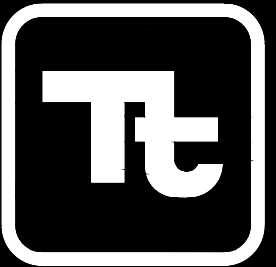


FAYETTE COUNTY DOGWOOD TRAIL CULVERT REPLACEMENT PROJECT PROJECT NUMBER 17SAH



1899 POWERS FERRY ROAD SE, SUITE 400
ATLANTA, GEORGIA 30339
TEL: (770) 850-0949 FAX: (770) 850-0950

www.tetrattech.com



TETRA TECH

PROJECT LOCATION:

315 DOGWOOD TRAIL
TYRONE, GA 30290

CLIENT INFORMATION:

FAYETTE COUNTY
140 STONEWALL AVE W, SUITE 203
FAYETTEVILLE, GA 30214

Tt PROJECT No.:

200-01297-18005

CLIENT PROJECT No.:

17SAH

PROJECT DESCRIPTION / NOTES:

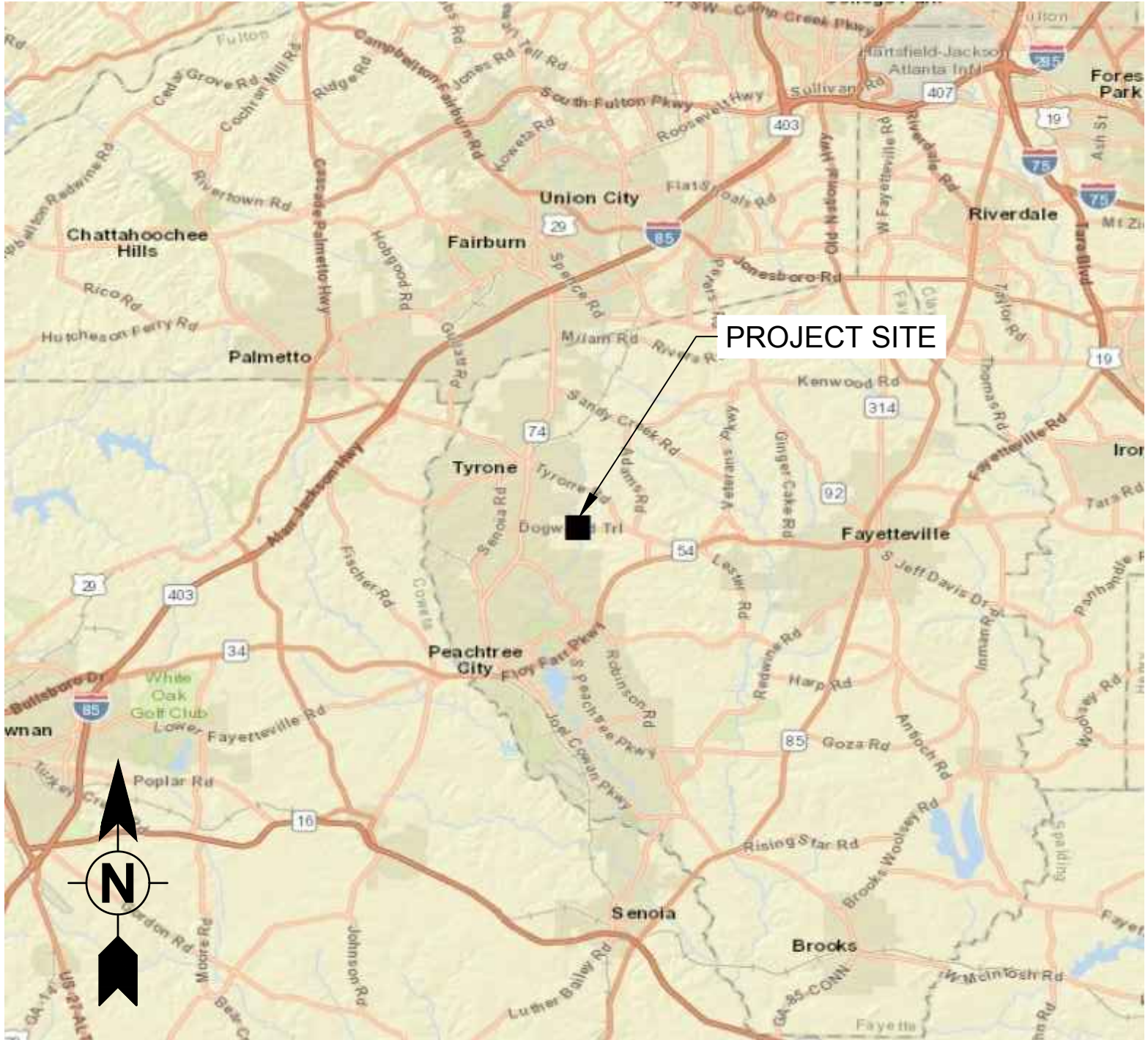
REFERENCE DATUM: NAD83 GEORGIA STATE PLANE, WEST ZONE, US FOOT

THE PROJECT SHALL CONSIST OF THE DEMOLITION OF THE EXISTING CMP CULVERT UNDER DOGWOOD TRAIL AND THE INSTALLATION OF 80 LINEAR FEET OF 48'X14' CONCRETE BOTTOMLESS ARCH CULVERT ALONG WITH THE RELOCATION OF THE EXISTING UTILITIES IN THE AREA.

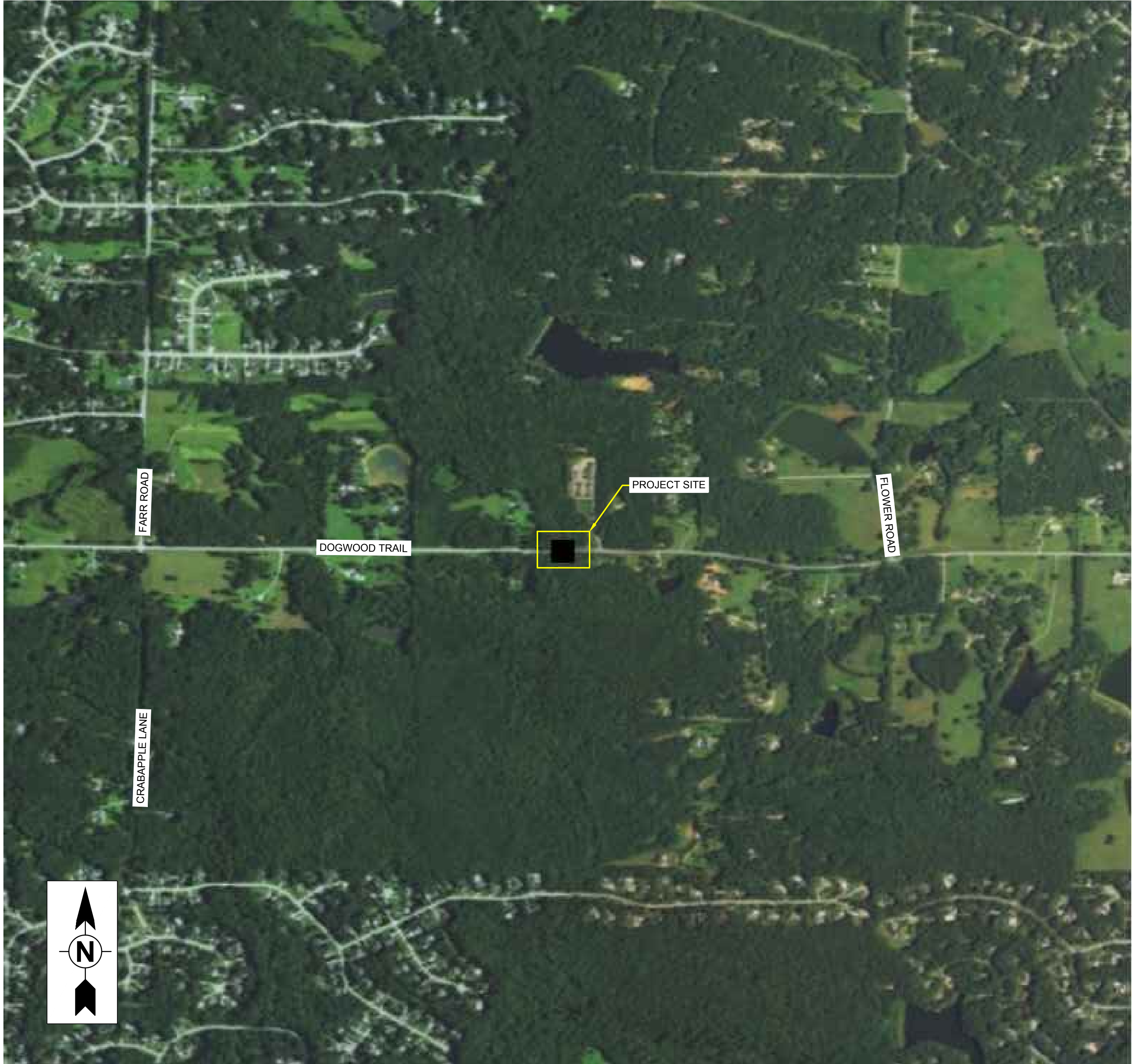
ISSUED:

ISSUED FOR CONSTRUCTION - 03/08/19

VICINITY MAP:



NOT TO SCALE



NOT TO SCALE

INDEX OF DRAWINGS	
Sheet No.	Title
GENERAL	
G-000	COVER SHEET
G-001	LEGEND AND ABBREVIATIONS
G-002	GENERAL NOTES
CIVIL	
C-101	EXISTING CONDITIONS
C-102	DEMOLITION PLAN
C-103	SITE PLAN
C-104	GRADING AND DRAINAGE PLAN
C-105	GRADING AND DRAINAGE PROFILE
C-106	EROSION CONTROL PLAN
C-501	CONSTRUCTION DETAILS
C-502	CONSTRUCTION DETAILS
C-503	EROSION CONTROL DETAILS
C-504	NPDES NOTES
C-505	NPDES NOTES
C-506	NPDES CHECKLIST



GSWCC LEVEL II
CERT. # 0000073529

3/8/2019 3:59:15 PM - C:\PROJECTS\ATLANTA\TAIR01297200-01297-18005\CAD\SHETS\FILESC-101 EXISTING CONDITIONS.DWG - ACKERMANN, HANNAH

SURVEY NOTES:
 1. SURVEY SOURCE: ROCHESTER AND ASSOCIATES, INC.
 SURVEY DATE: 10/02/17



GSWCC LEVEL II
 CERT. # 0000073529

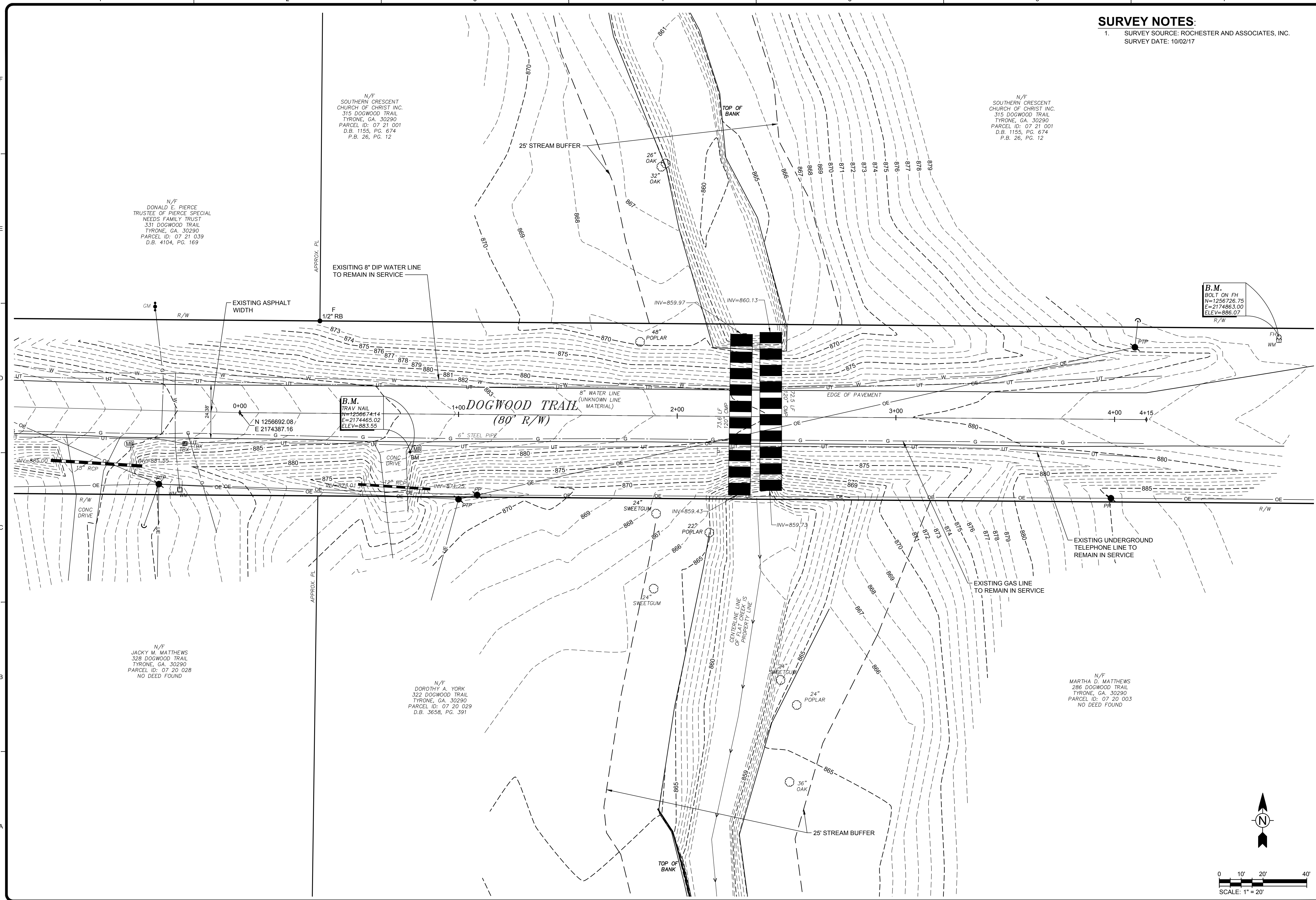
MARK	DATE	DESCRIPTION	BY
0	03/08/19	ISSUED FOR CONSTRUCTION	HA

FAYETTE COUNTY
 DOGWOOD TRL CULVERT REPLACEMENT
EXISTING CONDITIONS

Project No.: 200-01297-18005
 Designed By: CG
 Drawn By: HA
 Checked By: DL

C-101

Bar Measures 1 inch



N/F
 DONALD E. PIERCE
 TRUSTEE OF PIERCE SPECIAL
 NEEDS FAMILY TRUST
 331 DOGWOOD TRAIL
 TYRONE, GA. 30290
 PARCEL ID: 07 21 039
 D.B. 4104, PG. 169

N/F
 SOUTHERN CRESCENT
 CHURCH OF CHRIST INC.
 315 DOGWOOD TRAIL
 TYRONE, GA. 30290
 PARCEL ID: 07 21 001
 D.B. 1155, PG. 674
 P.B. 26, PG. 12

N/F
 SOUTHERN CRESCENT
 CHURCH OF CHRIST INC.
 315 DOGWOOD TRAIL
 TYRONE, GA. 30290
 PARCEL ID: 07 21 001
 D.B. 1155, PG. 674
 P.B. 26, PG. 12

N/F
 JACKY M. MATTHEWS
 328 DOGWOOD TRAIL
 TYRONE, GA. 30290
 PARCEL ID: 07 20 028
 NO DEED FOUND

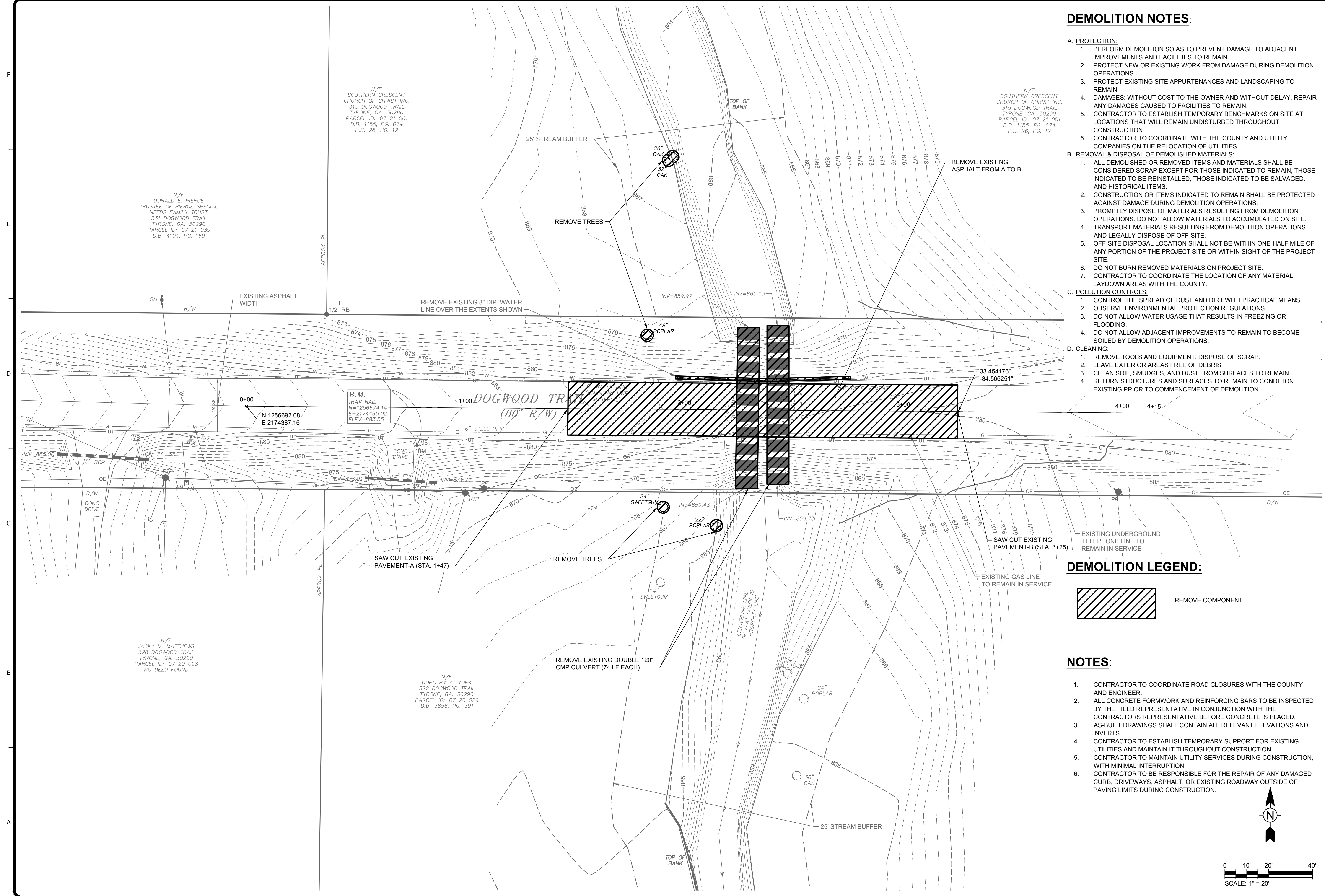
N/F
 DOROTHY A. YORK
 322 DOGWOOD TRAIL
 TYRONE, GA. 30290
 PARCEL ID: 07 20 029
 D.B. 3658, PG. 391

N/F
 MARTHA D. MATTHEWS
 286 DOGWOOD TRAIL
 TYRONE, GA. 30290
 PARCEL ID: 07 20 003
 NO DEED FOUND

B.M.
 TRAV NAIL
 N=1256874.14
 E=2174465.02
 ELEV=883.55

B.M.
 BOLT ON FH
 N=1256726.75
 E=2174863.00
 ELEV=886.07

3/8/2019 3:59:33 PM - C:\PROJECTS\ATLANTA\TAIER01297200-01297-18005\CAD\SHSHEETFILES\102 DEMOLITION PLAN.DWG - ACKERMANN, HANNAH



DEMOLITION NOTES:

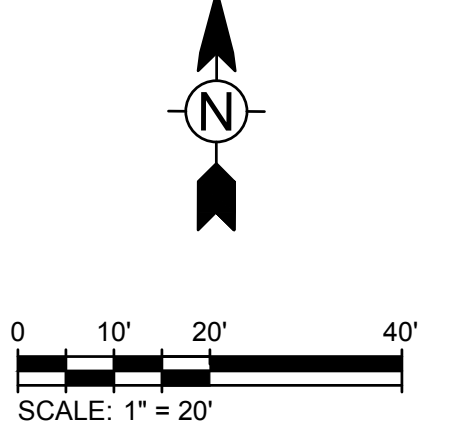
- A. PROTECTION:**
- PERFORM DEMOLITION SO AS TO PREVENT DAMAGE TO ADJACENT IMPROVEMENTS AND FACILITIES TO REMAIN.
 - PROTECT NEW OR EXISTING WORK FROM DAMAGE DURING DEMOLITION OPERATIONS.
 - PROTECT EXISTING SITE APPURTENANCES AND LANDSCAPING TO REMAIN.
 - DAMAGES: WITHOUT COST TO THE OWNER AND WITHOUT DELAY, REPAIR ANY DAMAGES CAUSED TO FACILITIES TO REMAIN.
 - CONTRACTOR TO ESTABLISH TEMPORARY BENCHMARKS ON SITE AT LOCATIONS THAT WILL REMAIN UNDISTURBED THROUGHOUT CONSTRUCTION.
 - CONTRACTOR TO COORDINATE WITH THE COUNTY AND UTILITY COMPANIES ON THE RELOCATION OF UTILITIES.
- B. REMOVAL & DISPOSAL OF DEMOLISHED MATERIALS:**
- ALL DEMOLISHED OR REMOVED ITEMS AND MATERIALS SHALL BE CONSIDERED SCRAP EXCEPT FOR THOSE INDICATED TO REMAIN, THOSE INDICATED TO BE REINSTALLED, THOSE INDICATED TO BE SALVAGED, AND HISTORICAL ITEMS.
 - CONSTRUCTION OR ITEMS INDICATED TO REMAIN SHALL BE PROTECTED AGAINST DAMAGE DURING DEMOLITION OPERATIONS.
 - PROMPTLY DISPOSE OF MATERIALS RESULTING FROM DEMOLITION OPERATIONS. DO NOT ALLOW MATERIALS TO ACCUMULATED ON SITE.
 - TRANSPORT MATERIALS RESULTING FROM DEMOLITION OPERATIONS AND LEGALLY DISPOSE OF OFF-SITE.
 - OFF-SITE DISPOSAL LOCATION SHALL NOT BE WITHIN ONE-HALF MILE OF ANY PORTION OF THE PROJECT SITE OR WITHIN SIGHT OF THE PROJECT SITE.
 - DO NOT BURN REMOVED MATERIALS ON PROJECT SITE.
 - CONTRACTOR TO COORDINATE THE LOCATION OF ANY MATERIAL LAYDOWN AREAS WITH THE COUNTY.
- C. POLLUTION CONTROLS:**
- CONTROL THE SPREAD OF DUST AND DIRT WITH PRACTICAL MEANS.
 - OBSERVE ENVIRONMENTAL PROTECTION REGULATIONS.
 - DO NOT ALLOW WATER USAGE THAT RESULTS IN FREEZING OR FLOODING.
 - DO NOT ALLOW ADJACENT IMPROVEMENTS TO REMAIN TO BECOME SOILED BY DEMOLITION OPERATIONS.
- D. CLEANING:**
- REMOVE TOOLS AND EQUIPMENT. DISPOSE OF SCRAP.
 - LEAVE EXTERIOR AREAS FREE OF DEBRIS.
 - CLEAN SOIL, SMUDGES, AND DUST FROM SURFACES TO REMAIN.
 - RETURN STRUCTURES AND SURFACES TO REMAIN TO CONDITION EXISTING PRIOR TO COMMENCEMENT OF DEMOLITION.

DEMOLITION LEGEND:



NOTES:

- CONTRACTOR TO COORDINATE ROAD CLOSURES WITH THE COUNTY AND ENGINEER.
- ALL CONCRETE FORMWORK AND REINFORCING BARS TO BE INSPECTED BY THE FIELD REPRESENTATIVE IN CONJUNCTION WITH THE CONTRACTORS REPRESENTATIVE BEFORE CONCRETE IS PLACED. AS-BUILT DRAWINGS SHALL CONTAIN ALL RELEVANT ELEVATIONS AND INVERTS.
- CONTRACTOR TO ESTABLISH TEMPORARY SUPPORT FOR EXISTING UTILITIES AND MAINTAIN IT THROUGHOUT CONSTRUCTION.
- CONTRACTOR TO MAINTAIN UTILITY SERVICES DURING CONSTRUCTION, WITH MINIMAL INTERRUPTION.
- CONTRACTOR TO BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGED CURB, DRIVEWAYS, ASPHALT, OR EXISTING ROADWAY OUTSIDE OF PAVING LIMITS DURING CONSTRUCTION.



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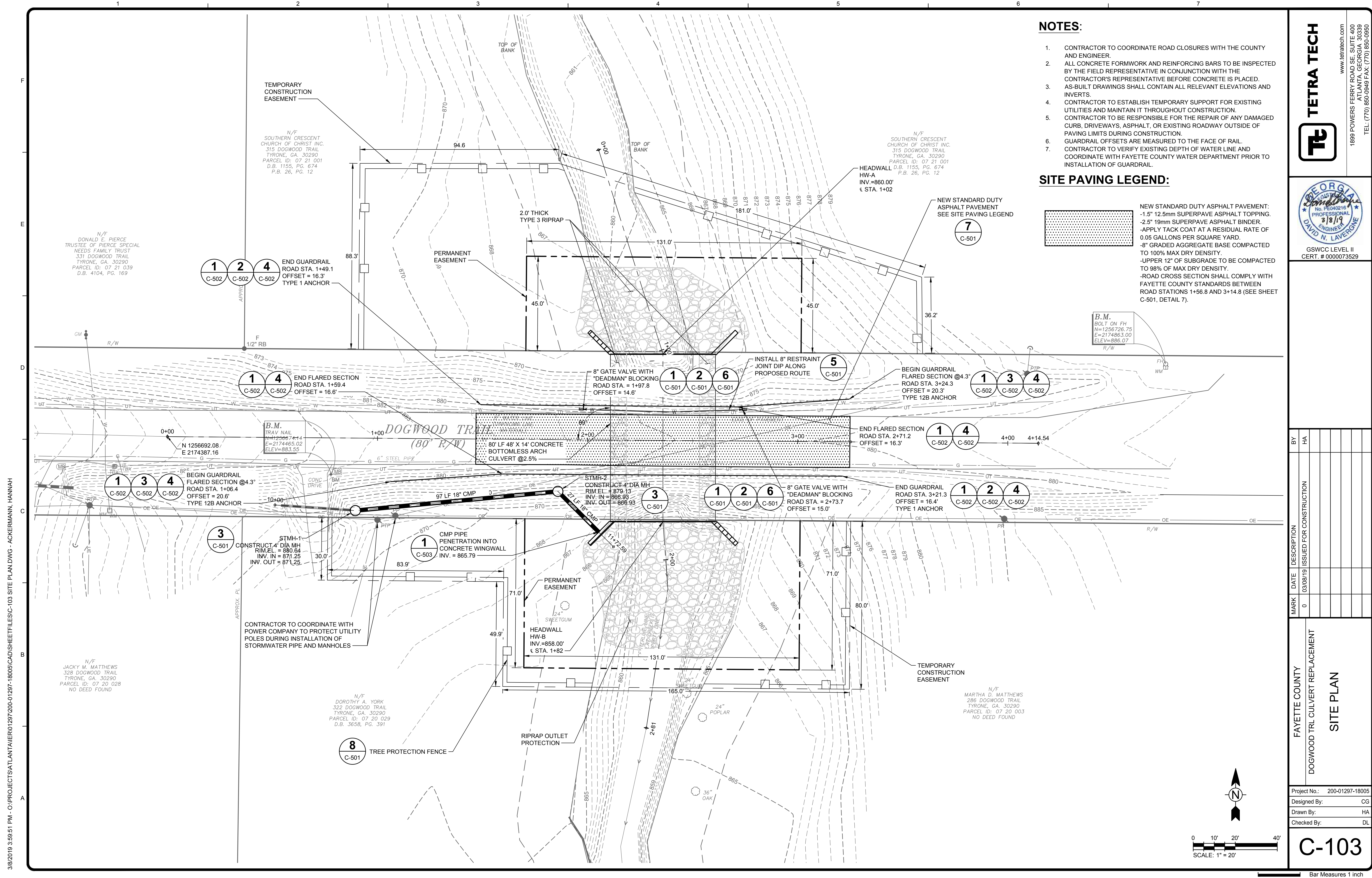
GEORGIA PROFESSIONAL ENGINEER
 No. PE040216
 3/8/19
 DAVID N. LAVERGNE

GSWCC LEVEL II
 CERT. # 0000073529

MARK	DATE	DESCRIPTION	BY
0	03/08/19	ISSUED FOR CONSTRUCTION	HA

FAYETTE COUNTY
 DOGWOOD TRAIL CULVERT REPLACEMENT

Project No.: 200-01297-18005
 Designed By:
 Drawn By:
 Checked By:



NOTES:

- CONTRACTOR TO COORDINATE ROAD CLOSURES WITH THE COUNTY AND ENGINEER.
- ALL CONCRETE FORMWORK AND REINFORCING BARS TO BE INSPECTED BY THE FIELD REPRESENTATIVE IN CONJUNCTION WITH THE CONTRACTOR'S REPRESENTATIVE BEFORE CONCRETE IS PLACED.
- AS-BUILT DRAWINGS SHALL CONTAIN ALL RELEVANT ELEVATIONS AND INVERTS.
- CONTRACTOR TO ESTABLISH TEMPORARY SUPPORT FOR EXISTING UTILITIES AND MAINTAIN IT THROUGHOUT CONSTRUCTION.
- CONTRACTOR TO BE REPRESENTATIVE FOR THE REPAIR OF ANY DAMAGED CURB, DRIVEWAYS, ASPHALT, OR EXISTING ROADWAY OUTSIDE OF PAVING LIMITS DURING CONSTRUCTION.
- GUARDRAIL OFFSETS ARE MEASURED TO THE FACE OF RAIL.
- CONTRACTOR TO VERIFY EXISTING DEPTH OF WATER LINE AND COORDINATE WITH FAYETTE COUNTY WATER DEPARTMENT PRIOR TO INSTALLATION OF GUARDRAIL.

SITE PAVING LEGEND:

NEW STANDARD DUTY ASPHALT PAVEMENT:
 -1.5" 12.5mm SUPERPAVE ASPHALT TOPPING.
 -2.5" 19mm SUPERPAVE ASPHALT BINDER.
 -APPLY TACK COAT AT A RESIDUAL RATE OF 0.05 GALLONS PER SQUARE YARD.
 -8" GRADED AGGREGATE BASE COMPACTED TO 100% MAX DRY DENSITY.
 -UPPER 12" OF SUBGRADE TO BE COMPACTED TO 98% OF MAX DRY DENSITY.
 -ROAD CROSS SECTION SHALL COMPLY WITH FAYETTE COUNTY STANDARDS BETWEEN ROAD STATIONS 1+56.8 AND 3+14.8 (SEE SHEET C-501, DETAIL 7).

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GEORGIA
 No. PE040216
 PROFESSIONAL ENGINEER
 3/8/19
 DAVID N. LAVERGNE
 GSWCC LEVEL II
 CERT. # 0000073529

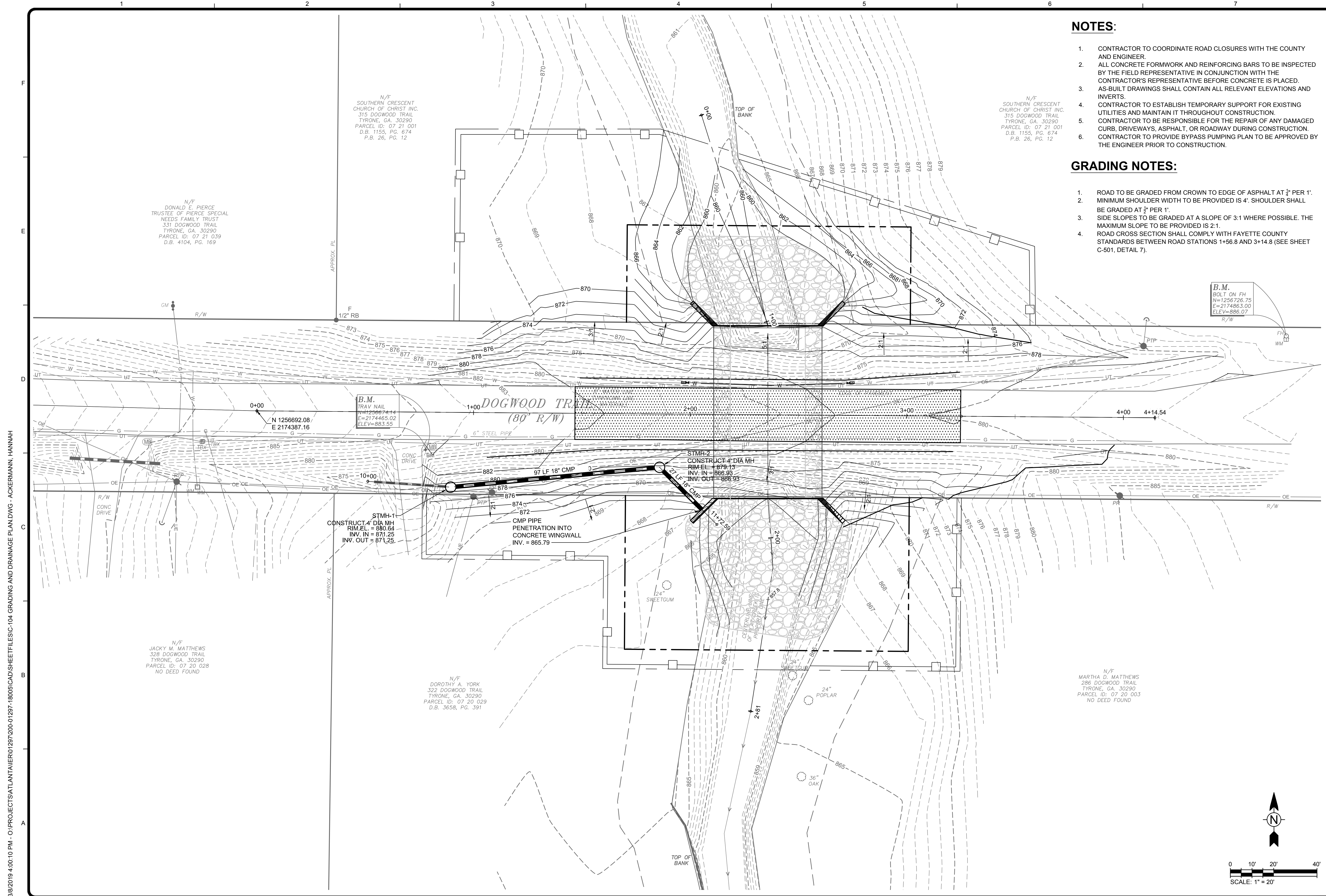
MARK	DATE	DESCRIPTION	BY
0	03/08/19	ISSUED FOR CONSTRUCTION	HA

FAYETTE COUNTY
 DOGWOOD TRAIL CULVERT REPLACEMENT
SITE PLAN

Project No.: 200-01297-18005
 Designed By: CG
 Drawn By: HA
 Checked By: DL

C-103
 Bar Measures 1 inch

3/8/2019 3:59:51 PM - C:\PROJECTS\ATLANTA\TAIER01297\200-01297-18005\CAD\SHSHEET\C-103 SITE PLAN.DWG - ACKERMANN, HANNAH



NOTES:

1. CONTRACTOR TO COORDINATE ROAD CLOSURES WITH THE COUNTY AND ENGINEER.
2. ALL CONCRETE FORMWORK AND REINFORCING BARS TO BE INSPECTED BY THE FIELD REPRESENTATIVE IN CONJUNCTION WITH THE CONTRACTOR'S REPRESENTATIVE BEFORE CONCRETE IS PLACED.
3. AS-BUILT DRAWINGS SHALL CONTAIN ALL RELEVANT ELEVATIONS AND INVERTS.
4. CONTRACTOR TO ESTABLISH TEMPORARY SUPPORT FOR EXISTING UTILITIES AND MAINTAIN IT THROUGHOUT CONSTRUCTION.
5. CONTRACTOR TO BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGED CURB, DRIVEWAYS, ASPHALT, OR ROADWAY DURING CONSTRUCTION.
6. CONTRACTOR TO PROVIDE BYPASS PUMPING PLAN TO BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.

GRADING NOTES:

1. ROAD TO BE GRADED FROM CROWN TO EDGE OF ASPHALT AT 1/2" PER 1'.
2. MINIMUM SHOULDER WIDTH TO BE PROVIDED IS 4'. SHOULDER SHALL BE GRADED AT 1/2" PER 1'.
3. SIDE SLOPES TO BE GRADED AT A SLOPE OF 3:1 WHERE POSSIBLE. THE MAXIMUM SLOPE TO BE PROVIDED IS 2:1.
4. ROAD CROSS SECTION SHALL COMPLY WITH FAYETTE COUNTY STANDARDS BETWEEN ROAD STATIONS 1+56.8 AND 3+14.8 (SEE SHEET C-501, DETAIL 7).



GSWCC LEVEL II
CERT. # 0000073529

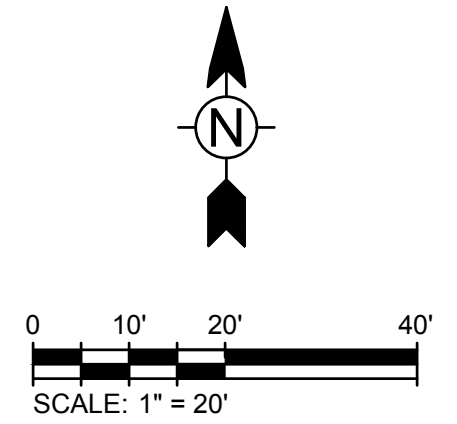
MARK	DATE	DESCRIPTION	BY
0	03/08/19	ISSUED FOR CONSTRUCTION	HA

FAYETTE COUNTY
DOGWOOD TRL CULVERT REPLACEMENT
GRADING AND DRAINAGE PLAN

Project No.: 200-01297-18005
Designed By: CG
Drawn By: HA
Checked By: DL

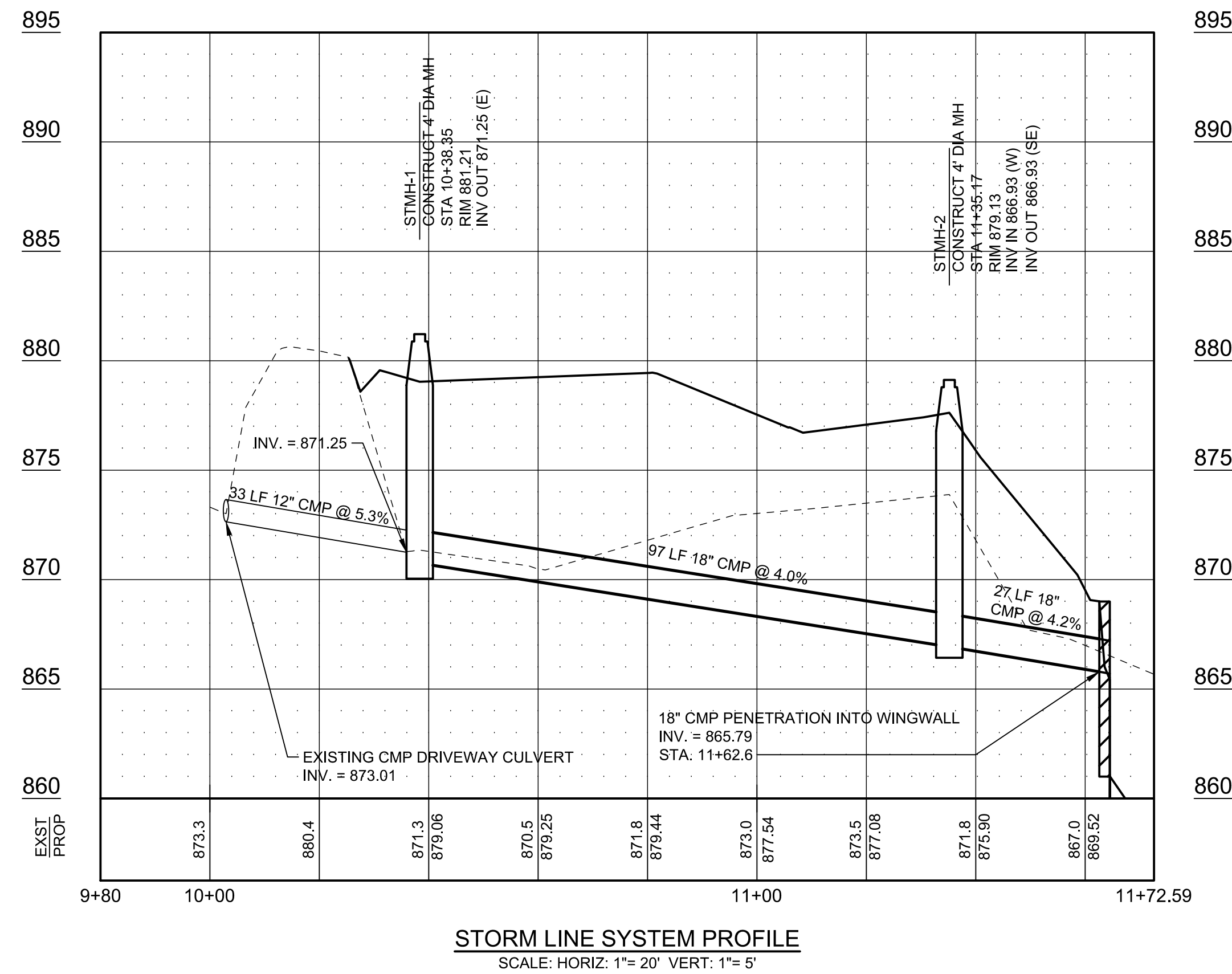
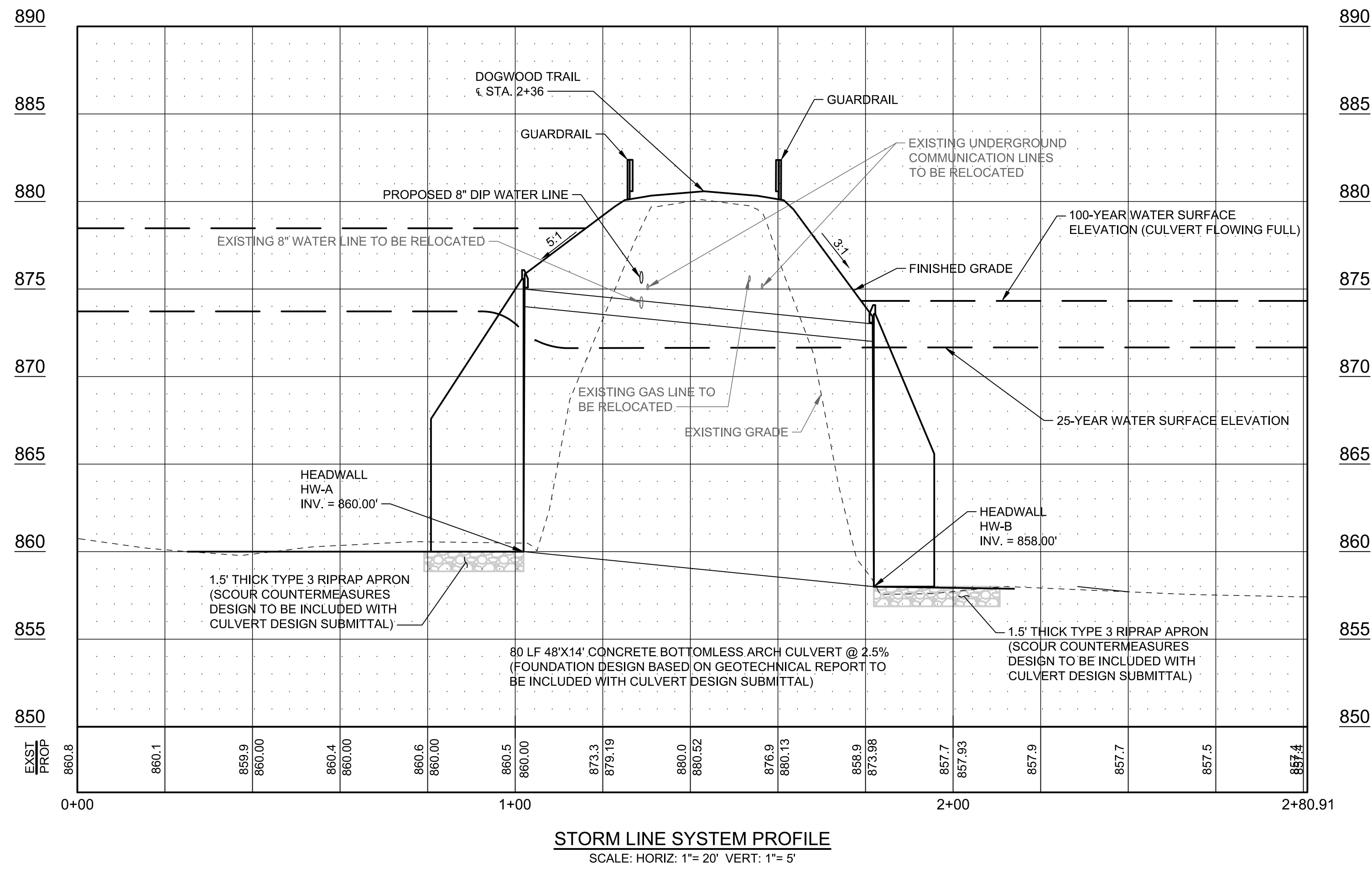
C-104

Bar Measures 1 inch



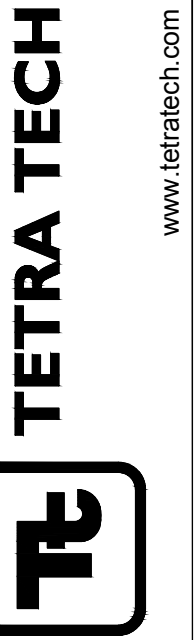
3/8/2019 4:00:10 PM - C:\PROJECTS\ATLANTA\TAIER01297\200-01297-18005\CAD\SHSHEET\ESC-104 GRADING AND DRAINAGE PLAN.DWG - ACKERMANN, HANNAH

3/8/2019 4:00:30 PM - C:\PROJECTS\ATLANTA\TAIER01297200-01297-18005\CAD\SHEETFILES\C-105 GRADING AND DRAINAGE PROFILE.DWG - ACKERMANN, HANNAH



STORM FREQUENCY	FLOW (CFS)	OUTLET VELOCITY (FPS)	DOWNSTREAM VELOCITY (FPS)
25-YEAR	4994	8.7	8.0
50-YEAR	6104	10.7	8.4
100-YEAR	7290	12.8	8.8

DRAINAGE AREA = 237 ACRES
STREAM SLOPE = 0.93%



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CERT. # 0000073529

MARK	DATE	DESCRIPTION	BY
0	03/08/19	ISSUED FOR CONSTRUCTION	HA

FAYETTE COUNTY
DOGWOOD TRAIL CULVERT REPLACEMENT
GRADING AND DRAINAGE PROFILE

Project No.: 200-01297-18005
Designed By: CG
Drawn By: HA
Checked By: DL

C-105

Copyright: Tetra Tech
Bar Measures 1 inch

3/8/2019 4:00:50 PM - C:\PROJECTS\ATLANTA\TAIR01297\200-01297-18005\CAD\SHSHEET\ESC-106 EROSION CONTROL PLAN.DWG - ACKERMANN, HANNAH

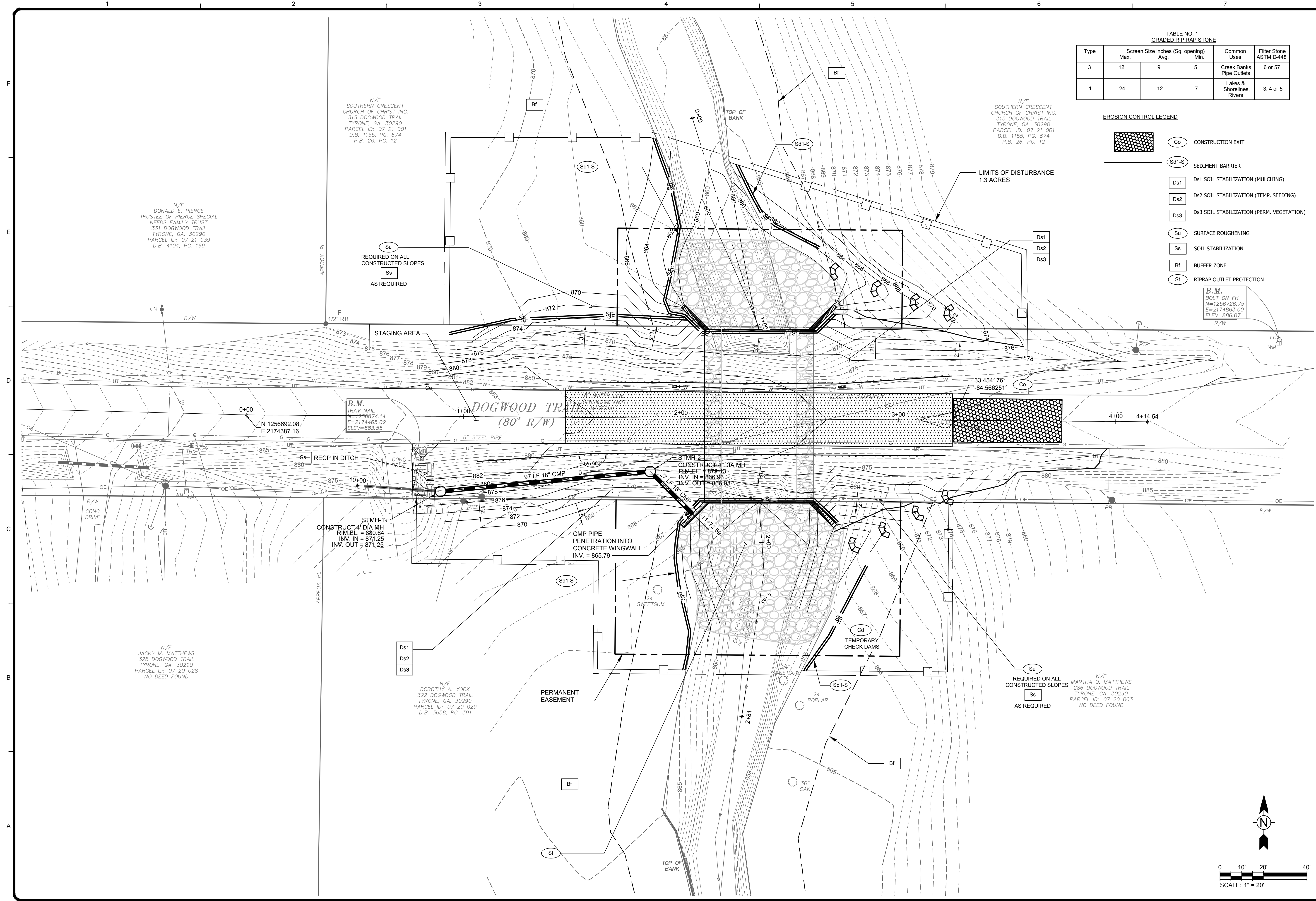


TABLE NO. 1
GRADED RIP RAP STONE

Type	Screen Size inches (Sq. opening)	Max.	Avg.	Min.	Common Uses	Filter Stone ASTM D-448
3	12	9	5		Creek Banks Pipe Outlets	6 or 57
1	24	12	7		Lakes & Shorelines, Rivers	3, 4 or 5

- EROSION CONTROL LEGEND**
- Co CONSTRUCTION EXIT
 - Sd1-S SEDIMENT BARRIER
 - Ds1 Ds1 SOIL STABILIZATION (MULCHING)
 - Ds2 Ds2 SOIL STABILIZATION (TEMP. SEEDING)
 - Ds3 Ds3 SOIL STABILIZATION (PERM. VEGETATION)
 - Su SURFACE ROUGHENING
 - Ss SOIL STABILIZATION
 - Bf BUFFER ZONE
 - St RIPRAP OUTLET PROTECTION

B.M.
BOLT ON FH
N=1256726.75
E=2174863.00
ELEV=886.07

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GEORGIA
Professional Engineer
No. PE040216
3/8/19
DAVID N. LAVERGNE
GSWCC LEVEL II
CERT. # 0000073529

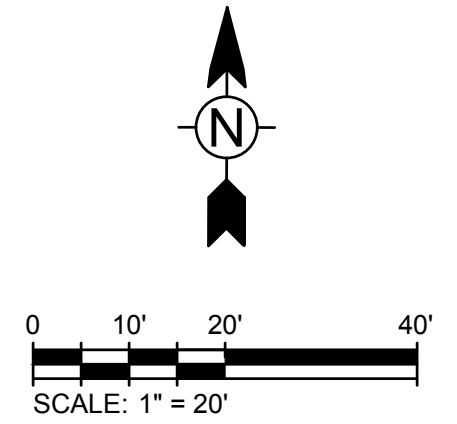
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FAYETTE COUNTY
DOGWOOD TRL CULVERT REPLACEMENT
EROSION CONTROL PLAN

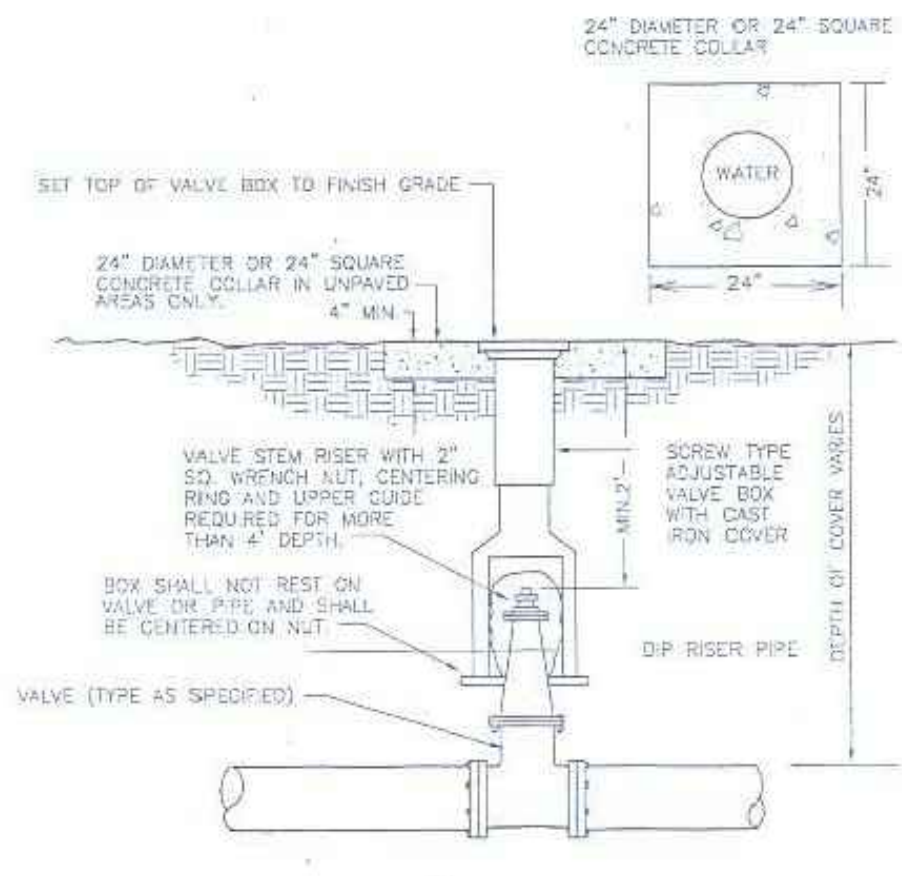
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Designed By: CG
Drawn By: HA
Checked By: DL

C-106

Bar Measures 1 inch

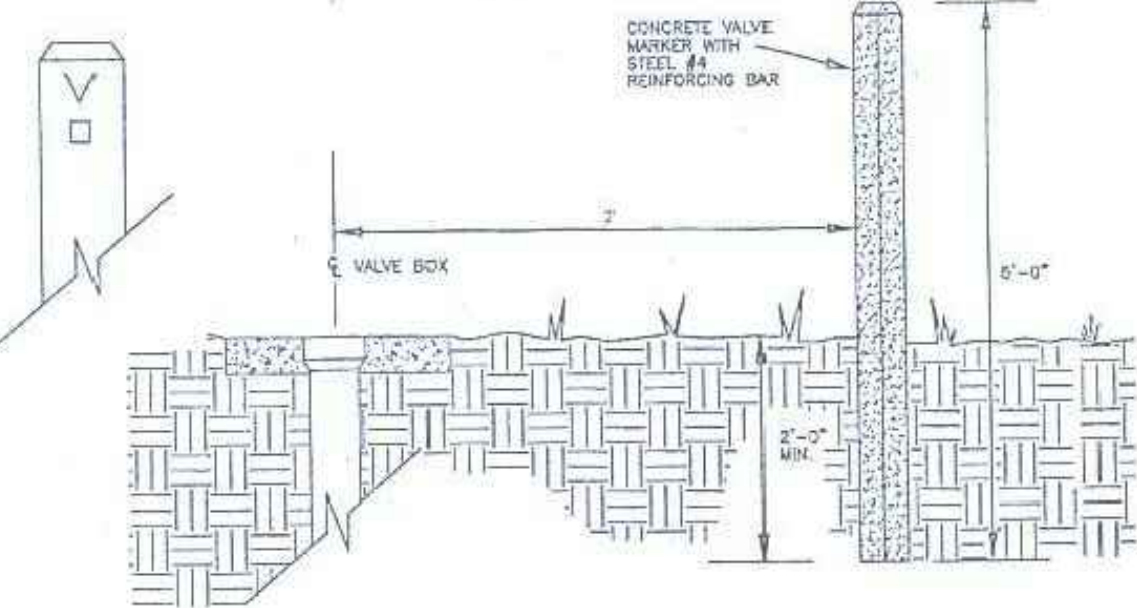


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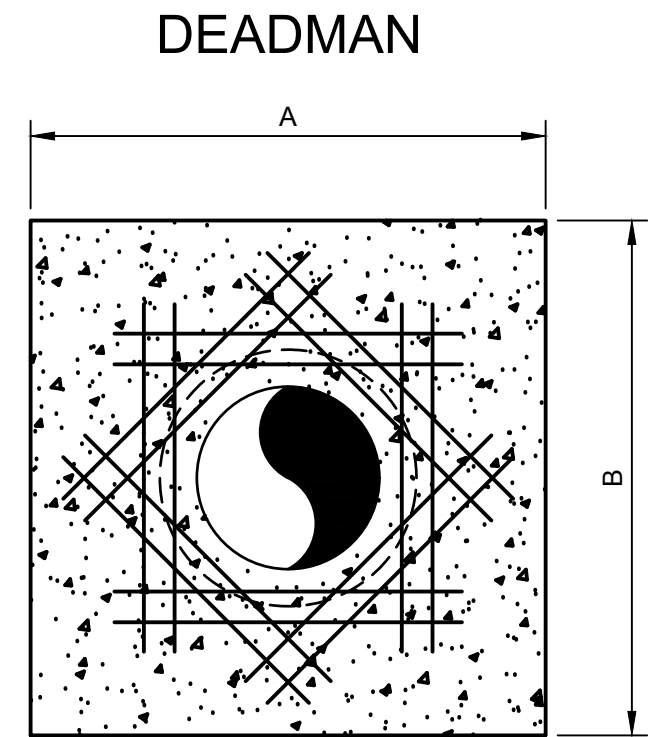
VALVE & VALVE BOX DETAIL

1 DETAIL
SCALE: N.T.S.



VALVE MARKER DETAIL

2 DETAIL
SCALE: N.T.S.

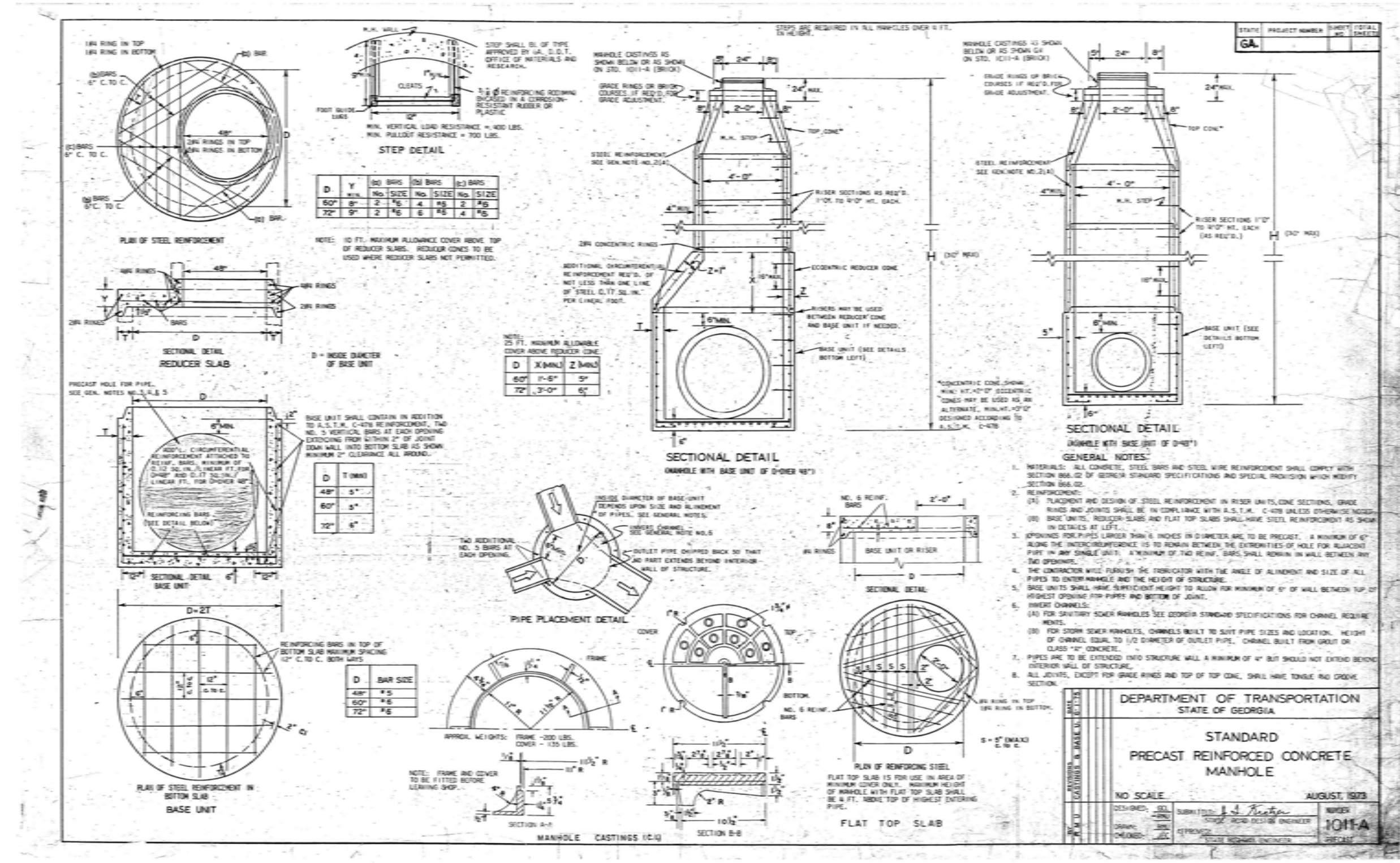


DEADMAN

LINE PRESSURE = 150 PSI
SOIL PRESSURE = 2000 PSF

PIPE SIZE X	A	B
6"	2'-0"	2'-0"
8"	2'-6"	2'-6"
10"	3'-6"	3'-6"
12"	4'-0"	4'-0"
14"	4'-6"	4'-6"
16"	5'-0"	5'-0"
18"	6'-0"	6'-0"
20"	6'-6"	6'-6"
24"	7'-6"	7'-6"

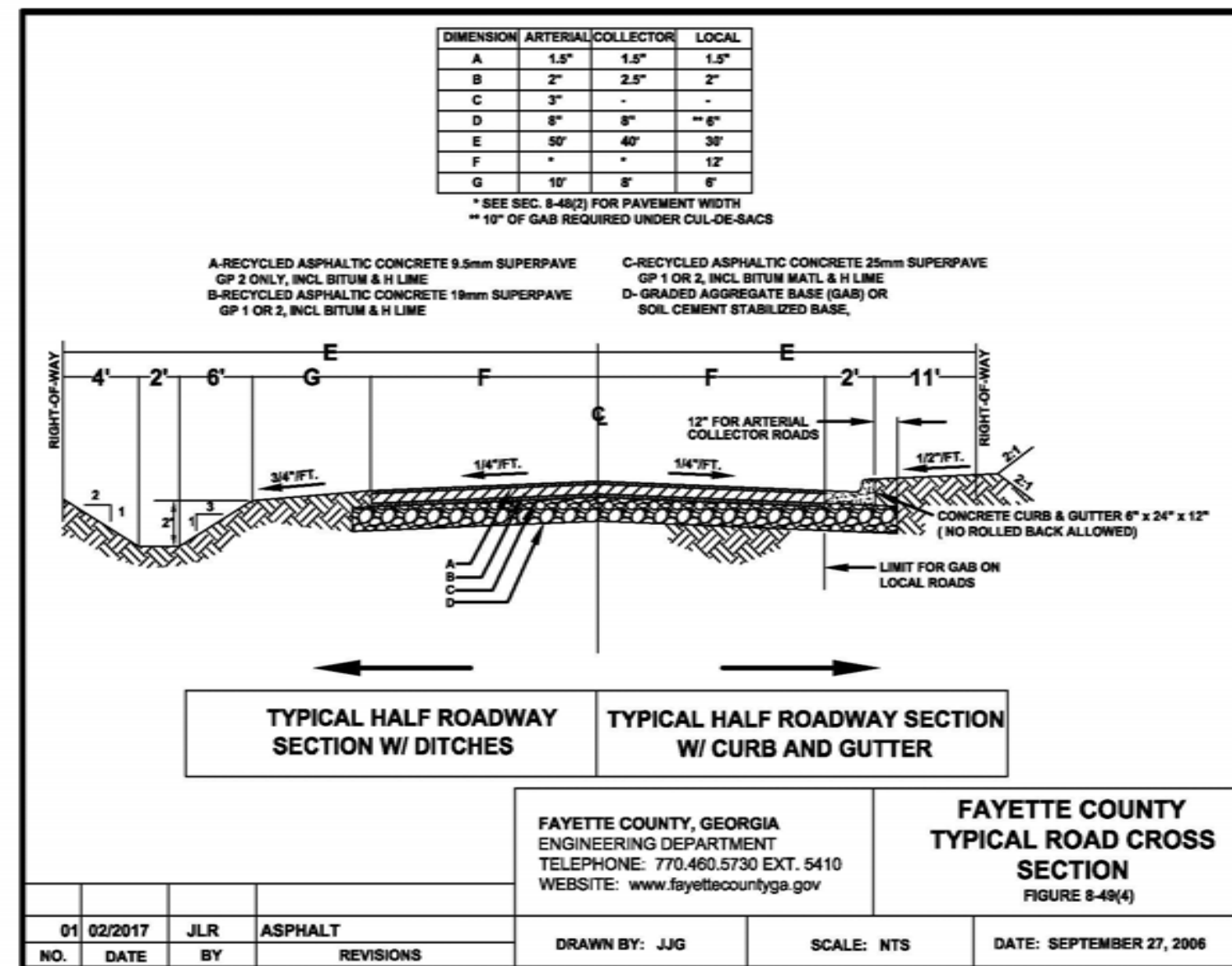
6 DETAIL
SCALE: N.T.S.



3 DETAIL
SCALE: N.T.S.

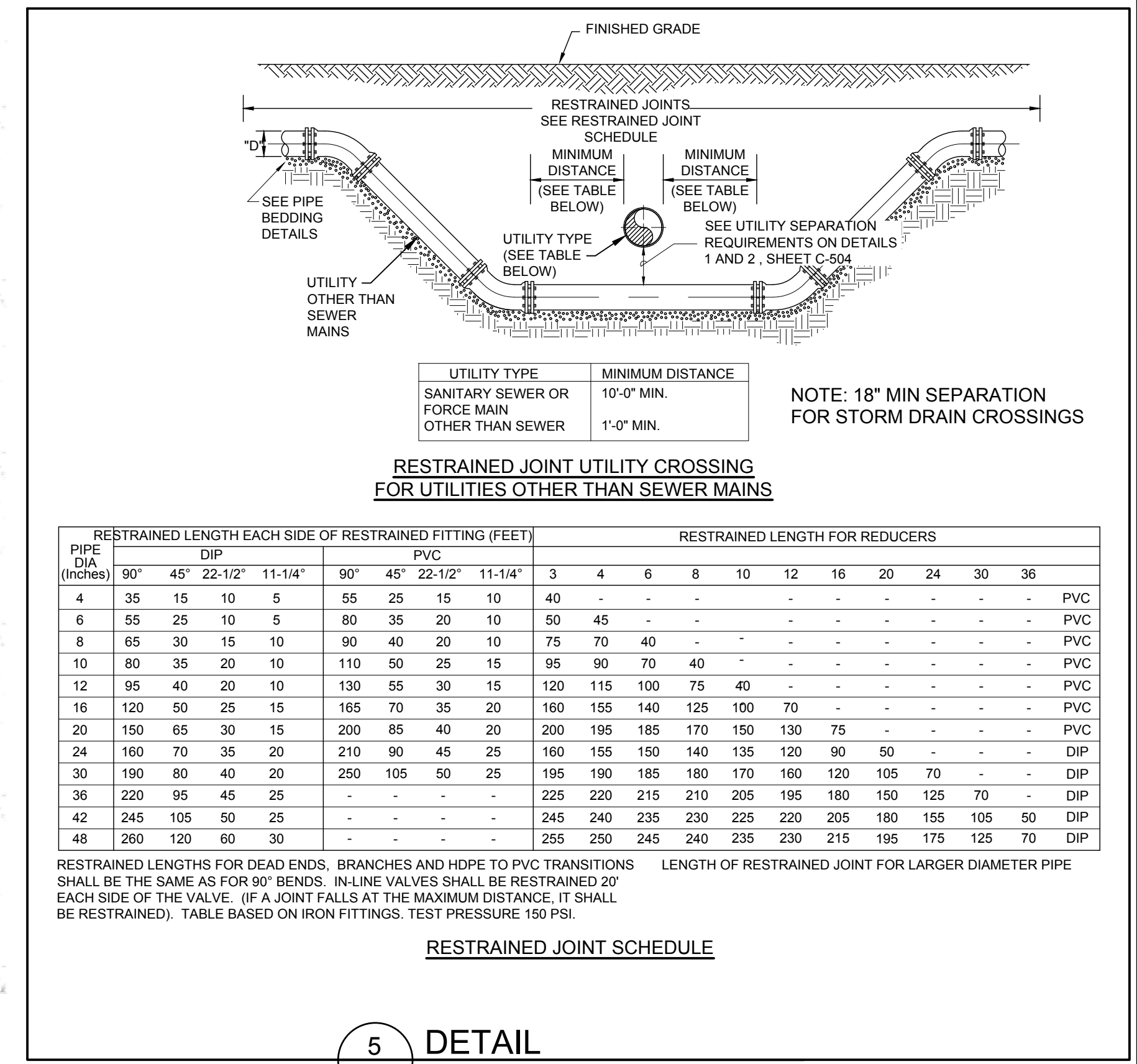
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4 DETAIL
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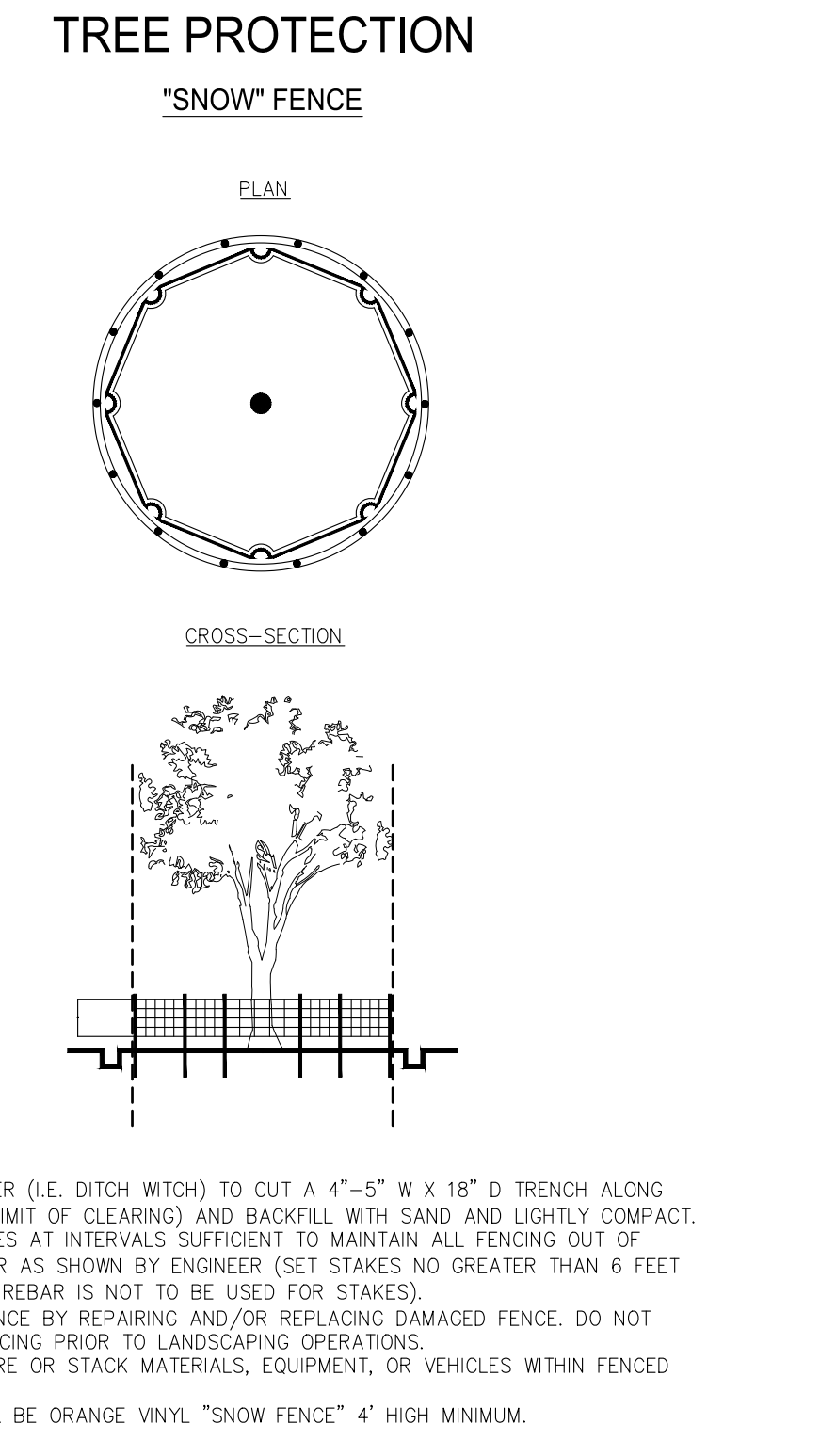


7 DETAIL
SCALE: N.T.S.

- * ROADWAY TO MATCH FAYETTE COUNTY TYPICAL CROSS SECTION FROM STA. 1+57 TO 3+15
- ** DIMENSION "G" TO BE 6' FOR DOGWOOD TRAIL



5 DETAIL
SCALE: N.T.S.



- NOTES:
- USE TRENCHER (I.E. DITCH WITCH) TO CUT A 4"-5" W X 18" D TRENCH ALONG DRIP LINE (LIMIT OF CLEARING) AND BACKFILL WITH SAND AND LIGHTLY COMPACT.
 - SPACE STAKES AT INTERVALS SUFFICIENT TO MAINTAIN ALL FENCING OUT OF DRIP LINE OR AS SHOWN BY ENGINEER (SET STAKES NO GREATER THAN 6 FEET ON CENTER-REBAR IS NOT TO BE USED FOR STAKES).
 - MAINTAIN FENCE BY REPAIRING AND/OR REPLACING DAMAGED FENCE. DO NOT REMOVE FENCING PRIOR TO LANDSCAPING OPERATIONS.
 - DO NOT STORE OR STACK MATERIALS, EQUIPMENT, OR VEHICLES WITHIN FENCED AREA.
 - FENCE SHALL BE ORANGE VINYL "SNOW FENCE" 4' HIGH MINIMUM.

8 DETAIL
SCALE: N.T.S.

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TEL: (770) 850-0949 FAX: (770) 850-0950

GEORGIA
No. PE040216
PROFESSIONAL ENGINEER
3/8/19
DAVID N. LAVERGNE

GSWCC LEVEL II
CERT. # 0000073529

MARK	DATE	DESCRIPTION
0	03/08/19	ISSUED FOR CONSTRUCTION

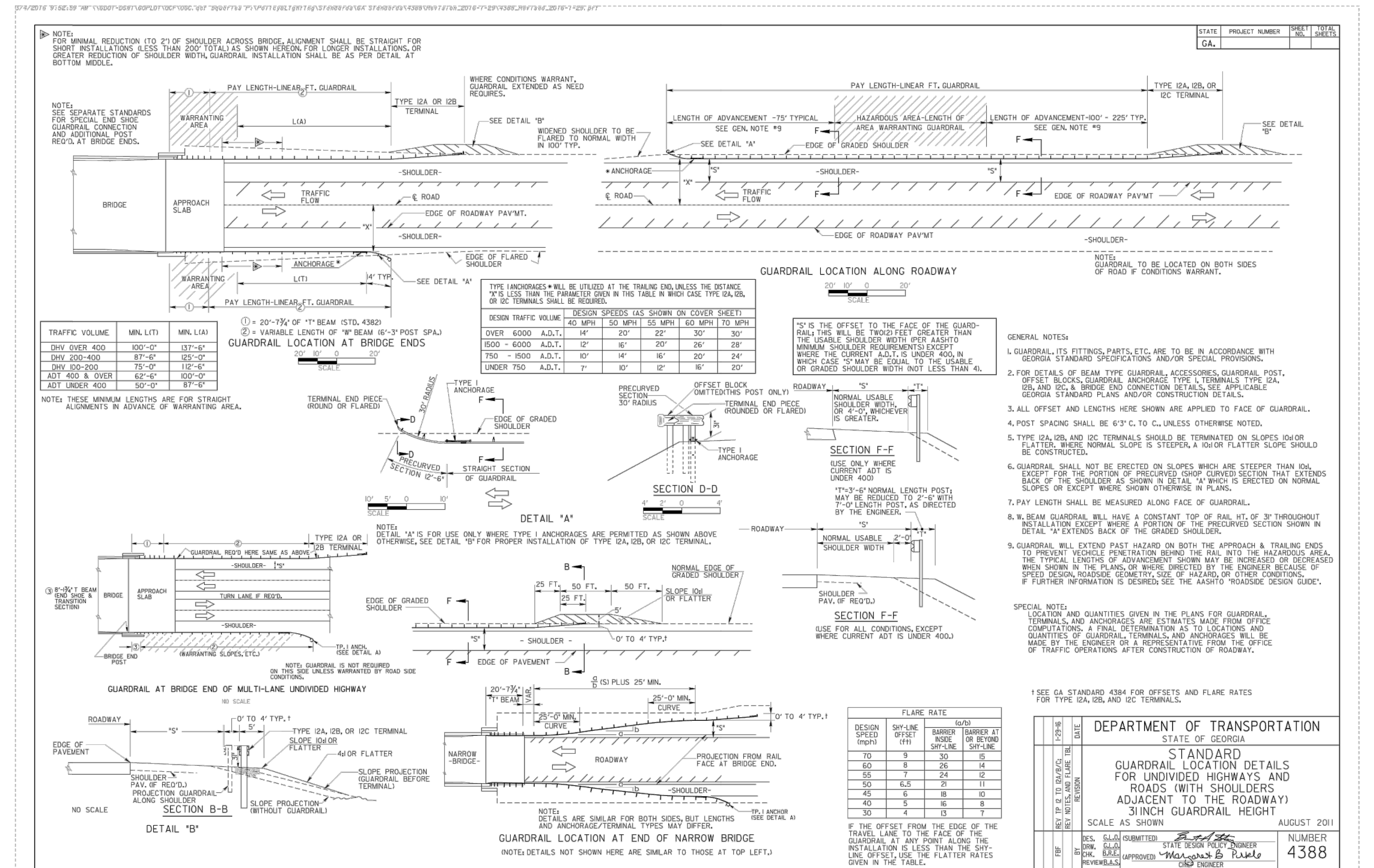
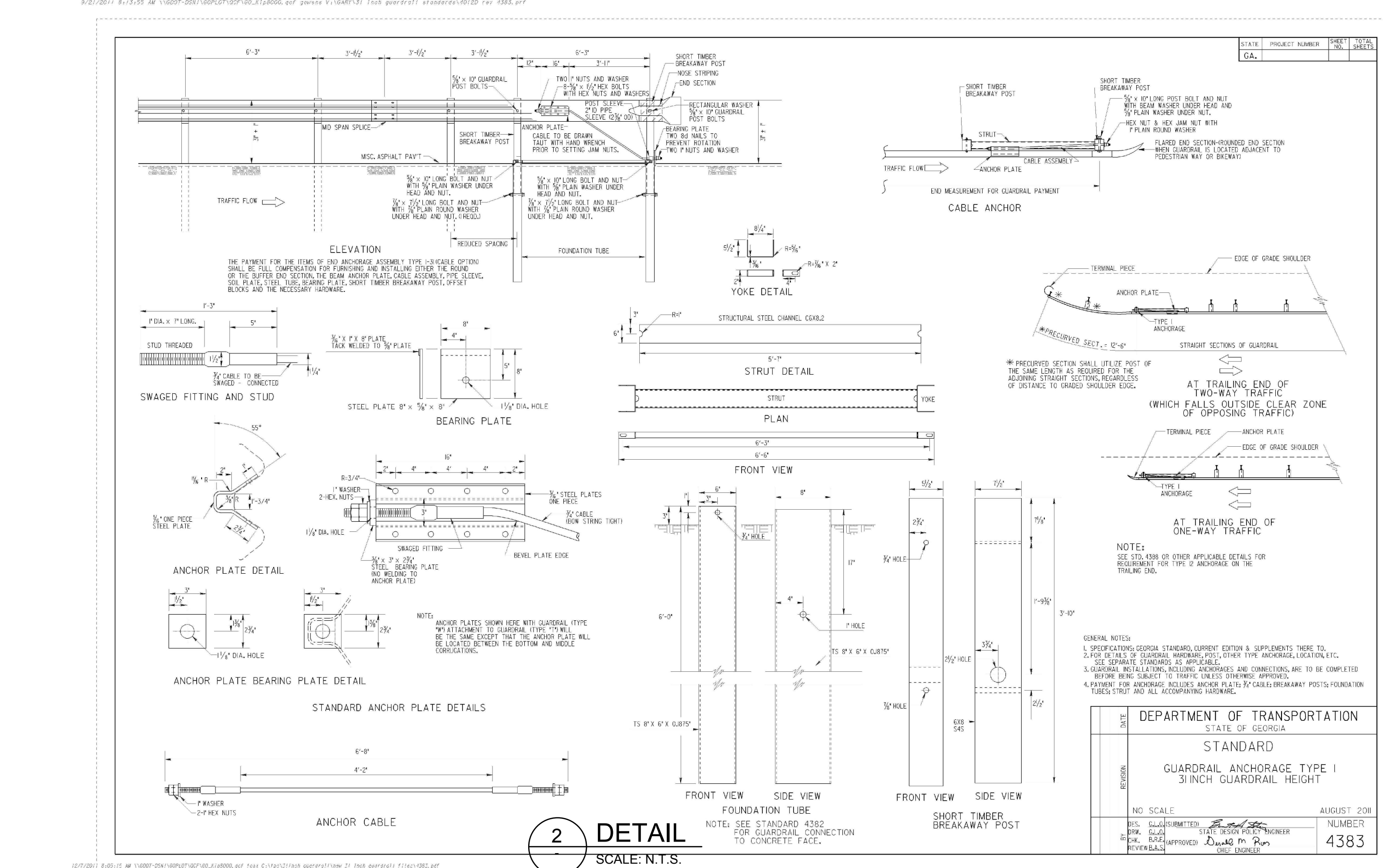
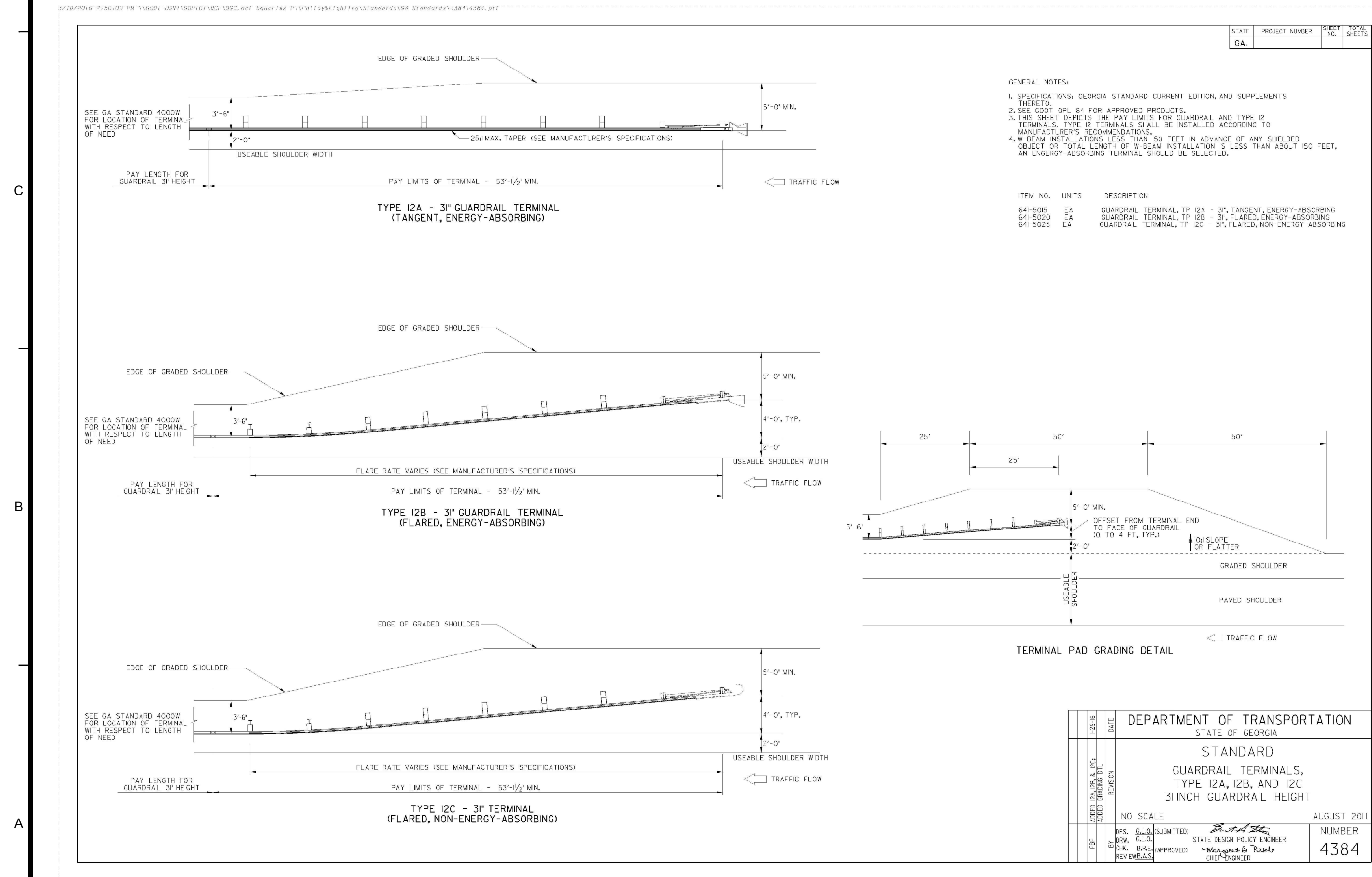
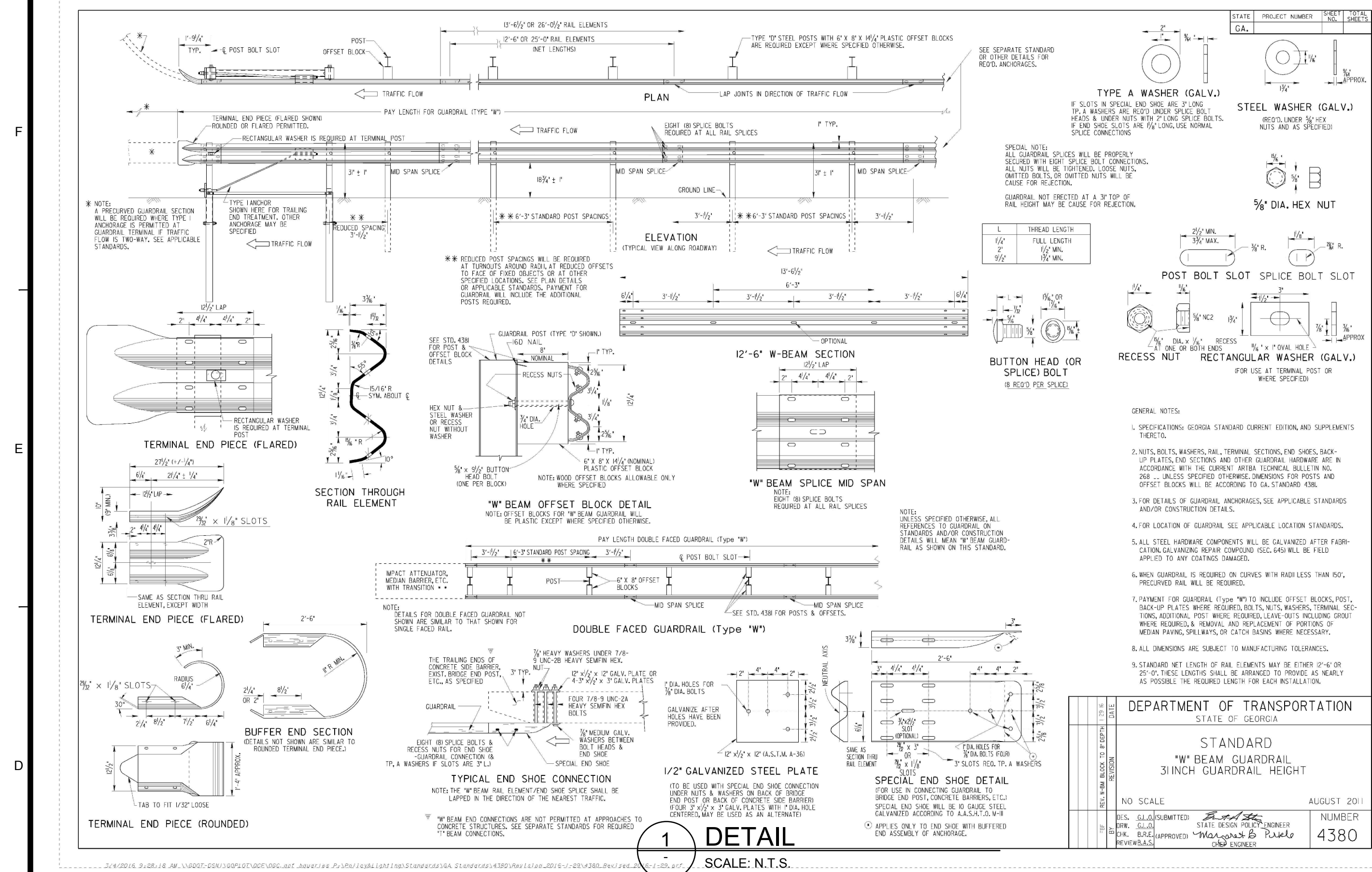
FAYETTE COUNTY
DOGWOOD TRAIL CULVERT REPLACEMENT
CONSTRUCTION DETAILS

Project No.: 200-01297-18005
Designed By: CG
Drawn By: HA
Checked By: DL

C-501

Copyright: Tetra Tech

Bar Measures 1 inch



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GEORGIA
Professional Engineer
No. PE040216
3/18/19
DAVID N. LAVERGNE

GSWCC LEVEL II
CERT. # 0000073529

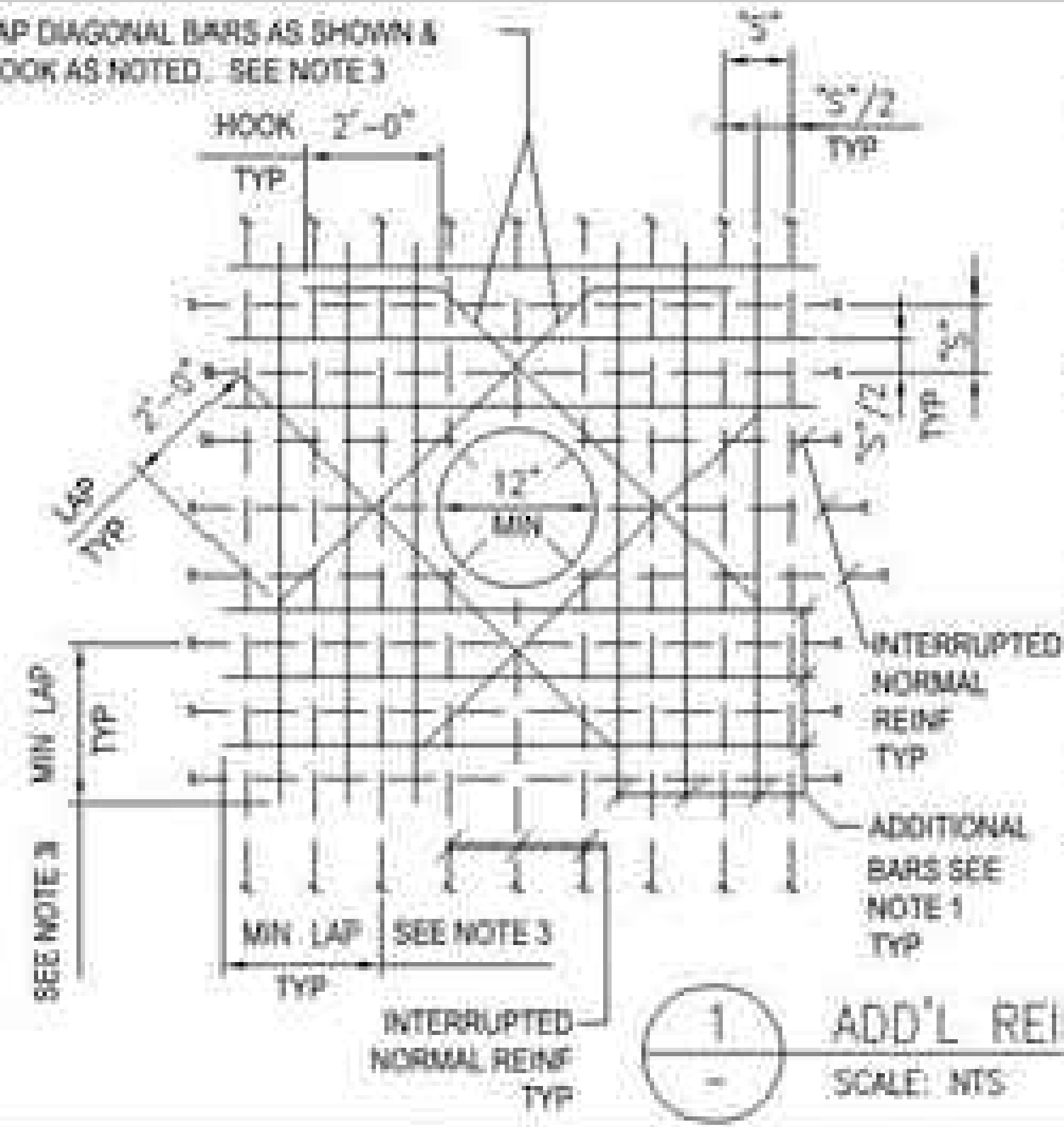
BY: HA
DATE: 03/08/19
DESCRIPTION: ISSUED FOR CONSTRUCTION
MARK: 0
FAYETTE COUNTY
DOGWOOD TRL CULVERT REPLACEMENT
CONSTRUCTION DETAILS

Project No.: 200-01297-18005
Designed By: CG
Drawn By: HA
Checked By: DL

C-502
Bar Measures 1 inch

3/8/2019 4:01:22 PM - C:\PROJECTS\ATLANTA\TAIER01297200-01297-18005\CAD\SHEETFILES\C-503 CONSTRUCTION DETAILS.DWG - ACKERMANN, HANNAH

LAP DIAGONAL BARS AS SHOWN & HOOK AS NOTED. SEE NOTE 3

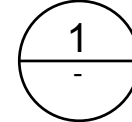


NOTES:

1. NUMBER OF ADD'L REINF BARS AT EA SIDE OF OPNG SHALL EQUAL HALF THE NUMBER OF INTERRUPTED BARS IN EACH LAYER OF REINF.
2. SIZE OF ADD'L REINF BARS TO EQUAL SIZE OF INTERRUPTED REINF BARS.
3. PROVIDE STD HOOKS FOR BARS IF LAP LENGTH EXTENSION CANNOT BE OBTAINED AT JOINTS OR OTHER OBSTRUCTIONS. PLACE ADDITIONAL BARS IN SAME PLANES AS INTERRUPTED REINF.
4. SIZE OF DIAGONAL BARS SHALL BE THE SIZE OF THE LARGEST NORMAL REINF BAR CUT, UN. LOCATE DIAGONALS IN EACH LAYER OF REINF.
5. PLACE DIAGONAL BARS INSIDE NORMAL REINF.
6. ALL REINF TO CLEAR OPNG OR FLANGE COLLARS BY 2'.



1 ADD'L REINF. BAR DETAILS 12" OR GREATER
SCALE: N.T.S.



1 DETAIL
SCALE: N.T.S.



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GSWCC LEVEL II
CERT. # 0000073529

MARK	DATE	DESCRIPTION	BY
0	03/08/19	ISSUED FOR CONSTRUCTION	HA

FAYETTE COUNTY
DOGWOOD TRL CULVERT REPLACEMENT
CONSTRUCTION DETAILS

Project No.: 200-01297-18005
Designed By: CG
Drawn By: HA
Checked By: DL

C-503

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Bar Measures 1 inch

**EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS**

SWCD: TOWALIGA

Project Name: DOGWOOD TRAIL CULVERT REPLACEMENT **Address:** 315 DOGWOOD TRAIL, FAYETTEVILLE, GA 30215
City/County: FAYETTEVILLE/FAYETTE **Date on Plans:** 03/08/19
Name & email of person filling out checklist: DAVID LAVERGNE, DAVID.LAVERGNE@TETRATECH.COM

Plan Included TO BE SHOWN ON ES&PC PLAN

- | | | |
|---------------|-------------------------------------|--|
| Page # | Y/N | |
| C-506 | <input checked="" type="checkbox"/> | 1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.
<i>(The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)</i> |
| ALL | <input type="checkbox"/> | 2 Level II certification number issued by the Commission, signature and seal of the certified design professional.
<i>(Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)</i> |
| C-506 | <input checked="" type="checkbox"/> | 3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls. |
| C-506 | <input checked="" type="checkbox"/> | 4 Provide the name, address, email address, and phone number of primary permittee. |
| G-002 | <input checked="" type="checkbox"/> | 5 Note total and disturbed acreage of the project or phase under construction. |
| G-002 | <input checked="" type="checkbox"/> | 6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees. |
| ALL | <input type="checkbox"/> | 7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions. |
| G-002 | <input checked="" type="checkbox"/> | 8 Description of the nature of construction activity. |
| G-000 | <input checked="" type="checkbox"/> | 9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary. |
| C-504 | <input checked="" type="checkbox"/> | 10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected. |
| C-504 | <input checked="" type="checkbox"/> | 11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 21 of the permit. |
| C-504 | <input checked="" type="checkbox"/> | 12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 20 of the permit.* |
| C-504 | <input checked="" type="checkbox"/> | 13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on Part IV.D.6.c.(3) page 37 of the permit as applicable.* |
| C-504 | <input checked="" type="checkbox"/> | 14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins within 7 days after installation." in accordance with Part IV.A.5 page 26 of the permit.* |
| C-504 | <input checked="" type="checkbox"/> | 15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits." |
| C-503 | <input checked="" type="checkbox"/> | 16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required. |
| C-504 | <input checked="" type="checkbox"/> | 17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional.**" |
| C-505 | <input checked="" type="checkbox"/> | 18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit.**" |
| C-504 | <input checked="" type="checkbox"/> | 19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities." |
| C-504 | <input checked="" type="checkbox"/> | 20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved |

- Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source.*
- | | | |
|-------|-------------------------------------|---|
| C-504 | <input checked="" type="checkbox"/> | 21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding." |
| NA | <input type="checkbox"/> | 22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biot Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.* |
| NA | <input type="checkbox"/> | 23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.* |
| NA | <input type="checkbox"/> | 24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.* |
| G-002 | <input checked="" type="checkbox"/> | 25 Provide BMPs for the remediation of all petroleum spills and leaks. |
| C-505 | <input checked="" type="checkbox"/> | 26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.* |
| C-504 | <input checked="" type="checkbox"/> | 27 Description of practices to provide cover for building materials and building products on site.* |
| C-106 | <input type="checkbox"/> | 28 Description of the practices that will be used to reduce the pollutants in storm water discharges.* |
| C-503 | <input checked="" type="checkbox"/> | 29 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization). |
| C-504 | <input checked="" type="checkbox"/> | 30 Provide complete requirements of inspections and record keeping by the primary permittee.* |
| C-505 | <input checked="" type="checkbox"/> | 31 Provide complete requirements of sampling frequency and reporting of sampling results.* |
| C-505 | <input checked="" type="checkbox"/> | 32 Provide complete details for retention of records as per Part IV.F. of the permit.* |
| C-504 | <input checked="" type="checkbox"/> | 33 Description of analytical methods to be used to collect and analyze the samples from each location.* |
| C-504 | <input checked="" type="checkbox"/> | 34 Appendix B rationale for NTU values at all outfall sampling points where applicable.* |
| C-504 | <input checked="" type="checkbox"/> | 35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable.* |
| C-106 | <input type="checkbox"/> | 36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase.* |
| C-503 | <input type="checkbox"/> | 37 Graphic scale and North arrow. |
| C-504 | <input checked="" type="checkbox"/> | 38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: |
- | | |
|-------------------|------------------------------------|
| Existing Contours | USGS 1":2000' Topographical Sheets |
| Proposed Contours | 1":400' Centerline Profile |

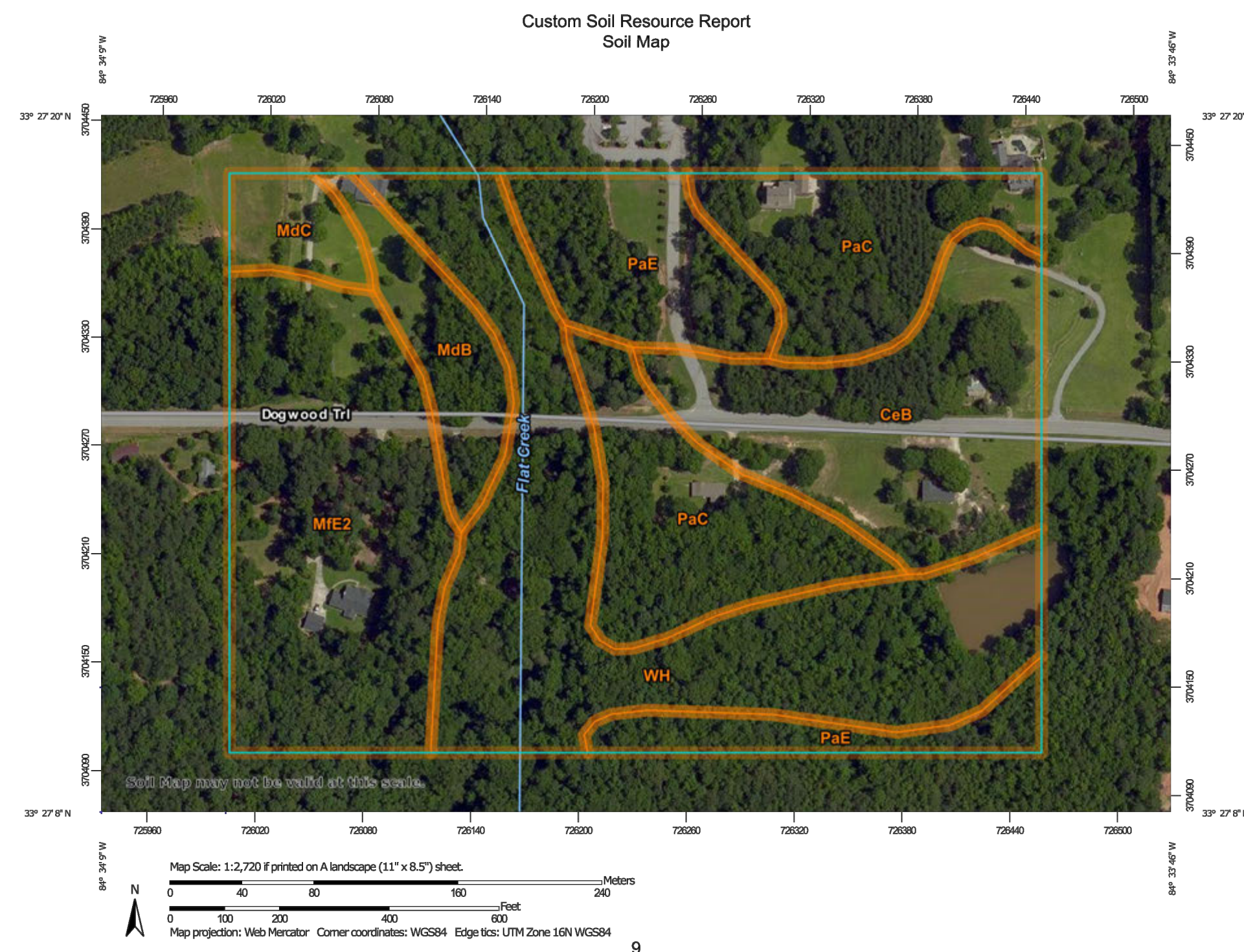
- | | | |
|-------|-------------------------------------|---|
| NA | <input type="checkbox"/> | 39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org. |
| NA | <input type="checkbox"/> | 40 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.* |
| C-101 | <input checked="" type="checkbox"/> | 41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact. |
| NA | <input type="checkbox"/> | 42 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site. |
| C-504 | <input checked="" type="checkbox"/> | 43 Delineation and acreage of contributing drainage basins on the project site. |
| C-504 | <input checked="" type="checkbox"/> | 44 Delineate on-site drainage and off-site watersheds using USGS 1":2000' topographical sheets. |
| C-503 | <input checked="" type="checkbox"/> | 45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed. |
| C-104 | <input checked="" type="checkbox"/> | 46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points. |
| C-506 | <input checked="" type="checkbox"/> | 47 Soil series for the project site and their delineation. |
| C-106 | <input checked="" type="checkbox"/> | 48 The limits of disturbance for each phase of construction. |
| C-503 | <input type="checkbox"/> | 49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan. |
| C-106 | <input checked="" type="checkbox"/> | 50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend. |
| C-501 | <input type="checkbox"/> | 51 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia. |
| C-503 | <input checked="" type="checkbox"/> | 52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia. |
- *If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items would be N/A.

Effective January 1, 2019

PRIMARY PERMITTEE TO BE PROVIDED AFTER PROJECT IS AWARDED.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acre in AOI	Percent of AOI
CeB	Cecil sandy loam, 2 to 6 percent slopes	5.7	15.9%
MdB	Madison sandy loam, 2 to 6 percent slopes	1.8	5.0%
MdC	Madison sandy loam, 6 to 10 percent slopes	1.0	2.7%
MIE2	Madison sandy clay loam, 10 to 25 percent slopes, eroded	7.3	20.3%
PaC	Pacolet sandy loam, 6 to 10 percent slopes	6.7	18.7%
PaE	Pacolet sandy loam, 10 to 25 percent slopes	4.1	11.3%
WH	Wehadkee soils, 0 to 2 percent slopes, frequently flooded	9.4	26.1%
Totals for Area of Interest		36.0	100.0%



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GSWCC LEVEL II
CERT. # 0000073529

MARK	DATE	DESCRIPTION
0	03/08/19	ISSUED FOR CONSTRUCTION

FAYETTE COUNTY
DOGWOOD TRL CULVERT REPLACEMENT
ESPC CHECKLIST

Project No.: 200-01297-18005
 Designed By: CG
 Drawn By: HA
 Checked By: DL

C-506