020

NOT RELEASED FOR CONSTRUCTION

ESPCP GENERAL NOTES

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

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

ESPCP ALTERATIONS

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

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

CONSTRUCTION SCHEDULE AND SEQUENCE OF MAJOR ACTIVITIES

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

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

Initial Phase of BMP Construction shall include all perimeter silt fence, orange barrier fence, double row of silt fence near all stream buffers and other ESAs. All BMPs included in the initial phase shall be installed prior to beginning land disturbance activities. This includes installing fabric check dams in existing ditches and silt gates on existing culvert inlets. Additional mulch and temporary grassing shall be added as Stage 1A construction progresses.

Intermediate Phase shall include items to be installed during previous stages, including perimeter controls and inlets sediment traps for inlets to remain in place. Fabric check dams are to be placed on ditches as they are constructed and silt gates are to be placed on culvert inlets upon installation. Inlet sediment traps are to be placed on inlets as they are constructed. Temporary grassing, mulch, and any remaining items shall be installed as shown on the BMP Location Detail Sheets.

Final BMP Installation shall be performed as site conditions permit. All permanent grassing, channel protection, and slope stabilizing matting shall be installed as grading of shoulders and slopes are completed.

SITE STABLIZATION AND VEGETATION PLANTING SCHEDULE

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

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

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

BMP INSTALLATION AND MAINTENANCE MEASURES

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

PETROLEUM STORAGE, SPILLS AND LEAKS

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

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

WASTE DISPOSAL

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

DEWATERING AND PUMPING ACTIVITIES

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

NONSTORMWATER DISCHARGES

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

READY MIX CHUTE WASH DOWN

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

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

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

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

OTHER CONTROLS

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

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

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

POSTCONSTRUCTION BMPs FOR STORMWATER MANAGEMENT

This project has no postconstruction BMPs

SOIL SERIES INFORMATION

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

Map Unit Symbol	Map Unit Name
HIB	Hayesville sandy loam, 2 to 6 percent slopes
HIC	Hayesville sandy loam, 6 to 10 percent slopes
HIE	Hayesville sandy loam, 10 to 25 percent slopes
HJC3	Hayesville sandy clay loam, 6 to 10 percent slopes, severely eroded
HJE3	Hayesville sandy clay loam, 10 to 25 percent slopes, severely eroded
HKC3	Hayesville and Rabun clay loams, 6 to 10 percent slopes, severely eroded
TbE	Tallapoosa cobbly fine sandy loam, 6 to 25 percent slopes
WgD	Wickham fine sandy loam, 10 to 25 percent slopes

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

SILT FENCE INSTALLATION WITH J HOOKS AND SPURS

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

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ESPCP GENERAL NOTES
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SEDIMENT STORAGE

The site has a total disturbed area of 1.46 acres. The following table summarizes the required and available sediment storage for every outfall on this project. The Contractor shall provide and maintain the storage volumes for the BMP's specified in this table.

Location	Total Drainage Area (acres)	Disturbed Area (acres)	Required Sediment Storage Volume (yd³)	Total Storage Volume Provided (yd³)	Sediment Basins		Check Dam		Inlet Sediment Traps		Silt Gates		Silt Fence (0.3 yd³/ft)	
					Basin #	Total Volume (yd³)	# of Devices	Total Volume (yd³)	# of Devices	Total Volume (yd³)	# of Devices	Total Volume (yd³)	Length of Fence (ft)	Total Volume (yd³)
Outfall A	5.12	0.48	343	284	N/A	N/A	1	20	18	9	0	0	850	255
Outfall B	1.91	0.44	128	294	N/A	N/A	0	0	17	9	0	0	950	285
Sheetflow	2.18	0.39	146	226	N/A	N/A	3	60	2	1	0	0	550	165

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

The required sediment storage volume for Outfall A, B, C, and D cannot be met. The majority of the drainage area to these outfalls is outside of the project limits. Outfalls A and D outfall to Tobler Creek, Outfall B outfalls to Milledgeville City Lake, and Outfall C outfalls to Fishing Creek. Check dams and silt fences were placed inside of the project limits. The use of a sediment basin was looked into for providing the amount of sediment storage required. The difficulties associated with the installation, maintenance, and removal of sediment basins at this location would outweigh the benefit of using them.

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPS:

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

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

All outfalls are either located further than 1 linear mile upstream or outside of the watershed of an impaired stream segment that has been listed for criteria violated, "Bio F" (impaired fish community) and/or "Bio M" (impaired macro invertebrate community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff)

STATE-WATER BUFFER IMPACTS

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

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

The Contractor is not authorized to enter into stream buffers.

Unless noted otherwise, utility companies will be submitting the required permits/variances in conjunction with the impacts caused by their activities. If utility impacts are covered by the Department's stream buffer variance, this shall be noted in the buffer-variance-required column.

CHANNEL PROTECTION

There are existing ditches in rural sections of project.
All channels may be stabilized exclusively with permanent grassing.

RIPRAP OUTLET PROTECTION

No rip rap outlet protection is proposed on this project.

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SAMPLING LOCATIONS AND GENERAL NOTES

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

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

Note: The Total site area is 67.74 acres.									Representative Sampling Scheme				
SAMPLING INFORMATION									OUTFALL CHARACTERISTICS				
Primary Sampled Feature	Location (Station and Offset)	Name of Receiving Water	Applicable Construction Stage for Sampling	Sampling Type (Outfall or Receiving water)	Drainage Area for Receiving Water (mi^2)	Warm or Cold Water Stream	Appendix B NTU Value (Outfall Sampling only)	Allowable NTU Increase (Receiving water sampling only)	Location Description	Construction Activity	Disturbed Area (acres)	Average Outfall Slope (Rise/Run)	Soil Erosion Index	Represented Outfall Drainage Basins
OF A	111+91.11, 31.12' RT	Trib. Of Thompson Creek	All	Outfall	0.035	Warm	50	N/A	EX. 18" PIPE	Full Depth and Widening	0.48	0.0300	8.0	A
OF B	110+01.69, 30.29' LT	Trib. Of Thompson Creek	All	Outfall	0.036	Warm	50	N/A	EX. 18" PIPE	Full Depth and Widening	0.44	0.0300	8.0	B

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

TEMPORARY SEDIMENT BASIN DETAILS:

There are no temporary sediment basins proposed for this project.

INSPECTIONS AND REPORTING

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

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

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

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

WATER QUALITY INSPECTING AND SAMPLING PROCEDURES

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

RETENTION OF RECORDS

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

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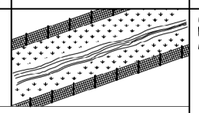
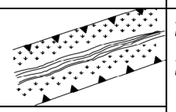
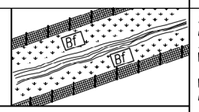
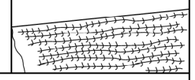
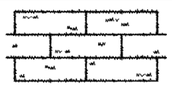
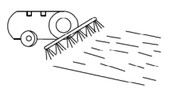
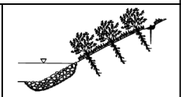
WEST GEORGIA SWCD

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

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

NOTE:

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

1/3/2005 GPLN

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 1 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
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EROSION CONTROL LEGEND

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GPLN-CE 11/05/2020

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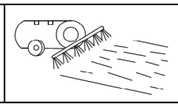
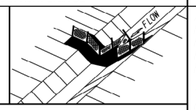
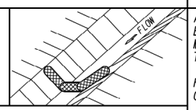
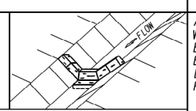
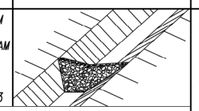
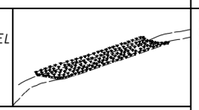
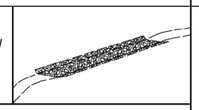
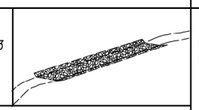
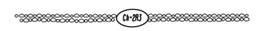
CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ss	SLOPE STABILIZATION CONSTRUCTION DETAIL D-35 SECTION 716	 PATTERN 	SLOPE STABILIZATION (EROSION CONTROL MATTING) IS A PROTECTIVE COVERING USED TO PREVENT EROSION AND ESTABLISH TEMPORARY OR PERMANENT VEGETATION ON STEEP SLOPES, SHORE LINES,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

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

NOTE:

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

7/31/2015 GPLN

GDOT

NO SCALE

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

EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 2 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

Dawson County Est. 1857 "Where Quality of Life Matters"

KCI

REVISION DATES

EROSION CONTROL LEGEND

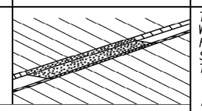
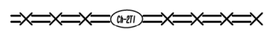
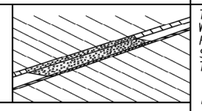
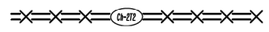
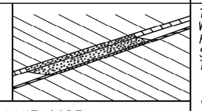
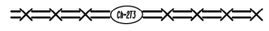
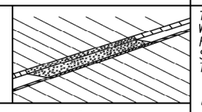
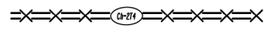
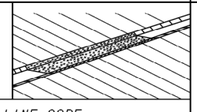
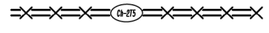
SR 53 @ LUMPKIN CAMPGROUND ROAD

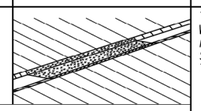
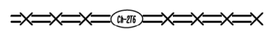
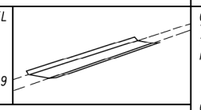
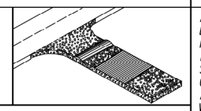
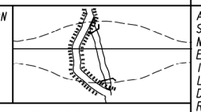
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		52-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

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

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

NOTE:

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

7/31/2015 GPLN

GDOT

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 3 OF 7

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

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

REVISION DATES

EROSION CONTROL LEGEND

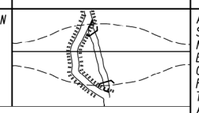
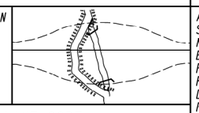
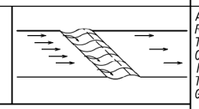
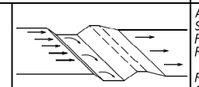
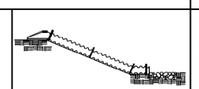
SR 53 @ LUMPKIN CAMPGROUND ROAD

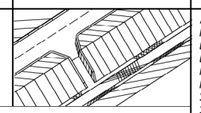
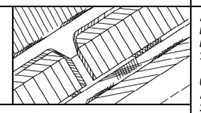
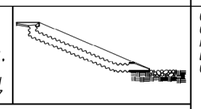
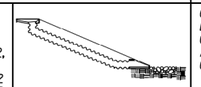
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		52-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE 11/05/2020

NOT RELEASED FOR CONSTRUCTION

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

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

NOTE:

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

7/31/2015 GPLN

GDOT

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 4 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

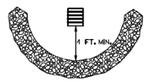
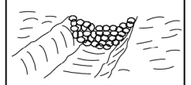
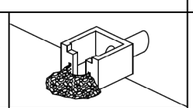
REVISION DATES

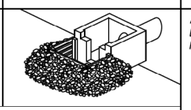
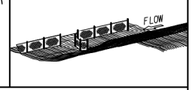
EROSION CONTROL LEGEND
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		52-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

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

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

NOTE:

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

7/31/2015 GPLN

GDOT

NO SCALE

REVISION DATES

3/2/2017		

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 5 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

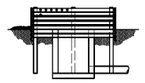
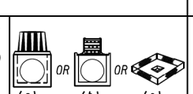
REVISION DATES

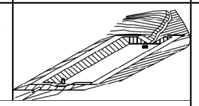
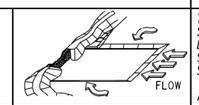
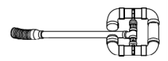
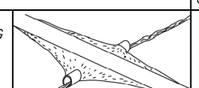
EROSION CONTROL LEGEND
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		52-0005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

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

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

NOTE:

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

7/31/2015 GPLN

GDOT

NO SCALE

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

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 6 OF 7

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

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

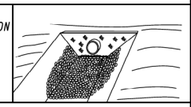
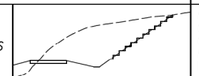
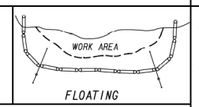
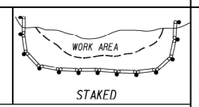
REVISION DATES

EROSION CONTROL LEGEND
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		52-0006
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

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

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION

NOTE:

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

7/31/2015 GPLN

GDOT

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 7 OF 7

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

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

REVISION DATES

EROSION CONTROL LEGEND
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		52-0007
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

CURVE# 01
PI 100+97.59
N 1,589,221.4597
E 2,334,186.3113
Δ 42°59'19.7" (LT)
D 05°58'05.92"
T 378.05'
L 720.28'
R 960.00'
E 71.76'
ed 4.2%
eMax 6%
D.S. 35 mph

BEGIN PROJECT
STA 100+00
N:1589321.726
E:2334230.085

PRIVATE PROJECT- A-085-010132-1
TO BE CONSTRUCTED BY OTHERS

LL254
LL253

APPROXIMATE LAND LOT LINE

N/F
1618 LAND HOLDINGS LLC
PARCEL ID: 113 037
LUMPKIN CMPGD RD N

MATCH LINE STA. 104+50.00 DRAWING No. 54-0002

PT 104+39.83

20' SANITARY SEWER EASEMENT

SV35V8#1ST

60' B.S.L

10' LANDSCAPE STRIP

TESMT

EXIST. R/W

REQ'D R/W

CURVE #01

BEGIN CONSTRUCTION
BEGIN PVMT MILL AND INLAY
STA 101+00.00
N:1589226.644
E:2334260.913

LOCATION OF 1/2" REBAR SET N:1589198.360 E:2334217.903

SV33V8#1ST POWER EASEMENT

INV=1245.17 APPROXIMATE TERMINUS OF CONC FLUME (BURIED)

INV=1248.92 FLUME

ASPHALT

CONC FLUME (BURIED)

99+00
100+00
101+00
102+00
103+00
104+00

13' DWESMT

1 STORY BRICK STICK BUILDING (OFF-SITE)

CONC

ASPHALT

DRIVE

STRIPING

SIGN

CONC RETAINING WALL

CONC FLUME

SV36V8#1ST

PESMT FOR CONSTR & MAINT. OF SLOPES & UTILITIES

EXPOSED END OF PIPE THAT WAS IN THE PROCESS OF BEING INSTALLED (GDOT WAS ON THE JOB SITE) THE PIPE WHITE SURVEY WAS BEING

N/F
NAINSREENI, LLC
PARCEL ID: 113 010 003
6002 HWY 53 E

SV33 EXIST 60' CONSTRUCTION EASEMENT

SV34 EXIST 20' PERMANENT SANITARY SEWER EASEMENT

DISTRICT CO #528 60D NAIL SET

N/F
CHRIST FELLOWSHIP CHURCH
OF DAWSON COUNTY, INC.
PARCEL ID: 113 010 002
HWY 53

N/F
KENNY M. PELFREY AND
DEBORAH B. PELFREY
PARCEL ID: 113 120
6104 HWY 53 E

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

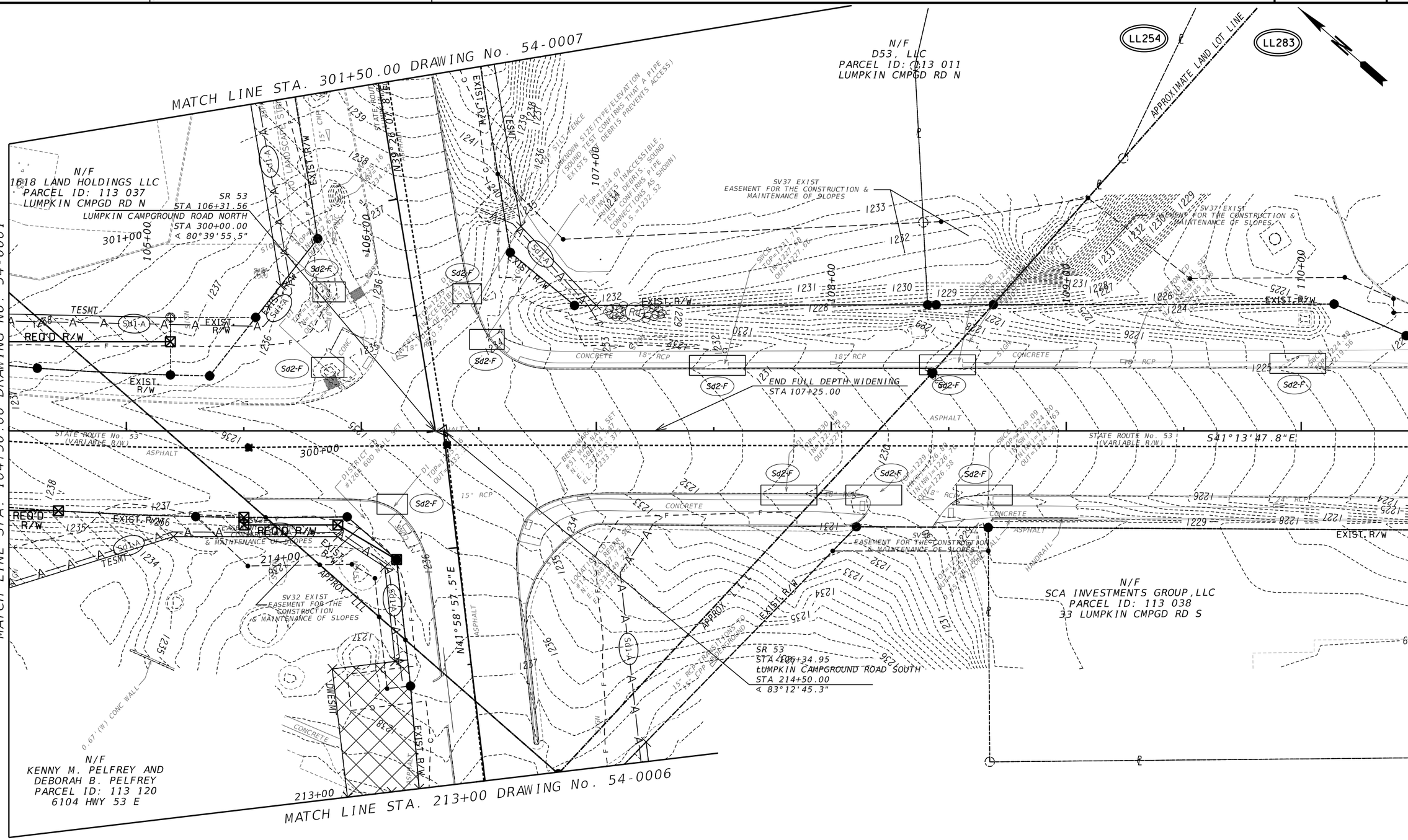
BMP LOCATION DETAILS-STAGE 1
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

5/1/2026 4:44:45 PM GPLOT-ORD 00031333_001_54_Phase I.dgn
Adan.Gonzalez gplotborder-ORD.tbl
DAWSON COUNTY Project No. 00031333

NOT RELEASED FOR CONSTRUCTION



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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
EXISTING LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS	
EXISTING LIMIT OF ACCESS & R/W	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA	

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS-STAGE 1
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

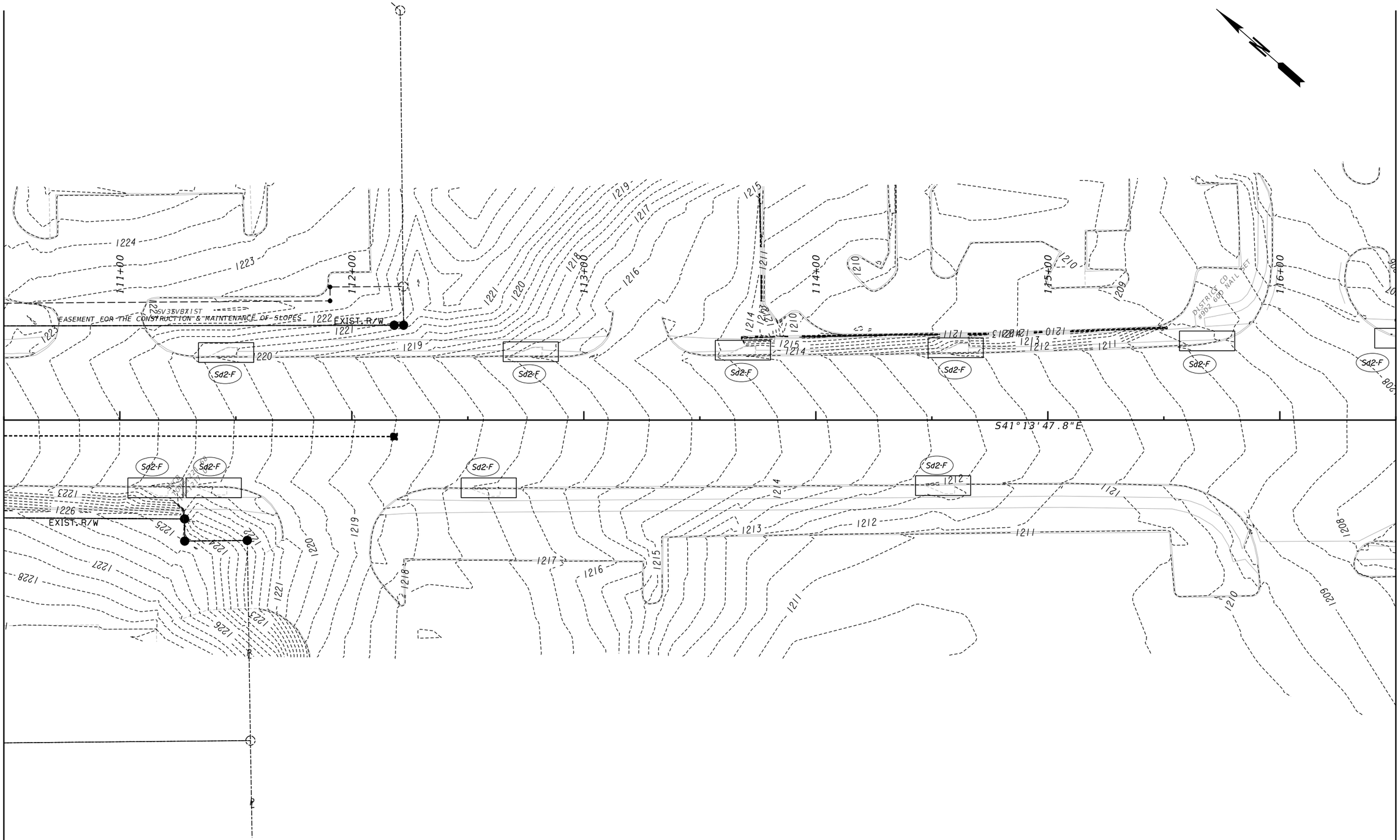
DRAWING No. 54-0002

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

MATCH LINE STA. 110+50.00 DRAWING No. 54-0002

MATCH LINE STA. 116+50.00 DRAWING No. 54-0004



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

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

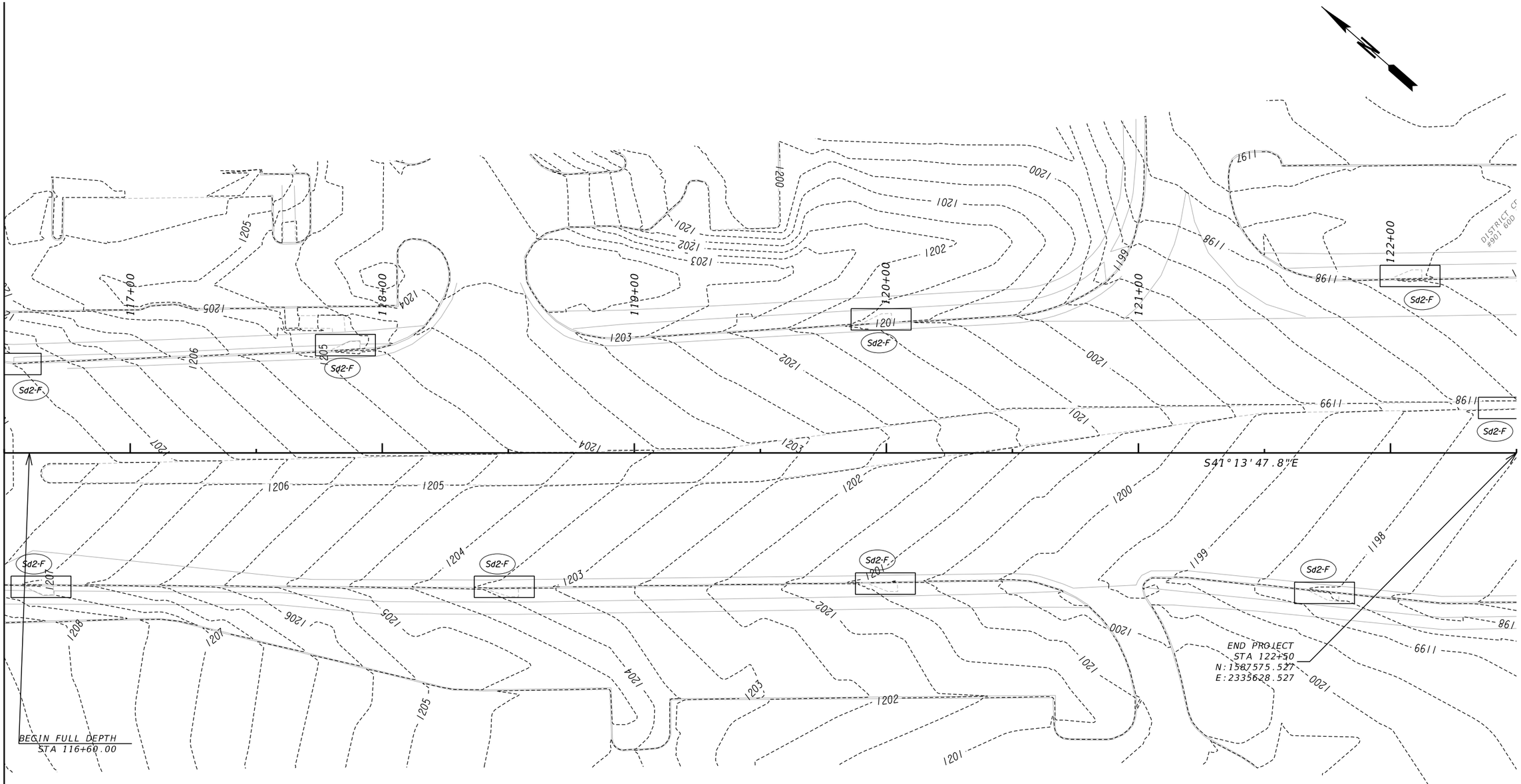
BMP LOCATION DETAILS-STAGE 1
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

MATCH LINE STA. 116+50.00 DRAWING No. 54-0003



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

Dawson County Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

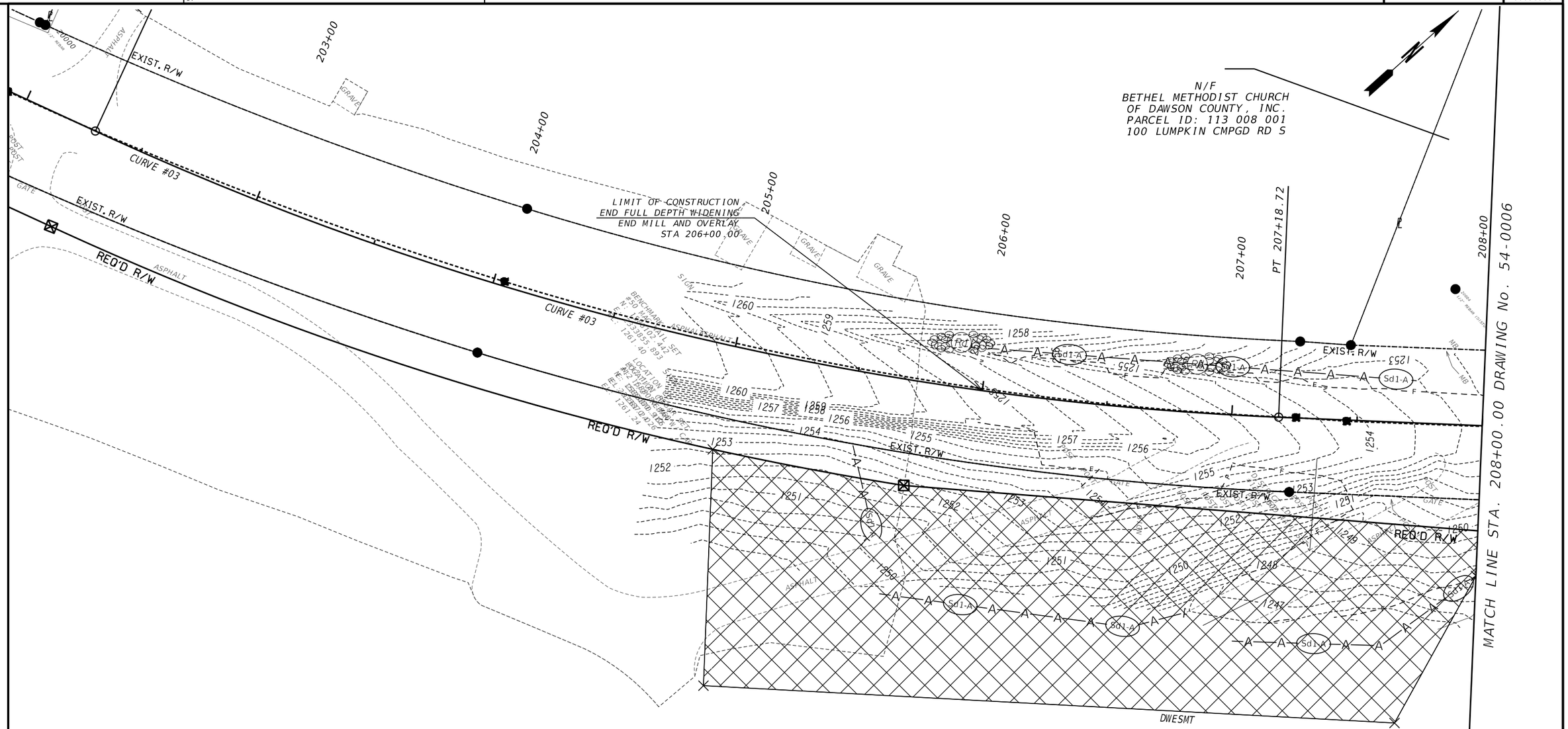
REVISION DATES

BMP LOCATION DETAILS-STAGE 1
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



CURVE# 03
PI 204+77.57
N 1,588,081.7594
E 2,333,889.1613
Δ 22°23'48.8" (LT)
D 04°35'01.18"
T 247.47'
L 488.62'
R 1250.00'
E 24.26'
ed Match Exist.
D.S. 45 mph

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

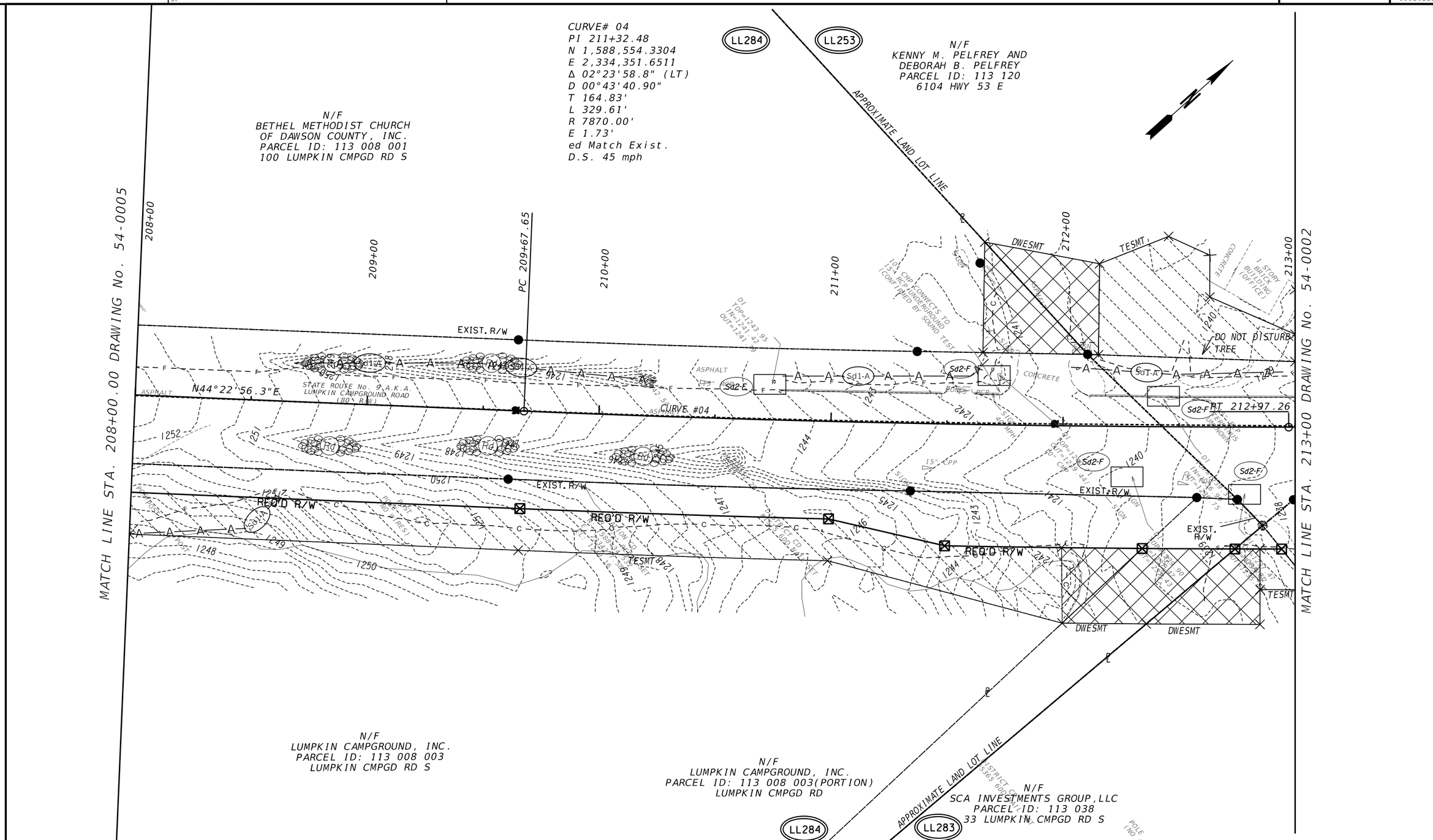
REVISION DATES

BMP LOCATION DETAILS-STAGE 1
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
EXISTING LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS	
EXISTING LIMIT OF ACCESS & R/W	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA	

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

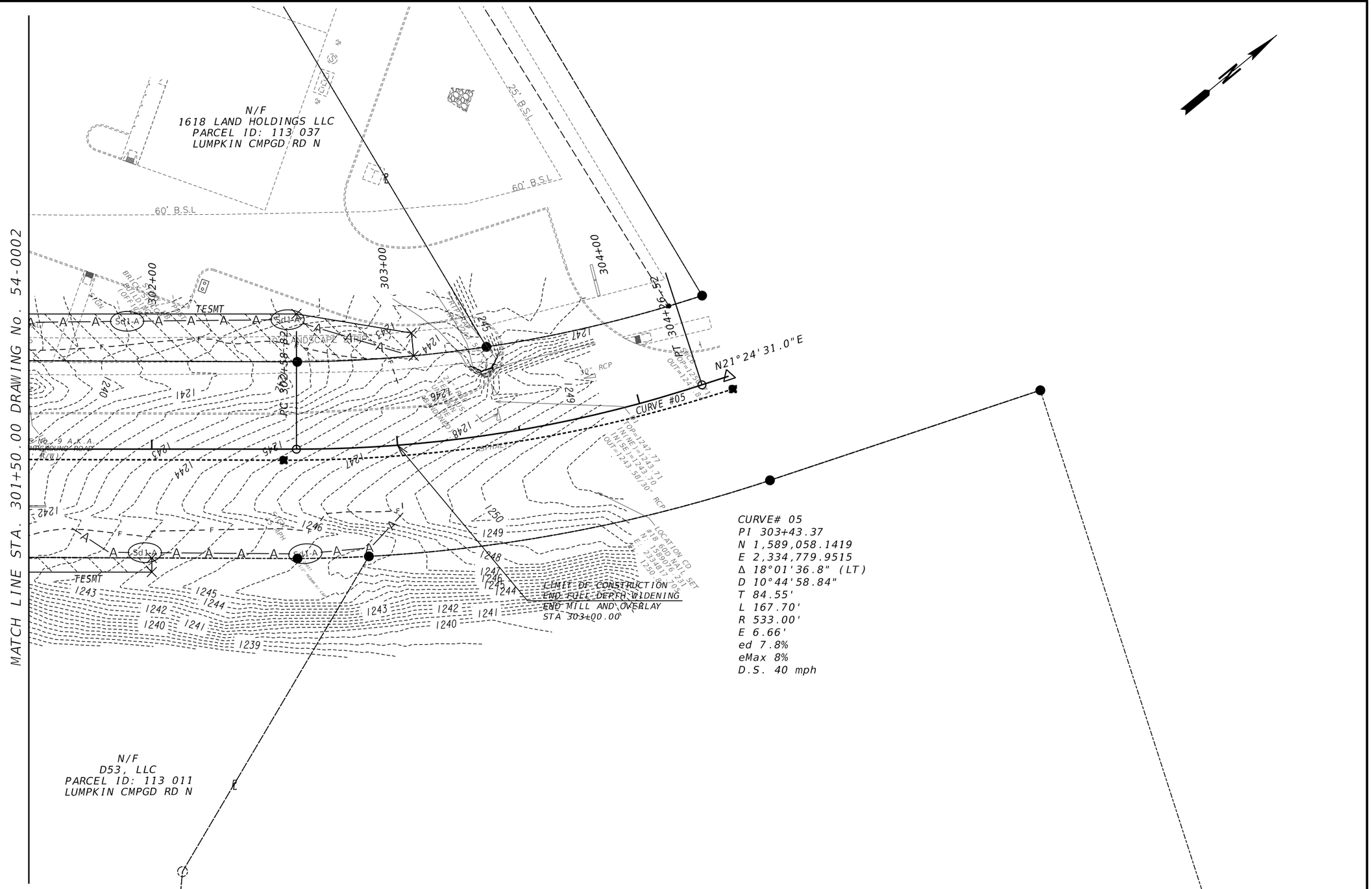
BMP LOCATION DETAILS-STAGE 1
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

DRAWING No. 54-0006

GPLN-CE 11/05/2020

NOT RELEASED FOR CONSTRUCTION



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

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS-STAGE 1
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0007
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

CURVE# 01
PI 100+97.59
N 1,589,221.4597
E 2,334,186.3113
Δ 42°59'19.7" (LT)
D 05°58'05.92"
T 378.05'
L 720.28'
R 960.00'
E 71.76'
ed 4.2%
eMax 6%
D.S. 35 mph

BEGIN PROJECT
STA 100+00
N:1589321.726
E:2334230.085

99+00

PRIVATE PROJECT- A-085-010132-1
TO BE CONSTRUCTED BY OTHERS

FUTURE DEVELOPMENT A-085-010132-1
PLANS ON PARCEL 3 CONTRACTOR TO VERIFY

LL254
LL253

20' SANITARY SEWER EASEMENT SV36V8#1ST

APPROXIMATE LAND LOT LINE

03
N/F
1618 LAND HOLDINGS LLC
PARCEL ID: 113 037
LUMPKIN CMPGD RD N

60' B.S.L

100+00
101+00
102+00
103+00
104+00
PT 104+39.83

30' POWER EASEMENT SV35V8#1ST

10' LANDSCAPE STRIP

TESMT

EXIST. R/W

REQ'D R/W

CURVE #01

BEGIN CONSTRUCTION
BEGIN PVMT MILL AND INLAY
STA 101+00.00
N:1589226.644
E:2334260.913

LOCATION MONUMENT
5/8" REBAR SET
1589190.360
2334217.602
N 45° 03' 00" E

6" CONCRETE CURB

EXIST. R/W

PROPOSED 48" RCP

DISTRICT CD NAIL SET
#128 GOD NAIL SET

DWESMT

REQ'D R/W

EXIST. R/W

REQ'D R/W

PESMT FOR CONSTR & MAINT. OF SLOPES & UTILITIES

Ds1 Ds2

B-7

Sd2-F

1 STORY BRICK/STONE BILLBOARD (OFFICE)

EXPOSED END OF PIPE THAT WAS IN THE PROCESS OF BEING INSTALLED WHILE SURVEY WAS BEING PERFORMED

01
N/F
NAINSREENI, LLC
PARCEL ID: 113 010 003
6002 HWY 53 E

SV33 EXIST 60' CONSTRUCTION EASEMENT

SV34 EXIST 20' PERMANENT SANITARY SEWER EASEMENT

02
N/F
CHRIST FELLOWSHIP CHURCH OF DAWSON COUNTY, INC.
PARCEL ID: 113 010 002
HWY 53

05
N/F
KENNY M. PELFREY AND DEBORAH B. PELFREY
PARCEL ID: 113 120
6104 HWY 53 E

MATCH LINE STA. 104+50.00 DRAWING No. 54-0009

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

Dawson County Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS-STAGE 2
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

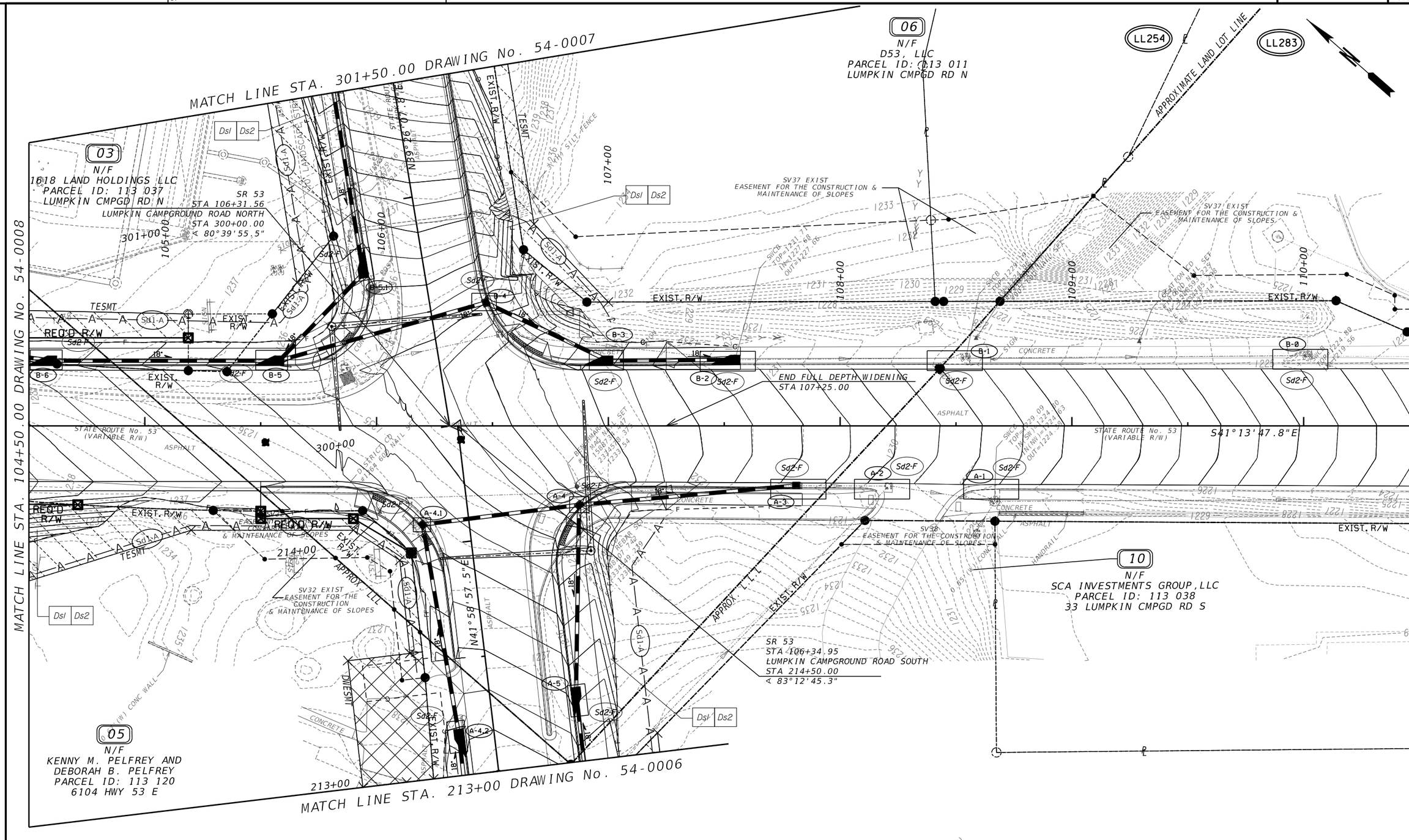
CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 54-0008

GPLN-CE
11/05/2020

5/1/2026 4:45:19 PM GPLOT-ORD 00031333_001_54_Phase II.dgn
Adan.Gonzalez gplotborder-ORD.tbl
DAWSON COUNTY Project No. 00031333

NOT RELEASED FOR CONSTRUCTION



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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
EXISTING LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS	
EXISTING LIMIT OF ACCESS & R/W	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA	

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

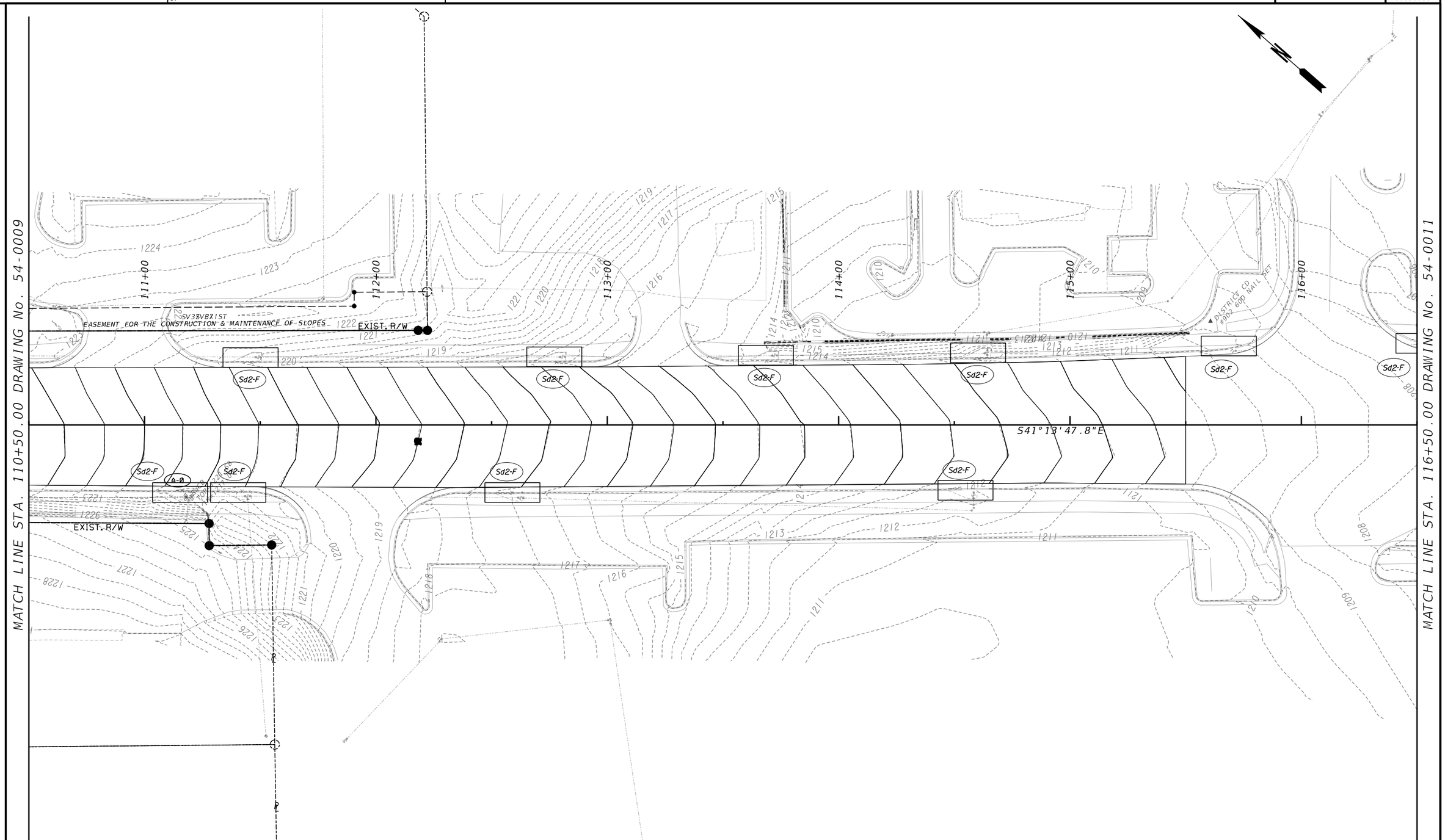
BMP LOCATION DETAILS-STAGE 2
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

DRAWING No. 54-0009

GPLN-CE 11/05/2020

NOT RELEASED FOR CONSTRUCTION



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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
EXISTING LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS	
EXISTING LIMIT OF ACCESS & R/W	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA	

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

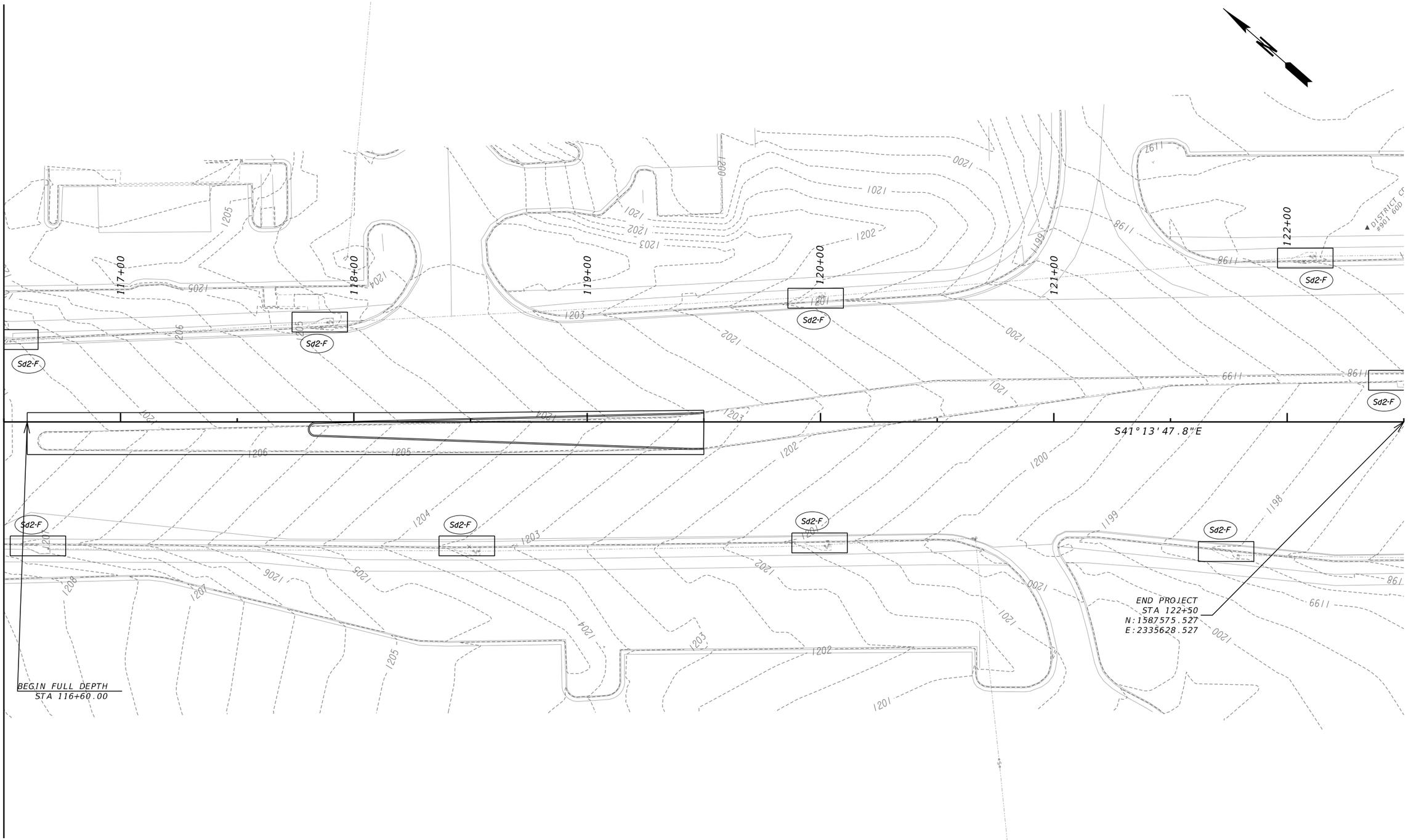
BMP LOCATION DETAILS-STAGE 2
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

DRAWING No. 54-0010

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
EXISTING LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS	
EXISTING LIMIT OF ACCESS & R/W	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA	

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

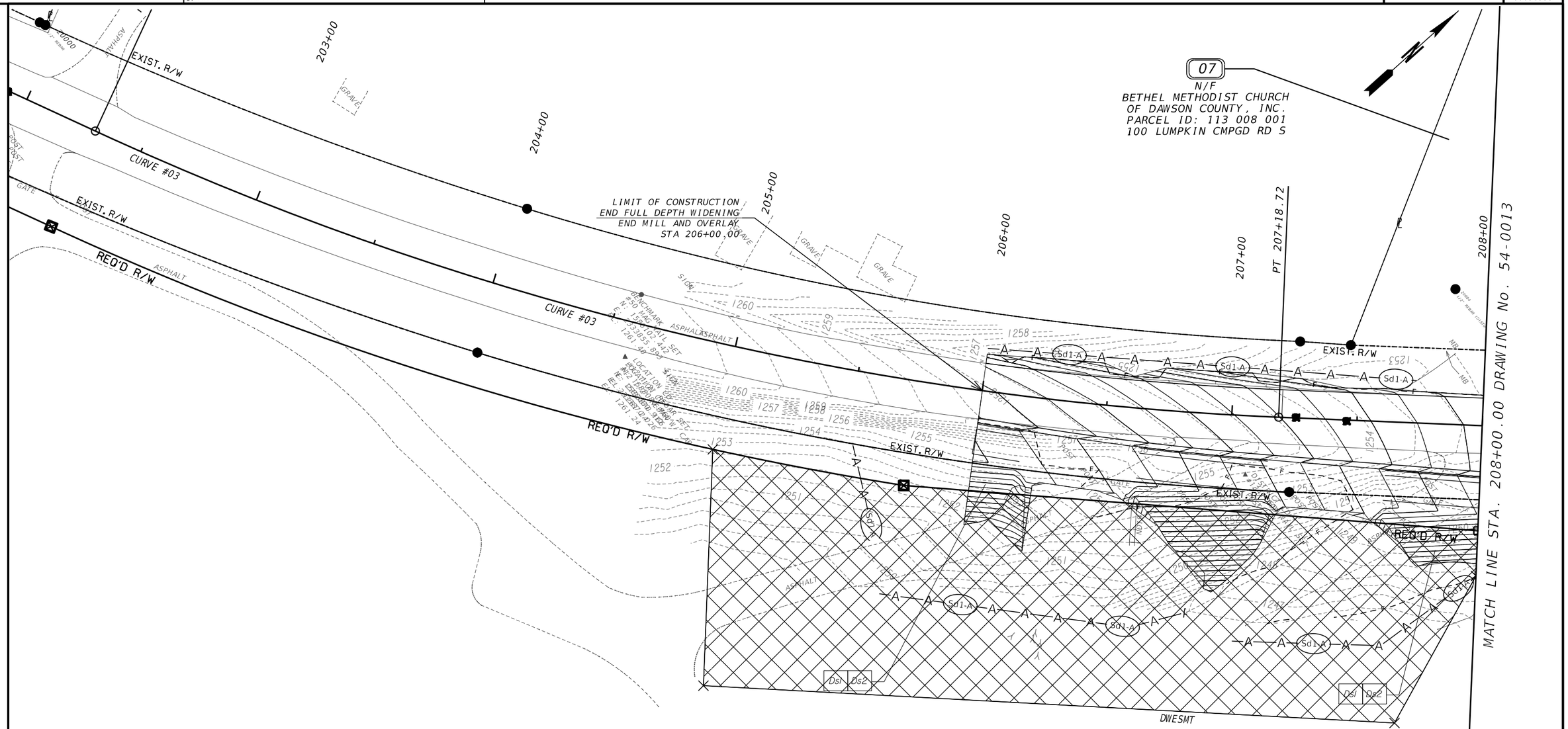
BMP LOCATION DETAILS
CONSTRUCTION PLANS STAGE 2
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

DRAWING No. 54-0011

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



CURVE# 03
PI 204+77.57
N 1,588,081.7594
E 2,333,889.1613
Δ 22°23'48.8" (LT)
D 04°35'01.18"
T 247.47'
L 488.62'
R 1250.00'
E 24.26'
ed Match Exist.
D.S. 45 mph

08
N/F
LUMPKIN CAMPGROUND, INC.
PARCEL ID: 113 008 003
LUMPKIN CMPGD RD S

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

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS-STAGE 2
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0012
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

CURVE# 04
PI 211+32.48
N 1,588,554.3304
E 2,334,351.6511
Δ 02°23'58.8" (LT)
D 00°43'40.90"
T 164.83'
L 329.61'
R 7870.00'
E 1.73'
ed Match Exist.
D.S. 45 mph

07
N/F
BETHEL METHODIST CHURCH OF DAWSON COUNTY, INC.
PARCEL ID: 113 008 001
100 LUMPKIN CMPGD RD S

LL284

LL253

05
N/F
KENNY M. PELFREY AND DEBORAH B. PELFREY
PARCEL ID: 113 120
6104 HWY 53 E

APPROXIMATE LAND LOT LINE

DO NOT DISTURB SIGN
GRADE AROUND BASE TO DRAIN

MATCH LINE STA. 208+00.00 DRAWING No. 54-0012

208+00 209+00 PC 209+67.65 210+00 211+00 212+00 213+00

EXIST. R/W

STATE ROUTE No. 9 A.K.A. LUMPKIN CAMPGROUND ROAD (80' R/W)

N44°22'56.3"E

CURVE #04

REQ'D R/W

EXIST. R/W

TESMT

DWESMT

10% CMP CONNECTS TO 15" RCP UNDERGROUND (CONFIRMED BY SOUND TEST)

1 STORY BRICK BUILDING (OFFICE)

DO NOT DISTURB TREE

RT 212+97.26

Dsl Ds2

08
N/F
LUMPKIN CAMPGROUND, INC.
PARCEL ID: 113 008 003
LUMPKIN CMPGD RD S

09
N/F
LUMPKIN CAMPGROUND, INC.
PARCEL ID: 113 008 003(PORTION)
LUMPKIN CMPGD RD

10
N/F
SCA INVESTMENTS GROUP,LLC
PARCEL ID: 113 038
33 LUMPKIN CMPGD RD S

LL284 LL283

APPROXIMATE LAND LOT LINE

MATCH LINE STA. 213+00.00 DRAWING No. 54-0009

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

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

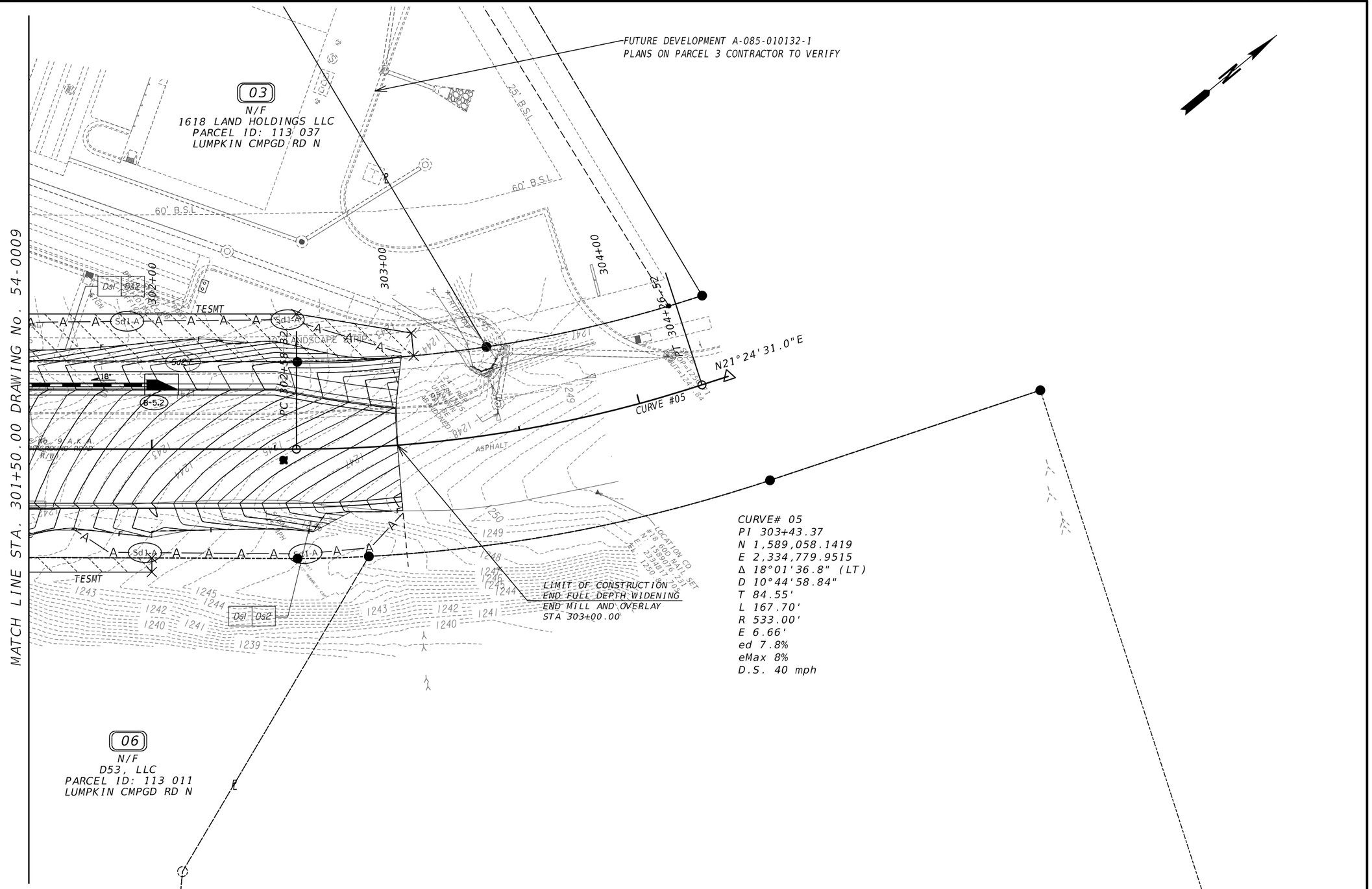
REVISION DATES

BMP LOCATION DETAILS-STAGE 2
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0013
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



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

Dawson County Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

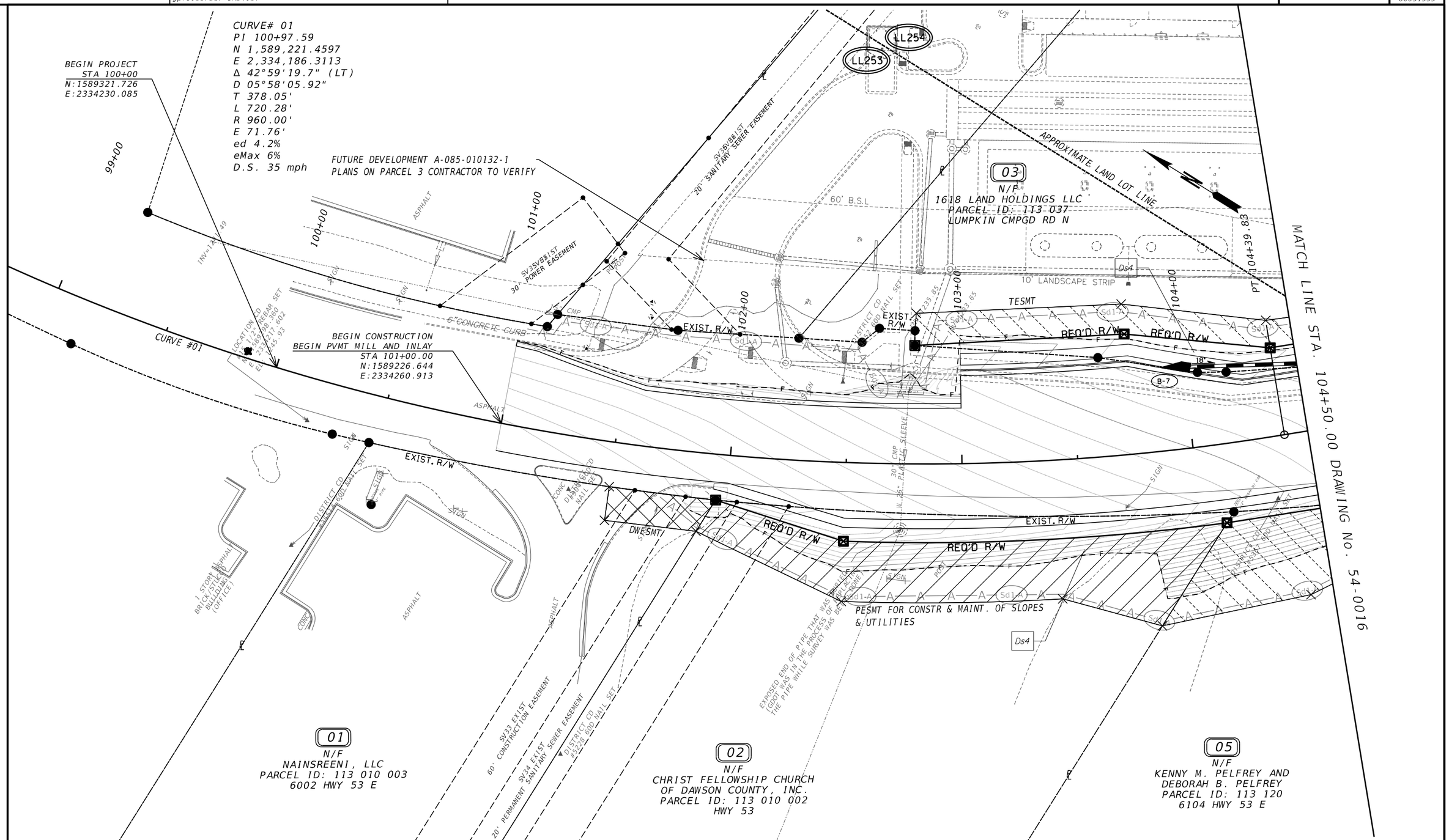
REVISION DATES

BMP LOCATION DETAILS-STAGE 2
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0014
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
EXISTING LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS	
EXISTING LIMIT OF ACCESS & R/W	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA	

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS-STAGE 3
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

DRAWING No. 54-0015

GPLN-CE 11/05/2020

NOT RELEASED FOR CONSTRUCTION

MATCH LINE STA. 301+50.00 DRAWING No. 54-0007

MATCH LINE STA. 104+50.00 DRAWING No. 54-0015

MATCH LINE STA. 110+50.00 DRAWING No. 54-0017

MATCH LINE STA. 213+00 DRAWING No. 54-0006

03
N/F
1618 LAND HOLDINGS LLC
PARCEL ID: 113 037
LUMPKIN CMPGD RD N

06
N/F
D53, LLC
PARCEL ID: 113 011
LUMPKIN CMPGD RD N

10
N/F
SCA INVESTMENTS GROUP,LLC
PARCEL ID: 113 038
33 LUMPKIN CMPGD RD S

05
N/F
KENNY M. PELFREY AND
DEBORAH B. PELFREY
PARCEL ID: 113 120
6104 HWY 53 E

SR 53
STA 106+31.56
LUMPKIN CAMPGROUND ROAD NORTH
STA 300+00.00
∧ 80°39'55.5"

SR 53
STA 106+34.95
LUMPKIN CAMPGROUND ROAD SOUTH
STA 214+50.00
∧ 83°12'45.3"

N39°26'07.8"E

S41°13'47.8"E

N41°58'57.5"E

APPROXIMATE LAND LOT LINE

LL254 LL283

SV37 EXIST EASEMENT FOR THE CONSTRUCTION & MAINTENANCE OF SLOPES

SV38 EASEMENT FOR THE CONSTRUCTION & MAINTENANCE OF SLOPES

SV32 EXIST EASEMENT FOR THE CONSTRUCTION & MAINTENANCE OF SLOPES

END FULL DEPTH WIDENING
STA 107+25.00

APPROX. L.T.L.

EXIST. R/W

REQ'D R/W

TESMT

DWESMT

3'(H) SILT FENCE

STATE ROUTE No. 53 (VARIABLE R/W)

ASPHALT

CONCRETE

B-0 B-1 B-2 B-3 B-4 B-5 B-5.1 B-6

A-1 A-2 A-3 A-4 A-4.1 A-4.2 A-5

Ds4

SWCB TOP=1231.71 IN=1227.68 OUT=1227.66

SWCB TOP=1229.19 IN=1225.60 OUT=1225.58

SWCB TOP=1224.89 IN=1219.56

SWCB TOP=1229.09 IN(SW)=1224.80 IN(NW)=1224.63 OUT=1224.38

LOCATION CD N=1,500,962.225 E=2,234,785.308 EL=1237.14

BENCHMARK #1 MAG NAIL SET N=1,501,007.742 E=2,234,419.239 EL: 1233.54

DISTRICT CD #1264 60D NAIL SET

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

Dawson County Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS-STAGE 3
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0016
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

5/1/2026 4:45:34 PM GPLOT-ORD 00031333_001_54_Phase III.dgn
Adan.Gonzalez gplotborder-ORD.tbl
DAWSON COUNTY Project No. 00031333

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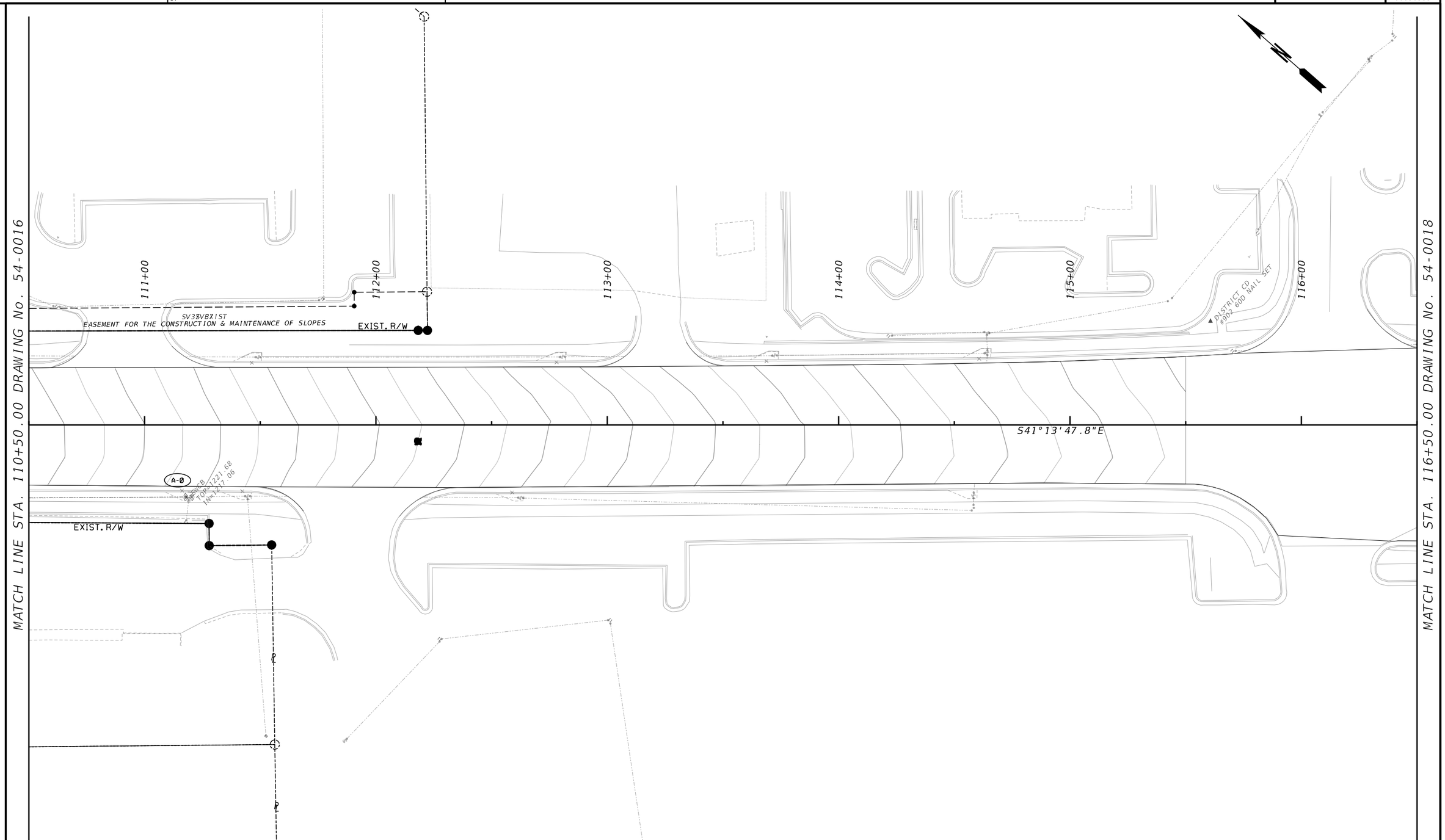


PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	C F
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
EXISTING LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS	
EXISTING LIMIT OF ACCESS & R/W	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA	

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS-STAGE 3
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

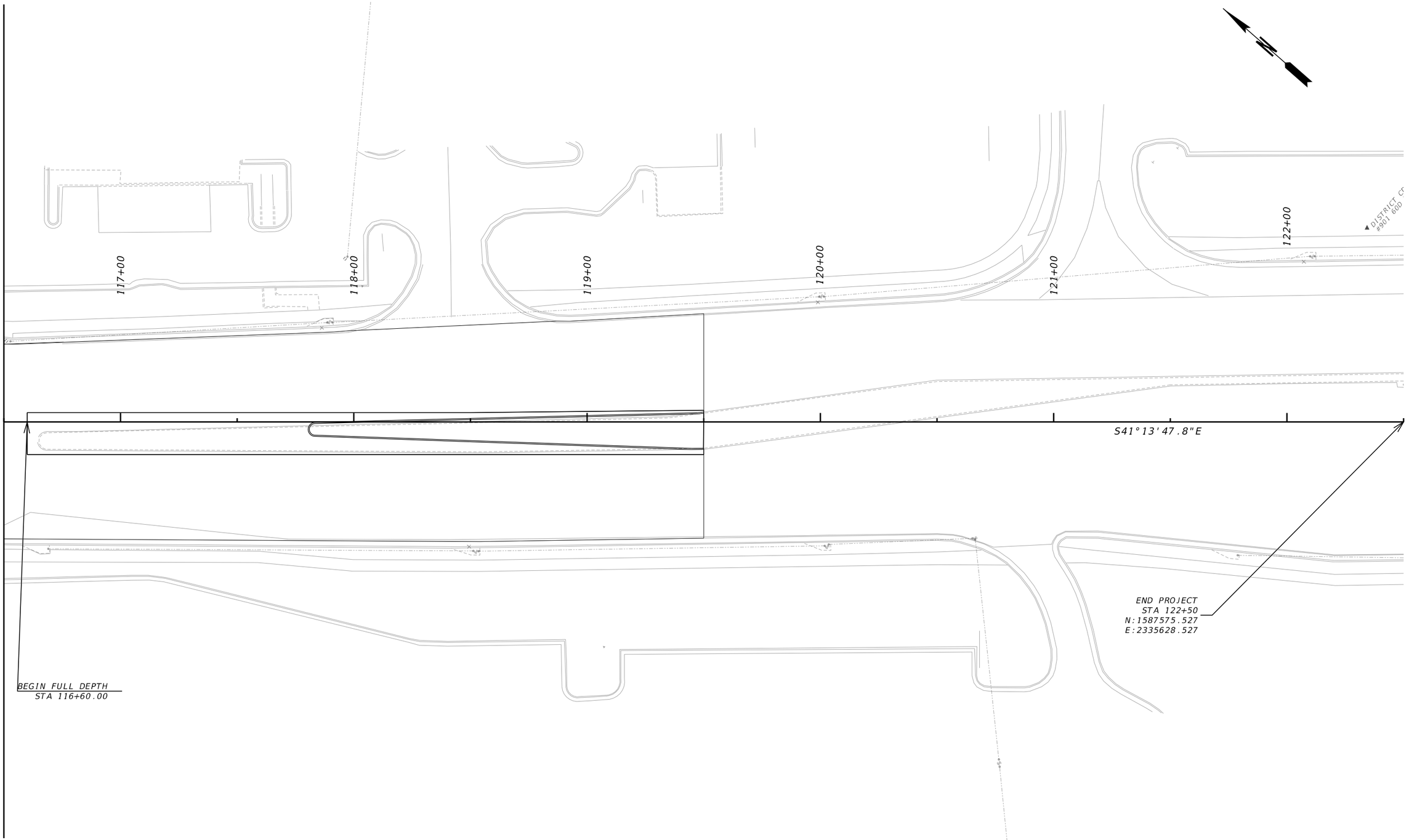
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 54-0017

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

MATCH LINE STA. 116+50.00 DRAWING No. 54-0017



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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS-STAGE 3
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

GPLN-CE
11/05/2020

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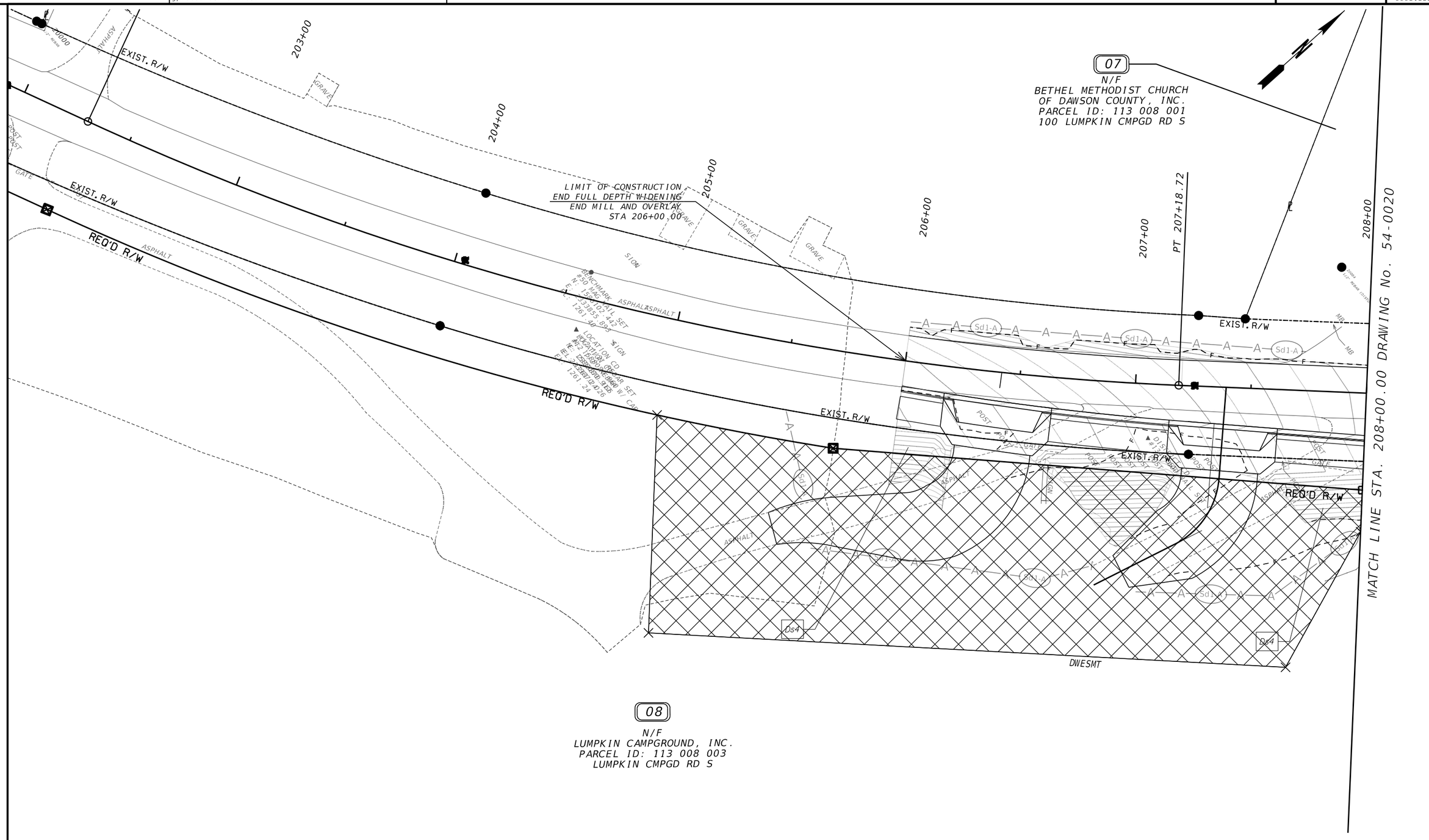


PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	C F
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
EXISTING LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS	
EXISTING LIMIT OF ACCESS & R/W	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA	

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

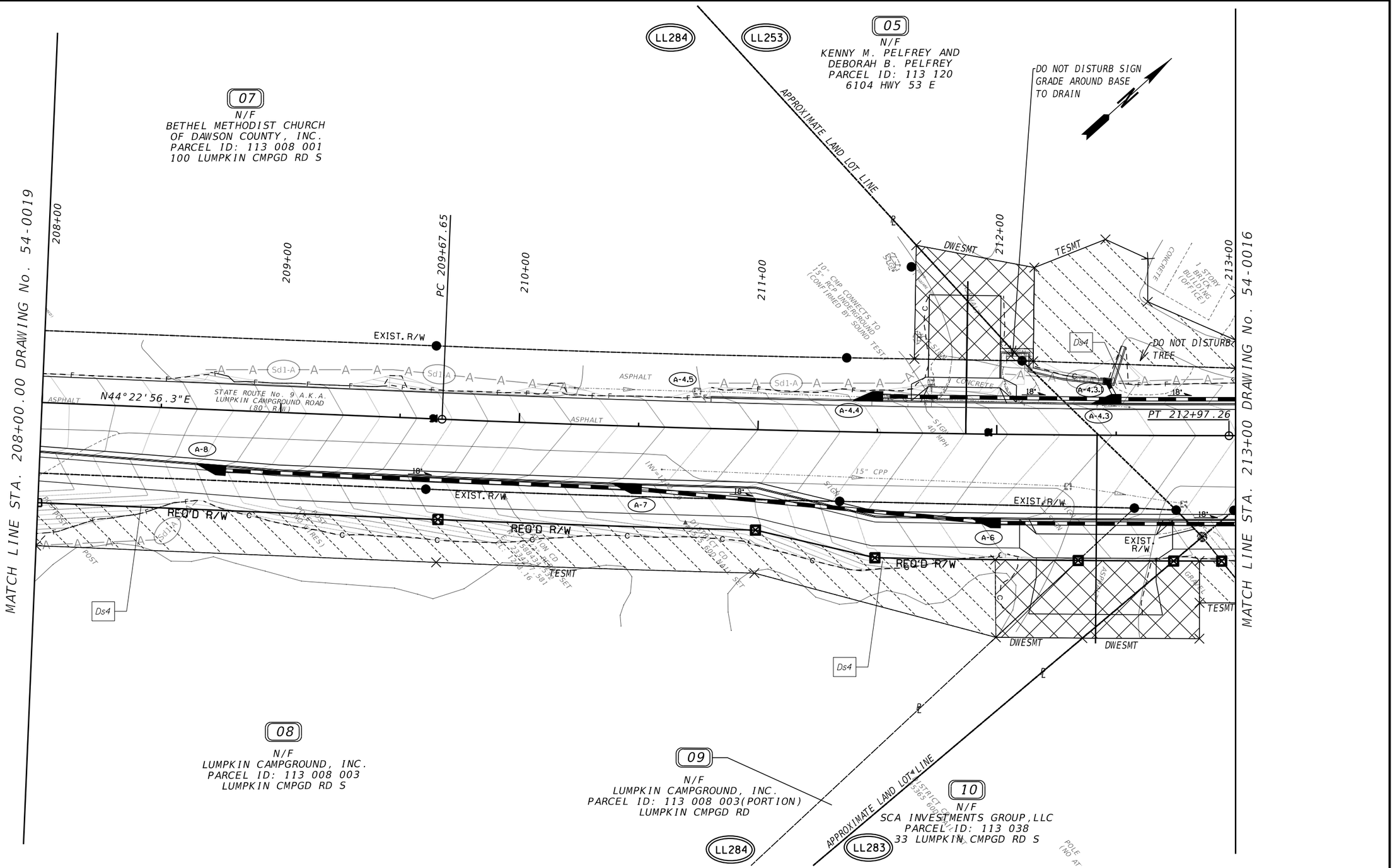
BMP LOCATION DETAILS-STAGE 3
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

DRAWING No.
54-0019

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



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

Dawson County Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

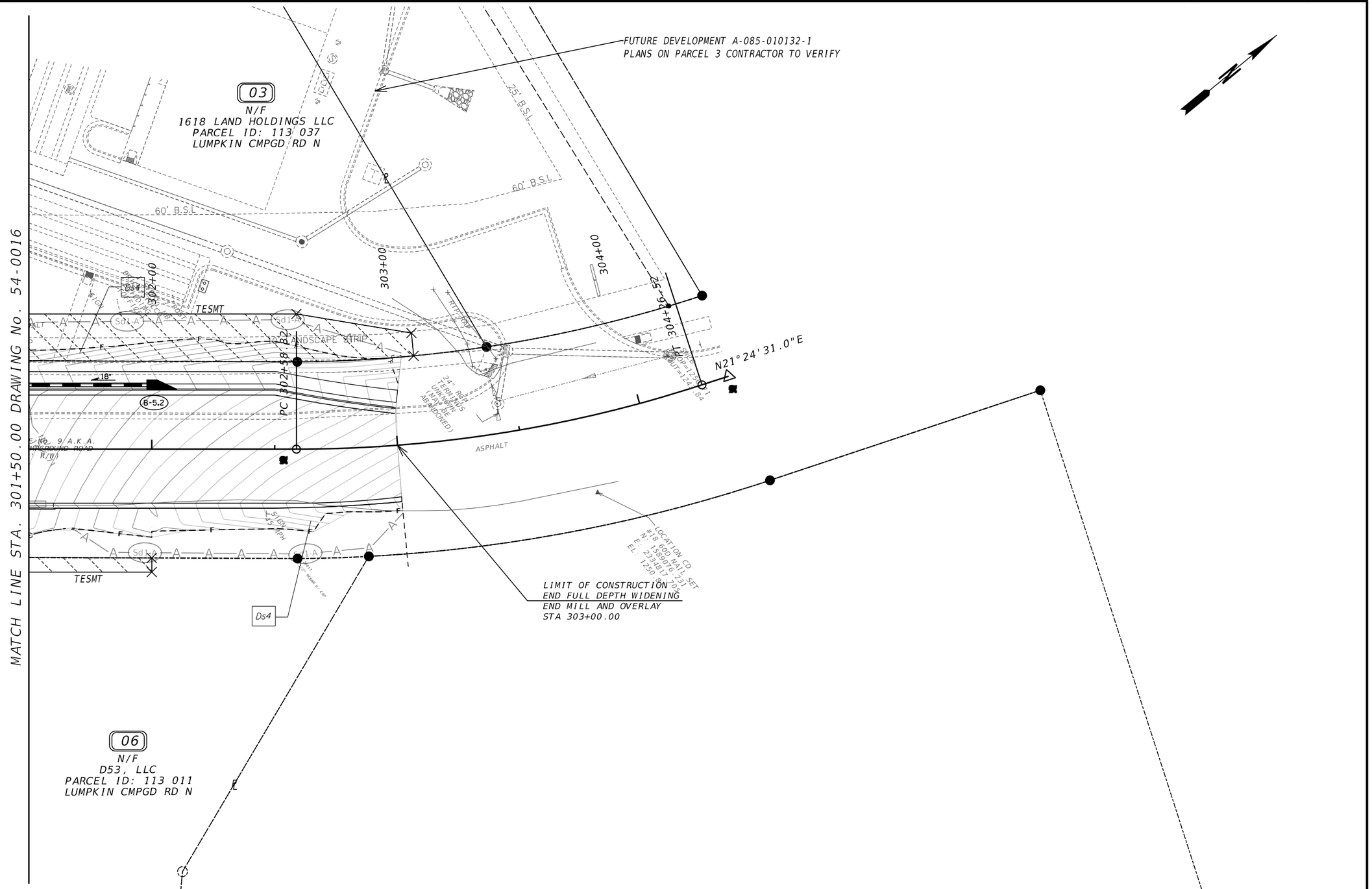
REVISION DATES

BMP LOCATION DETAILS-STAGE 3
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	54-0020
CORRECTED:		DATE:	
VERIFIED:		DATE:	

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS-STAGE 3
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

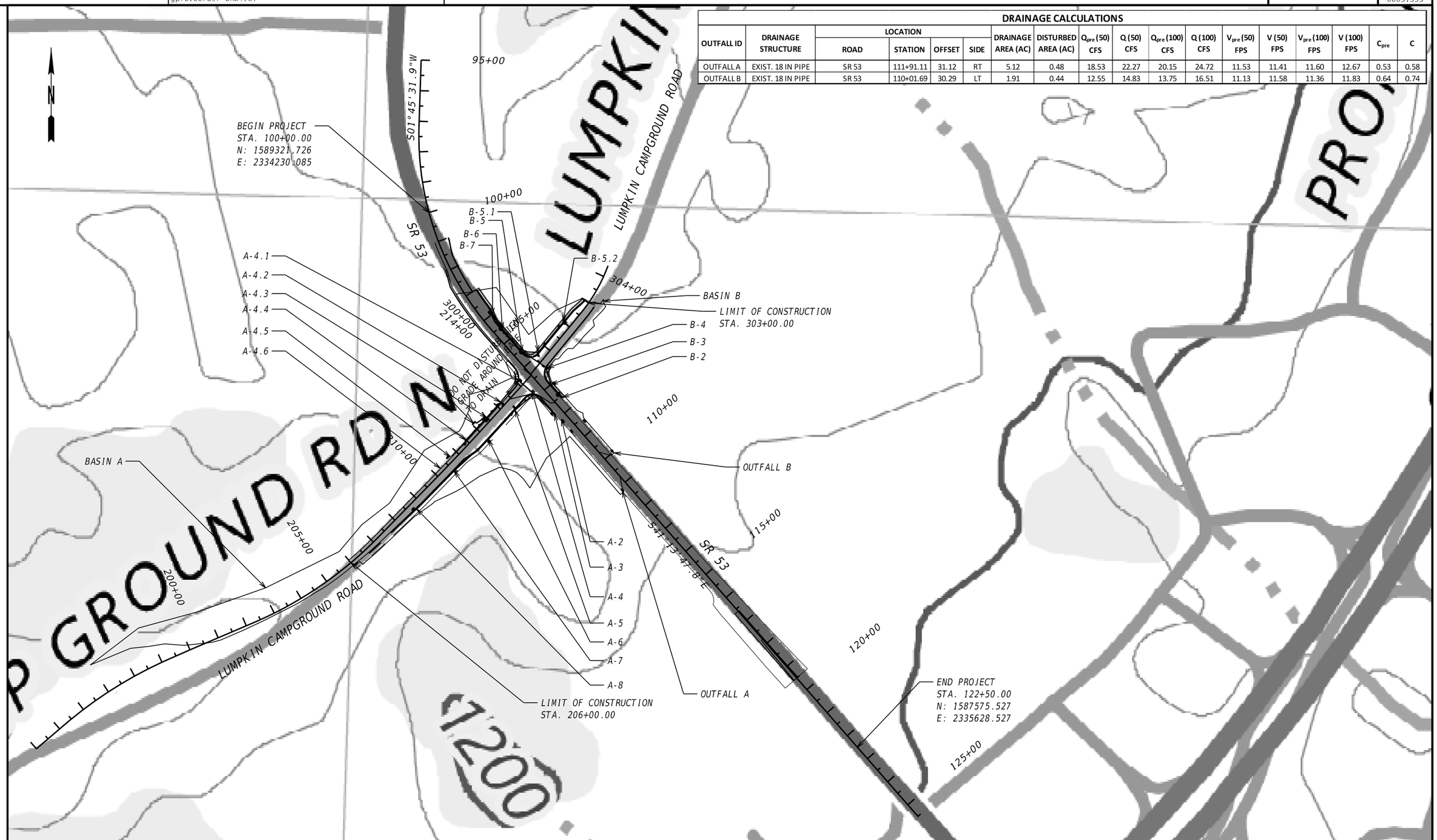
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0021
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

DRAINAGE CALCULATIONS

OUTFALL ID	DRAINAGE STRUCTURE	LOCATION				DRAINAGE AREA (AC)	DISTURBED AREA (AC)	Q_{pre} (50) CFS	Q (50) CFS	Q_{pre} (100) CFS	Q (100) CFS	V_{pre} (50) FPS	V (50) FPS	V_{pre} (100) FPS	V (100) FPS	C_{pre}	C
		ROAD	STATION	OFFSET	SIDE												
OUTFALL A	EXIST. 18 IN PIPE	SR 53	111+91.11	31.12	RT	5.12	0.48	18.53	22.27	20.15	24.72	11.53	11.41	11.60	12.67	0.53	0.58
OUTFALL B	EXIST. 18 IN PIPE	SR 53	110+01.69	30.29	LT	1.91	0.44	12.55	14.83	13.75	16.51	11.13	11.58	11.36	11.83	0.64	0.74



DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 150 300 600

REVISION DATES

EROSION CONTROL DRAINAGE AREA MAP
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		53-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

5/1/2026 4:26:43 PM | GPLOT-ORD | 00031333_001_55.dgn | DAWSON COUNTY | Project No. 00031333

Adan.Gonzalez | gplotborder-ORD.tbl

NOT RELEASED FOR CONSTRUCTION

BEGIN PROJECT
100+00
N:1589321.726
E:2334230.085

LIMIT OF CONSTRUCTION
END FULL DEPTH WIDENING
END MILL AND OVERLAY
STA 303+00.00

SAMPLING LOCATION
OUTFALL B
STA. 110+01.69
OFF 30.29' RT

RECEIVING WATER:
TRIBUTARY OF ETOWAH RIVER
DRNG AREA: 0.035 SQ.MI

RECEIVING WATER:
TRIBUTARY OF THOMPSON CREEK
DRNG AREA: 0.036 SQ.MI

END PROJECT
STA 122+50
N:1587575.527
E:2335628.527

LIMIT OF CONSTRUCTION
END FULL DEPTH WIDENING
END MILL AND OVERLAY
STA 206+00.00

RECEIVING WATER:
TRIBUTARY OF THOMPSON CREEK
DRNG AREA: 0.035 SQ.MI

SAMPLING LOCATION
OUTFALL A
STA. 111+91.11
OFF 31.12' RT

THOMPSON CREEK

ETHOWAY RIVER

Lake Sidney Lanier

Black Mill Creek

Taylor Creek

W HIGHTOWER DR | HIGHTOWER PKWY | GRIZZLE FARM RD | SPRING RIDGE DR | LUMPKIN CAMPGROUND RD N | LUMPKIN CAMP GROUND RD N | OAK FOREST DR | DAWSON POINTE PKWY | LULA GARRETT RD | KILOUGH CHURCH RD | PROMISE LAND CHURCH RD | GRIZZLE RD | TRILLIUM RIDGE | MAY APPLE GLEN | ELLIOTT RD | LAKE DR | ROBERTSON RD | G W TAFFER RD | GREEN FOREST DR | POWER CENTER DR | RILEY CIR | DAWSON FOREST RD E | PINEWOOD TRL | PINE BRIDGE DR | RED RIDER RD | FREELAND RD | LUMPKIN CAMP GROUND RD S | GORDON MOSS RD | CROSSROADS BLVD | THOMPSON CREEK PARK RD | LIBERTY CHURCH RD | LAINA BENNETT RD | SUNDOWN DR | DIANE CIR | DOGWOOD LN | WAR HILL PARK RD | CLARK RD | TAYLOR RD | WHITMIRE DR | CARLISLE RD | STACIE LN | BLUE RIDGE PWKY | SUMMIT VIEW CT | SUMMIT TRAIL LN | SUMMIT OVERLOOK DR | BLUE RIDGE OVERLOOK RD | LEE CASTLEBERRY RD | HARRY SOSEBEE RD | OAKMONT DR | Byrd Family

19 | 400 | 53 | 318 | F

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

SCALE IN FEET
0 1000 2000 4000

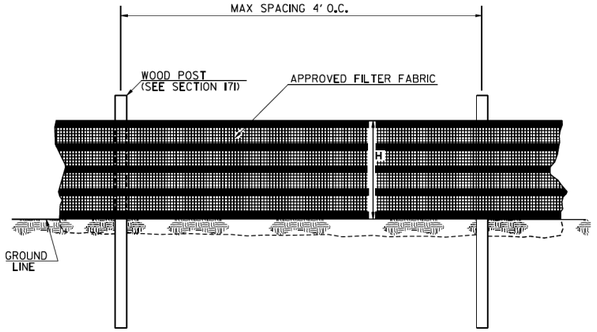
REVISION DATES

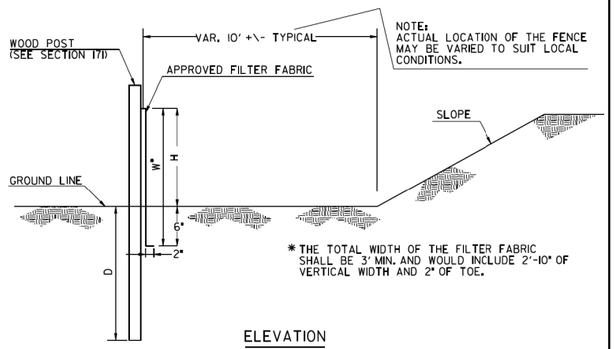
WATERSHED MAP SITE MONITORING PLAN
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		55-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

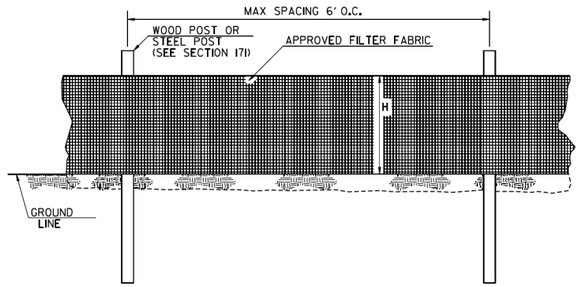


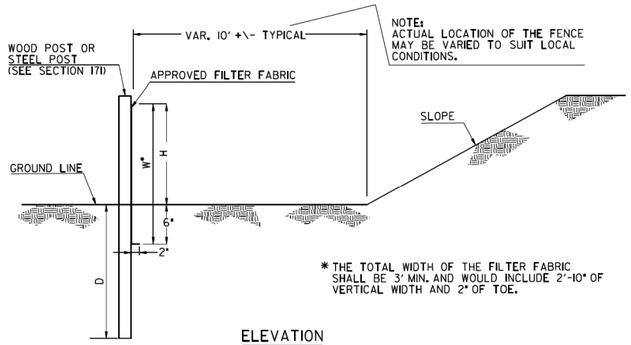


ELEVATION

SINGLE ROW TYPE C SILT FENCE WITH HIGH TENSILE POLYPROPYLENE INTEGRATED SUPPORT WOVEN FABRIC

WEST GEORGIA SWCD

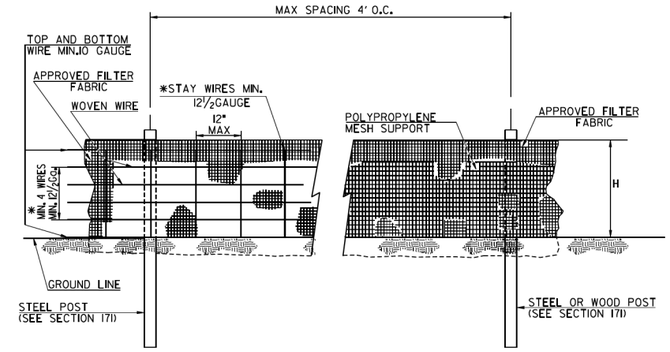


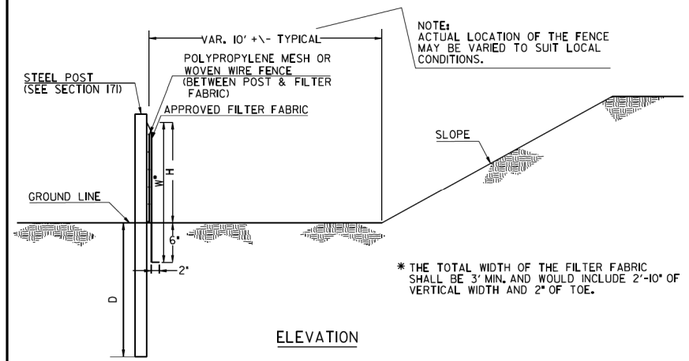


ELEVATION

SINGLE ROW TYPE A SILT FENCE

GDOT Georgia Department of Transportation — Pl. No.





ELEVATION

SINGLE ROW TYPE C SILT FENCE WITH WOVEN WIRE SUPPORT OR POLYPROPYLENE MESH SUPPORT

FENCE TYPE	POST LENGTH	H	D	W*	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

NOTES:

1. WIRE STAPLES SHALL BE AT LEAST 17 GAUGE, WITH LEGS AT LEAST ½ INCHES LONG AND A CROWN AT LEAST ¾ INCHES WIDE. NAILS SHALL BE AT LEAST 14 GAUGE, 1 INCH LONG, WITH BUTTON HEADS AT LEAST ¾ INCHES WIDE.
2. SEE SECTION 171 FOR PLACEMENT OF NAILS OR STAPLES FOR TYPE A AND TYPE C FENCES.
3. THE VERTICAL WIRES FOR THE WOVEN WIRE SUPPORT FENCE SHALL HAVE A MAXIMUM SPACING OF 12 INCHES. THE TOP AND BOTTOM WIRES SHALL BE AT LEAST 10 GAUGE AND ALL OTHER WIRES SHALL BE AT LEAST 12½ GAUGE.
4. TEMPORARY SILT FENCE INSTALLATION IS DIFFERENT THAN THE SILT RETENTION BARRIER INSTALLATION.
5. SEE SECTION 171 FOR SILT FENCE SPECIFICATIONS.
6. SEE SECTION 894 FOR FENCING SPECIFICATIONS.
7. SEE OPL-36 FOR A LIST OF APPROVED SILT FENCE FABRIC.
8. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

BY	DATE	REVISION
AL	09-2022	ADDED HIGH TENSILE POLYPROPYLENE INTEGRATED FABRIC

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL

TEMPORARY SILT FENCE

JANUARY 2011
NO SCALE

NUMBER D-24A
1 OF 4

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

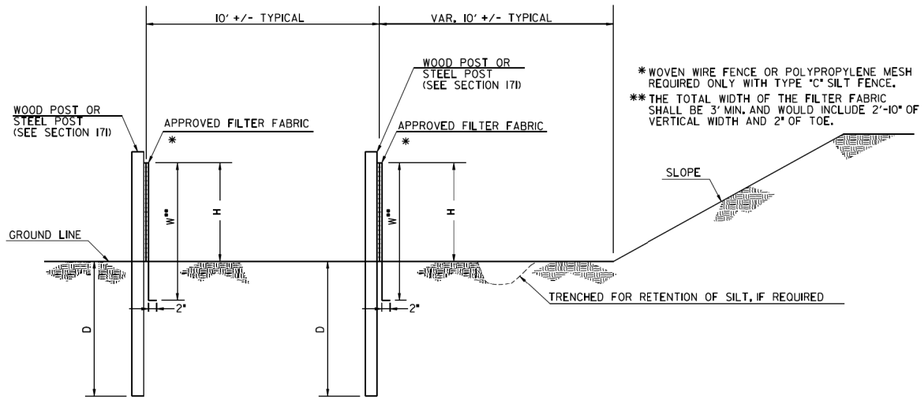
REVISION DATES

EROSION CONTROL CONSTRUCTION DETAILS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		56-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE 11/05/2020

NOT RELEASED FOR CONSTRUCTION

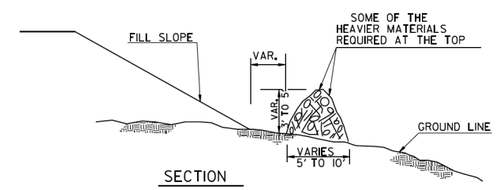


ELEVATION

DOUBLE ROW SILT FENCE

FENCE TYPE	POST LENGTH	H	D	W**	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS



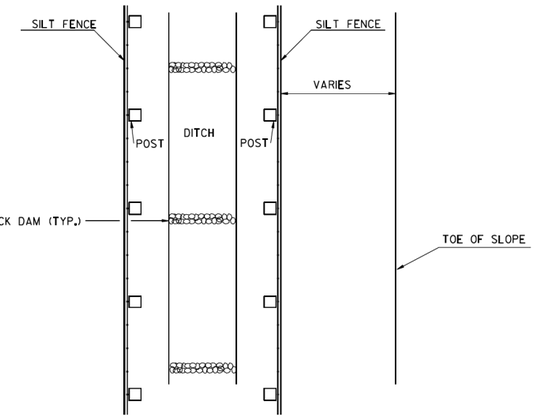
SECTION

NOTE: INTERMINGLE BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM.

FRONT VIEW

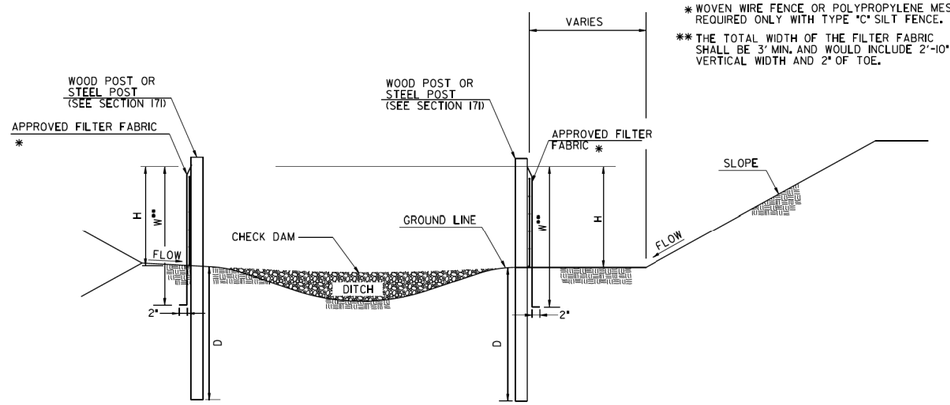
NOTE: BRUSH BARRIER(S) WILL BE INCLUDED IN PAYMENT FOR CLEARING & GRUBBING.

BRUSH BARRIER DETAILS
(FOR USE IN RURAL AREAS)



PLAN

NOTE:
TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.



ELEVATION

FENCE TYPE	POST LENGTH	H	D	W**	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

SILT FENCE
PERIMETER INSTALLATION ALONG DITCH SECTION

DATE	09-2022	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
REVISION	FABRIC WIDTH CLARIFICATION	CONSTRUCTION DETAILS TEMPORARY SILT FENCE BERM DITCH, INSTALLATION, BRUSH BARRIER
BY	BAS	REV. AND REDRAWN JAN. 2011 NO SCALE
		NUMBER D-24B (SHEET 2 OF 4)

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

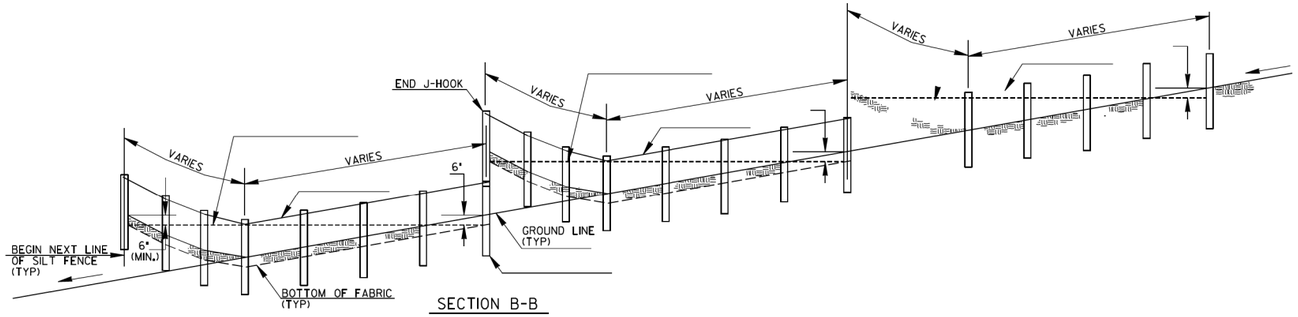
KCI

REVISION DATES		

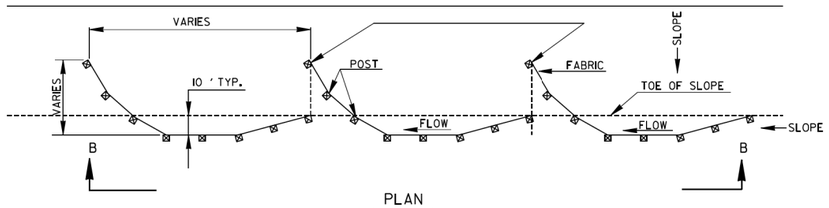
EROSION CONTROL CONSTRUCTION DETAILS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		56-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

NOT RELEASED FOR CONSTRUCTION

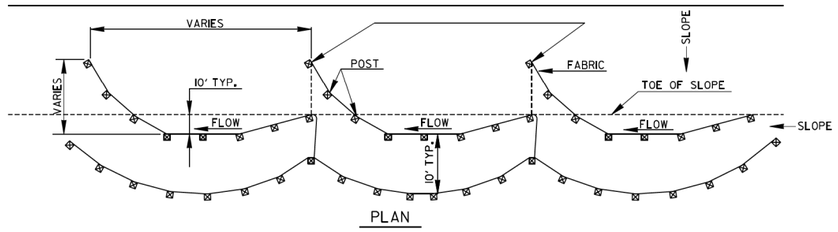


SECTION B-B



PLAN

SINGLE ROW SILT FENCE



PLAN

DOUBLE ROW SILT FENCE

TYPICAL J HOOK SPACING		
SLOPE PERCENT	TYPE OF SILT FENCE	MINIMUM SPACING (FEET)
1% TO 2%	TYPE A OR TYPE C	100' ±
2% TO 3%	TYPE A OR TYPE C	50' ±
3% TO 4%	TYPE C	50' ±
4% TO 5%	TYPE C	25' ±

NOTE:
1. IF THE GRADE IS BETWEEN 0 TO 1PERCENT, THE SILT FENCE SHALL BE PLACED ACROSS THE DITCH.

2. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

(PLASTIC ALTERNATE)

NOTE:
THE DRAINAGE AREA ENTERING THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.

TYPICAL CONSTRUCTION SEQUENCE FOR INLET SEDIMENT TRAP ALTERNATE

1. EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.

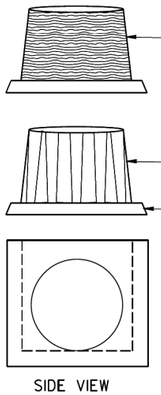
2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.

3. SLIDE THE FILTER OVER THE FRAME.

4. FILL THE FILTER POCKETS WITH SOIL, #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.

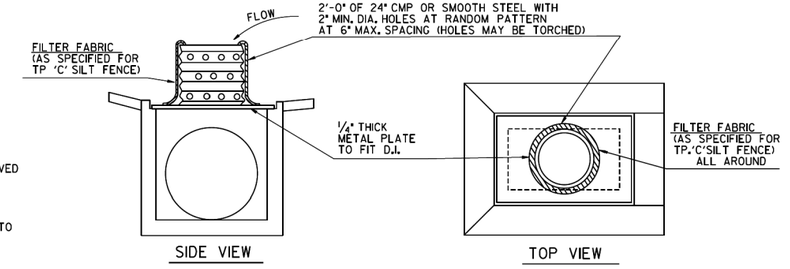
5. BACK FILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACK FILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.

NOTE:
INLET SEDIMENT TRAP ALTERNATE SHALL BE AS APPROVED BY THE GA. D.O.T. OFFICE OF MATERIALS & RESEARCH. DETAILS & SPECIFICATIONS NOT SHOWN ARE PER THE MANUFACTURER'S REQUIREMENTS.



SIDE VIEW

(METAL ALTERNATE)



SIDE VIEW

TOP VIEW

NOTE: WHERE INLET SEDIMENT TRAPS ARE SPECIFIED, EITHER THE PLASTIC ALTERNATE (LEFT) OR THE METAL ALTERNATE (RIGHT) MAY BE USED AS APPROVED BY THE ENGINEER.

NOTE:
INLET SEDIMENT TRAP AND INLET TO BE BUILT CONTINUOUS WITH PIPE

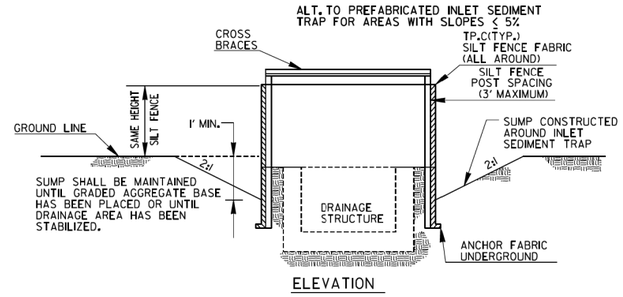
NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH

NOTE: SEE SEPARATE DETAILS FOR SILT FENCE AROUND DROP INLETS.

INLET SEDIMENT TRAP - FOR DROP INLETS

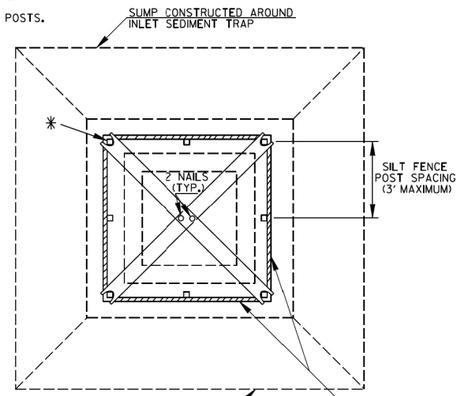
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

TYPICAL LOCATION AROUND DROP INLETS



ELEVATION

✳ CROSS BRACING REQUIRED WHEN USING "ALTERNATE" TYPE C PRODUCTS WHICH USE WOOD POSTS.



PLAN

CROSS BRACES:

TWO - 2 X 4's WITH ENDS TO FIT POST, PROVIDING STURDY SUPPORT, OR AN APPROVED ALTERNATE

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH.

NOTE:
SEE SEPARATE SHEET ENTITLED "TEMPORARY SILT FENCE DETAILS" FOR SILT FENCE ERECTION DETAILS.

09-2022 DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
PLACEMENT CLARIFICATION REVISION	CONSTRUCTION DETAILS TEMPORARY SILT FENCE J-HOOK, INLET SEDIMENT TRAPS	
BAS BY	JANUARY 2011 NO SCALE	NUMBER D-24C (SHEET 3 OF 4)

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

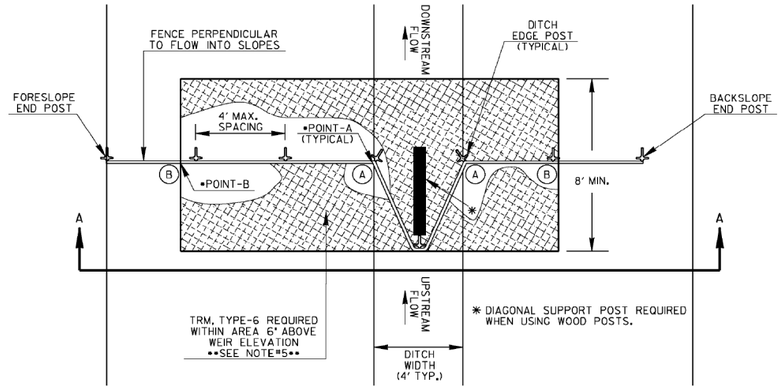
REVISION DATES

EROSION CONTROL CONSTRUCTION DETAILS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		56-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

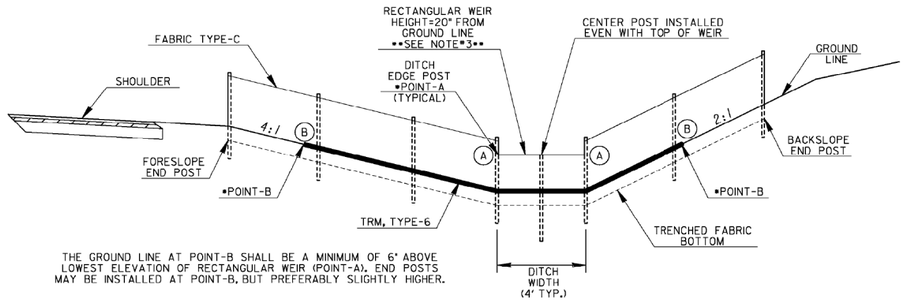
NOT RELEASED FOR CONSTRUCTION

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



PLAN VIEW

TYPICAL FABRIC CHECK DAM SPACING	
GRADE OF DITCH	MINIMUM SPACING (FEET)
LESS THAN 1%	100' ±
1% TO 3%	75' ±
3% TO 6%	50' ±
6% TO 8%	25' ±



SECTION A-A

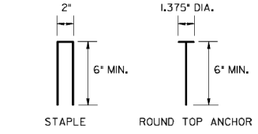
NOTE: CROSS-SECTION SHOWN IS AN EXAMPLE OF A TYPICAL CUT SECTION WITH A 4-FT FLAT BOTTOM DITCH. ACTUAL FABRIC CHECK DAMS SHALL BE INSTALLED SIMILARLY ACCORDING TO ROADWAY CROSS-SECTIONS.

NOTES:

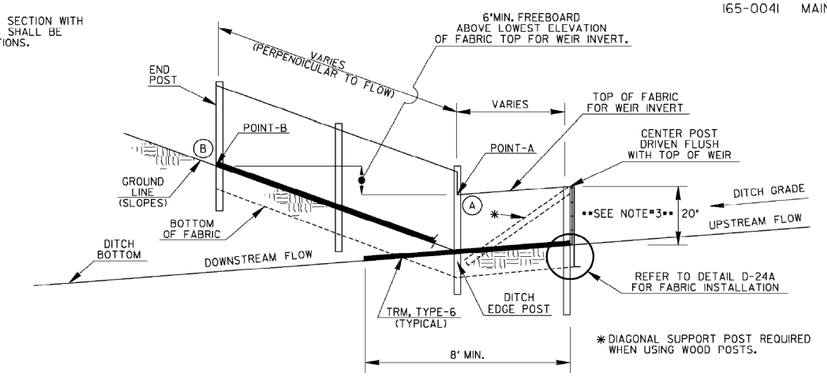
1. FABRIC CHECK DAMS MAY BE USED FOR FLOWS UP TO 2.0-CFS. A ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM POINT FOR FLOWS GREATER THAN 2.0-CFS.
2. FABRIC CHECK DAMS SHALL NOT BE PLACED WITHIN FLOWING STATE WATERS.
3. FABRIC CHECK DAMS MAY BE USED IN DITCHES WITH DEPTHS AT LEAST 26-IN. IF DITCH DEPTH IS LESS THAN 26-IN, THE WEIR INVERT MAY BE LOWERED SLIGHTLY IN THE FIELD TO PROVIDE 6-IN MINIMUM FREEBOARD ABOVE POINT-A OR TO MATCH SPACING OF WIRE SUPPORT. THE WEIR HEIGHT SHALL BE NO LESS THAN 15-IN. THE DESIGNER SHALL CONSIDER OTHER APPROPRIATE BMPs FOR CONCENTRATED FLOW FOR DITCH DEPTHS LESS THAN 26-IN.
4. THE FOLLOWING STEPS ARE RECOMMENDED FOR PROPER FABRIC CHECK DAM INSTALLATION:
   - A) DETERMINE DITCH CENTERLINE AND USE A LINE LEVEL OR OTHER MEANS TO FIND POINT-B WITHIN THE DITCH FORESLOPE AND BACKSLOPE TO PROVIDE 6-IN MINIMUM FREEBOARD ABOVE POINT-A.
   - B) CREATE TRENCH 6-IN BELOW DITCH GRADE TO FIT LAYOUT FROM STEP-A WITH MINIMAL SOIL DISTURBANCE.
   - C) LAYOUT TURF REINFORCEMENT MATTING (TRM), TYPE-6 TO PROVIDE PROTECTION A MINIMUM LENGTH OF 8-FT DOWNSTREAM OF CENTER POST TO FUNCTION AS A SPLASH PAD TO PREVENT SCOURING. ADDITIONAL NECESSARY TRM SHALL BE OVERLAPPED 3-FT. THE WIDTH SHALL BE THE DISTANCE BETWEEN POINT-B ON THE DITCH FORESLOPE AND POINT-B ON BACKSLOPE.
   - D) INSTALL FENCE POSTS THROUGH TRM WITHIN TRENCH. CENTER POST AND POSTS WITHIN WEIR AREA SHALL BE INSTALLED FLUSH WITH WEIR. CUT TRM WITHIN TRENCH FOLLOWING CHECK DAM LAYOUT AND SAVE UPSTREAM PORTION OF TRM FOR FURTHER USE.
   - E) PROPERLY INSTALL TYPE-C SILT FENCE. TRENCH BACKFILL SHALL BE COMPACTED WITH A HAND TAMPER, JUMPING JACK COMPACTOR, OR PLATE COMPACTOR TO PREVENT UNDERMINING.
   - F) INSTALL PREVIOUSLY CUT TRM FROM STEP-D UPSTREAM AGAINST CHECK DAM. INSTALLING UPSTREAM AND DOWNSTREAM TRM ACCORDING TO DETAIL D-35 FOR THIS TEMPORARY APPLICATION IS NOT REQUIRED. HOWEVER, TRM SHALL HAVE PROPER CONTACT WITH GROUND SURFACE, ANCHORED 6-IN MAXIMUM SPACING ALONG THE EDGES, AND ADEQUATELY WITHIN THE MATTED AREA.
5. TEMPORARY INSTALLATION OF TRM WITH FABRIC CHECK DAMS SHALL BE INCLUDED IN THE LINEAR COST OF THE CONSTRUCTION, REMOVAL, AND MAINTENANCE OF EACH FABRIC CHECK DAM. NO ADDITIONAL PAYMENT WILL BE MADE.

PAY ITEMS:
163-0528 CONSTRUCT & REMOVE FABRIC CHECK DAM, TYPE-C SILT FENCE (LF)
165-0041 MAINTENANCE OF CHECK DAMS - ALL TYPES (LF)

TURF REINFORCEMENT MATTING ANCHOR



NOTE: TURF REINFORCEMENT MATTING SHALL BE ANCHORED WITH 8-GAUGE METAL STAPLES OR ROUND TOP ANCHORS. ANCHORS SHALL BE LONG ENOUGH TO PROVIDE SUFFICIENT GROUND PENETRATION TO RESIST PULL OUT.



DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
TEMPORARY SILT FENCE
FABRIC CHECK DAM

NO SCALE REV. AND REDRAWN, JULY 2015

NUMBER D-24D (SHEET 4 OF 4)

DATE | REVISION | BY

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

REVISION DATES

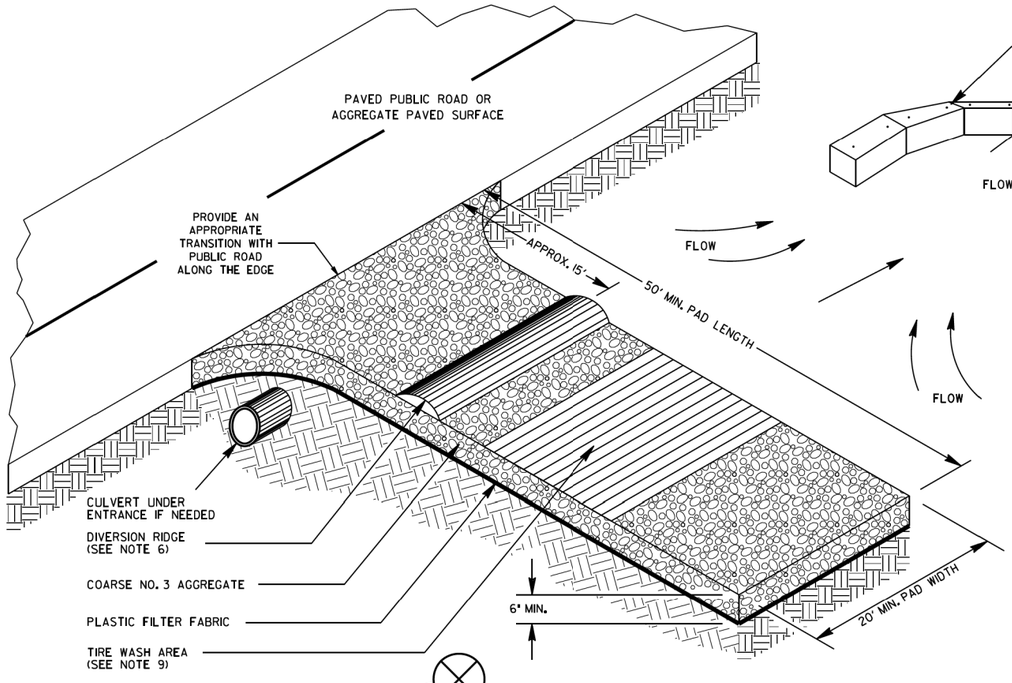
EROSION CONTROL CONSTRUCTION DETAILS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		56-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



GENERAL NOTES:

1. AVOID LOCATING CONSTRUCTION EXITS ON STEEP SLOPES OR AT SHARP CURVES ON PUBLIC ROADS. CONSTRUCTION EXITS ARE NOT REQUIRED FOR DIRT PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA AND GRADE FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE COARSE NO. 3 AGGREGATE WITH 0.0% PASSING THE 1.06 INCH U.S. STANDARD SIEVE.
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES AND PLACED ON APPROVED PLASTIC FILTER FABRIC.
5. GRAVEL PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. PROVIDE A TRAVERSABLE DIVERSION RIDGE CONSTRUCTED OF AGGREGATE 6 INCHES TO 8 INCHES HIGH WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL CULVERT UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. TIRE WASH AREA INCLUDES SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE AND SHALL BE CONSTRUCTED EVEN IF CONSTRUCTION EXIT TIRE CLEANING STATION IS NOT USED.
9. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD DOES NOT SUFFICIENTLY REMOVE THE MUD PRIOR TO ENTERING PUBLIC ROADS THUS DICTATING ADDITIONAL TIRE CLEANING MEASURES, THE CONTRACTOR SHALL ADD A CONSTRUCTION EXIT TIRE CLEANING STATION TO AN EXISTING CONSTRUCTION EXIT OR WHEN DIRECTED BY THE ENGINEER. THE CONSTRUCTION EXIT TIRE CLEANING STATION INCLUDES: WATER SOURCE, LABOR AND ALL MATERIALS NECESSARY TO PERFORM TASK. THIS WILL BE PAID FOR AS SHOWN IN SECTION 163.

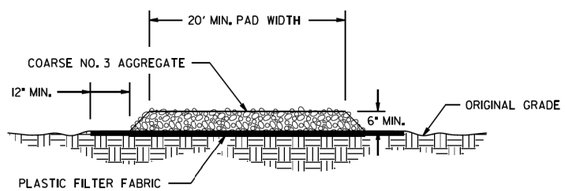
   THE WASHING SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE THAT DRAINS INTO A SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE CONSTRUCTION EXIT TO THE SEDIMENT CONTROL DEVICE. ACCEPTABLE SEDIMENT STORAGE DEVICE EXAMPLES INCLUDE TEMPORARY SEDIMENT TRAPS, HAY BALES OR STONE FILTER RING WITH THE SEDIMENT STORAGE SIZED FOR 67 CUBIC YARDS PER ACRE OF DRAINAGE. TIRE WASHING SHALL BE DONE MANUALLY OR BY EQUIPMENT SUITABLE FOR TRUCK TRAFFIC THAT REMOVES MUD AND DIRT.
10. AGGREGATE SHALL BE KEPT LOOSE OR SCARIFIED WHEN AGGREGATE BECOMES CONSOLIDATED.
11. CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR, AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. MAINTENANCE OF CONSTRUCTION EXIT MAY BE PAID WITH OR WITHOUT THE MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA. WHEN DIRECTED BY THE ENGINEER. ALL MUD AND DEBRIS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

   SEE SECTION 163 FOR THE CONSTRUCTION AND REMOVAL OF CONSTRUCTION EXITS. SEE SECTION 165 FOR THE MAINTENANCE OF CONSTRUCTION EXITS.

PAY ITEM:

163-0301	CONSTRUCT AND REMOVE CONSTRUCTION EXITS	(EA)
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	(EA)
165-0310	MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA	(EA)
PAY ITEM:	**FOR FIELD USE ONLY ACCORDING TO SECTION 163**	
163-0310	CONSTRUCTION EXIT TIRE CLEANING STATION	(DAY)

ENTRANCE ELEVATION



DATE	REVISION	BY
11-04-20	REV GEN NOTES • 8-9	MAC
04-18-18	REV. PAY ITEM DESCS/REFS	
04-22-16	REV. TIRE WASH & NOTES	DLE
01-19-11	REV. GSMCC 2016 MANUAL	DLE
	REV. CONSTR. EXIT LABELS	TPC

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

CONSTRUCTION EXIT

NO SCALE FEBRUARY 2001

DESIGNED ____
DRAWN DLE
TRACED ____
CHECKED ____

NUMBER D-41

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

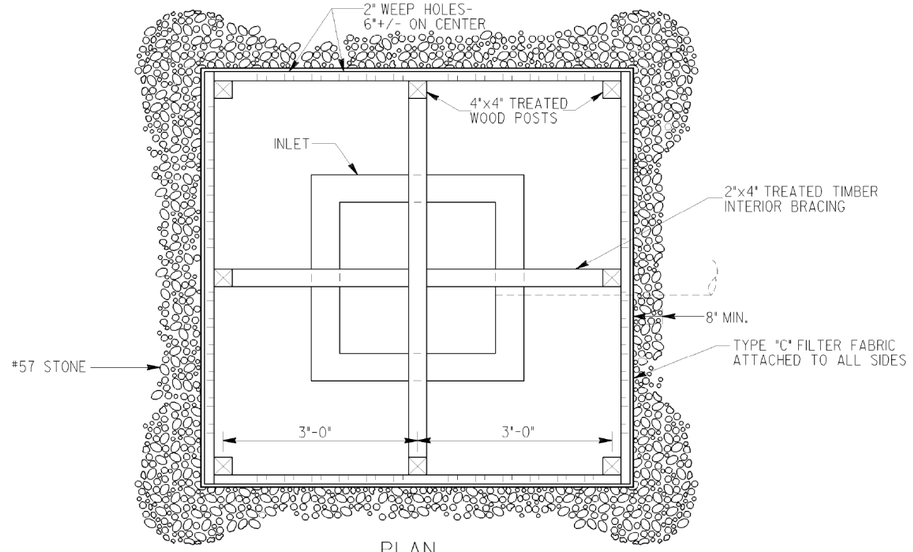
REVISION DATES

EROSION CONTROL CONSTRUCTION DETAILS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		56-0005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE 11/05/2020

NOT RELEASED FOR CONSTRUCTION

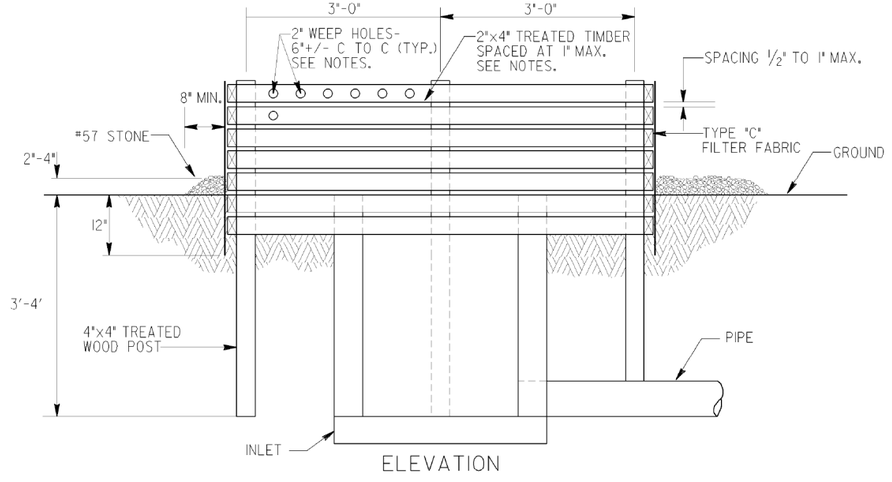


PLAN

NOTES:

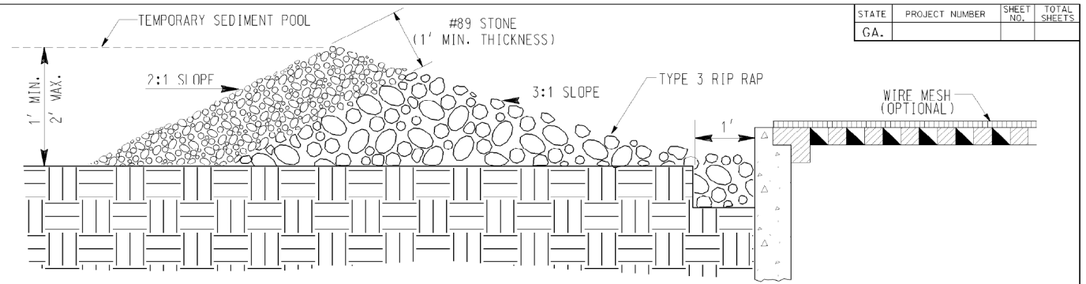
BAFFLE BOX SHALL BE CONSTRUCTED OF 2"x4" TREATED TIMBER SPACED A MAXIMUM OF 1" APART OR OF PLYWOOD WITH WEEP HOLES 2" IN DIAMETER PLACED APPROXIMATELY 6" ON CENTER VERTICALLY AND HORIZONTALLY.

GRAVEL SHALL BE PLACED OUTSIDE THE BOX, ALL AROUND THE INLET, TO A DEPTH OF 2 TO 4 INCHES. THE ENTIRE BOX SHALL BE WRAPPED IN TYPE "C" FILTER FABRIC THAT SHALL BE ENTRENCHED 12 INCHES AND BACKFILLED.

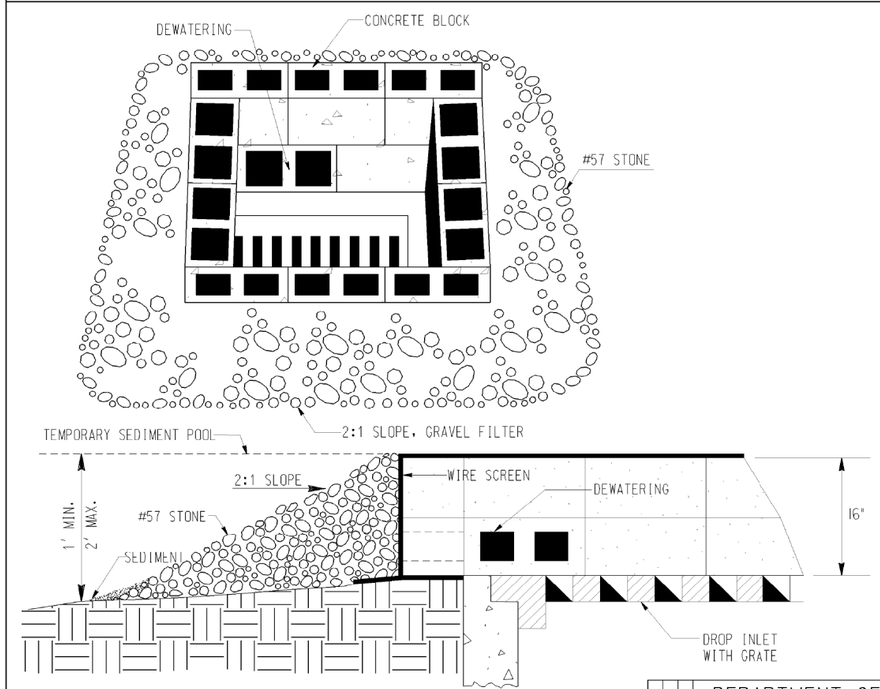


ELEVATION

BAFFLE BOX (Sd2-B)



GRAVEL DROP INLET PROTECTION
(GRAVEL DONUT) Sd2-G



BLOCK & GRAVEL DROP
INLET PROTECTION
(Sd2-Bg)

BASIS OF PAYMENT:
CONSTRUCT AND REMOVE INLET SEDIMENT TRAP _____ EACH

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL
INLET SEDIMENT TRAPS
BAFFLE BOX Sd2-B
BLOCK AND GRAVEL DROP INLET PROTECTION Sd2-Bg
GRAVEL DROP INLET PROTECTION Sd2-G
NO SCALE MAY 2008

NUMBER D-42

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

REVISION DATES

EROSION CONTROL CONSTRUCTION DETAILS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

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

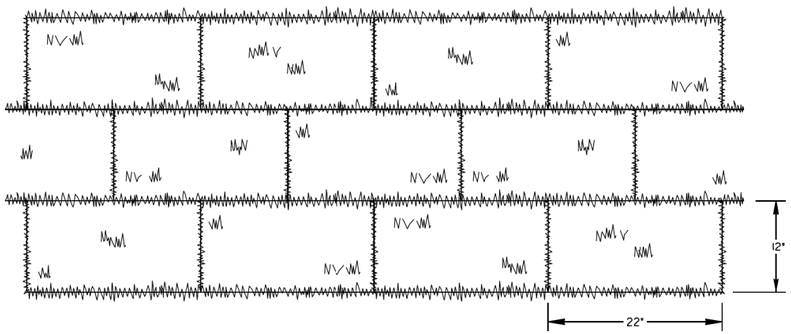
DRAWING No. 56-0006

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

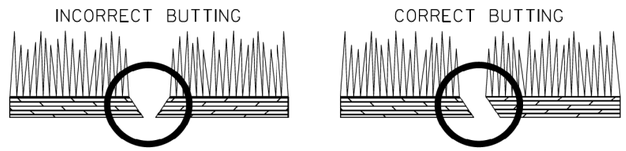
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

SOD LAYOUT

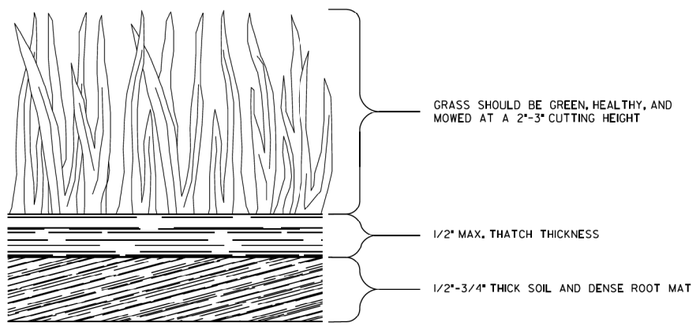


NOTE: SOD MAY BE EITHER 12" WIDE BY 22" LONG BLOCKS OR 2I" WIDE BY 52' LONG ROLLS.

ABUTTING SOD



SOD APPEARANCE



GENERAL NOTES:

1. SOD SHALL MEET SECTIONS 700 AND 890 OF THE STANDARD SPECIFICATIONS AND SUPPLEMENTS THERETO. SOD SHALL BE CUT INTO 12"Wx22"L BLOCKS OR 2I"Wx52'L ROLLS.
2. PLACE SOD IN A STAGGERED PATTERN ENSURING FIRM CONTACT WITH THE SOIL. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER WITH THE AUTOMATIC SOD CUTTER ANGLES CORRECTLY MATCHED WITHOUT SPACES OR OVERLAP.
3. PLACE THE LONG SIDE OF SOD PERPENDICULAR TO DRAINAGE FLOW IF INSTALLED IN DITCHES.
4. STAKE SOD PLACED IN DITCHES OR SLOPES STEEPER THAN 2:1 OR ANY OTHER AREAS WHERE SOD SLIPPING MAY OCCUR. USE WOOD STAKES THAT ARE A MINIMUM OF 8" LONG AND A MAXIMUM OF 1" WIDE. DRIVE STAKES FLUSH WITH THE TOP OF SOD AND USE A MINIMUM OF 8 STAKES PER SQUARE YARD TO HOLD SOD IN PLACE.
5. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL.
6. WATER THE SOD IMMEDIATELY AFTER INSTALLATION AND WATER TO A DEPTH OF 4" AS NEEDED.
7. MOW ESTABLISHED SOD TO A HEIGHT NOT LESS THAN 2"-3" AS NECESSARY.

PAY ITEM:
700-9300 SOD (SY)

BY	REVISION	DATE

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

SOD INSTALLATION

NO SCALE 4-22-2016

DESIGNED ____
DRAWN DLE
TRACED ____
CHECKED ____

NUMBER D-54

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

KCI

REVISION DATES

EROSION CONTROL CONSTRUCTION DETAILS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

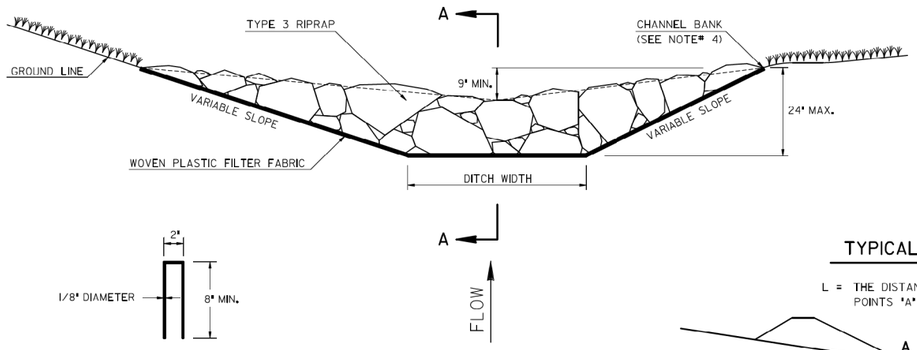
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		56-0007
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

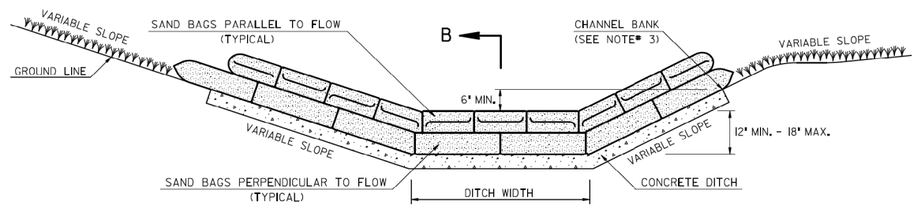
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

STONE CHECK DAM



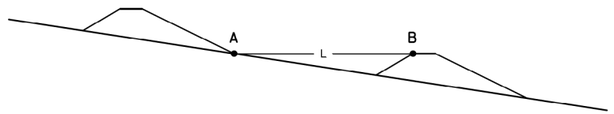
METAL FILTER FABRIC STAPLE

SAND BAG CHECK DAM



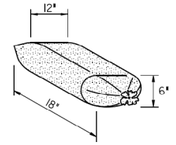
TYPICAL CHECK DAM SPACING

L = THE DISTANCE BETWEEN CHECK DAMS SUCH THAT POINTS "A" AND "B" ARE OF EQUAL ELEVATION

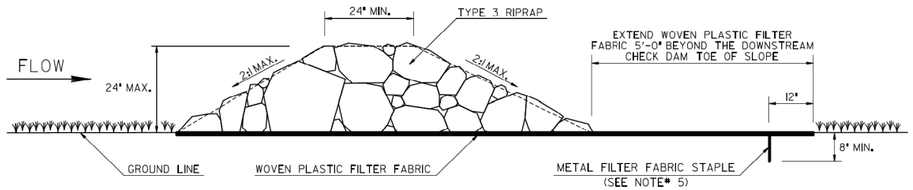


SAND BAG DIMENSIONS

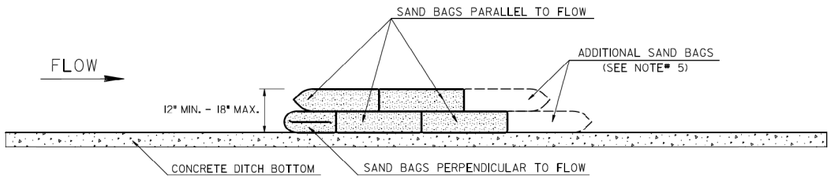
(SEE NOTE* 6)



SECTION A-A



SECTION B-B



STONE CHECK DAM GENERAL NOTES:

1. STONE CHECK DAMS SHALL NOT BE INSTALLED IN THE CLEAR ZONE OF UNPROTECTED ACTIVE TRAFFIC.
2. APPROPRIATE CONVENTIONAL OR APPROVED ALTERNATIVE BMPs SHALL BE PROVIDED DOWNSTREAM OF STONE CHECK DAMS AT THE DISCHARGE POINT FOR FLOWS GREATER THAN 2.0-CUBIC FEET PER SECOND.
3. STONE CHECK DAMS SHALL NOT BE PLACED WITHIN FLOWING STATE WATERS.
4. THE CENTER OF THE STONE CHECK DAM SHALL BE AT LEAST 9-INCHES LOWER THAN THE OUTER EDGES OF THE STONE CHECK DAM. THE HEIGHT AT THE CENTER OF THE STONE CHECK DAM MAY BE INCREASED TO A MAXIMUM OF 24-INCHES IF A MINIMUM OF 9-INCHES OF FREEBOARD IS STILL PROVIDED AT THE CHANNEL BANK.
5. ANCHOR THE WOVEN PLASTIC FILTER FABRIC TO THE GROUND SURFACE WITH METAL FILTER FABRIC STAPLES 12-INCHES FROM THE EDGE AND NO GREATER THAN 12-INCHES APART.
6. REMOVE SEDIMENT WHEN IT REACHES ONE-HALF THE HEIGHT OF THE STONE CHECK DAM. WOVEN PLASTIC FILTER FABRIC SHALL BE REPLACED WHEN DAMAGED OR DETERIORATED.
7. PROVIDE PERMANENT CHANNEL PROTECTION AS SHOWN AND/OR NOTED IN THE PLANS AFTER STONE CHECK DAM IS REMOVED.

SAND BAG CHECK DAM GENERAL NOTES:

1. SAND BAG CHECK DAMS ARE ONLY USED FOR TEMPORARY VELOCITY CONTROL IN CONCRETE LINED DITCHES AND SHALL NOT BE INSTALLED IN THE CLEAR ZONE OF UNPROTECTED ACTIVE TRAFFIC.
2. APPROPRIATE CONVENTIONAL OR APPROVED ALTERNATIVE BMPs SHALL BE PROVIDED UPSTREAM AND/OR DOWNSTREAM OF CONCRETE DITCHES.
3. THE CENTER OF THE SAND BAG CHECK DAM SHALL BE AT LEAST 6-INCHES LOWER THAN THE OUTER EDGES OF THE SAND BAG CHECK DAM AT THE GROUND LINE. THE HEIGHT AT THE CENTER OF THE SAND BAG CHECK DAM SHALL BE A MINIMUM OF 12-INCHES AND A MAXIMUM OF 18-INCHES.
4. INSTALL SAND BAGS TIGHTLY ABUTTING EACH OTHER AND STACK IN A RUNNING BOND PATTERN. FOLD ANY FLAPS AWAY FROM WATER FLOW.
5. IF ADDITIONAL SAND BAGS ARE WARRANTED FOR STABILITY, INSTALL AS SHOWN AND DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST.
6. SAND BAG SIZES MAY VARY. ASSUME A FILLED SAND BAG HAS APPROXIMATE DIMENSIONS OF 12"Wx6"Hx18"L.
7. REMOVE SEDIMENT WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SAND BAG CHECK DAM. SAND BAGS SHALL BE REPLACED WHEN DAMAGED OR DETERIORATED AT NO ADDITIONAL COST TO THE DEPARTMENT.

NOTE:
SEE STANDARD SPECIFICATION 163, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL OF STONE CHECK DAMS AND SAND BAG CHECK DAMS. SEE STANDARD SPECIFICATION165, AND SUPPLEMENTS THERETO FOR THE MAINTENANCE OF STONE CHECK DAMS AND SAND BAG CHECK DAMS.

PAY ITEMS:
163-0527 CONSTRUCT AND REMOVE RIPRAP CHECK DAMS, STONE PLAIN RIPRAP/SAND BAGS (EA)
165-0041 MAINTENANCE OF CHECK DAMS - ALL TYPES (LF)

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
STONE RIPRAP & SAND BAG TEMPORARY CHECK DAMS

NO SCALE

11-28-2018

DESIGNED DLE
DRAWN DLE
TRACED
CHECKED

NUMBER D-56

REVISION DATES

EROSION CONTROL CONSTRUCTION DETAILS
SR 53 @ LUMPKIN CAMPGROUND ROAD
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No. 56-0008
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

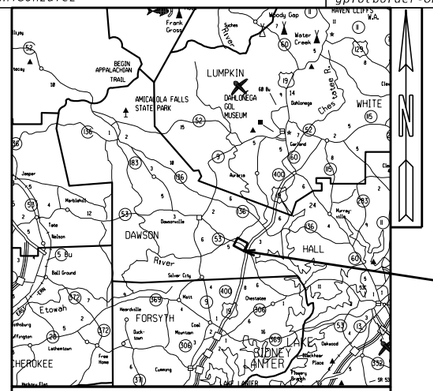
GPLN-CE
11/05/2020

4/29/2026	GPLOT-ORD	00031333_001_60-0001.dgn	STATE	COUNTY
Adan.Gonzalez	gplotborder-ORD.tbl	CONCOV	GA	DAWSON

DEPARTMENT OF TRANSPORTATION
DAWSON COUNTY

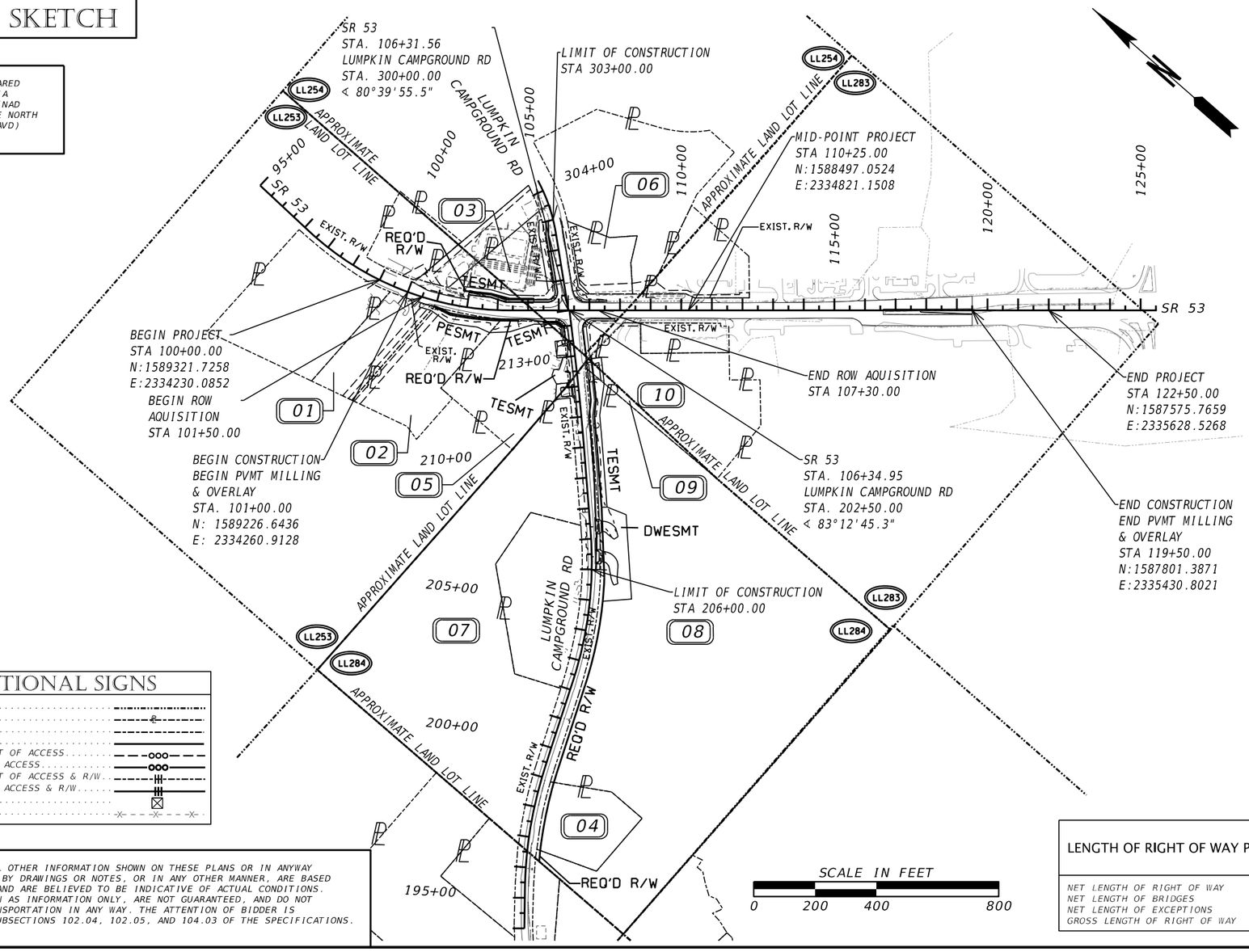
RIGHT OF WAY OF PROPOSED

SR 53 AT LUMPKIN CAMPGROUND RD INTERSECTION IMPROVEMENTS



LOCATION SKETCH

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



SCALE IN FEET
0 200 400 800

CONVENTIONAL SIGNS

- LAND LOT LINE
- PROPERTY LINE
- RIGHT OF WAY LINE
  - EXISTING
  - REQUIRED
  - EXISTING LIMIT OF ACCESS
  - REQD LIMIT OF ACCESS
  - EXISTING LIMIT OF ACCESS & R/W
  - REQD LIMIT OF ACCESS & R/W
  - R/W MARKERS
- FENCE

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

LENGTH OF RIGHT OF WAY PROJECT	DAWSON COUNTY
	MILES
NET LENGTH OF RIGHT OF WAY	0.1098
NET LENGTH OF BRIDGES	0.0000
NET LENGTH OF EXCEPTIONS	0.0000
GROSS LENGTH OF RIGHT OF WAY	0.1098

DAWSON COUNTY Est. 1857 "Where Quality of Life Matters"

05-01-2026
NOT RELEASED FOR CONSTRUCTION
FOR BIDDING PURPOSES ONLY

PLANS PREPARED BY:

KCI TECHNOLOGIES
ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS
2160 Satellite Boulevard
Suite 130
Duluth, GA 30097
Ph: 678-990-6200 - Fax: 678-990-6222
www.kci.com

PLANS COMPLETED DATE: 04/29/2026

REVISIONS:

DRAWING No.
60-0001

4/29/2026	GPLOT-ORD	00031333_001_60.dgn	DAWSON COUNTY	PROJECT. NO
Adan.Gonzalez	gplotborder-ORD.tbl	GRWPLN		00031333

NOT RELEASED FOR CONSTRUCTION

DATE	DRAWING NO.	REVISION

DATE	DRAWING NO.	REVISION

DATE	REVISIONS	DATE	REVISIONS

DAWSON COUNTY
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

SR 53 AT LUMPKIN CAMPGROUND ROAD
COUNTY: DAWSON
LAND LOT NO: 253,254,283,284
LAND DISTRICT: N/A
GMD: 820
DATE: 4/29/2026 SH 2 OF 17

DRAWING No.

60-0002

GRWPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

CURVE# 01
PI 100+97.59
N 1,589,221.4597
E 2,334,186.3113
Δ 42°59'19.7" (LT)
D 05°58'05.92"
T 378.05'
L 720.28'
R 960.00'
E 71.76'
ed 4.2%
eMax 6%
D.S. 35 mph

BEGIN PROJECT
STA 100+00
N:1589321.726
E:2334230.085

99+00
100+00
101+00
102+00
103+00
104+00
PT 104+39.83

FUTURE DEVELOPMENT A-085-010132-1
PLANS ON PARCEL 3 CONTRACTOR TO VERIFY

SV36 EXIST
20' SANITARY SEWER EASEMENT

SV35 EXIST
30' POWER EASEMENT

APPROXIMATE LAND LOT LINE

LL254
LL253

03
N/F
1618 LAND HOLDINGS LLC
PARCEL ID: 113 037
LUMPKIN CMPGD RD N
SEE SHT 60-0012 & 60-0013

60' B.S.L.

DE13200
102+80.00
65.00' Lt.

DE13201
103+75.00
65.00' Lt.
10' LANDSCAPE STRIP

DE13101
DE13202
104+39.83
38.00' Lt.
50.00' Lt.

TESMT

EXIST. R/W

REQ'D R/W

20078
20077
20076
20075
20074
20102
20010

18'

B-7

DE13100
103+75.00
52.00' Lt.

CURVE #01

BEGIN CONSTRUCTION
BEGIN PVMT MILL AND INLAY
STA 101+00.00
N:1589226.644
E:2334260.913

BEGIN ROW AQUISITION
STA 101+50

SR 53

DWESMT

DE11400
DE11401
101+50.00
19.33' Rt.
34.00' Rt.

DE12203
101+88.43
34.00' Rt.

SV33 EXIST
60' CONSTRUCTION EASEMENT

SV34 EXIST
20' PERMANENT SANITARY SEWER EASEMENT

PESMT FOR CONSTR & MAINT. OF SLOPES & UTILITIES

DE12101
102+50.00
34.00' Rt.

DE12202
102+50.00
60.00' Rt.

DE12201
103+40.00
60.00' Rt.

DE12100
104+10.27
34.00' Rt.

DE12200
103+79.22
75.00' Rt.

DE15205
104+40.00
70.00' Rt.

01
N/F
NAINSREENI, LLC
PARCEL ID: 113 010 003
6002 HWY 53 E
SEE SHT 60-0012

02
N/F
CHRIST FELLOWSHIP CHURCH
OF DAWSON COUNTY, INC.
PARCEL ID: 113 010 002
HWY 53
SEE SHT 60-0012

05
N/F
KENNY M. PELFREY AND
DEBORAH B. PELFREY
PARCEL ID: 113 120
6104 HWY 53 E
SEE SHT 60-0013 & 60-0014

SCALE IN FEET
0 20 40 80

MATCH LINE STA. 104+50.00 DRAWING No. 60-0004

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

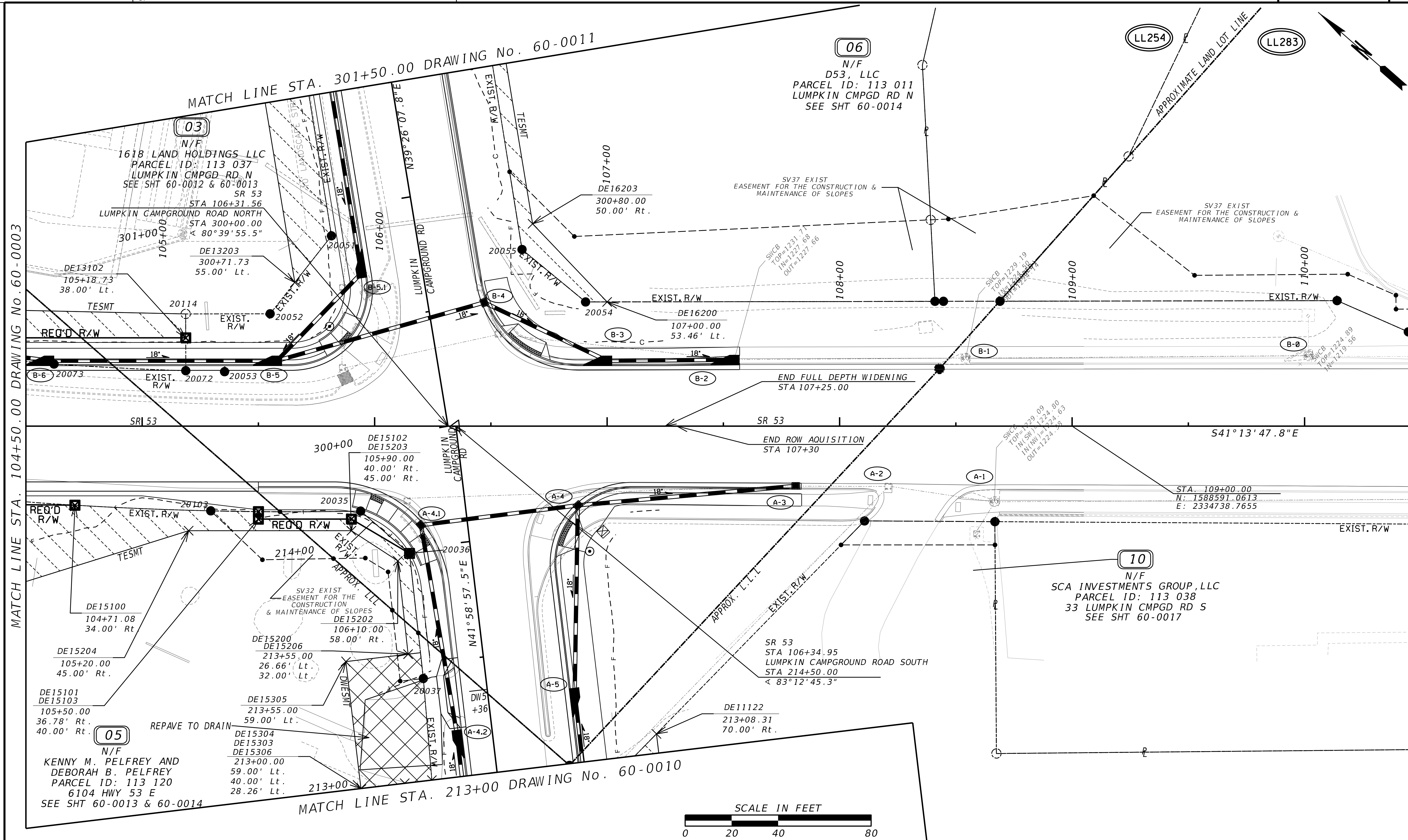
DATE	REVISIONS	DATE	REVISIONS

DAWSON COUNTY
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
SR 53 AT LUMPKIN CAMPGROUND ROAD
COUNTY: DAWSON
LAND LOT NO: 253,254,283,284
LAND DISTRICT: N/A
GMD: 820
DATE: 4/29/2026 SH 3 OF 17

DRAWING No.
60-0003

GRWPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



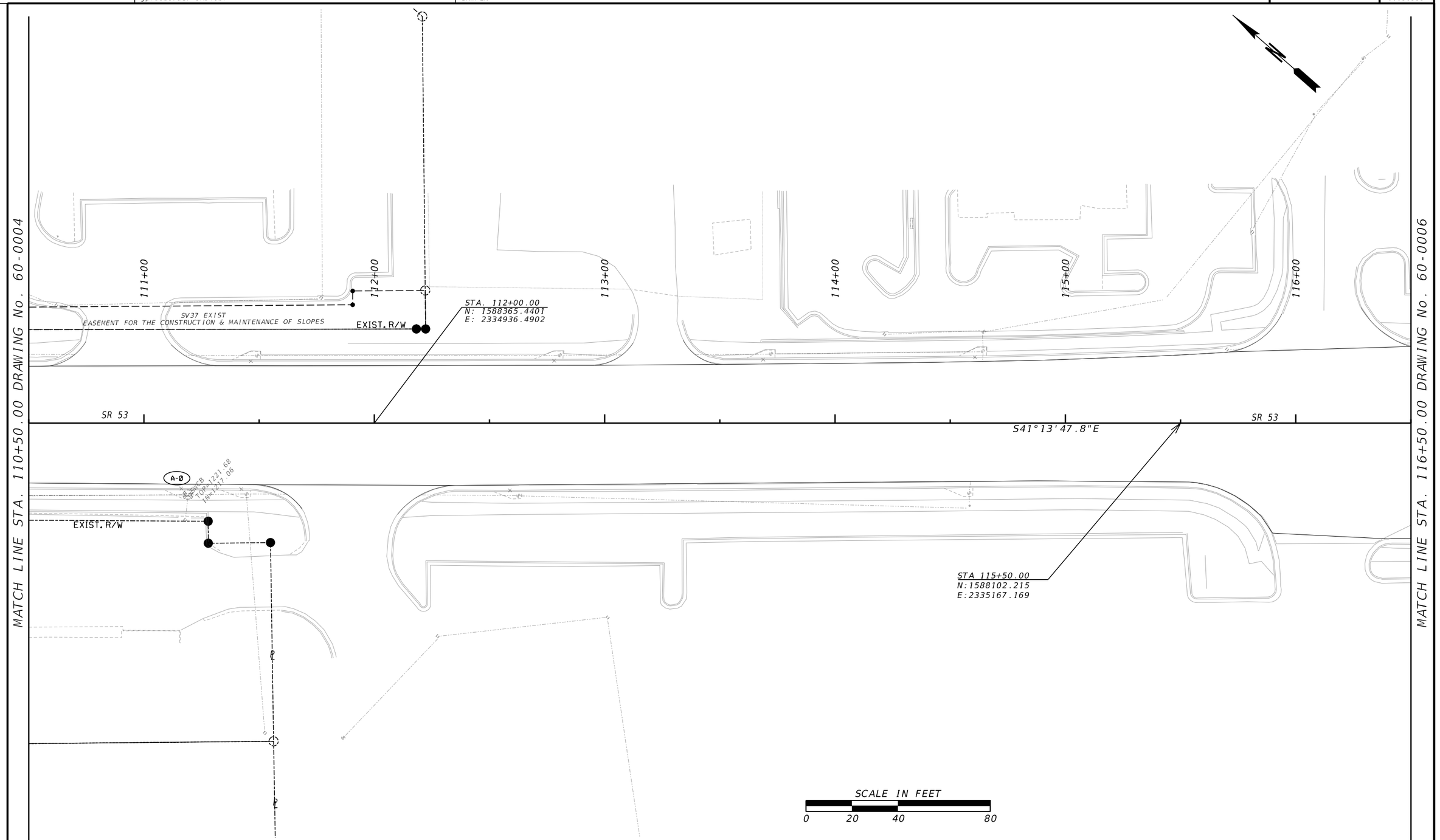
PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
PERM. EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES & UTL.	
TEMP. EASEMENT FOR CONSTR OF SLOPES	
PERM. EASEMENT FOR CONSTR OF DRIVES	
BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
EXISTING LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS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

DATE	REVISIONS	DATE	REVISIONS

DAWSON COUNTY
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
SR 53 AT LUMPKIN CAMPGROUND ROAD
COUNTY: DAWSON
LAND LOT NO: 253,254,283,284
LAND DISTRICT: N/A
GMD: 820
DATE: 4/29/2026 SH 4 OF 17

DRAWING No.
60-0004

NOT RELEASED FOR CONSTRUCTION



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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

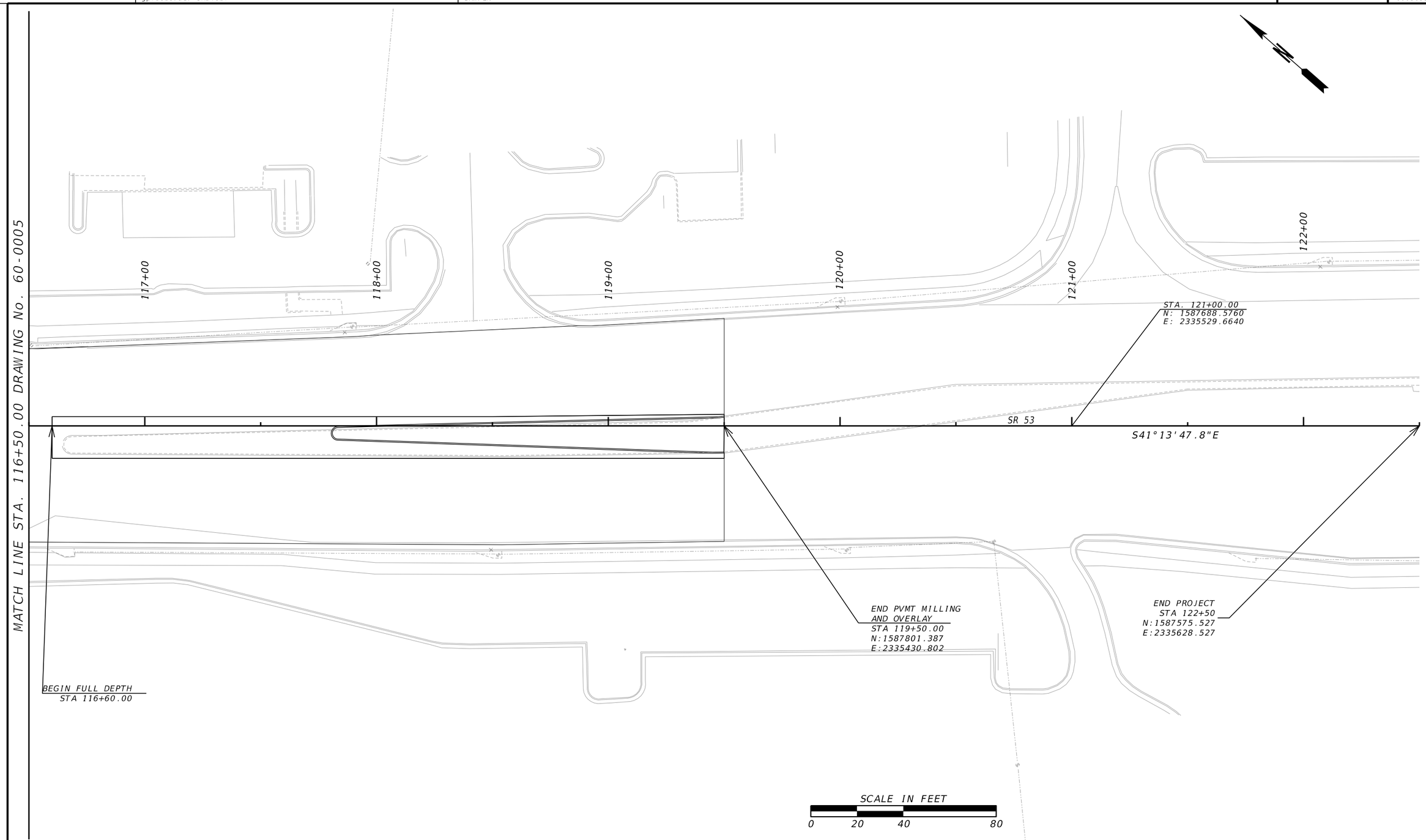
DATE	REVISIONS	DATE	REVISIONS

DAWSON COUNTY
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
SR 53 AT LUMPKIN CAMPGROUND ROAD
COUNTY: DAWSON
LAND LOT NO: 253,254,283,284
LAND DISTRICT: N/A
GMD: 820
DATE: 4/29/2026 SH 5 OF 17

DRAWING No. 60-0005

GRWPLN-CE 11/05/2020

NOT RELEASED FOR CONSTRUCTION



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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DATE	REVISIONS	DATE	REVISIONS

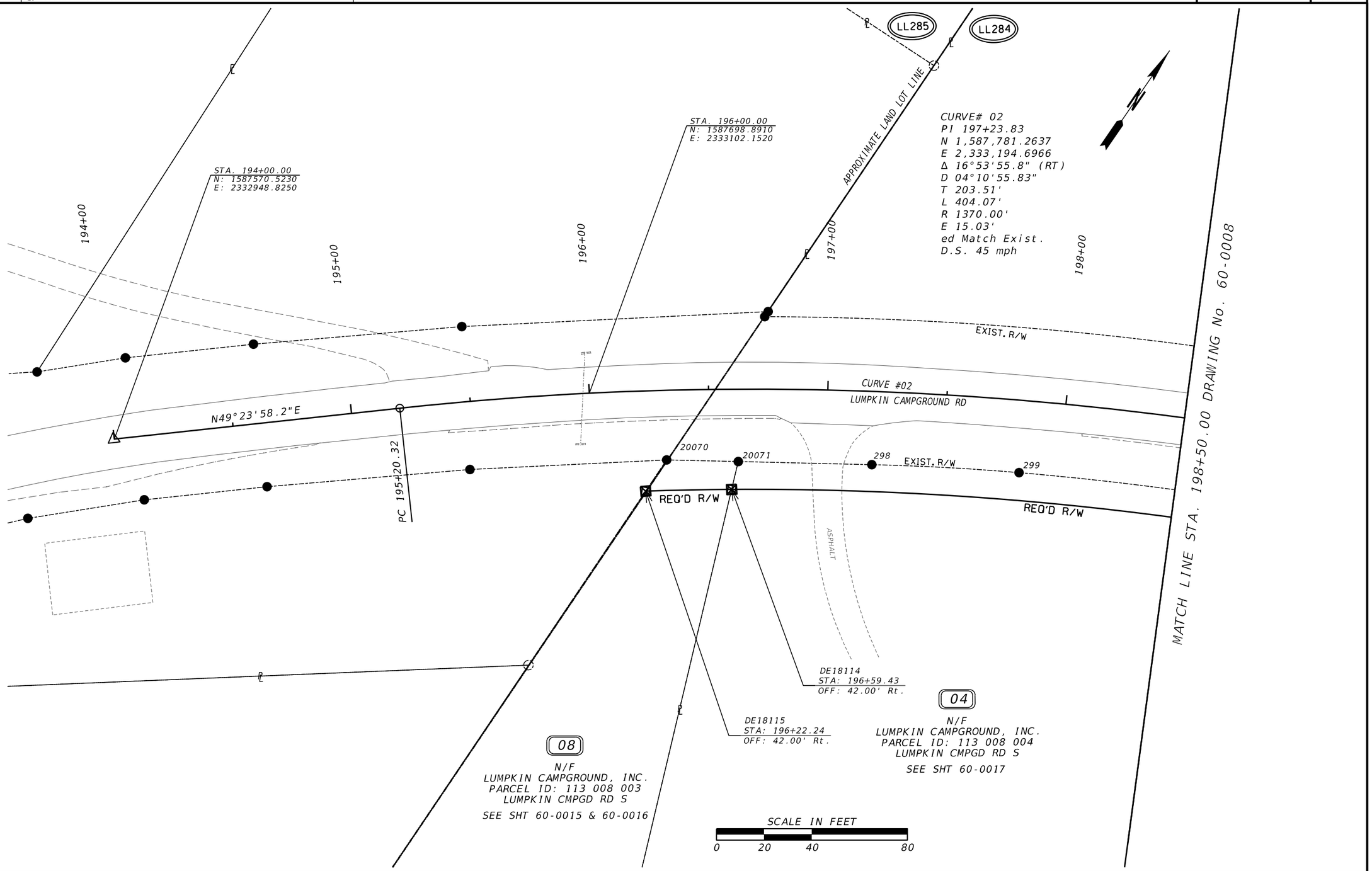
DAWSON COUNTY
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
SR 53 AT LUMPKIN CAMPGROUND ROAD
COUNTY: DAWSON
LAND LOT NO: 253,254,283,284
LAND DISTRICT: N/A
GMD: 820
DATE: 4/29/2026 SH 6 OF 17

DRAWING No.
60-0006

GRWPLN-CE
11/05/2020

4/29/2026	GPLOT-ORD	00031333_001_60.dgn	DAWSON COUNTY	PROJECT NO.
Adan.Gonzalez	gplotborder-ORD.tbl	GRWPLN		00031333

NOT RELEASED FOR CONSTRUCTION



PROPERTY AND EXISTING R/W LINE	------℄------
REQUIRED R/W LINE	———
CONSTRUCTION LIMITS	--C--F--
PERM. EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES & UTL.	
TEMP. EASEMENT FOR CONSTR OF SLOPES	
PERM. EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
EXISTING LIMIT OF ACCESS	— — ∞∞ — —
REQ'D LIMIT OF ACCESS	——— ∞∞ ———
EXISTING LIMIT OF ACCESS & R/W	------||------
REQ'D LIMIT OF ACCESS & R/W	——— ||
ORANGE BARRIER FENCE	●——●——●
ESA - ENV. SENSITIVE AREA	▼——▼——▼

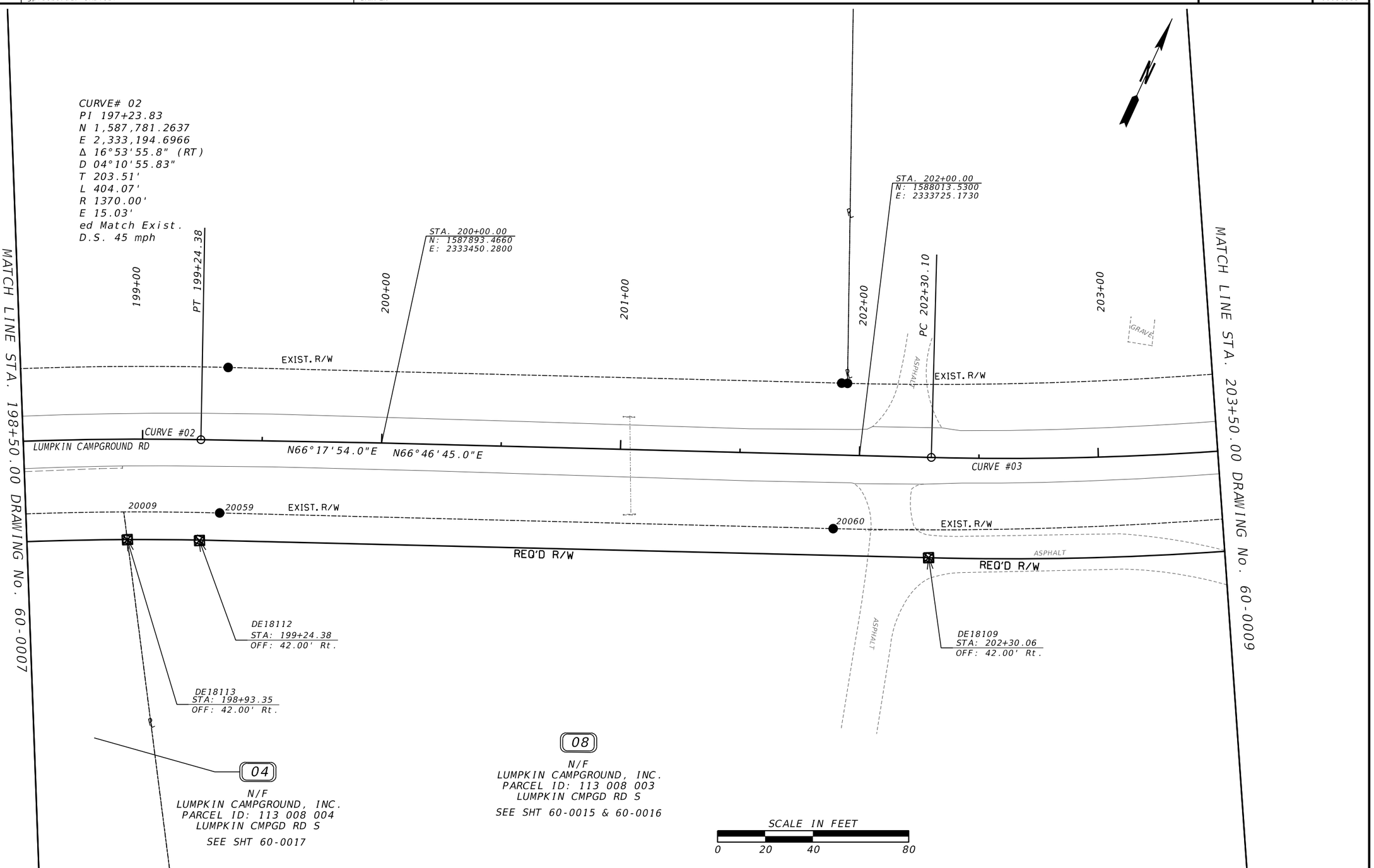
DATE	REVISIONS	DATE	REVISIONS

DAWSON COUNTY
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
SR 53 AT LUMPKIN CAMPGROUND ROAD
COUNTY: DAWSON
LAND LOT NO: 253,254,283,284
LAND DISTRICT: N/A
GMD: 820
DATE: 4/29/2026 SH 7 OF 17

DRAWING No.
60-0007

GRWPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



PROPERTY AND EXISTING R/W LINE	℄
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	C F
PERM. EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES & UTL.	
TEMP. EASEMENT FOR CONSTR OF SLOPES	
PERM. EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
EXISTING LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS	
EXISTING LIMIT OF ACCESS & R/W	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA	

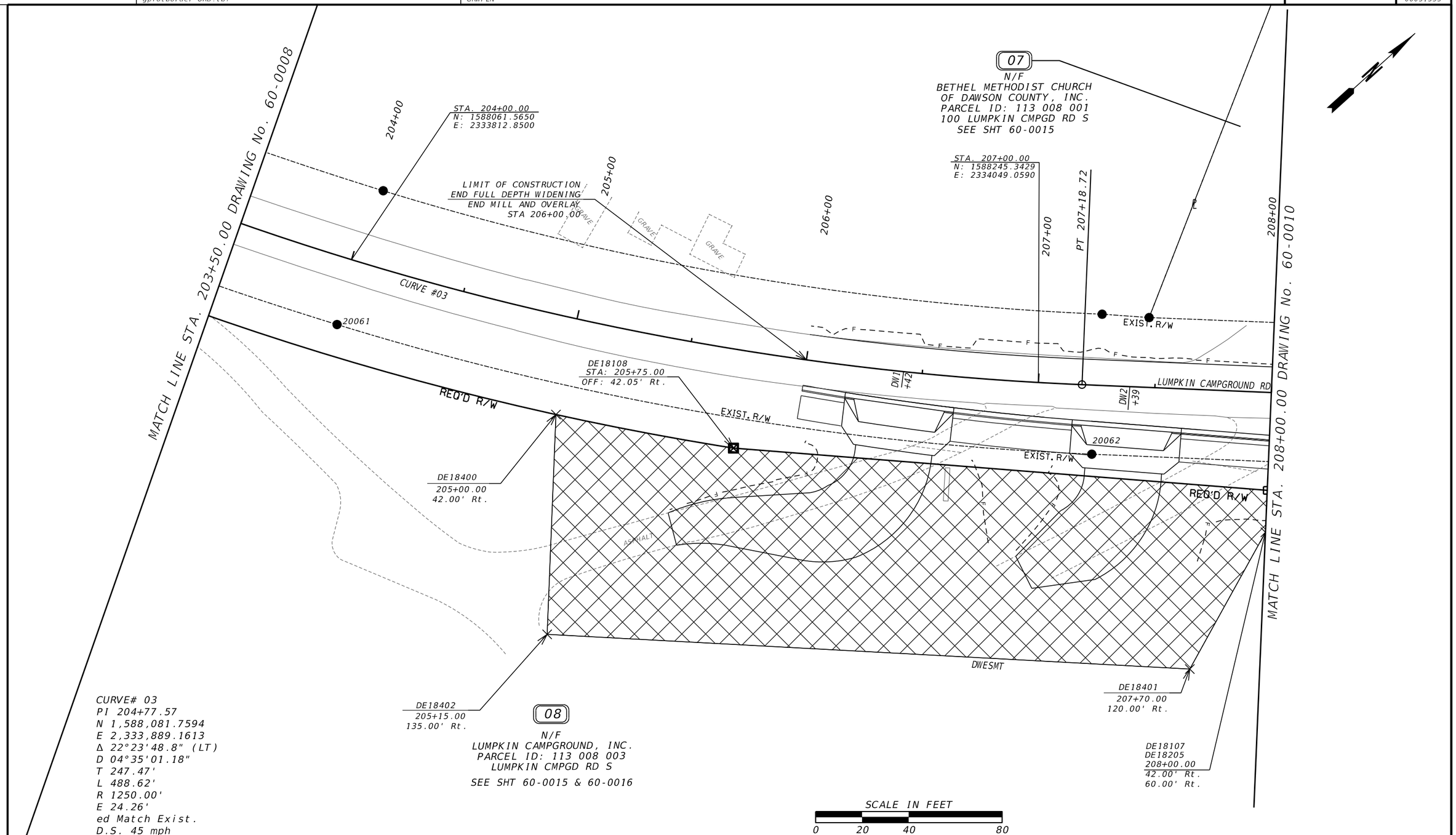
DATE	REVISIONS	DATE	REVISIONS

DAWSON COUNTY
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
SR 53 AT LUMPKIN CAMPGROUND ROAD
COUNTY: DAWSON
LAND LOT NO: 253,254,283,284
LAND DISTRICT: N/A
GMD: 820
DATE: 4/29/2026 SH 8 OF 17

DRAWING No. 60-0008

GRWPLN CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



CURVE# 03
PI 204+77.57
N 1,588,081.7594
E 2,333,889.1613
Δ 22°23'48.8" (LT)
D 04°35'01.18"
T 247.47'
L 488.62'
R 1250.00'
E 24.26'
ed Match Exist.
D.S. 45 mph

PROPERTY AND EXISTING R/W LINE	℄
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	C F
PERM. EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES & UTL.	
TEMP. EASEMENT FOR CONSTR OF SLOPES	
PERM. EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
EXISTING LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS	
EXISTING LIMIT OF ACCESS & R/W	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA	

DATE	REVISIONS	DATE	REVISIONS

DAWSON COUNTY
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
SR 53 AT LUMPKIN CAMPGROUND ROAD
COUNTY: DAWSON
LAND LOT NO: 253,254,283,284
LAND DISTRICT: N/A
GMD: 820
DATE: 4/29/2026 SH 9 OF 17

DRAWING No.
60-0009

GRWPLN CE
11/05/2020

4/29/2026	GPLOT-ORD	00031333_001_60.dgn	DAWSON COUNTY	PROJECT NO.
Adan.Gonzalez	gplotborder-ORD.tbl	GRWPLN		00031333

NOT RELEASED FOR CONSTRUCTION

MATCH LINE STA. 208+00.00 DRAWING No. 60-0009

MATCH LINE STA. 213+00.00 DRAWING No. 60-0004

CURVE# 04
PI 211+32.48
N 1,588,554.3304
E 2,334,351.6511
Δ 02°23'58.8" (LT)
D 00°43'40.90"
T 164.83'
L 329.61'
R 7870.00'
E 1.73'
ed Match Exist.
D.S. 45 mph

07
N/F
BETHEL METHODIST CHURCH
OF DAWSON COUNTY, INC.
PARCEL ID: 113 008 001
100 LUMPKIN CMPGD RD S
SEE SHT 60-0015

LL284

LL253

05
N/F
KENNY M. PELFREY AND
DEBORAH B. PELFREY
PARCEL ID: 113 120
6104 HWY 53 E
SEE SHT 60-0013 & 60-0014

APPROXIMATE LAND LOT LINE

DO NOT DISTURB SIGN
GRADE AROUND BASE
TO DRAIN

DE15304
DE15303
DE15306
213+00.00
59.00' Lt.
40.00' Lt.
28.27' Lt.

DE15302
DE15301
212+63.00
56.00' Lt.
74.00' Lt.

DE15402
DE15401
212+15.00
30.75' Lt.
70.00' Lt.

DE17101
211+65.00
78.65' Lt.

DE15300
212+45.00
82.00' Lt.

STA. 210+00.00
N: 1588459.6970
E: 2334258.9440

DE17100
211+65.00
31.01' Lt.

208+00
209+00
PC 209+67.65
210+00
211+00
212+00
213+00

STA. 209+00.00
N: 1588388.1820
E: 2334189.0470

EXIST. R/W

DWESMT
TESMT

DO NOT DISTURB
TREE

20038

A-4.5
A-4.4
A-4.3.1
A-4.3

18'

N44°22'56.3"E

CURVE #04

LUMPKIN CAMPGROUND,RD

PT 212+97.26

DM3 +87

DM4 +42

DE11112
212+94.22
52.50' Rt.

A-8
A-7
A-6

20063
20064
20065
20066
20130

EXIST. R/W

REQ'D R/W

TESMT

DWESMT

DE18102
211+50.00
52.50' Rt.

DE18200
212+00.00
52.50' Rt.

DE19101
212+34.52
52.50' Rt.

DE11010
212+74.22
52.50' Rt.

DE11040
DE11020
DE11041
212+85.00
52.50' Rt.
70.00' Rt.
85.00' Rt.

DE18201
212+00.67
85.00' Rt.

DE18107
DE18205
208+00.00
42.00' Rt.
60.00' Rt.

08
N/F
LUMPKIN CAMPGROUND, INC.
PARCEL ID: 113 008 003
LUMPKIN CMPGD RD S
SEE SHT 60-0015 & 60-0016

DE18104
DE18203
209+67.65
42.00' Rt.
60.00' Rt.

DE18103
DE18202
211+00.00
42.00' Rt.
60.00' Rt.

09
N/F
LUMPKIN CAMPGROUND, INC.
PARCEL ID: 113 008 003(PORTION)
LUMPKIN CMPGD RD
SEE SHT 60-0016

LL284

DE19100
212+36.50
85.00' Rt.

10
N/F
SCA INVESTMENTS GROUP,LLC
PARCEL ID: 113 038
33 LUMPKIN CMPGD RD S
SEE SHT 60-0017

LL283

APPROXIMATE LAND LOT LINE

SCALE IN FEET
0 20 40 80

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

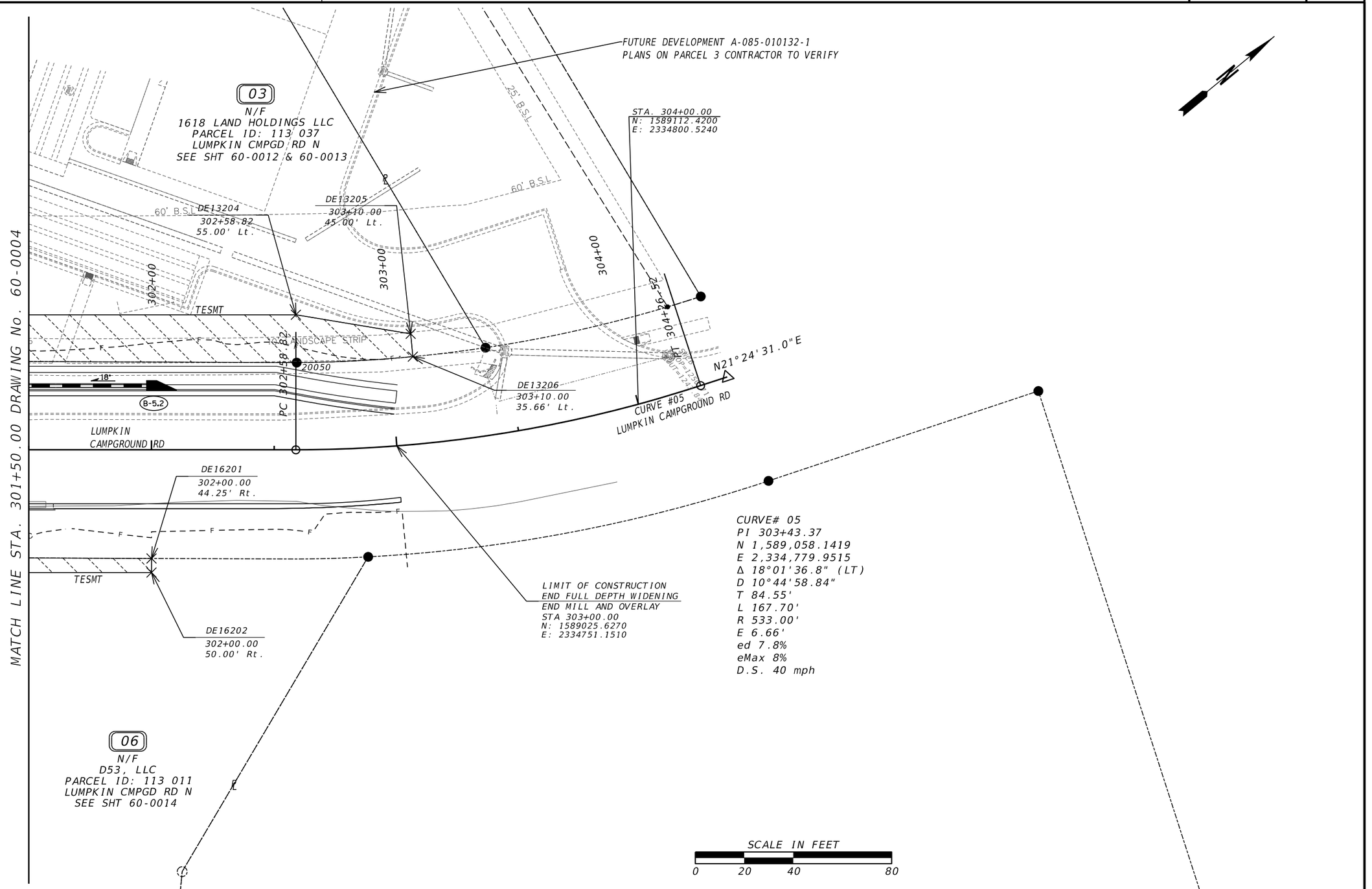
DATE	REVISIONS	DATE	REVISIONS

DAWSON COUNTY
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
SR 53 AT LUMPKIN CAMPGROUND ROAD
COUNTY: DAWSON
LAND LOT NO: 253,254,283,284
LAND DISTRICT: N/A
GMD: 820
DATE: 4/29/2026 SH 10 OF 17

DRAWING No.
60-0010

GRWPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION



PROPERTY AND EXISTING R/W LINE	℄
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	C F
PERM. EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES & UTL.	
TEMP. EASEMENT FOR CONSTR OF SLOPES	
PERM. EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
EXISTING LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS	
EXISTING LIMIT OF ACCESS & R/W	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA	

DATE	REVISIONS	DATE	REVISIONS

DAWSON COUNTY
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
SR 53 AT LUMPKIN CAMPGROUND ROAD
COUNTY: DAWSON
LAND LOT NO: 253,254,283,284
LAND DISTRICT: N/A
GMD: 820
DATE: 4/29/2026 SH 11 OF 17

DRAWING No.
60-0011

GRWPLN CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

01

N/F
NAINSREENI, LLC
PARCEL ID: 113 010 003
6002 HWY 53 E

SEE SHT 60-0003

```
**********************************************************************************************************
PARCEL 1 - DWESMT
DE10
REQ'D DRWY. EASM'T.
**********************************************************************************************************
  PNT       OFFSET/       STATION/            NORTHING/EASTING COORDINATES            ALIGNMENT
              DIST         BEARING
----------------------------------------------------------------------------------------------------------
 DE11400     19.33  R     101+50.00           N  1589172.5940   E  2334262.3294        SR 53
ARC LENGTH = 46.28
CHORD BEAR = S24°45'47.30"E
LNTH CHORD = 46.28
    RADIUS = 1343.96
    DEGREE = 04°15'47.55"
   20102     19.75  R     101+95.36           N  1589130.5710   E  2334281.7140        SR 53
             15.93       N89°52'10.26"W
 DE12203     34.00  R     101+88.43           N  1589130.6073   E  2334265.7834        SR 53
             39.79       N25°04'43.71"W
 DE11401     34.00  R     101+50.00           N  1589166.6426   E  2334248.9195        SR 53
             14.67       N66°04'04.58"E
 DE11400     19.33  R     101+50.00           N  1589172.5940   E  2334262.3294        SR 53
REQD EASMT  =  620.02   SF
REQD EASMT  =  0.014    ACRES
```

02

N/F
CHRIST FELLOWSHIP CHURCH
OF DAWSON COUNTY, INC.
PARCEL ID: 113 010 002
HWY 53

SEE SHT 60-0003

```
**********************************************************************************************************
PARCEL 2 - REQD RW
DE20
REQ'D R/W
**********************************************************************************************************
  PNT       OFFSET/       STATION/            NORTHING/EASTING COORDINATES            ALIGNMENT
              DIST         BEARING
----------------------------------------------------------------------------------------------------------
   20102     19.75  R     101+95.36           N  1589130.5710   E  2334281.7140        SR 53
ARC LENGTH = 223.95
CHORD BEAR = S30°37'42.71"E
LNTH CHORD = 223.74
    RADIUS = 1489.58
    DEGREE = 03°50'47.19"
   20010     29.68  R     104+13.74           N  1588938.0450   E  2334395.7030        SR 53
              5.61       N89°51'56.75"W
 DE12100     34.00  R     104+10.27           N  1588938.0581   E  2334390.0902        SR 53
ARC LENGTH = 165.95
CHORD BEAR = N34°40'59.09"W
LNTH CHORD = 165.75
    RADIUS = 994.00
    DEGREE = 05°45'50.99"
 DE12101     34.00  R     102+50.00           N  1589074.3594   E  2334295.7703        SR 53
             57.94       N14°02'22.22"W
   20102     19.75  R     101+95.36           N  1589130.5710   E  2334281.7140        SR 53
  REQD R/W  =  1987.47   SF
  REQD R/W  =  0.046    ACRES
REMAINDER   =  +/- 2  ACRES
```

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**********************************************************************************************************
PARCEL 2 - PESMT
DE21
EASM'T. FOR CONST. AND MAINT. OF SLOPES & UTILITIES
**********************************************************************************************************
  PNT       OFFSET/       STATION/            NORTHING/EASTING COORDINATES            ALIGNMENT
              DIST         BEARING
----------------------------------------------------------------------------------------------------------
   20102     19.75  R     101+95.36           N  1589130.5710   E  2334281.7140        SR 53
             57.94       S14°02'22.22"E
 DE12101     34.00  R     102+50.00           N  1589074.3594   E  2334295.7703        SR 53
ARC LENGTH = 165.95
CHORD BEAR = S34°40'59.09"E
LNTH CHORD = 165.75
    RADIUS = 994.00
    DEGREE = 05°45'50.99"
 DE12100     34.00  R     104+10.27           N  1588938.0581   E  2334390.0902        SR 53
             52.51       N89°52'08.01"W
 DE12200     75.00  R     103+79.22           N  1588938.1783   E  2334337.5838        SR 53
             44.58       N16°46'58.07"W
 DE12201     60.00  R     103+40.00           N  1588980.8561   E  2334324.7126        SR 53
ARC LENGTH = 95.63
CHORD BEAR = N32°35'10.00"W
LNTH CHORD = 95.59
    RADIUS = 1020.00
    DEGREE = 05°37'02.04"
 DE12202     60.00  R     102+50.00           N  1589061.3986   E  2334273.2311        SR 53
             69.61       N06°08'31.29"W
 DE12203     34.00  R     101+88.43           N  1589130.6073   E  2334265.7834        SR 53
             15.93       S89°52'10.26"E
   20102     19.75  R     101+95.36           N  1589130.5710   E  2334281.7140        SR 53
REQD EASMT  =  5762.66   SF
REQD EASMT  =  0.132    ACRES
```

03

N/F
1618 LAND HOLDINGS LLC
PARCEL ID: 113 037
LUMPKIN CMPGD RD N

SEE SHT 60-0003, 60-0004, & 60-0011

```
**********************************************************************************************************
PARCEL 3 - REQD RW
DE30
REQ'D R/W
**********************************************************************************************************
  PNT       OFFSET/       STATION/            NORTHING/EASTING COORDINATES            ALIGNMENT
              DIST         BEARING
----------------------------------------------------------------------------------------------------------
   20077     51.11  L     102+79.36           N  1589092.9070   E  2334383.7700        SR 53
             90.48       S35°04'16.34"E
 DE13100     52.00  L     103+75.00           N  1589018.8587   E  2334435.7564        SR 53
             63.34       S26°32'01.74"E
 DE13101     38.00  L     104+39.83           N  1588962.1878   E  2334464.0533        SR 53
             78.90       S41°13'47.77"E
 DE13102     38.00  L     105+18.73           N  1588902.8474   E  2334516.0567        SR 53
             14.14       S48°43'49.98"W
   20072     23.86  L     105+18.74           N  1588893.5190   E  2334505.4270        SR 53
ARC LENGTH = 56.73
CHORD BEAR = N38°20'19.72"W
LNTH CHORD = 56.73
    RADIUS = 1460.55
    DEGREE = 03°55'22.40"
   20073     26.72  L     104+62.09           N  1588938.0140   E  2334470.2380        SR 53
             42.90       N35°46'26.42"W
   20074     30.57  L     104+18.71           N  1588972.8160   E  2334445.1620        SR 53
             12.40       N32°37'01.99"W
   20075     32.08  L     104+05.99           N  1588983.2590   E  2334438.4790        SR 53
             43.43       N23°31'49.78"W
   20076     42.86  L     103+62.21           N  1589023.0780   E  2334421.1400        SR 53
             79.20       N28°09'14.79"W
   20077     51.11  L     102+79.36           N  1589092.9070   E  2334383.7700        SR 53
  REQD R/W  =  2227.13   SF
  REQD R/W  =  0.051    ACRES
REMAINDER   =  +/- 1.221 ACRES
```

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DATE	REVISIONS	DATE	REVISIONS

DAWSON COUNTY
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
SR 53 AT LUMPKIN CAMPGROUND ROAD
COUNTY: DAWSON
LAND LOT NO: 253,254,283,284
LAND DISTRICT: N/A
GMD: 820
DATE: 4/29/2026 SH 12 OF 17

DRAWING No.
60-0012

GRWPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

03

N/F
1618 LAND HOLDINGS LLC
PARCEL ID: 113 037
LUMPKIN CMPGD RD N
SEE SHT 60-0003 & 60-0004

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**********************************************************************************************
PARCEL 3 - TESMT
DE31
TEMPORARY EASM'T. FOR CONSTRUCTION TRACT 1
**********************************************************************************************
  PNT       OFFSET/        STATION/            NORTHING/EASTING COORDINATES       ALIGNMENT
              DIST         BEARING
----------------------------------------------------------------------------------------------
   20077     51.11  L     102+79.36          N  1589092.9070   E  2334383.7700        SR 53
              6.43        N58°55'50.8"E
   20078     57.54  L     102+79.43          N  1589096.2250   E  2334389.2770        SR 53
              7.48        N62°26'59.2"E
  DE13200    65.00  L     102+80.00          N  1589099.6862   E  2334395.9117        SR 53
             88.53        S34°31'32.6"E
  DE13201    65.00  L     103+75.00          N  1589026.7475   E  2334446.0892        SR 53
             62.75        S25°28'24.7"E
  DE13202    50.00  L     104+39.83          N  1588970.0968   E  2334473.0781        SR 53
             78.91        S39°59'11.4"E
   20114     48.29  L     105+18.72          N  1588909.6330   E  2334523.7890        SR 53
             10.29        S48°43'51.1"W
  DE13102    38.00  L     105+18.73          N  1588902.8474   E  2334516.0567        SR 53
             78.90        N41°13'47.8"W
  DE13101    38.00  L     104+39.83          N  1588962.1878   E  2334464.0533        SR 53
             63.34        N26°32'01.7"W
  DE13100    52.00  L     103+75.00          N  1589018.8587   E  2334435.7564        SR 53
             90.48        N35°04'16.3"W
   20077     51.11  L     102+79.36          N  1589092.9070   E  2334383.7700        SR 53
REQD EASMT  =  2847.97   SF
REQD EASMT  =  0.065    ACRES

**********************************************************************************************
PARCEL 3 - TESMT
DE32
TEMPORARY EASM'T. FOR CONSTRUCTION TRACT 2
**********************************************************************************************
  PNT       OFFSET/        STATION/            NORTHING/EASTING COORDINATES       ALIGNMENT
              DIST         BEARING
----------------------------------------------------------------------------------------------
  DE13203    55.00  L     300+71.73          N  1588883.2838   E  2334564.9278        LUMPKIN CAMPGROUND ROAD NORTH
             187.09        N39°26'07.8"E
  DE13204    55.00  L     302+58.82          N  1589027.7793   E  2334683.7677        LUMPKIN CAMPGROUND ROAD NORTH
              47.43        N48°50'34.5"E
  DE13205    45.00  L     303+10.00          N  1589058.9912   E  2334719.4748        LUMPKIN CAMPGROUND ROAD NORTH
               9.34        S56°03'58.6"E
  DE13206    35.66  L     303+10.00          N  1589053.7788   E  2334727.2218        LUMPKIN CAMPGROUND ROAD NORTH
ARC LENGTH = 47.43
CHORD BEAR = S36°29'47.3"W
LNTH CHORD = 47.42
    RADIUS = 541.59
    DEGREE = 10°34'45.3"
   20050     35.52  L     302+59.17          N  1589015.6600   E  2334699.0190        LUMPKIN CAMPGROUND ROAD NORTH
             170.19        S39°39'39.4"W
   20051     36.19  L     300+88.95          N  1588884.6390   E  2334590.3940        LUMPKIN CAMPGROUND ROAD NORTH
              25.50        S86°57'13.9"W
  DE13203    55.00  L     300+71.73          N  1588883.2838   E  2334564.9278        LUMPKIN CAMPGROUND ROAD NORTH
REQD EASMT  =  4108.65   SF
REQD EASMT  =  0.094    ACRES
```

05

N/F
KENNY M. PELFREY AND
DEBORAH B. PELFREY
PARCEL ID: 113 120
6104 HWY 53 E
SEE SHT 60-0003, 60-0004. & 60-0010

```
**********************************************************************************************
PARCEL 5 - REQD RW
DE50
REQ'D R/W TRACT 1
**********************************************************************************************
  PNT       OFFSET/        STATION/            NORTHING/EASTING COORDINATES       ALIGNMENT
              DIST         BEARING
----------------------------------------------------------------------------------------------
   20010     29.68  R     104+13.74          N  1588938.0450   E  2334395.7030        SR 53
ARC LENGTH = 58.33
CHORD BEAR = S36°37'27.83"E
LNTH CHORD = 58.33
    RADIUS = 1519.96
    DEGREE = 03°46'10.45"
  DE15100    34.00  R     104+71.08          N  1588891.2310   E  2334430.5011        SR 53
             61.85        N40°47'36.63"W
  DE12100    34.00  R     104+10.27          N  1588938.0581   E  2334390.0902        SR 53
              5.61        S89°51'56.75"E
   20010     29.68  R     104+13.74          N  1588938.0450   E  2334395.7030        SR 53
 REQD R/W  =  120.27   SF
 REQD R/W  =  0.003    ACRES


**********************************************************************************************
PARCEL 5 - REQD RW
DE51
REQ'D R/W TRACT 2
**********************************************************************************************
  PNT       OFFSET/        STATION/            NORTHING/EASTING COORDINATES       ALIGNMENT
              DIST         BEARING
----------------------------------------------------------------------------------------------
  DE15101    36.78  R     105+50.03          N  1588830.0243   E  2334480.4431        SR 53
ARC LENGTH = 43.95
CHORD BEAR = S41°31'50.43"E
LNTH CHORD = 43.95
    RADIUS = 1519.20
    DEGREE = 03°46'17.19"
   20035     36.55  R     105+93.98          N  1588797.1220   E  2334509.5840        SR 53
             27.80        S00°16'34.01"E
   20036     54.77  R     106+14.98          N  1588769.3190   E  2334509.7180        SR 53
             29.02        N10°37'33.35"W
  DE15102    40.00  R     105+90.00          N  1588797.8399   E  2334504.3671        SR 53
             40.00        N41°13'47.77"W
  DE15103    40.00  R     105+50.00          N  1588827.9227   E  2334478.0038        SR 53
              3.22        N49°15'12.56"E
  DE15101    36.78  R     105+50.03          N  1588830.0243   E  2334480.4431        SR 53
 REQD R/W  =  207.58   SF
 REQD R/W  =  0.005    ACRES
REMAINDER  =  +/- 3   ACRES
```

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DATE	REVISIONS	DATE	REVISIONS

DAWSON COUNTY
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
SR 53 AT LUMPKIN CAMPGROUND ROAD
COUNTY: DAWSON
LAND LOT NO: 253,254,283,284
LAND DISTRICT: N/A
GMD: 820
DATE: 4/29/2026 SH 13 OF 17

DRAWING No.
60-0013

GRWPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

05

N/F
KENNY M. PELFREY AND
DEBORAH B. PELFREY
PARCEL ID: 113 120
6104 HWY 53 E
SEE SHT 60-0003, 60-0004. & 60-0010

****
PARCEL 5 - DWESMT
DE52
REQ'D DRWY. EASM'T. TRACT 1
****

PNT	OFFSET/ DIST		STATION/ BEARING	NORTHING/EASTING COORDINATES			ALIGNMENT
20038	30.86	L	212+10.27	N 1588633.4120	E	2334380.6480	LUMPKIN CAMPGROUND ROAD SOUTH
	65.61		S89°31'58.1"W				
DE17101	78.65	L	211+65.00	N 1588632.8770	E	2334315.0424	LUMPKIN CAMPGROUND ROAD SOUTH
	50.28		N52°40'25.2"E				
DE15401	70.00	L	212+15.00	N 1588663.3632	E	2334355.0232	LUMPKIN CAMPGROUND ROAD SOUTH
	39.25		S47°25'06.6"E				
DE15402	30.75	L	212+15.00	N 1588636.8072	E	2334383.9214	LUMPKIN CAMPGROUND ROAD SOUTH
	4.72		S43°57'14.3"W				
20038	30.86	L	212+10.27	N 1588633.4120	E	2334380.6480	LUMPKIN CAMPGROUND ROAD SOUTH

REQD EASMT = 1081.86 SF
REQD EASMT = 0.025 ACRES

****
PARCEL 5 - DWESMT
DE53
REQ'D DRWY. EASM'T. TRACT 2
****

PNT	OFFSET/ DIST		STATION/ BEARING	NORTHING/EASTING COORDINATES			ALIGNMENT
DE15306	28.26	L	213+00.00	N 1588697.8010	E	2334442.7301	LUMPKIN CAMPGROUND ROAD SOUTH
	30.74		N48°01'02.5"W				
DE15304	59.00	L	213+00.00	N 1588718.3599	E	2334419.8832	LUMPKIN CAMPGROUND ROAD SOUTH
	55.00		N41°58'57.5"E				
DE15305	59.00	L	213+55.00	N 1588759.2440	E	2334456.6730	LUMPKIN CAMPGROUND ROAD SOUTH
	27.00		S48°01'02.5"E				
DE15206	32.00	L	213+55.00	N 1588741.1835	E	2334476.7434	LUMPKIN CAMPGROUND ROAD SOUTH
	5.34		S48°00'37.7"E				
DE15200	26.66	L	213+55.00	N 1588737.6132	E	2334480.7101	LUMPKIN CAMPGROUND ROAD SOUTH
	11.17		S42°27'19.8"W				
20037	26.76	L	213+43.83	N 1588729.3740	E	2334473.1720	LUMPKIN CAMPGROUND ROAD SOUTH
	43.86		S43°57'18.4"W				
DE15306	28.26	L	213+00.00	N 1588697.8010	E	2334442.7301	LUMPKIN CAMPGROUND ROAD SOUTH

REQD EASMT = 1740.88 SF
REQD EASMT = 0.040 ACRES

****
PARCEL 5 - TESMT
DE54
EASM'T. FOR CONST. OF CONSTRUCTION TRACT 1
****

PNT	OFFSET/ DIST		STATION/ BEARING	NORTHING/EASTING COORDINATES			ALIGNMENT
DE15401	70.00	L	212+15.00	N 1588663.3632	E	2334355.0232	LUMPKIN CAMPGROUND ROAD SOUTH
	32.04		N20°28'42.6"E				
DE15300	82.00	L	212+45.00	N 1588693.3804	E	2334366.2333	LUMPKIN CAMPGROUND ROAD SOUTH
	19.53		N66°28'21.2"E				
DE15301	74.00	L	212+63.00	N 1588701.1785	E	2334384.1442	LUMPKIN CAMPGROUND ROAD SOUTH
	18.00		S47°46'04.6"E				
DE15302	56.00	L	212+63.00	N 1588689.0801	E	2334397.4719	LUMPKIN CAMPGROUND ROAD SOUTH
	40.12		N65°36'11.3"E				
DE15303	40.00	L	213+00.00	N 1588705.6507	E	2334434.0069	LUMPKIN CAMPGROUND ROAD SOUTH
	11.74		S48°01'02.5"E				
DE15306	28.26	L	213+00.00	N 1588697.8010	E	2334442.7301	LUMPKIN CAMPGROUND ROAD SOUTH
	84.73		S43°57'18.2"W				
DE15402	30.75	L	212+15.00	N 1588636.8072	E	2334383.9214	LUMPKIN CAMPGROUND ROAD SOUTH
	39.25		N47°25'06.6"W				
DE15401	70.00	L	212+15.00	N 1588663.3632	E	2334355.0232	LUMPKIN CAMPGROUND ROAD SOUTH

REQD EASMT = 2927.96 SF
REQD EASMT = 0.067 ACRES

****
PARCEL 5 - TESMT
DE55
EASM'T. FOR CONST. OF CONSTRUCTION
****

PNT	OFFSET/ DIST		STATION/ BEARING	NORTHING/EASTING COORDINATES			ALIGNMENT
DE12100	34.00	R	104+10.27	N 1588938.0581	E	2334390.0902	SR 53
	61.85		S40°47'36.6"E				
DE15100	34.00	R	104+71.08	N 1588891.2310	E	2334430.5011	SR 53

ARC LENGTH = 58.47
CHORD BEAR = S38°49'34.5"E
LNTH CHORD = 58.47
RADIUS = 1518.94
DEGREE = 03°46'19.5"

20103	36.45	R	105+29.49	N 1588845.6830	E	2334467.1570	SR 53

ARC LENGTH = 20.54
CHORD BEAR = S40°18'50.1"E
LNTH CHORD = 20.54
RADIUS = 1513.50
DEGREE = 03°47'08.4"

DE15101	36.78	R	105+50.03	N 1588830.0243	E	2334480.4431	SR 53
	3.22		S49°15'12.6"W				
DE15103	40.00	R	105+50.00	N 1588827.9227	E	2334478.0038	SR 53
	40.00		S41°13'47.8"E				
DE15102	40.00	R	105+90.00	N 1588797.8399	E	2334504.3671	SR 53
	29.02		S10°37'33.4"E				
20036	54.77	R	106+14.98	N 1588769.3190	E	2334509.7180	SR 53
	42.97		S42°27'20.5"W				
DE15200	26.66	L	213+55.00	N 1588737.6132	E	2334480.7101	LUMPKIN CAMPGROUND ROAD SOUTH
	5.34		N48°00'37.7"W				
DE15206	32.00	L	213+55.00	N 1588741.1835	E	2334476.7434	LUMPKIN CAMPGROUND ROAD SOUTH
	40.36		N42°30'22.1"E				
DE15202	58.00	R	106+10.00	N 1588770.9350	E	2334504.0115	SR 53
	23.85		N08°12'21.8"W				
DE15203	45.00	R	105+90.00	N 1588794.5445	E	2334500.6067	SR 53
	70.00		N41°13'47.8"W				
DE15204	45.00	R	105+20.00	N 1588847.1894	E	2334454.4710	SR 53
	83.82		N58°35'02.3"W				
DE15205	70.00	R	104+40.00	N 1588890.8780	E	2334382.9426	SR 53
	65.53		N43°47'58.6"W				
DE12200	75.00	R	103+79.22	N 1588938.1783	E	2334337.5838	SR 53
	52.51		S89°52'08.0"E				
DE12100	34.00	R	104+10.27	N 1588938.0581	E	2334390.0902	SR 53

REQD EASMT = 4422.26 SF
REQD EASMT = 0.102 ACRES

06

N/F
D53, LLC
PARCEL ID: 113 011
LUMPKIN CMPGD RD N
SEE SHT 60-0004. & 60-0011

****
PARCEL 6 - TESMT
DE60
TEMPORARY EASM'T. FOR CONSTRUCTION
****

PNT	OFFSET/ DIST		STATION/ BEARING	NORTHING/EASTING COORDINATES			ALIGNMENT
20054	53.44	L	106+90.72	N 1588783.6780	E	2334641.0210	SR 53
	35.46		N01°39'34.74"W				
20055	43.73	R	300+69.86	N 1588819.1230	E	2334639.9940	LUMPKIN CAMPGROUND ROAD NORTH
	130.14		N39°39'40.84"E				
DE16201	44.25	R	302+00.00	N 1588919.3094	E	2334723.0562	LUMPKIN CAMPGROUND ROAD NORTH
	5.75		S50°33'52.23"E				
DE16202	50.00	R	302+00.00	N 1588915.6539	E	2334727.5009	LUMPKIN CAMPGROUND ROAD NORTH
	120.00		S39°26'07.78"W				
DE16203	50.00	R	300+80.00	N 1588822.9731	E	2334651.2758	LUMPKIN CAMPGROUND ROAD NORTH
	46.45		S05°05'37.56"W				
DE16200	53.46	L	107+00.00	N 1588776.7074	E	2334647.1518	SR 53
	9.28		N41°19'57.26"W				
20054	53.44	L	106+90.72	N 1588783.6780	E	2334641.0210	SR 53

REQD EASMT = 1108.65 SF
REQD EASMT = 0.025 ACRES

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DATE	REVISIONS	DATE	REVISIONS

DAWSON COUNTY
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
SR 53 AT LUMPKIN CAMPGROUND ROAD
COUNTY: DAWSON
LAND LOT NO: 253,254,283,284
LAND DISTRICT: N/A
GMD: 820
DATE: 4/29/2026 SH 14 OF 17

DRAWING No.
60-0014

GRWPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

07

N/F
BETHEL METHODIST CHURCH
OF DAWSON COUNTY, INC.
PARCEL ID: 113 008 001
100 LUMPKIN CMPGD RD S
SEE SHT 60-0009 & 60-0010

****
PARCEL 7 - DWESMT
DE70
REQ'D DRWY. EASM'T.
****

PNT	OFFSET/ DIST		STATION/ BEARING	NORTHING/EASTING COORDINATES			ALIGNMENT
DE17100	31.01	L	211+65.00	N 1588600.4195	E	2334349.9153	LUMPKIN CAMPGROUND ROAD SOUTH
	47.64		N47°03'16.2"W				
DE17101	78.65	L	211+65.00	N 1588632.8770	E	2334315.0424	LUMPKIN CAMPGROUND ROAD SOUTH
	65.61		N89°31'58.1"E				
20038	30.86	L	212+10.27	N 1588633.4120	E	2334380.6480	LUMPKIN CAMPGROUND ROAD SOUTH
	45.09		S42°58'08.3"W				
DE17100	31.01	L	211+65.00	N 1588600.4195	E	2334349.9153	LUMPKIN CAMPGROUND ROAD SOUTH

REQD EASMT = 1074.03 SF
REQD EASMT = 0.025 ACRES

08

N/F
LUMPKIN CAMPGROUND, INC.
PARCEL ID: 113 008 003
LUMPKIN CMPGD RD S

SEE SHT 60-0007, 60-0008, 60-0009 & 60-0010

****
PARCEL 8 - REQD RW
DE80
REQ'D R/W TRACT 1
****

PNT	OFFSET/ DIST		STATION/ BEARING	NORTHING/EASTING COORDINATES			ALIGNMENT
20070	29.18	R	196+31.68	N 1587694.1530	E	2333144.7120	LUMPKIN CAMPGROUND ROAD SOUTH
	30.00		N56°54'36.3"E				
20071	30.34	R	196+62.32	N 1587710.5320	E	2333169.8470	LUMPKIN CAMPGROUND ROAD SOUTH
	12.00		S21°04'31.5"E				
DE18114	42.00	R	196+59.42	N 1587699.3379	E	2333174.1609	LUMPKIN CAMPGROUND ROAD SOUTH

ARC LENGTH = 36.04
CHORD BEAR = S54°26'22.0"W
LNTH CHORD = 36.04
RADIUS = 1328.00
DEGREE = 04°18'52.0"

DE18115	42.00	R	196+22.24	N 1587678.3791	E	2333144.8434	LUMPKIN CAMPGROUND ROAD SOUTH
	15.77		N00°28'37.9"W				
20070	29.18	R	196+31.68	N 1587694.1530	E	2333144.7120	LUMPKIN CAMPGROUND ROAD SOUTH

REQD R/W = 405.68 SF
REQD R/W = 0.009 ACRES

****
PARCEL 8 - REQD RW
DE81
REQ'D R/W TRACT 2
****

PNT	OFFSET/ DIST		STATION/ BEARING	NORTHING/EASTING COORDINATES			ALIGNMENT
20009	30.44	R	198+91.92	N 1587822.0935	E	2333364.3667	LUMPKIN CAMPGROUND ROAD SOUTH

ARC LENGTH = 40.12
CHORD BEAR = N65°52'38.0"E
LNTH CHORD = 40.11
RADIUS = 1337.54
DEGREE = 04°17'01.2"

20059	30.52	R	199+32.76	N 1587838.4880	E	2333400.9780	LUMPKIN CAMPGROUND ROAD SOUTH
	256.81		N66°44'07.9"E				
20060	30.89	R	201+89.82	N 1587939.9200	E	2333636.9030	LUMPKIN CAMPGROUND ROAD SOUTH

ARC LENGTH = 216.31
CHORD BEAR = N62°55'08.1"E
LNTH CHORD = 216.15
RADIUS = 1623.08
DEGREE = 03°31'48.2"

20061	28.43	R	204+02.12	N 1588038.3210	E	2333829.3520	LUMPKIN CAMPGROUND ROAD SOUTH

ARC LENGTH = 329.39
CHORD BEAR = N51°43'48.3"E
LNTH CHORD = 328.48
RADIUS = 1280.13
DEGREE = 04°28'32.9"

20062	29.65	R	207+24.15	N 1588241.7690	E	2334087.2400	LUMPKIN CAMPGROUND ROAD SOUTH
	237.93		N44°21'28.3"E				
20063	29.55	R	209+62.08	N 1588411.8840	E	2334253.5840	LUMPKIN CAMPGROUND ROAD SOUTH

ARC LENGTH = 173.37
CHORD BEAR = N43°39'48.1"E
LNTH CHORD = 173.36
RADIUS = 7150.42
DEGREE = 00°48'04.7"

20064	29.15	R	211+34.82	N 1588537.2950	E	2334373.2760	LUMPKIN CAMPGROUND ROAD SOUTH
	123.44		N43°17'44.6"E				
20065	30.40	R	212+57.79	N 1588627.1390	E	2334457.9280	LUMPKIN CAMPGROUND ROAD SOUTH
	32.18		S01°01'14.5"E				
DE19101	52.50	R	212+34.52	N 1588594.9618	E	2334458.5013	LUMPKIN CAMPGROUND ROAD SOUTH

ARC LENGTH = 85.09
CHORD BEAR = S42°44'49.4"W
LNTH CHORD = 85.09
RADIUS = 7922.50
DEGREE = 00°43'23.5"

DE18102	52.50	R	211+50.00	N 1588532.4787	E	2334400.7485	LUMPKIN CAMPGROUND ROAD SOUTH
	51.38		S55°01'39.6"W				
DE18103	42.00	R	211+00.00	N 1588503.0261	E	2334358.6427	LUMPKIN CAMPGROUND ROAD SOUTH

ARC LENGTH = 133.06
CHORD BEAR = S43°54'01.8"W
LNTH CHORD = 133.06
RADIUS = 7912.00
DEGREE = 00°43'27.0"

DE18104	42.00	R	209+67.65	N 1588407.1520	E	2334266.3793	LUMPKIN CAMPGROUND ROAD SOUTH
	167.65		S44°22'56.3"W				
DE18107	42.00	R	208+00.00	N 1588287.3366	E	2334149.1199	LUMPKIN CAMPGROUND ROAD SOUTH
	229.66		S46°30'39.6"W				
DE18108	42.00	R	205+75.00	N 1588129.2808	E	2333982.4998	LUMPKIN CAMPGROUND ROAD SOUTH

ARC LENGTH = 356.49
CHORD BEAR = S58°52'28.5"W
LNTH CHORD = 355.36
RADIUS = 1292.00
DEGREE = 04°26'04.8"

DE18109	42.00	R	202+30.10	N 1587945.5897	E	2333678.2967	LUMPKIN CAMPGROUND ROAD SOUTH
	305.36		S66°39'37.4"W				
DE18112	42.00	R	199+24.38	N 1587824.6127	E	2333397.9250	LUMPKIN CAMPGROUND ROAD SOUTH

ARC LENGTH = 30.06
CHORD BEAR = S65°38'59.8"W
LNTH CHORD = 30.06
RADIUS = 1328.00
DEGREE = 04°18'52.0"

DE18113	42.00	R	198+93.38	N 1587812.2202	E	2333370.5424	LUMPKIN CAMPGROUND ROAD SOUTH
	11.65		N32°01'32.5"W				
20009	30.44	R	198+91.92	N 1587822.0935	E	2333364.3667	LUMPKIN CAMPGROUND ROAD SOUTH

REQD R/W = 17678.72 SF
REQD R/W = 0.406 ACRES
REMAINDER = +/- 22 ACRES

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DATE	REVISIONS	DATE	REVISIONS

DAWSON COUNTY
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
SR 53 AT LUMPKIN CAMPGROUND ROAD
COUNTY: DAWSON
LAND LOT NO: 253,254,283,284
LAND DISTRICT: N/A
GMD: 820
DATE: 4/29/2026 SH 15 OF 17

DRAWING No. 60-0015

GRWPLN:CE 11/05/2020

NOT RELEASED FOR CONSTRUCTION

08

N/F
LUMPKIN CAMPGROUND, INC.
PARCEL ID: 113 008 003
LUMPKIN CMPGD RD S

SEE SHT 60-0007, 60-0008, 60-0009 & 60-0010

****
PARCEL 8 - TESMT
DE82
EASM'T. FOR CONST. OF CONSTRUCTION
****

PNT	OFFSET/ DIST		STATION/ BEARING		NORTHING/EASTING COORDINATES			ALIGNMENT
DE18107	42.00	R	208+00.00	N	1588287.3366	E	2334149.1199	LUMPKIN CAMPGROUND ROAD SOUTH
	167.65		N44°22'56.3"E					
DE18104	42.00	R	209+67.65	N	1588407.1520	E	2334266.3793	LUMPKIN CAMPGROUND ROAD SOUTH
ARC LENGTH = 133.06								
CHORD BEAR = N43°54'01.8"E								
LNTH CHORD = 133.06								
RADIUS = 7912.00								
DEGREE = 00°43'27.0"								
DE18103	42.00	R	211+00.00	N	1588503.0261	E	2334358.6427	LUMPKIN CAMPGROUND ROAD SOUTH
	51.38		N55°01'39.6"E					
DE18102	52.50	R	211+50.00	N	1588532.4787	E	2334400.7485	LUMPKIN CAMPGROUND ROAD SOUTH
	50.33		N42°52'21.7"E					
DE18200	52.50	R	212+00.00	N	1588569.3664	E	2334434.9940	LUMPKIN CAMPGROUND ROAD SOUTH
	32.51		S48°30'13.9"E					
DE18201	85.00	R	212+00.67	N	1588547.8282	E	2334459.3417	LUMPKIN CAMPGROUND ROAD SOUTH
	104.63		S56°52'34.0"W					
DE18202	60.00	R	211+00.00	N	1588490.6543	E	2334371.7170	LUMPKIN CAMPGROUND ROAD SOUTH
ARC LENGTH = 133.36								
CHORD BEAR = S43°54'01.8"W								
LNTH CHORD = 133.36								
RADIUS = 7930.00								
DEGREE = 00°43'21.1"								
DE18203	60.00	R	209+67.65	N	1588394.5621	E	2334279.2437	LUMPKIN CAMPGROUND ROAD SOUTH
	167.65		S44°22'56.3"W					
DE18205	60.00	R	208+00.00	N	1588274.7466	E	2334161.9843	LUMPKIN CAMPGROUND ROAD SOUTH
	18.00		N45°37'03.7"W					
DE18107	42.00	R	208+00.00	N	1588287.3366	E	2334149.1199	LUMPKIN CAMPGROUND ROAD SOUTH
REQD EASMT = 7688.80 SF								
REQD EASMT = 0.177 ACRES								

****
PARCEL 8 - DWESMT
DE83
REQ'D DRWY. EASM'T. TRACT 1
****

PNT	OFFSET/ DIST		STATION/ BEARING		NORTHING/EASTING COORDINATES			ALIGNMENT
DE18400	42.00	R	205+00.00	N	1588082.2996	E	2333920.8530	LUMPKIN CAMPGROUND ROAD SOUTH
ARC LENGTH = 77.52								
CHORD BEAR = N52°41'20.0"E								
LNTH CHORD = 77.51								
RADIUS = 1292.00								
DEGREE = 04°26'04.8"								
DE18108	42.00	R	205+75.00	N	1588129.2808	E	2333982.4998	LUMPKIN CAMPGROUND ROAD SOUTH
	229.66		N46°30'39.6"E					
DE18107	42.00	R	208+00.00	N	1588287.3366	E	2334149.1199	LUMPKIN CAMPGROUND ROAD SOUTH
	18.00		S45°37'03.7"E					
DE18205	60.00	R	208+00.00	N	1588274.7466	E	2334161.9843	LUMPKIN CAMPGROUND ROAD SOUTH
	67.08		S19°03'09.6"E					
DE18401	120.00	R	207+70.00	N	1588211.3394	E	2334183.8823	LUMPKIN CAMPGROUND ROAD SOUTH
	276.02		S45°04'42.1"W					
DE18402	135.00	R	205+15.00	N	1588016.4278	E	2333988.4369	LUMPKIN CAMPGROUND ROAD SOUTH
	94.38		N45°44'06.0"W					
DE18400	42.00	R	205+00.00	N	1588082.2996	E	2333920.8530	LUMPKIN CAMPGROUND ROAD SOUTH
REQD EASMT = 24543.37 SF								
REQD EASMT = 0.563 ACRES								

****
PARCEL 8 - DWESMT
DE84
REQ'D DRWY. EASM'T. TRACT 2
****

PNT	OFFSET/ DIST		STATION/ BEARING		NORTHING/EASTING COORDINATES			ALIGNMENT
DE18200	52.50	R	212+00.00	N	1588569.3664	E	2334434.9940	LUMPKIN CAMPGROUND ROAD SOUTH
	34.75		N42°33'54.1"E					
DE19101	52.50	R	212+34.52	N	1588594.9618	E	2334458.5013	LUMPKIN CAMPGROUND ROAD SOUTH
	47.14		S01°01'17.6"E					
DE18201	85.00	R	212+00.67	N	1588547.8282	E	2334459.3417	LUMPKIN CAMPGROUND ROAD SOUTH
	32.51		N48°30'13.9"W					
DE18200	52.50	R	212+00.00	N	1588569.3664	E	2334434.9940	LUMPKIN CAMPGROUND ROAD SOUTH
REQD EASMT = 564.75 SF								
REQD EASMT = 0.013 ACRES								

09

N/F
LUMPKIN CAMPGROUND, INC.
PARCEL ID: 113 008 003 (PORTION)
LUMPKIN CMPGD RD S

SEE SHT 60-0010

****
PARCEL 9 - REQD RW
DE90
REQ'D R/W
****

PNT	OFFSET/ DIST		STATION/ BEARING		NORTHING/EASTING COORDINATES			ALIGNMENT
20065	30.40	R	212+57.79	N	1588627.1390	E	2334457.9280	LUMPKIN CAMPGROUND ROAD SOUTH
	17.52		N44°44'19.3"E					
20066	31.17	R	212+75.23	N	1588639.5840	E	2334470.2600	LUMPKIN CAMPGROUND ROAD SOUTH
	15.63		N87°52'25.5"E					
20130	42.37	R	212+86.08	N	1588640.1640	E	2334485.8820	LUMPKIN CAMPGROUND ROAD SOUTH
	15.65		S01°47'10.9"W					
DE11010	52.50	R	212+74.22	N	1588624.5220	E	2334485.3942	LUMPKIN CAMPGROUND ROAD SOUTH
	39.96		S42°17'41.5"W					
DE19101	52.50	R	212+34.52	N	1588594.9618	E	2334458.5013	LUMPKIN CAMPGROUND ROAD SOUTH
	32.18		N01°01'14.5"W					
20065	30.40	R	212+57.79	N	1588627.1390	E	2334457.9280	LUMPKIN CAMPGROUND ROAD SOUTH
REQD R/W = 750.23 SF								
REQD R/W = 0.017 ACRES								
REMAINDER = +/- _____ ACRES								

****
PARCEL 9 - DWESMT
DE91
REQ'D DRWY. EASM'T.
****

PNT	OFFSET/ DIST		STATION/ BEARING		NORTHING/EASTING COORDINATES			ALIGNMENT
DE19101	52.50	R	212+34.52	N	1588594.9618	E	2334458.5013	LUMPKIN CAMPGROUND ROAD SOUTH
	39.96		N42°17'41.5"E					
DE11010	52.50	R	212+74.22	N	1588624.5220	E	2334485.3942	LUMPKIN CAMPGROUND ROAD SOUTH
	50.04		S01°47'14.9"W					
DE19100	85.00	R	212+36.50	N	1588574.5042	E	2334483.8332	LUMPKIN CAMPGROUND ROAD SOUTH
	36.21		S42°33'19.5"W					
DE18201	85.00	R	212+00.67	N	1588547.8282	E	2334459.3417	LUMPKIN CAMPGROUND ROAD SOUTH
	47.14		N01°01'17.6"W					
DE19101	52.50	R	212+34.52	N	1588594.9618	E	2334458.5013	LUMPKIN CAMPGROUND ROAD SOUTH
REQD EASMT = 1237.89 SF								
REQD EASMT = 0.028 ACRES								

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DATE	REVISIONS	DATE	REVISIONS

DAWSON COUNTY
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
SR 53 AT LUMPKIN CAMPGROUND ROAD
COUNTY: DAWSON
LAND LOT NO: 253,254,283,284
LAND DISTRICT: N/A
GMD: 820
DATE: 4/29/2026 SH 16 OF 17

DRAWING No.
60-0016

GRWPLN-CE
11/05/2020

NOT RELEASED FOR CONSTRUCTION

10

N/F
SCA INVESTMENTS GROUP,LLC
PARCEL ID: 113 038
33 LUMPKIN CMPGD RD S
SEE SHT 60-0004 & 60-0010

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**********************************************************************************************************
PARCEL 10 - REQD RW
DE100
REQ'D R/W
**********************************************************************************************************
  PNT       OFFSET/        STATION/            NORTHING/EASTING COORDINATES            ALIGNMENT
              DIST         BEARING
----------------------------------------------------------------------------------------------------------
   20130     42.37  R     212+86.08           N  1588640.1640   E  2334485.8820        LUMPKIN CAMPGROUND ROAD SOUTH
             13.02         S86°54'51.1"E
 DE11112     52.50  R     212+94.22           N  1588639.4631   E  2334498.8837        LUMPKIN CAMPGROUND ROAD SOUTH
             20.13         S42°04'38.1"W
 DE11010     52.50  R     212+74.22           N  1588624.5220   E  2334485.3942        LUMPKIN CAMPGROUND ROAD SOUTH
             15.65         N01°47'10.9"E
   20130     42.37  R     212+86.08           N  1588640.1640   E  2334485.8820        LUMPKIN CAMPGROUND ROAD SOUTH
  REQD R/W  =  101.86   SF
  REQD R/W  =  0.002    ACRES
REMAINDER   =  +/- 3  ACRES


**********************************************************************************************************
PARCEL 10 - TESMT - DE101
EASM'T. FOR CONST. OF CONSTRUCTION
**********************************************************************************************************
  PNT       OFFSET/        STATION/            NORTHING/EASTING COORDINATES            ALIGNMENT
              DIST         BEARING
----------------------------------------------------------------------------------------------------------
 DE11040     52.50  R     212+85.00           N  1588632.5723   E  2334492.6711        LUMPKIN CAMPGROUND ROAD SOUTH
              9.28         N42°02'15.5"E
 DE11112     52.50  R     212+94.22           N  1588639.4631   E  2334498.8837        LUMPKIN CAMPGROUND ROAD SOUTH
             22.49         S86°54'44.5"E
 DE11122     70.00  R     213+08.31           N  1588638.2519   E  2334521.3370        LUMPKIN CAMPGROUND ROAD SOUTH
             23.42         S42°00'22.3"W
 DE11020     70.00  R     212+85.00           N  1588620.8463   E  2334505.6614        LUMPKIN CAMPGROUND ROAD SOUTH
             17.50         N47°55'41.2"W
 DE11040     52.50  R     212+85.00           N  1588632.5723   E  2334492.6711        LUMPKIN CAMPGROUND ROAD SOUTH
REQD EASMT  =  286.08   SF
REQD EASMT  =  0.007    ACRES


**********************************************************************************************************
PARCEL 10 - DWESMT
DE102
REQ'D DRWY. EASM'T.
**********************************************************************************************************
  PNT       OFFSET/        STATION/            NORTHING/EASTING COORDINATES            ALIGNMENT
              DIST         BEARING
----------------------------------------------------------------------------------------------------------
 DE11010     52.50  R     212+74.22           N  1588624.5220   E  2334485.3942        LUMPKIN CAMPGROUND ROAD SOUTH
             10.85         N42°06'40.0"E
 DE11040     52.50  R     212+85.00           N  1588632.5723   E  2334492.6711        LUMPKIN CAMPGROUND ROAD SOUTH
             32.50         S47°55'41.2"E
 DE11041     85.00  R     212+85.00           N  1588610.7953   E  2334516.7960        LUMPKIN CAMPGROUND ROAD SOUTH
             49.03         S42°14'54.4"W
 DE19100     85.00  R     212+36.50           N  1588574.5042   E  2334483.8332        LUMPKIN CAMPGROUND ROAD SOUTH
             50.04         N01°47'14.9"E
 DE11010     52.50  R     212+74.22           N  1588624.5220   E  2334485.3942        LUMPKIN CAMPGROUND ROAD SOUTH
REQD EASMT  =  972.42   SF
REQD EASMT  =  0.022    ACRES
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04

N/F
LUMPKIN CAMPGROUND, INC.
PARCEL ID: 113 008 004
LUMPKIN CMPGD RD S

SEE SHT 60-0007 & 60-0008

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**********************************************************************************************************
PARCEL 4 - REQD RW
DE40
REQ'D R/W
**********************************************************************************************************
  PNT       OFFSET/        STATION/            NORTHING/EASTING COORDINATES            ALIGNMENT
              DIST         BEARING
----------------------------------------------------------------------------------------------------------
   20071     30.34  R     196+62.32           N  1587710.5320   E  2333169.8470        LUMPKIN CAMPGROUND ROAD SOUTH
             55.99         N56°54'30.8"E
     298     30.71  R     197+19.59           N  1587741.0990   E  2333216.7520        LUMPKIN CAMPGROUND ROAD SOUTH
ARC LENGTH = 61.79
CHORD BEAR = N58°40'43.4"E
LNTH CHORD = 61.78
    RADIUS = 1000.19
    DEGREE = 05°43'42.7"
     299     30.30  R     197+82.78           N  1587773.2160   E  2333269.5310        LUMPKIN CAMPGROUND ROAD SOUTH
ARC LENGTH = 106.72
CHORD BEAR = N62°44'01.7"E
LNTH CHORD = 106.69
    RADIUS = 1338.35
    DEGREE = 04°16'51.9"
   20009     30.44  R     198+91.92           N  1587822.0935   E  2333364.3667        LUMPKIN CAMPGROUND ROAD SOUTH
             11.65         S32°01'32.5"E
 DE18113     42.00  R     198+93.38           N  1587812.2202   E  2333370.5424        LUMPKIN CAMPGROUND ROAD SOUTH
ARC LENGTH = 226.79
CHORD BEAR = S60°06'33.2"W
LNTH CHORD = 226.51
    RADIUS = 1328.00
    DEGREE = 04°18'52.0"
 DE18114     42.00  R     196+59.42           N  1587699.3379   E  2333174.1609        LUMPKIN CAMPGROUND ROAD SOUTH
             12.00         N21°04'31.5"W
   20071     30.34  R     196+62.32           N  1587710.5320   E  2333169.8470        LUMPKIN CAMPGROUND ROAD SOUTH
  REQD R/W  =  2601.44   SF
  REQD R/W  =  0.060    ACRES
REMAINDER   =  +/- 1.441  ACRES
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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
PERM. EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES & UTL.
TEMP. EASEMENT FOR CONSTR OF SLOPES
PERM. EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DATE	REVISIONS	DATE	REVISIONS

DAWSON COUNTY
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
SR 53 AT LUMPKIN CAMPGROUND ROAD
COUNTY: DAWSON
LAND LOT NO: 253,254,283,284
LAND DISTRICT: N/A
GMD: 820
DATE: 4/29/2026 SH 17 OF 17

DRAWING No.
60-0017

GRWPLN-CE
11/05/2020