FAYETTE COUNTY ANTEBELLUM WAY CULVERT REPLACEMENT PROJECT **PROJECT NUMBER 17SAI**



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PROJECT LOCATION: 210 ANTEBELLUM WAY FAYETTEVILLE, GA 30215

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

ISSUED:





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



www.tetratech.com

CLIENT INFORMATION:

FAYETTE COUNTY 140 STONEWALL AVE WEST, SUITE 203 FAYETTEVILLE, GA

Tt PROJECT No.: 200-01297-16020

CLIENT PROJECT No .: 17SAI

PROJECT DESCRIPTION / NOTES:

01/19/2018 - ISSUED FOR CONSTRUCTION

VICINITY MAP:

PR	OJECT INFORMATION:	GE	ENERAI
1. 2. 3. 4.	THE PROJECT SHALL CONSIST OF THE DEMOLITION OF THE EXISTING CMP CULVERTS UNDER ANTEBELLUM WAY AND THE NSTALLATION OF 60 LINEAR FEET OF CULVERTS ALONG WITH THE RELOCATION OF THE EXISTING UTILITIES IN THE AREA. THE ORDER OF MAJOR LAND DISTURBING ACTIVITIES IS INDICATED IN THE ACTIVITY SCHEDULE LOCATED ON SHEET C-505. THE DISTURBED ACREAGE FOR THE PROJECT IS 0.63 ACRES. THE CULVERT REPLACEMENT PROJECT LOCATION IS: N33° 25' 27.65" W84° 25' 05.77"	6.	THE LO BEST RESPO THESE UNDEF INTERI ASSOO IT IS F CONTF COMPI
<u>FA</u>	YETTE COUNTY WATER SYSTEM NOTES:	7.	THE C
1. 2.	FAYETTE COUNTY WATER SYSTEM SPECIFICATIONS AND DETAILS SHALL GOVERN ALL WATER MAIN CONSTRUCTION. ALL MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH FAYETTE COUNTY WATER SYSTEM AND AWWA STANDARDS AND SPECIFICATIONS.	8.	THE S
3.	DUCTILE IRON PIPE (D.I.P.) SHALL BE MINIMUM PRESSURE CLASS 300 CEMENT MORTAR LINED, PER ANSI C151/A21.51. ALL FITTINGS SHALL BE MECHANICAL JOINT DUCTILE IRON PER ANSI A21.10 OR A21.53. ALL SERVICE PIPING SHALL BE COPPER.	9.	THE C
4.	PROVIDE THRUST RESTRAINT (THRUST BLOCKS OR RESTRAINED JOINTS) AT ALL BENDS, TEES, CROSSES AND END OF LINES. (EOL) SIDE FORMS SHALL BE USED TO PREVENT ENCASEMENT OF BOLTS. SERVICE TAPS SHALL NOT BE LOCATED BENEATH PAVEMENT.		Hours Engin Will B
5.	MAINTAIN 24" MINIMUM CLEARANCE BETWEEN WATERLINE AND OTHER STRUCTURES.	10.	ALL CO THEIR
6.	CONTRACTOR SHALL MAINTAIN A MINIMUM OF 4' OVER ALL WATER LINES.		MONUI LAND S
7.	CONTRACTOR SHALL FLAG WATER LINE AND SERVICE LOCATIONS TO PREVENT DAMAGE BY OTHER UTILITY CONTRACTORS.	11.	THE C
8.	PROPER COMPACTION IS REQUIRED THROUGHOUT THE PROJECT. (95% PERVIOUS, 98% IMPERVIOUS)		THE LI ORIGIN
9. 10.	JNSUITABLE SOIL MATERIALS SHALL BE REPLACED WITH SUITABLE MATERIALS. NEW WATER LINE SHALL BE PRESSURE TESTED FOR 2 HOURS AT 200 P.S.I. UNACCEPTABLE LEAKAGE SHALL BE REPAIRED AND WATER LINE SHALL BE RETESTED PRIOR TO ACCEPTANCE BY FAYETTE COUNTY WATER SYSTEM. MAIN MUST BE DISINFECTED	12.	THE CO PHASE RECOF
11.	PRIOR TO BEING PLACED IN SERVICE. TOP OF CURBS SHALL BE PERMANENTLY MARKED AND PAINTED BLUE AT MAIN AND SERVICE CROSSINGS, AS WELL AS, VALVE AND WETER LOCATIONS.	13.	TOPOC ASSOC
12.	WATERLINE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL, INCLUDING SIGNAGE AND FLAGMEN, WHILE WORKING WITHIN THE	14.	IT IS TI TO DE
13.	RIGHT OF WAY OF ANY EXISTING ROAD. WATERLINE CONTRACTOR PERFORMING ANY WORK WITHIN AN EXISTING RIGHT OF WAY MUST COMPLY WITH THE MUTCD 2003 EDITION WITH REVISIONS NUMBER 1 AND 2 INCORPORATED, DATED DECEMBER 2007. FLAGGERS MUST POSSESS A CURRENT	15.	CLEAR ALL OT
	CERTIFICATION CARD. DOCUMENTATION SHALL BE AVAILABLE UPON REQUEST BY ANY COUNTY EMPLOYEE.	16.	PRIOR
14. 15.	WATER TO BE PROVIDED BY FAYETTE COUNTY WATER SYSTEM. ALL TIE-INS SHALL BE COORDINATED WITH FAYETTE COUNTY WATER SYSTEM. EXISTING VALVES SHALL BE OPERATED BY COUNTY PERSONNEL ONLY.		PEAT A AND M EXPEN TO TH
16.	CONTRACTOR MUST NOTIFY FAYETTE COUNTY WATER SYSTEM 24 HOURS PRIOR TO BEGINNING CONSTRUCTION OR REQUESTING NSPECTIONS. ALL WORK MUST BE INSPECTED PRIOR TO BACKFILL AND COMPACTION. ANY WORK COVERED PRIOR TO NSPECTION IS SUBJECT TO REJECTION UNTIL IT HAS BEEN EXPOSED AND INSPECTED BY FAYETTE COUNTY WATER PERSONNEL	DE	DURIN MATER MOLIT
17.	NO TRENCHES OR PITS ARE TO BE LEFT OPEN OVERNIGHT OR THROUGH A WEEKEND. IF CREW VACATES JOB SITE DURING DAYTIME HOURS, A PROPERLY CONSTRUCTED, HIGHLY VISIBLE BARRICADE MUST BE ERECTED.	1.	THE C FURNIS WITH T
18.	WHILE THE EXCAVATION IS OPEN, UNDERGROUND INSTALLATIONS SHALL BE PROTECTED, SUPPORTED OR REMOVED AS NECESSARY TO SAFEGUARD EMPLOYEES.	2.	THE C TELEP
19.	MEANS OF EGRESS FROM TRENCH EXCAVATIONS. A STAIRWAY, LADDER, RAMP OR OTHER SAFE MEANS OF EGRESS SHALL BE LOCATED IN TRENCH EXCAVATIONS THAT ARE 4 FEET OR MORE IN DEPTH SO AS TO REQUIRE NO MORE THAN 25 FEET OF LATERAL TRAVEL FOR EMPLOYEES.	3.	TO FAC THE C REMO
20.	CONTACT MATT BERGEN AT THE FAYETTE COUNTY WATER SYSTEM TO SCHEDULE A PRECONSTRUCTION MEETING PRIOR TO BEGINNING ANY WORK. PHONE: 770-320-6020 FAX: 770-719-5576	4	OWNE
21.	ALL CONTRACTORS MUST HAVE A CERTIFIED COMPETENT PERSON ON SITE WHILE WORK IS BEING PERFORMED. DOCUMENTATION SHALL BE AVAILABLE UPON REQUEST BY ANY COUNTY EMPLOYEE.	5	
22.	ALL CONTRACTORS PERFORMING ANY LAND DISTURBING ACTIVITY SHALL HAVE ATTENDED THE GSWCC SUB CONTRACTOR AWARENESS COURSE WHEN WORKING IN A COMMON DEVELOPMENT WHERE THE PRIMARY PERMITTEE HAS OBTAINED A LEVEL 1A CERTIFICATION. THE PRIMARY PERMITTEE IS REQUIRED TO HAVE A LEVEL 1A CERTIFIED REPRESENTATIVE ON SITE AT ALL TIMES.	6.	TREES
23.	DOCUMENTATION SHALL BE AVAILABLE UPON REQUEST BY ANY COUNTY EMPLOYEE. ANY CONTRACTOR PERFORMING ANY LAND DISTURBING ACTIVITY UNDER CONTRACT FOR FAYETTE COUNTY WATER SYSTEM SHALL BE CONSIDERED THE SECONDARY PERMITTEE FOR EACH PROJECT. THE CONTRACTOR SHALL BE REQUIRED TO HAVE A GSWCC LEVEL 1A CERTIFIED REPRESENTATIVE ON SITE AT ALL TIMES. DOCUMENTATION SHALL BE AVAILABLE UPON REQUEST BY	7.	THE C REMOV EDGE
24.	ANY COUNTY EMPLOYEE. BEFORE RELEASE OF THE WATER LINES, 2 CERTIFIED AS - BUILTS (24 X 36) MUST BE SUBMITTED ALONG WITH 2 SIGNED FINAL PLATS OR FINAL SITE PLANS. ONE ELECTRONIC COPY OF EACH DOCUMENT SHOULD BE SENT TO THE INSPECTOR UPON ACCEPTANCE.	8. <u>E</u> 1.	THE D
GE	NERAL:	2.	ALL OR TO NO I
1.	BENCHMARK FOR CONSTRUCTION HAS BEEN PROVIDED ON SHEET C-101.	3.	STABIL
2.	ALL LABOR, MATERIALS, AND METHODS OF CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE MINIMUM ENGINEERING AND CONSTRUCTION STANDARDS ADOPTED BY FAYETTE COUNTY. WHERE CONFLICTS OR OMISSIONS EXIST, THE FAYETTE COUNTY STANDARDS SHALL DICTATE. SUBSTITUTIONS AND DEVIATION FROM PLANS AND SPECIFICATIONS SHALL BE PERMITTED	4. 5.	ASPHAI IS GREA
3.	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	6. 7	ALL CO
4	INSTALLATION.	<i>1</i> .	BETTER
т . 5	EDITION, UNLESS OTHERWISE WAIVED.	8.	AND GA
J.	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 BEGULATORY AUTHORITIES. ANY PENALTIES, STOP WORK ORDERS OR ADDITIONAL WORK RESULTING FROM THE CONTRACTOR	9. 10.	ALL PIP FOR MIT

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AL (CONTINUED):

LOCATION OF ALL EXISTING UTILITIES AND STORM DRAINAGE SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO PONSIBILITY FOR INACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY IT SHALL BE THE CONTRACTOR'S PONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION OF SE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING ERGROUND UTILITIES, WHETHER SHOWN ON THE PLAN OR LOCATED BY THE UTILITY COMPANY. ALL UTILITIES WHICH RFERE WITH THE PROPOSED CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FIRST. ANY FEES OCIATED WITH UTILITY RELOCATIONS SHALL BE BORNE IN ACCORDANCE WITH RESPECTIVE UTILITY COMPANY STANDARDS. REQUESTED UTILITY COMPANIES MOVE THEIR PARTICULAR UTILITIES. ANY DELAY OR INCONVENIENCE CAUSED TO THE TRACTOR BY THE RELOCATION OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA PENSATION WILL BE ALLOWED.

CONTRACTOR SHALL SCHEDULE A PRECONSTRUCTION MEETING TO BE HELD BETWEEN FAYETTE COUNTY, UTILITIES, INEER OF RECORD, AND CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.

SEQUENCE OF CONSTRUCTION SHALL BE SUCH THAT ALL UNDERGROUND INSTALLATIONS OF EVERY KIND, INCLUDING DSCAPE SPRINKLERS, SHALL BE PLACED BENEATH THE PAVEMENT AND ITS EDGES PRIOR TO THE CONSTRUCTION OF THE EMENT. THE PAVEMENT SHALL NOT BE CUT WITHOUT PRIOR APPROVAL OF THE ENGINEER.

CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION AND AT LEAST 48 IRS HOURS BEFORE REQUIRED INSPECTION ON EACH AND EVERY PHASE OF WORK. THE CONTRACTOR SHALL NOTIFY THE INEER A MINIMUM OF 48 HOURS NOTICE PRIOR TO ANY SCHEDULED TESTING. NO PRESSURE TESTING, OR FINAL TESTING BE ACCEPTED UNLESS WITNESSED BY THE ENGINEER'S REPRESENTATIVE.

CONTRACTORS, CITY REPRESENTATIVES, COUNTY REPRESENTATIVES, AND UTILITY COMPANIES ARE RESPONSIBLE FOR IR RESPECTIVE SURVEYING AND LAYOUT FROM BENCHMARK PROVIDED ON CONSTRUCTION PLANS. ANY SURVEY IUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE REPLACED UPON COMPLETION OF THE WORK BY A REGISTERED D SURVEYOR.

CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING ANY CONSTRUCTION ACTIVITIES FROM TAKING PLACE OUTSIDE OF LIMITS OF CONSTRUCTION SHOWN ON THE PLANS. ANY ON-SITE OR OFFSITE AREAS DISTURBED SHALL BE RESTORED TO GINAL CONDITION OR BETTER.

CONTRACTOR SHALL MAINTAIN A CURRENT SET OF CONSTRUCTION PLANS AND ALL PERMITS ON THE JOB SITE DURING ALL SES OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE TWO (2) SETS OF RECORD DRAWINGS TO THE ENGINEER OF ORD WITHIN TWO (2) WEEKS AFTER CONSTRUCTION HAS BEEN COMPLETED ON EACH PHASE.

OGRAPHIC INFORMATION SHOWN ON THESE PLANS WERE TAKEN FROM SURVEY PROVIDED BY: ROCHESTER AND OCIATES, INC.

THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE EXISTING SITE CONDITIONS OF SOIL PRIOR TO N.T.P. CONSTRUCTION DETERMINE IF ANY OFF SITE MATERIALS WILL NEED TO BE IMPORTED TO ACHIEVE THE GRADES SPECIFIED ON THE PLANS.

AR AREAS INDICATED SHALL BE COMPLETELY CLEAR OF ALL TIMBER, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH, AND OTHER DEBRIS AND OBSTRUCTIONS RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE GROUND.

OR TO BID PREPARATION, THE CONTRACTOR MUST BECOME FAMILIAR WITH THE OVERALL SITE CONDITIONS AND PERFORM ITIONAL INVESTIGATIONS AS DETERMINED NECESSARY TO UNDERSTAND THE LIMIT AND DEPTH OF EXPECTED ORGANIC SILT T AREAS, ADEQUACY OF EXISTING MATERIALS AS FILL, DEWATERING REQUIREMENTS, CLEAN FILL REQUIRED FROM OFFSITE, MATERIALS TO BE DISPOSED OF OFFSITE, ALL OF WHICH WILL AFFECT HIS PRICING. ANY DELAY, INCONVENIENCE, OR ENSE CAUSED TO THE CONTRACTOR DUE TO INADEQUATE INVESTIGATION OF EXISTING CONDITIONS SHALL BE INCIDENTAL THE CONTRACT, AND NO EXTRA COMPENSATION WILL BE ALLOWED. THE MATERIALS ANTICIPATED TO BE ENCOUNTERED ING CONSTRUCTION MAY REQUIRE DRYING PRIOR TO USE AS BACKFILL, AND THE CONTRACTOR MAY HAVE TO IMPORT ERIALS, AT NO EXTRA COST, FROM OFFSITE TO MEET THE REQUIREMENTS FOR COMPACTION AND PROPER FILL. **ITION:**

CONTRACTOR SHALL OBTAIN NECESSARY PERMITS AND LICENSES FOR PERFORMING THE DEMOLITION WORK AND SHALL NISH A COPY OF THESE ITEMS TO THE ENGINEER PRIOR TO COMMENCING THE WORK. THE CONTRACTOR SHALL COMPLY 1 THE REQUIREMENTS OF THE PERMITS.

CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OR LOCAL AUTHORITIES FURNISHING GAS, WATER, ELECTRICAL, EPHONE, OR SEWER SERVICE SO THEY CAN REMOVE, RELOCATE, DISCONNECT, CAP OR PLUG THEIR EQUIPMENT IN ORDER FACILITATE DEMOLITION.

CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL TREES, STRUCTURES, AND UTILITIES NOT MARKED FOR IOVAL OR DEMOLITION AND SHALL PROMPTLY REPAIR ANY DAMAGE AS DIRECTED BY THE ENGINEER AT NO COST TO THE NER.

CONTRACTOR SHALL REMOVE PAVING MARKED FOR DEMOLITION WHICH INCLUDES ALL ASPHALT, CONCRETE, BASE, AND AINING WALLS (INCLUDING THE FOOTERS).

CONTRACTOR SHALL REMOVE TREES MARKED FOR REMOVAL WHICH INCLUDES THE ROOTS ASSOCIATED WITH THE TREE. ES NOT MARKED FOR REMOVAL SHALL BE PROTECTED IN ACCORDANCE WITH THE FAYETTE COUNTY REGULATIONS.

CONTRACTOR SHALL REMOVE UNSALVAGEABLE MATERIALS AND YARD WASTE FROM THE SITE IMMEDIATELY AND DISPOSE N ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

CONTRACTOR SHALL SAW-CUT A SMOOTH STRAIGHT EDGE ON ANY PAVEMENT PROPOSED FOR DEMOLITION PRIOR TO ITS OVAL. PRIOR TO CONNECTING PROPOSED PAVEMENT TO EXISTING PAVEMENT, THE CONTRACTOR SHALL ENSURE THAT THE E OF THE EXISTING PAVEMENT IS STRAIGHT AND UNIFORM.

DEMOLITION SHALL BE PHASED TO PROVIDE 1 LANE OF TRAFFIC AT ALL TIMES.

NORK, GRADING, STABILIZATION, PAVING AND DRAINAGE:

PACT ALL UTILITY TRENCHES WITHIN ROADWAYS TO 98% OF THE MODIFIED PROCTOR MAXIMUM DENSITY (AASHTO T - 180) TO 95% WITHIN OTHER AREAS.

DRGANIC SOILS BELOW UTILITY TRENCHES SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL AND COMPACTED D LESS THAN 98% OF THE MODIFIED PROCTOR MAXIMUM DENSITY (AASHTO T - 180).

LIZED SUBGRADE TO MEET SPECIFIED REQUIREMENTS.

IALTIC CONCRETE TO GDOT STANDARD SPECIFICATION (LATEST EDITION) SECTION 916.1 AND FAYETTE COUNTY, WHICHEVER EATER.

AVEMENT MARKINGS SHALL BE THERMOPLASTIC.

CONCRETE FLUMES, WALKS, AND CURBS SHALL BE CONSTRUCTED WITH 3000 PSI CONCRETE.

ON-SITE AREAS DISTURBED BY THE CONSTRUCTION SHALL BE STABILIZED WITH SOD (SAME AS SURROUNDING AREA OR ER) OR APPROVED EQUAL. CONTRACTOR IS RESPONSIBLE FOR IRRIGATION OF PERMANENT GRASSING.

REINFORCED CONCRETE PIPE SHALL BE CLASS III WITH WALL THICKNESS "B" CONFORMING TO ASTM C - 76 OR AWWA 302 - 74 GASKETS SHALL BE IN ACCORDANCE WITH ASTM C - 443 OR ASTM D - 412.

IPE CALL OUTS ARE MEASURED CENTER LINE TO CENTER LINE FOR MANHOLES AND INLETS AND FROM THE END OF THE PIPE /ITERED END SECTIONS.

DEWATERING COSTS ASSOCIATED WITH THE INSTALLATION AND CONSTRUCTION OF THE UNDERGROUND UTILITIES; STORM ER PIPES AND MANHOLES; SANITARY SEWER MAINS, FORCE MAINS, MANHOLES, AND LIFT STATIONS; AND STORM WATER AGEMENT SYSTEMS SHALL BE INCLUDED AS PART OF THE CONSTRUCTION BID COSTS. THE CONTRACTOR SHALL SUBMIT FOR ER USE PERMITS IF REQUIRED FOR DEWATERING ACTIVITIES.

EARTHWORK, GRADING, STABILIZATION,

11. ALL PIPES SHALL HAVE 3 FEET MINIMUM CON PROVIDE PROPER GRADE ELEVATIONS AND AL

- 12. THE CONTRACTOR MUST INSTALL AND MAINT GRADES, AS NOTED ON PLANS, AND AT ANY DISCHARGES TO ANY DOWNSTREAM WATER SHALL BE STAKED.
- 13. THE CONTRACTOR SHALL TAKE ALL MEASURE TO, THE INSTALLATION OF TURBIDITY BARRIE SUSPENDED SOLIDS INTO THE RECEIVING V BARRIERS MUST BE MAINTAINED AT ALL LO STABILIZED. THE CONTRACTOR SHALL ALSO B

OTHER UTILITY INFORMATION:

- 1. THE CONTRACTOR SHALL NOTIFY UTILITY CO LOCATE THEIR FACILITIES IN THE FIELD FORT
- 2. DUCTILE IRON PIPE SHALL BE ENCASED IN CROSSING OF METALLIC GAS MAINS OR ANY AND WITHIN TEN FEET OF METALLIC GAS I INFLUENCE OF CATHODIC PROTECTION ANOT

SPILL CONTROL NOTES:

- 1. IN ADDITION TO THE GOOD HOUSEKEEPING THIS PLAN, THE FOLLOWING PRACTICES WILL
- a. MANUFACTURERS' RECOMMENDED METH MADE AWARE OF THE PROCEDURES AND
- b. ALL SPILLS WILL BE CLEANED UP IMMEDI.
- c. SPILLS OF TOXIC OR HAZARDOUS MAT AGENCY, REGARDLESS OF SIZE.
- d. THE SPILL PREVENTION PLAN WILL BI REOCCURRING AND HOW TO CLEAN UP IT, AND THE CLEANUP MEASURES WILL A
- e. THE SITE SUPERINTENDENT RESPONSIE CLEANUP COORDINATOR.

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					W.tetra	EORGI (770) 8
LIGNMENTS.		1	5		ROAD W	UTA, GI 9 FAX:
TAIN GRASS OR SOD ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETED FINAL Y OTHER TIME AS NECESSARY TO PREVENT EROSION, SEDIMENTATION OR TURBID BODY, WETLAND, OR OFF-SITE PROPERTY. SODDING ON SLOPES 3:1 AND STEEPER					S FERRY	0) 850-094
ES NECESSARY TO CONTROL TURBIDITY AND SEDIMENT INCLUDING, BUT NOT LIMITED RS AND SILT FENCES AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY AND SEDIMENT OCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE BE RESPONSIBLE FOR REMOVING THE BARRIERS.	į		Ē		1899 POWFF	TEL: (77
OMPANIES WHICH MAY HAVE THEIR UTILITIES WITHIN THE CONSTRUCTION AREAS TO TY-EIGHT (48) HOURS PRIOR TO BEGINNING CONSTRUCTION.		6	E C	R	a A	
N POLYETHYLENE TWENTY-FIVE (25) FEET ON EACH SIDE OF ANY PERPENDICULAR Y OTHER CATHODICALLY PROTECTED PIPELINE AND FOR LOCATIONS PARALLEL TO MAINS OR OTHER CATHODICALLY PROTECTED PIPE AND THROUGH THE AREA OF DE BED.		* 012	PROF	GINER V. LA	TIG NAL	× JAL
AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS NOTES OF L BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:	┝	CE	RT. #	00000	07352	29
HODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE D THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.						
IATELY AFTER DISCOVERY. TERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT						
BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED						
BLE FOR THE DAY-TO-DAY SITE OPERATIONS WILL BE THE SPILL PREVENTION AND						
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LIST OF STANDARD ABBREVIATIONS

AAP ALARM ANNUNCIATOR PANEL AARV AUTOMATIC AIR RELEASE VALVE AAV AUTOMATIC AIR VENT AB ANCHOR BOLT ABAN ABANDON(ED) ABRSV ABRASIVE ABS ACRYLONITRILE BUTADIENE STYRENE ABV ABOVE ALTERNATING CURRENT AC ACCMP ASPHALT-COATED CORRUGATED METAL PIPE ACP ASBESTOS CEMENT PIPE ADDM ADDENDUM ADH ADHESIVE AFF ABOVE FINISHED FLOOR ABOVE FINISHED GRADE AFG ABOVE FINISHED SLAB AFS AHD AHEAD AL ALUMINUM ALT ALTERNATE AMP AMPERE AMT AMOUNT APRX APPROXIMATE(LY) ARCH ARCHITECT(URAL) AS ALUM SOLUTION ASPH ASPHALT ASSY ASSEMBLY AVE AVENUE A/C AIR CONDITIONING A/VV AIR/VACUUM AIR VALVE BAF BAFFLE BCV BALL CHECK VALVE BLIND FLANGE BF BFV BUTTERFLY VALVE BHP BRAKE HORSEPOWER BI BLACK IRON BITUM BITUMINOUS OR BITUMASTIC B/L BASELINE BLDG BUILDING BLK BLOCK BM BENCH MARK BOC BACK OF CURB BOT BOTTOM BP BASE PLATE BRG BSP BEARING BLACK STEEL PIPE BV BALL VALVE BW BOTH WAYS BWW BACKWASH WATER <u>С</u> САР CAPACITY CA COMPRESSED AIR COMBINATION AIR VALVE CAV CB CATCH BASIN CHLORINE CONTACT CHAMBER CCC CHLORINATED EFFLUENT CE CFM CUBIC FEET PER MINUTE CFS CUBIC FEET PER SECOND CV CHECK VALVE CI CAST IRON CIP CAST IRON PIPE CISP CAST IRON SOIL PIPE CONSTRUCTION JOINT CJ CKT CIRCUIT C/L CENTER LINE CHLORINE GAS CL2 CLF CHAIN LINK FENCE CLR CLEAR OR CLEARANCE CLVT CULVERT CORRUGATED METAL PIPE CMP CMPA CORRUGATED METAL PIPE ARCH CMU CONCRETE MASONRY UNIT CND CONDUIT CNR CORNER CO CLEAN OUT CO2 CARBON DIOXIDE COAG COAGULANT COL COLUMN COM COMMON CONC CONCRETE CONN CONNECTION CONSTR CONSTRUCT(ION) CONT CONTINUOUS CONTR CONTRACT(OR) COORD COORDINATE CO COMPANY CP CONCRETE PIPE CPA CONCRETE PIPE ARCH CPLG COUPLING CPVC CHLORINATED POLYVINYL CHLORIDE CR CONCENTRIC REDUCER CHLORINE SOLUTION CS CSG CASING CTV CABLE TELEVISION CY CUBIC YARD CYL C&G CYLINDER CURB AND GUTTER C/C CENTER TO CENTER DAT DATUM DBL DOUBLE DC DIRECT CURRENT DEMO DEMOLITION DEPT DEPARTMENT DESC DESCRIPTION DET DETAIL DF DIESEL FUEL DUCTILE IRON DI DIA DIAMETER DIFF DIFFUSER DIM DIMENSION DIP DUCTILE IRON PIPE DISCH DISCHARGE DIR DIRECTION DROP MANHOLE DMH DN DOWN DR DRAIN DIAPHRAGM VALVE DV DRIVEWAY DW DWG DRAWING DRAIN, WASTE, AND VENT DWV

<mark>E</mark> E EA	EAST EACH	LEN LB LF LP
ECC EF EFF E/L	ECCENTRIC EACH FACE EFFLUENT EASEMENT LINE	LS LSS LVR LWL
EL ELAST ELEC EMER EMC ENGR EP EPDM	ELEVATION ELASTOMERIC ELECTRICAL EMERGENCY ENCASE(MENT) ENGINEER EDGE OF PAVEMENT ETHYLENE PROPYLENE DIENE	M M MAII MAS MAT MAX
EPRF EQUIP ER ESTM EST EW EXC EXP EXST EXST GR EXT	MONOMER EXPLOSION PROOF EQUIPMENT ECCENTRIC REDUCER EASEMENT ESTIMATE(D) EACH WAY EXCAVATE EXPANSION EXISTING EXISTING GRADE EXTERIOR	MCC ME MEC MEG MFR MG MG MH MI MIN MIN MISO MJ
EXTN FAB FCA FB FCV FD FDN FE FHY FIG FIN	EXTENSION FABRICATE(D) FLANGED COUPLING ADAPTER FLAT BAR FLOW-CONTROL VALVE FLOOR DRAIN FOUNDATION FILTER(ED) EFFLUENT FIRE HYDRANT FIGURE FINISH(ED)	ML MO MPH MPT MS MSF MTD MV MWI MWI MWI
FIN FLR FIN GR FL FLG FLL FLTR FM FPM FPS FRP FT FUT FV	FINISH FLOOR FINISH GRADE FLUORIDE FLANGE(D) FLOW LINE FILTER FORCE MAIN FEET PER MINUTE FEET PER SECOND FIBERGLASS REINFORCED PLASTIC FOOT OR FEET FUTURE FOOT VALVE	N NaO NE NIC NO NOM NPF NPT NPV NRS NTS
FW FWP F/F	FINISHED WATER FACTORY WIRED PANEL FACE TO FACE	N/A <u>0</u>
GA GAL GALV GIP GJ GND GPD GPH GPS GR GRTG GS GSP GSR	GAUGE GALLON(S) GALVANIZED GALVANIZED IRON PIPE GROOVE JOINT GROUND GALLONS PER DAY GALLONS PER HOUR GALLONS PER MINUTE GALLONS PER SECOND GRADE GRADE GRATING GALVANIZED STEEL GALVANIZED STEEL GALVANIZED STEEL PIPE GROUND STORAGE RESERVOIR	OC OD ODF OF OH OPP OPT OR OSY O&M PA PC PC
GST GT GV	GROUND STORAGE TANK GROUT GATE VALVE	PE PG PI
H HB HDPE HDR HFA HGR HGT HNDRL HOA HORIZ HP HPA HR HVAC	HOSE BIBB HEAVY-DUTY HIGH-DENSITY POLYETHYLENE HYDRAULIC HYDROFLUOSILICIC ACID HANGER HEIGHT HAND RAIL HAND-OFF-AUTO HORIZONTAL HORSEPOWER HIGH PRESSURE AIR HOUR HEATING, VENTILATION, AND AIR CONDITIONING	PL P/L POB POJ POL PPD PPD PRE PRV PRE PRV PSF PSI PSI
HWL HWY HZ	HIGH WATER LEVEL HIGHWAY HERTZ	PSIC PT
l ID IN INF INT INTR	INSIDE DIAMETER INCH(ES) INFLUENT INTERSECTION INTERIOR	PV PVC PVM PW PWF
INV IP IPS IR IW	INVERT IRON PIPE INTERNATIONAL PIPE STANDARD INTERNAL RECYCLE IRRIGATION WATER	Q Q QTY <u>R</u> RAD
JB JT	JUNCTION BOX JOINT	RC RC RCB RCP
K KPL KV KVA KW KWH	KIP (1,000 LB) KICK PLATE KILOVOLT KILOVOLT-AMPERE KILOWATT KILOWATT-HOUR	RD RDC REB REF REII REM REQ
L LAB LAM LATL LAV	LEFT LABORATORY LAMINATE OR LAMINATION LATERAL LAVATORY	RF RJ RM RPB RPM

LEN LB LF LP LS	LENGTH POUND(S) LINEAR FEET LIGHT POLE LIME SLURRY	RR RT RVT RW RWW	RAILROAD RIGHT RIVETED RAW WATER RAW WASTEWATER
LSS LVR LWL	LIME STABILIZED SLUDGE LOUVER LOW WATER LEVEL	R/W <u>S</u>	RIGHT-OF-WAY
M M MAINT MAN MAS MATI	METER MAINTAIN OR MAINTENANCE MANUAL(LY) MASONRY MATERIAI	S SA SAN SCHED SD SE SECT	SOUTH SAMPLE LINE SANITARY SCHEDULE STORM DRAIN SOUTHEAST SECTION
MAX MCC ME MECH MEG MFR	MAXIMUM MOTOR CONTROL CENTER MITERED END MECHANICAL MATCH EXISTING GRADE MANUFACTURE(R)	SEFF SF SHT SIG SIM SL	SECONDARY EFFLUE! SQUARE FOOT OR FE SHEET(ED)(ING) SIGNAL SIMILAR SLUDGE
MGD MH MI MIN MISC MJ	MILLION GALLONS MILLION GALLONS PER DAY MANHOLE MILE(S) MINIMUM, MINUTE(S) MISCELLANEOUS MECHANICAL JOINT	SEV SM SOLN SP SPEC SPRT SQ	SHEET METAL SOLUTION SOIL PIPE, SPACE(ING SPECIFICATION SUPPORT SQUARE
MO MON MPH MPT MS MSP	MASONRY OPENING MONUMENT MILES PER HOUR MALE PIPE THREAD MOTOR STARTER MOTOR STARTER PANEL	SS SSE SST STA STA STD STK	SUBSTANDARD EFFLU STAINLESS STEEL STREET STATION STANDARD STAKE
MTD MV MW MWL MWP	MOUNTED MOTORIZED VALVE MANWAY MEAN WATER LEVEL MAXIMUM WORKING PRESSURE	STL STR STRUCT SURF SV SVCE SVW	STEEL STRAIGHT STRUCTURAL SURFACE SOLENOID VALVE SERVICE SERVICE WATER
N NaOCI NE NIC NO NOM NPF	NORTH SODIUM HYPOCHLORITE NORTHEAST NOT IN CONTRACT NUMBER NOMINAL NATIONAL PIPE THREAD	SW SWD SWSH SYM SYMM S/W	SOUTHWEST SIDEWATER DEPTH SURFACE WASH SYMBOL SYMMETRICAL SIDEWALK
NPT NPW NRS NTS NW N/A	NATIONAL PIPE TAPER (THREAD) NON-POTABLE WATER NON-RISING SYSTEM NOT TO SCALE NORTHWEST NOT APPLICABLE	T TAN TB TBM TB-xx TD TDH	TANGENT TOP OF BEAM TEMPORARY BENCH I TEST BORING-xx (e.g. TRENCH DRAIN TOTAL DYNAMIC HEAI
O O2 OC OD ODP OF	OXYGEN ON CENTER OUTSIDE DIAMETER OPEN DRIP PROOF OUTSIDE FACE	TEFC TEL TENV THD	TOTALLY ENCLOSED TOTALLY ENCLOSED COOLED TELEPHONE TOTALLY ENCLOSED NON-VENTILATED THREAD(ED)
OHW OPP OPT OR OSY O&M	OVER HEAD WIRE OPPOSITE OPTIONAL OFFICIAL RECORDS OUTSIDE SCREW AND YOKE OPERATION AND MAINTENANCE	TLM TOB TOC TOS TOT TP	TELEMETRY TOP OF BANK TOP OF CURB TOE OF SLOPE TOTAL TELEPHONE POLE
PA PC PCM PE	PROCESS AIR POINT OF CURVE PERMANENT CONTROL MONUMENT PLAIN END	TS TV TYP T&B U	TELEVISION TYPICAL TOP AND BOTTOM
PG Pl PL P/L PNV POB POJ	PRESSURE GAGE POINT OF INTERSECTION PLATE PROPERTY LINE PINCH VALVE POINT OF BEGINNING PUSH-ON JOINT	UG ULT UN UON UGE UTC	UNDERGROUND ULTIMATE UNION UNLESS OTHERWISE UNDERGROUND ELEC UNDERGROUND TELE CABLE
POL PP PPD PREFAB PRESS PRV	POLYMER POWER POLE POUNDS PER DAY PARTS PER MILLION PREFABRICATED PRESSURE PRESSURE REDUCING VALVE	UTIL V VAC VAR VC	UTILITY VOLT(S) VACUUM VARIES VERTICAL CURVE
PRW PSF PSI PSIA PSIG	PROCESS WATER POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH ABSOLUTE POUNDS PER SQUARE INCH GAGE	VCP VEL VERT VFD VOL	VITRIFIED CLAY PIPE VELOCITY VERTICAL VARIABLE FREQUENC VOLUME
PT PV PVC PVMT PW PWR	POINT OF TANGENCY PLUG VALVE POLYVINYL CHLORIDE PAVEMENT POTABLE WATER POWER	W WAS WCO WF WH WL WM	WATT, WEST WASTE ACTIVATED SI WALL CLEAN OUT WIDE FLANGE WALL HYDRANT WATER LINE WATER MAIN
Q Q QTY	FLOW QUANTITY	WP WPR WS	WATER PROOF(ING), POINT WORKING PRESSURE WATER SURFACE
<u>R</u> RAD RAS RC RCB RCP RCPA	RADIUS RETURN ACTIVATED SLUDGE REINFORCED CONCRETE REINFORCED CONCRETE BOX REINFORCED CONCRETE PIPE REINFORCED CONCRETE PIPE ARCH	WSP WT WTP WW WWF WWM WWTP	WELDED STEEL PIPE WEIGHT WATER TREATMENT F WASH WATER WELDED WIRE FABRIG WELDED WIRE MESH WASTEWATER TREAT PLANT
RD RDCR REBAR REF	ROAD REDUCER REINFORCING STEEL REFERENCE	W/ W/O X	WITH WITHOUT
REINF REM REQ'D RF	REINFORCE(D)(ING)(MENT) REMOVE(ABLE) REQUIRED RAISED FACE	XFER Y YD	TRANSFER YARD(S)
RJ RM RPBP	RESTRAINED JOINT ROOM REDUCED PRESSURE BACKFLOW PREVENTER REVOLUTIONS DEP MINUTE	YH YR	YARD HYDRANT YEAR(S) YR
INF IVI	REVOLUTIONS FER MINUTE		

PIPING LEGE	END																J	sch.com
		FLAN	NGED			MECHANICAL JOINT GROOVE JC						JOINT SOLVENT WELD					l Ŭ	etrate
FITTING/ SINGLE-LINE DOUBLE-LINE					SING	SINGLE-LINE DOUBLE-LINE SINGLE-LINE						DOUBLE-LINE SINGLE-LINE DOUB!			E-LINE		ww.t	
	EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED		-
BEND		_ ₽				<u></u> −f#				──[₽]			+	f ⁺⁻				
TEE						ا ب خ ر				_₽ [┿] ₽		e t er	+	<u>+</u> ±		e Pr		ך
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REDUCER				₽				₽ ≓ ₽		-b -						-=	E O	RC
CAP/ BLIND FLANGE		—		E -]	N/A	N/A	N/A	N/A				-=				- E-]-	* No. PE PROFE	0402 SSID
PLUG	N/A	N/A	N/A	N/A	((-=	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	THUN N.	LA
BUTTERFLY VALVE		+		₽		-)+(-		₽₽₽								₽	GSWCC CERT. # 0	LE' 0000
BALL VALVE				€	N/A	N/A	N/A	N/A		_t \$\$ 1			-181-	-1831-		-59863-		
CHECK VALVE				€	N/A	N/A	N/A	N/A								€∕₽		
GATE VALVE				€₽₩₽₽				₽₩₽								€>€∋		
PLUG VALVE				€				₽₩₽										
AUTOMATIC CONTROL VALVE				₽₽₽	N/A	N/A	N/A	N/A		- Þ × Í -						e ka		
PINCH VALVE				₽₩₽₽	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				€₩₽		
CIVIL LEGEN	ID				RE	EFERENCE	SYMBOL	S									BY MR	
	G UT UT UT 130 129		GAS LINE UNDERGROU PROPERTY L RIGHT OF WA LIMITS OF CO EASEMENT PROPOSED O (LABEL OPTIO WATER	JND PHONE INE AY LINE (R-O-W) DNTRUCTION CONTOUR MAJO CONTOUR MINO DNAL)) DR DR		X-XX SECT	DENOTES LETTER ID DENOTES WHERE S ION REFERENCE DENOTES LETTER ID	SECTION DENTIFICATION CORAWING NO ECTION IS LOC CE SECTION DENTIFICATION	ATED	U WHE	DENOTES DRAV RE DETAIL IS L	VING NO OCATED DETAIL	DENOTES DE IDENTIFICATIO	NOTES DETAIL INTIFICATION	NUMBER	DATE DESCRIPTION 31/19/18 ISSUED FOR CONSTRUCTION	
• • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • •	STORM SEW SANITARY SE (FORCE MAIN GUARD RAIL STEEL FENC WOOD FENC	ER EWER N) E			<u> </u>	SECTIC SCALE: DENOTES WHERE S	DN DRAWING NO ECTION IS LOC	ATED	WHE	DENOTES DRA ERE DETAIL IS I	WING NO OCATED	DETAIL CALE: AIL TITLE			Y MARK EPLACEMENT	
			VEGETATION	l		ATCHING L ASPH, SURF, ROAD ROAD OPEN	EGEND ALT OR CONCE ACE (SIDEWALE WAY) WAY/SIDEWALE CUT RESURFA ED OR SEEDEE HED AREA OR	RETE K OR K CE D AND	GROUT		VISIBI HIDDE CENT	CHANICAL Le line En line Er line	/DRAFTIN	G LEGENI	D	<u>OPOSED</u>	FAYETTE COUNTY EBELLUM WAY CULVERT RE	LEGEND ANI
ب م		● WM EH				EARTH	ING WETLAND		MASONR	τ (PLAN)	PHAN MATC	TOM LINE HLINE					Project No.:	200-









DEMOLITION NOTES: A. PROTECTION:

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

REMOVE COMPONENT

NOTES:

- 1. CONTRACTOR TO MAINTAIN ONE TRAVEL LANE THROUGHOUT THE DURATION OF THE PROJECT.
- 2. ALL CONCRETE FORMWORK AND REINFORCING BARS TO BE INSPECTED BY THE FIELD REPRESENTATIVE IN CONJUNCTION WITH THE CONTRACTORS REPRESENTATIVE BEFORE CONCRETE IS POURED.
- 3. AS-BUILT DRAWINGS SHALL CONTAIN ALL RELEVANT ELEVATIONS AND INVERTS.
- 4. CONTRACTOR TO ESTABLISH TEMPORARY SUPPORT FOR EXISTING
- UTILITIES AND MAINTAIN IT THROUGHOUT CONSTRUCTION.
 5. CONTRACTOR TO MAINTAIN UTILITY SERVICES DURING CONSTRUCTION, WITH MINIMAL INTERRUPTION.
- 6. CONTRACTOR TO BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGED CURB OR DRIVEWAYS DURING CONSTRUCTION.

RECREATION AREA	
N/F JEFF DAVIS PLANTATION HOMEOWNERS ASSOCIATION P.B. 22, PG. 145 TAX ID.	
051906020	
0 10' 20'	40'

SCALE: 1" = 20'



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Bar Measures 1 inch





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E 45	0	TRIF	PLE 90	0	TR	IPLE 75	0	TRI	PLE 60)°	TRIP	ĽE
J.YDS. ONC.	LBS. STEEL	W (FT.)	CU.YDS. CONC.	LBS. STEEL	W (FT.)	CU.YDS. CONC.	LBS. STEEL	W (FT.)	CU.YDS. CONC.	LBS. STEEL	W (FT.)	C

	6
	CI
STANDARD CONCRETE BOX CULVERT APRONS, BAFFLES, AND INLET BEVELING DETAIL &	















				1								2							3
			FRC)SIO				CTIVI	TIES			TYPE OF SPECIES	S YE	AR	ANALYSIS EQUIVALEI	OR NT RAT	Ē		N TOP DRESSING
		CONSTRUCTION			DISTURBED ARE STABILIZATION (1			Mh MAT]	Cool season	First	4	6-12-12	1500 lbs./ac.			80-100 lbs./ac. 1/ 2/
	Sd1	SEDIMENT BARRIER		Du	DUST CONTROL ON DISTURBED AREAS		[Du					Cool season	First	nance	6-12-12	400 lbs./ac.			
	Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	(indicate type)	Cd	CHECK DAM)					grasses and legumes	Secono Mainte	d nance	0-10-10 0-10-10	1000 lbs./ac. 400 lbs./ac.			-
F	Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	Ds2	Cd	STORM DRAIN OUTLET PROTECTIO							Ground covers	First Second Mainte	d nance	10-10-10 10-10-10 10-10-10	1300 lbs./ac. 1300 lbs./ac. 1100 lbs./ac.	3/ 3/		-
	FOR T	EMPORARY DARD APPLII	PROTE ES TO G		OF CRITI	CAL A	REAS	WITHOL S WHICH	IT SEEDII I MAY BE	NG. THI	S ECTED TO	Pine seedlings	First		20-10-5	one 21-gram per seedling in the closing	pellet placed hole		-
	EROSI GROW BE ST/	ON FOR 6 M /ING SEASO ABILIZED WI	IONTHS N TO PR TH A ML	or le Oduc Jlch (ESS, WHEF E AN ERC COVER.	re sei Dsion	EDING RETA	S MAY ARDANT	NOT HAV COVER,	/E A SU BUT W	JITABLE HICH CAN	J Shrub Lespedeza	First Mainte	nance	0-10-10 0-10-10	700 lbs./ac. 700 lbs./ac.	4/		-
	MA	TERIAL	S			INS	STAL	LATIO	ON			Temporary cover crops	First		10-10-10	500 lbs./ac.			30 lbs./ac. 5/
-	DR	STRAW OF	RHAY			DEP [.] CON	TH OF IPLETE	2 TO 4 I E SOIL C	NCHES F OVERAG	PROVID E	ING	Warm season grasses	First Second	t	6-12-12 6-12-12	1500 lbs./ac. 800 lbs./ac.			50-100 lbs./ac. 2/ 6/ 50-100 lbs./ac. 2/
	WO SAV	OD WASTE (VDUST OR E	(CHIPS BARK)			DEP.	TH OF	2 TO 3 I	NCHES			Warm season	First	nance	6-12-12	400 lbs./ac.			30 lbs./ac. 50 lbs./ac. 6/
	ERC MA1	SION CONT	ROL			APP		ACCORE	ANCE W	ITH	TIONO	grasses and legumes 1/ Apply in spring followin	Mainte	nance	0-10-10 0-10-10	1000 lbs./ac. 400 lbs./ac. MULCHING	RATES:		
	СU1	BACK ASPH	IALT			MAN					TIONS	 2/ Apply in split application used. 3/ Apply in 3 split application 4/ Apply when plants are 	tions when hig tions. pruned.	h rates are		1. DRY STR 2. DRY HAY 3. FOR HYD	AW: 2 TONS P 2-1/2 TONS RAULIC SEEDI	ER ACF PER AC NG USI	RE. CRE. E WOOD CELLULOSE MULCH
E	(SLC	OW CURING)			$\frac{1}{4}$ GA		PER SQ				 5/ Apply to grass species 6/ Apply when plants growinches. 	only. w to a heigh	t of 2 to 4 FERTIL	IZER AND M	OR WOOE PER ACRE IULCHING) PULP FIBER A	AT THE	RATE OF 500 POUNDS
	POL	YETHYLENE	EFILM			SEC SOIL PRO	URED MATE	OVER B ERIAL FO <u>ON</u>	OR TEMP	ORARY	KPILED			R	EQUIREME	<u>NTS</u>			
			DIS	STUF	RBED /				IZATIC	N		SPECIES BAHIA, PENSACOLA (Paspalum potatum)	E RATE PER ACRE	BROADCAST S 1/ - PLS 2/ E PER 1000 S	RESOURO AREA 3	CE PLANTING D	ATES		REMARKS
	Ds	1 2014 M	/ANUAL	FORE	EROSION	AND S	SEDIM	ENT CO		GREEN	BOOK)	ALONE OR W/ TEMPORARY COVER WITH OTHER PERENNIALS	60 LBS. 30 LBS.	1.4 LBS 0.7 LBS	. Р . С				
-	PLANTS,	PLANTING RAT	TES, AND F		IG DATES FO	OR TEM	PORAR ^V PLANTI	Y COVER			OPS 1/	BAHIA, WILMINGTON (Paspalum notatum)	60 LBS.	1.4 LBS	. M-L			_	
	BARLEY (Hordeum vulg	S RATI PER ACR are) 3 bu.	ES 2/ - PLS 3/ E PER 1	000 S.F. 3 LBS.	AREA .	J F M A	A M J J	A S O N	D 14	REMAR	RKS ER POUND	TEMPORARY COVER WITH OTHER PERENNIALS BERMUDA, COMMON	30 LBS.	0.7 LBS	Р	J F M A M J	J A S O N	D	
	ALONE IN MIXTURE	(144 LBS 1/2 bu. (24 LBS	S.) .) 0.6) LBS.	C ,	JFMA	A M J J	A S O N		VINTERHARD PRODUCTIVI	Y. USE ON E SOILS.	(Cynodon dacttion) HULLED SEED ALONE OR W/ OTHER PERENNIALS	10 LBS. 6 LBS.	0.2 LBS 0.1 LBS	. Р . С				
	LESPEDEZA, AN (Lespedeza str ALONE	INUAL iata) 40 LBS.	0.9) LBS.	M-L P C	* # # # # # # # # # # # # # # # # # # #	=;		200,0 VOLUNTE	00 SEED PER ER FOR SEV INOCULAN	POUND. MAY ERAL YEARS. US NT EL.	BERMUDA, COMMON (Cynodon dactylon) UNHULLED SEED	10 LBS.	0.2 LBS	. Р				PLANT WITH WINTER ANNUALS. PLANT WITH TALL FESCUE
D	LOVEGRASS, WE (Eragrotis curv	EEPING ula)			M-L P	J F M A	M J J	A S O N	D 1,500,000) SEED PER P	OUND. MAY LAS	W/ TEMP COVER WITH OTHER PERENNIALS	6 LBS.	0.1 LBS		J F M A M J	JASON	D	
		4 LBS. 2 LBS.	0.1	I LBS. 05 LBS.	c	J F M A	4 M J J	A S O N	D	SEVERAL YEA	ARS. MIX WITH SPEDEZA	COASTAL, COMMON, MIDLAND, OR TIFT 44		40 C.F. 0.9 C OR SOD PLUGS 3'	.F. M-L x 3' P		_		A CUBIC FOOT CONTAINS APPROXIMATELY 650 SPRIGS. A BUSHEL CONTAINS 1.25 CUBIC FEET OR APPROXIMATELY 800 SPRIGS.
	fasciculatun ALONE	40 LBS.	0.9) LBS. 2 LBS.	P C				137,00 DENSE MUCH C SI	0 SEED PER I COVER. WILL COMPETITION EEDED AT HIG	POUND. QUICK L PROVIDE TOO I IN MIXTURES IF GH RATES.	TIFT 78			c	J F M A M J	J A S O N	D	PLANT WITH WINTER ANNALS PLANT WITH TALL RESCUE SOUTHERN COSTAL PLAIN ONLY
	MILLET, PEA (Panicum glauc	RL sum)			M-L P	JFMA			B 88,000 DENSE 0) SEED PER F	POUND. QUICK, REACH 5 FEET IN	CENTIPEDE (Eremochloa ophiuroides)	BLO	CK SOD ONLY	Р				DROUGHT TOLERANT. FULL SUN OR PAR SHADE. EFFECTIVE ADJACENT TO COM AND IN CONCENTRATED FLOW AREA: IRRIGATION IS NEEDED UNTIL FULLY
-	ALONE	50 LBS.	1.1	I LBS.	С ,	J F M A	A M J J	A S O N	D HEIGH	T. NOT RECO MIXTUR	MMENDED FOR ES.	CROWNVETECH			C	J F M A M J	J A S O N	D	ESTABLISHED. DO NOT PLANT NEAR PASTURES. WINTERHARDY AS FAR NOF AS ATHENS AND ATLANTA. 100,000 SEED PER POUND. DENSE GROW
	(Avena sativ ALONE IN MIXTURE	a) 4bu. (128 LBS 1 bu. S (32 LBS.	.) 2.9) 0.7	9 LBS. 7 LBS.	P C				13,000 PRO WINTER	SEED PER P DDUCTIVE SC RHARDY AS F	OUND. USE ON DILS. NOT AS RYE OR BARLEY.	(Coronilla varia) WITH WINTER ANNUALS OR COOL SEASON GRASSES	15 LBS.	0.3 LBS	м-L . Р	J F M A M J		D	ATTRACTIVE ROSE, PINK, AND WHITE BLOSSOMS SPRING TO LATE FALL. MIX W LBS. OF TALL FESCUE OR 15 LBS. OF RN INOCULATE SEED WITH M INOCULANT. U FROM NORTH ATLANTA AND NORTHWAR
	RYE (Secale cerea ALONE	ale) 3 bu. (16 LBS.)	58 3.S) LBS.	M-L P				18,000 COVER) SEED PER F R. DROUGHT	POUND. QUICK	FESCUE, TALL (Festuca arundinacea) ALONE	50 LBS.	1.1 LBS	M-L P				227,000 SEED PER POUND. USE ALC ONLY ON BETTER SITES. NOT FO DROUGHTY SOILS. MIX WITH PEREN LESPEDETAS OR COMMUNETCH INCO
	IN MIXTURE RYEGRASS, ANNU/ temulentum	S 1/2 bu. (2 LBS.)	28 0.6	C LBS.	M-L	J F M A	•• M J J	A S O N	D		ARDY.	KUDZU (Pueraria thumbergiana)	30 LB3.	0.7 LB3		J F M A M J	J A S O N	D	HEAVY USE AREAS OR ATHLETIC FIE
C	ALONE	40 LBS.	0.9) LBS.	P 4	J F M A	A M J J	A S O N	D	TO BE USED	PETITIVE AND IS IN MIXTURES.	PLANTS OR CROWNS		3' - 7' APART	ALL	J F M A M J	JASON	D	EXCELLENT IN GULLY EROSION CONTROL. WILL CLIMB. GOOD LIVESTOCK FORAGE.
	SUDAN GRA (Sorghum sudar ALONE	SS nese) 60 LBS.	1.4	LBS.	M-L P C	1 20 1 1 20 1 1 20 1			55,000 S	SEED PER PC DROUGHT SI MMENDED FO	ound. good on Tes. <u>Not</u> Or Mixtures.	LESPEDEZA, SERICEA (Lespedeza cuneata)	60 L BS.	1.4 LBS	M-L P C				350,000 SEED PER POUND. WIDELY ADA LOW MAINTENANCE. MIX WITH WEEP LOVEGRASS, COMMON BERMUDA, BAH TALL FESCUE. TAKES 2 TO 3 YEARS BECOME FULLY ESTABLISHED. EXCEL
	TRITICALE (X-Triticoseca	E 3 bu. (14 Ile) LBS.)	14 3.3	BLBS.		J F M A	A M J J	A S O N	USE ON	LOWER PAR	T OF SOUTHERN	UNSCARIFIED	75 LBS.	1.7 LBS	M-L P				ON ROADBANKS. INOCULATE SEED W INOCULANT.
	ALONE IN MIXTURE	S 1/2 bu. (; LBS.)	24 0.6	SLBS.	,	JFMA	X M J J	A S O N	D COA	ASTAL FLATW	OODS ONLY.	- SEED-BEARING HAY	3 TONS	138 LBS	M-L				CUT WHEN SEED IS MATURE, BUT BE
	(Triticum aestiv ALONE IN MIXTURE	rum) 3 bu. (1 LBS.) 1/2 bu. (S LBS.)	80 (30) 0.7	I LBS. 7 LBS.	P C				15	5,000 SEED PE	ER POUND.	LESPEDEZA			С	J F M A M J	J A S O N	D	WINTER ANNUALS.
	1/ TEMPORAR 2/ REDUCE SE 3/ PLS IS AN A 4/ M-L REPORT	Y COVER CROPS AR EDING RATES BY 50 BBREVIATION FOR F SENTS TO MOUNTAI	RE VERY COM 1% WHEN DRI PURE LIVE SE N: BLUE PURC	PETITIVE A LLED. ED. E: AND BY	AND WILL CROW		RENNIALS	I F SEEDED T	OO HEAVILY.			or Appalow (Lespedeza virgata DC) or Appalow (Lespedeza cuneata [Dumont] G. Don)			M-L P				GROWTH IS 18 TO 24 INCHES. ADVANT IN URBAN AREAS. SPREADING TY GROWTH. NEW GROWTH HAS BRON COLORATION. MIX W/ WEEPING IOVEGRASS. COMMON PERMISSION
	P REPRESEI C REPRESEI (SEE FIGURI	NTS THE SOUTHERN NTS THE SOUTHERN E 6-4.1, P 6-40 IN THE	I PIEDMONT N COASTAL PI MANUAL FO	AIN; SANE AIN; SANE R EROSIO	D HILLS; BLACK I N AND SEDIMEN	LANDS; AN	ID ATLANT OL FOR GE	TIC COAST FL/ EORGIA)	ATWOODS MLR	2As		SCARIFIED	60 LBS. 75 LBS.	1.4 LBS 1.7 LBS	M-L P C		JASON	D	TALL FESCUE, OR WINTER ANNUALS NOT MIX W. SERICEA LESPEDEZA. SLO DEVELOP SOLID STANDS. INOCULATE W/ EL INOCULANT.
D	WALKER	HUNDER GILMER UN		EPHEN	JOR LAND	RESOL	JRCE A	REAS (M	LRA) OF G	EORGIA	<u>\</u>	LESPEDEZA, SHRUB(Lespedeza bicolor)) (Lespedeza thumbergii)			M-L P				
D	FLOYD	OPICKENS AND	HALL BANKS	RANNELIN HART	BERT		мои	INTAIN, BLUE	ridge, and ri	DGES AND \	/ALLEY	PLANTS		3' x 3'	c	J F M A M J	J A S O N	D	
	POLK Rade of the second	COBB DEKALB	WALTON MOL	Colethion	WILKES TO PA		SOU ⁻	THERN PIEDM	IONT PLAIN, SAND H	ILLS, BLACK	LANDS,	(Eragrostis curvula) ALONE W/ OTHER PERENNIALS	4 LBS. 2 LBS.	0.1 LBS 0.05 LB	. C S.				
	CARROLL HEARD C					HMONE	7010					MAIDENCARE (Panicum hemitomon) SPRIGS							FOR VERY WET SITES. MAY CLOO CHANNELS. DIG SPRIGS FROM LOCAL SQURCES. USE ALONG
	TROUP	PIKE F	Jones	Marines								WITH OTHER PERENNIALS		z x 3 SPACING		J F M A M J	JASON	D	RIVER BANKS AND SHORELINES
	HAP	COST TALBOT CRAM	HOUSTON	CKLEX LAUF		EL Canol	LOCH CH	(AN)				ATLANTIC COASTAL (Panicum amarum var. amarulum)	20 LBS.	0.5 LBS	. С	J F M A M J	JASON	D	BORROW AREAS, AND GRAVEL PI PROVIDES WINTER COVER FOR WILL MIX WITH SERICEA LESPEDEZA EXCE SAND DUNES.
	STEW			DODGE	WHEELER WOW	TATTNALL	BRYAN	CHATHAM				REED CANARY GRASS (Phalaris arundinancea)	50 LBS. 30 LBS.	1.1 LBS 0.7 LBS	. M-L				GROWS SIMILAR TO TALL FESCUE.
		CALHOUN DOUGHERTY	WORTH A		DFFEE BACON	WAYNE	Envisor -	F				WITH OTHER PERENNIALS SUNFLOWER, 'AZTEC' MAXIMILLIAN (Halianthus	10 I RS	0.21 BC	M-L	J F M A M J	J A S O N	D	
А		Y BAKER MILLER MITCHELL			KINSON VARE	BRANTLEY	A A A A A A A A A A A A A A A A A A A	5				maximiliani)		200	C	J F M A M J	JASON	D	
	Entite Of	DECATUR GRADY T	HOMASBROOKS				{												
					DISTI		ED 4	ARFA						DIS	TURBE		STAB	ILIZ	ZATION
	Ds	2 2014 N	S [.] MANUAI) Brefni	BOOKI	Ds3		((PERMA	ANENT V	/EGET	AT	ION)
		2014 1	un OAL			Figure	6-27.2	2			200N)								

SILT FENCE-TYPE SENSITIVE Sd1-S 2014 MANUAL FOR EROSION AND SEDIMENT CONTROL (GREEN BOOK) Figure 6-27.2

EROSION CONTROL NOTES:

- SPECIFICATIONS IN THE "MANUAL FOR EROSION CONTROL AND SEDIMENT CONTROL IN GEORGIA".
- 2. EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY GRADING ON SITE.
- 3. DISTURBED AREAS LEFT IDLE FOR FIVE DAYS, AND NOT TO FINAL GRADE, WILL BE ESTABLISHED WITH TEMPORARY MULCH (DS1) OR VEGETATION (DS2). DISTURBED AREAS LEFT IDLE FOR TWO WEEKS OR MORE WILL BE ESTABLISHED WITH PERMANENT VEGETATION (DS3). ALL AREAS AT FINAL GRADE WILL BE ESTABLISHED WITH PERMANENT SEEDING. DURING UNSUITABLE GROWING SEASONS, MULCH WILL BE USED AS A TEMPORARY COVER (DS3). ON SLOPES THAT ARE 2:1 OR STEEPER, MULCH WILL BE ANCHORED.
- 4. IN CONCENTRATED FLOW AREAS: ALL SLOPES STEEPER THAN 2.5:1, HEIGHT TEN FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFER, STABILIZE WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKET.
- 5. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION 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 SOURCE.
- REACHED ONE THIRD THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
- TO STABILIZE CONSTRUCTION SITES MUST BE USED IN CONJUNCTION WITH MULCHING AND OR HYDROSEEDING.
- 9. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED BY ENGINEER DURING CONSTRUCTION.
- TEMPORARY MULCHING, GRASSING OR PERMANENT GRASSING FOR THE DISTURBED AREAS OF THE PROJECT.

EROSION CONTROL CHECKLIST CERTIFICATIONS:

- WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
- DISTURBING ACTIVITIES.
- CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- 4. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

"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 SUPERVISION."

STRUCTURAL PRACTICES VEGETATIVE PRACTICES DISTURBED AREA CONSTRUCTION EXIT STABILIZATION (WITH MULCHING DS1 Со Ds1 ONLY) DISTURBED AREA SEDIMENT STABILIZATION Ds2 Sd1-S Ds2 (WITH TEMP BARRIER SEEDING) PERMANENT VEGETATION Ds3 Ds3

PRIMARY PERMITTEE TO BE PROVIDED AFTER PROJECT IS AWARDED.

24 HOUR EROSION CONTROL CONTACT: PHILIP MALLON (770-313-9855)

1. EROSION CONTROL PRACTICES MUST COMPLY WITH THE MINIMUM BEST MANAGEMENT PRACTICES FOR EROSION CONTROL AND SHALL COMPLY WITH THE STANDARDS AND

VEGETATION IMMEDIATELY UPON COMPLETION. WHEN HAND PLANTING, MULCH (HAY OR STRAW) SHOULD BE UNIFORMLY SPREAD OVER SEEDED AREA WITHIN 24 HOURS OF

PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT

6. SEDIMENT/EROSION CONTROL DEVICES MUST BE CHECKED AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS

7. THE USE OF POLYMERS (PAMS) IS ACCEPTED AS A BMP AS RECOMMENDED BY THE STATE SOIL & WATER CONSERVATION COMMISSION BMP "GREEN BOOK". POLYMERS USED

8. MULCH, TEMPORARY VEGETATION, AND PERMANENT (PERENNIAL) VEGETATION SHALL BE COMPLETED ON ALL EXPOSED AREAS WITHIN 14 DAYS AFTER DISTURBANCE.

10. DUE TO THE NATURE AND LOCATION OF THE CONSTRUCTION ACTIVITY, PROVIDING SEDIMENT STORAGE FOR 67 CUBIC YARDS OF SEDIMENT PER ACRE DISTURBED IS NOT FEASIBLE. APPROPRIATE BMPS THAT LIMIT THE TRANSPORT OF SEDIMENT FROM THE SITE WILL BE UTILIZED. THERE BMPS INCLUDE BUT ARE NOT LIMITED TO SILT FENCE AND

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFER AS MEASURED FROM THE POINT OF WRESTED VEGETATION

2. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND

3. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION

CONSTRUCTION SCHEDULE											
MONTHS	1	2	3								
INSTALLATION OF SEDIMENT CONTROL MEASURES											
CLEARING, GRUBBING											
PIPE INSTALLATION											
PAVING											
GRASSING											
MAINTAINING OF EROSION AND SOIL CONTROL MEASURES											
FINAL LANDSCAPING, GRASSING											

	De: Dra Chi		MARK		ESCRIPTION	ВҮ		
(sigi awr eck		0	1/19/18 IS:		M		
2.	ned B n By: ced By	ANTEBELLUM WAY CULVERT REPLACEMENT))	<u>2</u> 2 5 5			GSW ERT.	TETRA TECH
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5(LEV DOOD)
)							EL DT3	www.tetratech.com
5	., - 10	C C C C C C C					II 529	1899 POWERS FERRY ROAD SE, SUITE 400 ATI ANTA GEORGIA 30330
	CG MR DL	020						TEL: (770) 850-0949 FAX: (770) 850-0950

Bar Measures 1 inch

		FROSION SEDIM	ENTATION & BOULLITION CONTROL PLAN SUFCILIST		
		EROSION, SEDIM	TRUCTURE CONSTRUCTION PROJECTS		
Same		SWCD:	Towaliga		
Project N	Name:_AN	rebellum way culvert replacemen	T PROJECT Address: 210 ANTEBELLUM WAY, FAYETTE VILLE, GA 30215		
Plan	Included	ayettevine/rayette	Date on Plans		
Page #	Y/N	a all shows a	TO BE SHOWN ON ES&PC PLAN		
C-506	Y	1 The applicable Erosion, S	edimentation and Pollution Control Plan Checklist established by the Commission as of Janu		
		(The completed Checklist	nd-disturbing activity was permitted. must be submitted with the ES&PC Plan or the Plan will not be reviewed)		
C-105, C-	Y	2 Lovel II contification numb	principal by the Commission, signature and seal of the partition design professional		
505	-	(Signature, seal and Leve	I II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed		
C-505	Y	3 The name and phone nun	3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.		
C-505	Y	4 Provide the name, addres	s and phone number of primary permittee.		
G-003	Y	5 Note total and disturbed acreage of the project or phase under construction.			
G-003	Y	6 Provide the GPS locations	of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in		
		decimal degrees.			
ALL	Y	 7 Initial date of the Plan and 8 Description of the pature (the dates of any revisions made to the Plan including the entity who requested the revisions		
G-005	T	9 Provide vicinity man show	ing site's relation to surrounding areas. Include designation of specific phase, if percessary		
C-505	Y	10 Identify the project receivi	ing site's relation to surrounding areas. Include designation of specific phase, in necessary.		
0.000		wetlands, etc. which may	be affected.		
C-505	Y	11 Design professional's cert	ification statement and signature that the site was visited prior to development of the ES&PC		
		Plan as stated on page 15	i of the permit.		
NA	NA	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 page 15 of the permit *			
NA	NA	13 Design professional certif	ication statement and signature that the permittee's ES&PC Plan provides for representative		
		sampling as stated on page	e 26 of permit as applicable.*		
NA	NA	14 Clearly note the statemen	t that "The design professional who prepared the ES&PC Plan is to inspect the installation of		
		initial sediment storage re within 7 days after installa	equirements, perimeter control BMPs, and sediment basins in accordance with part IV.A.5.		
C-505	Y	within 7 days after installation."* 15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream			
		buffers as measured from the point of wrested vegetation without first acquiring the necessary variances and permits."			
NA	NA	16 Clearly note the statemen	t that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs wi		
	NIA.	hydraulic component mus	t be certified by the design professional."*		
NA	NA	17 Clearly note the statemen section 404 permit."*	t that "waste materials shall not be discharged to waters of the State, except as authorized b		
		and an an an a state of the second			

C-505	Y	19 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
C-505	Y	20 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
NA	NA	21 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an 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.*
NA	NA	22 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 21 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.*
NA	NA	23 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.*
G-003	Y	24 Provide BMPs for the remediation of all petroleum spills and leaks.
NA	NA	25 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.*
NA	NA	26 Description of the practices that will be used to reduce the pollutants in storm water discharges.*
C-105	Y	27 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).
NA	NA	28 Provide complete requirements of inspections and record keeping by the primary permittee.*
NA	NA	29 Provide complete requirements of sampling frequency and reporting of sampling results.*
NA	NA	30 Provide complete details for retention of records as per Part IV.F. of the permit.*
NA	NA.	31 Description of analytical methods to be used to collect and analyze the samples from each location.*
NA	NA	32 Appendix B rationale for NTU values at all outfall sampling points where applicable.*
NA	NA	33 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.*
NA	NA.	34 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 EMPs into a single phase.*
ALL	Y	35 Graphic scale and North arrow.
C-104	Y	36 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:
		Existing Contours USGS 1": 2000' Topographical Sheets
		Proposed Contours 1": 400' Centerline Profile
NA	NA	37 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs

BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.

NA NA C-505 C-505 C-505

C-105 G-003 C-505

C-505 Y

C-505 Y

44 Soil series for the project site and their delineation. 45 The limits of disturbance for each phase of construction.

the Manual for Erosion and Sediment Control in Georgia.

will take place and for the appropriate geographic region of Georgia.

but within 200 ft of a perennial stream the * checklist items would be N/A.

I Ū Ш F ш C-105 Y 38 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers GSWCC LEVEL II required by the Local Issuing Authority. Clearly note and delineate all areas of impact. CERT. # 0000073529 39 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site. 40 Delineation and acreage of contributing drainage basins on the project site. 41 Delineate on-site drainage and off-site watersheds using USGS 1' :2000' topographical sheets. 42 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are C-104 Y 43 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. 46 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 justfication 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 feasable, a written justification explaining this decision must be included in the plan. 47 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. 48 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in 49 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 *If using this checklist for a project that is less than 1 acre and not part of a common development Effective January 1, 2016 FAYETTE COUNTY BELLUM WAY CULVERT REPLACEMENT EROSION CONTROL CHECKLIST ANTE

C-506

Project No.: 200-01297-16020

Designed By: Drawn By: Checked By: