



CLIENT INFORMATION

FAYETTE COUNTY
140 STONEWALL AVE W, STE 203
FAYETTEVILLE, GA. 30214

PROJECT NAME

**HERITAGE WAY
CULVERT
REPLACEMENT**

FAYETTE COUNTY, GA

DRAWING ISSUE

DATE
12/01/2022

DESCRIPTION
100% DESIGN PLANS

MARK

DESIGNED BY: MDW
DRAWN BY: MDW
CHECKED BY: DMM/MDM
SUBMITTED BY: DMM
DATE: SEPTEMBER 1, 2022
PROJECT # 1210490

SHEET TITLE

**CIVIL COVER
SHEET**

SHEET NUMBER

G-001

SHEET 1 OF 15
ORIGINAL SHEET SIZE:
22" X 34"

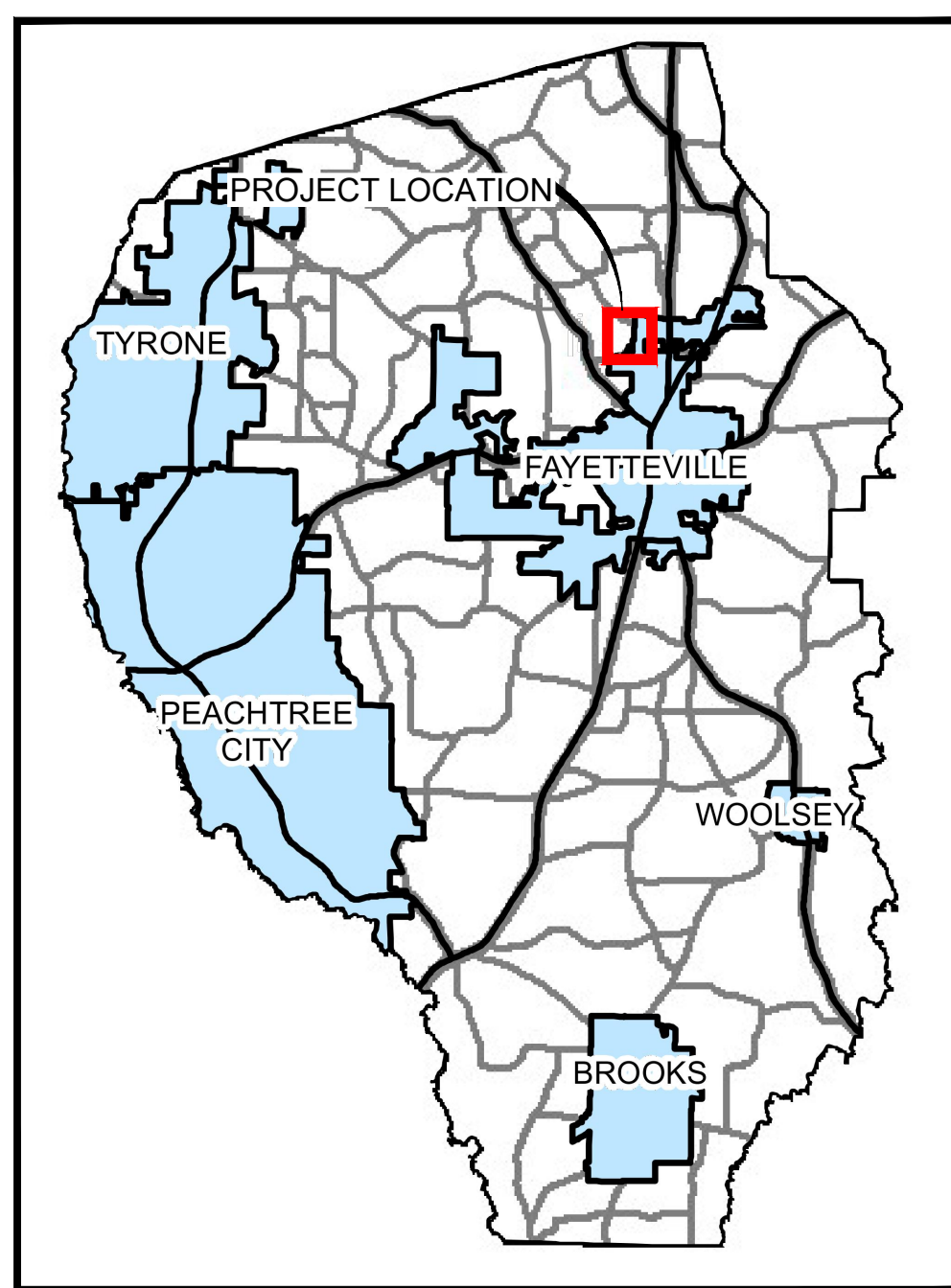
CIVIL CONSTRUCTION DOCUMENTS FOR FAYETTE COUNTY HERITAGE WAY - STORM DRAIN REPLACEMENT

LAND LOT 188, 5TH DISTRICT, FAYETTE COUNTY, GA.

December 1, 2022

100% DESIGN SUBMITTAL

COUNTY PROJECT NUMBER: 21SAK



CLIENT INFORMATION	
OWNER CONTACT (24-HR): PHIL MALLON PHONE (770) 313-9855 publicworks@FayetteCountyGA.GOV	CLIENT INFORMATION: FAYETTE COUNTY ENVIRONMENTAL MANAGEMENT 140 STONEWALL AVE. W., SUITE 203, FAYETTEVILLE, GA. 30214
CIVIL DESIGN TEAM	
PROJECT MANAGER: DAVID MORGAN, P.E. MorganD@pondco.com CIVIL ENGINEER: DAVID MORGAN, P.E.	POND AND COMPANY 3500 PARKWAY LANE SUITE 500 PEACHTREE CORNERS, GA 30092 PHONE (678) 336-7740 FAX (678) 336-7744 WEB: www.pondco.com

IT IS THE OWNER'S/DEVELOPER'S RESPONSIBILITY TO BE IN COMPLIANCE WITH APPLICABLE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND CLEAN WATER ACT REQUIREMENTS.

PROJECT DESCRIPTION:
THE PROJECT CONSISTS OF REMOVING THE EXISTING DETERIORATED 54-INCH AND 24-INCH DIAMETER CMP STORM DRAINS. THE STORM DRAINS ARE TO BE REPLACED WITH 96 LF OF 24-INCH RCP AND 32 LF OF 54-INCH RCP STORM DRAINS.

PROJECT INFORMATION:

DISTURBED AREA:
0.06 ACRES

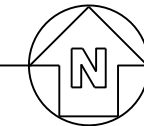
IMPERVIOUS SURFACE AREA:
0.01 ACRES

REFERENCE DATUM:
HORIZONTAL: NAD 1983 (2011) - STATE PLANE COORDINATE SYSTEM OF GEORGIA - WEST ZONE.
VERTICAL: NAVD 1988.

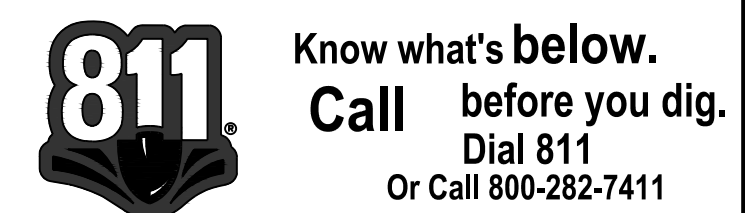
PROJECT SPECIFICATION:
THE CONTRACTOR SHALL REFER TO AND USE THE SUPPLIED COUNTY PROJECT SPECIFICATIONS. FOR OTHER APPLICABLE STANDARDS OR SPECIFICATIONS, CONTRACTOR TO USE THE CURRENT GDOT APPROVED STANDARD SPECIFICATION CONSTRUCTION OF TRANSPORTATION SYSTEM DOCUMENT FOR THIS PROJECT.

UTILITY NOTIFICATION/RELOCATION CHECKBOX				
UTILITY COMPANY	PLAN PHASE	CONTACT	DATE NOTIFIED	UTILITY RESPONSE
SOUTHERN COMPANY	35% DESIGN	MFLOYD@SOUTHERNCO.COM JADKINS@SOUTHERNCO.COM X2KSTEPH@SOUTHERNCO.COM	1/21/2022	NO RESPONSE
	65% DESIGN		5/2/2022	NO RESPONSE
	95% DESIGN		7/12/2022	GAS LAYOUT RECEIVED 9/19/2022
FAYETTE COUNTY WATER SYSTEM (FCWS)	35% DESIGN	BENJAMIN MARTIN (BMARTIN@FAYETTECOUNTYGA.GOV)	1/21/2022	NO RESPONSE
	65% DESIGN		5/2/2022	NO RESPONSE
	95% DESIGN		7/12/2022	NO RESPONSE
COMCAST	35% DESIGN	REGINALD ARNEY (REGINALD_ARNEY@COMCAST.COM)	1/21/2022	NO RESPONSE
	65% DESIGN		5/2/2022	NO RESPONSE
	95% DESIGN		7/12/2022	NO RESPONSE
COWETA-FAYETTE EMC	35% DESIGN	STEVE JONES (STJONES@UTILITY.ORG)	1/21/2022	NO RESPONSE
	65% DESIGN		5/2/2022	NO RESPONSE
	95% DESIGN		7/12/2022	NO RESPONSE
GEORGIA POWER	35% DESIGN	STEPHENS, KRIS <X2KSTEPH@southernco.com>	1/21/2022	NO RESPONSE
	65% DESIGN		5/2/2022	NO FACILITIES LETTER RECEIVED 5/11/2022
	95% DESIGN		NA	
AT&T	35% DESIGN	ANDRE WALTON (AW9750@ATT.COM)	1/21/2022	NO RESPONSE
	65% DESIGN		5/2/2022	NO RESPONSE
	95% DESIGN		7/12/2022	NO RESPONSE
ZAYO	100% DESIGN	KATE.PETERS@COBBFENDLEY.COM	9/9/2022	NO FACILITIES

VICINITY MAP
SCALE: NTS



CIVIL INDEX	
SHEET NUMBER	SHEET TITLE
G-001	CIVIL COVER SHEET
C-001	LEGEND AND ABBREVIATIONS
C-002	CIVIL GENERAL NOTES
V-001	TOPOGRAPHIC SURVEY
CD101	CIVIL SITE DEMOLITION PLAN
CG101	SITE AND GRADING PLAN - CONCEPT
CG201	STORM DRAIN PROFILE - CONCEPT
CE001	EROSION AND SEDIMENTATION CONTROL NOTES AND LEGEND
CE002	EROSION AND SEDIMENTATION CONTROL NOTES AND LEGEND
CE003	EROSION AND SEDIMENTATION CONTROL NOTES AND LEGEND
CE101	EROSION AND SEDIMENTATION CONTROL PLAN - INITIAL PHASE
CE201	EROSION AND SEDIMENTATION CONTROL PLAN - FINAL PHASE
CE501	EROSION CONTROL DETAILS
CE502	EROSION CONTROL DETAILS
C-501	CONSTRUCTION DETAILS



GENERAL NOTES

- 1. BENCHMARK FOR CONSTRUCTION HAS BEEN PROVIDED ON SHEET V-001.
- 2. ALL LABOR, MATERIALS, AND METHODS OF CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE MINIMUM ENGINEERING AND CONSTRUCTION STANDARDS ADOPTED BY GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS AND FAYETTE COUNTY STANDARDS. WHERE CONFLICTS OR OMISSIONS EXIST, FAYETTE COUNTY STANDARDS SHALL DICTATE. SUBSTITUTIONS AND DEVIATION FROM PLANS AND SPECIFICATIONS SHALL BE PERMITTED ONLY WHEN WRITTEN APPROVAL HAS BEEN ISSUED BY THE ENGINEER.
- 3. SHOP DRAWINGS OF ALL MATERIALS BEING USED SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
- 4. ALL MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS AND FAYETTE COUNTY DEVELOPMENT REGULATIONS, LATEST EDITION, UNLESS OTHERWISE WAIVED.
- 5. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND IN HAND BEFORE BEGINNING ANY CONSTRUCTION. NO CONSTRUCTION OR FABRICATION OF ANY ITEM SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED ALL PLANS AND ANY OTHER DOCUMENTATION FROM ALL OF THE PERMITTING AND ANY OTHER REGULATORY AUTHORITIES. ANY PENALTIES, STOP WORK ORDERS OR ADDITIONAL WORK RESULTING FROM THE CONTRACTOR BEING IN VIOLATION OF THE REQUIREMENTS ABOVE, SHALL BE FULLY BORNE BY THE CONTRACTOR.
- 6. THE LOCATION OF ALL EXISTING UTILITIES AND STORM DRAINAGE SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR INACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION OF THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING UNDERGROUND UTILITIES, WHETHER SHOWN ON THE PLAN OR LOCATED BY THE UTILITY COMPANY. ALL UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FIRST. ANY FEES ASSOCIATED WITH UTILITY RELOCATIONS SHALL BE BORNE IN ACCORDANCE WITH RESPECTIVE UTILITY COMPANY STANDARDS. IT IS REQUESTED UTILITY COMPANIES MOVE THEIR PARTICULAR UTILITIES, ANY DELAY OR INCONVENIENCE CAUSED TO THE CONTRACTOR BY THE RELOCATION OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED. DIAL 811 BEFORE DIGGING OR CALL 800-282-7411.
- 7. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING TO BE HELD BETWEEN FAYETTE COUNTY, UTILITIES, ENGINEER OF RECORD, CONTRACTOR AND ANY SUBCONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 8. THE SEQUENCE OF CONSTRUCTION SHALL BE SUCH THAT ALL UNDERGROUND INSTALLATIONS OF EVERY KIND, INCLUDING LANDSCAPE SPRINKLERS, SHALL BE PLACED BENEATH THE PAVEMENT AND ITS EDGES PRIOR TO THE CONSTRUCTION OF THE PAVEMENT. THE PAVEMENT SHALL NOT BE CUT WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- 9. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION AND AT LEAST 48 HOURS HOURS BEFORE REQUIRED INSPECTION ON EACH AND EVERY PHASE OF WORK. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 48 HOURS NOTICE PRIOR TO ANY SCHEDULED TESTING. NO PRESSURE TESTING, OR FINAL TESTING WILL BE ACCEPTED UNLESS WITNESSED BY THE ENGINEER'S REPRESENTATIVE. THE CONTRACTOR IS REQUIRED TO NOTIFY 48 HOURS TO FAYETTE COUNTY FOR PROOF ROLL, OF GAB PLACEMENT.
- 10. ALL CONTRACTORS, FAYETTE COUNTY REPRESENTATIVES, AND UTILITY COMPANIES ARE RESPONSIBLE FOR THEIR RESPECTIVE SURVEYING AND LAYOUT FROM BENCHMARK PROVIDED ON CONSTRUCTION PLANS. ANY SURVEY MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE REPLACED UPON COMPLETION OF THE WORK BY A REGISTERED LAND SURVEYOR.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING ANY CONSTRUCTION ACTIVITIES FROM TAKING PLACE OUTSIDE OF THE LIMITS OF CONSTRUCTION SHOWN ON THE PLANS. ANY ON-SITE OR OFFSITE AREAS DISTURBED SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER.
- 12. THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF CONSTRUCTION PLANS AND ALL PERMITS ON THE JOB SITE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE TWO (2) SETS OF RECORD DRAWINGS TO THE ENGINEER OF RECORD WITHIN TWO (2) WEEKS AFTER CONSTRUCTION HAS BEEN COMPLETED ON EACH PHASE.
- 13. TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS WAS TAKEN FROM SURVEY PROVIDED BY: GEOSURVEY, LTD., DATED: 10-18-2021.
- 14. ANY CONSTRUCTION BEYOND THE RIGHT-OF-WAY AND/OR ESTABLISHED EASEMENT LINES, ONTO ADJACENT PROPERTY, REQUIRES ADJACENT PROPERTY OWNER PERMISSION AND NECESSARY EASEMENTS PRIOR TO PERFORMING ANY WORK. THE CONTRACTOR IS TO VERIFY SUCH EASEMENTS AND PERMISSIONS PRIOR TO DISTURBING ANY OFF-SITE PROPERTY.
- 15. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE EXISTING SITE CONDITIONS OF SOIL PRIOR TO N.T.P. CONSTRUCTION TO DETERMINE IF ANY OFF SITE MATERIALS WILL NEED TO BE IMPORTED TO ACHIEVE THE GRADES SPECIFIED ON THE PLANS.
- 16. CLEAR AREAS INDICATED SHALL BE COMPLETELY CLEAR OF ALL TIMBER, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH, AND ALL OTHER DEBRIS AND OBSTRUCTIONS RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE GROUND.
- 17. PRIOR TO BID PREPARATION, THE CONTRACTOR MUST BECOME FAMILIAR WITH THE OVERALL SITE CONDITIONS AND PERFORM ADDITIONAL INVESTIGATIONS AS DETERMINED NECESSARY TO UNDERSTAND THE LIMIT AND DEPTH OF EXPECTED ORGANIC SILT PEAT AREAS, PRESENCE OF ROCK, ADEQUACY OF EXISTING MATERIALS AS FILL, DEWATERING REQUIREMENTS, CLEAN FILL REQUIRED FROM OFFSITE, AND MATERIALS TO BE DISPOSED OF OFFSITE, ALL OF WHICH WILL AFFECT THE PRICING. ANY DELAY, INCONVENIENCE, OR EXPENSE CAUSED TO THE CONTRACTOR DUE TO INADEQUATE INVESTIGATION OF EXISTING CONDITIONS SHALL BE INCIDENTAL TO THE CONTRACT, AND NO EXTRA COMPENSATION WILL BE ALLOWED. THE MATERIALS ANTICIPATED TO BE ENCOUNTERED DURING CONSTRUCTION MAY REQUIRE DRYING PRIOR TO USE AS BACKFILL, AND THE CONTRACTOR MAY HAVE TO IMPORT MATERIALS, AT NO EXTRA COST, FROM OFFSITE TO MEET THE REQUIREMENTS FOR COMPACTION AND PROPER FILL.
- 18. NEITHER OWNER NOR ENGINEER ASSUMES ANY RESPONSIBILITY FOR ERRORS OR MISINTERPRETATIONS RESULTING FROM USE OF INCOMPLETE SETS OF BIDDING DOCUMENTS.

DEMOLITION NOTES

- 1. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS AND LICENSES FOR PERFORMING THE DEMOLITION WORK AND SHALL FURNISH A COPY OF THESE ITEMS TO THE ENGINEER PRIOR TO COMMENCING THE WORK. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE PERMITS.
- 2. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OR LOCAL AUTHORITIES FURNISHING GAS, WATER, ELECTRICAL, TELEPHONE, OR SEWER SERVICE SO THEY CAN REMOVE, RELOCATE, DISCONNECT, CAP OR PLUG THEIR EQUIPMENT IN ORDER TO FACILITATE DEMOLITION. DIAL 811 BEFORE DIGGING OR CALL 800-282-7411.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL TREES, STRUCTURES, AND UTILITIES NOT MARKED FOR REMOVAL OR DEMOLITION AND SHALL PROMPTLY REPAIR ANY DAMAGE AS DIRECTED BY THE ENGINEER AT NO COST TO THE OWNER.
- 4. THE CONTRACTOR SHALL REMOVE PAVING MARKED FOR DEMOLITION WHICH INCLUDES ALL ASPHALT, CONCRETE, BASE, AND RETAINING WALLS (INCLUDING THE FOOTERS).
- 5. THE CONTRACTOR SHALL REMOVE TREES MARKED FOR REMOVAL WHICH INCLUDES THE ROOTS ASSOCIATED WITH THE TREE. TREES NOT MARKED FOR REMOVAL SHALL BE PROTECTED IN ACCORDANCE WITH THE FAYETTE COUNTY REGULATIONS.
- 6. THE CONTRACTOR SHALL REMOVE UNSALVAGEABLE MATERIALS AND YARD WASTE FROM THE SITE IMMEDIATELY AND DISPOSE OF IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS
- 7. THE CONTRACTOR SHALL SAW-CUT A SMOOTH STRAIGHT EDGE ON ANY PAVEMENT PROPOSED FOR DEMOLITION PRIOR TO ITS REMOVAL. PRIOR TO CONNECTING PROPOSED PAVEMENT TO EXISTING PAVEMENT, THE CONTRACTOR SHALL ENSURE THAT THE EDGE OF THE EXISTING PAVEMENT IS STRAIGHT AND UNIFORM.
- 8. CONTRACTOR TO FOLLOW ALL APPLICABLE OSHA STANDARDS FOR ALL EXCAVATIONS.

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.

ESPC NOTES

- 1. 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.
- 2. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- 3. ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED WITH FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.
- 4. SEDIMENT STORAGE MAINTENANCE INDICATORS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, INDICATING THE 1/3 FULL VOLUME.
- 5. INSPECT AND DOCUMENT THE CONDITION OF RUNOFF CONTROLS EVERY 7 DAYS, OR EVERY 14 DAYS AND WITHIN 24 HOURS AFTER EACH RAIN OF 0.5 INCH OR MORE.
- 6. PERMITEE SHALL SUBMIT A SIGNED NOTICE OF TERMINATION (NOT) FORM TO THE GEORGIA DIVISION OF WATER AFTER THE SITE HAS BEEN FINALLY STABILIZED.
- 7. 67 CY/AC SEDIMENT STORAGE SUBSTANTIALLY HANDLED BY SILT FENCE. THE LINEAR NATURE OF THIS PROJECT COUPLED WITH LIMITED WORK AREA (ESPECIALLY ADJACENT TO STATE WATER) DOES NOT PROVIDE OPPORTUNITY FOR INSTALLATION OF PERMANENT BMPS TO PREVENT POLLUTANTS FROM DISCHARGING THE SITE WITHOUT FURTHER ENCROACHMENT INTO ADJACENT PRIVATE PROPERTY. DURING CONSTRUCTION, SILT FENCE WILL BE USED TO PREVENT POLLUTANTS FROM DISCHARGING THE SITE. AFTER CONSTRUCTION IS COMPLETE ALL AREAS WILL BE STABILIZED.
- 8. SOIL STOCKPILES MUST BE LOCATED AWAY FROM STREAMS, PONDS, SWALES AND CATCH BASINS. STOCKPILES MUST BE SEEDED, MULCHED, AND ADEQUATELY CONTAINED THROUGH THE USE OF SILT FENCE.
- 9. SEDIMENT-LADEN WATER ENCOUNTERED DURING TRENCHING, BORING, OR OTHER EXCAVATION ACTIVITIES MUST BE PUMPED TO A SEDIMENT TRAPPING OR FILTERING DEVICE AND CLEANED BEFORE BEING DISCHARGED. DISCHARGES TO STORM DRAINS, DITCHES, OR WATER BODIES MUST BE COVERED UNDER A EPD PERMIT.
- 10. ALL BARE SOIL AREAS NOT SUBJECT TO ACTIVE CLEARING, EXCAVATION, GRADING, OR FILL ACTIVITIES MUST BE STABILIZED WITH TEMPORARY OR PERMANENT SEEDING OR MULCHING WITHIN 14 DAYS.
- 11. GOOD HOUSEKEEPING PRACTICES MUST BE APPLIED TO PREVENT CONTAMINATED RUNOFF OR OTHER IMPACTS FROM PAINT OR CONCRETE WASTES, FUELS AND OILS, TRASH AND LITTER, OR OTHER MATERIALS.
- 12. SILT FENCES, DITCH CHECKS, NON-PERMANENT SEDIMENT TRAPS, AND OTHER TEMPORARY CONTROLS MUST BE REMOVED AFTER VEGETATION IN UPGRADE AREAS IS ESTABLISHED AND DITCHES ARE STABLE.
- 13. GOOD HOUSEKEEPING MEASURES FOR MATERIALS STORAGE AND HANDLING, VEHICLE FUELING AND MAINTENANCE, SPILL RESPONSE AND CLEANUP, AND WASTE MANAGEMENT MUST BE FOLLOWED TO ENSURE THAT RUNOFF FROM THE SITE IS FREE OF CONTAMINANTS.
- 14. ALL BMPS SELECTED SHALL BE INSTALLED, OPERATED, AND MAINTAINED ACCORDING TO GSWCC FIELD MANUAL, GEORGIA DIVISION OF WATER GUIDELINES, MANUFACTURER'S REQUIREMENTS, OR STANDARD INDUSTRY PRACTICE, AS APPROPRIATE.
- 15. APPROVED PLANS AND NPDES DAILY LOG MUST BE ONSITE AT ALL TIMES.

EARTHWORK, GRADING, STABILIZATION, PAVING AND DRAINAGE NOTES

- 1. COMPACT ALL UTILITY TRENCHES WITHIN ROADWAYS TO 98% OF THE MODIFIED PROCTOR MAXIMUM DENSITY (AASHTO T - 180) AND TO 95% WITHIN OTHER AREAS.
- 2. ALL ORGANIC SOILS AS DETERMINED WITHIN UTILITY TRENCHES SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL AND COMPACTED TO NO LESS THAN 98% OF THE MODIFIED PROCTOR MAXIMUM DENSITY (AASHTO T - 180).
- 3. STABILIZED SUBGRADE TO MEET SPECIFIED REQUIREMENTS.
- 4. ASPHALTIC CONCRETE TO GDOT STANDARD SPECIFICATION (LATEST EDITION) SECTION 916.1 AND FAYETTE COUNTY, WHICHEVER IS GREATER.
- 5. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.
- 6. ALL CONCRETE FLUMES, WALKS, AND CURBS SHALL BE CONSTRUCTED WITH 3000 PSI CONCRETE.
- 7. ALL ON-SITE AREAS DISTURBED BY THE CONSTRUCTION SHALL BE STABILIZED USING MEASURES THAT MATCH THE EXISTING VEGETATIVE CONDITIONS OF THE SITE. CONTRACTOR IS RESPONSIBLE FOR IRRIGATION OF PERMANENT GRASSING.
- 8. THE REINFORCED CONCRETE PIPE SHALL BE CLASS III WITH WALL THICKNESS "B" CONFORMING TO ASTM C - 76 OR AWWA 302 -74 AND GASKETS SHALL BE IN ACCORDANCE WITH ASTM C - 443 OR ASTM D - 412.
- 9. ALL PIPE CALL OUTS ARE MEASURED CENTER LINE TO CENTER LINE FOR MANHOLES AND INLETS AND FROM THE END OF THE PIPE FOR MITERED END SECTIONS.
- 10. ALL DEWATERING COSTS ASSOCIATED WITH THE INSTALLATION AND CONSTRUCTION OF THE UNDERGROUND UTILITIES; STORM WATER PIPES AND MANHOLES; SANITARY SEWER MAINS, FORCE MAINS, MANHOLES, AND LIFT STATIONS, AND STORM WATER MANAGEMENT SYSTEMS SHALL BE INCLUDED AS PART OF THE CONSTRUCTION BID COSTS. THE CONTRACTOR SHALL SUBMIT FOR WATER USE PERMITS IF REQUIRED FOR DEWATERING ACTIVITIES.
- 11. ALL PIPES SHALL HAVE 3 FEET MINIMUM COVER UNLESS OTHERWISE SPECIFIED IN PLANS, CONTRACTOR SHALL TAKE CARE TO PROVIDE PROPER GRADE ELEVATIONS AND ALIGNMENTS.
- 12. THE CONTRACTOR MUST INSTALL AND MAINTAIN GRASS OR SOD ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETED FINAL GRADES, AS NOTED ON PLANS, AND AT ANY OTHER TIME AS NECESSARY TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES TO ANY DOWNSTREAM WATER BODY, WETLAND, OR OFF-SITE PROPERTY. SODDING ON SLOPES 3:1 AND STEEPER SHALL BE STAKED.
- 13. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO CONTROL TURBIDITY AND SEDIMENT INCLUDING, BUT NOT LIMITED TO, THE INSTALLATION OF TURBIDITY BARRIERS AND SILT FENCES AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY AND SEDIMENT BARRIERS MUST BE MAINTAINED AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVING THE BARRIERS.
- 14. EXISTING RUNOFF CURVE NUMBER FOR THE PROJECT: 68. PROPOSED RUNOFF CURVE NUMBER FOR THE PROJECT: 68.
- 15. ALL CONCRETE STRUCTURES SHOWN ARE PRE-CAST FROM AN APPROVED VENDOR. CAST-IN-PLACE METHODS MAY BE USED FOR STRUCTURE COMPONENTS WHERE APPLICABLE FOR APPROVAL.

OTHER UTILITY INFORMATION

- 1. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES WHICH MAY HAVE THEIR UTILITIES WITHIN THE CONSTRUCTION AREAS TO LOCATE THEIR FACILITIES IN THE FIELD FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING CONSTRUCTION. DIAL 811 BEFORE DIGGING OR CALL 800-282-7411.
- 2. DUCTILE IRON PIPE SHALL BE ENCASED IN POLYETHYLENE TWENTY-FIVE (25) FEET ON EACH SIDE OF ANY PERPENDICULAR CROSSING OF METALLIC GAS MAINS OR ANY OTHER CATHODICALLY PROTECTED PIPELINE AND FOR LOCATIONS PARALLEL TO AND WITHIN TEN FEET OF METALLIC GAS MAINS OR OTHER CATHODICALLY PROTECTED PIPE AND THROUGH THE AREA OF INFLUENCE OF CATHODIC PROTECTION ANODE BED.

SPILL CONTROL NOTES:

- 1. IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS NOTES OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:
 - a. MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
 - b. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
 - c. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF SIZE.
 - d. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
 - e. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR.
- 2. PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATERS, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

TRAFFIC CONTROL NOTES

- 1. THE CONTRACTOR SHALL SUBMIT A TEMPORARY TRAFFIC CONTROL PLAN TO THE COUNTY FOR APPROVAL PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- 2. ALL REQUIRED TRAFFIC SIGNAGE MUST MEET MUTCD STANDARDS.
- 3. ALL REQUIRED TRAFFIC STRIPING MUST MEET MUTCD AND GDOT PLAN SPECIFICATIONS AND MUST BE THERMO-PLASTIC.
- 4. ALL STRIPING LAYOUTS MUST BE APPROVED BY THE COUNTY TRAFFIC ENGINEER PRIOR TO FINAL APPLICATION.
- 5. CONTRACTOR TO COORDINATE LANE CLOSURES WITH FAYETTE COUNTY AND ENGINEER. PROVIDE AT LEAST ONE 12 FOOT LANE FOR TRAFFIC AT ALL TIMES.

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 Suite 500
 Peachtree Corners
 Georgia 30092
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GEORGIA SEAL
 REGISTERED PROFESSIONAL CIVIL ENGINEER
 No. 27428
 DAVID M. MORCIN
 12/2/2022
 CLIENT INFORMATION

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

PROJECT NAME
**HERITAGE WAY
 CULVERT
 REPLACEMENT**

FAYETTE COUNTY, GA

DRAWING ISSUE

DATE	DESCRIPTION	MARK
12/01/2022	100% DESIGN PLANS	

DESIGNED BY: MDW
 DRAWN BY: MDW
 CHECKED BY: DMM/MDM
 SUBMITTED BY: DMM
 DATE: SEPTEMBER 1, 2022
 PROJECT # 1210490

SHEET TITLE

**CIVIL GENERAL
 NOTES**

SHEET NUMBER

C-002

SHEET 3 OF 15

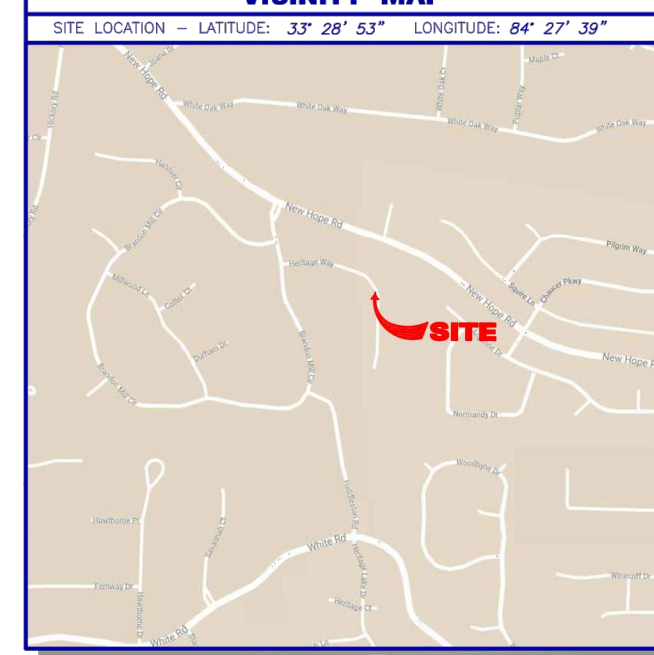
ORIGINAL SHEET SIZE:
 22" X 34"

SITE PHOTOGRAPHS



① ② ③ ④ ⑤ ⑥

VICINITY MAP
SITE LOCATION - LATITUDE: 33° 28' 53" LONGITUDE: 84° 27' 39"



GENERAL NOTES

THIS SURVEY HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF THE PERSON OR ENTITIES NAMED HEREON. NO EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE INFORMATION SHOWN HEREON IS TO BE EXTENDED TO ANY PERSONS OR ENTITIES OTHER THAN THOSE SHOWN HEREON.

REVISIONS LISTED ON THIS SURVEY APPLY ONLY TO THE SPECIFIC CHANGES REFERENCED, AND DO NOT CONSTITUTE AN UPDATE OF OTHER DATA ON THIS SURVEY. THE "SURVEY DATE" SHOWN HEREON IS THE APPLICABLE DATE, AS RELATED TO PROVISIONS OF STATUTES OF LIMITATION UNLESS SPECIFICALLY NOTED OTHERWISE.

THIS SURVEY HAS BEEN PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE INSPECTION REPORT. EASEMENTS OR OTHER ENCUMBRANCES MAY EXIST ON PUBLIC RECORDS BUT NOT BE SHOWN HEREON.

THIS PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA BASED ON THE FLOOD INSURANCE RATE MAP FOR THIS AREA. THE MAP NUMBER FOR THIS AREA IS 131100000E AND THE DATE OF SAID MAP IS SEPTEMBER 26, 2008. THIS DETERMINATION WAS MADE BY GRAPHICALLY DETERMINING THE POSITION OF THIS SITE ON SAID FIRM MAPS UNLESS OTHERWISE NOTED.

THE DATUM FOR THIS SITE WAS ESTABLISHED UTILIZING GLOBAL POSITIONING SYSTEMS, AND BASED ON POSITIONAL VALUES FOR THE VERTICAL REFERENCE STATION NETWORK DEVELOPED BY AGPS SOLUTIONS. THE HORIZONTAL REFERENCE FRAME IS NORTH AMERICAN DATUM OF 1983 (NAD83)-STATE PLANE COORDINATE SYSTEM OF GEORGIA-WEST ZONE. THE VERTICAL REFERENCE FRAME IS NORTH AMERICAN VERTICAL DATUM OF 1988. ANY DIRECTIONS OR DIMENSIONS SHOWN ARE A RECTANGULAR, GROUND LEVEL PROJECTION OF THE STATE PLANE COORDINATE SYSTEM.

ZONING AND SETBACKS SHOULD BE CONFIRMED AND VERIFIED BY PLANNING AND ZONING PRIOR TO DESIGN OR CONSTRUCTION ACTIVITIES.

RIGHT-OF-WAY LINES SHOWN ON THIS SURVEY THAT ARE NOT ACTUAL BOUNDARIES OF THE SUBJECT TRACT(S) ARE DEPICTED GRAPHICALLY AND ARE SHOWN APPROXIMATELY FOR INFORMATIONAL PURPOSES ONLY. SAID RIGHT-OF-WAY LINES SHOULD NOT BE UTILIZED FOR DESIGN PURPOSES.

SURVEY REFERENCES

1> FINAL SUBDIVISION PLAT FOR UNIT SIX, BRANDON MILL, DATED OCTOBER 14, 1985 AS PREPARED BY BOYD, HYER & ASSOCIATES AND RECORDED IN PLAT BOOK 16, PAGE 14.

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CS JOB NO.	20217151	DRAWING SCALE:	SURVEY DATE:
FIELD WORK:	SA <td>STATE:</td> <td>GA </td>	STATE:	GA
PROJ MGR:	CAJ <td>COUNTY:</td> <td>FAYETTE </td>	COUNTY:	FAYETTE
REVIEWED:	BC <td>LAND LOT:</td> <td>188 </td>	LAND LOT:	188
DWG FILE:	20217151.dwg	DISTRICT:	5TH

UTILITY NOTE

THE UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON LOCATION OF MARKINGS PROVIDED BY:

SUBSURFACE UTILITY INVESTIGATIONS, LLC
 898 SWEET BRIAR TRAIL
 CONYERS, GEORGIA 30084
 (770) 557-4142

SUBSURFACE UTILITY INVESTIGATIONS, LLC UTILIZED SEVERAL TECHNIQUES INCLUDING, BUT NOT LIMITED TO, ELECTROMAGNETIC MAGNETIC LOCATION FOR FERROUS METALS, ACROSTIC AND PASSIVE FREQUENCIES TO GEOMATE AND MARK BURIED UTILITIES ON THE SURFACE WITH PAINT AND FLAGS COVERING THE ENTIRE AREA OF THE PROJECT.

THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. UNDERGROUND UTILITIES NOT OBSERVED OR LOCATED UTILIZING THIS TECHNIQUE MAY EXIST ON THIS SITE BUT NOT BE SHOWN, AND MAY BE FOUND UPON EXCAVATION. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

INFORMATION REGARDING MATERIAL AND SIZE OF UTILITIES IS BASED ON RECORDS ACQUIRED FROM THE UTILITY OWNERS.

LEGEND

STANDARD ABBREVIATIONS	STANDARD SYMBOLS
AC AIR CONDITIONER	⊕ OVERHEAD TRAFFIC SIGNAL LIGHT
BH BORE HOLE	⊖ POWER POLE
BL BUILDING SETBACK LINE	— GUY WIRE
C CURB INLET	— POWER LINE

POND
 3500 Parkway Lane
 Suite 500
 Peachtree Corners
 Georgia 30092
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FOR/AOR SEAL

 CLIENT INFORMATION

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

PROJECT NAME
**HERITAGE WAY
 CULVERT
 REPLACEMENT**
 FAYETTE COUNTY, GA

DRAWING ISSUE

DATE	DESCRIPTION	MARK
12/01/2022	100% DESIGN PLANS	

DESIGNED BY: MDW
 DRAWN BY: MDW
 CHECKED BY: DMM/MDM
 SUBMITTED BY: DMM
 DATE: SEPTEMBER 1, 2022
 PROJECT # 1210490
 SHEET TITLE

**CIVIL SITE
 DEMOLITION
 PLAN**

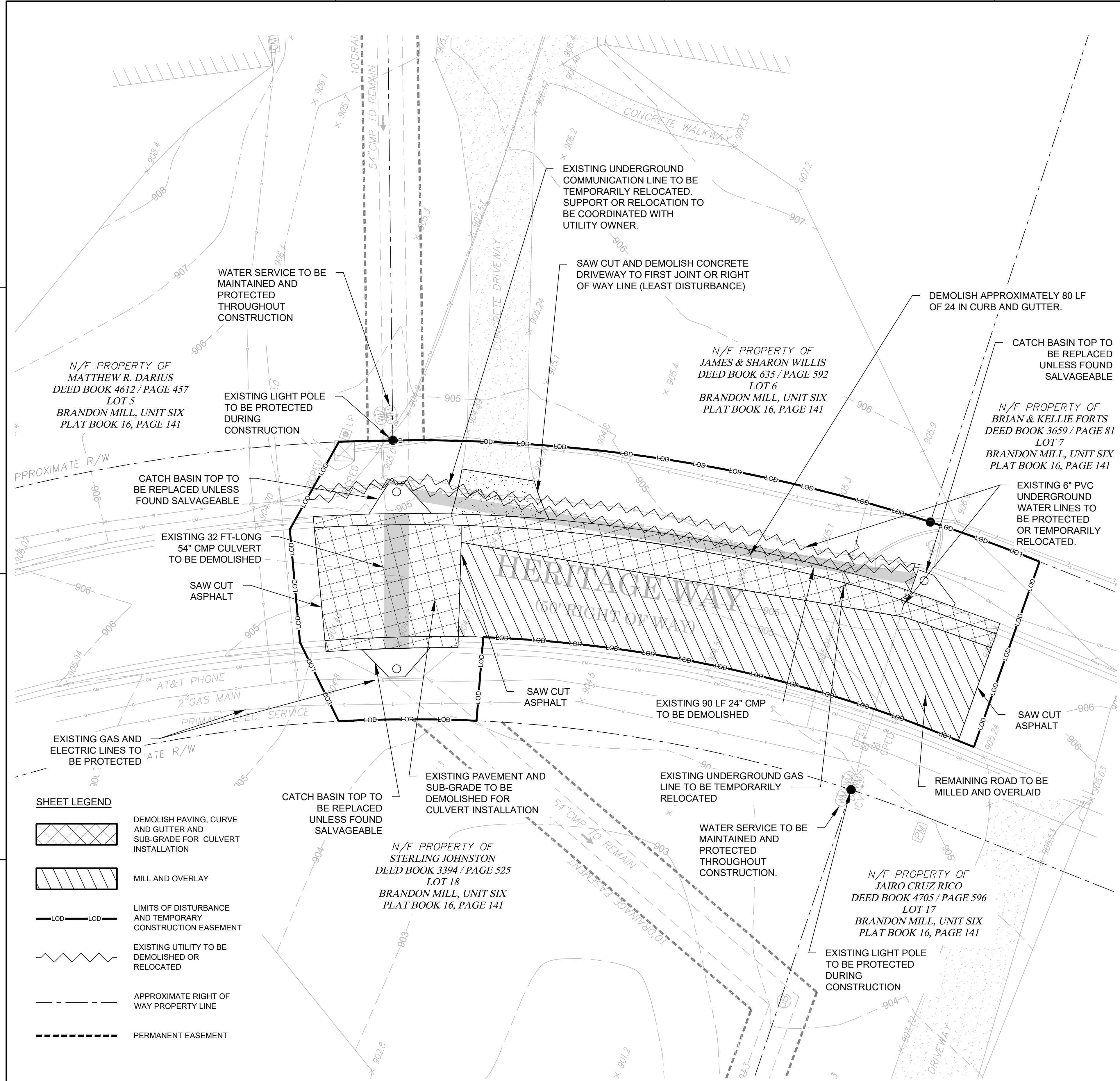
SHEET NUMBER
CD101
 SHEET 5 OF 15
 ORIGINAL SHEET SIZE:
 22" X 34"

GENERAL SHEET NOTES:

- REFER TO SHEETS C-001 AND C-002 FOR LEGENDS, ABBREVIATIONS, AND CIVIL NOTES.
- THIS SHEET IS PART OF A MULTI-SHEET SET OF CONSTRUCTION PLANS AND SHALL BE READ WITH THE FULL SET TO BEST ENSURE PROPER INTERPRETATION.
- CONTRACTOR TO COORDINATE LANE CLOSURE WITH FAYETTE COUNTY AND ENGINEER. PROVIDE AT LEAST ONE 12 FOOT LANE FOR TRAFFIC AT ALL TIMES.
- 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. (SHALL BE CERTIFIED BY A GEORGIA REGISTERED LAND SURVEYOR)
- 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, FENCING OR EXISTING ROADWAY OUTSIDE OF PAVING LIMITS DURING CONSTRUCTION.
- ANY DAMAGED ASPHALT OUTSIDE OF THE RESURFACE OR PAVING LIMITS SHOWN ON PLANS WILL REQUIRE TO BE MILLED AND RESURFACED.
- CONTRACTOR SHALL COORDINATE WITH UTILITY OWNERS TO PROTECT OR RELOCATE THE EXISTING INFRASTRUCTURE INCLUDING BUT NOT LIMITED TO GAS, COMMUNICATIONS, POWER, AND WATER.
- EXISTING CONDITIONS AS SHOWN ARE BASED ON SURVEY PROVIDED IN GENERAL NOTES #13 FROM SHEET C-002. EXISTING CONDITIONS SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE CONFIRMED BY CONTRACTOR PRIOR TO WORK.
- TOPOGRAPHIC SURVEY FOR HERITAGE WAY FOR FAYETTE COUNTY, PREPARED BY: GEOSURVEY, LTD., DATED: 10/18/2021.
- FAYETTE COUNTY TO COORDINATE AND OBTAIN REQUIRED EASEMENTS.


DEMOLITION NOTES:

- A. PROTECTION:**
- PERFORM DEMOLITION SO AS TO PREVENT DAMAGE TO ADJACENT IMPROVEMENTS AND FACILITIES TO REMAIN TO INCLUDE AREAS OUTSIDE OF APPROVED LIMITS OF DISTURBANCE
 - 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 BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGED ROADWAY/ASPHALT DURING PROJECT CONSTRUCTION.
 - 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.
 - CONTRACTOR TO MAINTAIN ACCESS TO AFFECTED PROPERTIES AT ALL TIMES.
 - WATER SERVICE TO BE PROTECTED AND MAINTAINED.
- 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.
 - ALL 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 ACCUMULATE 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 AND MAINTAIN ENOUGH CLEAR SPACE FOR CONSTRUCTION EQUIPMENT ACCESS.
 - ONSITE EXCAVATED MATERIAL MAY NOT BE SUITABLE FOR RE-USE. CONTRACTOR PRICING SHALL INCLUDE ALL MATERIALS INCLUDING IMPORTED FILL, AS NECESSARY.
- 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.



SHEET LEGEND

	DEMOLISH PAVING, CURVE AND GUTTER AND SUB-GRADE FOR CULVERT INSTALLATION
	MILL AND OVERLAY
	LIMITS OF DISTURBANCE AND TEMPORARY CONSTRUCTION EASEMENT
	EXISTING UTILITY TO BE DEMOLISHED OR RELOCATED
	APPROXIMATE RIGHT OF WAY PROPERTY LINE
	PERMANENT EASEMENT

A1 CIVIL SITE DEMOLITION PLAN
 SCALE: 1" = 10'


FILE PATH: X:\FY21\1210490\04.CAD_BIM\04.02.CAD\CD101.PLOTTED BY: MURRAY, DANIELLE DATE: 12/1/22

GENERAL SHEET NOTES

- REFER TO SHEETS C-001 AND C-002 FOR LEGENDS, ABBREVIATIONS, AND CIVIL NOTES.
- THIS SHEET IS PART OF A MULTI-SHEET SET OF CONSTRUCTION PLANS AND SHALL BE READ WITH THE FULL SET TO BEST ENSURE PROPER INTERPRETATION.
- CONTRACTOR TO COORDINATE LANE CLOSURE WITH FAYETTE COUNTY AND ENGINEER. PROVIDE AT LEAST ONE 12 FOOT LANE FOR TRAFFIC AT ALL TIMES. CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICE (MUTCD) AND GDOT STANDARDS.
- ALL CONCRETE FORMWORK AND REINFORCING BARS TO BE INSPECTED BY ENGINEER'S OR OWNER'S FIELD REPRESENTATIVE IN CONJUNCTION WITH THE CONTRACTOR'S REPRESENTATIVE BEFORE CONCRETE IS PLACED.
- AS-BUILT DRAWINGS SHALL CONTAIN ALL RELEVANT ELEVATIONS AND INVERTS. (ALL AS-BUILT DRAWINGS SHOULD BE CERTIFIED BY A GEORGIA REGISTERED LAND SURVEYOR).
- CONTRACTOR TO ESTABLISH TEMPORARY SUPPORT FOR EXISTING UTILITIES AND MAINTAIN IT THROUGHOUT CONSTRUCTION.
- CONTRACTOR TO BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGED CURB OR DRIVEWAYS DURING CONSTRUCTION.
- CONTRACTOR TO BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGED ROADWAY/ASPHALT DURING PROJECT CONSTRUCTION, AS WELL AS REPLACEMENT AND RELOCATION OF MAILBOXES.
- STRUCTURE SHOP DRAWINGS ARE TO BE APPROVED BY ENGINEER FOR OWNER.

GRADING NOTES:

- ROAD TO BE GRADED FROM CROWN TO EDGE OF ASPHALT AT 1/4" PER 1'
- MAXIMUM SLOPES ALLOWED WITHIN FAYETTE COUNTY RIGHT-OF-WAY SHALL BE 3:1. PROVIDE GENTLER SLOPES WHERE POSSIBLE.



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CLIENT INFORMATION

FAYETTE COUNTY

140 STONEWALL AVE W, STE 203
FAYETTEVILLE, GA 30214

PROJECT NAME

HERITAGE WAY
CULVERT
REPLACEMENT

FAYETTE COUNTY, GA

DRAWING ISSUE

12/01/2022
DATE

100% DESIGN PLANS
DESCRIPTION

MARK

DESIGNED BY: MDW
DRAWN BY: MDW
CHECKED BY: DMM/MDM
SUBMITTED BY: DMM
DATE: SEPTEMBER 1, 2022
PROJECT # 1210490

SHEET TITLE

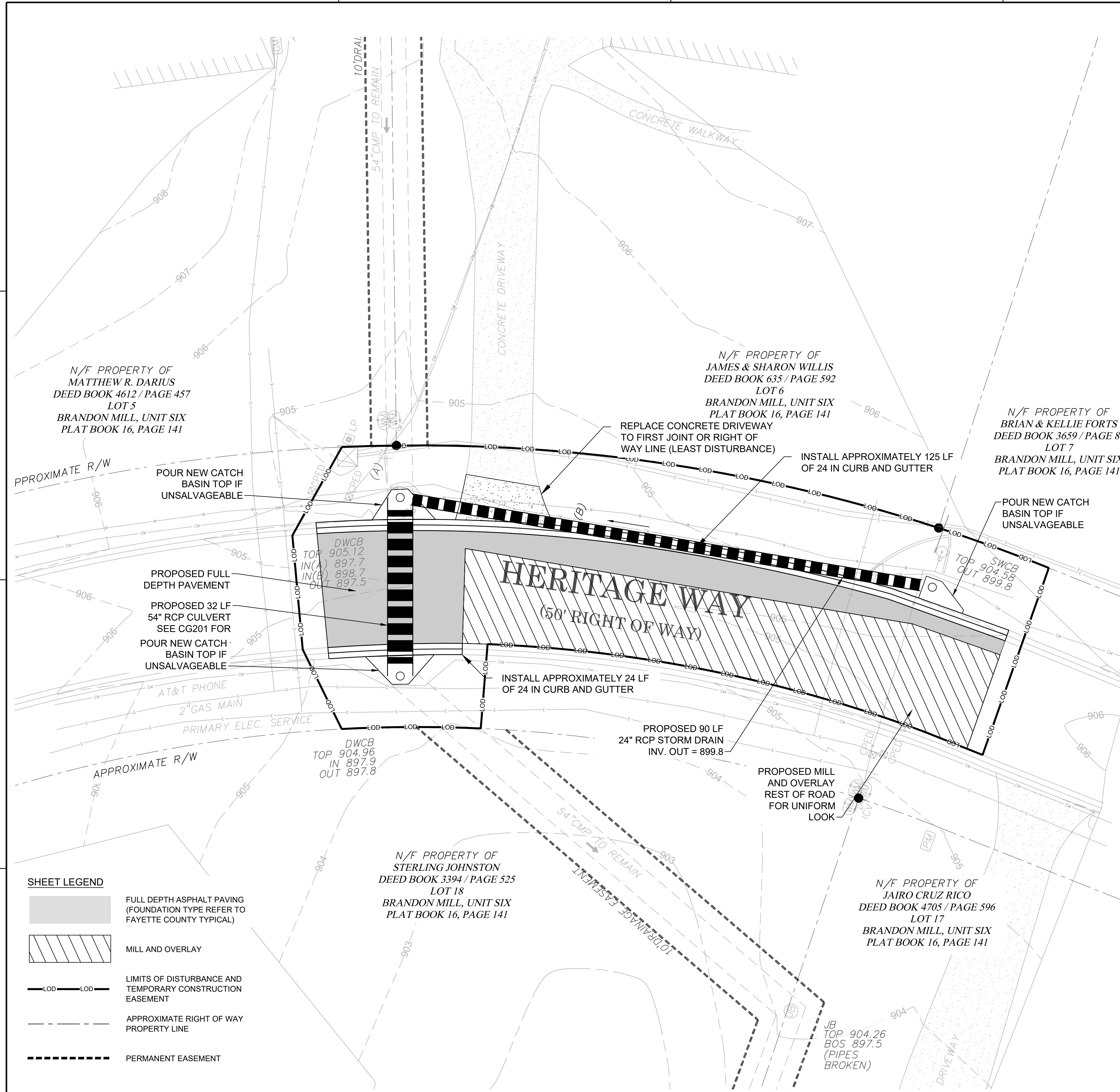
SITE AND
GRADING PLAN
- CONCEPT

SHEET NUMBER

CG101

SHEET 6 OF 15

ORIGINAL SHEET SIZE: 22" X 34"



SHEET LEGEND

- FULL DEPTH ASPHALT PAVING (FOUNDATION TYPE REFER TO FAYETTE COUNTY TYPICAL)
- MILL AND OVERLAY
- LIMITS OF DISTURBANCE AND TEMPORARY CONSTRUCTION EASEMENT
- APPROXIMATE RIGHT OF WAY PROPERTY LINE
- PERMANENT EASEMENT

(A1) SITE AND GRADING PLAN - CONCEPT
SCALE: 1" = 10'

FILE PATH: X:\FY21\1210490\04 CAD_BIM\04_02 CAD\CG101 PLOTTED BY: MURRAY, DANIELLE DATE: 12/1/22

GENERAL SHEET NOTES

1. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS AND DEPTHS.



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CLIENT INFORMATION

FAYETTE COUNTY

140 STONEWALL AVE W, STE 203
FAYETTEVILLE, GA, 30214

PROJECT NAME

HERITAGE WAY
CULVERT
REPLACEMENT

FAYETTE COUNTY, GA

DRAWING ISSUE

12/01/2022
DATE

100% DESIGN PLANS
DESCRIPTION

MARK

DESIGNED BY: MDW
DRAWN BY: MDW
CHECKED BY: DMM/MDM
SUBMITTED BY: DMM
DATE: SEPTEMBER 1, 2022
PROJECT # 1210490

SHEET TITLE

STORM DRAIN
PROFILE -
CONCEPT

SHEET NUMBER

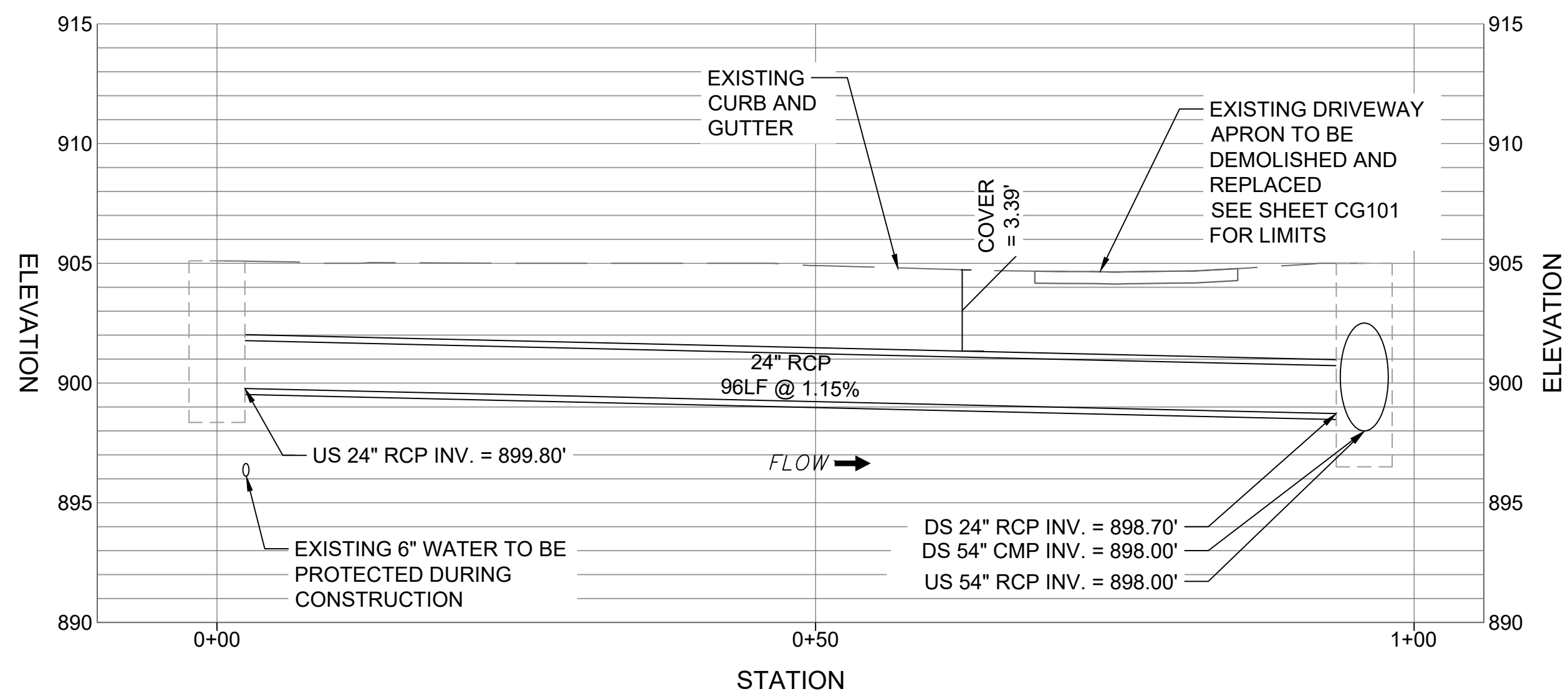
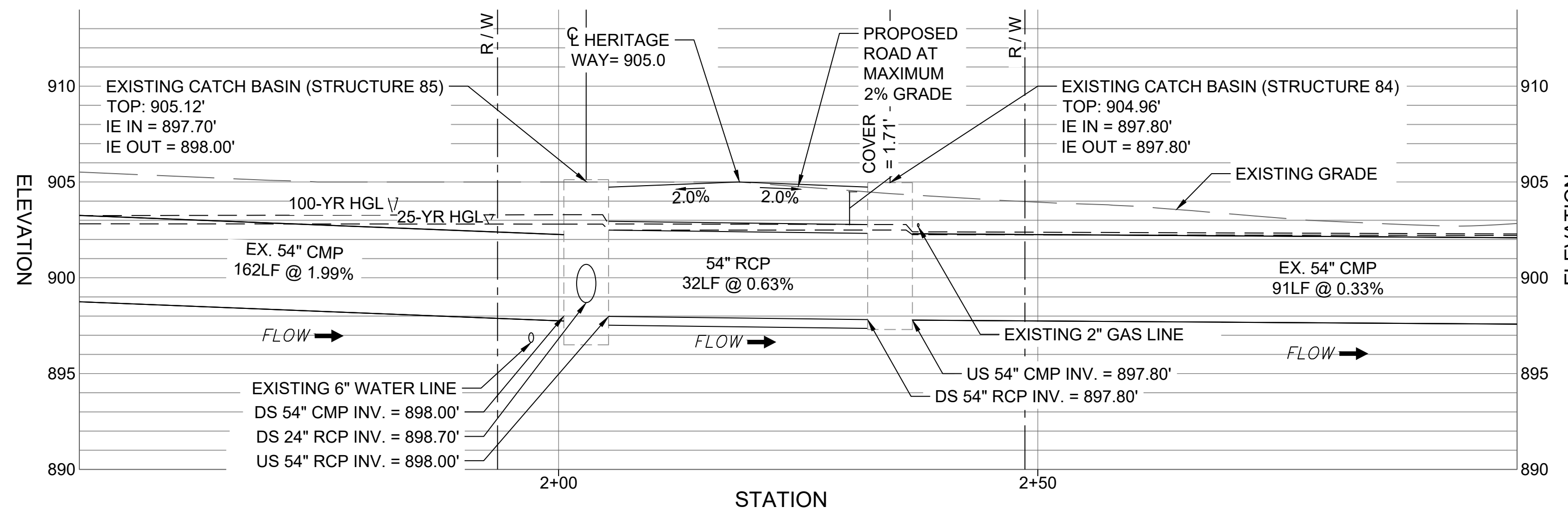
CG201

SHEET 7 OF 15

ORIGINAL SHEET SIZE:
22" X 34"

FLOW SUMMARY TABLE				
STORM FREQUENCY	FLOW (CFS)	HEADWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)	DOWNSTEAM VELOCITY (FPS)
10-YEAR	48.0	902.57	-	-
25-YEAR	57.1	902.80	-	-
100-YEAR	71.6	903.29	-	-

DRAINAGE AREA = 25 ACRES
AVERAGE STREAM SLOPE = 1.0%



A1 STORM DRAIN PROFILE - CONCEPT

SCALE: 1" = 10'



NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25- OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS..

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.

WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

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.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED WITH FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.

SEDIMENT STORAGE MAINTENANCE INDICATORS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, INDICATING THE 1/3 FULL VOLUME.

DESIGN PROFESSIONAL CERTIFICATION:

I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY DIRECT SUPERVISION.

December 1, 2022
DATE

DAVID MORGAN, P.E.
GSWCC LEVEL II CERTIFICATION # 0000011643
EXPIRES: 06/03/2024

EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN GENERAL NOTES
(IN CONFORMANCE WITH STATE OF GEORGIA GENERAL NPDES PERMIT NO. GAR 100001.)

OWNER/ PRIMARY PERMITEE: FAYETTE COUNTY ENVIRONMENTAL MANAGEMENT
PHIL MALLON
140 STONEWALL AVE. W., SUITE 203, FAYETTEVILLE, GA. 30214
PHONE (770) 305-5410
PUBLICWORKS@FAYETTECOUNTYGA.GOV

ENGINEER: POND & COMPANY
3500 PARKWAY LANE, SUITE 500
PEACHTREE CORNERS, GEORGIA 30092
PHONE: (678) 336-7740
FAX: (678) 336-7744

CONTACT: DAVID MORGAN, PE
GA. P.E. # 27428, E&S LEVEL II CERTIFICATION # 0000011643

CONTRACTOR: TO BE DETERMINED

24-HOUR EROSION AND SEDIMENT CONTROL CONTACT: PHIL MALLON -770-313-9855

TOTAL SITE AREA: 0.06 ACRES
DISTURBED AREA: 0.06 ACRES

EXISTING LAND USE: THE EXISTING LAND USE CONSISTS OF TWO LANE PAVED ROAD WITH 54" AND 24" CMP CULVERTS.

PROPOSED LAND USE: THE PROJECT CONSIST OF REMOVING THE EXISTING DETERIORATED 54-INCH AND 24-INCH DIAMETER CMP STORM DRAINS. THE STORM DRAINS ARE TO BE REPLACED WITH 90 LF OF 24-INCH RCP AND 32 LF OF 54-INCH RCP STORM DRAINS.

GPS COORDINATES OF SITE: 33.48136, -84.46074

NAME OF RECEIVING WATERS: FLINT RIVER
AREA OF ON-SITE WETLANDS: 0 AC

National Flood Hazard Layer FIRMette



Legend
SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
Without Base Flood Elevation (BFE)
With BFE or Depth
Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
0.2% Annual Chance Flood Hazard, Areas of 1% Annual Chance Flood with average depth less than one foot or with drainage areas of less than one square mile
Future Conditions 1% Annual Chance Flood Hazard
Area with Reduced Flood Risk due to Levees, See Notes
Area with Flood Risk due to Levees

OTHER AREAS
Area of Minimal Flood Hazard
Effective LOMRs
Area of Undetermined Flood Hazard

GENERAL STRUCTURES
Channel, Culvert, or Storm Sewer
Levee, Dike, or Floodwall

OTHER FEATURES
Cross Sections with 1% Annual Chance
Water Surface Elevation
Coastal Transect
Base Flood Elevation Line (BFE)
Level of Study
Jurisdiction Boundary
Coastal Transect Baseline
Profile Baseline
Hydrographic Feature

MAP PANELS
Digital Data Available
No Digital Data Available
Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 01/20/2022 at 2:08 PM, and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



SOILS LEGEND

SYMBOL	DESCRIPTION
AmB	Appling sandy loam, 2 to 6 percent slopes

FEMA FLOOD MAP - 1311C0118E
SCALE: NTS DATED 10/2020

THERE ARE KNOWN WETLANDS LOCATED WITHIN 200 FEET OF PROJECT AREA.
STATE WATERS DO EXIST WITHIN 200 FEET OF PROJECT AREA.

EROSION CONTROL LEGEND

- Ds1** TEMPORARY MULCHING - DETAIL A4/CE-501
- Ds2** TEMPORARY SEEDING - DETAIL A1/CE-502
- Ds4** DISTURBED AREA STABILIZATION W/ SOODING - DETAIL A2/CE-502
- Sd1-NS 28"** SF SILT FENCING DETAIL C2/CE-501
- Du** DUST CONTROL - DETAIL A1/CE-501
- Sd2-P** CURB INLET PROTECTION DETAIL A2/CE-501
- Co** CONSTRUCTION EXIT DETAIL ___/CE-50_

ACTIVITY SCHEDULE (FOR PERMITTING REFERENCE ONLY)

ACTIVITY	TIME / 16 WEEKS															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
INSTALL SILT FENCE, CONSTRUCTION EXIT	█															
CLEARING AND GRUBBING	█	█														
INSTALL REMAINDER OF INITIAL PERIMETER CONTROLS INCLUDING SEDIMENT BASINS, CHECK DAMS, ROCK DAMS, DIVERSION BERMS, ROCK FILTER, DOWN DRAINS, INLET SEDIMENT TRAPS, AND FILTER RINGS,			█													
DEMOLITION OF SURFACE PAVEMENT, OR ANY OTHER MISCELLANEOUS REQUIRED BMP - FENCES, EXISTING CULVERTS AND UTILITY POLES				█												
UTILITY RELOCATION				█	█	█	█	█								
ROUGH GRADING OPERATIONS								█	█	█	█					
INSTALLATION OF PROPOSED CULVERTS										█	█	█	█			
FINAL PAVING AND GRADING														█	█	█
PERMANENT SEEDING																█
REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES																█
MAINTENANCE OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█

DESIGN PROFESSIONAL:
DAVID MORGAN, P.E.
LEVEL II CERTIFICATION
No.: 0000011643
EXPIRES : 06/03/2024

811 Know what's below.
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Georgia 30092
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EOR/AOR SEAL
REGISTERED PROFESSIONAL ENGINEER
DAVID M. MORGAN
12/2/2022
CLIENT INFORMATION

FAYETTE COUNTY
140 STONEWALL AVE W, STE 203
FAYETTEVILLE, GA. 30214

PROJECT NAME
HERITAGE WAY
CULVERT
REPLACEMENT

FAYETTE COUNTY, GA

DRAWING ISSUE

12/01/2022 DATE

100% DESIGN PLANS DESCRIPTION

MARK

DESIGNED BY: MDW
DRAWN BY: MDW
CHECKED BY: DMM/MDM
SUBMITTED BY: DMM
DATE: SEPTEMBER 1, 2022
PROJECT # 1210490

SHEET TITLE

EROSION AND
SEDIMENTATION
CONTROL
NOTES AND
LEGEND

SHEET NUMBER

CE001

SHEET 8 OF 15

ORIGINAL SHEET SIZE: 22" X 34"

FILE PATH: X:\FY21\1210490\04-CAD_BIM\04_02-CAD\ICE-001 PLOTTED BY: MURRAY, DANELLE DATE: 12/1/22

STRUCTURAL PRACTICES:

THE STRUCTURAL PRACTICES SHOWN ON THIS PLAN HAVE BEEN DESIGNED TO REDUCE EROSION & SEDIMENTATION OF DISTURBED AREAS.

SILT FENCE (SD1-TYPE "S"), TEMPORARY SEDIMENT BASINS, AND DIVERSION DITCHES WILL BE INSTALLED PRIOR TO CLEARING AND GRADING OPERATIONS TO KEEP SEDIMENT CONTAINED WITHIN THE SITE AS NECESSARY. DISTURBED AREA STABILIZATION SHALL BE STABILIZED WITH MULCH (Ds1), TEMPORARY SEEDING (Ds2), AND PERMANENT SEEDING (Ds3) AS NECESSARY. INLET SEDIMENT TRAP PROTECTION WILL BE USED TO HELP PREVENT SEDIMENT FROM ENTERING ANY EXISTING INLETS. SEDIMENT STORAGE OF 67 CY PER DISTURBED ACRE IS PROVIDED BY TEMPORARY SEDIMENT BASINS.

CRITICAL WORK ZONE:

ALL SLOPES 3:1 OR STEEPER AND HIGHER THAN 5 FEET, AND ALL SLOPES ADJACENT TO BUFFERS SHALL RECEIVE SURFACE ROUGHENING, AND EROSION CONTROL MATTING. SILT FENCING WILL BE USED TO PREVENT SEDIMENT FROM LEAVING THE DISTURBED AREA. INLET PROTECTION WILL BE USED TO PREVENT SEDIMENT FROM ENTERING THE STORM SEWER.

CONSTRUCTION PERIOD STORM WATER POLLUTANT CONTROL:

SEDIMENTATION AND FUEL SPILLS ARE POTENTIAL SOURCES OF STORM WATER POLLUTION DURING THE CONSTRUCTION PROCESS. THESE POLLUTANTS WILL BE REMOVED AND/OR REDUCED VIA THE BMP'S CONTAINED WITHIN THIS PLAN

STABILIZATION MEASURES:

THE STABILIZATION MEASURES SHOWN ON THESE PLANS HAVE BEEN DESIGNED TO STABILIZE THE DISTURBED AREAS FOLLOWING THE TEMPORARY OR PERMANENT COMPLETION OF CONSTRUCTION. ALL EXPOSED AREAS SHALL BE STABILIZED WITH TEMPORARY MULCHING (DS1) IMMEDIATELY AFTER TRENCHING IF THEY ARE TO REMAIN INACTIVE FOR 14 DAYS OR MORE. ALL DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY (DS2) OR PERMANENT (DS3) VEGETATION AS INDICATED ON THE PLAN. SLOPES GREATER 3:1 ARE TO BE STABILIZED WITH EROSION CONTROL MATTING (MB). DUST CONTROL (DU) SHALL ALSO BE PROVIDED AS NEEDED DURING GRADING ACTIVITIES. SEE EROSION, SEDIMENTATION, AND POLLUTION CONTROL (ESPCP) DETAIL SHEETS FOR MORE DETAILS REGARDING THESE STABILIZATION MEASURES.

STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED, EXCEPT:

WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASED IS PRECLUDED BY SNOW COVER OR OTHER ADVERSE WEATHER CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL.

WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 21 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASED.

KEEPING PLANS CURRENT:

THE PRIMARY, SECONDARY OR TERTIARY PERMITTEES, AS APPLICABLE, SHALL AMEND THEIR PLAN WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON BMPS WITH A HYDRAULIC COMPONENT (I.E., THOSE BMPS WHERE THE DESIGN IS BASED UPON RAINFALL INTENSITY, DURATION AND RETURN FREQUENCY STORMS) OR IF THE PLAN PROVES TO BE INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS FROM SOURCES IDENTIFIED UNDER PART IV.D.3. OF THIS PERMIT. AMENDMENTS TO THE PLAN MUST BE CERTIFIED BY A DESIGN PROFESSIONAL AS PROVIDED IN THIS PERMIT. SECONDARY PERMITTEES MUST NOTIFY THE PRIMARY PERMITTEE WITHIN 24-HOURS OF BECOMING AWARE OF ANY SUSPECTED BMP DESIGNED DEFICIENCIES WHICH ARE NOT EFFECTIVE IN CONTROLLING THE DISCHARGE OF POLLUTANTS FROM THE SECONDARY PERMITTEE'S SITE. THE PRIMARY PERMITTEE MUST EVALUATE WHETHER THESE DEFICIENCIES EXIST WITHIN 48-HOURS OF SUCH NOTICE, AND IF THESE DEFICIENCIES ARE FOUND TO EXIST MUST AMEND THE PLAN IN ACCORDANCE WITH THIS PARAGRAPH TO ADDRESS THOSE DEFICIENT BMPS WITHIN SEVEN (7) DAYS OF BEING NOTIFIED BY THE SECONDARY PERMITTEE. WHEN THE PLAN IS AMENDED, THE PRIMARY PERMITTEE MUST NOTIFY AND PROVIDE A COPY OF THE AMENDMENT TO ALL AFFECTED SECONDARY PERMITTEES WITHIN THIS SEVEN (7) DAY PERIOD. THE SECONDARY PERMITTEE(S) MUST IMPLEMENT ANY NEW PLAN REQUIREMENTS AFFECTING THEIR SITE(S) WITHIN 48-HOURS OF NOTIFICATION BY THE PRIMARY PERMITTEE. NOTWITHSTANDING THE FOREGOING, THE PRIMARY OR TERTIARY PERMITTEE REMAINS RESPONSIBLE FOR INSURING THAT THE PLAN, AS APPROPRIATE, MEETS THE REQUIREMENTS OF THIS PERMIT.

PROPER OPERATION AND MAINTENANCE:

THE PERMITTEE SHALL AT ALL TIMES PROPERLY OPERATE AND MAINTAIN ALL FACILITIES AND SYSTEMS OF TREATMENT AND CONTROL (AND RELATED APPURTENANCES) WHICH ARE INSTALLED OR USED BY THE PERMITTEE TO ACHIEVE COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT AND WITH THE REQUIRED PLANS. PROPER OPERATION AND MAINTENANCE ALSO INCLUDES ADEQUATE LABORATORY CONTROLS AND APPROPRIATE QUALITY ASSURANCE PROCEDURES. PROPER OPERATION AND MAINTENANCE REQUIRES THE OPERATION OF BACKUP OR AUXILIARY FACILITIES OR SIMILAR SYSTEMS, INSTALLED BY AN PERMITTEE ONLY WHEN NECESSARY TO ACHIEVE COMPLIANCE WITH THE CONDITIONS OF THE PERMIT.

EROSION AND SEDIMENT CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION AND SEDIMENT CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

REFER TO THE DETAILS CONTAINED WITHIN THIS PLAN SET FOR ADDITIONAL MAINTENANCE INSTRUCTION.

NON-STORM WATER DISCHARGES:

NON-STORM WATER DISCHARGES (DISCHARGES FROM FIRE FIGHTING ACTIVITIES, FIRE HYDRANT FLUSHING, POTABLE WATER SOURCES INCLUDING WATER LINE FLUSHING, IRRIGATION DRAINAGE, AIR CONDITIONING CONDENSATE, SPRINGS, UNCONTAMINATED GROUNDWATER, AND FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS OR POLLUTANTS) THAT ARE COMBINED WITH STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY SHALL BE DISCHARGED TO THE PROPOSED STORM DRAINAGE SYSTEM AND ROUTED THROUGH THE EROSION AND SEDIMENTATION CONTROLS IDENTIFIED WITHIN THIS PLAN. NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF THIS IS NOT POSSIBLE.

WASTE MATERIALS AND DISPOSAL:

ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER OR OTHER APPROPRIATE WASTE MANAGEMENT FACILITY PERMISSIBLE UNDER GAR PERMIT NO. 100001. WASTE MANAGEMENT FACILITIES SHALL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE WASTE MANAGEMENT FACILITIES. WASTE MANAGEMENT FACILITIES SHALL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY AND TRASH SHALL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE SHALL BE BURIED ON-SITE.

ALL PERSONNEL SHALL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES SHALL BE POSTED AT THE JOB SITE AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

LOCATE WASTE COLLECTION AREAS AWAY FROM STREETS, GUTTERS, WATERCOURSES AND STORM DRAINS. WASTE COLLECTION AREAS, SUCH AS DUMPSTERS, ARE OFTEN BEST LOCATED NEAR CONSTRUCTION SITE ENTRANCES TO MINIMIZE TRAFFIC ON DISTURBED SOILS.

HAZARDOUS WASTES:

ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN THE MANNER AS REQUIRED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, SHALL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE SHALL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS SHALL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS SHALL BE MAINTAINED IN THE EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN (ESPCP) FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO HANDLES A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ESPCP AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES SHALL BE ALLOWED TO COME IN CONTACT WITH STORM WATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORM WATER DISCHARGE SHALL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORM WATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

NOTHING IN THIS PERMIT SHALL BE CONSTRUED TO PRECLUDE THE INSTITUTION OF ANY LEGAL ACTION OR RELIEVE THE PERMITTEE FROM ANY RESPONSIBILITIES, LIABILITIES, OR PENALTIES TO WHICH THE PERMITTEE IS OR MAY BE SUBJECT UNDER THE GEORGIA HAZARDOUS WASTE MANAGEMENT ACT, O.C.G.A. § 12-8-60, ET SEQ. OR UNDER CHAPTER 14 OF TITLE 12 OF THE OFFICIAL CODE OF GEORGIA ANNOTATED; NOR IS THE OPERATOR RELIEVED FROM ANY RESPONSIBILITIES, LIABILITIES OR PENALTIES TO WHICH THE PERMITTEE IS OR MAY BE SUBJECT UNDER SECTION 311 OF THE CLEAN WATER ACT OR SECTION 106 OF COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT.

SANITARY WASTES:

ALL PERMITTEES SHALL ENSURE THAT THIS PLAN IS IN COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC SYSTEM REGULATIONS.

A MINIMUM OF ONE PORTABLE SANITARY UNIT SHALL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH THE LOCAL STATE REGULATIONS.

ALL SANITARY WASTE UNITS SHALL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT OF BMP'S SHALL BE IMPLEMENTED AS NECESSARY, SUCH AS GRAVEL BAGS OR SPECIFICALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTE FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

OFFSITE VEHICLE TRACKING / DUST CONTROL:

OFF-SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED OR ELIMINATED TO THE MAXIMUM EXTENT PRACTICAL. A STABILIZED CONSTRUCTION EXIT (CO) SHALL BE PROVIDED TO REDUCE VEHICLE TRACKING OF SEDIMENT. SEE ESPCP PLAN AND DETAIL SHEETS FOR THE CONSTRUCTION EXIT LOCATIONS AND DETAIL. THE PAVED STREET ADJACENT TO THE CONSTRUCTION EXIT SHALL BE INSPECTED DAILY BY A REPRESENTATIVE OF THE SITE CONTRACTOR FOR TRACKING OF MUD, DIRT, OR ROCK. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE SHALL BE COVERED WITH A TARPULIN. DUST CONTROL (DU) SHALL BE APPLIED AS NECESSARY TO PREVENT SURFACE AND AIR MOVEMENT OF DUST.

INVENTORY FOR POLLUTION PREVENTION PLAN

THE FOLLOWING MATERIALS ARE EXPECTED TO BE ONSITE DURING CONSTRUCTION: CONCRETE PRODUCTS, ASPHALT, PETROLEUM BASED FUELS AND LUBRICANTS FOR EQUIPMENT, TAR, METAL BUILDING MATERIALS, LUMBER, SHEET ROCK, FLOOR COVERINGS, ELECTRICAL WIRE AND FIXTURES, PAINTS/STAINS/FINISHING TREATMENTS, PAINT SOLVENTS, ADDITIVES FOR SOIL STABILIZATION, CLEANING SOLVENTS, PESTICIDES, FERTILIZERS, HERBICIDES, CRUSHED STONE, PLASTIC AND METAL PIPES.

SPILL PREVENTION

PRACTICES SUCH AS GOOD HOUSEKEEPING, PROPER HANDLING OF HAZARDOUS PRODUCTS AND PROPER SPILL CONTROL PRACTICES WILL BE FOLLOWED TO REDUCE THE RISK OF SPILLS AND SPILLS FROM DISCHARGING INTO STORM WATER RUNOFF.

GOOD HOUSEKEEPING

QUANTITIES OF PRODUCTS STORED ONSITE WILL BE LIMITED TO THE AMOUNT NEEDED FOR THE JOB.

- A. PRODUCTS AND MATERIALS WILL BE STORED IN A NEAT, ORDERLY MANNER IN APPROPRIATE CONTAINERS PROTECTED FROM RAINFALL, WHERE POSSIBLE.
- B. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH MANUFACTURER LABELS LEGIBLE AND VISIBLE.
- C. PRODUCT MIXING, PRODUCT DISPOSAL, AND DISPOSAL OF PRODUCT CONTAINERS WILL BE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

D. THE CONTRACTOR WILL INSPECT SUCH MATERIALS TO ENSURE PROPER USE, STORAGE AND DISPOSAL.

EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN GENERAL NOTES

(IN CONFORMANCE WITH STATE OF GEORGIA GENERAL NPDES PERMIT NO. GAR 100001)

PRODUCT SPECIFIC PRACTICES

PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAINMENT. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED INTO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS, AND PRODUCT CONTAINERS WILL BE DISPOSED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

CONCRETE/MASONRY - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON SITE. THE CONCRETE PROVIDER HAS RESPONSIBILITY TO ENSURE APPROPRIATE TRAINING HAS BEEN PROVIDED TO THEIR TRUCK DRIVERS, AND MUST PROVIDE APPROPRIATE DETAILS AND RESOURCES TO ENABLE THEM TO COMPLETE A DELIVERY WITHOUT CAUSING POLLUTION. CHUTES, BARRELS, WHEELBARROWS AND OTHER EQUIPMENT MUST BE RINSED IN THE SITE WASH-DOWN AREA. SWEEP OR SHOVEL ANY SPILLS THAT OCCUR AND ALLOW RESIDUE TO SET BEFORE REMOVING. THE HARDENED RESIDUE MAY THEN BE PLACED IN A DESIGNATED CONCRETE/MASONRY RECYCLING BIN ON SITE. DO NOT WASH CONCRETE/MASONRY INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS. TRUCKS SHOULD NOT TRACK ANY CONCRETE OR MUD AND SEDIMENT OFF SITE.

FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS, THE CROP ESTABLISHMENT GUIDELINES, OR THE SPECIFICATIONS CONTAINED WITHIN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.

SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN:

- A. LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED AND PROCEDURES SHALL BE MADE AVAILABLE TO SITE PERSONNEL.
- B. MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST, AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
- C. SPILL PREVENTION PRACTICES AND PROCEDURES SHALL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
- D. ALL SPILLS WILL BE CLEANED IMMEDIATELY UPON DISCOVERY. ALL SPILLS SHALL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.
- E. THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL IN THE STORM WATER DISCHARGE(S) FROM A SITE SHALL BE PREVENTED.
- F. WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTING QUANTITY ESTABLISHED UNDER EITHER GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. SEC. 12-14-2, ET SEQ.), 40 CFR 117, OR 40 CFR 302 OCCURS DURING A 24-HOUR PERIOD, THE PERMITTEE IS REQUIRED TO NOTIFY EPD AT (404) 656-4863 OR (800) 241-4113 AND THE NATIONAL RESPONSE CENTER (NRC) AT (800) 424-8802 IN ACCORDANCE WITH THE REQUIREMENTS OF GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. SEC. 12-14-2, ET SEQ.), 40 CFR 117, AND 40 CFR 302 AS SOON AS HE HAS KNOWLEDGE OF THE DISCHARGE.
- G. FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER) OR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) SHALL BE CONTACTED WITHIN 24 HOURS AT (800) 424-8802.
- H. FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD SHALL BE CONTACTED WITHIN 24 HOURS AT (404) 656-4863 OR (800) 241-4113.
- I. FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL SHALL BE CLEANED AND LOCAL AGENCIES SHALL BE CONTACTED AS REQUIRED.
- J. GENERAL NPDES PERMIT NO. GAR 100002 DOES NOT AUTHORIZE THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL RESULTING FROM AN ON-SITE SPILL.

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1,320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY A LICENSED PROFESSIONAL.

DESIGN PROFESSIONAL:
DAVID MORGAN, P.E.
LEVEL II CERTIFICATION
No.: 0000011643
EXPIRES : 06/03/2024



Know what's below.
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3500 Parkway Lane
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Georgia 30092

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CLIENT INFORMATION

FAYETTE COUNTY

140 STONEWALL AVE W, STE 203
FAYETTEVILLE, GA. 30214

PROJECT NAME

**HERITAGE WAY
CULVERT
REPLACEMENT**

FAYETTE COUNTY, GA

DRAWING ISSUE

DATE
12/01/2022

DESCRIPTION
100% DESIGN PLANS

MARK

DESIGNED BY: MDW
DRAWN BY: MDW
CHECKED BY: DMM/MDM
SUBMITTED BY: DMM
DATE: SEPTEMBER 1, 2022
PROJECT # 1210490

SHEET TITLE

**EROSION AND
SEDIMENTATION
CONTROL
NOTES AND
LEGEND**

SHEET NUMBER

CE002

SHEET 9 OF 15

ORIGINAL SHEET SIZE:
22" X 34"

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD: Towaliga

Project Name: Heritage Way Address: 210 - 110 Heritage Way

City/County: Fayette County Date on Plans: 06/10/2022

Name & email of person filling out checklist: Mani Walcott (walcottm@pondco.com)

Plan Included TO BE SHOWN ON ES&PC PLAN

Page # Y/N

CE-003 Y

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.

(The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)

ALL CE Y

2 Level II certification number issued by the Commission, signature and seal of the certified design professional.

(Signature, seal and level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)

CE-001 Y

3 The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.

CE-001 Y

4 Provide the name, address, email address, and phone number of primary permittee.

CE-001 Y

5 Note total and disturbed acreages of the project or phase under construction.

CE-001 Y

6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.

N/A N/A

7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.

CE-001 Y

8 Descriptions of the nature of construction activity and existing site conditions.

CE-001 Y

9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.

CE-001 Y

10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.

CE-001 Y

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.

N/A N/A

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. *

CE-001 Y

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. *

N/A N/A

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. *

CE-001 Y

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."

CE-001 Y

16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.

N/A N/A

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." *

N/A N/A

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." *

CE-001 Y 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."

CE-001 Y 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."

CE-001 Y 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."

N/A N/A 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 a Biota 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. *

N/A N/A 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. *

N/A N/A 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. *

CE-002 Y 25 Provide BMPs for the remediation of all petroleum spills and leaks.

N/A N/A 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. *

N/A N/A 27 Description of practices to provide cover for building materials and building products on site. *

N/A N/A 28 Description of the practices that will be used to reduce the pollutants in storm water discharges. *

CE-001 Y 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).

N/A N/A 30 Provide complete requirements of Inspections and record keeping by the primary permittee. *

N/A N/A 31 Provide complete requirements of Sampling Frequency and Reporting of sampling results. *

N/A N/A 32 Provide complete details for Retention of Records as per Part IV.F. of the permit. *

N/A N/A 33 Description of analytical methods to be used to collect and analyze the samples from each location. *

N/A N/A 34 Appendix B rationale for NTU values at all outfall sampling points where applicable. *

N/A N/A 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. *

N/A N/A 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. *

CE Plan Y 37 Graphic scale and North arrow.

CE Plan Y 38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Table with 2 columns: Contour Type, Scale/Reference. Existing Contours: USGS 1": 2000' Topographical Sheets. Proposed Contours: 1": 400' Centerline Profile.

N/A N/A 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 GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.

N/A N/A 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. *

CE Plan Y 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.

CE Plan Y 42 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.

N/A N/A 43 Delineation and acreage of contributing drainage basins on the project site.

N/A N/A 44 Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.

CE Plan Y 45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.

N/A N/A 46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.

CE-001 Y 47 Soil series for the project site and their delineation.

CE Plan Y 48 The limits of disturbance for each phase of construction.

CE-101 Y 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.

CE-102 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.

CE-50X Y 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.

CE-502 Y 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.

CE-503 * 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, 2022



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CLIENT INFORMATION

FAYETTE COUNTY 140 STONEWALL AVE W, STE 203 FAYETTEVILLE, GA. 30214

PROJECT NAME

HERITAGE WAY CULVERT REPLACEMENT

FAYETTE COUNTY, GA

DRAWING ISSUE

Table with 2 columns: DATE, DESCRIPTION, MARK. Row 1: 12/01/2022, 100% DESIGN PLANS, MARK

DESIGNED BY: MDW DRAWN BY: MDW CHECKED BY: DMM/MDM SUBMITTED BY: DMM DATE: SEPTEMBER 1, 2022 PROJECT # 1210490

SHEET TITLE

EROSION AND SEDIMENTATION CONTROL NOTES AND LEGEND

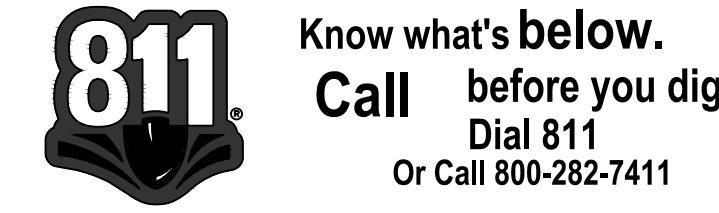
DESIGN PROFESSIONAL: DAVID MORGAN, P.E. LEVEL II CERTIFICATION No.: 0000011643 EXPIRES : 06/03/2024

SHEET NUMBER

CE003

SHEET 10 OF 15

ORIGINAL SHEET SIZE: 22" X 34"



100% DESIGN. ISSUED FOR CONSTRUCTION

SUMMARY OF AREAS

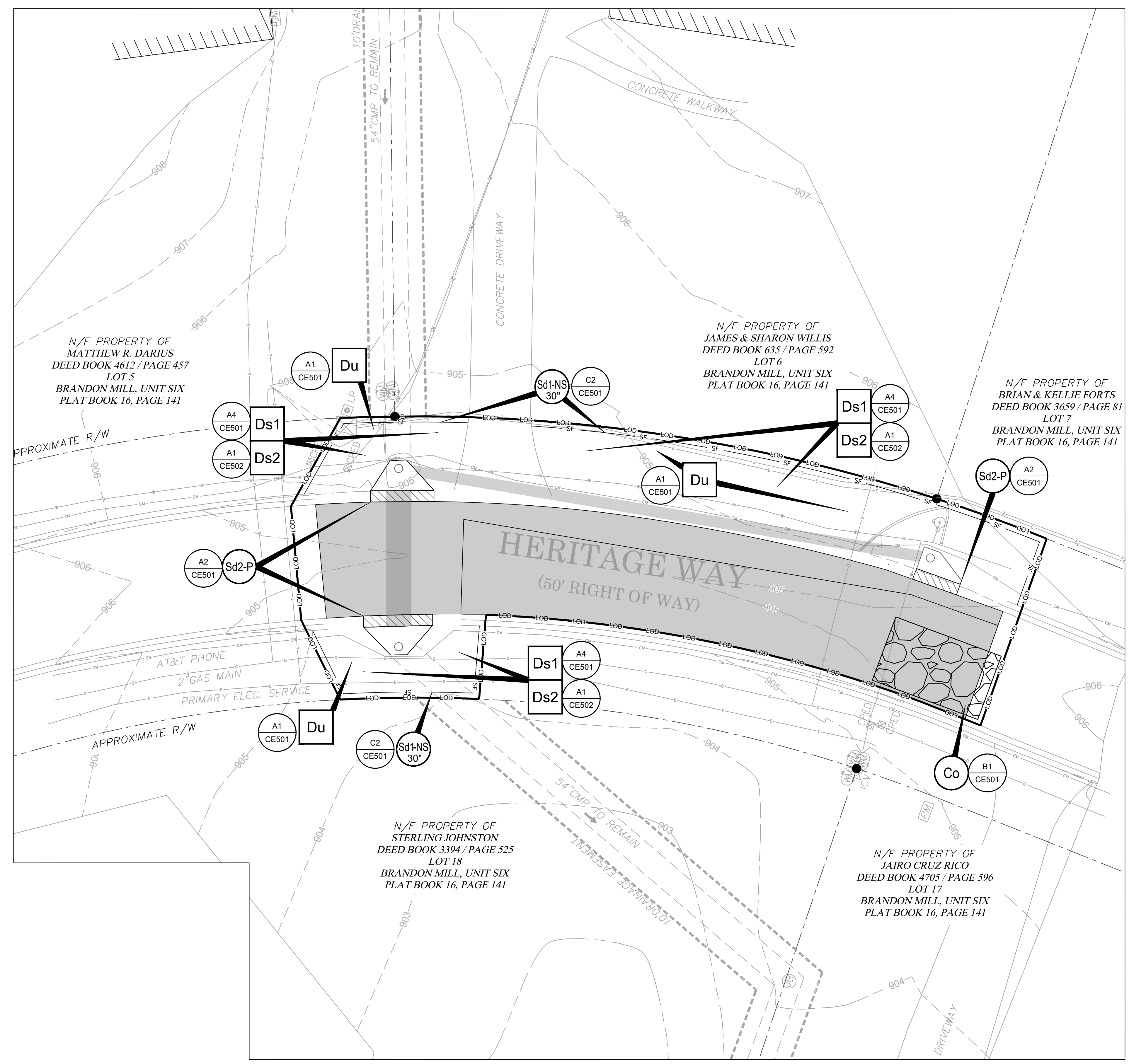
TOTAL SITE AREA: 0.06 ACRES
 ONSITE DISTURBED AREA: 0.06 ACRES
 AREA TO SILT FENCE: 0.06 ACRES
 (CONSISTS OF PERIMETER AREAS, WHERE SEDIMENT STORAGE IS NOT OBTAINABLE. SEDIMENT REMOVAL IS PROVIDED BY SILT FENCING)
 [1/4 ACRE TREATED PER 100 LF SILT FENCE]
 [236 LF SILT FENCE REQUIRED]
 [506 LF SILT FENCE PROVIDED]

GENERAL SHEET NOTES

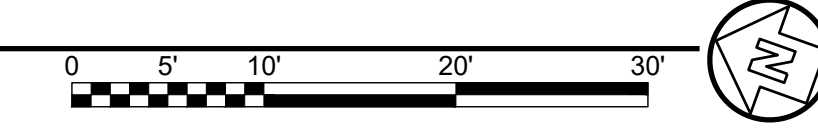
- REFER TO SHEET CE001 FOR GENERAL CIVIL NOTES, LEGENDS, AND ABBREVIATIONS.
- THIS SHEET IS PART OF A MULTI-SHEET SET OF EROSION CONTROL PLANS AND SHALL BE READ WITH THE FULL SET TO BEST ENSURE PROPER INTERPRETATION.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
- 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.
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
- ANY DISTURBED AREA LEFT IDLE FOR MORE THAN 30 DAYS SHALL BE STABILIZED WITH PERMANENT SEEDING.
- CONSTRUCTION ENTRANCE TO BE DETERMINED BY COUNTY AND CONTRACTOR PRIOR TO CONSTRUCTION.

SHEET LEGEND

- SILT FENCE
- LIMITS OF DISTURBANCE
- PROPERTY LINE
- CURB INLET FILTER
- CONSTRUCTION ENTRANCE



A1 EROSION AND SEDIMENTATION CONTROL PLAN - INITIAL PHASE
 SCALE: 1" = 10'



DESIGN PROFESSIONAL:
 DAVID MORGAN, P.E.
 LEVEL II CERTIFICATION
 No.: 0000011643
 EXPIRES : 06/03/2024

24-HOUR EROSION AND SEDIMENTATION CONTROL CONTACT:
 PHIL MALLON
 PHONE (770) 313-9855



Know what's below.
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 3500 Parkway Lane
 Suite 500
 Peachtree Corners
 Georgia 30092
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EOR/AOR SEAL

 CLIENT INFORMATION

FAYETTE COUNTY
 140 STONEWALL AVE W, STE 203
 FAYETTEVILLE, GA. 30214

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**HERITAGE WAY
 CULVERT
 REPLACEMENT**

FAYETTE COUNTY, GA

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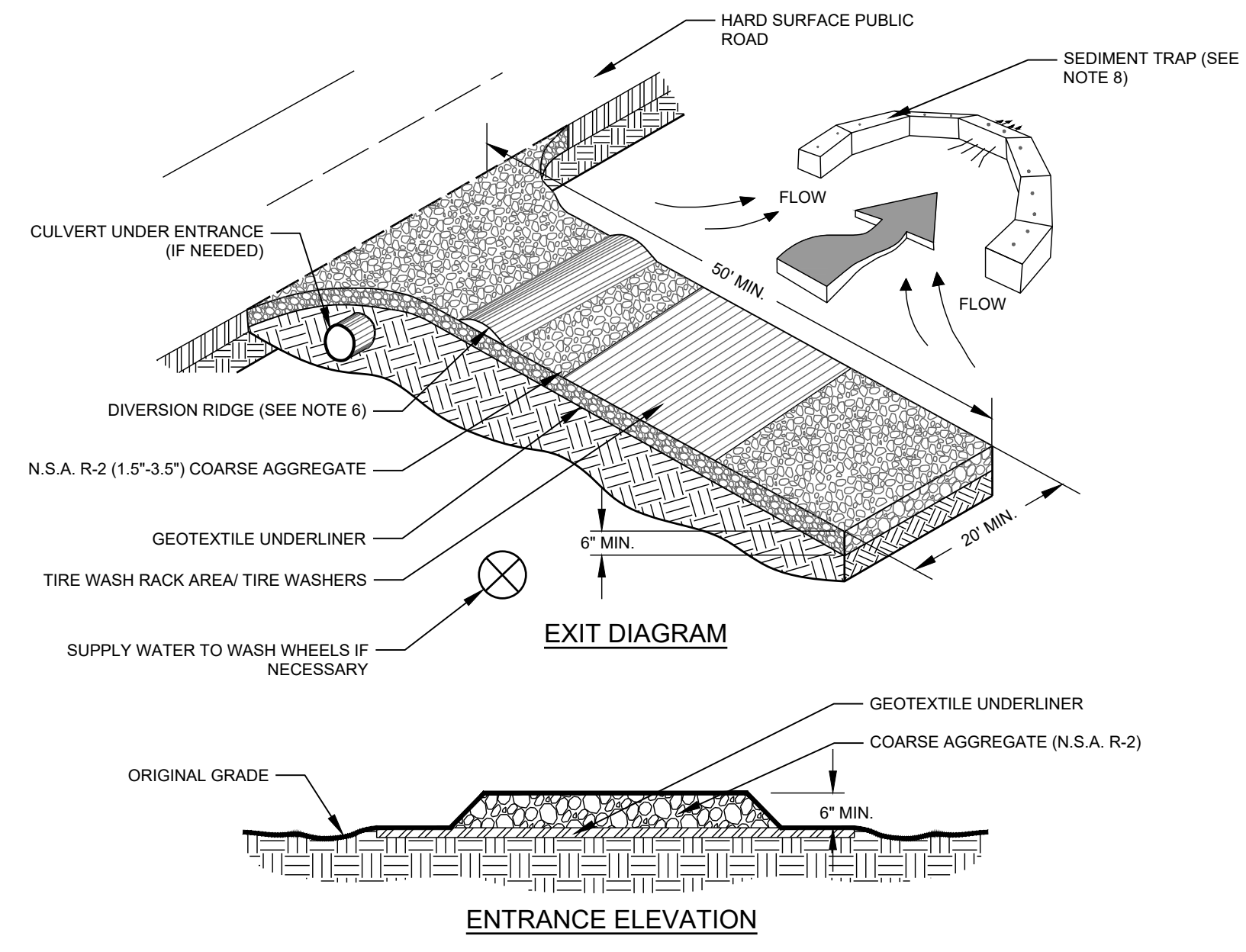
**EROSION AND
 SEDIMENTATION
 CONTROL PLAN
 - INITIAL PHASE**

SHEET NUMBER

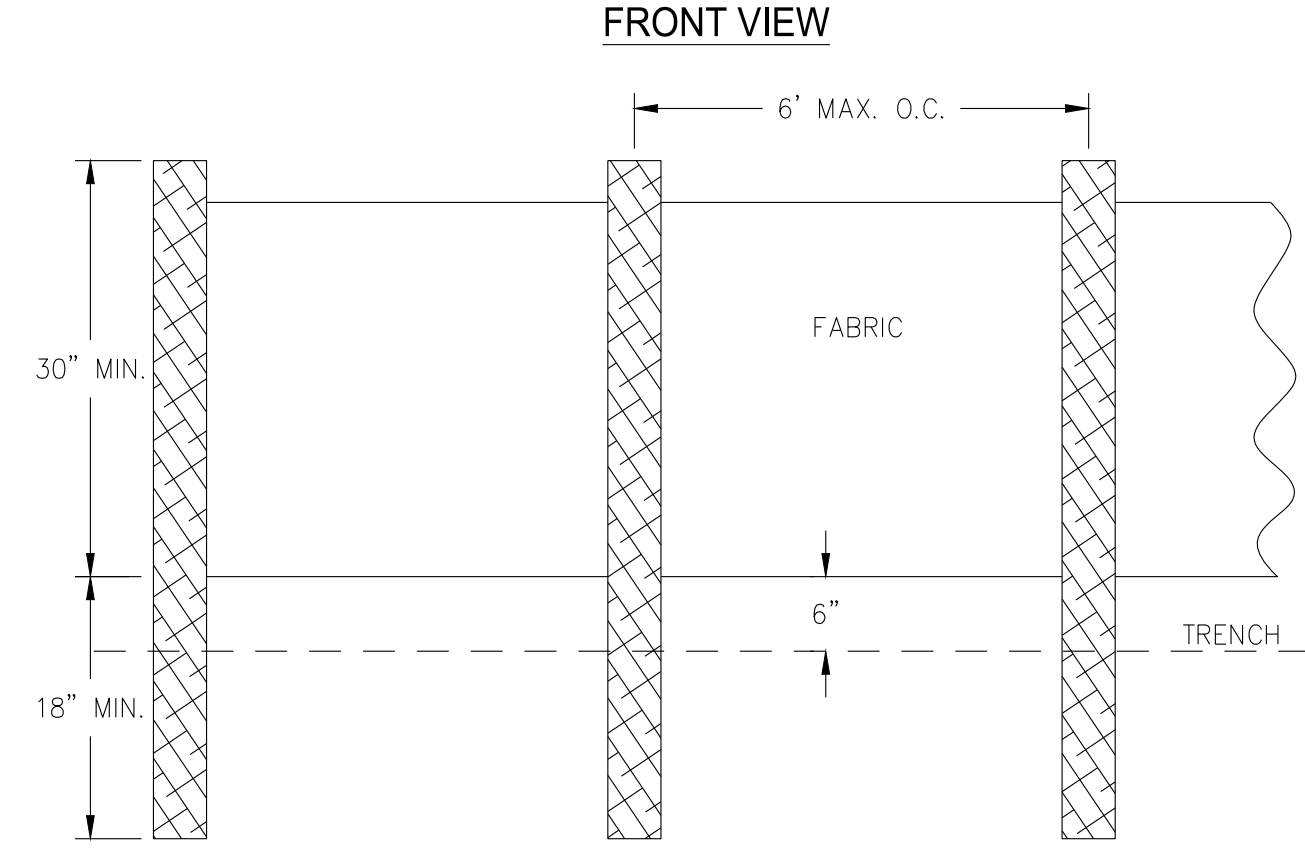
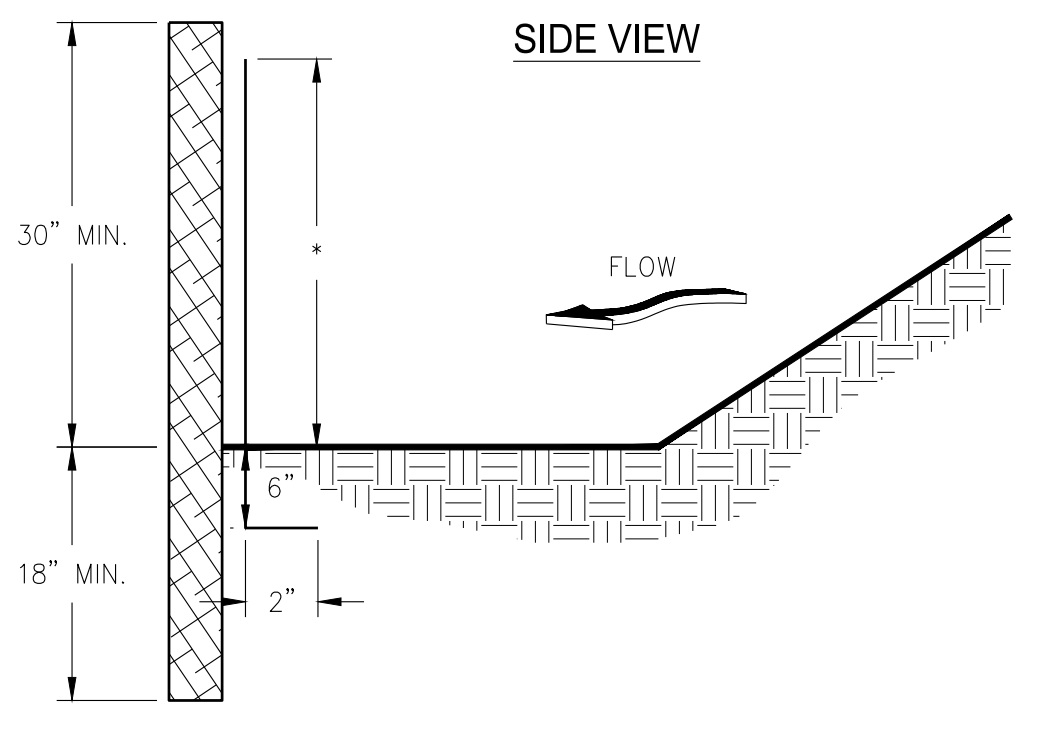
CE101

SHEET 11 OF 15

ORIGINAL SHEET SIZE:
 22" X 34"



SILT FENCE - TYPE NON-SENSITIVE



- NOTES:**
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
 2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

NOTES

1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASH RACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASH RACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

TYPE 'NS' SILT FENCE

C2

NO SCALE

Sd1-NS

MULCHING MATERIAL

1. DRY STRAW OR HAY SHALL BE APPLIED AT A DEPTH OF 2 TO 4 INCHES PROVIDING COMPLETE SOIL COVERAGE.
2. WOOD WASTE (CHIPS, SAWDUST, OR BARK) SHALL BE APPLIED AT A DEPTH OF 2 TO 3 INCHES. ORGANIC MATERIAL FROM THE CLEARING STAGE OF DEVELOPMENT SHOULD REMAIN ON SITE, BE CHIPPED, AND APPLIED AS MULCH.
3. CUTBACK ASPHALT (SLOW CURING) SHALL BE APPLIED AT 1200 GALLONS PER ACRE (OR 1/4 GALLON PER SQ. YD.)
4. POLYETHYLENE FILM SHALL BE SECURED OVER BANKS OR STOCKPILED SOIL MATERIAL FOR TEMPORARY PROTECTION.

APPLYING MULCH

1. DRY STRAW OR HAY MULCH AND WOOD CHIPS SHALL BE APPLIED UNIFORMLY BY HAND OR BY MECHANICAL EQUIPMENT.
2. IF THE AREA WILL EVENTUALLY BE COVERED WITH PERENNIAL VEGETATION, 20-30 POUNDS OF NITROGEN PER ACRE IN ADDITION TO THE NORMAL AMOUNT SHALL BE APPLIED TO OFFSET THE UPTAKE OF NITROGEN CAUSED BY DECOMPOSITION OF THE ORGANIC MULCHES.
3. CUTBACK ASPHALT SHALL BE APPLIED UNIFORMLY, AS SHOWN IN TABLE 1, BY HAND OR MECHANICAL EQUIPMENT, AND ANCHOR BY PRESSING INTO SOIL OR USING NETTING.
4. MULCH ON SLOPES GREATER THAN 3% SHOULD BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE AE-5 OR SS-1) OR OTHER SUITABLE TACKIFIER.
5. WOOD WASTE ON SLOPES FLATTER THAN 3:1 DO NOT NEED ANCHORING.
7. MULCH SHALL BE APPLIED TO ALL DISTURBED AREAS LEFT INACTIVE FOR FOURTEEN DAYS.

ANCHORING MULCH

1. STRAW OR HAY MULCH CAN BE PRESSED INTO THE SOIL WITH A DISK HARROW WITH THE DISK SET STRAIGHT OR WITH A SPECIAL "PACKER DISK." DISKS MAY BE USED SMOOTH OR SERRATED AND SHOULD BE 20 INCHES APART. THE EDGES OF THE DISK SHOULD BE DULL ENOUGH NOT TO CUT THE MULCH BUT TO PRESS IT INTO THE SOIL LEAVING MUCH OF IT IN AN UPRIGHT POSITION. STRAW OR HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION.
2. NETTING OF THE APPROPRIATE SIZE SHALL BE USED TO ANCHOR WOOD WASTE. OPENING OF THE NETTING SHALL NOT BE LARGER THAN THE AVERAGE SIZE OF THE WOOD WASTE CHIPS.
3. POLYETHYLENE FILM SHALL BE ANCHOR TRENCHED AT THE TOP AS WELL AS INCREMENTALLY AS NECESSARY.

STRAW OR HAY MULCH SPREAD WITH SPECIAL BLOWER-TYPE EQUIPMENT MAY BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE AE-5 OR SS-1). THE ASPHALT EMULSION SHALL BE SPRAYED ONTO THE MULCH AS IT IS EJECTED FROM THE MACHINE. USE 100 GALLONS OF EMULSIFIED ASPHALT AND 100 GALLONS OF WATER PER TON OF MULCH. TACKIFIERS AND BINDERS CAN BE SUBSTITUTED FOR EMULSIFIED ASPHALT. PLEASE REFER TO SPECIFICATION T6 - TACKIFIERS AND BINDERS. PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH BY ONE INCH SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

TABLE 1. Mulching Application Requirements

MATERIAL	RATE	DEPTH
Straw or hay	-	2" to 4"
Wood waste, chips, sawdust, bark	-	2" to 3"
Cutback asphalt	1200 gal./acre, 1/4 gal./sq. yd./ or see manufacturer's recommendations	-
Polyethylene film	Secure with soil, anchors, weights	-
Geotextiles, jute matting, netting, etc.	See manufacturer's recommendations	-

INSTALLATION NOTES:

1. INSTALL ALL OTHER REQUIRED BMPs FIRST.
2. GRADE SITE, IF POSSIBLE, TO PERMIT THE USE OF EQUIPMENT FOR APPLYING AND ANCHORING MULCH.
3. LOOSEN COMPACTED SOIL, IF POSSIBLE, TO A DEPTH OF 3 INCHES.
4. APPLY STRAW OR HAY UNIFORMLY, AS SHOWN IN TABLE 1, BY HAND OR MECHANICAL EQUIPMENT, AND ANCHOR BY PRESSING INTO SOIL OR USING NETTING.
5. MULCH ON SLOPES GREATER THAN 3% SHOULD BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE AE-5 OR SS-1) OR OTHER SUITABLE TACKIFIER.
6. WOOD WASTE ON SLOPES FLATTER THAN 3:1 DO NOT NEED ANCHORING.
7. MULCH SHALL BE APPLIED TO ALL DISTURBED AREAS LEFT INACTIVE FOR FOURTEEN DAYS.

MAINTENANCE NOTES:

1. ADD MULCH AS NEEDED TO MAINTAIN THE SUGGESTED DEPTH.
2. IF ORGANIC MULCH IS TO BE LEFT AND INCORPORATED INTO THE SOIL, APPLY 20-30 POUNDS OF NITROGEN IN ADDITION TO THE FERTILIZER REQUIRED FOR VEGETATION.

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 Georgia 30092
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EOR/AOR SEAL
 GEORGIA REGISTERED PROFESSIONAL ENGINEER
 No. 27428
 DAVID M. MORGAN
 12/2/2022
 CLIENT INFORMATION

FAYETTE COUNTY
 140 STONEWALL AVE W, STE 203
 FAYETTEVILLE, GA. 30214

PROJECT NAME
**HERITAGE WAY
 CULVERT
 REPLACEMENT**

FAYETTE COUNTY, GA

DRAWING ISSUE

DATE	DESCRIPTION	MARK
12/01/2022	100% DESIGN PLANS	

DESIGNED BY: MDW
 DRAWN BY: MDW
 CHECKED BY: DMM/MDM
 SUBMITTED BY: DMM
 DATE: SEPTEMBER 1, 2022
 PROJECT # 1210490

SHEET TITLE

**EROSION
 CONTROL
 DETAILS**

SHEET NUMBER

CE501

SHEET 13 OF 15

ORIGINAL SHEET SIZE: 22" X 34"

CONSTRUCTION ENTRANCE

C1

NO SCALE

Co

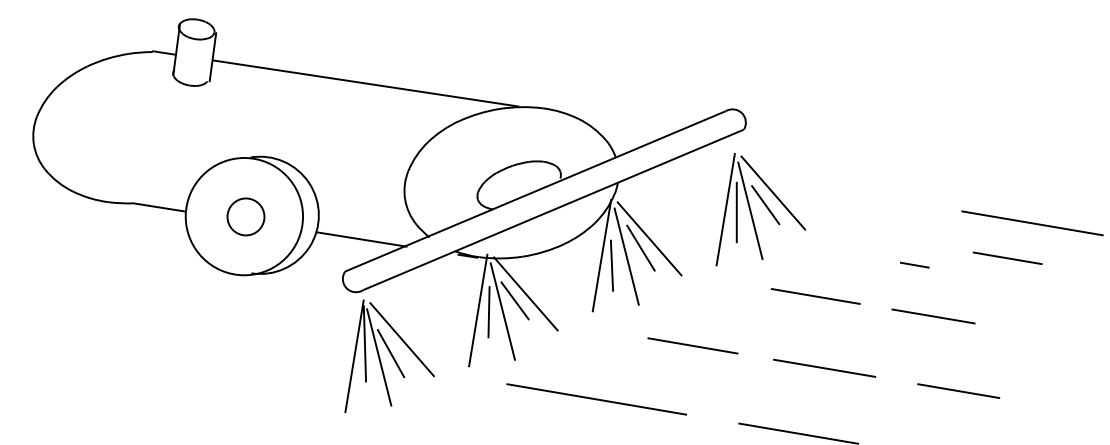
METHODS AND MATERIALS

A. TEMPORARY METHODS

- MULCHES**
 SEE MULCHING. SYNTHETIC RESINS MAY BE USED INSTEAD OF ASPHALT TO BIND MULCH MATERIAL.
- VEGETATIVE COVER**
 SEE TEMPORARY SEEDING.
- SPRAY-ON ADHESIVES**
 THESE ARE USED ON MINERAL SOILS. KEEP TRAFFIC OFF THESE AREAS.
- SPRINKLING**
 THE SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED. THIS METHOD IS ESPECIALLY EFFECTIVE ON HAUL ROADS AND OTHER TRAFFIC ROUTES.
- BARRIERS**
 SOLID BOARD FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 15 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING WIND EROSION.

B. PERMANENT METHODS

- PERMANENT VEGETATION**
 SEE STANDARD FOR PERMANENT SEEDING, AND PERMANENT STABILIZATION WITH SOD. EXISTING TREES AND LARGE SHRUBS MAY AFFORD VALUABLE PROTECTION IF LEFT IN PLACE.
- TOPSOILING**
 THIS ENTAILS COVERING THE SURFACE WITH LESS EROSION SOIL MATERIAL. SEE TOPSOILING.
- STONE**
 COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.



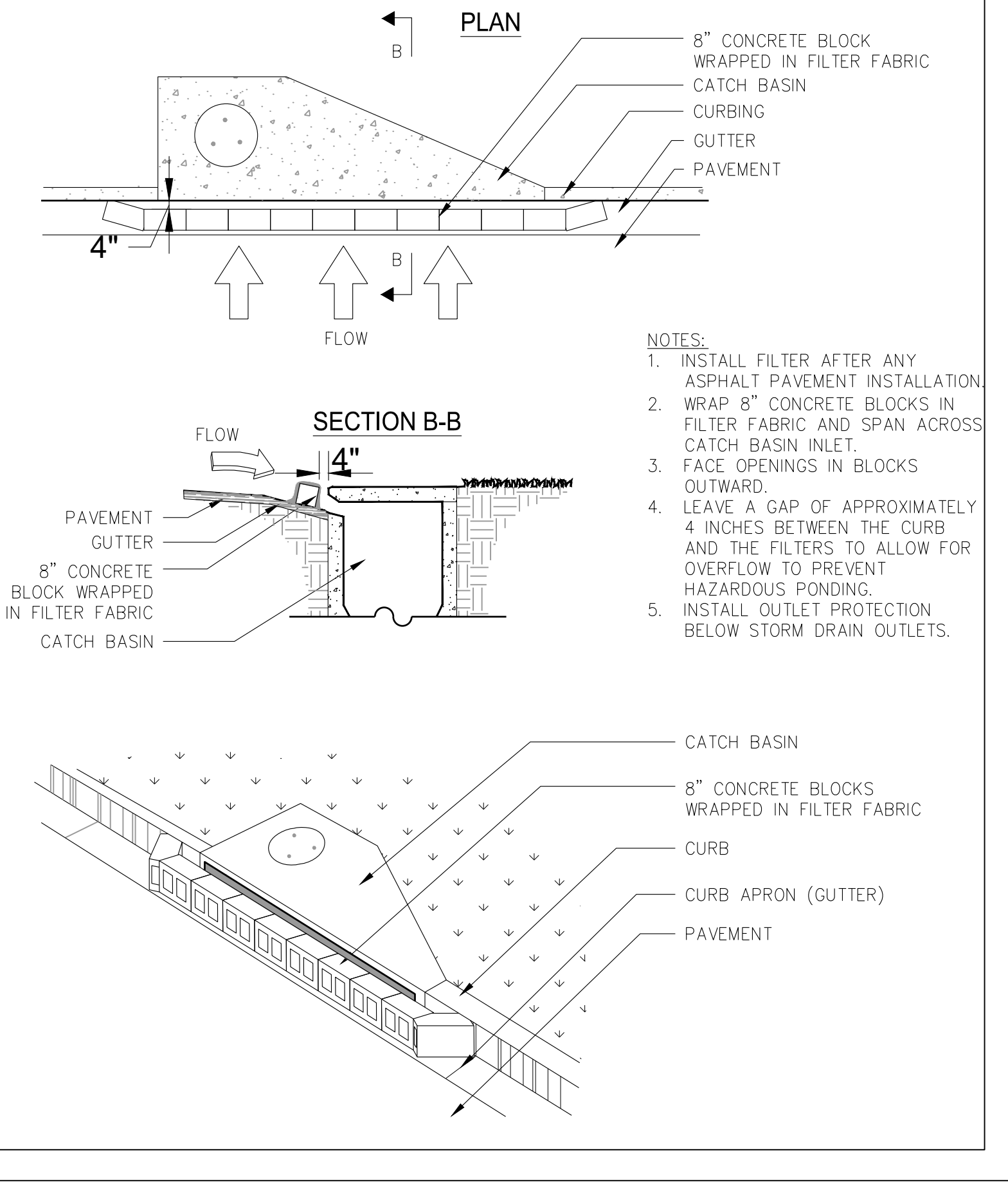
DUST CONTROL

A1

NO SCALE

Du

CURB INLET FILTER "PIGS IN BLANKET"



NOTES:

1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
3. FACE OPENINGS IN BLOCKS OUTWARD.
4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.

CURB INLET FILTER

A2

NO SCALE

Sd2-P

DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

A4

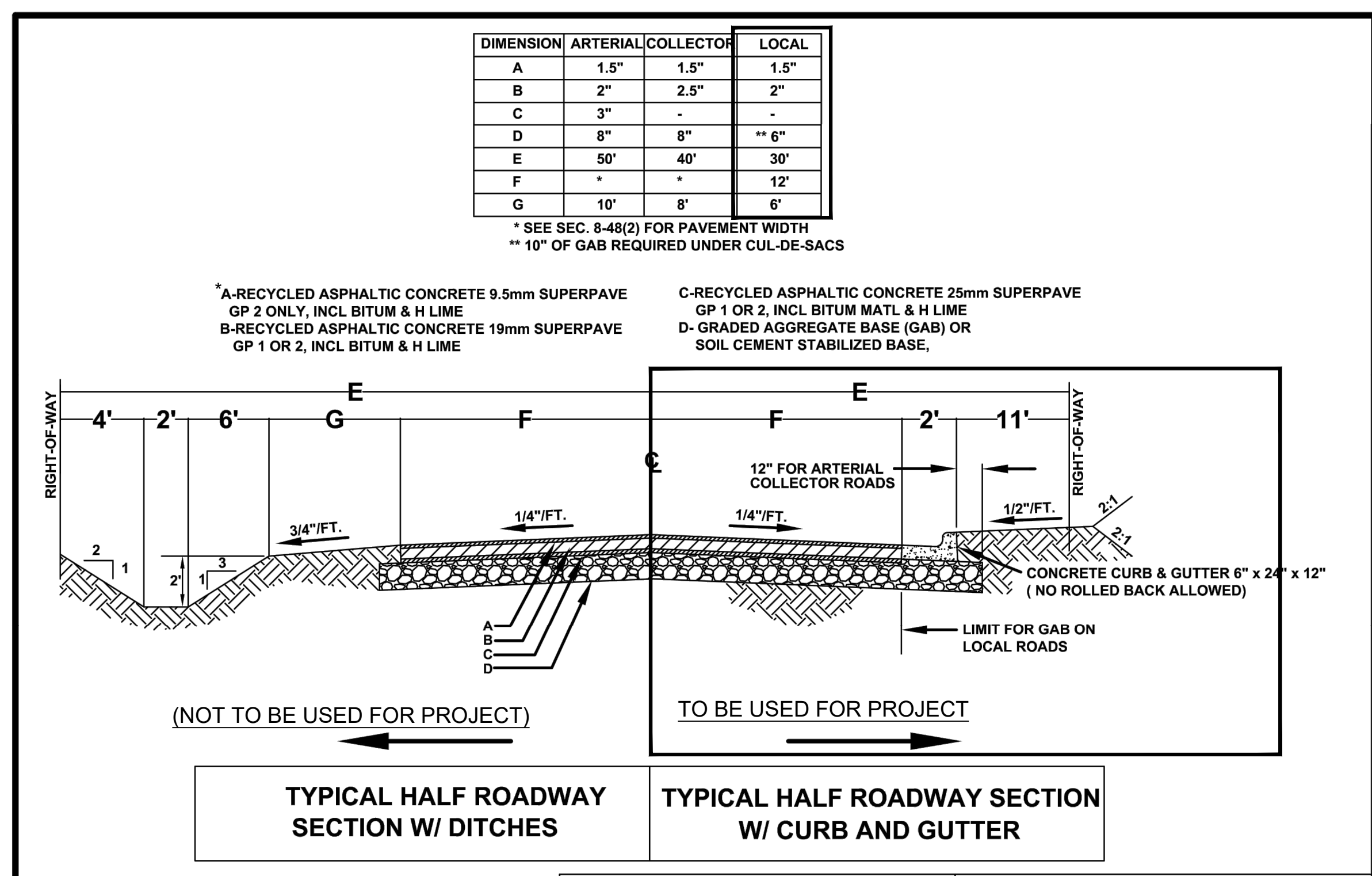
NO SCALE

Ds1

DESIGN PROFESSIONAL:
 SUNGTAEK KIM, P.E.
 LEVEL II CERTIFICATION
 No.: 075614
 EXPIRES : 02/26/2022



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FAYETTE COUNTY, GEORGIA
 ENGINEERING DEPARTMENT
 TELEPHONE: 770.460.5730 EXT. 5410
 WEBSITE: www.fayettecountyga.gov

**FAYETTE COUNTY
 TYPICAL ROAD CROSS
 SECTION**
 FIGURE 8-49(4)

NO.	DATE	BY	REVISIONS	DRAWN BY:	SCALE:	DATE:
01	02/2017	JLR	ASPHALT	JJG	NTS	SEPTEMBER 27, 2006 REVISED 2017

C3 FAYETTE COUNTY TYPICAL ROAD CROSS SECTION & PAVEMENT
 SCALE: N.T.S.

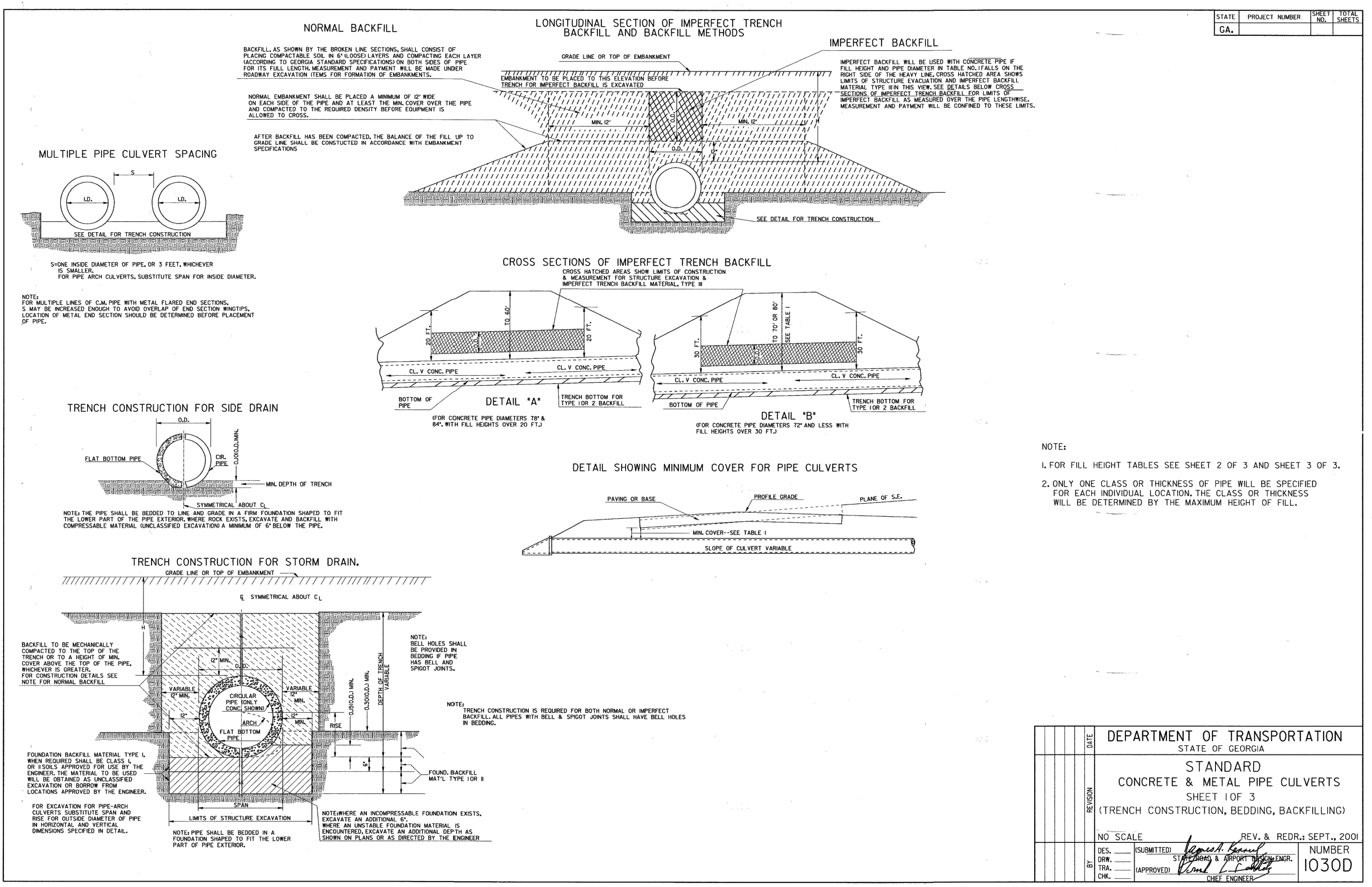
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 SHEET TITLE

**CONSTRUCTION
 DETAILS**

SHEET NUMBER
C-501
 SHEET 15 OF 15
 ORIGINAL SHEET SIZE:
 22" X 34"



A1 GDOT CONCRETE & METAL PIPE CULVERTS STANDARD
 NO SCALE

DATE	REVISION

DEPARTMENT OF TRANSPORTATION
 STATE OF GEORGIA
**STANDARD
 CONCRETE & METAL PIPE CULVERTS**
 SHEET 10F 3
 (TRENCH CONSTRUCTION, BEDDING, BACKFILLING)

NO SCALE REV. & REDR.: SEPT., 2001
 NUMBER 1030D

DES. SUBMITTED: *[Signature]*
 DRN. ST. *[Signature]*
 TRAC. ST. *[Signature]*
 CH. APPROVED: *[Signature]* DIST. ENGINEER

FILE PATH: X:\FY21\1210490\04 CAD_BIM\04_02 CAD\C-501 PLOTTED BY: MURRAY, DANIELLE DATE: 12/1/22