



Town of Ridgeland

August 25, 2026

PROJECT: Town of Ridgeland –Tillman Highway Forcemain and Watermain Improvements
TOR-2026-06

ADDENDUM: One (1)

BID DUE DATE: Tuesday, September 1, at 2:30 PM

THIS ADDENDUM IS FOR THE PURPOSE OF MAKING THE FOLLOWING CHANGES OR CLARIFICATIONS:

1. Responses to Questions:

a. Question: Will Ridgeland accept Fusible PVC for the Directional Drill?

Response: Fusible PVC is acceptable for a material substitution for the HDPE, but the Contractor is responsible for all technical revisions associated with this substitution, at no additional costs. The internal pipe diameter shall match the required ten inches (10") and twelve inches (12") of the HDPE. Additionally, the installer (Contractor or Subcontractor) must have relevant experience which must be provided on the required experience forms.

There is an alternative (see below) which requires FPVC.

b. Question: Do you have a Spec or Model # for the ARV Force main?

Response: The air release valves shall be Model ARI D-025 SAAR with vacuum check (Nylon below - SS above); Golden Anderson Model 929; or Model Val-Matic # 48A.

c. Question: On the Water Plans It says Below ground 2" Manual Air release valve /Flushing Assembly and Sample Test Cap. Can you please provide a Model# or Detail?

Response: The air release valves shall be Model 200WD as manufactured by APCO Valve and Primer Corporation, Schaumburg, Illinois; or Model 45VC by Val-Matic Valve and Manufacturing Corporation, Lyons, Illinois.

Town of Ridgeland – Tillman Highway Forcemain and Watermain Improvements (TOR 2026-06)

- d. **Question: Is stone bedding required for the water and force main trenches. If so, how much is needed? (See Typical Trench Detail, Sheet D-2)**

Response: Yes, stone bedding is required for open cut trenches. The depth of this stone bedding shall be 1/8 of the pipe diameter, with a minimum of 4" depth.

- e. **Check dams – We do not see a detail for type needed. Straw? Rock?**

Response: Check dams are to be per SC Department of Transportation standard detail 815-105-00 or 815-105-05, as listed in Appendix A.

- f. **Dummy Valve boxes every 475 LF, do you want them priced in the LF of pipe or do you want a line item created in the bid? (Page 287K of Specs "Locate Wiring")**

Response: Boxes associated with tracer wires are to be included within the price of the various pipe installation, which are linear feet based.

- g. **Question: The Bid Manual states that experience forms are required during the bid, while the Pre Bid Meeting Agenda has them submitted after the bid by the lowest bidder, please clarify.**

Response: The Bid Manual is accurate, with the various experience forms being required by all Contractors (and relevant Subcontractors) with their bid documents, at the time of submission.

- h. **Question: Is there an estimated cost for the project?**

Response: At this time, the engineer's estimate will not be provided.

2. Alternate #1

- i. Alternate #1 pertains to horizontal directional drilling segments of forcemain pipe between East Wilson Street right-of-way and Jimmy Mixson Water Reclamation Facility.
- j. A design drawing with this alternate has been included within this Addendum (see drawings).
- k. The Schedule of Unit Prices has been updated, and included within this Addendum (see 00410, below).

3. Liquidated Damages

Substantial completion of the watermain component has been revised to be 245 days, with \$1,000 daily liquidated damages occurring thereafter. The overall project substantial completion remains at 365 days, with total completion remaining at 395 days. (see 00520 below).

4. Subsurface Utility Exploration (SUE) Field Reports 1.

The field reports of the subsurface utility (VVH) exploration are included within this addendum.

5. Optional Pre-bid Meeting Attendance:

Below are the attendees of the pre bid meeting on Wednesday August 12, 2026.

- Dennis Averkin (Town of Ridgeland)
- Dwaine Falls (Four Waters Engineering)
- Rachel Perley (Four Waters Engineering)
- Kate Bleuer (Four Waters Engineering)

- Adam Turbeville (J.H. Hiers Construction)
- Rob Preston (J.H. Hiers Construction)
- Cole Bryant (Dustcom Ltd)
- Elliott Rudolphi (BRW Construction)
- Ronn Shuman (A D Williams Construction)

6. Revised Specifications:

The following specifications have been revised, and are included within this addendum:

- 00410 Bid Form for Construction Contract
- 00451 Qualifications Statement
- 00520 Agreement between Owner and Contractor for Construction Contract
- 01025 Measurement and Payment
- 02660 Pressure Piping System
- 02661 Pressure Valves and Appurtenances
- 02961 Temporary Sewer Bypass Operations

7. Revised Drawings:

The drawings have been revised and is included within this addendum

8. Plan Holders List:

The current Plan Holders List which includes all parties that 4Waters Engineering has issued bid documents to, is provided below.

Contractor/Vendor	Contact Person	Email
JOCO Construction, LLC	Tom Jenkins	jami@jococonstructionllc.com
Dustcom Limited	Dusty Williams	dusty@dustcomlimited.com
J.H. Hiers Construction, LLC	Alex Weeks	Alex@jhhiers.com
Barfield Enterprises, LLC	Brandon Barfield	brandon@barfieldenterprises.com
Ogeechee River Sand, LLC	Darrell Morgan	dmconst2@gmail.com
Vallencourt Construction	Clayton Rodgers	claytonr@vallencourt.com
Complete Utilities, LLC	Rusty Elvington	rusty@complete-utilities.com
Vertical Earth Savannah	Nick Smalley	NSmalley@vesavannah.com
CBG Inc	James Carraway	jcarraway@cbgsitework.com
Underground Solutions	Nick Dross	ndross@azuria.com
BRW Construction	Wes Drewery/Elliott Rudolphi	wes@brwconstruction.com
Babcock Construction	Jackson Babcock	jackson@babcockconstruction.com
Barwick Plumbing Company	Cindy Rogers	cindy@barwickplumbingco.com

9. Acknowledgement:

The Bidder shall include acknowledgement of the Addendum One (1) in bid by including this form and also acknowledge Addendum One (1) in Section 00410 Bid Form for Construction Contract.

Signature: _____

Date: _____

00410 BID FORM FOR CONSTRUCTION CONTRACT

[NOTE TO BIDDER: DETACH ENTIRE SECTION AND SUBMIT AS BID. STAPLE SECTION TOGETHER PRIOR TO SUBMITTING.]

The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 1—OWNER AND BIDDER

1.01 This Bid is submitted to:

Town of Ridgeland
PO Box 1119
One Town Square
Ridgeland, South Carolina 29936

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2—ATTACHMENTS TO THIS BID

2.01 The following documents are submitted with and made a condition of this Bid:

- A. Required Bid security;
- B. Evidence of authority to do business in the state of the Project; or a written covenant to obtain such authority within the time for acceptance of Bids;
- C. Contractor's license number as evidence of Bidder's State Contractor's License or a covenant by Bidder to obtain said license within the time for acceptance of Bids.
- D. List and qualifications of Subcontractors (Schedule B of EJCDC C-451). Subcontractors for specialty work, for this project are provided in Section 9.01 (of EJCDC C-451) are required to be licensed in the State of South Carolina. Prime contractor must be licensed in the State of South Carolina.

ARTICLE 3—BASIS OF BID

3.01 In evaluating Bids, Owner will consider whether or not the Bids comply with the prescribed requirements, and such alternates, unit prices, and other data, as may be requested in the Bid Form or prior to the Notice of Award.

3.02 In the comparison of Bids, alternates will be applied in the same order of priority as listed in the Bid Form. For comparison purposes alternates will be accepted, following the order of priority established in the Bid Form, until doing so would cause the available budget to be exceeded. After determination of the Successful Bidder based on this comparative process and on the responsiveness, responsibility, and other factors set forth in these Instructions, the award may be made to said Successful Bidder on its base Bid and any combination of its additive alternate Bids for which Owner determines funds will be available at the time of award.

3.03 *Unit Price Bids*

- A. Bidder will perform the following Work at the indicated unit prices:

[NOTE TO BIDDER: BIDDER TO ENTER BID UNIT PRICE AND BID ITEM PRICE FOR EACH LINE-ITEM LISTED. BIDDER TO ALSO ENTER TOTAL OF ALL UNIT PRICE BID ITEMS]

No.	Description	Unit	Quantity	Unit Price	Item Price
1	Contractor General Conditions	LS	1		
2	Maintenance of Traffic (Traffic and Pedestrian Control)	LS	1		
3	Silt Fence	LF	21,853		
4	Check Dams	EA	49		
5	Inlet Protection	EA	17		
6	Tree Trimming Operations	LS	1		
7	8" PVC (DR18) Forcemain by Open Cut, with Select Backfill	LF	20		
8	10" PVC (DR18) Forcemain by Open Cut, with Select Backfill	LF	9,043		
9	10" PVC (DR18) Forcemain by Open Cut, with Granular Backfill (Driveways)	LF	421		
10	10" PVC (DR18) Forcemain by Open Cut, with Unshrinkable Flowable Fill Backfill (Roadway)	LF	2,573		
11	8" PVC (DR18) Watermain by Open Cut, with Select Backfill	LF	105		
12	8" PVC (DR18) Watermain by Open Cut, with Unshrinkable Flowable Fill Backfill (Roadway)	LF	35		
13	12" PVC (DR18) Watermain by Open Cut, with Select Backfill	LF	8,832		
14	12" PVC (DR18) Watermain by Open Cut, with Granular Backfill (Driveways)	LF	353		
15	12" PVC (DR18) Watermain by Open Cut, with Unshrinkable Flowable Fill Backfill (Roadway)	LF	1,043		
16	12" HDPE (10" I.D.) (DR11) Forcemain by Horizontal Directional Drilling	LF	2,233		
17	16" HDPE (12" I.D.)(DR11) Watermain by Horizontal Directional Drilling	LF	576		
18	10" DI Forcemain Carrier Pipe for Jack & Bore	LF	296		
19	24" Steel Casing Pipe for Jack & Bore, including spacers and end treatment	LF	273		
20	8" DI MJ 90° Bend	EA	1		

No.	Description	Unit	Quantity	Unit Price	Item Price
21	10" DI MJ 11.25° Bend	EA	10		
22	10" DI MJ 22.5° Bend	EA	13		
23	10" DI MJ 45° Bend	EA	67		
24	10" DI MJ 90° Bend	EA	3		
25	12" DI MJ 11.25° Bend	EA	18		
26	12" DI MJ 22.5° Bend	EA	13		
27	12" DI MJ 45° Bend	EA	57		
28	12" DI MJ 90° Bend	EA	3		
29	10" MJ Gate Valve with Box and Cover	EA	13		
30	8" MJ Gate Valve with Box and Cover	EA	4		
31	6" MJ Gate Valve with Box and Cover	EA	11		
32	12" MJ Gate Valve with Box and Cover	EA	17		
33	12"x6" DI MJ Tee	EA	9		
34	12"x8" DI MJ Tee	EA	1		
35	12"x12" DI MJ Tee	EA	1		
36	12" MJ Adapter	EA	10		
37	12"x10" DI MJ Reducer	EA	10		
38	12"x16" DI MJ Reducer	EA	4		
39	16" MJ Adapter	EA	4		
40	6" DI MJ Plug	EA	1		
41	8" DI MJ Plug	EA	4		
42	10" DI MJ Plug	EA	1		

No.	Description	Unit	Quantity	Unit Price	Item Price
43	12" DI MJ Plug	EA	3		
44	8"x8" DI MJ Tee	EA	1		
45	10"x10" DI MJ Tee	EA	1		
46	10"x8" DI MJ Tee	EA	2		
47	Below Ground 2" Manual Air Release Valve/Flushing Assembly and Sample Test Tap	EA	18		
48	Fire Hydrant Assembly	EA	10		
49	6" DIP Fire Hydrant Leads	LF	60		
50	Temp Sample Tap	EA	10		
51	Connect to 12" Existing Watermain at intersection of Floyd Street and Greys Highway via a 12"x12" Cut in Tee	LS	1		
52	Connect into Jimmy Misson Water Reclamation Facility	LS	1		
53	Mill and Resurface 2" of Asphalt on SCDOT Roadway (restoration)	SY	12,858		
54	Full Asphalt Replacement	SY	2,956		
55	Remove and Replace Gravel Driveways (restoration)	SY	64		
56	Remove and Replace Asphalt Driveways (restoration)	SY	1,229		
57	Remove and Replace Concrete Driveways (restoration)	SY	148		
58	Concrete Sidewalk Replacement	SY	23		
59	Brick Sidewalk Replacement	SY	9		
60	Remove and Replace Curb and Gutter (restoration)	LF	250		
61	Existing Poles and Signs (Utility, Street, Traffic, Pylon, etc.) to be Supported, Protected and Preserved during Utility Installation	LS	1		
62	Regrading and Restoration of Existing Drainage Swales, Ditches and Ground Surface	LS	1		
63	Stabilization - Hydroseeding (restoration)	SY	30,000		
64	Installation of Forcemain/Water Warning Sign	EA	12		

65	CSX Jack and Bore Pit (25' depth)	EA	2		
66	West Main Street Jack and Bore Pit	EA	2		
67	CSX Agreement Costs (Allowance)	LS	1	\$50,000.00	
68	A-3 Fill (Unsuitable Soil Replacement)	CY	100		
69	As-Built Documents and Drawings	LS	1		
TOTAL					

Total Base Bid Project Cost (Items 1 through 69): \$ _____

The Total Base Bid Project Cost (Items 1 through 69 (in words):

_____ dollars and _____ cents.

Alternative #1

Installation of 10" forcemain pipe from East Willson Street right-of-way to Jimmy Mixson Water Reclamation Facility, via a combination of open cut trenching, and horizontal directional drilling along two locations.

No.	Description	Unit	Quantity	Unit Price	Item Price
1	10" PVC (DR18) Forcemain by Open Cut, with Select Backfill	LF	355		
2	10" FPCV (DR18) Forcemain by Horizontal Directional Drilling	LF	550		
3	Connect into Jimmy Mixson Water Reclamation Facility	LS	1		
4	10" MJ Gate Valve with Box and Cover	EA	1		
5	Below Ground 2" Manual Air Release Valve and Precast Concrete Valve Vault	EA	1		
6	10" DI MJ 45° Bend	EA	10		
7	10" DI MJ 11.25° Bend	EA	3		
TOTAL					

Total Alternative #1 Project Cost (Item 1): \$ _____

The Total Alternative #1 Project Cost (Item 1) (in words):

_____dollars and _____cents.

B. Bidder acknowledges that:

1. Each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and
2. Estimated quantities are not guaranteed and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.

ARTICLE 4—TIME OF COMPLETION

- 4.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 4.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 5—BIDDER'S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA

5.01 *Bid Acceptance Period*

- A. This Bid will remain subject to acceptance for 90 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

5.02 *Instructions to Bidders*

- A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.

5.03 *Receipt of Addenda*

- A. Bidder hereby acknowledges receipt of the following Addenda:

[NOTE TO BIDDER: INSERT ADDENDA NUMBER IN THE TABLE BELOW TO ACKNOWLEDGE RECEIPT OF ADDENDA (IF ANY).]

Addendum Number	Addendum Date

ARTICLE 6—BIDDER'S REPRESENTATIONS AND CERTIFICATIONS

6.01 *Bidder's Representations*

- A. In submitting this Bid, Bidder represents the following:
1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
 2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
 3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
 4. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder's (Contractor's) safety precautions and programs.
 5. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
 6. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
 7. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
 8. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
 9. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

6.02 *Bidder's Certifications*

- A. The Bidder certifies the following:
1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.
 2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
 3. Bidder has not solicited or induced any individual or entity to refrain from bidding.

4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 6.02.A:
 - a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
 - b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
 - c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
 - d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

[NOTE TO BIDDER: COMPLETE ENTIRE PAGE BELOW]

BIDDER hereby submits this Bid as set forth above:

Bidder:

(typed or printed name of organization)

By: _____
(individual's signature)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Date: _____
(typed or printed)

If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.

Attest: _____
(individual's signature)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Date: _____
(typed or printed)

Address for giving notices:

Bidder's Contact:

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Phone: _____

Email: _____

Address: _____

Bidder's Contractor License No.: _____

00451 QUALIFICATIONS STATEMENT

ARTICLE 1—GENERAL INFORMATION

1.01 Provide contact information for the Business:

Legal Name of Business:			
Corporate Office			
Name:		Phone number:	
Title:		Email address:	
Business address of corporate office:			
Local Office			
Name:		Phone number:	
Title:		Email address:	
Business address of local office:			

1.02 Provide information on the Business's organizational structure:

Form of Business:	☐ Sole Proprietorship ☐ Partnership ☐ Corporation		
☐ Limited Liability Company ☐ Joint Venture comprised of the following companies:			
1.			
2.			
3.			
Provide a separate Qualification Statement for each Joint Venturer.			
Date Business was formed:		State in which Business was formed:	
Is this Business authorized to operate in the Project location?		☐ Yes ☐ No ☐ Pending	

- 1.03 Identify all businesses that own Business in whole or in part (25% or greater), or that are wholly or partly (25% or greater) owned by Business:

Name of business:		Affiliation:	
Address:			
Name of business:		Affiliation:	
Address:			
Name of business:		Affiliation:	
Address:			

- 1.04 Provide information regarding the Business's officers, partners, and limits of authority.

Name:		Title:	
Authorized to sign contracts: ☐ Yes ☐ No		Limit of Authority:	\$
Name:		Title:	
Authorized to sign contracts: ☐ Yes ☐ No		Limit of Authority:	\$
Name:		Title:	
Authorized to sign contracts: ☐ Yes ☐ No		Limit of Authority:	\$
Name:		Title:	

ARTICLE 2—LICENSING

- 2.01 Provide information regarding licensure for Business:

Name of License:			
Licensing Agency:			
License No:		Expiration Date:	
Name of License:			
Licensing Agency:			
License No:		Expiration Date:	

ARTICLE 3—DIVERSE BUSINESS CERTIFICATIONS

- 3.01 Provide information regarding Business's Diverse Business Certification, if any. Provide evidence of current certification.

Certification	Certifying Agency	Certification Date
☐ Disadvantaged Business Enterprise		
☐ Minority Business Enterprise		
☐ Woman-Owned Business Enterprise		
☐ Small Business Enterprise		
☐ Disabled Business Enterprise		
☐ Veteran-Owned Business Enterprise		
☐ Service-Disabled Veteran-Owned Business		
☐ HUBZone Business (Historically Underutilized) Business		
☐ Other		
☐ None		

ARTICLE 4—SAFETY

- 4.01 Provide information regarding Business's safety organization and safety performance.

Name of Business's Safety Officer:		
Safety Certifications		
Certification Name	Issuing Agency	Expiration

- 4.02 Provide Worker's Compensation Insurance Experience Modification Rate (EMR), Total Recordable Frequency Rate (TRFR) for incidents, and Total Number of Recorded Manhours (MH) for the last 3 years and the EMR, TRFR, and MH history for the last 3 years of any proposed Subcontractor(s) that will provide Work valued at 10% or more of the Contract Price. Provide documentation of the EMR history for Business and Subcontractor(s).

Year									
Company	EMR	TRFR	MH	EMR	TRFR	MH	EMR	TRFR	MH

ARTICLE 5—FINANCIAL

- 5.01 Provide information regarding the Business's financial stability. Provide the most recent audited financial statement, and if such audited financial statement is not current, also provide the most current financial statement.

Financial Institution:			
Business address:			
Date of Business's most recent financial statement:		☐ Attached	
Date of Business's most recent audited financial statement:		☐ Attached	
Financial indicators from the most recent financial statement			
Contractor's Current Ratio (Current Assets ÷ Current Liabilities)			
Contractor's Quick Ratio ((Cash and Cash Equivalents + Accounts Receivable + Short Term Investments) ÷ Current Liabilities)			

ARTICLE 6—SURETY INFORMATION

- 6.01 Provide information regarding the surety company that will issue required bonds on behalf of the Business, including but not limited to performance and payment bonds.

Surety Name:			
Surety is a corporation organized and existing under the laws of the state of:			
Is surety authorized to provide surety bonds in the Project location?	☐ Yes ☐ No		
Is surety listed in "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" published in Department Circular 570 (as amended) by the Bureau of the Fiscal Service, U.S. Department of the Treasury? ☐ Yes ☐ No			
Mailing Address (principal place of business):			
Physical Address (principal place of business):			
Phone (main):		Phone (claims):	

ARTICLE 7—INSURANCE

- 7.01 Provide information regarding Business's insurance company(s), including but not limited to its Commercial General Liability carrier. Provide information for each provider.

Name of insurance provider, and type of policy (CLE, auto, etc.):			
Insurance Provider		Type of Policy (Coverage Provided)	
Are providers licensed or authorized to issue policies in the Project location?			☐ Yes ☐ No
Does provider have an A.M. Best Rating of A-VII or better?			☐ Yes ☐ No
Mailing Address (principal place of business):			
Physical Address (principal place of business):			
Phone (main):		Phone (claims):	

ARTICLE 8—CONSTRUCTION EXPERIENCE

- 8.01 Provide information that will identify the overall size and capacity of the Business.

Average number of current full-time employees:	
Estimate of revenue for the current year:	
Estimate of revenue for the previous year:	

- 8.02 Provide information regarding the Business's previous contracting experience.

Years of experience with projects like the proposed project:			
As a general contractor:		As a joint venturer:	
Has Business, or a predecessor in interest, or an affiliate identified in Paragraph 1.03:			
Been disqualified as a bidder by any local, state, or federal agency within the last 5 years? ☐ Yes ☐ No			
Been barred from contracting by any local, state, or federal agency within the last 5 years? ☐ Yes ☐ No			
Been released from a bid in the past 5 years? ☐ Yes ☐ No			
Defaulted on a project or failed to complete any contract awarded to it? ☐ Yes ☐ No			
Refused to construct or refused to provide materials defined in the contract documents or in a change order? ☐ Yes ☐ No			
Been a party to any currently pending litigation or arbitration? ☐ Yes ☐ No			
Provide full details in a separate attachment if the response to any of these questions is Yes.			

- 8.03 List all projects currently under contract in Schedule A and provide indicated information.
- 8.04 List a minimum of three and a maximum of six projects completed in the last 5 years in Schedule B and provide indicated information to demonstrate the Business's (or subcontractors) experience with projects similar in type and cost of construction.
- 8.05 In Schedule C, provide information on key individuals whom Business (or subcontractors) intends to assign to the Project. Provide resumes for those individuals included in Schedule C. Key individuals include the Project Manager, Project Superintendent, Quality Manager, and Safety Manager. Resumes may be provided for Business's key leaders as well.

ARTICLE 9—REQUIRED ATTACHMENTS

- 9.01 Provide the following information with the Statement of Qualifications:
 - A. If Business is a Joint Venture, separate Qualifications Statements for each Joint Venturer, as required in Paragraph 1.02.
 - B. Diverse Business Certifications if required by Paragraph 3.01.
 - C. Certification of Business's safety performance if required by Paragraph 4.02.
 - D. Financial statements as required by Paragraph 5.01.
 - E. Attachments providing additional information as required by Paragraph 8.02.
 - F. Schedule A (Current Projects) as required by Paragraph 8.03.
 - G. Schedule B (Previous Experience with Similar Projects) as required by Paragraph 8.04, including subcontractors' separate pages from prime contractor for the following scope of work:
 - 1. Watermain installation
 - 2. Sanitary forcemain installation
 - 3. Jack and bore construction
 - 4. Horizontal directional drilling construction
 - 5. Traffic control management
 - 6. Roadway milling, repaving, and striping
 - H. Schedule C (Key Individuals) and resumes for the key individuals listed, as required by Paragraph 8.05, including subcontractors' separate pages from prime contractor for the following scope of work:
 - 1. Watermain installation
 - 2. Sanitary forcemain installation
 - 3. Jack and bore construction
 - 4. Horizontal directional drilling construction
 - 5. Traffic control management
 - 6. Roadway milling, repaving, and striping
 - I. Additional items as pertinent.

This Statement of Qualifications is offered by:

Business:

(typed or printed name of organization)

By:

(individual's signature)

Name:

(typed or printed)

Title:

(typed or printed)

Date:

(date signed)

(If Business is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest:

(individual's signature)

Name:

(typed or printed)

Title:

(typed or printed)

Address for giving notices:

Designated Representative:

Name:

(typed or printed)

Title:

(typed or printed)

Address:

Phone:

Email:

Schedule A—Current Projects

Name of Organization					
Project Owner			Project Name		
General Description of Project					
Project Cost			Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager	
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Project Owner			Project Name		
General Description of Project					
Project Cost			Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager	
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Project Owner			Project Name		
General Description of Project					
Project Cost			Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager	
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Schedule B—Previous Experience with Similar Projects

Name of Organization					
Project Owner			Project Name		
General Description of Project					
Project Cost			Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager	
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Project Owner			Project Name		
General Description of Project					
Project Cost			Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager	
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Project Owner			Project Name		
General Description of Project					
Project Cost			Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager	
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Schedule B—Previous Experience with Similar Projects

Name of Organization					
Project Owner			Project Name		
General Description of Project					
Project Cost			Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager	
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Project Owner			Project Name		
General Description of Project					
Project Cost			Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager	
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Project Owner			Project Name		
General Description of Project					
Project Cost			Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager	
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Schedule C—Key Individuals

Project Manager			
Name of individual			
Years of experience as project manager			
Years of experience with this organization			
Number of similar projects as project manager			
Number of similar projects in other positions			
Current Project Assignments			
Name of assignment		Percent of time used for this project	Estimated project completion date
Reference Contact Information (listing names indicates approval to contact named individuals as a reference)			
Name		Name	
Title/Position		Title/Position	
Organization		Organization	
Telephone		Telephone	
Email		Email	
Project		Project	
Candidate's role on project		Candidate's role on project	
Project Superintendent			
Name of individual			
Years of experience as project superintendent			
Years of experience with this organization			
Number of similar projects as project superintendent			
Number of similar projects in other positions			
Current Project Assignments			
Name of assignment		Percent of time used for this project	Estimated project completion date
Reference Contact Information (listing names indicates approval to contact named individuals as a reference)			
Name		Name	
Title/Position		Title/Position	
Organization		Organization	
Telephone		Telephone	
Email		Email	
Project		Project	
Candidate's role on project		Candidate's role on project	

Safety Manager			
Name of individual			
Years of experience as project manager			
Years of experience with this organization			
Number of similar projects as project manager			
Number of similar projects in other positions			
Current Project Assignments			
Name of assignment		Percent of time used for this project	Estimated project completion date
Reference Contact Information (listing names indicates approval to contact named individuals as a reference)			
Name		Name	
Title/Position		Title/Position	
Organization		Organization	
Telephone		Telephone	
Email		Email	
Project		Project	
Candidate's role on project		Candidate's role on project	
Quality Control Manager			
Name of individual			
Years of experience as project superintendent			
Years of experience with this organization			
Number of similar projects as project superintendent			
Number of similar projects in other positions			
Current Project Assignments			
Name of assignment		Percent of time used for this project	Estimated project completion date
Reference Contact Information (listing names indicates approval to contact named individuals as a reference)			
Name		Name	
Title/Position		Title/Position	
Organization		Organization	
Telephone		Telephone	
Email		Email	
Project		Project	
Candidate's role on project		Candidate's role on project	

00520 AGREEMENT BETWEEN OWNER AND CONTRACTOR FOR CONSTRUCTION CONTRACT (STIPULATED PRICE)

This Agreement is by and between **Town of Ridgeland** ("Owner") and _____ **[name of contracting entity]** ("Contractor").

Terms used in this Agreement have the meanings stated in the General Conditions and the Supplementary Conditions.

Owner and Contractor hereby agree as follows:

ARTICLE 1—WORK

1.01 Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows: Gravity Sewer Rehabilitation.

ARTICLE 2—THE PROJECT

2.01 The Project, of which the Work under the Contract Documents is a part, is generally described as follows:

1. Mobilization/Demobilization, General Requirements, Bonds and Insurance.
2. Contractor is responsible for protecting existing materials, structures, and equipment on-site during construction activities.

3. Utility Work

- Install approximately 9,941 linear feet (LF) of new 12" watermain PVC DR18 by open cut.
- Install approximately 11,732 linear feet (LF) of new 10" forcemain PVC DR18 by open cut
- Install approximately 2,199 LF of new 12-inch forcemain HDPE DR-11 by horizontal directional drill (HDD).
- Install approximately 341 LF of new 16-inch watermain HDPE DR-11 by horizontal directional drill (HDD).
- Install approximately 310 linear feet (LF) of new 10" forcemain PVC DR18 by jack and bore
- Tie in of 10-inch forcemain into existing wastewater system at Jimmy Mixson Water Reclamation Facility.
- Install associated fittings, valves, and accessories with new forcemain installation as indicated on construction plans.
- Complete restoration of roadway, driveways, fencing, and vegetation as necessary for installation of forcemain and watermain.
- Complete maintenance of traffic as necessary for installation of forcemain and watermain.
- Complete soil erosion and sediment control as necessary for installation of forcemain and watermain.

ARTICLE 3—ENGINEER

- 3.01 The Owner has retained Four Waters Engineering, Inc. (“Engineer”) to act as Owner’s representative, assume all duties and responsibilities of Engineer, and have the rights and authority assigned to Engineer in the Contract.
- 3.02 The part of the Project that pertains to the Work has been designed by the Engineer.

ARTICLE 4—CONTRACT TIMES

4.01 *Time is of the Essence*

- A. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

4.03 *Contract Times: Days*

- A. The watermain installation shall be substantially complete in **245** days. The work for both watermain and forcemain will be substantially complete within **365** days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions and completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within **395** days after the date when the Contract Times commence to run.

4.05 *Liquidated Damages*

- A. Contractor and Owner recognize that time is of the essence as stated in Paragraph 4.01 above and that Owner will suffer financial and other losses if the Work is not completed and Milestones not achieved within the Contract Times, as duly modified. The parties also recognize the delays, expense, and difficulties involved in proving, in a legal or arbitration proceeding, the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty):
1. *Substantial Completion:* Contractor shall pay Owner **\$1,000.00** for each day that expires after the time (as duly adjusted pursuant to the Contract) specified above for Substantial Completion, until the Work is substantially complete.
 2. *Completion of Remaining Work:* After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times (as duly adjusted pursuant to the Contract) for completion and readiness for final payment, Contractor shall pay Owner **\$1,000.00** for each day that expires after such time until the Work is completed and ready for final payment.
 4. Liquidated damages for failing to timely attain Milestones, Substantial Completion, and final completion are not additive, and will not be imposed concurrently.
- B. If Owner recovers liquidated damages for a delay in completion by Contractor, then such liquidated damages are Owner’s sole and exclusive remedy for such delay, and Owner is precluded from recovering any other damages, whether actual, direct, excess, or consequential, for such delay, except for special damages (if any) specified in this Agreement.

ARTICLE 5—CONTRACT PRICE

5.01 Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents, the amounts that follow, subject to adjustment under the Contract:

A. For all Work, at the prices stated in Contractor's Bid, attached hereto as an exhibit.

ARTICLE 6—PAYMENT PROCEDURES

6.01 *Submittal and Processing of Payments*

A. Contractor shall submit Applications for Payment in accordance with Article 15 of the General Conditions. Applications for Payment will be processed by Engineer as provided in the General Conditions.

6.02 *Progress Payments; Retainage*

A. Owner shall make progress payments on the basis of Contractor's Applications for Payment on or about the **25th** day of each month during performance of the Work as provided in Paragraph 6.02.A.1 below, provided that such Applications for Payment have been submitted in a timely manner and otherwise meet the requirements of the Contract. All such payments will be measured by the Schedule of Values established as provided in the General Conditions (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no Schedule of Values, as provided elsewhere in the Contract.

1. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as Owner may withhold, including but not limited to liquidated damages, in accordance with the Contract.

a. **95** percent of the value of the Work completed (with the balance being retainage).

b. **95** percent of cost of materials and equipment not incorporated in the Work (with the balance being retainage).

B. Upon Substantial Completion, Owner shall pay an amount sufficient to increase total payments to Contractor to **100** percent of the Work completed, less such amounts set off by Owner pursuant to Paragraph 15.01.E of the General Conditions, and less **200** percent of Engineer's estimate of the value of Work to be completed or corrected as shown on the punch list of items to be completed or corrected prior to final payment.

6.03 *Final Payment*

A. Upon final completion and acceptance of the Work, Owner shall pay the remainder of the Contract Price in accordance with Paragraph 15.06 of the General Conditions.

6.04 *Consent of Surety*

A. Owner will not make final payment, or return or release retainage at Substantial Completion or any other time, unless Contractor submits written consent of the surety to such payment, return, or release.

ARTICLE 7—CONTRACT DOCUMENTS

7.01 *Contents*

- A. The Contract Documents consist of all of the following:
 - 1. This Agreement.
 - 2. Bonds:
 - a. Performance bond (together with power of attorney).
 - b. Payment bond (together with power of attorney).
 - 3. General Conditions.
 - 4. Supplementary Conditions.
 - 5. Specifications as listed in the table of contents of the project manual.
 - 6. Drawings (not attached but incorporated by reference) consisting of 51 sheets with each sheet bearing the following general title: Sewer Resiliency Improvements – Gravity Sewer Rehabilitation.
 - 8. Addenda (numbers **one (1)** to _____, inclusive).
 - 9. Exhibits to this Agreement (enumerated as follows):
 - a. Contractor's Bid.
 - b. A written statement that Bidder is authorized to do business in the state where the Project is located.
 - c. Copy of Bidder's state or other contractor license.
 - d. Subcontractor and Supplier qualification information.
 - 10. The following which may be delivered or issued on or after the Effective Date of the Contract and are not attached hereto:
 - a. Notice to Proceed.
 - b. Work Change Directives.
 - c. Change Orders.
 - d. Field Orders.
 - e. Warranty Bond, if any.
- B. The Contract Documents listed in Paragraph 7.01.A are attached to this Agreement (except as expressly noted otherwise above).
- C. There are no Contract Documents other than those listed above in this Article 7.
- D. The Contract Documents may only be amended, modified, or supplemented as provided in the Contract.

ARTICLE 8—REPRESENTATIONS, CERTIFICATIONS, AND STIPULATIONS

8.01 Contractor's Representations

- A. In order to induce Owner to enter into this Contract, Contractor makes the following representations:
1. Contractor has examined and carefully studied the Contract Documents, including Addenda.
 2. Contractor has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
 3. Contractor is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
 4. Contractor has considered the information known to Contractor itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor; and (c) Contractor's safety precautions and programs.
 5. Based on the information and observations referred to in the preceding paragraph, Contractor agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
 6. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.
 7. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
 8. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
 9. Contractor's entry into this Contract constitutes an incontrovertible representation by Contractor that without exception all prices in the Agreement are premised upon performing and furnishing the Work required by the Contract Documents.

8.02 Contractor's Certifications

- A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract. For the purposes of this Paragraph 8.02:

1. “corrupt practice” means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process or in the Contract execution;
2. “fraudulent practice” means an intentional misrepresentation of facts made (a) to influence the bidding process or the execution of the Contract to the detriment of Owner, (b) to establish Bid or Contract prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish Bid prices at artificial, non-competitive levels; and
4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

8.03 *Standard General Conditions*

- A. Owner stipulates that if the General Conditions that are made a part of this Contract are EJCDC® C-700, Standard General Conditions for the Construction Contract (2018), published by the Engineers Joint Contract Documents Committee, and if Owner is the party that has furnished said General Conditions, then Owner has plainly shown all modifications to the standard wording of such published document to the Contractor, through a process such as highlighting or “track changes” (redline/strikeout), or in the Supplementary Conditions.

IN WITNESS WHEREOF, Owner and Contractor have signed this Agreement.

This Agreement will be effective on **[indicate date on which Contract becomes effective]** (which is the Effective Date of the Contract).

Owner:

Town of Ridgeland

(typed or printed name of organization)

By:

(individual's signature)

Date:

(date signed)

Name: Dennis E. Averkin

(typed or printed)

Title: Town Administrator

(typed or printed)

Attest:

(individual's signature)

Title:

(typed or printed)

Address for giving notices:

Designated Representative:

Name:

(typed or printed)

Title:

(typed or printed)

Address:

Phone:

Email:

(If [Type of Entity] is a corporation, attach evidence of authority to sign. If [Type of Entity] is a public body, attach evidence of authority to sign and resolution or other documents authorizing execution of this Agreement.)

Contractor:

(typed or printed name of organization)

By:

(individual's signature)

Date:

(date signed)

Name:

(typed or printed)

Title:

(typed or printed)

(If [Type of Entity] is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest:

(individual's signature)

Title:

(typed or printed)

Address for giving notices:

Designated Representative:

Name:

(typed or printed)

Title:

(typed or printed)

Address:

Phone:

Email:

License No.:

(where applicable)

State:

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SECTION 01025
MEASUREMENT AND PAYMENT

A. GENERAL

1. The CONTRACTOR shall receive and accept the compensation provided in the Proposal and the Contract as full payment for furnishing all materials, labor, tools and equipment, for performing all operations necessary to complete the work under the Contract, and also in full payment for all loss or damages arising from the nature of the work, or from any discrepancy between the actual quantities of work and quantities herein estimated by the Engineer, or from the action of the elements or from any unforeseen difficulties which may be encountered during the prosecution of the work until the final acceptance by the OWNER.
2. The prices stated in the proposal include all costs and expenses for taxes, labor, equipment, materials, commissions, transportation charges and expenses, patent fees and royalties, labor for handling materials during inspection, together with any and all other costs and expenses for performing and completing the work as shown on the Drawings and specified herein. The basis of payment for an item at the unit price shown in the proposal shall be in accordance with the description of that item in this Section.
3. The CONTRACTOR's attention is called to the fact that the quotations for the various items of work are intended to establish a total price for completing the work in its entirety. Should the CONTRACTOR feel that the cost for any item of work has not been established by the Bid Form or Payment Items, he shall include the cost for that work in some other applicable bid item, so that his proposal for the project does reflect his total price for completing the work in its entirety.

B. MEASUREMENT

1. The quantities for payment under this Contract shall be determined by actual measurement of the completed items, in place, ready for service and accepted by the OWNER, in accordance with the applicable method of measurement therefor contained herein. A representative of the CONTRACTOR and OWNER shall witness all field measurements.

C. WORK ITEMS NOT PAID FOR SEPARATELY

1. Color Audio-Video Recording: Measurement for pre-construction color audio-video recording will not be made for payment and all items shall be included in the unit price of project unit items installed.
2. Construction Photographs: Measurement for construction photographs will not be made for payment and all items shall be included in the unit price of project unit items installed.
3. Contractor Storage Site / Lay Down Yard / Temporary Office: Measurement for Contractor Storage Site / Lay Down Yard / Temporary Office will not be made for payment and all items shall be included in the unit price of project unit items installed.
4. Regular Excavation: Measurement for regular excavation will not be made for payment and all items shall be included in the unit price of project unit items installed.

5. Dewatering: Measurement for dewatering operations necessary for construction will not be made for payment and all items shall be included in the unit price of project unit items installed.
6. Stabilization: Measurement for stabilization operations necessary for construction will not be made for payment and all items shall be included in the unit price of project unit items installed.
7. Community Outreach: Payment for public dissemination of information regarding road closure, detours, work zones or other announcements, via print, digital, signage or other means is to be included with the unit price of the associated work and will not be paid separately.
8. Miscellaneous Work Items: Measurement for miscellaneous work items such as mobilization / demobilization, payment and performance bonds, testing and reporting, temporary fencing, temporary facilities, and other items not specifically listed in the Bid Proposal Form will not be made for payment and all items shall be included in the unit price of project unit items installed.

PAY ITEMS

1. CONTRACTOR GENERAL CONDITIONS

Under this item, the Work shall consist of the preparatory work and operations for the assembling and the setting up necessary for the project, such as storage areas, sanitary facilities, field offices, moving in of personnel and equipment as required by the Specifications. Payment will be made on a lump sum basis for bonding and insurance not to exceed five percent (5%) of the total Bid Amount.

- a. Under this item, the Contractor shall include the cost of all bonding, insurance and benefit required for the execution of the Work.
- b. Under this item, the Contractor shall include the cost of all mobilization and demobilization required for the execution of the Work.

2. MAINTENANCE OF TRAFFIC (TRAFFIC AND PEDISTRIAN CONTROL)

Measurement and payment of this item is lump sum and includes all items of work or material required to maintain pedestrian and vehicular traffic per SC DOT standards including but not limited to temporary signing, barriers, drums or markers, flagging/flaggers, warning lights/flashers, lighted sign boards, safety ropes, temporary striping, temporary tape, temporary walkway/sidewalk, and other materials as necessary to maintain the traffic control detour. Also included is furnishing, installing and maintaining a Traffic Control Plan, control and safety devices, control of dust, temporary crossing structures over trenches, any necessary detour facilities, and other special requirements for the safe and expeditious movements of traffic, including vehicular, bicycle, and pedestrian.

Two (2) temporary electronic signs shall be provided per work zone area, two (2) weeks prior to commencement of work, alerting residents of upcoming work or traffic pattern changes shall be provided for this item. These signs will be updated once construction activities commence to provide information about closures, delays, anticipated construction duration, or other pertinent information to residents, and will be used in conjunction with temporary signage. These signs will be located on either side of the planned work zone, and between 500-1,500 feet from the planned work zone. These signs shall remain in place until construction activities are completed within the work zone, at which time they can be relocated (if necessary).

Payment will be made based on a percentage of the total work completed.

3. SEDIMENTARY AND EROSION CONTROL MEASURES

Measurement and payment of these items are based on the Bid Proposal Form and includes all items of work to comply with NPDES best management practices to prevent runoff from project site and includes all work outlined in the project general notes and erosion control drawings and details shown in the plans. Payment will be made based on quantities installed, which includes (but not limited to) the following.

- a. Silt Fence
- b. Check Dams
- c. Inlet Protection

Ongoing maintenance to maintain these measures are to be included within the cost, as no additional payment will be made for upkeep of sedimentary and erosion control measures.

4. TREE TRIMMING OPERATIONS

Measurement and payment of this item is lump sum for any tree trimming activities and the demolition of operations. Payment shall be full compensation for all equipment, labor, materials, and tools necessary for the any tree trimming activities, tree removal, and demolition of operations, in accordance with the Contract Drawings and Details. Payment will be made based on a percentage of work complete.

5. PRESSURE PIPING, APPURTENANCES AND CONNECTIONS (VARIES BY MATERIAL , TYPE, SIZE)

Measurement and payment for this item shall be per linear foot (LF) or each (ea.) appurtenance installed and will be full compensation for providing materials, equipment and installation necessary for all piping installed by open cut, jack and bore or HDD, fittings, valves and valve assemblies, and associated accessories of the various types, sizes and materials noted on the contract documents for piping systems installed. Item includes all appropriate jointing materials and mechanical restraints; markers; nuts, bolts, socket clamps, sleeves; all valves, required actuator (operating nut and stem extension (if applicable)); valve box and cover, valve tags; all piping and fittings; air release valves and piping and assemblies; dewatering; backfilling material; laying and jointing pipe; pressure and leakage testing; all sheeting, shoring and bracing required to maintain excavations in a safe condition; protecting existing structures, utilities and property both public and private; furnishing and installing locate wiring, locate wire test stations, locate wire-related appurtenances and locate wire testing; furnishing all material, labor, tools, and equipment and all incidental and related work required to complete the work of the item.

Flowable fill shall be utilized as backfill within all open cuts across or within South Carolina Department of Transportation owned roadways. Payment will be based on pipe length or appurtenance installed as provided on the Bid Proposal Form.

6. 24" STEEL CASING PIPE AND ACCESSORIES

Payment will be made on a linear foot basis for all equipment, labor, material, and tools necessary for the installation of casing by jack and bore. Measurement shall be made along the horizontal projection of the center line of the casing. Payment for the work will be made at the Contract unit price and shall be full compensation for the items of work, complete, including casing pipe; casing spacers and end caps (if required); locate wiring (if require); excavation; dewatering; backfill and compacting, and all incidental work required to complete the work including all materials, labor, tools and equipment.

7. CONNECT TO 12" EXISTING WATERMAIN AT INTERSECTION OF FLOYD STREET AND GREYS HIGHWAY.

Measurement and payment of this item is lump sum and includes all items of work to connect the existing watermain and proposed watermain, along with any required disconnections. Payment shall be full compensation for furnishing all material, labor, tools, and equipment and all incidental and related work required to complete the work of the item. necessary for the completion of this work, including fittings, valves and valve assemblies, and associated accessories of the various types, sizes and materials noted on the contract documents to tie-in to existing watermain, along with disconnections and reconnection of smaller watermain. Item includes all appropriate jointing materials and mechanical restraints; markers; nuts, bolts, socket clamps, sleeves; all valves, required actuator (operating nut and stem extension (if applicable)); valve box and cover, valve tags; all piping and fittings; dewatering; backfilling material; laying and jointing pipe; pressure and leakage testing; all sheeting, shoring and bracing required to maintain excavations in a safe condition; protecting existing structures, utilities and property both public and private; furnishing and installing locate wiring, locate wire test stations, locate wire-related appurtenances and locate wire testing. Payment will be made based on the lump sum price as provided within the Bid Proposal Form.

8. CONNECT INTO JIMMY MIXSON WATER RECLAMATION FACILITY

Measurement and payment of this item is lump sum and includes all items of work to connect the proposed forcemain into the sanitary sewer system located at Jimmy Mixson Water Reclamation Facility. Payment shall be full compensation for furnishing all material, labor, tools, and equipment and all incidental and related work necessary and required to complete the work of the item, including but not limited to fittings, valves and valve assemblies, and associated accessories of the various types, sizes and materials noted on the contract documents to tie-in to existing sewer system upstream of the influent pump station, including new polymer concrete saddle manhole and noted requirements. Item includes all appropriate jointing materials and mechanical restraints; markers; nuts, bolts, socket clamps, sleeves; all valves, required actuator (operating nut and stem extension (if applicable)); valve box and cover, valve tags; all piping and fittings; dewatering; backfilling material; laying and jointing pipe; pressure and leakage testing; all sheeting, shoring and bracing required to maintain excavations in a safe condition; protecting existing structures, utilities and property both public and private; furnishing and installing locate wiring, locate wire test stations, locate wire-related appurtenances and locate wire testing. It is anticipated that bypass pumping will be required for this activity, and its cost is to be included within the cost of this item, no additional payment will be made for bypass pumping. Payment will be made based on the lump sum price as provided within the Bid Proposal Form.

9. MILL AND RESURFACE TWO INCHES (2") OF ASPHALT ON SC DOT ROADWAY (RESTORATION)

Payment will be made on a unit price per square yard basis for all equipment, labor, material and tools necessary to mill existing asphalt roadway and install two inch (2") thick asphalt overlay with SC DOT type asphalt in accordance with Contract Drawings, Details and the SC DOT Encroachment Permit. **This operation is to be in conjunction with the Full Asphalt Replacement (below) and shall have no joints or seams along with being a continuous asphalt layer.**

Payment shall include all temporary and permanent pavement markings and striping as required

per SC DOT, (paint on secondary roads and thermoplastic on primary roads per SC DOT determination).

10. FULL ASPHALT REPLACEMENT

Payment will be made on a unit price per square yard basis for all equipment, labor, material and tools necessary to remove existing asphalt roadway as necessary for utility installation and install four inch (4") thick asphalt overlay with SC DOT type asphalt in accordance with Contract Drawings, Details and the SC DOT Encroachment Permit. **This overlay is required within the trench width for all utilities located within the paved SC DOT roadway surface.**

11. REMOVE AND REPLACE GRAVEL DRIVEWAY

Measurement for this item is square yards (SY) of driveway removed and replaced as a consequence of utility installation and includes all items or work for gravel driveway replacement accepted and installed in accordance with contract documents. This item is to include all necessary materials and equipment, compaction, vibrating (if required), removal, gravel, and testing as required per specification as specified in the contract documents. **Driveway replacement shall consist of eight inch (8") granular material, installed and compacted in two (2) lifts.** Payment will be made based on the unit price as provided within the Bid Proposal Form.

12. REMOVE AND REPLACE ASPHALT DRIVEWAY

Measurement for this item is square yards (SY) of driveway removed and replaced as a consequence of utility installation and includes all items or work for asphalt driveway replacement accepted and installed in accordance with contract documents. This item is to include all necessary materials and equipment, compaction, vibrating (if required), removal, basecourse, asphalt, milling and resurfacing, and testing as required per specification as specified in the contract documents. **Driveway replacement shall consist of six inch (6") aggregate base with two inches (2") of asphaltic concrete.** Payment will be made based on the unit price as provided within the Bid Proposal Form.

13. REMOVE AND REPLACE CONCRETE DRIVEWAY

Measurement for this item is square yards (SY) of driveway removed and replaced as a consequence of utility installation and includes all items or work for concrete driveway replacement accepted and installed in accordance with contract documents. This item is to include all necessary materials and equipment, compaction, vibrating (if required), removal, basecourse, asphalt, milling and resurfacing, and testing as required per specification as specified in the contract documents. **Driveway replacement shall consist of four inch (4") aggregate base with six inches (6") of concrete (4,000 psi minimum).** Payment will be made based on the unit price as provided within the Bid Proposal Form.

14. SIDEWALK REPLACEMENT

Measurement for this item is square yards (SY) and includes all items or work for sidewalk replacement, including 1) asphalt 2) concrete, 3) brick pavers accepted and installed in accordance with contract documents. This item is to include all necessary materials and equipment, compaction, vibrating (if required), removal, paver removal and storage, asphalt, concrete, milling and resurfacing, and testing as required per specification as specified in the contract documents. Payment will be made based on the unit price as provided within the Bid Proposal Form.

15. REMOVE AND REPLACE CURB AND GUTTER (RESTORATION)

Payment will be made on a unit price per linear foot basis for all equipment, labor, materials, and tools necessary for the construction of concrete curb and gutter, in accordance with the Contract Drawings, Details, and SC DOT requirements.

16. EXISTING POLES AND SIGNS TO BE SUPPORTED, PROTECTED AND PRESERVED DURING FORCEMAIN INSTALLATION

Payment will be made on a lump sum basis for all equipment labor, materials, and equipment necessary to support, protect and preserve existing poles and signs, including streetlights, traffic lights, utility poles, roadway and utility signs or other surface poles or signs within the forcemain construction zone. If these structures cannot remain in place during construction, they shall temporarily be removed (if possible), with the consent of owner of the structure.

For temporary removal, payment shall include reinstalling posts, or poles including, reflective sheeting signs, drilling for bolts/anchors, mounting brackets plates, hardware, concrete foundations, and all other appurtenances required to furnish and install new poles or signs in accordance with the Contract Drawings, Details, Owner's requirements, and the Manual on Uniform Traffic Control Devices. Payment will be made based on the lump sum price as provided within the Bid Proposal Form.

17. REGRADING AND RESTORATION OF EXISTING DRAINAGE SWALES, DITCHES, AND GROUND SURFACE

Payment will be made on a lump sum basis for all equipment labor, materials, and equipment necessary to restore the ground surface to its original elevation. This work includes placing, moving regrading, and compacting soils to achieve the original elevations and contours. This item shall be to provide such restoration to preconstruction or new condition and maintain it in good condition until final acceptance and approval. Payment will be made based on the lump sum price as provided within the Bid Proposal Form.

18. STABILIZATION – HYDROSEEDING (RESTORATION)

Payment will be made on a unit price per square yard basis for all equipment, labor, materials, and tools necessary to install permanent seeding to all disturbed areas within the project limits. Payment for this bid item shall include soil preparation, fine grading, and hydroseeding in accordance with the Construction Drawings, Details, and the SC DOT's requirements. Any areas disturbed by the contractor outside of the limits of construction as indicated by the Drawings will require soil preparation, fine grading, and hydroseeding at the contractor's expense.

19. INSTALLATION OF FORCEMAIN/WATERMAIN WARNING SIGN

Payment will be made per each item installed basis for all equipment labor, materials, and equipment, to furnish and install "DANGER UNDERGROUND FORCE/WATER MAIN" signage. Payment shall include posts, reflective sheeting signs, drilling for bolts/anchors, mounting brackets plates, hardware, concrete foundations, and all other appurtenances required to furnish and install signs in accordance with the Contract Documents, Permits or Inspector's instructions. Payment will be made based on each sign installed.

20. JACK AND BORE PITS

Measurement and payment for this item shall be per each (ea.) jack and bore pit excavated, as indicated on the Contract Documents, which are necessary to install casing/carrier pipe for the indicated pressure pipe. Provided depths are approximated, and Contractor is responsible for excavating enough to ensure jacking operations successfully install casing pipe at the correct

elevation. Costs include excavation; soil storage/removal; backfilling; compaction; all sheeting, shoring and bracing required to maintain excavations in a safe condition; protecting existing structures, utilities and property both public and private; dewatering; safe access into/out of the pit. Payment will be made on the unit price within the Proposed Bid Form and include all equipment labor, materials, and equipment.

21. CSX AGREEMENT COST

An allowance has been included with the Bid Proposal Form for Contractors usage in complying with CSX construction related requirements, per their Encroachment Agreement (Appendix E). This is subject to the Town's authorization, which will require a CSX invoice which may pertain to licenses, health and safety, inspections, surveying, railway protection and testing, flagging operations, signal/communication protection, and other unforeseen items, that CSX will require the Contractor to financially be responsible for.

22. A-3 FILL (UNSUITABLE SOIL REPLACEMENT)

Measurement for this item is per cubic yard installed and includes all items or work of A-3 Fill placed and accepted by the Engineer. This item is to include all necessary equipment for transport, placement, and compaction required per contract drawings and for the removal and disposal of unsuitable material and placement of A-3 soil. Payment will be made based on a per cubic yard of unsuitable soil removed and A-3 fill installed.

23. AS BUILT DOCUMENTS AND DRAWINGS

Payment will be made on a lump sum basis for all equipment labor, materials, and equipment necessary to produce As Built drawing of the items installed under this contract. All locations and elevations using State Plane Coordinates (Horizontal Datum NAD 83 and Vertical Datum NAVD 88) and be relative to the established surface survey bench mark and baseline stationing that is tied to existing, fixed and visible sight features as required herein must be permanently documented by the Contractor, on the As-Built Drawings using AutoCAD, with final submission being both the AutoCAD and a pdf file.

- a) The Contractor shall maintain at the construction site a complete set of field drawings for recording the as-built conditions. The Contractor shall compile and submit as-built data in accordance with the Project Record Documents requirements.
- b) As-Built data shall include Horizontal Directional Drill pipe installation information in plan and profile views in AutoCAD format with X, Y, and Z coordinates in Florida State Plane East Zone Coordinates (Horizontal Datum NAD 83 and Vertical Datum NAVD 88).
- c) Directional Drill Bore Log shall be provided as part of the As-Built documentation and shall show recorded X, Y, and Z locations of the drill head at minimum every 20 feet in the AutoCAD format documentation.
- d) Jack and Bore casing and carrier pipe information shall be provided as part of the As-Built documentation and shall show depth, slope (if present), material, spacers distance, and end covers.

END OF SECTION 01025

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SECTION 02660 PRESURE PIPING SYSTEM

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. The Contractor shall furnish and install a pressure pipe and/or sanitary forcemain piping system, complete, tested and ready for operation. The work shall also include such connections, reconnections, temporary service and all other provisions in regard to the existing operation and modification as is required to perform the new work. All references to Industry Standards (ASTM, ANSI, AWWA, etc.) shall be to the latest revision unless otherwise stated. Only those materials included in the Town of Ridgeland Standard Water and Sewer Specifications, details and testing shall be installed, unless otherwise approved by Owner or Engineer. All materials shall be new unless specifically called for otherwise.

B. Shop Drawing Submittals

Complete shop drawings, actual catalog data, brochures and descriptive literature will be required and shall meet the requirements of the Town of Ridgeland Water and Sewer Standards. Submittals shall be in accordance with Section 01340: Shop Drawings, Working Drawings, and Samples. The Engineer may at any time require the Contractor to provide a complete detailed shop drawing submittal for any material which may, in the Engineer's opinion, not be in compliance with the Town of Ridgeland Water and Sewer Standards.

1. The Contractor shall make submittals in the format(s) noted in Section 01340: Shop Drawings, Working Drawings, and Samples for the approval of the Engineer.
2. The Contractor shall submit all drawings and schedules sufficiently in advance of construction requirements to allow ample time for checking, correcting, resubmitting, and rechecking; no claim by the Contractor for delays arising from his failure in this respect shall be allowed.
3. All shop drawings submitted must bear the stamp of approval of the Contractor as evidence that the drawings have been checked by the Contractor. Any drawings without this stamp of approval shall not be considered and will be returned to the Contractor for resubmission. If documents vary from the requirements of the Contract Documents because of standard shop practice or other reason, the Contractor shall make mention in such letter of variation in his letter of transmittal in order that, if acceptable, suitable action may be taken for proper adjustment; otherwise, the Contractor shall not be relieved of the responsibility of executing the work in accordance with the Contract Documents even though such shop drawings have been approved.
4. Where a shop drawing is submitted by the Contractor indicates a departure from the Contract which the Engineer deems to be a minor adjustment in the interest of the Town and which does not involve a change in Contract Price or extension of time, the Engineer will approve the drawings.
5. The approval by the Engineer of shop drawings will be general and shall not relieve the Contractor from the responsibility for inherent error which may exist.

PART 2 – PRODUCTS

2.1 MATERIALS

- A. All material shall be free from defects impairing strength and durability, shall be of the best commercial quality for the purpose specified, and shall have structural properties sufficient to safely

sustain or withstand strains and stresses to which it is normally subjected and be true to detail.

B. Pipe

Pipe for pressure lines in sizes up to and including 48 inches shall be ductile iron, or polyvinyl chloride (PVC) as shown on the drawings and as herein specified. Pipe for pressure lines larger than 48 inches shall be ductile iron. Pipe to be used as a casing in sizes 4 inches and larger shall be welded steel pipe as shown on the drawings and as herein specified. Pipe to be installed underground shall be push-on joint type. Pipe installed on bridges, piles or other above ground installations shall be restrained joint ductile iron pipe or flanged ductile iron pipe as described in these specifications. PVC pipe shall not be used in above ground applications. Underground pipe shall be furnished in nominal 18 or 20-foot laying lengths unless indicated otherwise on the drawings. Pipe shall be cut to length as required to fit installation conditions. Pipe sizes and applications shall conform to the following chart.

PIPE	PIPE SIZE	JOINT TYPE	APPLICATION
Ductile Iron	3 inches and larger	Mechanical joint, push-on joint, flanged joint, ball joint, etc.	pressure pipe and services-3 inches & 4 inches for services only
PVC DR 14, DR 18	14 inches thru 48 inches	Push-on joint	pressure pipe and services-4 inches for services only
PVC, DR 14, DR 18 (C900)	4 inches thru 12 inches	Mechanical joint, restrained	Water fire mains / lines
SDR 21 PVC	2 inches only	Push-on joint	pressure pipe only
Polyethylene	2 inches and smaller	No joints in pipe	services only
Galvanized	smaller than 3 inches	I.P.T.	flushing valves and contaminated soil sites
Steel	4 inches and larger	Welded	casing only

1. Ductile Iron Pipe

Ductile iron pipe wall thickness and pressure class shall conform to ANSI Specification ANSI A21.50 (AWWA C150) and ANSI A21.51 (AWWA C151) with pressure class 150 as a minimum. Pipe shall also be certified by ISO 9000 by an accredited registrar. Each length shall be clearly marked with the name of the manufacturer, location of the foundry, pressure rating, thickness or pressure class, nominal pipe diameter, weight of pipe without lining and length. All pipe furnished by the manufacturer shall be cast and machined at one foundry location to assure quality control and provide satisfactory test data. All ductile iron pipes shall be externally coated and internally lined as specified in this section. All ductile iron pipe shall be color coded blue by field painting a blue stripe, 3 inches wide, along the crown of the pipe barrel. **Sanitary forcemain ductile iron pipe requires Protecto 401 interior coating or approved equal. Watermain ductile iron pipe requires thin cement lined interior coating.**

2. Polyvinyl Chloride Pressure Pipe

- a. Pressure pipe 4" and larger shall be constructed of Polyvinyl Chloride (PVC) pipe with a dimension ratio (DR) of 18 or 14 suitable for a working pressure of 150 PSI at 73.4 F. Pipe shall conform to AWWA Standard C900 for Polyvinyl Chloride Pressure Pipe, 4" through 12" for water distribution, latest edition or revision. Pipe shall be manufactured

to cast iron equivalent diameters. PVC DR 25 pipe shall conform to AWWA Standard C905 for 16-inch pipe. Pipe is to be manufactured to ductile iron pipe equivalent outside diameters.

- b. Pressure pipe and fittings smaller than 4" shall be Polyvinyl Chloride (PVC) pipe SDR 21 PR 200 and shall conform to ASTM D2241, latest revision. The pipe shall have a gasketed bell with rubber ring conforming to ASTM F477. Fittings for 2" pressure pipe shall be compatible with the type pipe specified except for flushing connections which shall use solvent weld fittings. Pipe for flushing connections shall be Polyvinyl Chloride (PVC) pipe, Schedule 40 and shall conform to ASTM D1785.
- c. Fittings for four inch (4") and larger pipe shall be ductile iron and shall conform to the type of pipe being installed. The fittings shall have a minimum working pressure of 150 psi. Fittings shall be cement lined in accordance with AWWA C104/ANSI A21.4 American National standard for Cement- Mortar Lining for Ductile-Iron pipe and Fittings for Water and shall be furnished with an external asphaltic coating.
- d. Buried Warning and Identification Tape: Polyethylene plastic and metallic core or metallic-faced, acid and alkali-resistant, polyethylene plastic warning tape manufactured specifically for warning and identification of buried utility lines. Provide tape on rolls, three inch (3") minimum width, color coded as specified below for the intended utility with warning and identification imprinted in bold black letters continuously over the entire tape length. Warning and identification to read, "CAUTION, BURIED (intended service) LINE BELOW" or similar working. Color and printing shall be permanent, unaffected by moisture or soil.
 - i. Warning Tape Color Codes: Blue (Water Systems)
 - ii. Tape shall be manufactured with integral wires, foil backing, or other means of enabling detection by a metal detector when tape is buried up to three feet (3') deep.
- e. Locate Wire: All pressure pipe shall be provided with 12-gauge continuous wire on top of pressure pipe. All 12-gauge wiring shall be terminated inside valve boxes or at a maximum of 475' intervals with a minimum of 36 inches excess wiring rolled up inside the valve box.

3. Steel Casing Pipe

- a. Steel casing pipe shall be per specification 02400 (jack and bore operation), in conjunction with the approving agency's requirements. The governing authority's minimum requirements shall not be deviated from for this project.

C. Service Lines

1. Polyethylene Tubing

All services 2 inches and smaller shall be polyethylene tubing. Tubing shall be manufactured of PE 3408, High Density Polyethylene (HDPE), in accordance with AWWA C901, ASTM D1248, ASTM D2239, ASTM D2737 and ASTM D302660. The tubing shall have a minimum working pressure of 200 psi. Polyethylene tubing shall be copper tube size SDR9 and shall be colored blue. HDPE pipe shall have ultraviolet (UV) inhibitors for protection against direct sunlight for 4 years. Inserts for polyethylene tubing shall be 316 stainless steel. Tubing shall be approved for use with pressure pipe by the National Sanitation Foundation (NSF-14) and shall be continuously marked at intervals of not more than two feet with the following:

- a. Nominal size
- b. Pressure rating
- c. NSF seal
- d. Manufacturer's name or trademark
- e. Standard dimension ratio
- f. ASTM specification

D. Fittings

Fittings shall have joints that match the type of pipe furnished except as follows or as otherwise specified. Fittings on 2-inch PVC pipe may be PVC with push-on bell type joint or solvent weld. Fittings 3-inches and larger on push-on joint pipe installed underground shall be ductile iron with mechanical joint ends or PVC with restrained push-on bell type joint. Fittings 3 inches and larger installed above ground shall be ductile iron with flanged ends or restrained joints unless shown otherwise on the drawings. Fittings for fire hydrant laterals shall be ductile iron, including tee to lateral.

FITTING MATERIAL	FITTING SIZE	JOINT TYPE
Ductile Iron	3 inches and larger	mechanical joint, flanged joint, ball joint
PVC DR18	4 inch through 12 inch	push on joint; restrained joint
SCH 40	2 inches only	solvent weld
SCH 80	2 inches only	solvent weld, threaded
SDR 21	2 inches only	push on joint
Polyethylene	2 inches only	butt fused, compression joint
Galvanized	2 inches only	I.P.T.

1. Ductile Iron Fittings

Ductile iron fittings shall have a minimum working pressure of 150 psi. Fittings shall conform to ANSI Specification A21.10 (AWWA C110), A21.11 (AWWA C111), A21.15 (AWWA C115) and/or A21.53 (AWWA C153). Fittings shall also be certified by ISO 9000 by an accredited registrar. Compact fittings shall normally be installed. Long body fittings shall be used where the drawings specifically call for long body fittings, where compact fittings are not available, or at the option of the Contractor when the laying length is not controlled by compact fitting patterns. All fittings shall be UL/FM approved and shall conform to NSF Standard 61 as applicable. All fittings furnished by the approved manufacturer shall be cast and machined at one foundry location to assure quality control and provide satisfactory test data. Fittings shall have cast on them the pressure rating, nominal diameter of openings, manufacturer's name, foundry location, plant code and degrees or fraction of the circle. Cast letters and figures shall be on the outside body of the fitting. The Town may require random ductile testing of manufacturer's fittings. All ductile iron fittings shall be externally coated and internally lined as specified in this section.

The interior of all sanitary forcemain ductile iron pipe fittings and specials shall be Protecto 401. The interior of all watermain ductile iron pipe fittings and specials shall be thin cement lined. The lining shall comply with ANSI Standard A21.4 (AWWA C104).

- a. Ductile iron Integral Restraint Joint (IRJ) fittings in sizes 4" through 12" shall meet or exceed the applicable standards cited in this specification. Fittings shall be

manufactured of ductile iron (65.45.12) and shall conform to the material and performance requirements of ANSI/AWWA C153/A21.53. Fittings shall be designed for use on ductile iron pipe conforming to ANSI/AWWA C151/A21.51 and PVC pipe conforming to AWWA C900. All fittings shall be provided with integral restraint joints and have seals conforming to ASTM F 477 and the physical testing requirements of AWWA C111. All fittings shall be internally and externally coated as described in paragraph 2.1F. Assembly of fitting joints shall not require beveling of the plain end of a cut pipe and shall not require the use of jacks or power equipment to force the pipe end past the gasket. Fittings shall be manufactured by (Ebba Iron Restrainers, Uni-flange, or Mega-lugs.), or engineer approved equal.

2. Polyvinyl Chloride Fittings

Fittings that are 2-inch may be PVC with push-on bell type joint or PVC with solvent weld joints as outlined in chart of Section 2.1D. Fittings that are 4 inch and larger shall be restrained push on bell joint. Restraints shall be in accordance with this specification regarding installation and material. The fittings shall conform to the appropriate sections of these specifications for PVC pipe and PVC pipe joints.

a. PVC 1120, Class 150, DR18 Fittings

Fittings shall be PVC injection molded, made from materials meeting or exceeding the requirements of cell class 12454-B material as defined in ASTM D1784. All PVC fittings must comply with, or exceed, AWWA C907. All fittings must be designed to the pressure class of DR18, with a pressure rating of 150 psi and a 2.5 to 1 factor of safety. Virgin materials only shall be used in the manufacture of PVC pressure fittings. These fittings must have UL-FM approval and shall comply with or exceed all ASTM Standards for PVC fittings. All fittings must have NSF-61 approval. The elastomeric gasket shall comply with the requirements specified in ASTM F477 and shall be attached to the bell utilizing glue (AWWA and manufacturer approved type) or rieber ring.

b. PVC 1120, SDR 21, Fittings

SDR 21 fittings shall be injection molded, push on bell type with electrometric rubber seals in accordance with ASTM D3139. Seals shall conform to ASTM F477.

c. PVC 1120, Schedule 40 And Schedule 80 Fittings

Schedule 40 and schedule 80 fittings shall have solvent weld joints and shall be in accordance with ASTM D2672.

3. Polyethylene Fittings

All polyethylene fittings shall comply with NSF-14 requirements. All fittings and couplings shall be thermoplastic nylon 6/6 material suitable for working pressure of 200 psi. Joints on all thermoplastic fittings shall be compression type with 360-degree restraint or threaded as required for a complete installation.

4. Nonstandard Fittings and Wall Castings (N/A THIS PROJECT)

5. Tapping Sleeves

a. Stainless Steel

Stainless steel tapping sleeves shall be used on 4-inch pipe and larger. Stainless steel tapping sleeves shall be all 304 stainless steel, including flanges, bolts and nuts and

shall be rated for 150 psi minimum operating pressure and 200 psi minimum test pressure. The tapping sleeve shall have a pilot flange recessed for tapping per MSS SP-60. The pilot flange shall be pressure rated Class D according to AWWA C207 with 125-pound drilling conforming to ANSI B16. Each sleeve shall be supplied with a flange gasket bonded to the flange. The body gasket shall be a full circle, grid pattern, covering the entire length of the sleeve, cloth reinforced, with attached stainless-steel bridge to support the gasket at the lugs. The gasket shall be made of SBR rubber or similar material, compounded for use with water, salt solution, mild acids, bases and sewage. The sleeve shall have a 3/4-inch NPT bronze or stainless-steel test plug. All welds shall conform to ASTM A380 and shall be fully passivated.

E Joints: Type of joint used shall be approved by the Engineer prior to installation. Joints shall be made in accordance with approved printed instructions of the manufacturer, and shall be absolutely watertight.

1. Mechanical Joints

All jointing materials for mechanical joints shall be provided by the pipe and/or fitting manufacturer. Material assembly and bolting shall be in accordance with ANSI Specification A21.11 (AWWA C111). All glands shall be made of ductile iron only.

2. Push-On Joints

a Ductile Iron

Push-on joints shall be in accordance with ANSI Specification A21.11 (AWWA C111). All joint material shall be provided by the pipe manufacturer and installation shall be in accordance with the manufacturer's recommended practice.

b Polyvinyl Chloride (PVC)

PVC pipe joints shall be the manufacturer's standard push-on bell type with rubber sealing ring in accordance with ASTM D3139. Electrometric gaskets shall conform to ASTM F477.

3. Ball and Socket Joints (N/A THIS PROJECT)

4. Flanged Joints

Ductile iron flanged joints shall conform to ANSI A21.10 (AWWA C110) and ANSI A21.15 (AWWA C115). Flanges shall be in accordance with ANSI Specification B16.1, Class 125 with any special drilling and tapping as required to ensure correct alignment and bolting. Screwed flanges shall be screwed in tight at the foundry by machine before they are faced and drilled. Flanges for flanged joints and flanged specials shall be integrally cast at right angles to the axis, accurately faced, and drilled smooth and true. Gaskets shall be rubber ring type, cloth inserted, minimum thickness of 1/8 inch and shall be used on all flanges. The entire gasket, including the retainer and sealing ring, shall be one continuous piece. Retainers glued together will not be accepted. Flanged joints shall be made with bolts, bolt studs with a nut on each end, or studs with nuts where the flange is tapped. The number and size of bolts shall conform to the same ANSI standard as the flanges. All flange bolts and nuts shall be 316 stainless steel. Bolt studs shall be of the same quality as machine bolts. Bolts shall be tightened so as to distribute evenly the stress in the bolts and bring the pipe in alignment. The Contractor shall provide suitable filling rings where the layout of the flange piping is such as to necessitate their use. In materials, workmanship, facing and drilling, such rings shall conform to ANSI B16.1 Class 125.

5. Machined Surfaces

Machined surfaces shall be cleaned and coated with a suitable rust preventive coating at the shop immediately after being machined.

6. Steel Casing Pipe Joints

Steel casing pipe joints shall be electric fusion (arc) welded by operators whose qualifications meet the requirements of the American Welding Society Standard procedures and in conformance with AWWA C206.

7. Polyvinyl Chloride Solvent Weld Joints

Pipe joints for schedule 40 or schedule 80 pipe shall be solvent weld joints. The solvent cement shall comply with ASTM D2564. The joint shall be made in accordance with ASTM D2855. The joint shall conform to ASTM D2672.

8. Polyethylene Joints

Polyethylene joints shall be butt-fused, done with polyethylene fittings or brass compression fittings.

9. Restrained Joints

a. Restrainers

The restrainer shall be manufactured of ductile iron and shall meet or exceed all the requirements of ANSI A21.11 (AWWA C111) and ASTM A536. The restrainer system shall provide anchoring of PVC pipe to mechanical joint fittings or bell to spigot PVC pipe joints. Restraints shall provide a full 360-degree contact with sufficient gripping action to secure the clamp to the pipe and be designed so that restraint action is increased as a result of increases in line pressure. The restrainer shall accommodate the full working pressure rating of the pipe plus surge allowance.

b. Retainer Glands

Retainer glands shall be manufactured of ductile iron grade 64-42-10, ASTM A536 or the pre-approved equal and shall be designed to fit standard mechanical joint bells conforming to applicable sections of ANSI A21.10 (AWWA C110), ANSI A21.11 (AWWA C111) and ANSI A21.53 (AWWAC153). The restraining device shall be rated for the full working pressure of the pipe type used including surge allowance and a 2:1 safety factor. Mechanical restraints shall include a restraining mechanism which, when actuated, imparts a wedging action against the pipe, increasing its resistance as the pressure increases. The restraint shall be compatible with the type of joint being installed. The joint deflection shall not exceed 80% of the pipe manufacturer's recommended maximum deflection. Deflection, if necessary shall be made before tightening the set screws. Bolts and set screws shall be tightened alternately, 180 degrees apart, to the torque recommended by the manufacturer. Retainer glands having set screws that make point contact with the pipe without using a pad to disperse point loading shall not be used on PVC pipe. The restraining device shall not damage or lower the working pressure of the pipe installed. Retainer glands shall be either EBBA Iron or Uni-flange.

10. Flange Adapters

Flange adapters shall be ductile iron manufactured to ASTM A536 standards. Bolt circles and bolt holes shall meet ANSI B16.1 for 125 pounds. Adapter flanges shall meet or exceed all test requirements of AWWA C900, ASTM D2241 and ASTM D1599.

11. Pipe Couplings

The Contractor shall furnish and install pipe couplings as required to complete the work. Pipe couplings used to join two pieces of ductile iron pipe or PVC pipe shall be sized to match the outside diameter of the pipeline. Transition couplings shall be used to join pipes of different

outside diameters. The coupling sleeve shall be manufactured of ductile iron conforming to ASTM A536 and be coated with 14 mils of epoxy. The bolts shall be manufactured of a metal of high corrosion resistance and shall conform to ANSI 21.11 (AWWA C111). Gaskets shall be wedge-type and manufactured of virgin SBR for water and sewer service. The installation of all couplings shall be in accordance with manufacturer's recommendations. After installation, all coupling surfaces including bolts and nuts shall be coated with an approved coating as specified in this section of these specifications. Couplers and adapters for polyethylene pipe shall be brass conforming to AWWA C800 and shall be female IPT, pack joint or compression nut.

12. Full Circle Repair Clamps

Full circle repair clamps shall have type 304 stainless steel shells, lugs, bolts, nuts and washers as per ASTM A193, A194, A240, or shall have type 304 stainless steel shells per ASTM A240, ductile iron lugs as per ASTM A536, and 304 stainless steel bolts, washers and nuts. Gaskets for both types shall be virgin SBR as per ASTM D2000 for water and sewer service.

F. Corrosion Protection for Ductile Iron Pipe Interior Lining

The interior of all sanitary forcemain ductile iron pipe, fittings and specials shall be Protecto 401. The interior of all watermain ductile iron pipe, fittings and specials shall be thin cement lined. The lining shall comply with ANSI Standard A21.4 (AWWA C104).

1. Exterior Coating

All ductile iron pipe and fittings except on bridges or as otherwise noted, shall receive an exterior bituminous coating as specified in ANSI A21.51. The finished coating shall be continuous smooth, neither brittle when cold nor sticky when exposed to the sun and be strongly adherent to the fitting. All bolts, nuts, studs and other uncoated parts of joints for underground installation shall be coated with asphalt or coal-tar prior to backfilling. Pipes crossing under ditches, culverts, rivers, creeks, etc., shall be considered as buried pipe. All ductile iron pipe shall be color coded blue by field painting a blue stripe, 3 inches wide, along the crown of the pipe barrel.

2. Polyethylene Wrap

a. Material

The polyethylene material shall meet or exceed the requirements of AWWA C105 in all respects. The wrap shall be virgin, high density polyethylene, 4 mils thick minimum. The polyethylene wrap shall be white with 2 each, 6-inch wide, continuous blue tapes located at the 2:00 and 10:00 o'clock position on the pipe.

b. Installation

Although not intended to be a water-tight enclosure, the polyethylene shall prevent contact between the pipe and the surrounding backfill. Installation shall be done according to one of the methods described in AWWA C105, subject to approval by the Engineer and the manufacturer.

G. Piping Supports

1. Casing Spacers shall be used for all carrier pipes installed within steel casings, in accordance with the manufacturer's recommendations and the contract drawings. Casing spacers shall be constructed of high-density polymer, stainless steel, or other approved non-corrosive materials designed to support the carrier pipe, maintain proper alignment, and provide uniform annular spacing throughout the length of the casing. Spacers shall be sized to accommodate the outside diameter of the carrier pipe and the inside diameter of the casing while supporting all anticipated dead, live, and installation loads without deformation or damage to the carrier pipe coating. Spacers shall be installed at intervals recommended by the manufacturer, but not exceeding 8 feet unless otherwise approved by the Engineer.

2. Additional spacers shall be provided adjacent to joints, fittings, and at each end of the casing as required to prevent sagging or displacement of the carrier pipe. The completed installation shall maintain the carrier pipe centered within the casing, prevent metal-to-metal contact, facilitate installation, and ensure unobstructed placement of casing end seals. All materials shall be resistant to corrosion, moisture, chemicals commonly encountered in soil and groundwater, and shall provide a minimum service life equivalent to that of the carrier pipe system

H Material Warranty

The manufacturer of materials furnished on the project shall supply to the Town of Ridgeland, a one (1) year unconditional warranty. The warranty shall be limited to the material which shall constitute complete replacement and delivery to the site of materials only to replace defective materials with new materials conforming to the specifications. This warranty is contingent upon determination of failure by a private independent testing laboratory. The testing shall prove that the failure was caused by failure of the material. The testing laboratory shall be selected by and agreed upon by both parties involved. This warranty is in addition to any warranty required for pipe linings herein before specified.

I Material Testing

The Town of Ridgeland requires all materials furnished to conform to the following standards. The entire product of any manufacturer or of any one part may be rejected when, in the opinion of the Town of Ridgeland, the methods of manufacture fail to secure uniform results acceptable to the requirements of these specifications. Pipe and materials shall be tested in, and for conformity with, the latest editions of the following:

<u>Item</u>	<u>Specifications</u>
Ductile Iron Pipe and Fittings	ANSI A21.50 (AWWA C150) ANSI A21.51 (AWWA C151) ANSI A21.53 (AWWA C153)
Polyvinyl Chloride Pipe and Fittings	ASTM D1598 ASTM D1599 ASTM D1784 ASTM D1785 ASTM D2122 ASTM D2241 ASTM D2564 ASTM D2672 ASTM D2837 ASTM D2855 ASTM D3139 ASTM F477 AWWA C900 AWWA C905 AWWA C907
Polyethylene Tubing	ASTM D1248 ASTM D2239 ASTM D2737 ASTM D302660 AWWA C901

PART 3 - EXECUTION

3.1 REFERENCE POINTS AND LAYOUT

The Contractor shall be responsible for setting all grade, lines and levels. The Contractor or Contractor's Surveyor will provide centerline of construction; the engineer will provide a reference benchmark. Any reference points, points of intersection, property corners, or benchmarks, which are disturbed during construction, shall be restored by a Land Surveyor registered to practice in the State of South Carolina, and all costs thereof shall be borne by the Contractor. The Contractor shall assume all responsibility for the correctness of the grade and alignment stakes.

3.2 HANDLING AND CUTTING PIPE

Every care shall be taken in handling and laying pipe and fittings to avoid damaging the pipe, scratching or marring machined surfaces, and abrasion of the pipe coating. Any fitting showing a crack and any fitting or pipe which has received a severe blow that may have caused an incipient fracture, even though no such fracture can be seen, shall be marked as rejected and removed at once from the work. In any pipe showing a distinct crack in which it is believed there is no incipient fracture beyond the limits of the visible crack, the cracked portion, if so approved by the Town of Ridgeland, may be cut off before the pipe is laid so that the pipe used shall be perfectly sound. The cut shall be made in the sound barrel at a point at least 12 inches from the visible limits of the crack. Except as otherwise approved, all cutting shall be done with a power driven cut off saw. All cut ends shall be examined for possible cracks caused by cutting.

3.3 PIPE INSTALLATION

A. General Requirements

Pressure pipe shall be constructed of the materials specified and as shown on the drawings. All PVC C900/C905 pipe shall be laid in accordance with AWWA C605. Pipe and fittings shall be carefully handled to avoid damage, and if feasible, while they are suspended over the trench before lowering, they shall be inspected for defects and to detect cracks. Defective, damaged or unsound pipe or fittings shall be rejected. Each section of the pipe shall rest upon the pipe bed for the full length of its barrel, with recesses excavated to accommodate bells and joints. Any pipe which has its grade or joint disturbed after laying shall be taken up and re-laid. All precautions shall be taken to prevent sand or other foreign material from entering the pipe during installation. If necessary, a heavy, tightly woven canvas bag of suitable size shall be placed over each end of the pipe before lowering into the trench and left there until the connection is made to the adjacent pipe. Any time the pipe installation is not in progress, the open ends of pipe shall be closed by a watertight plug or other method approved by the Engineer. Plugs shall remain in pipe ends until all water is removed from the trench. Any sand or foreign material that enters the pipe shall be removed from the pipe immediately. No pipe shall be installed when trench conditions (standing water, excess mud, etc.) or the weather (rain, etc.) is unsuitable for such work, except by permission of the Engineer. Any section of pipe already laid which is found to be defective or damaged shall be replaced with new pipe.

B. Pipe Cover

The cover over all piping shall be a minimum of 30 inches in unpaved areas and 36 inches in paved areas with a maximum of 60 inches unless specifically approved otherwise. Cover for pipe under pavement shall be measured from the finished grade. Any reduction in pipe cover will require approval from the Town of Ridgeland and the Engineer. Greater depths will be permitted where required to miss obstructions only. Lines shall be located as shown on the drawings. The Contractor shall investigate well in advance of pipe laying any conflicts which may require readjustments in planned locations and advise the Engineer of the results of these investigations so that the Engineer

may give instructions as to the modifications required. Refer to backfill and compaction requirements in Section 02640 Sewer System Construction.

C. Installation of Iron Piping

All iron pipe and fittings shall be laid in accordance with the pipe manufacturer's recommendations and the American Water Works Association Specification AWWA C600.

D. Thrust Restraint

1. All non-flanged fittings and valves shall be restrained using one of the following methods:

- a. Mechanical restraint at fittings and valves and mechanical restraint along adjacent joints of pipe to a length as specified in the following table.

All Mechanical Joint Fittings must be restrained using either EBBA Iron Restrainers, Uni-flange, or Mega-lugs. Rod restraints will be approved on an individual basis only.

No thrust blocks will be used without prior approval of Town of Ridgeland Water and Sewer Department.

CHART "F"

MINIMUM LENGTH TO BE RESTRAINED ON EACH SIDE OF FITTING (FEET)									
NOMINAL PIPE SIZE (INCHES)	11 1/4° Horizontal Elbow	22 1/2° Horizontal Elbow	45° Horizontal Elbow	90° Horizontal Elbow	Horizontal Tees	Horizontal Plugs and Valves	45° Vertical Offset Upper length/low per length	22½° Vertical Offset Upper length/lower length	Reducer (to 1 size smaller) Length on Larger Size Side
4	2	4	8	20	20 - run 1 - branch	50	20/3	8 / 1	n/a
6	2	5	10	28	20 - run 1 - branch	70	28/4	11 / 2	28
8	3	6	14	36	20 - run 1 - branch	90	36/5	14 / 3	30
10	4	8	18	40	20 - run 1 - branch	110	45/6	17 / 3	29
12	4	9	20	50	20 - run 1 - branch	120	52/8	20 / 4	50
14	5	10	23	56	20 - run 10 - branch	140	60/9	23 / 4	30
16	6	11	26	60	20 - run 26 - branch	160	67/10	26 / 5	30
18	6	12	29	69	20 - run 41 - branch	180	74/12	29 / 5	29
20	7	13	32	75	20 - run 55 - branch	195	80/13	36 / 6	29

24	7	15	33	76	20 - run 58 - branch	200	81/14	37 / 7	55
30	9	18	36	88	20 - run 77 - branch	235	97/16	44 / 8	77
36	10	20	40	100	20 - run 115 - branch	270	110/20	51 / 10	77

NOTE: Table assumptions: PVC pipe, Safety Factor = 1.5, Soil = GM or SM, 3 ft. bury depth to top of pipe, trench type 3, branch on tee is one size smaller than run of tee size and 20 feet of pipe is installed past the tee on the run side (smaller branch sizes must be calculated by the engineer). Vertical offsets are 3 feet deep on top and 8 feet deep on bottom. Reducers are calculated for one size reduction. Test pressure of 150 psi.

The use of thrust blocks shall be limited to situations such as point repair where exposing several joints of pipe is not feasible due to existing ground conditions and also must be used with mechanical joint restraining devices when, in the judgment of the Engineer, the nature and criticality of an installation is such as to require positive assurance of stability. Concrete collars with tie rods may be used on dead end lines at the Contractor's discretion.

Concrete used for this purpose shall be 2,500 psi minimum. When applicable, schedule and details for the required thrust blocks are included on the drawings. The use of thrust blocks will only be approved by the Town of Ridgeland for special conditions.

2. Joint Restraints within Carrier Pipe

- a. Where indicated on the Contract Drawings or required by the Engineer, the Contractor shall provide restrained joints on carrier pipe installed within casings to prevent longitudinal movement resulting from thrust forces, thermal expansion and contraction, installation loads, or other operational forces.
- b. Restrained joints shall be compatible with the pipe material and pressure class and shall be designed to develop not less than the full tensile strength required to prevent joint separation under the maximum anticipated operating and test pressures.
- c. Acceptable restraint systems include factory-manufactured restrained push-on joints, mechanical joint restraints, welded joints, flanged connections, or other Engineer-approved restraint systems specifically designed for the pipe material. Field-fabricated restraint methods shall not be permitted unless specifically approved by the Engineer.
- d. Restrained joints shall be installed in accordance with the pipe and restraint manufacturer's written instructions, with all bolts, wedges, locking segments, and other restraint components properly installed and tightened to the specified torque values.
- e. The Contractor shall verify that restrained joints are properly engaged prior to insertion of the carrier pipe into the casing. The restraint system shall not damage or compromise the pipe lining, coating, or corrosion protection system and shall be capable of maintaining joint integrity throughout the design life of the pipeline.
- f. Where restrained joints are required within a casing, the restraint system shall be designed to permit installation without interfering with casing spacers or casing end seals and shall maintain the alignment and structural integrity of the carrier pipe under all anticipated service conditions.

3. Casing Spacer Installation

- a. Prior to installation, the Contractor shall verify that the carrier pipe, casing pipe, and

casing spacers are clean, free of damage, and compatible with one another. Casing spacers shall be installed in strict accordance with the manufacturer's written instructions, with the runners positioned to facilitate smooth insertion of the carrier pipe into the casing. Spacers shall be securely fastened to the carrier pipe using stainless steel bands, bolts, or other manufacturer-approved fastening devices to prevent movement during installation. Spacers shall be installed at the spacing specified in the Contract Documents or as recommended by the manufacturer, with additional spacers provided at pipe joints, fittings, bends, and near each end of the casing to maintain proper alignment and prevent sagging.

- b. The carrier pipe shall be carefully inserted into the casing using equipment and methods that prevent damage to the carrier pipe, protective coatings, casing spacers, and casing. Excessive pulling forces, impacts, or dragging that could damage the pipe or displace the spacers shall not be permitted. Following installation, the Contractor shall verify that the carrier pipe is properly centered within the casing, that all spacers remain securely in place, and that sufficient annular clearance exists for the installation of casing end seals. Any damaged or displaced spacers shall be replaced at no additional cost to the Owner before the installation is accepted.

E. Water Main and Non-Water Main Separation Requirements

- 1. Separation of water pipe and sewers shall conform to the requirements of South Carolina DES (formerly DHEC) State Primary Drinking Water Regulations 61-58, Finished Water Pumping, Storage and Distribution Facilities section D. Distribution Systems (12).
 - (a) Parallel installation - Pressure pipe shall be laid at least ten (10) feet horizontally from any existing or proposed sewer. The distance shall be measured edge to edge. In cases where it is not practical to maintain a ten-foot separation, the Department may allow deviation on a case-by-case basis, if supported by data from the design engineer. Such deviation may allow installation of the water main closer to a sewer, provided that the water main is laid in a separate trench or on an undisturbed earth shelf located on one side of the sewer at such an elevation that the bottom of the water main is at least eighteen (18) inches above the top of the sewer.
 - (b) Crossings - Pressure pipe crossing sewers shall be laid to provide a minimum vertical separation of eighteen (18) inches between the outside of the water main and the outside of the sewer. This shall be the case whether the water main is either above or below the sewer line. Whenever possible, the water main shall be located above the sewer line. Where a new water main crosses a new sewer line, a full length of pipe shall be used for both the water main and sewer line and the crossing shall be arranged so that the joints of each line will be as far as possible from the point of crossing and each other. Where a new water main crosses an existing sewer line, one full length of water pipe shall be located so both joints will be as far from the sewer line as possible. Where a water main crosses under a sewer, adequate structural support shall be provided for the sewer line to prevent damage to the water main.
 - (c) Special Conditions - When it is impossible to obtain the distances specified in R.61-58.4(D)(12)(a) and (b) the Department may allow an alternative design. Any alternative design shall:
 - (i) maximize the distances between the water main and sewer line and the joints of each;
 - (ii) use materials which meet the requirements R.61-58.4(D)(1) for the sewer line; and,

- (iii) allow enough distance to make repairs to one of the lines without damaging the other.
- (d) Force mains - There shall be at least a ten (10) foot horizontal separation between pressure pipe and sanitary sewer force mains. There shall be an eighteen (18) inch vertical separation at crossing as required in R.61-58.4(D)(12)(a) and (b).
- (e) Sewer manholes - No water pipe shall pass through or come in contact with any part of a sewer manhole. Water lines may come in contact with storm sewers or catch basins if there is no other practical alternative, provided that ductile iron is used, no joints of the water line are within the storm sewer or catch basin and the joints are located as far as possible from the storm sewer or catch basin.
- (f) Drain-fields and Spray-fields - Pressure pipe lines shall not be laid less than twenty-five (25) feet horizontally from any portion of a waste-water tile-field or spray- field or shall be otherwise protected by the method approved by the Department.

F. System Connections

All connections and ties to the Town of Ridgeland Water System and transfer of services will be performed by the Contractor under supervision of the Town of Ridgeland's representative.

1. Water Main Connections

Tapped connections in the barrel of a pipe shall be less than the diameter of pipe being tapped except 4-inch pipe which may be tapped with a 4-inch tapping sleeve and valve. No taps shall be made within 5 feet of a joint. When making 2-inch PVC water main connections to pressure pipe, a flexible connection shall be made using 2-inch polyethylene pipe one foot long (minimum). The polyethylene pipe shall tie to the existing water main and then tie to the new 2-inch PVC water main. There shall be a stainless-steel nipple between saddle and valve on 2-inch water main connections.

G. Field Testing

1. Disinfection Tests

- a. All water pipe and fittings of whatever size and wherever installed on pressure pipe lines shall be thoroughly disinfected prior to being placed in service. Disinfection shall follow the applicable provisions of the procedure established for the disinfection of pressure pipe as set forth in AWWA Standard C651 entitled "AWWA Standard for Disinfecting Pressure pipe".

Temporary blow-offs shall be installed for the purpose of clearing the water main. Blow-offs installed on pressure pipe up to and including 12 inches shall be the same diameter as the water main. Blow-offs installed on 16-inch pressure pipe and larger shall be the next smaller size, in diameter, than the water main being tested. Temporary blow-offs shall be removed and plugged after the main is cleared. The Town of Ridgeland Representative shall be present prior to and during the operation of blow-offs. The main shall be flushed prior to disinfection.

The new water main shall be connected to the existing water main at one point only for flushing purposes (no looping). The new main MUST have a blow off on the end as required previously. After the new main is thoroughly flushed, the open end shall be sealed and restrained and the main shall be thoroughly disinfected as specified.

The contractor may use a separate source of water for flushing purposes. Upon completion of the flushing, the contractor shall proceed with disinfection as specified.

Anytime the new line is reopened (to repair defective joints or pipe, defective fitting or valve) the complete disinfection process shall be repeated.

Once bacteriological clearance (on 2 days of samples) has been approved, the main may be pressure tested against an existing system valve.

No new water main may be put in service until a Certification of Completion has been approved by the South Carolina Department of Environmental Services (SCDES (formerly SCDHEC)). The contractor must supply to the Engineer SCDES-acceptable record drawings or As-Builts, accurately depicting installed conditions for the Certification of Completion. The Contractor shall allow time for this process to be completed.

2. Leakage and Pressure Tests

See Section 15045 Pressure Testing

3. Locate Wiring Testing

Installed locate wiring shall be tested by the contractor with an approved testing company using approved equipment. Locate wire testing company must be provided a copy of the As-Builts.

4. Soil and Density Tests

Reference soil and density testing requirements in Section 02640 Sewer System Construction, paragraph 3.2 Field Quality Control.

H. Inspection

All pipe and fittings shall be subject to inspection at time of delivery and also in the field just prior to installation. All pipe and fittings which in the opinion of the Engineer do not conform to these specifications will be rejected and shall be removed by the Contractor at the Contractor's expense. An authorized Town of Ridgeland representative must be present for all pressure and leakage testing, connections to the Town's existing lines and the collection of water samples.

I. State Highway Crossings

Permits for all work within the right-of-way of a State Highway will be obtained by the Engineer. The Contractor shall, however, verify the existence of the permit before commencing work in this area. All work related to the State Highway crossing shall be in full compliance with the requirements of the South Carolina Department of Transportation permit and in accordance with the South Carolina Department of Transportation standard specifications. Unless otherwise shown on the drawings or specified herein, State Highway crossings shall be made by jacking a steel pipe casing, of the size shown on the drawings and shown in the Town of Ridgeland Standard Details, under the highway at the elevations and locations shown. The water main shall then be placed in the casing with approved casing spacers as specified in this section. All joints within carrier pipe shall be mechanically restrained joints. After inspection, the ends of the casing shall be filled with 2500 psi concrete not less than 8 inches thick.

J. Railroad Crossings

The Encroachment Agreement for all work within the right-of-way of a railroad has been obtained, and is located within the Appendix. The Contractor shall, however, verify the existence of the documents before commencing work in this area. All work related to the railroad crossing shall be in full compliance with the requirements of CSX and in accordance with the encroachment agreement. The railroad crossings shall be made by jacking a steel pipe casing, of the size shown on the drawings, under the railroad at the elevations and locations shown. The ductile iron forcemain shall then be placed in the casing with approved casing spacers as specified in the Contract Documents. All joints within carrier pipe shall be mechanically restrained joints.

K. Locate Wiring

Contractor shall furnish and install #12 copper locate wiring and warning tape on all PVC pressure pipe and polyethylene and PVC water services installed. Locate wire on services shall be limited to

a continuous loop of wire extending 3 feet along the service from the main. Locate wire must be attached to pressure pipe and services with plastic zipper type ties at each side of bell joint or fitting and at 10-foot intervals along pipeline. Locate wire shall be brought to within 8 inches of grade within a valve box or water meter box flush with finished surface with 36 inches of locate wire rolled up inside box at 475-foot intervals. Locate wire shall be installed in box and along pipeline as detailed in the Town of Ridgeland Standard Details. Locate wire shall be installed in either the 1:00 or 11:00 position on the pipe. Locate wire shall be attached to intersecting ductile iron or galvanized pipeline using a three-way splice and brass split ground clamp with wire installed around brass nipple. Locate wiring must have the ability to conduct an electrical current; therefore, the wiring must be continuous without any breaks in the line spliced as per the Town of Ridgeland Standard Details. Locate wire shall be spliced with the Town of Ridgeland approved wire connectors.

1. General

Where a new water main is installed or where an existing water main is relocated or replaced, as shown on the drawings or where necessary due to a direct conflict with proposed construction and when approved by the Engineer, the Contractor shall install new piping from the water main to each existing water meter.

L. Contractor Warranty

The Contractor shall supply to the Town of Ridgeland a one (1) year unconditional warranty. The warranty shall include materials and installation and shall constitute complete replacement and delivery to the site of materials and installation of same to replace defective materials or defective workmanship with new materials/workmanship conforming to the specifications.

END OF SECTION 02660

SECTION 02661
PRESSURE VALVES & APPURTENANCES

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. The Contractor shall furnish, install, joint, and test all gate valves, butterfly valves, check valves and other special valves and appurtenances as shown on the drawings and herein specified. All references to Industry Standards (ASTM, ANSI, AWWA, etc.) shall be to the latest revision unless otherwise stated. Only those materials included in the Town of Ridgeland Water and Sewer Standards, Details and Materials Manual shall be installed. All materials shall be new unless specifically called for otherwise.

1.2 ROTATION OF OPENING

- A. All valves larger than two inches installed within a watermain or forcemain system to be the Town of Ridgeland owned shall open by turning to the left or counterclockwise, when viewed from the stem.

1.3 EXTENSION STEMS

- A. Where extension stems are required substantial, adjustable wall brackets and extension stems shall be furnished and located as directed. Extension stems shall be provided on all buried valves when the operating nut is deeper than 30 inches below the final grade. Sufficient stem extension shall be provided so that the nut will be no more than 30 inches below finished grade.

1.4 PAINTING OF VALVES AND VALVE BOX LIDS

- A. The top side of all water valve box covers shall be painted blue except for gate valves at fire hydrants. Top of valve box covers at fire hydrants shall be painted yellow. Valve boxes for sanitary forcemain systems shall be painted green. Oil based, traffic-rated paint shall be used.

1.5 HYDROSTATIC AND LEAKAGE TEST

- A. The Contractor shall be required to perform a separate hydrostatic/leakage field test on each valve installed to insure it is bubble tight. The duration of this test shall be 15 minutes at 150 psi and conform to AWWA C504. The method of performing this test shall be left up to Contractor with the Engineer's approval. The failure of the valve to perform will result in its removal from the job site and replacement by the Contractor at the contractor's expense.

1.6 LOCATING MARKERS FOR VALVES

- A. A 'V' cut shall be carved in the curb closest/adjacent to a below grade valve. This 'V' cut shall be painted blue or green, depending on the pressure pipe (blue for water, green for forcemain).

PART 2 - PRODUCTS

2.1 GATE VALVES

- A. General

Gate valves 3 to 12 inches in diameter shall be designed for 200 psi minimum working pressure. Valves

over 12 inches in diameter shall be designed for 150 psi minimum working pressure. When fully open, gate valves shall have a clear waterway equal to the nominal diameter of the pipe. The operating nut or wheel shall have an arrow cast in the metal indicating the direction of opening. Each valve shall have the manufacturer's distinctive marking, pressure rating and year of manufacture cast on the body. Prior to shipment from the factory, each valve shall be tested by applying to it a hydraulic pressure equal to twice the specified working pressure.

B. Buried Valves

Buried gate valves shall be iron body, bronze mounted, rubber encapsulated, resilient seat, solid wedge, non-rising stem type with operating nuts and adjustable valve boxes and covers. Operating nuts shall be two inches square. Resilient seat gate valves shall conform to applicable sections of AWWA Standards C509 resilient seat. All gate valves 20 inches or larger must be bevel geared for both horizontal and vertical installations. All valves shall be installed vertically unless additional depth of bury is impossible due to physical obstructions. Gate valves shall open counterclockwise.

C. Above Ground Valves

Gate valves located above ground or inside structures shall be hand wheel operated, non-rising stem type with flanged ends and be of the same general construction as buried valves.

D. Valve Joints

All gate valves shall have mechanical joint ends, flanged ends, or screw joints to fit the pipe run in which they are used, except valves installed on push-on joint pipe shall have mechanical joint ends unless otherwise specified.

2.2 MISCELLANEOUS VALVES AND APPURTENANCES

A. Tapping Valves

1. General

Tapping valves shall be iron body, bronze mounted gate valves, non-rising stem, open left, resilient seat, 2-inch square operating nut for vertical mounting in approximately level setting on buried water lines. The valve ends shall be mechanical joint for use with ductile iron pipe on one side and standard flanged (Class 125) on the other. Valves shall conform to the applicable section of these specifications.

2. Disinfection of Tapping or Drilling Machine

Prior to tapping a potable water main, the drilling machine's pilot drill, shell cutter, and cutter hub shall be sterilized in accordance with the following procedure:

Four gallons of potable water shall be combined with 8 oz. of sodium hypochlorite (household bleach); the pilot drill, shell cutter and cutter hub shall be swabbed until clean or totally immersed in the sterilizing solution and allowed to remain wet at least five minutes before tapping operation commences. It is not necessary to rinse the sterilizing solution from tapping components prior to use.

3. Hydrostatic and Leakage Test

After installing a tapping sleeve and valve, and prior to tapping of a pressurized main, a

hydrostatic and leakage test shall be performed. The test will be conducted by introducing water into tap or test hole located at the neck of the outlet half of the sleeve, on sleeves furnished with said tap, and with the tapping valve in the closed position. Sleeves shall be provided with a test plug. The sleeve and valve shall be capable of maintaining a test pressure of 150 psi for 30 minutes duration with no sign of visible leaks. All leaks shall be repaired by removing and replacing defective items with items free of defects, after which the sleeve and valve shall be re-tested. Such repair and re-testing shall be done until the installation passes the specified test. The Contractor shall furnish and install any necessary temporary restraints, gauges, pumps, and other incidental and appurtenant items necessary to complete this work and shall remove same upon completion of the test. A watertight plug shall then be inserted into the test hole.

B. Ball Valves

Ball valves shall be limited to 3/4 inch through 2 inches in size and shall have cast bronze body, bronze tee head, stem with check, full roundway opening and provisions for locking in a closed position. Ball valves for use with copper services shall have an inlet connection with a flare nut fitting for Type K copper tubing and an outlet connection with female iron pipe thread or shall have an inlet connection with a compression joint (insert stiffener will be used with plastic service connections) and an outlet connection with female iron pipe thread. Ball valves for use with Schedule 40 PVC pipe shall have an outlet connection with female iron pipe threads and an inlet connection with either a compression joint or female iron pipe threads. The latter will require the use of an approved Schedule 40 PVC Adapter (MIPT X SLIP). Compression joints will require insert stiffeners. Below grade ball valves on water mains must have two inch (2") operating nuts and be installed in standard valve boxes.

C. Service or Tapping Saddle

Water services to be made with service saddle for C.I. or AC to be double strapped JCM 402, Mueller H- 10500, Smith-Blair 313, or Ford 202 and must be CC threads (AWWA) unless otherwise indicated in the contract plans.

Service saddles for PVC C-900 water pipe are Mueller (H-134—series or Ford S90). Taps to existing water mains will be made with an approved stainless steel tapping sleeve and resilient seat tapping valve.

Taps to existing water mains will be made with an approved stainless steel tapping sleeve and resilient seat tapping valve.

D. Air Release Valves

The air and vacuum valves shall be installed as shown on the Drawings. The valves shall have a cast iron body and cover, 316 stainless steel float, bronze water deffuser Buna-N or Viton seat and all other parts 316 stainless steel. The fittings shall be threaded. Valves shall be provided with a vacuum check to prevent air from reentering the line.

The air and vacuum valve shall be designed for a minimum working pressure of 150 psi. The air release valves shall be Model 200WD as manufactured by APCO Valve and Primer Corporation, Schaumburg, Illinois; Model 45VC by Val-Matic Valve and Manufacturing Corporation, Lyons, Illinois or equal.

E. Automatic Air Release Valves

Automatic air-release valves shall be of the type that automatically releases accumulated air, gas or vapor under pressure during system operation and shall be of the size shown on the approved Drawings or Standard Details. The internal mechanism shall be the compound lever type to permit the valve to open under pressure to vent pockets of entrapped air, gas or vapor as they accumulate. The compound mechanism shall be activated by a stainless steel float to lift the Buna-N needle to shut-off the air release orifice. Linkage shall be stainless steel. The air release valves shall be designed for a minimum working pressure of 150 psi. The valves shall be supplied with a bronze isolation shut-off ball valve.

The valve shall have a cast iron body and cover, stainless steel internal mechanisms and Teflon coated inner lining.

Automatic air release valves shall be as Model 200 (for clean water service) or Model 400 SARV (for sewer service) by APCO Valve and Primer Corp., Schaumburg, IL; or similar models by Val-Matic Valve and Manufacturing Corp., Elmhurst, IL; or Engineer approved equal.

2.3 FIRE HYDRANTS

A. General

Fire hydrants shall be 4 ½ inch ductile iron body, fully bronze mounted, for 150 psi working pressure, complying with AWWA Standard C502. Fire hydrants to be Mueller #A421 or #A423, Clow Medallion, or M&H AWWA C-502 style 129 Traffic Model, 4½" main valve size. Unless otherwise stated, all drain holes must be rocked with 57 stone. The inlet connection shall be mechanical joint type, with accessories, for 6-inch ductile iron pipe. The hydrant foot shall be epoxy coated and have integral cast tie-back lugs. The integral shut-off valve shall be compression type opening against water pressure, right hand openings. Valve diameter and general interior design shall be sufficient to provide head loss/flow quantity ratios less than specified in the above cited Standard. The main valve seat and the threaded portion of the hydrant into which it screws shall be bronze. The hydrant barrel drain valve and port shall be bronze. The hydrant barrel drain shall be actuated by operation of the main valve stem. The stem operating threads and thrust bearing shall be sealed by "O" rings, from exposure to moisture and shall be provided with means for lubrication. The hose nozzles shall be bronze with National Standard fire hose coupling screw threads, one 4-inch pumper nozzle and two 2 ½ inch hose nozzles. The hydrant operating nut and nozzle cap nuts shall be 1¼" square. Pipe used for fire hydrant laterals shall be ductile iron Pressure Class 350, or Class 150 DR18 PVC. Tees and bends leading to fire hydrants shall be ductile iron only. The nozzle caps shall be securely chained to the hydrant barrel. The chains shall be free from rust or corrosion and painted to match the color of the hydrant. The hydrants shall be "Traffic" type with a frangible flange or lugs and operating stem section at the ground line. The hydrant shall be painted with the above ground finish color "Traffic Yellow".

B. Installation

Fire hydrants shall be installed at the locations shown on the drawings in accordance with the Town of Ridgeland Standard Details.

C. Independent Valve

Independent valve furnished with each hydrant shall be 6-inch, non-rising stem gate valve with mechanical joint ends in conformance with the sub-section entitled "Gate Valves" of these specifications. Independent valves shall be provided with a cast iron valve box in conformance with the sub-section entitled "Valve Boxes".

D. Hydrostatic and Leakage Test

Hydrostatic and leakage tests shall be conducted in accordance with AWWA C502, Section 5.

2.4 VALVE BOXES

A. General

The Contractor shall furnish, assemble and install a valve box for each buried valve. Each valve box installed in non-paved areas shall be installed with a 24-inch round, 6-inch-thick concrete collar with #4 reinforcing bars, poured around the top of the valve box cover. The concrete shall have a minimum strength of 3000 psi. Provide brass identification tag with "Water", or "Sanitary" valve size and valve type epoxied or riveted to interior of valve box. Tag shall be 2-inch diameter, 1/8-inch-thick brass, located a maximum of 2 inches below the top of the valve box.

B. Valve Boxes

Adjustable valve boxes of suitable length shall be used. Cover shall be marked "Water" or "Sanitary". The top section shall be adjustable for elevation and shall be set to allow equal movement above and below finished grade. The base shall be centered over the valve and shall be online with a nut at the top of the valve stem and the entire assembly shall be plumb. Boxes for paved areas shall be cast iron. Boxes for non-paved areas may be PVC. Cast iron castings shall be manufactured of clean, even grain, gray cast iron conforming to ASTM Designation A48, Class 20B, Gray Iron Castings; and shall be smooth, true to pattern, free from blow holes, sand holes, projections, or other harmful defects and shall be coated with a single thin coat of coal tar epoxy. The cover will not rock after it has been seated in any position in its associated jacket.

C. Debris Cap

Debris caps shall be required in all valve boxes. The debris cap shall be comprised of a hollow member having a cylindrical outer surface, a closure for one end and three-point resilient contact pads projecting from the outer surface. One contact pad shall be movable by means of a cam having a low angle of advance whereby external forces applied to the cam via the movable contact pad will not cause rotation of said cam. The cap shall have a flexible skirt providing an outward seal preventing debris from getting past the cap. The cap must withstand without slippage, a minimum vertical force of 50 lbs. at a loading rate of 1.0 inches/minute. The cap shall have retaining prongs to retain a standard locating coil and shall be capable of installing a standard fitting for "Lock-out/Tag-out" in compliance to all standards and requirements of State and Federal OSHA guidelines.

2.5 BACKFLOW PREVENTION DEVICES

A. Backflow Preventers for Water Service

1. General: Backflow preventers shall work on the reduced pressure principle. The backflow preventer assembly shall consist of two (2) spring-loaded check valves, automatic differential pressure relief valve, drain valves and shut-off valves. The body material shall be bronze or cast iron for a working pressure of not less than 150 psi, with bronze or stainless-steel trim. Drain lines with air gaps shall be provided. Rock type hot box enclosure shall be provided to enclose backflow preventer assembly.
2. Manufacturers:
 - a. Febco, Fresno, CA.
 - b. Hersey, Cleveland, NC.

- c. Ames, Woodland, CA.
- d. Watts Regulator Co., N. Andover, MA.
- e. Wilkins, Paso Robles, CA.
- f. Conbraco, Matthews, NC.

PART 3 - WARRANTY

3.1 MATERIAL WARRANTY

The manufacturer of materials furnished on the project shall supply to the Town of Ridgeland a one (1) year unconditional warranty. The warranty shall be limited to the material which shall constitute complete replacement and delivery to the site of materials only to replace defective materials with new materials conforming to the specifications. This warranty is contingent upon determination of failure by a private independent testing laboratory. The testing shall prove that the failure was caused by failure of the material. The testing laboratory shall be selected by and agreed upon by both parties involved. This warranty is in addition to any warranty required for pipe linings herein before specified.

3.2 CONTRACTOR WARRANTY

The Contractor shall supply to the Town of Ridgeland one (1) year unconditional warranty. The warranty shall include materials and installation and shall constitute complete replacement and delivery to the site of materials and installation of same to replace defective materials or defective workmanship with new materials/workmanship conforming to the specifications.

END OF SECTION 02661

SECTION 02961

TEMPORARY SEWER BYPASS PUMPING OPERATIONS

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. The Contractor shall design and furnish all tools, supplies, materials, labor, equipment, power, fuel, and maintenance necessary for the installation, testing, placing into operation, maintaining, and monitoring of a temporary bypass pumping system for the purpose of diverting the existing sewer flows around work areas for the project. At no point during the setup, installation, operation, or demobilization of the temporary bypass pumping systems shall interruption of the sewer flow upstream or downstream of the bypassing location be caused. Should such interruption or backup of existing sewer infrastructure occur, Contractor shall provide all equipment and vacuum/pumper trucks which may be necessary to reduce the potential for sewer spills and maintain the up and downstream flows, and properly dispose of all collected sewage.
- B. The design, installation, operation, and monitoring of the temporary bypass pumping system shall be the Contractor's responsibility. The Contractor shall employ the services of a vendor who can demonstrate to the Owner and Engineer that it specializes in the design and operation of temporary bypass pumping systems. The vendor shall provide at least five (5) references of projects of a similar size and complexity as this project performed by the vendor's firm within the past ten years.
- C. The bypass system shall meet the requirements of all Federal, State, and Local codes and regulatory agencies having jurisdiction.
- D. Measurement and Payment: No separate payment shall be made for temporary bypass pumping operations. The cost of such operations shall be included in the appropriate unit price item.

1.2 DEFINITIONS

- A. "Interruption of pumping operations" is defined as any activity that will result in a change in the current method of operation. Contractor shall request such "interruption of pumping operations" from the Owner no less than ninety-six (96) hours in advance. The Owner may defer the request as allowed by Article 2.01 A. 4 of this Section.
- B. "Partial Utilization", "Substantial Completion", and "Warranty Period for Items in Continuous Service": Refer to the "Contract Documents" for definition.
- C. The terms "open, close, start, stop, operate, verify, energize, de-energize, transfer, switchover, etc" when used in conjunction with permanent equipment that is in-service or about to be placed in-service are understood to mean: Owner's operation or maintenance staff shall perform the operation upon written request from the Contractor.
- D. The term "operational test" refers to the period of specified duration that the installed system is tested to verify operational integrity of a system prior to placing the system in-service. Operational testing requires that representatives of the equipment manufacturers be on-site for timely identification and resolution of system issues.

- E. “Low Flow Period” refers to the time of day when the sewer flow rates in the system reaches the diurnal minimum. It typically occurs between the hours of 3 AM and 7 AM, but shall be verified by the Town of Ridgeland.

1.3 SUBMITTALS

- A. Bypass Pumping Plan: The Contractor shall submit to the Engineer detailed Drawings and shop drawings outlining all provisions and precautions to be taken by the Contractor regarding the handling of existing wastewater flows. The plan will be signed and sealed by a Professional Engineer registered in the state of South Carolina for all bypassing operations necessary for taking a Town of Ridgeland sewer system component offline. The plan shall be specific and complete, including such items as schedules, locations, elevations, capacities of equipment, materials, connections, fuel storage, and all other incidental items necessary and/or required to insure proper protection of Town of Ridgeland existing sewer infrastructure systems, and other relevant facilities, including protection of the access and bypass pumping locations. **No bypassing operations shall begin until all provisions and requirements have been reviewed and approved by the Town of Ridgeland and Engineer.** The plan shall include, but is not limited to, the following details:
1. Detailed drawings showing all required equipment and staging areas for pumps, tanks, fuel storage, and piping within facility sites or right-of-way areas or other approved areas;
 2. Plugging methods and types of plugs;
 3. Number, size, material, location and method of installation of suction piping;
 4. Number, size, material, method of installation and location of installation of discharge piping;
 5. Bypass pump sizes, capacity, number of each size to be on site and power/fuel requirements;
 6. Pump curves showing pump operating range are to be submitted;
 7. Thrust and restraint block sizes and locations as necessary in accordance with manufacturer/supplier of LineStops, Insert Valves, and other equipment to be installed within piping, if any;
 8. Sections showing suction and discharge pipe depth, embedment, select fill and special backfill, and any equipment necessary to maintain vehicular and construction equipment and activities; modification of existing structure including manholes to allow for efficient installation of bypass pumping equipment and operation.
 9. Method of noise control for each pump. Facilities are located within residential areas.
 10. Any temporary pipe supports and anchoring required;
 11. Design for access to bypass pumping locations indicated on the Drawings and/or specified herein;
 12. Calculations and selection of bypass pump pipe size(s); including static lift, friction

losses, and flow velocity (pump curves showing pump operating range shall be submitted);

13. Schedule for installation of and maintenance of bypass pumping lines.
14. Emergency plan for adverse weather and flooding for various phases of the Work and bypass system operation locations.
15. Contractors plan for providing continuous monitoring of the bypass pumping operations including qualifications of any onsite monitoring persons and specifications of any electronic monitoring operations. Automatic dialer shall be installed to notify emergency contacts.
16. Necessary restoration including repairs to existing structures which were modified to install and operate bypass pumping equipment.
17. Standby power generator size and location (for any electric pumps).

B. Sequence of Construction Plan

1. The Contractor shall develop a Sequence of Bypass System Operations regarding staging of piping connections and equipment. Under no circumstances shall the proposed Sequence of Bypass System Operations lead to an interruption of the pump stations or sewer collection system directly upstream of the bypass location or of the downstream operations at the influent pump station and WRF operations during the project.
2. Contractor shall submit the proposed Sequence of Construction to the Engineer for review and approval. The Sequence of Construction shall define work to be performed, including the following items:
 - a. Definition of the start date, duration and end date for each of the segments of the work.
 - b. For each segment of work, define activities to be performed by or witnessed by the Town of Ridgeland and date on which these activities are to be performed.
 - c. Scheduling/timing of manufacturer's field services, as specified.
3. Provide complete list of equipment and material that is required to perform each segment of work.

1.4 SPECIAL PRECAUTION

- A. The Contractor is notified that the bypass pumping operations are critical and must be maintained at all times. If any spills of raw wastewater occur due to the failure of the Contractor to maintain the temporary bypass pumping when needed, the Contractor shall be responsible for any fines levied on the Town of Ridgeland by the SC DES (formerly SCDHEC) or any other applicable agency.

PART 2 – PRODUCTS

2.1 PUMPING EQUIPMENT

A. General:

1. The noted project areas are critical parts of the Owner's sewer system and treatment operations and the flow conveyance must be kept in service at all times. It is essential to the operation of the existing wastewater system that there be no interruption in the conveyance of wastewater to and from any project work area throughout the duration of the project. To this end, the Contractor shall provide, maintain, operate, and monitor all temporary facilities such as dams, plugs, pumping equipment (both primary and back-up units as required), conduits, all necessary power/fuel, and all other labor and equipment necessary to intercept the wastewater flow before it reaches the point where it would interfere with the construction work, carry it past the work and return it to the existing system downstream of the work.
2. It is the Contractor's responsibility to provide equipment that is adequate for the performance of the temporary bypassing operations under this Contract within the time specified. All equipment shall be kept in satisfactory operating condition, shall be capable of safely and efficiently performing the required operations, and shall be subject to review by the Owner's representative at any time within the duration of the Contract. All operations hereunder shall conform to the applicable requirements of the OSHA Standards for construction.
3. Should the Contractor fail to maintain the continuous operation of the bypass pumping system and operations, the Owner shall repair/operate the bypass pumping system to maintain bypassing operation. Owner shall look to recover the costs for labor, materials, sewage hauling and any other activities required and costs incurred during operation/repair of the temporary bypass system from monies owed the Contractor for other portions of the project work.
4. Owner operational requirements take precedence over Contractor activities. Therefore, interruption of influent sewer flow to the Jimmy Mixson WRF will not be allowed and all bypassing operations shall be coordinated with and are subject to the operational requirements of the Owner.
5. The Contractor shall provide for utilities and services for its own operations. The Contractor shall furnish, install and maintain all temporary utilities during the contract period including removal upon completion of the project work.
6. Pumps used shall be fully automatic self-priming units that do not require the use of foot-valves in the priming system.
7. The pumps may be electric or diesel/fuel powered.
8. All pumps must have solar batteries and solar battery chargers for the bypass pump starters, both provided by the same manufacturer.
9. Each pump shall be fully enclosed with sound attenuated panels by the pump manufacturer (<69 db at 30 feet) due to the proximity to housing units.
10. All pumps used shall be constructed to allow dry running for long periods of time to

accommodate the cyclical nature of the flows.

11. All pumps shall be High Pressure Solids Handling Self-Priming Pumps as manufactured by Thompson Pump & Manufacturing Co., Inc., Godwin Pumps by Xylem, or Engineer approved equal.
 12. Furnish each pump with the necessary stop/start and liquid level controls.
 13. Each bypass location utilizing pumping systems shall have 100% supplemental pumping capability in standby for the entire required bypass capacity.
 - a) Jimmy Mixson WRF Influent Flows: Jimmy Mixson WRF permitted AADF is 1.6 MGD. Bypass pumping operations of the influent flow to the WRF shall provide equipment sufficient for peak flow capacity of 2xAADF or 3.2 MGD (2220 gpm). Standby equipment shall also have capacity for 3.2 MGD. Discharge condition to be determined based on approved bypass system layout and potentially include discharge directly to influent pump station wet well or tie-in to discharge bypass connection at influent pump station.
 14. Contractor shall not be permitted to stop or impede the sewer system flows under any circumstances except as otherwise defined and approved by Owner and Engineer under the sequence of construction. The Contractor shall maintain sewer flow around the work area in a manner that will not cause surcharging of sewers, damage to sewers and that will protect public and private property from damage and flooding.
 15. The Contractor shall protect water resources, wetlands and other natural resources.
- B. Temporary Bypass Pumping Requirements: The Contractor shall be responsible for the construction of the temporary bypass facilities as described herein and indicated on the Drawings. Bypass pumping system shall be operated 24 hours per day once put into operation until Owner and Engineer approve demobilization of system. **100% supplemental pumping capability shall be provided at each bypass location/installation in standby. Standby pump shall be piped and completely online, isolated only by a valve from the primary system. All Flow and TDH information shall be verified and approved prior to installing temporary bypass systems.**
- C. Additional Bypass Requirements:
1. All backup/standby pumps shall be piped into the suction and discharge piping/headers and shall be on-line and ready for use in the event they are needed.
 2. All bypass pumps (lead, lag, backup) shall each have a performance curve that meets or exceeds the performance curve for the operating conditions indicated in the bypass systems plan approved by Owner and Engineer.
 3. Contractor shall provide continuous monitoring of the bypass pumping operations whether by electronic monitoring operations or by personnel monitoring operations during entire period of active bypass operations to ensure continuous operation of the system. Automatic dialer shall be installed to notify emergency contacts.
 4. The bypass pumps shall be quiet models producing no more than 70 dBA at a distance of 30 feet.

5. Provide all necessary pipeline plugs, LineStops, Insert Valves, pumps of adequate size to handle peak flows, and temporary suction and discharge piping and fittings to ensure that the total current flow capacities indicated can be safely diverted around the project work area while the facility is modified and/or not in operation.
6. If removal or modification of any portion of the upstream manhole(s) is necessary to utilize as a suction location(s), contractor is responsible for securing the area and prohibiting public access to the manhole(s). Contractor shall restore the manhole(s) to pre-construction condition or as noted in the construction documents.
7. The Contractor shall make all arrangements for temporary bypass pumping operations during the time when the sewer infrastructure is shut down/offline for any reason..
8. Discharge Piping shall be constructed of steel, ductile iron, or polyethylene pipe with positive, restrained joints. Under no circumstances will aluminum “irrigation” type piping or glued PVC pipe be allowed. Discharge hose will only be allowed in short sections and by specific permission from the Owner/Engineer.
9. Operation: The bypass pumps shall have variable capacity by controlling the speed of the engine. Each pump shall have a separate control panel.
10. Provide vacuum and pressure gauges on the suction and discharge headers.
11. Provide controls to automatically start, stop, and vary the speed of the pump operations to suit the incoming flow conditions in accordance with the approved control sequence.
12. Control Sequence – Contractor shall coordinate with the Owner’s operations staff to determine appropriate set points and controls for temporary bypass pumping operations.
13. All fuel or power required for the bypass pumps is the responsibility of the Contractor. Pumps are to have adequate fuel and/or power at all times while onsite.

2.2 EMERGENCY RESPONSE

- A. Contractor shall provide technician(s) capable of maintaining and trouble- shooting the bypass system on-call in case of an emergency on a 24 hour basis to maintain or re-establish pump sets. Technician shall submit incident reports and turn them into the Owner within 24 hours of any incident.
- B. The Contractor and the Owner’s Representative shall be linked by cell phone 24 hours a day during the course of the bypass operations. Any alarms shall initiate a call to the Contractor and the Owner. Contractor and Owner shall each have a minimum of three (3) individuals listed within the “calling tree”. Starting with Contractor contacts, if the first contact does not confirm receipt of the alarm call, then the next contact shall be called until the alarm is either confirmed and/or all contacts are called. Owner’s link into the alarm status is only for informational purposes. The Contractor shall be responsible for all bypass alarm conditions and shall be required to resolve the condition that is causing the alarm to occur.

PART 3 – EXECUTION

3.1 PREPARATION

- A. The Contractor shall be responsible for locating any existing utilities in the area where the Contractor selects to locate the bypass pumps and pipelines. The Contractor shall locate the bypass pipelines to minimize any disturbance to existing utilities and shall obtain approval of the pipeline locations from Owner and the Engineer. All costs associated with relocating utilities and obtaining all approvals shall be paid by the Contractor. Construction activities shall not be impeded by bypass piping.
- B. During bypass pumping operations, the Contractor shall protect pump stations, gravity sewers, forcemains, and all infrastructure from damage inflicted by the Contractor's equipment and operations. The Contractor shall be responsible for all physical damage to the sewer facilities caused by human or mechanical failure.
- C. During bypass pumping, Contractor shall not allow sewage to be leaked, dumped, or spilled in or onto any area outside of the existing sanitary sewer system.
- D. In the event of accidental spill or overflow, immediately stop the discharge and take action to clean up and disinfect the spill. Contractor shall promptly notify the Owner and Engineer so that required reporting can be made.
- E. In the event of accidental spill or overflow, the Contractor is responsible for any damages that may have occurred to public or private property including cleaning, disinfection, and other corrections to the satisfaction of the Engineer at no cost to the Owner.

1.2 Special conditions

3.2 INSTALLATION AND REMOVAL

- A. The Contractor shall pipe sections or make connections to the suction and discharge structures and shall construct temporary bypass pumping structures only at the access locations indicated on the Drawings, as approved in the bypass systems plan and Sequence, and as may be required to provide an adequate suction and discharge conduit, unless otherwise approved by Owner and Engineer.
- B. As necessary, plugging or blocking of sewer flows shall be performed with the use of approved plugs for gravity pipes and with the use of LineStops and/or Insert Valves on forcemains which shall be installed by contractors approved by the Owner. When plugging or blocking is no longer needed for performance of the work, the plugs shall be removed in a manner that permits the sewer flow to slowly return to normal without surge, surcharging, or causing other major disturbances downstream.
- C. The installation of the bypass pipelines is prohibited in all wetland or ditch areas. When the bypass pipelines cross driveways or local streets, the Contractor must place the bypass pipelines in trenches and cover with traffic rated plates or temporary pavement. Contractor shall coordinate layout of equipment at the Town of Ridgeland's WRF with operations staff in order to avoid impacting routine WRF operations.
- D. At the conclusion of the bypass pumping operations, when all of the modifications to the sewer facilities are complete, tested, and ready for operation, the Contractor shall demonstrate the new system in automatic mode for 72 hours. At the completion of the demonstration period, and upon receipt of Engineer's written approval, the Contractor shall remove all the piping and

bypass pumping equipment, restore all property to pre- construction condition and restore all pavement.

3.3 CONTROL REQUIREMENTS

- A. Contractor shall provide back-up power (i.e. generator) for all electric bypass pumps utilized to complete the work. Contractor shall provide alarms for all bypass pumps used to complete the work. The Owner is not obligated to supply any equipment.
- B. Contractor shall provide continuous bypass monitoring for bypass pumps and backup bypass pumping system.
- C. Contractor shall provide 110 V power and phone service for operation of the autodialer during bypass pump operation.
- D. Contractor shall provide a high-level mercury float switch in the suction manhole for the bypass pumps. The mercury float switch shall be enclosed in a smooth, chemical resistant urethane or polypropylene casing suspended on its own cable. The cable shall be of proper length to reach from the float switch in the manhole to the autodialer location without splices. The autodialer location shall be approved by the Owner. Contractor shall bury the cable for the float switch in the trench with the bypass suction lines.

3.4 QUALITY CONTROL AND MAINTENANCE

- A. Testing: Contractor shall perform leakage and pressure tests of the bypass pumping discharge piping using clean water prior to actual operation. The Engineer and Owner shall be given 24 hours notice prior to testing.
- B. Inspection: Contractor shall inspect the bypass pumping system a minimum of twice daily, typically at the beginning and end of the work day, to ensure that the system is working correctly.
- C. Maintenance Service: Contractor shall insure that the temporary bypass pumping system is properly maintained and a responsible operator shall inspect the bypass pumping equipment a minimum of once daily during all times when pumps are operating.
- D. Monitoring: The Contractor shall be responsible for monitoring the bypass operations 24 hours per day, 7 days per week. All electronic monitoring must be detailed in the comprehensive written Bypass Pumping Plan and approved by the Owner and Engineer.
- E. Extra Materials: Spare parts for pumps and piping shall be kept on site as required. Adequate hoisting equipment for each pump and accessories shall be maintained on the site. Adequate diesel fuel storage for pumps shall be provided to maintain constant operations of the pumps.

3.5 SEQUENCE OF CONSTRUCTION

- A. Contractor shall thoroughly familiarize itself with all constraints of maintaining operations of the sewer facilities. Contractor shall propose a Sequence of Construction incorporating these constraints and secure concurrence of the Owner and Engineer prior to starting work.
- B. The Contractor shall submit a construction plan and schedule, which details the interruptions to be made which the Contractor shall be fully responsible for. One week prior to connections

being made to existing structures or pipes, a coordination meeting shall be held between the Contractor, Engineer, and Owner to discuss the approved construction plan.

- C. Schedule of construction, interconnecting details, and other revisions necessary for proper interfacing of the Work shall be subsequently modified by Contractor accounting for results of said coordination meeting. The Engineer and Owner shall be notified 24 hours prior to any actual interruptions or connections being made. No bypassing operations shall begin prior to securing the Owner's approval of respective connection plan and work schedule.

END OF SECTION 02961

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TOWN OF RIDGELAND
TILLMAN HIGHWAY FORCEMAIN AND WATERMAIN IMPROVMENTS
APPENDIX B

ARMY CORP OF ENGINEER PERMITS/LETTERS FOR
PERMIT (WATERMAIN)
PERMIT (FORCEMAIN)



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, CHARLESTON DISTRICT
CHARLESTON REGULATORY OFFICE
69-A HAGOOD AVENUE
CHARLESTON, SOUTH CAROLINA 29403

August 25, 2026

Regulatory Division
SAC-2026-00785

Dennis Averkin
Town of Ridgeland, SC
P.O. Box 1119
Ridgeland, SC 29936
Via email: daverkin@ridgelandsc.gov

Dear Dennis Averkin:

This letter is in response to the Pre-Construction Notification (PCN) you submitted to the Charleston District, Charleston Office, for a Department of the Army Nationwide permit (NWP) verification. This project has been assigned the file number SAC-2026-00785 and is known as Tillman Highway – Forcemain and Watermain Improvement. This file number should be referenced in all correspondence concerning this project.

A review of the information provided indicates that the proposed work would include the installation of a new sewer force main and water main through wetlands via trench excavation along Tillman Road. Specifically, this letter authorizes temporary impacts to 0.11-acre of wetlands (Wetland F), and the wetlands will be restored to pre-project contours and will be allowed to revegetate after installation. The lines will be installed via horizontal directional drilling (HDD) under two tributaries and other wetlands within alignment. The project area begins on Tarboro Road turning into Tillman Road for 2.6 miles, Latitude 32.482550° and Longitude -80.974830°; in Ridgeland, Jasper County, South Carolina.

We have determined that the proposed work is authorized by NWP 58, Utility Line Activities for Water and Other Substances, pursuant to authorities under Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. § 403), and/or Section 404 of the Clean Water Act (33 U.S.C. § 1344). The proposed work must be accomplished in strict accordance with the general permit conditions, any regional conditions, the special conditions listed in this letter, the application materials, and the drawing sheets 1-11 of 11 titled "SAC 2026-00785, Tillman Road Utility Water and Force Main, Jasper County" and dated April 25, 2025, and the latest revision August 13, 2026. If the extent of the project area and/or nature of the authorized impacts to waters are modified, a revised PCN must be submitted to this office for written approval before work is initiated. Any violation of permit conditions or deviation from your submitted plans may subject the permittee to enforcement action.

This verification is valid until March 15, 2031, unless prior to this date the subject NWP(s) is suspended, revoked, or is modified such that the activity no longer complies

with the terms and conditions of this NWP. If you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

Project Specific Special Conditions:

- a. That prior to beginning the authorized work the permittee must obtain and provide the Corps with a copy of all appropriate state certifications and/or authorizations (e.g. Coastal Zone Management Act concurrence, State Navigable Waters Permit, etc.). This PROVISIONAL NWP is NOT VALID until the permittee obtains and provides the requisite state certification(s) and/or authorization(s) in accordance with this special condition.
- b. That impacts to aquatic areas do not exceed those specified in the above mentioned PCN, including any supplemental information or revised permit drawings that were submitted to the Corps by the permittee.
- c. That the construction, use, and maintenance of the authorized activity is in accordance with the information given in the PCN, including the supplemental information listed above, and is subject to any conditions or restrictions imposed by this letter.
- d. That the permittee shall submit the attached signed compliance certification to the Corps within 30 days following completion of the authorized work.
- e. That the permittee shall incorporate Best Management Practices (BMPs) during construction to protect adjacent wetlands and Waters of the United States from sediment and erosion during construction. BMPs to be utilized, independently or in combination, may include but are not limited to; erosion control matting, mulch, silt fences, sediment tubes, and other devices. BMPs shall be maintained until the fill material is stabilized.
- f. In the event of a frac-out, the permittee will immediately implement and comply with the attached frac-out response plan entitled "Frac-Out Contingency Plan for the Tillman Highway Forcemain and Watermain Improvement for Water Course Crossing" prepared by Newkirk Environmental, Inc. and dated July 23, 2026.
- g. Prior to beginning the authorized work, the permittee must coordinate with the local NFIP flood plain manager and comply with FEMA requirements. A list of NFIP floodplain managers may be found at:
<http://www.dnr.sc.gov/water/flood/index.html>.
- h. The project area is located within the range of one or more species proposed for federal listing under the Endangered Species Act of 1973, as

amended (ESA). The permittee understands and agrees that should any of these species be reclassified as threatened or endangered by the U.S. Fish and Wildlife Service (USFWS) prior to completion of the authorized work, additional consultation may be required. In order to evaluate and address potential adverse effects to federally listed species, additional information and modification to the special conditions of this Department of the Army permit may be required.

This NWP verification does not preclude the necessity to obtain any other Federal, State, or local permits, licenses, and/or certifications, which may be required.

If you have any questions related to this verification or have issues accessing documents referenced in this letter, please contact me at 843-329-8190, or by email at lchantelle.carroll@usace.army.mil. Please take a moment to complete our customer satisfaction survey located at <https://regulatory.ops.usace.army.mil/customer-service-survey/>.

Sincerely,



L Chantelle Carroll
Project Manager

Enclosures:

Permit Drawings

NWP 58, Utility Line Activities for Water and Other Substances

Nationwide Permit General Conditions

Nationwide Permit Regional Conditions

Compliance Certification Form

401 Water Quality Certification

Frac out Contingency Plan

cc (w/enclosures)

Connor Breedlove, Newkirk Environmental Inc (via connor@newkirkenv.com)

SCDES – Bureau of Coastal Management

1362 McMillan Avenue, Suite 400

North Charleston, South Carolina 29405

OCRMPpermitting@des.sc.gov

SCDES-Bureau of Water

2600 Bull Street

Columbia, South Carolina 29201

WQCWetlands@des.sc.gov

General Conditions (33 CFR PART 320-330):

1. The time limit for completing the work authorized ends on **March 15, 2031 (NWP's)**.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit you must obtain the signature of the new owner on the transfer form attached to this letter and forward a copy to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow a representative from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

U.S. Army Corps of Engineers (USACE) CERTIFICATION OF COMPLIANCE WITH DEPARTMENT OF THE ARMY PERMIT For use of this form, see Section 404 of the Clean Water Act, Section 10 of the Rivers and Harbors Act of 1899, and Section 103 of the Marine Protection, Research, and Sanctuaries Act; the proponent agency is CECW-COR.		Form Approved - OMB No. 0710-0003 Expires 2027-10-31
The Agency Disclosure Notice (ADN)		
The Public reporting burden for this collection of information, 0710-0003, is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.		
PURPOSE: This form is used by recipients of U.S. Army Corps of Engineer Regulatory permits to certify compliance with the permit terms and conditions. Your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with this permit, you are subject to permit suspension, modification, or revocation.		
Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the U.S. Army Corps of Engineers, Charleston District, Regulatory Office. The certification can be submitted by email at <u>SAC.RD.Charleston@usace.army.mil</u> or by mail at the below address: U.S. Army Corps of Engineers Charleston District Office Street Address: 69-A Hagood Avenue City: Charleston State: South Carolina Zip Code: 29403		
COMPLETED BY THE CORPS		
Corps Action Number:	SAC-2026-00785	
Permit Type: <u>General Permit</u>		
General Permit Number and Name (<i>if applicable</i>):	<u>NWP 58, Utility Line Activities for Water and Other Substances</u>	
Name of Permittee:	<u>Dennis Averkin</u>	
Project Name:	<u>Tillman Highway – Forcemain and Watermain Improvement</u>	
Project Location (<i>physical address</i>):	<u>Tarboro Road turning into Tillman Road for 2.6 miles , Latitude 32.482550, Longitude - 80.974830</u> <u>Ridgeland, South Carolina</u>	
PERMITTEE'S CERTIFICATION		
Date Work Started: _____ Date Work Completed: _____ Enclose photographs showing the completed project (<i>if available</i>). I _____ hereby certify that the work authorized by the above referenced permit has been completed in accordance with all of the permit terms and conditions, and that any required compensatory mitigation has been completed in accordance with the permit conditions.		
Name	Date	Signature

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PERMITTED PLAN

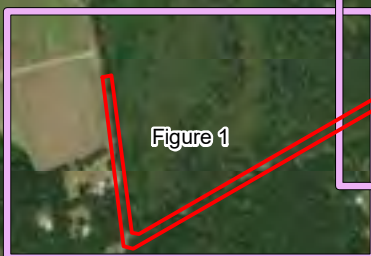


Figure 1

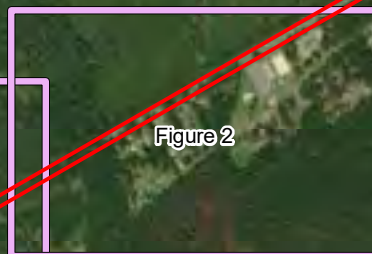


Figure 2



Figure 3



Figure 4

Legend

-  Project Boundary
-  Map Index

Tillman Road Utility Water and Sewer Project
Jasper County

Source: ESRI, Maxar, Earthstar Geographics, and the GIS User Community

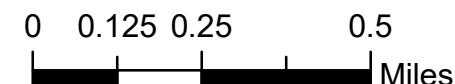


Tillman Road Utility Project Jasper County, South Carolina

Project #: 04-6030a Date: April 23 2025
Created by: CAB

Revised: 8/5/2026

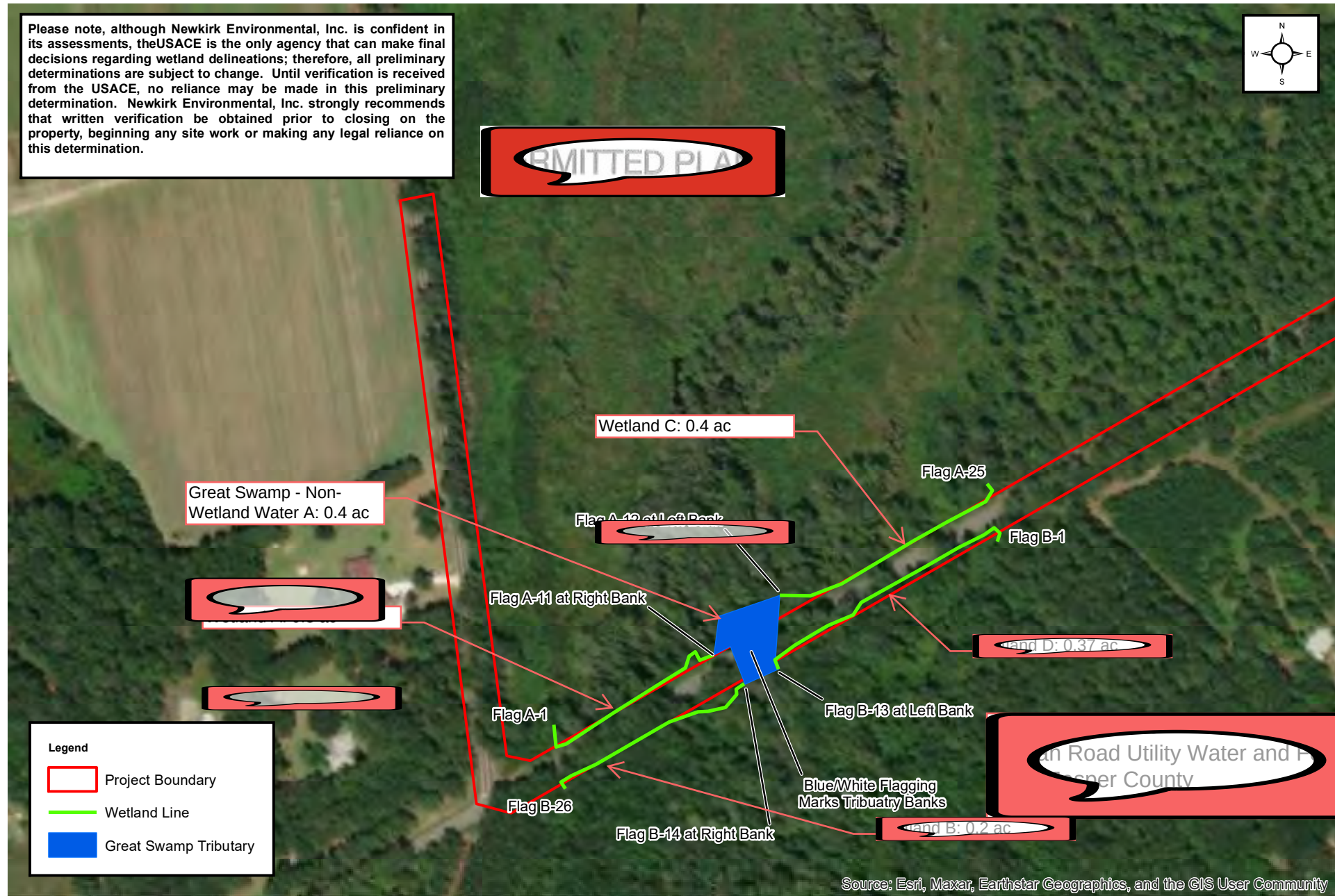
Index Map



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PERMITTED PL

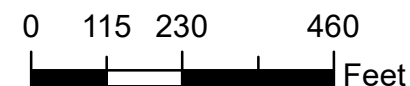


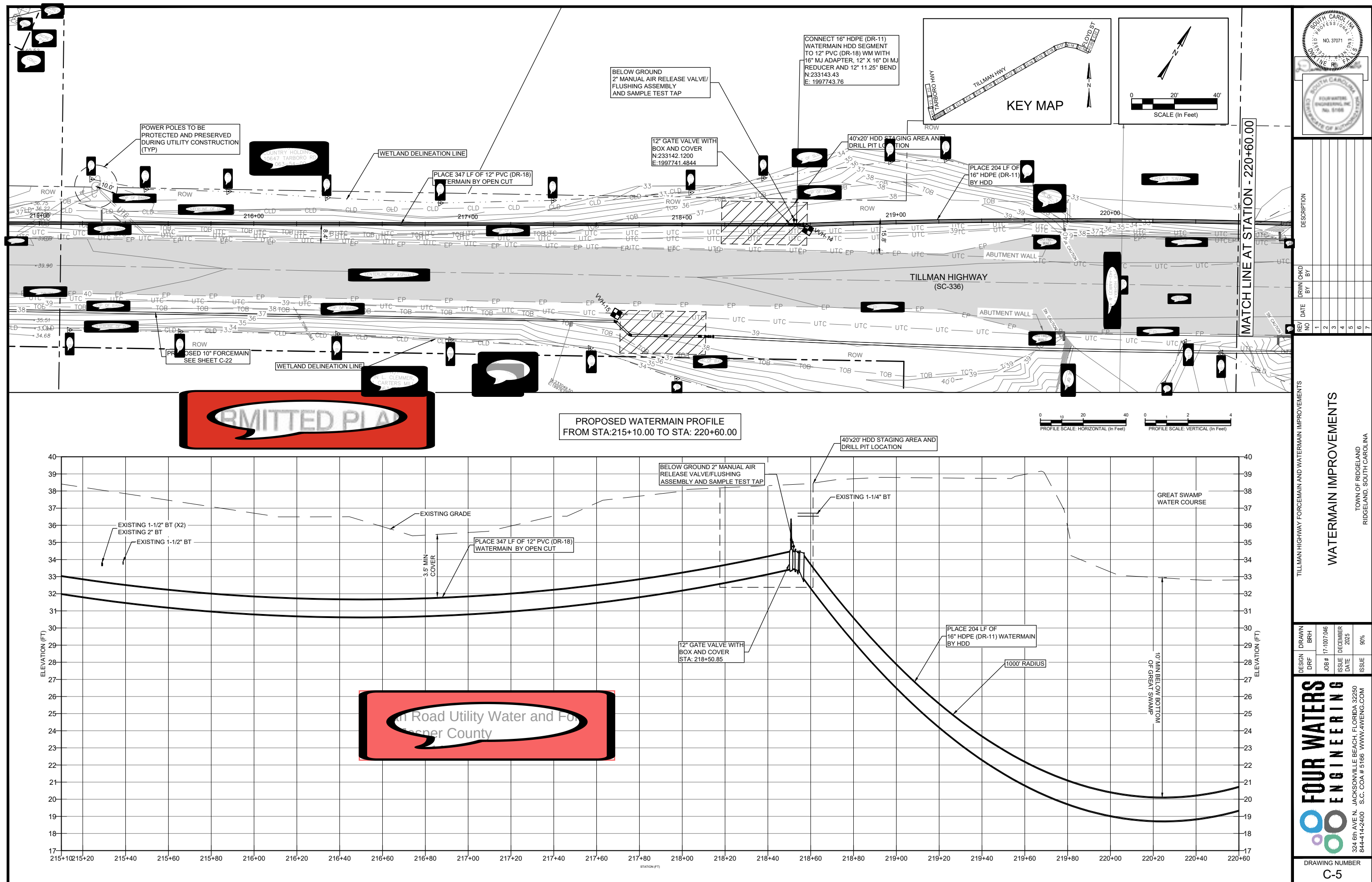
Tillman Road Utility Project Jasper County, South Carolina

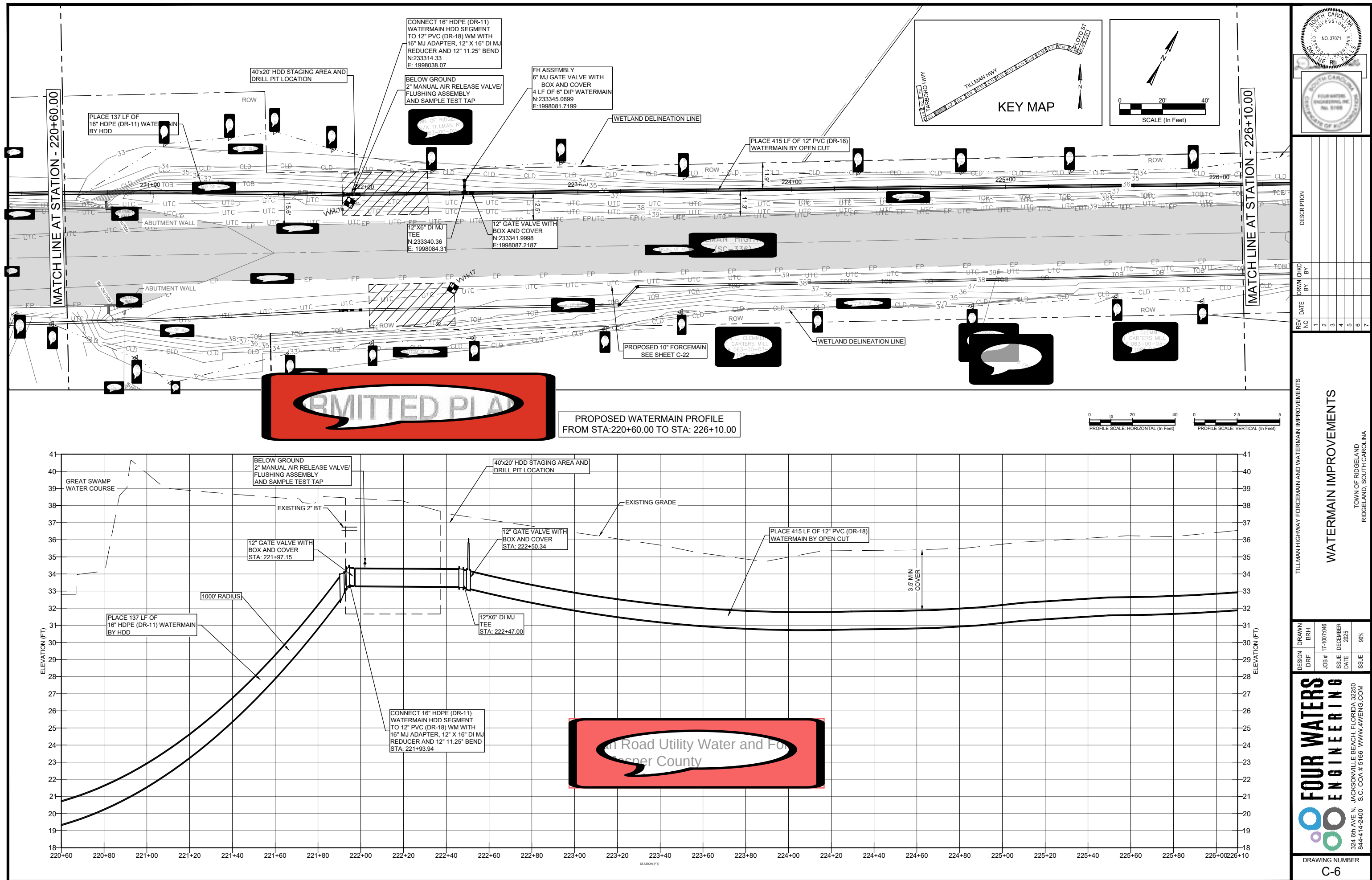
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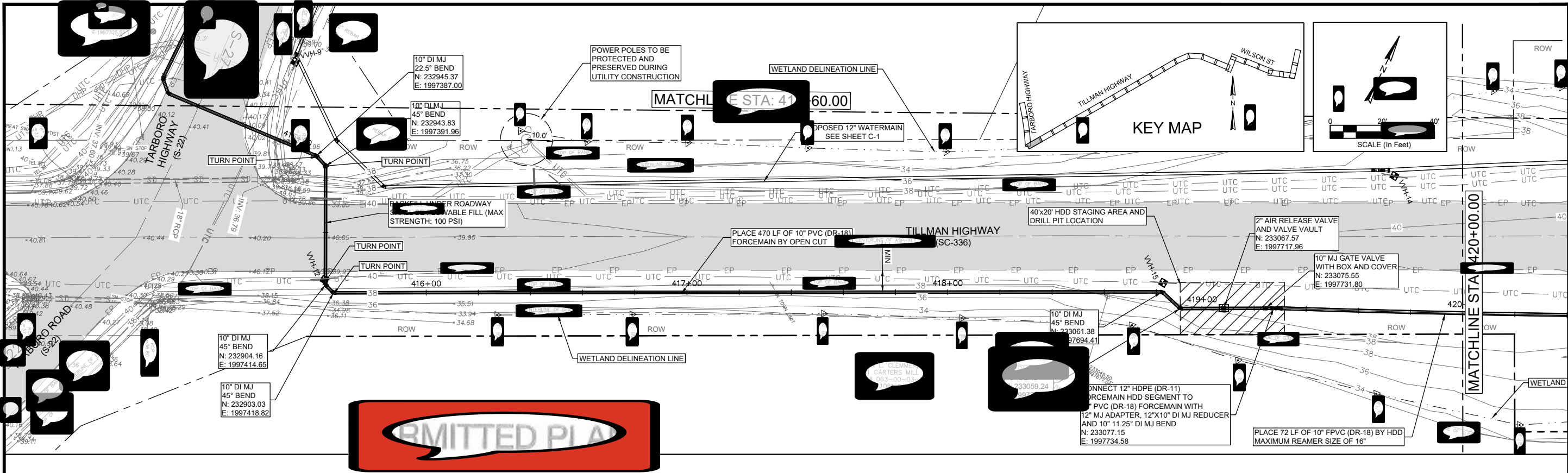
Revised: 8/5/2026

Figure 1

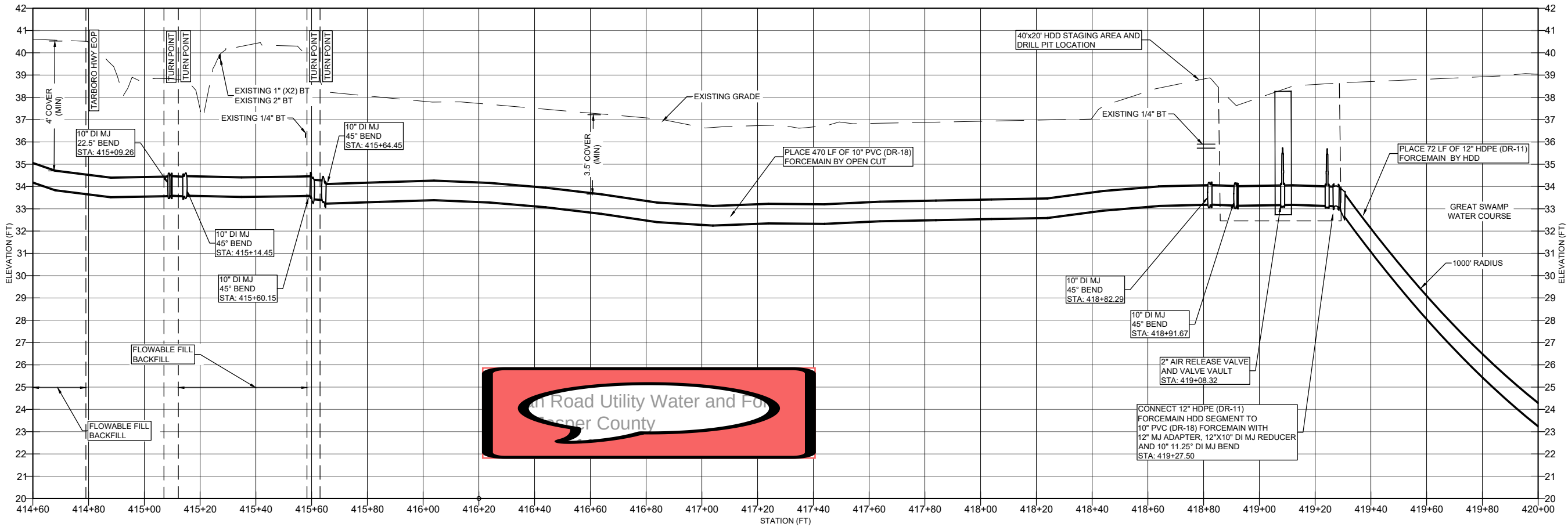








PROPOSED FORCEMAIN PROFILE
FROM STA:414+60.00 TO STA: 420+00.00



REV	NO	DATE	DESCRIPTION
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3	3		
4	4		
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TILLMAN HIGHWAY FORCEMAIN AND WATERMAIN IMPROVEMENTS

FORCEMAIN IMPROVEMENTS

TOWN OF RIDGELAND
RIDGELAND, SOUTH CAROLINA

DESIGN	DRAWN	BRH
DRF	17-1007-046	
JOB #	ISSUE	DATE
17-1007-046	DECEMBER	2025
ISSUE	DATE	ISSUE
1	2025	90%

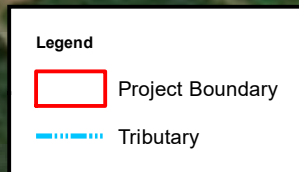
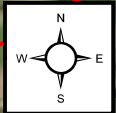
FOUR WATERS ENGINEERING

324 6th AVE. N. JACKSONVILLE BEACH, FLORIDA 32250
844-414-2400 S.C. COA # 5166 WWW.4WENG.COM

DRAWING NUMBER
C-26

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PERMITTED PL



Tillman Road Utility Water and For
Jasper County

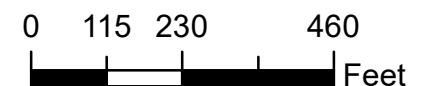


Tillman Road Utility Project Jasper County, South Carolina

Project #: 04-6030a Date: April 23 2025
Created by: CAB

Revised: 8/5/2026

Figure 2



Please note, although Newkirk Environmental, Inc. is confident in its assessments, the USACE is the only agency that can make final decisions regarding wetland delineations; therefore, all preliminary determinations are subject to change. Until verification is received from the USACE, no reliance may be made in this preliminary determination. Newkirk Environmental, Inc. strongly recommends that written verification be obtained prior to closing on the property, beginning any site work or making any legal reliance on this determination.



PERMITTED PLAT

Flag C-1

Flag C-6

Wetland E: 0.1 ac

Legend

- Project Boundary
- Wetland Line

Tillman Road Utility Water and Sewer Project
Jasper County

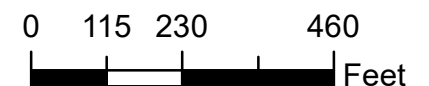


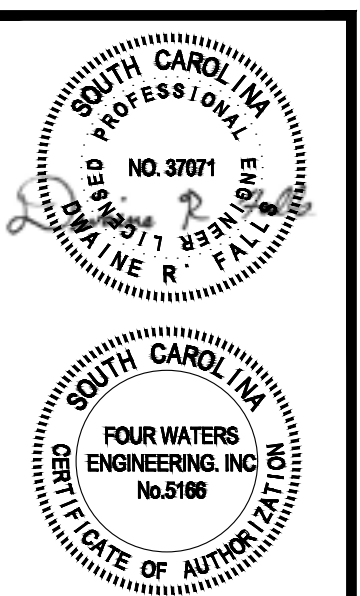
Tillman Road Utility Project
Jasper County, South Carolina

Project #: 04-6030a Date: April 23 2025
Created by: CAB

Revised: 8/5/2026

Figure 3



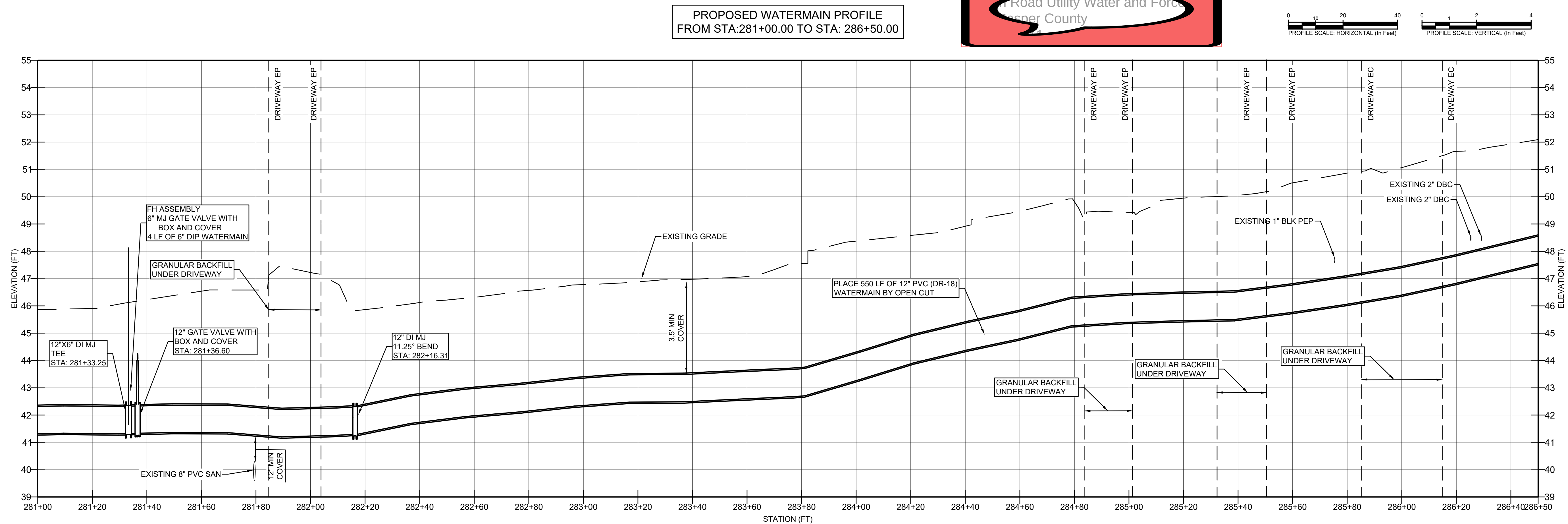


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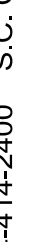
TILLMAN HIGHWAY FORCEMAIN AND WATERMAIN IMPROVEMENTS

WATERMAIN IMPROVEMENTS

TOWN OF RIDGELAND
RIDGELAND, SOUTH CAROLINA



DESIGN DRF	DRAWN BRH
JOB #	17-1007:046
ISSUE DATE	JULY 2026
ISSUE	BID

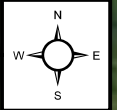


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DRAWING NUMBER
C-17

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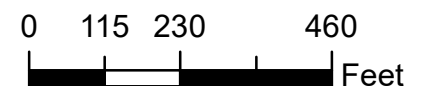


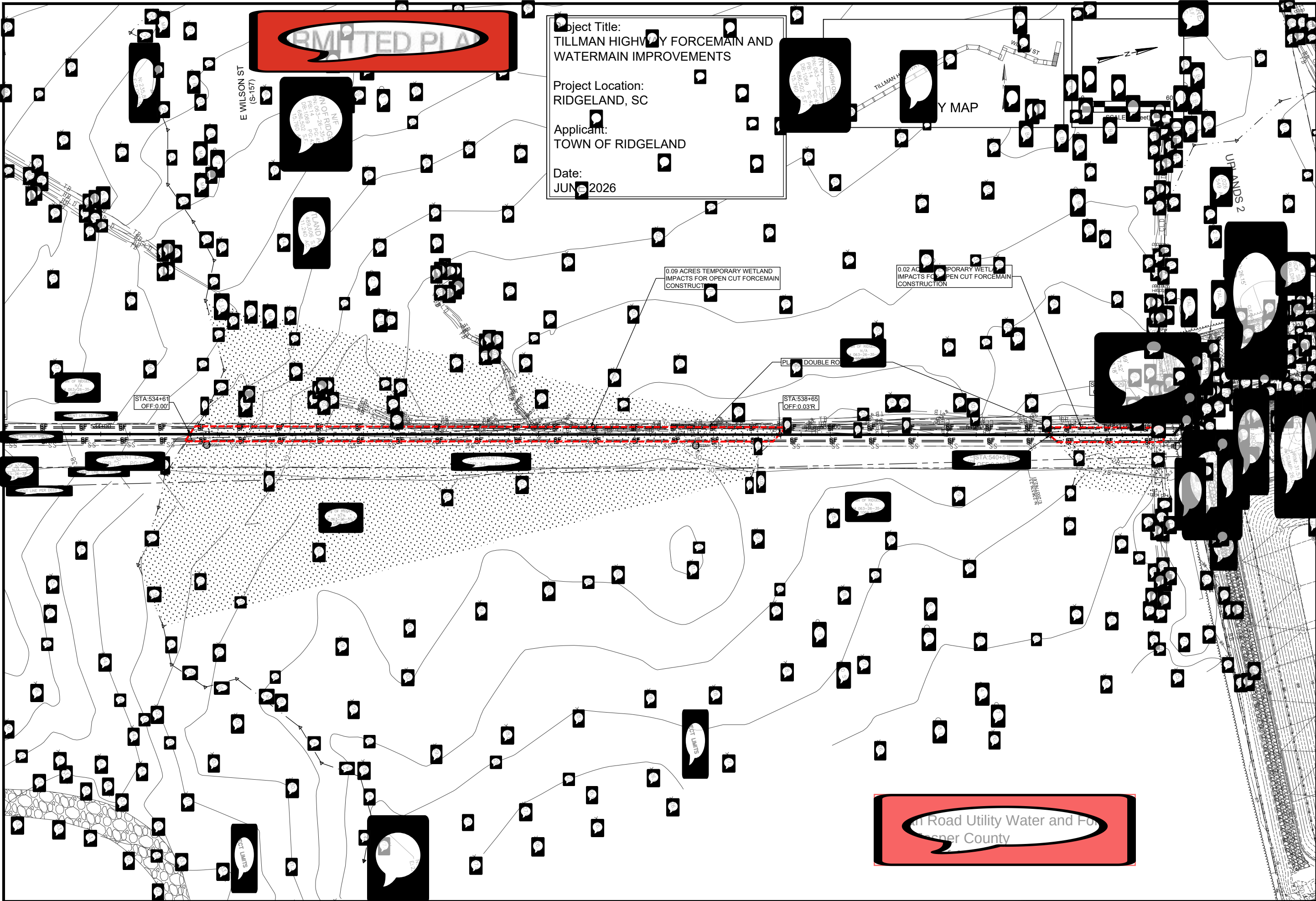
Tillman Road Utility Project
Jasper County, South Carolina

Project #: 04-6030a Date: April 23 2025
Created by: CAB

Revised: 8/5/2026

Figure 4





REV	NO	DATE	DESCRIPTION
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2	2		
3	3		
4	4		
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7	7		

TILLMAN HIGHWAY FORCEMAIN AND WATERMAIN IMPROVEMENTS

**FORCEMAIN IMPROVEMENTS
WETLAND IMPACT PLAN**

TOWN OF RIDGELAND
RIDGELAND, SOUTH CAROLINA

DESIGN	DRAWN
DRF	BRH
JOB # 17-1007-046	17-1007-046
ISSUE DATE	ISSUE DATE
ISSUE	ISSUE

**FOUR WATERS
ENGINEERING**

324 6th AVE. N. JACKSONVILLE BEACH, FLORIDA 32250
844-414-2400 S.C. COA # 5166 WWW.4WENG.COM

DRAWING NUMBER
FIG-1



SC DEPARTMENT of
**ENVIRONMENTAL
SERVICES**

July 21, 2026

Dennis Averkin
Town of Ridgeland
PO Box 1119
Ridgeland, SC 29936
daverkin@ridgelandsc.gov

Re: 401 Certification for Authorization Pursuant to Nationwide Permit 58 (Utility Line Activities for Water and Other Substances)

Applicant Permit ID No.: SAC 2026-00785

Applicant: Town of Ridgeland

County: Jasper

Project: Tillman Road Forcemain and Watermain Improvement Project

Dear Dennis Averkin:

On June 18, 2025, the U.S. Army Corps of Engineers (Corps) issued a proposed rule in the Federal Register (90 FR 26100) that announced the reissuance of 56 existing NWP's and the proposal to issue one new NWP. One NWP is not proposed for reissuance. In response to the June 18th proposed rule, the Department initiated actions to certify the proposed NWP's, the Department issued a final certification in accordance with Section 401 of the Federal Clean Water Act (CWA), as amended, and a certification of consistency with the Coastal Zone Management Act (48-39-10 et.seq.).

On January 8, 2026, the Corps published a final rule in the Federal Register (91 FR 768). In this notice, the Corps announced that it was reissuing 56 of 57 existing NWP's with some modifications and associated general conditions and definitions, and to create one new NWP.

On January 7, 2026, the Corps' Charleston District issued their Final Regional Conditions for the 57 NWP. In that notice, the Charleston District denied the Section 401 Water Quality Certification (401 Certification) for NWP 12, 14, 23, 29, 39, 44, 46, 57, and 58 as well as the Coastal Zone Consistency (CZC) for NWPs 14, 29, 39, 42 and 51.

On March 24, 2026, a General State Certification to authorize activities in accordance with S.C. Code Ann. §§ 48-1-10 et seq. and S.C. Code Ann. Regulation 61-101, and S.C. Code Ann. § 48-39-10 et seq. and the S.C. Coastal Zone Management Program document was issued by the South Carolina Department of Environmental Services (SCDES or the Department) for the Nationwide Permits (NWPs) 12, 14, 23, 29, 39, 44, 46, 57, and 58.

The Department has reviewed the above-reference project in accordance with the March 24, 2026 general certification and, provided the applicant adheres to the certification conditions outlined in the attached document, the Department has determined that there is a reasonable assurance that the work authorized will be conducted in a manner consistent with the certification requirements of Section 401 of the Clean Water Act.

If you have any questions, please email me at Morgan.Amedee@des.sc.gov.

Sincerely,

Morgan Amedee

Morgan D. Amedee
Water Quality Certification and Wetlands Section

cc: USACOE Charleston Regulatory Office
Connor Breedlove
BCM

Nationwide Permit Number 58: Utility Line Activities for Water and Other Substances

Proposed Conditions for the 401 Water Quality Certification:

1. This NWP is not certified for pipelines with more than 10 aquatic site crossings (not including directionally bored crossings).
2. This NWP is not certified for activities located in or adjacent to (as determined by SCDES) waters defined (as per Regulation 61-68) as Outstanding National Resource Waters (ONRW), Outstanding Resource Waters (ORW), Trout Waters or, SCDNR designated State Scenic Rivers.
3. This NWP is not certified for activities that cause the loss of more than 300 linear feet of stream bed.

Tillman Highway Forcemain and Watermain Improvements

Frac-Out Contingency Plan for Water Course Crossing

1. Purpose

The purpose of this Frac-Out Contingency Plan is to establish procedures for preventing, identifying, containing, and responding to inadvertent drilling fluid releases ("frac-outs") that may occur during horizontal directional drilling (HDD) operations beneath a typical water course crossing. This plan is intended to minimize environmental impacts, protect surface waters, and ensure compliance with applicable federal, state, and local environmental regulations.

2. Project Description

The proposed work consists of installing underground utility infrastructure using horizontal directional drilling beneath an existing drainage swale. The HDD crossing has been selected to minimize disturbance to the swale, maintain existing drainage patterns, and avoid open-cut excavation within the channel.

3. Potential Causes of Frac-Out

A frac-out may occur due to one or more of the following conditions:

- Excessive drilling fluid pressure.
- Weak or highly fractured soils.
- Shallow drilling depth.
- Unexpected subsurface conditions.
- Existing animal burrows or root channels.
- Improper drilling practices.

4. Preventive Measures

Prior to drilling operations, the Contractor shall:

- Review available geotechnical information.
- Verify the drill alignment and minimum cover beneath the swale.
- Utilize experienced HDD personnel.
- Maintain drilling fluid pressures at the minimum level necessary to advance the bore.
- Continuously monitor drilling fluid returns.
- Inspect the drainage swale before drilling begins to document existing conditions.
- Stage spill response equipment adjacent to the crossing before drilling commences.
- Conduct a pre-construction meeting with drilling personnel to review frac-out response procedures.

5. Monitoring During Drilling

A qualified designated representative shall continuously monitor the drainage swale throughout drilling operations. Monitoring activities shall include:

- Walking the swale before drilling begins.
- Observing the surface for drilling fluid seepage.
- Monitoring drilling fluid pressures and circulation.
- Inspecting downstream areas for evidence of turbidity or drilling mud.

- Maintaining communication with the drill operator throughout the crossing.

Monitoring shall continue until the drill head has completely passed beneath the drainage swale.

6. Response Procedures

If a frac-out is observed or suspected, the following actions shall be taken immediately:

Step 1 – Stop Operations

- Immediately cease drilling operations.
- Shut down drilling fluid pumps.
- Notify the HDD superintendent.

Step 2 – Assess the Situation

Determine:

- Location of the release.
- Estimated quantity of drilling fluid.
- Whether drilling fluid has entered flowing water.
- Potential for migration downstream.

Step 3 – Contain the Release

Implement appropriate containment measures, including:

- Install straw wattles or silt fence downgradient.
- Construct temporary earthen berms where practical.
- Place sandbags to prevent migration.
- Install turbidity curtains if standing water is present.
- Protect nearby storm drains and drainage structures.

Step 4 – Recover Drilling Fluid

Recover released drilling fluid using methods such as:

- Vacuum truck.
- Pumps.
- Shovels and hand tools.
- Absorbent materials where appropriate.

Recovered drilling fluid shall be transported to an approved disposal or recycling facility.

Step 5 – Stabilize the Area

After recovery:

- Remove residual drilling mud.
- Restore disturbed vegetation.
- Repair erosion control measures.

- Stabilize disturbed soils with seed and mulch or other approved methods.

7. Notification Requirements

The Contractor shall immediately notify:

- Project Engineer
- Owner/Utility Representative
- Environmental Inspector
- Regulatory agencies if required by permit conditions
- Emergency contacts identified in the project-specific environmental permits

Documentation shall include:

- Date and time of release.
- Estimated volume.
- Exact location.
- Cause of release.
- Corrective actions taken.
- Photographs before and after cleanup.

8. Equipment Required On-Site

The following equipment shall be maintained at the crossing during drilling:

- Vacuum truck (available on short notice)
- Straw wattles
- Silt fence
- Sandbags
- Plastic sheeting
- Shovels
- Pumps
- Five-gallon buckets
- Spill containment materials
- Erosion control blanket
- Seed and mulch
- Personal protective equipment (PPE)

9. Resumption of Drilling

Drilling operations shall not resume until:

- The release has been contained.
- Released drilling fluid has been recovered to the maximum extent practicable.
- The Project Engineer has authorized continuation.
- Drilling parameters have been modified to reduce the likelihood of recurrence.

Possible corrective actions include:

- Lower drilling fluid pressure.
- Adjust drilling fluid viscosity.

- Modify drilling rate.
- Alter bore profile where feasible.

10. Post-Construction Inspection

Following completion of the HDD crossing:

- Inspect the drainage swale for any remaining drilling fluid.
- Verify that drainage patterns have not been altered.
- Confirm erosion control measures remain functional.
- Complete final restoration of disturbed areas.
- Submit a written summary documenting any incidents and corrective actions.

11. Environmental Protection

Drilling fluids shall consist of environmentally acceptable materials, such as water and bentonite clay with approved biodegradable additives. No petroleum-based or hazardous additives shall be used. Every reasonable effort shall be made to prevent drilling fluids from entering waters of the United States or jurisdictional wetlands. Any inadvertent release shall be addressed immediately in accordance with this contingency plan and applicable permit requirements.

2026 Nationwide Permit General Conditions

Note: To qualify for NWP authorization, the prospective permittee must comply with the following general conditions, as applicable, in addition to any regional or case-specific conditions imposed by the division engineer or district engineer. Prospective permittees should contact the appropriate Corps district office to determine if regional conditions have been imposed on an NWP. Prospective permittees should also contact the appropriate Corps district office to determine the status of Clean Water Act Section 401 water quality certification and/or Coastal Zone Management Act consistency for an NWP. Every person who may wish to obtain permit authorization under one or more NWPs, or who is currently relying on an existing or prior permit authorization under one or more NWPs, has been and is on notice that all of the provisions of 33 CFR 330.1 through 330.6 apply to every NWP authorization. Note especially 33 CFR 330.5 relating to the modification, suspension, or revocation of any NWP authorization.

1. Navigation. (a) No activity may cause more than a minimal adverse effect on navigation.

(b) Any safety lights and signals prescribed by the U.S. Coast Guard, through regulations or otherwise, must be installed and maintained at the permittee's expense on authorized facilities in navigable waters of the United States.

(c) The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his or her authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

2. Aquatic Life Movements. No activity may substantially disrupt the necessary life cycle movements of those species of aquatic life indigenous to the waterbody, including those species that normally migrate through the area, unless the activity's primary purpose is to impound water. All permanent and temporary crossings of waterbodies shall be suitably culverted, bridged, or otherwise designed and constructed to maintain low flows to sustain the movement of those aquatic species. If a bottomless culvert cannot be used, then the crossing should be designed and constructed to minimize adverse effects to aquatic life movements.

3. Spawning Areas. Activities in spawning areas during spawning seasons must be avoided to the maximum extent practicable. Activities that result in the physical destruction (e.g., through excavation, fill, or downstream smothering by substantial turbidity) of an important spawning area are not authorized.

4. Migratory Bird Breeding Areas. Activities in waters of the United States that serve as breeding areas for migratory birds must be avoided to the maximum extent practicable.

5. Shellfish Beds. No activity may occur in areas of concentrated shellfish populations, unless the activity is directly related to a shellfish harvesting activity authorized by NWP 4 and 48, or is a shellfish seeding or habitat restoration activity authorized by NWP 27.

6. Suitable Material. No activity may use unsuitable material (e.g., trash, debris, car bodies, asphalt, etc.). Material used for construction or discharged must be free from toxic pollutants in toxic amounts (see section 307 of the Clean Water Act).

7. Water Supply Intakes. No activity may occur in the proximity of a public water supply intake, except where the activity is for the repair or improvement of public water supply intake structures or adjacent bank stabilization.

8. Adverse Effects From Impoundments. If the activity creates an impoundment of water, adverse effects to the aquatic system due to accelerating the passage of water, and/or restricting its flow must be minimized to the maximum extent practicable.

9. Management of Water Flows. To the maximum extent practicable, the pre-construction course, condition, capacity, and location of open waters must be maintained for each activity, including stream channelization, storm water management activities, and temporary and permanent road crossings, except as provided below. The activity must be constructed to withstand expected high flows, including tidal flows. The activity must not restrict or impede the passage of normal or high flows, including tidal flows, unless the primary purpose of the activity is to impound water or manage high flows. The activity may alter the pre-construction course, condition, capacity, and location of open waters if it benefits the aquatic environment (e.g., stream restoration or relocation activities).

10. Fills Within 100-Year Floodplains. The activity must comply with applicable FEMA-approved state or local floodplain management requirements.

11. Equipment. Heavy equipment working in wetlands or mudflats must be placed on mats, or other measures must be taken to minimize soil disturbance. If mats are used to minimize soil disturbance, the affected areas must be returned to pre-construction elevations, and revegetated as appropriate. In circumstances where the use of mats has caused significant soil compaction, efforts using techniques (e.g., soil reaeration techniques) to break up the compaction should be employed to return the soil to a pre-construction state prior to returning to pre-construction elevations.

12. Soil Erosion and Sediment Controls. Appropriate soil erosion and sediment controls must be used and maintained in effective operating condition during construction, and all exposed soil and other fills, as well as any work below the ordinary high water mark or high tide line, must be permanently stabilized at the earliest practicable date. Permittees are encouraged to perform work within waters of the United States during periods of low-flow or no-flow, or during low tides.

13. Removal of Temporary Structures and Fills. Temporary structures must be removed, to the maximum extent practicable, after their use has been discontinued. Temporary fills must be removed in their entirety and the affected areas returned to pre-construction elevations. The affected areas must be revegetated, as appropriate.

14. Proper Maintenance. Any authorized structure or fill shall be properly maintained, including maintenance to ensure public safety and compliance with applicable NWP general conditions, as well as any activity-specific conditions added by the district engineer to an NWP authorization.

15. Single and Complete Project. The activity must be a single and complete project. The same NWP cannot be used more than once for the same single and complete project.

16. Wild and Scenic Rivers. (a) No NWP activity may occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a “study river” for possible inclusion in the system while the river is in an official study status, unless the appropriate Federal agency with direct management responsibility for such river has determined in writing that the proposed activity will not adversely affect the Wild and Scenic River designation or study status.

(b) If a proposed NWP activity will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a “study river” for possible inclusion in the system while the river is in an official study status, the permittee must submit a pre-construction notification (see general condition 32). The district engineer will coordinate the PCN with the Federal agency with direct management responsibility for that river. Permittees shall not begin the NWP activity until notified by the district engineer that the Federal agency with direct management responsibility for that river has determined in writing that the proposed NWP activity will not adversely affect the Wild and Scenic River designation or study status.

(c) Information on Wild and Scenic Rivers may be obtained from the appropriate Federal land management agency responsible for the designated Wild and Scenic River or study river (e.g., National Park Service, U.S. Forest Service, Bureau of Land Management, U.S. Fish and Wildlife Service). Information on these rivers is also available at: <http://www.rivers.gov/>.

17. Tribal Rights. No activity or its operation may impair reserved tribal rights, including, but not limited to, reserved water rights and treaty fishing and hunting rights.

18. Endangered Species. (a) No activity is authorized under any NWP which is likely to directly or indirectly jeopardize the continued existence of a threatened or endangered species or a species proposed for such designation, as identified under the federal Endangered Species Act (ESA), or which will directly or indirectly destroy or adversely modify designated critical habitat or critical habitat proposed for such designation. No activity is authorized under any NWP which “may affect” a listed species or critical habitat, unless ESA section 7 consultation addressing the consequences of the proposed activity on listed species or critical habitat has been completed. See 50 CFR 402.02 for the definition of “effects of the action” for the purposes of ESA section 7 consultation.

(b) Federal agencies should follow their own procedures for complying with the requirements of the ESA (see 33 CFR 330.4(f)(1)). If pre-construction notification is required for the proposed activity, the federal permittee must provide the district

engineer with the appropriate documentation to demonstrate compliance with those requirements. The district engineer will verify that the appropriate documentation has been submitted. If the appropriate documentation has not been submitted, additional ESA section 7 consultation may be necessary for the activity and the respective federal agency would be responsible for fulfilling its obligation under section 7 of the ESA.

(c) Non-federal permittees must submit a pre-construction notification to the district engineer if any listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed such designation) might be affected or is in the vicinity of the activity, or if the activity is located in designated critical habitat or critical habitat proposed for such designation, and shall not begin work on the activity until notified by the district engineer that the requirements of the ESA have been satisfied and that the activity is authorized. For activities that might affect federally-listed endangered or threatened species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation), the pre-construction notification must include the name(s) of the endangered or threatened species (or species proposed for listing) that might be affected by the proposed activity or that utilize the designated critical habitat (or critical habitat proposed for such designation) that might be affected by the proposed activity. The district engineer will determine whether the proposed activity “may affect” or will have “no effect” to listed species and designated critical habitat and will notify the non-federal applicant of the Corps’ determination within 45 days of receipt of a complete pre-construction notification. For activities where the non-federal applicant has identified listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation) that might be affected or is in the vicinity of the activity, and has so notified the Corps, the applicant shall not begin work until the Corps has provided notification that the proposed activity will have “no effect” on listed species (or species proposed for listing or designated critical habitat (or critical habitat proposed for such designation), or until ESA section 7 consultation or conference has been completed. If the non-federal applicant has not heard back from the Corps within 45 days, the applicant must still wait for notification from the Corps.

(d) As a result of formal or informal consultation or conference with the FWS or NMFS the district engineer may add species-specific permit conditions to the NWP.

(e) Authorization of an activity by an NWP does not authorize the “take” of a threatened or endangered species as defined under the ESA. In the absence of separate authorization (e.g., an ESA Section 10 Permit, a Biological Opinion with “incidental take” provisions, etc.) from the FWS or the NMFS, the Endangered Species Act prohibits any person subject to the jurisdiction of the United States to take a listed species, where “take” means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct. The word “harm” in the definition of “take” means an act which actually kills or injures wildlife. Such an act may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering.

(f) If the non-federal permittee has a valid ESA section 10(a)(1)(B) incidental take permit with an approved Habitat Conservation Plan for a project or a group of projects that includes the proposed NWP activity, the non-federal permittee should provide a copy of that ESA section 10(a)(1)(B) permit with the PCN required by paragraph (c) of this general condition. The district engineer will coordinate with the agency that issued the ESA section 10(a)(1)(B) permit to determine whether the proposed NWP activity and the associated incidental take were considered in the internal ESA section 7 consultation conducted for the ESA section 10(a)(1)(B) permit. If that coordination results in concurrence from the agency that the proposed NWP activity and the associated incidental take were considered in the internal ESA section 7 consultation for the ESA section 10(a)(1)(B) permit, the district engineer does not need to conduct a separate ESA section 7 consultation for the proposed NWP activity. The district engineer will notify the non-federal applicant within 45 days of receipt of a complete pre-construction notification whether the ESA section 10(a)(1)(B) permit covers the proposed NWP activity or whether additional ESA section 7 consultation is required.

(g) Information on the location of threatened and endangered species and their critical habitat can be obtained directly from the offices of the FWS and NMFS or their web pages at <http://www.fws.gov/> or <http://www.fws.gov/ipac> and <http://www.nmfs.noaa.gov/pr/species/esa/> respectively.

19. Migratory Birds and Bald and Golden Eagles. The permittee is responsible for ensuring that an action authorized by an NWP complies with the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act. The permittee is responsible for contacting the appropriate local office of the U.S. Fish and Wildlife Service to determine what measures, if any, are necessary or appropriate to reduce adverse effects to migratory birds or eagles, including whether "incidental take" permits are necessary and available under the Migratory Bird Treaty Act or Bald and Golden Eagle Protection Act for a particular activity.

20. Historic Properties. (a) No activity is authorized under any NWP which may have the potential to cause effects on properties listed, or eligible for listing, in the National Register of Historic Places until the requirements of Section 106 of the National Historic Preservation Act (NHPA) have been satisfied.

(b) Federal permittees should follow their own procedures for complying with the requirements of section 106 of the National Historic Preservation Act (see 33 CFR 330.4(g)(1)). If pre-construction notification is required for the proposed NWP activity, the federal permittee must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements. The district engineer will verify that the appropriate documentation has been submitted. If the appropriate documentation is not submitted, then additional consultation under section 106 may be necessary. The respective federal agency is responsible for fulfilling its obligation to comply with section 106.

(c) Non-federal permittees must submit a pre-construction notification to the district engineer if the NWP activity might have the potential to cause effects on any historic properties listed on, determined to be eligible for listing on, or potentially eligible for listing on the National Register of Historic Places, including previously unidentified

properties. For such activities, the pre-construction notification must state which historic properties might have the potential to be affected by the proposed NWP activity or include a vicinity map indicating the location of the historic properties or the potential for the presence of historic properties. Assistance regarding information on the location of, or potential for, the presence of historic properties can be sought from the State Historic Preservation Officer, Tribal Historic Preservation Officer, or designated tribal representative, as appropriate, and the National Register of Historic Places (see 33 CFR 330.4(g)). When reviewing pre-construction notifications, district engineers will comply with the current procedures for addressing the requirements of section 106 of the National Historic Preservation Act. The district engineer shall make a reasonable and good faith effort to carry out appropriate identification efforts commensurate with potential impacts, which may include background research, consultation, oral history interviews, sample field investigation, and/or field survey. Based on the information submitted in the PCN and these identification efforts, the district engineer shall determine whether the proposed NWP activity has the potential to cause effects on historic properties. Section 106 consultation is not required when the district engineer determines that the activity does not have the potential to cause effects on historic properties (see 36 CFR 800.3(a)). Section 106 consultation is required when the district engineer determines that the activity has the potential to cause effects on historic properties. The district engineer will conduct consultation with consulting parties identified under 36 CFR 800.2(c) when he or she makes any of the following effect determinations for the purposes of section 106 of the NHPA: no historic properties affected, no adverse effect, or adverse effect.

(d) Where the non-federal applicant has identified historic properties on which the proposed NWP activity might have the potential to cause effects and has so notified the Corps, the non-federal applicant shall not begin the activity until notified by the district engineer either that the activity has no potential to cause effects on historic properties or that NHPA section 106 consultation has been completed. For non-federal permittees, the district engineer will notify the prospective permittee within 45 days of receipt of a complete pre-construction notification whether NHPA section 106 consultation is required. If NHPA section 106 consultation is required, the district engineer will notify the non-federal applicant that he or she cannot begin the activity until section 106 consultation is completed. If the non-federal applicant has not heard back from the Corps within 45 days, the applicant must still wait for notification from the Corps.

(e) Prospective permittees should be aware that section 110k of the NHPA (54 U.S.C. 306113) prevents the Corps from granting a permit or other assistance to an applicant who, with intent to avoid the requirements of section 106 of the NHPA, has intentionally significantly adversely affected a historic property to which the permit would relate, or having legal power to prevent it, allowed such significant adverse effect to occur, unless the Corps, after consultation with the Advisory Council on Historic Preservation (ACHP), determines that circumstances justify granting such assistance despite the adverse effect created or permitted by the applicant. If circumstances justify granting the assistance, the Corps is required to notify the ACHP and provide documentation specifying the circumstances, the degree of damage to the integrity of any historic properties affected, and proposed mitigation. This documentation must

include any views obtained from the applicant, SHPO/THPO, appropriate Indian tribes if the undertaking occurs on or affects historic properties on tribal lands or affects properties of interest to those tribes, and other parties known to have a legitimate interest in the impacts to the permitted activity on historic properties.

21. Discovery of Previously Unknown Remains and Artifacts. Permittees that discover any previously unknown historic, cultural or archeological remains and artifacts while accomplishing the activities authorized by NWP's, must immediately notify the district engineer of what they have found, and to the maximum extent practicable, avoid construction activities that may affect the remains and artifacts until the required coordination has been completed. The district engineer will initiate the federal, tribal, and state coordination required to determine if the items or remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

22. Designated Critical Resource Waters. Critical resource waters include, NOAA-managed marine sanctuaries and marine monuments, and National Estuarine Research Reserves. The district engineer may designate, after notice and opportunity for public comment, additional waters officially designated by a state as having particular environmental or ecological significance, such as outstanding national resource waters or state natural heritage sites. The district engineer may also designate additional critical resource waters after notice and opportunity for public comment.

(a) Discharges of dredged or fill material into waters of the United States are not authorized by NWP's 7, 12, 14, 16, 17, 21, 29, 31, 35, 39, 40, 42, 43, 44, 49, 50, 51, 52, 57 and 58 for any activity within, or directly affecting, critical resource waters, including wetlands adjacent to such waters.

(b) For NWP's 3, 8, 10, 13, 15, 18, 19, 22, 23, 25, 27, 28, 30, 33, 34, 36, 37, 38, and 54, notification is required in accordance with general condition 32, for any activity proposed by permittees in the designated critical resource waters including wetlands adjacent to those waters. The district engineer may authorize activities under these NWP's only after she or he determines that the impacts to the critical resource waters will be no more than minimal.

23. Mitigation. The district engineer will consider the following factors when determining appropriate and practicable mitigation necessary to ensure that the individual and cumulative adverse environmental effects are no more than minimal:

(a) The activity must be designed and constructed to avoid and minimize adverse effects, both temporary and permanent, to waters of the United States to the maximum extent practicable at the project site (i.e., on site).

(b) Mitigation in all its forms (avoiding, minimizing, rectifying, reducing, or compensating for resource losses) will be required to the extent necessary to ensure that the individual and cumulative adverse environmental effects are no more than minimal.

(c) Compensatory mitigation at a minimum one-for-one ratio will be required for all wetland losses that exceed 1/10-acre and require pre-construction notification, unless the district engineer determines in writing that either some other form of

mitigation would be more environmentally appropriate or the adverse environmental effects of the proposed activity are no more than minimal, and provides an activity-specific waiver of this requirement. For wetland losses of 1/10-acre or less that require pre-construction notification, the district engineer may determine on a case-by-case basis that compensatory mitigation is required to ensure that the activity results in only minimal adverse environmental effects.

(d) Compensatory mitigation at a minimum one-for-one ratio will be required for all losses of stream bed that exceed 3/100-acre and require pre-construction notification, unless the district engineer determines in writing that either some other form of mitigation would be more environmentally appropriate or the adverse environmental effects of the proposed activity are no more than minimal, and provides an activity-specific waiver of this requirement. This compensatory mitigation requirement may be satisfied through the restoration or enhancement of riparian areas next to streams in accordance with paragraph (e) of this general condition. For losses of stream bed of 3/100-acre or less that require pre-construction notification, the district engineer may determine on a case-by-case basis that compensatory mitigation is required to ensure that the activity results in only minimal adverse environmental effects. Compensatory mitigation for losses of streams should be provided, if practicable, through stream rehabilitation, enhancement, or preservation, because streams are difficult-to-replace resources (see 33 CFR 332.3(e)(3)).

(e) Compensatory mitigation plans for NWP activities in or near streams or other open waters will normally include a requirement for the restoration or enhancement, maintenance, and legal protection (e.g., conservation easements) of riparian areas next to open waters. In some cases, the restoration or maintenance/protection of riparian areas may be the only compensatory mitigation required. If restoring riparian areas involves planting vegetation, only native species should be planted. The width of the required riparian area will address documented water quality or aquatic habitat loss concerns. Normally, the riparian area will be 25 to 50 feet wide on each side of the stream, but the district engineer may require slightly wider riparian areas to address documented water quality or habitat loss concerns. If it is not possible to restore or maintain/protect a riparian area on both sides of a stream, or if the waterbody is a lake or coastal waters, then restoring or maintaining/protecting a riparian area along a single bank or shoreline may be sufficient. Where both wetlands and open waters exist on the project site, the district engineer will determine the appropriate compensatory mitigation (e.g., riparian areas and/or wetlands compensation) based on what is best for the aquatic environment on a watershed basis. In cases where riparian areas are determined to be the most appropriate form of minimization or compensatory mitigation, the district engineer may waive or reduce the requirement to provide wetland compensatory mitigation for wetland losses.

(f) Compensatory mitigation projects provided to offset losses of aquatic resources must comply with the applicable provisions of 33 CFR part 332.

(1) The prospective permittee is responsible for proposing an appropriate compensatory mitigation option if compensatory mitigation is necessary to ensure that the activity results in no more than minimal adverse environmental effects. For the

NWPs, the preferred mechanism for providing compensatory mitigation is mitigation bank credits or in-lieu fee program credits (see 33 CFR 332.3(b)(2) and (3)). However, if an appropriate number and type of mitigation bank or in-lieu credits are not available at the time the PCN is submitted to the district engineer, the district engineer may approve the use of permittee-responsible mitigation.

(2) The amount of compensatory mitigation required by the district engineer must be sufficient to ensure that the authorized activity results in no more than minimal individual and cumulative adverse environmental effects (see 33 CFR 330.1(e)(3)). (See also 33 CFR 332.3(f).)

(3) Since the likelihood of success is greater and the impacts to potentially valuable uplands are reduced, aquatic resource restoration should be the first compensatory mitigation option considered for permittee-responsible mitigation.

(4) If permittee-responsible mitigation is the proposed option, the prospective permittee is responsible for submitting a mitigation plan. A conceptual or detailed mitigation plan may be used by the district engineer to make the decision on the NWP verification request, but a final mitigation plan that addresses the applicable requirements of 33 CFR 332.4(c)(2) through (14) must be approved by the district engineer before the permittee begins work in waters of the United States, unless the district engineer determines that prior approval of the final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation (see 33 CFR 332.3(k)(3)). If permittee-responsible mitigation is the proposed option, and the proposed compensatory mitigation site is located on land in which another federal agency holds an easement, the district engineer will coordinate with that federal agency to determine if proposed compensatory mitigation project is compatible with the terms of the easement.

(5) If mitigation bank or in-lieu fee program credits are the proposed option, the mitigation plan needs to address only the baseline conditions at the impact site and the number of credits to be provided (see 33 CFR 332.4(c)(1)(ii)).

(6) Compensatory mitigation requirements (e.g., resource type and amount to be provided as compensatory mitigation, site protection, ecological performance standards, monitoring requirements) may be addressed through conditions added to the NWP authorization, instead of components of a compensatory mitigation plan (see 33 CFR 332.4(c)(1)(ii)).

(g) Compensatory mitigation will not be used to increase the acreage losses allowed by the acreage limits of the NWPs. For example, if an NWP has an acreage limit of 1/2-acre, it cannot be used to authorize any NWP activity resulting in the loss of greater than 1/2-acre of waters of the United States, even if compensatory mitigation is provided that replaces or restores some of the lost waters. However, compensatory mitigation can and should be used, as necessary, to ensure that an NWP activity already meeting the established acreage limits also satisfies the no more than minimal impact requirement for the NWPs.

(h) Permittees may propose the use of mitigation banks, in-lieu fee programs, or permittee-responsible mitigation. When developing a compensatory mitigation proposal, the permittee must consider appropriate and practicable options consistent with the framework at 33 CFR 332.3(b). For activities resulting in the loss of marine or estuarine resources, permittee-responsible mitigation may be environmentally preferable if there are no mitigation banks or in-lieu fee programs in the area that have marine or estuarine credits available for sale or transfer to the permittee. For permittee-responsible mitigation, the special conditions of the NWP verification must clearly indicate the party or parties responsible for the implementation and performance of the compensatory mitigation project, and, if required, its long-term management.

(i) Where certain functions and services of waters of the United States are permanently adversely affected by a regulated activity, such as discharges of dredged or fill material into waters of the United States that will convert a forested or scrub-shrub wetland to a herbaceous wetland in a permanently maintained utility line right-of-way, mitigation may be required to reduce the adverse environmental effects of the activity to the no more than minimal level.

24. Safety of Impoundment Structures. To ensure that all impoundment structures are safely designed, the district engineer may require non-federal applicants to demonstrate that the structures comply with established state or federal, dam safety criteria or have been designed by qualified persons. The district engineer may also require documentation that the design has been independently reviewed by similarly qualified persons, and appropriate modifications made to ensure safety.

25. Water Quality. (a) Where the certifying authority (state, authorized tribe, or EPA, as appropriate) has not previously certified compliance of an NWP with CWA section 401, a CWA section 401 water quality certification for the proposed activity which may result in any discharge from a point source into waters of the United States must be obtained or waived (see 33 CFR 330.4(c)). If the permittee cannot comply with all of the conditions of a water quality certification previously issued by the certifying authority for the issuance of the NWP, then the permittee must obtain a water quality certification or waiver for the proposed activity which may result in any discharge from a point source into waters of the United States in order for the activity to be authorized by an NWP.

(b) If the NWP activity requires pre-construction notification and the certifying authority has not previously certified compliance of an NWP with CWA section 401, the proposed activity which may result in any discharge from a point source into waters of the United States is not authorized by an NWP until water quality certification is obtained or waived. If the certifying authority issues a water quality certification for the proposed discharge into waters of the United States, the permittee must submit a copy of the certification to the district engineer. The discharge into waters of the United States is not authorized by an NWP until the district engineer has notified the permittee that the water quality certification requirement has been satisfied (i.e., by the issuance of a water quality certification or a waiver and completion of the Section 401(a)(2) process).

(c) The district engineer or certifying authority may require additional water quality management measures to ensure that the authorized activity does not result in more than minimal degradation of water quality.

26. Coastal Zone Management. In coastal states where an NWP has not previously received a state coastal zone management consistency concurrence, an individual state coastal zone management consistency concurrence must be obtained, or a presumption of concurrence must occur (see 33 CFR 330.4(d)). If the permittee cannot comply with all of the conditions of a coastal zone management consistency concurrence previously issued by the state, then the permittee must obtain an individual coastal zone management consistency concurrence or presumption of concurrence in order for the activity to be authorized by an NWP. The district engineer or a state may require additional measures to ensure that the authorized activity is consistent with state coastal zone management requirements.

27. Regional and Case-By-Case Conditions. The activity must comply with any regional conditions that may have been added by the division engineer (see 33 CFR 330.4(e)) and with any case specific conditions added by the Corps or by the state, Indian Tribe, or U.S. EPA in its CWA section 401 Water Quality Certification, or by the state in its Coastal Zone Management Act consistency determination.

28. Use of Multiple Nationwide Permits. The use of more than one NWP for a single and complete project is authorized, subject to the following restrictions:

(a) The total acreage loss of waters of the United States for a single and complete project cannot exceed the acreage limit of the NWP with the highest specified acreage limit when multiple NWPs are used to authorize an activity.

(b) If only one of the NWPs used to authorize the single and complete project has a specified acreage limit, the acreage loss of waters of the United States for that single and complete project cannot exceed that specified acreage limit. For example, if a road crossing over tidal waters is constructed under NWP 14 (which has an acreage limit of 1/3 acre in tidal waters), with associated bank stabilization authorized by NWP 13 (which does not have a specified acreage limit), the maximum acreage loss of waters of the United States for the total project cannot exceed 1/3-acre.

(c) If two or more of the NWPs used to authorize the single and complete project have specified acreage limits, the acreage loss of waters of the United States authorized by each of those NWPs cannot exceed the specified acreage limits of each of those NWPs. For example, if a commercial development is constructed under NWP 39 (which has a 1/2-acre limit), and the single and complete project includes the filling of a ditch authorized by NWP 46 (which has a 1-acre limit), the maximum acreage loss of waters of the United States for the construction of the commercial development under NWP 39 cannot exceed 1/2-acre, and the total acreage loss of waters of United States caused by the combination of the NWP 39 and NWP 46 activities cannot exceed 1 acre.

29. Transfer of Nationwide Permit Verifications. If the permittee sells the property associated with a nationwide permit verification, the permittee may transfer the nationwide permit verification to the new owner by submitting a letter to the appropriate

Corps district office to validate the transfer. A copy of the nationwide permit verification must be attached to the letter, and the letter must contain the following statement and signature:

“When the structures or work authorized by this nationwide permit are still in existence at the time the property is transferred, the terms and conditions of this nationwide permit, including any special conditions, will continue to be binding on the new owner(s) of the property. To validate the transfer of this nationwide permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.”

(Transferee)

(Date)

30. Compliance Certification. Each permittee who receives an NWP verification letter from the Corps must provide a signed certification documenting completion of the authorized activity and implementation of any required compensatory mitigation. The successful completion of any required permittee-responsible mitigation, including the achievement of ecological performance standards, will be addressed separately by the district engineer. The Corps will provide the permittee the certification document with the NWP verification letter. The certification document will include:

(a) A statement that the authorized activity was done in accordance with the NWP authorization, including any general, regional, or activity-specific conditions;

(b) A statement that the implementation of any required compensatory mitigation was completed in accordance with the permit conditions. If credits from a mitigation bank or in-lieu fee program are used to satisfy the compensatory mitigation requirements, the certification must include the documentation required by 33 CFR 332.3(l)(3) to confirm that the permittee secured the appropriate number and resource type of credits; and

(c) The signature of the permittee certifying the completion of the activity and mitigation.

The completed certification document must be submitted to the district engineer within 30 days of completion of the authorized activity or the implementation of any required compensatory mitigation, whichever occurs later.

31. Activities Affecting Structures or Works Built by the United States. If an NWP activity also requires review by, or permission from, the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers (USACE) federally authorized Civil Works project (a “USACE project”), the

prospective permittee must submit a pre-construction notification. See paragraph (b)(10) of general condition 32. An activity that requires section 408 permission and/or review is not authorized by an NWP until the appropriate Corps office issues the section 408 permission or completes its review to alter, occupy, or use the USACE project, and the district engineer issues a written NWP verification.

32. Pre-Construction Notification. (a) *Timing*. Where required by the terms of the NWP, the prospective permittee must notify the district engineer by submitting a pre-construction notification (PCN) as early as possible. The district engineer must determine if the PCN is complete within 30 calendar days of the date of receipt and, if the PCN is determined to be incomplete, notify the prospective permittee within that 30 day period to request the additional information necessary to make the PCN complete. The request must specify the information needed to make the PCN complete. As a general rule, district engineers will request additional information necessary to make the PCN complete only once. However, if the prospective permittee does not provide all of the requested information, then the district engineer will notify the prospective permittee that the PCN is still incomplete and the PCN review process will not commence until all of the requested information has been received by the district engineer. The prospective permittee shall not begin the activity until either:

(1) He or she is notified in writing by the district engineer that the activity may proceed under the NWP with any special conditions imposed by the district or division engineer; or

(2) 45 calendar days have passed from the district engineer's receipt of the complete PCN and the prospective permittee has not received written notice from the district or division engineer. However, if the permittee was required to notify the Corps pursuant to general condition 18 that listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation) might be affected or are in the vicinity of the activity, or to notify the Corps pursuant to general condition 20 that the activity might have the potential to cause effects to historic properties, the permittee cannot begin the activity until receiving written notification from the Corps that there is "no effect" on listed species or "no potential to cause effects" on historic properties, or that any consultation required under Section 7 of the Endangered Species Act (see 33 CFR 330.4(f)) and/or section 106 of the National Historic Preservation Act (see 33 CFR 330.4(g)) has been completed. If the proposed activity requires a written waiver to exceed specified limits of an NWP, the permittee may not begin the activity until the district engineer issues the waiver. If the district or division engineer notifies the permittee in writing that an individual permit is required within 45 calendar days of receipt of a complete PCN, the permittee cannot begin the activity until an individual permit has been obtained. Subsequently, the permittee's right to proceed under the NWP may be modified, suspended, or revoked only in accordance with the procedure set forth in 33 CFR 330.5(d)(2).

(b) *Contents of Pre-Construction Notification*: The PCN must be in writing and include the following information:

(1) Name, address and telephone numbers of the prospective permittee;

(2) Location of the proposed activity;

(3) Identify the specific NWP or NWP(s) the prospective permittee wants to use to authorize the proposed activity;

(4) (i) A description of the proposed activity; the activity's purpose; direct and indirect adverse environmental effects the activity would cause, including the anticipated amount of loss of wetlands, other special aquatic sites, and other waters expected to result from the NWP activity, in acres, linear feet, or other appropriate unit of measure; a description of any proposed mitigation measures intended to reduce the adverse environmental effects caused by the proposed activity; and any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity, including other separate and distant crossings for linear projects that require Department of the Army authorization but do not require pre-construction notification. The description of the proposed activity and any proposed mitigation measures should be sufficiently detailed to allow the district engineer to determine that the adverse environmental effects of the activity will be no more than minimal and to determine the need for compensatory mitigation or other mitigation measures.

(ii) For linear projects where one or more single and complete crossings require pre-construction notification, the PCN must include the quantity of anticipated losses of wetlands, other special aquatic sites, and other waters for each single and complete crossing of those wetlands, other special aquatic sites, and other waters (including those single and complete crossings authorized by an NWP but do not require PCNs). This information will be used by the district engineer to evaluate the cumulative adverse environmental effects of the proposed linear project, and does not change those non-PCN NWP activities into NWP PCNs.

(iii) Sketches should be provided when necessary to show that the activity complies with the terms of the NWP. (Sketches usually clarify the activity and when provided results in a quicker decision. Sketches should contain sufficient detail to provide an illustrative description of the proposed activity (e.g., a conceptual plan), but do not need to be detailed engineering plans);

(5) The PCN must include a delineation of waters, wetlands, and other special aquatic sites on the project site. Wetland delineations must be prepared in accordance with the current method required by the Corps. The permittee may ask the Corps to delineate the special aquatic sites and other waters on the project site, but there may be a delay if the Corps does the delineation, especially if the project site is large or contains many wetlands, other special aquatic sites, and other waters. Furthermore, the 45-day period will not start until the delineation has been submitted to or completed by the Corps, as appropriate. For NWP 27 activities that require PCNs because of other general conditions or regional conditions imposed by division engineers, see Note 2 of that NWP;

(6) If the proposed activity will result in the loss of greater than 1/10-acre of wetlands or 3/100-acre of stream bed and a PCN is required, the prospective permittee must submit a statement describing how the compensatory mitigation requirement will

be satisfied, or explaining why the adverse environmental effects are no more than minimal and why compensatory mitigation should not be required. As an alternative, the prospective permittee may submit a conceptual or detailed mitigation plan.

(7) For non-federal permittees, if any listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation) might be affected or is in the vicinity of the activity, or if the activity is located in designated critical habitat (or critical habitat proposed for such designation), the PCN must include the name(s) of those endangered or threatened species (or species proposed for listing) that might be affected by the proposed activity or utilize the designated critical habitat (or critical habitat proposed for such designation) that might be affected by the proposed activity. For NWP activities that require pre-construction notification, federal permittees must provide documentation demonstrating compliance with the Endangered Species Act;

(8) For non-federal permittees, if the NWP activity might have the potential to cause effects to a historic property listed on, determined to be eligible for listing on, or potentially eligible for listing on, the National Register of Historic Places, the PCN must state which historic property might have the potential to be affected by the proposed activity or include a vicinity map indicating the location of the historic property. For NWP activities that require pre-construction notification, federal permittees must provide documentation demonstrating compliance with section 106 of the National Historic Preservation Act;

(9) For an activity that will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a “study river” for possible inclusion in the system while the river is in an official study status, the PCN must identify the Wild and Scenic River or the “study river” (see general condition 16); and

(10) For an NWP activity that requires permission from, or review by, the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers federally authorized civil works project, the pre-construction notification must include a statement confirming that the project proponent has submitted a written request for section 408 permission from, or review by, the Corps office having jurisdiction over that USACE project.

(c) *Form of Pre-Construction Notification:* The nationwide permit pre-construction notification form (Form ENG 6082) should be used for NWP PCNs. A letter containing the required information may also be used. Applicants may provide electronic files of PCNs and supporting materials if the district engineer has established tools and procedures for electronic submittals.

(d) *Agency Coordination:* (1) The district engineer will consider any comments from federal and state agencies concerning the proposed activity’s compliance with the terms and conditions of the NWPs and the need for mitigation to reduce the activity’s adverse environmental effects so that they are no more than minimal.

(2) Agency coordination is required for: (i) all NWP activities that require pre-construction notification and result in the loss of greater than 1/2-acre of waters of the United States; (ii) NWP 13 activities in excess of 500 linear feet, fills greater than one cubic yard per running foot, or involve discharges of dredged or fill material into special aquatic sites; and (iii) NWP 54 activities in excess of 500 linear feet, or that extend into the waterbody more than 30 feet from the mean low water line in tidal waters or the ordinary high water mark in the Great Lakes.

(3) When agency coordination is required, the district engineer will immediately provide (e.g., via e-mail, facsimile transmission, overnight mail, or other expeditious manner) a copy of the complete PCN to the appropriate federal or state offices (FWS, state natural resource or water quality agency, EPA, and, if appropriate, the NMFS). With the exception of NWP 37, these agencies will have 10 calendar days from the date the material is transmitted to notify the district engineer via telephone, facsimile transmission, or e-mail that they intend to provide substantive, site-specific comments. The comments must explain why the agency believes the adverse environmental effects will be more than minimal. If so contacted by an agency, the district engineer will wait an additional 15 calendar days before making a decision on the pre-construction notification. The district engineer will fully consider agency comments received within the specified time frame concerning the proposed activity's compliance with the terms and conditions of the NWPs, including the need for mitigation to ensure that the net adverse environmental effects of the proposed activity are no more than minimal. The district engineer will provide no response to the resource agency, except as provided below. The district engineer will indicate in the administrative record associated with each pre-construction notification that the resource agencies' concerns were considered. For NWP 37, the emergency watershed protection and rehabilitation activity may proceed immediately in cases where there is an unacceptable hazard to life or a significant loss of property or economic hardship will occur. The district engineer will consider any comments received to decide whether the NWP 37 authorization should be modified, suspended, or revoked in accordance with the procedures at 33 CFR 330.5.

(4) In cases where the prospective permittee is not a federal agency, the district engineer will provide a response to NMFS within 30 calendar days of receipt of any Essential Fish Habitat conservation recommendations, as required by section 305(b)(4)(B) of the Magnuson-Stevens Fishery Conservation and Management Act.

(5) Applicants are encouraged to provide the Corps with either electronic files or multiple copies of pre-construction notifications to expedite agency coordination.

D. District Engineer's Decision

1. In reviewing the PCN for the proposed activity, the district engineer will determine whether the activity authorized by the NWP will result in more than minimal individual or cumulative adverse environmental effects or may be contrary to the public interest. If a project proponent requests authorization by a specific NWP, the district engineer should issue the NWP verification for that activity if it meets the terms and

conditions of that NWP, unless he or she determines, after considering mitigation, that the proposed activity will result in more than minimal individual and cumulative adverse effects on the aquatic environment and other aspects of the public interest and exercises discretionary authority to require an individual permit for the proposed activity. For a linear project, this determination will include an evaluation of the single and complete crossings of waters of the United States that require PCNs to determine whether they individually satisfy the terms and conditions of the NWP(s), as well as the cumulative effects caused by all of the crossings of waters of the United States authorized by an NWP. If an applicant requests a waiver of an applicable limit, as provided for in NWPs 13, 36, or 54, the district engineer will only grant the waiver upon a written determination that the NWP activity will result in only minimal individual and cumulative adverse environmental effects.

2. When making minimal adverse environmental effects determinations the district engineer will consider the direct and indirect effects caused by the NWP activity. He or she will also consider the cumulative adverse environmental effects caused by activities authorized by an NWP and whether those cumulative adverse environmental effects are no more than minimal. The district engineer will also consider site specific factors, such as the environmental setting in the vicinity of the NWP activity, the type of resource that will be affected by the NWP activity, the functions provided by the aquatic resources that will be affected by the NWP activity, the degree or magnitude to which the aquatic resources perform those functions, the extent that aquatic resource functions will be lost as a result of the NWP activity (e.g., partial or complete loss), the duration of the adverse effects (temporary or permanent), the importance of the aquatic resource functions to the region (e.g., watershed or ecoregion), and mitigation required by the district engineer. If an appropriate functional or condition assessment method is available and practicable to use, that assessment method may be used by the district engineer to assist in the minimal adverse environmental effects determination. The district engineer may add activity-specific conditions to the NWP authorization to address site-specific environmental concerns.

3. If the proposed NWP activity requires a PCN and will result in a loss of greater than 1/10-acre of wetlands or 3/100-acre of stream bed, the prospective permittee should submit a mitigation proposal with the PCN. Applicants may also propose compensatory mitigation for NWP activities with smaller impacts, or for impacts to other types of waters. However, compensatory mitigation shall not be required for activities authorized by NWP 27 because those activities must result in net increases in aquatic resource functions and services (see the text of NWP 27). The district engineer will consider any proposed compensatory mitigation or other mitigation measures the applicant has included in the proposal when determining whether the net adverse environmental effects of the proposed NWP activity are no more than minimal. The compensatory mitigation proposal may be either conceptual or detailed. If the district engineer determines that the proposed activity complies with the terms and conditions of the NWP and that the adverse environmental effects are no more than minimal, after considering mitigation, the district engineer will notify the permittee and include any activity-specific conditions in the NWP verification the district engineer deems necessary. Conditions for compensatory mitigation requirements must comply with the

appropriate provisions at 33 CFR 332.3(k). The district engineer must approve the final mitigation plan before the permittee commences work in waters of the United States, unless the district engineer determines that prior approval of the final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation. If the prospective permittee elects to submit a compensatory mitigation plan with the PCN, the district engineer will expeditiously review the proposed compensatory mitigation plan. The district engineer must review the proposed compensatory mitigation plan within 45 calendar days of receiving a complete PCN and determine whether the proposed mitigation would ensure that the NWP activity results in no more than minimal adverse environmental effects. If the net adverse environmental effects of the NWP activity (after consideration of the mitigation proposal) are determined by the district engineer to be no more than minimal, the district engineer will provide a timely written response to the applicant. The response will state that the NWP activity can proceed under the terms and conditions of the NWP, including any activity-specific conditions added to the NWP authorization by the district engineer.

4. If the district engineer determines that the adverse environmental effects of the proposed NWP activity are more than minimal, then the district engineer will notify the applicant either: (a) that the activity does not qualify for authorization under the NWP and instruct the applicant on the procedures to seek authorization under an individual permit; (b) that the activity is authorized under the NWP subject to the applicant's submission of a mitigation plan that would reduce the adverse environmental effects so that they are no more than minimal; or (c) that the activity is authorized under the NWP with specific modifications or conditions. Where the district engineer determines that mitigation is required to ensure no more than minimal adverse environmental effects, the activity will be authorized within the 45-day PCN review period (unless additional time is required to comply with general conditions 16, 18, 20, and/or 31), with activity-specific conditions that state the mitigation requirements. The authorization will include the necessary conceptual or detailed mitigation plan or a requirement that the applicant submit a mitigation plan that would reduce the adverse environmental effects so that they are no more than minimal. When compensatory mitigation is required, no work in waters of the United States may occur until the district engineer has approved a specific mitigation plan or has determined that prior approval of a final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation.



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, CHARLESTON DISTRICT
69A HAGOOD AVENUE
CHARLESTON, SOUTH CAROLINA 29403-5107

**FINAL REGIONAL CONDITIONS FOR THE 2026 NATIONWIDE
PERMITS IN CHARLESTON DISTRICT (SAC)**

Effective Date for Regional Conditions: March 15, 2026
Expiration Date for Regional Conditions: March 15, 2031

A. BACKGROUND

1. The following Regional Conditions have been approved by the Charleston District and the South Atlantic Division for the Nationwide Permits (NWP) published in the January 8, 2026, Federal Register. As specified under NWP General Condition 27, Regional and Case-By-Case Conditions: The activity must comply with any regional conditions that may have been added by the Division Engineer (see 33 CFR 330.4(e)) and with any case specific conditions added by the Corps or by the state, Indian Tribe, or U.S. EPA in its Section 401 Water Quality Certification, or by the state in its Coastal Zone Management Act consistency determination.
2. Note: The acronym "PCN" used throughout this document refers to Pre-Construction Notification as further defined in NWP General Condition 32.

B. EXCLUDED WATERS AND/OR AREAS
Not Applicable

C. REGIONAL CONDITIONS APPLICABLE TO ALL NWPs

1. **Stream Bed Loss Limitations:** NWPs may not be used for activities that cause the loss of greater than 0.05 acre of stream bed, except for NWP 32.
2. **Stream Bed Loss Notification:** PCN required for all stream loss exceeding 0.005 acre. The prospective permittee must submit a PCN to the District Engineer in accordance with General Condition #32, for activities that involve the loss of greater than 0.005 acre of stream bed.
3. **Stream Bed Loss and Compensatory Mitigation:** For activities that involve the loss of greater than 0.005 acre of stream bed, compensatory mitigation will be required and the PCN should include a compensatory mitigation plan. A waiver from compensatory mitigation requirements in this condition may be requested, in writing, by the permittee and issued by the Corps if determined appropriate. The waiver request must be specific as to the reason(s) for the request.
4. **Permanent Conversion:** NWPs requiring a PCN and when the activity involves the discharge of dredged or fill material into waters of the U.S. associated with

2026 NWP REGIONAL CONDITIONS FOR CHARLESTON DISTRICT (SAC)

mechanized land clearing that results in the permanent conversion of forested or scrub-shrub wetlands to herbaceous wetlands, the PCN should include the following information: (1) a written description and/or drawings of the proposed conversion activity and (2) acreage of the permanent conversion. Single and complete projects that involve permanent conversion of 0.1 acre of wetlands or greater should include a compensatory mitigation plan.

5. Culvert Placement in Streams: For all NWPs that involve new or replacement crossings within streams, the following conditions will apply:

a. Bottomless or Arch-Span Culverts: If there are any impacts to aquatic resources, the overall width of a bottomless or arch-span culvert shall be approximately equal to, but not narrower than, the typical bankfull width of the stream channel. Additional pipes or culverts may be used to receive flows exceeding bankfull, but the inlet(s) shall be baffled to or sit at the stream's bankfull elevation.

b. Box Culverts: The overall width of a single or multi-barrel box culvert shall be approximately equal to, but not narrower than, the typical bankfull width of the stream channel. Additional pipes or culverts may be used to receive flows exceeding bankfull, but the inlet(s) shall be baffled to or sit at the stream's bankfull elevation.

c. Circular Pipes/Culverts: The overall width of a circular pipe/culvert shall be approximately equal to, but not narrower than, the typical bankfull width of the stream channel. Multiple circular pipes/culverts may not be used to accommodate flows at bankfull width except in scenarios where a culvert replacement would result in additional impacts to waters. Additional circular pipes/culverts may be used to receive flows exceeding bankfull but shall sit at the stream's bankfull elevation.

d. Culvert Embedding: The upstream and downstream invert of culverts (except bottomless or arch-span culverts) shall be buried/embedded to a depth of 20 percent of the culvert height to allow natural substrate to colonize the structure's bottom. Additional culverts used to receive flows exceeding bankfull are not required to be embedded. A waiver from the depth specifications in this condition may be requested, in writing, by the permittee and issued by the Corps if determined appropriate. The waiver request must be specific as to the reason(s) for the request. The waiver will be issued if it can be demonstrated that the proposed design would result in less impacts to the aquatic environment.

e. Culvert Slope: The culvert slope shall be set within 25 percent of the streambed slope (e.g., if streambed slope is 2 percent, the designed slope of the culvert shall be between 1.5 percent and 2.5 percent). In situations where culvert slope exceeds 4 percent, interior baffles on the bottom of the culvert or other measures shall be used to allow for sediment colonization and/or velocity

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attenuation. A waiver from the slope specifications in this condition may be requested, in writing, by the permittee and issued by the Corps if determined appropriate. The waiver request must be specific as to the reason(s) for the request.

- 6. Aquatic Passage:** For all NWPs that involve fill that would divide a wetland or wetland system, culverts or pipes shall be installed to promote the safe passage of aquatic organisms and ensure that natural hydrology of the system is maintained and to adequately accommodate high water and flood conditions.
- 7. Utility Lines:** The prospective permittee must submit a PCN to the District Engineer in accordance with General Condition #32 for the repair, rehabilitation or replacement of existing utility lines, which include electric lines, pipelines, and/or telecommunication lines, constructed in, under, or over navigable waters of the United States (i.e., Section 10 waters), even if no discharge of dredged or fill material occurs. For activities that involve horizontal directional drilling beneath navigable waters of the United States (i.e., Section 10 waters), the PCN should include a proposed remediation plan (i.e., frac-out plan).

Anti-seep collars, or other structures designed to prevent under-draining, will be installed on all buried utility lines in wetlands. If no anti-seep/drain devices are proposed, the applicant must provide information documenting why such a device is not required to prevent wetland drainage.

- 8. Temporary Fills:** All temporary structures, fills, and/or work, including the use of temporary mats, are authorized for the minimum amount of time necessary to accomplish the work, which shall not exceed a period of 180 days without additional Corps approval. Temporary sidecasting of fill material cannot ever exceed a period of 180 days. The temporary structures, fills, and/or work, including the use of temporary mats, shall be removed as soon as the work is complete and the disturbed areas be restored to pre-construction contours and conditions. The temporary mats include timber mats, metal, synthetic and/or artificial mats, or other materials that may serve the purpose of mats.

For activities that require PCNs and when the activity involves temporary structures, fills, and/or work, including the use of temporary mats, the PCN should include the following information: (1) a written description and/or drawings of the proposed temporary activities that will be used during project construction, (2) the timeframe that the proposed temporary activities will be in place, and (3) specifications of how pre-construction contours will be reestablished and verified after construction.

The prospective permittee must submit a PCN to the District Engineer, in accordance with General Condition #32, for temporary construction, access, and dewatering activities that impact greater than 0.1 acre of non-tidal waters of the

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United States, including wetlands. In addition, the PCN should include a restoration plan.

- 9. Federal Projects:** The prospective permittee must submit a PCN to the District Engineer in accordance with General Conditions 31 and 32, for any activity that would be located in or adjacent to an authorized USACE Civil Works project, including Federal Navigation projects.

USACE Civil Works Projects:

(County: Project Name)

Aiken: North Edisto River

Beaufort: Hunting Island Beach, wastewater treatment plant and water line

Berkeley: Pinopolis Dam

Berkeley: Pompion Hill Chapel along the Cooper River

Berkeley: Sawmill Branch

Charleston: Battery Pringle

Charleston: Folly Beach

Charleston: Cape Marsh Management area (Santee Coastal Reserve) in Murphy Island

Charleston: Castle Pinckney

Charleston: Charleston Peninsula Coastal Storm Risk Management Project

Charleston: Crab Bank

Charleston: Drayton Hall

Charleston: Edisto Island Beach

Charleston: Morris Island Lighthouse

Cherokee: Blue Branch Bridge at Fortanberry Road in Gaffney

Chesterfield: Wilson Branch

Clarendon: Pocotaligo River and Swamp

Dorchester: Edisto River

Dorchester: Eagle Creek

Dorchester: Polk Swamp

Dorchester: Sawmill Branch

Georgetown: Miller Corner Disposal area Phragmites Control

Georgetown: Myrtle Beach

Georgetown: Pawleys Island Beach

Greenville: Saluda River (North, South, and Middle Fork)

Horry: Buck Creek

Horry: Cowpen Swamp at Simpson Creek

Horry: Crabtree Swamp

Horry: Myrtle Beach

Horry: Simpson Creek

Horry: Singleton Swash at Shore Drive

Horry: Socastee Creek

Horry: Todd Swamp

Lancaster: Turkey Creek Bridge at Pineview Drive

Newberry: Scotts Creek

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Orangeburg: Edisto River
Orangeburg: Cow Castle Creek (Bowman)
Orangeburg: Indian Bluff
Orangeburg: North Edisto River
Spartanburg: Glenn Creek Bridge at Sulphur Springs Road
Sumter: Pocotaligo River and Swamp
Sumter: Shot Pouch Creek
Sumter: Turkey Creek
Williamsburg: Kingstree Branch
York: Big Dutchman Creek Bridge at West Oak Drive in Rock Hill

Defined Federal Navigation projects:

For all proposed activities that would be located in or adjacent to an authorized Defined Federal Navigation project, the project drawings must include the following information: (1) State Plane Coordinates (NAD 1983) for a minimum of two most waterward corners of each project area (structure, fill, dredge) closest to the Federal channel, (2) the distance from the watermost edge of the proposed structure, Fill, or dredge area to the nearest edge of the Federal channel; and (3) Mean Low Water line and the Mean High Water line

Ashley River (0.5 miles east of Hwy 7 bridge downstream to the Atlantic Intracoastal Waterway (AIWW))
Atlantic Intracoastal Waterway ((AIWW) GA/SC line to SC/NC line)
Brookgreen Garden Canal
Calabash Creek
Charleston Harbor (including the Cooper River, Town Creek, Shem Creek to Coleman Blvd and Mount Pleasant Channel)
Folly River
Georgetown Harbor (Winyah Bay, Sampit River and Bypass Channel)
Jeremy Creek
Little River Inlet
Murrells Inlet (Main Creek)
Port Royal Harbor
Shipyard River
Savannah River (Below Augusta)
Town Creek McClellanville (i.e., Five Fathoms Creek, AIWW to Bulls Bay).

Undefined Federal Navigation projects:

For all proposed activities that would be located in or adjacent to an authorized Undefined Federal Navigation project, the project drawings must include the following information: (1) State Plane Coordinates (NAD 1983) for a minimum of two most waterward corners of each structure, fill or dredge, (2) Mean Low Water line and the Mean High Water line.

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Adams Creek
Archers Creek (From intersection with Beaufort River for 2 miles)
Edisto River (River mile 0.00 to 175.0)
Great Pee Dee River (Waccamaw River via Bull Creek to Smith Mills, to Cheraw)
Lynches River/Clark Creek (Clark Creek to Lynches River, River Mile 0.0 to 56.0)
Mingo Creek (to Hemmingway Bridge)
Salkehatchie River (5 miles above Toby's Bluff to Hickory Hill, River mile 20.4 to 62.3)
Santee River (Closed to navigation at mile 87 (Santee Dam))
Waccamaw River (river mile 0.0 to 90 (state line))
Wateree River (Mouth to Camden)
Village Creek (Morgan River to Porpoise Fish Co., 2.2 miles).

10. Contaminated Sediment: NWP activities are not authorized in areas known or suspected to have sediment contamination, with the exception of the following: (1) activities authorized by NWP 38, (2) activities authorized by NWP 53 when used in combination with NWP 38, (3) sediment sampling for dredging projects authorized by NWP 6, and (4) activities authorized by NWP 20.

11. Intake Structures: For activities that involve intake structures, the associated intake structure must be screened to prevent entrainment of juvenile and larval organisms, and the inflow velocity of the associated intake structures cannot exceed 0.5 feet/second.

12. Stormwater Management: Discharges of dredged or fill material for the construction of new stormwater management facilities in perennial streams is not authorized.

The prospective permittee must submit a PCN to the District Engineer in accordance with General Condition 32, for maintenance activities related to stormwater management that would occur in tidal waters, including tidal wetlands.

D. REGIONAL CONDITIONS APPLICABLE TO SPECIFIC NWPs

- 1. NWP 48:** For existing NWP 48 activities that involve changing from bottom culture to floating or suspended culture OR proposed NWP 48 activities that involve floating or suspended culture, the prospective permittee must submit a PCN to the District Engineer in accordance with General Condition #32.
- 2. NWP 48, 55:** For proposed NWP 48 activities involving floating or suspended culture and/or proposed NWPs 55 activities that will occur adjacent to property that is not owned by the prospective permittee, the PCN should include the following information:

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- a. A map or depiction that shows the adjacent property(ies) and adjacent property owners' contact information. Note: This information may be obtained online from the applicable county's tax information pages.
 - b. A signed letter(s) of "no objection" to the proposed mariculture activity from each of the adjacent property owner(s). Each letter shall include the name, mailing address, property address, property Tax Map Parcel (TMS) number, and signature of the property owner. Or, if the prospective permittee is unable to obtain a letter(s) of "no objection", the Corps will notify the adjacent property owner(s) of the proposed project by letter wherein the adjacent property owner will be given 15 days to provide comments.
3. **NWP 53:** The PCN should include a Tier I evaluation, in accordance with the Inland Testing Manual, for the project area immediately upstream of the low-head dam. If the Tier I evaluation indicates contaminated sediments are present, a Tier II evaluation may be required.

E. ACTIVITY SPECIFIC REGIONAL CONDITIONS

Not applicable

F. SECTION 401 WATER QUALITY CERTIFICATION AND/OR COASTAL ZONE MANAGEMENT ACT CONSISTENCY DETERMINATION CONDITIONS

General Regional Condition applicable to all NWPs for which a CZC has been issued. These NWPs are: 1-11, 13, 15, 18-20, 22, 25, 27, 30-33, 36-38, 40, 41, 43, 45, 48, 52, and 53. All others will require individual consistency concurrence.

The Department has direct permit authority for activities which will utilize or alter the Critical Areas (as defined in 48-39-10, R.30-1(D), and R.30-10).

- a. For those activities which require a direct critical area permit, the issued permit will serve as the consistency determination.
 - b. For those activities that do not require a direct critical area permit, the subsequent coastal zone consistency conditions for each specific Federal NWP authorization will serve as the consistency determination.
1. **NWP 27:** Thin layer placement is not authorized by this NWP. [This is a 401 WQC Condition]
2. **NWP 27:** Thin layer placement is not authorized for this NWP within the coastal zone. [This is a CZC Condition]
3. **NWP 43:** Activities authorized by this certification are limited to maintenance of existing facilities, such as stormwater ponds, detention and retention basins, water control structures, outfall structures, emergency spillways, and existing ponds that

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are proposed for use as water quantity or volume control. This NWP cannot be used for existing ponds that are proposed to be converted into water quality treatment facilities such as sediment basins, sediment traps, or other similar structures.

4. **NWP 51, 52:** This NWP is not certified for activities that cause the loss of more than 300 linear feet of stream bed.

2026 NWP 58. Utility Line Activities for Water and Other Substances. Activities required for the construction, maintenance, repair, and removal of utility lines for water and other substances, excluding oil, natural gas, products derived from oil or natural gas, and electricity. Oil or natural gas pipeline activities or electric utility line and telecommunications activities may be authorized by NWPs 12 or 57, respectively. This NWP also authorizes associated utility line facilities in waters of the United States, provided the activity does not result in the loss of greater than 1/2-acre of waters of the United States for each single and complete project.

Utility lines: This NWP authorizes discharges of dredged or fill material into waters of the United States and structures or work in navigable waters for crossings of those waters associated with the construction, maintenance, or repair of utility lines for water and other substances, including outfall and intake structures. There must be no change in pre-construction contours of waters of the United States. A “utility line” is defined as any pipe or pipeline for the transportation of any gaseous, liquid, liquescent, or slurry substance, for any purpose that is not oil, natural gas, or petrochemicals. Examples of activities authorized by this NWP include utility lines that convey water, sewage, stormwater, wastewater, brine, irrigation water, and industrial products that are not petrochemicals. The term “utility line” does not include activities that drain a water of the United States, such as drainage tile or French drains, but it does apply to pipes conveying drainage from another area.

Material resulting from trench excavation may be temporarily sidecast into waters of the United States for no more than three months, provided the material is not placed in such a manner that it is dispersed by currents or other forces. The district engineer may extend the period of temporary side casting for no more than a total of 180 days, where appropriate. In wetlands, the top 6 to 12 inches of the trench should normally be backfilled with topsoil from the trench. The trench cannot be constructed or backfilled in such a manner as to drain waters of the United States (e.g., backfilling with extensive gravel layers, creating a French drain effect). Any exposed slopes and stream banks must be stabilized immediately upon completion of the utility line crossing of each waterbody.

Utility line substations: This NWP authorizes the construction, maintenance, or expansion of substation facilities associated with a utility line in non-tidal waters of the United States, provided the activity, in combination with all other activities included in one single and complete project, does not result in the loss of greater than 1/2-acre of waters of the United States. This NWP does not authorize discharges of dredged or fill material into non-tidal wetlands adjacent to tidal waters of the United States to construct, maintain, or expand substation facilities.

Foundations for above-ground utility lines: This NWP authorizes the construction or maintenance of foundations for above-ground utility lines in all waters of the United States, provided the foundations are the minimum size necessary.

Access roads: This NWP authorizes the construction of access roads for the construction and maintenance of utility lines, including utility line substations, in non-tidal waters of the United States, provided the activity, in combination with all other activities included in one single and complete project, does not cause the loss of greater than 1/2-acre of non-tidal waters of the United States. This NWP does not authorize discharges of dredged or fill material into non-tidal wetlands adjacent to tidal waters for access roads. Access roads must be the minimum width necessary (see Note 2, below). Access roads must be constructed so that the length of the road minimizes any adverse effects on waters of the United States and must be as near as possible to pre-construction contours and elevations (e.g., at grade corduroy roads or geotextile/gravel roads). Access roads constructed above pre-construction contours and elevations in waters of the United States must be properly bridged or culverted to maintain surface flows.

This NWP may authorize utility lines in or affecting navigable waters of the United States even if there is no associated discharge of dredged or fill material (see 33 CFR part 322). Overhead utility lines constructed over section 10 waters and utility lines that are routed in or under section 10 waters without a discharge of dredged or fill material may require a section 10 permit.

This NWP authorizes, to the extent that Department of the Army authorization is required, temporary structures, fills, and work necessary for the remediation of inadvertent returns of drilling fluids to waters of the United States through sub-soil fissures or fractures that might occur during horizontal directional drilling activities conducted for the purpose of installing or replacing utility lines. These remediation activities must be done as soon as practicable, to restore the affected waterbody. District engineers may add special conditions to this NWP to require a remediation plan for addressing inadvertent returns of drilling fluids to waters of the United States during horizontal directional drilling activities conducted for the purpose of installing or replacing utility lines.

This NWP also authorizes temporary structures, fills, and work, including the use of temporary mats, necessary to conduct the utility line activity. Appropriate measures must be taken to maintain normal downstream flows and minimize flooding to the maximum extent practicable, when temporary structures, work, and discharges of dredged or fill material, including cofferdams, are necessary for construction activities, access fills, or dewatering of construction sites. Temporary fills must consist of materials, and be placed in a manner, that will not be eroded by expected high flows. After construction, temporary

fills must be removed in their entirety and the affected areas returned to pre-construction elevations. The areas affected by temporary fills must be revegetated, as appropriate.

Notification: The permittee must submit a pre-construction notification to the district engineer prior to commencing the activity if: (1) a section 10 permit is required; or (2) the discharge will result in the loss of greater than 1/10-acre of waters of the United States. (See general condition 32.) (Authorities: Sections 10 and 404)

Note 1: Where structures or work are authorized in navigable waters of the United States (i.e., section 10 waters) within the coastal United States, the Great Lakes, and United States territories, the permittee should provide a copy of the 'as-built drawings' and the geographic coordinate system used in the 'as-built drawings' to the National Oceanic and Atmospheric Administration (NOAA), National Ocean Service (NOS), to inform updates to nautical charts and Coast Pilot corrections. The information should be transmitted via email to ocs.ndb@noaa.gov.

Note 2: For utility line activities crossing a single waterbody more than one time at separate and distant locations, or multiple waterbodies at separate and distant locations, each crossing is considered a single and complete project for purposes of NWP authorization. Utility line activities must comply with 33 CFR 330.6(d).

Note 3: Access roads used for both construction and maintenance may be authorized, provided they meet the terms and conditions of this NWP. Access roads used solely for construction of the utility line must be removed upon completion of the work, in accordance with the requirements for temporary fills.

Note 4: Pipes or pipelines used to transport gaseous, liquid, liquescent, or slurry substances over navigable waters of the United States are considered to be bridges, not utility lines, and may require a permit from the U.S. Coast Guard pursuant to the General Bridge Act of 1946. However, any discharges of dredged or fill material into waters of the United States associated with such pipelines will require a section 404 permit (see NWP 15).

Note 5: This NWP authorizes utility line maintenance and repair activities that do not qualify for the Clean Water Act section 404(f) exemption for maintenance of currently serviceable fills or fill structures.

Note 6: For activities that require pre-construction notification, the PCN must include any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity, including other separate and distant crossings that require Department of the Army authorization but do not require pre-construction notification (see paragraph (b)(4) of general condition 32). The

district engineer will evaluate the PCN in accordance with Section D, “District Engineer’s Decision.” The district engineer may require mitigation to ensure that the authorized activity results in no more than minimal individual and cumulative adverse environmental effects (see general condition 23).

Note 7: Where structures or work are proposed in navigable waters of the United States, project proponents should ensure they provide the location and dimensions of the proposed structures to the U.S. Coast Guard (USCG) prior to submittal of a Pre-Construction Notification, or prior to beginning construction. The USCG may assess potential navigation-related concerns associated with the location of proposed structures or work, and may inform project proponents of marking and lighting requirements necessary to comply with General Condition 1 (Navigation). For assistance identifying the appropriate USCG District or Sector Waterways Management Staff responsible for the area of the proposed work, contact USCG at CGWWM@uscg.mil.

TOWN OF RIDGELAND
TILLMAN HIGHWAY FORCEMAIN AND WATERMAIN IMPROVMENTS
APPENDIX H
DRMP SUBSURFACE UTILITY EXPLORATION FIELD REPORTS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 1

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/3/2025
CREW:	STAN, MIKE, ARISON			DEVICE NAME:	N/A
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 1	EXPLORATORY HOLE #:	1	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	N/A	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	DIRT	SOIL CONDITION:	SOFT,	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	N/A	NOMINAL SIZE (INCHES):	UNKNOWN		
UAO CONTACT INFO:	N/A	MATERIAL:	N/A		
UTILITY AGENCY/OWNER:	N/A	IDENTIFIED BY:	N/A		
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT	B: N/A	C: N/A		

PAVING THICKNESS:	N/A	EL. AT GRADE:	N/A
DEPTH TO TOP OF UTILITY:	N/A	EL. AT TOP:	N/A
DEPTH TO BOTTOM OF UTILITY:	N/A	ELEV AT BOTTOM:	N/A
# OF VERTICAL CONDUIT/PIPE STACKS:	N/A		
MEASURED O.D. WIDTH (FEET)	N/A	# OF HORIZONTAL CONDUIT/PIPE STACKS:	N/A

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	234143.76
UTILITY DIR:	N/A	EASTING:	1997209.46

DRMP

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Phone: +1 407.896.0594 | Website: www.drmp.com/

Approver: RMG
QA/QC Final Approver: RMG



VACUUM EXCAVATION RECORD

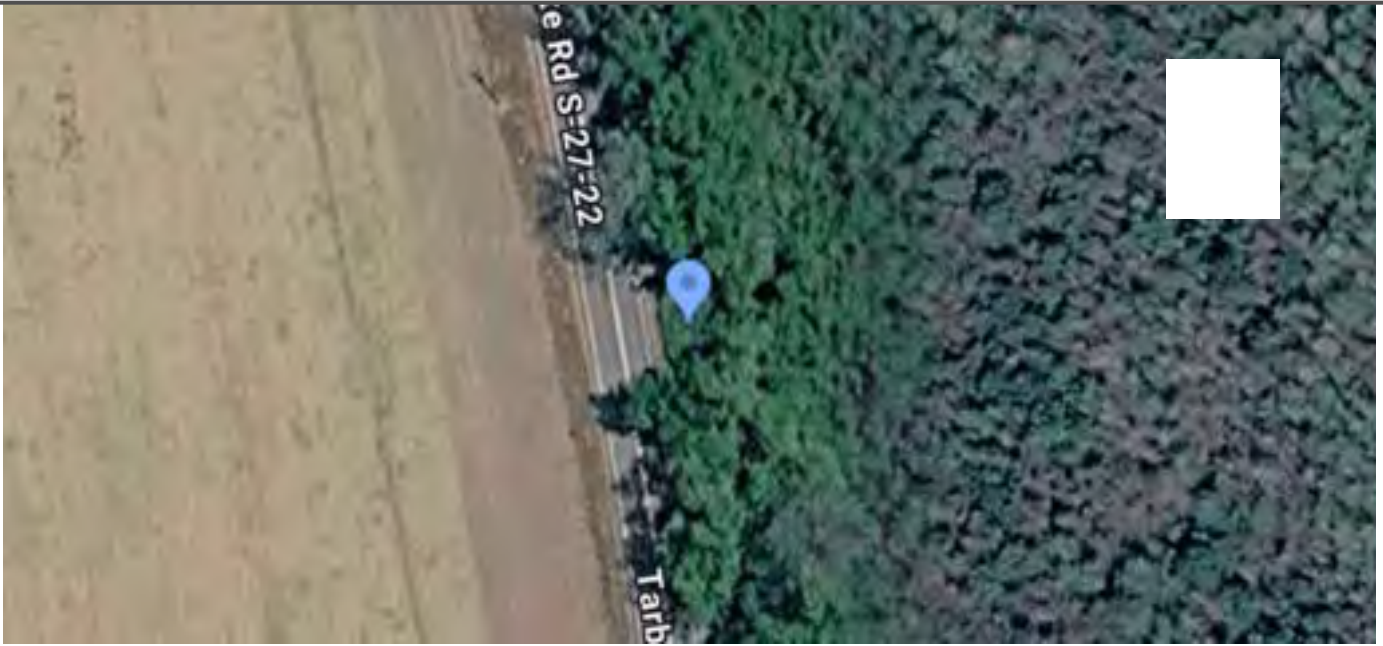
PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 1

NOTES/COMMENTS:

APPROXIMATE LOCATION





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 1

PRELIMINARY SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 1

LEVEL ROD MEASUREMENT PHOTO



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Approver: RMG
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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 1

REPAIRED SURFACE PHOTO



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QA/QC Final Approver: RMG



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 1

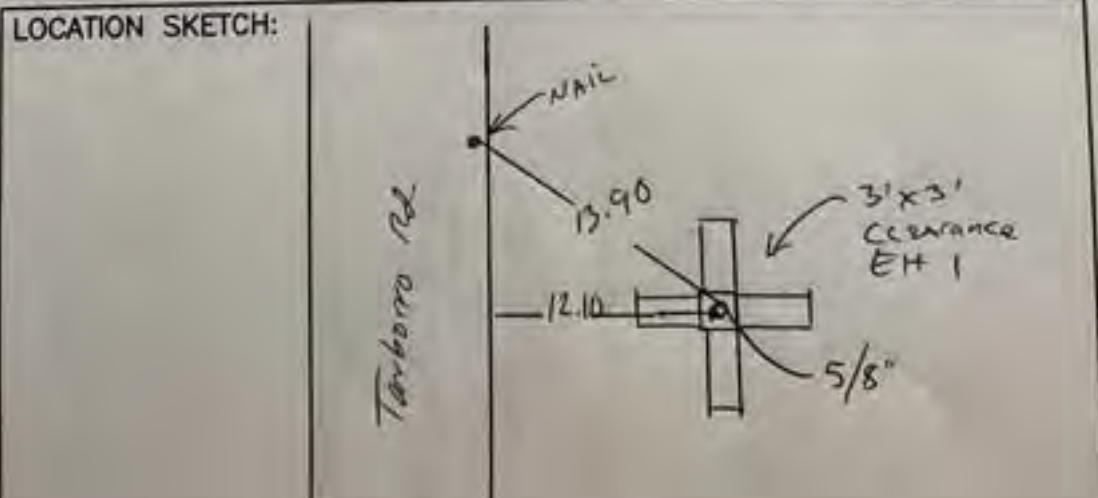
SITE SKETCH

NORTHING:		EASTING:		STATE PLANE ZONE:	
UTILITY OWNER/CONTRACTOR LOCATOR CONTACT:				POLE #	
				CH #	
24-SWING TIES 25-SIRC 5/8" ** OTHER _____ *NOTE: 22-SET NAIL AND DISK STAMPED "DRMP REF. PT." **NOTE: 25-SET IRON R&CAP STAMPED "DRMP REF. PT."					
35-SURVEY HUB 36-"X" IN CONCRETE OTHER _____ JOB UNITS: <u>ENGLISH</u> or METRIC					

INDICATE NORTH



LOCATION SKETCH:





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 1

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 2

DRMP #: 301.2501037.000	VACUUM UNIT #: N/A	DATE: 12/3/2025
CREW: N/A	DEVICE NAME: N/A	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 2	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: N/A	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: WET	WATER TABLE DEPTH: N/A
UTILITY FOUND: FIBER OPTIC CABLE	NOMINAL SIZE (INCHES): 0.5"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT	B: N/A	C: N/A

PAVING THICKNESS: 0'	EL. AT GRADE: 50.45'
DEPTH TO TOP OF UTILITY: 3.3'	EL. AT TOP: 47.15'
DEPTH TO BOTTOM OF UTILITY: 3.34'	ELEV AT BOTTOM: 47.11'
# OF VERTICAL CONDUIT/PIPE STACKS: N/A	
MEASURED O.D. WIDTH (FEET): 0.04'	# OF HORIZONTAL CONDUIT/PIPE STACKS: N/A

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 234201.31
UTILITY DIR: SOUTH – NORTH	EASTING: 1997160.11

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 2

NOTES/COMMENTS:

APPROXIMATE LOCATION



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QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 2

PRELIMINARY SURFACE PHOTO



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QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 2

UTILITY PHOTO



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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 2

UTILITY PHOTO



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Approver:
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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 2

LEVEL ROD MEASUREMENT PHOTO



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 2

REPAIRED SURFACE PHOTO



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QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 2

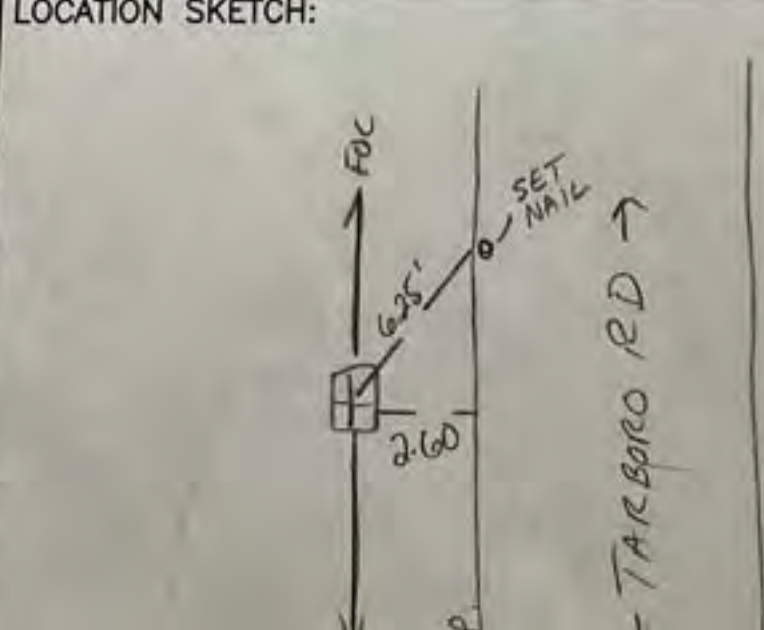
SITE SKETCH

NORTHING:	EASTING:	STATE PLANE ZONE:	25-SIRC 5/8 OTHER: *NOTE: 22-SET NAIL AND DISK STAMPED "DRMP REF. PT." **NOTE: 25-SET IRON R&CAP STAMPED "DRMP REF. PT."	35-SURVEY HUB 36-"X" IN CONCR OTHER:
UTILITY OWNER/CONTRACTOR LOCATOR CONTACT:		POLE #:	JOB UNITS: ENGLISH or	
		EH #:		



INDICATE NORTH

LOCATION SKETCH:



Office:
8001 Bollert Pkwy • Suite
Jacksonville, Florida 32216
Phone: 904.641.8621
Fax: 904.641.8858

Deer River, FL
Thurston, NC
Troy, FL
Troy, NC
Oakland, FL
Gainesville, FL



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 3

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/4/2025
CREW: STAN, MIKE, ARISON	DEVICE NAME: Jax surv3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 3	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: SOFT, DIRT, CLAY	WATER TABLE DEPTH: 0"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 2"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT	B: N/A	C: N/A

PAVING THICKNESS: 0'	EL. AT GRADE: 41.88'
DEPTH TO TOP OF UTILITY: 3.1'	EL. AT TOP: 38.78'
DEPTH TO BOTTOM OF UTILITY: 3.3'	ELEV AT BOTTOM: 38.58'
# OF VERTICAL CONDUIT/PIPE STACKS: N/A	
MEASURED O.D. WIDTH (FEET): 2'	# OF HORIZONTAL CONDUIT/PIPE STACKS: N/A

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 233291.67
UTILITY DIR: SOUTHWEST – NORTHEAST	EASTING: 1997321.29



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 3

NOTES/COMMENTS:

APPROXIMATE LOCATION



DRMP

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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 3

PRELIMINARY SURFACE PHOTO



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QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 3

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 3

LEVEL ROD MEASUREMENT PHOTO



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QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 3

REPAIRED SURFACE PHOTO



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Approver:
QA/QC Final Approver:



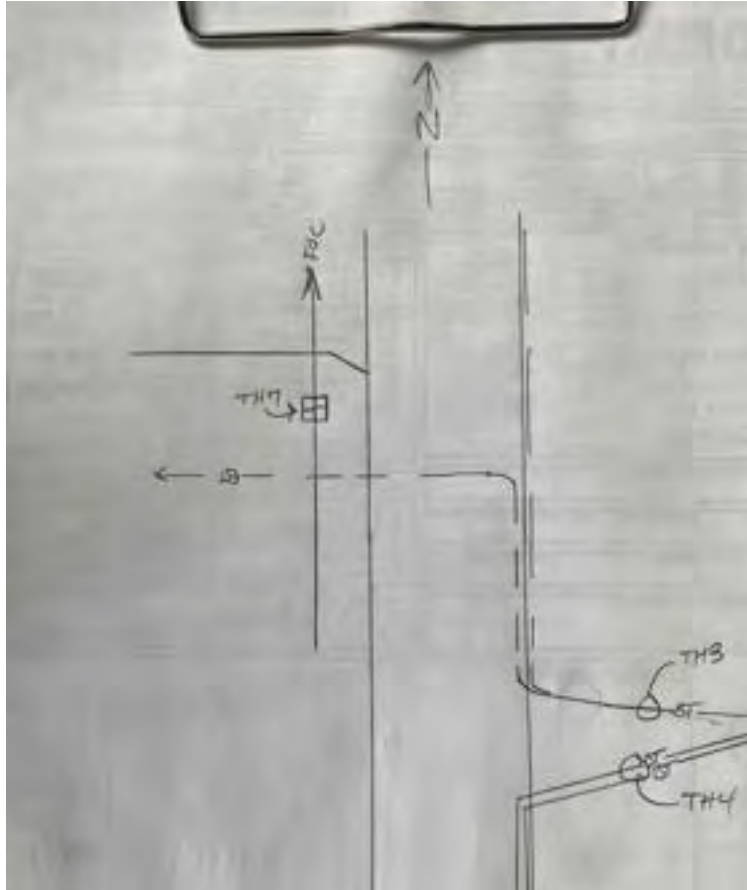
VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 3

SITE SKETCH



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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 4

DRMP #: 301.2501037.000		VACUUM UNIT #: 476		DATE: 12/4/2025	
CREW: STAN MIKE ARISON			DEVICE NAME: Jax Sur3		
CITY/COUNTY: RIDGELAND JASPER		ONE-CALL #: N/A		JOB UNITS: U.S. Foot	
REPORT NAME: TH 4		EXPLORATORY HOLE #: N/A		STRUCTURE NAME & #: RP 531-1	
REQUESTED UTILITY: Buried Telephone		RECORDED MATERIAL: N/A		RECORD UTILITY SIZE: N/A	

HOLE DETAILS

SURFACE TYPE:	DIRT	SOIL CONDITION:	SOFT, DIRT	WATER TABLE DEPTH:	0"
UTILITY FOUND:	BURIED TELEPHONE			NOMINAL SIZE (INCHES):	2"
UAO CONTACT INFO:	CLINK	MATERIAL:	DBC (DIRECT BURIED CABLE)		
UTILITY AGENCY/OWNER:	CENTURY LINK			IDENTIFIED BY:	SIRC 5/8
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT	B: N/A	C: N/A		

PAVING THICKNESS:	0'	EL. AT GRADE:	41.95'
DEPTH TO TOP OF UTILITY:	2.5'	EL. AT TOP:	39.45'
DEPTH TO BOTTOM OF UTILITY:	2.7'	ELEV AT BOTTOM:	39.25'
# OF VERTICAL CONDUIT/PIPE STACKS:	1		
MEASURED O.D. WIDTH (FEET)	2'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	2

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	233288.48
UTILITY DIR:	SOUTH – NORTH	EASTING:	1997320.00

DRMP

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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 4

NOTES/COMMENTS:

APPROXIMATE LOCATION



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Approver:

QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 4

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 4

MISCELLANEOUS PHOTOS



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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 5

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/4/2025
CREW:	STAN MIKE ARISON	DEVICE NAME:	Jxsurv3		
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 5	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Buried Telephone	RECORDED MATERIAL:	DBC (Direct Buried Cable)	RECORD UTILITY SIZE:	2.00

HOLE DETAILS

SURFACE TYPE:	DIRT	SOIL CONDITION:	SOFT, CLAY	WATER TABLE DEPTH:	0"
UTILITY FOUND:	BURIED TELEPHONE	NOMINAL SIZE (INCHES):	1"		
UAO CONTACT INFO:	CLINK	MATERIAL:	DBC (DIRECT BURIED CABLE)		
UTILITY AGENCY/OWNER:	CENTURY LINK	IDENTIFIED BY:	SIRC 5/8		
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT	B: N/A	C: N/A		

PAVING THICKNESS:	N/A	EL. AT GRADE:	41.80'
DEPTH TO TOP OF UTILITY:	3.80'	EL. AT TOP:	38.00'
DEPTH TO BOTTOM OF UTILITY:	4.15'	ELEV AT BOTTOM:	37.65'
# OF VERTICAL CONDUIT/PIPE STACKS:	2.00		
MEASURED O.D. WIDTH (FEET)	1.50'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	2.00

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	233052.45
UTILITY DIR:	SOUTH – NORTH	EASTING:	1997351.33

DRMP

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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 5

NOTES/COMMENTS:

APPROXIMATE LOCATION



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Approver:

QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 5

PRELIMINARY SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 5

PRELIMINARY SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 5

UTILITY PHOTO



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Approver:
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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 5

LEVEL ROD MEASUREMENT PHOTO



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 5

SITE SKETCH

PROPERTY:		EASTING:	STATE PLANE ZONE:	OTHER:	35° SURVEY NO.
UTILITY OWNER/CONTRACTOR LOCATOR CONTACT:		POLE #:		*NOTE: 22-SET NAIL AND DISK STAMPED "DRMP REF. PT." **NOTE: 25-SET IRON R&CAP STAMPED "DRMP REF. PT."	36-"X" IN CON OTHER:
		EH #:			JOB UNITS: <u>ENGLISH</u>

INDICATE NORTH

LOCATION SKETCH:

Torbore Rd

13.80'

24.40'

27.90'

DRIVEWAY
ACCESS
TO CLINK CAB/PEOS

Office:
8001 Heddon Place - Suite
Jacksonville, Florida 32256
Phone: 904-641-0323
Fax: 904-641-8828

Boyd Rains, P.E.



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 6

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/4/2025
CREW: STAN MIKE ARISON	DEVICE NAME: Jaxsur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 6	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: ASPHALT	SOIL CONDITION: SOFT, WET, DIRT, SAND, CLAY	WATER TABLE DEPTH: 0"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 2"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: NAIL/DISK	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT	B: N/A	C: N/A

PAVING THICKNESS: N/A	EL. AT GRADE: 41.56'
DEPTH TO TOP OF UTILITY: 4.10'	EL. AT TOP: 37.46'
DEPTH TO BOTTOM OF UTILITY: 4.30'	ELEV AT BOTTOM: 37.26'
# OF VERTICAL CONDUIT/PIPE STACKS: 1.00	
MEASURED O.D. WIDTH (FEET): 2.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1.00

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 233040.17
UTILITY DIR: SOUTH – NORTH	EASTING: 1997352.34

DRMP

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Phone: +1 407.896.0594 | Website: www.drmp.com/

Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 6

NOTES/COMMENTS:

APPROXIMATE LOCATION



DRMP

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Approver:

QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 6

PRELIMINARY SURFACE PHOTO



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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 6

UTILITY PHOTO



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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 6

UTILITY INFORMATION GATHERED



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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 6

LEVEL ROD MEASUREMENT PHOTO



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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 6

SITE SKETCH

UTILITY OWNER/CONTRACTOR LOCATOR CONTACT:		POLE #:	OTHER: *NOTE: 22-SET NAIL AND DISK STAMPED "DRMP REF. PT." **NOTE: 25-SET IRON R&CAP STAMPED "DRMP REF. PT."	36-"X" IN CONCRETE OTHER:
		EH #:		JOB UNITS: ENGLISH or METR

INDICATE NORTH

LOCATION SKETCH:

Torbor Rd

DRIVE WAY TO CLINIC CAB/AD

13.65'

17.0'

BT XL

OLD WOOD POLE

Office:
8001 Seffert Place - Suite
Jacksonville, Florida 32256
Phone: 904.641.6123
Fax: 904.641.8828

Boca Raton, FL
Charlotte, NC
Clayton, FL
Cary, NC
Lakeland, FL
Gainesville, FL
Orlando, FL



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 7

DRMP #: 301.2501037.000	VACUUM UNIT #: N/A	DATE: 12/3/2025
CREW: STAN MIKE ARISON	DEVICE NAME: N/A	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 7	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: N/A	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: N/A	SOIL CONDITION: HARD, CLAY	WATER TABLE DEPTH: 0"
UTILITY FOUND: FIBER OPTIC CABLE	NOMINAL SIZE (INCHES): 2"	
UAO CONTACT INFO: N/A	MATERIAL: PE (POLYETHYLENE PIPE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT	B: N/A	C: N/A

PAVING THICKNESS: N/A	EL. AT GRADE: 43.36'
DEPTH TO TOP OF UTILITY: 4.91'	EL. AT TOP: 38.45'
DEPTH TO BOTTOM OF UTILITY: 5.12'	ELEV AT BOTTOM: 38.24'
# OF VERTICAL CONDUIT/PIPE STACKS: N/A	
MEASURED O.D. WIDTH (FEET): 0.21'	# OF HORIZONTAL CONDUIT/PIPE STACKS: N/A

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 233360.37
UTILITY DIR: SOUTH – NORTH	EASTING: 1997271.68

DRMP

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Phone: +1 407.896.0594 | Website: www.drmp.com/

Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 7

NOTES/COMMENTS:

APPROXIMATE LOCATION



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QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 7

PRELIMINARY SURFACE PHOTO



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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 7

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 7

LEVEL ROD MEASUREMENT PHOTO



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QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 7

REPAIRED SURFACE PHOTO



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QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 7

SITE SKETCH

NORTHING:	EASTING:	STATE PLANE ZONE:	OTHER: *NOTE: 22-SET NAIL AND DISK STAMPED "DRMP REF. PT." **NOTE: 25-SET IRON R&CAP STAMPED "DRMP REF. PT."	36-"X" IN CONCRETE OTHER: <u>NAIL</u>
UTILITY OWNER/CONTRACTOR LOCATOR CONTACT:		POLE #: E#:	JOB UNITS: <u>ENGLISH</u> or METR	

LOCATION SKETCH:

INDICATE NORTH

Office:
8001 Station Place - Suite
Jacksonville, Florida 32209
Phone: 904.641.0123
Fax: 904.641.0010

Branches: FL
Chamblee, NJ
Dunwoody, GA
Cary, NC
Cape Coral, FL
Tomball, TX
Tomball, TX



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 7

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/4/2025
CREW: STAN MIKE ARISON	DEVICE NAME: This unit	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 7A	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: N/A	RECORDED MATERIAL: PE (Polyethylene Pipe)	RECORD UTILITY SIZE: 2

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: HARD, CLAY	WATER TABLE DEPTH: 0.0"
UTILITY FOUND: N/A	NOMINAL SIZE (INCHES): UNKNOWN	
UAO CONTACT INFO: N/A	MATERIAL: N/A	
UTILITY AGENCY/OWNER: N/A	IDENTIFIED BY: N/A	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT	B: N/A	C: N/A

PAVING THICKNESS: 0'	EL. AT GRADE: 42.96'
DEPTH TO TOP OF UTILITY: 0'	EL. AT TOP: 42.96'
DEPTH TO BOTTOM OF UTILITY: N/A	ELEV AT BOTTOM: 42.96'
# OF VERTICAL CONDUIT/PIPE STACKS: N/A	
MEASURED O.D. WIDTH (FEET): N/A	# OF HORIZONTAL CONDUIT/PIPE STACKS: N/A

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 233345.65
UTILITY DIR: SOUTH – NORTH	EASTING: 1997271.13



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 7

NOTES/COMMENTS:

APPROXIMATE LOCATION





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 7

MISCELLANEOUS PHOTOS



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QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 7

MISCELLANEOUS PHOTOS

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 7

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 8

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/3/2025
CREW: STAN, MIKE, ARISON	DEVICE NAME: This unit	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 8	EXPLORATORY HOLE #: 8	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: N/A	RECORDED MATERIAL: N/A	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: N/A	WATER TABLE DEPTH: 3"
UTILITY FOUND: FIBER OPTIC CABLE	NOMINAL SIZE (INCHES): UNKNOWN	
UAO CONTACT INFO: N/A	MATERIAL: SEE A & B REPORTS	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: N/A	B: N/A	C: N/A

PAVING THICKNESS: N/A	EL. AT GRADE: 41.62'
DEPTH TO TOP OF UTILITY: N/A	EL. AT TOP: 41.62'
DEPTH TO BOTTOM OF UTILITY: N/A	ELEV AT BOTTOM: 41.62'
# OF VERTICAL CONDUIT/PIPE STACKS: N/A	
MEASURED O.D. WIDTH (FEET) N/A	# OF HORIZONTAL CONDUIT/PIPE STACKS: N/A

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 233250.74
UTILITY DIR: N/A	EASTING: 1997284.33

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 8

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 8

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 8

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 8

MISCELLANEOUS PHOTOS



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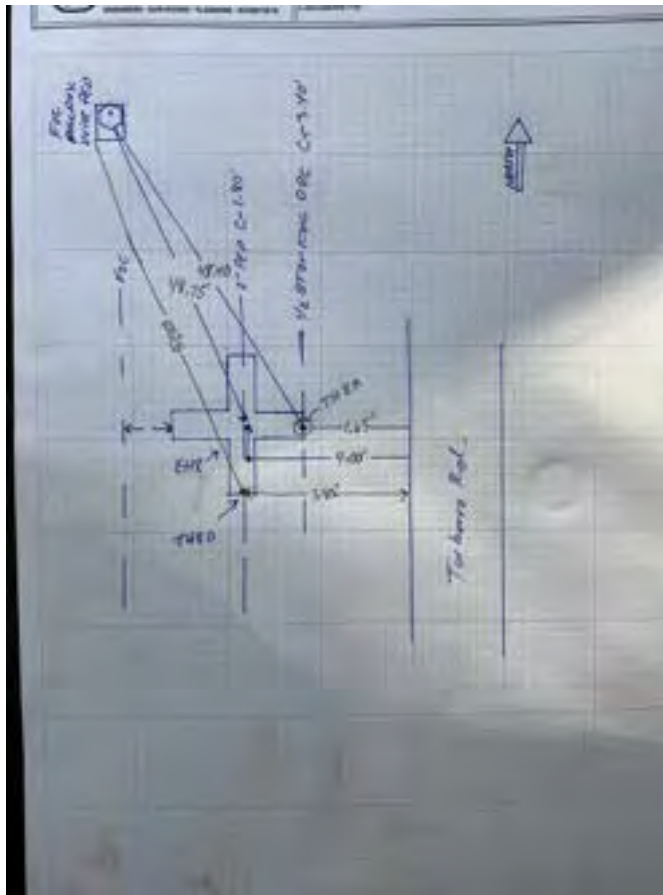
VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 8

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 8

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/3/2025
CREW: STAN MIKE ARISON	DEVICE NAME: This unit	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 8A	EXPLORATORY HOLE #: 8	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: N/A	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: 0.5

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: HARD, WET, CLAY, DIRT	WATER TABLE DEPTH: 3"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 0.5"	
UAO CONTACT INFO: CLINK	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 1.6'	B: N/A 48.4'	C: N/A

PAVING THICKNESS: 0'	EL. AT GRADE: 42.14'
DEPTH TO TOP OF UTILITY: 3.4'	EL. AT TOP: 38.74'
DEPTH TO BOTTOM OF UTILITY: 3.45'	ELEV AT BOTTOM: 38.69'
# OF VERTICAL CONDUIT/PIPE STACKS: N/A	
MEASURED O.D. WIDTH (FEET) 0.04'	# OF HORIZONTAL CONDUIT/PIPE STACKS: N/A

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 233251.83
UTILITY DIR: SOUTH – NORTH	EASTING: 1997286.61

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TEST HOLE REQUEST #: 8

NOTES/COMMENTS:

APPROXIMATE LOCATION



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 8

UTILITY PHOTO



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QA/QC Final Approver:

VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 8

UTILITY INFORMATION GATHERED

[illegible]



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 8

LEVEL ROD MEASUREMENT PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 8

REPAIRED SURFACE PHOTO



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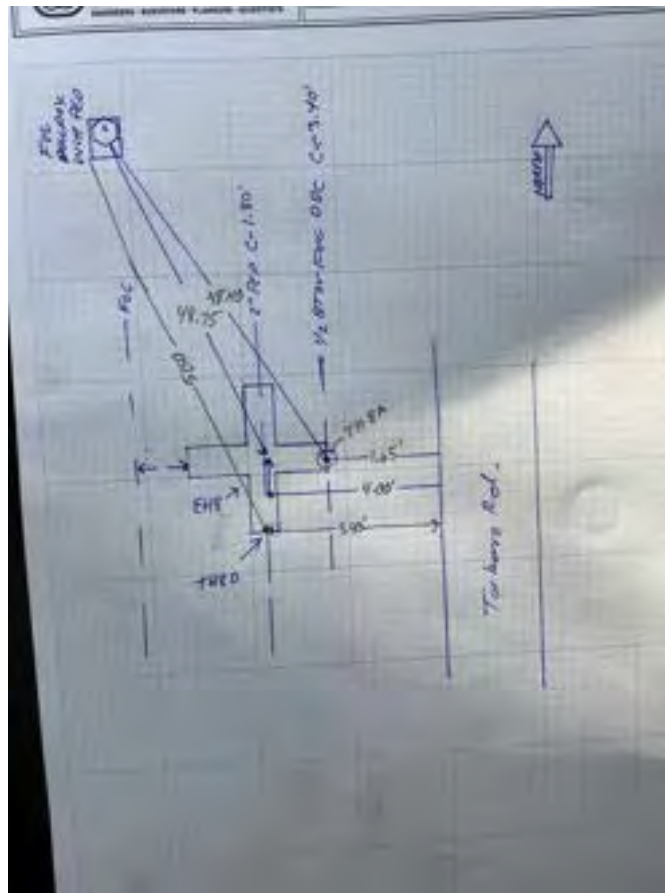
Approver:
QA/QC Final Approver:

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 8

SITE SKETCH





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 8

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/3/2025
CREW:	STAN MIKE ARISON			DEVICE NAME:	Jax Survey 3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 8B	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	N/A	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	N/A	SOIL CONDITION:	WET, HARD, CLAY, DIRT	WATER TABLE DEPTH:	2.5"
UTILITY FOUND:	FIBER OPTIC CABLE			NOMINAL SIZE (INCHES):	2"
UAO CONTACT INFO:	UNKNOWN		MATERIAL:	PE (POLYETHYLENE PIPE)	
UTILITY AGENCY/OWNER:	CENTURY LINK			IDENTIFIED BY:	SIRC 5/8
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT	3.9'	B: N/A	51.5'	C: N/A

PAVING THICKNESS:	0.00'	EL. AT GRADE:	41.50'
DEPTH TO TOP OF UTILITY:	1.80'	EL. AT TOP:	39.70'
DEPTH TO BOTTOM OF UTILITY:	2.10'	ELEV AT BOTTOM:	39.40'
# OF VERTICAL CONDUIT/PIPE STACKS:	1.00		
MEASURED O.D. WIDTH (FEET)	2.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1.00

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	233248.05
UTILITY DIR:	SOUTH – NORTH	EASTING:	1997284.85



TEST HOLE REQUEST #: 8

APPROXIMATE LOCATION



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 8

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 8

LEVEL ROD MEASUREMENT PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 8

REPAIRED SURFACE PHOTO



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Approver:
QA/QC Final Approver:



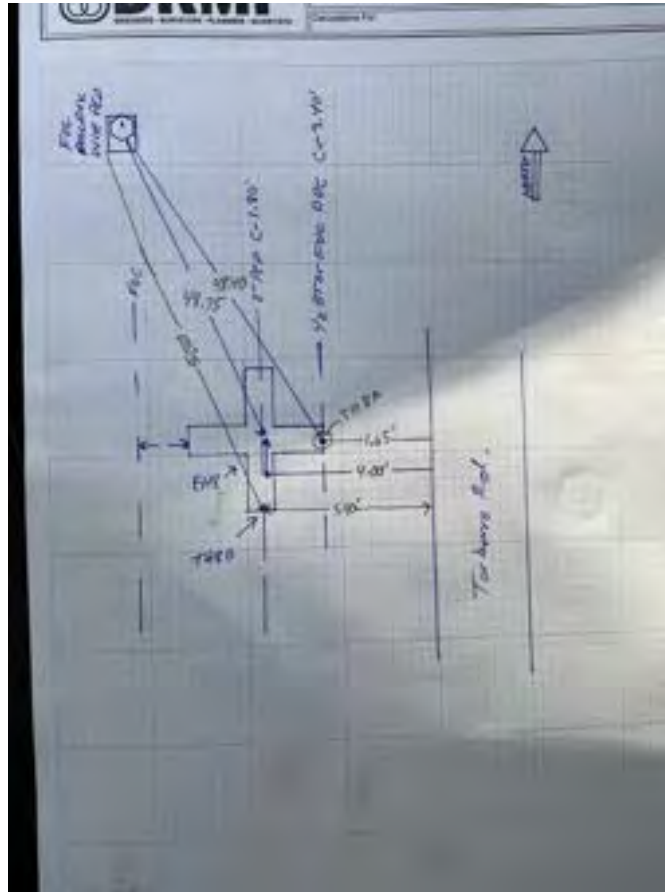
VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 8

SITE SKETCH



DRMP

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 9

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/4/2025
CREW:	STAN MIKE ARRISON			DEVICE NAME:	Jaxsurv3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 9	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Fiber Optic Cable	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	DIRT	SOIL CONDITION:	WET, DIRT, CLAY	WATER TABLE DEPTH:	3.5"
UTILITY FOUND:	BURIED TELEPHONE			NOMINAL SIZE (INCHES):	UNKNOWN
UAO CONTACT INFO:	N/A			MATERIAL:	UNKNOWN
UTILITY AGENCY/OWNER:	CENTURY LINK			IDENTIFIED BY:	SIRC 5/8
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT	B: N/A		C: N/A	

PAVING THICKNESS:	0.00'	EL. AT GRADE:	39.11'
DEPTH TO TOP OF UTILITY:	7.78'	EL. AT TOP:	31.33'
DEPTH TO BOTTOM OF UTILITY:	N/A	ELEV AT BOTTOM:	39.11'
# OF VERTICAL CONDUIT/PIPE STACKS:	N/A		
MEASURED O.D. WIDTH (FEET)	N/A	# OF HORIZONTAL CONDUIT/PIPE STACKS:	N/A

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	232972.62
UTILITY DIR:	SOUTH – NORTH	EASTING:	1997362.07

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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 9

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 9

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 9

MISCELLANEOUS PHOTOS



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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 9

MISCELLANEOUS PHOTOS



PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 9

MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 9

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 9

MISCELLANEOUS PHOTOS



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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 9

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 9

MISCELLANEOUS PHOTOS

DRMP VACUUM EXCAVATION RECORD

CAMERA # _____ CREW: STAN, PIKE, JAMES

PROJECT: TILLMAN RD, 14 LANE DATE: 12/10/05 DRMP#: 201000017000

UTILITY: (GAS) ONE-CALL # _____ F.P.N. # _____

UTILITY FOUND: FBC (UNDER GROUND)

VERTICAL INFORMATION

TYPE OF UTILITY

DESIGNED BY

DESIGNED FROM

LOCATION SKETCH

DRMP

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Phone: +1 407.896.0594 | Website: www.drmp.com/

Approver:

QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 10

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/9/2025
CREW: STAN SPENCER	DEVICE NAME: Jaxsur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 10	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: WET, SOFT, CLAY, DIRT	WATER TABLE DEPTH: 0"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 2"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 8.2'	B: N/A 16.4'	C: N/A 10.5'

PAVING THICKNESS: 0'	EL. AT GRADE: 37.57'
DEPTH TO TOP OF UTILITY: 3.75'	EL. AT TOP: 33.82'
DEPTH TO BOTTOM OF UTILITY: 3.95'	ELEV AT BOTTOM: 33.62'
# OF VERTICAL CONDUIT/PIPE STACKS: 1	
MEASURED O.D. WIDTH (FEET) N/A	# OF HORIZONTAL CONDUIT/PIPE STACKS: 2

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 232978.16
UTILITY DIR: SOUTH – NORTH	EASTING: 1997464.79

DRMP

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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 10

NOTES/COMMENTS:

Two cables side by side 1.5" and 2 inch

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 10

UTILITY INFORMATION GATHERED



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 10

LEVEL ROD MEASUREMENT PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 10

REPAIRED SURFACE PHOTO



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QA/QC Final Approver:



TEST HOLE REQUEST #: 10

SITE SKETCH

 DRMP		VACUUM EXCAVATION RECORD	
CAMERA #	001	DRAWN BY	CECILEY BROWN
PROJECT	THRU 02 / 10/10/01	DATE	11/1/01
PROJECT #	516-1-10	ONE-CALL #	1-800-4-A-ROOT
HOLE #	10	UTILITY FOUND	1" W & 1" T
ADDRESS: 1000 S. 1000 E. ST. SALT LAKE CITY, UT 84143 CITY: SALT LAKE CITY STATE: UT COUNTY: SALT LAKE CITY			
VERTICAL INFORMATION			
DEPTH (FEET)	10.0	TIME OF DAY	10:00
DATE (MM/DD/YY)	11/1/01	TYPE OF EXCAVATION	1. HOLE
TYPE OF EXCAVATION	1. HOLE	2. TRENCH	2. TRENCH
TYPE OF EXCAVATION	1. HOLE	3. TRENCH	3. TRENCH
TYPE OF EXCAVATION	1. HOLE	4. TRENCH	4. TRENCH
TYPE OF EXCAVATION	1. HOLE	5. TRENCH	5. TRENCH
TYPE OF EXCAVATION	1. HOLE	6. TRENCH	6. TRENCH
TYPE OF EXCAVATION	1. HOLE	7. TRENCH	7. TRENCH
TYPE OF EXCAVATION	1. HOLE	8. TRENCH	8. TRENCH
TYPE OF EXCAVATION	1. HOLE	9. TRENCH	9. TRENCH
TYPE OF EXCAVATION	1. HOLE	10. TRENCH	10. TRENCH
TYPE OF EXCAVATION	1. HOLE	11. TRENCH	11. TRENCH
TYPE OF EXCAVATION	1. HOLE	12. TRENCH	12. TRENCH
TYPE OF EXCAVATION	1. HOLE	13. TRENCH	13. TRENCH
TYPE OF EXCAVATION	1. HOLE	14. TRENCH	14. TRENCH
TYPE OF EXCAVATION	1. HOLE	15. TRENCH	15. TRENCH
TYPE OF EXCAVATION	1. HOLE	16. TRENCH	16. TRENCH
TYPE OF EXCAVATION	1. HOLE	17. TRENCH	17. TRENCH
TYPE OF EXCAVATION	1. HOLE	18. TRENCH	18. TRENCH
TYPE OF EXCAVATION	1. HOLE	19. TRENCH	19. TRENCH
TYPE OF EXCAVATION	1. HOLE	20. TRENCH	20. TRENCH
TYPE OF EXCAVATION	1. HOLE	21. TRENCH	21. TRENCH
TYPE OF EXCAVATION	1. HOLE	22. TRENCH	22. TRENCH
TYPE OF EXCAVATION	1. HOLE	23. TRENCH	23. TRENCH
TYPE OF EXCAVATION	1. HOLE	24. TRENCH	24. TRENCH
TYPE OF EXCAVATION	1. HOLE	25. TRENCH	25. TRENCH
TYPE OF EXCAVATION	1. HOLE	26. TRENCH	26. TRENCH
TYPE OF EXCAVATION	1. HOLE	27. TRENCH	27. TRENCH
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TYPE OF EXCAVATION	1. HOLE	32. TRENCH	32. TRENCH
TYPE OF EXCAVATION	1. HOLE	33. TRENCH	33. TRENCH
TYPE OF EXCAVATION	1. HOLE	34. TRENCH	34. TRENCH
TYPE OF EXCAVATION	1. HOLE	35. TRENCH	35. TRENCH
TYPE OF EXCAVATION	1. HOLE	36. TRENCH	36. TRENCH
TYPE OF EXCAVATION	1. HOLE	37. TRENCH	37. TRENCH
TYPE OF EXCAVATION	1. HOLE	38. TRENCH	38. TRENCH
TYPE OF EXCAVATION	1. HOLE	39. TRENCH	39. TRENCH
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TYPE OF EXCAVATION	1. HOLE	52. TRENCH	52. TRENCH
TYPE OF EXCAVATION	1. HOLE	53. TRENCH	53. TRENCH
TYPE OF EXCAVATION	1. HOLE	54. TRENCH	54. TRENCH
TYPE OF EXCAVATION	1. HOLE	55. TRENCH	55. TRENCH
TYPE OF EXCAVATION	1. HOLE	56. TRENCH	56. TRENCH
TYPE OF EXCAVATION	1. HOLE	57. TRENCH	57. TRENCH
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TYPE OF EXCAVATION	1. HOLE	62. TRENCH	62. TRENCH
TYPE OF EXCAVATION	1. HOLE	63. TRENCH	63. TRENCH
TYPE OF EXCAVATION	1. HOLE	64. TRENCH	64. TRENCH
TYPE OF EXCAVATION	1. HOLE	65. TRENCH	65. TRENCH
TYPE OF EXCAVATION	1. HOLE	66. TRENCH	66. TRENCH
TYPE OF EXCAVATION	1. HOLE	67. TRENCH	67. TRENCH
TYPE OF EXCAVATION	1. HOLE	68. TRENCH	68. TRENCH
TYPE OF EXCAVATION	1. HOLE	69. TRENCH	69. TRENCH



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 11

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/9/2025
CREW: STAN MIKE ARISON	DEVICE NAME: Jaxsur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 11	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: 2

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: WET, SOFT, CLAY, DIRT	WATER TABLE DEPTH: 0"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 2"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 2.7'	B: N/A 82.1'	C: N/A

PAVING THICKNESS: 0'	EL. AT GRADE: 39.92'
DEPTH TO TOP OF UTILITY: 2.64'	EL. AT TOP: 37.28'
DEPTH TO BOTTOM OF UTILITY: 3.46'	ELEV AT BOTTOM: 36.46'
# OF VERTICAL CONDUIT/PIPE STACKS: 2	
MEASURED O.D. WIDTH (FEET) 0.17'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 232933.00
UTILITY DIR: WEST – EAST	EASTING: 1997398.15

DRMP

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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 11

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 11

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 11

LEVEL ROD MEASUREMENT PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 11

REPAIRED SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 11

SITE SKETCH

[illegible]



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 11

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 12

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/8/2025
CREW:	STAN MIKE ARISON			DEVICE NAME:	Jaxsur3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 12	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	N/A	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	DIRT	SOIL CONDITION:	WET, SOFT, CLAY	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	BURIED TELEPHONE			NOMINAL SIZE (INCHES):	0.25"
UAO CONTACT INFO:	CLINK	MATERIAL:	DBC (DIRECT BURIED CABLE)		
UTILITY AGENCY/OWNER:	CENTURY LINK			IDENTIFIED BY:	N/A
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT	B: N/A	C: N/A		

PAVING THICKNESS:	0'	EL. AT GRADE:	39.78'
DEPTH TO TOP OF UTILITY:	3.4'	EL. AT TOP:	36.38'
DEPTH TO BOTTOM OF UTILITY:	3.45'	ELEV AT BOTTOM:	36.33'
# OF VERTICAL CONDUIT/PIPE STACKS:	N/A		
MEASURED O.D. WIDTH (FEET)	0.02'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	N/A

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	232905.68
UTILITY DIR:	WEST – EAST	EASTING:	1997413.36

DRMP

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Approver:
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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 12

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 12

PRELIMINARY SURFACE PHOTO



DRMP

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 12

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 12

LEVEL ROD MEASUREMENT PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 12

REPAIRED SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 12

SITE SKETCH



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 13

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/9/2025
CREW:	STAN SPENCER CHIPLEY			DEVICE NAME:	Jaxsur3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 13	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Buried Telephone	RECORDED MATERIAL:	DBC (Direct Buried Cable)	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	DIRT	SOIL CONDITION:	SOFT, WET, CLAY, DIRT	WATER TABLE DEPTH:	0"
UTILITY FOUND:	BURIED TELEPHONE			NOMINAL SIZE (INCHES):	1.5"
UAO CONTACT INFO:	N/A	MATERIAL:	DBC (DIRECT BURIED CABLE)		
UTILITY AGENCY/OWNER:	CENTURY LINK			IDENTIFIED BY:	SIRC 5/8
DISTANCE PULLED FROM:	A: N/A 20.1'	B: EDGE OF PAVEMENT	7.7'	C: N/A	

PAVING THICKNESS:	0.00'	EL. AT GRADE:	37.16'
DEPTH TO TOP OF UTILITY:	3.26'	EL. AT TOP:	33.90'
DEPTH TO BOTTOM OF UTILITY:	3.41'	ELEV AT BOTTOM:	33.75'
# OF VERTICAL CONDUIT/PIPE STACKS:	1.00		
MEASURED O.D. WIDTH (FEET)	1.50'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1.00

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	232982.63
UTILITY DIR:	WEST – EAST	EASTING:	1997473.58

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 13

NOTES/COMMENTS:

APPROXIMATE LOCATION



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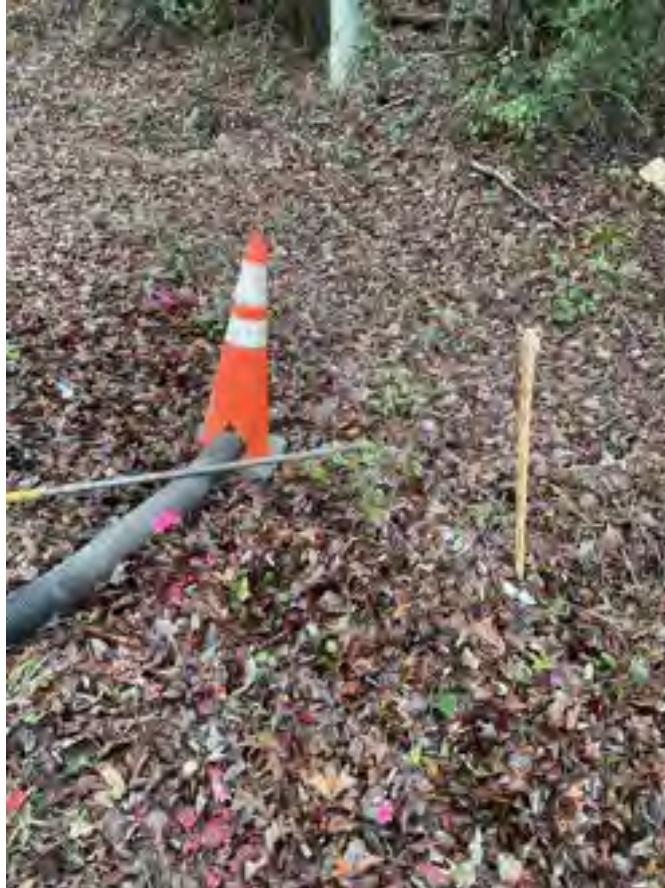
VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 13

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 13

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 13

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 13

MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 13

MISCELLANEOUS PHOTOS



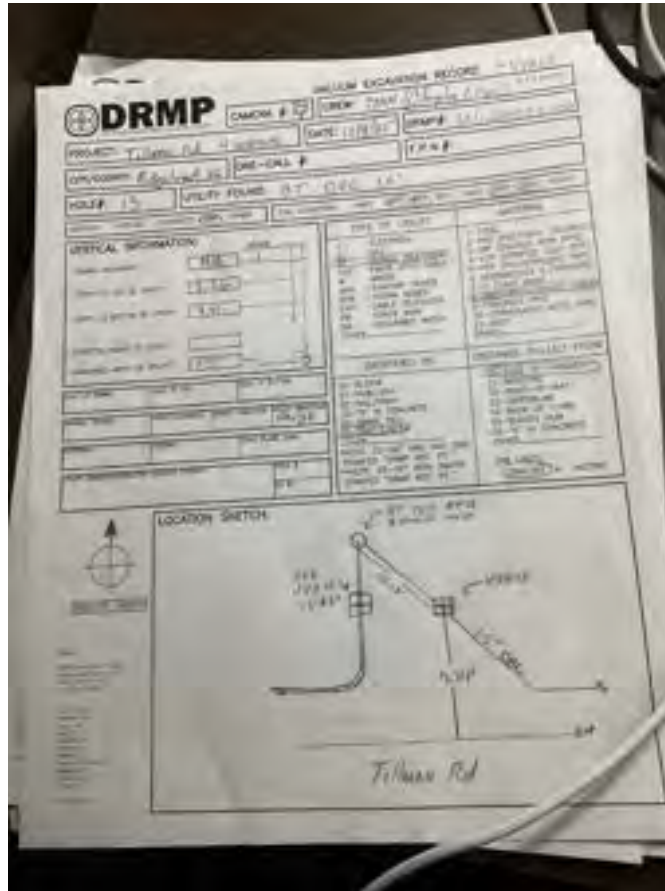
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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 13

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 14

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/7/2025
CREW: STAN, MIKE, ARISON	DEVICE NAME: Jaxsur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 14	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: DIRT	WATER TABLE DEPTH: 0"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 1"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: N/A	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 0'	B: N/A	C: N/A

PAVING THICKNESS: 0'	EL. AT GRADE: 38.93'
DEPTH TO TOP OF UTILITY: 2.21'	EL. AT TOP: 36.72'
DEPTH TO BOTTOM OF UTILITY: 2.41'	ELEV AT BOTTOM: 36.52'
# OF VERTICAL CONDUIT/PIPE STACKS: N/A	
MEASURED O.D. WIDTH (FEET) 0.1'	# OF HORIZONTAL CONDUIT/PIPE STACKS: N/A

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 233144.17
UTILITY DIR: WEST – EAST	EASTING: 1997749.50

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QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 14

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 14

PRELIMINARY SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 14

UTILITY PHOTO



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Approver:
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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 14

LEVEL ROD MEASUREMENT PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 14

REPAIRED SURFACE PHOTO



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QA/QC Final Approver:

VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 14

SITE SKETCH

<b style="font-size: 24pt; margin-left: 10px;">DRMP		DRAINAGE RECORDS	
PROJECT: <u>T. Hwy 2.3 V. 1000</u>		DATE: <u>11/7/88</u>	
CITY/COUNTY: <u>T. Hwy 2.3</u>		SHEET: <u>101-250-11-11</u>	
DRAWN: <u>1/1</u>		CHECKED: <u>1/1</u>	
UTILITY FOUND: <u>5' D.C. 1.1' 1000</u>		SCALE: <u>1" = 10'</u>	
SHEET: <u>1/1</u>		TOTAL SHEETS: <u>1</u>	

VERTICAL INFORMATION:		TYPE OF UTILITY:	
ELEVATION: <u>101.1</u> DATE: <u>11/7/88</u> TYPE: <u>1" = 10'</u> SCALE: <u>1" = 10'</u> SHEET: <u>1/1</u> TOTAL SHEETS: <u>1</u>	TYPE: <u>1" = 10'</u> DATE: <u>11/7/88</u> TYPE: <u>1" = 10'</u> SCALE: <u>1" = 10'</u> SHEET: <u>1/1</u> TOTAL SHEETS: <u>1</u>		
VERTICAL INFORMATION:		TYPE OF UTILITY:	
ELEVATION: <u>101.1</u> DATE: <u>11/7/88</u> TYPE: <u>1" = 10'</u> SCALE: <u>1" = 10'</u> SHEET: <u>1/1</u> TOTAL SHEETS: <u>1</u>	TYPE: <u>1" = 10'</u> DATE: <u>11/7/88</u> TYPE: <u>1" = 10'</u> SCALE: <u>1" = 10'</u> SHEET: <u>1/1</u> TOTAL SHEETS: <u>1</u>		

NORTH

LOCATION SECTION:

$\frac{1}{1000} \times 1000 = 1$



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 15

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/7/2025
CREW:	STAN MIKE ARISON	DEVICE NAME:	Jaxsur3		
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 15	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	N/A	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	DIRT	SOIL CONDITION:	SOFT	WATER TABLE DEPTH:	0"
UTILITY FOUND:	BURIED TELEPHONE	NOMINAL SIZE (INCHES):	0.25"		
UAO CONTACT INFO:	N/A	MATERIAL:	DBC (DIRECT BURIED CABLE)		
UTILITY AGENCY/OWNER:	CENTURY LINK	IDENTIFIED BY:	SIRC 5/8		
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT 4.3'	B: N/A 22.5'	C: N/A		

PAVING THICKNESS:	0'	EL. AT GRADE:	39.36'
DEPTH TO TOP OF UTILITY:	3.45'	EL. AT TOP:	35.91'
DEPTH TO BOTTOM OF UTILITY:	3.65'	ELEV AT BOTTOM:	35.71'
# OF VERTICAL CONDUIT/PIPE STACKS:	N/A		
MEASURED O.D. WIDTH (FEET)	0.02'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	N/A

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	233064.54
UTILITY DIR:	WEST – EAST	EASTING:	1997692.94

DRMP

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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 15

NOTES/COMMENTS:

additional notes/comments on horizontal tab

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 15

PRELIMINARY SURFACE PHOTO





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 15

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 15

LEVEL ROD MEASUREMENT PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 15

REPAIRED SURFACE PHOTO



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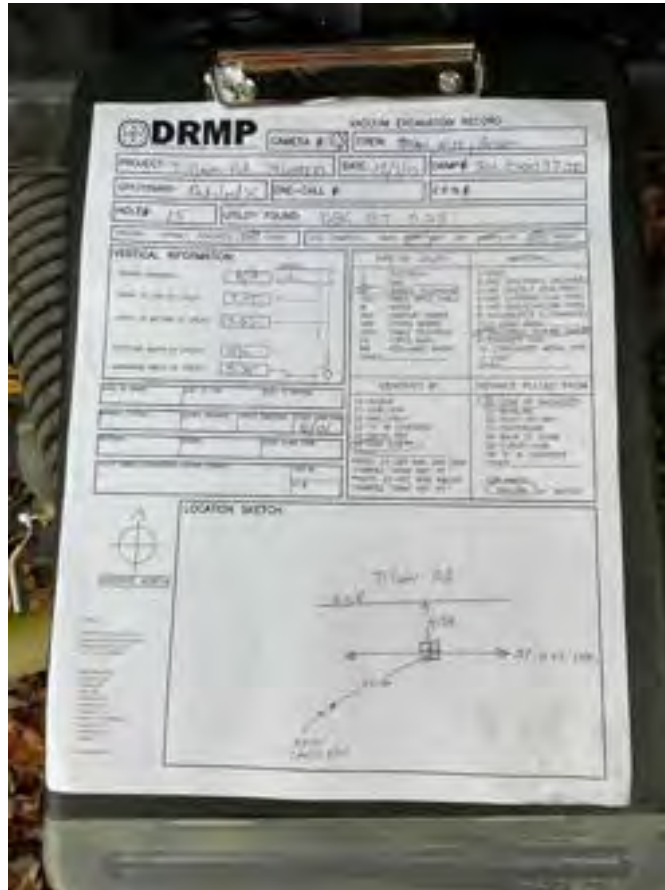
VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 15

SITE SKETCH



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 16

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/7/2025
CREW: STAN MIKE ARISON	DEVICE NAME: Jaxsurv3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 16	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: SOFT, DIRT	WATER TABLE DEPTH: 0"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 2"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT	B: N/A	C: N/A

PAVING THICKNESS: N/A	EL. AT GRADE: 38.96'
DEPTH TO TOP OF UTILITY: 2.21'	EL. AT TOP: 36.75'
DEPTH TO BOTTOM OF UTILITY: 2.41'	ELEV AT BOTTOM: 36.55'
# OF VERTICAL CONDUIT/PIPE STACKS: N/A	
MEASURED O.D. WIDTH (FEET): 0.17'	# OF HORIZONTAL CONDUIT/PIPE STACKS: N/A

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 233310.61
UTILITY DIR: WEST – EAST	EASTING: 1998039.45



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 16

NOTES/COMMENTS:

APPROXIMATE LOCATION





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 16

PRELIMINARY SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 16

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 16

LEVEL ROD MEASUREMENT PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 16

REPAIRED SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 16

SITE SKETCH

DRMP VACUUM EXCAVATION RECORD

CAMERA # _____ ORDER # _____

PROJECT: TILLMAN RD DATE: 07/22/2017 DRMP # 2017-00016

CITY/COUNTY: Orlando, FL ONE-CALL # _____ F.P.N. # _____

HOLE # 016 UTILITY FOUND: 8" T 3" C 2" G

VERTICAL INFORMATION:

DEPTH (ft)	DEPTH (in)	DEPTH (mm)
0.00	0.00	0.00
0.25	2.50	63.50
0.50	5.00	127.00
0.75	7.50	190.50
1.00	10.00	254.00
1.25	12.50	317.50
1.50	15.00	381.00
1.75	17.50	444.50
2.00	20.00	508.00
2.25	22.50	571.50
2.50	25.00	635.00
2.75	27.50	698.50
3.00	30.00	762.00
3.25	32.50	825.50
3.50	35.00	889.00
3.75	37.50	952.50
4.00	40.00	1016.00
4.25	42.50	1079.50
4.50	45.00	1143.00
4.75	47.50	1206.50
5.00	50.00	1270.00
5.25	52.50	1333.50
5.50	55.00	1397.00
5.75	57.50	1460.50
6.00	60.00	1524.00
6.25	62.50	1587.50
6.50	65.00	1651.00
6.75	67.50	1714.50
7.00	70.00	1778.00
7.25	72.50	1841.50
7.50	75.00	1905.00
7.75	77.50	1968.50
8.00	80.00	2032.00
8.25	82.50	2095.50
8.50	85.00	2159.00
8.75	87.50	2222.50
9.00	90.00	2286.00
9.25	92.50	2349.50
9.50	95.00	2413.00
9.75	97.50	2476.50
10.00	100.00	2540.00

TYPE OF UTILITY: 1. SLOPE 2. TRENCH 3. DITCH 4. DRAIN 5. GUTTER 6. CULVERT 7. PIPE 8. CABLE 9. FIBER OPTIC 10. CONCRETE 11. BRICK 12. BLOCK 13. MASONRY 14. METAL 15. PLASTIC 16. OTHER

MATERIAL: 1. SAND 2. GRAVEL 3. CRUSHED ROCK 4. CRUSHED BRICK 5. CRUSHED CONCRETE 6. CRUSHED BLOCK 7. CRUSHED MASONRY 8. CRUSHED METAL 9. CRUSHED PLASTIC 10. CRUSHED OTHER

LOCATION SKETCH: A hand-drawn sketch showing the location of the excavation hole relative to the road and other features. It includes a north arrow and a scale bar.

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QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 17

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/7/2025
CREW: STAN MIKE ARISON	DEVICE NAME: Jaxsur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 17	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: 0.25

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: CLAY	WATER TABLE DEPTH: 0"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 0.25"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 0'	B: N/A	C: N/A

PAVING THICKNESS: 0'	EL. AT GRADE: 39.14'
DEPTH TO TOP OF UTILITY: 3.2'	EL. AT TOP: 35.94'
DEPTH TO BOTTOM OF UTILITY: 3.25'	ELEV AT BOTTOM: 35.89'
# OF VERTICAL CONDUIT/PIPE STACKS: N/A	
MEASURED O.D. WIDTH (FEET) 0.02'	# OF HORIZONTAL CONDUIT/PIPE STACKS: N/A

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 233298.68
UTILITY DIR: WEST – EAST	EASTING: 1998100.95

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 17

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 17

PRELIMINARY SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 17

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 17

LEVEL ROD MEASUREMENT PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 17

REPAIRED SURFACE PHOTO





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 17

SITE SKETCH

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 18

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/9/2025
CREW:	STAN MIKE ARISON	DEVICE NAME:	jaxsur3		
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 18	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Buried Telephone	RECORDED MATERIAL:	DBC (Direct Buried Cable)	RECORD UTILITY SIZE:	2.00

HOLE DETAILS

SURFACE TYPE:	N/A	SOIL CONDITION:	WET, SOFT, SAND, DIRT, CLAY	WATER TABLE DEPTH:	0"
UTILITY FOUND:	BURIED TELEPHONE	NOMINAL SIZE (INCHES):	3"		
UAO CONTACT INFO:	N/A	MATERIAL:	DBC (DIRECT BURIED CABLE)		
UTILITY AGENCY/OWNER:	CENTURY LINK	IDENTIFIED BY:	SIRC 5/8		
DISTANCE PULLED FROM:	A: N/A 6.7'	B: EDGE OF PAVEMENT 16.1'	C: N/A		

PAVING THICKNESS:	0'	EL. AT GRADE:	42.81'
DEPTH TO TOP OF UTILITY:	2.59'	EL. AT TOP:	40.22'
DEPTH TO BOTTOM OF UTILITY:	2.89'	ELEV AT BOTTOM:	39.92'
# OF VERTICAL CONDUIT/PIPE STACKS:	1		
MEASURED O.D. WIDTH (FEET)	0.25'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	234000.46
UTILITY DIR:	WEST – EAST	EASTING:	1999225.22

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 18

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 18

PRELIMINARY SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 18

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 18

LEVEL ROD MEASUREMENT PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 18

REPAIRED SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 18

SITE SKETCH

 DRMP		VACUUM EXCAVATION RECORD <u>XXXX</u>	
CAMERA #	0000	ORDER	STAN 1000 10000
PROJECT	T. P. 1000 1000	DATE	12-10-00
OPERATOR	E. J. 1000	DRMP	1000 1000
ONE-CALL #		EPN #	
HOLE #	10	UTILITY FOUND	BT 30 1000
ADDRESS: 1000 1000 1000 1000 1000 1000		CITY: 1000 1000 1000 1000 1000 1000	
VERTICAL INFORMATION		TYPE OF UTILITY	
HOLE DEPTH: <u>10.00</u> HOLE TO 1000 1000: <u>10.00</u> HOLE TO 1000 1000: <u>10.00</u> HOLE TO 1000 1000: <u>10.00</u> HOLE TO 1000 1000: <u>10.00</u> HOLE TO 1000 1000: <u>10.00</u>	1. LOCATION 2. TYPE 3. SIZE 4. MATERIAL 5. LOCATION 6. LOCATION 7. LOCATION 8. LOCATION 9. LOCATION 10. LOCATION		METHOD: 1. LOCATION 2. LOCATION 3. LOCATION 4. LOCATION 5. LOCATION 6. LOCATION 7. LOCATION 8. LOCATION 9. LOCATION 10. LOCATION
EXCAVATION METHOD		EXCAVATION EQUIPMENT	
1. LOCATION 2. LOCATION 3. LOCATION 4. LOCATION 5. LOCATION 6. LOCATION 7. LOCATION 8. LOCATION 9. LOCATION 10. LOCATION		1. LOCATION 2. LOCATION 3. LOCATION 4. LOCATION 5. LOCATION 6. LOCATION 7. LOCATION 8. LOCATION 9. LOCATION 10. LOCATION	
EXCAVATION RESULTS		EXCAVATION COMMENTS	
1. LOCATION 2. LOCATION 3. LOCATION 4. LOCATION 5. LOCATION 6. LOCATION 7. LOCATION 8. LOCATION 9. LOCATION 10. LOCATION		1. LOCATION 2. LOCATION 3. LOCATION 4. LOCATION 5. LOCATION 6. LOCATION 7. LOCATION 8. LOCATION 9. LOCATION 10. LOCATION	



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 19

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/9/2025
CREW: STAN MIKE ARISON	DEVICE NAME: Jaxsur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 19	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: WET, SOFT, DIRT, CLAY	WATER TABLE DEPTH: 0"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 1.75"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: TELEPHONE PEDESTAL 8.6'	B: EDGE OF PAVEMENT 17.7'	C: N/A

PAVING THICKNESS: 0'	EL. AT GRADE: 42.57'
DEPTH TO TOP OF UTILITY: 2.5'	EL. AT TOP: 40.07'
DEPTH TO BOTTOM OF UTILITY: 2.7'	ELEV AT BOTTOM: 39.87'
# OF VERTICAL CONDUIT/PIPE STACKS: 1	
MEASURED O.D. WIDTH (FEET) 0.14'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 234007.73
UTILITY DIR: WEST – EAST	EASTING: 1999234.70

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 19

NOTES/COMMENTS:

APPROXIMATE LOCATION





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 19

PRELIMINARY SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 19

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 19

LEVEL ROD MEASUREMENT PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 19

REPAIRED SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 19

SITE SKETCH

DRMP		VACUUM EXCAVATION RECORD 000017	
PROJECT: <u>T-1000-01 2/2/03</u>		CHARTER # <u> </u>	ORDER # <u>0100 0100 0100</u>
DATE: <u>2-2-03</u>		DRMP# <u>0100 0100 0100</u>	
CITY/STATE: <u>Rocky Mt. Sp.</u>	ONE-CALL # <u> </u>	F.P.N.# <u> </u>	
HOLE# <u>100</u>	UTILITY FOUND: <u>0</u>		
PROJECT: <u> </u> COUNTY: <u>00</u> JOB # <u> </u>		JOB # <u> </u> JOB # <u> </u> JOB # <u> </u>	

VERTICAL INFORMATION	TYPE OF UTILITY
TOTAL DEPTH: <u>10.0</u> DATE OF THE EXCAVATION: <u>2-2-03</u> NAME OF PERSON IN CHARGE: <u> </u> EXCAVATED WITH A: <u> </u> EXCAVATED WITH A: <u> </u>	1. GAS LINE 2. WATER 3. SEWER 4. FUEL 5. CABLE 6. FIBER OPTIC 7. POWER 8. TELEPHONE 9. OTHER
DISTANCE FROM SURFACE: <u>10.0</u> DISTANCE FROM SURFACE: <u>10.0</u> DISTANCE FROM SURFACE: <u>10.0</u> DISTANCE FROM SURFACE: <u>10.0</u>	DISTANCE FROM SURFACE: <u>10.0</u> DISTANCE FROM SURFACE: <u>10.0</u> DISTANCE FROM SURFACE: <u>10.0</u> DISTANCE FROM SURFACE: <u>10.0</u>

LOCATION SKETCH	DISTANCE FROM SURFACE
	DISTANCE FROM SURFACE: <u>10.0</u> DISTANCE FROM SURFACE: <u>10.0</u> DISTANCE FROM SURFACE: <u>10.0</u> DISTANCE FROM SURFACE: <u>10.0</u>



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 20

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/9/2025
CREW: STAN SPENCER CHIPLEY CREW	DEVICE NAME: Jaxsur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 20	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: N/A	SOIL CONDITION: WET, SOFT, DIRT, CLAY, SAND	WATER TABLE DEPTH: 0"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 1"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: N/A 10'	B: EDGE OF PAVEMENT 16.9'	C: N/A

PAVING THICKNESS: 0'	EL. AT GRADE: 42.10'
DEPTH TO TOP OF UTILITY: 2'	EL. AT TOP: 40.10'
DEPTH TO BOTTOM OF UTILITY: 2.08'	ELEV AT BOTTOM: 40.02'
# OF VERTICAL CONDUIT/PIPE STACKS: 1	
MEASURED O.D. WIDTH (FEET) 0.08'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 234211.54
UTILITY DIR: WEST – EAST	EASTING: 1999591.19

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 20

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 20

PRELIMINARY SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 20

UTILITY PHOTO



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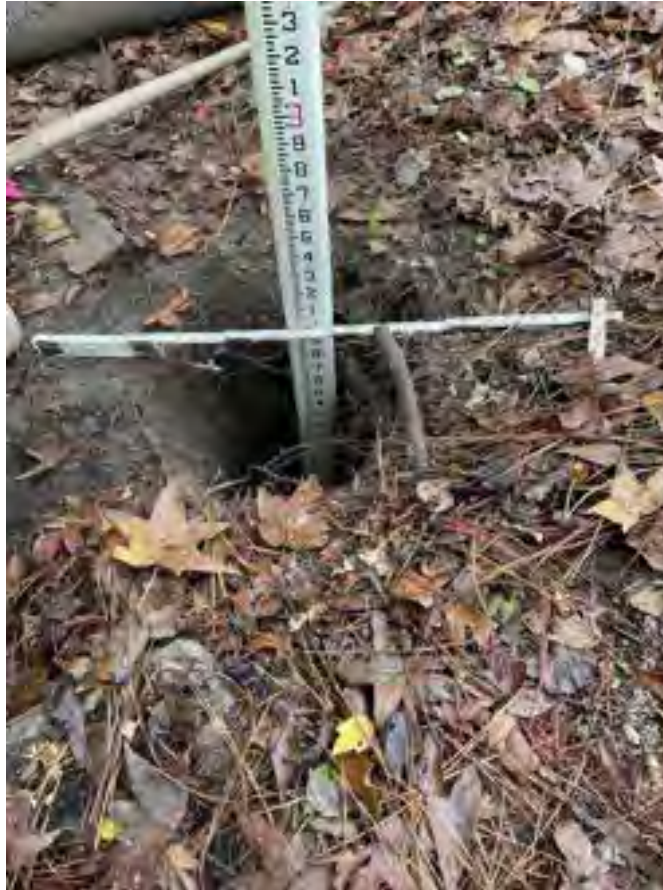
VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 20

LEVEL ROD MEASUREMENT PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 20

REPAIRED SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 20

SITE SKETCH

DRMP VACUUM EXCAVATION RECORD

CAMERA # _____ DATE: 12-2-20 DRMP# 201.00000000

PROJECT: Tillman Rd. 12-2-20 ONE-CHL # _____ FPA# _____

UTILITY FOUND: 13" Dia. 1"

VERTICAL INFORMATION:

DEPTH OF PIT: 1.5' (1.5' x 1.5' x 1.5')

DEPTH OF UTILITY: 1.5' (1.5' x 1.5' x 1.5')

DEPTH OF PIT: 1.5' (1.5' x 1.5' x 1.5')

DEPTH OF UTILITY: 1.5' (1.5' x 1.5' x 1.5')

TYPE OF UTILITY:

1. WATER

2. GAS

3. OIL

4. SEWER

5. CABLE

6. FIBER

7. OTHER

DISTANCE FROM:

1. 0' to 10'

2. 10' to 20'

3. 20' to 30'

4. 30' to 40'

5. 40' to 50'

6. 50' to 60'

7. 60' to 70'

8. 70' to 80'

9. 80' to 90'

10. 90' to 100'

LOCATION SKETCH:

1. 0' to 10'

2. 10' to 20'

3. 20' to 30'

4. 30' to 40'

5. 40' to 50'

6. 50' to 60'

7. 60' to 70'

8. 70' to 80'

9. 80' to 90'

10. 90' to 100'

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 21

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/9/2025
CREW: STAN SPENCER CHIPLEY CREW	DEVICE NAME: Jaxsur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 21	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: 2

HOLE DETAILS

SURFACE TYPE: GRASS	SOIL CONDITION: WET, CLAY, DIRT, SAND	WATER TABLE DEPTH: 0"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 2"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: N/A 9'	B: EDGE OF PAVEMENT 15.9'	C: N/A

PAVING THICKNESS: 0.00'	EL. AT GRADE: 42.41'
DEPTH TO TOP OF UTILITY: 2.00'	EL. AT TOP: 40.41'
DEPTH TO BOTTOM OF UTILITY: 2.20'	ELEV AT BOTTOM: 40.21'
# OF VERTICAL CONDUIT/PIPE STACKS: 1.00	
MEASURED O.D. WIDTH (FEET): 2.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1.00

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 234217.64
UTILITY DIR: WEST – EAST	EASTING: 1999603.66

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VACUUM EXCAVATION RECORD

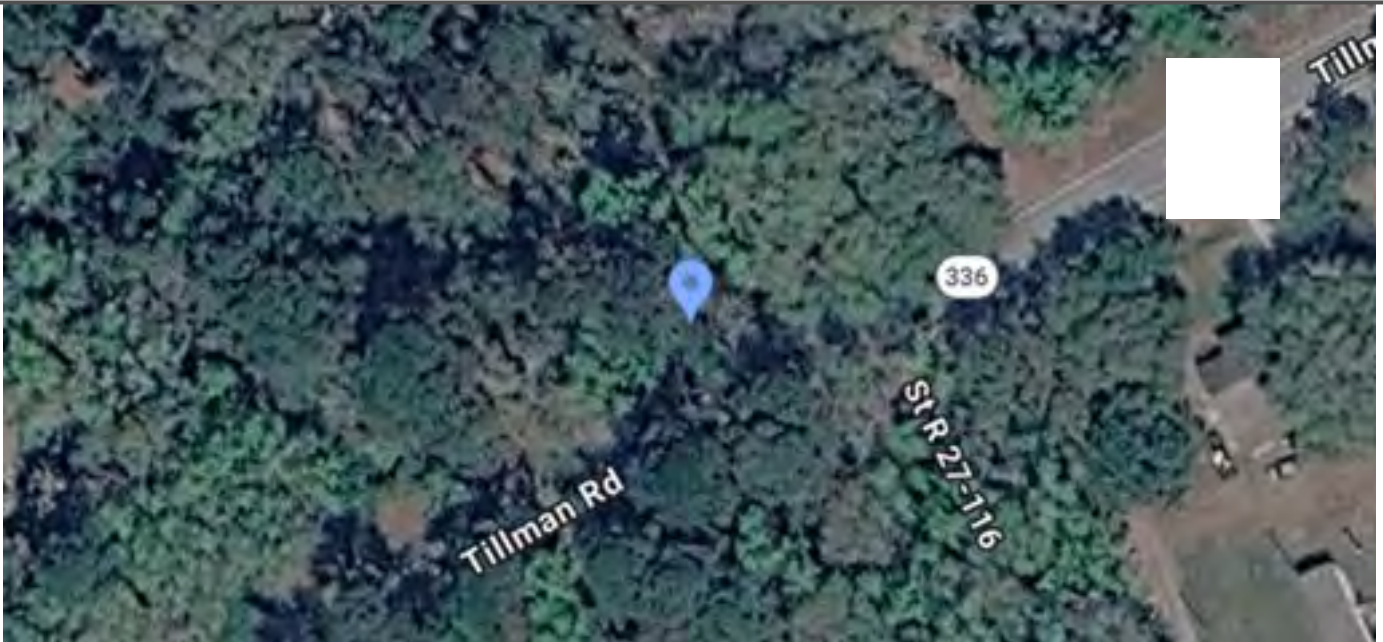
PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 21

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 21

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 21

MISCELLANEOUS PHOTOS

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 21

MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 21

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 21

MISCELLANEOUS PHOTOS

DRMP VACUUM EXCAVATION RECORD

CAMERA # ☐ CRK# ☐

PROJECT: Tillman Rd DATE: 11/14/20 DRMP# 31128201700

CONTRACT# 11/14/20 ONE-CALL # 11/14/20 F.P.N.# 31128201700

HOLE# 21 UTILITY FOUND: PT 000 2"

VERTICAL INFORMATION

DEPTH	TYPE OF UTILITY	MATERIAL
1.75'	1. Unknown	1. Unknown
2.25'	2. Unknown	2. Unknown
3.75'	3. Unknown	3. Unknown
4.75'	4. Unknown	4. Unknown
5.75'	5. Unknown	5. Unknown
6.75'	6. Unknown	6. Unknown
7.75'	7. Unknown	7. Unknown
8.75'	8. Unknown	8. Unknown
9.75'	9. Unknown	9. Unknown
10.75'	10. Unknown	10. Unknown
11.75'	11. Unknown	11. Unknown
12.75'	12. Unknown	12. Unknown
13.75'	13. Unknown	13. Unknown
14.75'	14. Unknown	14. Unknown
15.75'	15. Unknown	15. Unknown
16.75'	16. Unknown	16. Unknown
17.75'	17. Unknown	17. Unknown
18.75'	18. Unknown	18. Unknown
19.75'	19. Unknown	19. Unknown
20.75'	20. Unknown	20. Unknown
21.75'	21. Unknown	21. Unknown
22.75'	22. Unknown	22. Unknown
23.75'	23. Unknown	23. Unknown
24.75'	24. Unknown	24. Unknown
25.75'	25. Unknown	25. Unknown
26.75'	26. Unknown	26. Unknown
27.75'	27. Unknown	27. Unknown
28.75'	28. Unknown	28. Unknown
29.75'	29. Unknown	29. Unknown
30.75'	30. Unknown	30. Unknown
31.75'	31. Unknown	31. Unknown
32.75'	32. Unknown	32. Unknown
33.75'	33. Unknown	33. Unknown
34.75'	34. Unknown	34. Unknown
35.75'	35. Unknown	35. Unknown
36.75'	36. Unknown	36. Unknown
37.75'	37. Unknown	37. Unknown
38.75'	38. Unknown	38. Unknown
39.75'	39. Unknown	39. Unknown
40.75'	40. Unknown	40. Unknown
41.75'	41. Unknown	41. Unknown
42.75'	42. Unknown	42. Unknown
43.75'	43. Unknown	43. Unknown
44.75'	44. Unknown	44. Unknown
45.75'	45. Unknown	45. Unknown
46.75'	46. Unknown	46. Unknown
47.75'	47. Unknown	47. Unknown
48.75'	48. Unknown	48. Unknown
49.75'	49. Unknown	49. Unknown
50.75'	50. Unknown	50. Unknown
51.75'	51. Unknown	51. Unknown
52.75'	52. Unknown	52. Unknown
53.75'	53. Unknown	53. Unknown
54.75'	54. Unknown	54. Unknown
55.75'	55. Unknown	55. Unknown
56.75'	56. Unknown	56. Unknown
57.75'	57. Unknown	57. Unknown
58.75'	58. Unknown	58. Unknown
59.75'	59. Unknown	59. Unknown
60.75'	60. Unknown	60. Unknown
61.75'	61. Unknown	61. Unknown
62.75'	62. Unknown	62. Unknown
63.75'	63. Unknown	63. Unknown
64.75'	64. Unknown	64. Unknown
65.75'	65. Unknown	65. Unknown
66.75'	66. Unknown	66. Unknown
67.75'	67. Unknown	67. Unknown
68.75'	68. Unknown	68. Unknown
69.75'	69. Unknown	69. Unknown
70.75'	70. Unknown	70. Unknown
71.75'	71. Unknown	71. Unknown
72.75'	72. Unknown	72. Unknown
73.75'	73. Unknown	73. Unknown
74.75'	74. Unknown	74. Unknown
75.75'	75. Unknown	75. Unknown
76.75'	76. Unknown	76. Unknown
77.75'	77. Unknown	77. Unknown
78.75'	78. Unknown	78. Unknown
79.75'	79. Unknown	79. Unknown
80.75'	80. Unknown	80. Unknown
81.75'	81. Unknown	81. Unknown
82.75'	82. Unknown	82. Unknown
83.75'	83. Unknown	83. Unknown
84.75'	84. Unknown	84. Unknown
85.75'	85. Unknown	85. Unknown
86.75'	86. Unknown	86. Unknown
87.75'	87. Unknown	87. Unknown
88.75'	88. Unknown	88. Unknown
89.75'	89. Unknown	89. Unknown
90.75'	90. Unknown	90. Unknown
91.75'	91. Unknown	91. Unknown
92.75'	92. Unknown	92. Unknown
93.75'	93. Unknown	93. Unknown
94.75'	94. Unknown	94. Unknown
95.75'	95. Unknown	95. Unknown
96.75'	96. Unknown	96. Unknown
97.75'	97. Unknown	97. Unknown
98.75'	98. Unknown	98. Unknown
99.75'	99. Unknown	99. Unknown
100.75'	100. Unknown	100. Unknown

LOCATION SKETCH

Tillman Rd.



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 21

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/9/2025
CREW: STAN SPENCER WITH CHIPLEY CREW	DEVICE NAME: Jaxsur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 21A	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: GRASS	SOIL CONDITION: SOFT, WET, SAND, DIRT, CLAY	WATER TABLE DEPTH: 0"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 1"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: N/A 9'	B: N/A 7.1'	C: N/A 2.6'

PAVING THICKNESS: 0.00'	EL. AT GRADE: 42.05'
DEPTH TO TOP OF UTILITY: 1.80'	EL. AT TOP: 40.25'
DEPTH TO BOTTOM OF UTILITY: 1.90'	ELEV AT BOTTOM: 40.15'
# OF VERTICAL CONDUIT/PIPE STACKS: 1.00	
MEASURED O.D. WIDTH (FEET): 1.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1.00

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 234217.12
UTILITY DIR: WEST – EAST	EASTING: 1999601.22

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QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 21

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 21

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

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MISCELLANEOUS PHOTOS



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MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 21

MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 21

MISCELLANEOUS PHOTOS

DRMP		VACUUM EXCAVATION RECORD	
PROJECT: <u>11111111111111111111</u>		CAMERA #	CREW: <u>STAN</u>
DATE: <u>11-11-11</u>		DRAWN BY: <u>STAN</u>	
CITY/COUNTY: <u>ALABAMA</u>	ONE-CALL #	F.P.N. #	
HOUSE: <u>1111</u>	UTILITY FOUND: <u>11111111111111111111</u>		
ADDRESS: <u>11111111111111111111</u> JOB NUMBER: <u>11111111111111111111</u> JOB DATE: <u>11-11-11</u>			
VERTICAL INFORMATION HOLE DEPTH: <u>1111</u> HOLE DIA: <u>1111</u> HOLE LOCATION: <u>1111</u> HOLE TYPE: <u>1111</u> HOLE DRAIN: <u>1111</u> HOLE DRAIN: <u>1111</u>		TYPE OF UTILITY 1. <u>11111111111111111111</u> 2. <u>11111111111111111111</u> 3. <u>11111111111111111111</u> 4. <u>11111111111111111111</u> 5. <u>11111111111111111111</u> 6. <u>11111111111111111111</u> 7. <u>11111111111111111111</u> 8. <u>11111111111111111111</u> 9. <u>11111111111111111111</u> 10. <u>11111111111111111111</u> 11. <u>11111111111111111111</u> 12. <u>11111111111111111111</u> 13. <u>11111111111111111111</u> 14. <u>11111111111111111111</u> 15. <u>11111111111111111111</u> 16. <u>11111111111111111111</u> 17. <u>11111111111111111111</u> 18. <u>11111111111111111111</u> 19. <u>11111111111111111111</u> 20. <u>11111111111111111111</u> 21. <u>11111111111111111111</u> 22. <u>11111111111111111111</u> 23. <u>11111111111111111111</u> 24. <u>11111111111111111111</u> 25. <u>11111111111111111111</u> 26. <u>11111111111111111111</u> 27. <u>11111111111111111111</u> 28. <u>11111111111111111111</u> 29. <u>11111111111111111111</u> 30. <u>11111111111111111111</u> 31. <u>11111111111111111111</u> 32. <u>11111111111111111111</u> 33. <u>11111111111111111111</u> 34. <u>11111111111111111111</u> 35. <u>11111111111111111111</u> 36. <u>11111111111111111111</u> 37. <u>11111111111111111111</u> 38. <u>11111111111111111111</u> 39. <u>11111111111111111111</u> 40. <u>11111111111111111111</u> 41. <u>11111111111111111111</u> 42. <u>11111111111111111111</u> 43. <u>11111111111111111111</u> 44. <u>11111111111111111111</u> 45. <u>11111111111111111111</u> 46. <u>11111111111111111111</u> 47. <u>11111111111111111111</u> 48. <u>11111111111111111111</u> 49. <u>11111111111111111111</u> 50. <u>11111111111111111111</u> 51. <u>11111111111111111111</u> 52. <u>11111111111111111111</u> 53. <u>11111111111111111111</u> 54. <u>11111111111111111111</u> 55. <u>11111111111111111111</u> 56. <u>11111111111111111111</u> 57. <u>11111111111111111111</u> 58. <u>11111111111111111111</u> 59. <u>11111111111111111111</u> 60. <u>11111111111111111111</u> 61. <u>11111111111111111111</u> 62. <u>11111111111111111111</u> 63. <u>11111111111111111111</u> 64. <u>11111111111111111111</u> 65. <u>11111111111111111111</u> 66. <u>11111111111111111111</u> 67. <u>11111111111111111111</u> 68. <u>11111111111111111111</u> 69. <u>11111111111111111111</u> 70. <u>11111111111111111111</u> 71. <u>11111111111111111111</u> 72. <u>11111111111111111111</u> 73. <u>11111111111111111111</u> 74. <u>11111111111111111111</u> 75. <u>11111111111111111111</u> 76. <u>11111111111111111111</u> 77. <u>11111111111111111111</u> 78. <u>11111111111111111111</u> 79. <u>11111111111111111111</u> 80. <u>11111111111111111111</u> 81. <u>11111111111111111111</u> 82. <u>11111111111111111111</u> 83. <u>11111111111111111111</u> 84. <u>11111111111111111111</u> 85. <u>11111111111111111111</u> 86. <u>11111111111111111111</u> 87. <u>11111111111111111111</u> 88. <u>11111111111111111111</u> 89. <u>11111111111111111111</u> 90. <u>11111111111111111111</u> 91. <u>11111111111111111111</u> 92. <u>11111111111111111111</u> 93. <u>11111111111111111111</u> 94. <u>11111111111111111111</u> 95. <u>11111111111111111111</u> 96. <u>11111111111111111111</u> 97. <u>11111111111111111111</u> 98. <u>11111111111111111111</u> 99. <u>11111111111111111111</u> 100. <u>11111111111111111111</u>	
LOCATION INFORMATION HOLE NO: <u>1111</u> HOLE DIA: <u>1111</u> HOLE LOCATION: <u>111</u>			



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 22

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/8/2025
CREW:	STAN MIKE ARINSON			DEVICE NAME:	JaxSur3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 22	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Fiber Optic Cable	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	N/A	SOIL CONDITION:	WET, SOFT, CLAY, DIRT	WATER TABLE DEPTH:	3"
UTILITY FOUND:	FIBER OPTIC CABLE			NOMINAL SIZE (INCHES):	0.25"
UAO CONTACT INFO:	CLINK	MATERIAL:	DBC (DIRECT BURIED CABLE)		
UTILITY AGENCY/OWNER:	CENTURY LINK			IDENTIFIED BY:	SIRC 5/8
DISTANCE PULLED FROM:	A: N/A	B: N/A	C: N/A		

PAVING THICKNESS:	0.00'	EL. AT GRADE:	44.80'
DEPTH TO TOP OF UTILITY:	3.20'	EL. AT TOP:	41.60'
DEPTH TO BOTTOM OF UTILITY:	3.25'	ELEV AT BOTTOM:	41.55'
# OF VERTICAL CONDUIT/PIPE STACKS:	1.00		
MEASURED O.D. WIDTH (FEET)	0.25'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	N/A

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	234161.29
UTILITY DIR:	WEST – EAST	EASTING:	1999598.33

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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 22

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 22

MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 22

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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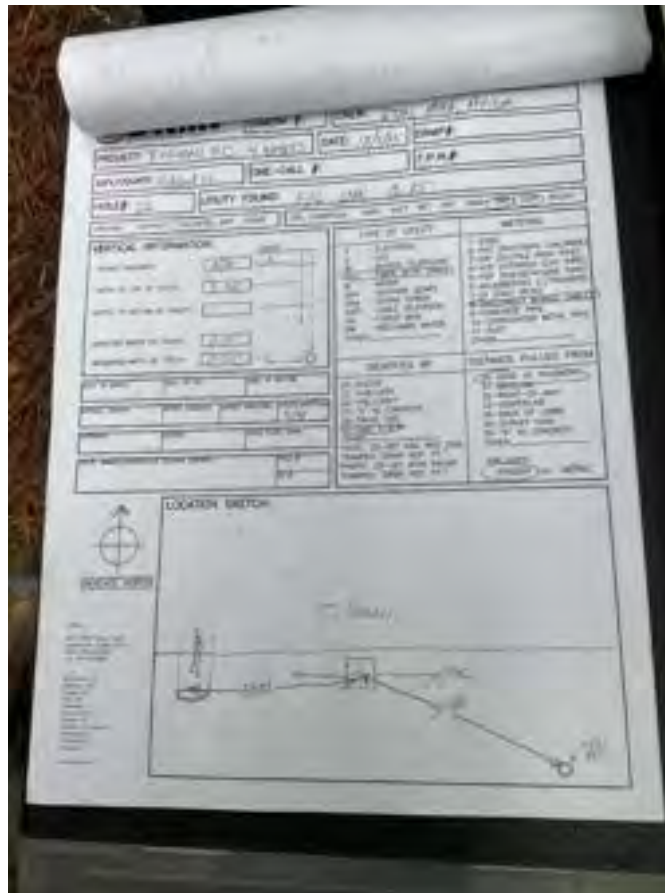
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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 22

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 23

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/8/2025
CREW:	STAN MIKE ARISON	DEVICE NAME:	Jaxsur3		
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 23	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	N/A	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	N/A	SOIL CONDITION:	WET, DIRT, CLAY	WATER TABLE DEPTH:	3"
UTILITY FOUND:	BURIED TELEPHONE	NOMINAL SIZE (INCHES):	2"		
UAO CONTACT INFO:	N/A	MATERIAL:	DBC (DIRECT BURIED CABLE)		
UTILITY AGENCY/OWNER:	CENTURY LINK	IDENTIFIED BY:	N/A		
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT 9.6'	B: N/A 74.2'	C: N/A		

PAVING THICKNESS:	N/A	EL. AT GRADE:	43.72'
DEPTH TO TOP OF UTILITY:	2.50'	EL. AT TOP:	41.22'
DEPTH TO BOTTOM OF UTILITY:	2.65'	ELEV AT BOTTOM:	41.07'
# OF VERTICAL CONDUIT/PIPE STACKS:	N/A		
MEASURED O.D. WIDTH (FEET)	0.25'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	N/A

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	234169.01
UTILITY DIR:	WEST – EAST	EASTING:	1999621.72

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 23

NOTES/COMMENTS:

APPROXIMATE LOCATION



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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 23

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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 23

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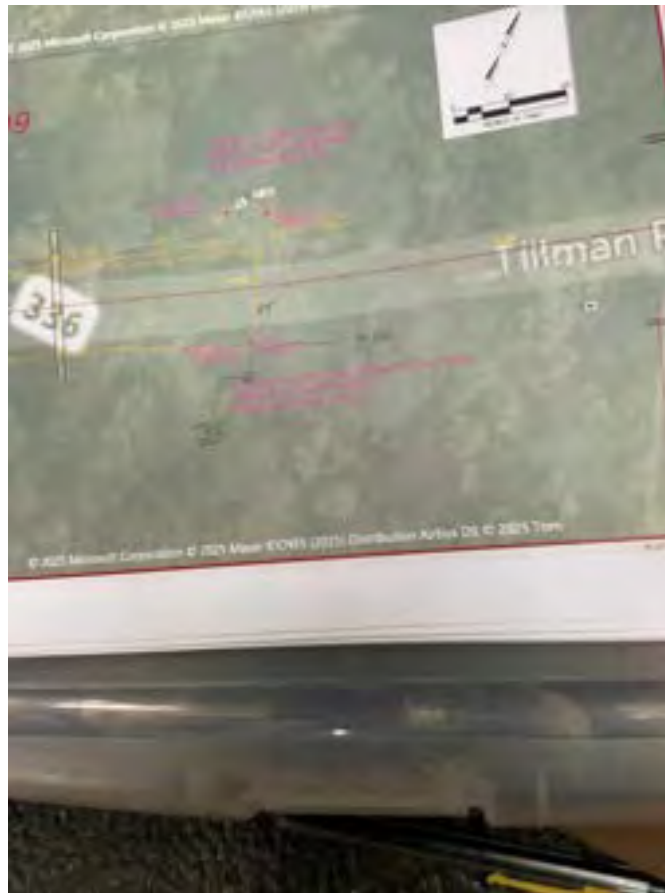
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PROJECT: TILLMAN RD

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F.P.N.:

TEST HOLE REQUEST #: 23

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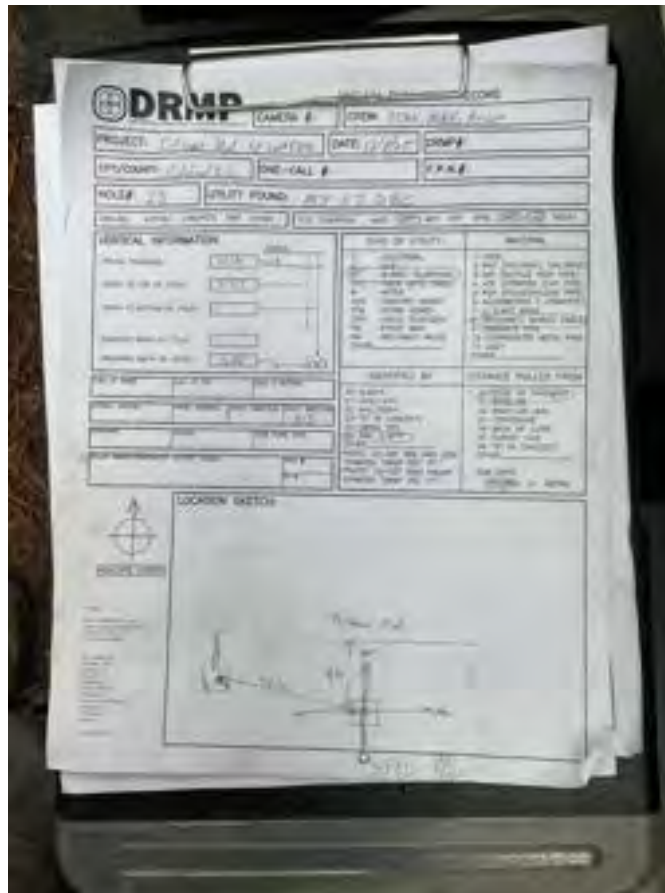
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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 23

DRMP #: 301.2501037.000		VACUUM UNIT #: 476		DATE: 12/8/2025	
CREW: STAN MIKE ARISON			DEVICE NAME: Jax Sur3		
CITY/COUNTY: RIDGELAND JASPER		ONE-CALL #: N/A		JOB UNITS: U.S. Foot	
REPORT NAME: TH 23A		EXPLORATORY HOLE #: N/A		STRUCTURE NAME & #: N/A	
REQUESTED UTILITY: Buried Telephone		RECORDED MATERIAL: N/A		RECORD UTILITY SIZE: N/A	

HOLE DETAILS

SURFACE TYPE:	N/A	SOIL CONDITION:	WET, SOFT, CLAY	WATER TABLE DEPTH:	3"
UTILITY FOUND:	BURIED TELEPHONE			NOMINAL SIZE (INCHES):	1.25"
UAO CONTACT INFO:	N/A	MATERIAL:	DBC (DIRECT BURIED CABLE)		
UTILITY AGENCY/OWNER:	CENTURY LINK			IDENTIFIED BY:	SIRC 5/8
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT	9.2'	B: N/A	74.2'	C: N/A

PAVING THICKNESS:	0.00'	EL. AT GRADE:	43.75'
DEPTH TO TOP OF UTILITY:	2.91'	EL. AT TOP:	40.84'
DEPTH TO BOTTOM OF UTILITY:	2.94'	ELEV AT BOTTOM:	40.81'
# OF VERTICAL CONDUIT/PIPE STACKS:	N/A		
MEASURED O.D. WIDTH (FEET)	0.25'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	N/A

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	234169.68
UTILITY DIR:	WEST – EAST	EASTING:	1999622.12

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 23

NOTES/COMMENTS:

APPROXIMATE LOCATION



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PROJECT: TILLMAN RD

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F.P.N.:

TEST HOLE REQUEST #: 23

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 23

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 24

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/10/2025
CREW: STAN MIKE, ARISON	DEVICE NAME: JAXSUR3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 24	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: N/A	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: WET, CLAY, DIRT	WATER TABLE DEPTH: 0"
UTILITY FOUND: CABLE TELEVISION	NOMINAL SIZE (INCHES): 0.5"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: COMCAST	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 5.4'	B: N/A 11.4'	C: N/A 42'

PAVING THICKNESS: 0.00'	EL. AT GRADE: 45.46'
DEPTH TO TOP OF UTILITY: 2.33'	EL. AT TOP: 43.13'
DEPTH TO BOTTOM OF UTILITY: 2.38'	ELEV AT BOTTOM: 43.08'
# OF VERTICAL CONDUIT/PIPE STACKS: 1.00	
MEASURED O.D. WIDTH (FEET) 0.50'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1.00

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 234399.43
UTILITY DIR: WEST – EAST	EASTING: 2000012.96

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 24

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 24

MISCELLANEOUS PHOTOS



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TEST HOLE REQUEST #: 24

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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 24

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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 24

MISCELLANEOUS PHOTOS





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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 24

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 24

MISCELLANEOUS PHOTOS

DRMP VACUUM EXCAVATION RECORD

CAMERA # _____ ORDER # _____

PROJECT: Tillman Rd DATE: 11/1/2018 DRMP # _____

CITY/STATE: Orlando, FL ONE-CALL # _____ F.P.N. # _____

HOLE # 24 UTILITY FOUND: 1.5" CATV DISC

PROBABLE DEPTH: 1.5' ACTUAL DEPTH: 1.5' TOTAL DEPTH: 1.5'

VERTICAL INFORMATION:

DEPTH (ft)	DESCRIPTION
0.0	GROUND SURFACE
0.5	1.5" CATV DISC
1.5	END OF HOLE

LOCATION SKETCH:

Scale: 1" = 10'

North Arrow

Excavation Area

Utility Lines

Property Lines

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 24

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/10/2025
CREW: STAN MIKE ARISON	DEVICE NAME: Jaxsur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 24A	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: 0.5

HOLE DETAILS

SURFACE TYPE: GRASS	SOIL CONDITION: WET, CLAY, DIRT	WATER TABLE DEPTH: N/A
UTILITY FOUND: FIBER OPTIC CABLE	NOMINAL SIZE (INCHES): 0.5"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: N/A	B: N/A	C: N/A

PAVING THICKNESS: 0.00'	EL. AT GRADE: 44.97'
DEPTH TO TOP OF UTILITY: 3.05'	EL. AT TOP: 41.92'
DEPTH TO BOTTOM OF UTILITY: 3.15'	ELEV AT BOTTOM: 41.82'
# OF VERTICAL CONDUIT/PIPE STACKS: 2.00	
MEASURED O.D. WIDTH (FEET) 0.50'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1.00

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 234396.45
UTILITY DIR: WEST – EAST	EASTING: 2000017.85

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 24

NOTES/COMMENTS:

APPROXIMATE LOCATION



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Approver:

QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 24

MISCELLANEOUS PHOTOS



DRMP

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Phone: +1 407.896.0594 | Website: www.drmp.com/

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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 24

MISCELLANEOUS PHOTOS





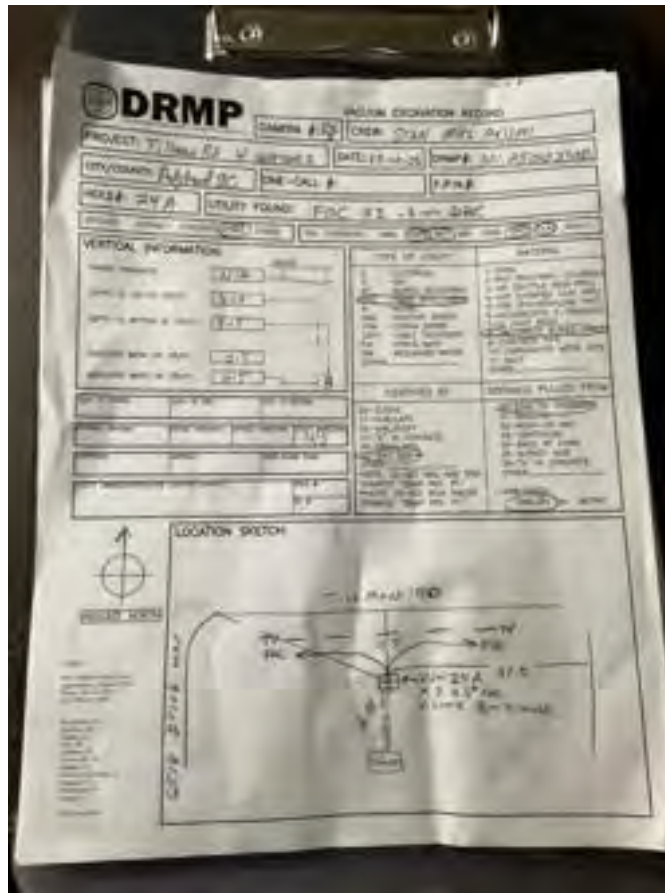
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MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 25

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/10/2025
CREW:	STAN MARCUS JACE SPENCER			DEVICE NAME:	JAXSUR3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 25	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Buried Telephone	RECORDED MATERIAL:	DBC (Direct Buried Cable)	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	DIRT	SOIL CONDITION:	SOFT, WET, CLAY, DIRT	WATER TABLE DEPTH:	0"
UTILITY FOUND:	BURIED TELEPHONE			NOMINAL SIZE (INCHES):	1"
UAO CONTACT INFO:	N/A	MATERIAL:	DBC (DIRECT BURIED CABLE)		
UTILITY AGENCY/OWNER:	CENTURY LINK			IDENTIFIED BY:	SIRC 5/8
DISTANCE PULLED FROM:	A: N/A 25.2'	B: EDGE OF PAVEMENT	2.6'	C: N/A	5.1'

PAVING THICKNESS:	0.00'	EL. AT GRADE:	46.40'
DEPTH TO TOP OF UTILITY:	2.71'	EL. AT TOP:	43.69'
DEPTH TO BOTTOM OF UTILITY:	2.81'	ELEV AT BOTTOM:	43.59'
# OF VERTICAL CONDUIT/PIPE STACKS:	1.00		
MEASURED O.D. WIDTH (FEET)	1.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1.00

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	234715.43
UTILITY DIR:	WEST – EAST	EASTING:	2000493.89

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 25

NOTES/COMMENTS:

APPROXIMATE LOCATION





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 25

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F.P.N.:

TEST HOLE REQUEST #: 25

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 25

MISCELLANEOUS PHOTOS





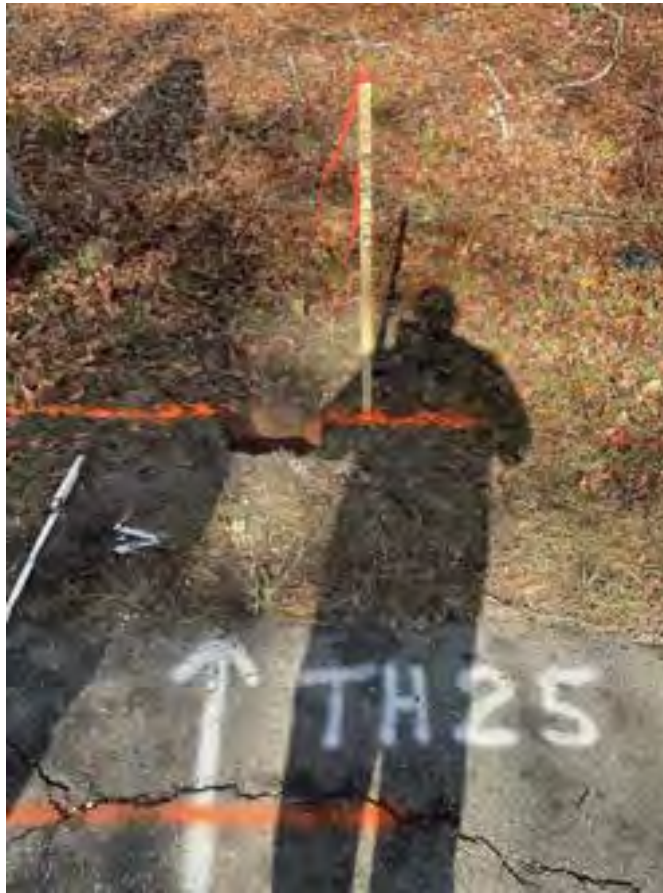
VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 25

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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MISCELLANEOUS PHOTOS

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 25

DRMP #:	301.2501037.000	VACUUM UNIT #:	210	DATE:	12/13/2025
CREW:	STAN SPENCER JACE ARISON MARCUS			DEVICE NAME:	JaxSur3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 25A	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Water	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	ASPHALT	SOIL CONDITION:	SOFT, SAND, DIRT	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	WATER			NOMINAL SIZE (INCHES):	1.25"
UAO CONTACT INFO:	RIDGELAND SC		MATERIAL:	PE (POLYETHYLENE PIPE)	
UTILITY AGENCY/OWNER:	TOWN OF RIDGELAND			IDENTIFIED BY:	NAIL/DISK
DISTANCE PULLED FROM:	A: N/A	85.5'	B: EDGE OF PAVEMENT	16.2'	C: N/A

PAVING THICKNESS:	1.00'	EL. AT GRADE:	43.81'
DEPTH TO TOP OF UTILITY:	3.21'	EL. AT TOP:	40.60'
DEPTH TO BOTTOM OF UTILITY:	3.31'	ELEV AT BOTTOM:	40.50'
# OF VERTICAL CONDUIT/PIPE STACKS:	1.00		
MEASURED O.D. WIDTH (FEET)	1.25'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1.00

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	235672.07
UTILITY DIR:	SOUTH – NORTH	EASTING:	2007179.97

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 25

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 25

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

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MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 25

MISCELLANEOUS PHOTOS





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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 25

MISCELLANEOUS PHOTOS



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QA/QC Final Approver:



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 25

MISCELLANEOUS PHOTOS



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QA/QC Final Approver:



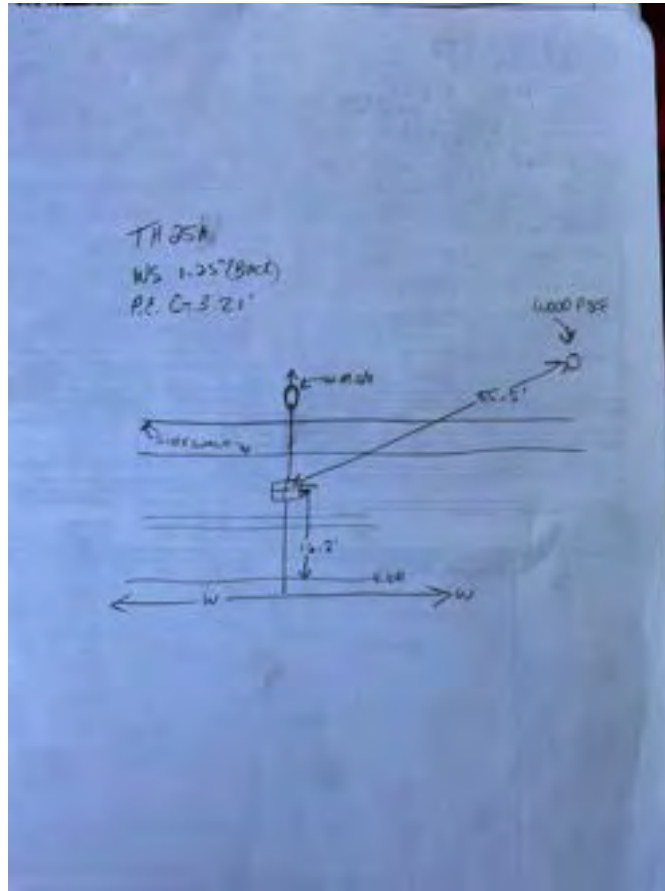
VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 25

MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 25

MISCELLANEOUS PHOTOS

 DRMP		11-13-95	
PROJECT: <u>T. Brey Old - 4 INTERLUS</u>		ORDER CL: <u>Spring Street, Abbeville</u>	
CITY/COUNTY: <u>Roberts Co</u>		STATE: <u>OK</u>	
TRAIL# <u>35A</u>		UTILITY FOUND: <u>1.25" DG. BLANK W/IRREVERSIBLE</u>	
MATERIAL: <u>CONCRETE</u>		DIA. (INCHES): <u>2.00</u>	
DEPTH (FEET): <u>1.25</u>		DIST. (FEET): <u>1.25</u>	
VERTICAL INFORMATION		Type of Utility	
NAME (FURNISHED): <u>2.00"</u>		Material	
DEPTH TO TOP OF UTILITY: <u>3.00"</u>		1. Steel 2. Cast Iron 3. Ductile Iron 4. Concrete 5. Plastic 6. Other	
DEPTH TO BOTTOM OF UTILITY: <u>3.00"</u>		1. Steel 2. Cast Iron 3. Ductile Iron 4. Concrete 5. Plastic 6. Other	
WIDTH OF UTILITY: <u>1.25"</u>		1. Steel 2. Cast Iron 3. Ductile Iron 4. Concrete 5. Plastic 6. Other	
USE OF UTILITY		Description of Utility	
1. Water 2. Sewer 3. Gas 4. Oil 5. Other		1. Water 2. Sewer 3. Gas 4. Oil 5. Other	
Apparent Condition		Apparent Condition	
1. Good 2. Fair 3. Poor 4. Very Poor 5. Other		1. Good 2. Fair 3. Poor 4. Very Poor 5. Other	
LOCATION SKETCH		VERTICAL SKETCH	



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 26

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/10/2025
CREW: STAN MARCUS JACE SPENCER	DEVICE NAME: JaxSur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 26	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: SOFT, WET, CLAY	WATER TABLE DEPTH: 0"
UTILITY FOUND: CABLE TELEVISION	NOMINAL SIZE (INCHES): 0.5"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: COMCAST	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 4.8'	B: N/A 10.2'	C: N/A 10.7'

PAVING THICKNESS: 0.00'	EL. AT GRADE: 46.01'
DEPTH TO TOP OF UTILITY: 2.10'	EL. AT TOP: 43.91'
DEPTH TO BOTTOM OF UTILITY: 2.15'	ELEV AT BOTTOM: 43.86'
# OF VERTICAL CONDUIT/PIPE STACKS: 1.00	
MEASURED O.D. WIDTH (FEET) 0.50'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1.00

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 234672.02
UTILITY DIR: WEST – EAST	EASTING: 2000486.46

DRMP

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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 26

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 26

PRELIMINARY SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 26

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 26

UTILITY INFORMATION GATHERED



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 26

LEVEL ROD MEASUREMENT PHOTO



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 26

REPAIRED SURFACE PHOTO



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REPAIRED SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 26

SITE SKETCH

DRMP VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD DATE: 01/11/2017
F.P.N.: TEST HOLE REQUEST #: 26

VERTICAL INFORMATION

DATE OF TEST: 01/11/2017
TIME OF TEST: 10:00 AM
LOCATION: TILLMAN RD

LOCATION SKETCH

The sketch shows a site plan with a vacuum excavation pit, a test hole, and various utility lines. The pit is located near the intersection of TILLMAN RD and another road. The test hole is located within the pit. The sketch also shows the location of the test hole relative to the pit and the road.

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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 26

MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 27

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/10/2025
CREW: STAN SPENCER MARCUS JACE	DEVICE NAME: JaxSur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 27	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: 0.5

HOLE DETAILS

SURFACE TYPE: N/A	SOIL CONDITION: WET, SOFT, DIRT, CLAY	WATER TABLE DEPTH: 0"
UTILITY FOUND: FIBER OPTIC CABLE	NOMINAL SIZE (INCHES): 2"	
UAO CONTACT INFO: N/A	MATERIAL: PE (POLYETHYLENE PIPE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 3.5'	B: N/A 12'	C: N/A 12.5'

PAVING THICKNESS: 0.00'	EL. AT GRADE: 46.18'
DEPTH TO TOP OF UTILITY: 3.90'	EL. AT TOP: 42.28'
DEPTH TO BOTTOM OF UTILITY: 4.10'	ELEV AT BOTTOM: 42.08'
# OF VERTICAL CONDUIT/PIPE STACKS: 1.00	
MEASURED O.D. WIDTH (FEET) 2.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1.00

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 234674.11
UTILITY DIR: WEST – EAST	EASTING: 2000487.57

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Approver:
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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 27

NOTES/COMMENTS:

APPROXIMATE LOCATION



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 27

PRELIMINARY SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 27

UTILITY PHOTO



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UTILITY INFORMATION GATHERED



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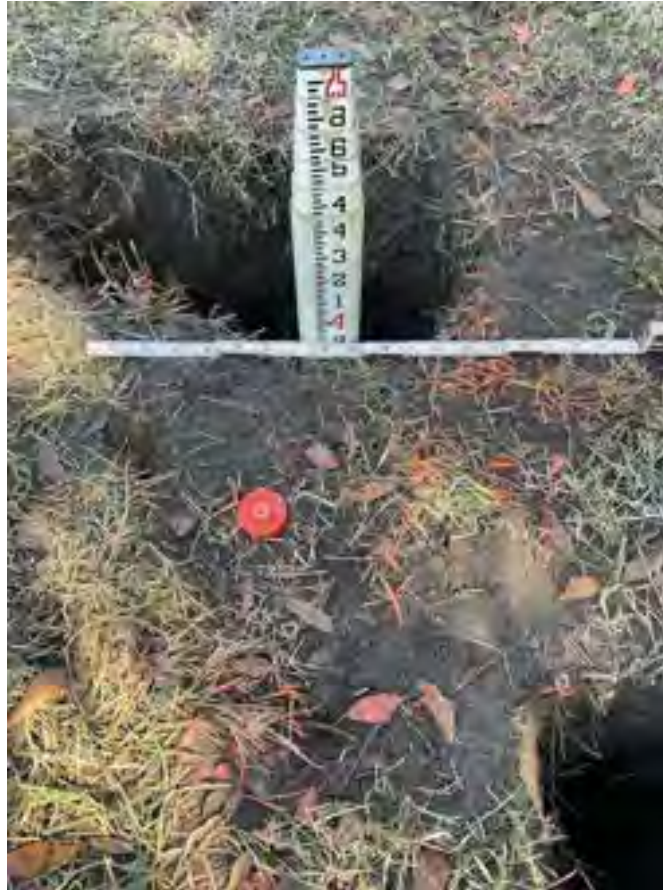
VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 27

LEVEL ROD MEASUREMENT PHOTO



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VACUUM EXCAVATION RECORD

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F.P.N.:

TEST HOLE REQUEST #: 27

REPAIRED SURFACE PHOTO



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REPAIRED SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 27

SITE SKETCH

The image shows a handwritten site sketch and a vacuum excavation record form. The form is titled "VACUUM EXCAVATION RECORD" and "DRMP". It contains fields for PROJECT, DATE, CDR, and other project details. The "LOCATION SKETCH" section shows a hand-drawn map of the site, including a road labeled "TILLMAN RD" and a "DRILL HOLE" location. The sketch also includes a north arrow and a scale bar.

VACUUM EXCAVATION RECORD

DRMP

PROJECT: TILLMAN RD DATE: 10/10/2018 CDR: [Signature]

UTILITY FOUND: [Handwritten notes]

LOCATION SKETCH

Sketch of site showing road layout, utility lines, and the location of the vacuum excavation. The sketch includes a north arrow and a scale bar.

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Approver:

QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 28

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/10/2025
CREW: STAN MIKE ARISON	DEVICE NAME: JAXSUR3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 28	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: WET, SOFT, DIRT, CLAY	WATER TABLE DEPTH: 0"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 3"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 10.1'	B: N/A 12.7'	C: N/A 14.2'

PAVING THICKNESS: 0'	EL. AT GRADE: 44.72'
DEPTH TO TOP OF UTILITY: 1.98'	EL. AT TOP: 42.74'
DEPTH TO BOTTOM OF UTILITY: 2.23'	ELEV AT BOTTOM: 42.49'
# OF VERTICAL CONDUIT/PIPE STACKS: 1	
MEASURED O.D. WIDTH (FEET) 3'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 2

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 234930.43
UTILITY DIR: WEST – EAST	EASTING: 2000853.06

DRMP

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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 28

NOTES/COMMENTS:

APPROXIMATE LOCATION





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 28

PRELIMINARY SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 28

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 28

LEVEL ROD MEASUREMENT PHOTO



PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 28

REPAIRED SURFACE PHOTO

VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 28

SITE SKETCH

<b style="font-size: 2em; vertical-align: middle;">DRMP		VACUUM EXHAUSTION RECORD (W/KEY)	
CAMERA #		CROW: (TALL, HT, HAIR)	
PROJECT: <u>Tillman Rd 4</u>		DATE: <u>11-14-10</u> DRMP#: <u>361-21-000-37-000</u>	
CITY/COAST: <u>Albany, GA</u>		ONE-CALL # <u>66666</u>	
HOLE# <u>27</u>		UTILITY FOUND: <u>15' 17" 3.5' 3" 4.5'</u>	
Settings: <u>Albany</u> <u>Albany</u> <u>Albany</u> <u>Albany</u>		View: <u>Normal</u> <u>Wide</u> <u>3D</u> <u>45°</u> <u>90°</u> <u>135°</u> <u>180°</u> <u>225°</u> <u>270°</u> <u>315°</u>	
VERTICAL INFORMATION Initial Position: <u>10</u> Initial to top of hole: <u>10</u> Initial to bottom of hole: <u>10</u> Estimated depth of hole: <u>10</u> Estimated water level: <u>10</u>		TYPE OF HOLE 1. <u>Drill</u> 2. <u>Auger</u> 3. <u>Hand-dug</u> 4. <u>Other</u> 5. <u>Other</u> 6. <u>Other</u> 7. <u>Other</u> 8. <u>Other</u> 9. <u>Other</u> 10. <u>Other</u> 11. <u>Other</u> 12. <u>Other</u> 13. <u>Other</u> 14. <u>Other</u> 15. <u>Other</u> 16. <u>Other</u> 17. <u>Other</u> 18. <u>Other</u> 19. <u>Other</u> 20. <u>Other</u> 21. <u>Other</u> 22. <u>Other</u> 23. <u>Other</u> 24. <u>Other</u> 25. <u>Other</u> 26. <u>Other</u> 27. <u>Other</u> 28. <u>Other</u> 29. <u>Other</u> 30. <u>Other</u> 31. <u>Other</u> 32. <u>Other</u> 33. <u>Other</u> 34. <u>Other</u> 35. <u>Other</u> 36. <u>Other</u> 37. <u>Other</u> 38. <u>Other</u> 39. <u>Other</u> 40. <u>Other</u> 41. <u>Other</u> 42. <u>Other</u> 43. <u>Other</u> 44. <u>Other</u> 45. <u>Other</u> 46. <u>Other</u> 47. <u>Other</u> 48. <u>Other</u> 49. <u>Other</u> 50. <u>Other</u> 51. <u>Other</u> 52. <u>Other</u> 53. <u>Other</u> 54. <u>Other</u> 55. <u>Other</u> 56. <u>Other</u> 57. <u>Other</u> 58. <u>Other</u> 59. <u>Other</u> 60. <u>Other</u> 61. <u>Other</u> 62. <u>Other</u> 63. <u>Other</u> 64. <u>Other</u> 65. <u>Other</u> 66. <u>Other</u> 67. <u>Other</u> 68. <u>Other</u> 69. <u>Other</u> 70. <u>Other</u> 71. <u>Other</u> 72. <u>Other</u> 73. <u>Other</u> 74. <u>Other</u> 75. <u>Other</u> 76. <u>Other</u> 77. <u>Other</u> 78. <u>Other</u> 79. <u>Other</u> 80. <u>Other</u> 81. <u>Other</u> 82. <u>Other</u> 83. <u>Other</u> 84. <u>Other</u> 85. <u>Other</u> 86. <u>Other</u> 87. <u>Other</u> 88. <u>Other</u> 89. <u>Other</u> 90. <u>Other</u> 91. <u>Other</u> 92. <u>Other</u> 93. <u>Other</u> 94. <u>Other</u> 95. <u>Other</u> 96. <u>Other</u> 97. <u>Other</u> 98. <u>Other</u> 99. <u>Other</u> 100. <u>Other</u>	
1. <u>Drill</u> 2. <u>Auger</u> 3. <u>Hand-dug</u> 4. <u>Other</u> 5. <u>Other</u> 6. <u>Other</u> 7. <u>Other</u> 8. <u>Other</u> 9. <u>Other</u> 10. <u>Other</u> 11. <u>Other</u> 12. <u>Other</u> 13. <u>Other</u> 14. <u>Other</u> 15. <u>Other</u> 16. <u>Other</u> 17. <u>Other</u> 18. <u>Other</u> 19. <u>Other</u> 20. <u>Other</u> 21. <u>Other</u> 22. <u>Other</u> 23. <u>Other</u> 24. <u>Other</u> 25. <u>Other</u> 26. <u>Other</u> 27. <u>Other</u> 28. <u>Other</u> 29. <u>Other</u> 30. <u>Other</u> 31. <u>Other</u> 32. <u>Other</u> 33. <u>Other</u> 34. <u>Other</u> 35. <u>Other</u> 36. <u>Other</u> 37. <u>Other</u> 38. <u>Other</u> 39. <u>Other</u> 40. <u>Other</u> 41. <u>Other</u> 42. <u>Other</u> 43. <u>Other</u> 44. <u>Other</u> 45. <u>Other</u> 46. <u>Other</u> 47. <u>Other</u> 48. <u>Other</u> 49. <u>Other</u> 50. <u>Other</u> 51. <u>Other</u> 52. <u>Other</u> 53. <u>Other</u> 54. <u>Other</u> 55. <u>Other</u> 56. <u>Other</u> 57. <u>Other</u> 58. <u>Other</u> 59. <u>Other</u> 60. <u>Other</u> 61. <u>Other</u> 62. <u>Other</u> 63. <u>Other</u> 64. <u>Other</u> 65. <u>Other</u> 66. <u>Other</u> 67. <u>Other</u> 68. <u>Other</u> 69. <u>Other</u> 70. <u>Other</u> 71. <u>Other</u> 72. <u>Other</u> 73. <u>Other</u> 74. <u>Other</u> 75. <u>Other</u> 76. <u>Other</u> 77. <u>Other</u> 78. <u>Other</u> 79. <u>Other</u> 80. <u>Other</u> 81. <u>Other</u> 82. <u>Other</u> 83. <u>Other</u> 84. <u>Other</u> 85. <u>Other</u> 86. <u>Other</u> 87. <u>Other</u> 88. <u>Other</u> 89. <u>Other</u> 90. <u>Other</u> 91. <u>Other</u> 92. <u>Other</u> 93. <u>Other</u> 94. <u>Other</u> 95. <u>Other</u> 96. <u>Other</u> 97. <u>Other</u> 98. <u>Other</u> 99. <u>Other</u> 100. <u>Other</u>		CONTINUED BY: 1. <u>Drill</u> 2. <u>Auger</u> 3. <u>Hand-dug</u> 4. <u>Other</u> 5. <u>Other</u> 6. <u>Other</u> 7. <u>Other</u> 8. <u>Other</u> 9. <u>Other</u> 10. <u>Other</u> 11. <u>Other</u> 12. <u>Other</u> 13. <u>Other</u> 14. <u>Other</u> 15. <u>Other</u> 16. <u>Other</u> 17. <u>Other</u> 18. <u>Other</u> 19. <u>Other</u> 20. <u>Other</u> 21. <u>Other</u> 22. <u>Other</u> 23. <u>Other</u> 24. <u>Other</u> 25. <u>Other</u> 26. <u>Other</</u>	



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 29

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/10/2025
CREW: STAN ARISON MIKE	DEVICE NAME: JAXSUR3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 29	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: WET, SOFT, SAND, DIRT, CLAY	WATER TABLE DEPTH: 0"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 3"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 7.4'	B: N/A 14.7'	C: N/A 55.3'

PAVING THICKNESS: 0.00'	EL. AT GRADE: 45.98'
DEPTH TO TOP OF UTILITY: 3.39'	EL. AT TOP: 42.59'
DEPTH TO BOTTOM OF UTILITY: 3.69'	ELEV AT BOTTOM: 42.29'
# OF VERTICAL CONDUIT/PIPE STACKS: 1.00	
MEASURED O.D. WIDTH (FEET) 3.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1.00

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 235400.64
UTILITY DIR: WEST – EAST	EASTING: 2001673.25

DRMP

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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 29

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 29

PRELIMINARY SURFACE PHOTO





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 29

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 29

UTILITY INFORMATION GATHERED



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 29

LEVEL ROD MEASUREMENT PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 29

REPAIRED SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 29

SITE SKETCH

The photograph shows a completed DRMP Vacuum Excavation Record form and a site sketch. The form is titled "DRMP VACUUM EXCAVATION RECORD" and includes fields for PROJECT, CAMERA #, OPERATOR, DATE, CITY/COUNTY, ONE-CALL #, F.P.N., and HOLE #. The site sketch is a hand-drawn diagram showing the location of the excavation hole relative to a road and a utility line. The sketch includes a north arrow and a scale bar.

DRMP VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD CAMERA #: OPERATOR: DATE: CITY/COUNTY: ONE-CALL #: F.P.N.: HOLE #: UTILITY FOUND: ST FIBER 3"

VERTICAL INFORMATION

DEPTH (FEET)	TYPE OF UTILITY	REMARKS
0.0	GROUND SURFACE	
1.0	ST FIBER 3"	
2.0		
3.0		
4.0		
5.0		
6.0		
7.0		
8.0		
9.0		
10.0		

LOCATION SKETCH

The sketch shows a road labeled "TILLMAN RD" and a utility line labeled "ST FIBER 3\"". The excavation hole is located at a depth of 3.0 feet from the ground surface. The sketch includes a north arrow and a scale bar.

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 29

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/10/2025
CREW: STAN SPENCER JACE MARCUS	DEVICE NAME: JaxSur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 29A	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: 3

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: WET, SOFT, DIRT, CLAY	WATER TABLE DEPTH: 0"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 3"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: N/A 17'	B: EDGE OF PAVEMENT 7.5'	C: N/A 64'

PAVING THICKNESS: 0'	EL. AT GRADE: 46.15'
DEPTH TO TOP OF UTILITY: 2'	EL. AT TOP: 44.15'
DEPTH TO BOTTOM OF UTILITY: 2.25'	ELEV AT BOTTOM: 43.90'
# OF VERTICAL CONDUIT/PIPE STACKS: 1	
MEASURED O.D. WIDTH (FEET) 0.25'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 235396.57
UTILITY DIR: WEST – EAST	EASTING: 2001666.05

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 29

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 29

PRELIMINARY SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 29

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 29

UTILITY INFORMATION GATHERED



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 29

LEVEL ROD MEASUREMENT PHOTO





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 29

REPAIRED SURFACE PHOTO



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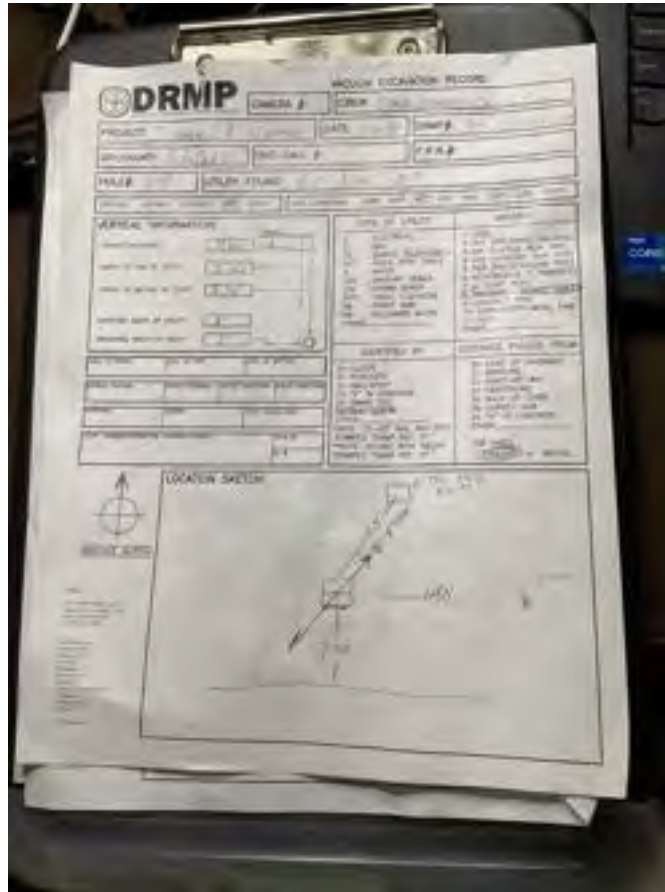
VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 29

SITE SKETCH



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 30

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/8/2025
CREW: STAN MIKE ARISON	DEVICE NAME: JaxSue3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 30	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: SOFT, WET, DIRT, CLAY	WATER TABLE DEPTH: 0"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 1"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: N/A	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 8.7'	B: N/A 31.7'	C: N/A

PAVING THICKNESS: 0.00'	EL. AT GRADE: 45.94'
DEPTH TO TOP OF UTILITY: 2.35'	EL. AT TOP: 43.59'
DEPTH TO BOTTOM OF UTILITY: 2.45'	ELEV AT BOTTOM: 43.49'
# OF VERTICAL CONDUIT/PIPE STACKS: 1.00	
MEASURED O.D. WIDTH (FEET) 1.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1.00

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 235486.97
UTILITY DIR: WEST – EAST	EASTING: 2001821.19

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QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 30

NOTES/COMMENTS:

APPROXIMATE LOCATION



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Approver:

QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 30

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 30

MISCELLANEOUS PHOTOS



PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 30

MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 30

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 30

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 30

MISCELLANEOUS PHOTOS

DRMP VACUUM EXCAVATION RECORD - VWP-3

PROJECT: TILLMAN RD DATE: 7/1/17 TEST HOLE REQUEST #: 30

UTILITY FOUND: 1" WATER, 1" GAS, 1" ELECTRIC, 1" CABLE

EXCAVATION SKETCH: VWP #1, 1" WATER, 1" GAS, 1" ELECTRIC, 1" CABLE, TILLMAN RD



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 31

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/8/2025
CREW:	STAN MIKE ARISON			DEVICE NAME:	Jaxsur3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 31	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Buried Telephone	RECORDED MATERIAL:	DBC (Direct Buried Cable)	RECORD UTILITY SIZE:	2

HOLE DETAILS

SURFACE TYPE:	GRASS	SOIL CONDITION:	SOFT, DIRT, SAND, CLAY	WATER TABLE DEPTH:	0"
UTILITY FOUND:	BURIED TELEPHONE			NOMINAL SIZE (INCHES):	2"
UAO CONTACT INFO:	N/A			MATERIAL:	DBC (DIRECT BURIED CABLE)
UTILITY AGENCY/OWNER:	CENTURY LINK			IDENTIFIED BY:	SIRC 5/8
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT	7.2'	B: N/A	16.8'	C: N/A

PAVING THICKNESS:	0.00'	EL. AT GRADE:	46.14'
DEPTH TO TOP OF UTILITY:	4.05'	EL. AT TOP:	42.09'
DEPTH TO BOTTOM OF UTILITY:	4.25'	ELEV AT BOTTOM:	41.89'
# OF VERTICAL CONDUIT/PIPE STACKS:	N/A		
MEASURED O.D. WIDTH (FEET)	2.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	N/A

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	235497.30
UTILITY DIR:	WEST – EAST	EASTING:	2001841.49

DRMP

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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 31

NOTES/COMMENTS:

APPROXIMATE LOCATION





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 31

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

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MISCELLANEOUS PHOTOS



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F.P.N.:

TEST HOLE REQUEST #: 31

MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

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MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 31

MISCELLANEOUS PHOTOS

DRMP VACUUM EXCAVATION RECORD (VR-31)

CAMERA # _____ DATE: 12/1/25 DRMP# 30125000000000000000

PROJECT: Tillman Rd 4 WIDE/25 DATE: 12/1/25 DRMP# 30125000000000000000

CITY/COMP: 611/1 CC ONE-CALL # _____ F.P.N.# _____

HOLE# 31 UTILITY FOUND: 12/1/25 2"

VERTICAL INFORMATION

DEPTH	TYPE OF UTILITY	REMARKS
1.00	1.00	1.00
2.00	2.00	2.00
3.00	3.00	3.00
4.00	4.00	4.00
5.00	5.00	5.00
6.00	6.00	6.00
7.00	7.00	7.00
8.00	8.00	8.00
9.00	9.00	9.00
10.00	10.00	10.00

LOCATION SKETCH

WIDE/25

TILLMAN RD

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 32

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/8/2025
CREW: STAN MIKE ARISON	DEVICE NAME: Jaxsur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 32	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: 2

HOLE DETAILS

SURFACE TYPE: GRASS	SOIL CONDITION: WET, SOFT, DIRT, CLAY, SAND, HARD	WATER TABLE DEPTH: 0"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 2"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: N/A	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 8.3'	B: N/A 19.9'	C: N/A

PAVING THICKNESS: 0.00'	EL. AT GRADE: 46.08'
DEPTH TO TOP OF UTILITY: 3.38'	EL. AT TOP: 42.70'
DEPTH TO BOTTOM OF UTILITY: 3.58'	ELEV AT BOTTOM: 42.50'
# OF VERTICAL CONDUIT/PIPE STACKS: 1.00	
MEASURED O.D. WIDTH (FEET) 2.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS: N/A

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 235507.22
UTILITY DIR: WEST – EAST	EASTING: 2001857.21

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QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 32

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 32

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 32

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 32

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 32

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 32

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 32

MISCELLANEOUS PHOTOS

DRMP VACUUM EXCAVATION RECORD 10/14/92

CAMERA # _____ CREW John Smith

PROJECT TILLMAN RD DATE 10/14/92 DRMP# 301 250 032 000

CITY/COUNTY ORANGE FL ONE-CALL # _____ F.P.N. # _____

HOLE # 1 UTILITY FOUND: BY DRMP

VERTICAL INFORMATION

TYPE OF UTILITY	DEPTH
1. AIR	
2. GAS	
3. WATER	
4. SEWER	
5. RAILROAD	
6. HIGH VOLTAGE	
7. LOW VOLTAGE	
8. CABLE	
9. OTHER	

DEPT. BY _____ DISTANCE PAUSED FROM _____

LOCATION SKETCH

TELEPHONE
VVIH 32
4' 0"
TILLMAN
4' 0"

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 33

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/8/2025
CREW: STAN MIKE ARISON	DEVICE NAME: Jaxsue3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 33	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: 1

HOLE DETAILS

SURFACE TYPE: GRASS	SOIL CONDITION: SOFT, WET, DIRT, CLAY	WATER TABLE DEPTH: N/A
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 1"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 9.3'	B: N/A 25.2'	C: N/A

PAVING THICKNESS: 0'	EL. AT GRADE: 45.90'
DEPTH TO TOP OF UTILITY: 2.71'	EL. AT TOP: 43.19'
DEPTH TO BOTTOM OF UTILITY: 2.81'	ELEV AT BOTTOM: 43.09'
# OF VERTICAL CONDUIT/PIPE STACKS: 1	
MEASURED O.D. WIDTH (FEET) 1'	# OF HORIZONTAL CONDUIT/PIPE STACKS: N/A

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 235511.94
UTILITY DIR: WEST – EAST	EASTING: 2001863.47

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Approver:
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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 33

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 33

MISCELLANEOUS PHOTOS



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MISCELLANEOUS PHOTOS



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MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 33

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 33

MISCELLANEOUS PHOTOS



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MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 33

MISCELLANEOUS PHOTOS

DRMP VACUUM EXCAVATION RECORD 4/4/13

CAMERA #: 100 DATE: 12/10/13 DRMP# 331 2364872.HO

PROJECT: Tillman Rd. at Westing ONE-CALL # 100 F.P.N. # 100

UTILITY FOUND: 1" 1/2" 1.0"

VERTICAL INFORMATION:

TYPE OF UTILITY	APPROX. DEPTH
1. TELEPHONE	1.00
2. CABLE	1.00
3. WATER	1.00
4. GAS	1.00
5. OIL	1.00
6. FIBER	1.00
7. CABLE TELEVISION	1.00
8. OTHER	1.00

LOCATION SKETCH:

Sketch showing a grid with dimensions: 10' 0" (horizontal), 10' 0" (vertical), and 10' 0" (diagonal). A north arrow is present.

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Approver:

QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 34

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/8/2025
CREW: STAN MIKE ARISON	DEVICE NAME: Jaxsur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 34	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: 0

HOLE DETAILS

SURFACE TYPE: GRASS	SOIL CONDITION: WET, SOFT, DIRT, CLAY	WATER TABLE DEPTH: 0"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 0.5"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 9.1'	B: N/A 39.8'	C: N/A

PAVING THICKNESS: 0.00'	EL. AT GRADE: 46.40'
DEPTH TO TOP OF UTILITY: 3.55'	EL. AT TOP: 42.85'
DEPTH TO BOTTOM OF UTILITY: 3.60'	ELEV AT BOTTOM: 42.80'
# OF VERTICAL CONDUIT/PIPE STACKS: 1.00	
MEASURED O.D. WIDTH (FEET) 0.50'	# OF HORIZONTAL CONDUIT/PIPE STACKS: N/A

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 235573.15
UTILITY DIR: WEST – EAST	EASTING: 2001969.28

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 34

NOTES/COMMENTS:

APPROXIMATE LOCATION





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 34

MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 34

MISCELLANEOUS PHOTOS



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F.P.N.:

TEST HOLE REQUEST #: 34

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 34

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 34

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 34

MISCELLANEOUS PHOTOS

DRMP VACUUM EXCAVATION RECORD VV1434

CAMERA # _____ CREW: 301 2506237 000

PROJECT: Tillman Rd 4 lanes DATE: 7/1/04 DRMP#: 301 2506932 000

CITY/COUNTY: Milledgeville ONE-CALL # _____ F.P.N.# _____

HOLE # _____ UTILITY FOUND: GT DBC 0-5"

VERTICAL INFORMATION:

DEPTH	TYPE OF GUTTER	REMARKS
1.00	1. LOTTERY	1. 10" PIPING (UNPAID)
1.25	2. 10" PIPING (UNPAID)	2. 10" PIPING (UNPAID)
1.50	3. 10" PIPING (UNPAID)	3. 10" PIPING (UNPAID)
1.75	4. 10" PIPING (UNPAID)	4. 10" PIPING (UNPAID)
2.00	5. 10" PIPING (UNPAID)	5. 10" PIPING (UNPAID)
2.25	6. 10" PIPING (UNPAID)	6. 10" PIPING (UNPAID)
2.50	7. 10" PIPING (UNPAID)	7. 10" PIPING (UNPAID)
2.75	8. 10" PIPING (UNPAID)	8. 10" PIPING (UNPAID)
3.00	9. 10" PIPING (UNPAID)	9. 10" PIPING (UNPAID)
3.25	10. 10" PIPING (UNPAID)	10. 10" PIPING (UNPAID)
3.50	11. 10" PIPING (UNPAID)	11. 10" PIPING (UNPAID)
3.75	12. 10" PIPING (UNPAID)	12. 10" PIPING (UNPAID)
4.00	13. 10" PIPING (UNPAID)	13. 10" PIPING (UNPAID)
4.25	14. 10" PIPING (UNPAID)	14. 10" PIPING (UNPAID)
4.50	15. 10" PIPING (UNPAID)	15. 10" PIPING (UNPAID)
4.75	16. 10" PIPING (UNPAID)	16. 10" PIPING (UNPAID)
5.00	17. 10" PIPING (UNPAID)	17. 10" PIPING (UNPAID)
5.25	18. 10" PIPING (UNPAID)	18. 10" PIPING (UNPAID)
5.50	19. 10" PIPING (UNPAID)	19. 10" PIPING (UNPAID)
5.75	20. 10" PIPING (UNPAID)	20. 10" PIPING (UNPAID)
6.00	21. 10" PIPING (UNPAID)	21. 10" PIPING (UNPAID)
6.25	22. 10" PIPING (UNPAID)	22. 10" PIPING (UNPAID)
6.50	23. 10" PIPING (UNPAID)	23. 10" PIPING (UNPAID)
6.75	24. 10" PIPING (UNPAID)	24. 10" PIPING (UNPAID)
7.00	25. 10" PIPING (UNPAID)	25. 10" PIPING (UNPAID)
7.25	26. 10" PIPING (UNPAID)	26. 10" PIPING (UNPAID)
7.50	27. 10" PIPING (UNPAID)	27. 10" PIPING (UNPAID)
7.75	28. 10" PIPING (UNPAID)	28. 10" PIPING (UNPAID)
8.00	29. 10" PIPING (UNPAID)	29. 10" PIPING (UNPAID)
8.25	30. 10" PIPING (UNPAID)	30. 10" PIPING (UNPAID)
8.50	31. 10" PIPING (UNPAID)	31. 10" PIPING (UNPAID)
8.75	32. 10" PIPING (UNPAID)	32. 10" PIPING (UNPAID)
9.00	33. 10" PIPING (UNPAID)	33. 10" PIPING (UNPAID)
9.25	34. 10" PIPING (UNPAID)	34. 10" PIPING (UNPAID)
9.50	35. 10" PIPING (UNPAID)	35. 10" PIPING (UNPAID)
9.75	36. 10" PIPING (UNPAID)	36. 10" PIPING (UNPAID)
10.00	37. 10" PIPING (UNPAID)	37. 10" PIPING (UNPAID)
10.25	38. 10" PIPING (UNPAID)	38. 10" PIPING (UNPAID)
10.50	39. 10" PIPING (UNPAID)	39. 10" PIPING (UNPAID)
10.75	40. 10" PIPING (UNPAID)	40. 10" PIPING (UNPAID)
11.00	41. 10" PIPING (UNPAID)	41. 10" PIPING (UNPAID)
11.25	42. 10" PIPING (UNPAID)	42. 10" PIPING (UNPAID)
11.50	43. 10" PIPING (UNPAID)	43. 10" PIPING (UNPAID)
11.75	44. 10" PIPING (UNPAID)	44. 10" PIPING (UNPAID)
12.00	45. 10" PIPING (UNPAID)	45. 10" PIPING (UNPAID)
12.25	46. 10" PIPING (UNPAID)	46. 10" PIPING (UNPAID)
12.50	47. 10" PIPING (UNPAID)	47. 10" PIPING (UNPAID)
12.75	48. 10" PIPING (UNPAID)	48. 10" PIPING (UNPAID)
13.00	49. 10" PIPING (UNPAID)	49. 10" PIPING (UNPAID)
13.25	50. 10" PIPING (UNPAID)	50. 10" PIPING (UNPAID)
13.50	51. 10" PIPING (UNPAID)	51. 10" PIPING (UNPAID)
13.75	52. 10" PIPING (UNPAID)	52. 10" PIPING (UNPAID)
14.00	53. 10" PIPING (UNPAID)	53. 10" PIPING (UNPAID)
14.25	54. 10" PIPING (UNPAID)	54. 10" PIPING (UNPAID)
14.50	55. 10" PIPING (UNPAID)	55. 10" PIPING (UNPAID)
14.75	56. 10" PIPING (UNPAID)	56. 10" PIPING (UNPAID)
15.00	57. 10" PIPING (UNPAID)	57. 10" PIPING (UNPAID)
15.25	58. 10" PIPING (UNPAID)	58. 10" PIPING (UNPAID)
15.50	59. 10" PIPING (UNPAID)	59. 10" PIPING (UNPAID)
15.75	60. 10" PIPING (UNPAID)	60. 10" PIPING (UNPAID)
16.00	61. 10" PIPING (UNPAID)	61. 10" PIPING (UNPAID)
16.25	62. 10" PIPING (UNPAID)	62. 10" PIPING (UNPAID)
16.50	63. 10" PIPING (UNPAID)	63. 10" PIPING (UNPAID)
16.75	64. 10" PIPING (UNPAID)	64. 10" PIPING (UNPAID)
17.00	65. 10" PIPING (UNPAID)	65. 10" PIPING (UNPAID)
17.25	66. 10" PIPING (UNPAID)	66. 10" PIPING (UNPAID)
17.50	67. 10" PIPING (UNPAID)	67. 10" PIPING (UNPAID)
17.75	68. 10" PIPING (UNPAID)	68. 10" PIPING (UNPAID)
18.00	69. 10" PIPING (UNPAID)	69. 10" PIPING (UNPAID)
18.25	70. 10" PIPING (UNPAID)	70. 10" PIPING (UNPAID)
18.50	71. 10" PIPING (UNPAID)	71. 10" PIPING (UNPAID)
18.75	72. 10" PIPING (UNPAID)	72. 10" PIPING (UNPAID)
19.00	73. 10" PIPING (UNPAID)	73. 10" PIPING (UNPAID)
19.25	74. 10" PIPING (UNPAID)	74. 10" PIPING (UNPAID)
19.50	75. 10" PIPING (UNPAID)	75. 10" PIPING (UNPAID)
19.75	76. 10" PIPING (UNPAID)	76. 10" PIPING (UNPAID)
20.00	77. 10" PIPING (UNPAID)	77. 10" PIPING (UNPAID)
20.25	78. 10" PIPING (UNPAID)	78. 10" PIPING (UNPAID)
20.50	79. 10" PIPING (UNPAID)	79. 10" PIPING (UNPAID)
20.75	80. 10" PIPING (UNPAID)	80. 10" PIPING (UNPAID)
21.00	81. 10" PIPING (UNPAID)	81. 10" PIPING (UNPAID)
21.25	82. 10" PIPING (UNPAID)	82. 10" PIPING (UNPAID)
21.50	83. 10" PIPING (UNPAID)	83. 10" PIPING (UNPAID)
21.75	84. 10" PIPING (UNPAID)	84. 10" PIPING (UNPAID)
22.00	85. 10" PIPING (UNPAID)	85. 10" PIPING (UNPAID)
22.25	86. 10" PIPING (UNPAID)	86. 10" PIPING (UNPAID)
22.50	87. 10" PIPING (UNPAID)	87. 10" PIPING (UNPAID)
22.75	88. 10" PIPING (UNPAID)	88. 10" PIPING (UNPAID)
23.00	89. 10" PIPING (UNPAID)	89. 10" PIPING (UNPAID)
23.25	90. 10" PIPING (UNPAID)	90. 10" PIPING (UNPAID)
23.50	91. 10" PIPING (UNPAID)	91. 10" PIPING (UNPAID)
23.75	92. 10" PIPING (UNPAID)	92. 10" PIPING (UNPAID)
24.00	93. 10" PIPING (UNPAID)	93. 10" PIPING (UNPAID)
24.25	94. 10" PIPING (UNPAID)	94. 10" PIPING (UNPAID)
24.50	95. 10" PIPING (UNPAID)	95. 10" PIPING (UNPAID)
24.75	96. 10" PIPING (UNPAID)	96. 10" PIPING (UNPAID)
25.00	97. 10" PIPING (UNPAID)	97. 10" PIPING (UNPAID)
25.25	98. 10" PIPING (UNPAID)	98. 10" PIPING (UNPAID)
25.50	99. 10" PIPING (UNPAID)	99. 10" PIPING (UNPAID)
25.75	100. 10" PIPING (UNPAID)	100. 10" PIPING (UNPAID)

LOCATION SKETCH:

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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 35

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/11/2025
CREW:	STAN SPENCER JACE MARCUS			DEVICE NAME:	JaxSur3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 35	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Fiber Optic Cable	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	GRASS	SOIL CONDITION:	WET, SOFT, CLAY, DIRT	WATER TABLE DEPTH:	3.5"
UTILITY FOUND:	FIBER OPTIC CABLE			NOMINAL SIZE (INCHES):	0.5"
UAO CONTACT INFO:	N/A		MATERIAL:	DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER:	CENTURY LINK			IDENTIFIED BY:	SIRC 5/8
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT	7.8'	B: EDGE OF PAVEMENT	16.3'	C: N/A 18.5'

PAVING THICKNESS:	0.00'	EL. AT GRADE:	46.53'
DEPTH TO TOP OF UTILITY:	3.00'	EL. AT TOP:	43.53'
DEPTH TO BOTTOM OF UTILITY:	3.05'	ELEV AT BOTTOM:	43.48'
# OF VERTICAL CONDUIT/PIPE STACKS:	1.00		
MEASURED O.D. WIDTH (FEET)	0.50'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1.00

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	235887.42
UTILITY DIR:	WEST – EAST	EASTING:	2002604.78

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 35

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 35

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 35

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 35

MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 35

MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 35

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 35

MISCELLANEOUS PHOTOS

DRMP VACUUM EXCAVATION RECORD

CAMERA # _____ OPEN: 12-1-18

PROJECT: Tillman Rd 4 W/PIES DATE: 12/1/18 DRMP#: 201, 250, 12, 000

SP/CO/CD/ST: Tillman Rd ONE-CALL # _____ F.P.N. # _____

HOLE# 35 UTILITY FOUND: FIC 3-5' BNC

GROUND: UNKNOW. CHANGES: _____ SOIL: _____

VERTICAL INFORMATION:

DEPTH (FEET)	SOIL TYPE	REMARKS
0.0	CLAY	
1.0	CLAY	
2.0	CLAY	
3.0	CLAY	
4.0	CLAY	
5.0	CLAY	
6.0	CLAY	
7.0	CLAY	
8.0	CLAY	
9.0	CLAY	
10.0	CLAY	

TYPE OF UTILITY:

TYPE OF UTILITY	REMARKS
1. GAS	
2. ELECTRIC	
3. WATER	
4. SEWER	
5. TELEPHONE	
6. CABLE	
7. FIBER OPTIC	
8. OTHER	

REMARKS:

CHANGES REQUESTED FROM:

LOCATION SKETCH:

Tillman Rd

North Arrow

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 36

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/11/2025
CREW:	STAN JACE SPENCER MARCUS			DEVICE NAME:	JaxSur3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 36	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Fiber Optic Cable	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	0.5

HOLE DETAILS

SURFACE TYPE:	GRASS	SOIL CONDITION:	SOFT, WET, DIRT	WATER TABLE DEPTH:	0"
UTILITY FOUND:	FIBER OPTIC CABLE			NOMINAL SIZE (INCHES):	0.5"
UAO CONTACT INFO:	N/A		MATERIAL:	DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER:	CENTURY LINK			IDENTIFIED BY:	SIRC 5/8
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT	7.3'	B: EDGE OF PAVEMENT	14.3'	C: N/A

PAVING THICKNESS:	0.00'	EL. AT GRADE:	46.69'
DEPTH TO TOP OF UTILITY:	3.00'	EL. AT TOP:	43.69'
DEPTH TO BOTTOM OF UTILITY:	3.05'	ELEV AT BOTTOM:	43.64'
# OF VERTICAL CONDUIT/PIPE STACKS:	1.00		
MEASURED O.D. WIDTH (FEET)	0.50'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1.00

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	235889.17
UTILITY DIR:	WEST – EAST	EASTING:	2002606.29

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 36

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 36

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 36

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 36

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 36

MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 36

MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 36

MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 36

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 36

MISCELLANEOUS PHOTOS

DRMP VACUUM EXCAVATION RECORD VVM-36

CAMERA # _____ DATE: 10/10/18 DRMP # 36-36-36-36

PROJECT: Tillman Rd ONE-CALL # _____ F.P.N. # _____

UTILITY FOUND: 1. 6" PVC DUC

VERTICAL INFORMATION:

DEPTH TO TOP OF UTILITY	DEPTH TO BOTTOM OF UTILITY	DEPTH TO BOTTOM OF HOLE
1. 1.0'	1.0'	1.0'
2. 2.0'	2.0'	2.0'
3. 3.0'	3.0'	3.0'
4. 4.0'	4.0'	4.0'
5. 5.0'	5.0'	5.0'

TYPE OF UTILITY:

TYPE OF UTILITY	DETECTED BY	DETECTED BY METHOD
1. 6" PVC DUC	1. 6" PVC DUC	1. 6" PVC DUC
2. 12" PVC DUC	2. 12" PVC DUC	2. 12" PVC DUC
3. 18" PVC DUC	3. 18" PVC DUC	3. 18" PVC DUC
4. 24" PVC DUC	4. 24" PVC DUC	4. 24" PVC DUC
5. 30" PVC DUC	5. 30" PVC DUC	5. 30" PVC DUC

LOCATION SKETCH:

TILLMAN RD

1. 6" PVC DUC

2. 12" PVC DUC

3. 18" PVC DUC

4. 24" PVC DUC

5. 30" PVC DUC

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 37

DRMP #: 301.2501037.000	VACUUM UNIT #: N/A	DATE: 12/11/2025
CREW: STAN SPENCER JACE MARCUS	DEVICE NAME: JaxSur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 37	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: GRASS	SOIL CONDITION: WET, SOFT, CLAY, DIRT	WATER TABLE DEPTH: 2.5"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 1"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 22.5'	B: N/A 17'	C: N/A

PAVING THICKNESS: 0.00'	EL. AT GRADE: 45.41'
DEPTH TO TOP OF UTILITY: 2.40'	EL. AT TOP: 43.01'
DEPTH TO BOTTOM OF UTILITY: 2.50'	ELEV AT BOTTOM: 42.91'
# OF VERTICAL CONDUIT/PIPE STACKS: 1.00	
MEASURED O.D. WIDTH (FEET) 1.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1.00

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 235930.89
UTILITY DIR: WEST – EAST	EASTING: 2002566.20

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 37

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 37

MISCELLANEOUS PHOTOS



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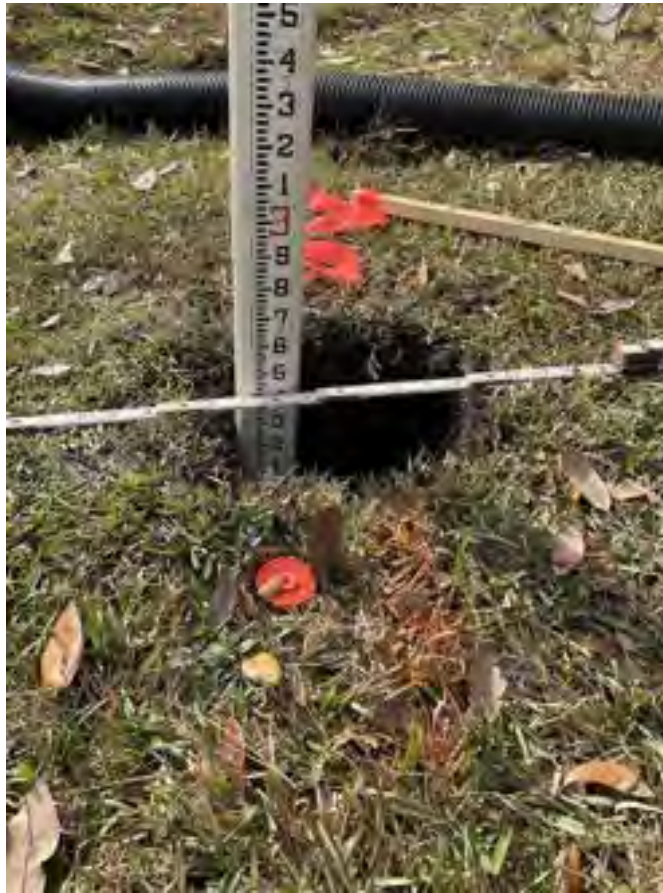
VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 37

MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 37

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 37

MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 37

MISCELLANEOUS PHOTOS

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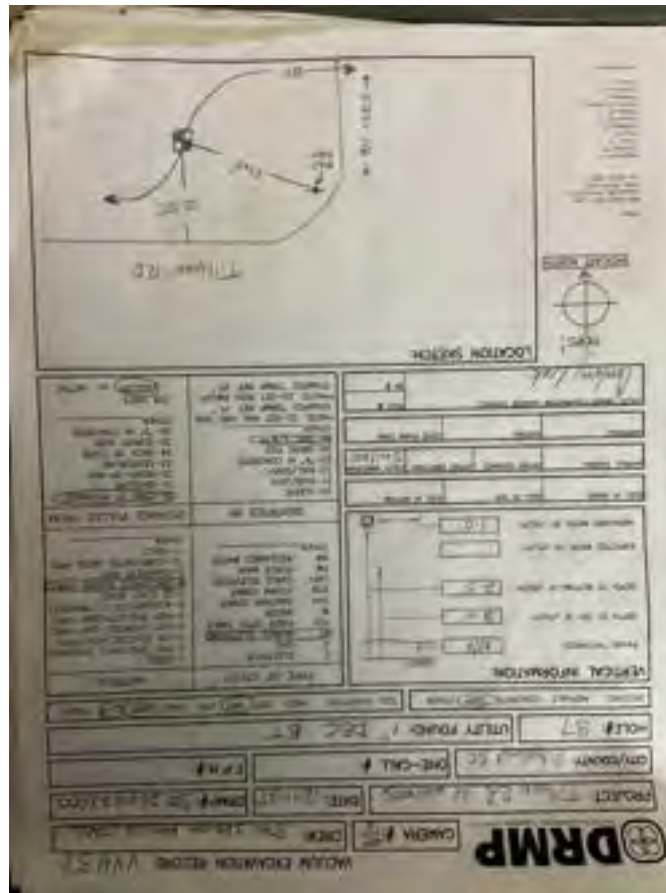
VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 37

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 38

DRMP #: 301.2501037.000	VACUUM UNIT #: CHIPLEY	DATE: 12/11/2025
CREW: STAN	DEVICE NAME: JaxSur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 38	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: GRASS	SOIL CONDITION: WET, SOFT, CLAY, DIRT	WATER TABLE DEPTH: N/A
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 2"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 3.9'	B: N/A 5.1'	C: N/A

PAVING THICKNESS: 0.00'	EL. AT GRADE: 47.09'
DEPTH TO TOP OF UTILITY: 3.55'	EL. AT TOP: 43.54'
DEPTH TO BOTTOM OF UTILITY: 3.75'	ELEV AT BOTTOM: 43.34'
# OF VERTICAL CONDUIT/PIPE STACKS: 1.00	
MEASURED O.D. WIDTH (FEET) 2.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1.00

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 235943.39
UTILITY DIR: WEST – EAST	EASTING: 2002578.95

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 38

NOTES/COMMENTS:

APPROXIMATE LOCATION



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MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

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MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

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MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

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MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

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MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 38

MISCELLANEOUS PHOTOS

[illegible]



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 39

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/11/2025
CREW: STAN MIKE ARISON	DEVICE NAME: JaxSur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 39	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: WET, SOFT, DIRT, CLAY	WATER TABLE DEPTH: N/A
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 0.5"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 1.8'	B: N/A 15.9'	C: N/A

PAVING THICKNESS: 0.00'	EL. AT GRADE: 46.98'
DEPTH TO TOP OF UTILITY: 1.10'	EL. AT TOP: 45.88'
DEPTH TO BOTTOM OF UTILITY: 1.15'	ELEV AT BOTTOM: 45.83'
# OF VERTICAL CONDUIT/PIPE STACKS: 1.00	
MEASURED O.D. WIDTH (FEET) 0.50'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1.00

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 235960.81
UTILITY DIR: WEST – EAST	EASTING: 2002606.95

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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 39

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 39

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 39

MISCELLANEOUS PHOTOS



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TEST HOLE REQUEST #: 39

MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

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TEST HOLE REQUEST #: 39

MISCELLANEOUS PHOTOS

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 40

DRMP #: 301.2501037.000	VACUUM UNIT #: CHIPLEY	DATE: 12/11/2025
CREW: STAN SPENCER JACE MARCUS	DEVICE NAME: JaxSur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 40	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: N/A	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: GRASS	SOIL CONDITION: WET, SOFT, DIRT, CLAY	WATER TABLE DEPTH: 3"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 1"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 6.9'	B: MAN HOLE 12.4'	C: N/A

PAVING THICKNESS: 0'	EL. AT GRADE: 46.49'
DEPTH TO TOP OF UTILITY: 2.2'	EL. AT TOP: 44.29'
DEPTH TO BOTTOM OF UTILITY: 2.3'	ELEV AT BOTTOM: 44.19'
# OF VERTICAL CONDUIT/PIPE STACKS: 1	
MEASURED O.D. WIDTH (FEET) 0.25'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 3

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 235964.55
UTILITY DIR: WEST – EAST	EASTING: 2002610.83

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 40

NOTES/COMMENTS:

APPROXIMATE LOCATION





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 40

PRELIMINARY SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 40

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 40

LEVEL ROD MEASUREMENT PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 40

REPAIRED SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 40

SITE SKETCH

DRMP VACUUM EXCAVATION RECORD

CAMERA # 17 CREW STAN (PLOOR, JAY, BRIDG)

PROJECT: Tillman Rd 4th Avenue DATE: 12-1-20 DRMP# 071 8000 27000

CITY/COUNTY: ALBUQUERQUE ONE-CALL # F.P.N. #

HOUSE: 40 UTILITY FOUND: 1/2" DIA. RT "BLUES"

VERTICAL INFORMATION

DEPTH (FEET)	DESCRIPTION
0.00	GROUND SURFACE
0.50	1/2" DIA. RT "BLUES"
1.00	1/2" DIA. RT "BLUES"
1.50	1/2" DIA. RT "BLUES"
2.00	1/2" DIA. RT "BLUES"
2.50	1/2" DIA. RT "BLUES"
3.00	1/2" DIA. RT "BLUES"
3.50	1/2" DIA. RT "BLUES"
4.00	1/2" DIA. RT "BLUES"
4.50	1/2" DIA. RT "BLUES"
5.00	1/2" DIA. RT "BLUES"
5.50	1/2" DIA. RT "BLUES"
6.00	1/2" DIA. RT "BLUES"
6.50	1/2" DIA. RT "BLUES"
7.00	1/2" DIA. RT "BLUES"
7.50	1/2" DIA. RT "BLUES"
8.00	1/2" DIA. RT "BLUES"
8.50	1/2" DIA. RT "BLUES"
9.00	1/2" DIA. RT "BLUES"
9.50	1/2" DIA. RT "BLUES"
10.00	1/2" DIA. RT "BLUES"

LOCATION SKETCH

Tillman Road

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 40

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/11/2025
CREW: STAN MIKE ARISON	DEVICE NAME: JaxSur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 40A	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: WET, SOFT, CLAY, DIRT	WATER TABLE DEPTH: N/A
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 1"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 5.2'	B: N/A 12.9'	C: N/A

PAVING THICKNESS: 0.00'	EL. AT GRADE: 46.63'
DEPTH TO TOP OF UTILITY: 4.60'	EL. AT TOP: 42.03'
DEPTH TO BOTTOM OF UTILITY: 4.70'	ELEV AT BOTTOM: 41.93'
# OF VERTICAL CONDUIT/PIPE STACKS: 1.00	
MEASURED O.D. WIDTH (FEET) 1.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1.00

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 235963.31
UTILITY DIR: WEST – EAST	EASTING: 2002609.66

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 40

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 40

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 40

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 40

MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 40

MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 40

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 40

MISCELLANEOUS PHOTOS

VACUUM EXCAVATION RECORD

DRMP CAMERA # _____ ORDER # _____ DATE _____ DRMP# 301.2500000000

PROJECT: TILLMAN RD 4 WINGS DATE: 01/15/2019 F.P.N. # _____

CITY/COUNTY: ORANGE ONE-CALL # _____

HOLE# 10A UTILITY FOUND: 01" DBC 1"

TYPE OF STUDY: _____

VERTICAL INFORMATION: _____

TYPE OF STUDY:

1. ELECTRIC	1. S-100
2. GAS	2. S-100 (POLYETHYLENE GLASS)
3. WATER	3. S-100 (POLYETHYLENE GLASS)
4. SANITARY	4. S-100 (POLYETHYLENE GLASS)
5. SEWER	5. S-100 (POLYETHYLENE GLASS)
6. OTHER	6. S-100 (POLYETHYLENE GLASS)
7. OTHER	7. S-100 (POLYETHYLENE GLASS)
8. OTHER	8. S-100 (POLYETHYLENE GLASS)
9. OTHER	9. S-100 (POLYETHYLENE GLASS)
10. OTHER	10. S-100 (POLYETHYLENE GLASS)
11. OTHER	11. S-100 (POLYETHYLENE GLASS)
12. OTHER	12. S-100 (POLYETHYLENE GLASS)
13. OTHER	13. S-100 (POLYETHYLENE GLASS)
14. OTHER	14. S-100 (POLYETHYLENE GLASS)
15. OTHER	15. S-100 (POLYETHYLENE GLASS)
16. OTHER	16. S-100 (POLYETHYLENE GLASS)
17. OTHER	17. S-100 (POLYETHYLENE GLASS)
18. OTHER	18. S-100 (POLYETHYLENE GLASS)
19. OTHER	19. S-100 (POLYETHYLENE GLASS)
20. OTHER	20. S-100 (POLYETHYLENE GLASS)

CONTINUED BY: _____

DISTANCE PULLED FROM: _____

LOCATION SKETCH:

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 41

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/11/2025
CREW:	STAN MIKE ARISON	DEVICE NAME:	JaxSur3		
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 41	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Buried Telephone	RECORDED MATERIAL:	DBC (Direct Buried Cable)	RECORD UTILITY SIZE:	1

HOLE DETAILS

SURFACE TYPE:	DIRT	SOIL CONDITION:	WET, SOFT, DIRT, CLAY	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	BURIED TELEPHONE	NOMINAL SIZE (INCHES):	1"		
UAO CONTACT INFO:	CLINK	MATERIAL:	DBC (DIRECT BURIED CABLE)		
UTILITY AGENCY/OWNER:	CENTURY LINK	IDENTIFIED BY:	SIRC 5/8		
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT 11'	B: DRIVE WAY EDGE 90.8'	C: STORM PIPE MES 15.2'		

PAVING THICKNESS:	0'	EL. AT GRADE:	46.27'
DEPTH TO TOP OF UTILITY:	1.95'	EL. AT TOP:	44.32'
DEPTH TO BOTTOM OF UTILITY:	4.45'	ELEV AT BOTTOM:	41.82'
# OF VERTICAL CONDUIT/PIPE STACKS:	2		
MEASURED O.D. WIDTH (FEET)	1'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	235959.03
UTILITY DIR:	WEST – EAST	EASTING:	2002637.08

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 41

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 41

PRELIMINARY SURFACE PHOTO



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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 41

UTILITY PHOTO



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 41

UTILITY INFORMATION GATHERED



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 41

LEVEL ROD MEASUREMENT PHOTO



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 41

LEVEL ROD MEASUREMENT PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 41

REPAIRED SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 41

SITE SKETCH

The image shows a handwritten site sketch and a DRMP form. The form is titled "DRMP VACUUM EXCAVATION RECORD" and contains various fields for project information, including PROJECT, DATE, DRMP#, and HOLE#. The form also includes a section for "VERTICAL INFORMATION" and a "LOCATION SKETCH" area. The location sketch shows a site plan with a north arrow, a scale bar, and a detailed view of the excavation area. The excavation area is marked with a circle and labeled "TEST HOLE". The form is filled out with handwritten information, including "TILLMAN RD" for the project, "12/12/20" for the date, and "41" for the hole number. The location sketch shows a site plan with a north arrow, a scale bar, and a detailed view of the excavation area. The excavation area is marked with a circle and labeled "TEST HOLE".

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 41

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/11/2025
CREW: STAN MIKE ARISON	DEVICE NAME: JaxSur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 41A	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: WET, SOFT, CLAY, DIRT	WATER TABLE DEPTH: N/A
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 1"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: N/A	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 12.1'	B: N/A 88.9'	C: N/A 13.1'

PAVING THICKNESS: 0'	EL. AT GRADE: 45.97'
DEPTH TO TOP OF UTILITY: 2'	EL. AT TOP: 43.97'
DEPTH TO BOTTOM OF UTILITY: 2.1'	ELEV AT BOTTOM: 43.87'
# OF VERTICAL CONDUIT/PIPE STACKS: 1	
MEASURED O.D. WIDTH (FEET) 0.17'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 2

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 235959.18
UTILITY DIR: WEST – EAST	EASTING: 2002634.85



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 41

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 41

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 41

UTILITY INFORMATION GATHERED



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 41

REPAIRED SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 41

SITE SKETCH

DRMP VACUUM EXCAVATION RECORD

CAMERA # 25 CREW: Carl, Neil, Brian

PROJECT: Tillman Rd Utility DATE: 12-21-21 DRMP#: 331, 21-0117, 000

CITY/COUNTY: St. Johns Co. ONE-CALL # 1-800-4-A-SHIELD F.P.N. #

HOLE# 11A UTILITY FOUND: 12" HDPE

VERTICAL INFORMATION:

DEPTH (ft)	DESCRIPTION
0.0	Surface
1.0	12" HDPE
1.5	12" HDPE
2.0	12" HDPE
2.5	12" HDPE
3.0	12" HDPE
3.5	12" HDPE
4.0	12" HDPE
4.5	12" HDPE
5.0	12" HDPE
5.5	12" HDPE
6.0	12" HDPE
6.5	12" HDPE
7.0	12" HDPE
7.5	12" HDPE
8.0	12" HDPE
8.5	12" HDPE
9.0	12" HDPE
9.5	12" HDPE
10.0	12" HDPE
10.5	12" HDPE
11.0	12" HDPE
11.5	12" HDPE
12.0	12" HDPE

TYPE OF UTILITY: 12" HDPE

MAINTENANCE: 12" HDPE

DESIGNED BY: DRMP

DATE: 12-21-21

LOCATION SKETCH:

The location sketch shows a rectangular excavation area. A north arrow is in the top left. Dimensions are given as 10' x 10'. The excavation is labeled '11A' and '12" HDPE'. The surrounding area is labeled 'Tillman Rd'.

DRMP

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Approver:

QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 42

DRMP #: 301.2501037.000	VACUUM UNIT #: 210	DATE: 12/14/2025
CREW: SPENCER, MARCUS, JACE, OSMANY	DEVICE NAME: Jax surv3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 42	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Fiber Optic Cable	RECORDED MATERIAL: PE (Polyethylene Pipe)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: SOFT, WET, DRY, SAND, DIRT	WATER TABLE DEPTH: N/A
UTILITY FOUND: FIBER OPTIC CABLE	NOMINAL SIZE (INCHES): 1.5"	
UAO CONTACT INFO: N/A	MATERIAL: PE (POLYETHYLENE PIPE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 6.6'	B: N/A 15'	C: PCULV 20.7'

PAVING THICKNESS: 0.00'	EL. AT GRADE: 46.77'
DEPTH TO TOP OF UTILITY: 4.20'	EL. AT TOP: 42.57'
DEPTH TO BOTTOM OF UTILITY: 4.35'	ELEV AT BOTTOM: 42.42'
# OF VERTICAL CONDUIT/PIPE STACKS: 1.00	
MEASURED O.D. WIDTH (FEET) N/A	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1.00

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 236023.40
UTILITY DIR: WEST – EAST	EASTING: 2002838.26

DRMP

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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 42

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 42

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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MISCELLANEOUS PHOTOS



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MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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PROJECT: TILLMAN RD

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 42

MISCELLANEOUS PHOTOS

DRMP VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD DATE: 10/15/14 CITY/COUNTY: DRMP ONE-CALL #: 1000000000 F.P.N. #: 1000000000

HOLE #: 1000000000 UTILITY FOUND: 1000000000

VERTICAL INFORMATION:

DEPTH (FEET)	TYPE OF UTILITY	MATERIAL
0.0	1. FURNACE	1. SOIL
1.0	2. FURNACE	2. SOIL
2.0	3. FURNACE	3. SOIL
3.0	4. FURNACE	4. SOIL
4.0	5. FURNACE	5. SOIL
5.0	6. FURNACE	6. SOIL
6.0	7. FURNACE	7. SOIL
7.0	8. FURNACE	8. SOIL
8.0	9. FURNACE	9. SOIL
9.0	10. FURNACE	10. SOIL
10.0	11. FURNACE	11. SOIL
11.0	12. FURNACE	12. SOIL
12.0	13. FURNACE	13. SOIL
13.0	14. FURNACE	14. SOIL
14.0	15. FURNACE	15. SOIL
15.0	16. FURNACE	16. SOIL
16.0	17. FURNACE	17. SOIL
17.0	18. FURNACE	18. SOIL
18.0	19. FURNACE	19. SOIL
19.0	20. FURNACE	20. SOIL
20.0	21. FURNACE	21. SOIL
21.0	22. FURNACE	22. SOIL
22.0	23. FURNACE	23. SOIL
23.0	24. FURNACE	24. SOIL
24.0	25. FURNACE	25. SOIL
25.0	26. FURNACE	26. SOIL
26.0	27. FURNACE	27. SOIL
27.0	28. FURNACE	28. SOIL
28.0	29. FURNACE	29. SOIL
29.0	30. FURNACE	30. SOIL
30.0	31. FURNACE	31. SOIL
31.0	32. FURNACE	32. SOIL
32.0	33. FURNACE	33. SOIL
33.0	34. FURNACE	34. SOIL
34.0	35. FURNACE	35. SOIL
35.0	36. FURNACE	36. SOIL
36.0	37. FURNACE	37. SOIL
37.0	38. FURNACE	38. SOIL
38.0	39. FURNACE	39. SOIL
39.0	40. FURNACE	40. SOIL
40.0	41. FURNACE	41. SOIL
41.0	42. FURNACE	42. SOIL
42.0	43. FURNACE	43. SOIL
43.0	44. FURNACE	44. SOIL
44.0	45. FURNACE	45. SOIL
45.0	46. FURNACE	46. SOIL
46.0	47. FURNACE	47. SOIL
47.0	48. FURNACE	48. SOIL
48.0	49. FURNACE	49. SOIL
49.0	50. FURNACE	50. SOIL
50.0	51. FURNACE	51. SOIL
51.0	52. FURNACE	52. SOIL
52.0	53. FURNACE	53. SOIL
53.0	54. FURNACE	54. SOIL
54.0	55. FURNACE	55. SOIL
55.0	56. FURNACE	56. SOIL
56.0	57. FURNACE	57. SOIL
57.0	58. FURNACE	58. SOIL
58.0	59. FURNACE	59. SOIL
59.0	60. FURNACE	60. SOIL
60.0	61. FURNACE	61. SOIL
61.0	62. FURNACE	62. SOIL
62.0	63. FURNACE	63. SOIL
63.0	64. FURNACE	64. SOIL
64.0	65. FURNACE	65. SOIL
65.0	66. FURNACE	66. SOIL
66.0	67. FURNACE	67. SOIL
67.0	68. FURNACE	68. SOIL
68.0	69. FURNACE	69. SOIL
69.0	70. FURNACE	70. SOIL
70.0	71. FURNACE	71. SOIL
71.0	72. FURNACE	72. SOIL
72.0	73. FURNACE	73. SOIL
73.0	74. FURNACE	74. SOIL
74.0	75. FURNACE	75. SOIL
75.0	76. FURNACE	76. SOIL
76.0	77. FURNACE	77. SOIL
77.0	78. FURNACE	78. SOIL
78.0	79. FURNACE	79. SOIL
79.0	80. FURNACE	80. SOIL
80.0	81. FURNACE	81. SOIL
81.0	82. FURNACE	82. SOIL
82.0	83. FURNACE	83. SOIL
83.0	84. FURNACE	84. SOIL
84.0	85. FURNACE	85. SOIL
85.0	86. FURNACE	86. SOIL
86.0	87. FURNACE	87. SOIL
87.0	88. FURNACE	88. SOIL
88.0	89. FURNACE	89. SOIL
89.0	90. FURNACE	90. SOIL
90.0	91. FURNACE	91. SOIL
91.0	92. FURNACE	92. SOIL
92.0	93. FURNACE	93. SOIL
93.0	94. FURNACE	94. SOIL
94.0	95. FURNACE	95. SOIL
95.0	96. FURNACE	96. SOIL
96.0	97. FURNACE	97. SOIL
97.0	98. FURNACE	98. SOIL
98.0	99. FURNACE	99. SOIL
99.0	100. FURNACE	100. SOIL

LOCATION SKETCH:

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 43

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/12/2025
CREW:	STAN ARISON	DEVICE NAME:	Jaxsur3		
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 43	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	N/A	RECORDED MATERIAL:	DBC (Direct Buried Cable)	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	N/A	SOIL CONDITION:	WET, SOFT, CLAY, DIRT	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	CABLE TELEVISION	NOMINAL SIZE (INCHES):	0.5"		
UAO CONTACT INFO:	N/A	MATERIAL:	DBC (DIRECT BURIED CABLE)		
UTILITY AGENCY/OWNER:	COMCAST	IDENTIFIED BY:	SIRC 5/8		
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT 13.2'	B: N/A 7.3'	C: N/A		

PAVING THICKNESS:	0.00'	EL. AT GRADE:	46.09'
DEPTH TO TOP OF UTILITY:	2.85'	EL. AT TOP:	43.24'
DEPTH TO BOTTOM OF UTILITY:	2.90'	ELEV AT BOTTOM:	43.19'
# OF VERTICAL CONDUIT/PIPE STACKS:	N/A		
MEASURED O.D. WIDTH (FEET)	0.50'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	N/A

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236137.33
UTILITY DIR:	WEST – EAST	EASTING:	2002943.36

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 43

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 43

MISCELLANEOUS PHOTOS



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MISCELLANEOUS PHOTOS



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TEST HOLE REQUEST #: 43

MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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MISCELLANEOUS PHOTOS



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TEST HOLE REQUEST #: 43

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VACUUM EXCAVATION RECORD

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 43

MISCELLANEOUS PHOTOS

PROJECT: TILLMAN RD

F.P.N.:

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MISCELLANEOUS PHOTOS

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 43

MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 43

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VACUUM EXCAVATION RECORD

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 43

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/12/2025
CREW:	STAN ARISON	DEVICE NAME:	Jax Sur3		
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 43A	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Buried Telephone	RECORDED MATERIAL:	DBC (Direct Buried Cable)	RECORD UTILITY SIZE:	1

HOLE DETAILS

SURFACE TYPE:	N/A	SOIL CONDITION:	WET, SOFT, DIRT, CLAY	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	BURIED TELEPHONE	NOMINAL SIZE (INCHES):	1"		
UAO CONTACT INFO:	N/A	MATERIAL:	DBC (DIRECT BURIED CABLE)		
UTILITY AGENCY/OWNER:	CENTURY LINK	IDENTIFIED BY:	N/A		
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT 12.8'	B: N/A 9.6'	C: N/A		

PAVING THICKNESS:	0.00'	EL. AT GRADE:	45.92'
DEPTH TO TOP OF UTILITY:	2.90'	EL. AT TOP:	43.02'
DEPTH TO BOTTOM OF UTILITY:	3.00'	ELEV AT BOTTOM:	42.92'
# OF VERTICAL CONDUIT/PIPE STACKS:	N/A		
MEASURED O.D. WIDTH (FEET)	1.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	N/A

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236135.85
UTILITY DIR:	WEST – EAST	EASTING:	2002941.64

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 43

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 43

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VACUUM EXCAVATION RECORD

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 43

MISCELLANEOUS PHOTOS





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MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 43

MISCELLANEOUS PHOTOS

[illegible]



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 43

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/12/2025
CREW: STAN ARISON	DEVICE NAME: Jax Sur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 43B	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: 1

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: WET, SOFT, DIRT, CLAY	WATER TABLE DEPTH: N/A
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 1"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: N/A 9.6'	B: EDGE OF PAVEMENT 12.8'	C: N/A

PAVING THICKNESS: 0.00'	EL. AT GRADE: 46.10'
DEPTH TO TOP OF UTILITY: 2.90'	EL. AT TOP: 43.20'
DEPTH TO BOTTOM OF UTILITY: 3.00'	ELEV AT BOTTOM: 43.10'
# OF VERTICAL CONDUIT/PIPE STACKS: N/A	
MEASURED O.D. WIDTH (FEET) 1.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS: N/A

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 236136.34
UTILITY DIR: WEST – EAST	EASTING: 2002942.53

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 43

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

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MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 43

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 43

MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 43

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 43

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 43

MISCELLANEOUS PHOTOS

DRMP VACUUM EXCAVATION RECORD *VVH 13A*

ENGINEER # *10* CREW *10* DATE *12/1/14* DRMP # *201400000000*

PROJECT: *TILLMAN RD* ONE-CALL # *1* F.P.N. # *1*

TEST HOLE REQUEST #: *43*

STUTY FOUND: *1.5' OF DBC*

VERTICAL INFORMATION

TYPE OF UTILITY

LOCATION SKETCH

TILLMAN RD

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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 43

MISCELLANEOUS PHOTOS

DRMP VACUUM EXCAVATION RECORD 4/11/13

CAMERA # _____ DATE: 11-11-13 DRMP# 2012500077.00

PROJECT: TILLMAN RD DATE: 11-11-13

CITY: TALLAHASSEE FL ONE-CALL # _____ F.P.N. # _____

HOLE # 1003 UTILITY FOUND: 1/2" DIA. DUC

VERTICAL INFORMATION

TYPE OF UTILITY	WATER
1. ELECTRIC	1. WATER
2. GAS	2. SEWER
3. OIL	3. RAIN
4. CABLE	4. OTHER
5. FIBER	
6. OTHER	

LOCATION SKETCH

Tillman Rd

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 44

DRMP #: 301.2501037.000	VACUUM UNIT #: 210	DATE: 12/12/2025
CREW: STAN SPENCER JACE MARCUS	DEVICE NAME: Jax Sur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 44	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: WET, SOFT, CLAY, DIRT	WATER TABLE DEPTH: N/A
UTILITY FOUND: CABLE TELEVISION	NOMINAL SIZE (INCHES): 0.5"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: COMCAST	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 11.5'	B: N/A 9'	C: N/A

PAVING THICKNESS: 0'	EL. AT GRADE: 46.09'
DEPTH TO TOP OF UTILITY: 2.3'	EL. AT TOP: 43.79'
DEPTH TO BOTTOM OF UTILITY: 2.35'	ELEV AT BOTTOM: 43.74'
# OF VERTICAL CONDUIT/PIPE STACKS: 1	
MEASURED O.D. WIDTH (FEET) 0.04'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 236212.52
UTILITY DIR: WEST – EAST	EASTING: 2003076.39

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 44

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 44

PRELIMINARY SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 44

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 44

UTILITY INFORMATION GATHERED



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 44

LEVEL ROD MEASUREMENT PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 44

SITE SKETCH

DRMP VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD DATE: 11/11/2015

CITY/COUNTY: TALLAHASSEE ONE-CALL # F.P.N. #

HOLE # 44 UTILITY FOUND: CATV 0.5" DUCT

VERTICAL INFORMATION

ITEM	DEPTH (FEET)
Surface	0.0
Top of CATV DUCT	1.55
Bottom of CATV DUCT	11.55

TYPE OF UTILITY

ITEM	DEPTH (FEET)
CATV DUCT	1.55

LOCATION SKETCH

Handwritten sketch showing the location of the test hole. The hole is labeled 'Hole #44' and has a depth of '11.55'. The sketch is titled 'TILLMAN RD'.

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 44

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/12/2025
CREW: STAN ARISON	DEVICE NAME: Jaxsur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 44A	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: N/A	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: WET, SOFT, DIRT, CLAY	WATER TABLE DEPTH: N/A
UTILITY FOUND: CABLE TELEVISION	NOMINAL SIZE (INCHES): 1"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: COMCAST	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 13.2'	B: N/A 7.3'	C: N/A

PAVING THICKNESS: 0'	EL. AT GRADE: 46.01'
DEPTH TO TOP OF UTILITY: 2.55'	EL. AT TOP: 43.46'
DEPTH TO BOTTOM OF UTILITY: 2.75'	ELEV AT BOTTOM: 43.26'
# OF VERTICAL CONDUIT/PIPE STACKS: 2	
MEASURED O.D. WIDTH (FEET) 0.5'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 2

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 236214.83
UTILITY DIR: WEST – EAST	EASTING: 2003082.82

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 44

NOTES/COMMENTS:

APPROXIMATE LOCATION



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TEST HOLE REQUEST #: 44

UTILITY PHOTO



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TEST HOLE REQUEST #: 44

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 44

LEVEL ROD MEASUREMENT PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 44

REPAIRED SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 44

SITE SKETCH

The image shows a handwritten site sketch and a DRMP form. The sketch is titled 'LOCATION SKETCH' and shows a road layout with a north arrow. A road is labeled 'TILLMAN RD' and a hole is marked with a crosshair and labeled 'HOLE # 44'. The sketch also shows a '10.40' measurement and a '10.40' measurement. The DRMP form is titled 'VACUUM EXCAVATION RECORD' and contains fields for PROJECT, DATE, CITY/COUNTY, ONE-CALL #, F.P.N., HOLE #, UTILITY FOUND, and a table for TYPE OF UTILITY and MATERIAL. The form also includes a section for 'LOCATION SKETCH' and a '10.40' measurement.

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 45

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/11/2025
CREW: STAN SPENCER JACE MARCUS	DEVICE NAME: JaxSue3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 45	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: DBC (Direct Buried Cable)	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: DIRT	SOIL CONDITION: WET, SOFT, DIRT, CLAY	WATER TABLE DEPTH: 0"
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 2"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: N/A 95'	B: EDGE OF PAVEMENT 4.8'	C: N/A

PAVING THICKNESS: 0.00'	EL. AT GRADE: 48.20'
DEPTH TO TOP OF UTILITY: 2.55'	EL. AT TOP: 45.65'
DEPTH TO BOTTOM OF UTILITY: 2.75'	ELEV AT BOTTOM: 45.45'
# OF VERTICAL CONDUIT/PIPE STACKS: 1.00	
MEASURED O.D. WIDTH (FEET): 2.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1.00

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 236349.56
UTILITY DIR: WEST – EAST	EASTING: 2003369.75

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 45

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 45

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 45

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 45

MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 45

MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 45

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 45

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 45

MISCELLANEOUS PHOTOS

DRMP VACUUM EXCAVATION RECORD *WHS*

CAMERA # _____ CREW: *STAN SPANGLER, E. HALL, J. HALL*

PROJECT: *TILLMAN RD* DATE: *12-1-22* DRMP# *301-250437-02*

UN/COUNTY: *FL/Polk Co* ONE-CALL # _____ TYP# _____

HOLE# *45* UTILITY FOUND: *3" D.C. BT*

VERTICAL INFORMATION

TYPE OF SOIL: _____

DEPTH OF SOIL: _____

TYPE OF UTILITY: _____

DEPTH OF UTILITY: _____

LOCATION SKETCH

TILLMAN RD

3" D.C. BT

WHS

12-1-22

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 46

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/11/2025
CREW:	STAN MIKE ARISON	DEVICE NAME:	JaxSue3		
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 46	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Reclaimed Water	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	N/A	SOIL CONDITION:	WET, SOFT, DIRT	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	WATER	NOMINAL SIZE (INCHES):	1"		
UAO CONTACT INFO:	N/A	MATERIAL:	PE (POLYETHYLENE PIPE)		
UTILITY AGENCY/OWNER:	TOWN OF RIDGELAND	IDENTIFIED BY:	SIRC 5/8		
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT	9.5'	B: N/A	13.5'	C: N/A

PAVING THICKNESS:	0.00'	EL. AT GRADE:	50.93'
DEPTH TO TOP OF UTILITY:	3.15'	EL. AT TOP:	47.78'
DEPTH TO BOTTOM OF UTILITY:	3.25'	ELEV AT BOTTOM:	47.68'
# OF VERTICAL CONDUIT/PIPE STACKS:	1.00		
MEASURED O.D. WIDTH (FEET)	1.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1.00

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236402.95
UTILITY DIR:	WEST – EAST	EASTING:	2003554.23

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 46

NOTES/COMMENTS:

APPROXIMATE LOCATION





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 46

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 46

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 46

MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

F.P.N.:

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MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 47

DRMP #:	301.2501037.000	VACUUM UNIT #:	210	DATE:	12/14/2025
CREW:	SPENCER, MARCUS, JACE, ARISON, OSMANY			DEVICE NAME:	Jax suv3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 47	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Fiber Optic Cable	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:		DIRT		SOIL CONDITION:		SOFT, SAND, DIRT		WATER TABLE DEPTH:		N/A															
UTILITY FOUND:						BURIED TELEPHONE						NOMINAL SIZE (INCHES):		2"											
UAO CONTACT INFO:				N/A				MATERIAL:		DBC (DIRECT BURIED CABLE)															
UTILITY AGENCY/OWNER:						CENTURY LINK						IDENTIFIED BY:		N/A											
DISTANCE PULLED FROM:		A: EDGE OF PAVEMENT				12.7'				B: N/A				5.3'				C: FENCE POST				9.7'			

PAVING THICKNESS:	0'	EL. AT GRADE:	51.77'
DEPTH TO TOP OF UTILITY:	3.15'	EL. AT TOP:	48.62'
DEPTH TO BOTTOM OF UTILITY:	3.39'	ELEV AT BOTTOM:	48.38'
# OF VERTICAL CONDUIT/PIPE STACKS:	0		
MEASURED O.D. WIDTH (FEET)	0.5'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	2

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236412.13
UTILITY DIR:	WEST – EAST	EASTING:	2003605.54

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 47

NOTES/COMMENTS:

APPROXIMATE LOCATION





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 47

PRELIMINARY SURFACE PHOTO





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 47

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 47

UTILITY INFORMATION GATHERED



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VACUUM EXCAVATION RECORD

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F.P.N.:

TEST HOLE REQUEST #: 47

UTILITY INFORMATION GATHERED



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F.P.N.:

TEST HOLE REQUEST #: 47

LEVEL ROD MEASUREMENT PHOTO



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 47

SITE SKETCH

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 48

DRMP #:	301.2501037.000	VACUUM UNIT #:	210	DATE:	12/14/2025
CREW:	SPENCE STAN ARISON MARCUS MANNY JACE			DEVICE NAME:	Jax Sur3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 48	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	N/A	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	N/A	SOIL CONDITION:	SOFT, DRY, SAND, DIRT	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	BURIED TELEPHONE			NOMINAL SIZE (INCHES):	1.5"
UAO CONTACT INFO:	N/A	MATERIAL:	STEEL		
UTILITY AGENCY/OWNER:	CENTURY LINK			IDENTIFIED BY:	SIRC 5/8
DISTANCE PULLED FROM:	A: N/A	B: N/A	C: N/A		

PAVING THICKNESS:	0.00'	EL. AT GRADE:	53.98'
DEPTH TO TOP OF UTILITY:	1.60'	EL. AT TOP:	52.38'
DEPTH TO BOTTOM OF UTILITY:	1.75'	ELEV AT BOTTOM:	52.23'
# OF VERTICAL CONDUIT/PIPE STACKS:	1.00		
MEASURED O.D. WIDTH (FEET)	1.50'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1.00

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236416.65
UTILITY DIR:	WEST – EAST	EASTING:	2003693.31

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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 48

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 48

PRELIMINARY SURFACE PHOTO



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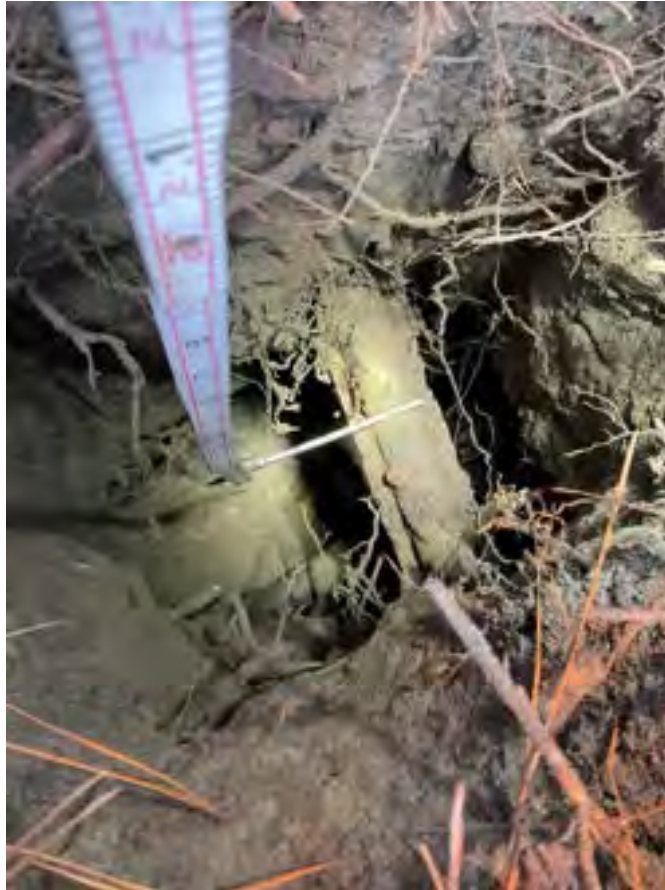
VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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UTILITY INFORMATION GATHERED



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 48

LEVEL ROD MEASUREMENT PHOTO





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 48

REPAIRED SURFACE PHOTO



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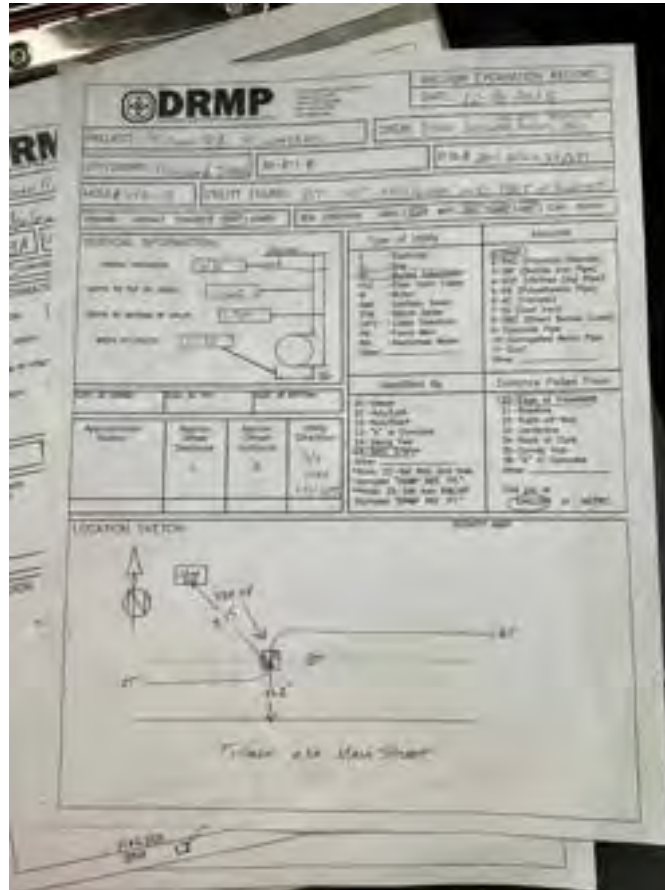
VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 48

SITE SKETCH



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 49

DRMP #: 301.2501037.000	VACUUM UNIT #: 210	DATE: 12/14/2025
CREW: STAN SPENCER ARISON MANNY MARCUS JACE	DEVICE NAME: JaxSur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 49	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: N/A	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: GRASS	SOIL CONDITION: SOFT, DRY, SAND, DIRT	WATER TABLE DEPTH: N/A
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 2"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: N/A 6.5'	B: EDGE OF PAVEMENT 11.8'	C: N/A

PAVING THICKNESS: 0'	EL. AT GRADE: 53.96'
DEPTH TO TOP OF UTILITY: 2.7'	EL. AT TOP: 51.26'
DEPTH TO BOTTOM OF UTILITY: 2.87'	ELEV AT BOTTOM: 51.09'
# OF VERTICAL CONDUIT/PIPE STACKS: 1	
MEASURED O.D. WIDTH (FEET) 0.17'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 236417.27
UTILITY DIR: WEST – EAST	EASTING: 2003692.07

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 49

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 49

PRELIMINARY SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 49

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 49

UTILITY INFORMATION GATHERED



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 49

LEVEL ROD MEASUREMENT PHOTO



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 49

REPAIRED SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 49

SITE SKETCH

[illegible]



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 50

DRMP #:	301.2501037.000	VACUUM UNIT #:	N/A	DATE:	12/7/2025
CREW:	N/A	DEVICE NAME:	N/A		
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 50	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Water	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	DIRT	SOIL CONDITION:	WET, SOFT, CLAY, ROCKY	WATER TABLE DEPTH:	3.9"
UTILITY FOUND:	WATER	NOMINAL SIZE (INCHES):	6"		
UAO CONTACT INFO:	N/A	MATERIAL:	PVC (POLYVINYL CHLORIDE)		
UTILITY AGENCY/OWNER:	TOWN OF RIDGELAND	IDENTIFIED BY:	SIRC 5/8		
DISTANCE PULLED FROM:	A: N/A 55.8'	B: EDGE OF PAVEMENT	4.8'	C: N/A	6.1'

PAVING THICKNESS:	0'	EL. AT GRADE:	55.84'
DEPTH TO TOP OF UTILITY:	3.7'	EL. AT TOP:	52.14'
DEPTH TO BOTTOM OF UTILITY:	4.28'	ELEV AT BOTTOM:	51.56'
# OF VERTICAL CONDUIT/PIPE STACKS:	1		
MEASURED O.D. WIDTH (FEET)	0.58'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236374.25
UTILITY DIR:	WEST – EAST	EASTING:	2003790.53

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 50

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 50

PRELIMINARY SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 50

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 50

UTILITY INFORMATION GATHERED



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 50

LEVEL ROD MEASUREMENT PHOTO



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QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 50

REPAIRED SURFACE PHOTO



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 50

SITE SKETCH

DRMP

VULCAN INVESTIGATION RECORD 50

PROJECT: TILLMAN RD. 4.8 MILES DATE: 10-17-78 DRMP #: 301-250037000
 INVESTIGATOR: STANLEY, DC TIME: CALL # PERM #:
 HOUSE # 00 TRAILER FOUND: 6" PVC (GAS) UNDER @ DIST. 100' FROM
 (CROSS STREET) (CROSS STREET) (CROSS STREET) (CROSS STREET) (CROSS STREET) (CROSS STREET)

AERIAL INFORMATION

AIRCRAFT: 4/16
 AIRCRAFT TYPE: 4/16
 AIRCRAFT MAKE: 4/16
 AIRCRAFT MODEL: 4/16
 AIRCRAFT REG. NO.: 4/16
 AIRCRAFT OWNER: 4/16

AIRCRAFT TYPE: 4/16
 AIRCRAFT MAKE: 4/16
 AIRCRAFT MODEL: 4/16
 AIRCRAFT REG. NO.: 4/16
 AIRCRAFT OWNER: 4/16

TYPE OF SUBJECT

1. 4/16
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AIRCRAFT

1. 4/16
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LOCATION SKETCH

F-4U 103 MILES
 @ 300 MILES

ON: 4/16
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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 51

DRMP #: 301.2501037.000		VACUUM UNIT #: 210		DATE: 12/14/2025	
CREW: STAN SPENCER ARISON			DEVICE NAME: JaxSur3		
CITY/COUNTY: RIDGELAND JASPER		ONE-CALL #: N/A		JOB UNITS: U.S. Foot	
REPORT NAME: TH 51		EXPLORATORY HOLE #: N/A		STRUCTURE NAME & #: N/A	
REQUESTED UTILITY: Buried Telephone		RECORDED MATERIAL: N/A		RECORD UTILITY SIZE: N/A	

HOLE DETAILS

SURFACE TYPE:	DIRT	SOIL CONDITION:	SOFT, SAND, CLAY	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	BURIED TELEPHONE			NOMINAL SIZE (INCHES):	2"
UAO CONTACT INFO:	N/A		MATERIAL:	DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER:	CENTURY LINK			IDENTIFIED BY:	SIRC 5/8
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT	9'	B: N/A	25.9'	C: N/A

PAVING THICKNESS:	0'	EL. AT GRADE:	58.9'
DEPTH TO TOP OF UTILITY:	4.65'	EL. AT TOP:	54.25'
DEPTH TO BOTTOM OF UTILITY:	4.85'	ELEV AT BOTTOM:	54.05'
# OF VERTICAL CONDUIT/PIPE STACKS:	1		
MEASURED O.D. WIDTH (FEET)	0.17'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236407.19
UTILITY DIR:	WEST – EAST	EASTING:	2003877.15

DRMP

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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 51

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 51

PRELIMINARY SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 51

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 51

LEVEL ROD MEASUREMENT PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 51

SITE SKETCH

DRMP VACUUM EXCAVATION RECORD
DATE: 12-11-2018

PROJECT: Tillman Rd V. EXCAVATION
CITY/COUNTY: Orlando/FL
HOLE # 51
UTILITY FOUND: 2" - 3" - 4" - 6" - 8" - 10" - 12" - 14" - 16" - 18" - 20" - 22" - 24" - 26" - 28" - 30" - 32" - 34" - 36" - 38" - 40" - 42" - 44" - 46" - 48" - 50" - 52" - 54" - 56" - 58" - 60" - 62" - 64" - 66" - 68" - 70" - 72" - 74" - 76" - 78" - 80" - 82" - 84" - 86" - 88" - 90" - 92" - 94" - 96" - 98" - 100"

VERTICAL INFORMATION

Depth (ft)	Utility	Notes
0.0	Surface	
0.5	Grass	
1.0	Grass	
1.5	Grass	
2.0	Grass	
2.5	Grass	
3.0	Grass	
3.5	Grass	
4.0	Grass	
4.5	Grass	
5.0	Grass	
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47.0	Grass	
47.5	Grass	
48.0	Grass	
48.5	Grass	
49.0	Grass	
49.5	Grass	
50.0	Grass	

LOCATION SKETCH

Tillman Rd aka Main Street

DRMP

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Approver:
QA/QC Final Approver:

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 51

MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 52

DRMP #:	301.2501037.000	VACUUM UNIT #:	210	DATE:	12/14/2025
CREW:	STAN SPENCER ARISON MANNY MARCUS JACE			DEVICE NAME:	JaxSur3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 52	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Water	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	DIRT	SOIL CONDITION:	SOFT, SAND	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	WATER			NOMINAL SIZE (INCHES):	6"
UAO CONTACT INFO:	N/A			MATERIAL:	PVC (POLYVINYL CHLORIDE)
UTILITY AGENCY/OWNER:	TOWN OF RIDGELAND			IDENTIFIED BY:	SIRC 5/8
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT	1'	B: MAIL BOX	32.8'	C: N/A

PAVING THICKNESS:	0'	EL. AT GRADE:	59.82'
DEPTH TO TOP OF UTILITY:	3.5'	EL. AT TOP:	56.32'
DEPTH TO BOTTOM OF UTILITY:	4.08'	ELEV AT BOTTOM:	55.74'
# OF VERTICAL CONDUIT/PIPE STACKS:	1		
MEASURED O.D. WIDTH (FEET)	0.58'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236398.33
UTILITY DIR:	WEST – EAST	EASTING:	2003882.77

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Approver:
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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 52

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 52

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 52

MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 52

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 52

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 52

MISCELLANEOUS PHOTOS

DRMP VACUUM EXCAVATION RECORD
DATE: 1-16-20

PROJECT: Tillman Rd
TEST HOLE REQUEST #: 52

UTILITY: WATER, GAS, FIBER, ETC.

VERTICAL INFORMATION

Soil Test Results

Location Sketch

← Tillman Rd 100' N. of Station →

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 52

DRMP #:	301.2501037.000	VACUUM UNIT #:	210	DATE:	12/16/2025
CREW:	STAN SPENCER ARISON JACE MARCUS MANNY			DEVICE NAME:	JaxSur3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 52A	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Water	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	DIRT	SOIL CONDITION:	SOFT, CLAY, DIRT, SAND	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	WATER			NOMINAL SIZE (INCHES):	2"
UAO CONTACT INFO:	N/A			MATERIAL:	STEEL
UTILITY AGENCY/OWNER:	TOWN OF RIDGELAND			IDENTIFIED BY:	SIRC 5/8
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT	3.7'	B: N/A	33.1'	C: N/A

PAVING THICKNESS:	0'	EL. AT GRADE:	59.69'
DEPTH TO TOP OF UTILITY:	2.15'	EL. AT TOP:	57.54'
DEPTH TO BOTTOM OF UTILITY:	2.35'	ELEV AT BOTTOM:	57.34'
# OF VERTICAL CONDUIT/PIPE STACKS:	1		
MEASURED O.D. WIDTH (FEET)	0.17'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236401.01
UTILITY DIR:	WEST – EAST	EASTING:	2003883.03

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 52

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 52

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 52

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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 52

MISCELLANEOUS PHOTOS



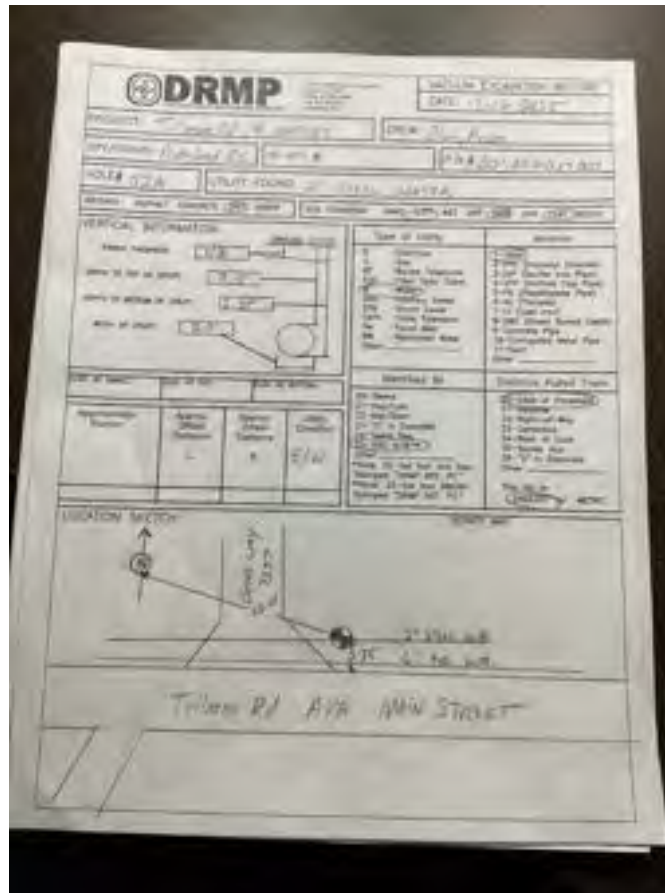
VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 52

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 53

DRMP #: 301.2501037.000	VACUUM UNIT #: 210	DATE: 12/14/2025
CREW: STAN SPENCER ARISON MARCUS JACE MANNY	DEVICE NAME: Jaxsur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 53	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: N/A	RECORDED MATERIAL: N/A	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: GRASS	SOIL CONDITION: SOFT, SAND, CLAY	WATER TABLE DEPTH: N/A
UTILITY FOUND: FIBER OPTIC CABLE	NOMINAL SIZE (INCHES): 2"	
UAO CONTACT INFO: N/A	MATERIAL: PE (POLYETHYLENE PIPE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: N/A 30.2'	B: EDGE OF PAVEMENT 2'	C: N/A

PAVING THICKNESS: 0.00'	EL. AT GRADE: 62.26'
DEPTH TO TOP OF UTILITY: 2.83'	EL. AT TOP: 59.43'
DEPTH TO BOTTOM OF UTILITY: 3.03'	ELEV AT BOTTOM: 59.23'
# OF VERTICAL CONDUIT/PIPE STACKS: 1.00	
MEASURED O.D. WIDTH (FEET) 2.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1.00

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 236382.13
UTILITY DIR: WEST – EAST	EASTING: 2003990.13

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 53

NOTES/COMMENTS:

APPROXIMATE LOCATION



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 53

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F.P.N.:

TEST HOLE REQUEST #: 53

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F.P.N.:

TEST HOLE REQUEST #: 53

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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 53

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 53

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 54

DRMP #:	301.2501037.000	VACUUM UNIT #:	210	DATE:	12/14/2025
CREW:	SPENCER, MARCUS, JACE, OSMANY, ARISON			DEVICE NAME:	Jax surv 3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 54	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Fiber Optic Cable	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	DIRT	SOIL CONDITION:	SOFT, DRY, SAND, DIRT	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	FIBER OPTIC CABLE			NOMINAL SIZE (INCHES):	2"
UAO CONTACT INFO:	N/A		MATERIAL:	PE (POLYETHYLENE PIPE)	
UTILITY AGENCY/OWNER:	CENTURY LINK			IDENTIFIED BY:	HUB/LATH
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT	2.4'	B: N/A	18'	C: SIDEWALK 14.0'

PAVING THICKNESS:	0.00'	EL. AT GRADE:	60.63'
DEPTH TO TOP OF UTILITY:	2.43'	EL. AT TOP:	58.20'
DEPTH TO BOTTOM OF UTILITY:	2.63'	ELEV AT BOTTOM:	58.00'
# OF VERTICAL CONDUIT/PIPE STACKS:	1.00		
MEASURED O.D. WIDTH (FEET)	2.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1.00

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236352.58
UTILITY DIR:	WEST – EAST	EASTING:	2003979.53

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 54

NOTES/COMMENTS:

APPROXIMATE LOCATION



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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 54

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TEST HOLE REQUEST #: 54

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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 54

MISCELLANEOUS PHOTOS



PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 54

MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 54

MISCELLANEOUS PHOTOS





TEST HOLE REQUEST #: 54



TEST HOLE REQUEST #: 54





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 55

DRMP #: 301.2501037.000	VACUUM UNIT #: 210	DATE: 12/14/2025
CREW: STAN SPENCER MARCUS JACE MANNY ARISON	DEVICE NAME: JaxSur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 55	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Water	RECORDED MATERIAL: N/A	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: ASPHALT	SOIL CONDITION: SOFT, SAND	WATER TABLE DEPTH: N/A
UTILITY FOUND: WATER	NOMINAL SIZE (INCHES): 2"	
UAO CONTACT INFO: N/A	MATERIAL: PVC (POLYVINYL CHLORIDE)	
UTILITY AGENCY/OWNER: TOWN OF RIDGELAND	IDENTIFIED BY: NAIL/DISK	
DISTANCE PULLED FROM: A: N/A 21.7'	B: N/A 3.8'	C: N/A

PAVING THICKNESS: 2.5'	EL. AT GRADE: 63.23'
DEPTH TO TOP OF UTILITY: 2.84'	EL. AT TOP: 60.39'
DEPTH TO BOTTOM OF UTILITY: 3.24'	ELEV AT BOTTOM: 59.99'
# OF VERTICAL CONDUIT/PIPE STACKS: 1	
MEASURED O.D. WIDTH (FEET) 0.4'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 236365.52
UTILITY DIR: WEST – EAST	EASTING: 2004050.45

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 55

NOTES/COMMENTS:

APPROXIMATE LOCATION



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 55

MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 55

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TEST HOLE REQUEST #: 55

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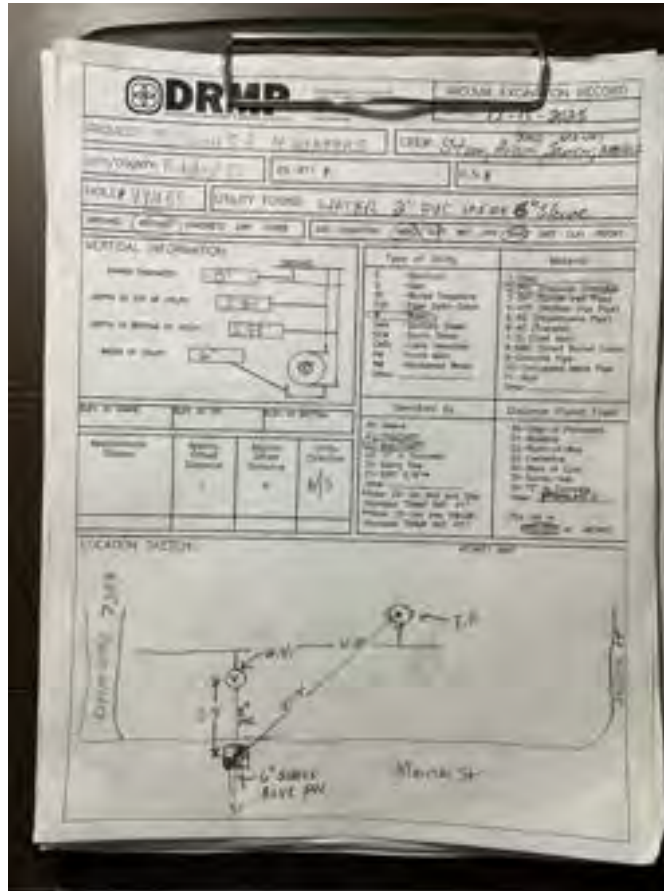
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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 55

MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 55

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 56

DRMP #:	301.2501037.000	VACUUM UNIT #:	120	DATE:	12/14/2025
CREW:	SPENCER, MARCUS, JACE, OSMANY, ARISON			DEVICE NAME:	Jax surv 3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 56	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Water	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	DIRT	SOIL CONDITION:	SOFT	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	WATER		NOMINAL SIZE (INCHES):	2"	
UAO CONTACT INFO:	N/A		MATERIAL:	PVC (POLYVINYL CHLORIDE)	
UTILITY AGENCY/OWNER:	TOWN OF RIDGELAND		IDENTIFIED BY:	SIRC 5/8	
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT	3.1'	B: N/A	18.6'	C: STOP SIGN 14'

PAVING THICKNESS:	0'	EL. AT GRADE:	62.12'
DEPTH TO TOP OF UTILITY:	3.71'	EL. AT TOP:	58.41'
DEPTH TO BOTTOM OF UTILITY:	3.92'	ELEV AT BOTTOM:	58.20'
# OF VERTICAL CONDUIT/PIPE STACKS:	1		
MEASURED O.D. WIDTH (FEET)	0.21'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236336.89
UTILITY DIR:	WEST – EAST	EASTING:	2004041.37

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 56

NOTES/COMMENTS:

A repair was made here. Coupling found.

APPROXIMATE LOCATION



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 56

UTILITY PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 56

LEVEL ROD MEASUREMENT PHOTO



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TEST HOLE REQUEST #: 56

REPAIRED SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 56

SITE SKETCH

DRMP VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD DATE: 11/14/14

CITY/COUNTY: ALBUQUERQUE ONE-CALL # F.P.N. #

HOLE # 56274 UTILITY FOUND 12" x 12" x 12"

HORIZONTAL INFORMATION

DATE: 11/14/14 TIME: 10:00 AM

LOCATION: 12" x 12" x 12"

TIME OF UTILITY

12" x 12" x 12"

MATERIAL

12" x 12" x 12"

LOCATION SKETCH

12" x 12" x 12"

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 57

DRMP #: 301.2501037.000		VACUUM UNIT #: 210		DATE: 12/14/2025	
CREW: STAN SPENCER ARISON JACE MARCUS MANNY				DEVICE NAME: JaxSur3	
CITY/COUNTY: RIDGELAND JASPER		ONE-CALL #: N/A		JOB UNITS: U.S. Foot	
REPORT NAME: TH 57		EXPLORATORY HOLE #: N/A		STRUCTURE NAME & #: N/A	
REQUESTED UTILITY: Buried Telephone		RECORDED MATERIAL: N/A		RECORD UTILITY SIZE: N/A	

HOLE DETAILS

SURFACE TYPE:	DIRT	SOIL CONDITION:	SOFT, SAND	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	BURIED TELEPHONE			NOMINAL SIZE (INCHES):	1"
UAO CONTACT INFO:	N/A		MATERIAL:	DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER:	CENTURY LINK			IDENTIFIED BY:	SIRC 5/8
DISTANCE PULLED FROM:	A: N/A	15'	B: N/A	5.2'	C: EDGE OF PAVEMENT 1.5'

PAVING THICKNESS:	N/A	EL. AT GRADE:	63.48'
DEPTH TO TOP OF UTILITY:	2.6'	EL. AT TOP:	60.88'
DEPTH TO BOTTOM OF UTILITY:	2.68'	ELEV AT BOTTOM:	60.80'
# OF VERTICAL CONDUIT/PIPE STACKS:	1		
MEASURED O.D. WIDTH (FEET)	0.08'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236368.89
UTILITY DIR:	WEST – EAST	EASTING:	2004056.44

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 57

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 57

UTILITY PHOTO



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Approver:
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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 57

REPAIRED SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 57

SITE SKETCH

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Approver:

QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 58

DRMP #: 301.2501037.000	VACUUM UNIT #: 210	DATE: 12/14/2025
CREW: STAN, JACE, ARISON, SPENCER, MANNY, MARCUS	DEVICE NAME: JaxSur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 58	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: N/A	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: N/A	SOIL CONDITION: SOFT, SAND	WATER TABLE DEPTH: N/A
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 2"	
UAO CONTACT INFO: N/A	MATERIAL: DBC (DIRECT BURIED CABLE)	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: N/A 14.2'	B: EDGE OF PAVEMENT 1.5'	C: N/A 6.1'

PAVING THICKNESS: N/A	EL. AT GRADE: 63.54'
DEPTH TO TOP OF UTILITY: 3.54'	EL. AT TOP: 60.00'
DEPTH TO BOTTOM OF UTILITY: 3.94'	ELEV AT BOTTOM: 59.60'
# OF VERTICAL CONDUIT/PIPE STACKS: 1	
MEASURED O.D. WIDTH (FEET) 0.4'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 236368.80
UTILITY DIR: WEST – EAST	EASTING: 2004057.29

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 58

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 58

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 58

MISCELLANEOUS PHOTOS



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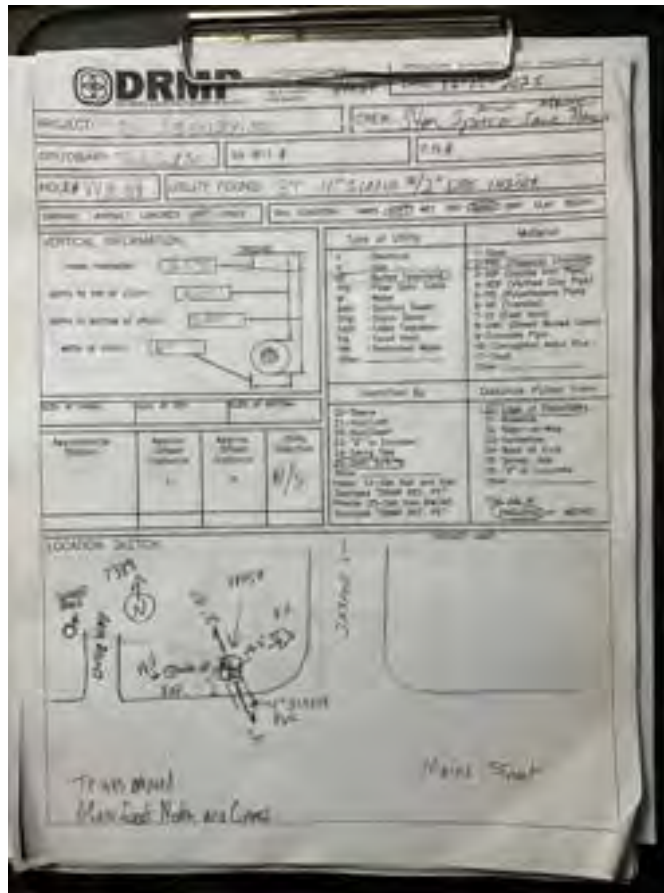
VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 58

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 59

DRMP #: 301.2501037.000	VACUUM UNIT #: 210	DATE: 12/14/2025
CREW: SPENCER JACE MANNY MARCUS ARISON STAN	DEVICE NAME: Jaxsur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 59	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Buried Telephone	RECORDED MATERIAL: N/A	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: ASPHALT	SOIL CONDITION: SOFT, WET, SAND, CLAY	WATER TABLE DEPTH: N/A
UTILITY FOUND: BURIED TELEPHONE	NOMINAL SIZE (INCHES): 5"	
UAO CONTACT INFO: N/A	MATERIAL: DUCT	
UTILITY AGENCY/OWNER: CENTURY LINK	IDENTIFIED BY: NAIL/DISK	
DISTANCE PULLED FROM: A: BACK OF CURB 12.6'	B: N/A 18'	C: N/A 47.4'

PAVING THICKNESS: 2'	EL. AT GRADE: 64.25'
DEPTH TO TOP OF UTILITY: 4.55'	EL. AT TOP: 59.70'
DEPTH TO BOTTOM OF UTILITY: 6.3'	ELEV AT BOTTOM: 57.95'
# OF VERTICAL CONDUIT/PIPE STACKS: 4	
MEASURED O.D. WIDTH (FEET) 5'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 2

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 236222.42
UTILITY DIR: WEST – EAST	EASTING: 2004431.03

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 59

NOTES/COMMENTS:

APPROXIMATE LOCATION





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 59

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 59

MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 59

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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 59

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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 59

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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 59

MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 59

MISCELLANEOUS PHOTOS



PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 59

MISCELLANEOUS PHOTOS

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 59

MISCELLANEOUS PHOTOS



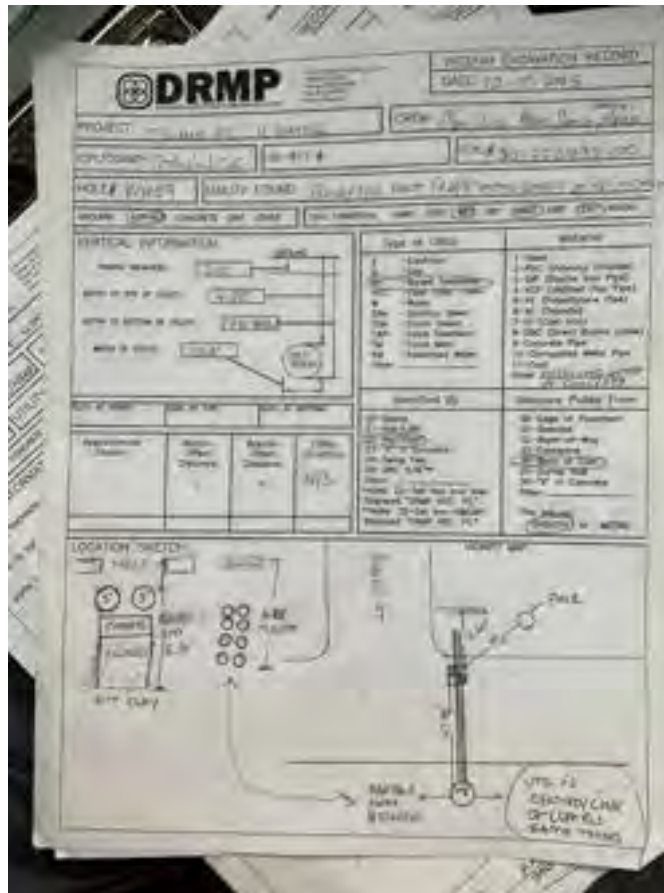
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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 59

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 60

DRMP #:	301.2501037.000	VACUUM UNIT #:	210	DATE:	12/14/2025
CREW:	SPENCER JACE, MARCUS, MANNY, ARISON			DEVICE NAME:	jaxSur3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 60	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Water	RECORDED MATERIAL:	CI (Cast Iron)	RECORD UTILITY SIZE:	10

HOLE DETAILS

SURFACE TYPE:		ASPHALT		SOIL CONDITION:		SOFT, SAND		WATER TABLE DEPTH:		N/A															
UTILITY FOUND:						WATER						NOMINAL SIZE (INCHES):		8"											
UAO CONTACT INFO:				N/A				MATERIAL:		CI (CAST IRON)															
UTILITY AGENCY/OWNER:						TOWN OF RIDGELAND						IDENTIFIED BY:		NAIL/DISK											
DISTANCE PULLED FROM:		A: N/A				43.7'				B: N/A				17.7'				C: N/A				9'			

PAVING THICKNESS:	N/A	EL. AT GRADE:	63.74'
DEPTH TO TOP OF UTILITY:	2.06'	EL. AT TOP:	61.68'
DEPTH TO BOTTOM OF UTILITY:	2.81'	ELEV AT BOTTOM:	60.93'
# OF VERTICAL CONDUIT/PIPE STACKS:	1		
MEASURED O.D. WIDTH (FEET)	0.75'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236094.63
UTILITY DIR:	WEST – EAST	EASTING:	2004748.12

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 60

NOTES/COMMENTS:

APPROXIMATE LOCATION



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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 60

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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 60

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 61

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/12/2025
CREW:	STAN ARISON	DEVICE NAME:	JaxSue3		
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 61	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Water	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	ASPHALT	SOIL CONDITION:	SAND	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	WATER	NOMINAL SIZE (INCHES):	2"		
UAO CONTACT INFO:	N/A	MATERIAL:	STEEL		
UTILITY AGENCY/OWNER:	TOWN OF RIDGELAND	IDENTIFIED BY:	N/A		
DISTANCE PULLED FROM:	A: N/A	B: N/A	C: N/A		

PAVING THICKNESS:	2.5'	EL. AT GRADE:	65.28'
DEPTH TO TOP OF UTILITY:	2.03'	EL. AT TOP:	63.25'
DEPTH TO BOTTOM OF UTILITY:	2.23'	ELEV AT BOTTOM:	63.05'
# OF VERTICAL CONDUIT/PIPE STACKS:	1		
MEASURED O.D. WIDTH (FEET)	0.2'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236329.20
UTILITY DIR:	SOUTH – NORTH	EASTING:	2004834.70



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 61

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 61

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 61

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PROJECT: TILLMAN RD

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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 61

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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 61

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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 61

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 62

DRMP #:	301.2501037.000	VACUUM UNIT #:	210	DATE:	12/2/2025
CREW:	STAN SPENCER JACE MARCUS			DEVICE NAME:	N/A
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 62	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Water	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	ASPHALT	SOIL CONDITION:	SOFT, SAND	WATER TABLE DEPTH:	0"
UTILITY FOUND:	WATER			NOMINAL SIZE (INCHES):	2"
UAO CONTACT INFO:	N/A		MATERIAL:	STEEL	
UTILITY AGENCY/OWNER:	TOWN OF RIDGELAND			IDENTIFIED BY:	NAIL/DISK
DISTANCE PULLED FROM:	A: N/A	B: N/A		C: N/A	

PAVING THICKNESS:	N/A	EL. AT GRADE:	65.85'
DEPTH TO TOP OF UTILITY:	2.05'	EL. AT TOP:	63.80'
DEPTH TO BOTTOM OF UTILITY:	2.25'	ELEV AT BOTTOM:	63.60'
# OF VERTICAL CONDUIT/PIPE STACKS:	N/A		
MEASURED O.D. WIDTH (FEET)	0.2'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	N/A

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236562.48
UTILITY DIR:	WEST – EAST	EASTING:	2004931.57

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 62

NOTES/COMMENTS:

APPROXIMATE LOCATION



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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 62

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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 62

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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 62

MISCELLANEOUS PHOTOS

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 62

MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 62

MISCELLANEOUS PHOTOS

DRMP VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD DATE: 10/10/2019 CREW: [blank] F.P.N.: [blank]

UTILITY FOUND: [blank]

VERTICAL INFORMATION

TYPE OF UTILITY	MATERIAL
1. ELECTRIC	1. 2" PVC PIPE
2. GAS	2. 4" SCH 40 STEEL PIPE
3. SANITARY	3. 4" SCH 40 STEEL PIPE
4. SANITARY	4. 4" SCH 40 STEEL PIPE
5. SANITARY	5. 4" SCH 40 STEEL PIPE
6. SANITARY	6. 4" SCH 40 STEEL PIPE
7. SANITARY	7. 4" SCH 40 STEEL PIPE
8. SANITARY	8. 4" SCH 40 STEEL PIPE
9. SANITARY	9. 4" SCH 40 STEEL PIPE
10. SANITARY	10. 4" SCH 40 STEEL PIPE
11. SANITARY	11. 4" SCH 40 STEEL PIPE
12. SANITARY	12. 4" SCH 40 STEEL PIPE
13. SANITARY	13. 4" SCH 40 STEEL PIPE
14. SANITARY	14. 4" SCH 40 STEEL PIPE
15. SANITARY	15. 4" SCH 40 STEEL PIPE
16. SANITARY	16. 4" SCH 40 STEEL PIPE
17. SANITARY	17. 4" SCH 40 STEEL PIPE
18. SANITARY	18. 4" SCH 40 STEEL PIPE
19. SANITARY	19. 4" SCH 40 STEEL PIPE
20. SANITARY	20. 4" SCH 40 STEEL PIPE

LOCATION SKETCH

Hand-drawn diagram showing the location of the excavation hole relative to the road and other utilities.

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 63

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/2/2025
CREW: STAN, MIKE, ARISON	DEVICE NAME: This unit	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 63	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Water	RECORDED MATERIAL: N/A	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: ASPHALT	SOIL CONDITION: SOFT, SAND	WATER TABLE DEPTH: 0"
UTILITY FOUND: WATER	NOMINAL SIZE (INCHES): 6"	
UAO CONTACT INFO: N/A	MATERIAL: CI (CAST IRON)	
UTILITY AGENCY/OWNER: TOWN OF RIDGELAND	IDENTIFIED BY: NAIL/DISK	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 5.5'	B: N/A 14.1'	C: N/A 24.9'

PAVING THICKNESS: 3'	EL. AT GRADE: 65.87'
DEPTH TO TOP OF UTILITY: 2.21'	EL. AT TOP: 63.66'
DEPTH TO BOTTOM OF UTILITY: 2.79'	ELEV AT BOTTOM: 63.08'
# OF VERTICAL CONDUIT/PIPE STACKS: 1	
MEASURED O.D. WIDTH (FEET) 0.58'	# OF HORIZONTAL CONDUIT/PIPE STACKS: N/A

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 236585.01
UTILITY DIR: SOUTH – NORTH	EASTING: 2004930.84



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 63

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 63

MISCELLANEOUS PHOTOS



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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 63

MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 63

MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 63

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 63

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 64

DRMP #: 301.2501037.000	VACUUM UNIT #: N/A	DATE: 12/17/2025
CREW: STAN SPENCER JACE MARCUS	DEVICE NAME: JaxSur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 64	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Gravity Sanitary Sewer	RECORDED MATERIAL: N/A	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: ASPHALT	SOIL CONDITION: N/A	WATER TABLE DEPTH: N/A
UTILITY FOUND: GRAVITY SANITARY SEWER	NOMINAL SIZE (INCHES): 8"	
UAO CONTACT INFO: N/A	MATERIAL: VCP VITRIFIED CLAY PIPE)	
UTILITY AGENCY/OWNER: TOWN OF RIDGELAND	IDENTIFIED BY: N/A	
DISTANCE PULLED FROM: A: N/A	B: N/A	C: N/A

PAVING THICKNESS: N/A	EL. AT GRADE: N/A
DEPTH TO TOP OF UTILITY: N/A	EL. AT TOP: N/A
DEPTH TO BOTTOM OF UTILITY: N/A	ELEV AT BOTTOM: N/A
# OF VERTICAL CONDUIT/PIPE STACKS: N/A	
MEASURED O.D. WIDTH (FEET) N/A	# OF HORIZONTAL CONDUIT/PIPE STACKS: N/A

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: N/A
UTILITY DIR: SOUTH – NORTH	EASTING: N/A

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 64

NOTES/COMMENTS:

APPROXIMATE LOCATION



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PROJECT: TILLMAN RD

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 64

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 64

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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 64

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PROJECT: TILLMAN RD

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 64

MISCELLANEOUS PHOTOS



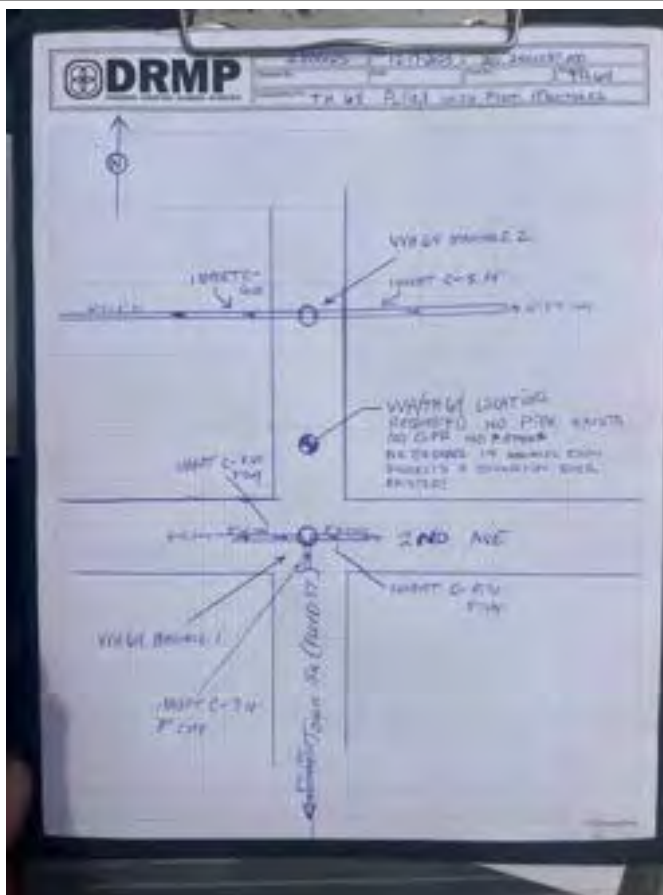
VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 64

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 64

DRMP #:	301.2501037.000	VACUUM UNIT #:	210	DATE:	12/18/2025
CREW:	STAN SPENCER JACE, ARISON MARCUS MANNY			DEVICE NAME:	Jax Sur 3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 64A	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Water	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	ASPHALT	SOIL CONDITION:	SOFT, SAND, DRY	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	WATER			NOMINAL SIZE (INCHES):	6"
UAO CONTACT INFO:	N/A			MATERIAL:	CI (CAST IRON)
UTILITY AGENCY/OWNER:	TOWN OF RIDGELAND			IDENTIFIED BY:	NAIL/DISK
DISTANCE PULLED FROM:	A: N/A	11.8'	B: N/A	17.4'	C: EDGE OF PAVEMENT 2.6'

PAVING THICKNESS:	2'	EL. AT GRADE:	65.91'
DEPTH TO TOP OF UTILITY:	2.35'	EL. AT TOP:	63.56'
DEPTH TO BOTTOM OF UTILITY:	2.93'	ELEV AT BOTTOM:	62.98'
# OF VERTICAL CONDUIT/PIPE STACKS:	1		
MEASURED O.D. WIDTH (FEET)	0.58'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236573.30
UTILITY DIR:	SOUTH – NORTH	EASTING:	2004906.29

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 64

NOTES/COMMENTS:

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 64

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TEST HOLE REQUEST #: 64

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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 64

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 64

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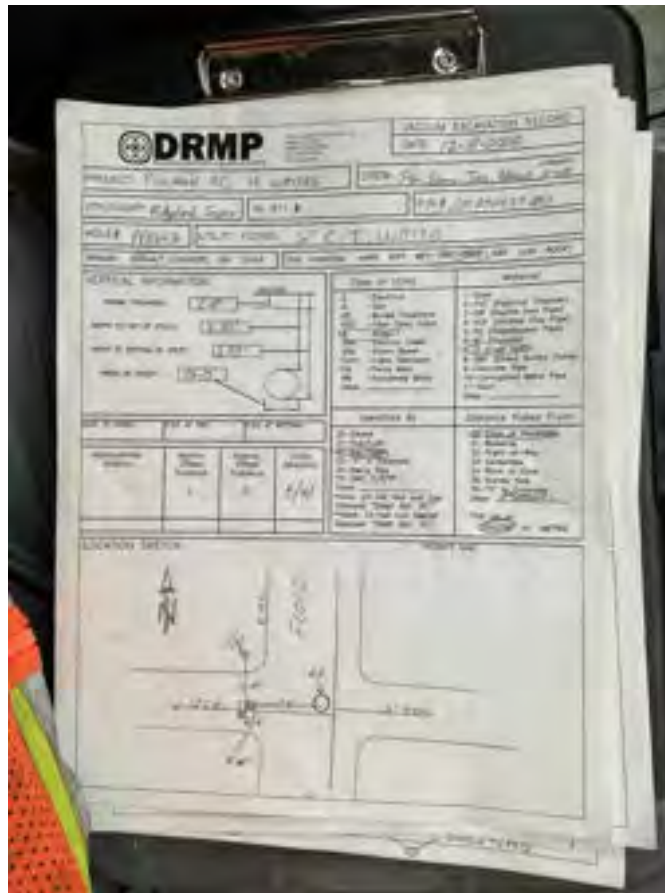
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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 64

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 65

DRMP #:	301.2501037.000	VACUUM UNIT #:	210	DATE:	12/12/2025
CREW:	SPENCER JACE MARCUS STAN			DEVICE NAME:	Jaxsur3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 65	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Water	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	ASPHALT	SOIL CONDITION:	SAND, SOFT	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	WATER			NOMINAL SIZE (INCHES):	12"
UAO CONTACT INFO:	N/A	MATERIAL:	CI (CAST IRON)		
UTILITY AGENCY/OWNER:	TOWN OF RIDGELAND			IDENTIFIED BY:	NAIL/DISK
DISTANCE PULLED FROM:	A: N/A	B: N/A	C: N/A		

PAVING THICKNESS:	3'	EL. AT GRADE:	65.21'
DEPTH TO TOP OF UTILITY:	4.24'	EL. AT TOP:	60.97'
DEPTH TO BOTTOM OF UTILITY:	5.32'	ELEV AT BOTTOM:	59.89'
# OF VERTICAL CONDUIT/PIPE STACKS:	N/A		
MEASURED O.D. WIDTH (FEET)	1.08'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	N/A

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236806.46
UTILITY DIR:	SOUTH – NORTH	EASTING:	2005003.59

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 65

NOTES/COMMENTS:

APPROXIMATE LOCATION





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 65

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 65

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 65

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 65

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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 65

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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 65

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 65

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 65

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 65

MISCELLANEOUS PHOTOS

DRMP VACUUM EXCAVATION RECORD VVH65

CAMERA # _____ ORDER # _____
DATE: 12/1/15 DRMP#: 301425/2017.000
COUNTY: 11/1/15 ONE-CALL # _____ F.P.N. # _____
65 UTILITY FOUND: 12 C.T. 1/1/15

TECHNICAL INFORMATION: _____
TYPE OF TEST: _____
INTERNAL: _____
LOCATED BY: _____
DISTANCE PULLED FROM: _____
LOCATION SKETCH: _____

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 66

DRMP #: 301.2501037.000	VACUUM UNIT #: 210	DATE: 12/15/2025
CREW: STAN, SPENCER, ARISON, MANNY, MARCUS, JACE	DEVICE NAME: JaxSur3	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 66	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: Water	RECORDED MATERIAL: N/A	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: ASPHALT	SOIL CONDITION: SOFT, SAND	WATER TABLE DEPTH: N/A
UTILITY FOUND: WATER	NOMINAL SIZE (INCHES): 6"	
UAO CONTACT INFO: N/A	MATERIAL: CI (CAST IRON)	
UTILITY AGENCY/OWNER: TOWN OF RIDGELAND	IDENTIFIED BY: NAIL/DISK	
DISTANCE PULLED FROM: A: N/A 15.6'	B: N/A 24.4'	C: N/A 36.5'

PAVING THICKNESS: 6'	EL. AT GRADE: 63.52'
DEPTH TO TOP OF UTILITY: 2.5'	EL. AT TOP: 61.02'
DEPTH TO BOTTOM OF UTILITY: 3.08'	ELEV AT BOTTOM: 60.44'
# OF VERTICAL CONDUIT/PIPE STACKS: 1	
MEASURED O.D. WIDTH (FEET) 0.58'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: 235964.78
UTILITY DIR: WEST – EAST	EASTING: 2004958.54

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 66

NOTES/COMMENTS:

APPROXIMATE LOCATION



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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 66

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TEST HOLE REQUEST #: 66

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TEST HOLE REQUEST #: 66

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F.P.N.:

TEST HOLE REQUEST #: 66

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MISCELLANEOUS PHOTOS



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TEST HOLE REQUEST #: 66

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 67

DRMP #:	301.2501037.000	VACUUM UNIT #:	210	DATE:	12/14/2025
CREW:	SPENCER JACE MARCUS MANY ARISON STAN			DEVICE NAME:	JaxSur3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 67	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	N/A	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:		ASPHALT		SOIL CONDITION:		SAND, SOFT		WATER TABLE DEPTH:		N/A															
UTILITY FOUND:						WATER						NOMINAL SIZE (INCHES):		8"											
UAO CONTACT INFO:				N/A				MATERIAL:		CI (CAST IRON)															
UTILITY AGENCY/OWNER:						TOWN OF RIDGELAND						IDENTIFIED BY:		NAIL/DISK											
DISTANCE PULLED FROM:		A: N/A				17.2'				B: N/A				13'				C: N/A				37.1'			

PAVING THICKNESS:	4'	EL. AT GRADE:	62.47'
DEPTH TO TOP OF UTILITY:	1.94'	EL. AT TOP:	60.53'
DEPTH TO BOTTOM OF UTILITY:	2.66'	ELEV AT BOTTOM:	59.81'
# OF VERTICAL CONDUIT/PIPE STACKS:	N/A		
MEASURED O.D. WIDTH (FEET)	0.72'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	N/A

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	235954.98
UTILITY DIR:	WEST – EAST	EASTING:	2005089.20

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 67

NOTES/COMMENTS:

APPROXIMATE LOCATION



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MISCELLANEOUS PHOTOS



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MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 67

MISCELLANEOUS PHOTOS

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 67

MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 67

MISCELLANEOUS PHOTOS



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TEST HOLE REQUEST #: 67

MISCELLANEOUS PHOTOS



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Approver:

QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 68

DRMP #:	301.2501037.000	VACUUM UNIT #:	120	DATE:	12/14/2025
CREW:	SPENCER, MARCUS, JACE, OSMANY			DEVICE NAME:	Jax surv3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 68	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Water	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	ASPHALT	SOIL CONDITION:	SOFT, WET, SAND, DIRT, CLAY	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	WATER			NOMINAL SIZE (INCHES):	1"
UAO CONTACT INFO:	N/A			MATERIAL:	STEEL
UTILITY AGENCY/OWNER:	TOWN OF RIDGELAND			IDENTIFIED BY:	NAIL/DISK
DISTANCE PULLED FROM:	A: N/A	61'	B: N/A	26.7'	C: POWER POLE 64.1'

PAVING THICKNESS:	1.00'	EL. AT GRADE:	63.13'
DEPTH TO TOP OF UTILITY:	1.83'	EL. AT TOP:	61.30'
DEPTH TO BOTTOM OF UTILITY:	1.93'	ELEV AT BOTTOM:	61.20'
# OF VERTICAL CONDUIT/PIPE STACKS:	1.00		
MEASURED O.D. WIDTH (FEET)	1.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1.00

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236023.69
UTILITY DIR:	SOUTH – NORTH	EASTING:	2005128.54

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 68

NOTES/COMMENTS:

APPROXIMATE LOCATION



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PRELIMINARY SURFACE PHOTO



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UTILITY PHOTO



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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 68

UTILITY INFORMATION GATHERED



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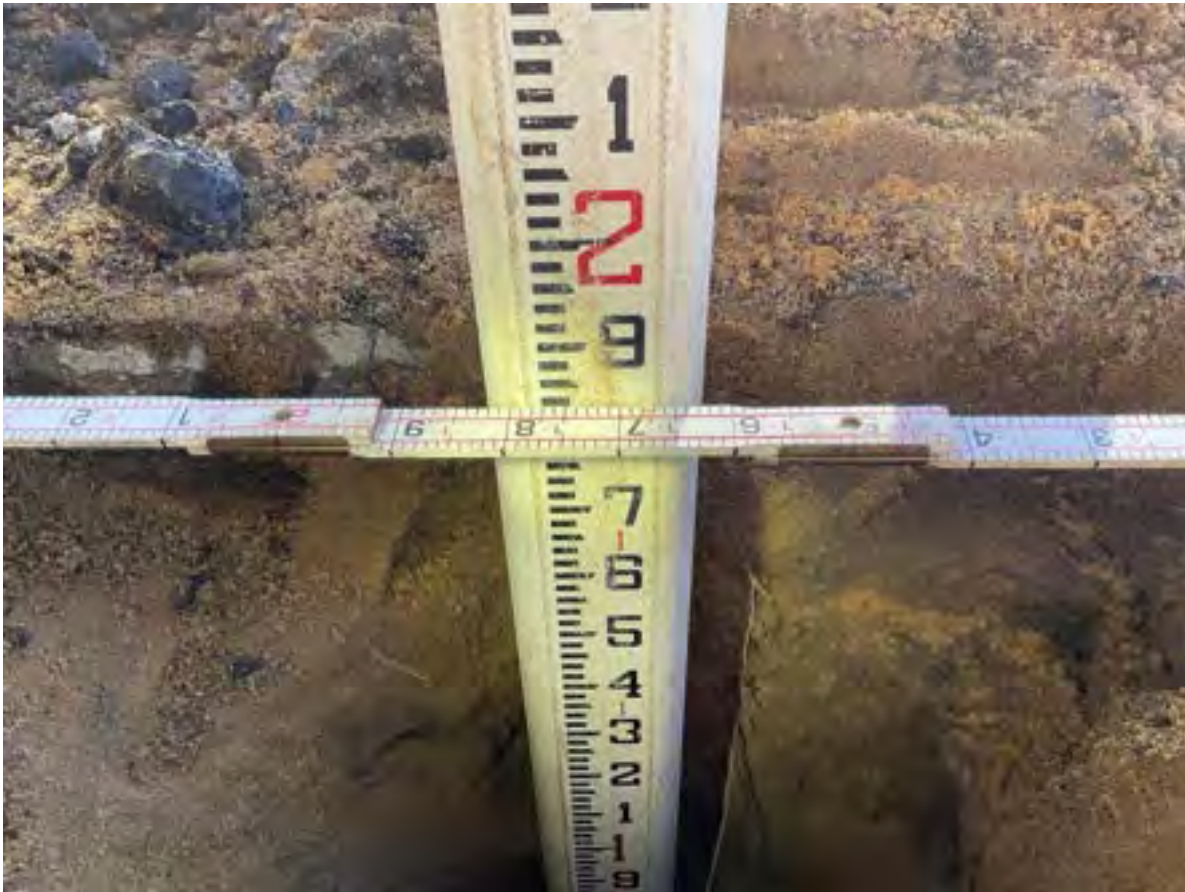
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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 68

LEVEL ROD MEASUREMENT PHOTO



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 68

REPAIRED SURFACE PHOTO



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 68

SITE SKETCH

The image shows a DRMP Vacuum Excavation Record form. The form is titled "DRMP VACUUM EXCAVATION RECORD" and includes fields for PROJECT, DATE, CREW, and various technical details. The form is partially filled out. At the bottom of the form, there is a "LOCATION SKETCH" section with a hand-drawn map showing the excavation site. The map includes a north arrow and a scale bar. The form is held by a clip.

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 69

DRMP #:	301.2501037.000	VACUUM UNIT #:	210	DATE:	12/14/2025
CREW:	SPENCER, MARCUS, JACE, OSMANY			DEVICE NAME:	Jax surv3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 69	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Fiber Optic Cable	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	DIRT	SOIL CONDITION:	SOFT, DRY, SAND, DIRT	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	BURIED TELEPHONE			NOMINAL SIZE (INCHES):	1"
UAO CONTACT INFO:	USIC	MATERIAL:	DBC (DIRECT BURIED CABLE)		
UTILITY AGENCY/OWNER:	CENTURY LINK			IDENTIFIED BY:	SIRC 5/8
DISTANCE PULLED FROM:	A: EDGE OF PAVEMENT	11.6'	B: N/A	68.7'	C: FENCE POST 48.4'

PAVING THICKNESS:	0'	EL. AT GRADE:	63'
DEPTH TO TOP OF UTILITY:	2.85'	EL. AT TOP:	60.15'
DEPTH TO BOTTOM OF UTILITY:	2.93'	ELEV AT BOTTOM:	60.07'
# OF VERTICAL CONDUIT/PIPE STACKS:	1		
MEASURED O.D. WIDTH (FEET)	0.08'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236099.30
UTILITY DIR:	SOUTH – NORTH	EASTING:	2005286.09

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 69

NOTES/COMMENTS:

APPROXIMATE LOCATION





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 69

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 69

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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MISCELLANEOUS PHOTOS



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 69

MISCELLANEOUS PHOTOS



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 69

MISCELLANEOUS PHOTOS



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MISCELLANEOUS PHOTOS



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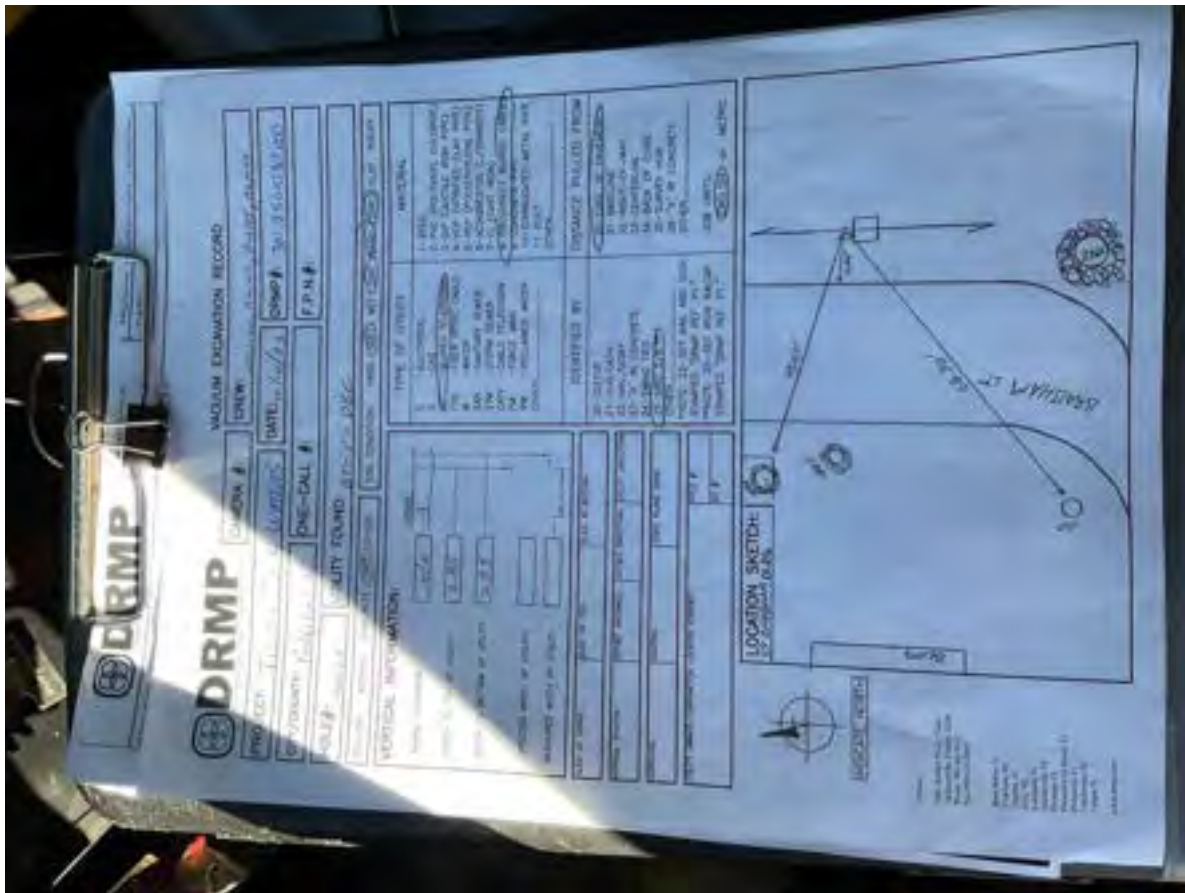
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PROJECT: TILLMAN RD

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 70

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/1/2025
CREW: STAN, MIKE, ARRINGTON	DEVICE NAME: This unit	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 70	EXPLORATORY HOLE #: 0	STRUCTURE NAME & #: MANHOLE 1
REQUESTED UTILITY: Gravity Sanitary Sewer	RECORDED MATERIAL: N/A	RECORD UTILITY SIZE: 0

HOLE DETAILS

SURFACE TYPE: ASPHALT	SOIL CONDITION: HARD	WATER TABLE DEPTH: 0"
UTILITY FOUND: GRAVITY SANITARY SEWER	NOMINAL SIZE (INCHES): 8"	
UAO CONTACT INFO: N/A	MATERIAL: VCP VITRIFIED CLAY PIPE)	
UTILITY AGENCY/OWNER: TOWN OF RIDGELAND	IDENTIFIED BY: N/A	
DISTANCE PULLED FROM: A: N/A 0'	B: N/A 0'	C: N/A

PAVING THICKNESS: N/A	EL. AT GRADE: N/A
DEPTH TO TOP OF UTILITY: N/A	EL. AT TOP: N/A
DEPTH TO BOTTOM OF UTILITY: 6.59'	ELEV AT BOTTOM: -6.59'
# OF VERTICAL CONDUIT/PIPE STACKS: N/A	
MEASURED O.D. WIDTH (FEET) N/A	# OF HORIZONTAL CONDUIT/PIPE STACKS: N/A

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: N/A
UTILITY DIR: SOUTHEAST – NORTHWEST	EASTING: N/A

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 70

NOTES/COMMENTS:

6.59 depth is invert

APPROXIMATE LOCATION



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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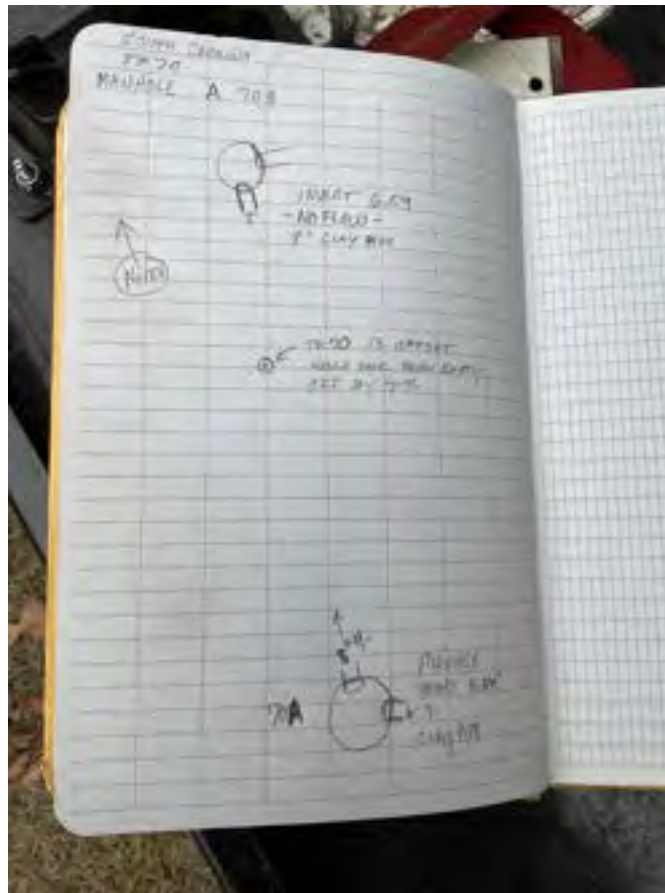
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PROJECT: TILLMAN RD

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 70

DRMP #: 301.2501037.000	VACUUM UNIT #: 476	DATE: 12/1/2025
CREW: STAN, MIKE, ARRINGTON	DEVICE NAME: This unit	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 70A	EXPLORATORY HOLE #: 70	STRUCTURE NAME & #: MANHOLE 2
REQUESTED UTILITY: Gravity Sanitary Sewer	RECORDED MATERIAL: VCP Vitrified Clay Pipe)	RECORD UTILITY SIZE: 8

HOLE DETAILS

SURFACE TYPE: ASPHALT	SOIL CONDITION: N/A	WATER TABLE DEPTH: 0"
UTILITY FOUND: GRAVITY SANITARY SEWER	NOMINAL SIZE (INCHES): 8"	
UAO CONTACT INFO: N/A	MATERIAL: VCP VITRIFIED CLAY PIPE)	
UTILITY AGENCY/OWNER: TOWN OF RIDGELAND	IDENTIFIED BY: N/A	
DISTANCE PULLED FROM: A: N/A	B: N/A	C: N/A

PAVING THICKNESS: N/A	EL. AT GRADE: N/A
DEPTH TO TOP OF UTILITY: N/A	EL. AT TOP: N/A
DEPTH TO BOTTOM OF UTILITY: 5.54'	ELEV AT BOTTOM: -5.54'
# OF VERTICAL CONDUIT/PIPE STACKS: N/A	
MEASURED O.D. WIDTH (FEET) 8.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS: N/A

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: N/A
UTILITY DIR: SOUTHWEST – NORTHEAST	EASTING: N/A

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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 70

NOTES/COMMENTS:

APPROXIMATE LOCATION



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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 70

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 70

MISCELLANEOUS PHOTOS





VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 70

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 71

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/1/2025
CREW:	STAN, MIKE, ARRINGTON			DEVICE NAME:	This unit
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 71	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Water	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	ASPHALT	SOIL CONDITION:	SOFT, DRY, SAND	WATER TABLE DEPTH:	0"
UTILITY FOUND:	WATER			NOMINAL SIZE (INCHES):	1"
UAO CONTACT INFO:	N/A			MATERIAL:	STEEL
UTILITY AGENCY/OWNER:	TOWN OF RIDGELAND			IDENTIFIED BY:	NAIL/DISK
DISTANCE PULLED FROM:	A: N/A	0'	B: N/A	C: N/A	

PAVING THICKNESS:	3.00'	EL. AT GRADE:	61.98'
DEPTH TO TOP OF UTILITY:	2.29'	EL. AT TOP:	59.69'
DEPTH TO BOTTOM OF UTILITY:	N/A	ELEV AT BOTTOM:	61.98'
# OF VERTICAL CONDUIT/PIPE STACKS:	N/A		
MEASURED O.D. WIDTH (FEET)	1.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	N/A

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236229.50
UTILITY DIR:	SOUTHWEST – NORTHEAST	EASTING:	2005580.59

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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 71

NOTES/COMMENTS:

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PROJECT: TILLMAN RD

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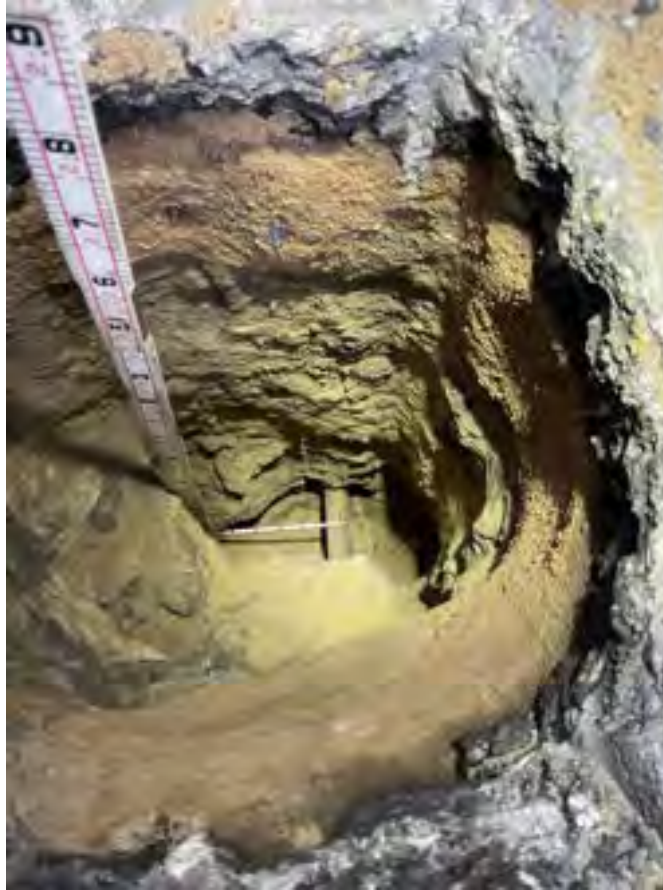
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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 71

MISCELLANEOUS PHOTOS

DRMP VACUUM EXCAVATION RECORD

CAMERA # _____ OPERATOR _____

PROJECT: TILLMAN RD DATE: 1/22/20 DRMP# 2020-01-0001-01

OFF/OWNER # _____ HOLE-CELL # _____ TYP# _____

HOLE # _____ UTILITY FOUND: _____

VERTICAL INFORMATION

TYPE OF UTILITY	LOCATION
1. AIR	1. AIR
2. GAS	2. GAS
3. WATER	3. WATER
4. SANITARY	4. SANITARY
5. TELEPHONE	5. TELEPHONE
6. CABLE	6. CABLE
7. OTHER	7. OTHER

LOCATION SKETCH

Scale: 1" = 10'

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 72

DRMP #:	301.2501037.000	VACUUM UNIT #:	210	DATE:	12/13/2025
CREW:	SPENCER, MARCUS, JACE, STAN, ARISON			DEVICE NAME:	Jax surv3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 72	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	N/A	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	ASPHALT	SOIL CONDITION:	SOFT, DRY, SAND, DIRT	WATER TABLE DEPTH:	0"
UTILITY FOUND:	WATER			NOMINAL SIZE (INCHES):	2"
UAO CONTACT INFO:	N/A			MATERIAL:	STEEL
UTILITY AGENCY/OWNER:	TOWN OF RIDGELAND			IDENTIFIED BY:	NAIL/DISK
DISTANCE PULLED FROM:	A: N/A	57.6'	B: N/A	6.9'	C: N/A

PAVING THICKNESS:	4.00'	EL. AT GRADE:	58.39'
DEPTH TO TOP OF UTILITY:	1.54'	EL. AT TOP:	56.85'
DEPTH TO BOTTOM OF UTILITY:	1.74'	ELEV AT BOTTOM:	56.65'
# OF VERTICAL CONDUIT/PIPE STACKS:	1.00		
MEASURED O.D. WIDTH (FEET)	2.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1.00

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	236054.32
UTILITY DIR:	WEST – EAST	EASTING:	2006077.49

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 72

NOTES/COMMENTS:

APPROXIMATE LOCATION



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TEST HOLE REQUEST #: 72

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Approver:
QA/QC Final Approver:



VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 72

MISCELLANEOUS PHOTOS



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MISCELLANEOUS PHOTOS





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PROJECT: TILLMAN RD

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 73

DRMP #: 301.2501037.000	VACUUM UNIT #: 210	DATE: 12/18/2025
CREW: STAN SPENCER JACE ARISON MARCUS MANNY	DEVICE NAME: 210	
CITY/COUNTY: RIDGELAND JASPER	ONE-CALL #: N/A	JOB UNITS: U.S. Foot
REPORT NAME: TH 73A	EXPLORATORY HOLE #: N/A	STRUCTURE NAME & #: N/A
REQUESTED UTILITY: N/A	RECORDED MATERIAL: N/A	RECORD UTILITY SIZE: N/A

HOLE DETAILS

SURFACE TYPE: ASPHALT	SOIL CONDITION: SOFT, DRY	WATER TABLE DEPTH: N/A
UTILITY FOUND: WATER	NOMINAL SIZE (INCHES): 2"	
UAO CONTACT INFO: N/A	MATERIAL: STEEL	
UTILITY AGENCY/OWNER: TOWN OF RIDGELAND	IDENTIFIED BY: SIRC 5/8	
DISTANCE PULLED FROM: A: EDGE OF PAVEMENT 1.3'	B: N/A 41.8'	C: N/A 32.8'

PAVING THICKNESS: 4'	EL. AT GRADE: N/A
DEPTH TO TOP OF UTILITY: 1.35'	EL. AT TOP: -1.35'
DEPTH TO BOTTOM OF UTILITY: 1.55'	ELEV AT BOTTOM: -1.55'
# OF VERTICAL CONDUIT/PIPE STACKS: 1	
MEASURED O.D. WIDTH (FEET) 0.2'	# OF HORIZONTAL CONDUIT/PIPE STACKS: 1

ALIGNMENT: N/A	DESIGN REF DWG: N/A
APPROX STATION: 00+00.0'	STATE PLANE ZONE:
APPROX OFFSET: 0'	NORTHING: N/A
UTILITY DIR: WEST – EAST	EASTING: N/A

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 73

NOTES/COMMENTS:

APPROXIMATE LOCATION



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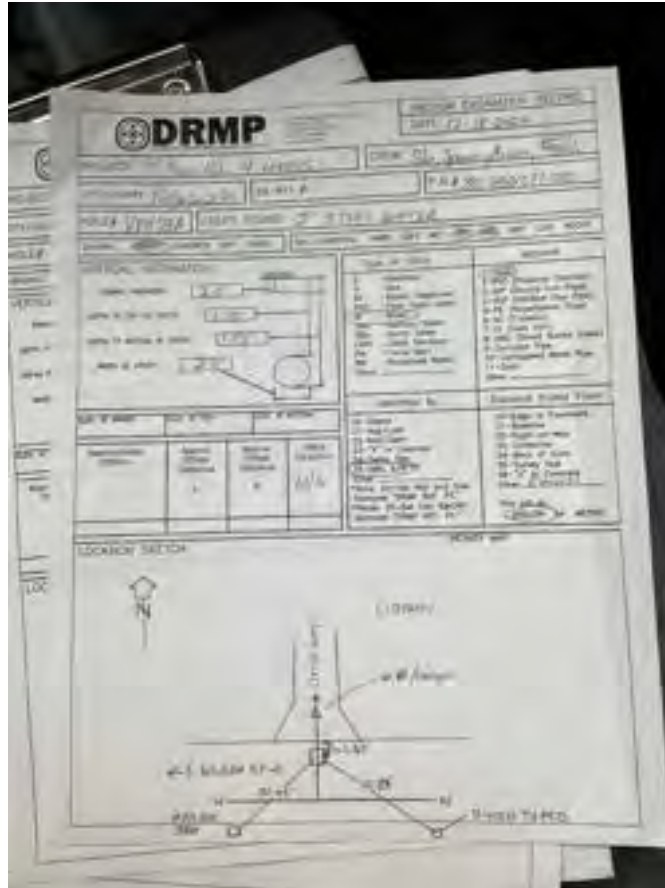
VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 73

MISCELLANEOUS PHOTOS



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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 74

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/13/2025
CREW:	STAN ARISON	DEVICE NAME:	Jax Sur3		
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 74	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Water	RECORDED MATERIAL:	CI (Cast Iron)	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	ASPHALT	SOIL CONDITION:	SOFT, WET, SAND	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	WATER	NOMINAL SIZE (INCHES):	10"		
UAO CONTACT INFO:	N/A	MATERIAL:	CI (CAST IRON)		
UTILITY AGENCY/OWNER:	TOWN OF RIDGELAND	IDENTIFIED BY:	NAIL/DISK		
DISTANCE PULLED FROM:	A: N/A	B: N/A	C: N/A		

PAVING THICKNESS:	4.00'	EL. AT GRADE:	50.80'
DEPTH TO TOP OF UTILITY:	3.10'	EL. AT TOP:	47.70'
DEPTH TO BOTTOM OF UTILITY:	4.00'	ELEV AT BOTTOM:	46.80'
# OF VERTICAL CONDUIT/PIPE STACKS:	1.00		
MEASURED O.D. WIDTH (FEET)	10.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1.00

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	235735.54
UTILITY DIR:	WEST – EAST	EASTING:	2006849.61

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TEST HOLE REQUEST #: 74

NOTES/COMMENTS:

APPROXIMATE LOCATION



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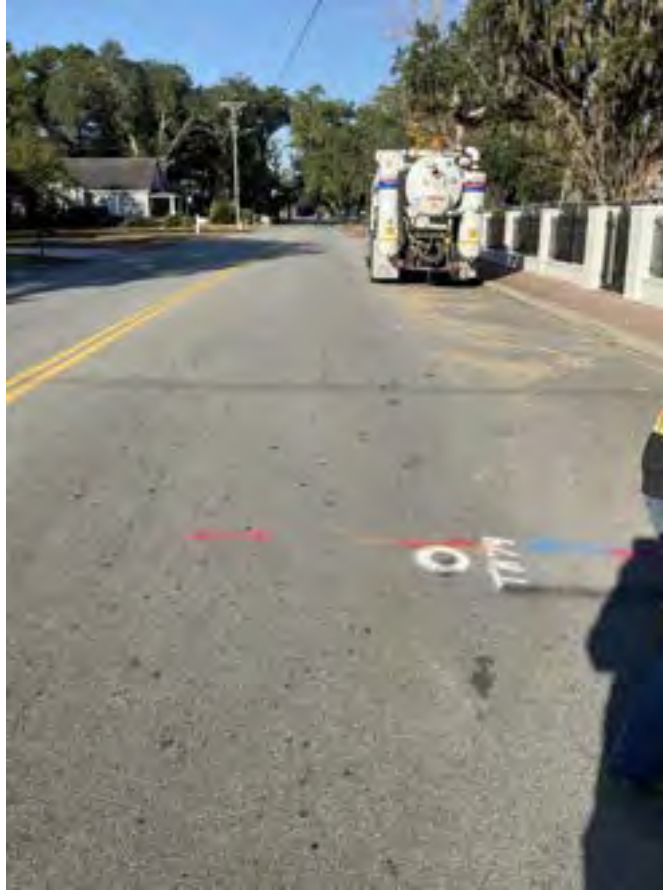
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PROJECT: TILLMAN RD

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TEST HOLE REQUEST #: 74

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PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 74

MISCELLANEOUS PHOTOS

DRMP VACUUM EXCAVATION RECORD

CAMERA # 1 CROW 12-1-2014

PROJECT Tillman Rd DATE 12-1-2014 DRMP# 201-2100-11000

CITY/COUNTY FLA ONE-CALL # 1-800-4-A-FLA F.P.N.#

HOLE# 74 UTILITY FOUND 10' P.T. 3/4" DIA.

VERTICAL INFORMATION

TYPE OF UTILITY

LOCATION SKETCH

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 75

DRMP #:	301.2501037.000	VACUUM UNIT #:	210	DATE:	12/13/2025
CREW:	SPENCER, MARCUS,JACE,STAN, ARISON			DEVICE NAME:	Jax surv3
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 75	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Water	RECORDED MATERIAL:	CI (Cast Iron)	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	ASPHALT	SOIL CONDITION:	HARD, DRY, SAND, DIRT	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	WATER			NOMINAL SIZE (INCHES):	6"
UAO CONTACT INFO:	N/A		MATERIAL:	STEEL	
UTILITY AGENCY/OWNER:	TOWN OF RIDGELAND			IDENTIFIED BY:	NAIL/DISK
DISTANCE PULLED FROM:	A: N/A	9.8'	B: N/A	17'	C: N/A 21.4'

PAVING THICKNESS:	3.00'	EL. AT GRADE:	50.02'
DEPTH TO TOP OF UTILITY:	2.00'	EL. AT TOP:	48.02'
DEPTH TO BOTTOM OF UTILITY:	2.60'	ELEV AT BOTTOM:	47.42'
# OF VERTICAL CONDUIT/PIPE STACKS:	1.00		
MEASURED O.D. WIDTH (FEET)	6.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1.00

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	235706.13
UTILITY DIR:	WEST – EAST	EASTING:	2006933.51

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TEST HOLE REQUEST #: 75

NOTES/COMMENTS:

APPROXIMATE LOCATION



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MISCELLANEOUS PHOTOS





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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

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MISCELLANEOUS PHOTOS

The image shows a handwritten DRMP Vacuum Excavation Record form and a location sketch. The form is titled "DRMP VACUUM EXCAVATION RECORD" and includes fields for "CAMERA #", "CREW", "DATE", "TIME", "ONE-CALL #", and "F.P.N.". The "DATE" is filled in as "12-15-15" and "TIME" as "10:00". The "CREW" is filled in as "STAN, ALLEN, GREG, PAUL". The "ONE-CALL #" is filled in as "11115" and "F.P.N." is filled in as "11115". The "UTILITY FOUND" section is filled in as "WATER 6\".

The "VERTICAL INFORMATION" section includes fields for "APPROX. DEPTH", "DEPTH TO TOP OF UTILITY", "DEPTH TO BOTTOM OF UTILITY", "APPROX. WIDTH OF UTILITY", and "APPROX. LENGTH OF UTILITY". The "TYPE OF UTILITY" section includes a list of utility types: "1. TELEPHONE", "2. CABLE TELEVISION", "3. CABLE TELEVISION", "4. CABLE TELEVISION", "5. CABLE TELEVISION", "6. CABLE TELEVISION", "7. CABLE TELEVISION", "8. CABLE TELEVISION", "9. CABLE TELEVISION", "10. CABLE TELEVISION". The "IDENTIFIED BY" section includes a list of utility types: "1. TELEPHONE", "2. CABLE TELEVISION", "3. CABLE TELEVISION", "4. CABLE TELEVISION", "5. CABLE TELEVISION", "6. CABLE TELEVISION", "7. CABLE TELEVISION", "8. CABLE TELEVISION", "9. CABLE TELEVISION", "10. CABLE TELEVISION".

The "LOCATION SKETCH" section includes a hand-drawn map showing the location of the excavation. The map includes a north arrow, a scale bar, and a grid. The excavation is located at the intersection of "TILLMAN RD" and "WILSON RD". The sketch shows the location of the excavation relative to the intersection and the surrounding area.

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD	F.P.N.:	TEST HOLE REQUEST #: 76

DRMP #:	301.2501037.000	VACUUM UNIT #:	476	DATE:	12/12/2025
CREW:	STAN SPENCER	DEVICE NAME:	JaxSur3		
CITY/COUNTY:	RIDGELAND JASPER	ONE-CALL #:	N/A	JOB UNITS:	U.S. Foot
REPORT NAME:	TH 76	EXPLORATORY HOLE #:	N/A	STRUCTURE NAME & #:	N/A
REQUESTED UTILITY:	Gravity Sanitary Sewer	RECORDED MATERIAL:	N/A	RECORD UTILITY SIZE:	N/A

HOLE DETAILS

SURFACE TYPE:	N/A	SOIL CONDITION:	N/A	WATER TABLE DEPTH:	N/A
UTILITY FOUND:	GRAVITY SANITARY SEWER	NOMINAL SIZE (INCHES):	6"		
UAO CONTACT INFO:	N/A	MATERIAL:	PVC (POLYVINYL CHLORIDE)		
UTILITY AGENCY/OWNER:	TOWN OF RIDGELAND	IDENTIFIED BY:	N/A		
DISTANCE PULLED FROM:	A: N/A	B: N/A	C: N/A		

PAVING THICKNESS:	0.00'	EL. AT GRADE:	N/A
DEPTH TO TOP OF UTILITY:	9.25'	EL. AT TOP:	-9.25'
DEPTH TO BOTTOM OF UTILITY:	9.85'	ELEV AT BOTTOM:	-9.85'
# OF VERTICAL CONDUIT/PIPE STACKS:	1.00		
MEASURED O.D. WIDTH (FEET)	6.00'	# OF HORIZONTAL CONDUIT/PIPE STACKS:	1.00

ALIGNMENT:	N/A	DESIGN REF DWG:	N/A
APPROX STATION:	00+00.0'	STATE PLANE ZONE:	
APPROX OFFSET:	0'	NORTHING:	N/A
UTILITY DIR:	WEST – EAST	EASTING:	N/A

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VACUUM EXCAVATION RECORD

PROJECT: TILLMAN RD

F.P.N.:

TEST HOLE REQUEST #: 76

NOTES/COMMENTS:

APPROXIMATE LOCATION



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MISCELLANEOUS PHOTOS



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