

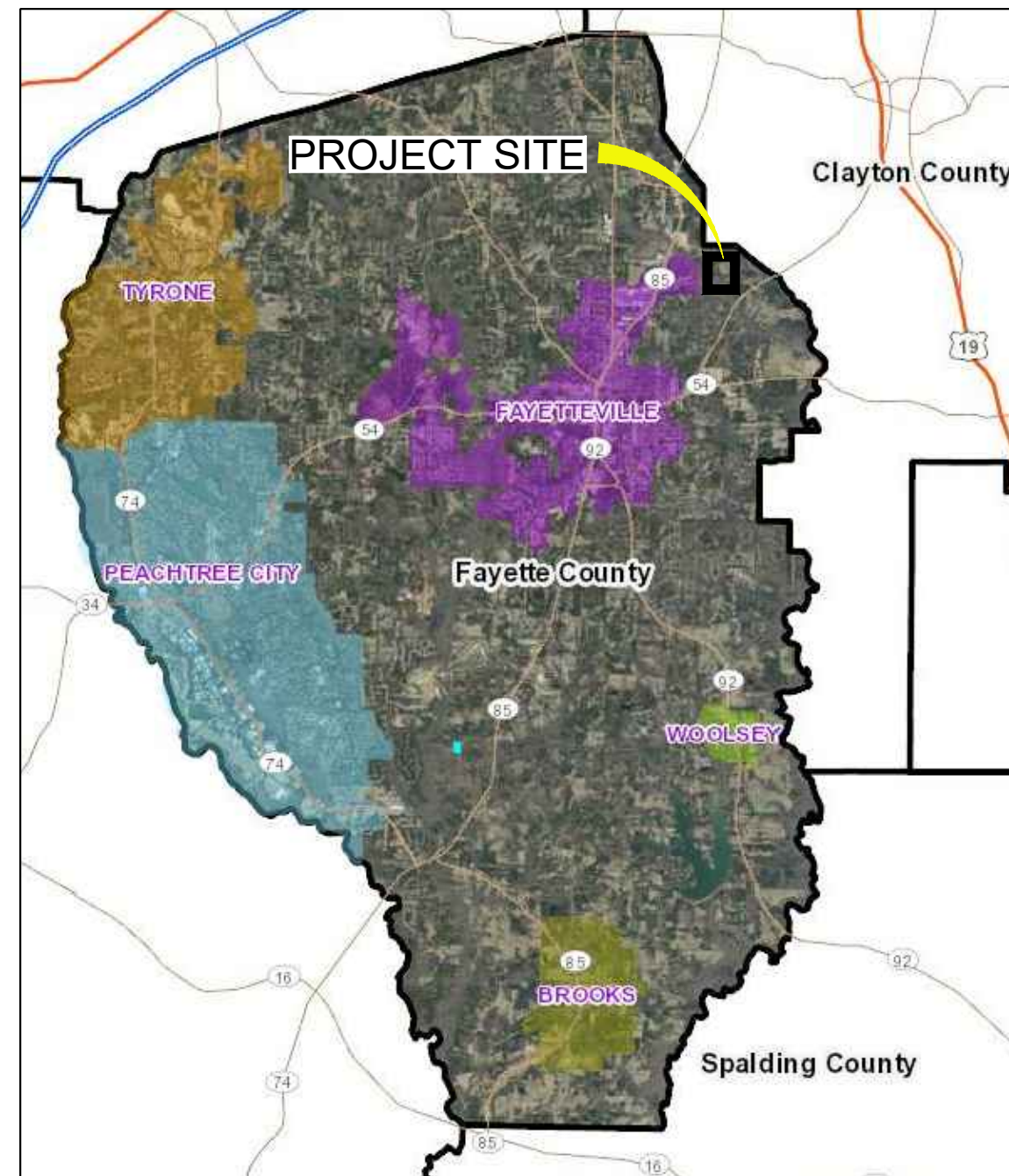
CIVIL CONSTRUCTION DOCUMENTS FOR FAYETTE COUNTY CEDAR TRAIL- CULVERT REPLACEMENT

LAND LOT 194, 4TH DISTRICT, FAYETTE COUNTY, GA.

OCTOBER 15, 2021

100% SUBMITTAL

FAYETTE COUNTY PROJECT NUMBER: 19SBI



VICINITY MAP
SCALE: NTS



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, PE MorganD@pondco.com	POND AND COMPANY 3500 PARKWAY LANE SUITE 500 PEACHTREE CORNERS, GA 30092 PHONE (678) 336-7740 FAX (678) 336-7744 WEB: www.pondco.com
CIVIL ENGINEER: SUNGTAEK KIM, PE	

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 THE REMOVAL OF THE EXISTING DETERIORATED 48-INCH DIAMETER CMP CULVERT CROSSING CEDAR TRAIL AND REPLACING IT WITH A 40-FOOT LONG, 48-INCH DIAMETER RCP STRUCTURE.

PROJECT INFORMATION:

DISTURBED AREA:
0.13 ACRES

IMPERVIOUS SURFACE AREA:
0.04 ACRES

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

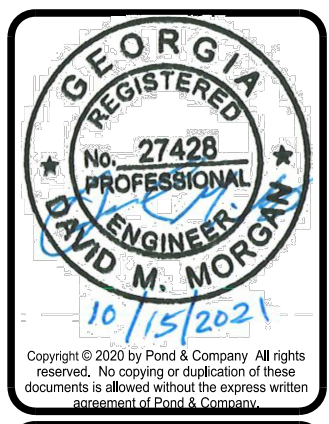
Sheet Number	Sheet Title
G-000	CIVIL COVER SHEET
C-001	LEGEND AND ABBREVIATIONS
C-002	CIVIL NOTES
V-001	TOPOGRAPHIC SURVEY (BY OTHERS)
CD-101	CIVIL SITE DEMOLITION PLAN
CS-100	ENVIRONMENTAL RESOURCES SITE PLAN
CS-101	CIVIL SITE PLAN
CG-101	CIVIL GRADING AND DRAINAGE PLAN
CG-201	GRADING AND DRAINAGE PROFILES
C-501	CONSTRUCTION DETAILS
C-502	CONSTRUCTION DETAILS
CE-001	EROSION AND SEDIMENT CONTROL NOTES AND LEGENDS
CE-002	EROSION AND SEDIMENT CONTROL NOTES AND LEGENDS
CE-003	EROSION AND SEDIMENT CONTROL NOTES AND LEGENDS
CE-101	EROSION AND SEDIMENT CONTROL PLAN - INITIAL
CE-201	EROSION AND SEDIMENT CONTROL PLAN - FINAL
CE-501	EROSION AND SEDIMENT CONTROL DETAILS
CE-502	EROSION AND SEDIMENT CONTROL DETAILS
CE-503	EROSION AND SEDIMENT CONTROL DETAILS
CE-504	EROSION AND SEDIMENT CONTROL DETAILS
E-101	EASEMENT EXHIBIT A

WATER LINE UTILITY RELOCATION
TO BE COORDINATED WITH
FAYETTE COUNTY WATER SYSTEM

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



Know what's below.
Call before you dig.
Dial 811
Or Call 800-282-7411



MARK	COUNTY COMMENTS	DATE	APPR.
1		08/07/2020	

FAYETTE COUNTY
 140 STONEWALL AVE. W., SUITE 203,
 FAYETTEVILLE, GA. 30214
POND
 3500 PARKWAY LANE, SUITE 500
 PEACHTREE CORNERS, GA. 30092
 Phone (678) 336-7740
 POND@PONDENGINEERING.COM

**CEDAR TRAIL
 CULVERT REPLACEMENT**
 FAYETTE COUNTY, GA. 30214
CIVIL COVER SHEET

SHEET
 IDENTIFICATION
G-000

FILE NAME: X:\FY19\1503691\002 - Cedar Trail 223 Culvert Replacement\04_CAD_BIM\04.02_CAD\G-000.dwg PLOTTED: Friday, October 15, 2021

ABBREVIATIONS

A	AAP	ALARM ANNUNCIATOR PANEL AUTOMATIC	E	EAST	LEN	LEN LENGTH (FOOT(S))	RPM	REVOLUTIONS PER MINUTE
A	AARV	AIR RELEASE VALVE AUTOMATIC	EA	EACH	LB	POUNDS	RR	RAILROAD
A	AAV	AIR VENT	ECC	ECCENTRIC	LF	LINEAR FEET	RT	RIGHT
A	AB	ANCHOR BOLT	EF	EACH FACE	LP	LIGHT POLE	RVT	RIVETED
A	ABAN	ABANDONED	EFF	EFFLUENT	LS	LIME SLURRY	RW	RAW WATER
A	ABRSV	ABRASIVE	EL	EASEMENT LINE	LSS	LIME STABILIZED SLUDGE	RWW	RAW WASTEWATER
A	ABS	ACRYLONITRILE BUTADIENE STYRENE	ELV	ELEVATION	LVR	LOUVER	R/W	RIGHT-OF-WAY
A	ABV	ABOVE	ELAST	ELASTOMERIC	M	METER	S	SOUTH
A	AC	ALTERNATING CURRENT	ELC	ELECTRICAL	MAN	MANUAL(LY)	SA	SAMPLE LINE
A	ACCOMP	ASPHALT-COATED CORRUGATED METAL PIPE	EMER	EMERGENCY	MAS	MASONRY	SAN	SANITARY
D	ACP	ASBESTOS CEMENT PIPE	EMC	ENCASE(MENT)	MATL	MATERIAL	SCHED	SCHEDULE
D	ADDM	ADDENDUM	ENGR	ENGINEER	MAX	MAXIMUM	SD	STORM DRAIN
D	ADH	ADHESIVE	EPDM	EDGE OF PAVEMENT	MCC	MOTOR CONTROL CENTER	SE	SOUTHEAST
D	AFF	ABOVE FINISHED FLOOR	EPDF	ETHYLENE PROPYLENE DIENE MONOMER	ME	MITERED END	SECT	SECTION
D	AFG	ABOVE FINISHED GRADE	EQUIP	EQUIPMENT	MEG	MATCH EXISTING GRADE	SEFF	SECONDARY EFFLUENT
D	AFS	ABOVE FINISHED SLAB	ER	ECCENTRIC REDUCER	MFR	MANUFACTURE(R)	SFT	SQUARE FOOT OR FEET
D	AHD	AHEAD	ESTM	EASEMENT	MECH	MECHANICAL	SHT	SHEET(ED)(ING)
D	AL	ALUMINUM	EST	ESTIMATE(D)	MEG	MILLION GALLONS	SIG	SIGNAL
D	ALT	ALTERNATE	EW	EACH WAY	MG	MILLION GALLONS PER DAY	SIM	SIMILAR
D	AMP	AMPERE	EXC	EXCAVATE	MGD	MILLION GALLONS PER DAY	SL	SLUDGE
D	AMT	AMOUNT	EXF	EXPANSION	MH	MANHOLE	SLV	SLEEVE
D	APRX	APPROXIMATE(LY)	EXST	EXISTING	MI	MILE(S)	SM	SHEET METAL
D	ARCH	ARCHITECTURE	EXST	EXISTING GRADE	MIN	MINIMUM, MINUTE(S)	SOLN	SOLUTION
D	AS	ALUM SOLUTION	EXT	EXTENSION	MISC	MISCELLANEOUS	SP	SOIL PIPE SPACE(ING)
D	ASPH	ASPHALT	EXTN	EXTENSION	MJ	MECHANICAL JOINT	SPEC	SPECIFICATION
D	ASSY	ASSEMBLY	F	FABRICATE(D)	ML	MIXED LIQUOR	SPRT	SUPPORT
D	AVE	AVENUE	FCA	FLANGED COUPLING ADAPTER	MO	MASONRY OPENING	SQ	SQUARE
D	A/C	AIR CONDITIONING	FB	FLAT BAR	MON	MONUMENT	SS	SANITARY SEWER
D	AVV	AIR/VACUUM AIR VALVE	FCV	FLOW-CONTROL VALVE	MSP	MOTOR STARTER	SSE	SUBSTANDARD EFFLUENT
B	BAF	BAFFLE	FD	FLOOR DRAIN	MPT	MALE PIPE THREAD	SSST	STAINLESS STEEL
B	BCV	BALL CHECK VALVE	FDN	FOUNDATION	MS	MOTOR STARTER	ST	STREET
B	BF	BLIND FLANGE	FE	FILTER(ED) EFFLUENT	MSP	MOTOR STARTER PANEL	STA	STATION
B	BFV	BUTTERFLY VALVE	FHY	FIRE HYDRANT	MTD	MOUNTED	STD	STANDARD
B	BHP	BRAKE HORSEPOWER	FIG	FIGURE	MV	MOTORIZED VALVE	STK	STAKE
B	BI	BLACK IRON	FIN	FINISHED	MW	MEAN WATER LEVEL	STL	STEEL
B	BITUM	BITUMINOUS OR BITUMASTIC	FIN/FLR	FINISH FLOOR	MWL	MAXIMUM WORKING PRESSURE	STR	STRAIGHT
B	B/L	BASELINE	FIN/GR	FINISH GRADE	N	NORTH	STRUCT	STRUCTURAL
B	BLDG	BUILDING	FL	FLUORIDE	NaOCI	SODIUM HYPOCHLORITE	SURF	SURFACE
B	BLK	BLOCK	FLG	FLANGE(D)	NE	NORTHEAST	SV	SOLENOID VALVE
B	BM	BENCH MARK	FLL	FLOW LINE	NE	NORTHWEST	SVCE	SERVICE
B	BOC	BACK OF CURB	FLTR	FILTER	N	NORTH	SW	SERVICE WATER
B	BOT	BOTTOM	FM	FORCE MAIN	NOC	NORTHWEST	SWD	SOUTHWEST
B	BP	BEARING	FPM	FEET PER MINUTE	NO	NOT IN CONTRACT	SWD	SIDEWATER DEPTH
B	BRG	BEARING	FPS	FEET PER SECOND	NOM	NOMINAL	SWSH	SURFACE WASH
B	BSP	BLACK STEEL PIPE	FRP	FIBERGLASS REINFORCED PLASTIC	NPT	NATIONAL PIPE THREAD	SYM	SYMBOL
B	BV	BALL VALVE	FT	FOOT OR FEET	NPS	NON-POTABLE WATER	SYM	SYMMETRICAL
B	BW	BOTH WAYS	FUT	FUTURE	NPS	NON-RISING SYSTEM	SYM	SYMMETRICAL
B	BWW	BACKWASH WATER	FW	FACTORY WIRE	NW	NOT TO SCALE	SW	SIDEWALK
C	CAP	CAPACITY	F/F	FACE TO FACE	NIA	NOT APPLICABLE	SW	SIDEWALK
C	CA	COMPRESSED AIR	G	GAUGE	O	OXYGEN	TAN TB	TANGENT TOP OF BEAM
C	CAV	COMBINATION AIR VALVE	GAL	GALLON(S)	O2	ON CENTER	TBM	TEMPORARY BENCH MARK TEST
C	CB	CATCH BASIN	GALV	GALVANIZED	OD	OUTSIDE DIAMETER	TB-xx	BORING-xx (e.g. TB-1)
C	CCC	CHLORINE CONTACT CHAMBER	GIP	GALVANIZED IRON PIPE	ODP	OPEN DRIP PROOF	TD	TRENCH DRAIN
C	CE	CHLORINATED EFFLUENT	GJO	GROOVE JOINT	OF	OUTSIDE FACE	TDH	TOTAL DYNAMIC HEAD
C	CFM	CUBIC FEET PER MINUTE	GND	GROUND	OH	OVER HEAD	TE	TOTALLY ENCLOSED
C	CFS	CUBIC FEET PER SECOND	GPD	GALLONS PER DAY	OHV	OVER HEAD WIRE	TEFC	TOTALLY ENCLOSED FAN COOLED
C	CV	CHECK VALVE	GPH	GALLONS PER HOUR	OPP	OPPOSITE	TEL	TELEPHONE
C	CI	CAST IRON	GPM	GALLONS PER MINUTE	OPT	OPTIONAL	TENV	TOTALLY ENCLOSED NON-VENTILATED
C	CIP	CAST IRON PIPE	GPS	GALLONS PER SECOND	OR	OFFICIAL RECORDS	THD	THREADED
C	CISP	CAST IRON SOIL PIPE	GR	GRATING	OSY	OUTSIDE SCREW AND YOKE OPERATION AND MAINTENANCE	THK	THICKNESS
C	CKT	CIRCUIT	GRTG	GALVANIZED STEEL	OSM	OPERATION AND MAINTENANCE	TLM	TELEMETRY
C	CL	CENTER LINE	GSP	GALVANIZED STEEL PIPE	P	PROCESS AIR	TOB	TOP OF BANK
C	CL2	CHLORINE GAS	GSR	GROUND STORAGE RESERVOIR	PA	POINT OF CURVE	TOC	TOP OF CURB
C	CLF	CHAIN LINK FENCE	GST	GROUND STORAGE TANK	PC	PERMANENT CONTROL MONUMENT PLAIN	TOS	TOE OF SLOPE
C	CLR	CLEAR OR CLEARANCE	GT	GROUT	PCM	PERMANENT CONTROL MONUMENT PLAIN	TOT	TOTAL
C	CLVT	CULVERT	GV	GATE VALVE	PE	END	TPF	TELEPHONE POLE
C	CMP	CORRUGATED METAL PIPE	H	HOSE BIBB	PG	PLATE	TP	THICKENED SLUDGE
C	CMPA	CORRUGATED METAL PIPE ARCH	HD	HEAVY-DUTY	PL	PROPERTY LINE	TS	TELEVISION
C	CMU	CONCRETE MASONRY UNIT	HDPE	HIGH-DENSITY POLYETHYLENE	PL	PROPERTY LINE	TYP	TYPICAL
C	CND	CONDUIT	HDR	HYDRAULIC	PNV	PINCH VALVE	T&B	TOP AND BOTTOM
C	CNR	CORNER	HFA	HYDROFLUOSILICIC ACID	POB	POINT OF BEGINNING	U	UNDERDRAIN
C	CO	CLEAN OUT	HGR	HANGER	POJ	PUSH-ON JOINT	UD	UNDERDRAIN
C	CO2	CARBON DIOXIDE	HGT	HEIGHT	POL	POLYMER	UG	UNDERGROUND
C	COAG	COAGULANT	HNDRL	HAND RAIL	PP	POWER POLE	ULT	ULTIMATE
C	COL	COLUMN	HOA	HAND-OFF-AUTO	PPD	POUNDS PER DAY	UN	UNION
C	COM	COMMON	HORIZ	HORIZONTAL	PPM	PARTS PER MILLION	UON	UNLESS OTHERWISE NOTED
C	CONC	CONCRETE	HPA	HIGH PRESSURE AIR	PREFAB	PREFABRICATED	UGE	UNDERGROUND ELECTRIC
C	CONN	CONNECTION	HR	HOUR	PRESS	PRESSURE	UTC	UNDERGROUND TELEPHONE CABLE
C	CONSTR	CONSTRUCTION	HVA	HEATING, VENTILATION, AND AIR CONDITIONING	PRV	PRESSURE REDUCING VALVE	UTIL	UTILITY
C	CONTR	CONTRACT(OR)	HWC	HIGH WATER LEVEL	PSI	POUNDS PER SQUARE FOOT	V	VOLT(S)
C	COORD	COORDINATE	HWH	HIGHWAY	PSIG	POUNDS PER SQUARE INCH ABSOLUTE	V	VACUUM
C	CO	COMPANY	HZ	HERTZ	PT	TANGENCY	V	VARIES
C	CP	CONCRETE PIPE	I	INSIDE DIAMETER	PV	PLUG VALVE	VAR	VERTICAL CURVE
C	CPA	CONCRETE PIPE ARCH	ID	INSIDE DIAMETER	PWM	POLYVINYL CHLORIDE	VC	VITRIFIED CLAY PIPE
C	CPLG	COUPLING	IN	INCH(ES)	PWR	PAVEMENT	VEL	VELOCITY
C	CPVC	CHLORINATED POLYVINYL CHLORIDE	INF	INFLUENT	PWR	POTABLE WATER	VERT	VERTICAL
C	CR	CONCENTRIC REDUCER	INT	INTERSECTION	Q	FLOW QUANTITY	VFD	VARIABLE FREQUENCY DRIVE
C	CS	CHLORINE SOLUTION	INTR	INTERIOR	QTY	QUANTITY	VOL	VOLUME
C	CSG	CASING	INV	INVERT	R	RADIUS	W	WATT, WEST
C	CTV	CABLE TELEVISION	IP	IRON PIPE	RAD	RADIUS	W	WASTE ACTIVATED SLUDGE WALL
C	CYL	CUBIC YARD	IPS	INTERNATIONAL PIPE STANDARD	RAS	RETURN ACTIVATED SLUDGE	WCO	CLEAN OUT
C	C&G	CURB AND GUTTER	IR	INTERNAL RECYCLE	RC	REINFORCED CONCRETE	WF	WIDE FLANGE
C	C/C	CENTER TO CENTER	IW	IRRIGATION WATER	RCB	REINFORCED CONCRETE BOX	WH	WALL HYDRANT
D	D	DATUM	J	JUNCTION BOX	RCP	REINFORCED CONCRETE PIPE	WL	WATER LINE
D	DBL	DOUBLE	JB	JUNCTION BOX	RCPA	REINFORCED CONCRETE PIPE ARCH	WM	WATER MAIN
D	DC	DIRECT CURRENT	JT	JOINT	RD	ROAD	WP	WATER PROOF(ING),WORKING POINT
D	DEMO	DEMOLITION	K	KIP (1,000 LB)	RDR	REDUCER	WPR	WORKING PRESSURE
D	DEPT	DEPARTMENT	KPL	KICK PLATE	REBAR	REBAR REINFORCING STEEL REF	WS	WATER SURFACE
D	DESC	DESCRIPTION	KV	KILOVOLT	REF	REFERENCE	WSP	WELDED STEEL PIPE
D	DET	DETAIL	KVA	KILOVOLT-AMPERE	REF	REFERENCE	WT	WATER TREATMENT PLANT
D	DF	DIESEL FUEL	KW	KILOWATT	REF	REFERENCE	WTP	WASH WATER
D	DI	DUCTILE IRON	KWH	KILOWATT-HOUR	REF	REFERENCE	WW	WELDED WIRE FABRIC
D	DIA	DIAMETER	L	LEFT	RFB	REBAR REINFORCING STEEL REF	WWM	WELDED WIRE MESH
D	DIFF	DIFFUSER	LAB	LABORATORY	REF	REFERENCE	WWT	WASTEWATER TREATMENT PLANT
D	DIM	DIMENSION	LAM	LAMINATE OR LAMINATION	REF	REFERENCE	W/	WITH
D	DIP	DUCTILE IRON PIPE	LATL	LATERAL	REF	REFERENCE	W/O	WITHOUT
D	DISCH	DISCHARGE	LAV	LAVATORY	REF	REFERENCE	X XFER	TRANSFER
D	DIR	DIRECTION			REIN	REINFORCE(D)(ING)(MENT)	Y	YD YARD(S)
D	DNH	DROP MANHOLE			REMO	REMOVE(ABLE)	YD	YARD HYDRANT
D	DN	DOWN			REQD	REQUIRED	YR	YEAR(S)
D	DR	DRAIN			RJ	RESTRAINED JOINT		
D	DV	DIAPHRAGM VALVE			RM	ROOM		
D	DW	DRIVEWAY			RPP	REDUCED PRESSURE BACKFLOW PREVENTER		
D	DWG	DRAWING						
D	DWW	DRAIN, WASTE, AND VENT						

CIVIL LEGEND

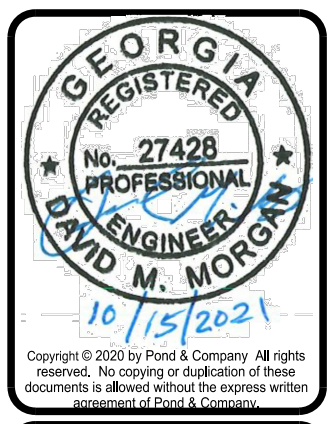
PROPOSED ITEM	DESCRIPTION
+ 267.54	SPOT ELEVATION
---CL---CL---	CONSTRUCTION LIMITS
—W—W—	DOMESTIC WATER
—FW—FW—	FIRE WATER
	VALVE
	FIRE HYDRANT
—SS—SS—	SANITARY SEWER
	SANITARY SEWER MANHOLE
	SANITARY SEWER CLEANOUT
	STORM DRAIN
	DROP INLET
	HEADWALL
— x — x —	FENCE
— 40 —	PROPOSED CONTOUR MAJOR
— 42 —	PROPOSED CONTOUR MINOR
	NORTH ARROW
— TPF —	TREE PROTECTION FENCE
— ?? —	UNKNOWN UTILITY
— E —	EXISTING ELECTRICAL OVERHEAD
— CM —	EXISTING COMMUNICATION LINE OVERHEAD
	GUARD RAIL
	BENCHMARK

HATCHING LEGEND

	CAST-IN-PLACE CONCRETE
	ASPHALT PAVEMENT SURFACE
	RIP RAP OUTLET PROTECTION
	EARTH
	GROUT

REFERENCE SYMBOLS

	DENOTES SECTION LETTER IDENTIFICATION
	DENOTES DRAWING NO WHERE SECTION IS LOCATED
SECTION REFERENCE	
	DENOTES SECTION LETTER IDENTIFICATION
	DENOTES DRAWING NO WHERE SECTION IS LOCATED
SECTION TITLE	
	DENOTES DETAIL NUMBER IDENTIFICATION
	DENOTES DRAWING NO WHERE DETAIL IS LOCATED
DETAIL REFERENCE	
	DENOTES DETAIL NUMBER IDENTIFICATION
	DENOTES DRAWING NO WHERE DETAIL IS LOCATED
DETAIL TITLE	



DESIGNED BY: MIA	DATE: OCTOBER 15, 2021
DRAWN BY: MDA	SOLICITATION NO.:
SUBMITTED BY: DM	CONTRACT NO.:
FILE NAME: C-001	FILE NUMBER:
SIZE: 22" x 34"	PLOT SCALE:
	PLOT DATE:
	MARK

DESIGNED BY: MIA	DATE: OCTOBER 15, 2021
DRAWN BY: MDA	SOLICITATION NO.:
SUBMITTED BY: DM	CONTRACT NO.:
FILE NAME: C-001	FILE NUMBER:
SIZE: 22" x 34"	PLOT SCALE:
	PLOT DATE:
	MARK

FAYETTE COUNTY
140 STONEMAN AVE W, SUITE 203, FAYETTEVILLE, GA, 30214
POND
5000 Highway 140, Box 500 Fayetteville, GA 30214 Phone: 678.336.7740 FAX: 678.336.7741 POND DESIGNING, INC. 1130900

CEDAR TRAIL
CULVERT REPLACEMENT
FAYETTE COUNTY, GA, 30214
LEGEND AND ABBREVIATIONS

SHEET IDENTIFICATION
C-001

FILE NAME: X:\FY19\1503691\T002 - Cedar Trail\223 Culvert Replacement\04_CAD_BIM\04.02_CAD\C-001.dwg PLOTTED: Friday, October 15, 2021

GENERAL NOTES

- BENCHMARK FOR CONSTRUCTION HAS BEEN PROVIDED ON SHEET V-001.
- 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.
- SHOP DRAWINGS OF ALL MATERIALS BEING USED SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
- ALL MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH THE BY GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS AND FAYETTE COUNTY DEVELOPMENT REGULATIONS, LATEST EDITION, UNLESS OTHERWISE WAIVED.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS WERE TAKEN FROM SURVEY PROVIDED BY: GEOSURVEY, LTD., DATED: FEBRUARY 21, 2019.
- 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.
- 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.
- 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.
- 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.
- NEITHER OWNER NOR ENGINEER ASSUMES ANY RESPONSIBILITY FOR ERRORS OR MISINTERPRETATIONS RESULTING FROM USE OF INCOMPLETE SETS OF BIDDING DOCUMENTS.

DEMOLITION NOTES

- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL REMOVE PAVING MARKED FOR DEMOLITION WHICH INCLUDES ALL ASPHALT, CONCRETE, BASE, AND RETAINING WALLS (INCLUDING THE FOOTERS).
- 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.
- 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.
- 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.
- THE DEMOLITION SHALL BE PHASED TO PROVIDE AT LEAST ONE 12 FOOT LANE OF TRAFFIC AT ALL TIMES.
- CONTRACTOR TO FOLLOW ALL APPLICABLE OSHA STANDARDS FOR ALL EXCAVATIONS.

ESPC NOTES

- AMENDMENT/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.
- 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.
- 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.
- PERMITEE SHALL SUBMIT A SIGNED NOTICE OF TERMINATION (NOT) FORM TO THE GEORGIA DIVISION OF WATER AFTER THE SITE HAS BEEN FINALLY STABILIZED.
- 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.
- 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.
- 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.
- 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.
- 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.
- SILT FENCES, DITCH CHECKS, NON-PERMANENT SEDIMENT TRAPS, AND OTHER TEMPORARY CONTROLS MUST BE REMOVED AFTER VEGETATION IN UPGRADIANT AREAS IS ESTABLISHED AND DITCHES ARE STABLE.
- 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.
- 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.
- APPROVED PLANS AND NPDES DAILY LOG MUST BE ONSITE AT ALL TIMES.

EARTHWORK, GRADING, STABILIZATION, PAVING AND DRAINAGE NOTES

- COMPACT ALL UTILITY TRENCHES WITHIN ROADWAYS TO 98% OF THE MODIFIED PROCTOR MAXIMUM DENSITY (AASHTO T - 180) AND TO 95% WITHIN OTHER AREAS.
- IF ORGANIC SOILS AS ENCOUNTERED BELOW UTILITY TRENCHES, THE ORGANIC SOILS WILL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL AS DIRECTED BY THE ENGINEER. SUITABLE MATERIAL SHALL BE COMPACTED TO NO LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DENSITY (AASHTO T - 180) OR AS SPECIFIED IN THE CONTRACT SPECIFICATIONS.
- STABILIZED SUBGRADE TO MEET SPECIFIED REQUIREMENTS.
- ASPHALTIC CONCRETE TO GDOT STANDARD SPECIFICATION (LATEST EDITION) SECTION 916.1 AND FAYETTE COUNTY, WHICHEVER IS GREATER.
- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.
- ALL CONCRETE FLUMES, WALKS, AND CURBS SHALL BE CONSTRUCTED WITH 3000 PSI CONCRETE.
- 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.
- 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.
- 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.
- 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.
- ALL PIPES SHALL HAVE 3 FEET MINIMUM COVER UNLESS OTHERWISE SPECIFIED IN PLANS, CONTRACTOR SHALL TAKE CARE TO PROVIDE PROPER GRADE ELEVATIONS AND ALIGNMENTS.
- 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.
- 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.
- EXISTING RUNOFF CURVE NUMBER FOR THE PROJECT: 70. PROPOSED RUNOFF CURVE NUMBER FOR THE PROJECT: 70.
- 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

- 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.
- 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:

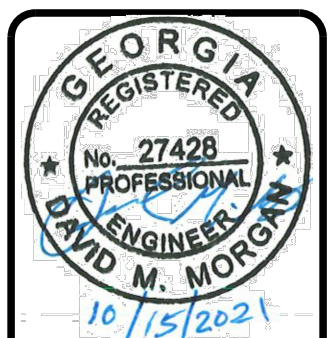
- IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS NOTES OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:
 - MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
 - ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
 - SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF SIZE.
 - 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.
 - THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR.
- 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

- THE CONTRACTOR SHALL SUBMIT A TEMPORARY TRAFFIC CONTROL PLAN TO THE COUNTY FOR APPROVAL PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- ALL REQUIRED TRAFFIC SIGNAGE MUST MEET MUTCD STANDARDS.
- ALL REQUIRED TRAFFIC STRIPING MUST MEET MUTCD AND GDOT PLAN SPECIFICATIONS AND MUST BE THERMO-PLASTIC.
- ALL STRIPING LAYOUTS MUST BE APPROVED BY THE COUNTY TRAFFIC ENGINEER PRIOR TO FINAL APPLICATION.

TYPICAL FAYETTE COUNTY WATER SYSTEM CONSTRUCTION NOTES (SPLOST)

- ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH FAYETTE COUNTY WATER SYSTEM SPECIFICATIONS.
- 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.
- THE CONTRACTOR SHALL NOTIFY THE FAYETTE COUNTY WATER SYSTEM 48 HOURS PRIOR TO CONSTRUCTION TO SCHEDULE A PRE-CONSTRUCTION CONFERENCE.
- THE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE FAYETTE COUNTY WATER SYSTEM BEFORE ANY WORK IS HIDDEN FROM VIEW.
- THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING ALL UTILITIES BEFORE CONSTRUCTION AND VERIFYING THE LOCATION OF ALL UTILITIES SHOWN OR NOT SHOWN.
- 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.
- ALL VALVE BOXES ARE TO HAVE COLLARS AND MARKERS AS REQUIRED BY THE FAYETTE COUNTY WATER SYSTEM DEPARTMENT.
- WATER LINES SHALL HAVE A MINIMUM COVER OF 4 FEET FROM FINISHED GRADE.
- MINIMUM HORIZONTAL DISTANCE BETWEEN WATER LINES AND SEWER SHALL BE 10 FEET AND VERTICAL DISTANCE MINIMUM OF 2 FEET.
- ALL OTHER UNDERGROUND UTILITIES OR STRUCTURES SHALL BE A MINIMUM HORIZONTAL AND VERTICAL DISTANCE OF 2 FEET FROM WATER LINES.
- WATER LINES SHALL BE LOCATED 7'-0" FROM THE BACK OF THE CURB OR PER AS APPROVED UTILITY PLACEMENT DETAIL.
- ALL WATER SERVICES SHALL BE MARKED WITH A SAWED "W" NOTCH PAINTED BLUE ON THE CURB.
- ALL WATER MAIN CROSSING UNDER PAVEMENT SHALL BE DIP IN STEEL CASING AS PER FAYETTE COUNTY WATER SYSTEM SPECIFICATIONS.
- 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.



10/15/2021

MARK	COUNTY COMMENTS	DATE	APPR.
1		08/07/2020	

DESIGNED BY: MIA	DATE: OCTOBER 15, 2021
DWN BY: AND	SOLICITATION NO.:
SUBMITTED BY: DM	CONTRACT NO.:
FILE NAME: C-002	FILE NUMBER:
SIZE: 22" x 34"	PLOT DATE:
	PLOT SCALE:

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

POND
5800 Phony Lane, Suite 500
Fayetteville, GA 30214
Phone: (878) 336-7740
FAX: (878) 336-7740
POND PROJECT NO. 1130900

CEDAR TRAIL
CULVERT REPLACEMENT
FAYETTE COUNTY, GA, 30214

CIVIL NOTES

SHEET IDENTIFICATION
C-002

FILE NAME: X:\FY1\1503691\T002 - Cedar Trail 223 Culvert Replacement\04_CAD_BIM\04_02_CAD\C-001.dwg PLOTTED: Friday, October 15, 2021

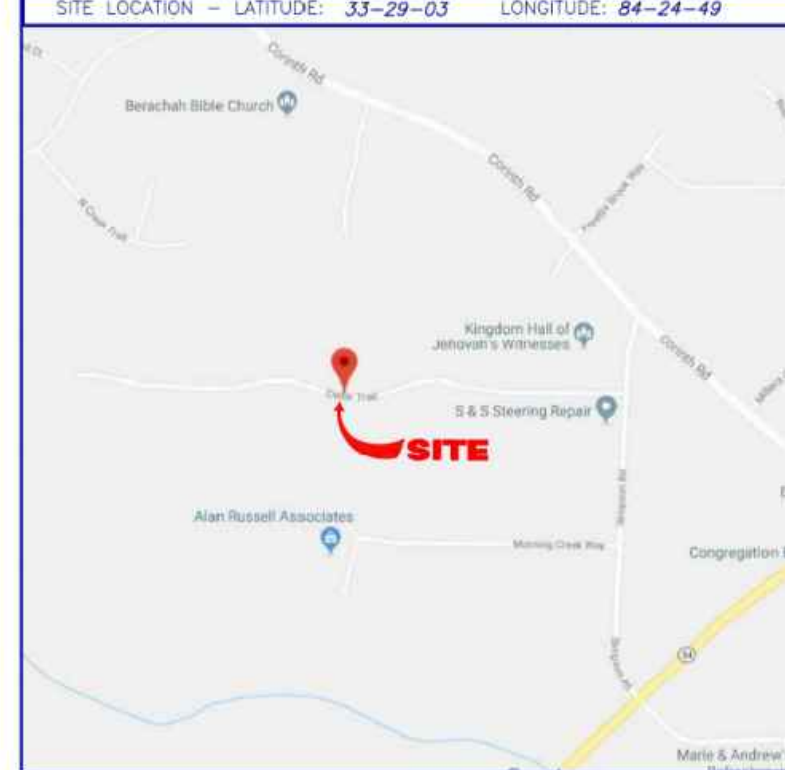
SITE PHOTOGRAPHS



AERIAL IMAGE



VICINITY MAP



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.

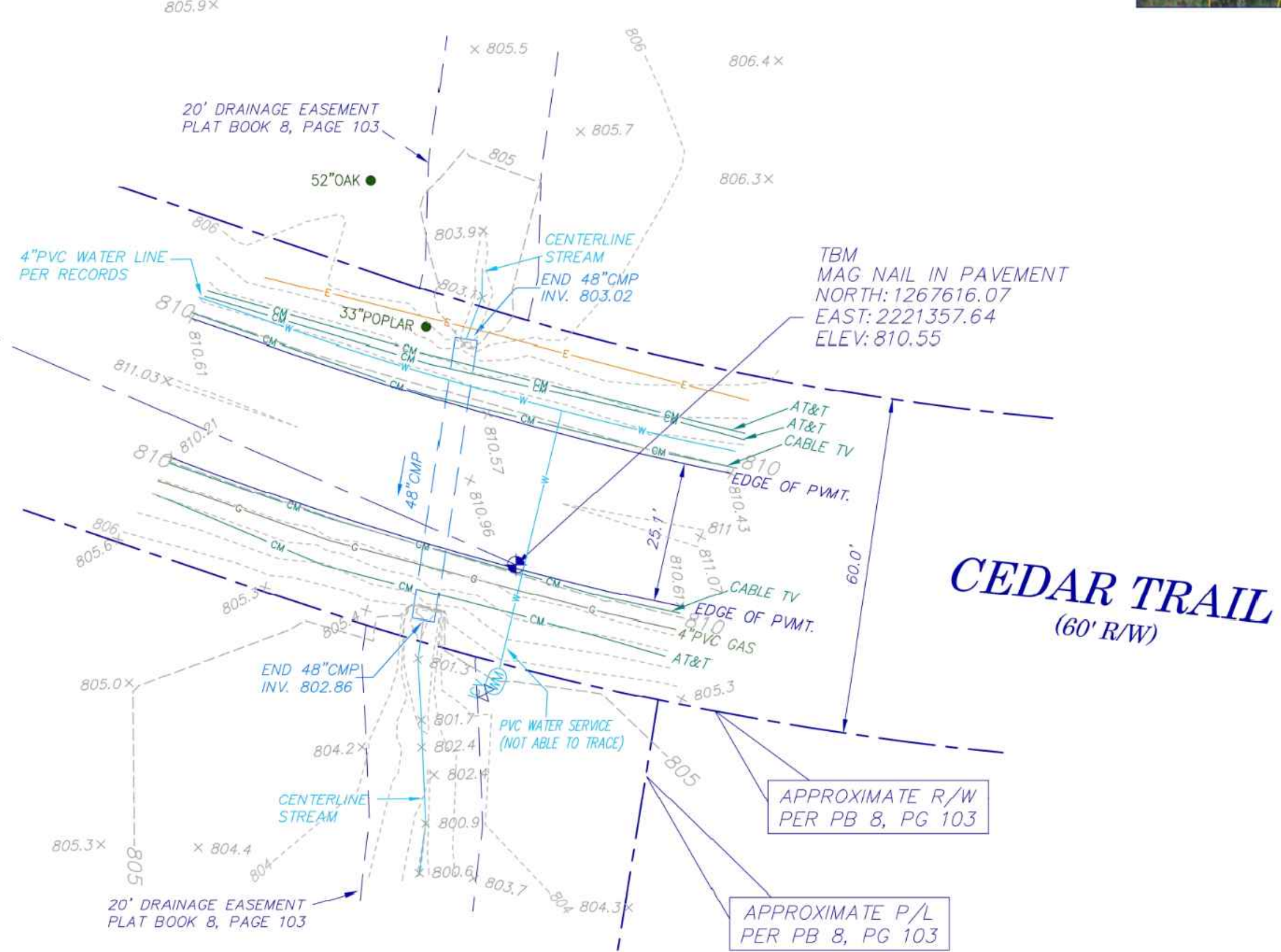
CLOSURE STATEMENT

THE FIELD CLOSURE UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 2,424.00, AND WAS ADJUSTED USING THE LEAST SQUARES METHOD. A TRIMBLE S-6 TOTAL STATION AND TRIMBLE TSC-3 DATA COLLECTOR WERE USED TO COLLECT THIS FIELD DATA.

TBM MAG NAIL IN PAVEMENT NORTH: 1267714.68 EAST: 2221130.60 ELEV: 815.19

#220 N/F PROPERTY OF RICKEY E PHILLIPS DEED BOOK 3050 / PAGE 559 LOT 23 & 24 ~ CEDAR TREE S/D, PLAT BOOK 9 / PAGE 160

TBM MAG NAIL IN PAVEMENT NORTH: 1267616.07 EAST: 2221357.64 ELEV: 810.55



UTILITY PROVIDERS

- Gas: Southern Company Gas (Former Atlanta Gas Light) 10 Peachtree Street NE, Atlanta, GA 30309
Power: Coasta-Fayette EMC 807 Collinsworth Road, Palmetto, GA 30268
Water: Fayette County Water System 245 McDonough Road, Fayetteville, GA 30214
Communication: AT&T 208 S. Akard St, Dallas, TX 75202
Comcast (770) 559-6879, Sandra Andrews

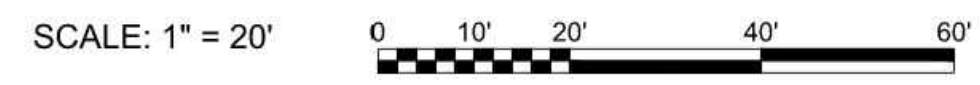
EXISTING UTILITIES

THE FOLLOWING UNDERGROUND UTILITIES ARE LOCATED WITHIN THE SURVEY AREA: GAS, WATER, ELECTRIC POWER, COMMUNICATIONS, CABLE TV.

UTILITY NOTE

THE UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON LOCATION OF MARKINGS PROVIDED BY: UTILISURVEY, LLC 1227 NORTH PEACHTREE PARKWAY, STE 178 PEACHTREE CITY, GA 30269

IF YOU DIG



LEGEND

- STANDARD ABBREVIATIONS: AC AIR CONDITIONER, BH BORE HOLE, BSL BUILDING SETBACK LINE, CI CURB INLET, CMP CORRUGATED METAL PIPE, CMF CONCRETE MONUMENT FND, CO SANITARY CLEANOUT, CPD COMMUNICATION PEDESTAL, CRP CRIMPED TOP PIPE, DI DROP INLET, DIP DUCTILE IRON PIPE, DWCB DOUBLE WING CATCH BASIN, FNC FENCE, FND FOUND, GM GAS METER, INV INVERT, JB JUNCTION BOX, MH MANHOLE, OCS OUTLET CONTROL STRUCTURE, OTP OPEN TOP PIPE, PM POWER METER, PK PK NAIL SET, PBR POINT OF BEGINNING, RCP REINFORCED CONCRETE PIPE, RIB IRON REINFORCING BAR, RBS 5/8" RIB SET CAPPED LSF 621, SS SANITARY SEWER, SWCB SINGLE WING CATCH BASIN, TRANS ELECTRIC TRANSFORMER



Land Surveying • 3D Laser Scanning 1660 Barnes Mill Road Marietta, Georgia 30062 Phone: (770) 795-9900 Fax: (770) 795-8880 www.geosurvey.com EMAIL: info@geosurvey.com Certificate of Authorization #LSF-000621

TOPOGRAPHIC SURVEY Cedar Trail FOR Fayette County
GS JOB NO: 20196106 DRAWING SCALE: 1" = 20' SURVEY DATE: 04/09/2019
FIELD WORK: MN CITY: UNINCORPORATED
PROJ MGR: BDC COUNTY: FAYETTE STATE: GA
REVIEWED: JRC LAND LOT: 1B3
DWG FILE: 20196106-1.dwg DISTRICT: 5TH



Table with columns: COUNTY COMMENTS, DATE, APPR. Row 1: 1, 08/07/2020, MARK

Table with columns: DATE, SOLICITATION NO., CONTRACT NO., FILE NUMBER, PLOT DATE, DESIGNED BY, DWN BY, SUBMITTED BY, FILE NAME, PLOT SCALE, SIZE. Values: MAY 06, 2021, 140 STONEWALL AVE W, SUITE 203, FAYETTEVILLE, GA 30214, POND, 22' x 34'

FAYETTE COUNTY 140 STONEWALL AVE W, SUITE 203, FAYETTEVILLE, GA 30214 POND 3000 Parkway Lane, Suite 600 Fayetteville, GA 30214 Phone (770) 330-7740 Fax (770) 330-7741 POND@FAYETTECOUNTYGA.GOV

CEDAR TRAIL CULVERT REPLACEMENT FAYETTE COUNTY, GA 30214 TOPOGRAPHIC SURVEY (BY OTHERS)

SHEET IDENTIFICATION V-001



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 DRAWING 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.
- CULVERT STREAM BEDDING MATERIAL IS ALLOWED BY FAYETTE COUNTY TO BE EMBED NATURALLY WITH FLOW.
- IF PRECAST STRUCTURE IS USED IN PLACE OF A CAST-IN-PLACE STRUCTURE, THEN THE PRECAST STRUCTURE TO BE DESIGNED BY VENDOR DURING THE CONSTRUCTION SHOP DRAWING PROCESS. THE STRUCTURE SHOP DRAWINGS TO BE APPROVED BY ENGINEER FOR OWNER.

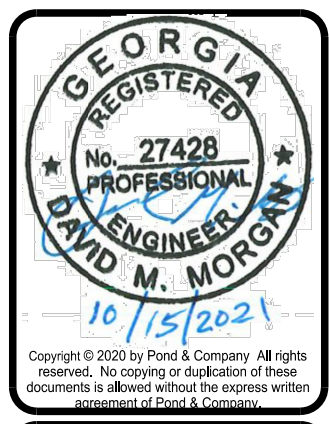
IMPACTED AREAS TABLE	
STREAM (L.F.) (LINEAR FEET)	WETLANDS (ACRES)
50 L.F.	0.01 ACRES

NOTES

- IMPACT TO STREAMS MUST BE LESS THAN 100 LINEAR FEET
- IMPACT TO WETLANDS MUST BE LESS THAN 0.1 ACRES
- STREAM BUFFER IMPACTS MUST NOT EXTEND PAST THE EXEMPT 50-FT BY 50-FT SQUARE MEASURED FROM THE END OF EACH CULVERT WINGWALL; OR BY THE EXEMPT 100-FT BY 100-FT SQUARE MEASURED FROM THE BEGINNING AND END OF THE BRIDGE STRUCTURE.

LEGEND:

- STREAM/SURFACE WATERS
- WETLAND
- 25 FOOT STATE BUFFER
- STREAM BUFFER IMPACTS
- PERMANENT EASEMENT
- LIMITS OF DISTURBANCE AND TEMPORARY EASEMENT
- RIPRAP PROTECTION



MARK	COUNTY COMMENTS	DATE	APPR.
1		08/07/2020	

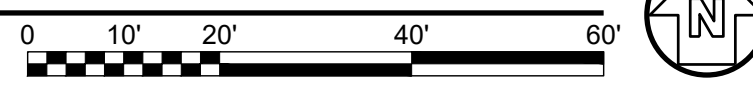
DESIGNED BY: MIA	DATE: OCTOBER 15, 2021
DRAWN BY: MDA	SOLICITATION NO.:
CHD BY: MDM	CONTRACT NO.:
SUBMITTED BY: DM	FILE NUMBER:
FILE NAME: CS-100	PLOT DATE:
SIZE: 22" x 34"	PLOT SCALE:

FAYETTE COUNTY
 140 STONEWALL AVE. W. SUITE 203,
 FAYETTEVILLE, GA, 30214
POND
 5000 Parkway Lane, Suite 500
 Fayetteville, GA 30214
 Phone: (770) 336-7740
 FAX: (770) 336-7741
 POND@FAYETTECOUNTYGA.GOV

**CEDAR TRAIL
 CULVERT REPLACEMENT**
 FAYETTE COUNTY, GA, 30214
**ENVIRONMENTAL RESOURCES
 SITE PLAN**

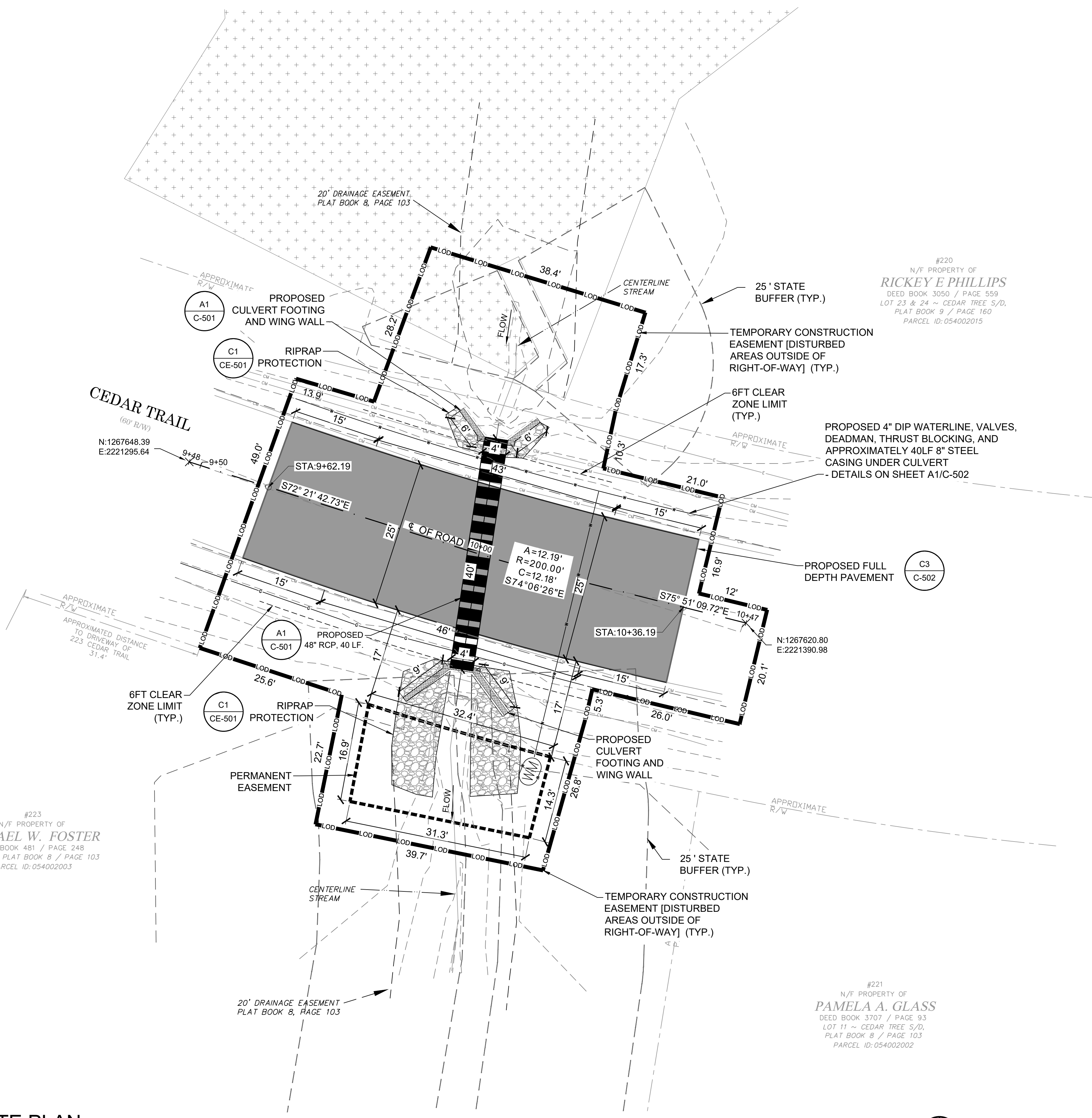
SHEET IDENTIFICATION
CS-100

A1 ENVIRONMENTAL RESOURCES SITE PLAN
 SCALE: 1" = 20'



811 Know what's below.
 Call before you dig.
 Dial 811
 Or Call 800-282-7411

FILE NAME: X:\FY18\1903689\T002 - Cedar Trail 223 Culvert Replacement\04_CAD_BIM\04.02_CAD\CS100-OVERALL SITE PLAN.dwg PLOTTED: Friday, October 15, 2021



#220
N/F PROPERTY OF
RICKEY E PHILLIPS
DEED BOOK 3050 / PAGE 559
LOT 23 & 24 ~ CEDAR TREE S/D,
PLAT BOOK 9 / PAGE 160
PARCEL ID: 054002015

#223
N/F PROPERTY OF
MICHAEL W. FOSTER
DEED BOOK 481 / PAGE 248
LOT 12 ~ PLAT BOOK 8 / PAGE 103
PARCEL ID: 054002003

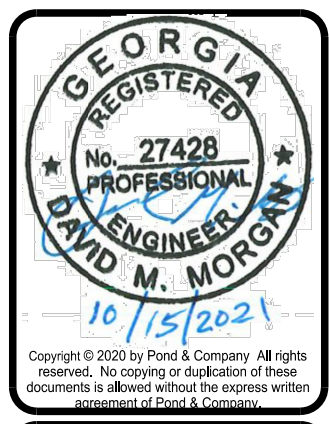
#221
N/F PROPERTY OF
PAMELA A. GLASS
DEED BOOK 3707 / PAGE 93
LOT 11 ~ CEDAR TREE S/D,
PLAT BOOK 8 / PAGE 103
PARCEL ID: 054002002

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 DEVICES (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 DRAWING 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.
- LIMITS OF DISTURBANCE SHALL BE CLEARED IN THEIR ENTIRETY.
- CONTRACTOR TO MILL ENTIRE WIDTH OF ANY PORTION OF THE TOP COURSE ASPHALT DAMAGED DURING CONSTRUCTION AND OVERLAY WITH 1.5" OF 9.5 mm SUPERPAVE.

LEGEND:

- FULL DEPTH ASPHALT PAVING (FOUNDATION TYPE REFER TO FAYETTE COUNTY TYPICAL)
- 25 FOOT STATE BUFFER
- LIMITS OF DISTURBANCE AND TEMPORARY EASEMENT
- RIPRAP OUTLET PROTECTION
- PERMANENT EASEMENT



DATE	DESCRIPTION
08/07/2020	MARK

DESIGNED BY: MIA	DATE: OCTOBER 15, 2021
DRAWN BY: MDA	SOLICITATION NO.:
CHECKED BY: DM	CONTRACT NO.:
SUBMITTED BY: DM	FILE NUMBER: CS-101
FILE NAME:	PLOT SCALE:
SIZE: 27" x 34"	PLOT DATE:

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

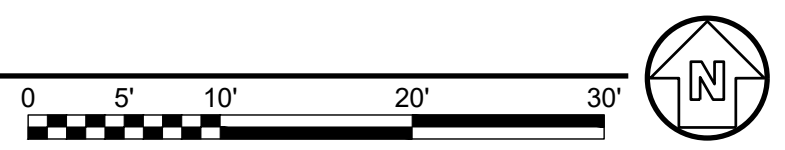
POND
5800 Parkway Lane, Suite 500
Fayetteville, GA 30214
Phone: 678.336.7740
FAX: 678.336.7741
POND DESIGN, INC. 1183990

**CEDAR TRAIL
CULVERT REPLACEMENT**
FAYETTE COUNTY, GA, 30214

CIVIL SITE PLAN

SHEET IDENTIFICATION
CS-101

A1 CIVIL SITE PLAN
SCALE: 1" = 10'



811 Know what's below.
Call before you dig.
Dial 811
Or Call 800-282-7411

FILE NAME: X:\FY19\1190369\T002 - Cedar Trail 223 Culvert Replacement\04_CAD_BIM\04_02_CAD\CS101.dwg PLOTTED: Friday, October 15, 2021

GENERAL SHEET NOTES:

1. ALL CONCRETE FORMWORK AND REINFORCING BARS TO BE INSPECTED BY THE ENGINEER OR OWNER FOR FIELD REPRESENTATIVE IN CONJUNCTION WITH THE CONTRACTOR'S REPRESENTATIVE BEFORE CONCRETE IS PLACED.
2. AS-BUILT DRAWINGS SHALL CONTAIN ALL RELEVANT ELEVATIONS AND INVERTS. (SHALL BE CERTIFIED BY A GEORGIA REGISTERED LAND SURVEYOR)
3. CONTRACTOR TO BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGED CURB, DRIVEWAYS, ASPHALT, FENCING OR ROADWAY DURING CONSTRUCTION.
4. ALL DAMAGED, DEMOLISHED, OR REMOVED SOD TO BE REPLACED IN-KIND WITH SOD.

GRADING NOTES:

1. RIPRAP TO BE PLACED WHERE SHOWN ON PLAN FOR SCOUR PROTECTION.
2. ROAD TO BE GRADED FROM CROWN TO EDGE OF ASPHALT AT 1/4" PER 1'
3. MINIMUM SHOULDER WIDTH TO BE PROVIDED IS 6'. SHOULDER SHALL BE GRADED AT 1/2" PER 1'.
4. ROAD CROSS SECTION BETWEEN ROAD STATIONS 9+62 AND 10+36 SHALL COMPLY WITH FAYETTE COUNTY STANDARDS (SEE SHEET C3/C-502)
5. MAXIMUM SLOPES ALLOWED WITHIN FAYETTE COUNTY RIGHT-OF-WAY SHALL BE 3:1. PROVIDE 3:1 SLOPES WHERE POSSIBLE.

NOTE REGARDING ALL EXISTING UTILITIES:

UTILITIES DEPICTED ARE FOR INFORMATIONAL PURPOSES ONLY.

THE STATIONING LOCATION IS TAKEN FROM THE SURVEY AND UTILITY INFORMATION PROVIDED BY FAYETTE COUNTY. THE DEPTH OF ALL EXISTING UTILITIES IS ASSUMED. THE CONTRACTOR SHOULD EXERCISE CARE WHEN EXCAVATING, TO PRESERVE, PROTECT, AND RELOCATE EXISTING UTILITIES, AS NECESSARY.

SHEET LEGEND

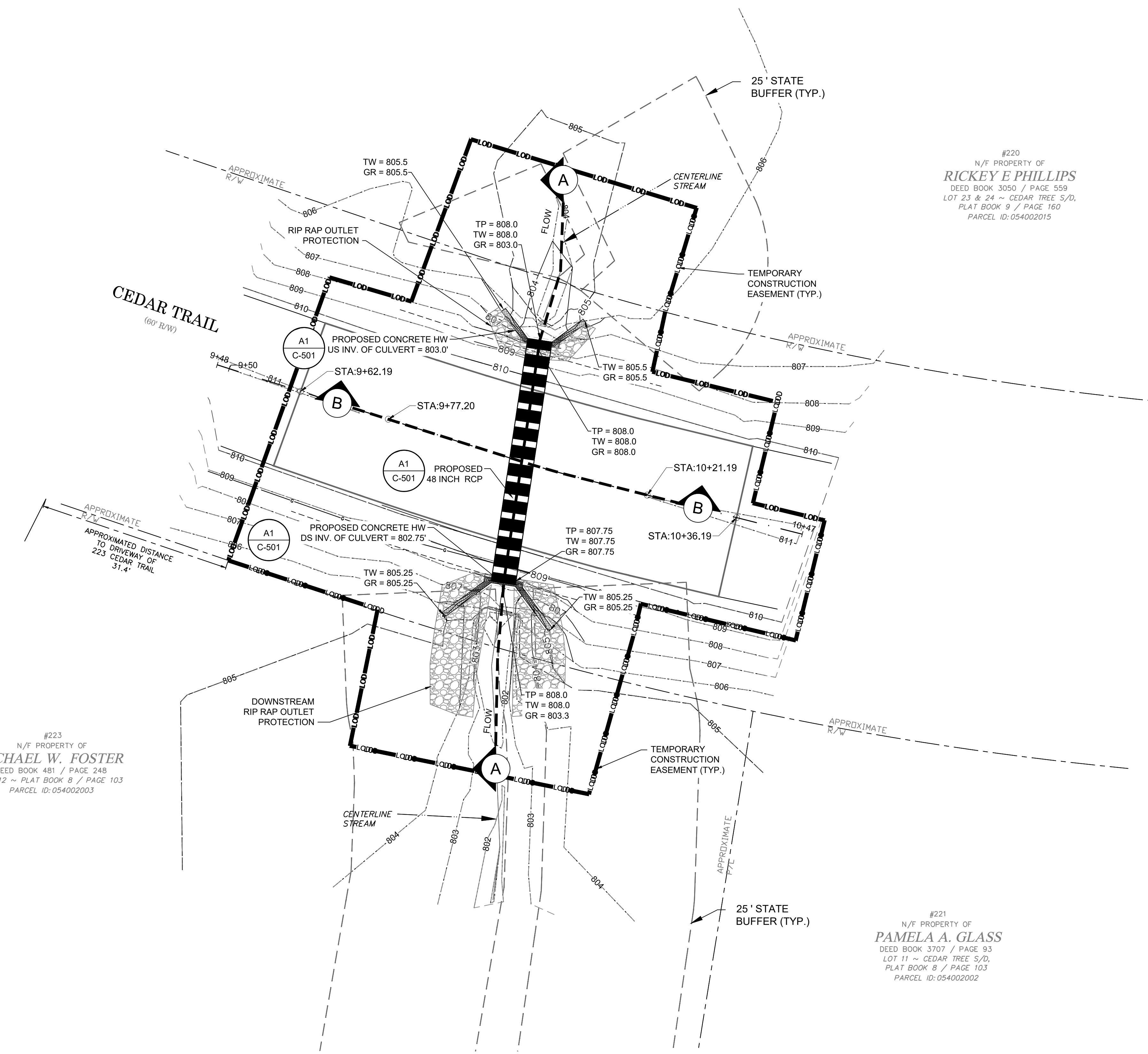
- LOD — LOD — LIMIT OF DISTURBANCE AND TEMPORARY EASEMENT
- RIPRAP OUTLET PROTECTION
- 25 FOOT STATE BUFFER
- US UP STREAM
- DS DOWN STREAM

FLOW SUMMARY TABLE

FLOW SUMMARY TABLE				
STORM FREQUENCY	FLOW (CFS)	HEADWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)	DOWNSTREAM VELOCITY (FPS)
10-YEAR	41.6	805.97	8.14	4.75
25-YEAR	60.7	806.91	9.00	4.88
100-YEAR	95.3	809.23	14.48	5.37

DRAINAGE AREA = 41.4 ACRES
AVERAGE STREAM SLOPE = 1.00%

WALL ELEVATION:
TW = TOP OF WING CAP PANEL
BW = BOTTOM OF WALL
GR = GROUND ELEVATION

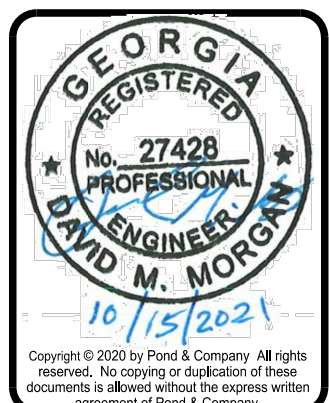
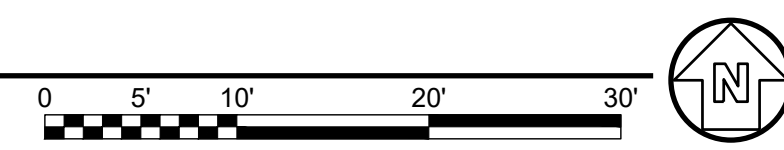


#220
N/F PROPERTY OF
RICKEY E PHILLIPS
DEED BOOK 3050 / PAGE 559
LOT 23 & 24 ~ CEDAR TREE S/D,
PLAT BOOK 9 / PAGE 160
PARCEL ID: 054002015

#223
N/F PROPERTY OF
MICHAEL W. FOSTER
DEED BOOK 481 / PAGE 248
LOT 12 ~ PLAT BOOK 8 / PAGE 103
PARCEL ID: 054002003

#221
N/F PROPERTY OF
PAMELA A. GLASS
DEED BOOK 3707 / PAGE 93
LOT 11 ~ CEDAR TREE S/D,
PLAT BOOK 8 / PAGE 103
PARCEL ID: 054002002

A1 CIVIL GRADING AND DRAINAGE PLAN
SCALE: 1" = 10'



MARK	DATE	DESCRIPTION
1	08/07/2020	COUNTY COMMENTS

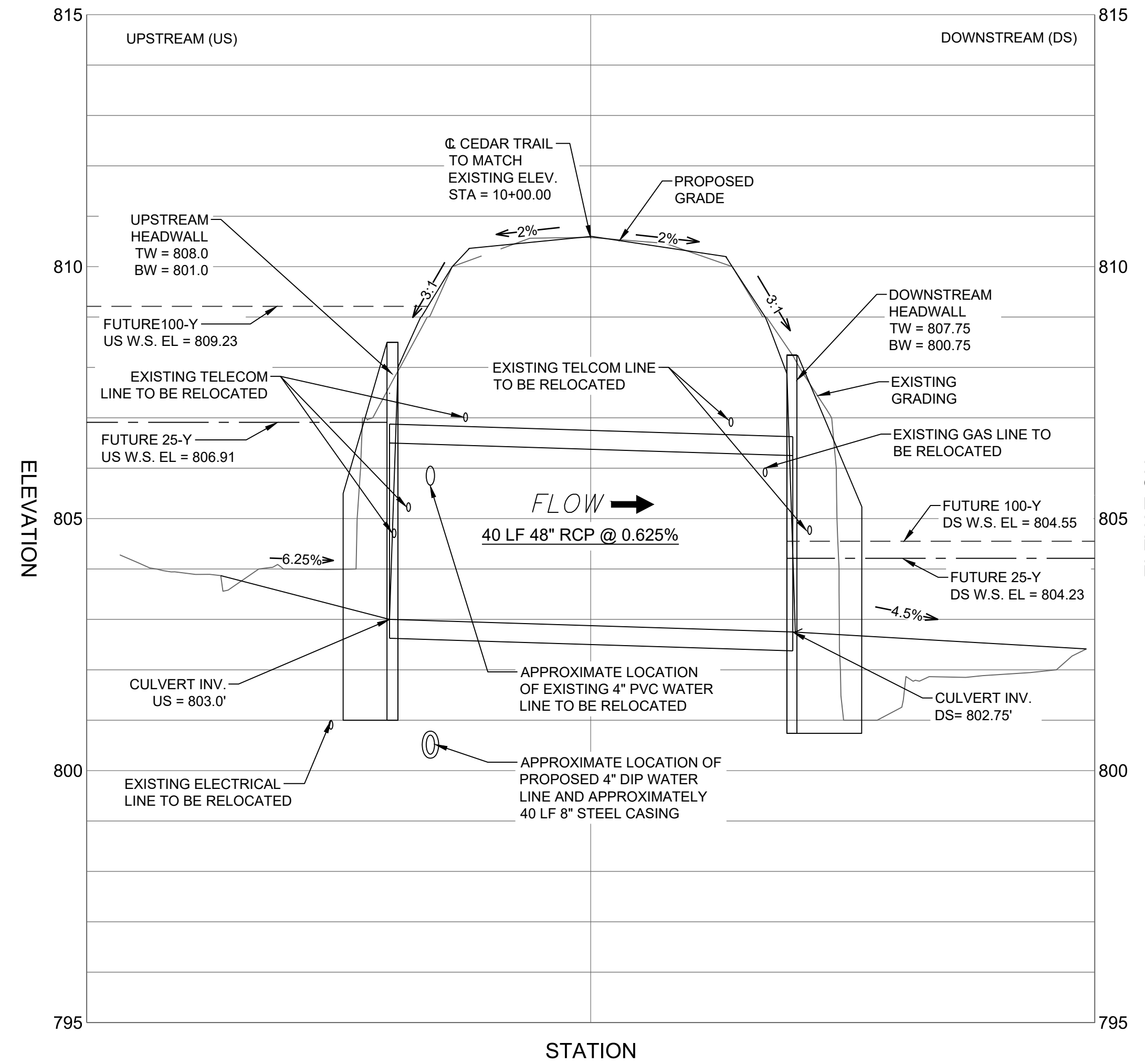
DESIGNED BY: MIA	DATE: OCTOBER 15, 2021
DRAWN BY: MDNA	SOLICITATION NO.:
SUBMITTED BY: DM	CONTRACT NO.:
FILE NAME: CG-101	FILE NUMBER:
SIZE: 2P x 34"	PLOT SCALE:
	PLOT DATE:

FAYETTE COUNTY
140 STONEWALL AVE W, SUITE 203,
FAYETTEVILLE, GA, 30214
POND
500 Parkway Lane, Suite 500
Fayetteville, GA 30215
Phone 878.336.7740
Fax 878.336.7741
POND REGISTRATION #1193990

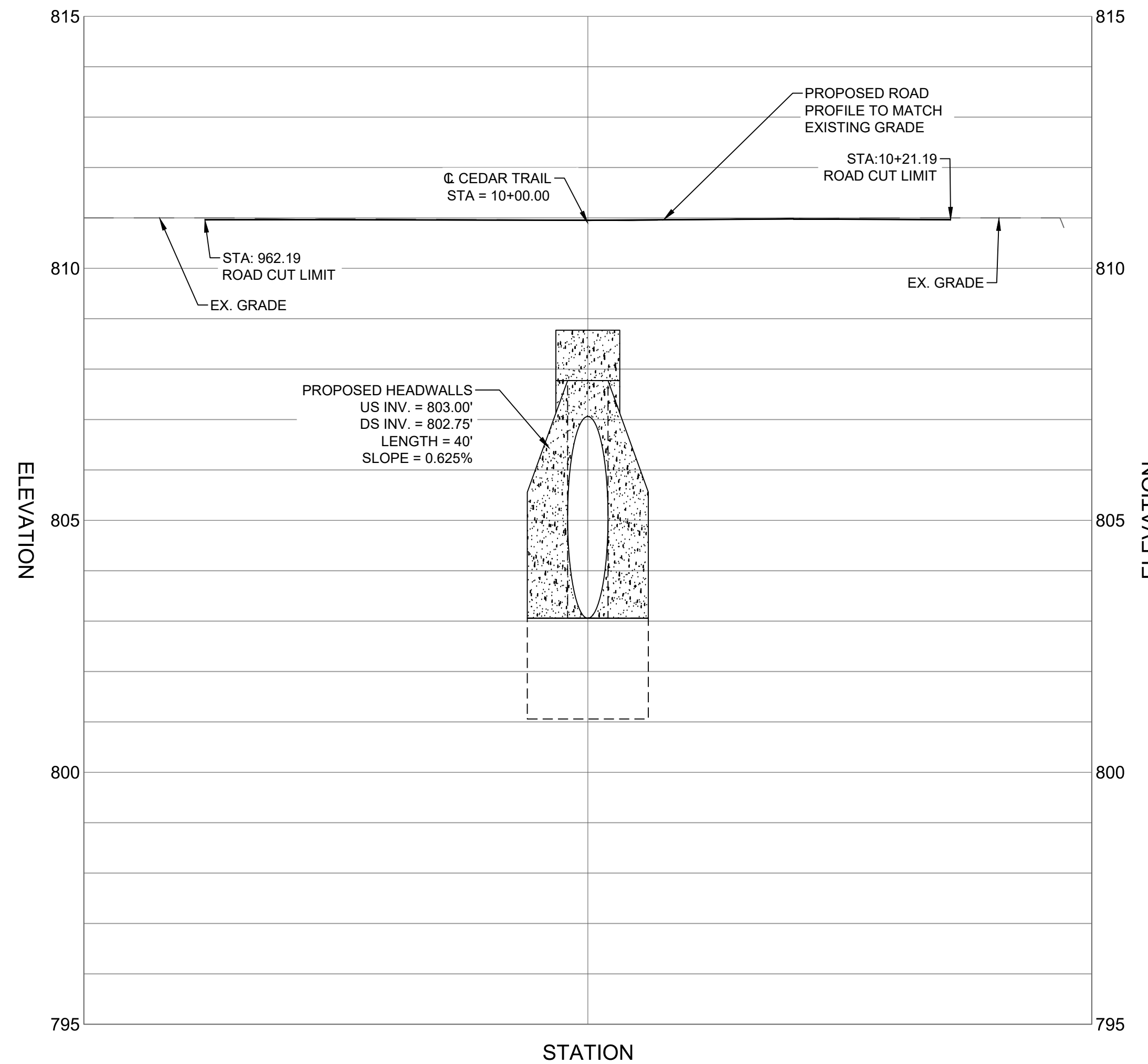
**CEDAR TRAIL
CULVERT REPLACEMENT**
FAYETTE COUNTY, GA, 30214
**CIVIL GRADING AND DRAINAGE
PLAN**

SHEET IDENTIFICATION
CG-101

811 Know what's below.
Call before you dig.
Dial 811
Or Call 800-282-7411



PROPOSED CULVERT PROFILE (A-A)
 HORIZ. SCALE 1" = 10'
 VERT. SCALE 1" = 2'



CEDAR TRAIL PROFILE (B-B)
 HORIZ. SCALE 1" = 10'
 VERT. SCALE 1" = 2'

NOTE REGARDING ALL EXISTING UTILITIES:
 UTILITIES DEPICTED ARE FOR INFORMATIONAL PURPOSES ONLY.

THE STATIONING LOCATION IS TAKEN FROM THE SURVEY AND UTILITY INFORMATION PROVIDED BY FAYETTE COUNTY. THE DEPTH OF ALL EXISTING UTILITIES IS ASSUMED. THE CONTRACTOR SHOULD EXERCISE CARE WHEN EXCAVATING, TO PRESERVE, PROTECT, AND RELOCATE EXISTING UTILITIES, AS NECESSARY.

WALL ELEVATION:
 TW = TOP OF WING CAP PANEL
 BW = BOTTOM OF WALL

A1 GRADING AND DRAINAGE PROFILES
 SCALE: AS SHOWN



Know what's below.
 Call before you dig.
 Dial 811
 Or Call 800-282-7411



Copyright © 2020 by Pond & Company. All rights reserved. No copying or publication of these documents is allowed without the express written consent of Pond & Company.

DATE	DESCRIPTION	APPR.
08/07/2020	MARK	

DESIGNED BY: MIA	DATE: OCTOBER 15, 2021
DRAWN BY: MDA	SOLICITATION NO.: MDM
SUBMITTED BY: DM	CONTRACT NO.:
FILE NAME: CG-201	FILE NUMBER:
SIZE: 22" x 34"	PLOT SCALE:
	PLOT DATE:

FAYETTE COUNTY
 140 STONEWALL AVE. W, SUITE 203,
 FAYETTEVILLE, GA, 30214
POND
 5500 Peachtree Lane, Suite 500
 Fayetteville, GA 30214
 Phone: 678-336-7740
 Fax: 678-336-7741
 POND@PONDENGINEERING.COM

CEDAR TRAIL CULVERT REPLACEMENT
 FAYETTE COUNTY, GA, 30214
GRADING AND DRAINAGE PROFILES

SHEET IDENTIFICATION
CG-201

A

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

PIPE DIAMETER (INCHES)	TYPE	HEIGHT OF FILL IN FEET ABOVE TOP OF PIPE															
		1-10	10-15	15-20	20-25	25-30	30-35	35-40	40-50	50-60	60-70	70-80	80-90	90-100	100-110	110-120	120
12	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
12	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
15	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
15	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
18	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
18	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
24	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
24	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
30	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
30	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
36	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
36	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
42	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
42	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
48	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
48	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
54	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
54	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
60	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
60	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
66	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
66	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
72	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
72	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
78	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
78	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
84	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
84	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
90	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
90	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
96	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
96	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
102	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
102	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
108	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
108	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
114	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
114	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
120	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
120	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	

NOTE: STEEL 10R ALUM. DENOTES CORRUGATION PROFILE 2.23 X 1/2".
STEEL 2 OR ALUM. 2 DENOTES CORRUGATION PROFILE 3" X 1" OR 5" X 1" FOR STEEL PIPE ONLY.
ALL STEEL AND ALUMINUM PIPE SHALL BE LOCK-SEAM OR WELDED-SEAM HELICAL CONSTRUCTION.
MINIMUM COVER VALUES APPLY TO H-20 LIVE LOAD. MINIMUM COVER NEEDED FOR CONSTRUCTION VEHICLES MAY BE GREATER AND IS THE RESPONSIBILITY OF THE CONTRACTOR.
TRENCH CONSTRUCTION IS REQUIRED FOR CONDITIONS ON BOTH SIDES OF HEAVY LINE. SEE SHEET 1 OF 3.
FOR CONDITIONS TO RIGHT OF HEAVY LINE, CONCRETE PIPE REQUIRES IMPROVED BACKFILL ACCORDING TO SPECIFICATIONS AND THIS STANDARD.
TABLE VALUES FOR ALUMINUM CORRUGATED PIPE OR ALUMINUM SPIRAL RB PIPE ARE COMPUTED BASED UPON ALUMINUM ALLOY 3004-H34 HAVING MINIMUM YIELD STRENGTH 17,500 PSI. ALUMINUM PIPE IS OTHERWISE LISTED AS FOLLOWS:
A. ALL MINIMUM COVER VALUES SHALL BE INCREASED BY 15 PERCENT. (EXAMPLE: 12 INCHES BECOMES 13.8 INCHES)
B. 2 1/2" - 3 1/2" FEET

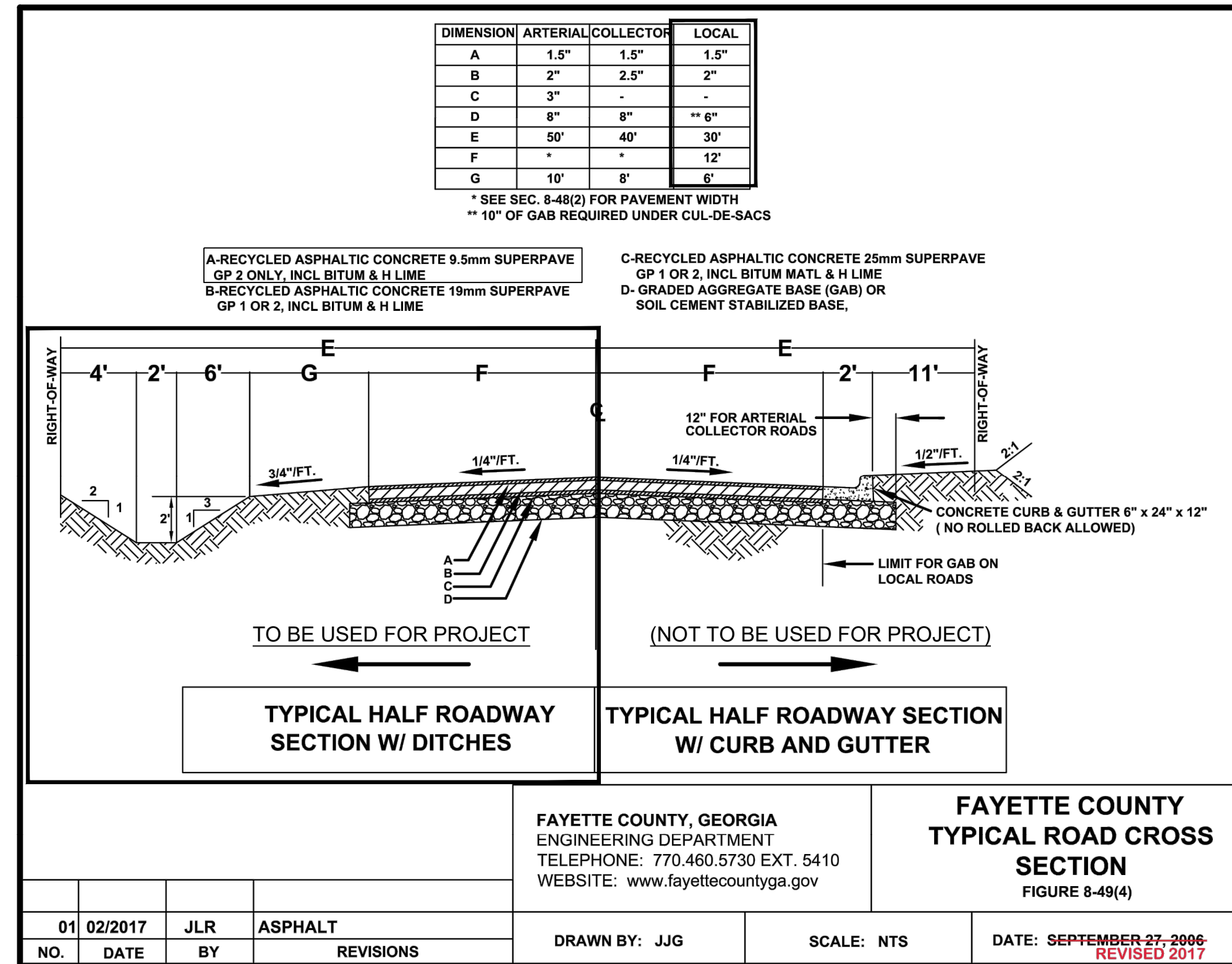
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
STANDARD
CONCRETE & METAL PIPE CULVERTS
SHEET 2 OF 3
(FILL HEIGHTS FOR CONCRETE & CORRUGATED METAL PIPE)

NO SCALE
REV. & REOR. AUG. 1999
SUBMITTED: *[Signature]*
APPROVED: *[Signature]*
DATE: OCTOBER 21, 1998
NUMBER: 1030D

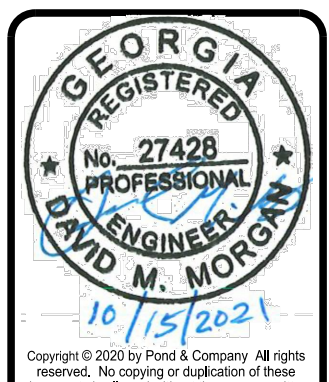
B

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

PIPE DIAMETER (INCHES)	TYPE	HEIGHT OF FILL IN FEET ABOVE TOP OF PIPE															
		1-10	10-15	15-20	20-25	25-30	30-35	35-40	40-50	50-60	60-70	70-80	80-90	90-100	100-110	110-120	120
12	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
12	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
15	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
15	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
18	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
18	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
24	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
24	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
30	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
30	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
36	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
36	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
42	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
42	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
48	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
48	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
54	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
54	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
60	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
60	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
66	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
66	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
72	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
72	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
78	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
78	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
84	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
84	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
90	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
90	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
96	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
96	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
102	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
102	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
108	CONCRETE	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
108	ALUM.	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	
114	CONCRETE	.064	.064	.064	.064	.0											



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



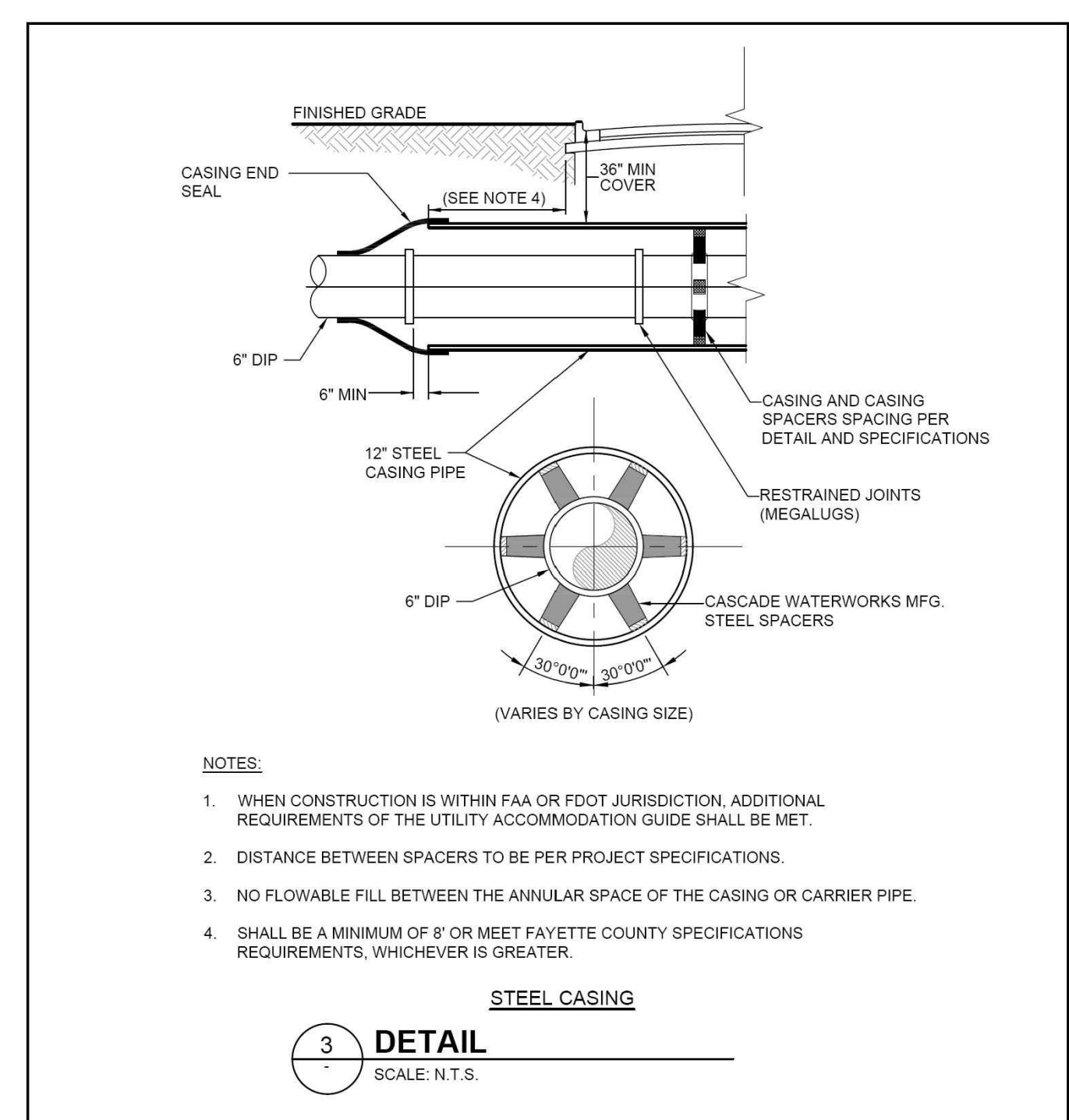
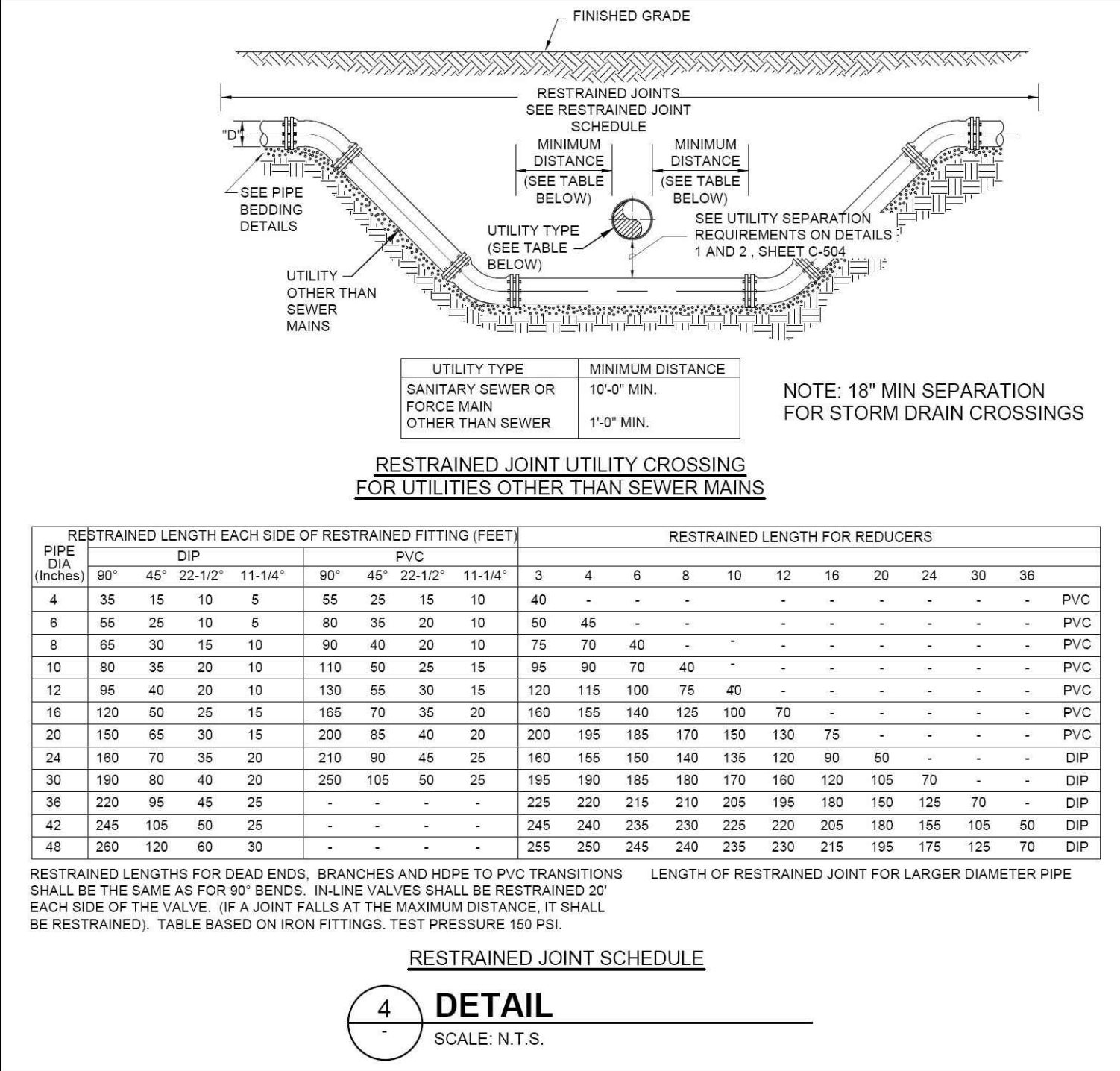
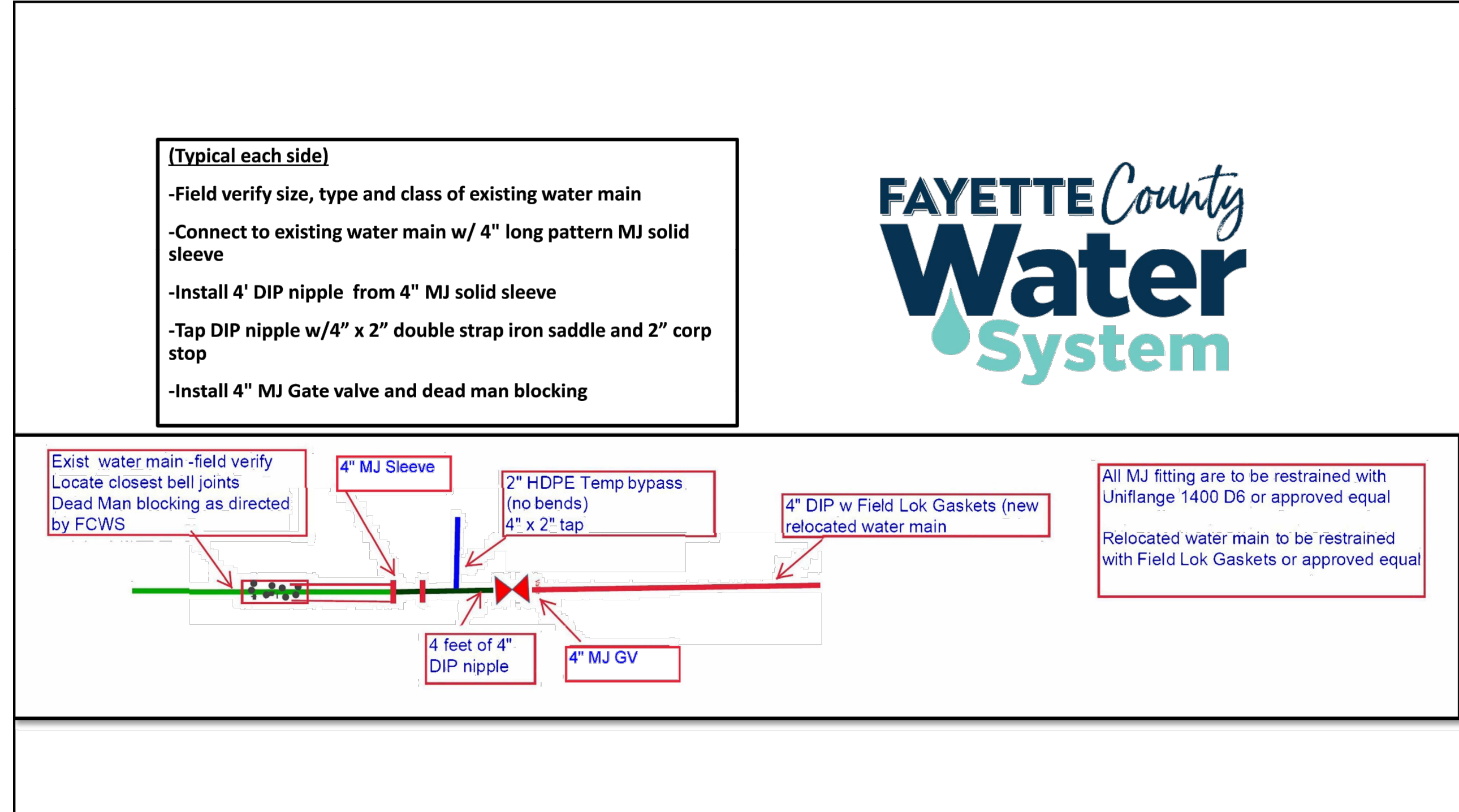
NO.	DATE	BY	REVISIONS
1	08/07/2020		MARK

DESIGNED BY: MIA	DATE: OCTOBER 15, 2021
DRAWN BY: MANDA	SOLICITATION NO.:
SUBMITTED BY: DM	CONTRACT NO.:
FILE NAME: C-502	FILE NUMBER:
SIZE: 22" x 34"	PLOT SCALE:
	PLOT DATE:

FAYETTE COUNTY
140 STONEWALL AVE. W. SUITE 203,
FAYETTEVILLE, GA. 30214
POND
5800 Parkway Lane, Suite 500
Fayetteville, GA 30215
Phone: 878.336.7740
FAX: 878.336.7741
POND PROJECT NO. 1130900

CEDAR TRAIL
CULVERT REPLACEMENT
FAYETTE COUNTY, GA. 30214
CONSTRUCTION DETAILS

SHEET IDENTIFICATION
C-502



A1 FAYETTE COUNTY WATER LINE CULVERT CROSSING DETAILS
SCALE: N.T.S.

FILE NAME: X:\FY19\1503691\T002 - Cedar Trail 225 Culvert Replacement\04_CAD_BIM\04.02_CAD\C-501.dwg PLOTTED: Friday, October 15, 2021

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.

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORMWATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR100002.

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR THE MONITORING OF: (A) ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES SHOWN ON THE USGS TOPOGRAPHIC MAP AND ALL OTHER FIELD VERIFIED PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES, OR (B) WHERE ANY SUCH SPECIFIC IDENTIFIED PERENNIAL OR INTERMITTENT STREAM AND OTHER WATER BODY IS NOT PROPOSED TO BE SAMPLED, I HAVE DETERMINED IN MY PROFESSIONAL JUDGMENT, UTILIZING THE FACTORS REQUIRED IN THE GENERAL NPDES PERMIT NO. GAR100002, THAT THE INCREASE IN THE TURBIDITY OF EACH SPECIFIC IDENTIFIED SAMPLED RECEIVING WATER WILL BE REPRESENTATIVE OF THE INCREASE IN THE TURBIDITY OF A SPECIFIC IDENTIFIED UN-SAMPLED RECEIVING WATERS

David Morgan

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

OCTOBER 15, 2021
DATE

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.

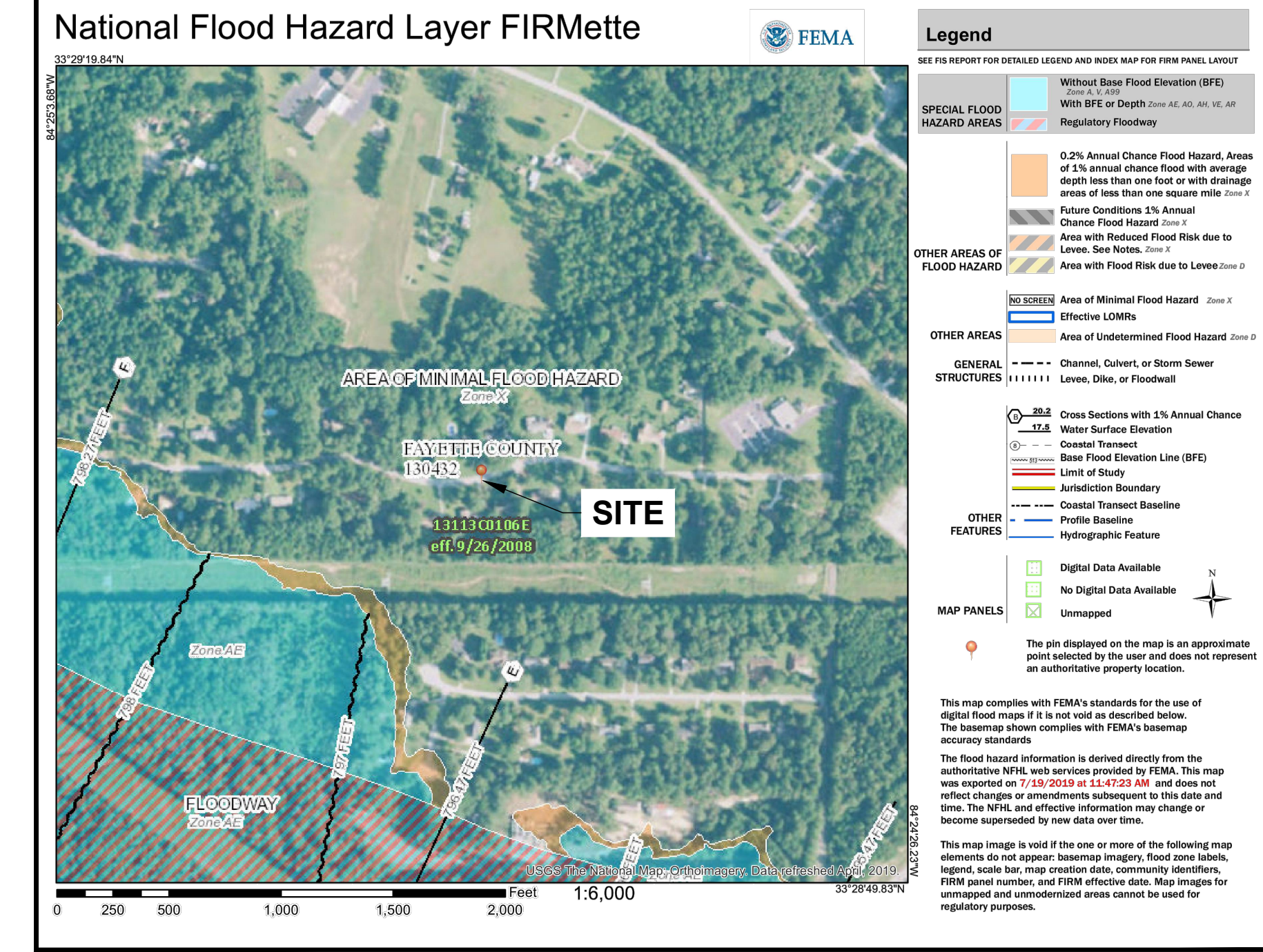
ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

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.

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.

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.



PLAN NORTH
FEMA FLOOD MAP - 1311C0102E
SCALE: NTS DATED 09/26/2008

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 B4/CE-501	Sd1-S 28"	XX	SILT FENCING - DETAIL A3/CE-501
Ds2	TEMPORARY SEEDING - DETAIL A1/CE-502	Du		DUST CONTROL - DETAIL A1/CE-501
Ds3	PERMANENT SEEDING - DETAIL A1/CE-503	Tr		TREE PROTECTION FENCE - DETAIL C1/CE-504
Ds4	DISTURBED AREA STABILIZATION W/ SOODING - DETAIL A3/CE-502	St		STORM OUTLET PROTECTION - DETAIL C1/CE-501
Ss	SLOPE STABILIZATION DETAIL A1/CE-504			

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) 313-9855
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
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: 0.13 ACRES
DISTURBED AREA: 0.13 ACRES

EXISTING LAND USE: THE EXISTING LAND USE CONSISTS OF TWO LANE PAVED ROAD WITH 48" DIAMETER PLATED CMP CULVERT.

PROPOSED LAND USE: THE PROJECT CONSIST OF THE REMOVAL OF THE EXISTING DETERIORATED 48-INCH DIAMETER CMP CULVERT CROSSING RIDGE WAY AND REPLACING IT WITH A 48-INCH DIAMETER RCP STRUCTURE.

BUFFER ENCROACHMENT: AS THE SCOPE OF WORK REQUIRES GRADING WITHIN THE STREAM, BUFFERS WILL BE DISTURBED FOR THIS PROJECT, KEPT TO A MINIMUM, AND RESTABILIZED FOR THE FINAL PHASE. TOTAL LINEAR FEET OF CREEK TO BE DISTURBED WILL BE KEPT TO LESS THAN 100 FEET.

GPS COORDINATES OF SITE: 33° 29' 04.9" N 84° 24' 49.1" W
NAME OF RECEIVING WATERS: MORNING CREEK
AREA OF ON-SITE WETLANDS: 0.01 AC

PRE-CONSTRUCTION CURVE NUMBER: 70
POST-CONSTRUCTION CURVE NUMBER: 71

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
UTILITY COORDINATION AND RELOCATION	[Progress bars]															
INSTALL SILT FENCE, CONSTRUCTION EXIT	[Progress bars]															
CLEARING AND GRUBBING	[Progress bars]															
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.	[Progress bars]															
DEMOLITION OF SURFACE PAVEMENT, OR ANY OTHER MISCELLANEOUS REQUIRED BMP, FENCES, EXISTING CULVERTS AND UTILITY POLES	[Progress bars]															
ROUGH GRADING OPERATIONS	[Progress bars]															
INSTALLATION OF PROPOSED CULVERTS	[Progress bars]															
FINAL PAVING AND GRADING	[Progress bars]															
PERMANENT SEEDING	[Progress bars]															
REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES	[Progress bars]															
MAINTENANCE OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES	[Progress bars]															



SOIL MAP

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

Know what's below. Call before you dig. Dial 811 Or Call 800-282-7411

811

CE-001

FAYETTE COUNTY GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 27428 DAVID M. MORGAN 10/15/2021

DESIGNED BY: MIA DATE: OCTOBER 15, 2021
DRAWN BY: MADA CRO BY: MDM SOLICITATION NO.:
SUBMITTED BY: DM CONTRACT NO.:
FILE NAME: CE-001 FILE NUMBER:
SIZE: 22" x 34" PLOT SCALE:
PLOT DATE:

FAYETTE COUNTY 140 STONEWALL AVE. W., SUITE 203, FAYETTEVILLE, GA. 30214
POND & COMPANY 5000 Parkway Lane, Suite 500 Fayetteville, GA 30214 Phone: (678) 336-7740 PONDPROJECTS@PONDANDCOMPANY.COM

CEDAR TRAIL CULVERT REPLACEMENT EROSION AND SEDIMENT CONTROL NOTES AND LEGENDS

SHEET IDENTIFICATION CE-001

FILE NAME: X:\FY19\1503691\T002 - Cedar Trail 223 Culvert Replacement\04_CAD_BIM\04.02_CAD\CE001.dwg PLOTTED: Friday, October 15, 2021

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.

D DURING FINAL PHASE, MOST OF THE CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED AND ALL DISTURBED AREAS SHALL RECEIVE FINAL STABILIZATION. ALL SLOPES THAT ARE IDENTIFIED ON THE PLANS TO BE GRASSED SHALL BE SEEDDED WITH PERMANENT GRASSING AND PROTECTED WITH EROSION CONTROL MATTING IF NEEDED. PERMANENT SEEDING (DS3) SHALL BE PLANTED IN ALL VEGETATIVE AREAS. STORM OUTLET PROTECTION SHALL REMAIN IN PLACE AT ALL STORM OUTLETS. CONTRACTOR TO COORDINATE WITH LANDSCAPE PLANS FOR PERMANENT LANDSCAPING.

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:

C 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:

B 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.

A 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 TARP/AULIN. 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.

FOR BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE, PROVIDE COVER (E.G. PLASTIC SHEETING, TEMPORARY ROOFS) TO MINIMIZE THE EXPOSURE OF THESE PRODUCTS TO PRECIPITATION AND TO STORMWATER, OR A SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THESE AREAS. MINIMIZATION OF EXPOSURE IS NOT REQUIRED IN CASES WHERE EXPOSURE TO PRECIPITATION AND TO STORMWATER WILL NOT RESULT IN A DISCHARGE OF POLLUTANTS, OR WHERE EXPOSURE OF A SPECIFIC MATERIAL OR PRODUCT POSES LITTLE RISK TO STORMWATER CONTAMINATION (SUCH AS FINAL PRODUCTS AND MATERIALS INTENDED FOR OUTDOOR USE).*

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.

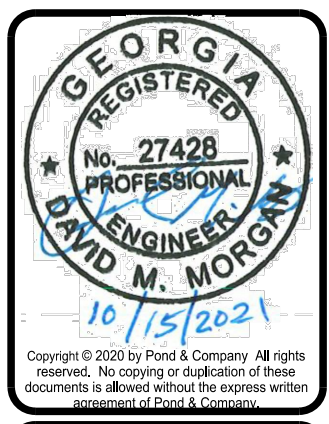
CONCRETE/MASONRY - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON SITE. THE CONCRETE PROVIDER HAS RESPONSIBILITY TO ENSURE APPROPRIATE TRAINING HAS BEEN PROVIDED TO THEIR TRUCK DRIVERS, AND MUST PROVIDE APPROPRIATE DETAILS AND RESOURCES TO ENABLE THEM 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.



DATE	08/07/2020	APPR.
COUNTY COMMENTS	1	MARK
DESCRIPTION		

DESIGNED BY	MA	DATE	01/08/15, 2021
DRAWN BY	MDA	SOLICITATION NO.	
SUBMITTED BY	DM	CONTRACT NO.	
FILE NAME	CE-002	FILE NUMBER	
SIZE	22" x 34"	PLOT DATE	

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

POND
 5800 Highway 160, Box 500
 Fayetteville, GA 30214
 Phone: (878) 336-7740
 FAX: (878) 336-7740
 POND PROTECTION 11/20/00

CEDAR TRAIL
CULVERT REPLACEMENT
 FAYETTE COUNTY, GA 30214
EROSION AND SEDIMENT
CONTROL NOTES AND
LEGENDS

SHEET IDENTIFICATION
CE-002

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



Know what's below.
Call before you dig.
 Dial 811
 Or Call 800-282-7411

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

SWCD Towaliga SWCD

Project Name: Cedar Trail Culvert Replacement Address: 223 Cedar Trail
City/County: Fayette County Date on Plans: 8/13/2021
Name & email of person filling out checklist: Steven Kim - kims@pondco.com

Plan Included TO BE SHOWN ON ES&PC PLAN
Page # Y/N

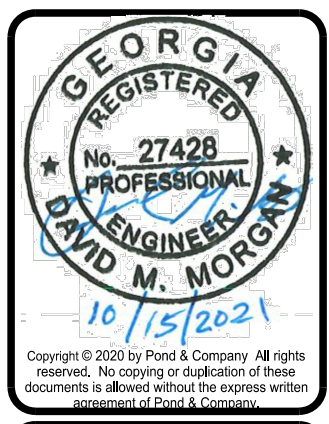
- CE-003 Y 1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.
(The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
- CE-001 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)
- N/A N/A 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.
- CE-001 Y 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. *
- CE-001 Y 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 westered 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.
- CE-001 Y 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." *

- CE-001 Y 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.
- CE-002 Y 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. *
- CE-002 Y 27 Description of practices to provide cover for building materials and building products on site. *
- CE-002 Y 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:
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.
- CE-Plan Y 44 Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.
- N/A N/A 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 Plan Y 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.

* 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, 2021



MARK	DATE	APPR.
1 <td>08/07/2020 <td></td> </td>	08/07/2020 <td></td>	

DESIGNED BY: MA	DATE: OCTOBER 15, 2021
DRAWN BY: NDA	SOLICITATION NO.:
SUBMITTED BY: DM	CONTRACT NO.:
FILE NAME: CE-001	FILE NUMBER:
SIZE: 22" x 34"	PLOT SCALE:
	PLOT DATE:

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

POND
5600 Highway 140, Box 500
Fayetteville, GA 30214
Phone 878.336.7740
POND@FAYETTECOUNTYGA.GOV

**CEDAR TRAIL
CULVERT REPLACEMENT**
FAYETTE COUNTY, GA, 30214

**EROSION AND SEDIMENT
CONTROL NOTES AND
LEGENDS**

SHEET IDENTIFICATION
CE-003

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



Know what's below.
Call before you dig.
Dial 811
Or Call 800-282-7411

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.
- CONTRACTOR TO PROVIDE A SEDIMENT WASH DOWN BMP AT PROJECT EXIT, AND TO BE MAINTAINED AT ALL TIMES. CONTRACTOR MAY USE A CONSTRUCTION ENTRANCE IF APPLICABLE.
- CONSTRUCTION ENTRANCE TO BE DETERMINED BY COUNTY AND CONTRACTOR PRIOR TO CONSTRUCTION.
- SLOPES 3:1 OR GREATER. SLOPE STABILIZATION IS REQUIRED AT ALL PHASES OF CONSTRUCTION.
- FILTER SOCK INSTALLATION IS REQUIRED AT THE TOE OF ALL SLOPES 3:1 OR GREATER.
- BMP INSTALLATION AND APPLICATION TO BE ADJUSTED BASED ON SITE CONDITIONS AND CONSTRUCTION PHASING.

SHEET LEGEND

- SF SILT FENCE
- LOD LIMITS OF DISTURBANCE
- TPF TREE PROTECTION FENCING(TYP)
- 25 FOOT STATE BUFFER
- PROPERTY LINE

SUMMARY OF AREAS

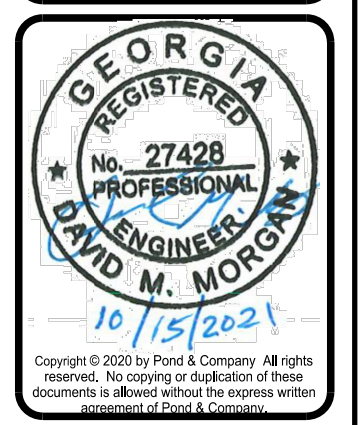
TOTAL SITE AREA: 0.13 ACRES
 ONSITE DISTURBED AREA: 0.13 ACRES
 AREA TO SILT FENCE: 0.06 ACRES
 (CONSISTS OF PERIMETER AREAS, WHERE SEDIMENT STORAGE IS NOT OBTAINABLE. SEDIMENT REMOVAL IS PROVIDED BY SILT FENCING)
 [1/4 ACRE TREATED PER 100 LF SILT FENCE]
 [24 LF SILT FENCE REQUIRED]
 [402 LF SILT FENCE PROVIDED]

24 HR. EROSION CONTROL CONTACT
 PHIL MALLON
 (770) 313-9855

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



Know what's below.
 Call before you dig.
 Dial 811
 Or Call 800-282-7411



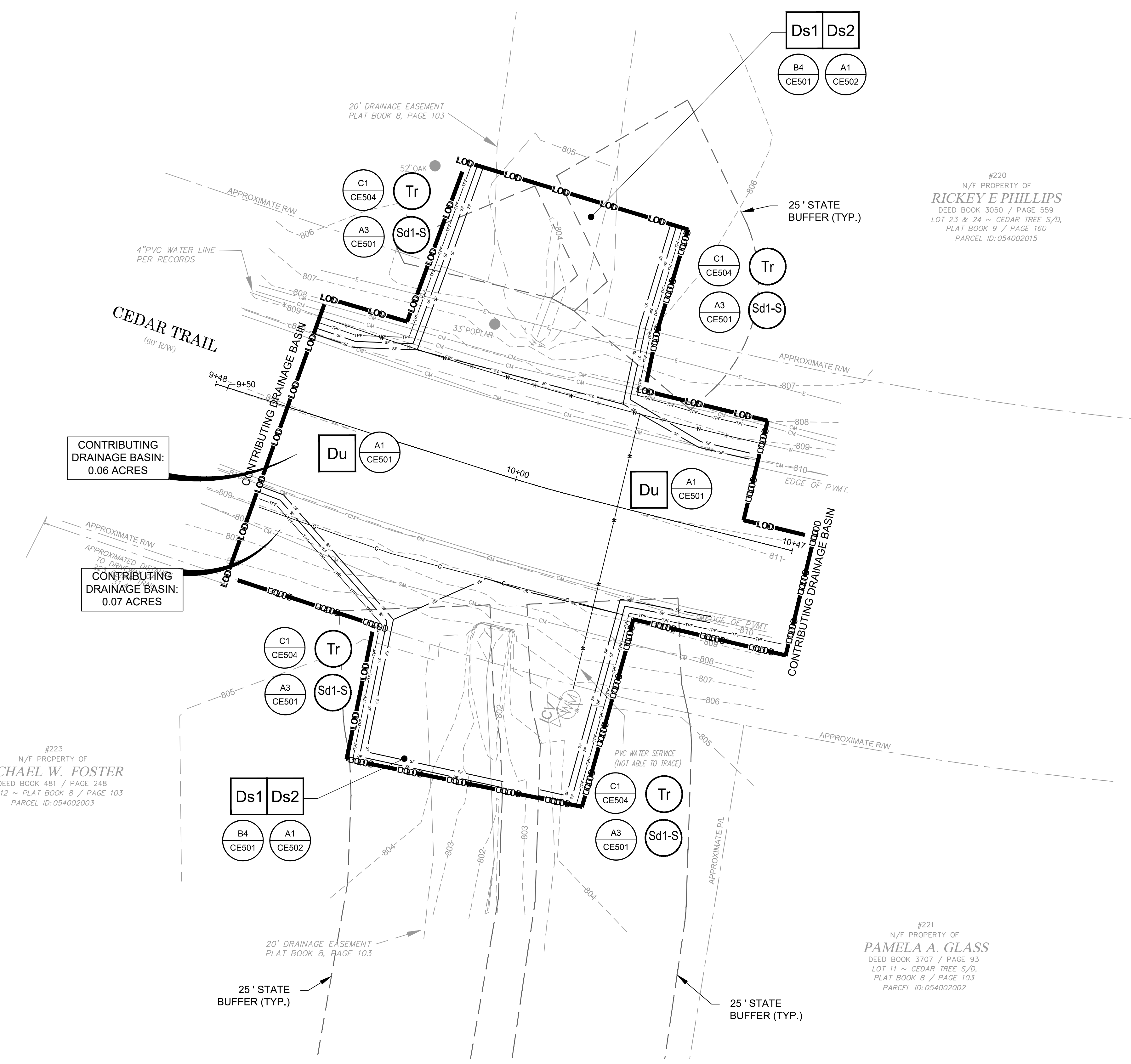
DATE	DESCRIPTION	MARK
08/07/2020 <td>COUNTY COMMENTS <td>1</td> </td>	COUNTY COMMENTS <td>1</td>	1

DESIGNED BY: MIA	DATE: OCTOBER 15, 2021
DRAWN BY: MDA	SOLICITATION NO.: MDM
SUBMITTED BY: DM	CONTRACT NO.:
FILE NAME: CE-101	FILE NUMBER:
SIZE: 27" x 34"	PLOT SCALE:
	PLOT DATE:

FAYETTE COUNTY
 140 STONEWALL AVE W, SUITE 203,
 FAYETTEVILLE, GA, 30214
POND
 5800 Parkway Lane, Suite 500
 Fayetteville, GA 30215
 Phone: (770) 336-7740
 FAX: (770) 336-7741
 POND #2024-113990

CEDAR TRAIL
 CULVERT REPLACEMENT
 FAYETTE COUNTY, GA, 30214
 EROSION AND SEDIMENT
 CONTROL PLAN - INITIAL

SHEET
 IDENTIFICATION
CE-101

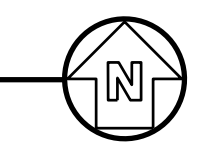
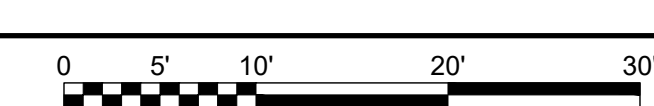


#223
 N/F PROPERTY OF
MICHAEL W. FOSTER
 DEED BOOK 481 / PAGE 248
 LOT 12 ~ PLAT BOOK 8 / PAGE 103
 PARCEL ID: 054002003

#220
 N/F PROPERTY OF
RICKEY E PHILLIPS
 DEED BOOK 3050 / PAGE 559
 LOT 23 & 24 ~ CEDAR TREE S/D,
 PLAT BOOK 9 / PAGE 160
 PARCEL ID: 054002015

#221
 N/F PROPERTY OF
PAMELA A. GLASS
 DEED BOOK 3707 / PAGE 93
 LOT 11 ~ CEDAR TREE S/D,
 PLAT BOOK 8 / PAGE 103
 PARCEL ID: 054002002

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



FILE NAME: X:\FY19\11903691\T02 - Cedar Trail 223 Culvert Replacement\04_CAD_BIM\04.02_CAD\CE100.dwg PLOTTED: Friday, October 15, 2021

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.
- CONTRACTOR TO PROVIDE A SEDIMENT WASH DOWN BMP AT PROJECT EXIT, AND TO BE MAINTAINED AT ALL TIMES. CONTRACTOR MAY USE A CONSTRUCTION ENTRANCE IF APPLICABLE.
- CONSTRUCTION ENTRANCE TO BE DETERMINED BY COUNTY AND CONTRACTOR PRIOR TO CONSTRUCTION.
- SLOPES 3:1 OR GREATER. SLOPE STABILIZATION IS REQUIRED AT ALL PHASES OF CONSTRUCTION.
- FILTER SOCK INSTALLATION IS REQUIRED AT THE TOE OF ALL SLOPES 3:1 OR GREATER.
- BMP INSTALLATION AND APPLICATION TO BE ADJUSTED BASED ON SITE CONDITIONS AND CONSTRUCTION PHASING.

SHEET LEGEND

- SF SILT FENCE
- LOD LIMITS OF DISTURBANCE
- TPF TREE PROTECTION FENCING(TYP)
- PROPERTY LINE
- 25 FOOT STATE BUFFER
- RIPRAP
- CONTRIBUTING BASIN

SUMMARY OF AREAS

TOTAL SITE AREA: 0.13 ACRES
 ONSITE DISTURBED AREA: 0.13 ACRES
 AREA TO SILT FENCE: 0.07 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]
 [24 LF SILT FENCE REQUIRED]
 [402 LF SILT FENCE PROVIDED]

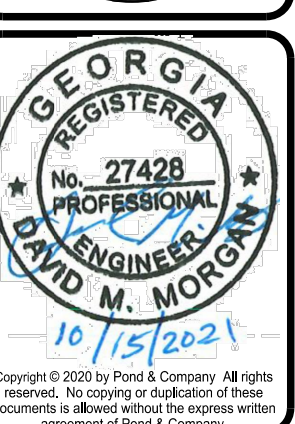
24 HR. EROSION CONTROL CONTACT
 PHIL MALLON
 (770) 313-9855

FOR REVIEW ONLY

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



Know what's below.
 Call before you dig.
 Dial 811
 Or Call 800-282-7411



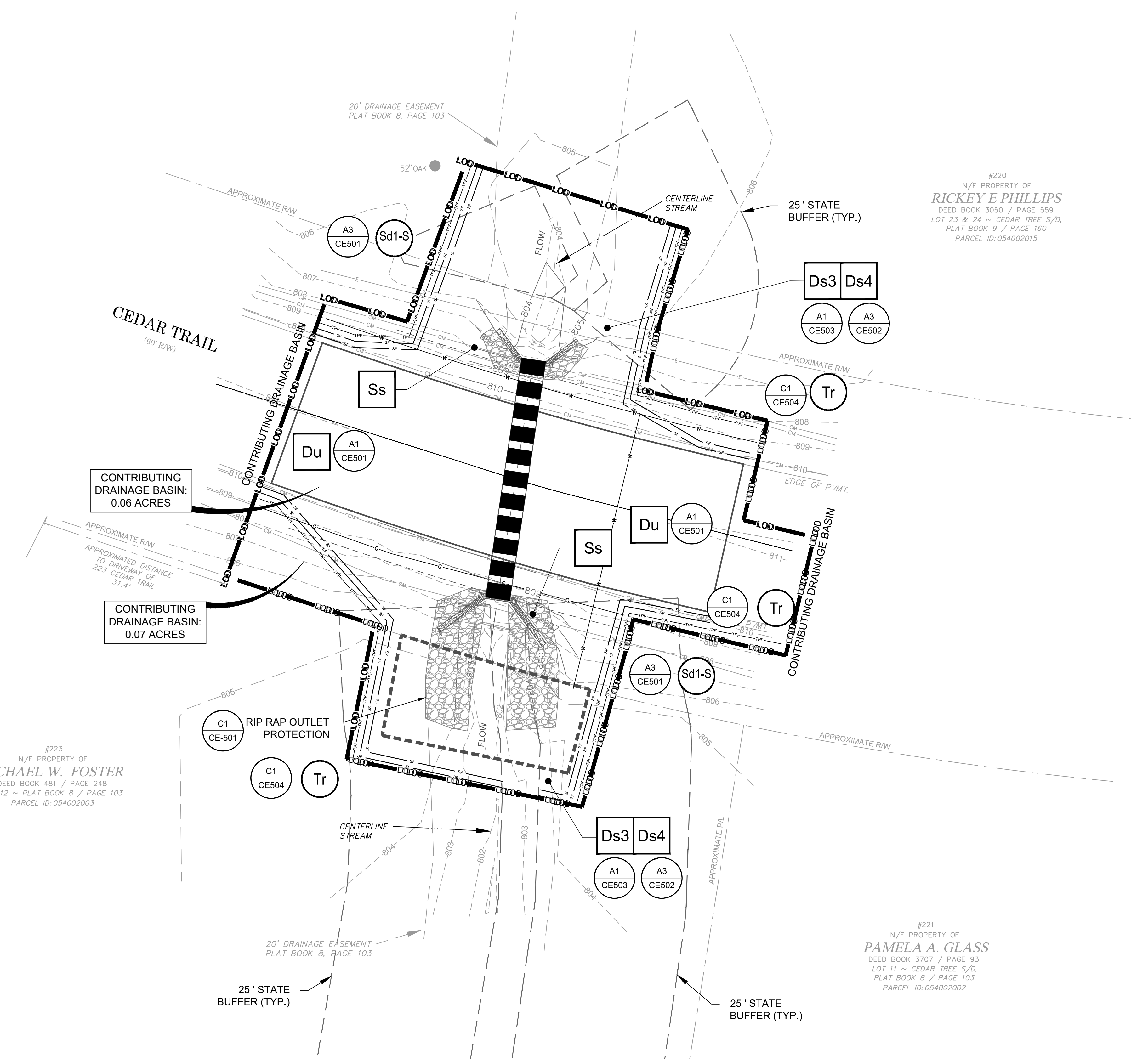
MARK	DATE	DESCRIPTION
1	08/07/2020	COUNTY COMMENTS

DESIGNED BY: MIA	DATE: OCTOBER 15, 2021
DRAWN BY: MDA	SOLICITATION NO.:
SUBMITTED BY: DM	CONTRACT NO.:
FILE NAME: CE-201	FILE NUMBER:
SIZE: 27" x 34"	PLOT SCALE:
	PLOT DATE:

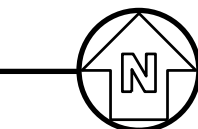
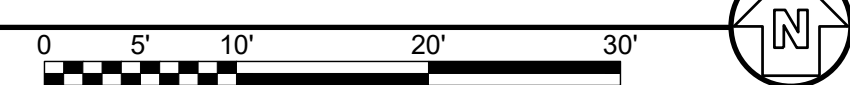
FAYETTE COUNTY
 140 STONEWALL AVE W, SUITE 203,
 FAYETTEVILLE, GA, 30214
POND
 5800 Parkway Lane, Suite 500
 Fayetteville, GA 30215
 Phone 878.336.7740
 FAX 878.336.7741
 POND REGISTRATION #1183980

CEDAR TRAIL
 CULVERT REPLACEMENT
 FAYETTE COUNTY, GA, 30214
 EROSION AND SEDIMENT
 CONTROL PLAN - FINAL

SHEET
 IDENTIFICATION
CE-201

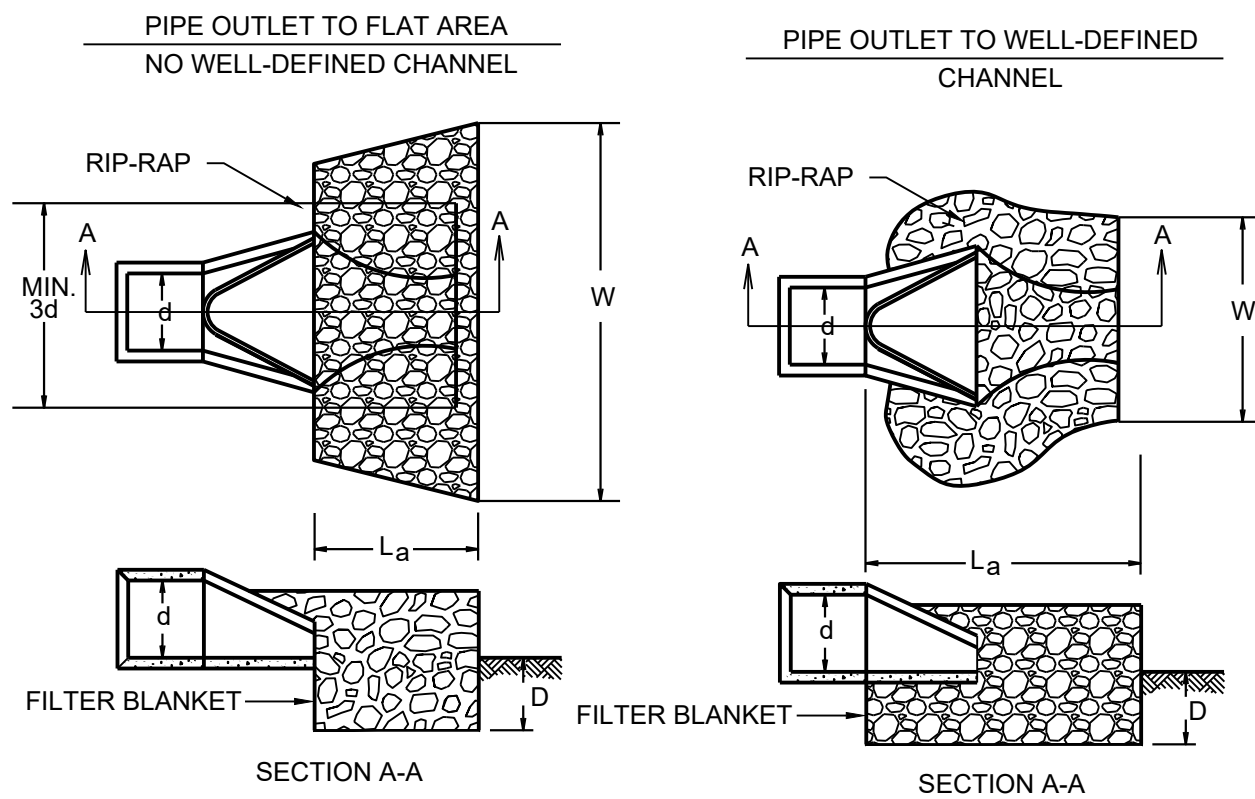


A1 EROSION AND SEDIMENT CONTROL PLAN - FINAL
 SCALE: 1" = 10'



FILE NAME: X:\FY18\1903691\02 - Cedar Trail 223 Culvert Replacement\04_CAD_BIM\04.02_CAD\CE100.dwg PLOTTED: Friday, October 15, 2021

FILE NAME: X:\FY11\1503691\T002 - Cedar Trail 223 Culvert Replacement\04_CAD_BIM\04.02_CAD\CE501.dwg PLOTTED: Friday, October 15, 2021



- NOTES:
1. La IS THE LENGTH OF THE RIP RAP APRON
 2. MAXIMUM STONE DIAMETER = 1.5 TIMES d50
 3. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
 4. APRON THICKNESS = 1.5 TIMES MAXIMUM STONE DIAMETER.
 5. IN A WELL DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH, OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.
 6. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.

OUTLET		Q25 (CFS)	V25 (FT/S)	TAILWATER	APRON LENGTH La (FT.)	APRON WIDTH W (FT.)	RIPRAP SIZE d50 (IN.)
d (IN.)	S (FT/FT)						
(2) 42" RCP	0.10	60	9.0	< 0.5d	22	25.5	8

C1 STORM OUTLET PROTECTION
NO SCALE

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 MINERALS 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.

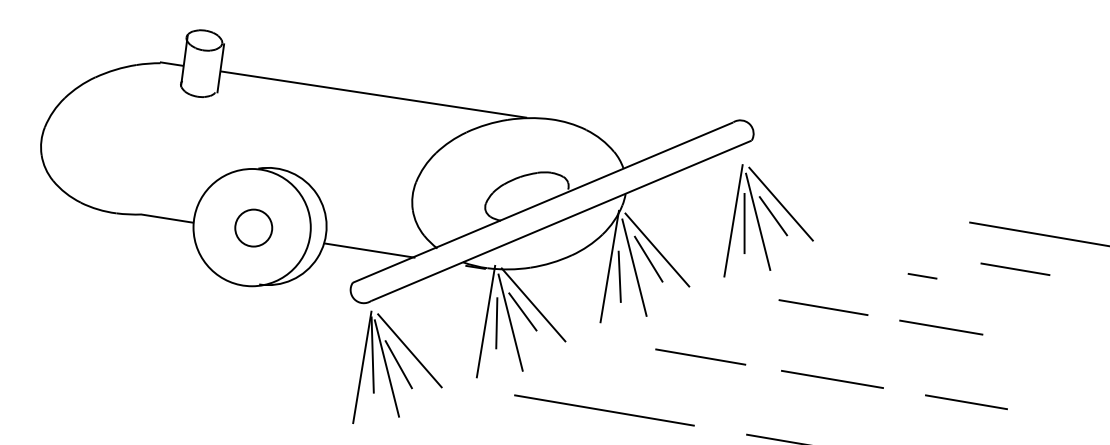
BARRIERS
SOLID BOARD FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 15 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING WIND EROSION.

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.



MAINTENANCE
SEDIMENT SHALL BE REMOVED ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER. FILTER FABRIC SHALL BE REPLACED WHENEVER IT HAS DETERIORATED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE FABRIC IS REDUCED (APPROXIMATELY SIX MONTHS). TEMPORARY SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. ALL SEDIMENT ACCUMULATED AT THE BARRIER SHALL BE REMOVED AND PROPERLY DISPOSED OF BEFORE THE BARRIER IS REMOVED.

A3 TYPE 'S' SILT FENCE
NO SCALE

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. CARE SHOULD BE TAKEN IN AREAS OF PEDESTRIAN TRAFFIC DUE TO PROBLEMS OF "TRACKING IN" OR DAMAGE TO SHOES, CLOTHING, ETC.
4. APPLY POLYETHYLENE FILM ON EXPOSED AREAS.

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 ERECT POSITION. STRAW OR HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION.

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.

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.

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	-

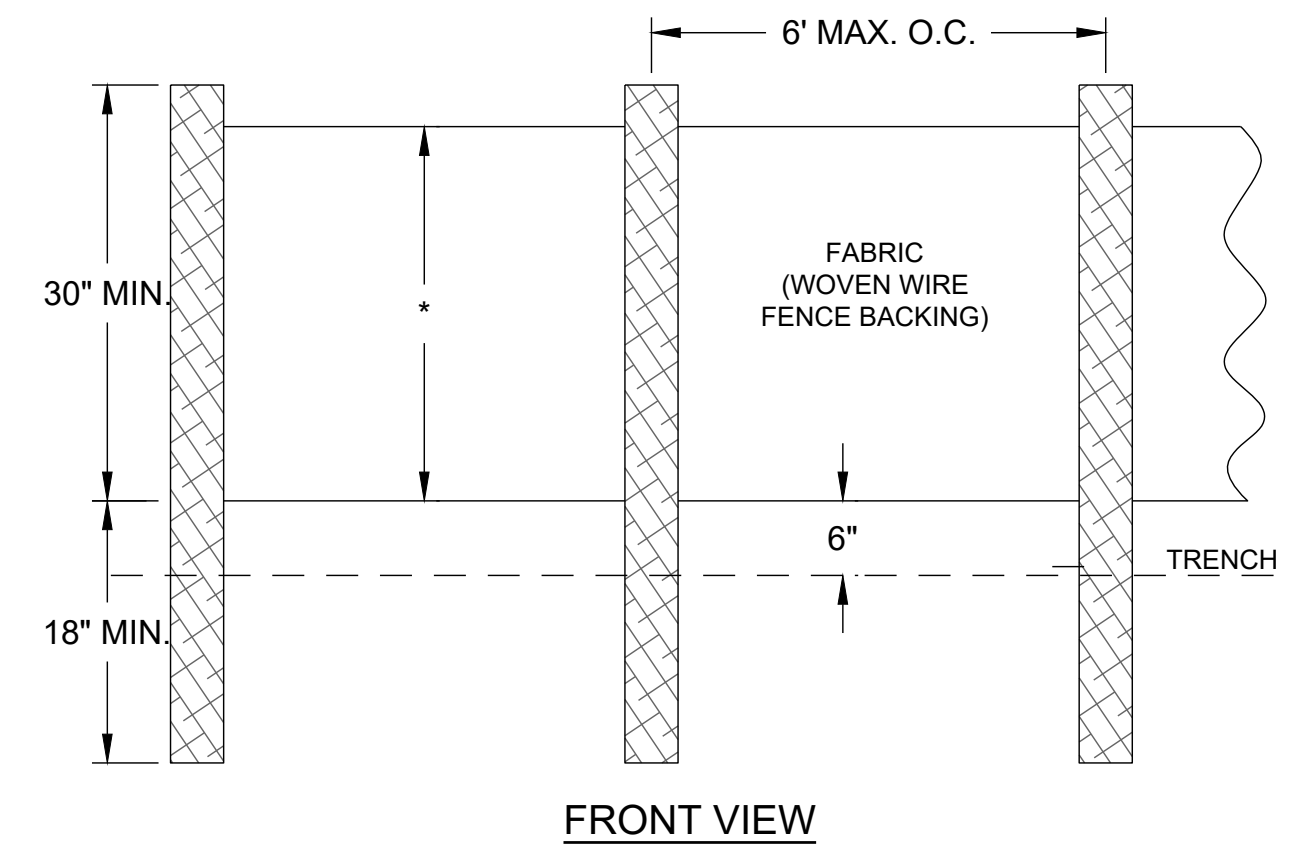
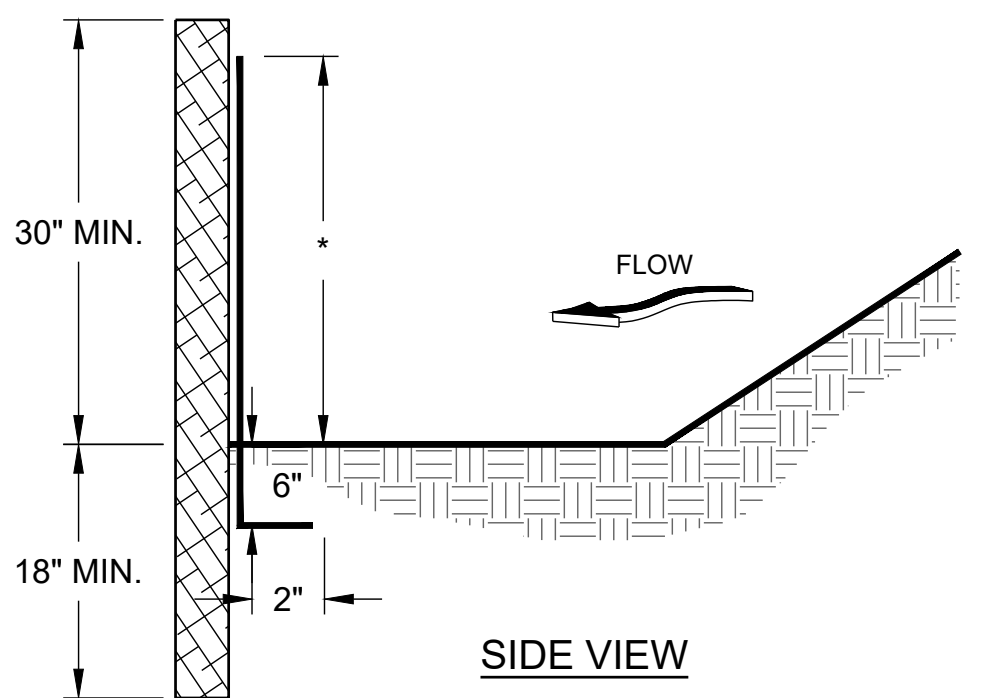
INSTALLATION NOTES:

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.

B4 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
NO SCALE



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.

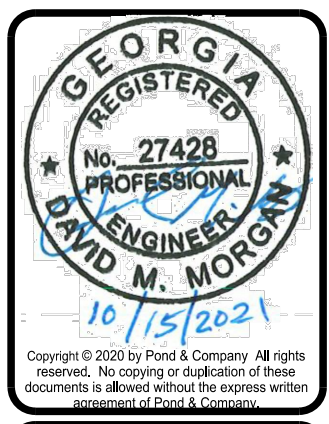
DESIGN PROFESSIONAL:
DAVID MORGAN, P.E.
LEVEL II CERTIFICATION
No.: 0000011643 EXPIRES: 06/03/2024

A1 DUST CONTROL
NO SCALE

Sd1-S



Know what's below.
Call before you dig.
Dial 811
Or Call 800-282-7411



DATE	DESCRIPTION	APPROVED
08/07/2020		

DESIGNED BY: MA	DATE: OCTOBER 15, 2021
DRAWN BY: NDA	SOLICITATION NO.:
CHECKED BY: DM	CONTRACT NO.:
SUBMITTED BY: DM	FILE NUMBER:
FILE NAME: CE-501	PLOT DATE:
SIZE: 22" x 34"	PLOT SCALE:

FAYETTE COUNTY
140 STONEWALL AVE W, SUITE 203,
FAYETTEVILLE, GA, 30214
POND
5800 Highway 140, Box 500
Fayetteville, GA 30214
Phone: 878.336.7740
FAX: 878.336.7740
POND DESIGN NO. 113090

**CEDAR TRAIL
CULVERT REPLACEMENT**
FAYETTE COUNTY, GA, 30214
**EROSION AND SEDIMENT
CONTROL DETAILS**

SHEET IDENTIFICATION
CE-501

TEMPORARY SEEDING:

SEEDBED PREPARATION: WHEN USING CONVENTIONAL OR HAND-SEEDING, SEEDBED PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL. WHEN SOIL HAS BEEN SEALED BY RAINFALL OR CONSISTS OF SMOOTH UNDISTURBED CUT SLOPES, THE SOIL SHALL HAVE PITTED, TRENCHED OR OTHERWISE SCARIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.

LIME AND FERTILIZER: AGRICULTURAL LIME IS REQUIRED UNLESS SOIL TESTS INDICATE OTHERWISE. APPLY AGRICULTURAL LIME AT A RATE OF ONE TON PER ACRE. GRADED AREAS REQUIRE LIME APPLICATION. SOILS CAN BE TESTED TO SEE IF FERTILIZER IS NEEDED. ON REASONABLY FERTILE SOILS OR SOIL MATERIAL, FERTILIZER IS NOT REQUIRED. FOR SOILS WITH VERY LOW FERTILITY, 500 TO 700 POUNDS OF 10-10-10 FERTILIZER OF THE EQUIVALENT PER ACRE (12-16 LBS/1000 SQ. FT.) SHALL BE APPLIED. FERTILIZER SHOULD BE APPLIED BEFORE LAND PREPARATION AND INCORPORATED WITH A DISK, RIPPER OR CHISEL.

SEEDING: REFER TO TEMPORARY SEEDING CHART THIS PAGE.

APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER-SEEDER, OR HYDRAULIC SEEDER (SLURRY INCLUDING SEED AND FERTILIZER). DRILL OR CULTIPACKER SEEDERS SHOULD NORMALLY PLACE SEED ONE-QUARTER TO ONE-HALF INCH DEEP. APPROXIMATE DEPTH OF PLANTING IS TEN TIMES THE SEED DIAMETER. SOIL SHOULD BE RAKED LIGHTLY TO COVER SEED WITH SOIL, IF SEEDING BY HAND.

TABLE 2. FERTILIZER REQUIREMENTS FOR TEMPORARY VEGETATION

Table with 5 columns: Types of Species, Planting Year, Fertilizer (N-P-K), Rate (lbs./acre), and Top Dressing Rate (lbs./acre). Rows include Cool season grasses, Cool season grasses and legumes, Temporary cover crops seeded alone, and Warm season grasses.

INSTALLATION NOTES:

- 1. INSTALL ALL E&SC MEASURES PRIOR TO APPLYING TEMPORARY VEGETATION.
2. GRADING OR SHAPING ARE NOT REQUIRED IF SLOPES CAN BE PLANTED WITH A HYDROSEEDER OR BY HAND-SEEDING.
3. SEEDBED PREPARATION IS NOT REQUIRED IF SOIL IS LOOSE AND NOT SEALED BY RAIN.
4. WHEN THE SOIL IS SEALED OR CRUSTED, IT SHOULD BE PITTED, TRENCHED OR SCARIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.
5. AGRICULTURAL LIME IS NOT REQUIRED.
6. FERTILIZE LOW FERTILITY SOILS PRIOR TO OR DURING PLANTING AT THE RATE OF 500-700 LBS./ACRE OF 10-10-10 FERTILIZER OR EQUIVALENT (12-16 LBS./1000 SQ. FT.).
7. IT IS IMPERATIVE THAT YOU CHECK THE TAG ON THE BAG OF SEED TO VERIFY THE TYPE AND GERMINATION OF THE SEED TO BE PLANTED.
8. APPLY SEED BY HAND, CYCLONE SEEDER, DRILL OR HYDRO-SEEDER. SEED PLANTED WITH A DRILL SHOULD BE PLANTED 1/2"-3/4" DEEP.
9. APPLY IN ACCORDANCE WITH SPECIFICATIONS ON THE E&SC PLAN. IF INFORMATION IS NOT AVAILABLE, SELECT A TEMPORARY COVER FROM TABLE 1.
10. TEMPORARY COVER SHALL BE APPLIED TO ALL DISTURBED AREAS LEFT IDLE FOR 14 DAYS. (IF AN AREA IS LEFT IDLE FOR 6 MONTHS, PERMANENT COVER SHALL BE APPLIED.)

MAINTENANCE NOTE:

RE-SEED AREAS WHERE AN ADEQUATE STAND OF TEMPORARY VEGETATION FAILS TO EMERGE OR WHERE A POOR STAND EXISTS.

TABLE 1. SOME TEMPORARY PLANT SPECIES, SEEDING RATES AND PLANTING DATES

Table with 6 columns: Species, Rates per 1,000 sq. ft., Rates per Acre, Region M-L (Mountain, Blue Ridge, Ridges and Valley), Region P (Southern Piedmont), and Region C (Southern Coastal Plain, Sand Hills, Black Lands, and Atlantic Coastal Flatwoods). Rows include Barley, Lespedeza, Lovegrass, Millet, Oats, Rye, Ryegrass, Sudangrass, and Wheat.

- 1. UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVY SEEDING RATES.
2. SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND LOCAL CONDITIONS.
3. FOR MAJOR LAND RESOURCE AREAS (MLRAs), SEE "TACKIFIERS AND BINDERS" OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION.
3. SEEDING RATES ARE BASED ON PURE LIVE SEED (PLS).

Seeding Schedule Temporary Cover chart showing species (Barley, Lespedeza, Lovegrass, Millet, Oats, Rye, Ryegrass, Sudangrass, Wheat) and planting dates (J, F, M, A, M, J, J, A, S, O, N, D) for alone and in mixtures.

SEEDING SCHEDULE TEMPORARY COVER

A1 NO SCALE

Ds2

DEFINITION

A PERMANENT VEGETATIVE COVER USING SODS ON HIGHLY ERODIBLE OR CRITICALLY ERODED LANDS.

CONDITIONS

THIS APPLICATION IS APPROPRIATE FOR AREAS WHICH REQUIRE IMMEDIATE VEGETATIVE COVERS, DROP INLETS, GRASS SWALES, AND WATERWAYS WITH INTERMITTENT FLOW.

PLANNING CONSIDERATIONS

SODDING CAN INITIALLY BE MORE COSTLY THAN SEEDING, BUT THE ADVANTAGES JUSTIFY THE INCREASED INITIAL COSTS.

- 1. IMMEDIATE EROSION CONTROL, GREEN SURFACE, AND QUICK USE.
2. REDUCED FAILURE AS COMPARED TO SEED AS WELL AS THE LACK OF WEEDS
3. CAN BE ESTABLISHED NEARLY YEAR-ROUND.

SODDING IS PREFERABLE TO SEED IN WATERWAYS AND SWALES BECAUSE OF THE IMMEDIATE PROTECTION OF THE CHANNEL AFTER APPLICATION. SODDING MUST BE STAKED IN CONCENTRATED FLOW AREAS (SEE FIGURE 6-6.1) CONSIDER USING SOD FRAMED AROUND DROP INLETS TO REDUCE SEDIMENTS AND MAINTAINING THE GRADE.

CONSTRUCTION SPECIFICATIONS INSTALLATION

SOIL PREPARATION

BRING SOIL SURFACE TO FINAL GRADE. CLEAR SURFACE OF TRASH, WOODY DEBRIS, STONES AND CLOUDS LARGER THAN 1". APPLY SOD TO SOIL SURFACES ONLY AND NOT FROZEN SURFACES, OR GRAVEL TYPE SOILS. TOPSOIL PROPERLY APPLIED WILL HELP GUARANTEE A STAND. DON'T USE TOPSOIL RECENTLY TREATED WITH HERBICIDES OR SOIL STERILANTS. MIX FERTILIZER INTO SOIL SURFACE. FERTILIZE BASED ON SOIL TESTS OR TABLE 6-6.1.

INSTALLATION

LAY SOD WITH TIGHT JOINTS AND IN STRAIGHT LINES. DON'T OVERLAP JOINTS. STAGGER JOINTS AND DO NOT STRETCH SOD (SEE FIGURE 6-6.2) ON SLOPES STEEPER THAN 3:1. SOD SHOULD BE ANCHORED WITH PINS OR OTHER APPROVED METHODS. INSTALLED SOD SHOULD BE ROLLED OR TAMPED TO PROVIDE GOOD CONTACT BETWEEN SOD AND SOIL. IRRIGATE SOD AND SOIL TO A DEPTH OF 4" IMMEDIATELY AFTER INSTALLATION. SOD SHOULD NOT BE CUT OR SPREAD IN EXTREMELY WET OR DRY WEATHER. IRRIGATION SHOULD BE USED TO SUPPLEMENT RAINFALL FOR A MINIMUM OF 2-3 WEEKS.

MATERIALS

SOD SELECTED SHOULD BE CERTIFIED. SOD GROWN IN THE GENERAL AREA OF THE PROJECT IS DESIRABLE.

- 1. SOD SHOULD BE MACHINE CUT AND CONTAIN 3/4" (+ OR - 1/4") OF SOIL, NOT INCLUDING SHOOTS OR THATCH.
2. SOD SHOULD BE CUT TO THE DESIRED SIZE WITHIN + OR - 5% TORN OR UNEVEN PADS SHOULD BE REJECTED.
3. SOD SHOULD BE CUT AND INSTALLED WITHIN 36 HOURS OF DIGGING.
4. AVOID PLANTING WHEN SUBJECT TO FROST HEAVE OR HOT WEATHER IF IRRIGATION IS NOT AVAILABLE.
5. THE SOD TYPE SHOULD BE SHOWN ON THE PLANS OR INSTALLED ACCORDING TO TABLE 6-6.2. SEE FIGURE 6-4.1 FOR YOUR RESOURCE AREA.

MAINTENANCE

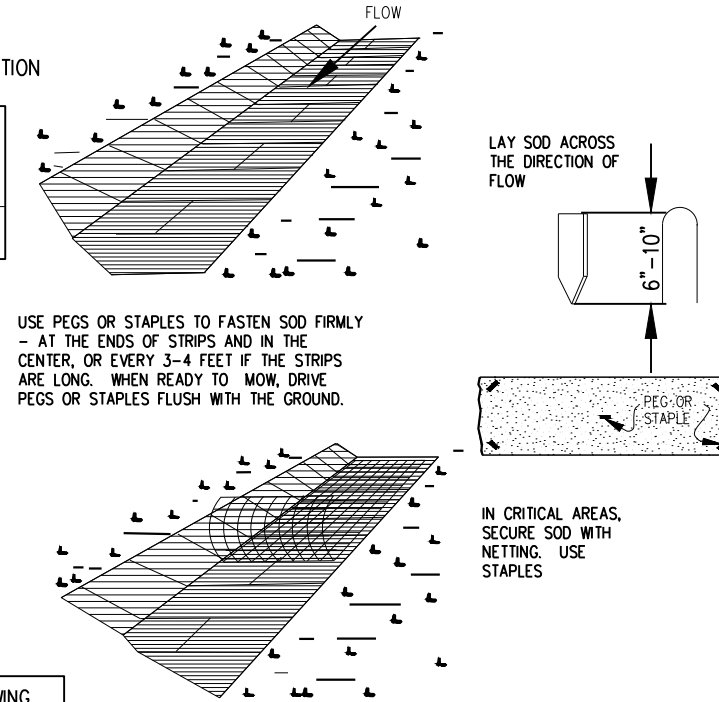
RE-SOD AREAS WHERE AN ADEQUATE STAND OF SOD IS NOT OBTAINED. NEW SOD SHOULD BE MOWED SPARINGLY. GRASS HEIGHT SHOULD NOT BE CUT LESS THAN 2"-3" OR AS SPECIFIED (SEE FIGURE 6-6.2). APPLY ONE TON OF AGRICULTURAL LIME AS INDICATED BY SOIL TEST OR EVERY 4-6 YEARS. FERTILIZE GRASSES IN ACCORDANCE WITH SOIL TESTS OR TABLE 6-6.3

Fertilizer Requirements for Sod table with columns: Types of Species, Planting Year, Fertilizer (N-P-K), Rate (lbs./acre), and Nitrogen Top Dressing Rate (lbs./acre).

FERTILIZER REQUIREMENTS FOR SOIL SURFACE APPLICATION

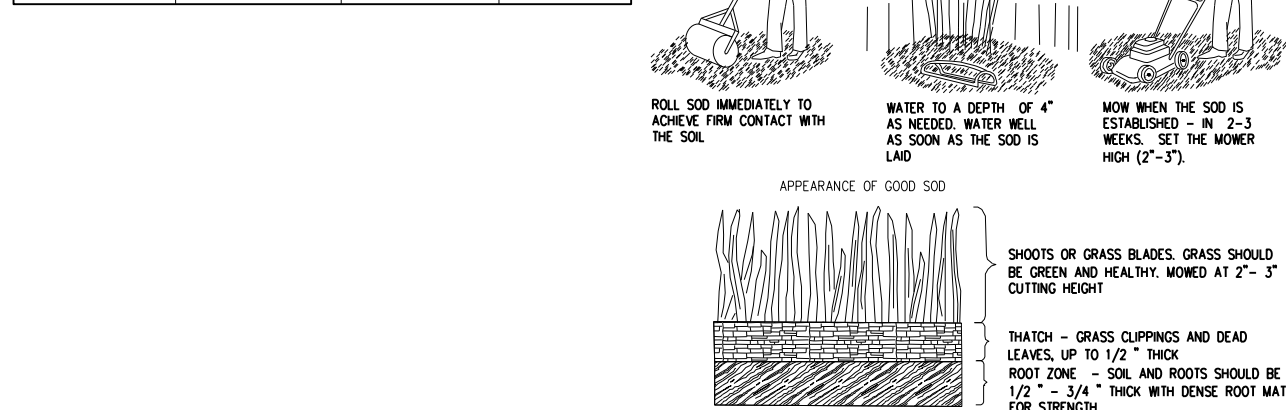
Fertilizer Requirements for Soil Surface Application table with columns: Fertilizer Type, Fertilizer Rate (lbs/acre), Fertilizer Rate (lbs/sq ft), and Season.

AGRICULTURAL LIME SHOULD BE APPLIED BASED ON SOIL TESTS OR AT A RATE OF 1 TO 2 TONS PER ACRE.



SOD PLANTING REQUIREMENTS

Sod Planting Requirements table with columns: Grass, Varieties, Resource Area Season, and Growing.



Ds-4 DISTURBED AREA STABILIZATION W/ SODDING N.T.S.

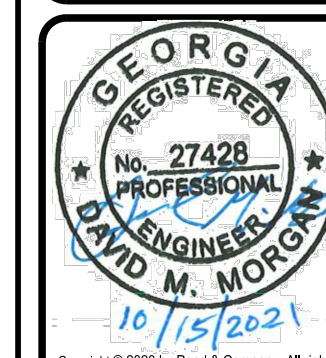
A3 DISTURBED AREA STABILIZATION W/ SODDING NO SCALE

Ds4

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



Know what's below. Call before you dig. Dial 811 Or Call 800-282-7411



10/15/2021

Copyright © 2020 by Pond & Company. All rights reserved. No copying or circulation of these documents is allowed without the express written permission of Pond & Company.

Table with columns: COUNTY COMMENTS, MARK, DATE, and DESCRIPTION.

Table with columns: DESIGNED BY, DWN BY, SUBMITTED BY, FILE NAME, SIZE, PLOT SCALE, PLOT DATE.

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

CEDAR TRAIL CULVERT REPLACEMENT FAYETTE COUNTY, GA, 30214 EROSION AND SEDIMENT CONTROL DETAILS

SHEET IDENTIFICATION CE-502

THE PLANTING OF PERENNIAL VEGETATION SUCH AS TREES, SHRUBS, VINES, GRASSES, OR LEGUMES ON EXPOSED AREAS FOR FINAL PERMANENT STABILIZATION...

INSTRUCTIONS
THIS PRACTICE SHALL BE APPLIED IMMEDIATELY TO ROUGH GRADED AREAS THAT WILL BE UNDISTURBED FOR LONGER THAN SIX MONTHS...

- PLANNING CONSIDERATIONS
1. USE CONVENTIONAL PLANTING METHODS WHERE POSSIBLE.
2. WHEN MIXED PLANTINGS ARE DONE DURING MARGINAL PLANTING PERIODS...

GRADING & SHAPING
GRADING AND SHAPING MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED...

LIME AND FERTILIZER APPLICATION
WHEN HYDRAULIC SEEDING EQUIPMENT IS USED, THE INITIAL FERTILIZER SHALL BE MIXED WITH SEED, INOCULANT (IF NEEDED)...

- FINELY GROUND LIMESTONE WILL BE MIXED WITH WATER AND APPLIED IMMEDIATELY AFTER MULCHING IS COMPLETED OR IN COMBINATION WITH THE TOP DRESSING...

LIME AND FERTILIZER RATES AND ANALYSIS

AGRICULTURAL LIME IS REQUIRED AT A RATE OF ONE TO TWO TONS PER ACRE UNLESS SOIL TESTS INDICATE OTHERWISE...

LIME SPREAD BY CONVENTIONAL EQUIPMENT SHALL BE "GROUND LIMESTONE" - GROUND LIMESTONE IS CALCITIC OR DOLOMITIC LIMESTONE GROUND SO THAT 90% OF THE MATERIAL WILL PASS THROUGH A 10-MESH SIEVE...

AGRICULTURAL LIME SPREAD BY HYDRAULIC SEEDING EQUIPMENT SHALL BE "FINELY GROUND LIMESTONE" - FINELY GROUND LIMESTONE IS CALCITIC OR DOLOMITIC LIMESTONE GROUND SO THAT 80% OF THE MATERIAL WILL PASS THROUGH A 20-MESH SIEVE...

IT IS DESIRABLE TO USE DOLOMITIC LIMESTONE IN THE SAND HILLS, SOUTHERN COASTAL PLAIN AND ATLANTIC COAST FLATWOODS MLRAS...

PLANT SELECTION

REFER TO TABLES 6-4.1, 6-5.2, 6-5.3 AND 6-5.4 FOR APPROVED SPECIES. SPECIES NOT LISTED SHALL BE APPROVED BY THE STATE RESOURCE CONSERVATIONIST OF THE NATURAL RESOURCE CONSERVATION SERVICE...

PLANT SELECTION MAY ALSO INCLUDE ANNUAL COMPANION CROPS. ANNUAL COMPANION CROPS SHOULD BE USED ONLY WHEN THE PERENNIAL SPECIES ARE NOT PLANTED DURING THEIR OPTIMUM PLANTING PERIOD...

SEED QUALITY

THE TERM "PURE LIVE SEED" IS USED TO EXPRESS THE QUALITY OF SEED AND IS NOT SHOWN ON THE LABEL. PURE LIVE SEED, PLS, IS EXPRESSED AS A PERCENTAGE OF THE SEEDS THAT ARE PURE AND WILL GERMINATE...

THE PERCENT OF PLS HELPS YOU DETERMINE THE AMOUNT OF SEED YOU NEED. FOR EXAMPLE IF THE SEEDING RATE IS 10 POUNDS PLS AND THE BULK SEED IS 56% PLS...

YOU WOULD NEED TO PLANT 17.9 LBS/ACRE TO PROVIDE 10 LBS/ACRE OF PURE LIVE SEED.

SEEDBED PREPARATION

SEEDBED PREPARATION MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. WHEN CONVENTIONAL SEEDING IS TO BE USED, SEEDBED PREPARATION WILL BE DONE AS FOLLOWS:

BROADCAST PLANTINGS:

- 1. TILLAGE AT A MINIMUM, SHALL ADEQUATELY LOOSEN THE SOIL TO A DEPTH OF 4 TO 6 IN. ALLEVIATE COMPACTION; INCORPORATE LIME AND FERTILIZER...
2. TILLAGE MAY BE DONE WITH ANY SUITABLE EQUIPMENT.

INDIVIDUAL PLANTS

- 1. WHERE INDIVIDUAL PLANTS ARE TO BE SET, THE SOIL SHALL BE PREPARED BY EXCAVATING HOLES, OPENING FURROWS, OR DIBBLE PLANTING.
2. FOR NURSERY STOCK PLANTS, HOLES SHALL BE LARGE ENOUGH TO ACCOMMODATE ROOTS WITHOUT CROWDING.

INOCULANTS

ALL LEGUME SEED SHALL BE INOCULATED WITH APPROPRIATE NITROGEN-FIXING BACTERIA. THE INOCULANT SHALL BE A PURE CULTURE PREPARED SPECIFICALLY FOR THE SEED SPECIES AND USED WITHIN THE DATES ON THE CONTAINER...

PLANTING

HYDRAULIC SEEDING: MIX THE SEED (INOCULATED IF NEEDED), FERTILIZER, AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH WITH WATER AND APPLY IN A SLURRY UNIFORMLY OVER THE AREA TO BE TREATED...

CONVENTIONAL SEEDING: SEEDING WILL BE DONE ON A FRESHLY PREPARED AND FIRMED SEEDBED. FOR BROADCAST PLANTING, USE A CULTIPACKER-SEEDER, DRILL, ROTARY SEEDER, OTHER MECHANICAL SEEDER, OR HAND SEEDING TO DISTRIBUTE THE SEED UNIFORMLY OVER THE AREA TO BE TREATED...

NO-TILL SEEDING: NO-TILL SEEDING IS PERMISSIBLE INTO ANNUAL COVER CROPS WHEN PLANTING IS DONE FOLLOWING MATURITY OF THE COVER CROP OR IF THE TEMPORARY COVER STAND IS SPARSE ENOUGH TO ALLOW ADEQUATE GROWTH OF THE PERENNIAL (PERENNIAL) SPECIES...

INDIVIDUAL PLANTS, SHRUBS, VINES AND SPRIGS MAY BE PLANTED WITH APPROPRIATE PLANTERS OR HAND TOOLS. PINE TREES SHALL BE PLANTED MANUALLY IN THE SUBSOIL FURROW. EACH PLANT SHALL BE SET IN A MANNER THAT WILL AVOID CROWDING THE ROOTS...

MULCHING
MULCH IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO SEEDBED AREAS SHALL ACHIEVE 75% SOIL COVER. SELECT THE MULCHING MATERIAL FROM THE FOLLOWING AND APPLY AS INDICATED.

DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED. DRY STRAW SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. DRY HAY SHALL BE APPLIED AT A RATE OF 2 1/2 TONS PER ACRE...

PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF 3 INCHES FOR BEDDING PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED...

APPLYING MULCH
STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY WITHIN 24 HOURS AFTER SEEDING AND/OR PLANTING. THE MULCH MAY BE SPREAD BY BLOWER TYPE SPREADING EQUIPMENT...

ANCHORING MULCH
ANCHOR STRAW OR HAY MULCH IMMEDIATELY AFTER APPLICATION BY ONE OF THE FOLLOWING METHODS:
EMULSIFIED ASPHALT CAN BE (A) SPRAYED UNIFORMLY ONTO THE MULCH AS IT IS EJECTED FROM THE BLOWER MACHINE OR (B) SPRAYED ON THE MULCH IMMEDIATELY FOLLOWING MULCH APPLICATION...

BEDDING MATERIAL: MULCH USED AS A BEDDING MATERIAL TO CONSERVE MOISTURE AND CONTROL WEEDS IN NURSERIES, ORNAMENTAL BEDS, AROUND SHRUBS, AND ON BARE AREAS ON LAWNS.
MATERIAL DEPTH:
GRASS HAY 4" TO 6"
PINE NEEDLES 3" TO 5"
WOOD WASTE 4" TO 9"

IRRIGATION: IRRIGATION WILL BE APPLIED AT A RATE THAT WILL NOT CAUSE RUNOFF.

TOPDRESSING: WILL BE APPLIED ON ALL TEMPORARY AND PERMANENT (PERENNIAL) SPECIES PLANTED ALONE OR IN MIXTURES WITH OTHER SPECIES. RECOMMENDED RATES OF APPLICATION ARE LISTED IN TABLE 6-5.1.

SECOND YEAR AND MAINTENANCE FERTILIZATION: SECOND YEAR FERTILIZER RATES AND MAINTENANCE FERTILIZER RATES ARE LISTED IN TABLE 6-5.1.

USE AND MANAGEMENT: MOW SERICEA LESPEDEZA ONLY AFTER FROST TO ENSURE THAT THE SEEDS ARE MATURE. MOW BETWEEN NOVEMBER AND MARCH. BERMUDAGRASS, BAHAGRASS AND TALL FESCUE MAY BE MOWED AS DESIRED...

SEEDING SCHEDULE PERMANENT COVER
NO SCALE

Table with columns: COOL SEASON GRASSES, COOL SEASON GRASSES AND LEGUMES, GROUND COVERS, PINE SEEDLINGS, WARM SEASON GRASSES, WARM SEASON GRASSES AND LEGUMES. Includes analysis or equivalent rates and N top dressing rates.

- 1/ APPLY IN SPRING FOLLOWING SEEDING.
2/ APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED.
3/ APPLY IN 3 SPLIT APPLICATIONS.
4/ APPLY WHEN PLANTS ARE PRUNED.
5/ APPLY WHEN PLANTS ARE PRUNED.
6/ APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES.

SEEDING SCHEDULE PERMANENT COVER
NO SCALE

SEEDING SCHEDULE PERMANENT COVER
NO SCALE

SEEDING SCHEDULE PERMANENT COVER
NO SCALE

SEEDING SCHEDULE PERMANENT COVER
NO SCALE

SEEDING SCHEDULE PERMANENT COVER
NO SCALE

PLANTS, PLANTING RATES, AND PLANTING DATES

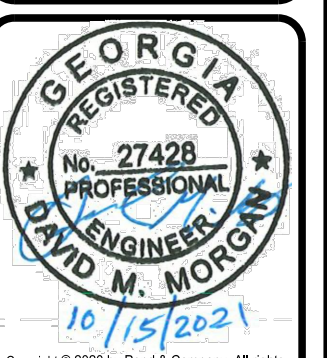
Table with columns: SPECIES, BROADCAST RATES, RESOURCE AREA, PLANTING DATES BY RESOURCE AREAS, REMARKS. Includes rows for Bahia Pensacola, Bahia Wilmington, Bermuda Common, Bermuda Sprigs, Coastal Common, Centipepe.

PLANTS, PLANTING RATES, AND PLANTING DATES

Table with columns: SPECIES, BROADCAST RATES, RESOURCE AREA, PLANTING DATES BY RESOURCE AREAS, REMARKS. Includes rows for Crownvetch, Fescue Tall, Kudzu, Lespedeza Sericea, Scarified, Unscarified, Seed-bearing Hay.

PLANTS, PLANTING RATES, AND PLANTING DATES

Table with columns: SPECIES, BROADCAST RATES, RESOURCE AREA, PLANTING DATES BY RESOURCE AREAS, REMARKS. Includes rows for Lespedeza Virgata, Scarified, Unscarified, Lespedeza Shrub, Plants, Lovegrass, Maiden cane, Sprigs, Panicgrass, Reed Canary Grass, Sunflower Aztec.



DESIGNED BY: MA
DRAWN BY: MDMA
CHECKED BY: DM
SUBMITTED BY: DM

DATE: OCTOBER 15, 2021
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER: CE-600

PLOT DATE:
PLOT SCALE: 2" = 3'

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

APPR.

MARK

DESCRIPTION

1 COUNTY COMMENTS

DATE: 08/07/2020

TREE SAVE AREA: STAY OUT, NO GRADING, NO TRECHING, NO MATERIALS STORAGE, NO VEHICLES

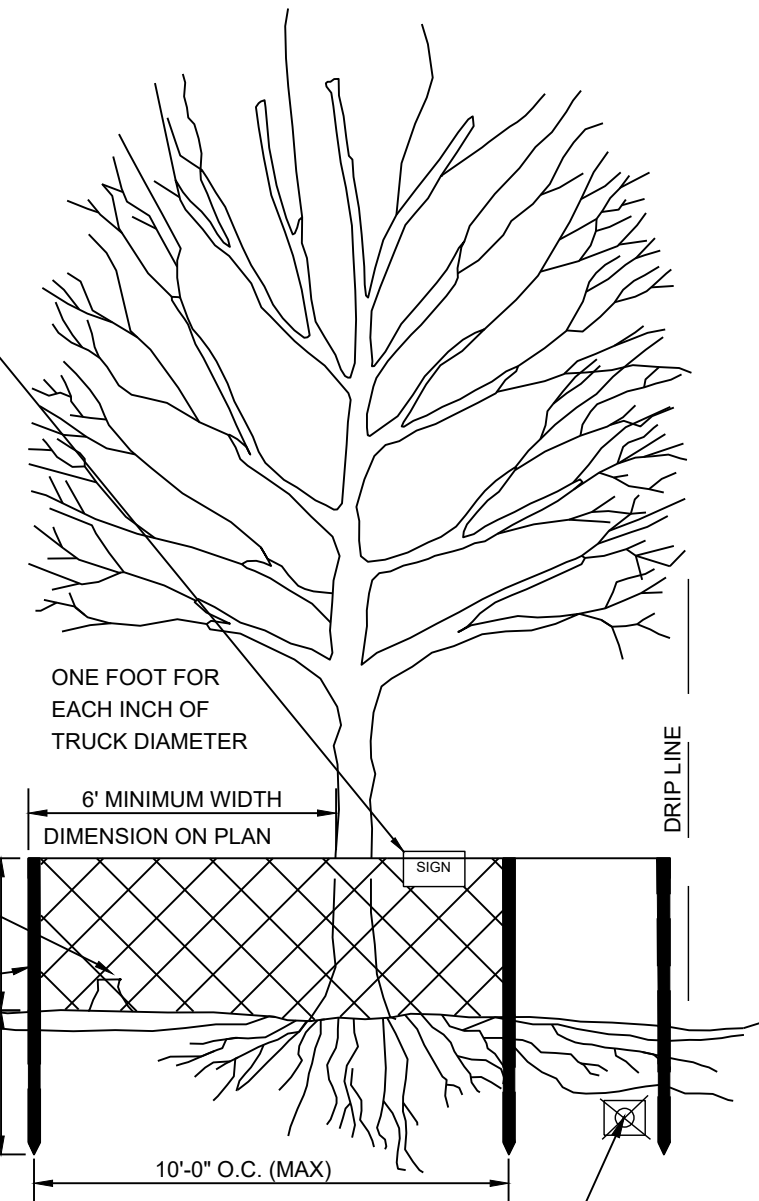
ANY ROOT OR BRANCH PRUNING SHALL BE DONE ONLY BY A LICENSED ARBORIST AT CONTRACTORS EXPENSE. NO GRADE CHANGE IS TO OCCUR IN TREE SAVE AREA. NO TREE WELLS OR AERATION SYSTEM. DO NOT DISTURB ORIGINAL GRADE.

DEAD TREES AND SHRUB GROWTH SHALL BE CUT FLUSH WITH ADJACENT GRADE. NO GRUBBING ALLOWED UNDER DRIP LINE.

ORANGE SAFETY NET ON METAL POSTS; 2"x4"x4' STANDARDS

REMOVE ALL BARRIERS UPON COMPLETION OF PROJECT.

DESTRUCTION/DEATH OF TREE DUE TO CONTRACTOR OPERATONS WILL REQUIRE "RECOMPENSE" PLANTING, AT CONTRACTOR'S EXPENSE.



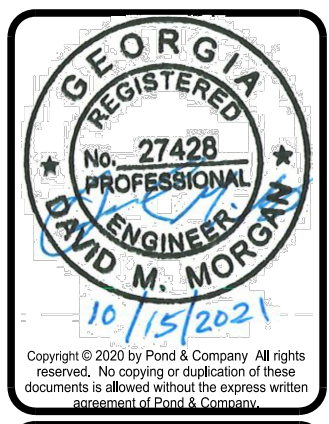
NOTES:

1. SPACE STAKES AT INTERVALS SUFFICIENT TO MAINTAIN ALL FENCING OUT OF
2. DRIP LINE OR AS SHOWN BY ENGINEER (SET STAKES NO GREATER THAN 6 FEET ON CENTER-REBAR IS NOT TO BE USED FOR STAKES).
3. MAINTAIN FENCE BY REPAIRING AND/OR REPLACING DAMAGED FENCE. DO NOT REMOVE FENCING PRIOR TO LANDSCAPING OPERATIONS.
4. DO NOT STORE OR STACK MATERIALS, EQUIPMENT, OR VEHICLES WITHIN FENCED AREA.
5. FENCE SHALL BE ORANGE VINYL "SNOW FENCE" 4' HIGH MINIMUM.

NO TRENCHING OR TUNNELING FOR UTILITIES IN TREE SAVE AREA

C1 TREE PROTECTION FENCE
NO SCALE

Tr



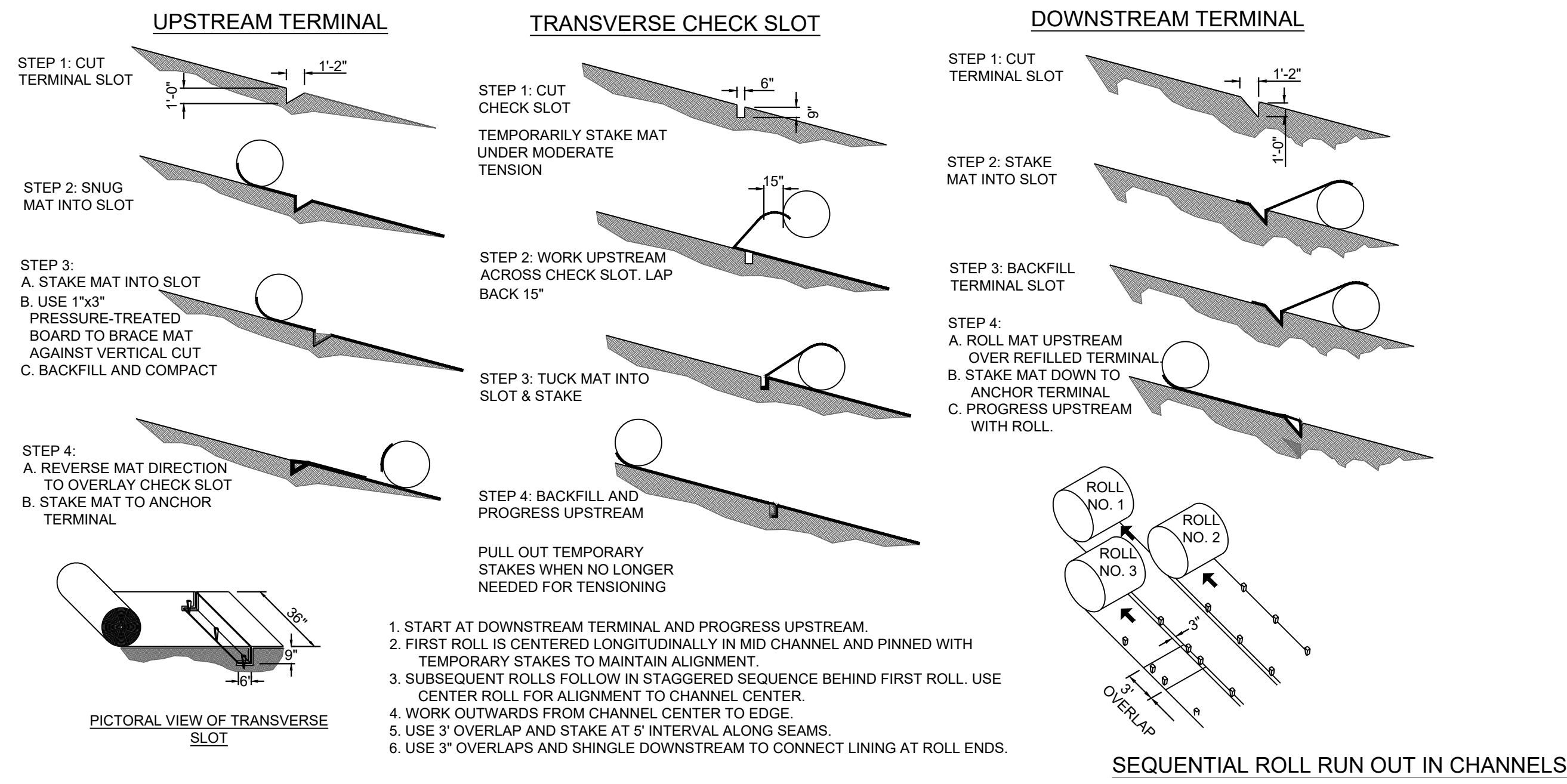
MARK	DATE	DESCRIPTION
1	08/07/2020	COUNTY COMMENTS

DESIGNED BY: MA	DATE: OCTOBER 15, 2021
DRAWN BY: MDA	SOLICITATION NO.:
SUBMITTED BY: DM	CONTRACT NO.:
FILE NAME: CE-504	FILE NUMBER:
SIZE: 22" x 34"	PLOT DATE:
	PLOT SCALE:

FAYETTE COUNTY
140 STONEWALL AVE W, SUITE 203,
FAYETTEVILLE, GA, 30214
POND
5800 Highway 140, Box 500
Fayetteville, GA 30214
Phone 878.336.7740
FAX 878.336.1130

**CEDAR TRAIL
CULVERT REPLACEMENT**
FAYETTE COUNTY, GA, 30214
**EROSION AND SEDIMENT
CONTROL DETAILS**

SHEET IDENTIFICATION
CE-504



TYPICAL INSTALLATION GUIDELINES FOR SLOPE STABILIZATION WITH MATTING AND BALNKETS
NO SCALE

Ss

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

811 Know what's below.
Call before you dig.
Dial 811
Or Call 800-282-7411

LEGEND:
 POC POINT OF COMMENCE
 POB POINT OF BEGINNING
 P/L PROPERTY LINE
 R/W EXISTING RIGHT OF WAY

GENERAL SHEET NOTES
 1. NO RESEARCH OF FIELD LOCATION HAS BEEN PREPARED, BY POND.
 2. LAND SURVEY REFERENCE: TOPOGRAPHIC SURVEY, CEDAR TRAIL FOR FAYETTE COUNTY, PREPARED BY : GEOSURVEY, LTD., DATED 04/09/2019.

**Parcel 1
Proposed Temporary Easement - Line Table**

Line #	Length	Direction
L1	1.43'	N72° 54' 37"W
L2	4.17'	N70° 47' 34"W
L3	17.66'	N19° 36' 40"E
L4	38.41'	S73° 05' 19"E
L16	17.72'	S16° 48' 04"W
L17	4.69'	N74° 51' 58"W

**Parcel 1
Proposed Temporary Easement - Curve Table**

Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C1	29.00'	508.47'	3.27	S72° 58' 06"E	28.99'

**Parcel 2
Proposed Temporary Easement - Line Table**

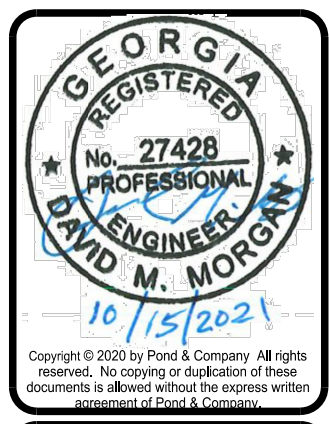
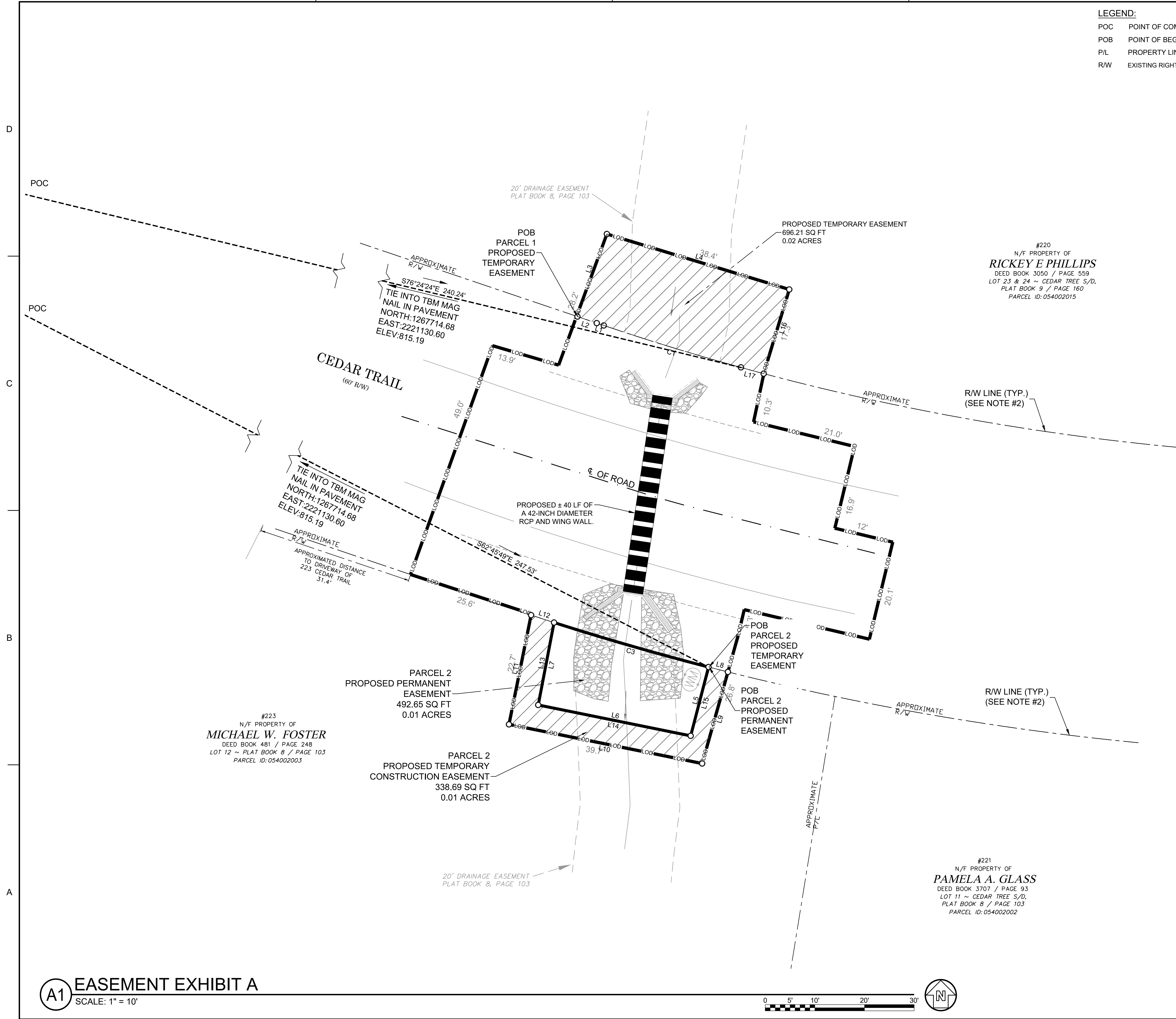
Line #	Length	Direction
L8	3.74'	S75° 47' 26"E
L9	19.16'	S15° 40' 58"W
L10	39.73'	N78° 33' 03"W
L11	22.46'	N11° 26' 57"E
L12	5.03'	S72° 04' 18"E
L13	16.89'	S11° 26' 57"W
L14	31.35'	S78° 33' 03"E
L15	14.33'	N15° 40' 58"E

**Parcel 2
Proposed Permanent Easement - Line Table**

Line #	Length	Direction
L5	14.33'	S15° 40' 58"W
L6	31.35'	N78° 33' 03"W
L7	16.89'	N11° 26' 57"E

**Parcel 2
Proposed Permanent Easement - Curve Table**

Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C3	32.51'	570.26'	3.27	S73° 57' 49"E	32.51'



DATE	APPR.
08/07/2020	

MARK	DESCRIPTION
1	COUNTY COMMENTS

DESIGNED BY: MIA
 DWN BY: MDA
 CHECKED BY: DM
 FILE NAME: E-101
 SIZE: 22" x 34"
 PLOT SCALE: 1" = 40'

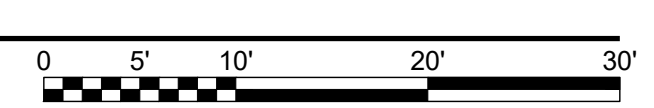
FAYETTE COUNTY
 140 STONEWALL AVE W, SUITE 203,
 FAYETTEVILLE, GA, 30214

POND
 5800 Parkway Lane, Suite 600
 Fayetteville, GA 30214
 Phone: 678.336.7740
 Fax: 678.336.7741
 POND REGISTRATION: 1139990

**CEDAR TRAIL
CULVERT REPLACEMENT
EASEMENT EXHIBIT A**

SHEET IDENTIFICATION
E-101

A1 EASEMENT EXHIBIT A
 SCALE: 1" = 10'



Know what's below.
Call before you dig.
 Dial 811
 Or Call 800-282-7411

FILE NAME: X:\FY19\190369\T002 - Cedar Trail 223 Culvert Replacement\04_CAD_BIM\04.02_CAD\EASEMENT-EXHIBIT.dwg PLOTTED: Friday, October 15, 2021