

**COBB COUNTY
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION**

**Willeo Road over Willeo Creek
Bridge Replacement
Project No. X2122
October 14, 2020**

ADDENDUM NO. 1

BIDS WILL BE RECEIVED UNTIL October 22, 2020 – 12:00 Noon Local Time

The following addendum hereby amends and/or modifies the Bid Documents and Contract Specifications as issued for this project. All bidders are subject to the provisions of this Addendum. **Bidders shall acknowledge receipt of this addendum.**

Electronic bids will be received via **Bid Express** at www.bidexpress.com on behalf of the Cobb County Board of Commissioners, **until 12:00 noon, October 22, 2020. NO BIDS WILL BE ACCEPTED AFTER THE 12:00 NOON DEADLINE.** No submitted bid may be withdrawn after the scheduled bid opening for a period of ninety (90) days.

All bids shall be accompanied by an Electronic Bid Bond via Bid Express a Paper Bid Bond, or a Certified Check delivered in a sealed envelope, indicating the project name and project number, to Cobb County Purchasing Department, 122 Waddell Street, Marietta, Georgia 30060, BEFORE THE 12:00 NOON DEADLINE. Bid Bond shall be drawn in favor of the Board of Commissioners, Cobb County, Georgia, in the amount of five percent (5%) of the bid for the complete work.

NOTE: Addenda and plan holder lists will be posted online at the following websites:

Cobb County Purchasing

<https://www.cobbcounty.org/purchasing>

Cobb County DOT

<https://www.cobbcounty.org/transportation/projects/bids-and-rfps>

Bid Express

www.bidexpress.com

Receipt of addenda must be acknowledged online at www.bidexpress.com. It is the bidder's ultimate responsibility to ensure that they have all applicable addenda prior to bid submittal and to utilize the latest bid schedule.

Proposals may be rejected if any of the Unit Prices are obviously unbalanced. The County will decide whether any Unit Prices are unbalanced either excessively above or below a reasonable cost analysis value determined by the Engineer, particularly if these unbalanced amounts are substantial and contrary to the interest on the County.

In an effort to meet Title VI requirements, contractors are encouraged to fill out the form in the bid package. This is strictly voluntary. Please place form in a separate envelope and deliver to Cobb County Purchasing Department.

Questions should be sent via email, no later than 2:00 p.m. on Friday, October 16, 2020, to purchasing@cobbcounty.org

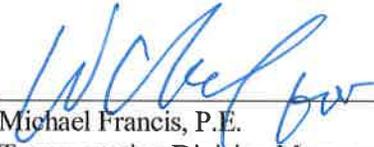
Addendum No. 1
Willeo Road over Willeo Creek Bridge Replacement
Project No. X2122
October 14, 2020
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I. PREBID CONFERENCE

Minutes of the Prebid Conference held on Tuesday October 13, 2020, are attached.

II. REVISIONS/ADDITIONS

1. Added Special Provisions
 - a. SP 154 Vibration Monitoring
 - b. SP 307 Pond Surveys
2. Utility Plans – For Information Only (AGL is performing SUE on the 12” HP main and for the regulator station. Final utility plans will be provided as they become available)
3. Revised Bid Schedule
 - a. Added Pay Item for Vibration Monitoring
 - b. Added Pay Item for Pond Survey


Michael Francis, P.E.
Transportation Division Manager

MF/WCK/jan

cc: *Electronic copies:*

Cobb County Purchasing
Erica Parish, CCDOT
Andrew raessler, CCDOT
Michael Francis CCDOT
Brook Martin, CCDOT Operations
Russ Ford, CCDOT, Engineering
Adam Lewis, CCDOT Construction
Kelly Patrick, CCDOT Operations
Files

David Muller, CCDOT Utility Coordinator
Andy Rikard, CCDOT Utility Coordinator
Dyan Merced, CCDOT Engineering
Wade Kelly, CCDOT Construction
Jane Stricklin, CCDOT, Operations
Karyn Matthews, CCDOT Engineering
James Hudgins CCDOT Engineering
Denise Hatabian, CCDOT, Construction

Attachments: Prebid Minutes
Revised Bid Schedule
SP 154 Vibration Monitoring
SP 307 Pond Survey
Utility Plans

**Willeo Rd over Willeo Creek – Bridge Replacement
Project No. X2122
PREBID CONFERENCE
Bid Date: October 22, 2020 – 12:00 Noon Local Time**

DATE: October 13, 2020

ATTENDEES: See Attached Sign-in Sheet

MEETING MINUTES:

- (1) This is the Prebid Conference for Cobb DOT **PROJECT NO. X2122, Willeo Road over Willeo Creek – Bridge Replacement. Electronic bids** will be received via **Bid Express at www.bidexpress.com** on behalf of the Cobb County Board of Commissioners, until **12:00 noon on October 22, 2020. NO BIDS WILL BE ACCEPTED AFTER THE 12:00 NOON DEADLINE.** Those received late will be unopened. No submitted bid may be withdrawn after the scheduled bid opening time for a period of ninety (90) days.

The bids will be publicly opened and read aloud at **2:00 p.m. on October 22, 2020, at the Cobb County Purchasing Department, 122 Waddell Street, Marietta, GA, 30060.**

All bids shall be accompanied by an Electronic Bid Bond via Bid Express a Paper Bid Bond, or a Certified Check delivered in a sealed envelope, indicating the project name and project number, to Cobb County Purchasing Department, 122 Waddell Street, Marietta, Georgia 30060, BEFORE THE 12:00 NOON DEADLINE. Bid Bond shall be drawn in favor of the Board of Commissioners, Cobb County, Georgia, in the amount of five percent (5%) of the bid for the complete work.

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Receipt of addenda must be acknowledged online at www.bidexpress.com. It is the bidder's ultimate responsibility to ensure that they have all applicable addenda prior to bid submittal and to utilize the latest bid schedule.

Proposals may be rejected if any of the Unit Prices are obviously unbalanced. The County will decide whether any Unit Prices are unbalanced either excessively above or below a reasonable cost analysis value determined by the Engineer, particularly if these unbalanced amounts are substantial and contrary to the interest on the County.

DO NOT DELIVER BIDS TO COBB DEPARTMENT OF TRANSPORTATION.

Minutes of this meeting and any revisions will be issued as Addendum No. 1.

CCDOT will update web sites and social media on a weekly basis based on information provided by the contractor. It will be the requirement of the contractor to coordinate all work occurring within the project limits including utility companies, sub-contractors, etc. for a comprehensive look to the week and weeks ahead with Cobb County through a Friday morning email report. Any and all costs to conform to this requirement shall be included in the cost bid for other items.

- (2) **Introduction of Representatives in attendance**

(3) Project Description:

The project includes a complete bridge replacement of the existing bridge located on Willeo Road over Willeo Creek. The project is located on Willeo Road, between Bywater Trail and Timber Ridge Road/Lower Roswell Road, at the Cobb/Fulton County line.

The time allowed for performance of the project will be 360 calendar days from issuance of Notice to Proceed. Failure to complete the overall construction in accordance with the above will result in the assessment of Liquidated Damages at the rate of \$1,000.00 per calendar day or portion thereof.

Construction staging will require the closure of Willeo Road as shown on the plans for a maximum duration of 120 consecutive calendar days. Specific closure dates shall be dependent on Atlanta Gas Light's (AGL) ability to isolate and take out of service the 12-inch steel gas main that is attached to the existing bridge, with a 120-day road closure required to occur between mid-March and September 2021. Contractor shall coordinate closure with AGL.

(4) Bid Proposal and Contract Documents:

A Notice of Intent is required on this project.

The Contractor must meet the current bid requirements of the Georgia Department of Transportation.

The Cobb County, Georgia, Department of Transportation in accordance with Title VI of the Civil Rights Act of 1964 and 78 Stat. 252, 42 USC 2000d—42 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, part 21, Nondiscrimination in federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, sex, national origin, disability, or age in consideration for an award.

The Contractor and their subcontractors are required to be in compliance with the "Georgia Security and Immigration Compliance Act." The Contractor must execute and submit at the time of the bid the "Contractor Affidavit and Agreement," or bid will be determined non-responsive and will be disqualified.

Failure to comply with any of the requirements and procedures of the County (i.e., failure to timely supply required affidavits or compliance certification documents; failure to utilize federal work authorization procedures; failure to permit or facilitate audits or reviews of records by County officials upon request; and/or failure to continue to meet any of the statutory or County obligations during the life of the contract) shall constitute a material breach of the agreement and shall entitle the County to dismiss any general contractor or to require the dismissal of any subcontractor or sub/subcontractor (irrespective of tier) for failing to fully comply with these requirements, and

That upon notice of a material breach of these provisions, the Contractor (or subcontractor, regardless of tier) shall be entitled to cure the breach within ten (10) days and provide evidence of such cure. Should the breach not be cured, the County shall be entitled to all available remedies, including termination of the contract, the requirement that a subcontractor be dismissed from performing work under the contract, and any and all damages permissible by law.

**PREBID CONFERENCE
MEETING MINUTES
Willeo Rd over Willeo Creek
Bridge Replacement
Project No. X2122
October 13, 2020
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(4) Bid Proposal and Contract Documents: (continued)

Disadvantaged Business Enterprise (DBE) Participation and Small Business Participation (SBP) in all DOT contracts is encouraged. Contractors must submit a DBE participation report to the County prior to beginning work on a project and a final DBE report must be submitted at the end of a project. **Monthly DBE reports must be submitted with each monthly invoice.** If DBE participation changes during the course of a project, an updated participation report must be submitted to the County at the time of such change. No Small Business reports are currently required; however, this is subject to change **at the County's discretion.**

All bidders must be on record with Bid Express as being plan holders. All bids shall be submitted electronically through Bid Express at www.bidexpress.com. Paper bids will not be accepted.

Bidding documents are available and open to public inspection through Bid Express at www.bidexpress.com and at the office of Construction Services, Cobb County Department of Transportation, 1890 County Services Parkway, Marietta, Georgia. Electronic Bidding Documents must be purchased through Bid Express at www.bidexpress.com. Plan Sets may be downloaded from http://docs.cobb.gov.org/TR482_Shallowford-Childers.pdf.

ALL NEW PROSPECTIVE BIDDERS ARE STRONGLY ENCOURAGED TO PRE-REGISTER WITH COBB COUNTY FINANCE PRIOR TO BID CLOSING. The New Vendor Registration Form can be located at <https://www.cobbpurchasing.org/webapp/VSSPROD/Advantage>.

(5) Utility Issues: (continued)

- For all bids for contracts involving utility work as defined in O.C.G.A. 43-14-1 et.seq., the Contractor and/or subcontractor(s) that will perform utility work must have a valid state of Georgia Utility Contractor License and comply with all applicable provisions of Chapter 14 of title 43 of O.C.G.A.
- Contractor shall submit monthly reports of utility coordination correspondence.
- It is the Contractor's responsibility to coordinate all utility relocations.
- Utility delays due to lack of coordination on behalf of the contractor will not be considered for reprieve from liquidated damages.
- This project is considered by the UPC to be a large ticket item.
- **Contractor shall not disturb the existing 12" sanitary sewer force main located on the south side of the existing bridge. Any damage caused during construction shall be repaired at contractor's expense.**
- **There is a 12" steel gas main attached to the north side of the existing bridge. Extensive coordination with Atlanta Gas Light is required on this project.**

(6) Right-of-Way:

All right of way has been acquired.

(7) Special Items to Note:

All walls shall have an ashlar finish with anti-graffiti coating, cost to be included in price of concrete.

All storm drain shall be R.C.P., only pipe under driveways may be per GDOT selection chart.

All signs that are temporarily removed must be put back in place before the end of the day.

**PREBID CONFERENCE
MEETING MINUTES
Willeo Rd over Willeo Creek
Bridge Replacement
Project No. X2122
October 13, 2020**

(7) Special Items to Note: (continued)

If required the Contractor shall take three-point levels on Widening and Reconstruction Projects and obtain the Engineer's approval of the "best fit" profile and cross slope, to minimize leveling requirements of the existing roadway. The Contractor must get the Engineer's approval of the proposed best fit before beginning widening and reconstruction. This will also apply to all walls, contractor shall layout walls before constructing them to get Engineers approval.

Grass shall be replaced in kind to match existing prior to construction. Sod shall be replaced with sod, seeded grass shall be replaced with seed. There is a pay item for sod to be used in yards and beauty strip. Included in the sod pay item is ground preparation and 4-inches of topsoil.

Trees outside of construction limits are to be removed only as directed by the Engineer.

Contractor will be required to mow grass no less than once a month until final acceptance.

All materials will come from the Georgia Department of Transportation Qualified Products List.

For asphaltic concrete pavement, placement of thermoplastic striping may commence no sooner than a minimum of 15 calendar days, and must be completed within a maximum of 45 calendar days following completion of the final surface course. If incomplete, liquidated damages in the amount of \$1,000 per day will apply.

- **No work shall be performed by the Contractor on any County project between the hours of 9:00 p.m. and 7:00 a.m., Monday through Saturday, unless specifically authorized by the County. Contractor shall adhere to the Cobb County Noise Ordinance which prohibits loud or unusual noise between the hours of 9:00 p.m. and 7:00 a.m. Any work performed during these hours will result in the assessment of Non-Refundable Deduction at the rate of \$1,000.00/hr or portion of an hour. These damages are in addition to any other specified damages as per Section 108.08, Failure or Delay in Completing Work on Time, or otherwise stated elsewhere in the Contract Documents.**

The contractor shall be required to repair or replace any existing parking lots within or adjacent to provided easements if used by and damaged by the contractor or any sub-contractors working for the contractor.

Section 150.08 Enforcement

(8) Review:

Section 108 Prosecution and Progress

Section 150 Traffic Control

- (9) Questions should be sent via email, no later than 2:00 p.m. on Friday, October 16, 2020, to purchasing@cobbcounty.org**



Michael Francis, P.E.
Transportation Division Manager

PRE-CONSTRUCTION CONFERENCE

April 21, 2017

10:30 A.M.

Little Willeo Road Bridge

COBB COUNTY PROJECT NO. X2112

In-Office Attendees

Nathan Deems

Denise Hatabian

Wade Kelly

Jeff Neiswender

Remote Attendees

Karyn Matthews

Andy Rikard

David Muller

Ana Fraundorf

Andrew Kennedy

Ben Colson

Gunvantrai Patel

Heath Paige

Lisa Rodriguez

Tommy Tidwell

Zack Lammers

Richard Jimenez

Pravin Patel

Darrell DeJean

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

SPECIAL PROVISION

**WILLEO ROAD OVER WILLEO CREEK
BRIDGE REPLACEMENT**

PROJECT NO: X2122

Section 154 - Construction Vibration Monitoring

Add the following:

154.1 General Description

This Work consists of performing preconstruction crack surveys, seismograph and other monitoring of construction vibrations, and post construction crack surveys of the buildings located at the Willeo Creek Pump Station and all utilities remaining in service within and adjacent to the proposed project construction on Willeo Road by procuring the services of a prequalified subcontractor specializing in this work.

154.1.1 Definitions

General Provisions 101 through 150.

A. Standard Specifications

154.1.2 Related References

General Provisions 101 through 150.

B. Referenced Documents

General Provisions 101 through 150.

154.1.3 Submittals

A. Prequalification of Subcontractor

Submit the following documentation for the Engineer's review and approval a minimum of thirty days prior to beginning construction activities on the project:

Evidence of the subcontractor's successful completion of at least five projects similar in concept and scope to the proposed crack survey and vibration monitoring. Include names, addresses and telephone numbers of the owners' representatives for verification.

Resumes of employees performing this work. Provide evidence showing each employee possesses experience and knowledge similar in concept and scope of this work for performing crack surveys and installing and reading seismographs. Provide evidence that the reports will be reviewed and signed by a Georgia Licensed Professional Engineer or Georgia Licensed Professional Geologist. The Department will be sole judge of determining if employees are qualified to perform the work on this project.

A detailed survey plan, monitoring plan, and sequence of work that describes all materials, methods and equipment to be used to complete the crack survey and vibration monitoring.

B. Construction Monitoring

Submit the following documentation during construction monitoring:

Preconstruction Crack Survey Report documenting existing conditions of buildings and utilities remaining in service prior to construction activities in accordance with subsection 154.3.03.B.

Monthly Seismograph Data and Data Summary Report and Activity Log of all construction activities within 500 feet (152 meters) of the seismograph in accordance with subsection 154.3.03.A.1.

Reports of building conditions regarding cracks or any other damage potentially caused by construction activities as complaints are received in accordance with subsection 154.3.03.C.

C. Post Construction

Submit a Post Construction Crack Survey Report in accordance with subsection 154.3.03.D documenting post construction condition of cracks or damage identified in the pre-construction survey and cracks or any other damage potentially caused by construction activities.

154.2 Materials

General Provision 101 through 150.

154.3 Construction Requirements

154.3.1 Personnel

Ensure all employees performing this work have been approved by the Engineer in accordance with subsection 154.1.03.A.

154.3.2 Equipment

A. Seismograph

Use a seismograph(s) that is weather proof and capable of continuously recording particle velocity in three perpendicular components with a flat response of 2-250 HZ over a range of at least 0.01 to 5.0 inches per second (0.254 to 127 mm per second). Provide a seismograph(s) that employs an internal dynamic calibration during each recording sequence and that has been shake table tested within the previous 24 months verifying an accuracy of +/- 5% over the frequency range of 4 to 125 Hertz. Provide a recorder/ software system that is capable of digitally storing and reproducing vibration levels in tabular or histogram (bar graph) form at no greater than six-minute intervals.

B. Crack Gauges

Use crack gauges specifically designed for use on this type of work. Utilize a minimum of 15 crack gauges and a maximum of 25 to monitor significant cracks on the interior or exterior of buildings located closest to the construction activities. Submit the proposed locations of crack gauges to the Engineer for review and approval prior to installation. Use crack gauges that do not damage or stain existing surfaces. Replace missing or damaged gauges at no additional cost to the Department. Repair and restore surfaces back to the pre- installation state.

154.3.3 Construction

Obtain Engineer's written approval of the Prequalification documents submitted in accordance with Subsection 154.1.03.A prior to beginning this work.

Perform the preconstruction crack survey prior to starting construction activities on the project.

Install and begin seismograph monitoring prior to starting excavation, pile installation, shoring and backfilling construction activities on the project.

Maintain seismograph and crack monitoring until excavation, pile installation, shoring and backfilling, compaction of subgrade, base and pavement construction activities on the project are complete.

A. Seismograph Installation and Monitoring

Monitor vibrations at buildings and vibration-sensitive utilities using seismographs when construction activities including, but not limited to, excavation, pile installation, shoring installation, backfilling, and compaction of subgrade, base and pavement are within 75 feet (23 meters) of the buildings, or otherwise have the potential to result in vibrations that may cause damage or complaints. Relocate seismographs as needed. Protect the seismograph from weather and vandalism. Replace missing or damaged equipment at no cost to the Department. Document the following information at the time that the seismograph is installed:

- Date and time of installation
- Coordinates of installed instrument or Station and offset
- Method of transducer attachment
- Name and affiliation of the person installing the instrument

1. Monthly Seismograph Data and Data Summary Report and Activity Log:

Compile a Monthly Seismograph Data and Data Summary Report containing the data from the seismograph and a summarization of the data showing time and magnitude of the maximum vibration that has occurred each day.

Maintain an activity log of all construction activities within 500 feet (152 meters) of the seismograph. Include the following data in each log:

- Location of construction activity
- Type of construction activity
- Types and number of construction equipment being used, including model, manufacture and weight.
- Date and times construction equipment was used.

Submit Monthly Seismograph Data Summary Report and Activity Log to the Engineer on a monthly basis.

B. Preconstruction Crack Survey

Complete a preconstruction crack survey on the outside and inside of all buildings located at the Willeo Road Pump Station. Document building conditions by taking photographs and detailed notes citing location, length and width of cracks. Compile documentation into a Preconstruction Crack Survey Report and submit to the Engineer.

C. Building Monitoring

Monitor buildings during construction for any new cracks and or elongation or widening of existing cracks. Provide a report of building conditions to the Engineer regarding cracks or any other damage potentially caused by construction activities as complaints are received.

D. Post Construction Crack Survey

Complete a post construction crack survey on the outside and inside of all buildings located at the Willeo Road Pump Station. Document building conditions by taking photographs and detailed notes citing condition of cracks or damage identified in the pre-construction survey; also, location, length and width of cracks or any other damage potentially caused by construction activities.

154.4 Measurement

The Work under this Contract Item is not measured separately for payment.

154.5 Payment

This Contract Item completed and accepted will be paid for at the Lump Sum Price bid. Payment will be full compensation for furnishing and installing the seismographs and crack gauges, for monitoring and reporting vibration data recorded on the seismographs and crack gauges, and completing crack survey and documenting building conditions and providing copies of all data to the Engineer in accordance with this specification. Seismographs, crack gauges and all other measuring equipment and devices will remain property of the Contractor.

Payment will be made under:

Item No. 154	Construction Vibration Monitoring	Per Lump Sum
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Office of Materials and Testing

**DEPARTMENT OF TRANSPORTATION
COBB COUNTY GEORGIA**

SPECIAL PROVISION

X2122 Willeo Road over Willeo Creek

**Section 307 – Impermeable Membrane for Subgrades, Basins, Ditches, and
Canals**

Add the following:

307.6 Pond Surveys

Contractor to provide before and after survey of the pond (stream/reservoir/waterway) located on the project as follows:

<u>Station to Station</u>	<u>Location</u>	<u>Distance from Centerline</u>
10+00 to 15+00	Left	150'
10+00 to 19+00	Right	150'

Survey must be signed by a Georgia registered surveyor.

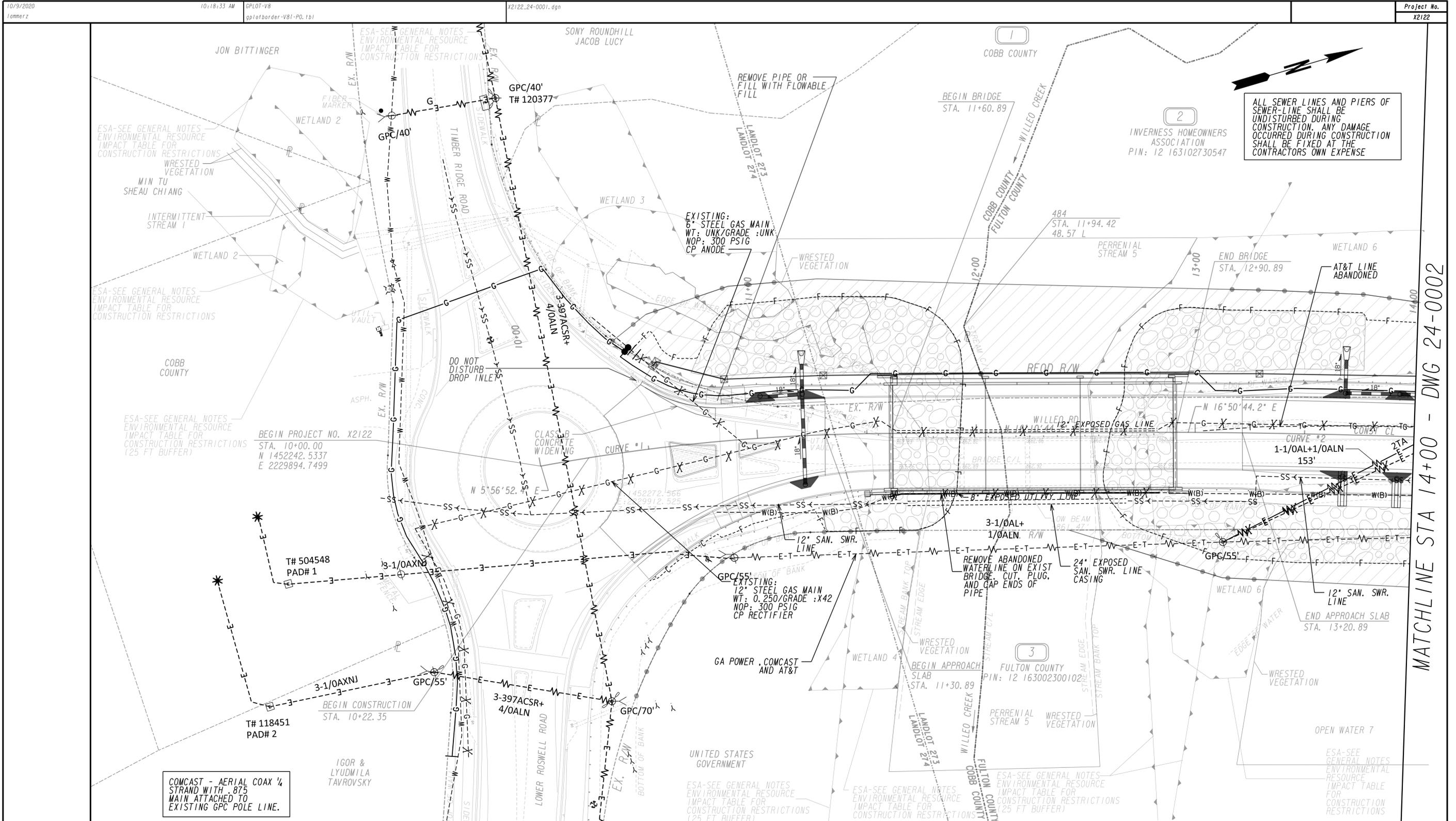
307.6.01 Pre-Construction Surveys

Contractor shall obtain lake bottom data points (x,y,z) on an approximate 50 ‘ grid pattern of the subject lake. The grid points shall include the water surface edge and top of bank/top of dam. The data points will be provided to Cobb County digitally and hard copy final drawing format. The survey shall be prepared in accordance with the Minimum Technical Standards for Surveys for the State of Georgia. The survey shall include pictures of the shore line, the water course entering the pond and the water course leaving the pond. The elevation datum to be used shall be the same as the adjacent project plans.

307.6.02 Post-Construction Surveys

Contractor shall obtain lake bottom data points (x,y,z) on an approximate 50 ‘ grid pattern of the subject lake. The grid pattern of the post-construction survey shall match the grid pattern of the pre-construction survey. The results of the field survey will be compared to the initial lake bottom elevations and a drawing prepared which shows the change in lake bottom data points from the initial survey. The survey will also contain a statement, signed by the licensed surveyor, which states the volume of the lake below the water surface elevation, Pre and Post construction. The survey shall be prepared in accordance with the Minimum Technical Standards for Surveys for the State of Georgia and shall be certified by a licensed surveyor in the State of Georgia. The elevation datum to be used shall be the same as per the adjacent project plans.

FOR INFORMATION ONLY



ALL SEWER LINES AND PIERS OF SEWER LINE SHALL BE UNDISTURBED DURING CONSTRUCTION. ANY DAMAGE OCCURRED DURING CONSTRUCTION SHALL BE FIXED AT THE CONTRACTORS OWN EXPENSE

COMCAST - AERIAL COAX 1/4 STRAND WITH .875 MAIN ATTACHED TO EXISTING GPC POLE LINE.

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
 ---EL--- END LIMIT OF ACCESS.....ELA
 ---C---F--- LIMIT OF ACCESS
 ---||---||--- REQ'D R/W & LIMIT OF ACCESS
 ---X---X--- ORANGE BARRIER FENCE
 ---▲---▲--- ESA - ENV. SENSITIVE AREA
 (SEE ERIT TABLE)



Gresham Smith
 SCALE IN FEET
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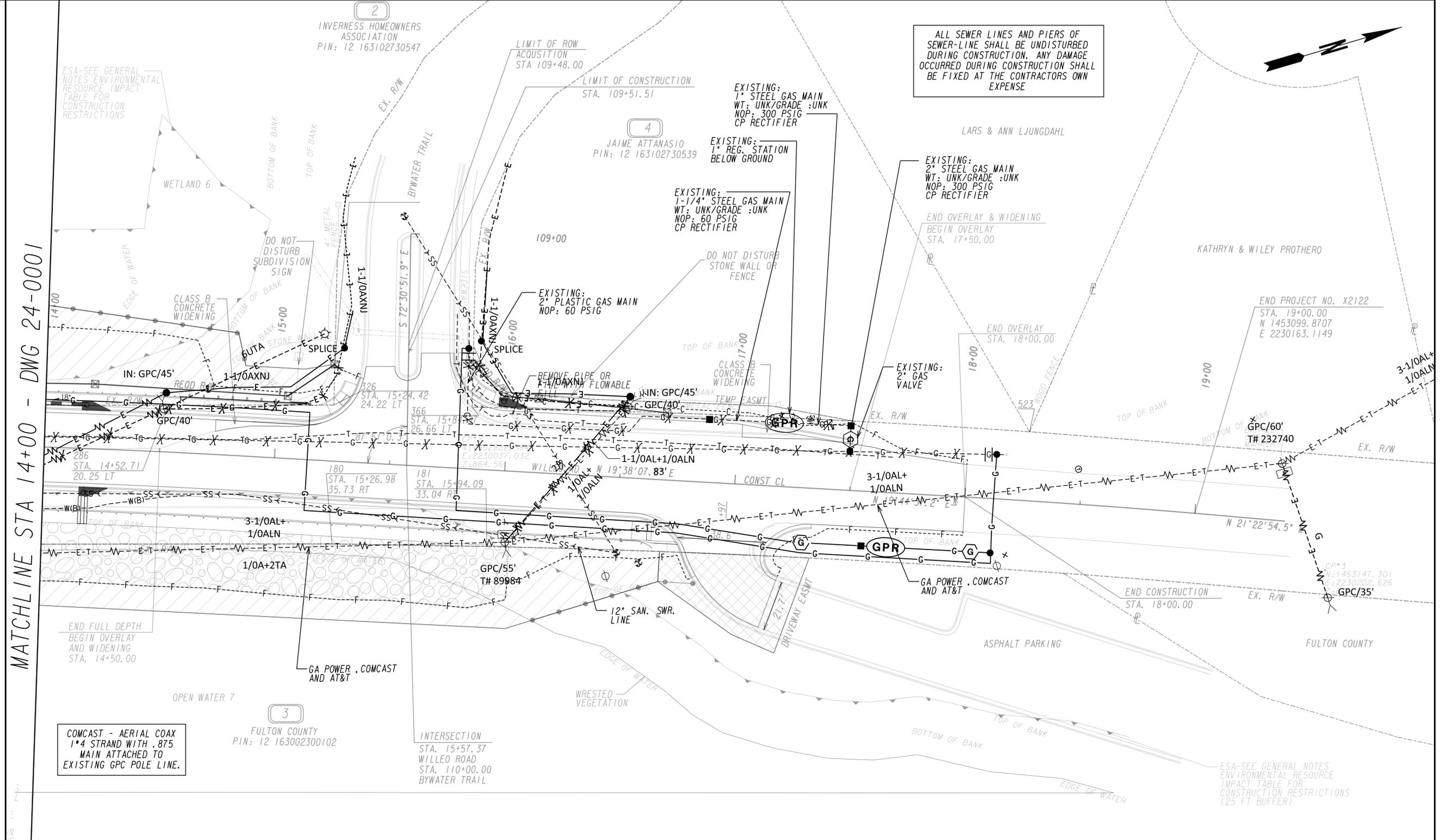
REVISION DATES	

UTILITY PLANS
 WILLED ROAD OVER WILLED CREEK
 PROJECT NO. X2122

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

MATCHLINE STA 14+00 - DWG 24-0002

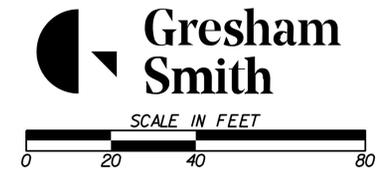
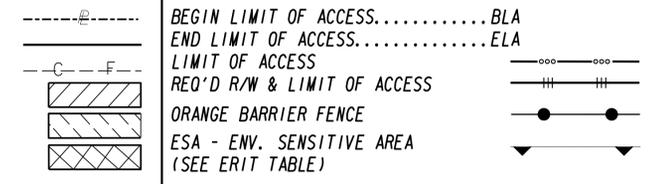
FOR INFORMATION ONLY



ALL SEWER LINES AND PIERS OF SEWER-LINE SHALL BE UNDISTURBED DURING CONSTRUCTION. ANY DAMAGE OCCURRED DURING CONSTRUCTION SHALL BE FIXED AT THE CONTRACTORS OWN EXPENSE

MATCHLINE STA 14+00 - DWG 24-0001

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



REVISION DATES	

UTILITY PLANS			
WILLETTO ROAD OVER WILLETTO CREEK			
PROJECT NO. X2122			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			24-0002

ProjectView Bid Schedule of Items - Project Detail

Department of Transportation

Cobb County Government

10/14/2020 4:23:20PM

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Contract No: C 001526 Willeo Road over Willeo Creek Bridge Replacement - X2122

Vendor: _____

Project No/Project Name: X2122 WILLEO RD OVER WILLEO CREEK

Signature: _____

Group: B01 BRIDGE 1

Line No.	Approx Quant.	Item	Unit Price	Amount
5	1.00 LS	154-1000 CONSTRUCTION VIBRATION MONITORING		
10	441.00 SY	500-0100 GROOVING CONCRETE		
15	1.00 LS	500-1006 SUPERSTR CONCRETE, CL AA Desc: (183 CY)		
20	78.00 CY	500-3101 CLASS A CONCRETE		
25	2,176.00 LF	507-1021 PSC CORED SLAB BEAMS, 21 IN, BR NO-		
30	11,762.00 LB	511-1000 BAR REINF STEEL		
35	1.00 LS	511-3000 SUPERSTRUCTURE REINFORCING STEEL Desc: (16,384 LB)		
40	510.00 LF	520-1125 PILING IN PLACE, STEEL H, 12 BP 53		
45	440.00 LF	520-1147 PILING IN PLACE, STEEL H, 14 BP 73		
50	1.00 EA	520-4125 LOAD TEST, STEEL H, 12 BP 53		
55	1.00 EA	520-4147 LOAD TEST, STEEL H, 14 BP 73		
60	820.00 LF	520-5000 PILOT HOLES		
65	1.00 LS	540-1101 REMOVAL OF EXISTING BR Desc: Exist Bridge STA 11+64		

ProjectView Bid Schedule of Items - Project Detail

Department of Transportation

Cobb County Government

10/14/2020 4:23:20PM

Page 2 of 8

Contract No: C 001526 Willeo Road over Willeo Creek Bridge Replacement - X2122

Vendor: _____

Project No/Project Name: X2122 WILLEO RD OVER WILLEO CREEK

Signature: _____

Group: B01 BRIDGE 1

Line No.	Approx Quant.	Item	Unit Price	Amount
70	125.00 LF	547-2014 PILE ENCASEMENT, 14 IN PILE		
75	2,262.00 SY	603-2024 STONE DUMPED RIP RAP, TP 1, 24 IN		
80	2,262.00 SY	603-7000 PLASTIC FILTER FABRIC		
			BRIDGE 1	

ProjectView Bid Schedule of Items - Project Detail

Department of Transportation

Cobb County Government

10/14/2020 4:23:20PM

Page 3 of 8

Contract No: C 001526 Willeo Road over Willeo Creek Bridge Replacement - X2122

Vendor: _____

Project No/Project Name: X2122 WILLEO RD OVER WILLEO CREEK

Signature: _____

Group: T01 ROADWAY

Line No.	Approx Quant.	Item	Unit Price	Amount
85	1.00 LS	150-1000 TRAFFIC CONTROL		
90	1.00 ACR	163-0232 TEMPORARY GRASSING		
95	24.00 TON	163-0240 MULCH		
100	2.00 EA	163-0300 CONSTRUCTION EXIT		
105	116.00 LF	163-0520 CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN		
110	10.00 EA	163-0550 CONSTRUCT & REMOVE INLET SEDIMENT TRAPS		
115	725.00 LF	165-0030 MAINTENANCE OF TEMPORARY SILT FENCE - TP C		
120	330.00 LF	165-0050 MAINT OF SILT RETENTION BARRIER		
125	2.00 EA	165-0101A MAINTENANCE OF CONSTRUCTION EXIT		
130	10.00 EA	165-0105 MAINTENANCE OF INLET SEDIMENT TRAPS		
135	4.00 EA	167-1000A WATER QUALITY MONITORING AND SAMPLING		
140	12.00 MO	167-1500 WATER QUALITY INSPECTION		
145	659.00 LF	170-1000 FLOATING SILT RETENTION BARRIER		
150	1,450.00 LF	171-0030 TEMPORARY SILT FENCE, TYPE C		

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Signature: _____

Group: T01 ROADWAY

Line No.	Approx Quant.	Item	Unit Price	Amount
155	1.00 LS	205-0100 CONSTRUCTION ALLOWANCE	Fixed	\$ 75,000.00
160	5.00 CY	207-0203 FOUND BKFILL MATL, TP II		
165	1,620.00 CY	208-0200 ROCK EMBANKMENT		
170	1.00 LS	210-0100 GRADING COMPLETE		
175	1,075.00 SY	232-0010A GEOTEXTILE FILTER FABRIC FOR SUBGRADE STABILIZATN Desc: Special Provision 881		
180	1.00 LS	307-4002 POND SURVEY		
185	1,126.00 SY	310-5100 GR AGGR BASE CRS, 10 INCH, INCL MATL		
190	10.00 TON	318-3000 AGGREGATE SURFACE COURSE		
195	50.00 TON	402-1802 RECYCLED ASPH CONC PATCHING INCL BIT MATL & H LIME		
200	100.00 TON	402-1812 RECYCLED ASPH CONC LEVELING,INCL BIT MAT & HYD LIM		
205	2,917.00 SY	402-3908 Recy 1.5" Asp Con 9.5mm Sprpv, GP2 only, Inc BM&HL		
210	855.00 SY	402-4012 RECYC 2" ASP CON 19MM SPRPAVE GP1 OR 2 INC BM & HL		
215	625.00 SY	402-4310 RECYC 4" ASPH CONC 25MM SPRPAVE GP1OR 2 INCL BM&HL		
220	248.00 GAL	413-0750 TACK COAT		

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Group: T01 ROADWAY

Line No.	Approx Quant.	Item	Unit Price	Amount
225	340.00 SY	432-5010 MILL ASPHALT CONC PVMT, VARIABLE DEPTH		
230	237.00 SY	433-1100 REINF CONC APPROACH SLAB, INCL CURB		
235	166.00 SY	441-0104 CONC SIDEWALK, 4 IN		
240	333.00 SY	441-0106 CONC SIDEWALK, 6 IN		
245	187.00 SY	441-0108A Concrete Sidewalk, 8 In		
250	3.00 EA	441-0300 CONC SPILLWAY SPCL. DES. Desc: Sidewalk Spillway		
255	10.00 SY	441-0748 CONCRETE MEDIAN 6 IN, INCL DOWELS Desc: Red Stamped		
260	116.00 LF	441-5057 CONC DOWELED INTEGRAL CURB, TP 7, INCL DOWELS		
265	1,045.00 LF	441-6216 CONC CURB & GUTTER, 8 IN X 24 IN, TP 2		
270	339.00 LF	446-1100 PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDE		
275	6.00 CY	500-9999 CLASS B CONCRETE, BASE OR PVMT WIDENING		
280	129.00 LF	550-1180 STORM DRAIN PIPE, 18 IN, H 1-10		
285	2.00 EA	550-4218 FLARED END SECTION, 18 IN, STORM DRAIN		

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Group: T01 ROADWAY

Line No.	Approx Quant.	Item	Unit Price	Amount
290	7.00 EA	611-5360 RESET HIGHWAY SIGN		
295	12.00 EA	634-1200 RIGHT OF WAY MARKER		
300	1.00 EA	634-1201 RIGHT OF WAY, PROPERTY LINE IRON PIN		
305	99.00 SF	636-1036 HWY SIGNS, TP1 MATL, REFL SHEETING, TP11 (GDOT)		
310	12.00 SF	636-1046 HWY SIGNS, TP2 MATL, REFL SHEETING, TP 11		
315	245.00 LF	636-2070 GALV STEEL POSTS TP 7		
320	130.00 LF	641-1100 GUARD RAIL, TYPE T		
325	650.00 LF	641-1200 GUARD RAIL, TYPE W		
330	1.00 EA	641-5001 GUARD RAIL ANCHORAGE, TP 1		
335	1.00 EA	641-5015 GUARDRAIL TERMINAL, TP 12A, 31 IN, TANGENT, ENERGY-ABSORBING		
340	649.00 LF	643-8200 BARRIER FENCE, 4 FT Desc: Orange		
345	4.00 EA	653-0110 THERMOPLASTIC PVMT MARKING, ARROW, TP 1		
350	2.00 EA	653-0120 THERMOPLASTIC PVMT MARKING, ARROW, TP 2		

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Group: T01 ROADWAY

Line No.	Approx Quant.	Item	Unit Price	Amount
355	1.00 EA	653-0296 THERMOPLASTIC PVMT MARKING, WORD, TP 15		
360	4.00 EA	653-0320 THERMOPLASTIC PAVEMENT MARKING, SYMBOL, TP 4		
365	1,280.00 LF	653-1501 THERMOPLASTIC SOLID TRAFFC STRIPE, 5 IN,WHITE		
370	1,134.00 LF	653-1502 THERMOPLASTIC SOLID TRAFFC STRIPE, 5 IN,YELLW		
375	17.00 LF	653-1704 THERMOPLASTIC SOLID TRAFFIC STRIPE, 24 IN, WHITE		
380	477.00 LF	653-1804 THERMOPLASTIC SOLID TRAFFIC STRIPE, 8 IN, WHITE		
385	439.00 GLF	653-3501 THERMOPLASTIC SKIP TRAFFIC STRIPE, 5 IN,WHITE		
390	22.00 SY	653-6004 THERMOPLASTIC TRAF STRIPING, WHITE		
395	24.00 SY	653-6006 THERMOPLASTIC TRAF STRIPING, YELLOW		
400	38.00 EA	654-1001 RAISED PVMT MARKERS, TP 1		
405	12.00 EA	654-1003 RAISED PVMT MARKERS, TP 3		
410	475.00 LF	657-1085 PREF PLASTIC SOLID PVMT MKG, 8 IN, CONTRAST Desc: Black/White TP PB		
415	106.00 GLF	657-3085 PREF PLAS SKP PVMTMKG,8 IN,CONTRAST(BLK-WHT),TP PB		

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Group: T01 ROADWAY

Line No.	Approx Quant.	Item	Unit Price	Amount
420	4.00 EA	657-5005 PREF PLASTIC PVMT MKG, WORDS AND/OR SYM, CONTRAST (BLACK-WHITE), TP PB		
425	289.00 LF	657-6085 PREF PLASTIC SOLID PVMT MKG, 8 IN CONTRAST Desc: Black/Yellow TP PB		
430	7.00 EA	668-1100 CATCH BASIN, GP 1		
435	1.00 ACR	700-6910 PERMANENT GRASSING		
440	4.00 TON	700-7000 AGRICULTURAL LIME		
445	2.00 TON	700-8000 FERTILIZER MIXED GRADE		
450	52.00 LB	700-8100 FERTILIZER NITROGEN CONTENT		
455	717.00 SY	700-9300 SOD		
460	283.00 SY	716-2000 EROSION CONTROL MATS, SLOPES		
465	3.00 EA	999-3015 SPLOST SIGN INSTALLATION, HARDWARE, POSTS	\$ 100.00	\$ 300.00
			ROADWAY	
			X2122 WILLEO RD OVER WILLEO CREEK	
			CONTRACT TOTAL	