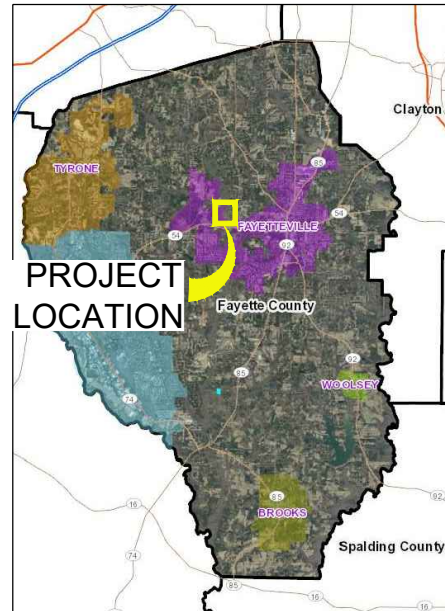


FAYETTE COUNTY LAKEVIEW LANE STORMWATER REPLACEMENT PROJECT #20SAA

JUNE 15, 2022



LOCATION MAP

SCALE: NTS

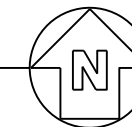


VICINITY MAP

SCALE: NTS

INDEX	
Sheet Number	Sheet Title
G-001	CIVIL COVER SHEET
V-101	STORM DRAIN EXISTING CONDITION
C-101	STORM DRAIN PROPOSED CONDITION

PROJECT DESCRIPTION:
THE PROJECT CONSISTS OF REMOVING THE EXISTING DETERIORATED SINGLE 48" CMP CULVERT CROSSING AND REPLACING WITH 40 LF OF SINGLE 48" PRECAST REINFORCED CONCRETE PIPE CULVERT ALL CONSTRUCTION MUST MEET GDOT STANDARD SPECIFICATIONS AND DETAILS.



FAYETTE COUNTY

PUBLIC WORKS DEPARTMENT
ENVIRONMENTAL MANAGEMENT
140 STONEWALL AVENUE WEST, SUITE #203
FAYETTEVILLE, GA 30214
PHONE: 770-305-5410

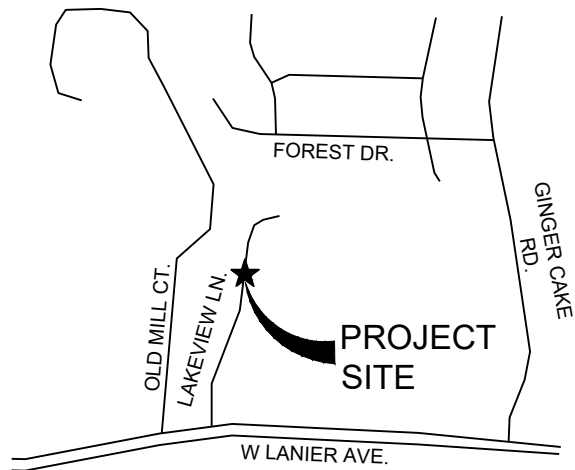
**CULVERT REPLACEMENT
PROJECT #20SAA**

150 LAKEVIEW LANE
LAND LOT 127, 5TH DISTRICT FAYETTE COUNTY, GA
COVER SHEET

DESCRIPTION:

DATE:
JUNE 15, 2022

DRAWING NO:
G-001



VICINITY MAP

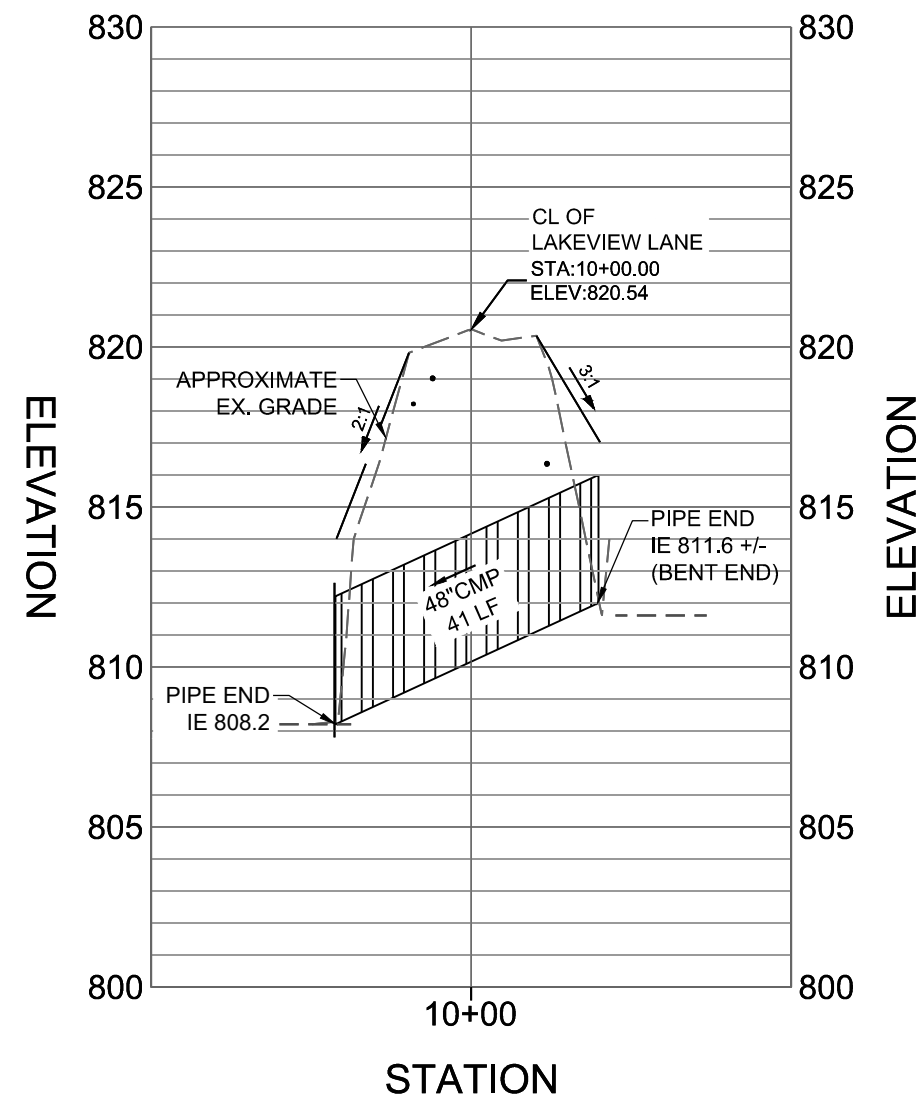
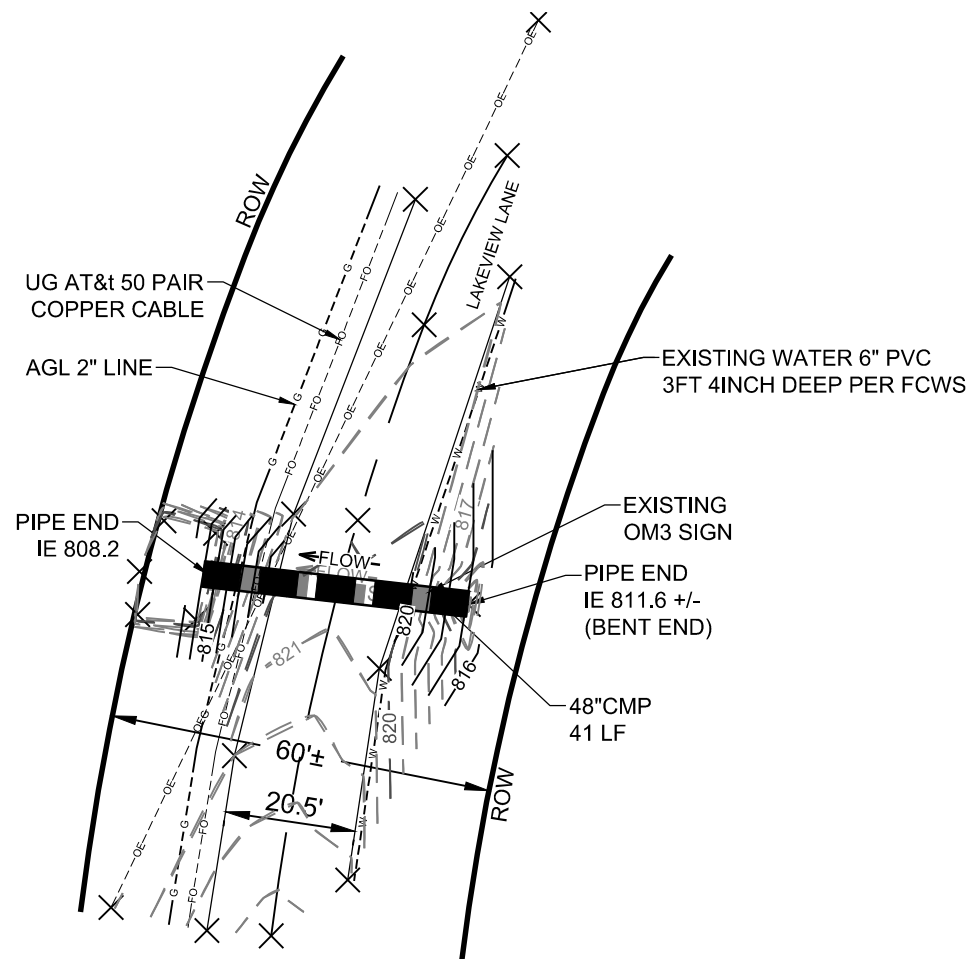
SCALE: NTS

GENERAL SHEET NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE MADE AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS; THE MUTCD; THE GEORGIA STANDARD SPECIFICATIONS, AND/OR SPECIAL PROVISIONS.
2. CONTRACTOR SHALL ESTABLISH TEMPORARY BENCHMARKS ON SITE AT LOCATIONS THAT WILL REMAIN UNDISTURBED THROUGHOUT CONSTRUCTION.
3. CONTRACTOR SHALL PREPARE A TEMPORARY TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY FAYETTE COUNTY PRIOR TO MOBILIZATION.
4. CONTRACTOR SHALL COORDINATE LANE CLOSURE WITH FAYETTE COUNTY. PROVIDE AT LEAST ONE 12-FOOT LANE FOR TRAFFIC AT ALL TIMES. ACCESS TO HOMES SHALL REMAIN DURING CONSTRUCTION AT ALL TIMES.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY DAMAGED ASPHALT/ROADWAY, DRIVEWAYS, FENCING, MAILBOXES, ETC. CAUSED BY OR DURING CONSTRUCTION WITHIN OR ADJACENT TO THE LIMITS OF CONSTRUCTION.
6. FAYETTE COUNTY WILL NOTIFY ALL UTILITY COMPANIES, OR OTHER PARTIES AFFECTED OF AWARD OF THE CONTRACT, GIVING THE NAME AND ADDRESS OF THE CONTRACTOR, AND WILL ASSIST THE CONTRACTOR IN ARRANGING FOR ALL NECESSARY PROTECTION, SUPPORT, AND/OR ADJUSTMENTS OF THE PUBLIC UTILITY FIXTURES WITHIN OR ADJACENT TO THE LIMITS OF CONSTRUCTION.
7. ALL BMPS SHALL BE INSTALLED, OPERATED, AND MAINTAINED ACCORDING TO THE GSWCC FIELD MANUAL, GEORGIA DIVISION OF WATER GUIDELINES, MANUFACTURER'S REQUIREMENTS, OR STANDARD INDUSTRY PRACTICE, AS APPROPRIATE.
8. CLEAR LIMITS OF CONSTRUCTION IN ENTIRETY. CONSTRUCTION TO REMAIN WITHIN EXISTING 60-FOOT RIGHT OF WAY.
9. CONTRACTOR SHALL FOLLOW ALL APPLICABLE OSHA STANDARDS FOR ALL EXCAVATIONS.



SCALE: 1" = 30'



Lakeview Lane PROFILE

HORZ. SCALE 1" = 30'

VERT. SCALE 1" = 6'



FAYETTE COUNTY

PUBLIC WORKS DEPARTMENT
 ENVIRONMENTAL MANAGEMENT
 140 STONEWALL AVENUE WEST, SUITE #203
 FAYETTEVILLE, GA 30214
 PHONE: 770-305-5410

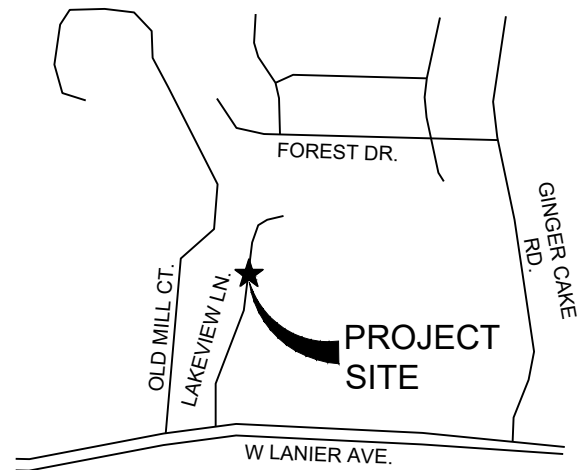
CULVERT REPLACEMENT PROJECT #20SAA

DESCRIPTION:

150 LAKEVIEW LANE
 LAND LOT 127, 5TH DISTRICT FAYETTE COUNTY, GA
 STORM DRAIN EXISTING CONDITIONS

DATE:
 JUNE 15, 2022

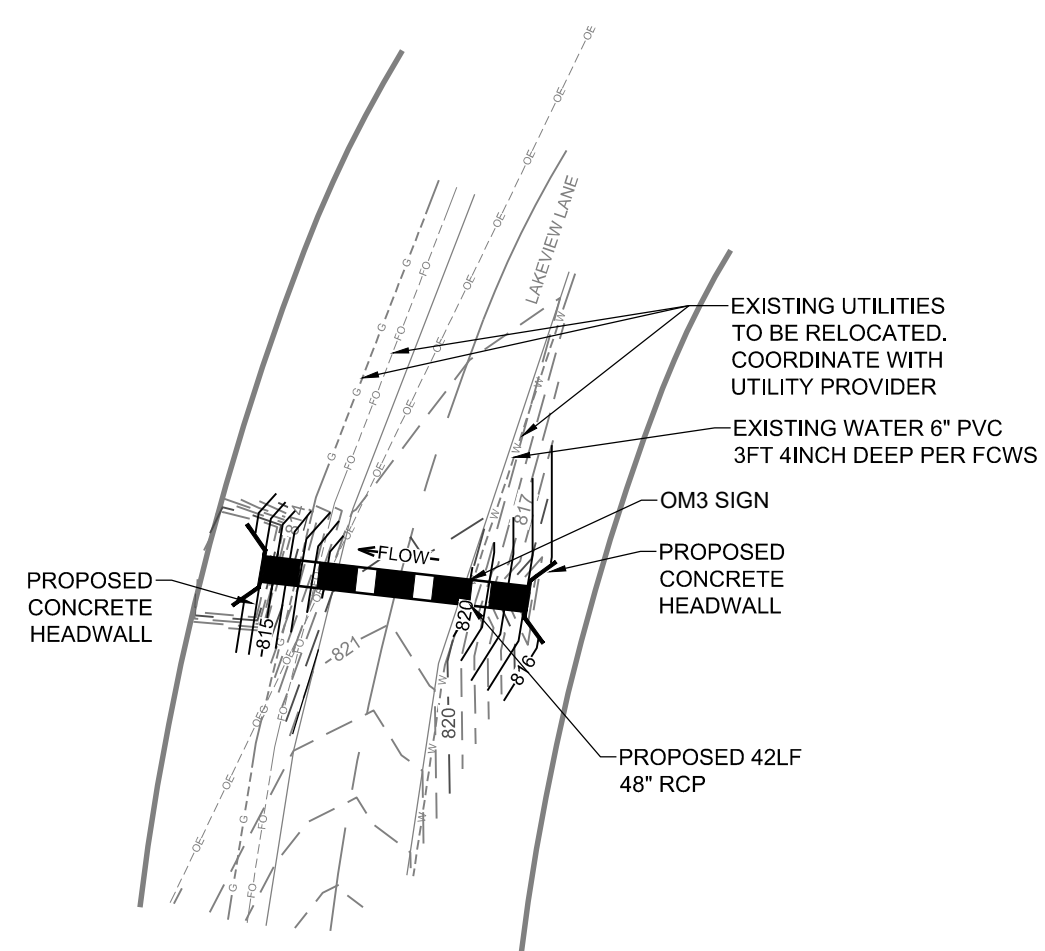
DRAWING NO:
V-101



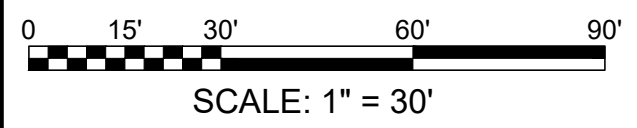
VICINITY MAP
SCALE: NTS

GENERAL SHEET NOTES

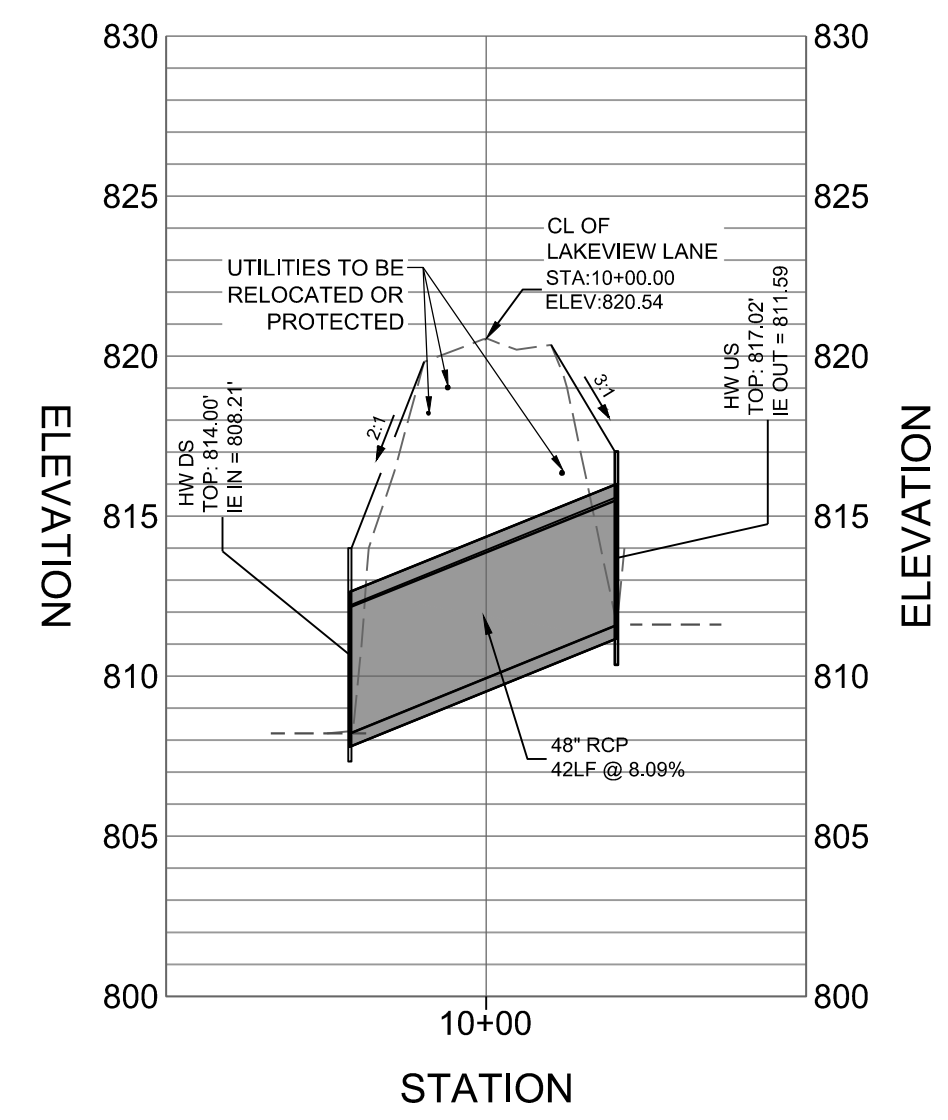
1. ALL TRAFFIC CONTROL DEVICES SHALL BE MADE AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS; THE MUTCD; THE GEORGIA STANDARD SPECIFICATIONS, AND/OR SPECIAL PROVISIONS.
2. CONTRACTOR SHALL COORDINATE LANE CLOSURE WITH FAYETTE COUNTY. PROVIDE AT LEAST ONE 12-FOOT LANE FOR TRAFFIC AT ALL TIMES. ACCESS TO HOMES SHALL REMAIN DURING CONSTRUCTION AT ALL TIMES.
3. CONTRACTOR SHALL FOLLOW ALL APPLICABLE OSHA STANDARDS FOR ALL EXCAVATIONS. TRENCHS 5-FEET DEEP OR GREATER REQUIRE A PROTECTIVE SYSTEM UNLESS EXCAVATION IS MADE ENTIRELY OF STABLE ROCK.
4. CONSTRUCTION TO REMAIN WITHIN EXISTING 60-FOOT RIGHT OF WAY.
5. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
6. PREPARE THE GROUND FOR SODDING DISTURBED AREAS. COMPACT SHOULDER AREAS ABOVE SUBGRADE ELEVATION TO A FIRM AND STABLE CONDITION AS DETERMINED BY FAYETTE COUNTY.
7. FURNISH AND INSTALL SOD ON ALL DISTURBED AREAS. WATER SOD TO PROMOTE SATISFACTORY GROWTH. ADDITIONAL WATERING WILL BE NEEDED IN THE ABSENSE OF RAINFALL AND DURING HOT SUMMER MONTHS.



8. RIP RAP TO BE PLACED ON STREAM BANK AS SHOWN ON DETAIL FOR SCOUR PROTECTION.
9. PROVIDE AS GENTLE SLOPES AS POSSIBLE. MAXIMUM SLOPE SHALL BE 2:1.
10. EXISTING ASPHALT TO BE SAWCUT AND REMOVED. SEE FAYETTE COUNTY TYPICAL ROAD CROSS SECTION FOR LOCAL ROAD REQUIREMENTS.



NOTE: BACKFILL WITH TYPE I OR TYPE II MATERIAL TO THE PROPER SUBGRADE ELEVATION. IT SHOULD BE ASSUMED THAT THE EXCAVATED MATERIAL IS NOT SUITABLE FOR RE-USE. DISPOSE OF SURPLUS AND UNSUITABLE MATERIALS AS DIRECTED BY THE ENGINEER. CONTRACTOR PRICING SHALL INCLUDE COST FOR MATERIAL AND INSTALLATION OF IMPORTED FILL.



Lakeview Lane PROFILE
HORZ. SCALE 1" = 30'
VERT. SCALE 1" = 6'



FAYETTE COUNTY
PUBLIC WORKS DEPARTMENT
ENVIRONMENTAL MANAGEMENT
140 STONEWALL AVENUE WEST, SUITE #203
FAYETTEVILLE, GA 30214
PHONE: 770-305-5410

**CULVERT REPLACEMENT
PROJECT #20SAA**

DESCRIPTION: **150 LAKEVIEW LANE
LAND LOT 127, 5TH DISTRICT FAYETTE COUNTY, GA
STORM DRAIN PROPOSED CONDITIONS**

DATE: JUNE 15, 2022
DRAWING NO: **C-101**

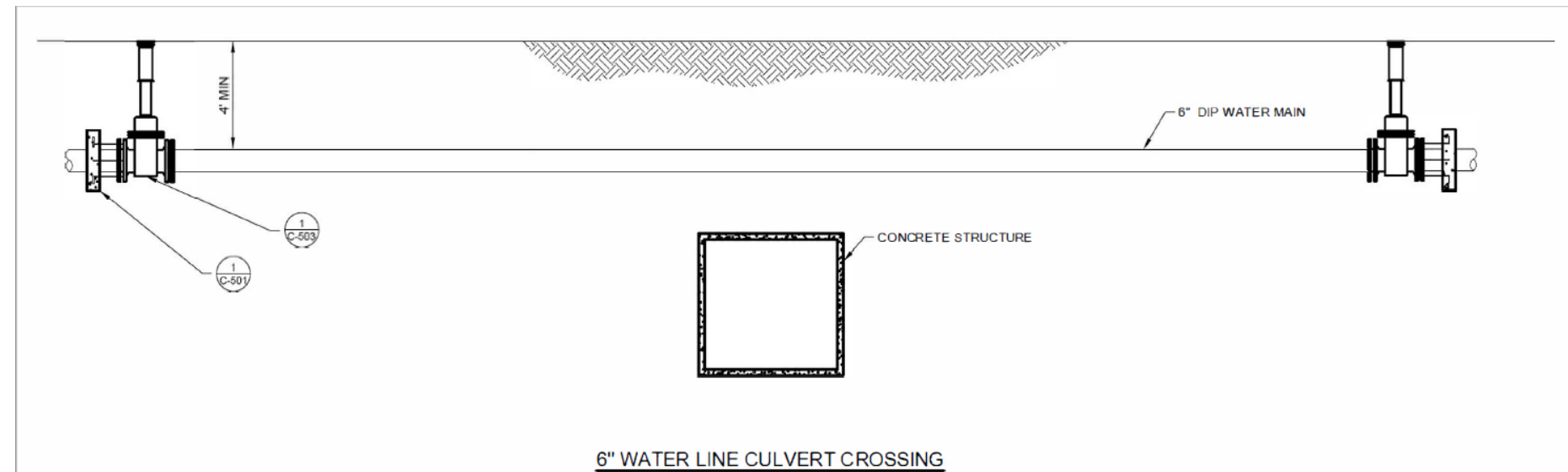
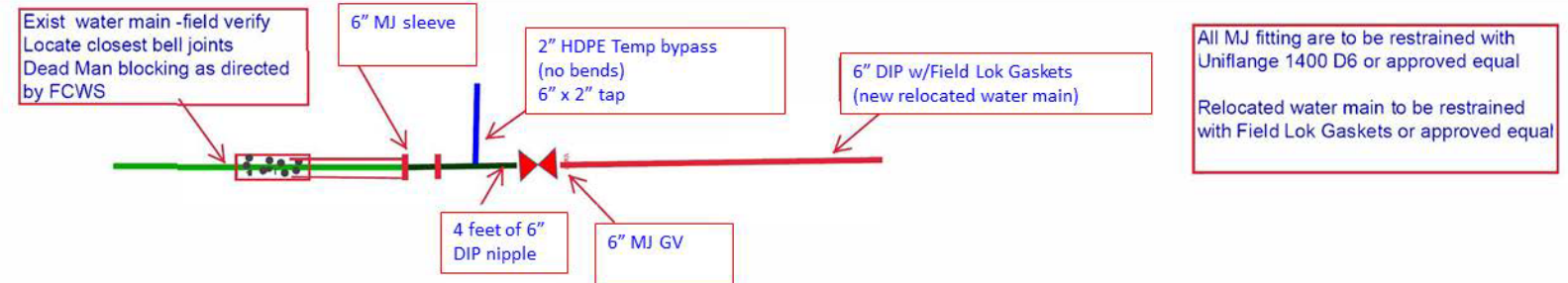
FAYETTE COUNTY WATER SYSTEM NOTES

1. ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH FAYETTE COUNTY WATER SYSTEM SPECIFICATIONS.
2. ALL MATERIALS SHALL CONFORM TO FAYETTE COUNTY DEVELOPMENT SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE FAYETTE COUNTY WATER SYSTEM SUBMITTALS ON ALL PIPE AND MATERIALS USED FOR APPROVAL. ANY WORK DONE BY THE CONTRACTOR SHALL BE AT HIS OWN RISK UNTIL REVIEW AND APPROVAL OF THESE SUBMITTALS ARE COMPLETE.
3. THE CONTRACTOR SHALL NOTIFY THE FAYETTE COUNTY WATER SYSTEM 48 HOURS PRIOR TO CONSTRUCTION TO SCHEDULE A PRE-CONSTRUCTION CONFERENCE.
4. THE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE FAYETTE COUNTY WATER SYSTEM BEFORE ANY WORK IS HIDDEN FROM VIEW.
5. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING ALL UTILITIES BEFORE CONSTRUCTION AND VERIFYING THE LOCATION OF ALL UTILITIES SHOWN OR NOT SHOWN.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY AND COORDINATE HIS WORK WITH EXISTING UTILITIES WHICH CONFLICT WITH HIS WORK. CONTRACTOR SHALL MAINTAIN SUCH UTILITIES SHOWN OR NOT SHOWN ON THIS PLAN.
7. ALL VALVE BOXES ARE TO HAVE COLLARS AND MARKERS AS REQUIRED BY THE FAYETTE COUNTY WATER SYSTEM DEPARTMENT.
8. WATER LINES SHALL HAVE A MINIMUM COVER OF 4 FEET FROM FINISHED GRADE.
9. MINIMUM HORIZONTAL DISTANCE BETWEEN WATER LINES AND SEWER SHALL BE 10 FEET AND VERTICAL DISTANCE MINIMUM OF 2 FEET.
10. ALL OTHER UNDERGROUND UTILITIES OR STRUCTURES SHALL BE A MINIMUM HORIZONTAL AND VERTICAL DISTANCE OF 2 FEET FROM WATER LINES.
11. WATER LINES SHALL BE LOCATED 7'-0" FROM THE BACK OF THE CURB OR PER AS APPROVED UTILITY PLACEMENT DETAIL.
12. ALL WATER SERVICES SHALL BE MARKED WITH A SAWED "W" NOTCH PAINTED BLUE ON THE CURB.
13. ALL WATER MAIN CROSSING UNDER PAVEMENT SHALL BE DIP IN STEEL CASING AS PER FAYETTE COUNTY WATER SYSTEM SPECIFICATIONS.
14. ALL VALVES AND FITTINGS ARE TO BE RESTRAINED WITH APPROPRIATE TYPE AND NUMBER OF EBBA IRON OR UNIFLANGE RESTRAINT SYSTEM APPURTENANCES APPROVED BY THE FAYETTE COUNTY WATER SYSTEM PRIOR TO CONSTRUCTION. ANY CONCRETE BLOCKING THAT IS ALLOWED SHALL BE INSTALLED TO UNDISTURBED EARTH.
15. ALL SERVICE LINES CROSSING UNDER PAVEMENT OR IN FRONT OF LOTS SHALL BE ENCASED IN 2" CONDUIT MATERIAL APPROVED BY FAYETTE COUNTY WATER SYSTEM.



(Typical each side)

- Field verify size, type and class of existing water main
- Connect to existing water main w/ 6" long pattern MJ solid sleeve
- Install 6' DIP nipple from 6" MJ solid sleeve
- Tap DIP nipple w/6" x 2" double strap iron saddle and 2" corp stop
- Install 6" MJ Gate valve and dead man blocking



FAYETTE COUNTY

PUBLIC WORKS DEPARTMENT
 ENVIRONMENTAL MANAGEMENT
 140 STONEWALL AVENUE WEST, SUITE #203
 FAYETTEVILLE, GA 30214
 PHONE: 770-305-5410

**CULVERT REPLACEMENT
 PROJECT #20SAA**

DESCRIPTION:

150 LAKEVIEW LANE
 LAND LOT 127, 5TH DISTRICT FAYETTE COUNTY, GA
 WATER SYSTEM NOTES AND DETAILS

DATE:
 JUNE 15, 2022

DRAWING NO:
C-501

X:\FY21\1210\2404\CAD_BIM\04.02\CAD\G-01.dwg

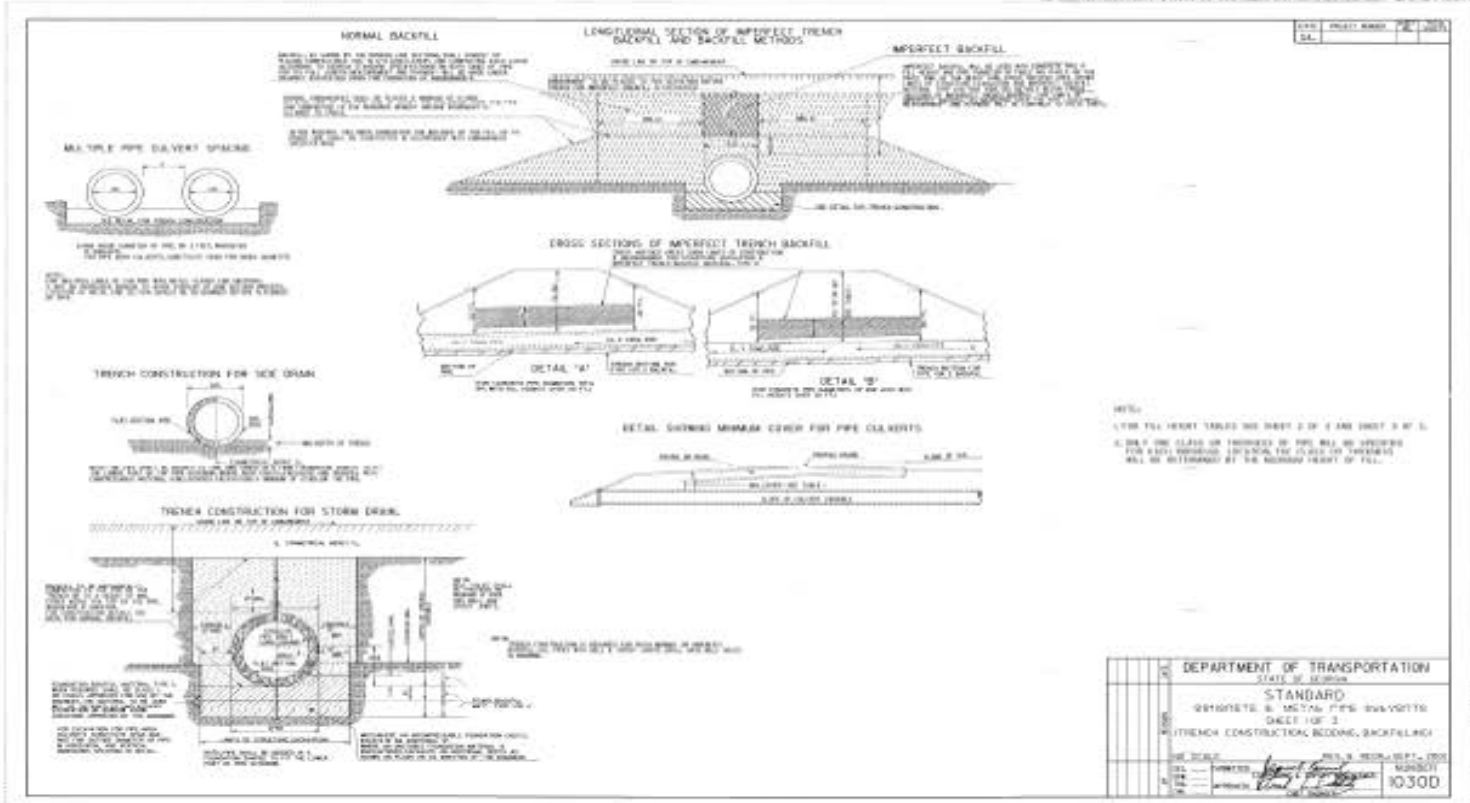
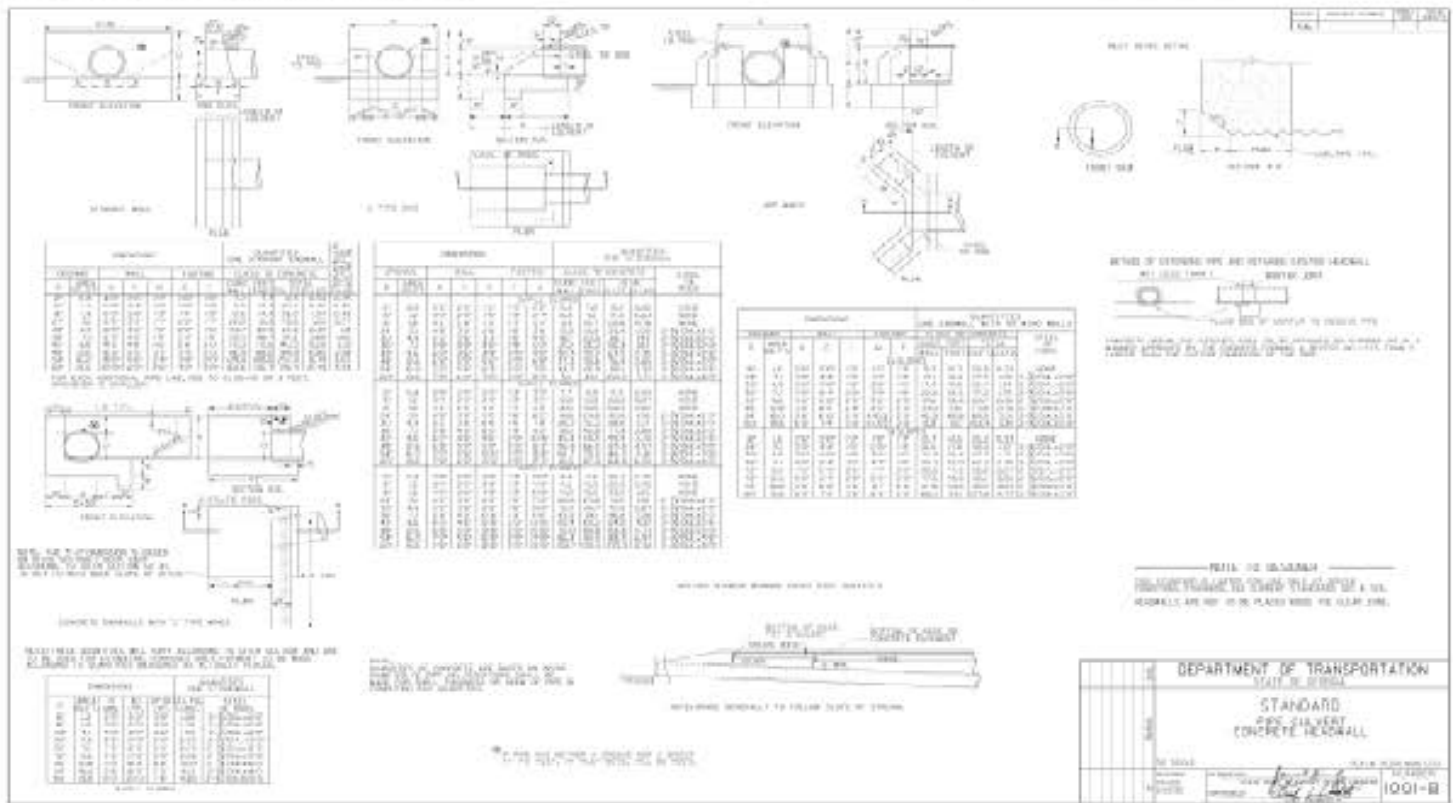


TABLE NO. 1 ROUND PIPE - CONCRETE - CORRUGATED STEEL - CORRUGATED ALUMINUM
MINIMUM CLASS OF CONCRETE OR METAL THICKNESS OF PIPE AND ALUMINUM

PIPE DIAMETER (INCHES)	MINIMUM CLASS OF CONCRETE	HEIGHT OF FILL TO TOP OF PIPE									
		1-1/2	2	3	4	5	6	7	8	9	10
12	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
15	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
18	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
21	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
24	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
27	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
30	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
33	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
36	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
39	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
42	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
45	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
48	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
51	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
54	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
57	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
60	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
63	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
66	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
69	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
72	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
75	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
78	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
81	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
84	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
87	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
90	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
93	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
96	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
99	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
102	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
105	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
108	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
111	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
114	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
117	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
120	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
STANDARD
CONCRETE & METAL PIPE CULVERTS
SHEET 2 OF 3

TABLE NO. 2 ROUND PIPE - CORRUGATED STEEL - CORRUGATED ALUMINUM
MINIMUM CLASS OF CONCRETE OR METAL THICKNESS OF PIPE AND ALUMINUM

PIPE DIAMETER (INCHES)	MINIMUM CLASS OF CONCRETE	HEIGHT OF FILL TO TOP OF PIPE									
		1-1/2	2	3	4	5	6	7	8	9	10
12	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
15	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
18	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
21	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
24	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
27	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
30	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
33	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
36	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
39	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
42	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
45	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
48	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
51	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
54	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
57	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
60	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
63	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
66	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
69	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
72	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
75	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
78	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
81	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
84	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
87	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
90	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
93	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
96	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
99	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
102	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
105	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
108	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
111	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
114	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
117	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
120	CONCRETE	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
STANDARD
CONCRETE & METAL PIPE CULVERTS
SHEET 3 OF 3

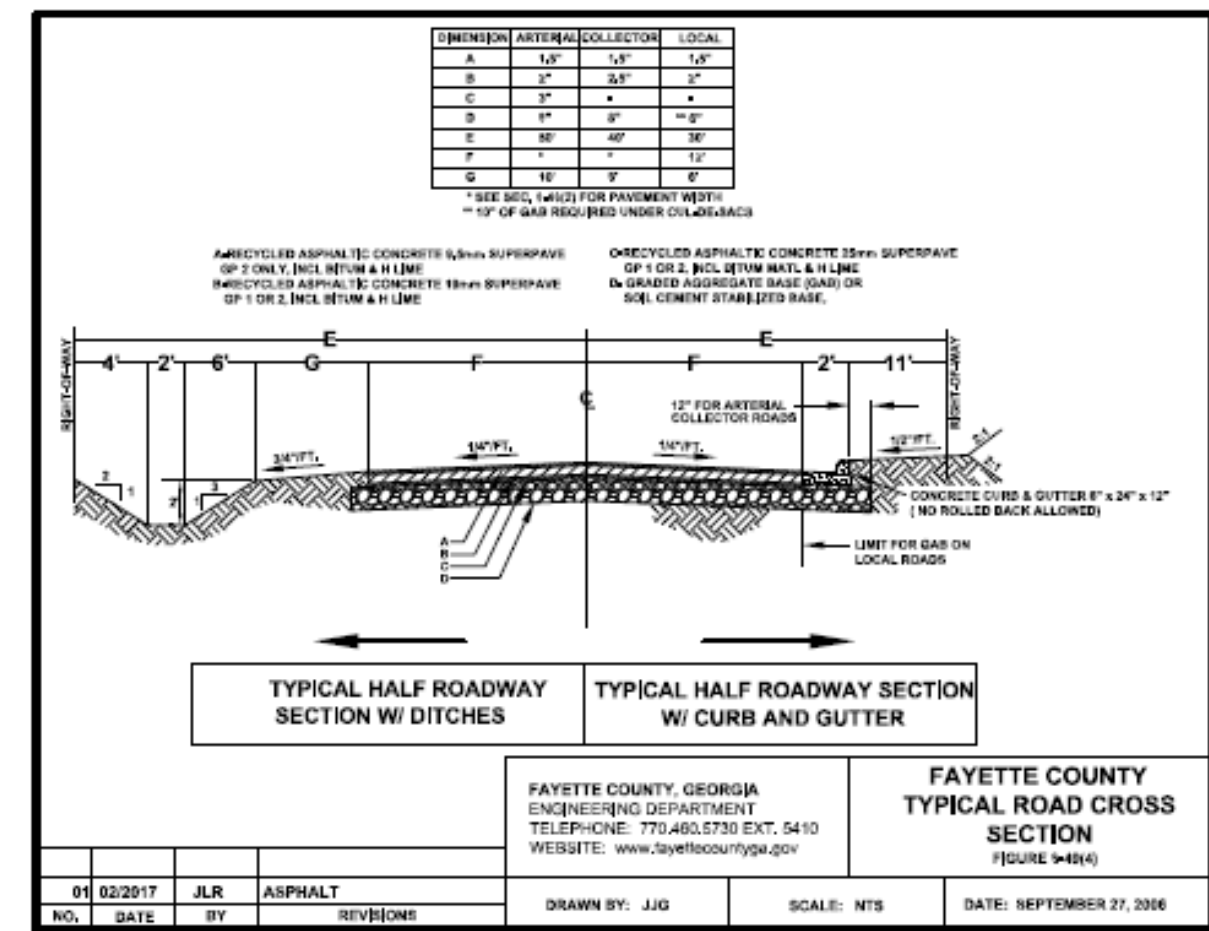
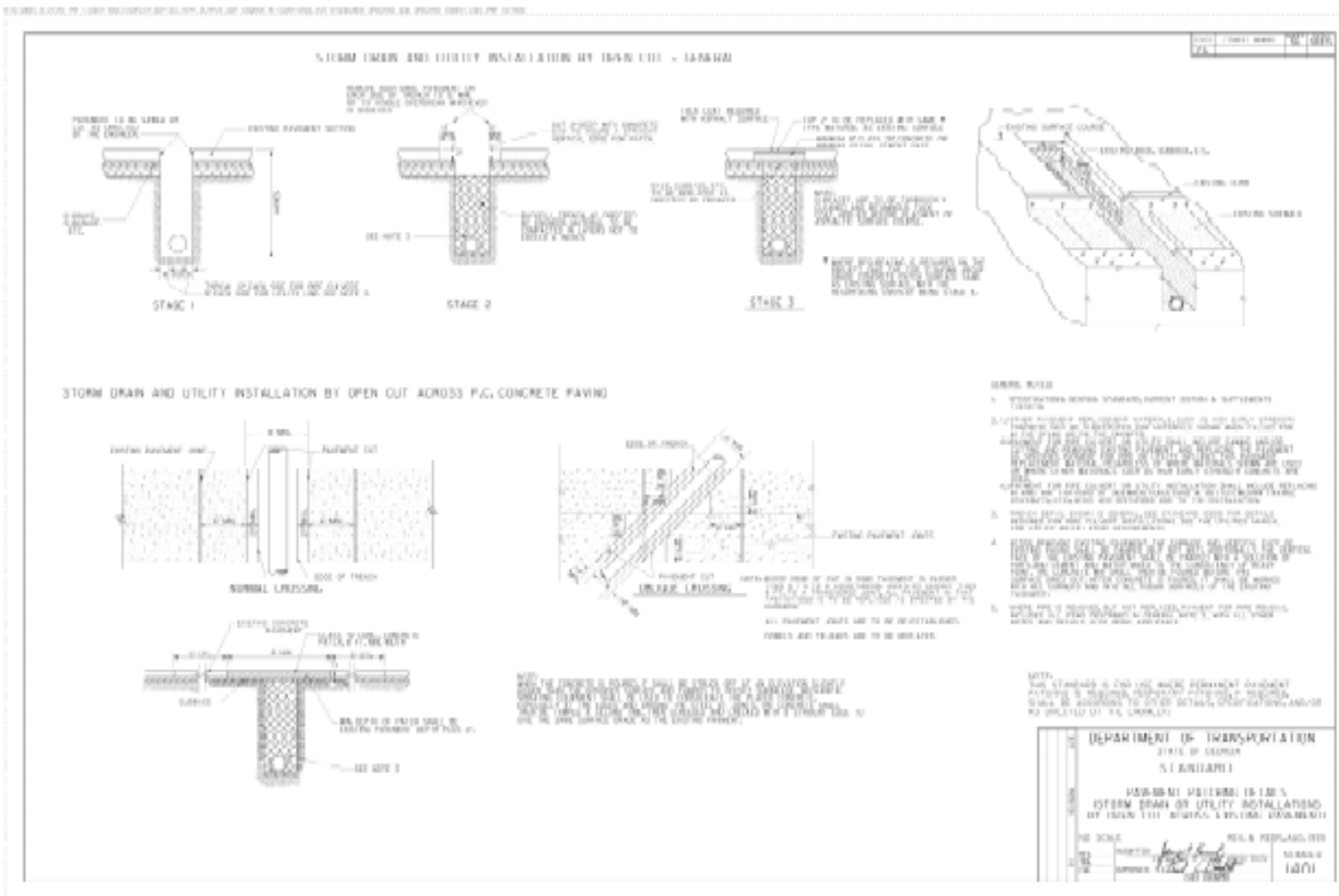
FAYETTE COUNTY
PUBLIC WORKS DEPARTMENT
ENVIRONMENTAL MANAGEMENT
140 STONEWALL AVENUE WEST, SUITE #203
FAYETTEVILLE, GA 30214
PHONE: 770-305-5410

DESCRIPTION:
CULVERT REPLACEMENT
PROJECT #20SAA
150 LAKEVIEW LANE
LAND LOT 127, 5TH DISTRICT FAYETTE COUNTY, GA
CONSTRUCTION DETAILS

DATE:
JUNE 15, 2022

DRAWING NO:
C-502

X:\FY21\121012400-CAD-BIM\04-02-CAD-C-001.dwg



FAYETTE COUNTY
PUBLIC WORKS DEPARTMENT
ENVIRONMENTAL MANAGEMENT
140 STONEWALL AVENUE WEST, SUITE #203
FAYETTEVILLE, GA 30214
PHONE: 770-305-5410

**CULVERT REPLACEMENT
PROJECT #20SAA**

DESCRIPTION: 150 LAKEVIEW LANE
LAND LOT 127, 5TH DISTRICT FAYETTE COUNTY, GA
CONSTRUCTION DETAILS

DATE: JUNE 15, 2022
DRAWING NO: **C-503**