



US 1 over I-20 Interchange Improvement

P030711 – Lexington County

Preliminary Utility Impact Analysis Report

March 19, 2019



Prepared by:



SCDOT US-1 over I-20 Interchange Improvement

SCDOT# P030711
Lexington County

Preliminary Utility Impact Analysis Report

US 1 over I-20 in Lexington County

Overall Project Review

The interchange improvement project consists of replacing the existing US 1 (Augusta Hwy) bridge over I-20 interchange, reconfiguring the on/off ramps, and realigning the nearby frontage roads of Monroe Lane, Dooley Road, Brickyard Road, and Cedar Street.



Project Study Area: US 1 over I-20 in Lexington County

Utility Coordination Approach

The key purpose for early involvement is to allow utilities enough time to plan and budget their relocations in response to an expedited project delivery. All the stakeholders understand the critical nature utilities play to a project's success, so it is important that this early coordination continue throughout the DB procurement and project construction.

All information provided is For Information Only and is based on the best available data at the time of the report. It will be the responsibility of the DBT to verify as their team deems necessary to make critical decisions. I-20 is currently being widened under a design-build contract with Zachry Construction. Some utilities had to relocate due to this project. These relocations should be captured in the SUE mapping to come at a later date from this report.



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This early utility coordination report contains the following information:

- List of utility owners
- Early assessment of utility company's facilities (existing and proposed)
- Summary of resulting impacts
- Early assessment of prior rights
 - Prior rights documentation was requested; however, this is an on-going process due to time constraints and limited resources.
 - Prior rights identified in this report is based on Level B SUE in relation to property limits shown as well as any known easements.
- Potential Conflict Identification based on the recommended preferred alternative
- Preferred Utility Clearance Separation Values
- Preliminary Utility Relocation Schedules (Design & Construction)
 - This is a high-level estimate. It is difficult to provide accurate timeframes when the final scope of impacts cannot be secured.
- Potential Environmental Impacts due to relocations
- Possible In-contract relocation options

Due to the potential lengthy relocations for the new intersections from their existing locations, it will be imperative that new cutovers be timed properly with the project staging. It is recommended that rough grading for all new relocated roads be performed early in the schedule if utilities need this area for relocation options. It will be the Design-Build Team's (DBT) responsibility to confirm this approach during their utility coordination efforts.

NOTE: Utility owners will not begin design or prior rights research until they receive right of way (ROW) plans. It will be very important for the DBT to provide plans with established proposed ROW as soon as possible, so they can finalize their designs and obtain easements, if required, for their relocations. It will be critical to establish a viable utility corridor to ensure there is room for relocations in relation to existing and proposed features and for construction staging. ROW cannot be purchased solely for utility relocations, so the corridor should fit within the limits of the project needs.

Project Schedule

The following dates will be provided to the utility owners prior to the RFQ:

- Request for Qualifications (RFQ) – April 29, 2019
- Announcement for Short-Listed Teams – July 15, 2019
- Request for Proposals (RFP) Industry Review – July 19, 2019
- Final RFP – September 2019
- Bid Opening – March 2020



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SUE Overview

It was recommended that Level B SUE be performed under the design build prep, so all proposing DBT would have same information, a better level of accuracy to minimize impacts to reduce risk as well as to improve safety by reducing field investigations from multiple proposers. CECS is currently performing Level B SUE for the project study area. This will be complete and provided to the short-listed teams by the noted dates in the *Project Schedule* section. There could be a need for additional SUE depending on final project limits determined by the proposing DBT.

As-builts are included in this report for those utilities who provided hard copies. Others will be shown in the SCDOT provided SUE mapping and in their provided CAD files.



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Utility Contacts

SCE&G-Electric

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Town of Lexington Water & Sewer

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SCE&G – Gas

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Gilbert, SC 29054

Charter/Spectrum

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Windstream

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Individual Utility Summary

*Below is a summary for each utility owner for notable potential impacts and current recommended mitigation. See Quick Reference Table for specific timeframes. NOTE: The recommended mitigation **does not** mean it will be implemented. It is a recommendation to avoid/minimize impacts and/or assist utilities in planning for upcoming relocation needs.*

SCE&G Power Distribution

SCE&G Power Distribution has 3-phase primary overhead (OH) and underground (UG) service facilities throughout the project. Their primary OH line begins on the north side of US 1 until it spans over I-20 where it then crosses to the south side continuing out of the project limits. This line has conflicts with the new overpass construction and location. SCE&G also has OH primary facilities on all side roads, which may have to move to the relocated roads for service to adjacent property owners and future access and maintenance.

Since the relocated side roads could be a critical step for SCE&G's cutovers and staging across I-20, ROW and clearing will be crucial in the early portion of the DB process. SCE&G will have to obtain easements, so coordination between ROW agents is recommended. Easement acquisitions could take 8-10 months once their design is complete. If relocations along the new side roads cannot coincide with the interstate crossing, then this could impact options for DBT on schedule. This is very important to confirm during the pursuit. Determining alternatives for their interstate crossing should be considered.

Along with ROW coordination, early processing of utility agreements will be key for efficiency. SCE&G appears to have partial prior rights on US 1 since many of their poles are located inside the existing ROW. SCE&G seems to have prior rights on side roads as they appear to be outside the existing ROW. Prior rights will need to be verified.

SCE&G will need to review relocation options which minimizes impacts to wetlands on relocated Cedar Road and Brickyard Road as well as to property owners. These impacts could prolong their relocation efforts.

Town of Lexington (TOL) Water & Sewer – Water

TOL-W has a 12-in PVC water line along the north side of US 1 from the project beginning to Brickyard Road where it turns into a 10-in PVC line along Monroe Lane and a 6-in PVC line on Brickyard Road. TOL-W starts on the east side of I-20 at the American Value property on the north side of US 1 as a 6-in PVC line. It crosses to the south side of US 1 as a 10-in PVC line at the existing Dooley Road/Cedar Road intersection and continues out of the project limits. These lines have conflicts with the new pavement, bridge ends, drainage, side line ditches, and signals.



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TOL-W has 10-in PVC lines on Cedar and Dooley roads, which may need to relocate to the new alignments. The existing 6-in water line on Brickyard Road is currently being replaced by a 12-in line that will run from US 1 along Brickyard Road to a gravel driveway servicing Tidewater Boats. It will cross I-20 in an 18-in casing approximately 1800 feet south of the interchange and tie to an existing 10-in PVC line on Dooley Road. This installation is currently under construction. TOL-W was made aware of the upcoming DB project. The SUE may not have this included at the time of this report.

It will be imperative that ROW, removal and disposal items, clearing and grubbing, and rough grading be performed as soon as possible, so the Town can install new facilities. It is recommended that Level A test holes be performed to make design adjustments to avoid or allow to remain during various stages of construction.

The Town does have a utility easement along the south side of US 1 from Dooley Road to outside the project limits as well as on the east side of Dooley Road. Their 10-in water line goes in and out of this easement, so proper documentation will need to be verified to determine which portions could be a cost to SCDOT. They also have a private easement along the back side of Value America's hotel property for their water and sewer lines. Their remaining water system does not appear to have prior rights.

The Town could be opened to in-contract work should the DBT want to offer this option during their coordination efforts. This arrangement would be between the DBT and the Town as a separate contract. The utility agreement for items with prior rights will be processed and submitted as usual.

Town of Lexington (TOL) - Sewer

TOL-S has a 6-in sewer force main on Cedar Road that crosses US 1 to Dooley Road where it ends at the gravity system that crosses under I-20 to Brickyard Road. There is a 3-in force main that branches off to the west on the north side of US 1 to Value America's property and another 3-in force main on the south side of US 1 from Dooley Road to the project limits. TOL-S has lift stations at Value America and Bojangles for the Cedar/Dooley Road system. The lift station at Value America will be in the new controlled access (C/A) limits, and the one at Bojangles is at the edge of the proposed ROW for US 1. Both sites will need to be evaluated further on whether they can remain. The lift stations are on private easement and will have prior rights.

TOL-S has a gravity system on the east side of Brickyard Road from where it crosses under I-20 to south of US 1 where it turns west on a private easement.

Pavement, controlled access, storm drainage, ditch cuts, OH signs, and signals are potential impacts to these sewer lines. Level A test holes and design adjustments are recommended avoid impacts and assist with staging construction. It will be imperative that ROW, removal and



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disposal items, clearing and grubbing, and rough grading be performed early in the DB phase. In-contract work is another recommendation to pursue during the procurement phase. Should this option be performed, the contract would be between the DBT and the Town as a separate contract. The utility agreement for items with prior rights will be processed and submitted as usual.

TOL-S has some prior rights on their facilities. Final determination will need to be provided by the Town.

SCE&G Gas Distribution

SCE&G gas has a 6-in steel gas line along the north side of US 1 throughout the project except for where they relocated due to the I-20 DB improvements. For this relocation, SCE&G crossed US 1 to the east side of Brickyard Road and continued south in a private easement where it then bored under I-20 to Dooley Road. SCE&G abandoned their 6-in line on US 1 from Brickyard to Dooley Road. The potential impacts include ditch cuts, drainage, and pavement restrictions. There could be potential impacts to the end of the bore on Dooley Road so minimizing this would be necessary to maintain the existing interstate crossing.

SCE&G has a 4-in steel line along the east side of Cedar Road, a 6-in along Dooley Road, and a 6-in line along Brickyard and Fergon Roads. They also have a 2-in plastic line at the intersection of relocated Dooley Road and Cedar Road for service to a property owner. SCE&G will need to relocate to the new roads for service and future access. Temporary adjustments or other methods for maintenance of services during construction may be necessary if full access to side roads are not available. It is recommended to perform test holes to avoid impacts due to drainage features, early ROW coordination for priority areas, and other various design adjustments to minimize impacts.

SCE&G gas does not appear to have prior rights. This will need to be confirmed by the DBT.

Windstream Telecommunications

Windstream has underground facilities on both sides of US 1 from the project beginning to their overhead powerline which begins at Brickyard Road. They cross I-20 on the south side of the existing overpass until Dooley Road where they dip underground and branch out on both sides of US 1. They have fiber and copper buried facilities on Dooley Road, Cedar Road, Monroe Lane, and Brickyard Road. Their potential impacts are pavement, storm drainage, ditch cuts, signals, OH signs, and new alignments.

Windstream could utilize their existing I-20 overhead crossing should this be an option for their relocations to better facilitate their efforts. They will need approximately 6 months for design and another 6-10 months for relocations since this is a major feed in their system. If Windstream decides to relocate on SCE&G's poles for practical purposes, then they will need SCE&G's



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relocation design in order to complete their designs.

Windstream does not appear to have prior rights since they are located inside the ROW. This will need to be verified by the DBT.

Comporium Telecommunications

Comporium has overhead facilities attached to SCE&G's poles throughout the project limits on US 1. They will have the same conflicts as SCE&G. Comporium plans to relocate to the new pole line. It will be important to provide them SCE&G's plans as soon as possible. The timeframes for Comporium to relocate in relation to bridge construction and where SCE&G relocates their interstate crossing will be very important to the contractor's schedule and construction staging. Comporium generally requires several months once the pole line is available, so this could impact bridge construction. Confirmation and other relocation options will be crucial for this relocation. Since Charter will have to relocate on this same pole line, the relocation timeframes could extend longer depending on the order for attachments.

Charter/Spectrum - CATV

Charter has buried and aerial fiber and coaxial facilities throughout the project limits. They are on SCE&G's pole line when they are aerial. They cross I-20 overhead and then transition underground on the various side roads throughout the project limits. They have a main fiber feed to the cell tower that will require long pulls for replacement. Potential impacts include pavement, storm drainage, ditch cuts, signals, and OH signs. Charter will relocate to SCE&G's new pole line. It will be important to share SCE&G's relocation design as soon as possible with Charter to complete their design. There will be coordination required between power and all telecommunication companies who attach in order for their schedule to be accounted for during construction staging and cutovers.

Charter has a moratorium from Thanksgiving to Christmas, so no work will be performed during that time. The DBT needs to ensure this is accounted for with cutovers and schedule. Every fiber at a minimum of 30 days' notice / commercial cutover is 45 days. To complete a full cutover for a line, all customers on that feed must agree to the same timeframe, or else the whole process starts over to find a suitable time for all parties.

American Tower Cell Tower

American Tower owns a cell antenna at the end of Brickyard Road near I-20. There are no potential impacts to the cell tower site; however, the communication feeds from Windstream, Charter, and Comporium do have impacts with the project. See their sections for details.



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Potential Environmental Impacts

DBT should consider joint permittee applications for wetland impacts on Cedar Road and Brickyard Road or recommend utilities bore under wetlands to minimize impacts made by open cuts of buried facilities. This is applicable to Town of Lexington water and sewer, SCE&G gas, Windstream, and Charter. SCE&G Power could have impacts due to clearing, so minimizing this would prevent delays.



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Quick Reference Table



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Utility Quick Reference Table

US 1 over I-20 Interchange Improvement - Design-Build Prep
P030711 - Lexington County

| Utility Owner/ Utility Type | Location | Potential Conflict | Impact Probability | PRIOR RIGHTS | | TIMEFRAMES (months) | | | | CLEARANCES (ft) | | | | | CONSTRUCTION | | | COMMENTS |
|---|----------------------------|--------------------------------|-----------------------|--------------------|-------------------------|---------------------|--------|---|--------------|--|-------------------|-------------------|----------------------------|---------------------------|--------------------------|--------------------------|---|---|
| | | | | Yes/No/ Partial | Documentation Status | Permits | Design | Procurement/ Easement Acquisition | Construction | Structures (bridge piles, footings, noise walls, MSE, etc.) | Max Fill Limit | Storm Drainage | Other utility owners | Construction Equipment | Seasonal Restrictions | Inside or Outside ROW | Items Required to Relocate (Proj ROW, Private Easement, Contractor Activity) | |
| SCE&G Power Distribution (OH1) | | | | | | | | | | | | | | | | | | |
| OH 3-Ph with attachments | US 1 | Road, Bridge, SD, C/F, Signals | HIGH | Partial | On-going | N/A | 6 | 10 | 3 | 20 | 23' under line | 5 | 5 | 15' or OSHA | None | Both | 60% plans, Proj ROW, easements, rough grading/clearing, staking | |
| OH 3-Ph with attachments | Monroe Lane | Road, C/F | MODERATE | | | | | | 3 | | | | | | | | | |
| OH 3-Ph with attachments | Cedar Road | Road, C/F | LOW | | | | | | 3 | | | | | | | | | |
| OH 3-Ph with attachments | Brickyard Road/Fergon Road | Road, C/F | LOW | | | | | | 2 | | | | | | | | | |
| OH 3-Ph with attachments | Dooley Road | Road, C/F | MODERATE | | | | | | 3 | | | | | | | | | |
| Town of Lexington Water (W1) | | | | | | | | | | | | | | | | | | |
| 12-inch PVC / 10" PVC / 6-inch PVC | US 1 | Road, Storm Drainage, | HIGH | Partial | On-going | 6 | 6 | 3 | 2 | 10 | 10 | 5 | 3 | N/A | None | Both | 60% plans, Proj ROW, easements, rough grading/clearing, staking | |
| 10-inch DI | Monroe Lane | Road, C/F | MODERATE | | | | | | 2 | | | | | | | | | |
| 10-inch DI | Cedar Road | Road, C/F, Future Access | MODERATE | | | | | | 3 | | | | | | | | | |
| 6-inch DI / 12" PVC (New) | Brickyard Road/Fergon Road | Road, C/F, Future Access | LOW | | | | | | 2 | | | | | | | | | |
| 10-inch PVC | Dooley Road | Road, C/F, Future Access | MODERATE | | | | | | 3 | | | | | | | | | |
| Town of Lexington SEWER (S1/FS1) | | | | | | | | | | | | | | | | | | |
| 3-inch/2-inch PVC | US 1 | Road, Storm Drainage, | MODERATE | Partial | On-going | 6* | 6* | 3* | 2* | 10 | 10 | 5 | 3** | N/A | None | Both | 60% plans, Proj ROW, easements, rough grading/clearing, staking | *Timelines would be in coordination with water work. **Greater separations may be needed with gas (cathodic protection) and water. |
| 3-inch/6-inch PVC | Cedar Road | Road, C/F, Future Access | LOW | | | | | | 3* | | | | | | | | | |
| Gravity System | Brickyard Road/Fergon Road | Road, C/F, Future Access | LOW | | | | | | 2* | | | | | | | | | |
| 6-inch PVC | Dooley Road | Road, C/F, Future Access | MODERATE | | | | | | 3* | | | | | | | | | |
| SCE&G GAS (G1) | | | | | | | | | | | | | | | | | | |
| 6-inch STL | US 1 | Road, Storm Drainage, | MODERATE | No | N/A | 6 | 4 | 3 | 3 | 10 | 10 | 5 | 3 | N/A | None | Inside | 60% plans, Proj ROW, rough grading/clearing, staking | |
| 4-inch STL | Cedar Road | Road, C/F, Future Access | LOW | | | | | | 3 | | | | | | | | | |
| 6-inch STL | Brickyard Road/Fergon Road | Road, C/F, Future Access | LOW | | | | | | 2 | | | | | | | | | |
| 6-inch STL | Dooley Road | Road, C/F, Future Access | MODERATE | | | | | | 4 | | | | | | | | | |

Utility Quick Reference Table

US 1 over I-20 Interchange Improvement - Design-Build Prep
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| Utility Owner/ Utility Type | Location | Potential Conflict | Impact Probability | PRIOR RIGHTS | | TIMEFRAMES (months) | | | | CLEARANCES (ft) | | | | CONSTRUCTION | | | COMMENTS | |
|--|----------------------------|--------------------------------|-----------------------|--------------------|-------------------------|---------------------|--------|---|--------------|---|-------------------|-------------------|----------------------------|---------------------------|--|--------------------------|---|---|
| | | | | Yes/No/ Partial | Documentation Status | Permits | Design | Procurement/ Easement Acquisition | Construction | Structures (bridge piles, footings, noisewalls, MSE, etc.) | Max Fill Limit | Storm Drainage | Other utility owners | Construction Equipment | Seasonal Restrictions | Inside or Outside ROW | | Items Required to Relocate (Proj ROW, Private Easement, Contractor Activity) |
| Windstream (T1) | | | | | | | | | | | | | | | | | | |
| OH/UG Copper & Fiber | US 1 | Road, Storm Drainage, | HIGH | No | N/A | N/A | 6 | 3 | 2 | 10 | N/A | 3 | 3 | N/A | None | Inside/SCE&G Pole Line | 60% plans, Proj ROW, rough grading/clearing, staking | |
| OH/UG Copper & Fiber | Monroe Lane | Road, C/F | LOW | | | | | | 2 | | | | | | | | | |
| OH/UG Copper & Fiber | Cedar Road | Road, C/F, Future Access | MODERATE | | | | | | 2 | | | | | | | | | |
| OH/UG Copper & Fiber | Brickyard Road/Fergon Road | Road, C/F, Future Access | LOW | | | | | | 2 | | | | | | | | | |
| OH/UG Copper & Fiber | Dooley Road | Road, C/F, Future Access | LOW | | | | | | 2 | | | | | | | | | |
| Comporium Communications (T2) | | | | | | | | | | | | | | | | | | |
| OH Fiber | US 1 | Road, Bridge, SD, C/F, Signals | HIGH | No | N/A | N/A | 6 | 3 | 2* | 10 | N/A | 3 | 3 | N/A | None | Inside/SCE&G Pole Line | 60% plans, SCE&G Relocation Plans, Proj ROW, easements, rough grading/clearing, staking | * Comporium will need SCE&G's new pole line available before relocations can begin. Coordinate for order of operations of attachments with other communication companies. |
| OH Fiber | Monroe Lane | Road, C/F | MODERATE | | | | | | 2* | | | | | | | | | |
| OH Fiber | Cedar Road | Road, C/F | LOW | | | | | | 2* | | | | | | | | | |
| OH Fiber | Brickyard Road/Fergon Road | Road, C/F | LOW | | | | | | 2* | | | | | | | | | |
| OH Fiber | Dooley Road | Road, C/F | MODERATE | | | | | | 2* | | | | | | | | | |
| Charter Spectrum CATV (OH1/TV1) | | | | | | | | | | | | | | | | | | |
| OH/UG Copper & Fiber | US 1 | Road, Bridge, SD, C/F, Signals | HIGH | No | N/A | N/A | 6 | 3 | 2* | 10 | N/A | 3 | 3 | N/A | Thanksgiving - New Year (No Splicing or outages permitted) | Inside/SCE&G Pole Line | 60% plans, SCE&G Relocation Plans, Proj ROW, easements, rough grading/clearing, staking | * Charter will need SCE&G's new pole line available before relocations can begin. Coordinate for order of operations of attachments with other communication companies. |
| OH/UG Copper & Fiber | Monroe Lane | Road, C/F | MODERATE | | | | | | 2* | | | | | | | | | |
| OH/UG Copper & Fiber | Cedar Road | Road, C/F | LOW | | | | | | 2* | | | | | | | | | |
| OH/UG Copper & Fiber | Brickyard Road/Fergon Road | Road, C/F | LOW | | | | | | 2* | | | | | | | | | |
| OH/UG Copper & Fiber | Dooley Road | Road, C/F | MODERATE | | | | | | 2* | | | | | | | | | |

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As-builts

NOTE: Utilities provided as-builts as requested. Only those utilities who provided hard copies are attached to this report. Some utility owners provided CAD only files. All utilities in the project limits will be provided in SUE mapping file, which is currently being finalized.



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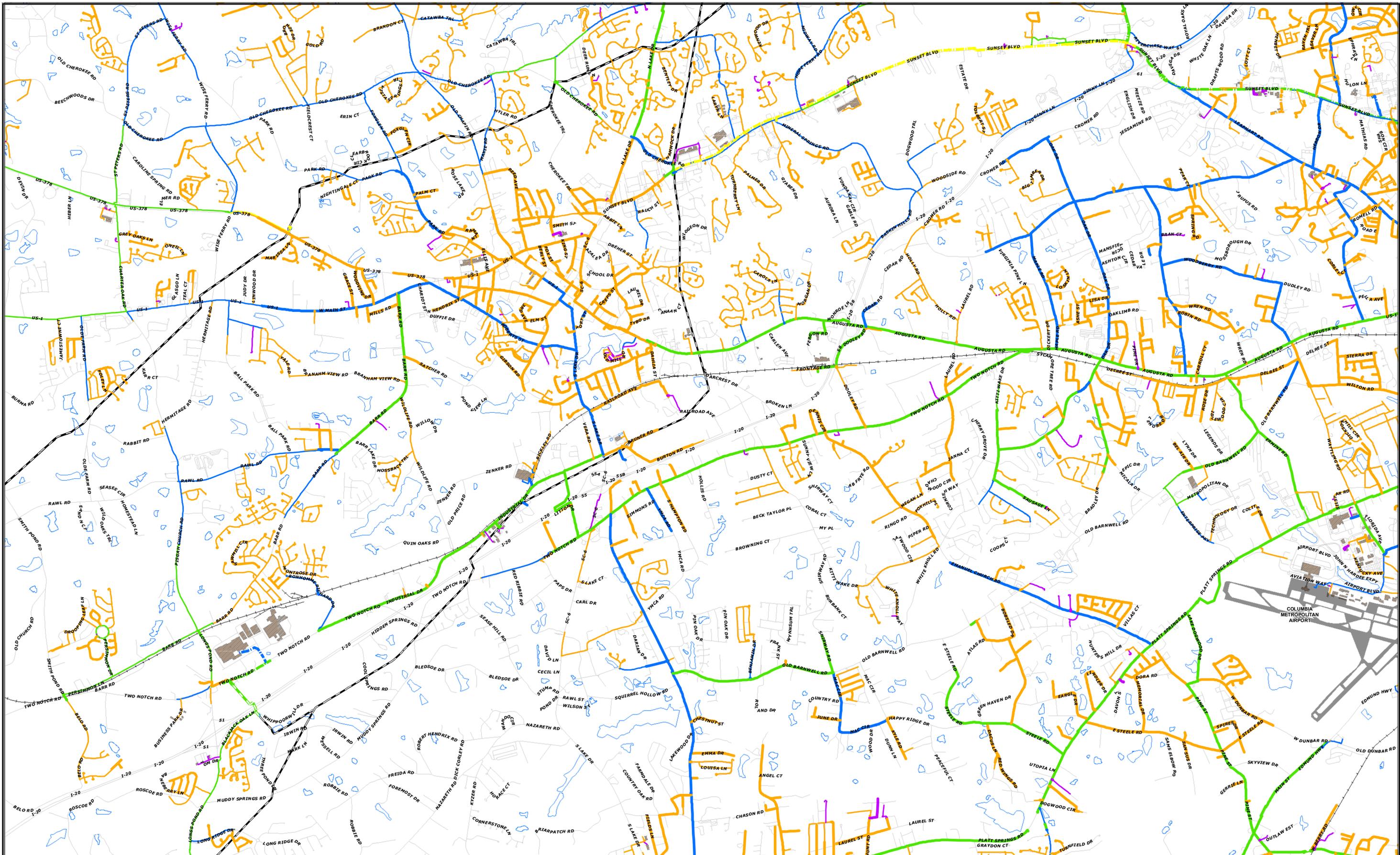


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**SCDOT US-1 OVER I-20
DESIGN BUILD PREP**



SCE&G Gas As-Builts



PLAN SAFETY INTO EVERY JOB



This information for planning usage only and should not be considered exact. A SCE&G approved field inspection and locate is required.

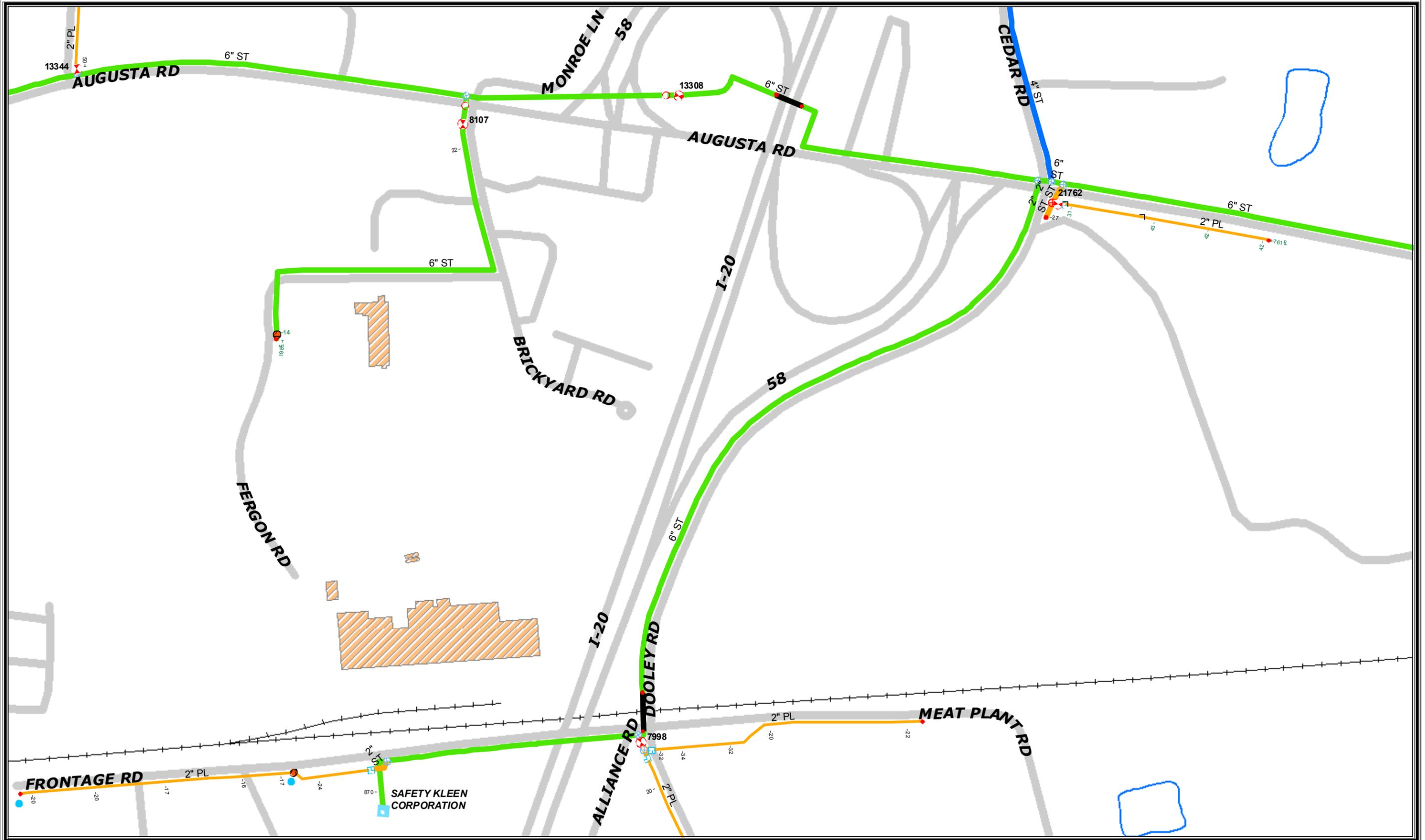
3 DAYS BEFORE DIGGING
IN SOUTH CAROLINA
CALL 811
OR 1-888-721-7877
PALMETTO UTILITY
PROTECTION SERVICE

DEVELOPER'S SIGNATURE BLOCK
Developer hereby approves this layout for construction. Any proposed change affecting this layout must be reported immediately to South Carolina Electric & Gas Company. All cost incurred in connection with any request change will be borne by Developer. Current SCE&G Co. overhead and underground policy at the time of construction will prevail. I hereby certify that I have the authority to approve this layout.
Original Approved By: _____ (signature) _____ (print name)
Title: _____ Date: _____

RIGHT OF WAY INFORMATION
R/W Agent _____
File Number _____
Easement No. _____
Coordinator _____
Electric Eng.-Tech _____
Gas Eng.-Tech _____



South Carolina Electric & Gas Co
Title: I-20 WIDENING OVERVIEW
AREA GAS MAP
Date: _____ Scale: 1 inch = 2,000 feet



This information for planning usage only and should not be considered exact. A SCE&G approved field inspection and locate is required.

| | |
|----------------------------------|--------------------------|
| South Carolina Electric & Gas Co | |
| Title: I-20 at US 1 AUGUSTA RD | |
| Date: | Scale: 1 inch = 300 feet |

1,157' Total Footage installed

GENERAL NOTES:

1.

KEYED NOTES:

①

SYMBOLS LEGEND

- | | | |
|-----------------------------|------------------------|----------------------|
| ● CAP | ⊕ ANODE | ⚠ SYSTEM ALARM |
| ○ PURGE NIPPLE | ⊞ RECTIFIER | ⊞ SQUEEZE POINT |
| ⊞ 90 DEGREE ELBOW | ⊞ INSULATOR | ⊞ CUT POINT |
| ⊞ 45 DEGREE ELBOW | ⊞ ANNUAL T. P. | ⊞ ROCK CHECK DAM |
| ⊞ LINE TEE | ⊞ MONTHLY T. P. | ⊞ ROCK SEDIMENT DIKE |
| ⊞ ELECTROFUSION COUPLING | ⊞ QUARTERLY T. P. | ⊞ SEDIMENT TUBE |
| ⊞ REDUCER | ⊞ TRACER WIRE T. P. | ⊞ EGB OR TRM |
| ⊞ TAPPING TEE | ⊞ CUSTOMER METER SET | ⊞ MILE POST (GAS) |
| ⊞ TRANSITION FTG | ⊞ CUSTOMER STN | ⊞ KEYED NOTE |
| ⊞ STOPPER FTG | ⊞ FARM TAP REG STN | ⊞ INTERSTATE HWY |
| ⊞ VALVE | ⊞ SYSTEM REG STN | ⊞ U.S. HWY |
| ⊞ OBSOLETE VALVE | ⊞ TOWN BORDER STN | ⊞ STATE HWY |
| ⊞ TRANSITION VALVE | ⊞ TRANSMISSION REG STN | ⊞ COUNTY HWY |
| ⊞ OBSOLETE TRANSITION VALVE | ⊞ H. P. SERVICE REG | ⊞ TRACT # |
| ⊞ GAS MARKER | | |

NOTE: EXISTING SYMBOLS ARE GRAYED OUT

LINE TYPE LEGEND

- | | |
|-------------------------------|--------------------------|
| — 6" EXISTING SERVICE | — OVERHEAD COMM. |
| — 1.250" EXISTING 1 1/4" MAIN | — OVERHEAD ELECTRIC |
| — 2" EXISTING 2" MAIN | — OVRHD UTILITY OTHER |
| — 3" EXISTING 3" MAIN | — UNDERGROUND COMM. |
| — 4" EXISTING 4" MAIN | — UNDERGRD ELECTRIC |
| — 6" EXISTING 6" MAIN | — DRAINAGE |
| — 8" EXISTING 8" MAIN | — FORCE MAIN |
| — 10" EXISTING 10" MAIN | — SEWER |
| — 12" EXISTING 12" MAIN | — STORM DRAIN |
| — 0" PROPOSED SERVICE | — WATER |
| — 1.250" PROPOSED 1 1/4" MAIN | — UNDERGRD UTILITY OTHER |
| — 2" PROPOSED 2" MAIN | — PAVEMENT/CONCRETE |
| — 3" PROPOSED 3" MAIN | — RAILROAD |
| — 4" PROPOSED 4" MAIN | — PROPERTY LINE |
| — 6" PROPOSED 6" MAIN | — OTHER BOUNDARY |
| — 8" PROPOSED 8" MAIN | — EXCAVATION BOUNDARY |
| — 10" PROPOSED 10" MAIN | — WETLAND BOUNDARY |
| — 12" PROPOSED 12" MAIN | — RETIRED MAIN |
| — RETIRED SERVICE | — RETIRED SERVICE |
| — FENCE | — FENCE |
| — SILT FENCE | — SILT FENCE |
| — TREELINE | — TREELINE |



Know what's below. Call before you dig.

PIPE SUMMARY

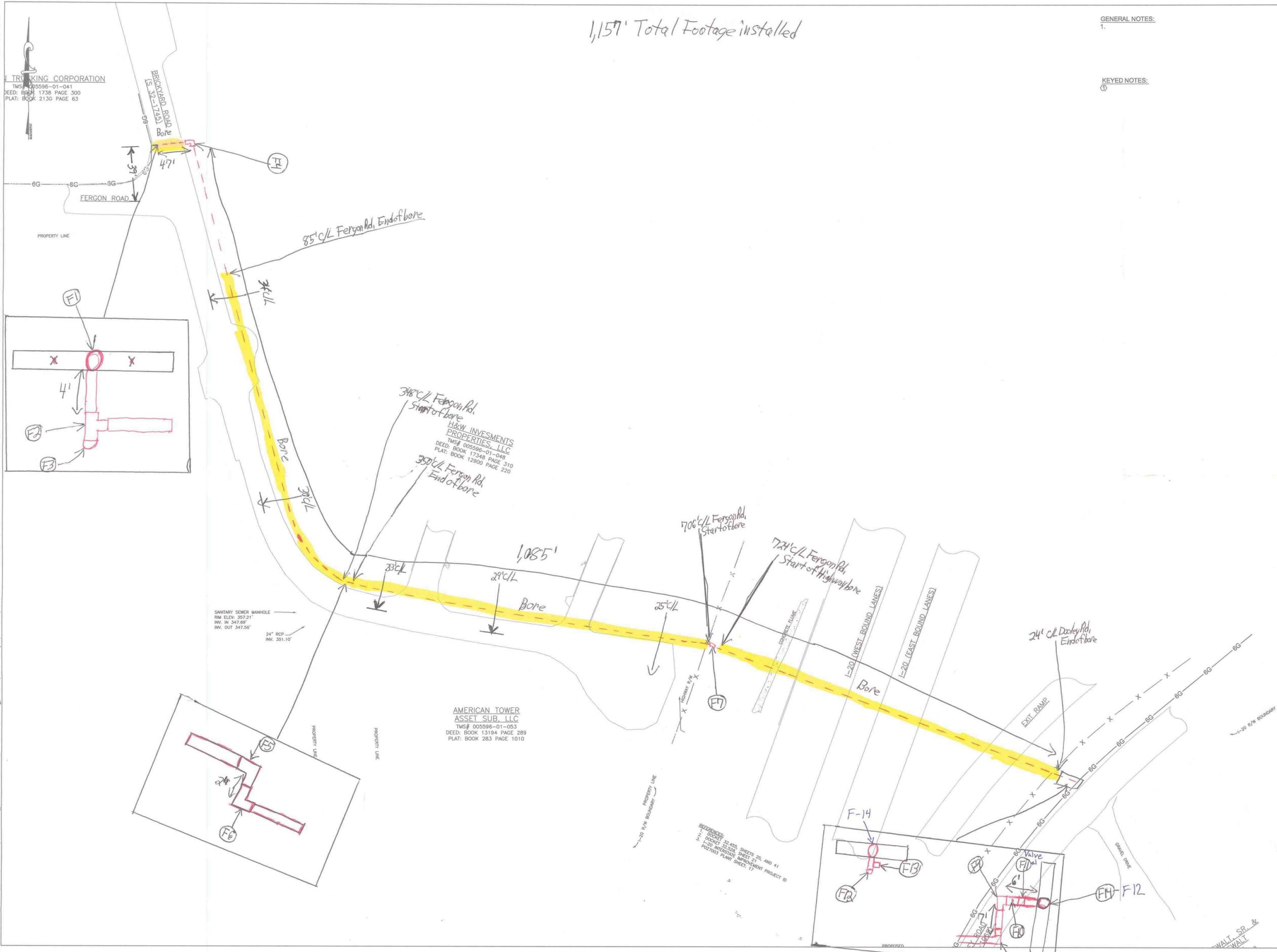
| | P-1 | P-2 | P-3 | P-4 |
|-------------|------------|-------------|-----|-----|
| SIZE: | 6 INCH | 6 INCH | | |
| LJD: | ERW | ERW | | |
| MATERIAL: | STEEL | STEEL | | |
| GRADE: | X-52 | X-52 | | |
| SPEC: | API-5L | API-5L | | |
| WALL / SDR: | 0.188" | 0.188" | | |
| COATING: | 16 MIL FBE | 16 MILS FBE | | |
| COATING: | | 20 MILS PWC | | |
| FOOTAGE: | EXISTING | 1200' | | |
| TEST PRESS: | 100-120 | 100-120 | | |
| DSGN PRESS: | 60 PSIG | 60 PSIG | | |
| MAOP: | 60 PSIG | 60 PSIG | | |

| | P-5 | P-6 | P-7 | P-8 |
|-------------|-----|-----|-----|-----|
| SIZE: | | | | |
| LJD: | | | | |
| MATERIAL: | | | | |
| GRADE: | | | | |
| SPEC: | | | | |
| WALL / SDR: | | | | |
| COATING: | | | | |
| COATING: | | | | |
| FOOTAGE: | | | | |
| TEST PRESS: | | | | |
| DSGN PRESS: | | | | |
| MAOP: | | | | |

| NO. | BY | REVISION | DATE | SCALE |
|-----|----|----------|----------|-------------------|
| 1 | | | | 1" = 40.00000125' |
| 2 | | | 11/11/17 | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |

PLAN "SAFETY" INTO EVERY JOB

PROJECT NAME: SCDDOT - 120 AT US 1 GMR
 DRAWING TYPE: BRICKYARD AS BUILT
 DIVISION: LEXINGTON PROJECT NO: 66366 WORK ORDER: 244652
 NOT RESPONSIBLE FOR ACCURACY



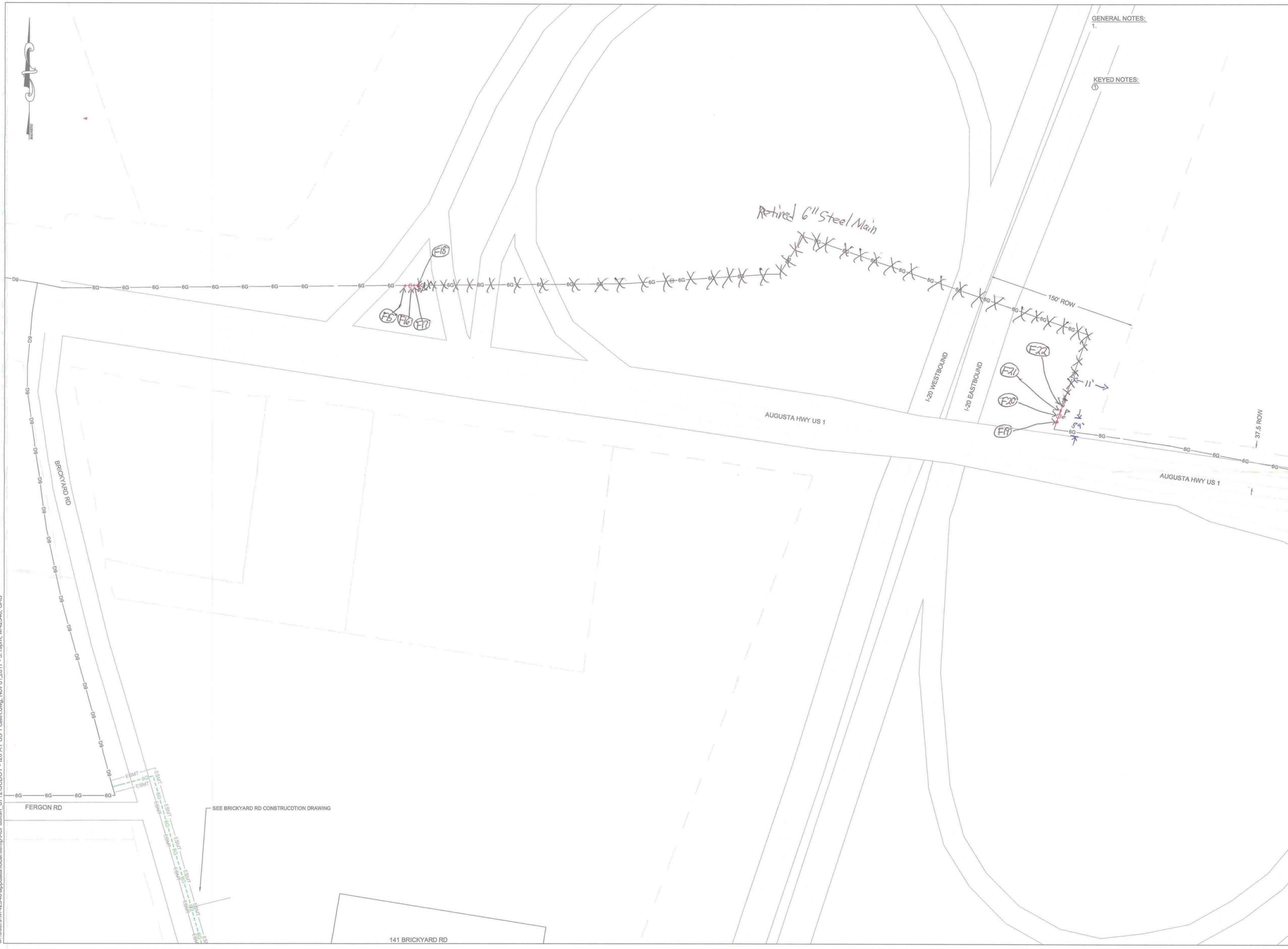
REFERENCES:
 1. DOKKY 32 ASS. SHEETS 26, AND 41
 2. DOKKY 32 ASS. SHEET 27
 3. L&L INTERSTATE IMPROVEMENT PROJECT 0
 4. P&W03 PLAT1 SHEET 17

C:\Users\w42546\appdata\local\temp\AcP\publish_671121SCDDOT - 120 AT US 1 GMR.dwg, Nov 01, 2017 - 3:19pm, w42546, GAS



GENERAL NOTES:
1.

KEYED NOTES:
①



SYMBOLS LEGEND

| | | |
|-----------------------------|------------------------|----------------------|
| ○ CAP | ○ ANODE | ⚡ SYSTEM ALARM |
| ○ PURGE NIPPLE | ⊕ RECTIFIER | ⊕ SQUEEZE POINT |
| ○ 90 DEGREE ELBOW | ○ INSULATOR | ⊕ CUT POINT |
| ○ 45 DEGREE ELBOW | △ ANNUAL T. P. | ⊕ ROCK CHECK DAM |
| ○ LINE TEE | ⊕ MONTHLY T. P. | ⊕ ROCK SEDIMENT DIKE |
| ○ ELECTROFUSION COUPLING | ⊕ QUARTERLY T. P. | ○ SEDIMENT TUBE |
| ○ REDUCER | ⊕ TRACER WIRE T. P. | ○ ECB OR TRM |
| ○ TAPPING TEE | ○ CUSTOMER METER SET | ○ MILE POST (GAS) |
| ○ TRANSITION FTG | ○ CUSTOMER STN | ○ KEYED NOTE |
| ○ STOPPER FTG | ○ FARM TAP REG STN | ○ INTERSTATE HWY |
| ○ VALVE | ○ SYSTEM REG STN | ○ U.S. HWY |
| ○ OBSOLETE VALVE | ○ TOWN BORDER STN | ○ STATE HWY |
| ○ TRANSITION VALVE | ○ TRANSMISSION REG STN | ○ COUNTY HWY |
| ○ OBSOLETE TRANSITION VALVE | ○ H. P. SERVICE REG | ○ TRACT # |
| ○ GAS MARKER | | |

NOTE: EXISTING SYMBOLS ARE GRAYED OUT

LINE TYPE LEGEND

| | |
|------------------------|-----------------------------|
| ○ EXISTING SERVICE | ○ OVERHEAD COMM. |
| ○ EXISTING 1 1/4" MAIN | ○ OVERHEAD ELECTRIC |
| ○ EXISTING 2" MAIN | ○ OVERHEAD UTILITY OTHER |
| ○ EXISTING 3" MAIN | ○ UNDERGROUND COMM. |
| ○ EXISTING 4" MAIN | ○ UNDERGROUND ELECTRIC |
| ○ EXISTING 6" MAIN | ○ DRAINAGE |
| ○ EXISTING 8" MAIN | ○ FORCE MAIN |
| ○ EXISTING 10" MAIN | ○ SEWER |
| ○ EXISTING 12" MAIN | ○ STORM DRAIN |
| ○ PROPOSED SERVICE | ○ WATER |
| ○ PROPOSED 1 1/4" MAIN | ○ UNDERGROUND UTILITY OTHER |
| ○ PROPOSED 2" MAIN | ○ PAVEMENT/CONCRETE |
| ○ PROPOSED 4" MAIN | ○ RAILROAD |
| ○ PROPOSED 6" MAIN | ○ PROPERTY LINE |
| ○ PROPOSED 8" MAIN | ○ OTHER BOUNDARY |
| ○ PROPOSED 10" MAIN | ○ EXCAVATION BOUNDARY |
| ○ PROPOSED 12" MAIN | ○ WETLAND BOUNDARY |
| ○ RETIRED MAIN | ○ GAS EASEMENT |
| ○ RETIRED SERVICE | ○ NON-GAS RIGHT-OF-WAY |
| ○ FENCE | ○ CENTERLINE |
| ○ SILT FENCE | ○ MATCHLINE |
| ○ TREELINE | |



PIPE SUMMARY

| | P-1 | P-2 | P-3 | P-4 |
|-------------|------------|-------------|-----|-----|
| SIZE: | 6 INCH | 6 INCH | | |
| LJD: | ERW | ERW | | |
| MATERIAL: | STEEL | STEEL | | |
| GRADE: | X-52 | X-52 | | |
| SPEC: | API-5L | API-5L | | |
| WALL / SDR: | 0.188" | 0.188" | | |
| COATING: | 16 MIL FBE | 16 MIL FBE | | |
| COATING: | | 20 MILS PWC | | |
| FOOTAGE: | EXISTING | 1200' | | |
| TEST PRESS: | 100-120 | 100-120 | | |
| DSGN PRESS: | 60 PSIG | 60 PSIG | | |
| MAOP: | 60 PSIG | 60 PSIG | | |

| | P-5 | P-6 | P-7 | P-8 |
|-------------|-----|-----|-----|-----|
| SIZE: | | | | |
| LJD: | | | | |
| MATERIAL: | | | | |
| GRADE: | | | | |
| SPEC: | | | | |
| WALL / SDR: | | | | |
| COATING: | | | | |
| COATING: | | | | |
| FOOTAGE: | | | | |
| TEST PRESS: | | | | |
| DSGN PRESS: | | | | |
| MAOP: | | | | |

| NO. | BY | REVISION | DATE | SCALE |
|-----|----|----------|------------------|--------------------|
| 1 | | | | 1" = 50,000,00141' |
| 2 | | | 11/1/17 | |
| 3 | | | WJR RPJ RPJ | |
| 4 | | | 2 OF 2 | |
| 5 | | | PROJECT LOCATION | |
| 6 | | | LEXINGTON, SC | |
| 7 | | | 42120 | |
| 8 | | | 0945 | |
| 9 | | | | |

PLAN "SAFETY" INTO EVERY JOB

A SCANA COMPANY

PROJECT NAME: SCDOT - I20 AT US 1 GMR

DRAWING TYPE: I-20 RETIREMENT AS BUILT

DATE: 11/1/17

DRAWN BY: WJR | RPJ | RPJ

CHECKED BY: 2 OF 2

PROJECT LOCATION: LEXINGTON, SC

DATE PLOTTED: 11/1/17

COPY CENTER: 42120

SCALE: 0945

NOT RESPONSIBLE FOR ACCURACY

C:\Users\w42546\appdata\local\temp\AcPublish_67121SCDDOT - I20 AT US 1 GMR.dwg, Nov 01 2017 - 3:19pm, w42546, GAS

SEE BRICKYARD RD CONSTRUCTION DRAWING

141 BRICKYARD RD

WILSON TRUCKING CORPORATION
 TMS# 005596-01-041
 DEED: BOOK 1738 PAGE 300
 PLAT: BOOK 2136 PAGE 63



- GENERAL NOTES:
 1. INSTALL GAS MAIN VIA OPEN CUT METHOD AT A MINIMUM DEPTH OF 36" AND MAXIMUM DEPTH OF 48".
 2. INSTALL GAS MAIN VIA HDD METHOD UNDER ALL PAVED ROADS AND DRIVEWAYS AT A MINIMUM DEPTH OF 48".
 3. DO NOT INSTALL GAS MAIN IN AREA THAT CONFLICTS WITH PROPOSED SCDOT DRAINAGE STRUCTURES.

SYMBOLS LEGEND

| | | |
|--------------------------|-----------------------------|-------------------|
| ● CAP | ● ANODE | ● SYSTEM ALARM |
| ○ PURGE NIPPLE | ⊕ RECTIFIER | ⊕ SQUEEZE POINT |
| ⊕ 90 DEGREE ELBOW | ⊕ INSULATOR | ⊕ CUT POINT |
| ⊕ 45 DEGREE ELBOW | ⊕ ANNUAL T. P. | ⊕ ROCK CHECK DAM |
| ⊕ LINE TEE | ⊕ MONTHLY T. P. | ⊕ ROCK SEDIMENT |
| ⊕ ELECTROFUSION COUPLING | ⊕ QUARTERLY T. P. | ⊕ DIKE |
| ⊕ REDUCER | ⊕ TRACER WIRE T. P. | ⊕ SEDIMENT TUBE |
| ⊕ TAPPING TEE | ⊕ CUSTOMER METER SET | ⊕ ECB OR TRM |
| ⊕ TRANSITION FTG | ⊕ CUSTOMER STN | ⊕ MILE POST (GAS) |
| ⊕ STOPPER FTG | ⊕ FARM TAP REG STN | ⊕ KEYED NOTE |
| ⊕ VALVE | ⊕ SYSTEM REG STN | ⊕ INTERSTATE HWY |
| ⊕ OBSOLETE VALVE | ⊕ OBSOLETE TRANSITION VALVE | ⊕ U.S. HWY |
| ⊕ TRANSITION VALVE | ⊕ OBSOLETE TRANSITION VALVE | ⊕ STATE HWY |
| ⊕ GAS MARKER | ⊕ H. P. SERVICE REG | ⊕ COUNTY HWY |
| | | ⊕ TRACT # |

NOTE: EXISTING SYMBOLS ARE GRAYED OUT

LINE TYPE LEGEND

| | |
|-------------------------------|-------------------------------|
| — 0 — EXISTING SERVICE | — 00 — OVERHEAD COMM. |
| — 1.25 — EXISTING 1 1/4" MAIN | — 0E — OVERHEAD ELECTRIC |
| — 2 — EXISTING 2" MAIN | — 0U — OVERHEAD UTILITY OTHER |
| — 3 — EXISTING 3" MAIN | — 0D — UNDERGROUND COMM. |
| — 4 — EXISTING 4" MAIN | — 0E — UNDERGRD ELECTRIC |
| — 6 — EXISTING 6" MAIN | — 0 — DRAINAGE |
| — 8 — EXISTING 8" MAIN | — FM — FORCE MAIN |
| — 10 — EXISTING 10" MAIN | — S — SEWER |
| — 12 — EXISTING 12" MAIN | — SD — STORM DRAIN |
| — 0 — PROPOSED SERVICE | — W — WATER |
| — 1.25 — PROPOSED 1 1/4" MAIN | — 0U — UNDERGRD UTILITY OTHER |
| — 2 — PROPOSED 2" MAIN | — 0C — PAVEMENT/CONCRETE |
| — 3 — PROPOSED 3" MAIN | — RR — RAILROAD |
| — 4 — PROPOSED 4" MAIN | — PL — PROPERTY LINE |
| — 6 — PROPOSED 6" MAIN | — OB — OTHER BOUNDARY |
| — 8 — PROPOSED 8" MAIN | — WB — WETLAND BOUNDARY |
| — 10 — PROPOSED 10" MAIN | — EB — EXCAVATION BOUNDARY |
| — 12 — PROPOSED 12" MAIN | — WB — WETLAND BOUNDARY |
| — 0 — RETIRED MAIN | — ESMT — GAS EASEMENT |
| — 0 — RETIRED SERVICE | — NGS — NON-GAS RIGHT-OF-WAY |
| — 0 — FENCE | — CL — CENTERLINE |
| — 0 — SILT FENCE | — ML — MATCHLINE |
| — 0 — TREELINE | |



PIPE SUMMARY

| | P-1 | P-2 | P-3 | P-4 |
|-------------|-----------------|-----------------|-----------------|-----------------|
| SIZE: | 6" | 6 INCH | 6 INCH | 6 INCH |
| LJD: | ERW | ERW | ERW | ERW |
| MATERIAL: | STEEL | STEEL | STEEL | STEEL |
| GRADE: | X - 52 | X - 52 | X - 52 | X - 52 |
| SPEC: | API - 5L | API - 5L | API - 5L | API - 5L |
| WALL / SDR: | 0.188" / 0.188" | 0.188" / 0.188" | 0.188" / 0.188" | 0.188" / 0.188" |
| COATING: | 16 MIL FBE | 16 MIL FBE | 16 MIL FBE | 16 MIL FBE |
| COATING: | 20 MIL PWC | 20 MIL PWC | 20 MIL PWC | 20 MIL PWC |
| FOOTAGE: | EXISTING | 400' | 760' | |
| TEST PRESS: | | 100-120 | 100-120 | |
| DSGN PRESS: | | 60 PSIG | 60 PSIG | |
| MAOP: | 60 PSIG | 60 PSIG | 60 PSIG | |

| | P-5 | P-6 | P-7 | P-8 |
|-------------|-----|-----|-----|-----|
| SIZE: | | | | |
| LJD: | | | | |
| MATERIAL: | | | | |
| GRADE: | | | | |
| SPEC: | | | | |
| WALL / SDR: | | | | |
| COATING: | | | | |
| COATING: | | | | |
| FOOTAGE: | | | | |
| TEST PRESS: | | | | |
| DSGN PRESS: | | | | |
| MAOP: | | | | |

| NO. | BY | REVISION | DATE | SCALE |
|-----|----|----------|------|-------------------|
| 1 | | | | 1" = 40.00000083' |
| 2 | | | | 7/6/17 |
| 3 | | | | WJR RPJ RPJ |
| 4 | | | | 1 OF 2 |
| 5 | | | | LEXINGTON, SC |
| 6 | | | | 0945 |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |

PLAN SAFETY INTO EVERY JOB

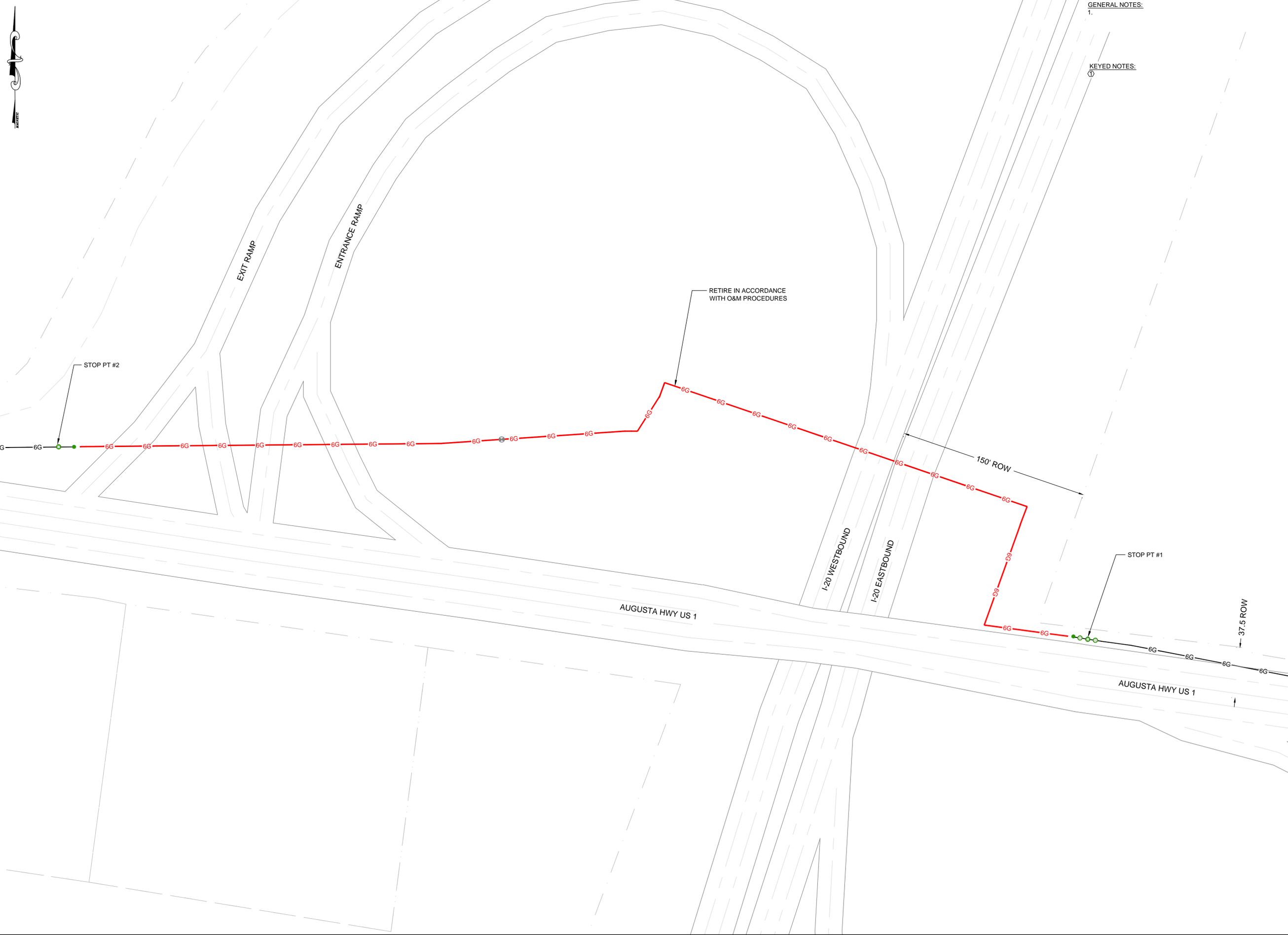
A SCANA COMPANY

PROJECT NAME: SCDOT - I20 AT US 1 GMR PERMIT DRAWING
 DRAWING TYPE: I-20 HDD AT BRICKYARD RD
 PROJECT NO: 66366
 SHEET NO: 244652

NOT RESPONSIBLE FOR ACCURACY

C:\Users\w42546\appdata\local\temp\p4p\publish_2120\SCDOT - I20 AT US 1 GMR PERMIT DRAWING.dwg, Jul 07 2017 - 2:39pm, w42546, GAS

C:\Users\w42546\appdata\local\temp\AcPublish_2120\SCDOT - I20 AT US 1 GMR PERMIT DRAWING.dwg, Jul 07 2017 - 2:33pm, w42546, GAS



GENERAL NOTES:
1.

KEYED NOTES:
①

SYMBOLS LEGEND

| | | |
|-----------------------------|------------------------|----------------------|
| ● CAP | ▲ ANODE | ⚡ SYSTEM ALARM |
| ○ PURGE NIPPLE | ⊕ RECTIFIER | ⚡ SQUEEZE POINT |
| ⊕ 90 DEGREE ELBOW | ⊕ INSULATOR | ⚡ CUT POINT |
| ⊕ 45 DEGREE ELBOW | ▲ ANNUAL T. P. | ⚡ ROCK CHECK DAM |
| ⊕ LINE TEE | ⊕ MONTHLY T. P. | ⚡ ROCK SEDIMENT DIKE |
| ⊕ ELECTROFUSION COUPLING | ⊕ QUARTERLY T. P. | ⚡ SEDIMENT TUBE |
| ⊕ REDUCER | ⊕ TRACER WIRE T. P. | ⚡ ECB OR TRM |
| ⊕ TAPPING TEE | ⊕ CUSTOMER METER SET | ⊕ MILE POST (GAS) |
| ⊕ TRANSITION FTG | ⊕ CUSTOMER STN | ⊕ KEYED NOTE |
| ⊕ STOPPER FTG | ⊕ FARM TAP REG STN | ⊕ INTERSTATE HWY |
| ⊕ VALVE | ⊕ SYSTEM REG STN | ⊕ U.S. HWY |
| ⊕ OBSOLETE VALVE | ⊕ TOWN BORDER STN | ⊕ STATE HWY |
| ⊕ OBSOLETE TRANSITION VALVE | ⊕ TRANSMISSION REG STN | ⊕ COUNTY HWY |
| ⊕ OBSOLETE TRANSITION VALVE | ⊕ H. P. SERVICE REG | ⊕ TRACT # |

NOTE: EXISTING SYMBOLS ARE GRAYED OUT

LINE TYPE LEGEND

| | |
|--------------------------------|-------------------------------|
| — 0 — EXISTING SERVICE | — 00 — OVERHEAD COMM. |
| — 1.250 — EXISTING 1 1/4" MAIN | — 0E — OVERHEAD ELECTRIC |
| — 2 — EXISTING 2" MAIN | — 0U — OVERHEAD UTILITY OTHER |
| — 3 — EXISTING 3" MAIN | — 0G — UNDERGROUND COMM. |
| — 4 — EXISTING 4" MAIN | — 0E — UNDERGRD ELECTRIC |
| — 6 — EXISTING 6" MAIN | — 0D — DRAINAGE |
| — 8 — EXISTING 8" MAIN | — 0F — FORCE MAIN |
| — 10 — EXISTING 10" MAIN | — 0S — SEWER |
| — 12 — EXISTING 12" MAIN | — 0W — STORM DRAIN |
| — 0 — PROPOSED SERVICE | — 0W — WATER |
| — 1.250 — PROPOSED 1 1/4" MAIN | — 0U — UNDERGRD UTILITY OTHER |
| — 2 — PROPOSED 2" MAIN | — 0C — PAVEMENT/CONCRETE |
| — 3 — PROPOSED 3" MAIN | — 0R — RAILROAD |
| — 4 — PROPOSED 4" MAIN | — 0P — PROPERTY LINE |
| — 6 — PROPOSED 6" MAIN | — 0B — OTHER BOUNDARY |
| — 8 — PROPOSED 8" MAIN | — 0E — EXCAVATION BOUNDARY |
| — 10 — PROPOSED 10" MAIN | — 0W — WETLAND BOUNDARY |
| — 12 — PROPOSED 12" MAIN | — 0G — GAS EASEMENT |
| — 0 — RETIRED MAIN | — 0N — NON-GAS RIGHT-OF-WAY |
| — 0 — RETIRED SERVICE | — 0C — CENTERLINE |
| — 0 — FENCE | — 0M — MATCHLINE |
| — 0 — SILT FENCE | |
| — 0 — TREELINE | |



PIPE SUMMARY

| | P - 1 | P - 2 | P - 3 | P - 4 |
|-------------|------------|-------------|-------------|--------|
| SIZE: | 6" | 6 INCH | 6 INCH | 6 INCH |
| LJD: | ERW | ERW | ERW | |
| MATERIAL: | STEEL | STEEL | STEEL | |
| GRADE: | X - 52 | X - 52 | X - 52 | |
| SPEC: | API - 5L | API - 5L | API - 5L | |
| WALL / SDR: | 0.188" | 0.188" | 0.188" | |
| COATING: | 16 MIL FBE | 16 MILS FBE | 16 MILS FBE | |
| COATING: | | 20 MILS PWC | | |
| FOOTAGE: | EXISTING | 400' | 760' | |
| TEST PRESS: | | 100-120 | 100-120 | |
| DSGN PRESS: | | 60 PSIG | 60 PSIG | |
| MAOP: | 60 PSIG | 60 PSIG | 60 PSIG | |

| | P - 5 | P - 6 | P - 7 | P - 8 |
|-------------|-------|-------|-------|-------|
| SIZE: | | | | |
| LJD: | | | | |
| MATERIAL: | | | | |
| GRADE: | | | | |
| SPEC: | | | | |
| WALL / SDR: | | | | |
| COATING: | | | | |
| FOOTAGE: | | | | |
| TEST PRESS: | | | | |
| DSGN PRESS: | | | | |
| MAOP: | | | | |

| NO. | BY | REVISION | DATE | APPROVAL |
|-----|----|----------|------|---------------------------------|
| 1 | | | | DATE: 7/6/17 |
| 2 | | | | DESIGNER: WJR |
| 3 | | | | CHECKER: RPJ |
| 4 | | | | APPROVER: RPJ |
| 5 | | | | SHEET: 2 OF 2 |
| 6 | | | | PROJECT LOCATION: LEXINGTON, SC |
| 7 | | | | GIS MAP PAGE #: 1 |
| 8 | | | | PORT CENTER #: 0945 |
| 9 | | | | REVISION #: |

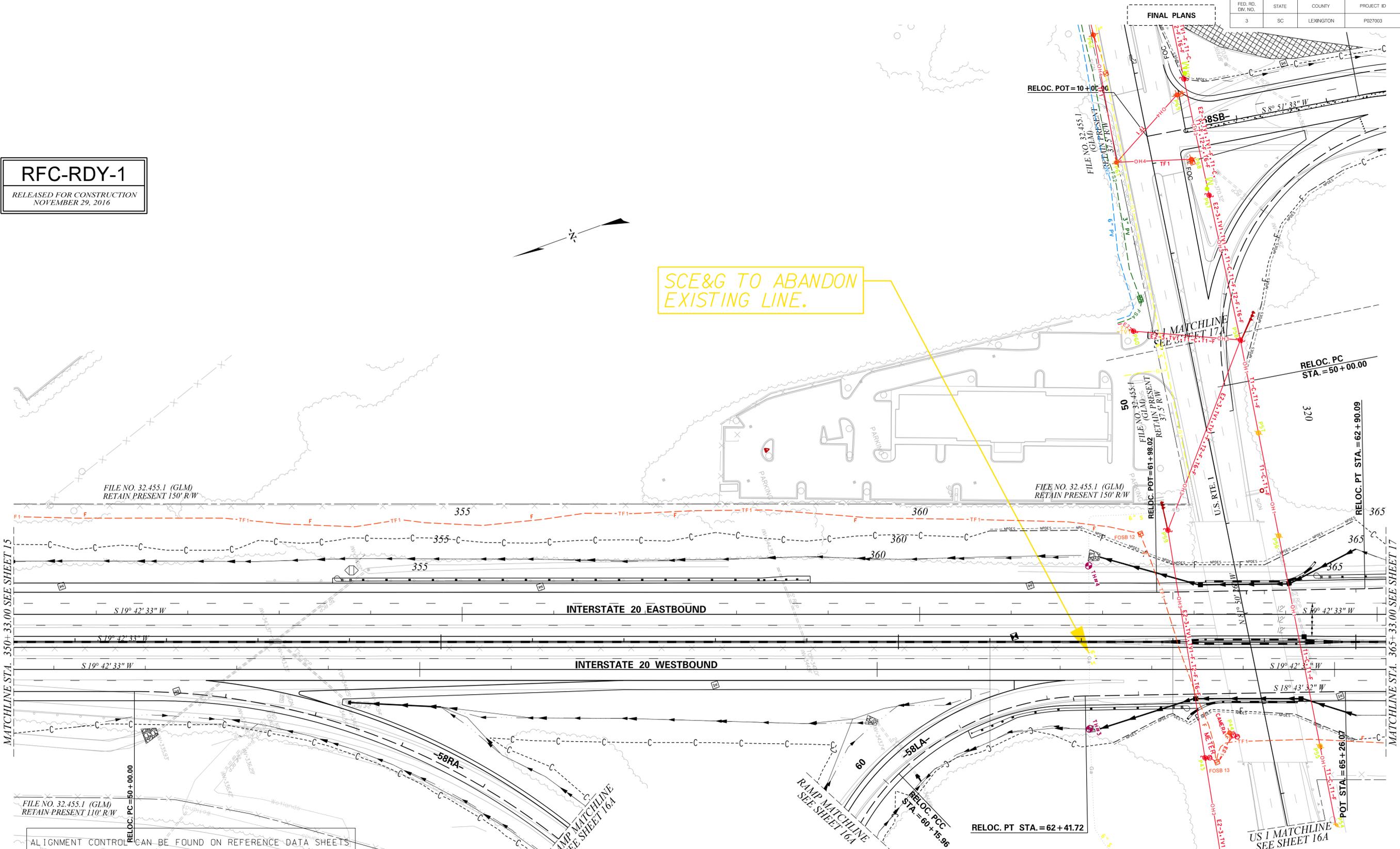
PLAN SAFETY INTO EVERY JOB

PROJECT NAME: SCDOT - I20 AT US 1 GMR PERMIT DRAWING
DRAWING TYPE: I-20 RETIREMENT
DIVISION/DISTRICT: LEXINGTON/CENTRAL 66366
PROJECT ID: 244652
WORK ORDER #

NOT RESPONSIBLE FOR ACCURACY

RFC-RDY-1
RELEASED FOR CONSTRUCTION
NOVEMBER 29, 2016

SCE&G TO ABANDON EXISTING LINE.



MATCHLINE STA. 350+33.00 SEE SHEET 15

MATCHLINE STA. 365+33.00 SEE SHEET 17

THE 3 12' LANES ARE PARALLEL TO THE 60' TAPER DURING 0.5' MEDIAN TAPER

FILE NO. 32.455.1 (GLM)
RETAIN PRESENT 110' R/W

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE DATA SHEETS

RFC-RDY-1R2
RELEASED FOR CONSTRUCTION
MAY 23, 2017



PRELIMINARY
NOT FOR CONSTRUCTION
FOR INFORMATION ONLY

| REV. NO. | BY | DATE | DESCRIPTION OF REVISION |
|----------|----|------|-------------------------|
| 7 | | | |
| 6 | | | |
| 5 | | | |
| 4 | | | |
| 3 | | | |
| 2 | | | |
| 1 | | | |

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION
COLUMBIA, SC

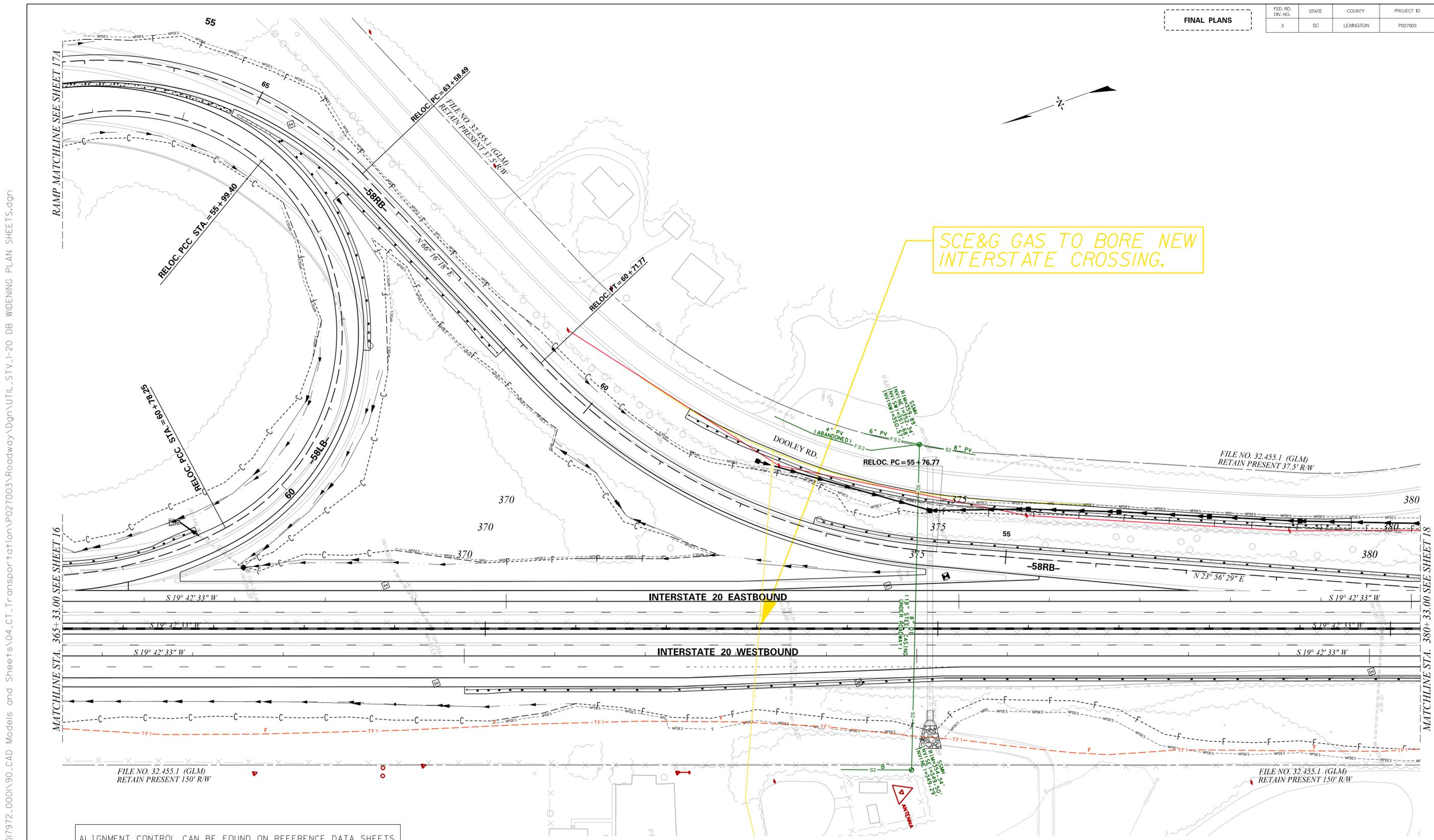
**I-20 (MM 49 - MM 60)
WIDENING AND REHABILITATION
UTILITY COORDINATION PLANS**

SCALE: 1" = 50' RTE. I-20 DWG. NO.

I:\Projects\4017972\4017972_000\90_CAD Models and Sheets\04_CT_Transportation\P027003\Roadway\UTIL_STV_I-20_DB WIDENING PLAN SHEETS.dgn 7/17/2017

| | | | | | |
|-------------------|-------|-----------|------------|------------------|-----------|
| FED. RD. DIV. NO. | STATE | COUNTY | PROJECT ID | ROAD / ROUTE NO. | SHEET NO. |
| 3 | SC | LEXINGTON | P027003 | INTERSTATE 20 | U17 |

FINAL PLANS



SCE&G GAS TO BORE NEW INTERSTATE CROSSING.

I:\Projects\4017972\4017972.000\90-CAD Models and Sheets\04-CT_Transportation\P027003\Roadway\UTIL_STV_I-20_DB WIDENING PLAN SHEETS.dgn 7/17/2017

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE DATA SHEETS

RFC-RDY-1R2
RELEASED FOR CONSTRUCTION
MAY 23, 2017



PRELIMINARY
NOT FOR CONSTRUCTION
FOR INFORMATION ONLY

| | | | | |
|----------|----|------|-------------------------|--|
| 7 | | | | |
| 6 | | | | |
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| 4 | | | | |
| 3 | | | | |
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| 1 | | | | |
| REV. NO. | BY | DATE | DESCRIPTION OF REVISION | |

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION
COLUMBIA, SC

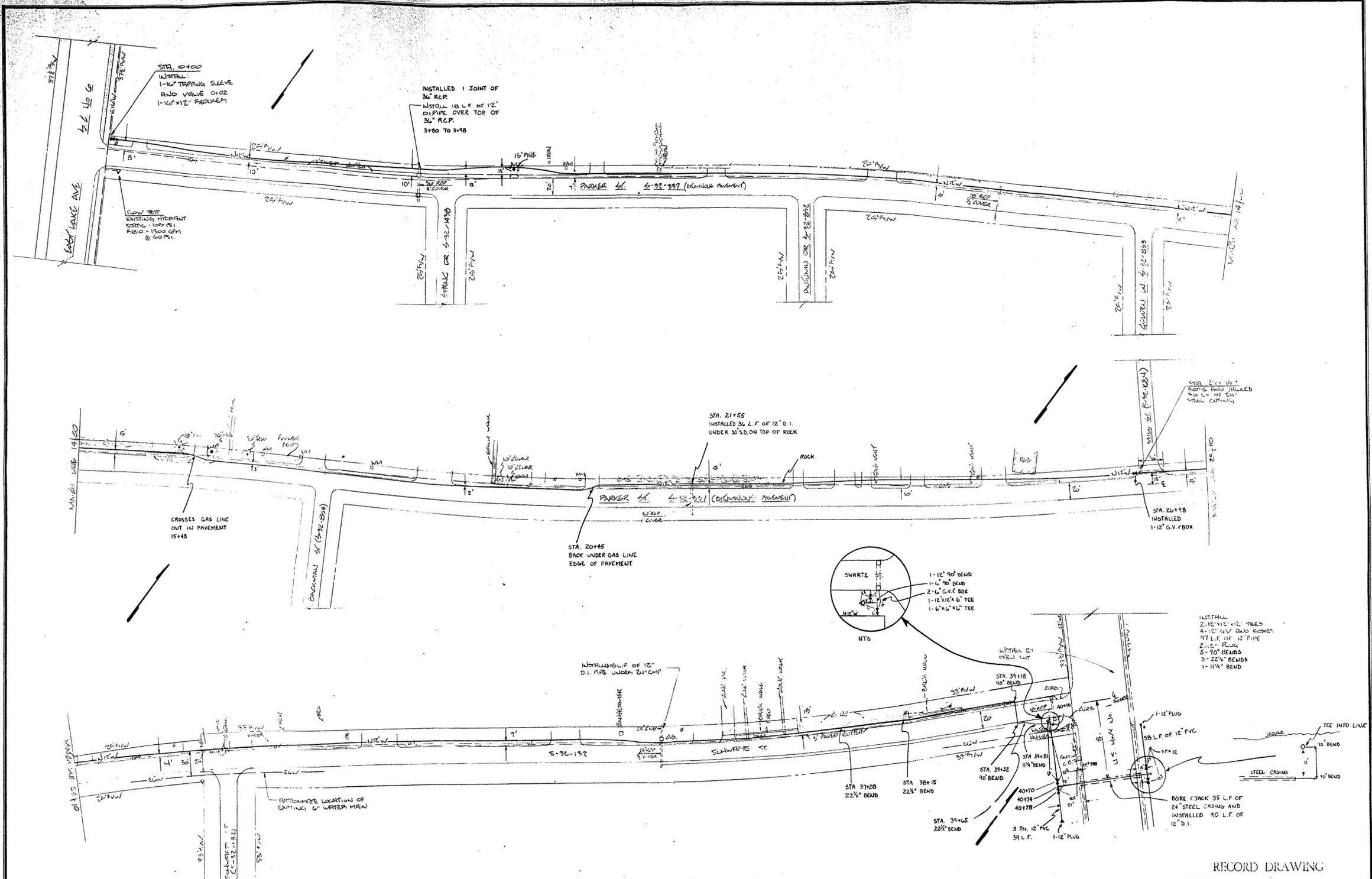
**I-20 (MM 49 - MM 60)
WIDENING AND REHABILITATION
UTILITY COORDINATION PLANS**

SCALE: 1" = 50' RTE. I-20 DWG. NO.

**SCDOT US-1 OVER I-20
DESIGN BUILD**



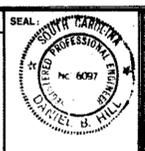
**Town of Lexington Utilities Water
and Sewer As-Builts**



RECORD DRAWING

| REVISIONS | | | |
|-----------|-------------|------|----|
| LOCATION | DESCRIPTION | DATE | BY |
| | | | |
| | | | |
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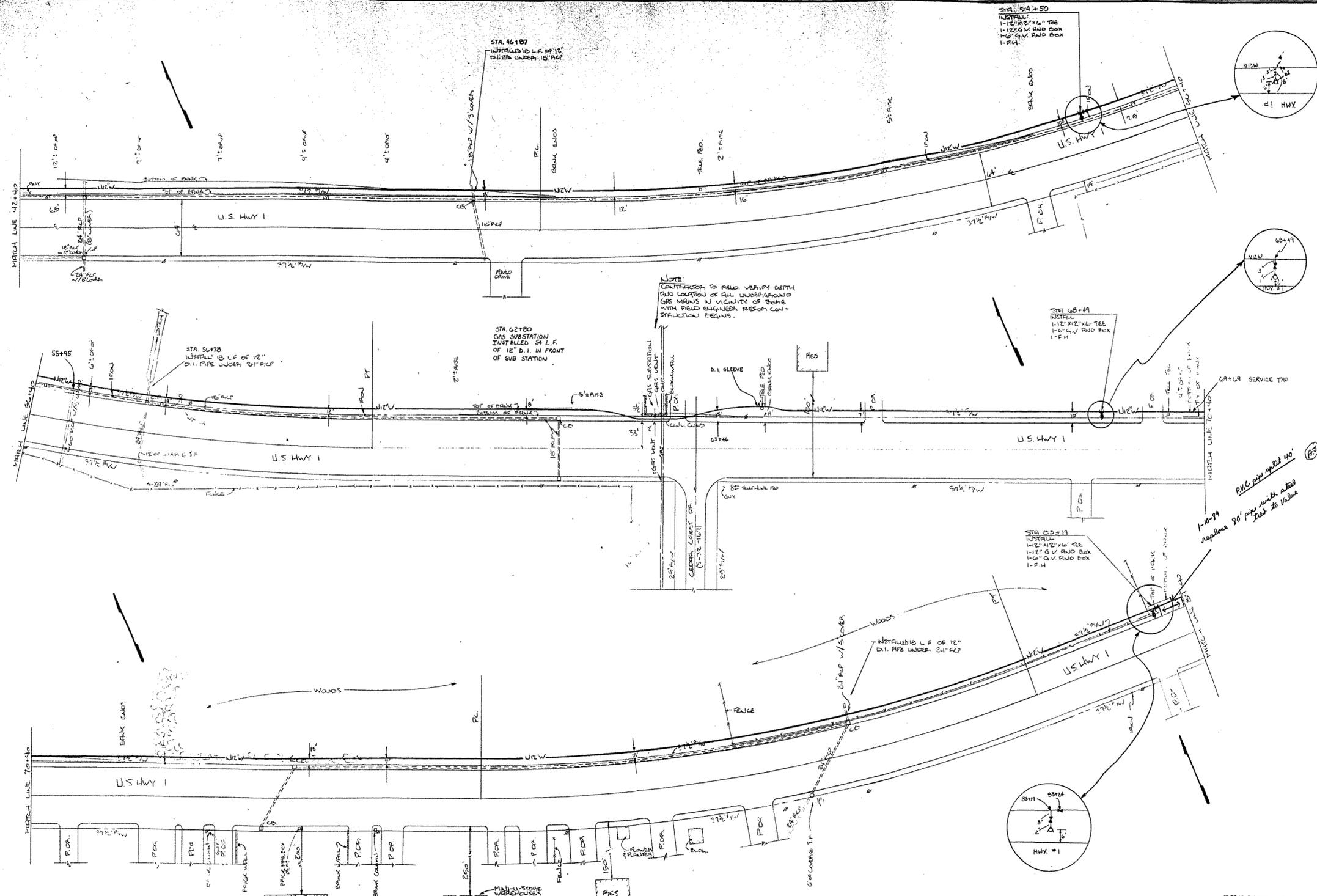
| APPROVALS | | | |
|-----------|----|-----|-------------|
| DATE | BY | APR | DESCRIPTION |
| | | | |



PROJECT
 IMPROVEMENTS TO
 WATER DISTRIBUTION SYSTEM
 FOR
 TOWN OF LEXINGTON, S.C.
 LEXINGTON COUNTY SOUTH CAROLINA

SHEET TITLE
 12" WATER MAIN
 D2-12
 SCALE: 1" = 50'
 DATE: JANUARY, 1986

| | |
|----------|----------|
| SHEET | 1 |
| OF | 4 |
| REF. | |
| N.B. NO. | |
| FILE NO. | 22-29-23 |



NOTE:
 CONTRACTOR TO FIELD VERIFY DEPTH
 AND LOCATION OF ALL UNDERGROUND
 GAS MAINS IN VICINITY OF BONE
 WITH FIELD ENGINEER BEFORE CON-
 STRUCTION BEGINS.

110-99
 replace 90' pipe with 40' PVC pipe @ 24' dia
 per 25 Value

| REVISIONS | | | | | |
|-----------|-------------|------|----|-----|----------|
| LOCATION | DESCRIPTION | DATE | BY | APP | LOCATION |
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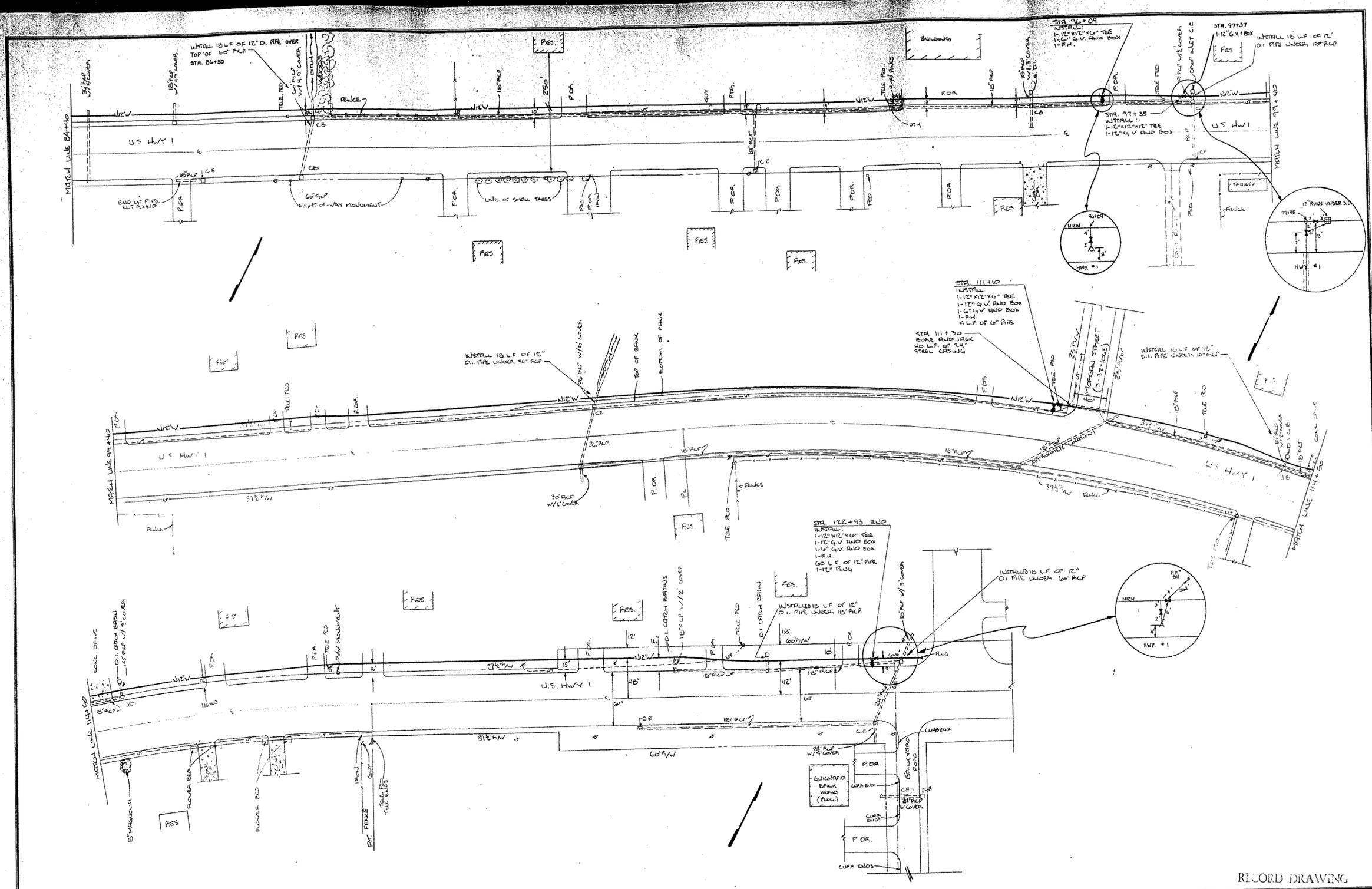
| APPROVALS | | | | | |
|--------------|-------------|----------|------------|-------------|------|
| PROJECT ENGR | DESIGNED BY | DRAWN BY | CHECKED BY | APPROVED BY | DATE |
| DBH | TGS | TGS | DBH | DBH | |



PROJECT
 IMPROVEMENTS TO
 WATER DISTRIBUTION SYSTEM
 FOR
 TOWN OF LEXINGTON, S.C.
 LEXINGTON COUNTY SOUTH CAROLINA

SHEET TITLE
 12" WATER MAIN
 D2-12
 SCALE: 1" = 30'
 DATE: JANUARY, 1986

RECORD DRAWING
 SHEET 2
 OF 4
 REF.
 N.B. NO.
 FILE NO.
 22-29-23

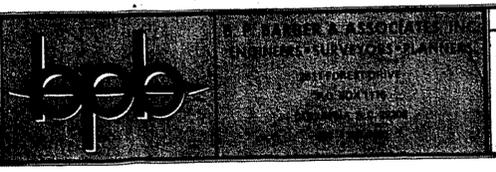
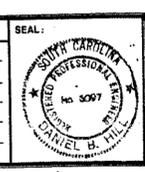


RECORD DRAWING

| REVISIONS | | | | | |
|-----------|-------------|------|----|-----|----------|
| LOCATION | DESCRIPTION | DATE | BY | APP | LOCATION |
| | | | | | |
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APPROVALS

PROJECT ENGR : DBH
 DESIGNED BY : TGS
 DRAWN BY : TGS
 CHECKED BY : DBH
 APPROVED BY : DBH



PROJECT

IMPROVEMENTS TO
 WATER DISTRIBUTION SYSTEM
 FOR
 TOWN OF LEXINGTON, S.C.

LEXINGTON COUNTY SOUTH CAROLINA

SHEET TITLE

12" WATER MAIN

SCALE: 1"=50'

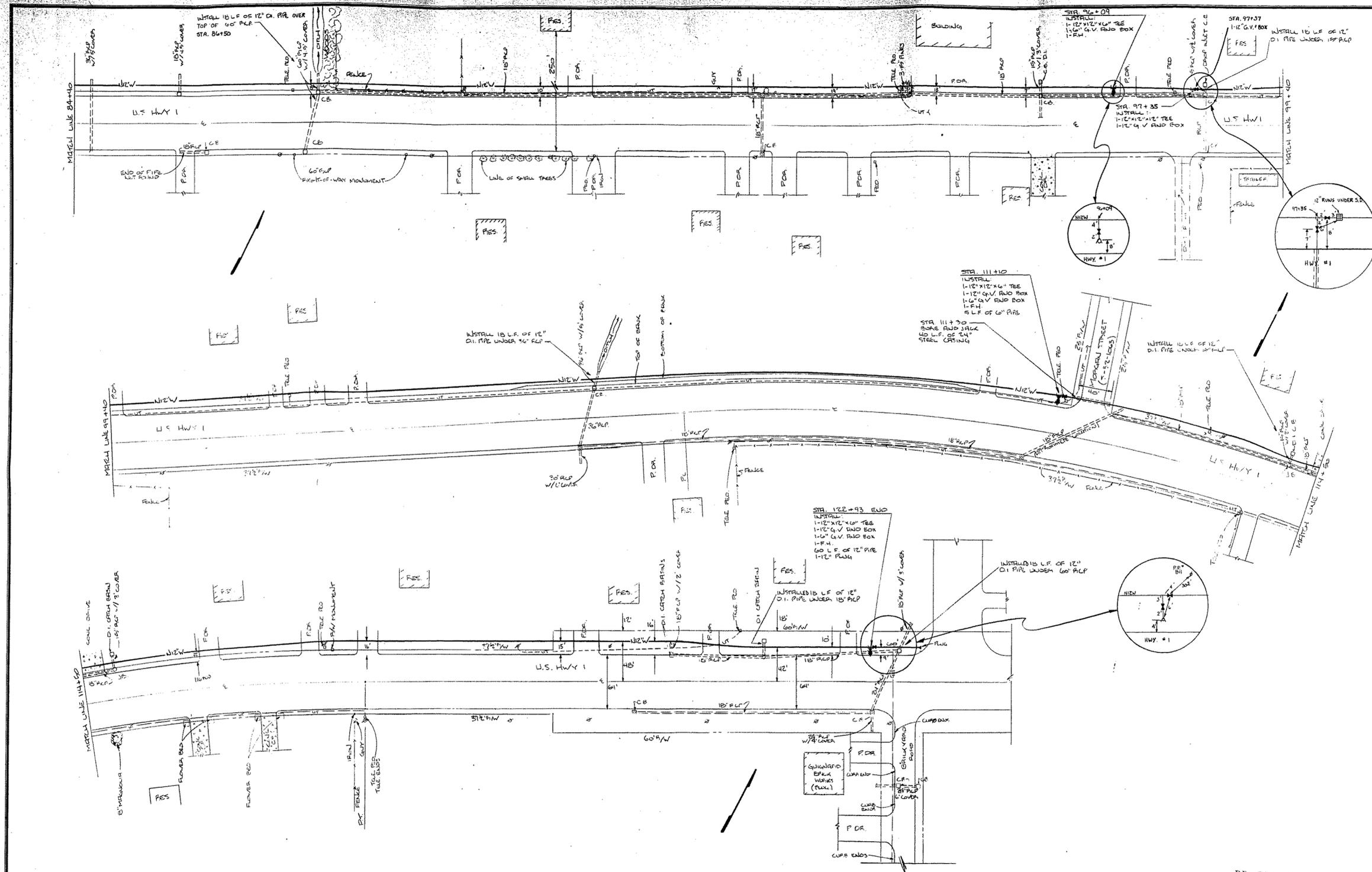
DATE: JANUARY, 1988

SHEET 3 OF 4

REF.

N.B. NO.

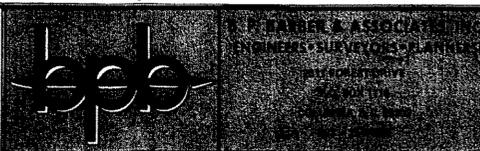
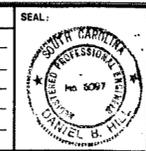
FILE NO. 22-29-23



RECORD DRAWING

| REVISIONS | | | | | |
|-----------|-------------|------|----|-----|----------|
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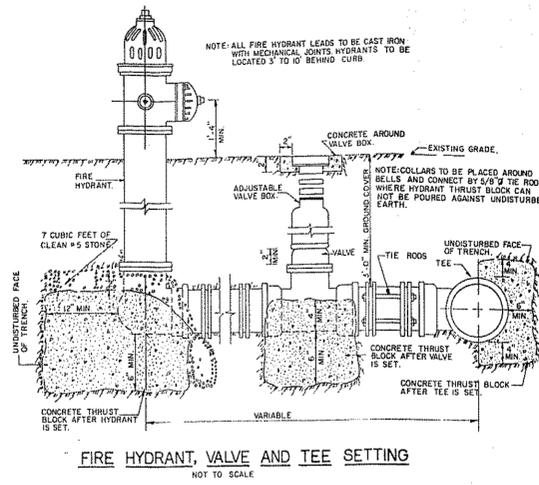
| APPROVALS | | | | | |
|--------------|-------------|----------|------------|-------------|------|
| PROJECT ENGR | DESIGNED BY | DRAWN BY | CHECKED BY | APPROVED BY | DATE |
| DBH | IGS | IGS | DBH | DBH | |



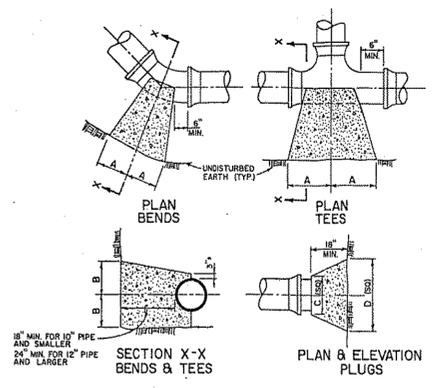
PROJECT
 IMPROVEMENTS TO
 WATER DISTRIBUTION SYSTEM
 FOR
 TOWN OF LEXINGTON, S.C.
 LEXINGTON COUNTY SOUTH CAROLINA

SHEET TITLE
 12" WATER MAIN
 D2-12
 SCALE: 1"=50'
 DATE: JANUARY, 1986

| | |
|----------|----------|
| SHEET | 3 |
| OF | 4 |
| REF. | |
| N.B. NO. | |
| FILE NO. | 22-29-23 |



FIRE HYDRANT, VALVE AND TEE SETTING
NOT TO SCALE

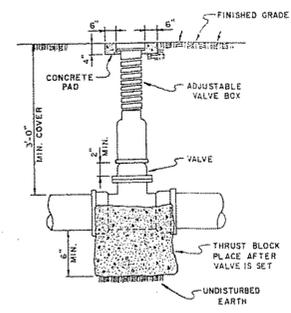


THRUST BLOCK DETAIL
NOT TO SCALE

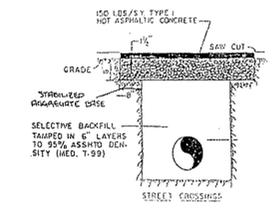
| SIZE | 90° BEND | | 45° BEND | | 22 1/2° BEND | | TEES | | | PLUGS | |
|------|----------|-----|----------|-----|--------------|-----|------|-----|-----|-------|--|
| | A | B | A | B | A | B | A | B | C | D | |
| 6" | 8" | 11" | 6" | 8" | 4" | 6" | 9" | 10" | 22" | | |
| 12" | 17" | 21" | 12" | 16" | 8" | 12" | 20" | 20" | 44" | | |

NOTE: SIZES BASED ON 150 PSI AT 2500 PSF SOIL PRESSURE.

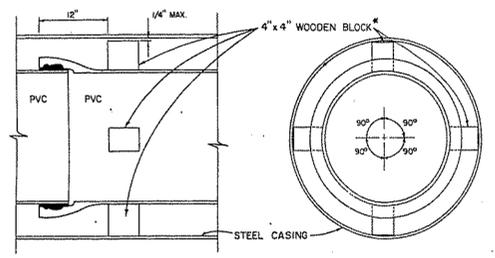
NOTE: DIMENSIONS GIVEN ARE GUIDELINES THAT MAY REQUIRE CHANGES DUE TO FIELD CONDITION. VERIFY ALL DIMENSIONS WITH ENGINEER AT TIME OF EXCAVATION.



DETAIL FOR SETTING GATE VALVE
NOT TO SCALE

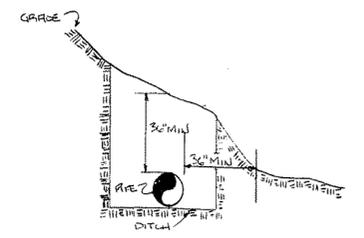


TYPICAL DETAILS - PAVEMENT REPLACEMENT
NOT TO SCALE



CARRIER PIPE INSTALLATION
NOT TO SCALE

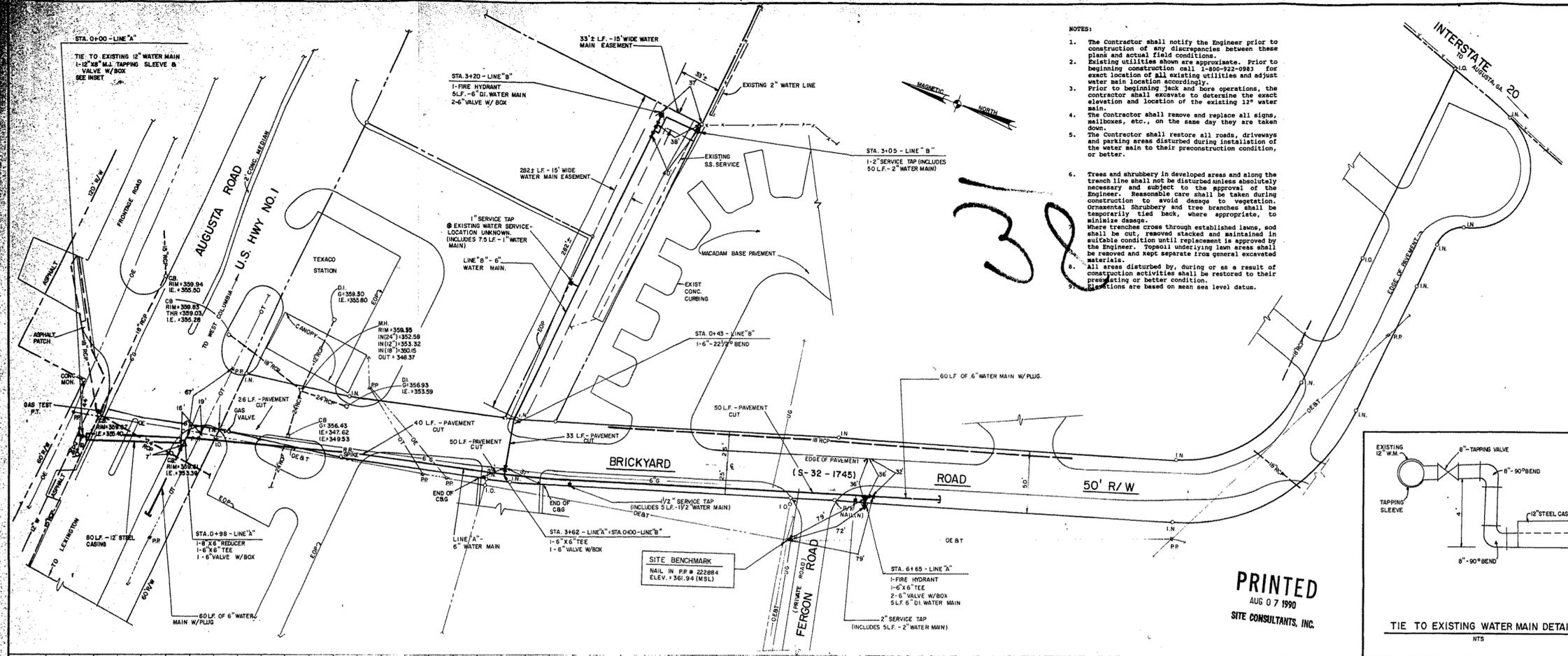
* CONTRACTOR SHALL STRAP 4\"/>



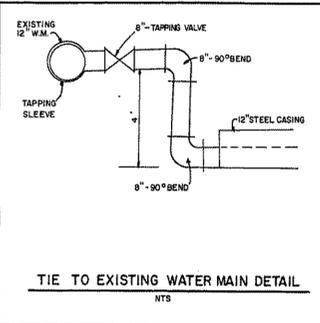
MINIMUM COVER REQUIREMENT DETAIL (JTS)

RECORD DRAWING

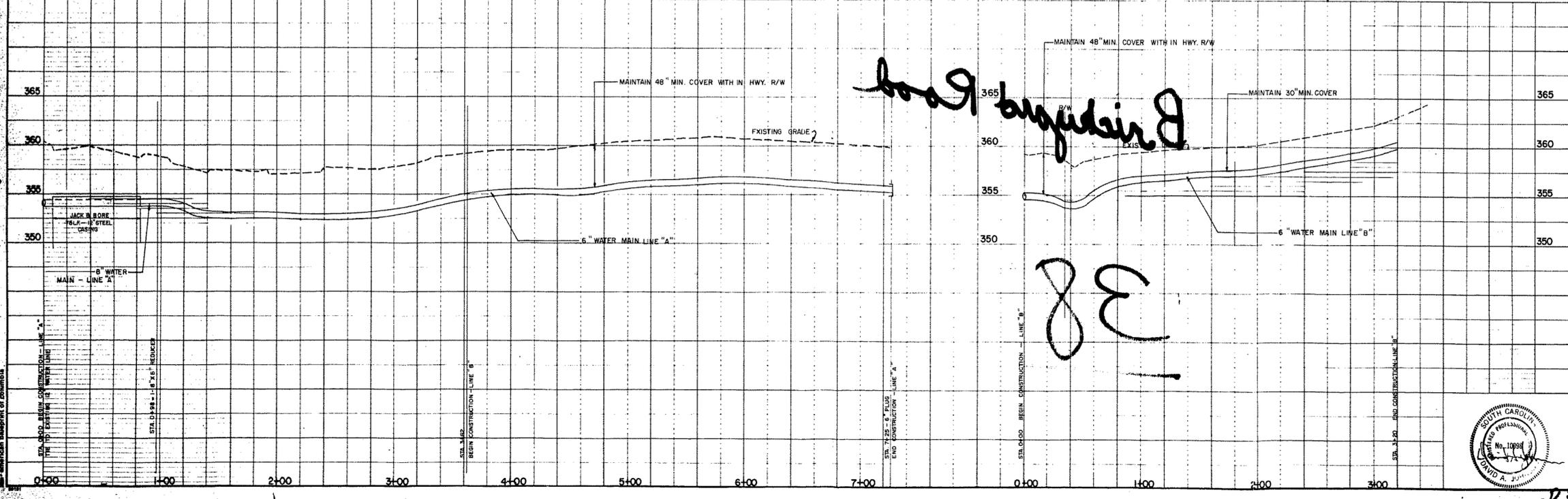
| REVISIONS | | | | | APPROVALS | | | | | SEAL | PROJECT | SHEET TITLE | SHEET 4 OF 4 |
|-----------|-------------|------|----|-----|-----------|-------------|------|----|-----|------|---|---|--|
| LOCATION | DESCRIPTION | DATE | BY | APP | LOCATION | DESCRIPTION | DATE | BY | APP | | | | |
| | | | | | | | | | | | PROJECT: IMPROVEMENTS TO WATER DISTRIBUTION SYSTEM FOR TOWN OF LEXINGTON, S.C. LEXINGTON COUNTY SOUTH CAROLINA | SHEET TITLE: MISCELLANEOUS DETAILS SCALE: AS SHOWN DATE: JANUARY, 1986 | REF: _____ N.B NO: _____ FILE NO: 22-29-23 |
| | | | | | | | | | | | | | |



- NOTES:
- The Contractor shall notify the Engineer prior to construction of any discrepancies between these plans and actual field conditions.
 - Existing utilities shown are approximate. Prior to beginning construction call 1-800-522-0983 for exact location of all existing utilities and adjust water main location accordingly.
 - Prior to beginning jack and bore operations, the contractor shall excavate to determine the exact elevation and location of the existing 12" water main.
 - The Contractor shall remove and replace all signs, mailboxes, etc., on the same day they are taken down.
 - The Contractor shall restore all roads, driveways and parking areas disturbed during installation of the water main to their preconstruction condition, or better.
 - Trees and shrubbery in developed areas and along the trench line shall not be disturbed unless absolutely necessary and subject to the approval of the Engineer. Reasonable care shall be taken during construction to avoid damage to vegetation. Ornamental shrubbery and tree branches shall be temporarily tied back, where appropriate, to minimize damage. Where trenches cross through established lawns, sod shall be cut, removed stacked and maintained in suitable condition until replacement is approved by the Engineer. Topsoil underlying lawn areas shall be removed and kept separate from general excavated materials.
 - All areas disturbed by, during or as a result of construction activities shall be restored to their preexisting or better condition.
 - Elevations are based on mean sea level datum.



PRINTED
AUG 07 1990
SITE CONSULTANTS, INC.

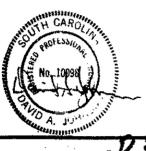


| | | | |
|-----|------|----|----------|
| NO. | DATE | BY | REVISION |
| | | | |
| | | | |
| | | | |

SITE CONSULTANTS, INC.
 ENGINEERS, PLANNERS & SURVEYORS
 980 C. CHRIS DRIVE, P.O. BOX 5020
 CAYCE/WEST COLUMBIA, S.C. 29171-8017/796-1977

BRICKYARD ROAD
 WATER MAIN
 IN LEXINGTON COUNTY, SOUTH CAROLINA
 AS-BUILT RECORD DRAWING - PLAN & PROFILES

SCALE: 1" = 40' H
 1" = 5' V
 DESIGNED BY: D.A.J.
 DRAWN BY: C.D.K.
 CHECKED BY: D.A.J.
 DATE: AUG. 6, 1990
 DRAWING NO: 90-736
 SHEET NO: 473



D3-76

RECORD DRAWINGS FOR

CEDAR ROAD LIFT STATION AND FORCE MAIN IMPROVEMENTS

PREPARED FOR

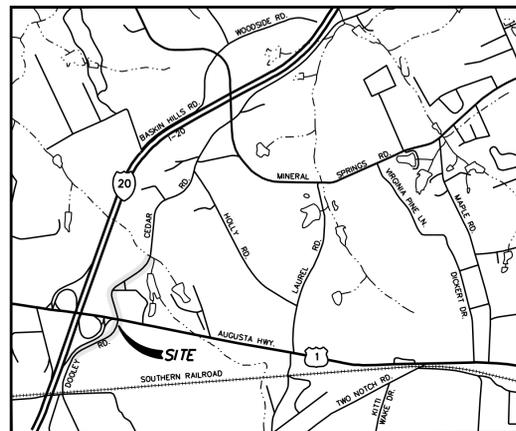
ESSEX HOMES SOUTHEAST, INC.

120 CROMER ROAD
LEXINGTON, S.C. 29073
PHONE (803) 356-8301
FAX (803) 356-8303

JULY 2013

SHEET INDEX

| <u>SHEET NO.</u> | <u>SHEET TITLE</u> |
|------------------|--|
| 1 | OVERALL FORCEMAIN ROUTE, KEY MAP AND NOTES |
| 2-4 | PLAN AND PROFILE |



VICINITY MAP
SCALE: 1" = 2000'



PREPARED BY
POWER ENGINEERING COMPANY, INC.
ENGINEERS - PLANNERS - SURVEYORS

138 WESTPARK BLVD. COLUMBIA, SOUTH CAROLINA 29210
PH: (803)216-8777 FAX (803)216-8070

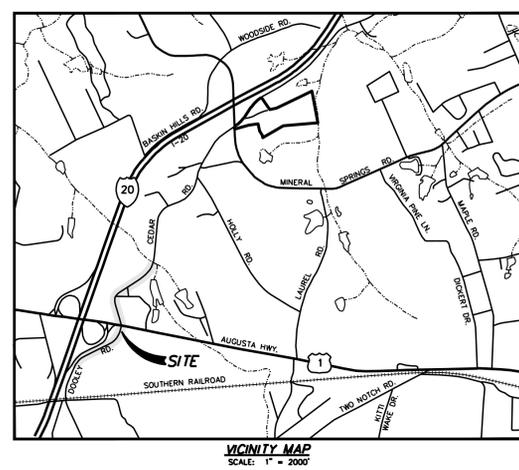


| REVISIONS | BY |
|--------------------------------|-----|
| 5-20-2014 PER TOWN COMMENTS | JTS |
| | |
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PREPARED BY
POWER ENGINEERING COMPANY, INC.
 ENGINEERS - PLANNERS - SURVEYORS
 COLUMBIA, SC CHARLOTTE, NC

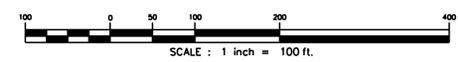
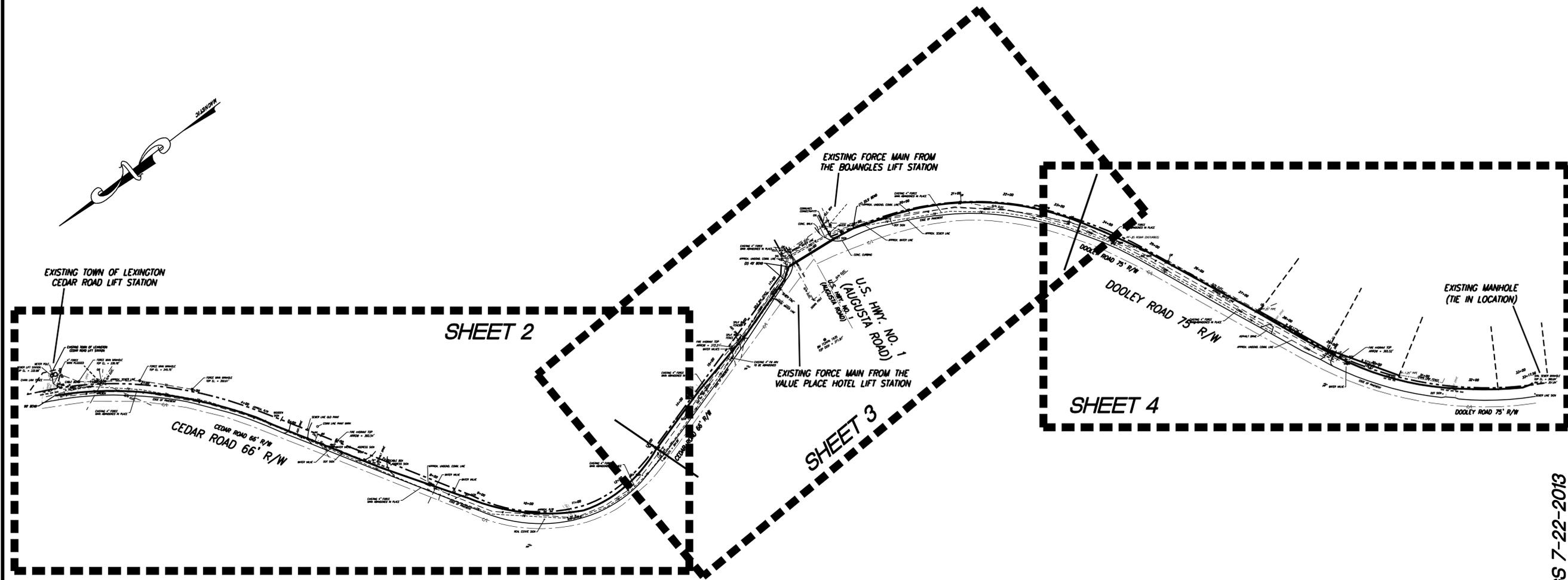
ESSEX HOMES SOUTHEAST INC
CEDAR RD. LIFT STA. IMPROVEMENTS
OVERALL FORCE MAIN ROUTE,
KEY MAP AND NOTES
 LEXINGTON COUNTY, NEAR LEXINGTON SOUTH CAROLINA

| | |
|---------|-----------|
| DRAWN | DHC |
| CHECKED | DBP |
| DATE | 10/22/12 |
| SCALE | 1" = 100' |
| JOB NO. | 3049 |
| SHEET | 1 |
| OF | 4 SHEETS |



EXISTING LEGEND

- RIGHT-OF-WAY
- PROPERTY LINE
- CONTOURS
- C/L ROAD
- FENCE
- OVERHEAD ELECTRIC
- STORM DRAIN PIPE
- SEWER LINE
- FORCE MAIN
- GAS
- WATER
- COMMUNICATION LINES
- IRON PIN
- MAILBOX
- GUY WIRE
- POWER POLE
- WATER METER
- SEWER MANHOLE
- WATER VALVE
- FIRE HYDRANT
- SIGN
- LIGHT POLE
- TELEPHONE BOX
- CABLE BOX



REFERENCE:
 ALL TOPOGRAPHY, BOUNDARY AND SITE LOCATIONS SHOWN HEREON WERE SUPPLIED TO POWER ENGINEERING CO., BY ASSOCIATED E & S INC., POWER ENGINEERING AND THE TOWN OF LEXINGTON ASSUME NO RESPONSIBILITY FOR ACCURACY OF THE TOPOGRAPHY, BOUNDARY AND SITE LOCATIONS.

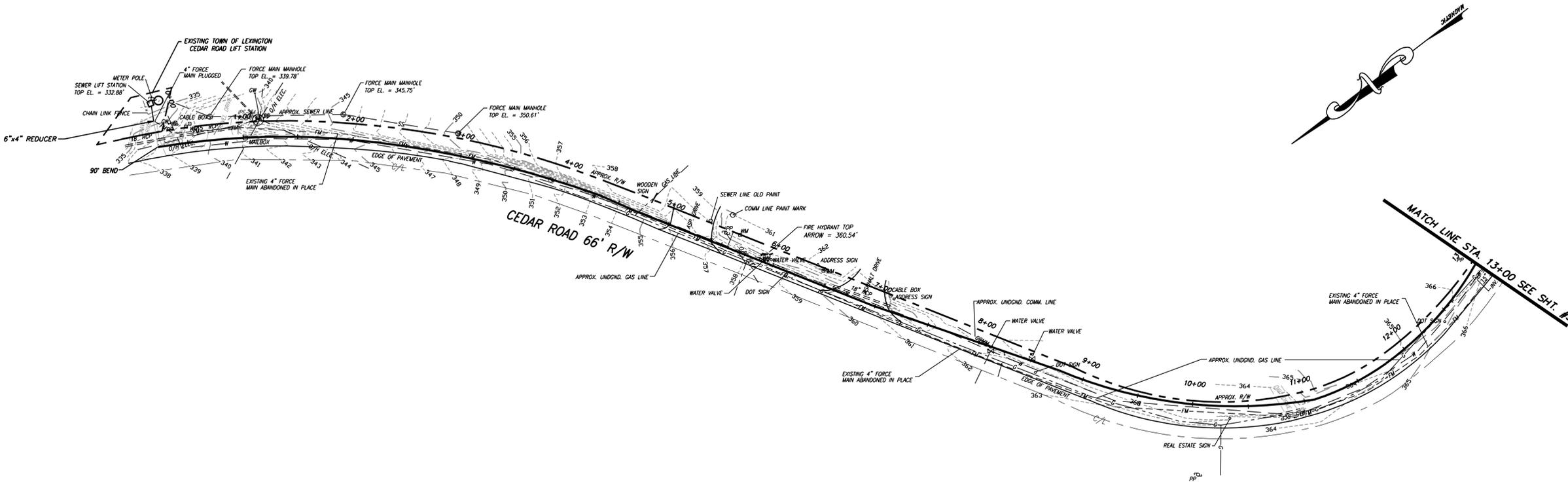
OWNER: ESSEX HOMES SOUTHEAST, INC.
 c/o FRANK BERRY
 120 CROMER ROAD
 LEXINGTON, S.C. 29073
 PHONE (803) 356-8301
 FAX (803) 356-8303

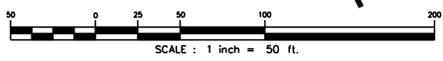
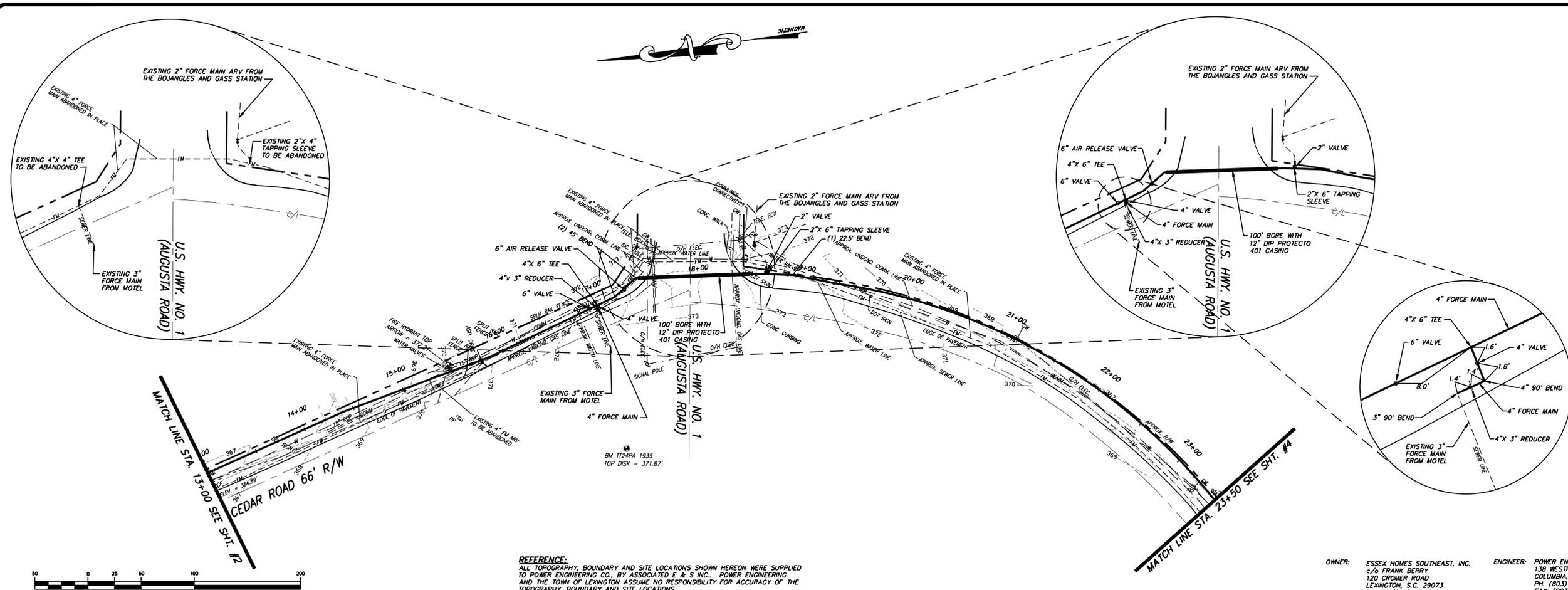
ENGINEER: POWER ENGINEERING CO., INC.
 138 WESTPARK BLVD.
 COLUMBIA, S.C. 29210
 PH. (803) 216-8777
 FAX. (803) 216-8070

RECORD DRAWINGS 7-22-2013

| REVISIONS | BY |
|-------------------------------|-----|
| 6-6-2014 PER TOWN COMMENTS | JTS |
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RECORD DRAWINGS 7-22-2013

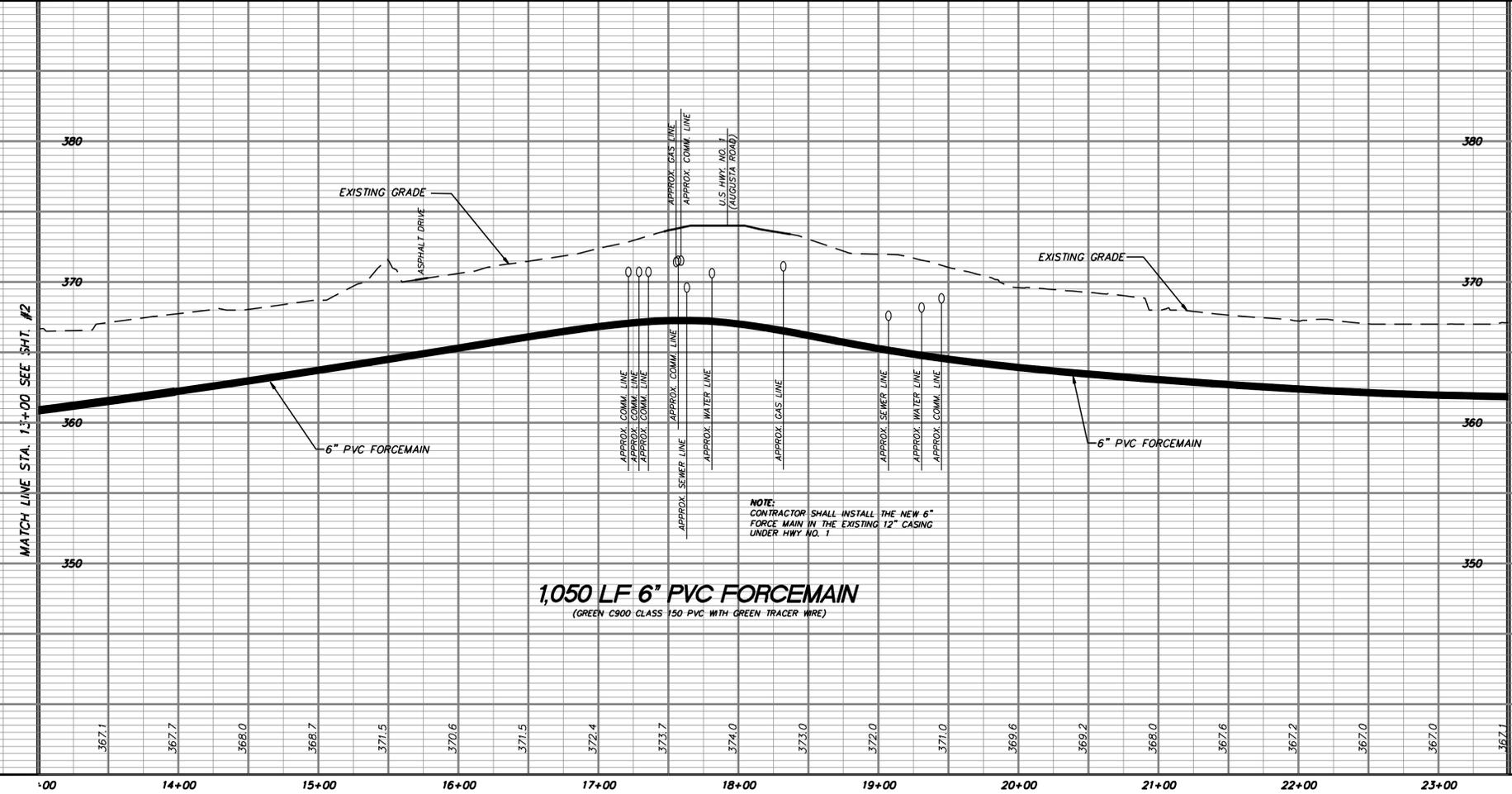




REFERENCE:
 ALL TOPOGRAPHY, BOUNDARY AND SITE LOCATIONS SHOWN HEREON WERE SUPPLIED TO POWER ENGINEERING CO., BY ASSOCIATED E & S, INC. AND THE TOWN OF LEXINGTON ASSUME NO RESPONSIBILITY FOR ACCURACY OF THE TOPOGRAPHY, BOUNDARY AND SITE LOCATIONS.

OWNER: ESSEX HOMES SOUTHEAST, INC.
 c/o FRANK BERRY
 120 CROMER ROAD
 LEXINGTON, S.C. 29073
 PHONE (803) 356-8301
 FAX (803) 356-8303

ENGINEER: POWER ENGINEERING CO., INC.
 138 WESTPARK BLVD.
 COLUMBIA, S.C. 29210
 PH. (803) 216-8777
 FAX (803) 216-8070



1,050 LF 6" PVC FORCEMAIN
 (GREEN C900 CLASS 150 PVC WITH GREEN TRACER WIRE)



SCALE: 1" = 50' HORIZ.
 1" = 5' VERT.

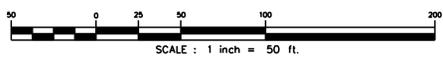
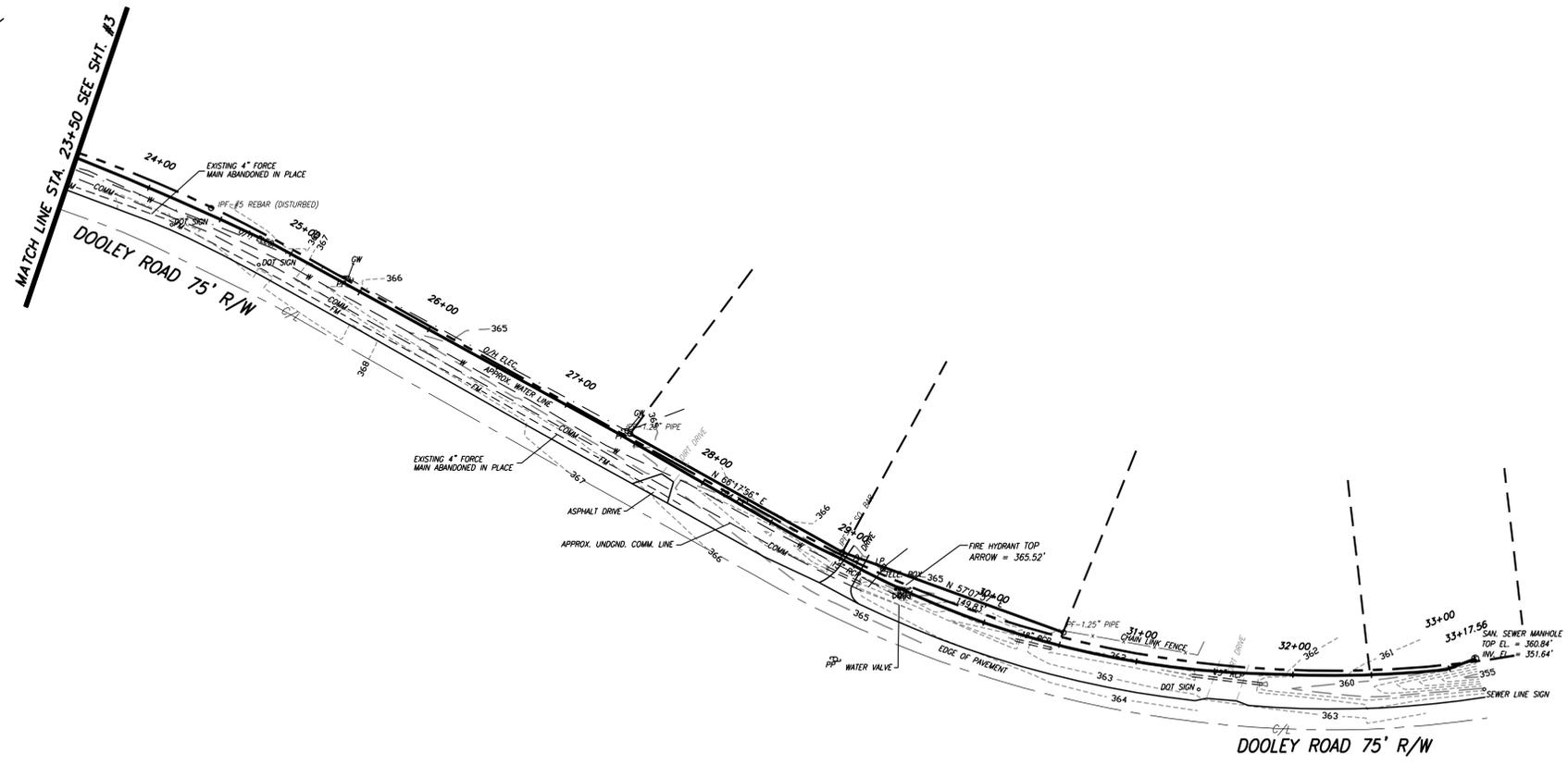
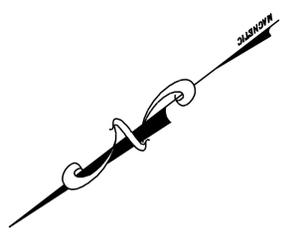
RECORD DRAWINGS 7-22-2013

| REVISIONS | BY |
|--------------------------------|-----|
| 9-10-213 PER TOWN COMMENTS | JTS |
| 11-4-2013 PER CONTRACTOR | JTS |
| 6-10-2014 PER TOWN COMMENTS | JTS |
| 7-1-2014 PER TOWN COMMENTS | HDW |

PREPARED BY
POWER ENGINEERING COMPANY, INC.
 ENGINEERS - PLANNERS - SURVEYORS
 COLUMBIA, SC
 CHARLOTTE, NC

ESSEX HOMES SOUTHEAST, INC.
CEDAR RD. LIFT STA. IMPROVEMENTS
OFF-SITE FORCEMAIN
PLAN AND PROFILE
 LEXINGTON COUNTY, NEAR LEXINGTON SOUTH CAROLINA

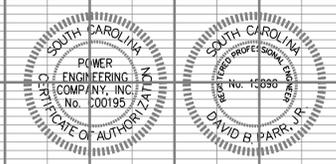
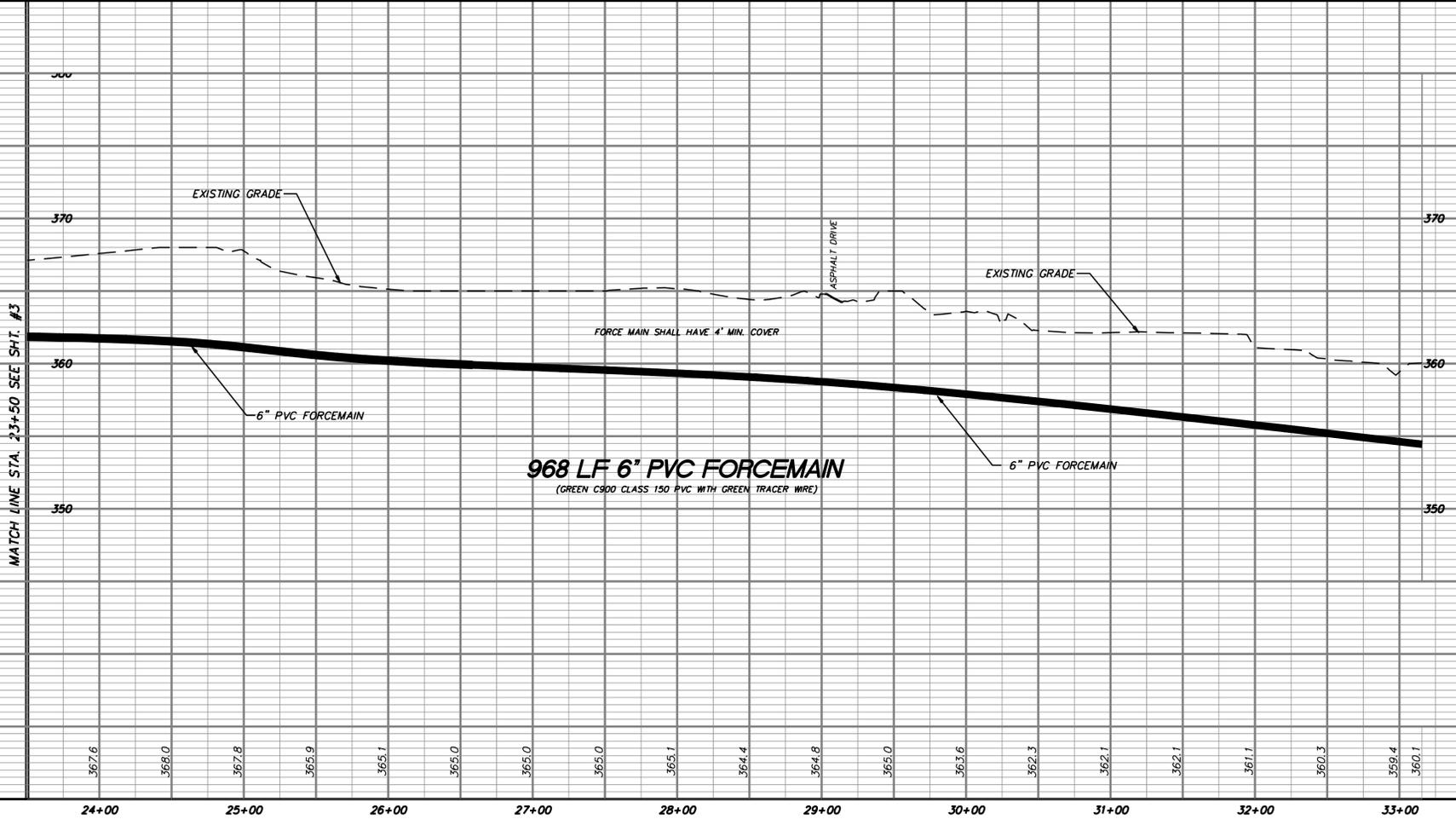
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| DRAWN | DHC |
| CHECKED | DBP |
| DATE | 10/22/12 |
| SCALE | AS SHOWN |
| JOB NO. | 3049 |
| SHEET | 3 |
| OF | 4 SHEETS |



REFERENCE:
 ALL TOPOGRAPHY, BOUNDARY AND SITE LOCATIONS SHOWN HEREON WERE SUPPLIED TO POWER ENGINEERING CO., BY ASSOCIATED E & S INC.. POWER ENGINEERING AND THE TOWN OF LEXINGTON ASSUME NO RESPONSIBILITY FOR ACCURACY OF THE TOPOGRAPHY, BOUNDARY AND SITE LOCATIONS.

OWNER: ESSEX HOMES SOUTHEAST, INC.
 C/O FRANK BERRY
 120 CROMER ROAD
 LEXINGTON, S.C. 29073
 PHONE (803) 356-8301
 FAX (803) 356-8303

ENGINEER: POWER ENGINEERING CO., INC.
 138 WESTPARK BLVD.
 COLUMBIA, S.C. 29210
 PH. (803) 216-8777
 FAX. (803) 216-8070



SCALE: 1" = 50' HORIZ.
 1" = 5' VERT.

RECORD DRAWINGS 7-22-2013

| REVISIONS | BY |
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PREPARED BY
POWER ENGINEERING COMPANY, INC.
 ENGINEERS - PLANNERS - SURVEYORS
 COLUMBIA, SC CHARLOTTE, NC

ESSEX HOMES SOUTHEAST, INC.
CEDAR RD. LIFT STA. IMPROVEMENTS
OFF-SITE FORCEMAIN
PLAN AND PROFILE
 LEXINGTON COUNTY, NEAR LEXINGTON SOUTH CAROLINA

| | |
|---------|----------|
| DRAWN | DHC |
| CHECKED | DBP |
| DATE | 10/22/12 |
| SCALE | AS SHOWN |
| JOB NO. | 3049 |
| SHEET | 4 |
| OF | 4 SHEETS |

| REVISIONS | BY |
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PREPARED BY
POWER ENGINEERING COMPANY, INC.
 ENGINEERS - PLANNERS - SURVEYORS
 COLUMBIA, SC CHARLOTTE, NC

ESSEX HOMES SOUTHEAST, INC.
CEDAR RD. LIFT STA. IMPROVEMENTS
OFF-SITE FORCEMAIN
MISCELLANEOUS DETAILS
 LEWINGTON COUNTY, NEAR LEXINGTON SOUTH CAROLINA

| | |
|---------|----------|
| DRAWN | DHC |
| CHECKED | DBP |
| DATE | 10/22/12 |
| SCALE | AS SHOWN |
| JOB NO. | 3049 |
| SHEET | 1 |
| OF | 1 SHEETS |

RECORD DRAWINGS 5-12-2014

Lift Station Specifications

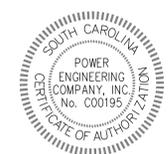
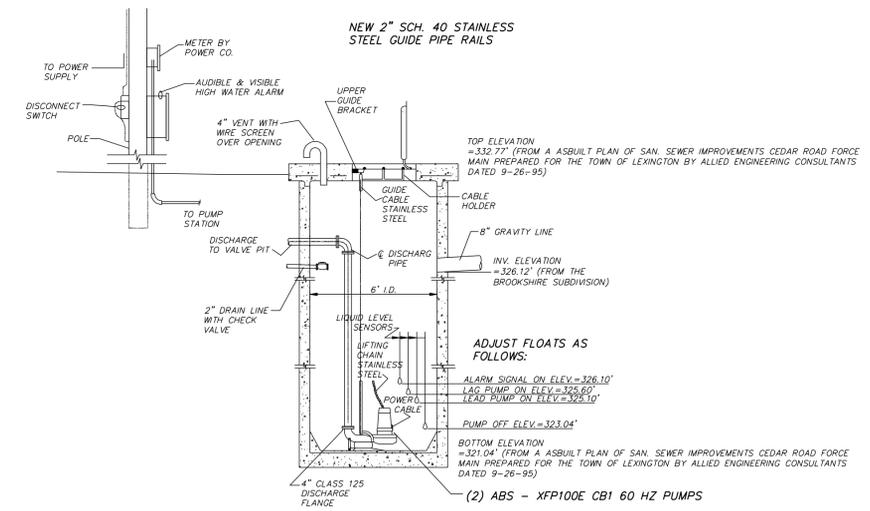
A double throw service disconnect switch at incoming power supply - one side for emergency power shut off and the other side for generator power transfer. The generator receptacle should be mounted on the side of the duplex control panel. The generator receptacle should be compatible with an: 1) Arkkit 100 amp, 240 volt, 3W 4P, cat #APJ10487522 type plug for 100 amps and under or 2) Appleton 200 amp, 240 volt, 3W 4P, cat #AP20034E-RS type plug for 200 amps and under. Any service over 200 amps will require a generator.

One (1) duplex control panel rated NEMA 3R stainless steel enclosure panel. Panel should include: Back panel and inner door, motor and control circuit breakers NEMA rated motor starters, oil tight hand-off-auto switches, oil tight run lights, lightning arrester and surge capacitor, terminal strip, ul listed, an alarm horn with silence circuitry, elapsed time meters, GFI receptacle, power block, alarm light, alternator with selector switch, phase monitor, amp meters for pumps, oil tight high temperature lights for pumps, oil tight seal failure lights, and 500 watt halogen light coming from duplex control panel with on/off switch.

One (1) junction box 12"x 12"x 6" located underneath control panel to connect pump and float power cables. Seal Off needs to be installed between junction box and control panel. Pump and float power cables should be in separate conduit pipes coming from wet well to junction box.

Wet well needs 2 submersible pumps, sized with proper length power cable, two (2) discharge elbows and upper guide rail brackets, four (4) schedule 40 stainless steel guide rails, two (2) stainless steel lifting chains the proper length and properly sized " or larger stainless steel thimbles and 5/16" shackles, four (4) float switches and stainless steel float brackets.

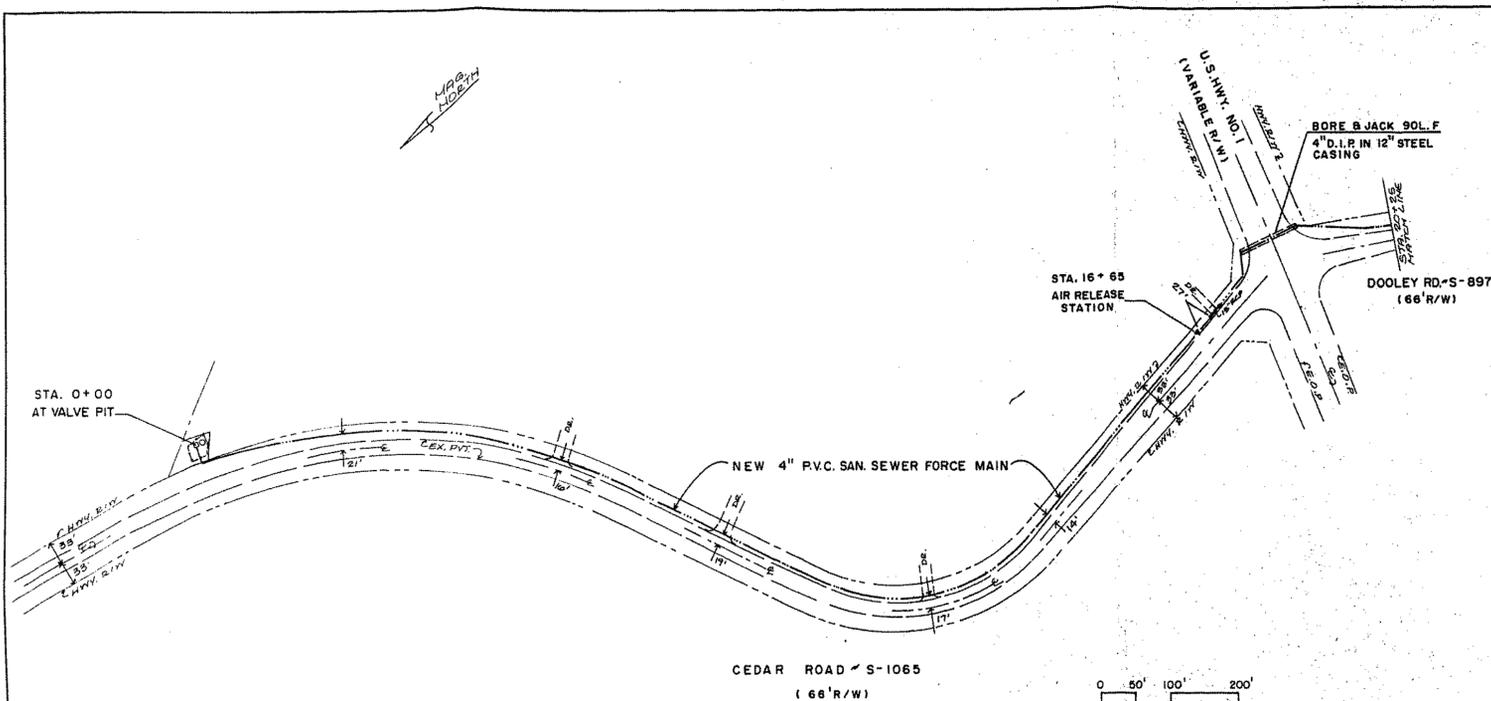
NEW TOWN OF LEXINGTON
CONTROL PANEL AS
MANUFACTURED BY
CONTROL INTERFACE



OWNER: ESSEX HOMES SOUTHEAST, INC.
c/o FRANK BERRY
120 CROMER ROAD
LEXINGTON, S.C. 29073
PHONE (803) 356-8301
FAX (803) 356-8303

ENGINEER: POWER ENGINEERING CO., INC.
138 WESTPARK BLVD.
COLUMBIA, S.C. 29210
PH. (803) 216-8777
FAX. (803) 216-8070

| | | |
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| PLAN | NO. | DATE |
| REVISION | | |
| NOTE BOOK | | |
| NO. | | |



CERTIFICATE OF INSTALLATION

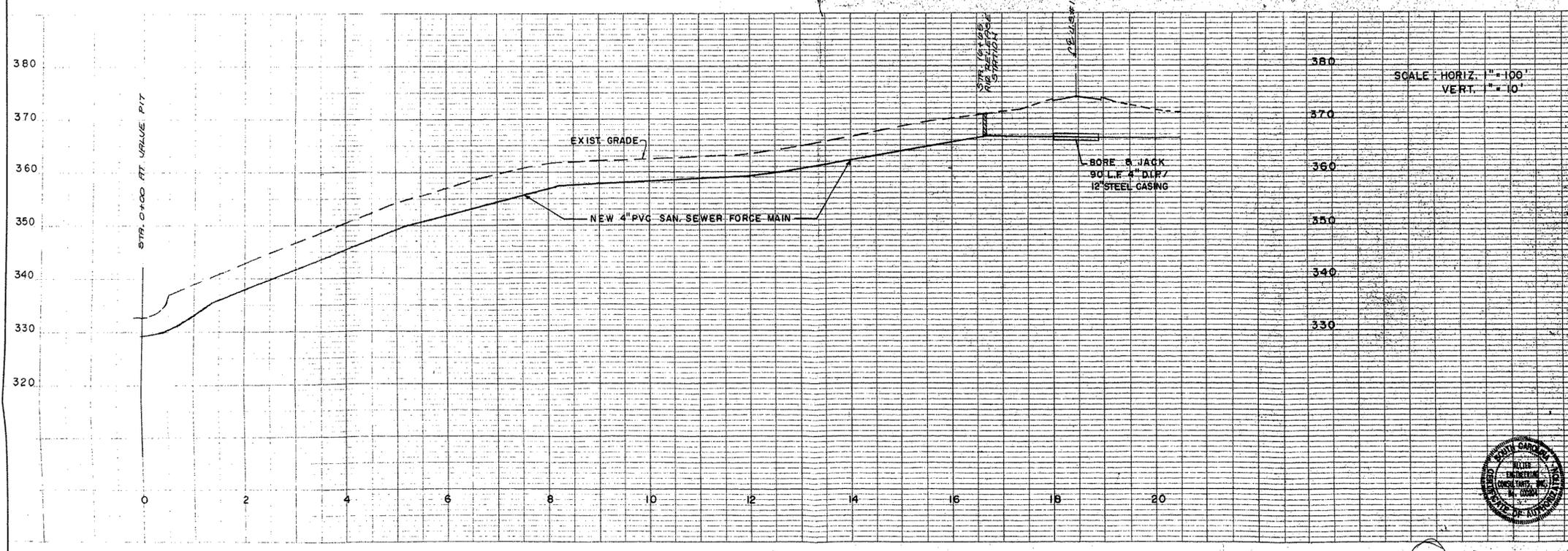
I HEREBY CERTIFY THAT THE CEDAR RD. FORCE MAIN AND PUMP STATION WAS INSTALLED IN ACCORDANCE WITH THE PRELIMINARY PLAT (CONSTRUCTION DRAWINGS) DATED JAN. 25, 1995 AND APPROVED BY THE PLANNING COMMISSION.

BY: *Derek Evans* DATE: 9-26-95
 DEREK EVANS
 S.C. REG. PROFESSIONAL ENGINEER
 NO. 16303

allied engineering consultants, inc.

140 Grove Street Drive - Cape Verde, MA 01907
 TEL (508) 794-8227
 FAX (508) 794-8228

| | | |
|-----------|-----|------|
| PROFILE | NO. | DATE |
| REVISION | | |
| NOTE BOOK | | |
| NO. | | |



134 9-21

DATE: 9-26-95

PROJECT: CEDAR ROAD FORCE MAIN

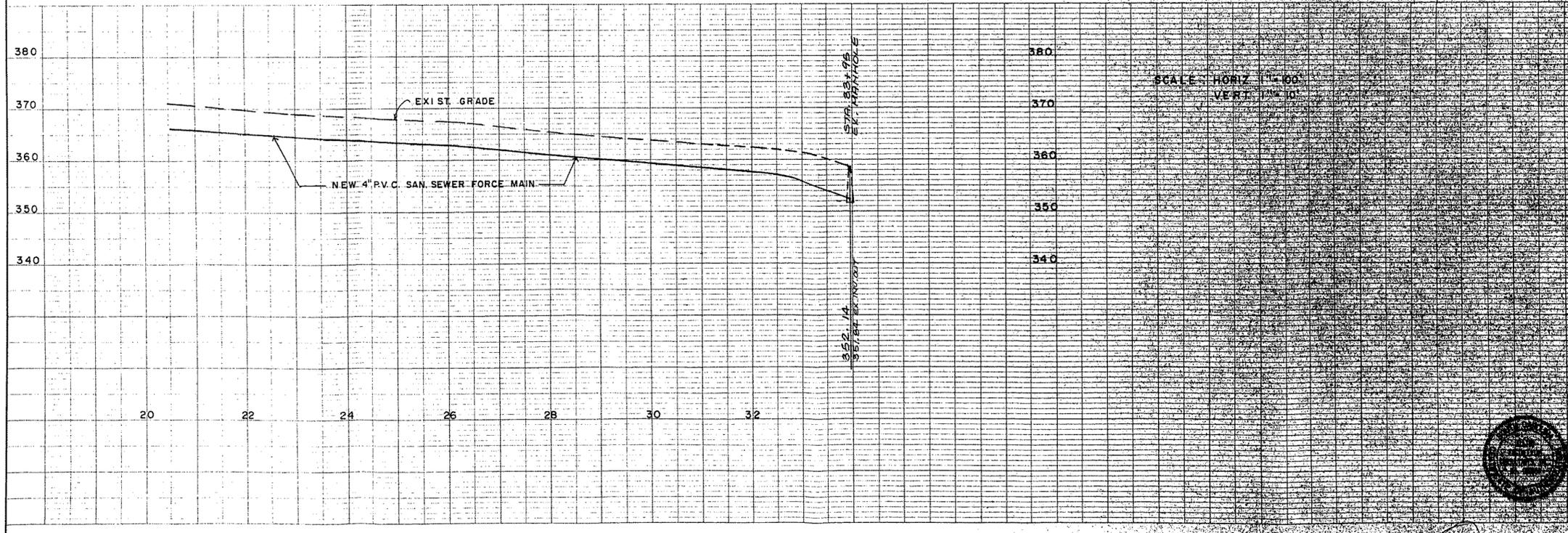
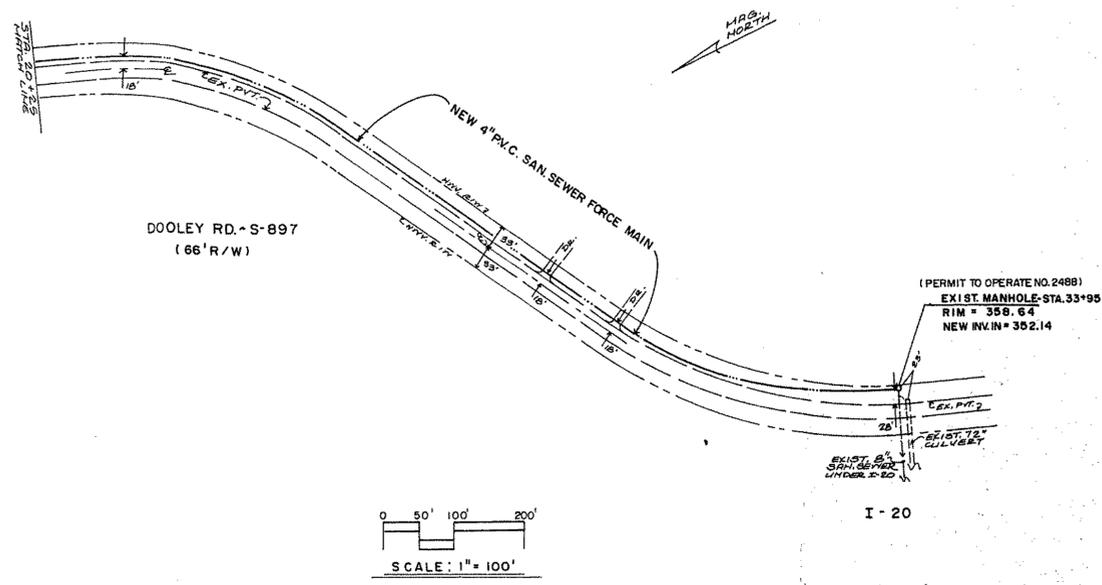
LOCATION: CEDAR ROAD, LEXINGTON, MASS.

SCALE: HORIZ. 1" = 100'
 VERT. 1" = 10'

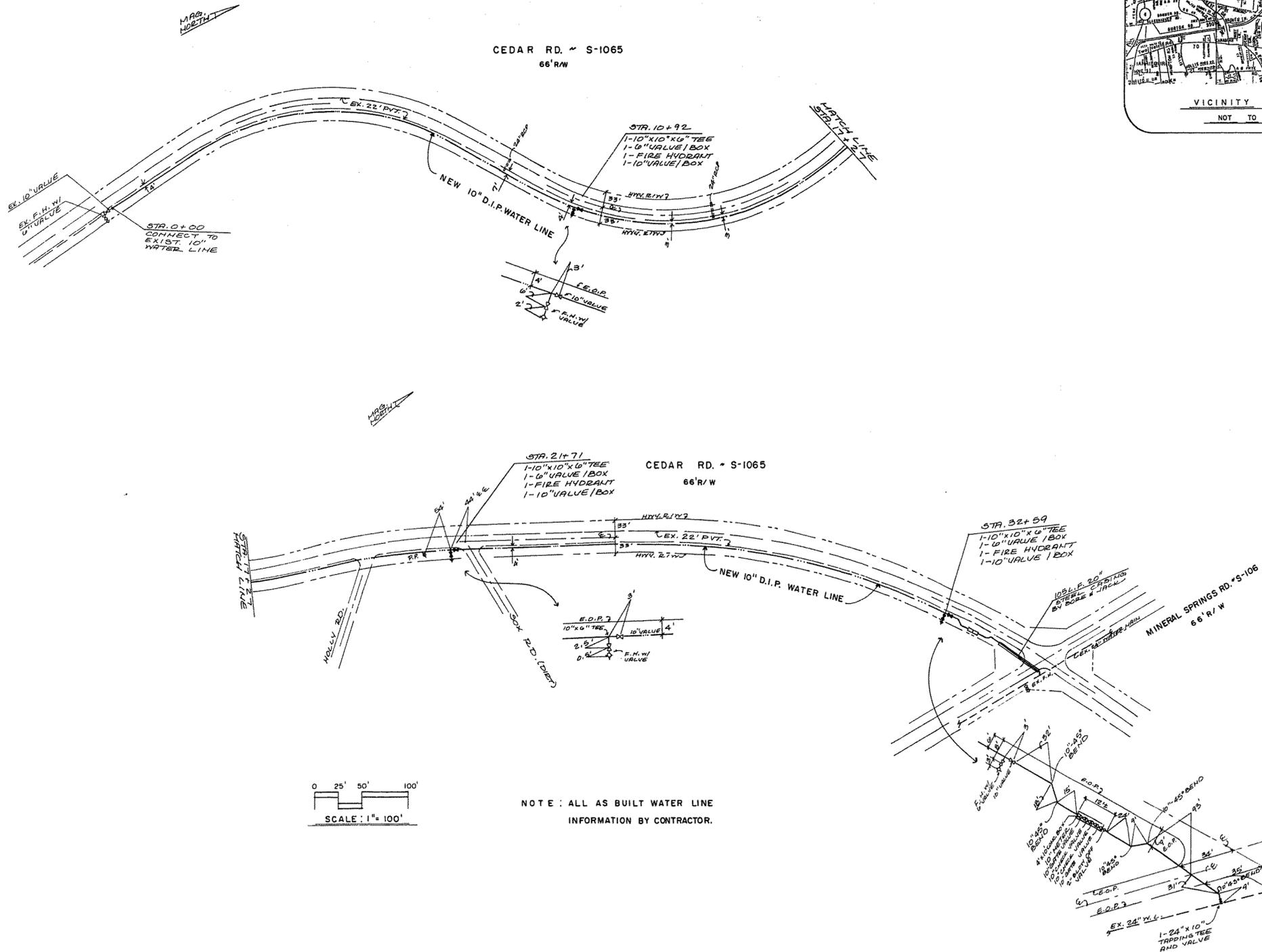
140 Grove Street Drive - Cape Verde, MA 01907
 TEL (508) 794-8227
 FAX (508) 794-8228

| | | |
|---|-----------|--|
| PLAN | DATE | |
| | BY | |
| | REVISIONS | |
| | NO. | |
| NOTE BOOK ALPHABETICALLY CHECKED BY DATE | | |

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|---|-----------|--|
| PROFILE | DATE | |
| | BY | |
| | REVISIONS | |
| | NO. | |
| NOTE BOOK ALPHABETICALLY CHECKED BY DATE | | |



Vertical text on the right margin, including a logo for 'United engineering consultants, inc.' and a circular seal at the bottom.



| | |
|------|--|
| DATE | |
| DATE | |
| DATE | |
| DATE | |

allied engineering consultants, inc.
 440 Knox Abbott Drive - Park Place, Suite 210
 P.O. Box 1002 - Caynes, SC 29111

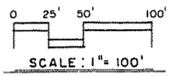
| | |
|------------------|----------------|
| PROJECT ENGINEER | S.F.V. |
| DESIGNED BY | W.H.J. |
| DRAWN BY | W.H.J. |
| CHECKED BY | S.F.V. |
| APPROVED BY | S.F.V. |
| DATE | SEPT. 26, 1994 |

PROJECT WATER SYSTEM IMPROVEMENTS
 PREPARED FOR
 THE TOWN OF LEXINGTON, S.C.
 IN LEXINGTON COUNTY, S.C.
 SHEET TITLE
 AS-BUILT WATER LINE
 DOOLEY ROAD EXTENSION



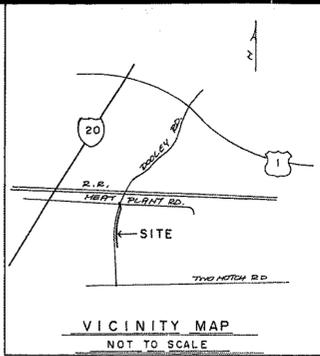
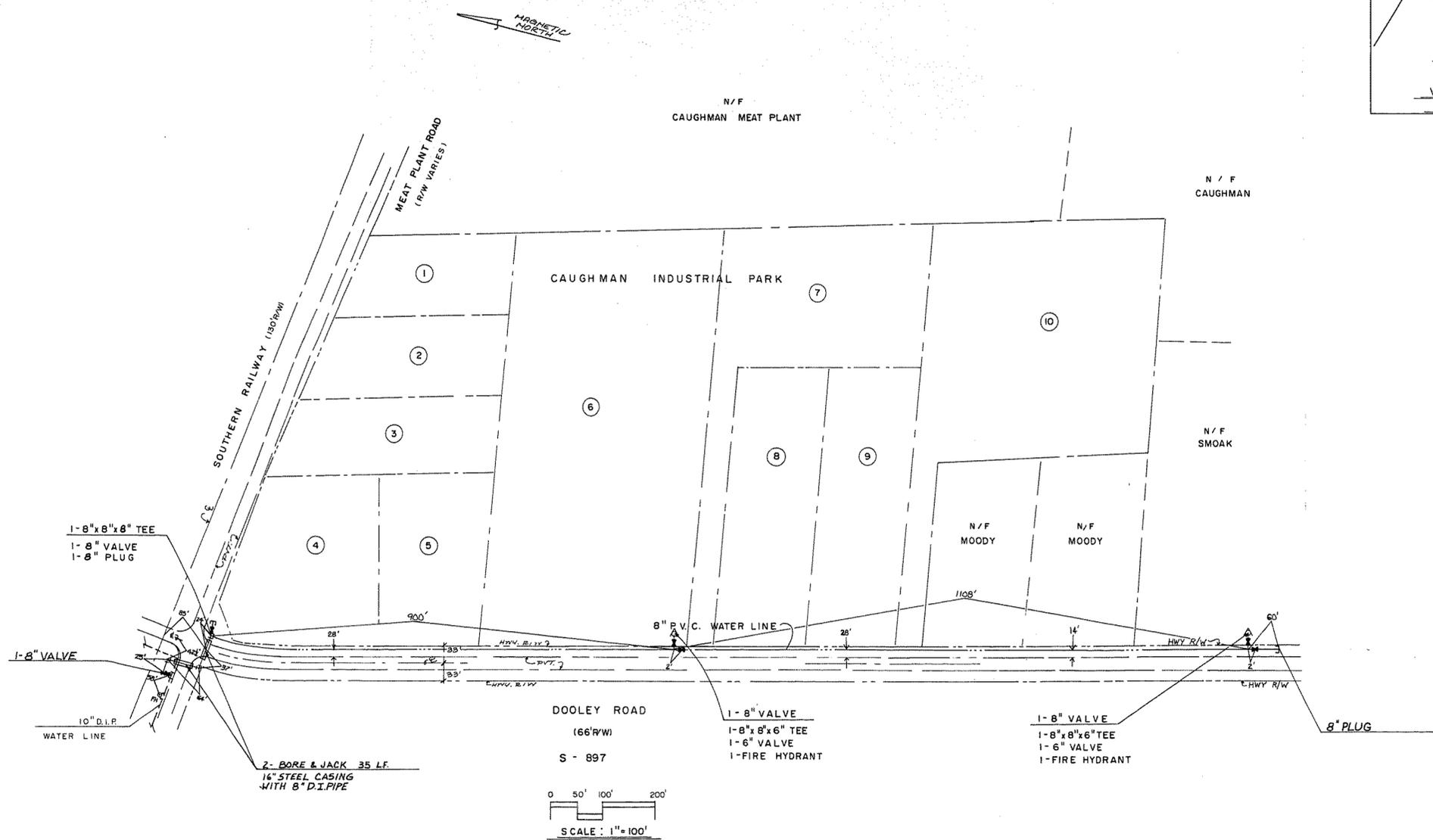
| | | | |
|------------|-----------|----|---|
| SHEET NO. | 1 | OF | 1 |
| JOB NUMBER | 276 | | |
| FILE NO. | D-94-1068 | | |

D2-10



NOTE: ALL AS BUILT WATER LINE INFORMATION BY CONTRACTOR.





| |
|-----------|
| REVISIONS |
| DATE |

THE TOWN OF LEXINGTON
 P.O. BOX 397
 LEXINGTON, S.C. 29071
 TEL. 359-2434
 FAX 951-4648

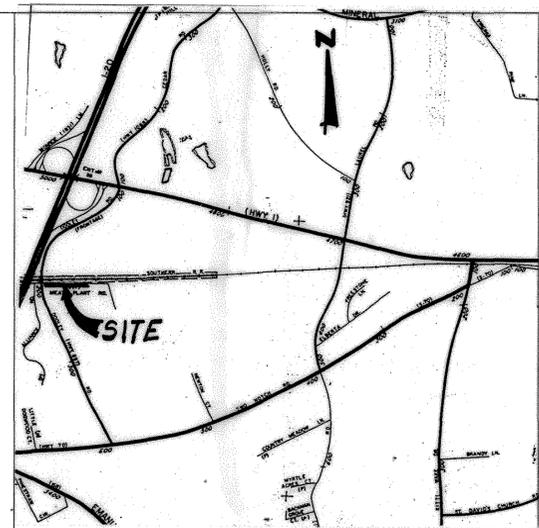
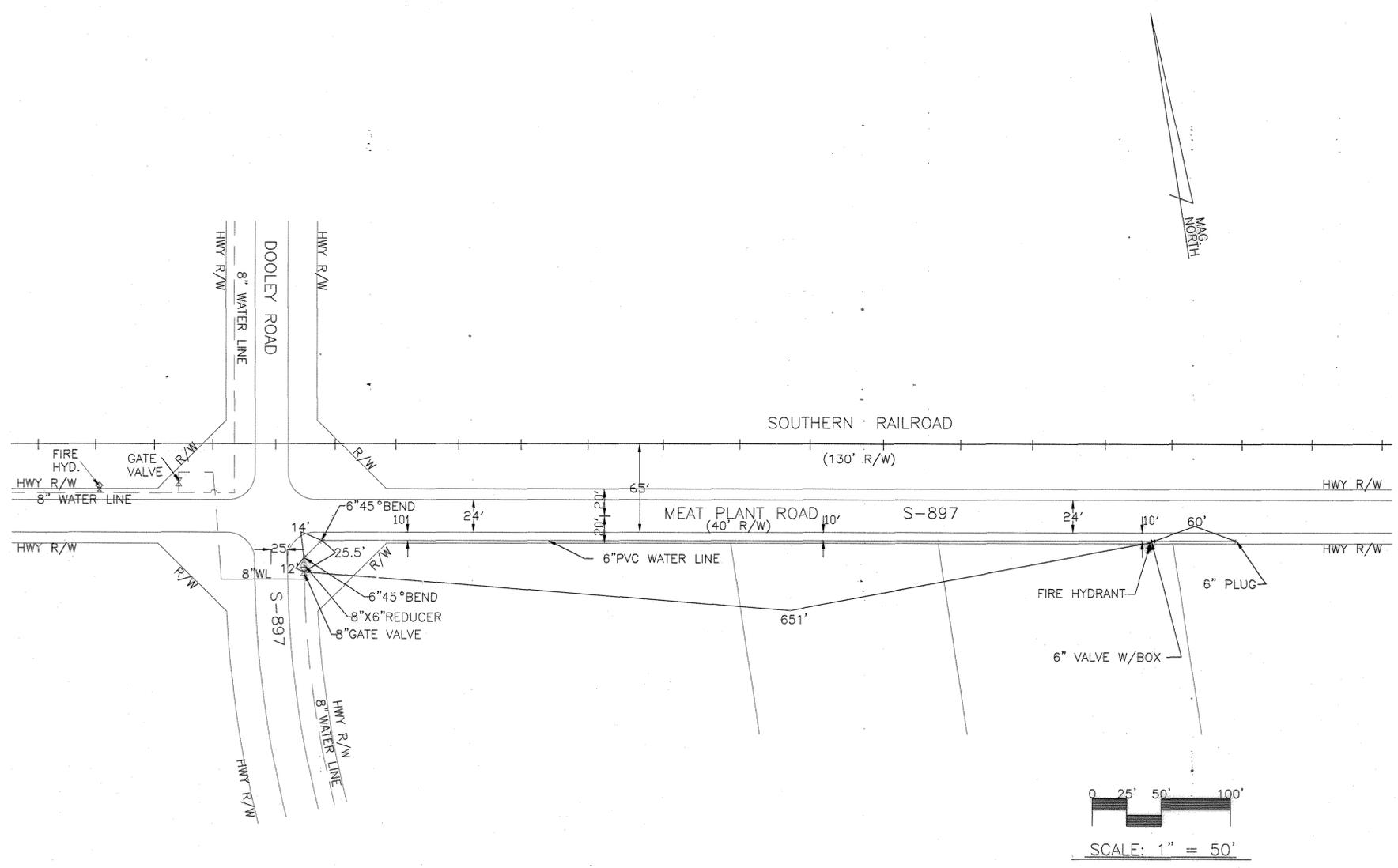
PROJECT ENG. BY S.F.V.
 DESIGNED BY S.F.V.
 DRAWN BY D.L.D.
 CHECKED BY S.F.V.
 APPROVED BY S.F.V.
 DATE: APRIL 25, 1996

PROJECT WATER SYSTEM IMPROVEMENTS
 DOOLEY RD. WATER LINE - PHASE II
 PREPARED FOR
 THE TOWN OF LEXINGTON
 LEXINGTON COUNTY, S.C.
 SHEET 1111 ASBUILT WATER LINE



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| SHEET NO. | OF |
| 285 | 285 |
| FILE NO. | |

2-10



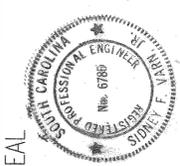
LOCATION MAP
SCALE: 1" = 1320'

| REVISION |
|----------|
| |
| |
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| |

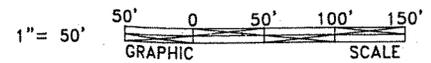
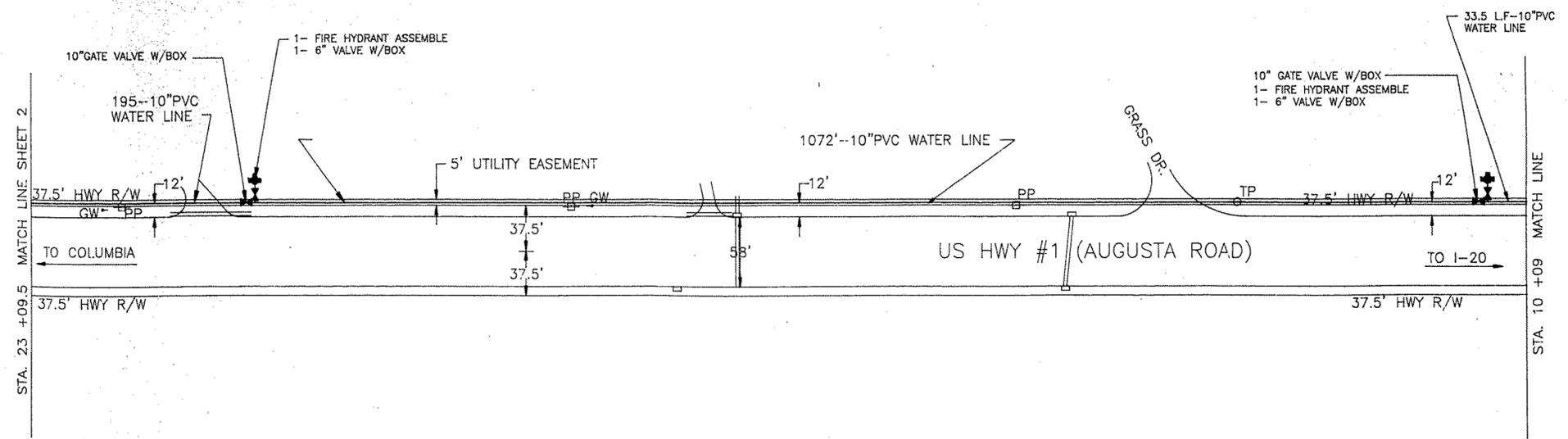
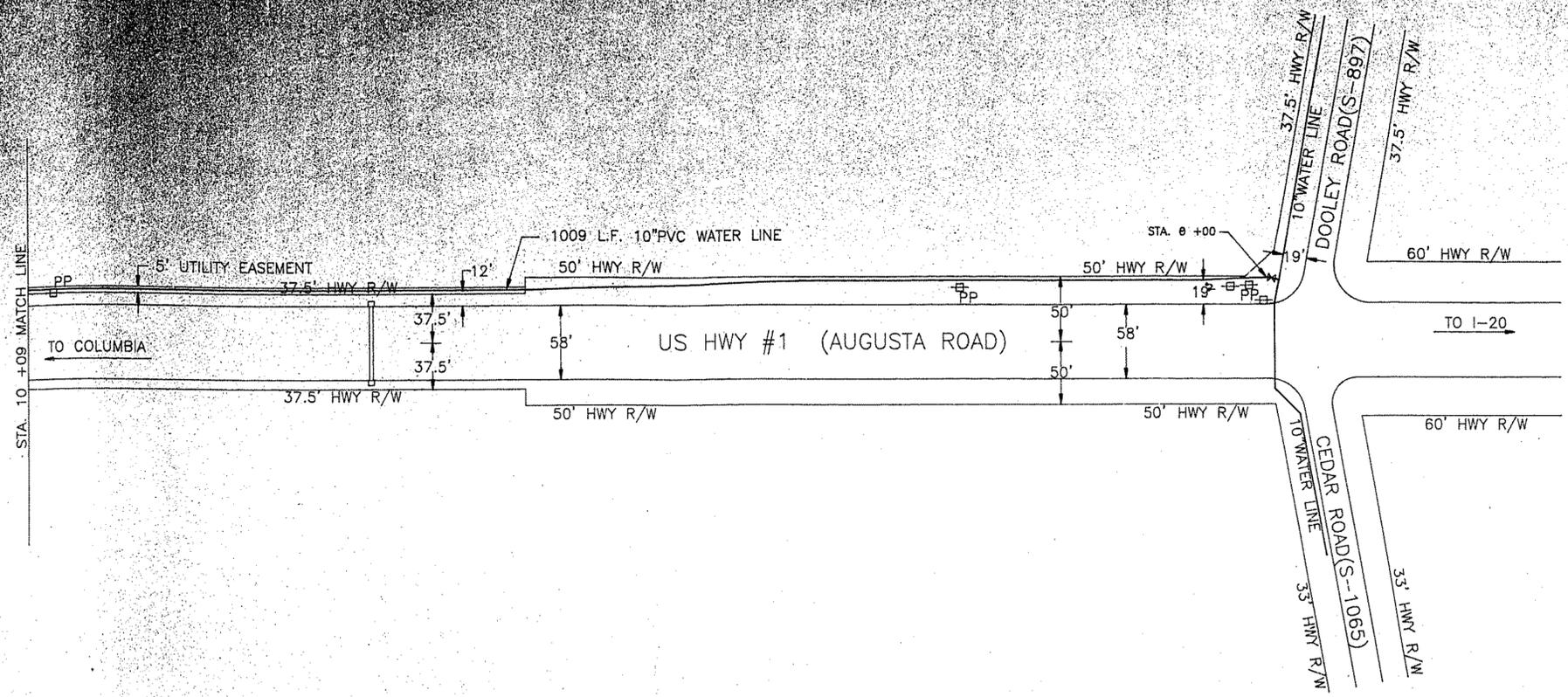
THE TOWN OF LEXINGTON
 P.O. BOX 397
 LEXINGTON, S.C. 29072
 TEL: 359-2434
 FAX: 951-4648

| | |
|------------------|----------|
| PROJECT ENGINEER | DLD |
| DESIGNED BY | DLD |
| DRAWN BY | DLD |
| CHECKED BY | SFV |
| APPROVED BY | SFV |
| DATE/AUG. | 12, 1996 |

ASBUILT DRAWING
 PROJECT WATER IMPROVEMENTS
 PREPARED FOR
 MEAT PLANT ROAD
 LEXINGTON COUNTY, S.C.
 WATER LINE EXT.



| | |
|------|-----------|
| SEAL | SHEET NO. |
| | 1 OF 1 |
| FILE | 96897AS |



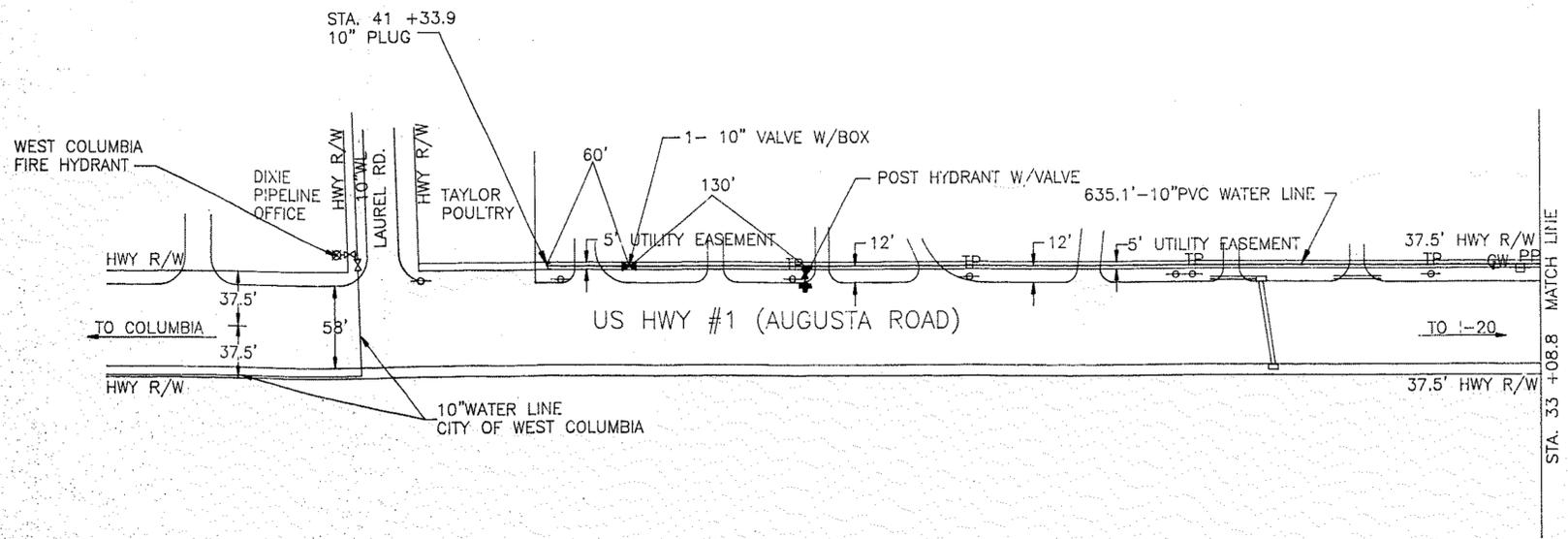
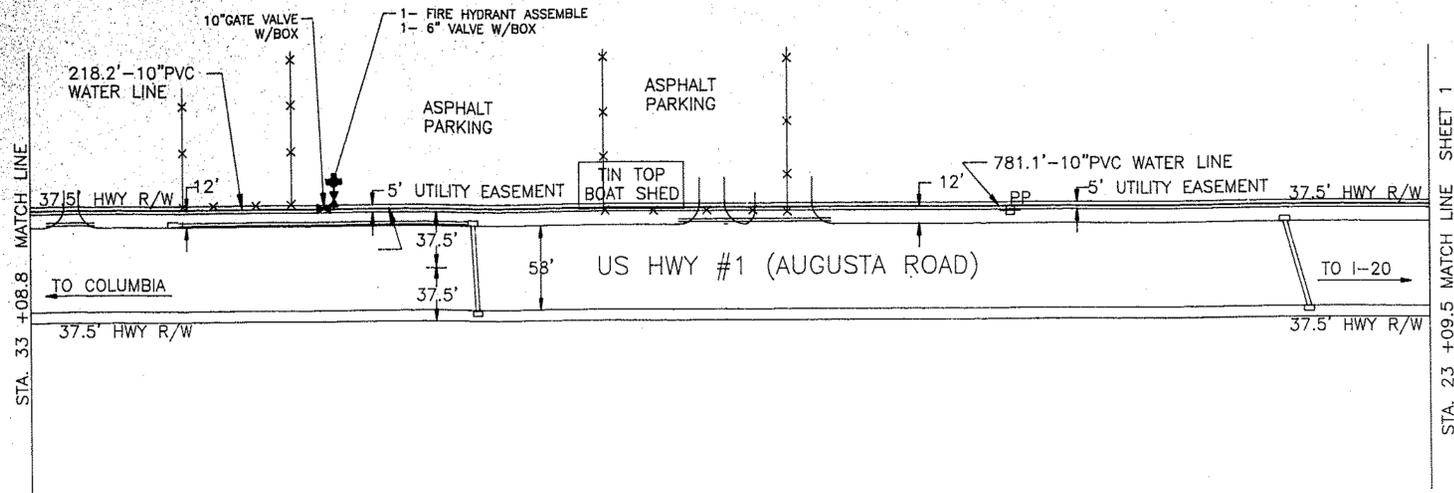
LEGEND

- ⊖ EXISTING POWER POLE
- ⊙ EXISTING TELE. PEDESTAL
- EXISTING RC PIPE

1385
9-39

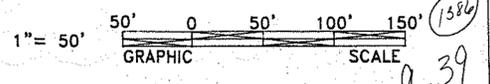
| | |
|---|---|
| REVISION | |
| THE TOWN OF LEXINGTON P.O. BOX 397 LEXINGTON, S.C. TEL 359-2434 FAX 951-4648 | |
| PROJECT ENGINEER DLD DESIGNED BY DLD DRAWN BY DLD CHECKED BY SFV APPROVED BY SFV DATE: JULY 22, 1997 | ASBUILT DRAWINGS PROJECT WATER IMPROVEMENTS PREPARED FOR US HWY #1 WATER LINE EXT. LEXINGTON COUNTY, S.C. WATER LINE PLAN |
| | SEAL SHEET NO. 1 OF 2 FILE 96US1 |

ASBESTIC
LINED
DRAIN



LEGEND

- ⊕ EXISTING POWER POLE
- ⊕ EXISTING TELE. PEDESTAL
- EXISTING RC PIPE



| | |
|---|---------------|
| REVISION | |
| THE TOWN OF LEXINGTON P.O. BOX 397 LEXINGTON, S.C. TEL. 359-2434 FAX. 951-4648 | |
| PROJECT ENGINEER | DLD |
| DESIGNED BY | DLD |
| DRAWN BY | DLD |
| CHECKED BY | SFV |
| APPROVED BY | SFV |
| DATE | JULY 22, 1997 |
| ASBUILT DRAWING PROJECT WATER IMPROVEMENTS PREPARED FOR US HWY #1 WATER LINE EXT. LEXINGTON COUNTY, S.C. WATER LINE PLAN | |
| SEAL | |
| SHEET NO. | 2 OF 2 |
| FILE | 96US1 |

1586
9-39

NOW OR FORMERLY
JAMES W. & BETTY JO SOX
D.B. 71, PG. 566
TPN 004498-03-032
ZONED GC

NOW OR FORMERLY
F. TILLMAN MATHIAS III
D.B. 5933, PG. 231
TPN 004498-03-031
ZONED GC

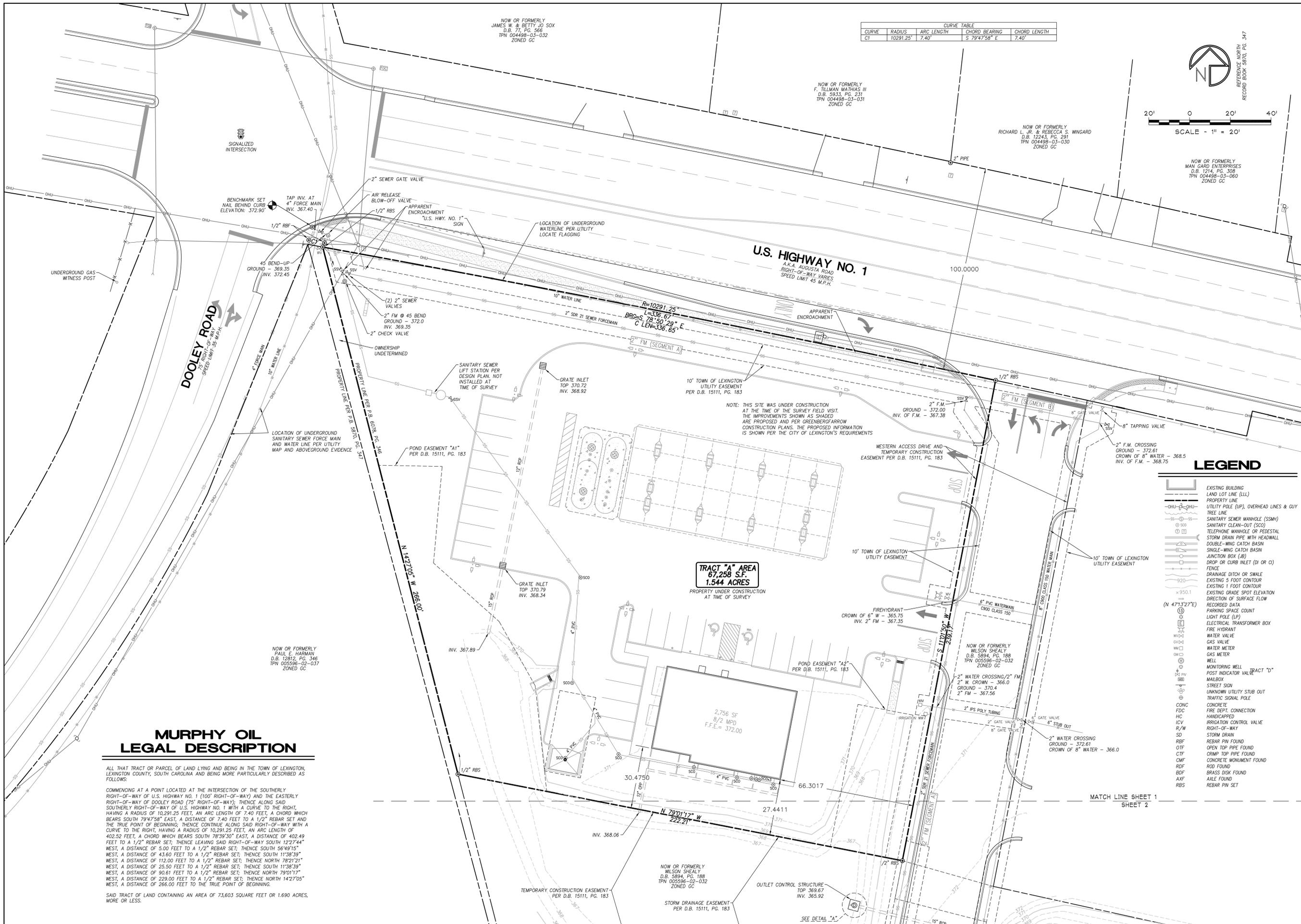
NOW OR FORMERLY
RICHARD L. JR. & REBECCA S. WINGARD
D.B. 12243, PG. 291
TPN 004498-03-030
ZONED GC

NOW OR FORMERLY
MAN CARD ENTERPRISES
D.B. 1214, PG. 308
TPN 004498-03-060
ZONED GC

| CURVE TABLE | | | |
|-------------|-----------|------------|---------------|
| CURVE | RADIUS | ARC LENGTH | CHORD BEARING |
| C1 | 10291.25' | 7.40' | S 79°47'58" E |
| | | | 7.40' |

SCALE - 1" = 20'

Bechtler Greenfield Surveying, LLC
1430 West Peachtree St. NW, Suite 225
Atlanta, Georgia 30309
Phone: (770) 422-8181
Email: info@gsurveying.com



TRACT "A" AREA
67,258 S.F.
1.544 ACRES
PROPERTY UNDER CONSTRUCTION
AT TIME OF SURVEY

LEGEND

- EXISTING BUILDING
- LAND LOT LINE (LL)
- PROPERTY LINE
- UTILITY POLE (UP), OVERHEAD LINES & CUY
- TREE LINE
- SANITARY SEWER MANHOLE (SSMH)
- SANITARY CLEAN-OUT (SCO)
- TELEPHONE MANHOLE OR PEDESTAL
- STORM DRAIN PIPE WITH HEADWALL
- DOUBLE-WING CATCH BASIN
- SINGLE-WING CATCH BASIN
- JUNCTION BOX (JB)
- DROP OR CURB INLET (DI OR CI)
- FENCE
- DRAINAGE DITCH OR SWALE
- EXISTING 5 FOOT CONTOUR
- EXISTING 1 FOOT CONTOUR
- EXISTING GRADE SPOT ELEVATION
- DIRECTION OF SURFACE FLOW
- RECORDED DATA
- PARKING SPACE COUNT
- LIGHT POLE (LP)
- ELECTRICAL TRANSFORMER BOX
- FIRE HYDRANT
- WATER VALVE
- GAS VALVE
- WATER METER
- GAS METER
- WELL
- MONITORING WELL
- POST INDICATOR VALVE
- MAILBOX
- STREET SIGN
- UNKNOWN UTILITY STUB OUT
- TRAFFIC SIGNAL POLE
- CONCRETE
- FIRE DEPT. CONNECTION
- HANDICAPPED
- IRRIGATION CONTROL VALVE
- R/W
- STORM DRAIN
- REBAR PIN FOUND
- OPEN TOP PIPE FOUND
- CRIMP TOP PIPE FOUND
- CONCRETE MONUMENT FOUND
- ROD FOUND
- BRASS DISK FOUND
- AXLE FOUND
- REBAR PIN SET

**MURPHY OIL
LEGAL DESCRIPTION**

ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN THE TOWN OF LEXINGTON, LEXINGTON COUNTY, SOUTH CAROLINA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A POINT LOCATED AT THE INTERSECTION OF THE SOUTHERLY RIGHT-OF-WAY OF U.S. HIGHWAY NO. 1 (100' RIGHT-OF-WAY) AND THE EASTERLY RIGHT-OF-WAY OF DOOLEY ROAD (75' RIGHT-OF-WAY); THENCE ALONG SAID SOUTHERLY RIGHT-OF-WAY OF U.S. HIGHWAY NO. 1 WITH A CURVE TO THE RIGHT, HAVING A RADIUS OF 10,291.25 FEET, AN ARC LENGTH OF 7.40 FEET, A CHORD WHICH BEARS SOUTH 79°47'58" EAST, A DISTANCE OF 7.40 FEET TO A 1/2" REBAR SET AND THE TRUE POINT OF BEGINNING; THENCE CONTINUE ALONG SAID RIGHT-OF-WAY WITH A CURVE TO THE RIGHT, HAVING A RADIUS OF 10,291.25 FEET, AN ARC LENGTH OF 402.52 FEET, A CHORD WHICH BEARS SOUTH 78°39'30" EAST, A DISTANCE OF 402.49 FEET TO A 1/2" REBAR SET; THENCE LEAVING SAID RIGHT-OF-WAY SOUTH 127°44' WEST, A DISTANCE OF 5.00 FEET TO A 1/2" REBAR SET; THENCE SOUTH 56°49'15" WEST, A DISTANCE OF 43.60 FEET TO A 1/2" REBAR SET; THENCE SOUTH 11°38'39" WEST, A DISTANCE OF 112.00 FEET TO A 1/2" REBAR SET; THENCE NORTH 78°21'21" WEST, A DISTANCE OF 25.50 FEET TO A 1/2" REBAR SET; THENCE SOUTH 11°38'39" WEST, A DISTANCE OF 50.61 FEET TO A 1/2" REBAR SET; THENCE NORTH 79°01'17" WEST, A DISTANCE OF 229.00 FEET TO A 1/2" REBAR SET; THENCE NORTH 14°27'05" WEST, A DISTANCE OF 266.00 FEET TO THE TRUE POINT OF BEGINNING.

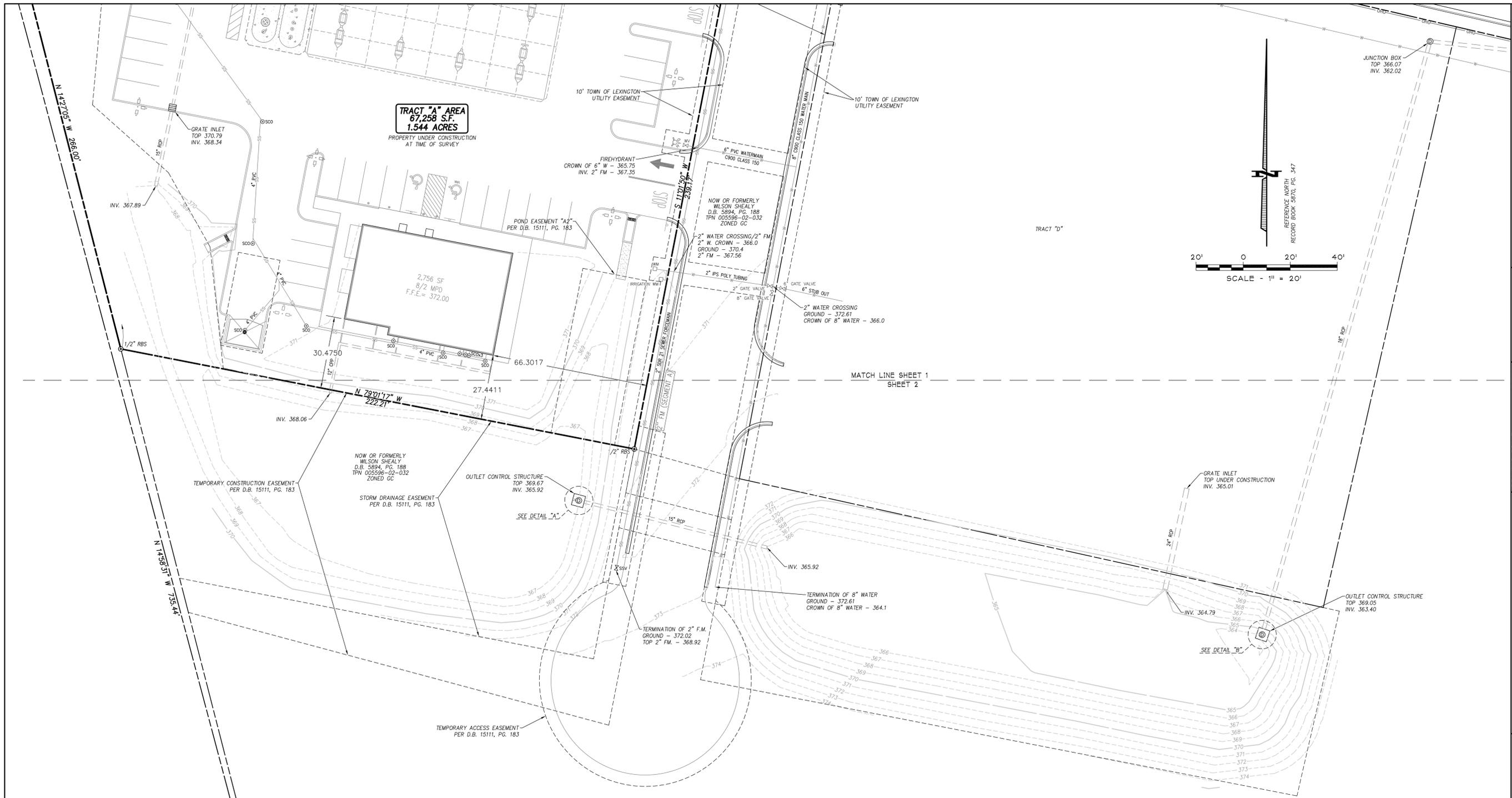
SAID TRACT OF LAND CONTAINING AN AREA OF 73,603 SQUARE FEET OR 1.690 ACRES, MORE OR LESS.

| NO. | DATE | REVISIONS |
|-----|------|-------------|
| 1 | | DESCRIPTION |
| 2 | | |
| 3 | | |

1.544 ACRES
DOOLEY RD. & U.S. HWY. NO. 1
LEXINGTON, S.C. 29073
TOWN OF LEXINGTON
LEXINGTON COUNTY - SOUTH CAROLINA

AS-BUILT SURVEY FOR
MURPHY OIL USA, INC.

PROJECT NO.
11-101-0
DRAWING FILE:
11-101-0-AS-BUILT.DWG
SHEET NO.
S-1
1 OF 3



Bechtler Greenfield Surveying, LLC
 1430 West Peachtree St. NW, Suite 225
 Atlanta, Georgia 30309
 Phone: (770) 422-8181
 Email: info@gsurveying.com

| | |
|----------|-------------|
| DATE | DESCRIPTION |
| 01-24-12 | FIELDWORK |
| 01-31-12 | RELEASE |
| 01-31-12 | DRAWN |
| 01-31-12 | CHECKED |
| 01-31-12 | REVISIONS |
| 01-31-12 | NO. DATE |

1.544 ACRES
DOOLEY RD. & U.S. HWY. NO. 1
LEXINGTON, S.C. 29073
 TOWN OF LEXINGTON
 LEXINGTON COUNTY - SOUTH CAROLINA

AS-BUILT SURVEY FOR
MURPHY OIL USA, INC.

PROJECT NO.
11-101-0
 DRAWING FILE:
 11-101-0-AS-BUILT.DWG
 SHEET NO.
S-2
 2 OF 3

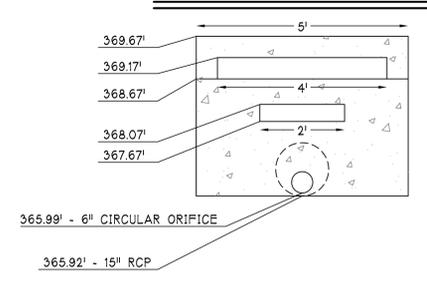
LEGEND

| | | | |
|--|---|--|-------------------------|
| | EXISTING BUILDING | | FIRE HYDRANT |
| | LAND LOT LINE (LLL) | | WATER VALVE |
| | PROPERTY LINE | | GAS VALVE |
| | UTILITY POLE (UP), OVERHEAD LINES & GUY | | WATER METER |
| | TREE LINE | | GAS METER |
| | SANITARY SEWER MANHOLE | | WELL |
| | SANITARY CLEAN-OUT (SCO) | | MONITORING WELL |
| | TELEPHONE MANHOLE | | POST INDICATOR VALVE |
| | STORM DRAIN PIPE WITH HEADWALL | | MAILBOX |
| | DOUBLE-WING CATCH BASIN | | STREET SIGN |
| | SINGLE-WING CATCH BASIN | | TRAFFIC SIGNAL POLE |
| | JUNCTION BOX (JB) | | CONC |
| | DROP OR CURB INLET (DI OR CI) | | FIRE DEPT. CONNECTION |
| | FENCE | | HANDICAPPED |
| | EXISTING 10 FOOT CONTOUR | | IRIGATION CONTROL VALVE |
| | EXISTING 2 FOOT CONTOUR | | RIGHT-OF-WAY |
| | EXISTING GRADE SPOT ELEVATION | | SD |
| | DIRECTION OF SURFACE FLOW | | RBF |
| | RECORDED DATA | | OTF |
| | PARKING SPACE COUNT | | CTF |
| | LIGHT POLE (LP) | | CMF |
| | ELECTRICAL TRANSFORMER BOX | | RF |
| | ELECTRICAL STUB OUT | | BDF |
| | | | AXF |
| | | | RBS |

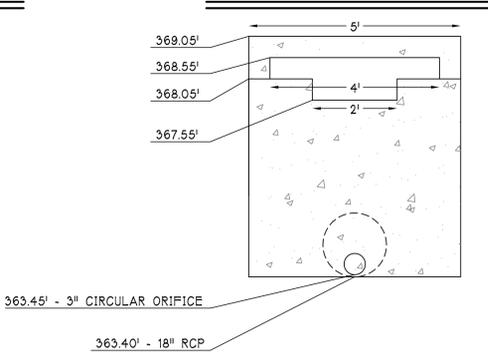
GENERAL NOTES

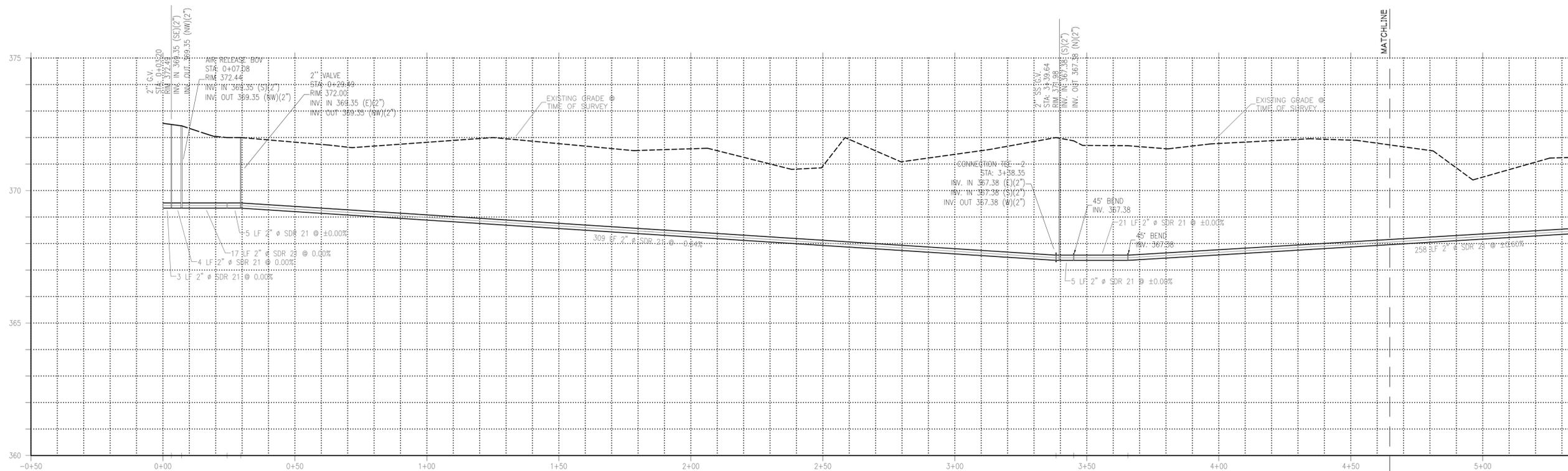
- SURVEY PROCEDURES: THIS SURVEY IS BASED ON MEASUREMENTS OBTAINED USING AN INSTRUMENT CAPABLE OF READING ANGULAR MEASUREMENTS DIRECTLY TO A MINIMUM OF 5 SECONDS OF ARC AND LINEAR DIMENSIONS DIRECTLY TO 0.01 FEET.
- THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 49,554 FEET, AND AN ANGULAR ERROR OF 3 SECONDS PER ANGLE POINT AND WAS ADJUSTED BY COMPASS RULE ADJUSTMENT METHOD.
- THIS PLAT HAS BEEN CALCULATED FOR CLOSURE AND IS FOUND TO BE ACCURATE WITHIN ONE FOOT IN 214,890 FEET.
- TITLE TO THE SURVEYED PROPERTY IS CURRENTLY VESTED IN MURPHY OIL USA, INC. BY VIRTUE OF A DEED RECORDED IN D.B. 15111, PG. 3, LEXINGTON COUNTY, SOUTH CAROLINA RECORDS.
- I HAVE EXAMINED FEMA FLOOD INSURANCE RATE MAP NO. 45063C0252C AND 45063C0256C, BOTH DATED FEBRUARY 9, 2000 AND HAVE DETERMINED BASED SOLELY BY GRAPHICALLY SCALING THE LOCATION ON THE MAP THAT THIS PROPERTY IS SHOWN NOT TO BE LOCATED WITHIN THE LIMITS OF A DESIGNATED FLOOD HAZARD AREA.
- THE BASIS OF NORTH USED FOR THIS SURVEY IS FROM A PLAT FOR WILSON SHEALY BY BEN WHEATSTONE ASSOCIATES, DATED JULY 10, 2000 AND RECORDED IN RECORD BOOK 5870, PG. 347, LEXINGTON COUNTY, SOUTH CAROLINA RECORDS. ELEVATIONS SHOWN ON THIS SURVEY ARE BASED ON NGS MONUMENT "DE1389", DESIGNATED "X 136", ELEVATION OF 363.46" (NAVD 88).
- THE SURVEYED PROPERTY IS ZONED GC (GENERAL COMMERCIAL DISTRICT) WITH AN OVERLAY DISTRICT OF PC (PRESERVATION CORRIDOR DISTRICT) AND CC (COMMERCIAL CORRIDOR DISTRICT) ACCORDING TO THE TOWN OF LEXINGTON, SOUTH CAROLINA PLANNING & ZONING DEPARTMENT AND IS SUBJECT TO THE REQUIREMENTS AND RESTRICTIONS OF THIS ZONING CLASSIFICATION. THE SETBACK REQUIREMENTS FOR THIS ZONING CLASSIFICATION ARE:
 FRONT 30 FT.
 SIDE 5 FT.
 REAR 5 FT.
- THE TAX PARCEL ID FOR THE SUBJECT PROPERTY IS 005596-02-071.
- UTILITY INFORMATION SHOWN ON THIS SURVEY IS BASED ON ABOVE GROUND EVIDENCE OBSERVED AT THE TIME OF FIELD SURVEY. NO CERTIFICATION, GUARANTEE, OR WARRANTY OF ANY KIND IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THE INFORMATION CONCERNING UTILITIES SHOWN OR NOT SHOWN ON THIS SURVEY.

DETAIL "A"

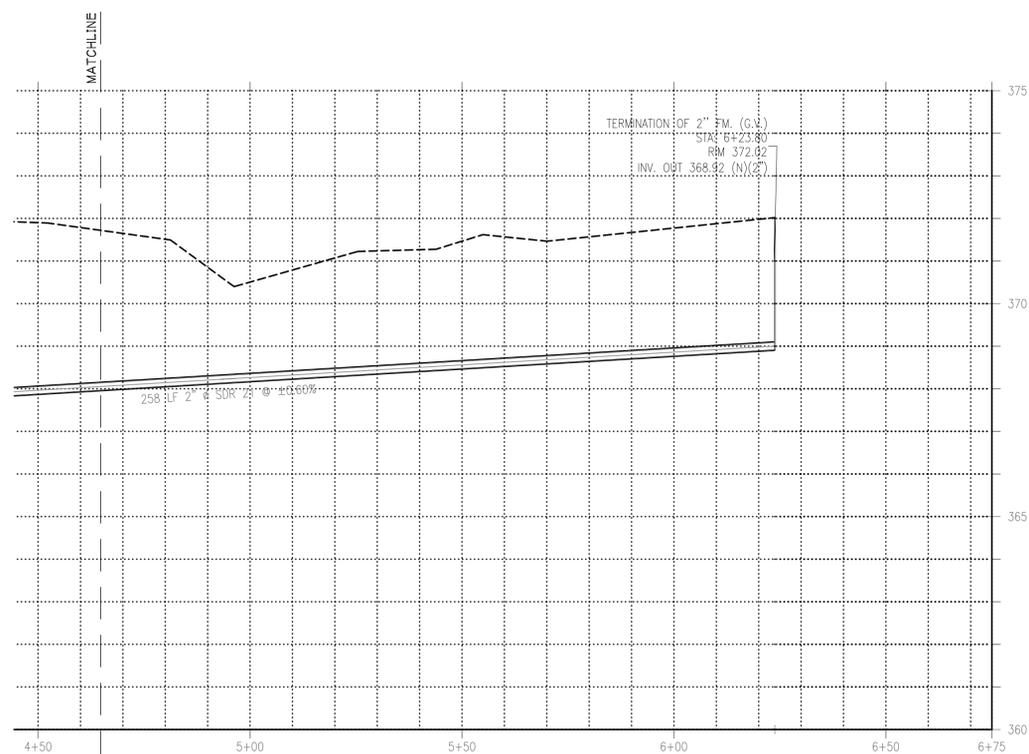


DETAIL "B"

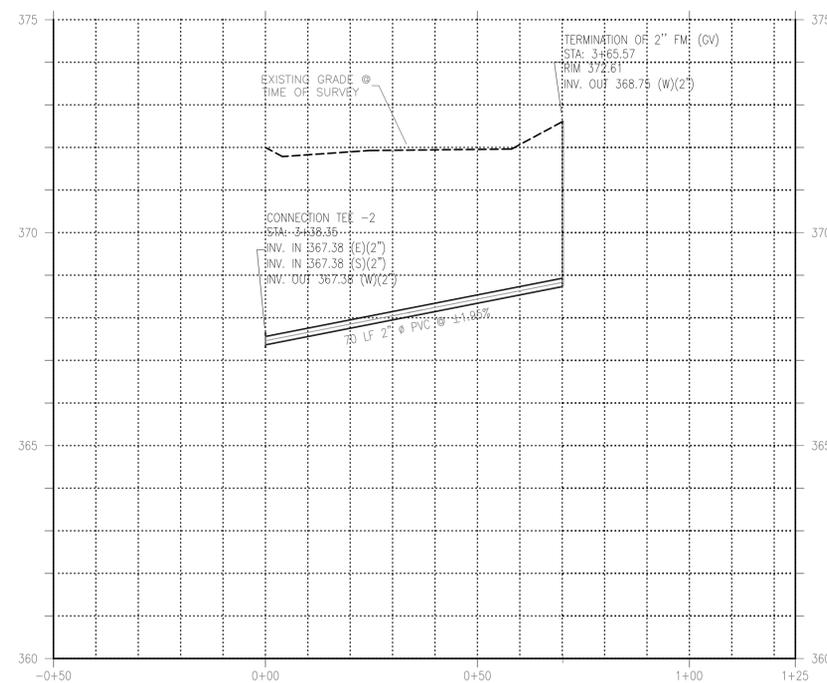




2" FM (SEGMENT A)
 VERTICAL SCALE: 1:2
 HORIZONTAL SCALE: 1:20



2" FM (SEGMENT A)
 VERTICAL SCALE: 1:2
 HORIZONTAL SCALE: 1:20



2" FM (SEGMENT B)
 VERTICAL SCALE: 1:2
 HORIZONTAL SCALE: 1:20

| | | |
|-----------------|--------------|-------------|
| DRAWING SCALE: | 1" = 20' FT. | |
| FIELDWORK DATE: | 01-31-12 | |
| RELEASE DATE: | 01-31-12 | |
| DRAWN BY: | RWS | |
| CHECKED BY: | REA | |
| NO. | DATE | DESCRIPTION |
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |

1.544 ACRES
DOOLEY RD. & U.S. HWY. NO. 1
LEXINGTON, S.C. 29073
 TOWN OF LEXINGTON
 LEXINGTON COUNTY - SOUTH CAROLINA

AS-BUILT SURVEY FOR
MURPHY OIL USA, INC.

PROJECT NO.
11-101-0
 DRAWING FILE:
 11-101-0_AS-BUILT.DWG

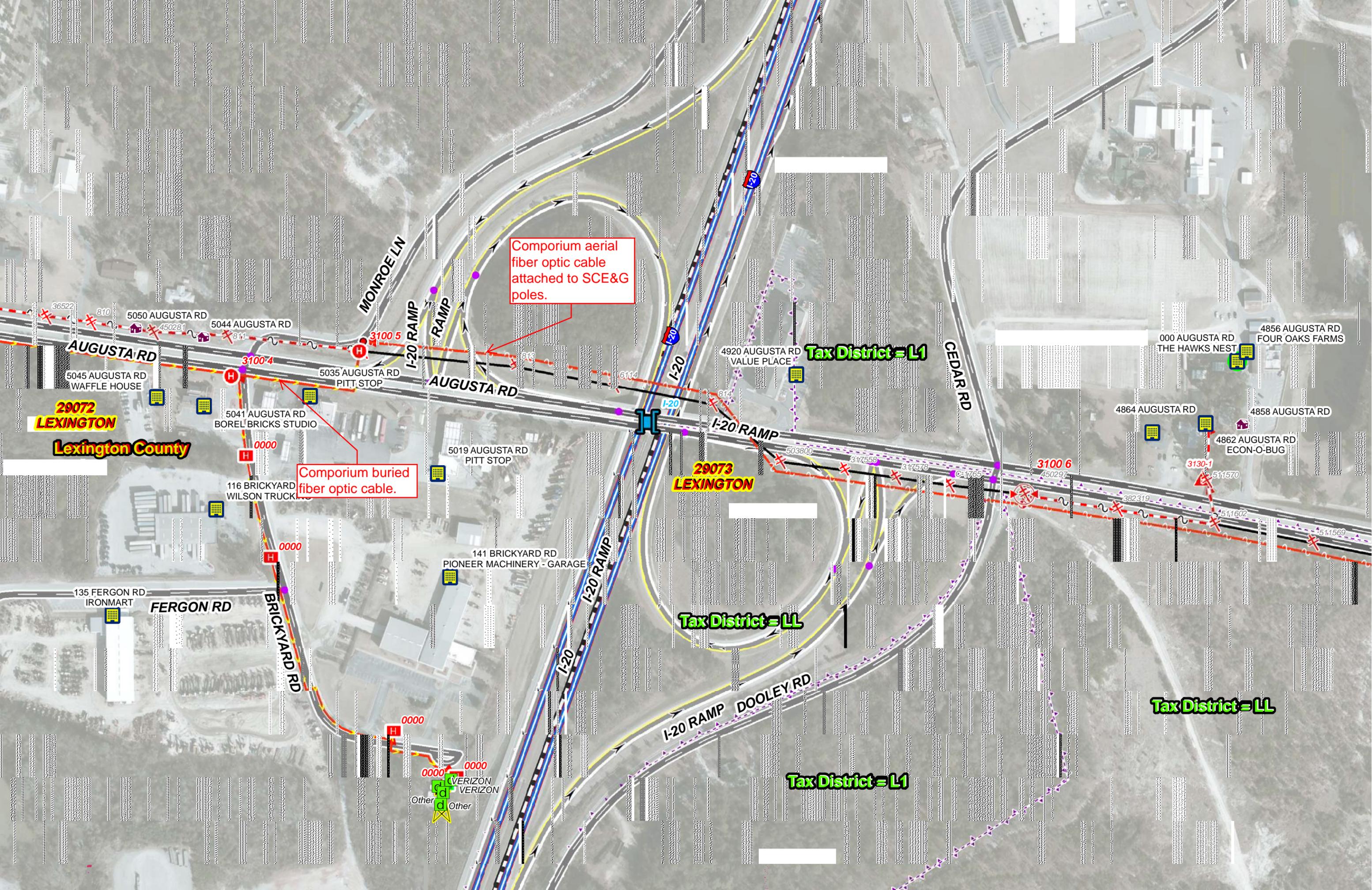
SHEET NO.
S-3
 3 OF 3

Bechtler Greenfield Surveying, LLC
 1430 West Peachtree St. NW, Suite 225
 Atlanta, Georgia 30309
 Phone: (770) 422-8181
 Fax: (770) 422-8181
 Email: info@gsurveying.com

**SCDOT US-1 OVER I-20
DESIGN BUILD**



Comporium As-Builts



Comporium aerial fiber optic cable attached to SCE&G poles.

Comporium buried fiber optic cable.

29072 LEXINGTON
Lexington County

29073 LEXINGTON

Tax District = L1

Tax District = LL

Tax District = LL

Tax District = L1

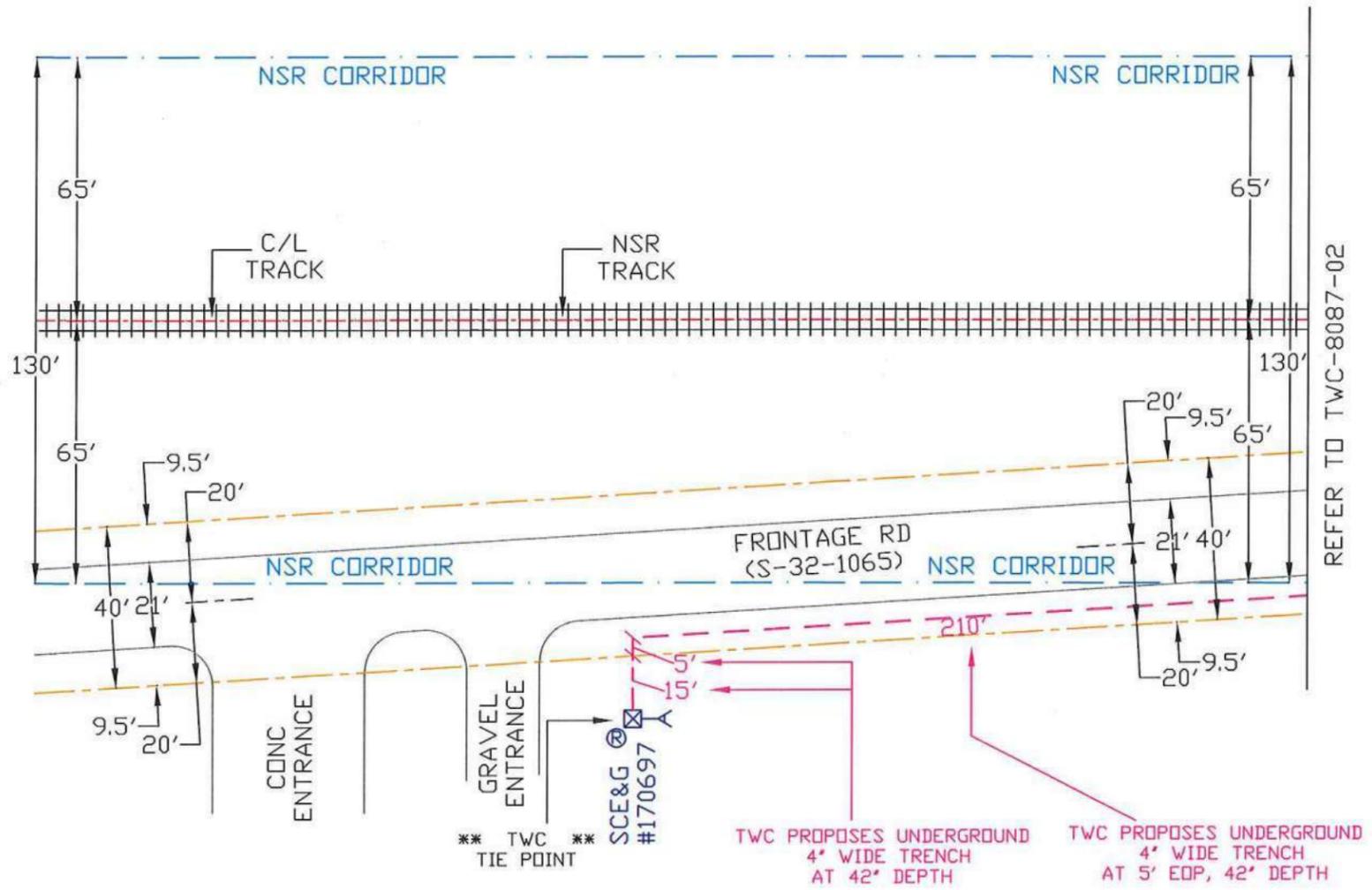


36522 810 5050 AUGUSTA RD 5044 AUGUSTA RD 5045 AUGUSTA RD WAFFLE HOUSE 29072 LEXINGTON Lexington County 5041 AUGUSTA RD BOREL BRICKS STUDIO 116 BRICKYARD WILSON TRUCKS 0000 0000 135 FERGN RD IRONMART FERGN RD BRICKYARD RD 5019 AUGUSTA RD PITT STOP 141 BRICKYARD RD PIONEER MACHINERY - GARAGE 5035 AUGUSTA RD PITT STOP 4920 AUGUSTA RD VALUE PLACE 29073 LEXINGTON 503800 317558 317576 31765 3100 6 450297 382319 511602 511569 3130-1 511570 4864 AUGUSTA RD 4858 AUGUSTA RD 4862 AUGUSTA RD ECON-O-BUG 000 AUGUSTA RD THE HAWKS NEST 4856 AUGUSTA RD FOUR OAKS FARMS CEDAR RD I-20 RAMP I-20 RAMP I-20 RAMP I-20 RAMP I-20 RAMP DOOLEY RD Tax District = L1 Tax District = LL Tax District = LL Tax District = L1

SCDOT US-1 OVER I-20 DESIGN BUILD



Charter As-Builts



REFER TO TWC-8087-02

**** TWC TIE POINT ****
 IS APPROXIMATELY 5,425 FEET
 OR 1.027 MILES EAST OF
 CEDARCREST DR (S-32-167)

* ROW INFO OBTAINED FROM
 SCDOT PLANS ONLINE:
 FILE NO: 32.500, SHEETS #5 - #7
 FILE NO: 32.530, SHEET #7
 FILE NO: P027003, SHEET #U18

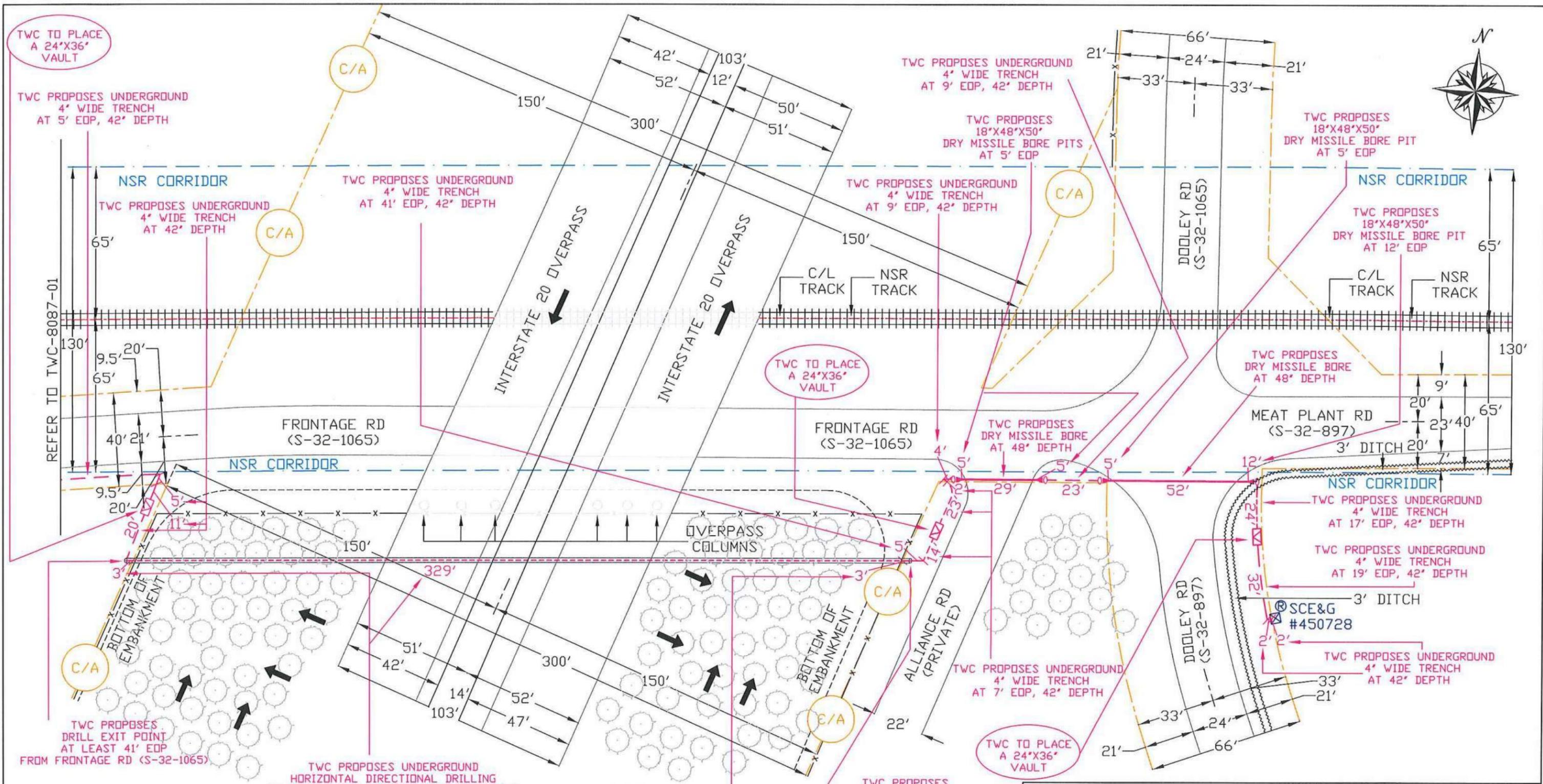
| NO. | DATE | DRAFTER | COMMENT |
|-----|---------|---------|-------------|
| 3 | | | REVISION #2 |
| 2 | | | REVISION #1 |
| 1 | 7/26/16 | SG | ORIGINAL |

- Total cable footage is 215 ft. or .041 miles
- Underground cable to be a minimum of 5' off EOP unless otherwise noted and 3 ft below crossline pipes.
- Pedestal to be placed at edge of Right-of-Way
- Bore under all roads
- Bore pits must be closed immediately after installation
- Bore pits must be 5 ft. from edge of pavement
- Shoulder sod destroyed by this installation to be replaced and this entire disturbed area reshaped and rolled to the cross section existing prior to this work.
- Trench to be properly backfilled and thoroughly tamped.
- The disturbed area shall be reshaped and dressed out in a workmanship-like manner.
- The permittee shall be responsible for any and all damages that occur as a direct result of this installation.
- Permittee shall allow for any embankment areas near road pavement by making sure cable is at all times at least 42' depth under pavement.

| LEGEND | |
|--------|-------------------|
| | PEDESTAL |
| | VAULT |
| | UTILITY POLES |
| | DITCH LINE |
| | SCDOT R.O.W. |
| | EXISTING ROAD EOP |
| | PROPOSED ROAD EOP |
| | BUSH OR TREE |

3347 Platt Springs Road
 West Columbia, SC 29170
 PHONE (803) 744-5595

| | | |
|------------------------------------|-------------------------------|-----------------------|
| SCALE: 1:40 | APPROVED BY: | DRAFTED BY: TELICS |
| I-20 WIDENING - FRELO - JOBY UPTON | | |
| LEXINGTON SCDOT STATE ROADS | DRAWING NUMBER TWC-8087-01 | |



TWC TO PLACE A 24'X36' VAULT

TWC PROPOSES UNDERGROUND 4' WIDE TRENCH AT 5' EOP, 42" DEPTH

TWC PROPOSES UNDERGROUND 4' WIDE TRENCH AT 42" DEPTH

TWC PROPOSES UNDERGROUND 4' WIDE TRENCH AT 41' EOP, 42" DEPTH

TWC PROPOSES UNDERGROUND 4' WIDE TRENCH AT 9' EOP, 42" DEPTH

TWC PROPOSES UNDERGROUND 4' WIDE TRENCH AT 9' EOP, 42" DEPTH

TWC PROPOSES 18'X48'X50' DRY MISSILE BORE PITS AT 5' EOP

TWC PROPOSES 18'X48'X50' DRY MISSILE BORE PIT AT 5' EOP

TWC PROPOSES 18'X48'X50' DRY MISSILE BORE PIT AT 12' EOP

TWC PROPOSES DRY MISSILE BORE AT 48" DEPTH

TWC PROPOSES DRY MISSILE BORE AT 48" DEPTH

TWC PROPOSES UNDERGROUND 4' WIDE TRENCH AT 17' EOP, 42" DEPTH

TWC PROPOSES UNDERGROUND 4' WIDE TRENCH AT 19' EOP, 42" DEPTH

TWC PROPOSES UNDERGROUND 4' WIDE TRENCH AT 42" DEPTH

TWC PROPOSES UNDERGROUND 4' WIDE TRENCH AT 7' EOP, 42" DEPTH

TWC TO PLACE A 24'X36' VAULT

TWC PROPOSES DRILL EXIT POINT AT LEAST 41' EOP FROM FRONTAGE RD (S-32-1065)

TWC PROPOSES UNDERGROUND HORIZONTAL DIRECTIONAL DRILLING AT 6' DEPTH IN 2" HDPE CONDUIT CASING

TWC PROPOSES UNDERGROUND HORIZONTAL DIRECTIONAL DRILLING AT 6' DEPTH IN 2" HDPE CONDUIT CASING

TWC PROPOSES DRILL SET-UP & ENTRY POINT AT LEAST 41' EOP FROM FRONTAGE RD (S-32-1065)

- Total cable footage is 524 ft. or .099 miles
- Underground cable to be a minimum of 5' off EOP unless otherwise noted and 3 ft below crossline pipes.
- Pedestal to be placed at edge of Right-of-Way
- Bore under all roads
- Bore pits must be closed immediately after installation
- Bore pits must be 5 ft. from edge of pavement
- Shoulder sod destroyed by this installation to be replaced and this entire disturbed area reshaped and rolled to the cross section existing prior to this work.
- Trench to be properly backfilled and thoroughly tamped. The disturbed area shall be reshaped and dressed out in a workmanship-like manner.
- The permittee shall be responsible for any and all damages that occur as a direct result of this installation.
- Permittee shall allow for any embankment areas near road pavement by making sure cable is at all times at least 42" depth under pavement.

| LEGEND | |
|--------|-------------------|
| | PEDESTAL |
| | VAULT |
| | UTILITY POLES |
| | DITCH LINE |
| | SCDOT R.O.W. |
| | EXISTING ROAD EOP |
| | PROPOSED ROAD EOP |
| | BUSH OR TREE |

TIME WARNER CABLE 3347 Platt Springs Road
West Columbia, SC 29170
PHONE (803) 744-5595

| | | |
|------------------------------------|--------------|-------------------------------|
| SCALE: 1:40 | APPROVED BY: | DRAFTED BY: TELICS |
| I-20 WIDENING - FRELO - JOBY UPTON | | |
| LEXINGTON SCDOT STATE ROADS | | DRAWING NUMBER TWC-8087-02 |



| | | |
|-----------------|------|------|
| 23.2 | 23.5 | 28.5 |
| 47 | 45.5 | 34.5 |
| 5 | 15 | 11.4 |
| 1L0090A16(76.5) | | |

| | | |
|-----------------|------|------|
| 1L0090A17 | | |
| FN92CL | | |
| 15 | 15.2 | 19.7 |
| 38 | 34.8 | 25.5 |
| 5 | 8 | 11.4 |
| 1L0090A17(79.1) | | |

| | | |
|-----------------|------|------|
| 1L0090A22 | | |
| E92CCLPK | | |
| 29.3 | 28 | 27.5 |
| 47 | 45.5 | 34.5 |
| 11 | 9 | 9.3 |
| 1L0090A22(82.8) | | |

| | | |
|-----------------|------|------|
| 1L0090A19 | | |
| E92CCLPK | | |
| 22.9 | 22.1 | 26 |
| 47 | 45.5 | 34.5 |
| 4 | 14 | 7.3 |
| 1L0090A19(76.1) | | |

| | | |
|----------------|----|------|
| 1L0570A29 | | |
| FMB1GPJ | | |
| 15.9 | 18 | 27.1 |
| 47 | 44 | 35 |
| 3 | 15 | 10.5 |
| 1L0570A29(4.2) | | |
| 2419 | | |

| | | |
|-----------------|------|------|
| 1L0570A31 | | |
| FMB31ALC | | |
| 25.4 | 25.3 | 26.9 |
| 47 | 44 | 35 |
| 11 | 10 | 10.3 |
| 1L0570A31(43.6) | | |
| 938 | | |

| | | |
|-----------------|------|------|
| 1L0570A27 | | |
| FMB31ALC | | |
| 21.8 | 21.3 | 24.3 |
| 47 | 44 | 35 |
| 3 | 12 | 7.4 |
| 1L0570A27(43.1) | | |
| 953 | | |

| | | |
|-----------------|------|------|
| 1L0570A30 | | |
| FMB31ALC | | |
| 19.8 | 20.8 | 27.5 |
| 47 | 44 | 35 |
| 10 | 18 | 10.4 |
| 1L0570A30(43.4) | | |
| 1406 | | |

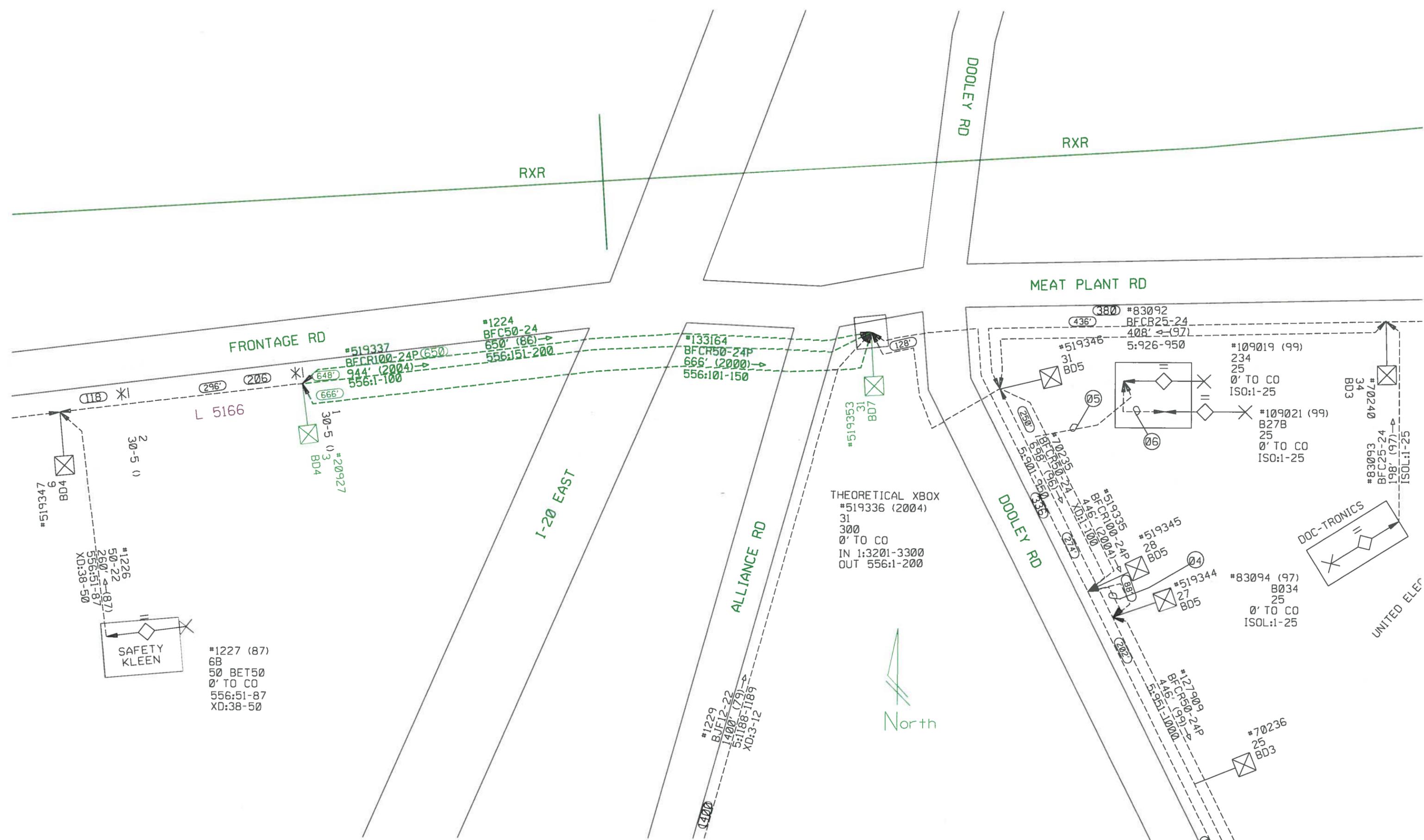
1L009

1L057

**SCDOT US-1 OVER I-20
DESIGN BUILD**



**Windstream Communications As-
builts**



#1224
BFCR50-24
650' (86) →
556:151-200

#519337
BFCR100-24P (650)
944' (2004) →
556:1-100

#133164
BFCR50-24P
666' (2000) →
556:101-150

#519347
BD4

#1226
50-22
260' ← (87)
556:51-87
XD:38-50

L 5166

#20927
30-5 (3)
BD4

#1227 (87)
6B
50 BET50
0' TO CO
556:51-87
XD:38-50

THEORETICAL XBOX
#519336 (2004)
31
300
0' TO CO
IN 1:3201-3300
OUT 556:1-200

#1229
BIF12-22
1400'
5:1188-1189
XD:3-12

#83092
BFCR25-24
408' ← (97)
5:926-950

#519346
31
BD5

#109019 (99)
234
25
0' TO CO
ISO:1-25

#109021 (99)
B27B
25
0' TO CO
ISO:1-25

#70240
34
BD3

#83093
BFCR25-24
198' (97) →
ISO:1-25

#519335
BFCR100-24P
446' (2004) →
XD:1-100

#519345
28
BD5

#519344
27
BD5

#83094 (97)
B034
25
0' TO CO
ISO:1-25

#127909
BFCR50-24P
446' (59) →
5:551-1000

#70236
25
BD3