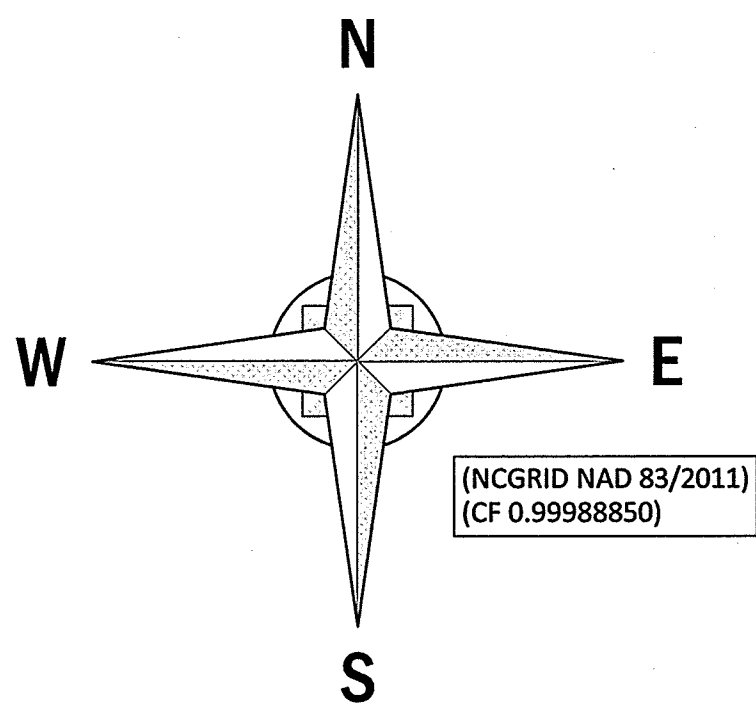
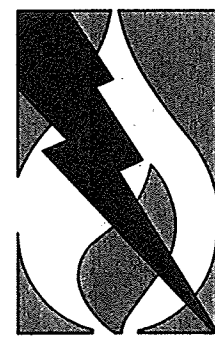




(NCGRID NAD 83/2011)
(CF 0.99988850)

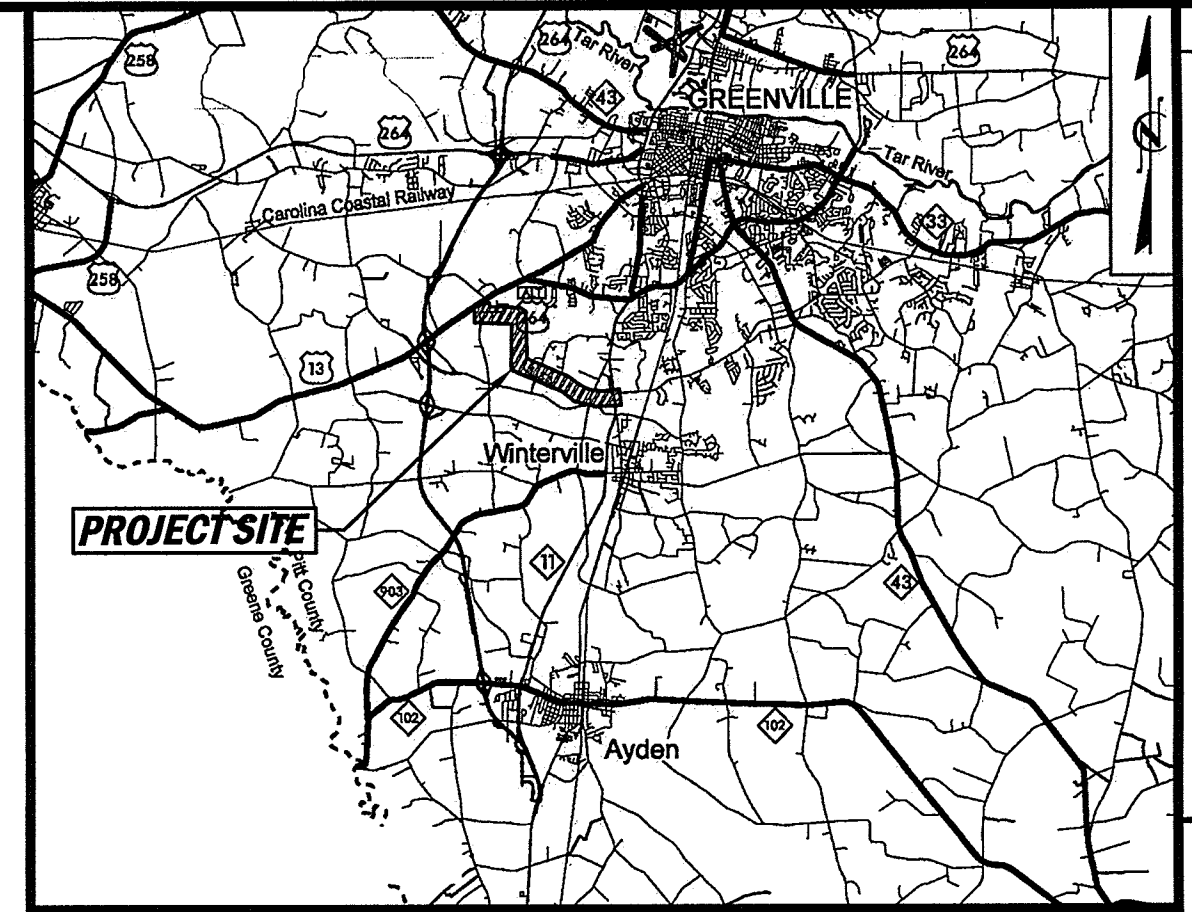
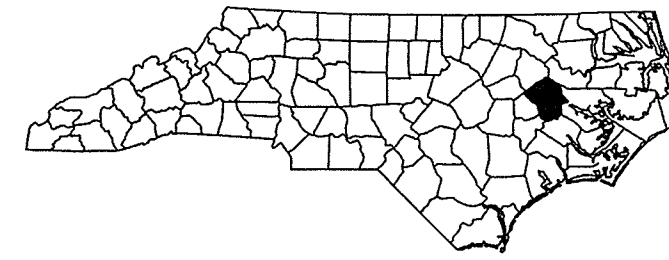


GREENVILLE UTILITIES COMMISSION

GCP-10094 THOMAS LANGSTON

ROAD ENHANCEMENTS

PITT COUNTY, NORTH CAROLINA



VICINITY MAP

LEGEND

- TEMPORARY BENCH MARK
- PROP. GAS MAIN
- EXIST. GAS MAIN
- EXIST. GAS VALVE
- PROP. WATER MAIN (BY OTHERS)
- EXIST. WATER MAIN
- EXIST. FIRE HYDRANT
- PROP. OVERHEAD POWER (BY OTHERS)
- EXIST. OVERHEAD POWER
- EXIST. UG TELEPHONE CABLE
- EXIST. SANITARY SEWER
- UTILITY POLE
- TELEPHONE PED
- TELEPHONE BOX
- TELEPHONE VAULT
- CABLE TV PED
- ELECTRICAL TRANSFORMER
- FIBER OPTIC PED
- RIGHT OF WAY
- CENTERLINE R/W
- CONTROLLED ACCESS
- EXIST. PROPERTY LINE
- EXIST. SIGN
- EXIST. CULVERT
- DRIVEWAY (CONCRETE OR ASPHALT)
- DETAIL NUMBER
- SHEET NUMBER
- STATION
- PROPOSED
- EXISTING
- PARCEL NUMBER DESIGNATION (SEE EASEMENT SUMMARY SHEET T3)
- PE GAS MAIN INSTALLED BY DIRECTIONAL BORE

INDEX TO SHEETS

- T1** Cover and Legend
- T2** General Notes, Bill of Materials, and Erosion Control
- T3** Easement Summary Sheet
- C1** Plan-Profile - Sta. 0+00 to Sta. 11+50
- C2** Plan-Profile - Sta. 11+50 to Sta. 23+50
- C3** Plan-Profile - Sta. 23+50 to Sta. 35+50
- C4** Plan-Profile - Sta. 35+50 to Sta. 45+76
- C5** Plan-Profile - Sta. 45+76 to Sta. 57+80
- C6** Plan-Profile - Sta. 57+80 to Sta. 69+78
- C7** Plan-Profile - Sta. 69+78 to Sta. 81+97
- C8** Plan-Profile - Sta. 81+97 to Sta. 93+86
- C9** Plan-Profile - Sta. 93+86 to Sta. 105+88
- C10** Plan-Profile - Sta. 105+88 to Sta. 117+87
- C11** Plan-Profile - Sta. 117+87 to Sta. 129+87
- C12** Plan-Profile - Sta. 129+87 to Sta. 141+89
- C13** Plan-Profile - Sta. 141+89 to Sta. 153+89
- C14** Plan-Profile - Sta. 153+89 to Sta. 165+55
- C15** Plan-Profile - Sta. 165+55 to Sta. 174+88
- C16** Plan-Profile - Sta. 174+88 to End
- D1** Traffic Control Details
- D2** Erosion Control and Miscellaneous Details
- D3** Miscellaneous Details
- D4** Miscellaneous Details
- D5** Miscellaneous Details

NORTH CAROLINA

COUNTY OF PITT

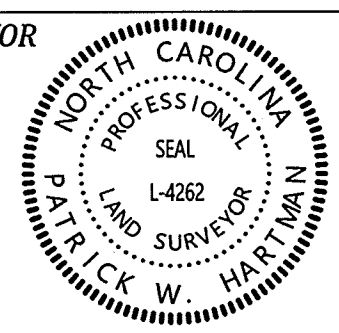
I, PATRICK W. HARTMAN, P.L.S., CERTIFY THAT THE SURVEY CONTROL SHOWN HEREON WAS DEVELOPED FROM AN ACTUAL GPS SURVEY MADE BY RB/MS ON THE DATES NOTED BELOW. THE VERTICAL AND HORIZONTAL CONTROL WAS ESTABLISHED AT THE SITE BY NC RTN SOLUTION AS NOTED.

- CLASS OF SURVEY: CLASS A (HORIZONTAL) CLASS C (VERTICAL)
- POSITIONAL ACCURACY: 2 CM (HORIZONTAL)
- TYPE OF GPS FIELD PROCEDURE: NCGS VRS RTN
- DATE OF SURVEY WORK: 2/23-24/2018 and 3/1/17
- DATUM/EPOCH: NAD83/2011 (MULTIPLE OBSERVATIONS)
- PUBLISHED CONTROL/FIXED CONTROL: NCGS VRS RTN
- GEOID MODEL: GEOID12B
- COMBINED GRID FACTOR: 0.999888915
- UNITS: US SURVEY FEET

AND THAT THE EXISTING TOPOGRAPHIC INFORMATION DEPICTED ON THESE PLANS WAS TAKEN FROM AN AERIAL SURVEY PERFORMED BY SPATIAL DATA CONSULTANTS, INC. DELIVERED ON APRIL 10, 2017 (SDC PROJECT REPORT# 17013_17PA-148), SUPPLEMENTED WITH FIELD SURVEYS BY RIVERS AND ASSOCIATES, INC. IN THE OBLSCURED AREAS. THE FINAL PLANNIMETRIC/TROPORAPHIC SURVEY WAS DELIVERED ON APRIL 10, 2017 OF THE AREAS SHOWN. HORIZONTAL AND VERTICAL PROJECT CONTROL USED IS AS NOTED; DRAFTING OF COLLECTED DATA WAS NOT PERFORMED UNDER MY SUPERVISION. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 26TH DAY OF MARCH, A.D. 2018.

PROFESSIONAL LAND SURVEYOR

LICENSE No. L-4262



SURVEY HORIZONTAL CONTROL

POINT	NORTHING (US FT-GROUND)	EASTING (US FT-GROUND)	ELEVATION (NAVD88)	DESCRIPTION	GRID NORTHING (US FT-NAD 83/2011)	GRID EASTING (US FT-NAD 83/2011)
1	666350.72	2462289.78	79.27	PANEL 1 - MAG NAIL		
2	665256.37	2462324.73	76.86	PANEL 2 - 9" SPIKE		
3	665388.85	2465735.88	74.23	PANEL 3 - 9" SPIKE		
4	663972.36	2467096.47	73.65	PANEL 4 - MAG NAIL		
5	666263.13	2464684.05	76.58	PANEL 5 - MAG NAIL		
6	663237.62	2464488.10	73.32	PANEL 6 - 9" SPIKE		
7	661658.23	2466590.54	73.25	PANEL 7 - MAG NAIL	661658.23	2466590.54
8	660928.62	2465302.05	74.40	PANEL 8 - MAG NAIL		
9	664923.68	2463642.37	77.46	PANEL 9 - MAG NAIL		
10	658993.73	2473970.26	68.35	PANEL 10 - MAG NAIL		
11	657424.85	2474321.63	72.19	PANEL 11 - MAG NAIL		
12	659545.57	2468661.89	72.36	PANEL 12 - MAG NAIL		
13	660758.02	2468811.87	74.06	PANEL 13 - MAG NAIL		
14	659294.90	2471965.43	67.89	PANEL 14 - MAG NAIL		
15	658257.18	2472029.61	70.98	PANEL 15 - MAG NAIL		
54	658080.90	2474106.82	68.26	CPNAIL GPS - 9" SPIKE		
55	658055.10	2472486.58	67.38	CPNAIL GPS - 9" SPIKE		
56	660154.41	2468665.83	72.95	CPMAG GPS - MAG NAIL		
57	659675.52	2469479.45	69.91	CPMAG GPS - MAG NAIL		
58	660203.68	2469048.55	71.80	CPMAG GPS - MAG NAIL		
59	660636.34	2467715.62	74.21	CPMAG GPS - MAG NAIL		
60	660717.13	2467159.81	73.69	CPNAIL GPS - 9" SPIKE		
61	660937.95	2466251.18	74.55	CPNAIL GPS - 9" SPIKE		
62	661291.13	2466473.57	72.62	CPMAG GPS - MAG NAIL		
63	661011.11	2465733.08	73.82	CPNAIL GPS 9" SPIKE		
64	661915.86	2465559.52	73.00	CPNAIL GPS - 9" SPIKE		
65	661831.32	2464593.41	73.64	CPNAIL GPS - 9" SPIKE		
66	665603.97	2463521.83	78.18	CPNAIL GPS - 9" SPIKE		
67	665581.88	2462692.66	77.88	CPNAIL GPS - 9" SPIKE		
68	664662.51	2465743.82	74.04	CPNAIL GPS - 9" SPIKE		

PROJECT CONTROL LOCALIZED TO GROUND AROUND PANEL #7; CALCULATED COMBINED FACTOR = 0.999888915.

REVISIONS:

REV	DESCRIPTION	DATE	BY
1			

Greenville
Utilities

GREENVILLE UTILITIES COMMISSION
GCP-10094 THOMAS LANGSTON
ROAD ENHANCEMENTS

NORTH CAROLINA
PITT COUNTY

Rivers
& ASSOCIATES, INC.
riversandassociates.com
107 East Second Street
Greenville, NC 27838
(252) 752-4135
Landscape Architects



SURVEY	FLS	JML
DESIGN	FLS	FLS
PROJECT No.	2017024	
DRAWING No.	W-3749	
SCALE:	NOT TO SCALE	
SHEET No.	OF 24	

T1

1. ALL WORK WILL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY. NO LAND DISTURBING ACTIVITY BEYOND THAT REQUIRED TO INSTALL THE APPROPRIATE EROSION CONTROL MEASURE MAY PROCEED UNTIL MEASURES ARE INSPECTED AND APPROVED.
2. SEED PREPARATION SHALL BE CONDUCTED ACCORDING TO NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES (NCDOT) WHERE APPLICABLE. THE GROUND SURFACE SHALL BE CLEARED OF STUMPS, STONES, ROCKS, CABLES, WIRE, GRADE STAKES, AND OTHER MATERIALS THAT MIGHT HINDER PROPER GRADING, TILLAGE, SEEDING OR SUBSEQUENT MAINTENANCE OPERATIONS. GRADES ON THE AREA TO BE SEEDED SHALL BE MAINTAINED IN A TRUE AND EVEN CONDITION. MAINTENANCE SHALL INCLUDE ANY NECESSARY REPAIRS TO PREVIOUSLY GRADED AREAS. ALL GRADED AREAS SHALL BE THOROUGHLY TILLED TO A DEPTH OF AT LEAST FOUR (4) INCHES BY PLOWING, DISKING, HARROWING, OR OTHER APPROVED METHODS UNTIL THE TOP LAYER OF THE SOIL IS AS FINE AS POSSIBLE. ON SITES WHERE SOIL CONDITIONS ARE SUCH THAT HIGH CLAY CONTENT AND EXCESSIVE COMPACTION CAUSE DIFFICULTY IN GETTING LODS AND LUMPS EFFECTIVELY PULVERIZED, THE CONTRACTOR SHALL USE THE ROTARY TILLAGE MACHINERY UNTIL THE MIXING OF THE SOIL IS ACCEPTABLE AND NO LODS OR CLUMPS REMAIN LARGER THAN 1 1/2 INCHES IN DIAMETER. A FIRM AND COMPACT SEED BED IS REQUIRED AND AFTER BEING GRADED, THE SEED BED SHALL BE LIGHTLY COMPACTED WITH A LAND ROLLER, SUCH AS A CULTIPACER, BEFORE AND AFTER SEEDING. LIMESTONE SHALL BE DOLOMITIC AGRICULTURE GROUND LIMESTONE CONTAINING NOT LESS THAN 10 PERCENT MAGNESIUM OXIDE. LIME SHALL BE UNIFORMLY APPLIED AT THE RATE OF 2 TONS PER ACRE AS TESTING REQUIRES PER 100 POUNDS. IF THE SOIL IS ACIDIC, SPECIFIC NUTRIENTS, FERTILIZER SHALL BE INCORPORATED INTO THE UPPER THREE OR FOUR INCHES OF PREPARED SEED BED JUST PRIOR TO THE LAST TILLAGE OPERATION. BUT IN NO CASE SHALL IT BE APPLIED MORE THAN THREE DAYS PRIOR TO SEEDING. FERTILIZER SHALL BE USED IMMEDIATELY AFTER DELIVERY OR STORED IN A MANNER THAT WILL NOT PERMIT IT TO HARDEN OR DESTROY ITS EFFECTIVENESS.

<u>PLANTING DATE</u>	<u>SEEDING MIXTURE AND RATE</u>
DEC. 1- APR. 15	120#/ACRE RYE (GRAIN), AND 50#/ACRE KOBE LESPEDEZA
	<u>SOIL AMENDMENTS</u>
	FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.
	<u>MULCH</u>
	APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKLING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED. A MULCH ANCHORING TOOL.

APR. 15- AUG. 15

40#/ACRE GERMAN MILLET

SOIL AMENDMENTS

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY
2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND
750 LB/ACRE 10-10-10 FERTILIZER.

MULCH

APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKLING
WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL.
A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED
AS A MULCH ANCHORING TOOL.

AUG. 15- DEC. 30

120H/ACRE RYE (GRAIN)

SOIL AMENDMENTS

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY
2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND
1,000 LB/ACRE 10-10-10 FERTILIZER.

MULCH

APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKLING
WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL
A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED
AS A MULCH ANCHORING TOOL.

A. SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:

- I. ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
- II. ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.

B. CONDITIONS - IN MEETING THE STABILIZATION REQUIREMENTS ABOVE, THE FOLLOWING CONDITIONS OR EXEMPTIONS SHALL APPLY:

- I. EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE.
- II. ALL SLOPES 50° IN LENGTH OR GREATER SHALL APPLY THE GROUND COVER WITHIN 7 DAYS EXCEPT WHEN THE SLOPE IS FLATTER THAN 4:1. SLOPES LESS THAN 50° SHALL APPLY GROUND COVER WITHIN 14 DAYS EXCEPT WHEN SLOPES ARE STEEPER THAN 3:1, THE 7-DAY REQUIREMENT APPLIES.
- III. ANY SLOPED AREA FLATTER THAN 4:1 SHALL BE EXEMPT FROM THE 7-DAY GROUND COVER REQUIREMENT.
- IV. SLOPES 10° OR LESS IN LENGTH SHALL BE EXEMPT FROM THE 7-DAY GROUND COVER REQUIREMENT EXCEPT WHEN THE SLOPE IS STEEPER THAN 2:1.
- V. ALTHOUGH STABILIZATION IS USUALLY SPECIFIED AS GROUND COVER, OTHER METHODS, SUCH AS CHEMICAL STABILIZATION, MAY BE ALLOWED ON A CASE-BY-CASE BASIS.
- VI. FOR PORTIONS OF PROJECTS WITHIN ONE MILE AND DRAINING TO TROUT WATERS AND HIGH QUALITY WATERS AS CLASSIFIED BY THE ENVIRONMENTAL MANAGEMENT COMMISSION, STABILIZATION WITH GROUND COVER SHALL BE ACHIEVED AS SOON AS PRACTICABLE BUT IN ANY EVENT ON ALL AREAS OF THE SITE WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACT.
- VII. FOR PORTIONS OF PROJECTS LOCATED IN OUTSTANDING RESOURCE WATERS WATERSHEDS AS CLASSIFIED BY THE ENVIRONMENTAL MANAGEMENT COMMISSION, STABILIZATION WITH GROUND COVER SHALL BE ACHIEVED AS SOON AS PRACTICABLE BUT IN ANY EVENT ON ALL AREAS WITHIN CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACT.
- VIII. PORTIONS OF A SITE THAT ARE LOWER IN ELEVATION THAN ADJACENT DISCHARGE LOCATIONS AND ARE NOT EXPECTED TO DISCHARGE DURING CONSTRUCTION MAY BE EXEMPT FROM THE TEMPORARY GROUND COVER REQUIREMENTS IF IDENTIFIED ON THE APPROVED E&S PLAN OR ADDED BY THE PERMITTING AUTHORITY.

3. NAME OF THE PERSON PERFORMING THE INSPECTION,
4. EVIDENCE OF INDICATORS OF STORMWATER POLLUTION SUCH AS OIL SHEEN, FLOATING OR SUSPENDED SOLIDS OR DISCOLORATION,
5. INDICATION OF VISIBLE SEDIMENT LEAVING THE SITE,
6. ACTIONS TAKEN TO CORRECT/PREVENT SEDIMENTATION AND
7. DATE OF ACTIONS TAKEN.
- III. VISIBLE SEDIMENTATION FOUND OUTSIDE THE SITE LIMITS: INSPECTION RECORDS MUST INCLUDE:
1. AN EXPLANATION AS TO THE ACTIONS TAKEN TO CONTROL FUTURE RELEASES,
 2. ACTIONS TAKEN TO CLEAN UP OR STABILIZE THE SEDIMENT THAT HAS LEFT THE SITE LIMITS AND
 3. THE DATE OF ACTIONS TAKEN.
- IV. VISIBLE SEDIMENTATION FOUND IN STREAMS OR WETLANDS: ALL INSPECTIONS SHOULD INCLUDE AN EVALUATION OF STREAMS OR WETLANDS ONSITE OR OFFSITE (WHERE ACCESSIBLE) TO DETERMINE IF VISIBLE SEDIMENTATION HAS OCCURRED.
- V. VISIBLE STREAM TURBIDITY - IF THE DISCHARGE FROM A SITE RESULTS IN VISIBLE STREAM TURBIDITY INSPECTION RECORDS MUST RECORD THAT EVIDENCE AND ACTIONS TAKEN TO REDUCE SEDIMENT CONTRIBUTIONS. SITES DISCHARGING TO STREAMS NAMED ON THE STATE'S 303(d) LIST AS IMPAIRED OR SEDIMENT-RELATED CAUSES MAY BE REQUIRED TO PERFORM ADDITIONAL MONITORING, INSPECTIONS OR APPLICATION OF MORE-STRINGENT MANAGEMENT PRACTICES IF IT IS DETERMINED THAT THE ADDITIONAL REQUIREMENTS ARE NEEDED TO ASSURE COMPLIANCE WITH THE FEDERAL OR STATE WATER QUALITY STANDARDS. IF A DISCHARGE COVERED BY THIS PERMIT ENTERS A STREAM SEGMENT THAT IS LISTED ON THE IMPAIRED STREAM LIST FOR SEDIMENT-RELATED CAUSES, AND A TOTAL MAXIMUM DAILY LOAD (TMDL) HAS BEEN PREPARED FOR THOSE POLLUTANTS, THE PERMITTEE MUST IMPLEMENT MEASURES TO ENSURE THAT THE DISCHARGE OF POLLUTANTS FROM THE SITE IS CONSISTENT WITH THE ASSUMPTIONS AND MEETS THE REQUIREMENTS OF THE APPROVED TMDL. THE TMDL 303(d) LIST CAN BE FOUND AT: http://h2o.enr.state.nc.us/TMDL/qualified_303d.htm
- VI. IN THE EVENT OF A CONFLICT BETWEEN THE REQUIREMENTS OF THE SEDIMENTATION POLLUTION CONTROL PLAN, SUBMITTED UNDER THIS PERMIT, AND THE CONTRACT SPECIFICATIONS, THE MORE RESTRICTIVE REQUIREMENT SHALL APPLY. LAND-DISTURBING AND SEDIMENTATION CONTROL SHALL BE CONDUCTED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.
- VII. THE BEST APPROVED EROSION AND SEDIMENTATION CONTROL PLAN WILL BE USED DURING PERIODIC INSPECTION INSPECTIONS TO DETERMINE COMPLIANCE AND A COPY OF THE PLAN MUST BE ON FILE AT THE SITE. IF IT IS DETERMINED THAT THE IMPLEMENTED PLAN IS INADEQUATE, THIS OFFICE MAY REQUIRE IMPLEMENTATION OF ADDITIONAL MEASURES AND/OR THAT THE PLAN BE REVISED TO COMPLY WITH STATE REQUIREMENTS.
- VIII. A SIGNAGE PLAN APPROVAL MUST BE POSTED AT THE PRIMARY ENTRANCE TO THE JOB SITE AND OUTSIDE THE SITE IS PERMANENTLY STABILIZED.
- IX. A BUFFER ZONE, SUFFICIENT TO RESTRAIN VISIBLE SEDIMENTATION WITHIN THE FIRST 25% OF THE WIDTH TO THE LAND DISTURBANCE, MUST BE PROVIDED AND MAINTAINED BETWEEN THE LAND-DISTURBING ACTIVITY AND ANY ADJACENT PROPERTY OR WATERCOURSE.
- X. TO COMPLY WITH THE INTENT OF THE ACT, THE SCHEDULING OF THE LAND-DISTURBING ACTIVITIES SUCH THAT BOTH THE AREA OF EXPOSURE AND THE TIME BETWEEN LAND DISTURBANCE AND SEDIMENTATION IS MINIMIZED.
- XI. TEMPORARY, MANUFACTURED, LINING MATERIAL HAS BEEN SPECIFIED, A CLEAN STRAW MULCH APPLIED, AT A MINIMUM RATE OF 2 TONS/ACRE, TO ALL SEEDED AREAS. THE MULCH MUST COVER 80% OF THE SEEDED AREA AFTER IT IS EITHER TACKLED WITH AN ACCEPTABLE TACKLING MATERIAL, OR IN PLACE.
- XII. THE APPROPRIATE MEASURES MUST BE PROPERLY INSTALLED DOWNSTREAM, WITHIN THE LIMITS OF THE DISTURBANCE, OF ANY LAND-DISTURBING ACTIVITY TO PREVENT SEDIMENT FROM LEAVING THE LIMITS OF DAMAGE, ENTERING EXISTING DRAINAGE SYSTEMS, IMPACTING AN ON-SITE NATURAL WATERCOURSE OR ADJACENT WATERCOURSE.
- XIII. EROSION CONTROL, INCLUDING OUTLET SECTIONS, ARE NOT APPROPRIATE FOR AREAS OF CONCENTRATED FLOW AREAS OR DITCHES. PROVIDE ADEQUATE AND APPROPRIATE MEASURES FOR ALL CONSTRUCTION AREAS OF CONCENTRATED FLOW.
- XIV. THE EROSION CONTROL PLAN/DESIGN/CLEANUP PROCESS MUST BE PROVIDED ON A GRADE THAT IS MAINTAINED TO REMAIN VEGETATIVE OR OTHER APPROPRIATE COVER.
- XV. GIVEN TIME WITHIN THE PROJECT AREA, THE MAXIMUM AFFECTED, EXPOSED AND "UNRESTORED" DISTURBED AREA SHALL BE LIMITED TO THE LESSER OF 2 (TWO) ACRES OR THE EFFECTIVE LENGTH ALONG ANY GIVEN ROAD OR WATERCOURSE LIMITED TO THE LESSER OF 2 (TWO) ACRES OR THE EFFECTIVE LENGTH ALONG ANY GIVEN ROAD (APPROXIMATELY 2 MILES). A ROAD SECTION BEING DEFINED AS A CONTINUOUS SECTION OF ROAD WITHIN THE SAME SR NUMBER OR ROAD NAME.
- XVI. SILT FENCE OVER AND AROUND THE TOP OF EXISTING PILES AND INLETS AT DISTURBED AREAS.
- XVII. DISTURBED AREAS SHALL BE GRADED TO MINIMIZE RUNOFF.
- XVIII. EXISTING DITCHES AND DRAINAGE ALONG FENCES TO MINIMIZE SEDIMENT DRAINING FROM ENTERING DITCHES AND EXISTING DRAINAGE OUTLETS.
- XIX. EROSION CONTROL MEASURES AROUND STOCK/WASTE PILES AND STAGING AREAS AS NEEDED OR CATCHED BY ENGINEER.
- XX. STORM PILE INLETS FROM SEDIMENT RUNOFF FROM LAND DISTURBING ACTIVITIES WITH SILT STONE CHECK DAM, OR ABC FILTER AS APPROPRIATE FOR SITE CONDITIONS.
- XXI. EXISTING STORM PILE OUTLET PROTECTION WITH EQUAL OR GREATER AMOUNT OF RIP-RAP OR 15 DAYS OF DISTURBANCE - OR AS REQUIRED BY NCDENR-DEMILK.
- XXII. EXISTING STORM PILE INLETS SHALL BE PROTECTED BY A RIP-RAP PROTECTION EXISTS, CLASS "1" RIP-RAP SHALL BE PLACED AROUND PILE OUTLET AS DIRECTED BY THE ENGINEER.
- XXIII. EROSION CONTROL MATTING WHERE INDICATED UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
- XXIV. PERMANENT SEEDING IN ACCORDANCE WITH THE SEEDING SCHEDULE.
- XXV. EROSION CONTROL DEFICIENCIES TO THE ENGINEER IMMEDIATELY.
- XXVI. EROSION AND SEDIMENTATION CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL ALL SEEDING IS ESTABLISHED AND CONSTRUCTION AREAS HAVE BEEN STABILIZED.
- XXVII. CONTRACTOR SHALL INSPECT AND MAINTAIN AS NEEDED ALL EROSION CONTROL DEVICES ON A WEEKLY BASIS AND AFTER EACH MAJOR STORM EVENT. WHEN INSPECTION REVEALS THE DEVICE TO BE REDUCED TO LESS THAN 50% OF THE DESIGN CAPACITY, THE DEVICE IS DEFICIENT IN ITS INTENDED PURPOSE SUCH AS FABRIC CORROSION FOR SILT FENCES THE CONTRACTOR SHALL RESTORE THE DEVICE TO ITS ORIGINAL CAPACITY.
- XXVIII. FAILURE TO KEEP ALL EROSION CONTROL DEVICES IN PROPER WORKING ORDER MAY RESULT IN WORK ORDER OR CIVIL PENALTIES UP TO \$5,000.00 PER DAY OF VIOLATION.

1. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE CURRENT SPECIFICATIONS AND STANDARDS OF GREENVILLE UTILITIES AND BE IN CONFORMANCE WITH THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) REQUIREMENTS.
2. TEMPORARY DRAINAGE DURING CONSTRUCTION SHALL BE PROVIDED BY THE CONTRACTOR TO RELIEVE AREAS THAT MAY CAUSE DAMAGE TO THE ROADWAYS OR IMPEDE TRAFFIC AS DIRECTED BY THE NCDOT WITHIN THE PROJECT LIMITS.
3. PRIOR TO CONSTRUCTION OR EXCAVATION, THE CONTRACTOR SHALL ASSUME THE RESPONSIBILITY OF LOCATING ANY UNDERGROUND UTILITIES (PUBLIC AND/ OR PRIVATE) THAT MAY EXIST IN THE AREA OF CONSTRUCTION. UTILITY OWNERS SHALL BE NOTIFIED 72 HOURS IN ADVANCE OF ANY EXCAVATION IN THE PROXIMITY OF THE UTILITIES. THE CONTRACTOR, AT HIS OWN EXPENSE SHALL BE RESPONSIBLE FOR THE REPAIR OF EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.
4. THE CONTRACTOR SHALL CONTACT THE NC 811 CENTER AT 1-800-632-4949 72 HOURS IN ADVANCE OF ANY CONSTRUCTION.
5. ALL DRAINAGE PIPES AND STRUCTURES SHALL BE CLEANED OF DEBRIS AND ERODED MATERIALS RESULTING FROM CONSTRUCTION. THESE PIPES AND STRUCTURES SHALL BE MAINTAINED CLEAN DURING THE PERIOD OF CONSTRUCTION.
6. ALL DISTURBED SLOPES SHALL BE RESTORED TO EXISTING GRADES AND STABILIZED WITH SEED & MULCH AND TACKED IF APPROPRIATE.
7. THE GAS MAIN SHALL BE INSTALLED SO AS TO PROVIDE A MINIMUM OF TWELVE (12") INCHES OF CLEARANCE TO ALL OTHER UNDERGROUND UTILITIES AND STRUCTURES. WHERE THIS IS NOT POSSIBLE APPROPRIATE PROTECTION SHALL BE PROVIDED. GAS MAINS INSTALLED BY HDD MUST MAINTAIN, AT A MINIMUM, 24" OF CLEARANCE FROM THE BOTTOM OF RCPs 36" AND LARGER.
8. ALL EXISTING PAVEMENT DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS BY THE CONTRACTOR ACCORDING TO THE DETAILS PROVIDED IN THE PLANS.
9. REFERENCE TO DEMLR REFERS TO THE STANDARDS AND SPECIFICATIONS CONTAINED IN THE NORTH CAROLINA DIVISION OF ENERGY, MINERAL AND LAND RESOURCES, EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.
10. CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES AS DESCRIBED ON THE PROJECT PLANS AND DETAILS DURING CONSTRUCTION AND SURFACE RESTORATION UNTIL SUCH MEASURES ARE NOT NECESSARY. WHERE ADDITIONAL MEASURES ARE NECESSARY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN THE APPROPRIATE MEASURES ACCORDING TO THE NORTH CAROLINA DIVISION OF ENERGY, MINERAL AND LAND RESOURCES DESIGN MANUAL.
11. REFER TO NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES AND/ OR PENALTIES RESULTING FROM ALL NON-COMPLIANCE WITH FEDERAL, STATE, AND LOCAL PERMITS AND ENCROACHMENT AGREEMENTS.
13. REPLACE ALL DAMAGED DRAIN CULVERTS WITH NEW CULVERTS OF THE SAME SIZE AND MATERIAL.

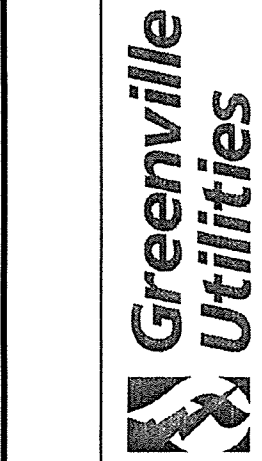
Thomas Langston Road Enhancement (GCP-10094)					
(Material List)					
Item #	Item	Plan Qty.	Unit	Specification	
1	8" PE Pipe	18000	FT	Pipe, ASTM D2513 & ASTM D2683, 0.784" min. wall thickness, 8.625" o.d., SDR 11, PE 2046/2708, 40 Lf sticks, MARKED DOT SECT. 192.63, ENDS CAPPED	
2	6" PE Pipe	8	EA	Pipe, ASTM D2513 & ASTM D2683, 0.602" min. wall thickness, 6.625" o.d., SDR 11, PE 2046/2708, 40 Lf sticks, MARKED DOT SECT. 192.63, ENDS CAPPED	
3	4" PE Pipe	160	FT	Pipe, ASTM D2513 & ASTM D2683, 0.409" min. wall thickness, 4.500" o.d., SDR 11, PE 2046/2708, 40 Lf sticks, MARKED DOT SECT. 192.63, ENDS CAPPED	
4	2" PE Pipe	4	FT	Pipe, ASTM D2513 & ASTM D2683, 0.216" min. wall thickness, 2.375" o.d., SDR 11, PE 2046/2708, Col, MARKED DOT SECT. 192.63, ENDS CAPPED	
5	8" PE 45 deg ELL	6	EA	45 deg ELL, ASTM D2513 & ASTM D 2683, SDR 11, Butt Fusion, Injection Molded, Medium Density PE 2406/2708, ASTM MARKED DOT SECT. 192.63	
6	8" PE 90 deg ELL	8	EA	90 deg ELL, ASTM D2513 & ASTM D2683, Butt Fusion, Injection Molded, SDR 11, PE 2406/2708, ASTM MARKED DOT SECT. 192.63	
7	8" PE Tee	1	EA	Tee, ASTM D2513 & ASTM D 2683, SDR 11, Butt Fusion, Injection Molded, Medium Density PE 2406/2708, ASTM MARKED DOT SECT. 192.63	
8	8" PE End Cap	2	EA	End Cap, ASTM D2513 & ASTM D2683, SDR 11, Butt Fusion, Injection Molded, Medium Density PE 2406/2708, ASTM MARKED DOT SECT. 192.63	
9	8" x 6" Reducer	2	EA	8"x6" Reducer, ASTM D2513 & ASTM D 2683, SDR 11, Butt Fusion, Injection Molded, Medium Density PE 2406/2708, ASTM MARKED DOT SECT. 192.63	
10	6" PE End Cap	2	EA	End Cap, ASTM D2513 & ASTM D2683, SDR 11, Butt Fusion, Injection Molded, Medium Density PE 2406/2708	
11	4" PE 45 deg ELL	1	EA	45 deg ELL, ASTM D2513 & ASTM D 2683, SDR 11, Butt Fusion, Injection Molded, Medium Density PE 2406/2708, ASTM MARKED DOT SECT. 192.63	
12	4" PE 90 deg ELL	2	EA	90 deg ELL, ASTM D2513 & ASTM D 2683, SDR 11, Butt Fusion, Injection Molded, Medium Density PE 2406/2708, ASTM MARKED DOT SECT. 192.63	
13	4" PE Tee	2	EA	Tee, ASTM D2513 & ASTM D 2683, SDR 11, Butt Fusion, Injection Molded, Medium Density PE 2406/2708, ASTM MARKED DOT SECT. 192.63	
14	4" PE End Cap	2	EA	End Cap, ASTM D2513 & ASTM D2683, SDR 11, Butt Fusion, Injection Molded, Medium Density PE 2406/2708	
15	4" x 2" PE Reducer	2	EA	4" x 2" Reducer, ASTM D2513 & ASTM D 2683, SDR 11, Butt Fusion, Injection Molded, Medium Density PE 2406/2708, ASTM MARKED DOT SECT. 192.63	
16	2" PE End Cap	4	EA	End Cap, ASTM D2513 & ASTM D2683, SDR 11, Butt Fusion, Injection Molded, Medium Density PE 2406/2708	
17	8" x 4" PE Branch Saddle	2	EA	Electrofusor Branch Saddle, ASTM D2513 & D2683, SDR 11, Butt Fusion, Injection Molded, Rectangular Base, Medium Density PE 2406/2708	
18	8" x 2" High Volume Taping Tee	2	EA	Electrofusor High Volume Taping Tee, ASTM D2513 & ASTM D2683, SDR 11, Butt Fusion, Injection Molded, Rectangular Base, Medium Density PE 2406/2708	
19	4" x 2" High Volume Taping Tee	2	EA	Electrofusor High Volume Taping Tee, ASTM D 2513 & ASTM D2683, SDR 11, Butt Fusion, Injection Molded, Rectangular Base, Medium Density PE 2406/2708	
20	8" PE Electrofusion Coupling	40	EA	Electrofusor Coupling, ASTM D2513 & ASTM D2683, Injection Molded, SDR 11, PE 2406/2708	
21	6" PE Electrofusion Coupling	2	EA	Electrofusor Coupling, ASTM D2513 & ASTM D2683, Injection Molded, SDR 11, PE 2406/2708	
22	4" PE Electrofusion Coupling	8	EA	Electrofusor Coupling, ASTM D2513 & ASTM D2683, Injection Molded, SDR 11, PE 2406/2708	
23	8" PE Ball Valve	5	EA	Polyethylene Valve, Full Port, Ball, SDR 11.5, Butt Fusion, Medium Density PE 2406/2708, Must Meet or Exceed Requirements of USDOT 49CFR-part 192 for Natural Gas Distribution.	
24	4" PE Ball Valve	6	EA	Polyethylene Valve, Full Port, Ball, SDR 11.5, Butt Fusion, Medium Density PE 2406/2708, Must Meet or Exceed Requirements of USDOT 49CFR-part 192 for Natural Gas Distribution.	
25	12" Steel Casing	60	FT	Casing Pipe, ASME B16.9 & ASTM A234 WPB, Schedule 20 (WT=0.250"), Grade ASTM A53/A53M (OR HIGHER), Bare, Domestic	
26	2" Steel Pipe	24	FT	Pipe, STD Wall (WT=0.154"), ST API SL-GR8 (OR HIGHER), Fusion-Bonded Epoxy Thinfilm Coated For Below-Ground Service and Painted For Above Ground Service	
27	2" Steel 90 deg ELL	2	EA	90 deg ELL, STD Wall (WT=0.154"), Long Radius, ST API SL-GR8 (OR HIGHER) 2 Coated With Fusion-Bonded EpoxyThinfilm For Below-Ground Service And 2 Painted For Above-Ground Service	
28	2" Steel 180 deg Return	2	EA	180 deg Return, STD Wall (WT=0.154"), ST API SL-GR8 (OR HIGHER), Painted For Above Ground Service	
29	Tracer Wire	18000	LF	#8 Yellow THHN, Stranded Copper, 500' Hand Spools	
30	6" Valve Box	24	EA	Valve Box, Flush Mount, Gas Lid	
31	8" x 10 -3/4" Concentric Casing Spacers	8	EA	Concentric Casing Spacers (Insulators), Bolt-On, Polyethylene	
32	8" in 12"Casing End Seals	2	Set of 12	Casing End Seals, PSI (GPT Industries) Link-Seal Modular Seals LS-410-0-12 (Two Sets Required), Or As Approved By Engineer	
33	3.75" x 72" Line Markers	56	EA	Line Markers, Fiberglass Post, Yellow Gas Pipeline (Carsonite Or As Approved by Engineer)	
34	Concrete Collar	22	EA	Pre-Cast Concrete Collar	

REVISIONS:			

PARCEL 2B DRAWING NO. G-1201-X JAMIE G. STOKES & WIFE MAMIE W. STOKES PARCEL NUMBER: 47626 DB 436 / PG 674 STATUS: EASEMENT RECORDED 11/17/2017 DB 3620 / PG 686-689 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL 7B DRAWING NO. G-1206-X BLUEMAX RENTALS, LLC PARCEL NUMBER: 47631 DB 2583 / PG 454 STATUS: EASEMENT RECORDED 11/17/2017 DB 3620 / PG 717-720 NO SPECIAL CONDITIONS OR REQUIREMENTS
PARCEL 2B DRAWING NO. G-1202-X JAMIE G. STOKES & WIFE MAMIE W. STOKES PARCEL NUMBER: 47627 DB 566 / PG 574 STATUS: EASEMENT RECORDED 11/17/2017 DB 3620 / PG 682-685 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL 8B DRAWING NO. G-1207-X GAIL JOHNSON SUGGS KENNEDY PARCEL NUMBER: 47632 DB 3579 / PG 831 STATUS: EASEMENT UNDER NEGOTIATION DB ____ / PG ____ NO SPECIAL CONDITIONS OR REQUIREMENTS
PARCEL 2B DRAWING NO. G-1203-X JAMIE G. STOKES & WIFE MAMIE W. STOKES PARCEL NUMBER: 47628 DB 3127 / PG 583 STATUS: EASEMENT RECORDED 11/17/2017 DB 3620 / PG 678-681 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL 9B DRAWING NO. G-1208-X FRANCIS EDWARD KENNEDY, III & WIFE TRACY S. KENNEDY PARCEL NUMBER: 47633 DB 3579 / PG 839 STATUS: EASEMENT RECORDED 5/1/2018 DB 3670 / PG 311-314 NO SPECIAL CONDITIONS OR REQUIREMENTS
PARCEL 5B DRAWING NO. G-1204-X DAVID E. DAVIS & WIFE HARRIET W. DAVIS PARCEL NUMBER: 47629 DB 3056 / PG 682 STATUS: EASEMENT RECORDED 12/19/2017 DB 3630 / PG 868-871 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL 10B DRAWING NO. G-1209-X DAVID TIMOTHY WEBB & WIFE BETTY LEE WEBB PARCEL NUMBER: 50065 DB 1346 / PG 91 STATUS: EASEMENT RECORDED 5/1/2018 DB 3670 / PG 302-305 NO SPECIAL CONDITIONS OR REQUIREMENTS
PARCEL 6B DRAWING NO. G-1205-X WILLIAM SCOTTY SMITH PARCEL NUMBER: 47630 ESTATE FILE 2015-34 STATUS: EASEMENT RECORDED 5/11/18 DB 3673 / PG 603-606 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL 11B DRAWING NO. G-1210-X TIMOTHY D. FERRUZZI & WIFE ANN C. NUNEZ PARCEL NUMBER: 50066 DB 2068 / PG 104 STATUS: EASEMENT UNDER NEGOTIATION DB ____ / PG ____ NO SPECIAL CONDITIONS OR REQUIREMENTS
PARCEL 12B DRAWING NO. G-1211-X TIMOTHY D. FERRUZZI & WIFE ANN C. NUNEZ PARCEL NUMBER: 50067 DB 2068 / PG 104 STATUS: EASEMENT UNDER NEGOTIATION DB ____ / PG ____ NO SPECIAL CONDITIONS OR REQUIREMENTS ** NOTICE OF INTENT TO FILE CONDEMNATION ACTION ISSUED ON APRIL 30, 2018	PARCEL TRADE DRAWING NO. G-1222-X TRADE LAND COMPANY, LLC PARCEL NUMBER: 48870 DB 3289 / PG 799 STATUS: EASEMENT RECORDED 5/1/2018 DB 3670 / PG 315-318 NO SPECIAL CONDITIONS OR REQUIREMENTS
PARCEL 13B DRAWING NO. G-1212-X ABI INVESTMENTS, LLC PARCEL NUMBER: 74953 DB 3286 / PG 742 STATUS: EASEMENT RECORDED 3/9/2018 DB 3653 / PG 507-510 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL ANGE DRAWING NO. G-1223-X HOMES ON THE ANGE, INC. PARCEL NUMBER: 66255 DB 1586 / PG 455 STATUS: EASEMENT RECORDED 5/7/2018 DB 3673 / PG 615-619 NO SPECIAL CONDITIONS OR REQUIREMENTS
PARCEL 14B DRAWING NO. G-1213-X ABI INVESTMENTS, LLC PARCEL NUMBER: 74954 DB 3286 / PG 742 STATUS: EASEMENT RECORDED 3/9/2018 DB 3653 / PG 511-515 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL 17B/180 DRAWING NO. G-1227-X CHARLESTON DEVELOPMENT CO., INC. PARCEL NUMBER: 73473 & 73474 DB 1586 / PG 442 STATUS: EASEMENT RECORDED 5/1/2018 DB 3670 / PG 294-297 NO SPECIAL CONDITIONS OR REQUIREMENTS
PARCEL AMA DRAWING NO. G-1214-X AMA HOLDINGS, LLC PARCEL NUMBER: 02228 DB 2849 / PG 26 STATUS: EASEMENT RECORDED 11/17/2017 DB 3620 / PG 721-725 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL 181 DRAWING NO. G-1228-X ERIC T. LAROQUE & SUZANNE E. LAROQUE PARCEL NUMBER: 73475 DB 3564 / PG 467 STATUS: EASEMENT RECORDED 4/20/2018 DB 3666 / PG 636-639 NO SPECIAL CONDITIONS OR REQUIREMENTS
PARCEL AMA DRAWING NO. G-1221-X AMA HOLDINGS, LLC PARCEL NUMBER: 23627 DB 2849 / PG 26 WB 14/ PG 12 STATUS: EASEMENT RECORDED 11/17/2017 DB 3620 / PG 726-729 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL 182 DRAWING NO. G-1229-X BRANDON I. WILLIAMS & WIFE JESSICA D. WILLIAMS PARCEL NUMBER: 73476 DB 3414 / PG 796 MB 68/ PG 131 STATUS: EASEMENT RECORDED 4/17/2018 DB 3665 / PG 450-453 NO SPECIAL CONDITIONS OR REQUIREMENTS

PARCEL 184 DRAWING NO. G-1230-X CHARLESTON DEVELOPMENT CO., INC. PARCEL NUMBER: 73478 DB 1586 / PG 442 STATUS: EASEMENT RECORDED 5/1/2018 DB 3670 / PG 298-301 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL 32 DRAWING NO. G-1235-X SCOTT BRITNER & WIFE, MELISSA BRITNER PARCEL NUMBER: 73437 DB 2381 / PG 423 STATUS: EASEMENT RECORDED 4/17/2018 DB 3665 / PG 446-449 PROPERTY OWNER WOULD LIKE TO BE NOTIFIED PRIOR TO CONSTRUCTION BEGINNING ON THEIR PROPERTY @ (252) 902-9002 TO SECURE HER DOG
PARCEL 100 DRAWING NO. G-1231-X MORGAN S. KISER PARCEL NUMBER: 73465 DB 3432 / PG 13 STATUS: EASEMENT RECORDED 4/8/2018 DB 3662 / PG 268-270 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL 20 DRAWING NO. G-1236-X JO W. KUHN PARCEL NUMBER: 71201 DB 3597 / PG 315 STATUS: EASEMENT RECORDED 5/1/2018 DB 3670 / PG 306-310 NO SPECIAL CONDITIONS OR REQUIREMENTS
PARCEL 99 DRAWING NO. G-1232-X JOEL A. SHELTON PARCEL NUMBER: 73464 DB 3430 / PG 134 STATUS: EASEMENT RECORDED 3/16/2018 DB 3655 / PG 355-358 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL 19 DRAWING NO. G-1237-X MATTHEW JONES & KRISTEN LEIGH JONES PARCEL NUMBER: 71200 DB 3528 / PG 233 STATUS: EASEMENT RECORDED 3/23/2018 DB 3657 / PG 701-704 NO SPECIAL CONDITIONS OR REQUIREMENTS
PARCEL 81 DRAWING NO. G-1233-X KARA M. HINES PARCEL NUMBER: 73455 DB 2657 / PG 200 STATUS: EASEMENT RECORDED 4/17/2018 DB 3665 / PG 442-445 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL 14 DRAWING NO. G-1238-X DAVID G. DALTON & WIFE, CHRISTY M. DALTON PARCEL NUMBER: 69754 DB 2082 / PG 458 STATUS: EASEMENT RECORDED 3/5/2018 DB 3651 / PG 527-530 NO SPECIAL CONDITIONS OR REQUIREMENTS
PARCEL 71 DRAWING NO. G-1234-X DANIEL B. GRILL & WIFE, JENNIFER M. GRILL PARCEL NUMBER: 73447 DB 2503 / PG 310 STATUS: EASEMENT RECORDED 3/23/2018 DB 3657 / PG 718-721 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL 32 DRAWING NO. G-1215-X MICHAEL R. DAIL & WIFE STACEY C. DAIL PARCEL NUMBER: 46219 DB 2790 / PG 80 MB 66/ PG 131 STATUS: EASEMENT RECORDED 3/9/2018 DB 3653 / PG 499-502 NO SPECIAL CONDITIONS OR REQUIREMENTS
PARCEL 45 DRAWING NO. G-1216-X SIEW FONG LEE & XIN HE PARCEL NUMBER: 46232 DB 3247 / PG 21 STATUS: EASEMENT RECORDED 3/23/2018 DB 3657 / PG 709-713 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL 1 DRAWING NO. G-1239-X TYRONE ARTIS & WIFE, GLENDA S. ARTIS PARCEL NUMBER: 51989 DB 502 / PG 42 STATUS: EASEMENT RECORDED 2/9/2018 DB 3644 / PG 674-677 NO SPECIAL CONDITIONS OR REQUIREMENTS
PARCEL 46 DRAWING NO. G-1217-X JAMES A. WHITFIELD & WIFE MARY B. WHITFIELD PARCEL NUMBER: 46233 DB 1062 / PG 96 STATUS: EASEMENT RECORDED 12/07/2017 DB 3627 / PG 25-28 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL FCC DRAWING NO. G-1226-X BOARD OF TRUSTEES OF PITT COMMUNITY COLLEGE PARCEL NUMBER: 69653 DB 1835 / PG 300 MB 62/ PG 144 STATUS: EASEMENT RECORDED 12/08/2017 DB 3627 / PG 684-689 NO SPECIAL CONDITIONS OR REQUIREMENTS
PARCEL 47 DRAWING NO. G-1218-X WILLIAM J. HEFFRON, JR. PARCEL NUMBER: 46234 DB 3060 / PG 495 STATUS: EASEMENT RECORDED 11/07/2017 DB 3617 / PG 410-413 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL DAVISON DRAWING NO. G-1224-X BEVERLY DAVISON, JANET HARE, JOAN NEITZ & ERIC UHLENBROCK PARCEL NUMBER: 38386 DB 3265 / PG 537 STATUS: EASEMENT RECORDED 5/11/2018 DB 3673 / PG 607-614 NO SPECIAL CONDITIONS OR REQUIREMENTS
PARCEL 11 DRAWING NO. G-1219-X ERIC T. LAROQUE & SUZANNE E. LAROQUE PARCEL NUMBER: 46198 DB 2460 / PG 781 STATUS: EASEMENT RECORDED 3/9/2018 DB 3653 / PG 503-508 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL FCC DRAWING NO. G-1227-X BOARD OF TRUSTEES OF PITT COMMUNITY COLLEGE PARCEL NUMBER: 39984 DB V 51 / PG 683 MB 31/ PG 96 STATUS: EASEMENT RECORDED 12/07/2017 DB 3627 / PG 20-24 NO SPECIAL CONDITIONS OR REQUIREMENTS
PARCEL 10 DRAWING NO. G-1220-X EDWARD S. GIBBS & DONNA J. GIBBS PARCEL NUMBER: 46197 DB 2529 / PG 97 STATUS: EASEMENT RECORDED 12/07/2017 DB 3627 / PG 16-19 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL FCC DRAWING NO. G-1225-X BOARD OF TRUSTEES OF PITT COMMUNITY COLLEGE PARCEL NUMBER: 35652 DB X 61 / PG 842 MB 31/ PG 96 STATUS: EASEMENT RECORDED 12/07/2017 DB 3627 / PG 29-34 NO SPECIAL CONDITIONS OR REQUIREMENTS

PARCEL 13 DRAWING NO. 618.MXD JERRY DAVENPORT & WIFE LYNETTE DAVENPORT PARCEL NUMBER: 52001 DB 1865 / PG 725 STATUS: EASEMENT RECORDED 3/16/2018 DB 3655 / PG 347-350 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL 19 DRAWING NO. 613.MXD JOHN D. MATTHEWS & WIFE LYNDA A. MATTHEWS PARCEL NUMBER: 52007 DB 2536 / PG 320 STATUS: EASEMENT RECORDED 3/16/2018 DB 3655 / PG 351-354 PROPERTY OWNERS WANT TO BE NOTIFIED PRIOR TO CONSTRUCTION BEGINNING ON THEIR PROPERTY @ (252) 258-5099 TO SECURE DOGS
PARCEL 14 DRAWING NO. 617.MXD PATRICIA L. GAMSKY PARCEL NUMBER: 52002 DB 3323 / PG 271 STATUS: EASEMENT RECORDED 4/20/2018 DB 3666 / PG 632-635 HOUSE IS BEING RENTED AND OWNER WANTS PROPERTY MANAGER NOTIFIED PRIOR TO CONSTRUCTION BEGINNING ON HER PROPERTY- CALL TREY WILLIAMS @ (252) 714-6133	PARCEL 20 DRAWING NO. 612.MXD CHARLES . REICHERTER & WIFE DEBRA M. REICHERTER PARCEL NUMBER: 52008 DB 2791 / PG 570 STATUS: EASEMENT RECORDED 4/13/2018 DB 3664 / PG 637-340 NO SPECIAL CONDITIONS OR REQUIREMENTS
PARCEL 16 DRAWING NO. 616.MXD HARRIEL G. GARRIS & WIFE EMMA L. GARRIS PARCEL NUMBER: 52004 DB 1758 / PG 572 STATUS: EASEMENT RECORDED 1/25/2018 DB 3640 / PG 167-190 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL 21 DRAWING NO. 611.MXD CHARLES ANDREW ROUNTREE & WIFE SHARON WARD ROUNTREE PARCEL NUMBER: 52009 DB 544 / PG 616 STATUS: EASEMENT RECORDED 2/23/2018 DB 3648 / PG 381-384 NO SPECIAL CONDITIONS OR REQUIREMENTS
PARCEL 17 DRAWING NO. 615.MXD RICH KESSLER & MICHELLE KESSLER PARCEL NUMBER: 52005 DB 2651 / PG 1 STATUS: EASEMENT RECORDED 3/16/2018 DB 3655 / PG 343-346 PROPERTY OWNER WANTS TO BE NOTIFIED PRIOR TO CONSTRUCTION BEGINNING ON THEIR PROPERTY @ (919) 868-0993	PARCEL 22 DRAWING NO. 610.MXD DUSTIN A. DOWNIE & WIFE STEPHANIE W. DOWNIE PARCEL NUMBER: 52010 DB 3509 / PG 586 STATUS: EASEMENT RECORDED 3/23/2018 DB 3657 / PG 697-700 PROPERTY OWNERS WANT TO BE NOTIFIED PRIOR TO CONSTRUCTION BEGINNING ON THEIR PROPERTY @ (252) 775-0044 TO SECURE DOGS AND COORDINATE FENCE BEING RESET
PARCEL 18 DRAWING NO. 614.MXD RICKY BLOUNT & WIFE ELIZABETH BLOUNT PARCEL NUMBER: 52006 DB 1452 / PG 538 STATUS: EASEMENT RECORDED 3/16/2018 DB 3655 / PG 339-342 NO SPECIAL CONDITIONS OR REQUIREMENTS	PARCEL 23 DRAWING NO. 609.MXD PERRY L. ALBRITTON SR. & WIFE SHARON D. ALBRITTON PARCEL NUMBER: 52011 DB 1622 / PG 490 STATUS: EASEMENT RECORDED 1/25/2018 DB 3640 / PG 191-194 PROPERTY OWNERS WANT TO BE NOTIFIED PRIOR TO CONSTRUCTION BEGINNING ON THEIR PROPERTY @ (252) 258-5099 (VOICE MAIL IS OK)
PARCEL 25 DRAWING NO. 608.MXD CHRISTOPHER W. BARNETT & WIFE CHRISTY W. BARNETT PARCEL NUMBER: 52013 DB 2922 / PG 774 STATUS: EASEMENT RECORDED 3/23/2018 DB 3657 / PG 705-708 PROPERTY OWNERS WANT TO BE NOTIFIED PRIOR TO CONSTRUCTION BEGINNING ON THEIR PROPERTY @ (252) 342-5336 TO SECURE DOGS. HE WAS CONCERNED THE APPROX. 20 AUGUSTRUM BUSHES MIGHT BE IN CONFLICT- MADE AGREEMENT TO RELOCATE THEM IF THEY ARE IN CONFLICT WITH PROJECT AND ARE NEEDED TO BE REPLANTED	PARCEL 26 DRAWING NO. 607.MXD WILLIAM HOLDEN SHIVERS PARCEL NUMBER: 52014 DB 2073 / PG 771 STATUS: EASEMENT RECORDED 3/23/2018 DB 3657 / PG 714-717 PROPERTY OWNER HAS A DOG AND (ALSO HAS ALREADY MOVED BARN OUT OF R/W) WOULD LIKE TO BE CALLED PRIOR TO CONSTRUCTION START ON THEIR PROPERTY @ (252) 341-0961



EASEMENT SUMMARY SHEET
GREENVILLE UTILITIES COMMISSION
GCP-10094 THOMAS LANGSTON
ROAD ENHANCEMENTS

NC License: F-1834
Rivers
& ASSOCIATES, INC.
riversandassociates.com
107 East Second Street
Greenville, NC 27858
(252) 752-4135
Landscape Architects

Shed 1918
Engineers
Planners
Surveyors

Professional Engineer
No. 17688 State
FREDERICK L. STIM

5/29/18

SURVEY	-	DRAFT	JML
DESIGN	FLS	CHECK	FLS
PROJECT No.	2017024		
DRAWING No.	W-3749		
SCALE:	AS SHOWN		
SHEET No.	OF 24		

T3

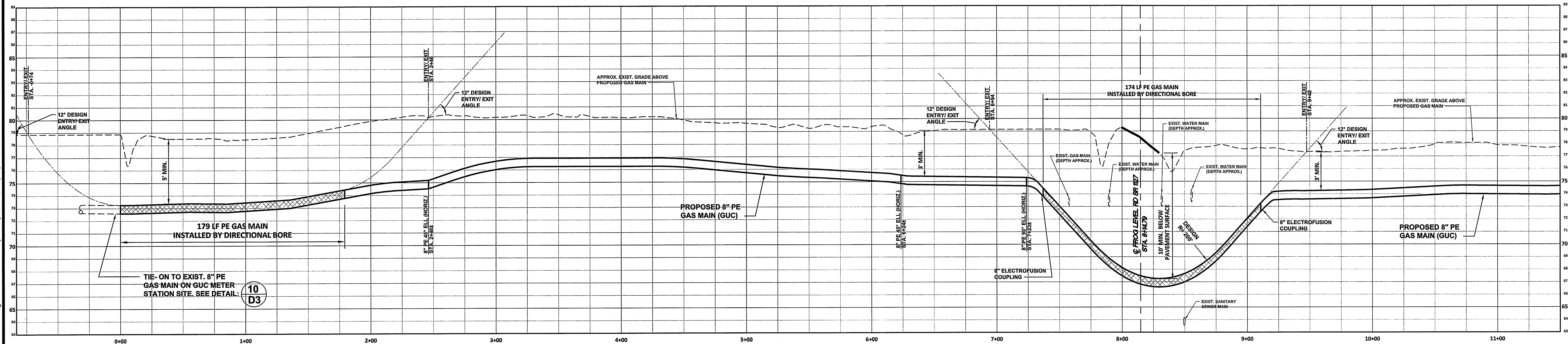
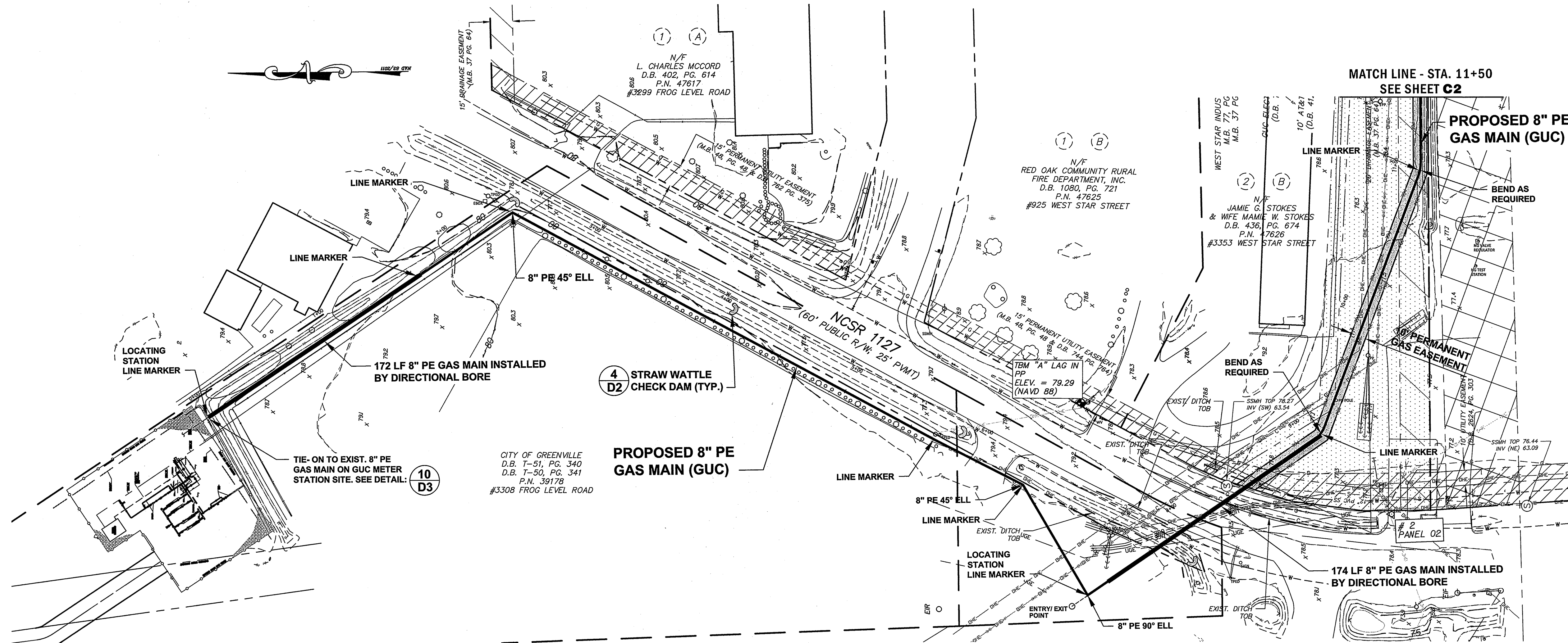
REVISIONS:

REV.	DESCRIPTION	DATE	APP.

NORTH CAROLINA

PITT COUNTY

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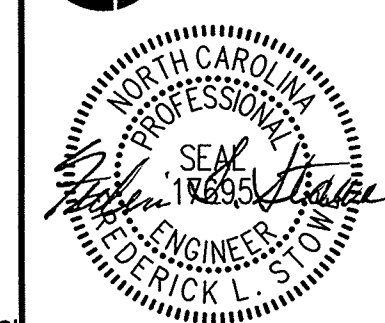
REVISIONS:

REV.	DESCRIPTION	DATE	APPD.
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PLAN SHEET
GREENVILLE UTILITIES COMMISSION
GCP-10094 THOMAS LANGSTON
ROAD ENHANCEMENTS
NORTH CAROLINA

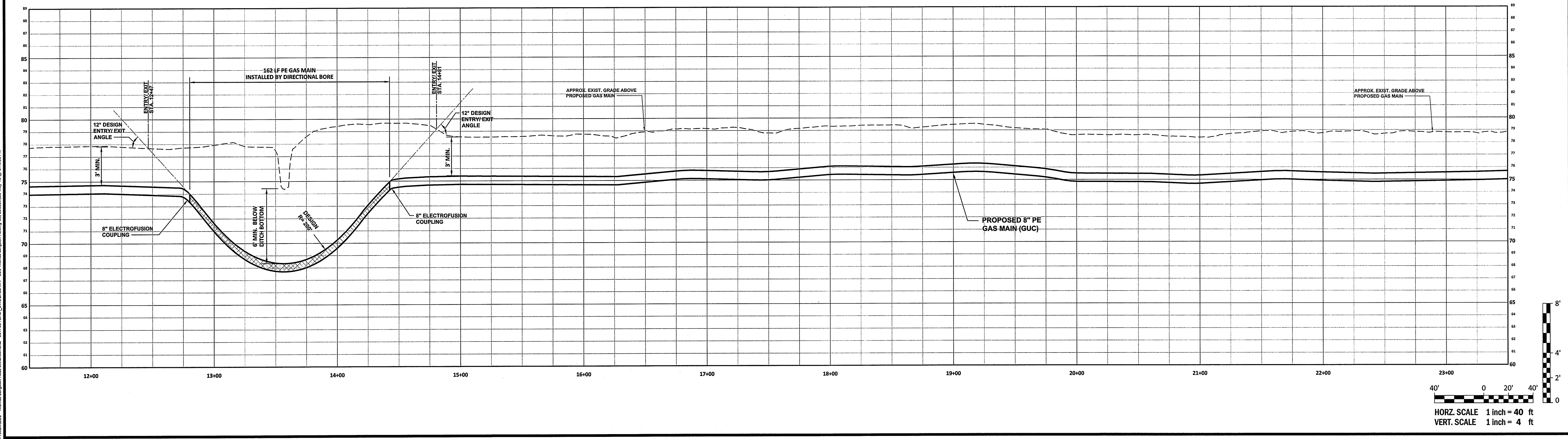
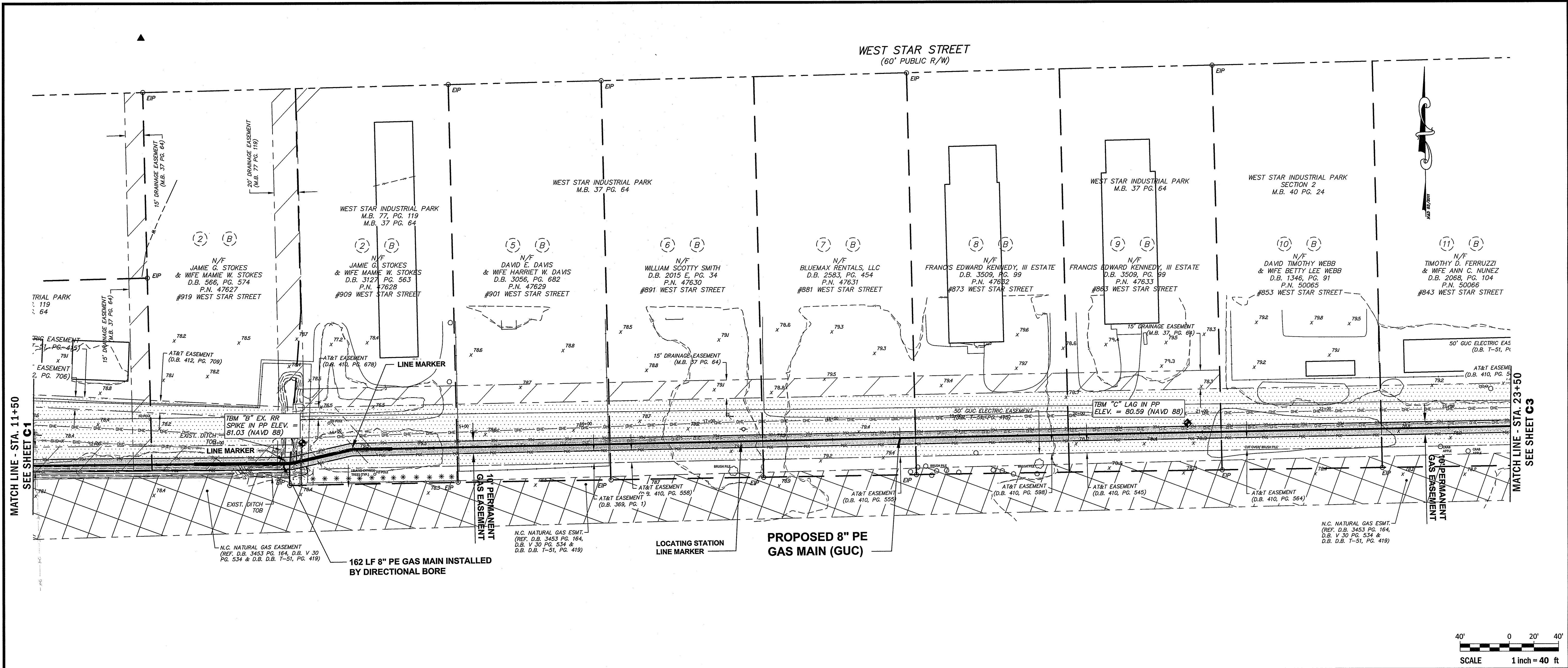
Rivers
Rivers & Associates, Inc.
riversandassociates.com
107 East Second Street
Greenville, NC 27838
(252) 752-4135
Landscape Architects



5/27/18
SURVEY - DRAFT JML
DESIGN FLS CHECK FLS
PROJECT No. 2017024
DRAWING No. W-3749
SCALE: 1"=40'
SHEET No. OF 24

C1

P:\2017\2024\GCP-10094 Thomas Langston Road Enhancements - 20170224\DWG\GAS Main 8" PE Gas Main Installed by Directional Bore.dwg, Q:\USDA\2017\2024\GCP-10094\20170224\DWG\GAS Main 8" PE Gas Main Installed by Directional Bore.dwg, 5/23/2018 3:02:28 PM



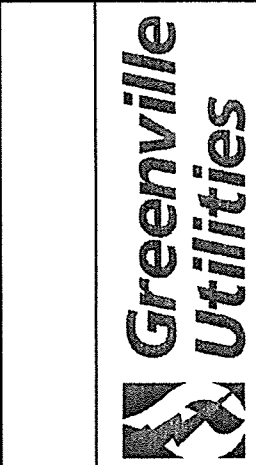
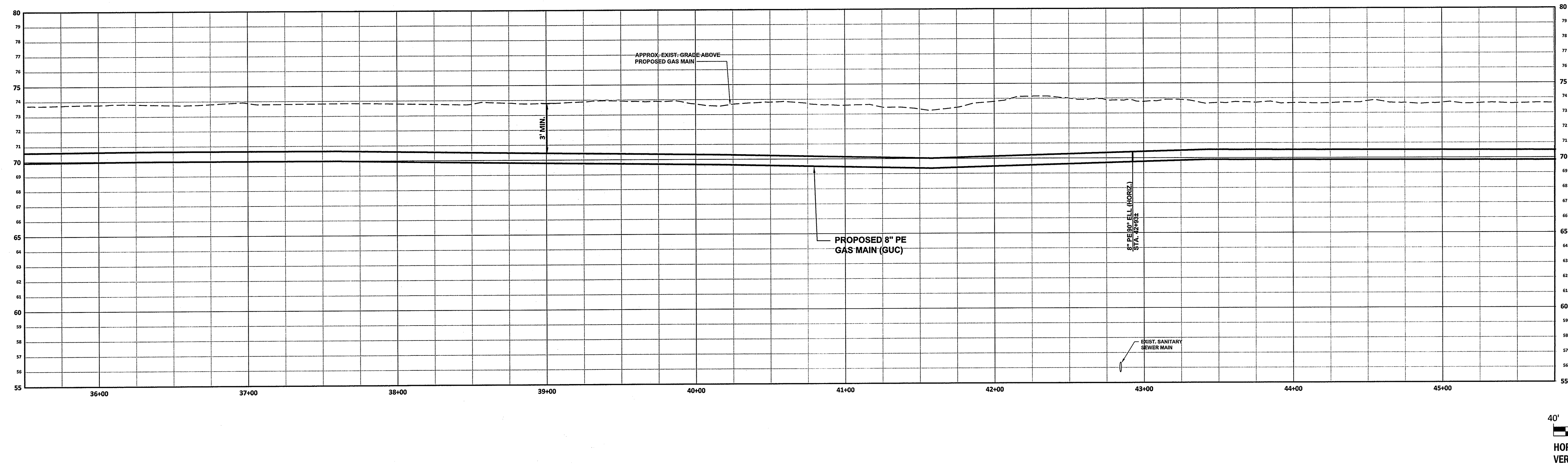
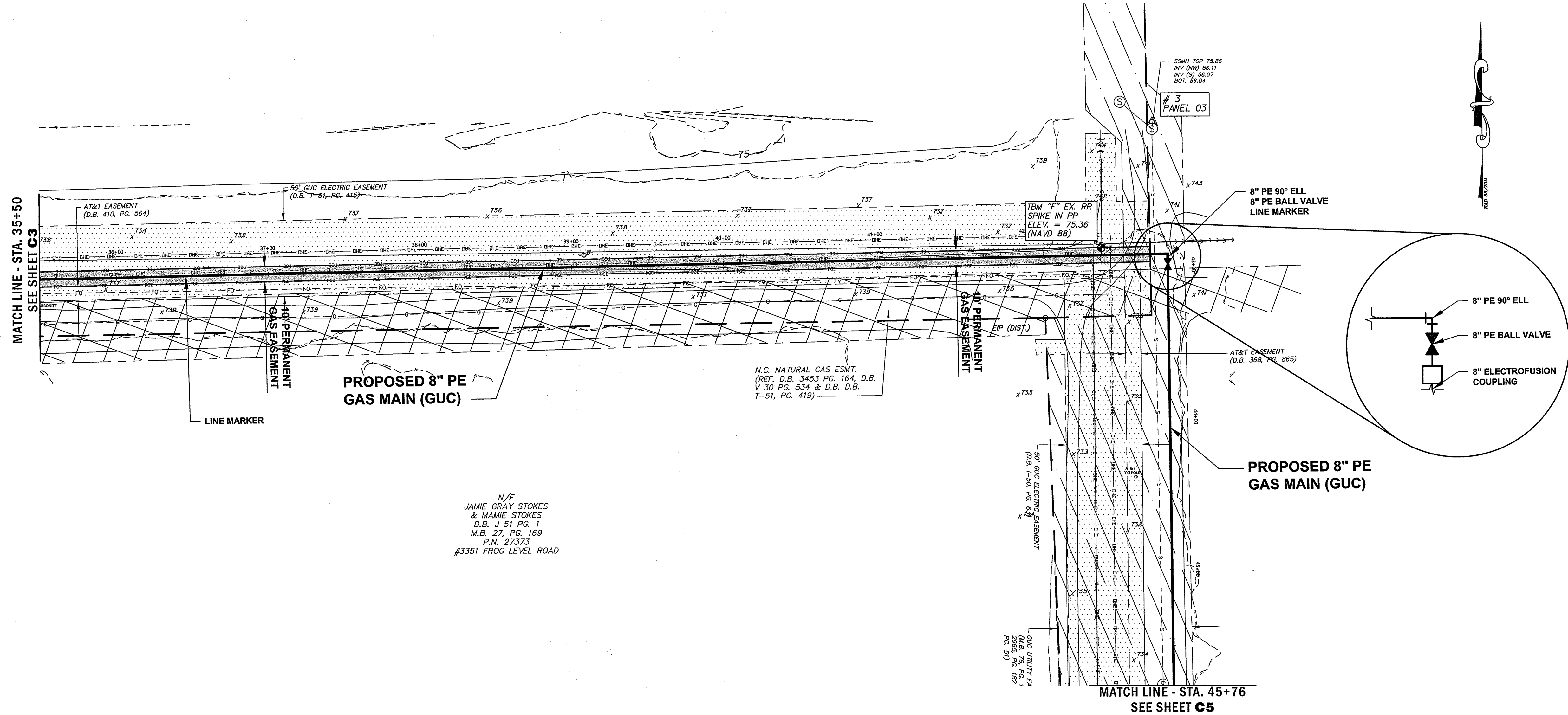
REVISIONS:	
REV	DESCRIPTION

PLAN SHEET
GREENVILLE UTILITIES COMMISSION
GCP-10094 THOMAS LANGSTON
ROAD ENHANCEMENTS
PITT COUNTY
NORTH CAROLINA

Rivers & Associates, Inc.
107 East Second Street
Greenville, NC 27655
(252) 752-1155
Landscape Architects

5/23/18
JML
FLS
2017024
W-3749
1"=40'
SHEET No. OF 24
C2

PLAN:GUC - Thomas Langston Road Enhancements - 20170624.DWG - 20170624 10:00 AM - GUC Thomas Langston Road - C:\Users\jstokes\OneDrive\Documents\20170624.DWG - 20170624 10:00 AM



PLAN SHEET

GREENVILLE UTILITIES COMMISSION
GCP-10094 THOMAS LANGSTON
ROAD ENHANCEMENTS

NORTH CAROLINA
PITT COUNTY

NC License: F-6034

Rivers
& ASSOCIATES, INC.
Since 1918
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Engineers
107 East Second Street
Greenville, SC 29601
(252) 752-4135
Landscape Architects

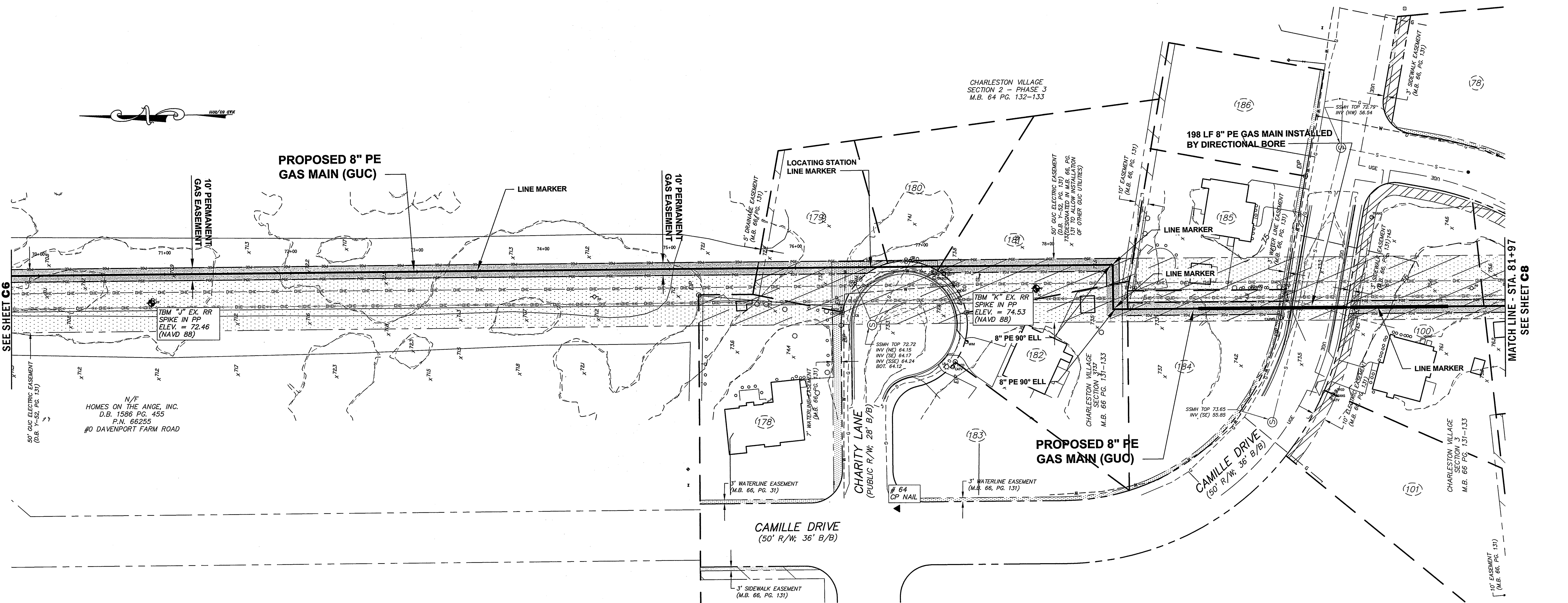


SURVEY	DRAFT	JML
DESIGN	FLS	CHECK
PROJECT No.	2017024	
DRAWING No.	W-3749	
SCALE:	1" = 40'	
SHEET No.	OF 24	

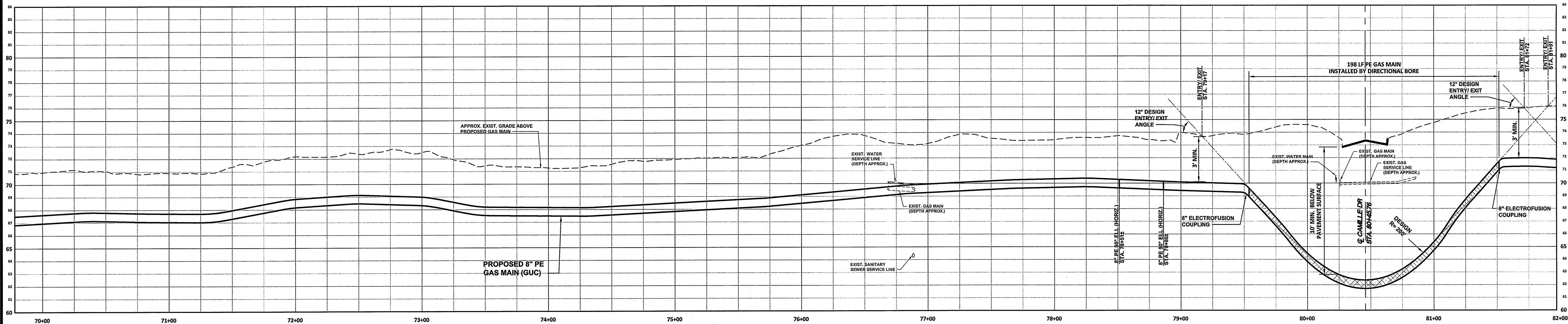
C4

REVISIONS:		
REV.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	5/29/18

MATCH LINE - STA. 69+78
SEE SHEET C6



40' 0 20' 40'
SCALE 1 inch = 40 ft



40' 0 20' 40'
HORIZ. SCALE 1 inch = 40 ft
VERT. SCALE 1 inch = 4 ft

PLAN SHEET

Greenville Utilities

GREENVILLE UTILITIES COMMISSION
GCP-10094 THOMAS LANGSTON
ROAD ENHANCEMENTS

PITT COUNTY

NORTH CAROLINA

Rivers & Associates, Inc.
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107 East Second Street
Greenville, NC 27838
(252) 752-4135

Professional Engineer
No. 16894
Frederick L. Stinson

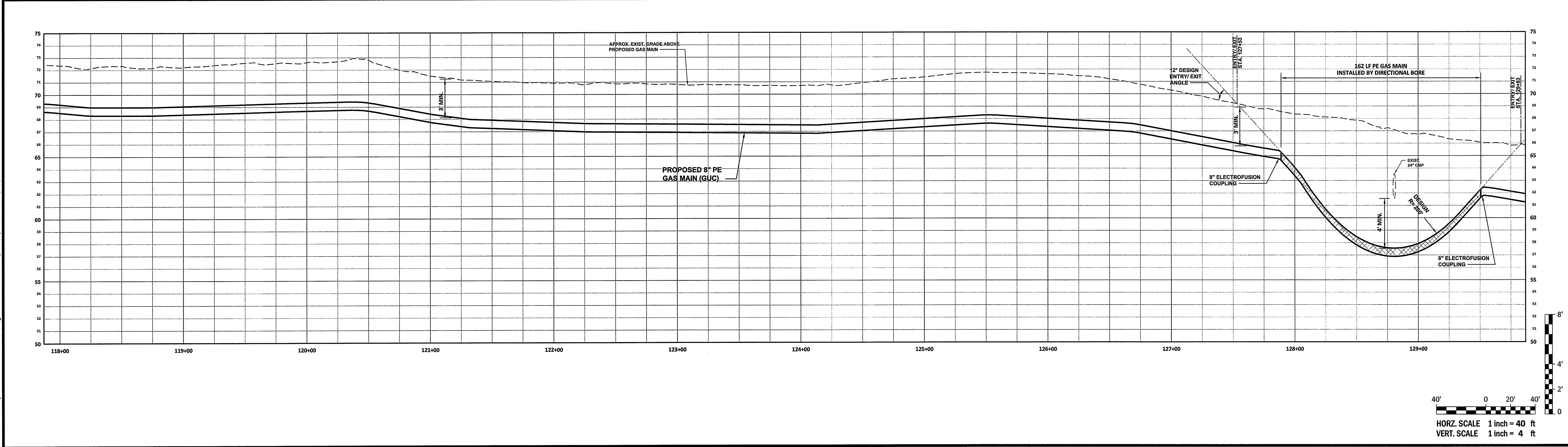
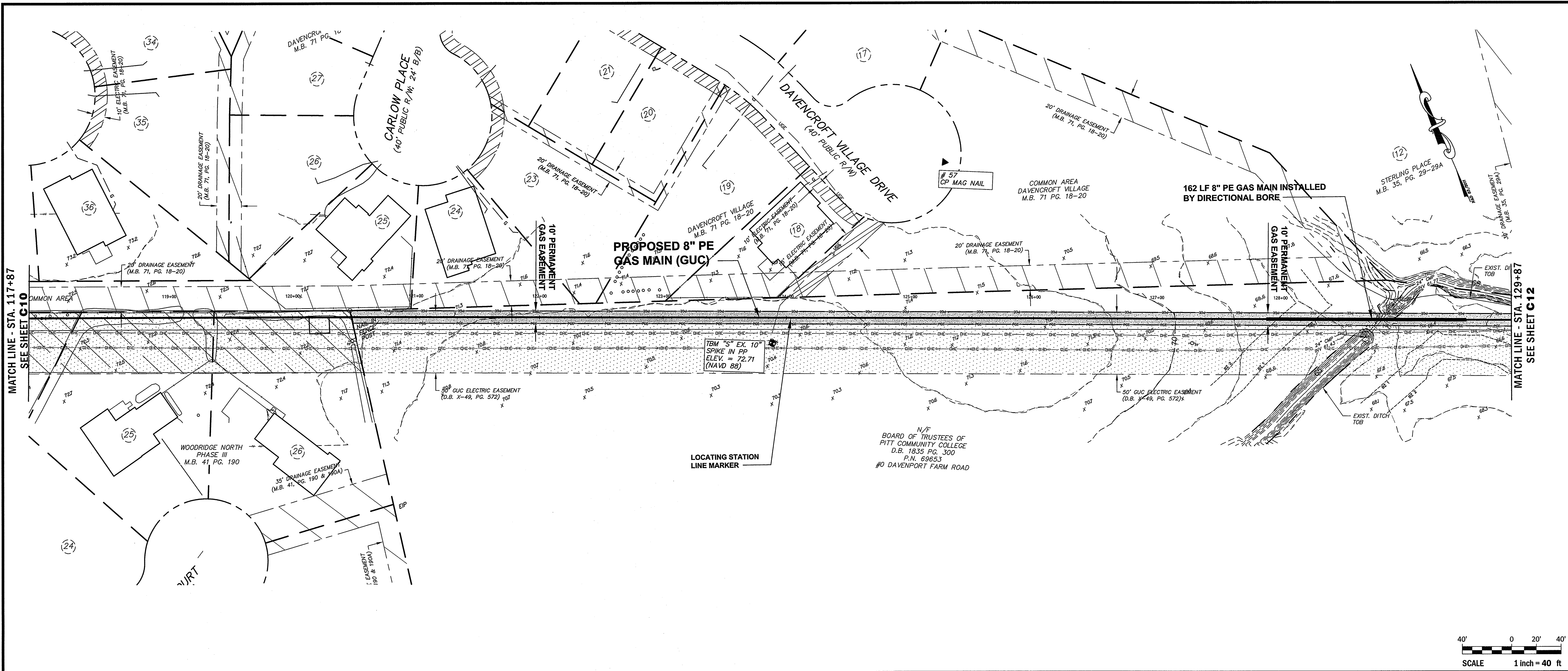
5/29/18

Surveyors
JML
FLS
FLS

PROJECT No. 2017024
DRAWING No. W-3749
SCALE: 1"=40'

SHEET No. OF 24

C7



REVISIONS:

REV.	DATE	DESCRIPTION
1	5/27/18	ISSUED FOR PERMIT

Greenville
Utilities

PLAN SHEET

GREENVILLE UTILITIES COMMISSION
GCP-10094 THOMAS LANGSTON
ROAD ENHANCEMENTS

NORTH CAROLINA
PITT COUNTY

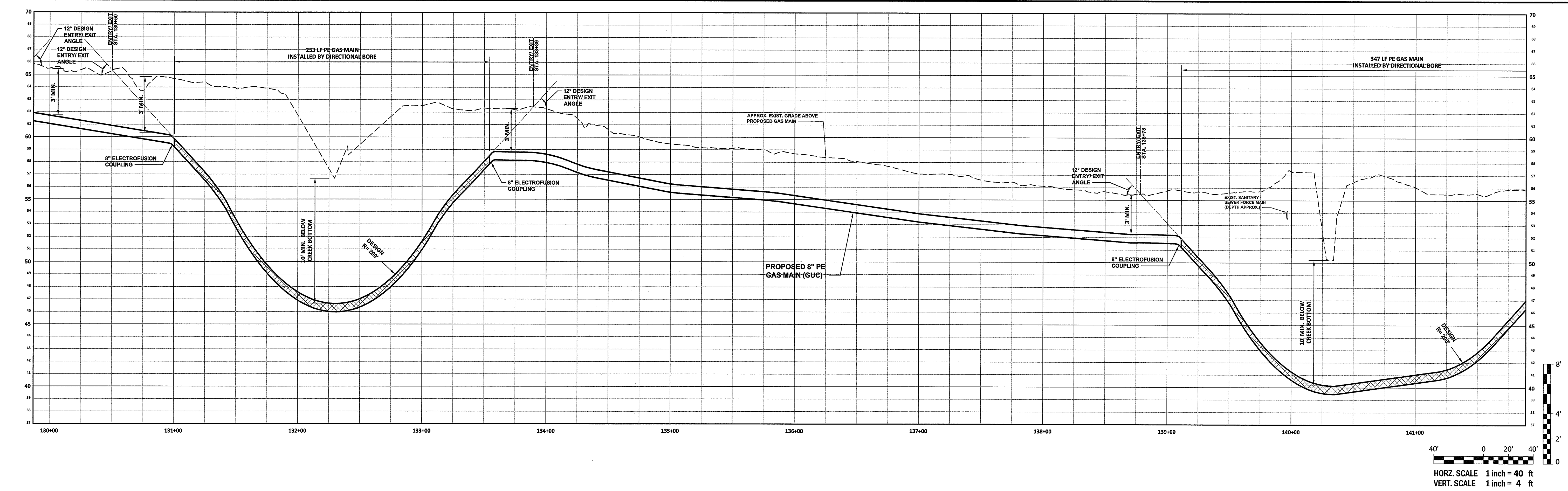
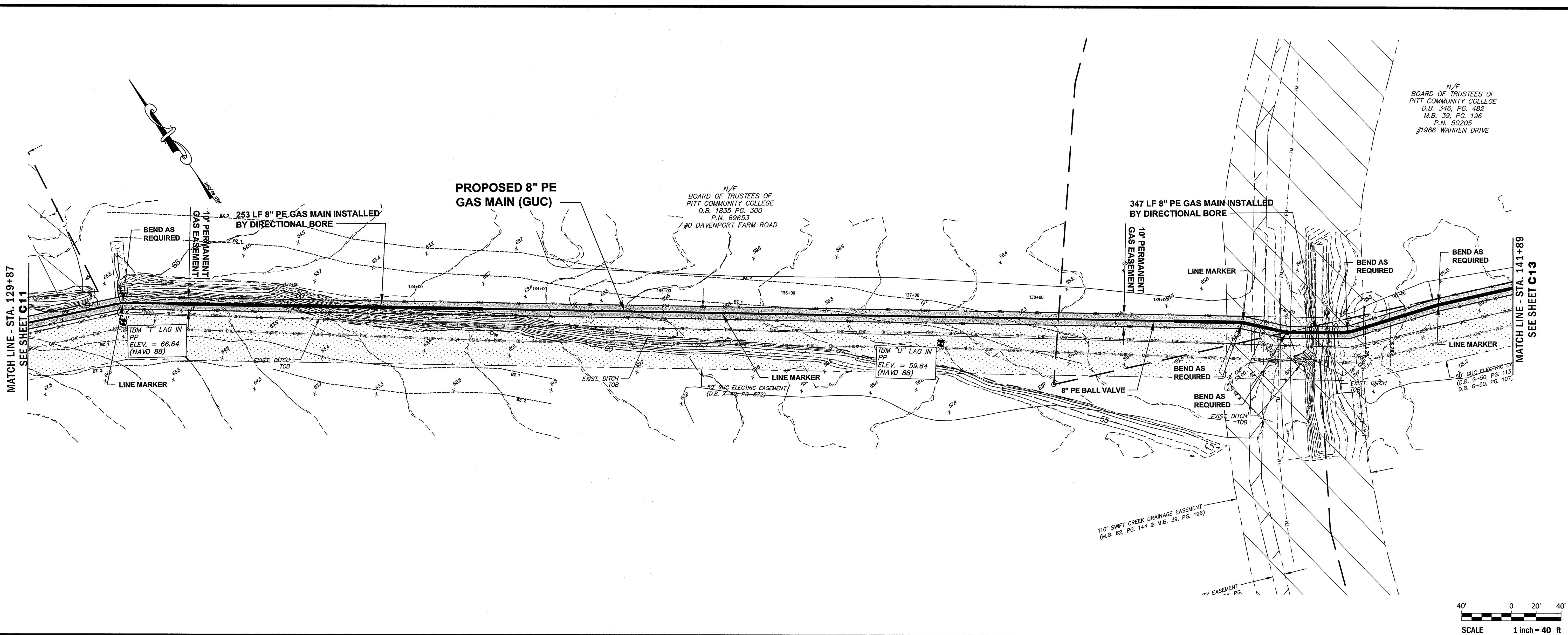
NC License: F-4834

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(252) 752-1135
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Professional Engineer
SEAL
JAMES E. RIVERS
107 EAST SECOND STREET
GREENVILLE, NC 27838
5/27/18

SURVEY	DRAFT	JML
DESIGN	FLS	CHECK
PROJECT No.	2017024	
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SCALE:	1"=40'	
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C11



REVISIONS:

NO.	DATE	DESCRIPTION
1	5/22/18	ISSUED

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GREENVILLE UTILITIES COMMISSION
GCP-10094 THOMAS LANGSTON
ROAD ENHANCEMENTS

NORTH CAROLINA
PITT COUNTY

Greenville
Utilities

NC License: F-4334

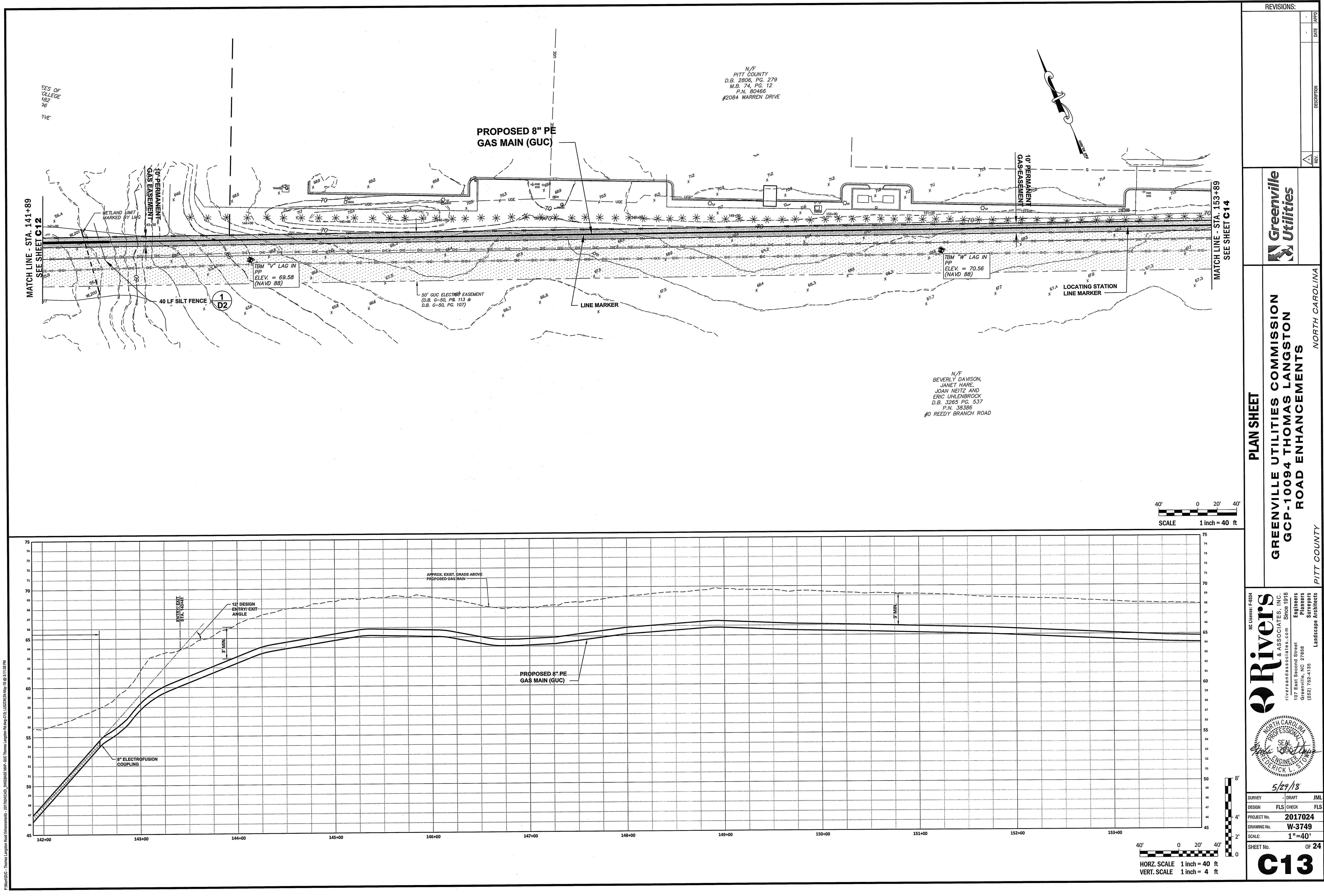
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& ASSOCIATES, INC.
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107 East Second Street
Greenville, NC 27858
(252) 752-4195

NORTH CAROLINA
PROFESSIONAL
ENGINEER
FREDRICK L. STOKES
SEALED
5/22/18

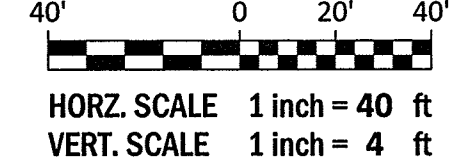
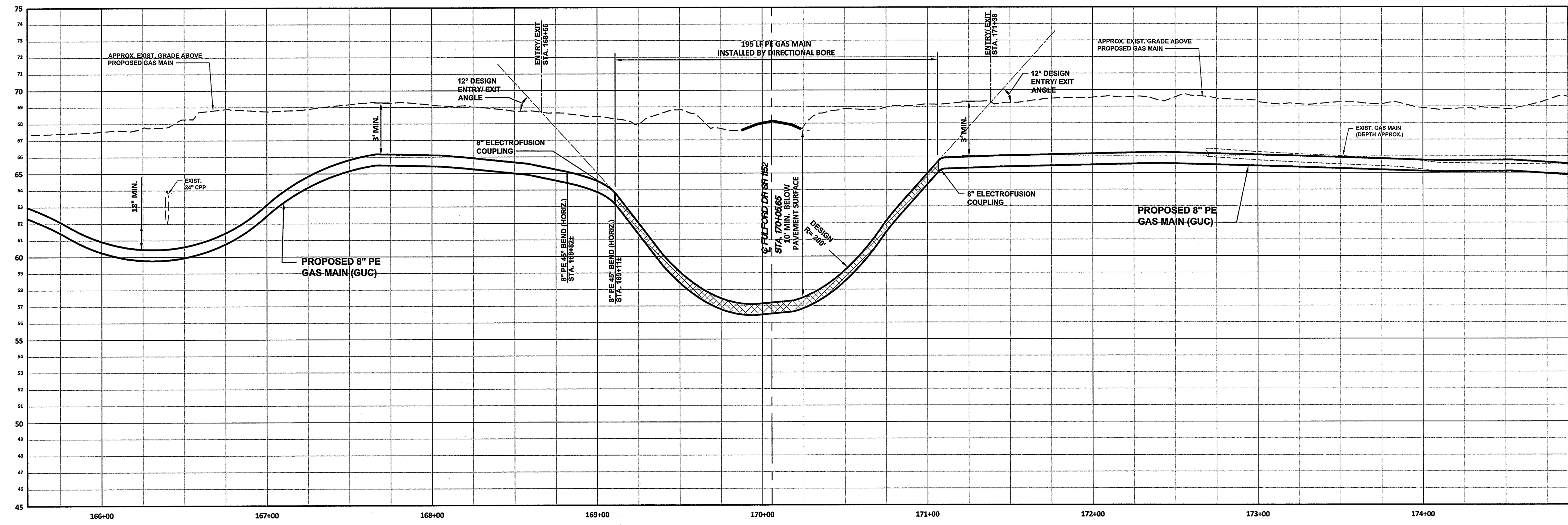
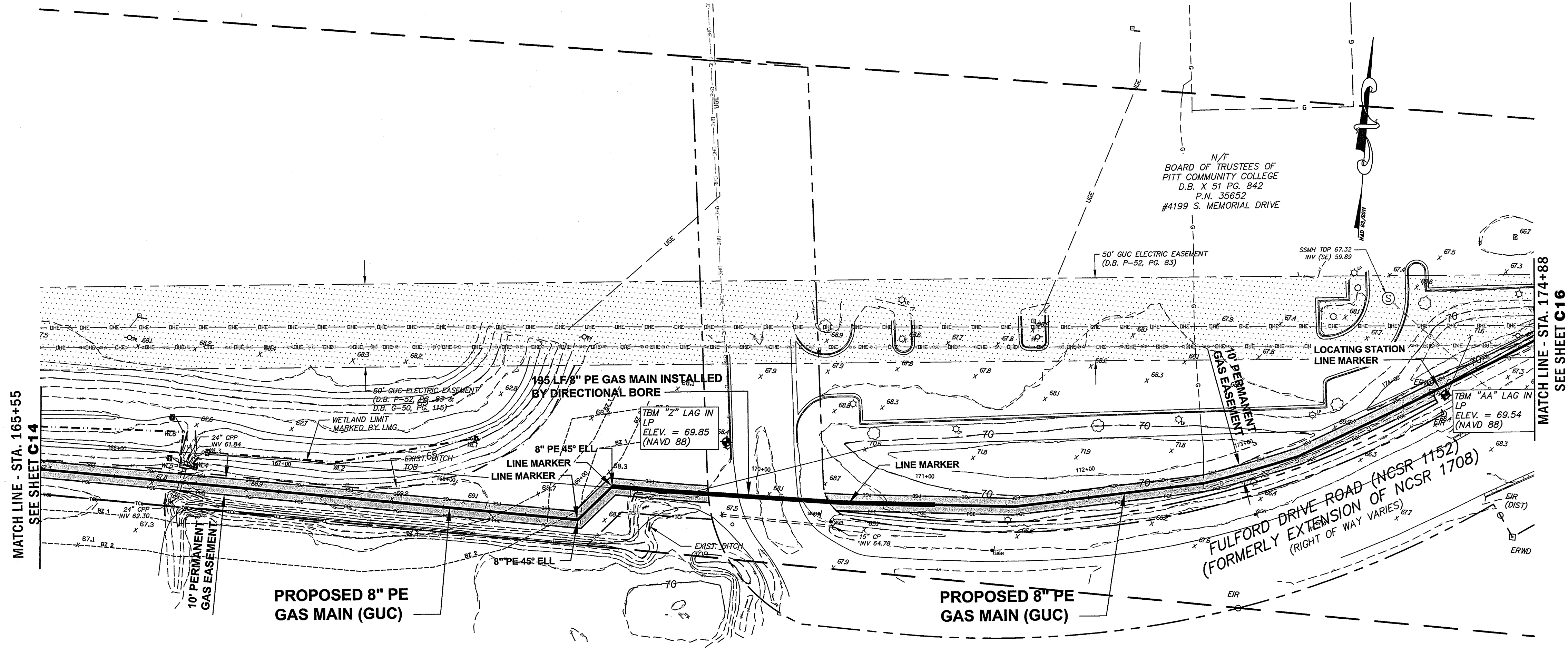
5/22/18

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PROJECT No. 2017024
DRAWING No. W-3749
SCALE: 1"=40'
SHEET No. OF 24

C12



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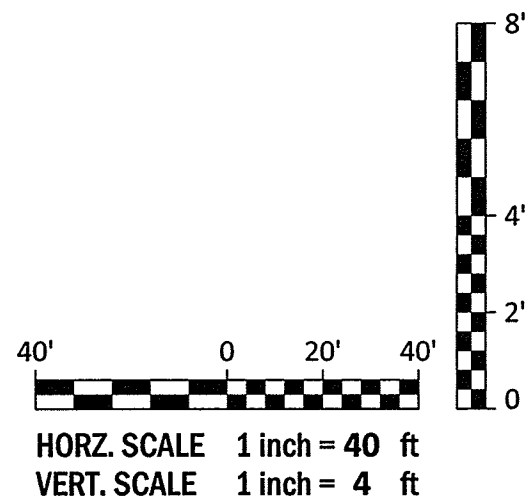
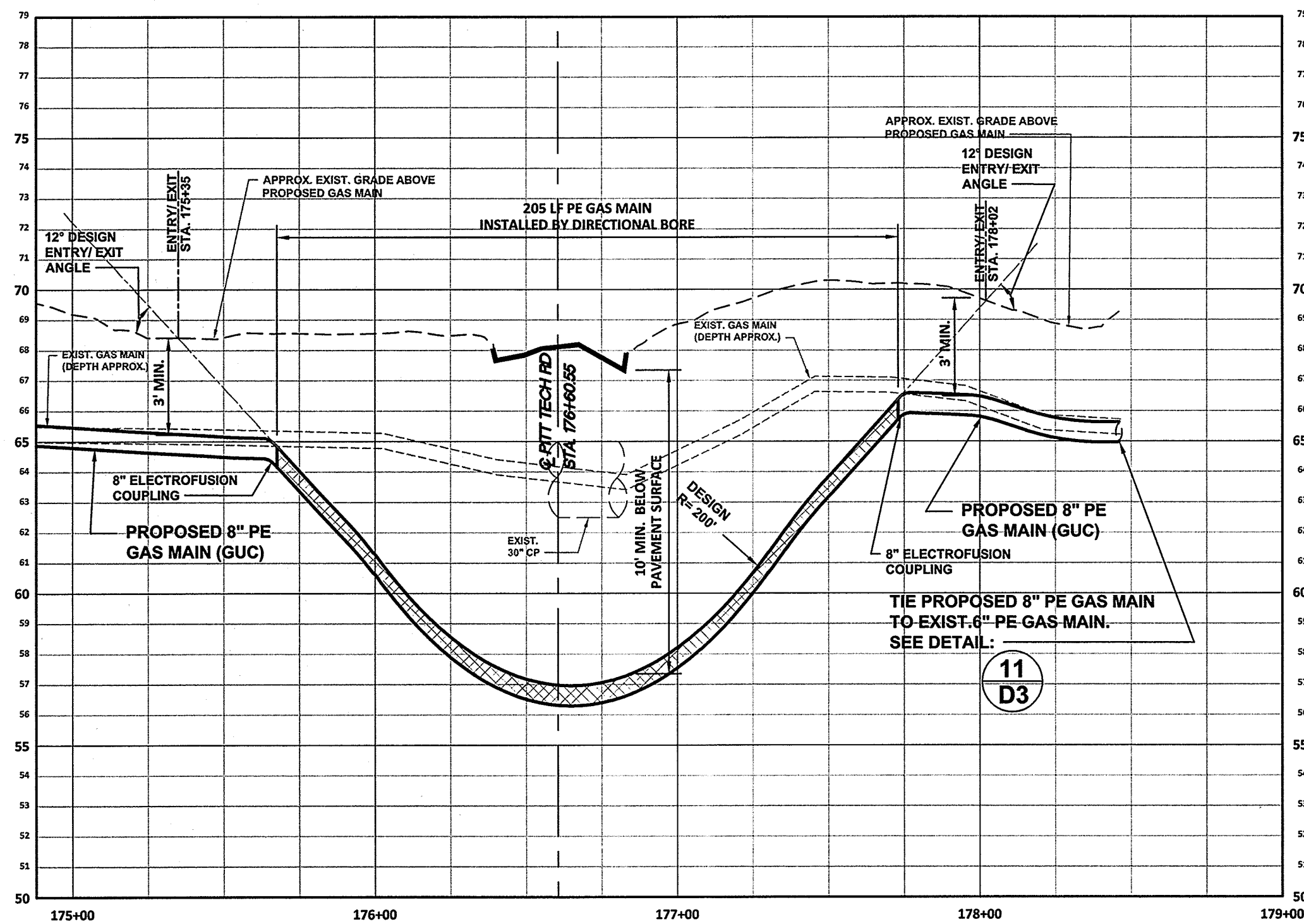
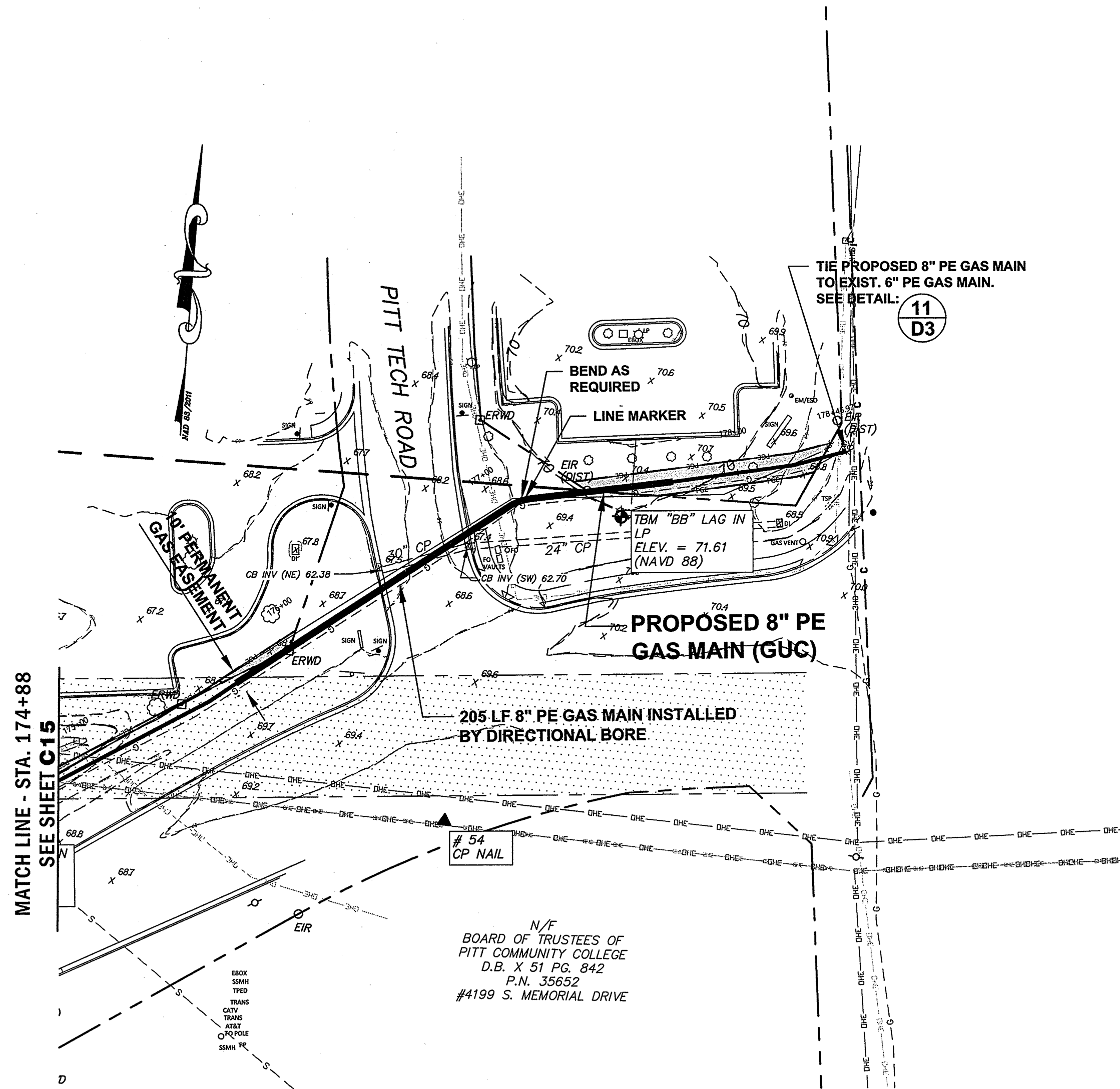


REVISIONS:			
REV.	DESCRIPTION	DATE	APP.

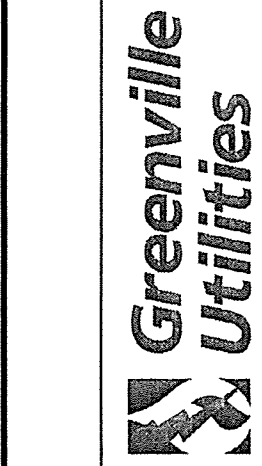
PLAN SHEET
GREENVILLE UTILITIES COMMISSION
GCP-10094 THOMAS LANGSTON
ROAD ENHANCEMENTS
PITT COUNTY
NORTH CAROLINA

Rivers & Associates, Inc.
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Engineers
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2017024
W-3749
1"=40'
OF 24
C15



P:\View\GUC - Thomas Langston Road Enhancements - 20170224\GUC_DWG\BASE.MXD GUC Thomas Langston Rd.dwg 18-May-18 @ 3:11:58 PM



PLAN SHEET
GREENVILLE UTILITIES COMMISSION
GCP-10094 THOMAS LANGSTON
ROAD ENHANCEMENTS

PITT COUNTY NORTH CAROLINA

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& ASSOCIATES, INC.
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DESIGN	FLS CHECK	FLS
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SCALE:	1"=40'	
SHEET No.	OF 24	

C16

REVISIONS:

REV.	DESCRIPTION	DATE	APP.
1			

CONSTRUCTION SPECIFICATIONS

1. SYNTHETIC FILTER FABRIC SHALL BE A PEROUS SHEET PROPYLENE, NYLON, POLYESTER OR ETHYLENE YARN AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE FOLLOWING REQUIREMENTS:

PHYSICAL PROPERTY	TEST	REQUIREMENTS
FILTERING EFFICIENCY	ASTM 5141	85% (MIN.)
TENSILE STRENGTH AT 20% (MAX.) ELONGATION	VTM-52	EXTRA STRENGTH-50 LBS./LIN.IN. (MIN.)

FLOW RATE	ASTM 5141	0.3 GAL./SQ.FT./MIN. (MIN.)
ULTRAVIOLET RADIATION STABILITY %	ASTM G-26	90% (MIN.)

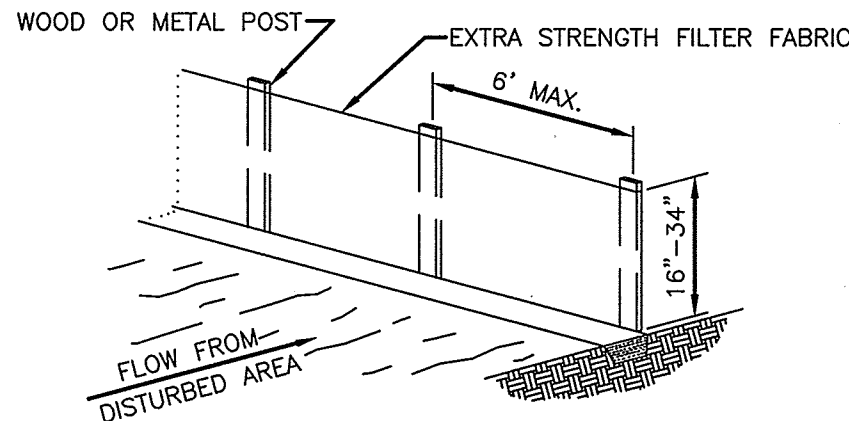
SEE DEHNR TABLE 6.62b
2. SYNTHETIC FILTER FABRIC SHALL CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE RANGE OF 0°F TO 120°F.
3. IF WOODEN STAKES ARE UTILIZED FOR SILT FENCE CONSTRUCTION, THEY MUST HAVE A DIAMETER OF 2 INCHES WHEN OAK IS USED AND 4 INCHES WHEN PINE IS USED. WOODEN STAKES MUST HAVE A MINIMUM LENGTH OF 5 FEET.
4. IF STEEL POSTS (STANDARD "U" OR "T" SECTION) ARE UTILIZED FOR SILT FENCE CONSTRUCTION, THEY MUST HAVE A MINIMUM WEIGHT OF 1.33 POUNDS PER LINEAR FOOT AND SHALL HAVE A MINIMUM LENGTH OF 5 FEET AND SHALL HAVE PROJECTIONS FOR FASTENING FABRIC.
5. WIRE FENCE REINFORCEMENT FOR SILT FENCES USING STANDARD-STRENGTH FILTER CLOTH SHALL BE A MINIMUM 14 GAUGE AND SHALL HAVE A MAXIMUM MESH SPACING OF 6 INCHES.

INSTALLATION

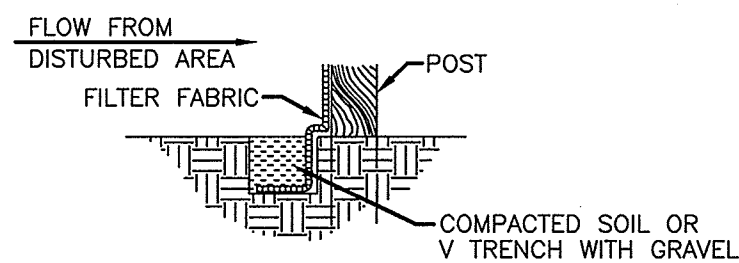
1. THE HEIGHT OF A SILT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOVE THE ORIGINAL GROUND SURFACE AND SHALL NOT EXCEED 34 INCHES ABOVE GROUND ELEVATION.
2. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE UNAVOIDABLE, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-FOOT OVERLAP, AND SECURELY SEALED.
3. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 8 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE SIDE OF THE PROPOSED LOCATION OF THE MEASURE.
4. POSTS SHALL BE PLACED A MAXIMUM OF 6 FEET APART. THE FILTER FABRIC SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING ONE INCH LONG (MINIMUM) HEAVY-DUTY WIRE STAPLES OR TIE WIRES AND TWELVE INCHES OF FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
5. THE 8 INCH BY 4 INCH TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
6. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

MAINTENANCE

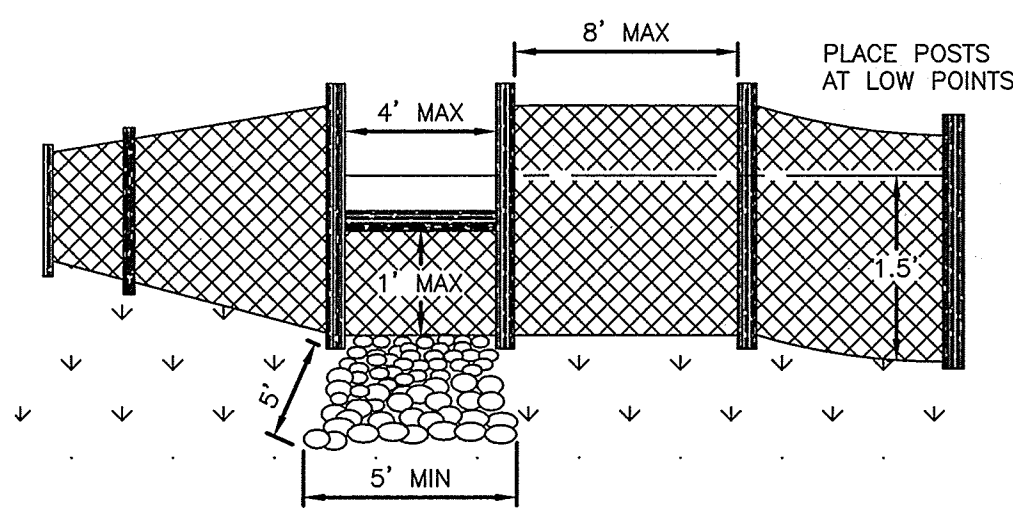
1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
2. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCE RESULTING FROM END RUNS AND UNDERCUTTING.
3. SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
4. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
5. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.



SHEET FLOW INSTALLATION (PERSPECTIVE VIEW)



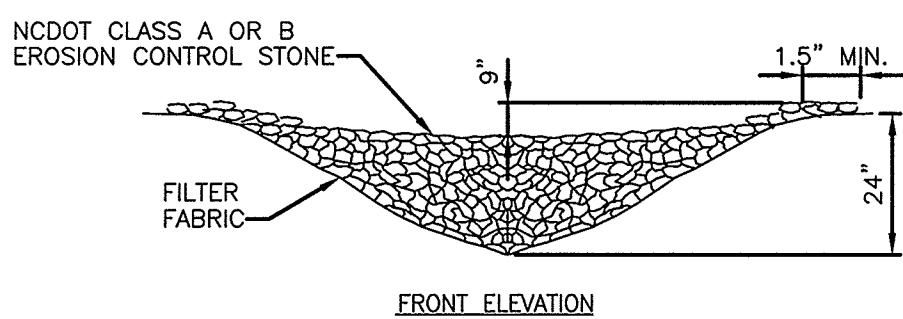
TRENCH OF A SILT FENCE



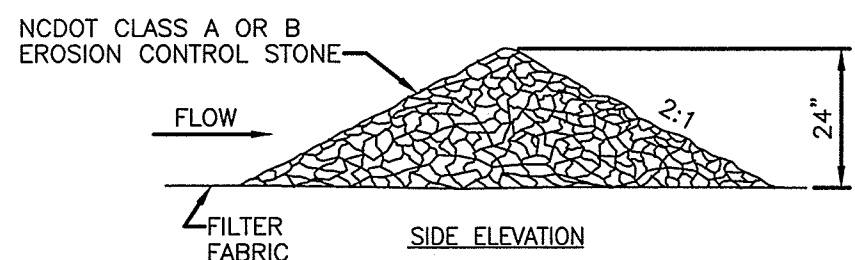
TYPICAL SILT FENCES

1 TEMPORARY SILT FENCE

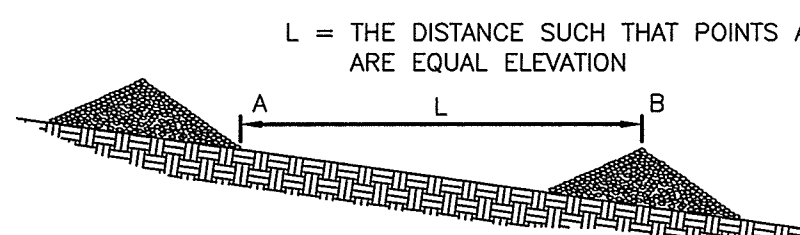
D2 NOT TO SCALE



FRONT ELEVATION



SIDE ELEVATION



SPACING BETWEEN CHECK DAMS

2 TEMPORARY ROCK SILT CHECK DAM

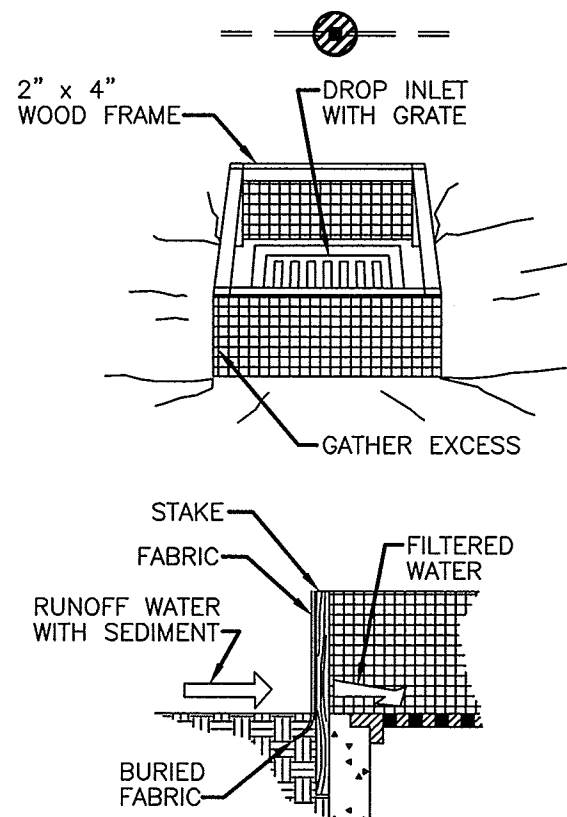
D2 NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1. PLACE STONE TO THE LINES AND DIMENSIONS SHOWN IN THE PLAN ON A FILTER FABRIC FOUNDATION.
 2. KEEP THE CENTER STONE SECTION AT LEAST 9 INCHES BELOW NATURAL GROUND LEVEL WHERE THE DAM ABUTS THE CHANNEL BANKS.
 3. EXTEND STONE AT LEAST 1.5 FT. BEYOND THE DITCH BANKS TO KEEP OVERFLOW WATER FROM UNDERCUTTING THE DAM AS IT RE-ENTERS THE CHANNEL.
 4. SET SPACING BETWEEN DAMS TO ASSURE THAT THE ELEVATION AT THE TOP OF THE LOWER DAM IS THE SAME AS THE TOE ELEVATION OF THE UPPER DAM.
 5. PROTECT THE CHANNEL DOWNSTREAM FROM THE LOWEST CHECK DAM, CONSIDERING THAT WATER WILL FLOW OVER AND AROUND THE DAM.
 6. MAKE SURE THAT THE CHANNEL REACH ABOVE THE MOST UPSTREAM DAM IS STABLE.
 7. ENSURE THAT CHANNEL APPURTENANCES, SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS, ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES.
- ### MAINTENANCE
1. INSPECT CHECK DAMS AND CHANNELS FOR DAMAGE AFTER EACH RUNOFF EVENT.
 2. ANTICIPATE SUBMERGENCE AND DEPOSITION ABOVE THE CHECK DAM AND EROSION FROM HIGH FLOWS AROUND THE EDGES OF THE DAM. CORRECT ALL DAMAGE IMMEDIATELY. IF SIGNIFICANT EROSION OCCURS BETWEEN DAMS, INSTALL A PROTECTIVE RIPRAP LINER IN THAT PORTION OF THE CHANNEL.
 3. REMOVE SEDIMENT ACCUMULATED BEHIND THE DAMS AS NEEDED TO PREVENT DAMAGE TO CHANNEL VEGETATION, ALLOW THE CHANNEL TO DRAIN THROUGH THE STONE CHECK DAM, AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM. ADD STONES TO DAMS AS NEEDED TO MAINTAIN DESIGN HEIGHT AND CROSS SECTION.

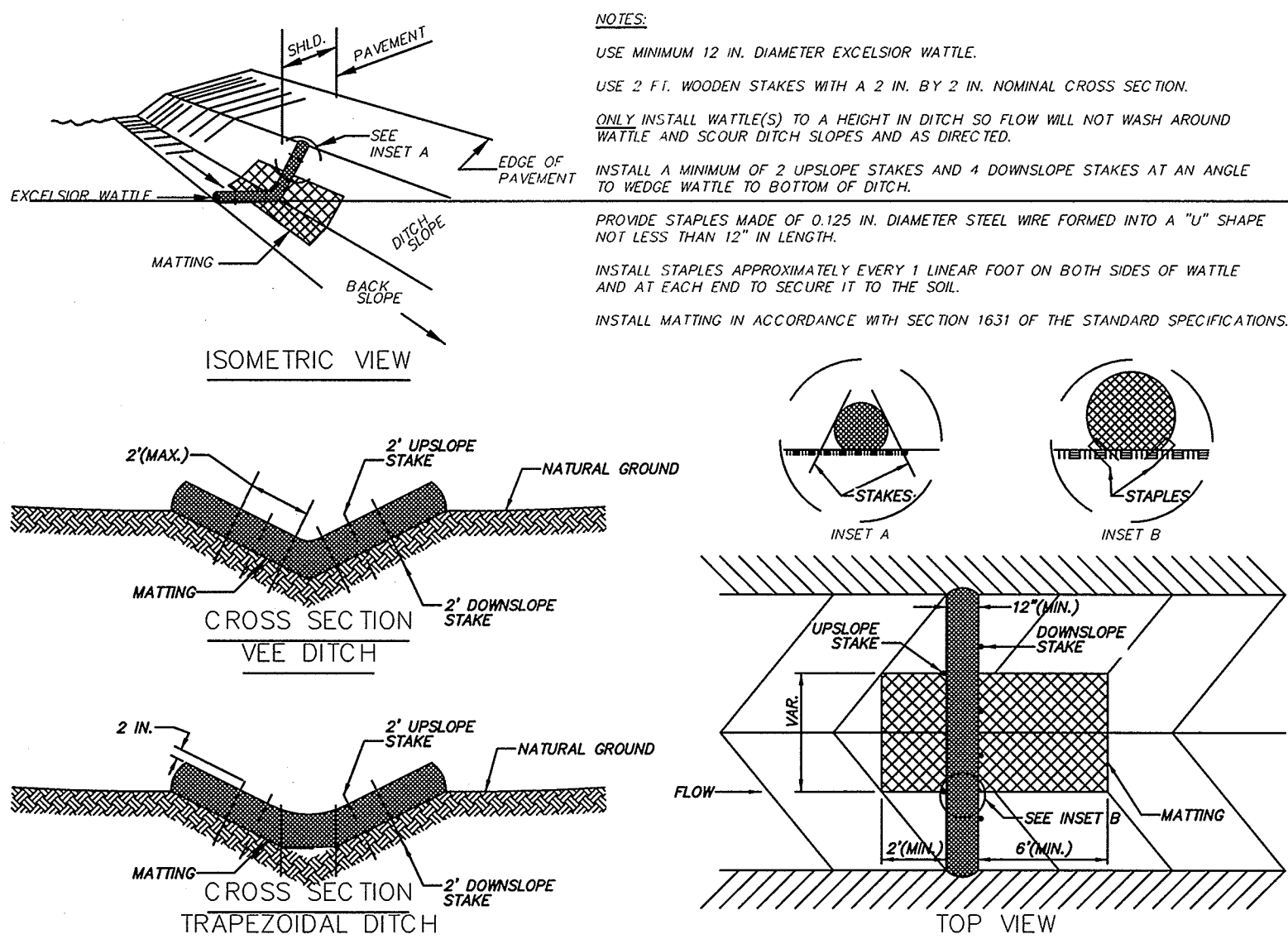
CONSTRUCTION SPECIFICATIONS

1. SILT FENCE DROP INLET PROTECTION
 - A. SILT FENCE SHALL CONFORM TO THE CONSTRUCTION SPECIFICATIONS FOR "EXTRA STRENGTH" DEHNR 6.51 AND SHALL BE CUT FROM A CONTINUOUS ROLL TO AVOID JOINTS.
 - B. STAKES SHALL BE 2 x 4-INCH WOOD (PREFERRED) OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET.
 - C. SPACE STAKES EVENLY AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 3-FEET APART, AND SECURELY DRIVE THEM INTO THE GROUND, APPROXIMATELY 18-INCHES DEEP.
 - D. TO PROVIDE NEEDED STABILITY TO THE INSTALLATION, FRAME WITH 2 x 4-INCH WOOD STRIPS AROUND THE CREST OF THE OVERFLOW AREA AT A MAXIMUM OF 1 1/2 FEET ABOVE THE DROP INLET CREST.
 - E. PLACE THE BOTTOM 12 INCHES OF THE FABRIC IN A TRENCH AND BACKFILL THE TRENCH WITH 12 INCHES OF COMPACTED SOIL.
 - F. FASTEN FABRIC SECURELY BY STAPLES OR WIRE TO THE STAKES AND FRAME. JOINTS MUST BE OVERLAPPED TO THE NEXT STAKE.
 - G. IT MAY BE NECESSARY TO BUILD A TEMPORARY DIKE ON THE DOWNSLOPE SIDE OF THE STRUCTURE TO PREVENT BYPASS FLOW.



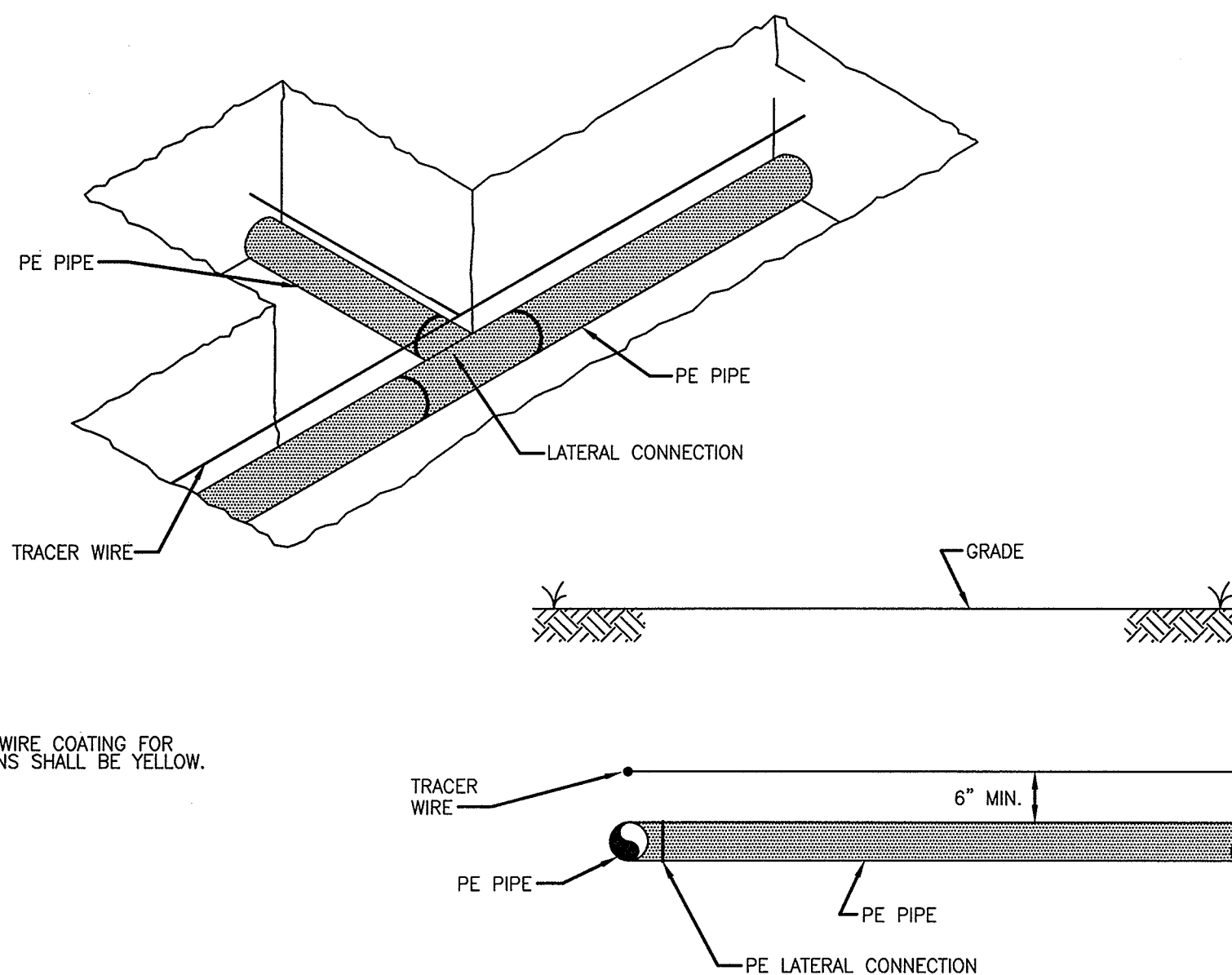
3 STORM DRAIN INLET PROTECTION

D2 NOT TO SCALE



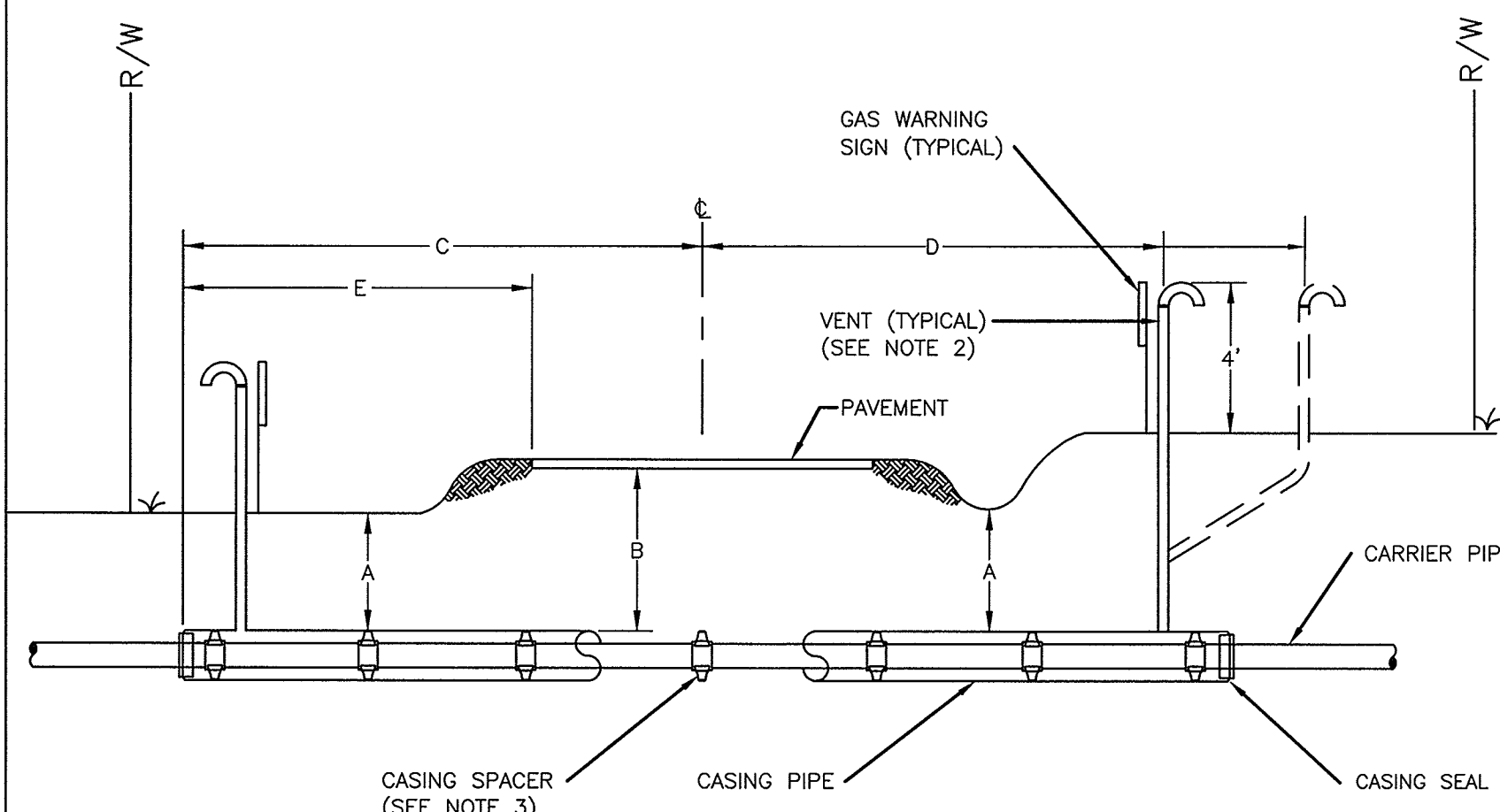
4 EXCELSIOR WATTLE DETAIL

D2 NOT TO SCALE



5 TYPICAL LOCATING DEVICE INSTALLATION

D2 FOR SINGLE TRENCH INSTALLATION NOT TO SCALE



GENERAL NOTES:

1. CASING FOR EACH CROSSING SHALL BE WELDED INTO ONE CONTINUOUS LENGTH.
2. ALL VENT CONNECTIONS SHALL BE WELDED. COUPLINGS SHALL NOT BE ALLOWED.
3. CASING SPACERS ARE TO BE PLACED A MAXIMUM OF 0'-6" FROM EACH END OF THE CASING AND A MAXIMUM OF 10'-0" ON CENTER FOR THE REMAINING LENGTH OF THE CASING.

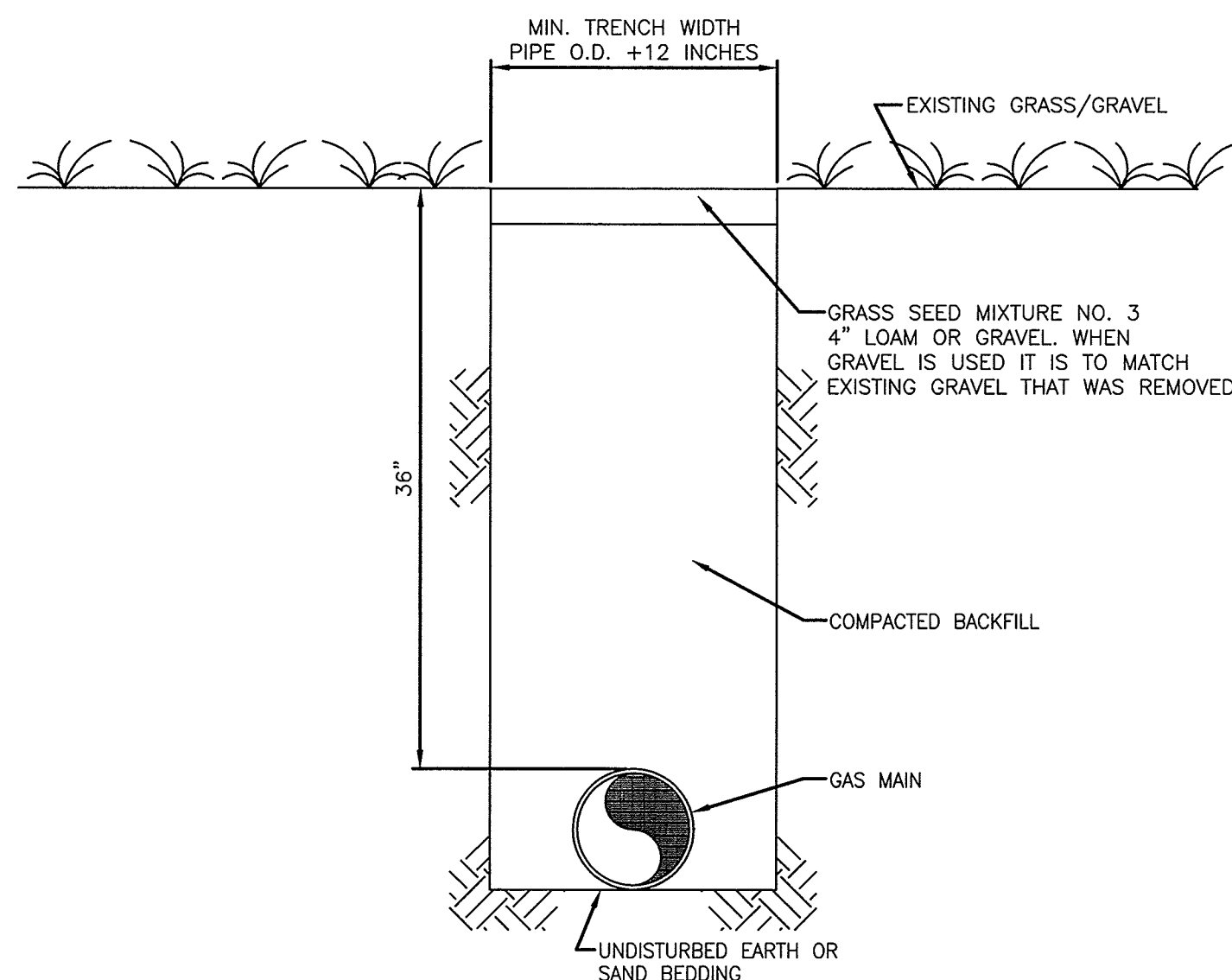
DIMENSIONS:

FOR ROADWAY CROSSINGS

- "A" = FOUR (4) FEET MINIMUM
"B" = FOUR (4) FEET MINIMUM
"C" = AS SHOWN ON PLANS
"D" = TO THE RIGHT-OF-WAY LINE
"E" = MINIMUM 5' FROM END OF CASING TO EDGE OF PAVEMENT

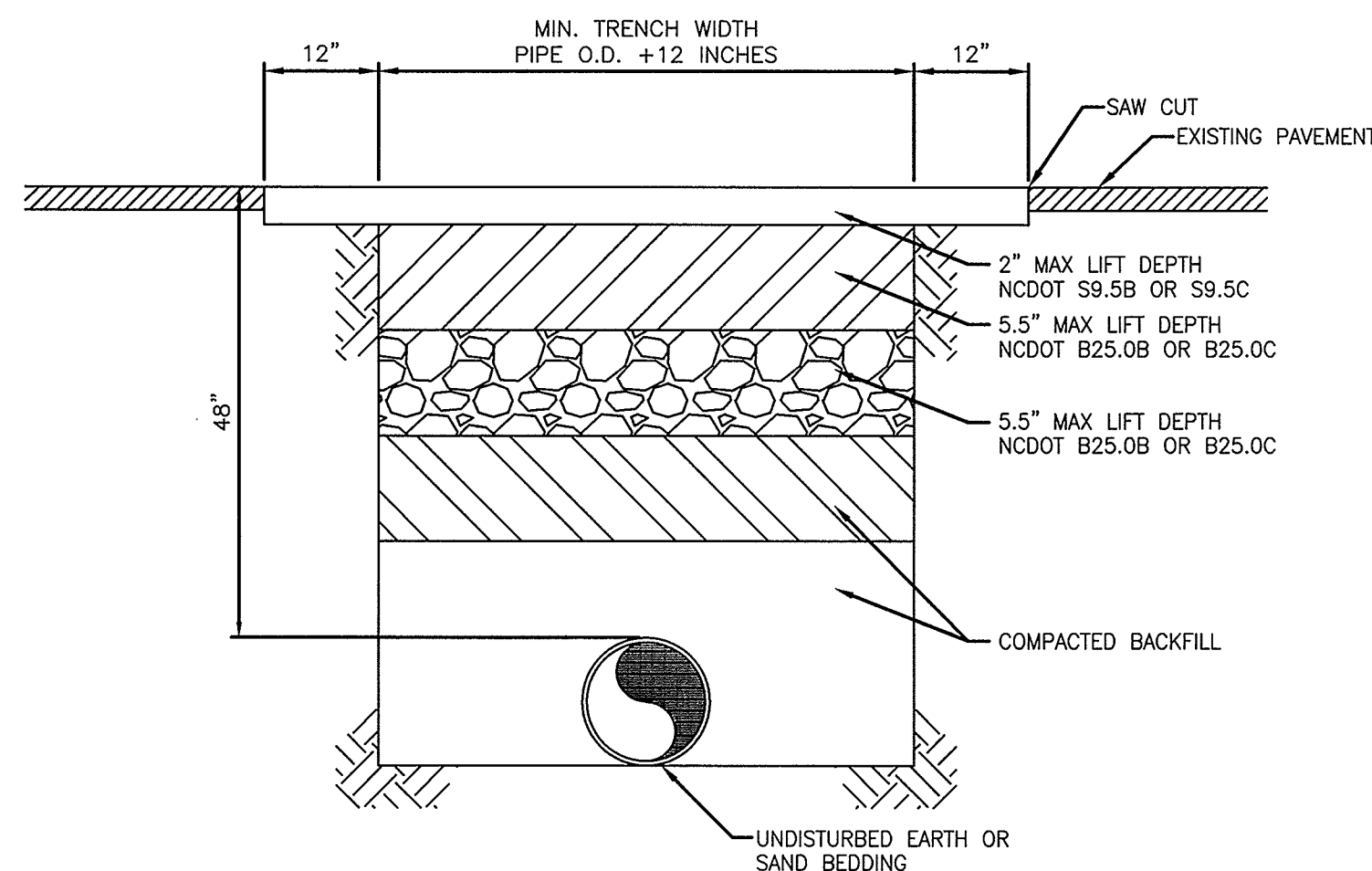
6 CASING DETAIL

D2 NOT TO SCALE



7 TYPICAL TRENCH SECTION

D2 IN GRASS/ GRAVEL AREA NOT TO SCALE



8 TYPICAL PAVEMENT REPAIR

D2 ON NCDOT MAINTAINED ROADS NOT TO SCALE

REVISIONS:

NO.	DATE	DESCRIPTION	REV.
1	05/29/18	ISSUED FOR PERMIT	1

Greenville
Utilities

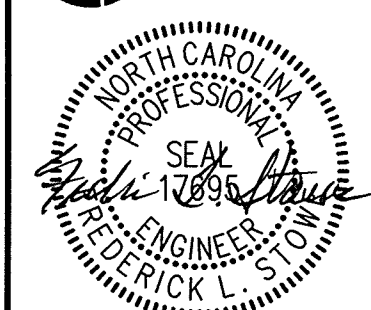
EROSION CONTROL AND MISCELLANEOUS DETAILS

GREENVILLE UTILITIES COMMISSION
GCP-10094 THOMAS LANGSTON
ROAD ENHANCEMENTS

NORTH CAROLINA

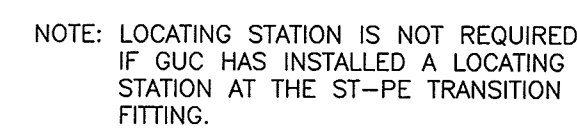
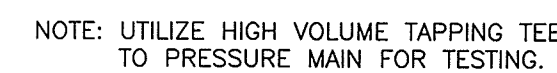
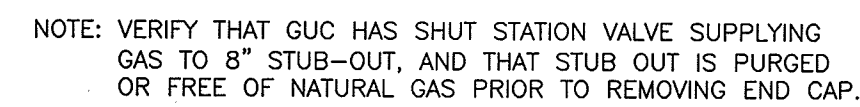
PITT COUNTY

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Since 1918
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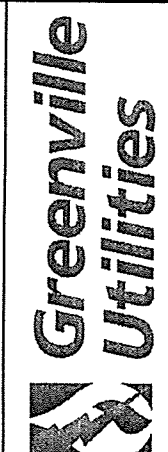
SURVEY	-	DRAFT	JML
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D2



NOTE: REMOVE 8" PE END CAPS
AFTER TESTING

REV.	DESCRIPTION	DATE	APPD
1			

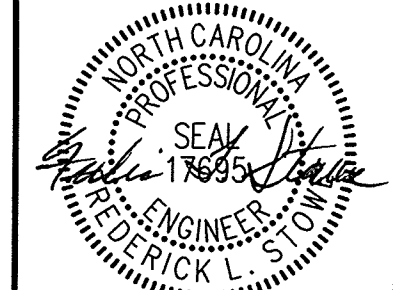
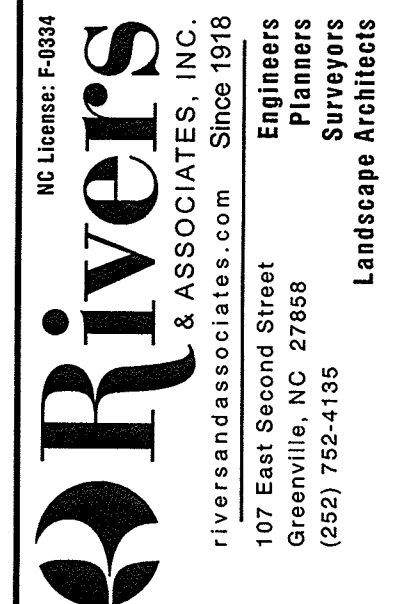


MISCELLANEOUS DETAILS

GREENVILLE UTILITIES COMMISSION
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NORTH CAROLINA

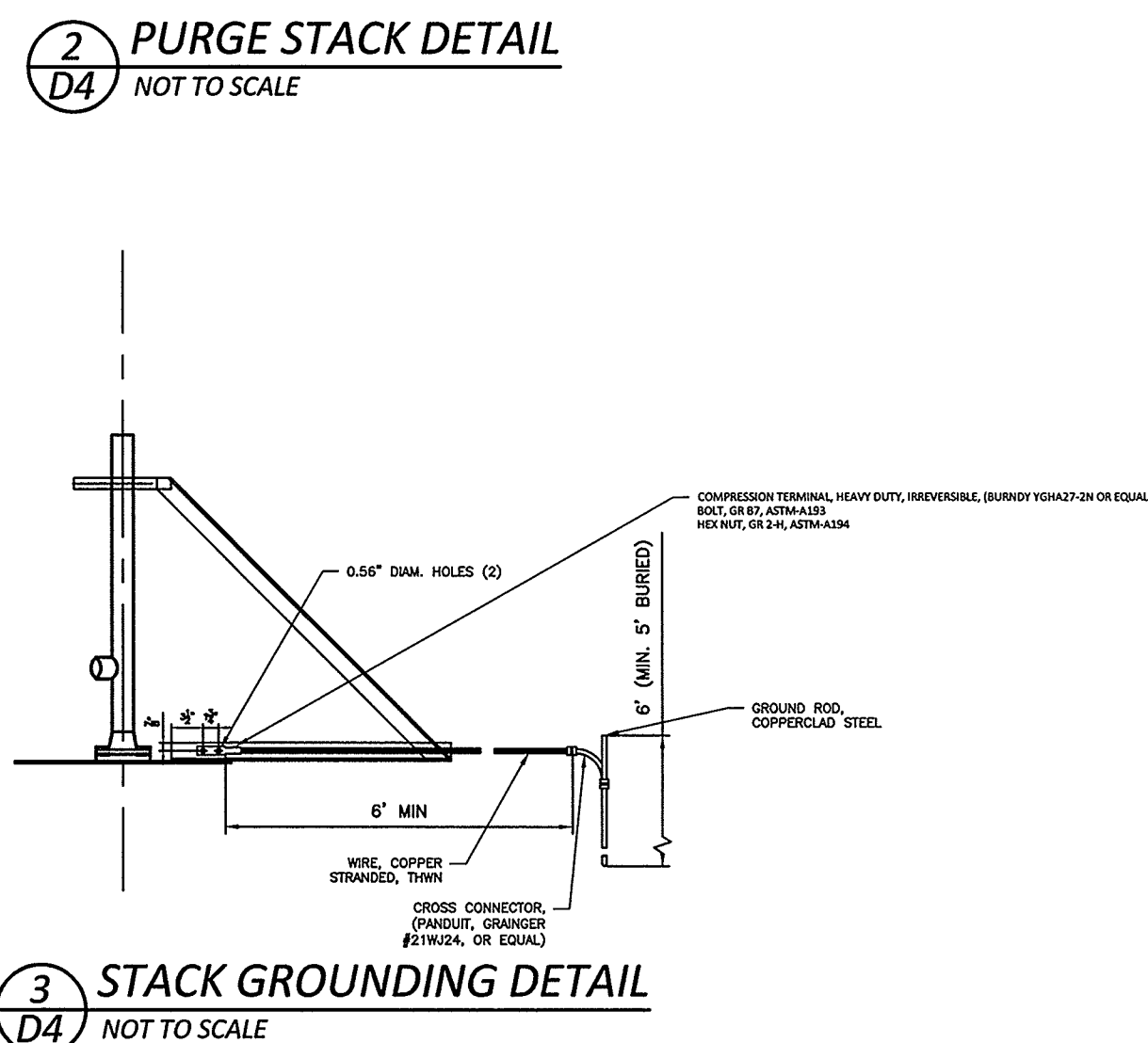
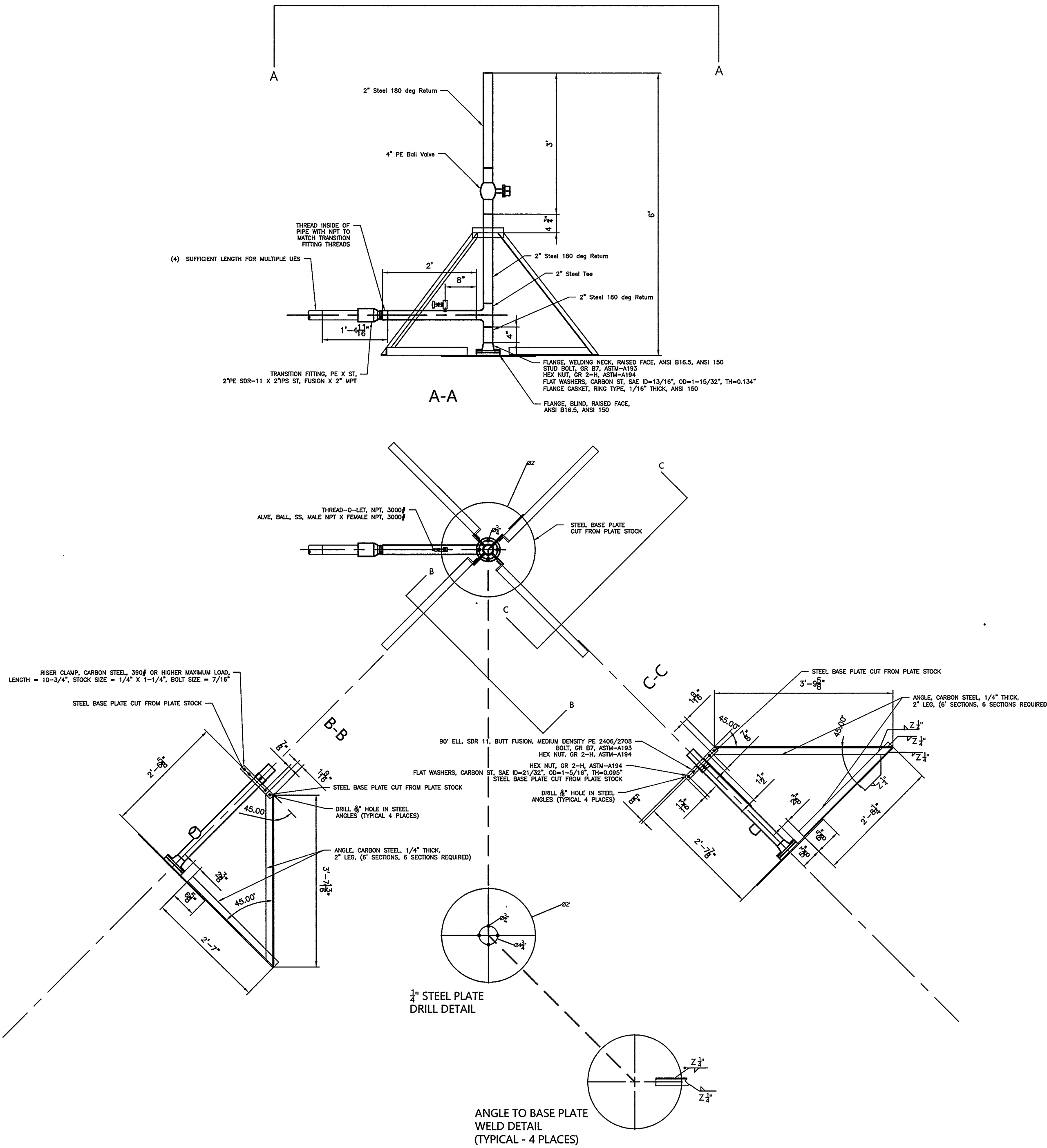
PITT COUNTY

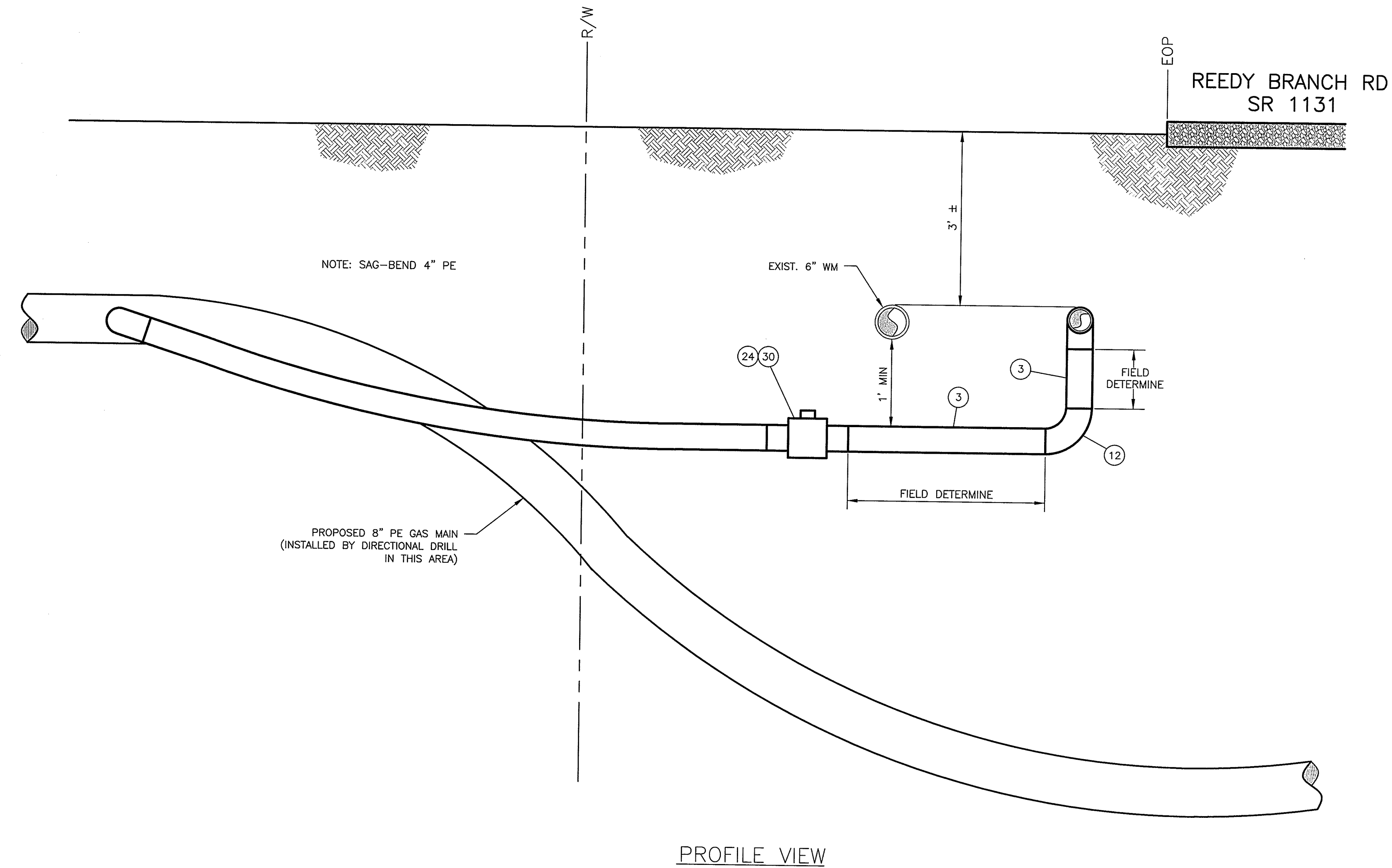
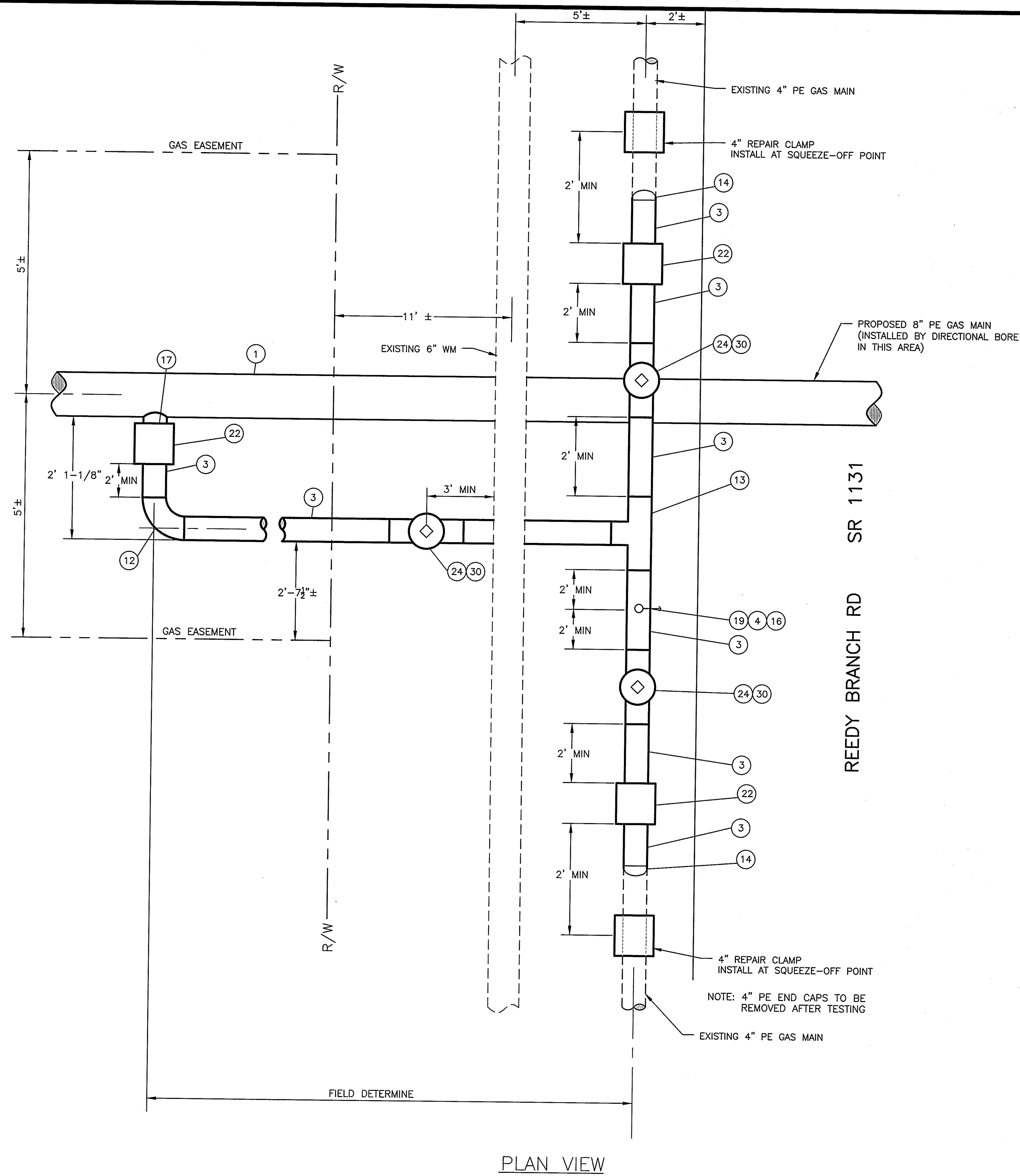


5/29/18

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D3

[illegible]



1
D5

DETAIL
NOT TO SCALE