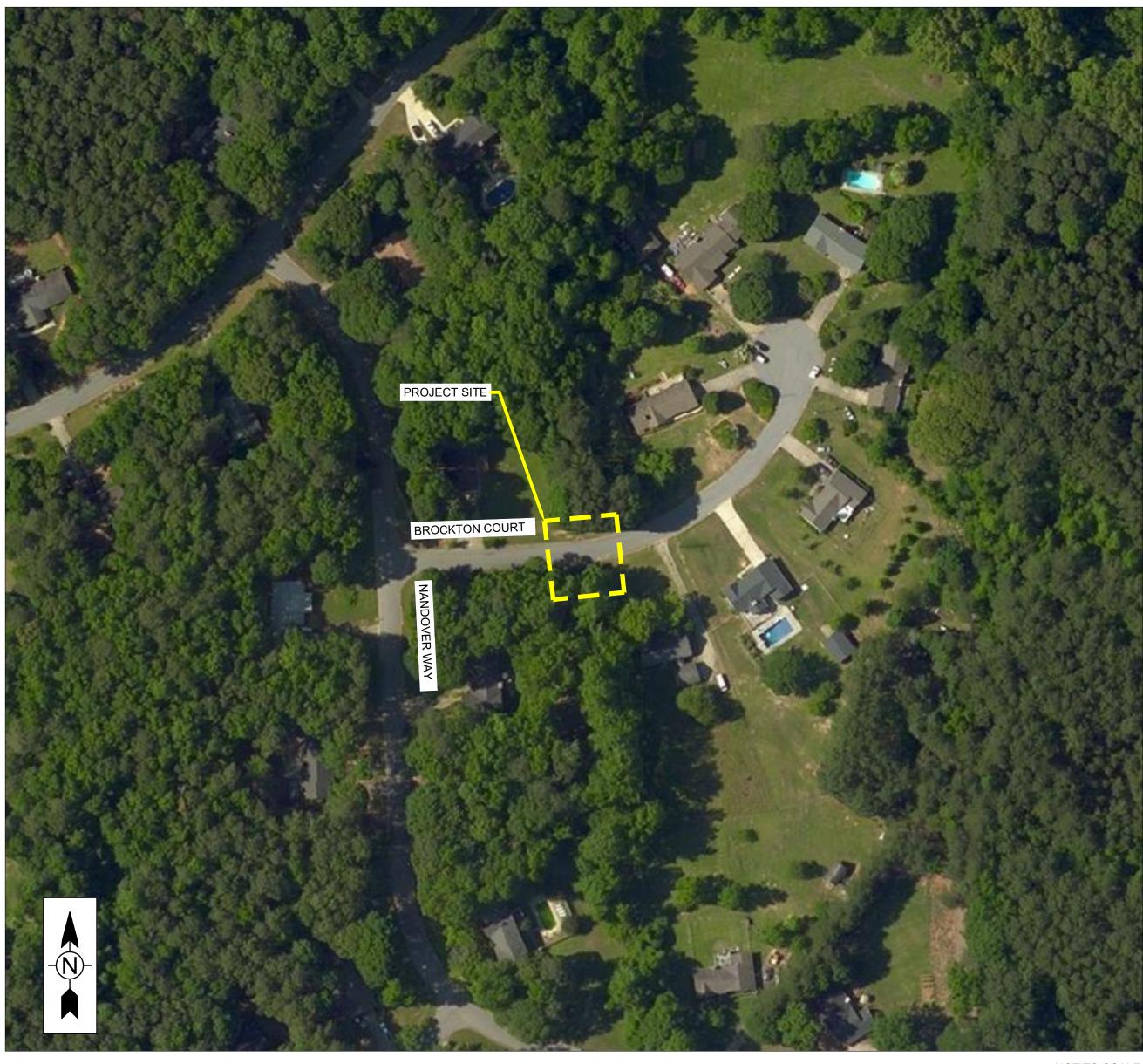
FAYETTE COUNTY BROCKTON COURT CULVERT REPLACEMENT PROJECT PROJECT NUMBER 17SAT

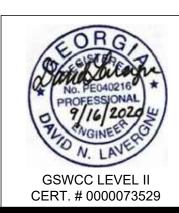




1899 POWERS FERRY ROAD SE, SUITE 400 ATLANTA, GEORGIA 30339 TEL: (770) 850-0949 FAX: (770) 850-0950

PROJECT LOCATION: 115 BROCKTON COURT FAYETTEVILLE, GA 30215

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NOT TO SCALE



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CLIENT INFORMATION:

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

Tt PROJECT No.: 200-01297-17043

CLIENT PROJECT No.: 17SAT

PROJECT DESCRIPTION / NOTES:

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

ISSUED:

ISSUED FOR CONSTRUCTION - 9/16/2020

VICINITY MAP:



LIST OF STANDARD ABBREVIATIONS

A AAP AARV	ALARM ANNUNCIATOR PANEL AUTOMATIC AIR RELEASE
AAV AB ABAN ABRSV ABS	VALVE AUTOMATIC AIR VENT ANCHOR BOLT ABANDON(ED) ABRASIVE ACRYLONITRILE BUTADIENE
ABV AC ACCMP	CORRUGATED METAL PIPE
ACP	ASBESTOS CEMENT PIPE
ADDM	ADDENDUM
ADH	ADHESIVE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFS	ABOVE FINISHED SLAB
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 A/VV <u>B</u>	AIR CONDITIONING AIR/VACUUM AIR VALVE
BAF	BAFFLE
BCV	BALL CHECK VALVE
BF	BLIND FLANGE
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	BEARING
BSP	BLACK STEEL PIPE
BV	BALL VALVE
BW	BOTH WAYS
BWW	BACKWASH WATER
CAP CA CAV CB CCC CE CFM CFS CV CI CIP CISP CJ CJ CL2	CAPACITY COMPRESSED AIR COMBINATION AIR VALVE CATCH BASIN CHLORINE CONTACT CHAMBER CHLORINATED EFFLUENT CUBIC FEET PER MINUTE CUBIC FEET PER SECOND CHECK VALVE CAST IRON CAST IRON PIPE CAST IRON SOIL PIPE CONSTRUCTION JOINT CIRCUIT CENTER LINE CHLORINE GAS
CLF	CHAIN LINK FENCE
CLR	CLEAR OR CLEARANCE
CLVT	CULVERT
CMP	CORRUGATED METAL PIPE
CMPA	CORRUGATED METAL PIPE
CMU CND CNR CO	ARCH CONCRETE MASONRY UNIT CONDUIT CORNER 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
CR CS CSG CTV	CHLORIDE CONCENTRIC REDUCER CHLORINE SOLUTION CASING CABLE TELEVISION
CY	CUBIC YARD
CYL	CYLINDER
C&G	CURB AND GUTTER
C/C	CENTER TO CENTER
D DAT DBL DC DEMO DEPT DESC DET DF DI DIA DIFF DIM DIFF DIR DIP DISCH DIR DN DR DV DW DWG DWV	DATUM DOUBLE DIRECT CURRENT DEMOLITION DEPARTMENT DESCRIPTION DETAIL DIESEL FUEL DUCTILE IRON DIAMETER DIFFUSER DIMENSION DUCTILE IRON PIPE DISCHARGE DIRECTION DROP MANHOLE DOWN DRAIN DIAPHRAGM VALVE DRIVEWAY DRAWING DRAIN, WASTE, AND VENT
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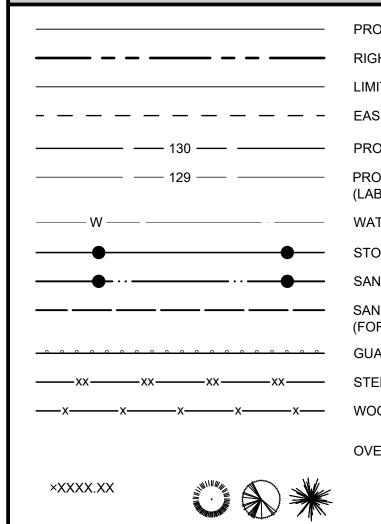
E E		LE LB
E EA ECC	EAST EACH ECCENTRIC	LF LP LS
EF EFF	EACH FACE EFFLUENT	LS LV
E/L EL	EASEMENT LINE ELEVATION ELASTOMERIC	LV M
ELEC	ELECTRICAL EMERGENCY	M M
EMC	ENCASE(MENT) ENGINEER	MA MA
EP EPDM	EDGE OF PAVEMENT ETHYLENE PROPYLENE DIENE MONOMER	MA MA MC
EPRF EQUIP	EXPLOSION PROOF	ME
ER ESTM	ECCENTRIC REDUCER EASEMENT	ME MF
EST EW EXC	ESTIMATE(D) EACH WAY EXCAVATE	MC MC MF
EXP	EXPANSION EXISTING	MI
EXT	EXISTING GRADE EXTERIOR	MI MJ
EXTN F	EXTENSION	ML MC MC
FAB FCA	FABRICATE(D) FLANGED COUPLING ADAPTER	MF
FB FCV	FLAT BAR FLOW-CONTROL VALVE	MS MS
FD FDN FE	FLOOR DRAIN FOUNDATION FILTER(ED) EFFLUENT	M1 M\ M\
FHY FIG	FIRE HYDRANT FIGURE	MV MV
FIN FLR	FINISH(ED) FINISH FLOOR FINISH GRADE	<u>N</u>
FL FLG	FLUORIDE FLANGE(D)	Na Na NE
FLL FLTR	FLOW LINE FILTER	NI NC
FM FPM FPS	FORCE MAIN FEET PER MINUTE FEET PER SECOND	NC NF NF
FRP	FIBERGLASS REINFORCED PLASTIC	NF
FT FUT	FOOT OR FEET FUTURE	NF NT
FV FW FWP	FOOT VALVE FINISHED WATER FACTORY WIRED PANEL	NV N//
F/F	FACE TO FACE	<u>0</u>
GA	GAUGE	00
GAL GALV GIP	GALLON(S) GALVANIZED GALVANIZED IRON PIPE	OE OF OH
GJ GND	GROOVE JOINT GROUND	OH OF
GPD GPH GPM	GALLONS PER DAY GALLONS PER HOUR GALLONS PER MINUTE	OF OF OS
GPS GR	GALLONS PER SECOND GRADE	08
GRTG GS	GRATING GALVANIZED STEEL	P PA
GSP GSR GST	GALVANIZED STEEL PIPE GROUND STORAGE RESERVOIR GROUND STORAGE TANK	PC PC
GT GV	GROUT GATE VALVE	PE PG
H		PI PL
HB HD HDPE	HOSE BIBB HEAVY-DUTY HIGH-DENSITY POLYETHYLENE	P/L PN PC
HDR HFA	HYDRAULIC HYDROFLUOSILICIC ACID	PC PC
HGR HGT	HANGER HEIGHT HAND RAIL	PP PP PP
HOA HORIZ	HAND KAIL HAND-OFF-AUTO HORIZONTAL	PR PR
HP HPA	HORSEPOWER HIGH PRESSURE AIR	PR PR
HR HVAC	HOUR HEATING, VENTILATION, AND AIR CONDITIONING	PS PS PS
HWL HWY	HIGH WATER LEVEL HIGHWAY	PS
HZ	HERTZ	PT PV
<u>I</u> ID IN	INSIDE DIAMETER INCH(ES)	PV PV PV
INF INT	INFLUENT INTERSECTION	PV PV
INTR INV IP	INTERIOR INVERT IRON PIPE	<u>a</u> Q
IPS	INTERNATIONAL PIPE STANDARD	QT
IR IW	INTERNAL RECYCLE IRRIGATION WATER	<u>R</u> RA
<u>J</u> JB	JUNCTION BOX	RA RC RC
JT	JOINT	RC
K K KPL	KIP (1,000 LB) KICK PLATE	RE RE
KPL KV KVA	KICK PLATE KILOVOLT KILOVOLT-AMPERE	RL RE RE
KW KWH	KILOWATT KILOWATT-HOUR	RE RE
<u>L</u>	LEFT	RE RF RJ
LAB LAM	LABORATORY LAMINATE OR LAMINATION	RJ RM RF
LATL LAV	LATERAL LAVATORY	RF

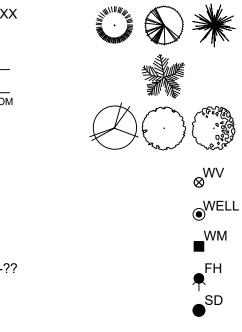
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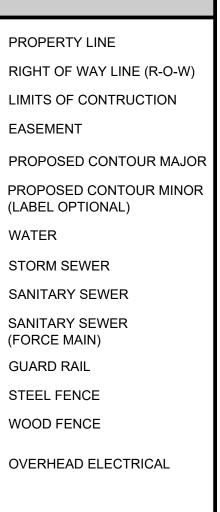
LEN LB LF LS LSS LVR	LENGTH POUND(S) LINEAR FEET LIGHT POLE LIME SLURRY LIME STABILIZED SLUDGE LOUVER	RR RT RVT RW RWW R/W	RAILROAD RIGHT RIVETED RAW WATER RAW WASTEWATER RIGHT-OF-WAY
LWL M MAINT MAN MAS MAS MAS MAS MAC ME G ME G MFR MG MFR MG MFR MG MH MIN MISC MJ MO N MPH MSP MTD MV MW MWL MWP MWP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

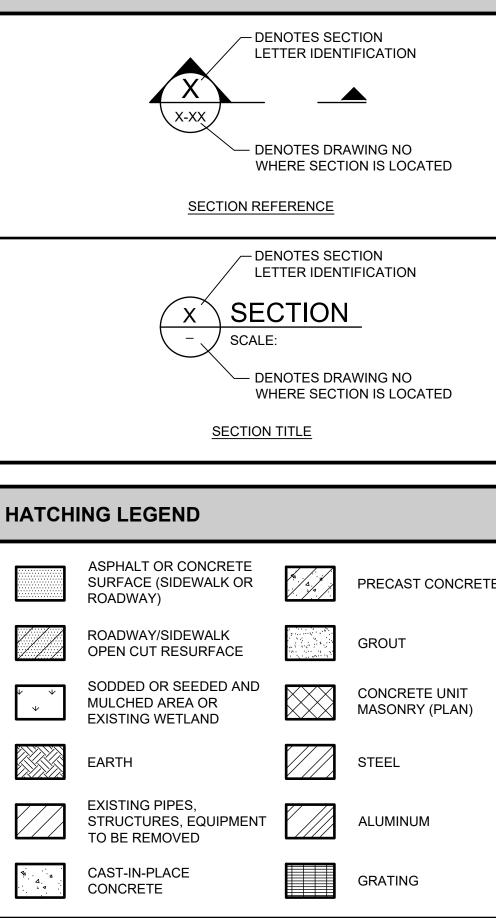
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	E-LINE	DOUBLE	E-LINE PROPOSED	SINGL	E-LINE PROPOSED	DOUBL EXISTING	-E-LINE PROPOSED	SINGL	LE-LINE PROPOSED	DOUBL	LE-LINE PROPOSED	SINGL	LE-LINE PROPOSED	DOUBL	-E-LINE PROPOSED	SINGL	APPURTENANCE
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CE									₩A]∫∮(,					BALL VALVE
			₹ Z						N/A	N/A N/A	N/A N/A	N/A					CHECK VALVE
									₽₩₽								GATE VALVE
							- K		₽₽₩₽				-E- €				PLUG VALVE
	E F		-Å-				- Þ Â-		N/A	N/A	N/A	N/A	-£- \$				AUTOMATIC CONTROL VALVE
	::				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	- E-%- -}				PINCH VALVE
CC B≺									S	SYMBOL	FERENCE	RE				۱D	
TAL	NUMBER	OTES DETAIL N						SECTION DENTIFICATION	<u> </u>	X x-xx			AY LINE (R-O-W	LIMITS OF CO			
SCRIPTION % SUBMIT			REFERENCE	OCATED	ENOTES DRAW RE DETAIL IS LO			ECTION IS LOC		SECT			CONTOUR MAJ(CONTOUR MINC ONAL)			— 130 — - — 129 — -	
DATE DE9 02/19/20 100							١	DENTIFICATION	,					STORM SEW			•
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COUNTY	<u>OPOSED</u>				_		T CONCRETE	7	RETE	EGEND	ASPH, SURF,	HA		OVERHEAD E		Ż	
FAYETTE COUNTY	<u>OPOSED</u>		G LEGEND		HANICAL			7	RETE K OR	EGEND	ASPH, SURF, ROAD	HA		OVERHEAD E		Ż	
FAYETTE COUNTY	<u>OPOSED</u>		G LEGEND		HANICAL E LINE N LINE R LINE	VISIBLI HIDDEI CENTE	T CONCRETE	PRECAS GROUT	RETE K OR K ACE D AND	EGEND ALT OR CONCR ACE (SIDEWALF WAY) WAY/SIDEWALF	ASPH, SURF, ROAD ROAD OPEN			OVERHEAD E		Ż	ТОР
COUNTY	<u>OPOSED</u>		G LEGEND		E LINE N LINE R LINE OM LINE	VISIBLI HIDDEI CENTE	T CONCRETE	PRECAS GROUT CONCRE MASONR	RETE K OR K ACE D AND	EGEND ALT OR CONCR ACE (SIDEWALF WAY) WAY/SIDEWALF CUT RESURFA ED OR SEEDED HED AREA OR ING WETLAND	ASPH, SURF, ROAD ROAD OPEN V V SODD MULC EXIST			OVERHEAD E	wv € WV € WELL	Ż	тор воттом ₩ Съ









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GENERAL NOTES	

PROJECT INFORMATION:

(THE PROJECT SHALL CONSIST OF THE DEMOLITION OF THE 76 LINEAR FEET (LF) OF EXISTING 60" CMP CULVERT UNDER BROCKTON COURT AND THE INSTALLATION OF 66 LF OF A 5'X5' CONCRETE BOX CULVERT ALONG WITH THE RELOCATION OF THE EXISTING JTILITIES IN THE AREA AND THE DESIGN AND INSTALLATION OF A 20 LF OF RETAINING WALL. CONTRACTOR TO PROVIDE GDOT CAST-IN-PLACE OR GDOT PRECAST EQUIVALENT WITH ALL ASSOCIATED APPURTENANCES.	6.	BE RE
2.	THE ORDER OF MAJOR LAND DISTURBING ACTIVITIES IS INDICATED IN THE ACTIVITY SCHEDULE LOCATED ON SHEET C-505.		RE TH UN
3	THE TOTAL AND DISTURBED ACREAGE FOR THE PROJECT IS 0.46 ACRES.		IN AS
4	THE CULVERT REPLACEMENT PROJECT LOCATION IS: N 33.39911° W 84.46287°		IT CC
FA	YETTE COUNTY WATER SYSTEM NOTES:	7.	CC FA
1. F	FAYETTE COUNTY WATER SYSTEM SPECIFICATIONS AND DETAILS SHALL GOVERN ALL WATER MAIN CONSTRUCTION.	7.	EN
	ALL MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH FAYETTE COUNTY WATER SYSTEM AND AWWA STANDARDS AND SPECIFICATIONS.	8.	TH LA PA
	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.	
	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.		EN W
5. I	MAINTAIN 24" MINIMUM CLEARANCE BETWEEN WATERLINE AND OTHER STRUCTURES, EXCEPT WHERE INDICATED IN PLANS.	10). AL TH
6. (CONTRACTOR SHALL MAINTAIN A MINIMUM OF 4' OVER ALL WATER LINES.		MC
7. (CONTRACTOR SHALL FLAG WATER LINE AND SERVICE LOCATIONS TO PREVENT DAMAGE BY OTHER UTILITY CONTRACTORS.	11	. TH
8. F	PROPER COMPACTION IS REQUIRED THROUGHOUT THE PROJECT. (95% PERVIOUS, 98% IMPERVIOUS)		 T⊦ OF
9. l	JNSUITABLE SOIL MATERIALS SHALL BE REPLACED WITH SUITABLE MATERIALS.	12	2. TH
١	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 PRIOR TO BEING PLACED IN SERVICE.	12	PH RE
	TOP OF CURBS SHALL BE PERMANENTLY MARKED AND PAINTED BLUE AT MAIN AND SERVICE CROSSINGS, AS WELL AS, VALVE AND METER LOCATIONS.		6. TC AS
	WATERLINE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL, INCLUDING SIGNAGE AND FLAGMEN, WHILE WORKING WITHIN THE RIGHT OF WAY OF ANY EXISTING ROAD.	14	. AN RE CC
E	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 CERTIFICATION CARD. DOCUMENTATION SHALL BE AVAILABLE UPON REQUEST BY ANY COUNTY EMPLOYEE.	15	5. IT TC
	WATER TO BE PROVIDED BY FAYETTE COUNTY WATER SYSTEM.	16	6. CL AL
	ALL TIE-INS SHALL BE COORDINATED WITH FAYETTE COUNTY WATER SYSTEM.	17	. PF
	PERSONNEL ONLY.		AE PE
I	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.		AN EX TC DL
	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.		MA
	WHILE THE EXCAVATION IS OPEN, UNDERGROUND INSTALLATIONS SHALL BE PROTECTED, SUPPORTED OR REMOVED AS NECESSARY TO SAFEGUARD EMPLOYEES.		EMC
l	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.	1.	FL W
	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	2.	TH TE TC
	ALL CONTRACTORS MUST HAVE A CERTIFIED COMPETENT PERSON ON SITE WHILE WORK IS BEING PERFORMED. DOCUMENTATION	3.	T⊦
•	SHALL BE AVAILABLE UPON REQUEST BY ANY COUNTY EMPLOYEE.		RE
22./ / (SHALL BE AVAILABLE UPON REQUEST BY ANY COUNTY EMPLOYEE. 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. DOCUMENTATION SHALL BE AVAILABLE UPON REQUEST BY ANY COUNTY EMPLOYEE.		O\ TH RE
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GENERAL (CONTINUED)

LOCATION OF ALL EXISTING UTILITIES AND STORM DRAINAGE SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE IT 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 DERGROUND UTILITIES, WHETHER SHOWN ON THE PLAN OR LOCATED BY THE UTILITY COMPANY. ALL UTILITIES WHICH ERFERE 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 NTRACTOR BY THE RELOCATION OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA **MPENSATION WILL BE ALLOWED.**

ETTE COUNTY WILL SCHEDULE A PRECONSTRUCTION MEETING TO BE HELD BETWEEN FAYETTE COUNTY, UTILITIES, GINEER 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 JRS HOURS BEFORE REQUIRED INSPECTION ON EACH AND EVERY PHASE OF WORK. THE CONTRACTOR SHALL NOTIFY THE SINEER A MINIMUM OF 48 HOURS NOTICE PRIOR TO ANY SCHEDULED TESTING. NO PRESSURE TESTING, OR FINAL TESTING L 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 NUMENTATION 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.

E 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 CORD WITHIN TWO (2) WEEKS AFTER CONSTRUCTION HAS BEEN COMPLETED ON EACH PHASE

POGRAPHIC INFORMATION SHOWN ON THESE PLANS WERE TAKEN FROM SURVEY PROVIDED BY: ROCHESTER AND SOCIATES, INC., DATED: SEPTEMBER 17, 2017.

CONSTRUCTION BEYOND THE RIGHT-OF-WAY AND/OR ESTABLISHED EASEMENT LINES, ONTO ADJACENT PROPERTY, QUIRES ADJACENT PROPERTY OWNER PERMISSION AND NECESSARY EASEMENTS PRIOR TO PERFORMING ANY WORK. THE NTRACTOR IS TO VERIFY SUCH EASEMENTS AND PERMISSIONS PRIOR TO DISTURBING ANY OFF-SITE PROPERTY.

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 DITIONAL 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 RING 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.

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 H 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 10VAL OR DEMOLITION AND SHALL PROMPTLY REPAIR ANY DAMAGE AS DIRECTED BY THE ENGINEER AT NO COST TO THE NFR

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 10VAL. PRIOR TO CONNECTING PROPOSED PAVEMENT TO EXISTING PAVEMENT, THE CONTRACTOR SHALL ENSURE THAT THE SE OF THE EXISTING PAVEMENT IS STRAIGHT AND UNIFORM.

IPORARY AND PERMANENT EASEMENTS SHALL BE CLEARED IN THEIR ENTIRETY. ANY TREE LEFT WITH THE LIMITS OF TURBANCE WILL BE REMOVED BY THE CONTRACTOR PRIOR TO FINAL ACCEPTANCE AT NO COST TO THE COUNTY.

WORK, 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.

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

BILIZED SUBGRADE TO MEET SPECIFIED REQUIREMENTS.

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

PAVEMENT 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 USING MEASURES THAT MATCH THE EXISTING ETATIVE CONDITIONS OF THE SITE. 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 AND GASKETS SHALL BE IN ACCORDANCE WITH ASTM C - 443 OR ASTM D - 412.

EARTHWORK, GRADING, STABILIZATION, PAVING AND DRAINAGE (CONTINUED)

- FOR MITERED END SECTIONS.
- WATER USE PERMITS IF REQUIRED FOR DEWATERING ACTIVITIES.
- PROVIDE PROPER GRADE ELEVATIONS AND ALIGNMENTS.
- SHALL BE STAKED.

OTHER UTILITY INFORMATION:

- INFLUENCE OF CATHODIC PROTECTION ANODE BED.

SPILL CONTROL NOTES:

- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
- AGENCY, REGARDLESS OF SIZE.
- IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
- CLEANUP COORDINATOR.
- STATE REGULATIONS.

9. ALL PIPE CALL OUTS ARE MEASURED CENTER LINE TO CENTER LINE FOR MANHOLES AND INLETS AND FROM THE END OF THE PIPE

10. ALL DEWATERING COSTS ASSOCIATED WITH THE INSTALLATION AND CONSTRUCTION OF THE UNDERGROUND UTILITIES; STORM WATER PIPES AND MANHOLES; SANITARY SEWER MAINS, FORCE MAINS, MANHOLES, AND LIFT STATIONS; AND STORM WATER MANAGEMENT SYSTEMS SHALL BE INCLUDED AS PART OF THE CONSTRUCTION BID COSTS. THE CONTRACTOR SHALL SUBMIT FOR

11. ALL PIPES SHALL HAVE 3 FEET MINIMUM COVER UNLESS OTHERWISE SPECIFIED IN PLANS, CONTRACTOR SHALL TAKE CARE TO

12. THE CONTRACTOR MUST INSTALL AND MAINTAIN GRASS OR SOD ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETED FINAL GRADES, AS NOTED ON PLANS, AND AT ANY OTHER TIME AS NECESSARY TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES TO ANY DOWNSTREAM WATER BODY, WETLAND, OR OFF-SITE PROPERTY. SODDING ON SLOPES 3:1 AND STEEPER

13. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO CONTROL TURBIDITY AND SEDIMENT INCLUDING, BUT NOT LIMITED TO, THE INSTALLATION OF TURBIDITY BARRIERS AND SILT FENCES AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY AND SEDIMENT BARRIERS MUST BE MAINTAINED AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVING THE BARRIERS.

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.

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

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS NOTES OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

a. MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

c. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT

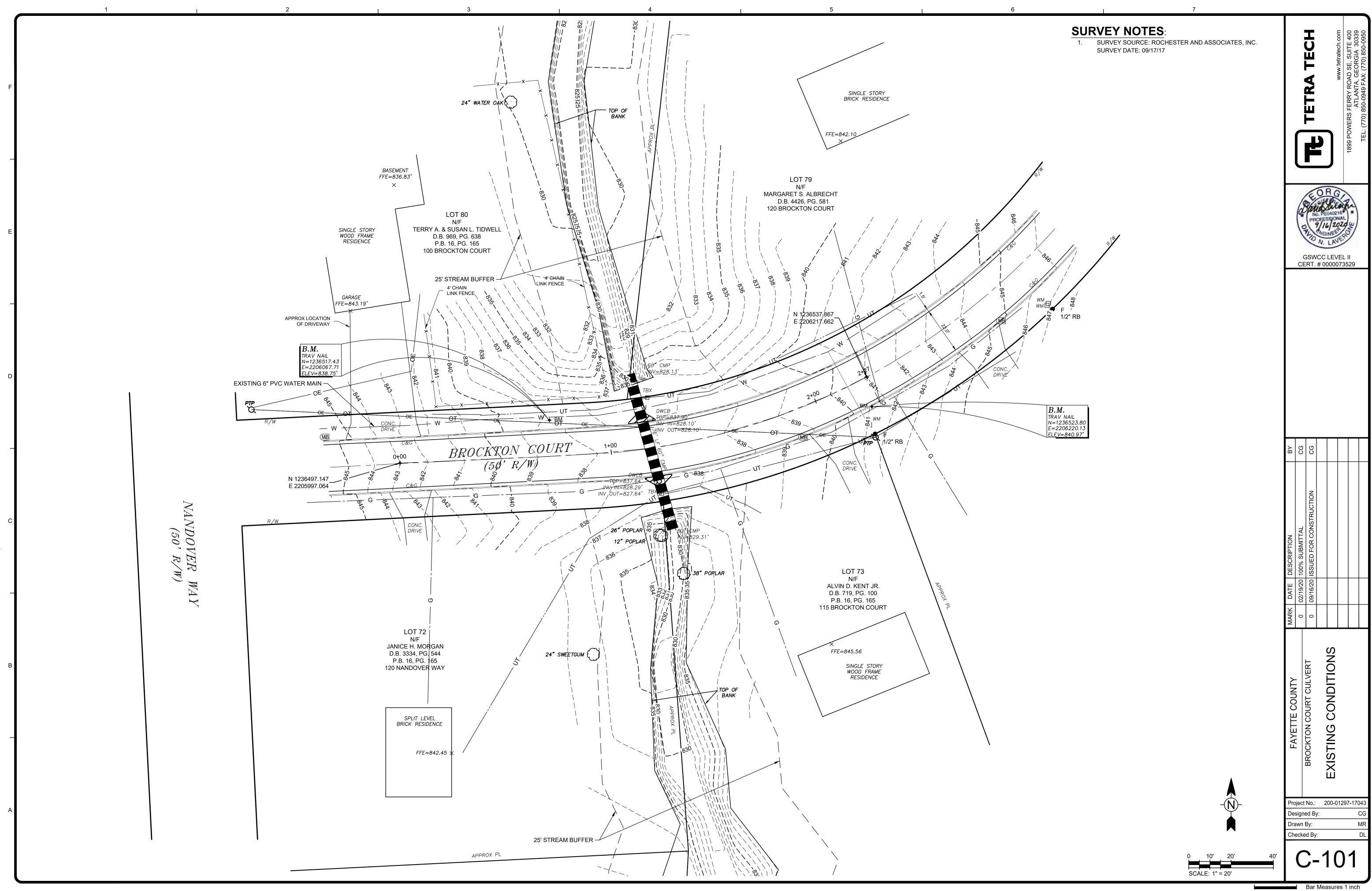
d. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED

e. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS WILL BE THE SPILL PREVENTION AND

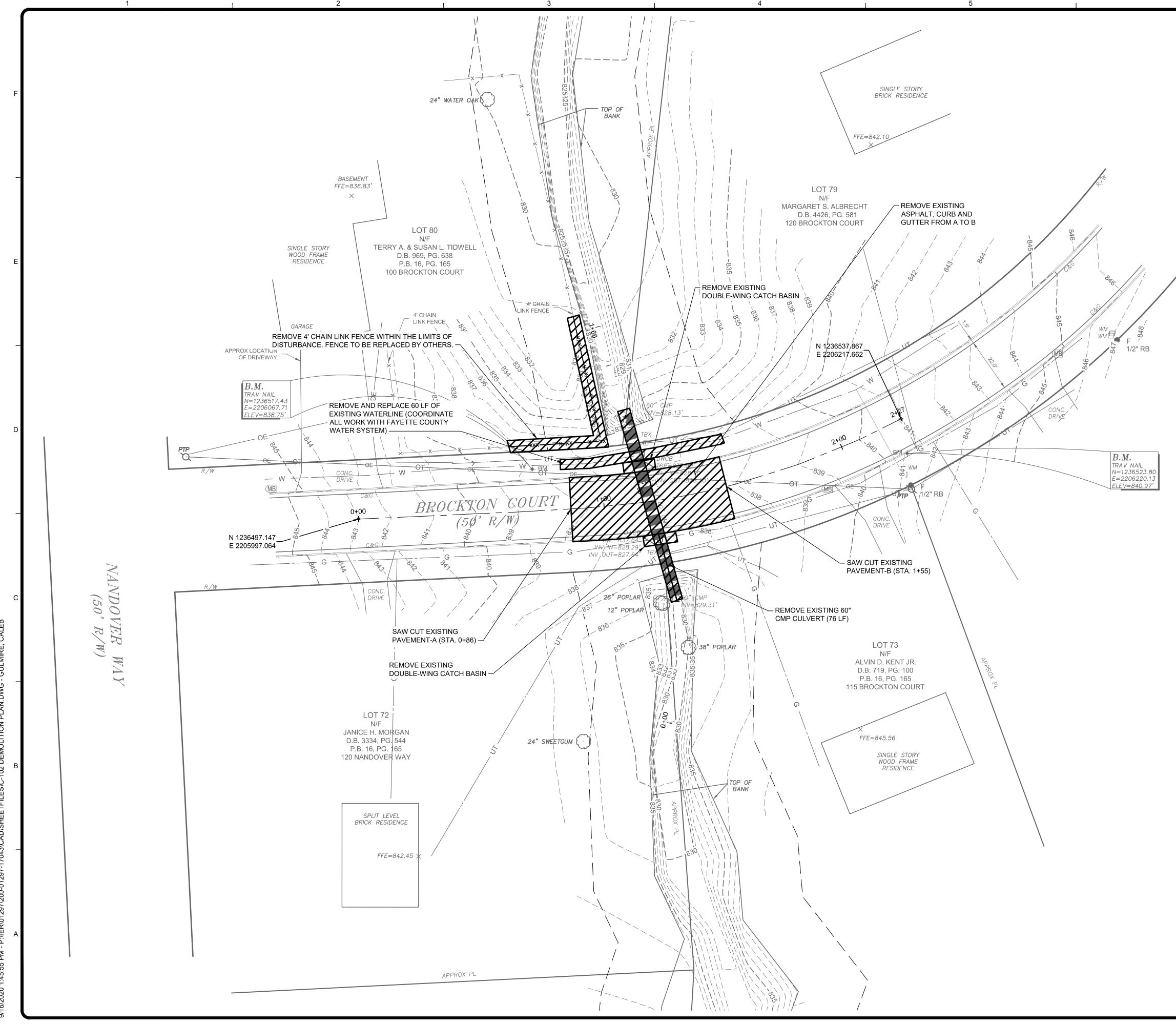
PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM 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

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Bar Measures 1 inch



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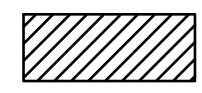


DEMOLITION NOTES:

A. PROTECTION:

- 1. PERFORM DEMOLITION SO AS TO PREVENT DAMAGE TO ADJACENT IMPROVEMENTS AND FACILITIES TO REMAIN.
- 2. PROTECT NEW OR EXISTING WORK FROM DAMAGE DURING DEMOLITION OPERATIONS.
- 3. PROTECT EXISTING SITE APPURTENANCES AND LANDSCAPING TO REMAIN. 4. DAMAGES: WITHOUT COST TO 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.
- 6. CONTRACTOR TO COORDINATE WITH THE COUNTY AND UTILITY COMPANIES ON THE RELOCATION OF UTILITIES.
- 7. ANY ASPHALT OUTSIDE OF THE MILLING PAVING LIMITS WILL BE MILLED AND RESURFACED AT NO ADDITIONAL COST TO FAYETTE COUNTY. B. REMOVAL & DISPOSAL OF DEMOLISHED MATERIALS:
- 1. 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.
- 2. CONSTRUCTION OR ITEMS INDICATED TO REMAIN SHALL BE PROTECTED AGAINST DAMAGE DURING DEMOLITION OPERATIONS.
- 3. PROMPTLY DISPOSE OF MATERIALS RESULTING FROM DEMOLITION OPERATIONS. DO NOT ALLOW MATERIALS TO ACCUMULATED ON SITE
- 4. TRANSPORT MATERIALS RESULTING FROM DEMOLITION OPERATIONS AND LEGALLY DISPOSE OF OFF-SITE.
- 5. 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 LAYDOWN AREAS WITH THE COUNTY.
- 8. ANY TREE WITH MORE THAN 30% OF THE CRITICAL ROOT ZONE COMPROMISED (ABOUT 1.5X DIAMETER) WILL REQUIRE REMOVAL POST-CONSTRUCTION AT NO ADDITIONAL COST TO FAYETTE COUNTY. 9. CONTRACTOR TO CLEAR ALL TREES IN THE TEMPORARY AND
- PERMANENT EASEMENT AREAS. IT WILL BE THE CONTRACTORS RESPONSIBILITY TO REMOVE ANY TREES THAT INCUR DAMAGE OR STRESS AT NO EXPENSE TO THE COUNTY.
- C. POLLUTION CONTROLS:
- 8. CONTROL THE SPREAD OF DUST AND DIRT WITH PRACTICAL MEANS. 9. OBSERVE ENVIRONMENTAL PROTECTION REGULATIONS.
- 10. DO NOT ALLOW WATER USAGE THAT RESULTS IN FREEZING OR FLOODING.
- 11. DO NOT ALLOW ADJACENT IMPROVEMENTS TO REMAIN TO BECOME SOILED BY DEMOLITION OPERATIONS.
- D. CLEANING:
- REMOVE TOOLS AND EQUIPMENT. DISPOSE OF SCRAP. 1
- 2. LEAVE EXTERIOR AREAS FREE OF DEBRIS.
- 3. CLEAN SOIL, SMUDGES, AND DUST FROM SURFACES TO REMAIN. 4. RETURN STRUCTURES AND SURFACES TO REMAIN TO CONDITION EXISTING PRIOR TO COMMENCEMENT OF DEMOLITION.

DEMOLITION LEGEND:



REMOVE COMPONENT

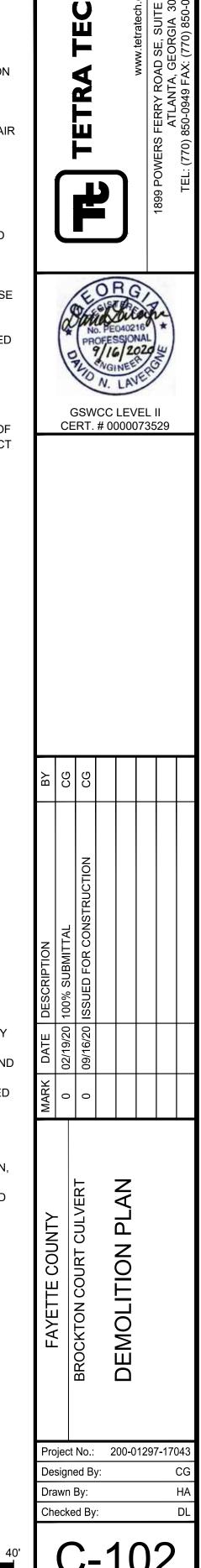
NOTES:

- 1. CONTRACTOR TO COORDINATE LANE CLOSURE WITH FAYETTE COUNTY AND PROVIDE AT LEAST ONE 10-FT TRAVEL LANE AT ALL TIMES AND CONFORM TO THE MANUAL ON UNIFORM TRAFFIC DEVICES (MUTCD) AND GDOT STANDARDS.
- 2. ALL CONCRETE FORMWORK AND REINFORCING BARS TO BE INSPECTED BY THE FIELD REPRESENTATIVE IN CONJUNCTION WITH THE CONTRACTORS REPRESENTATIVE BEFORE CONCRETE IS PLACED.
- CONTRACTOR TO ESTABLISH TEMPORARY SUPPORT FOR EXISTING 3.
- UTILITIES AND MAINTAIN IT THROUGHOUT CONSTRUCTION.
- CONTRACTOR TO MAINTAIN UTILITY SERVICES DURING CONSTRUCTION, 4.
- WITH MINIMAL INTERRUPTION. CONTRACTOR TO BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGED 5. CURB OR DRIVEWAYS DURING CONSTRUCTION.

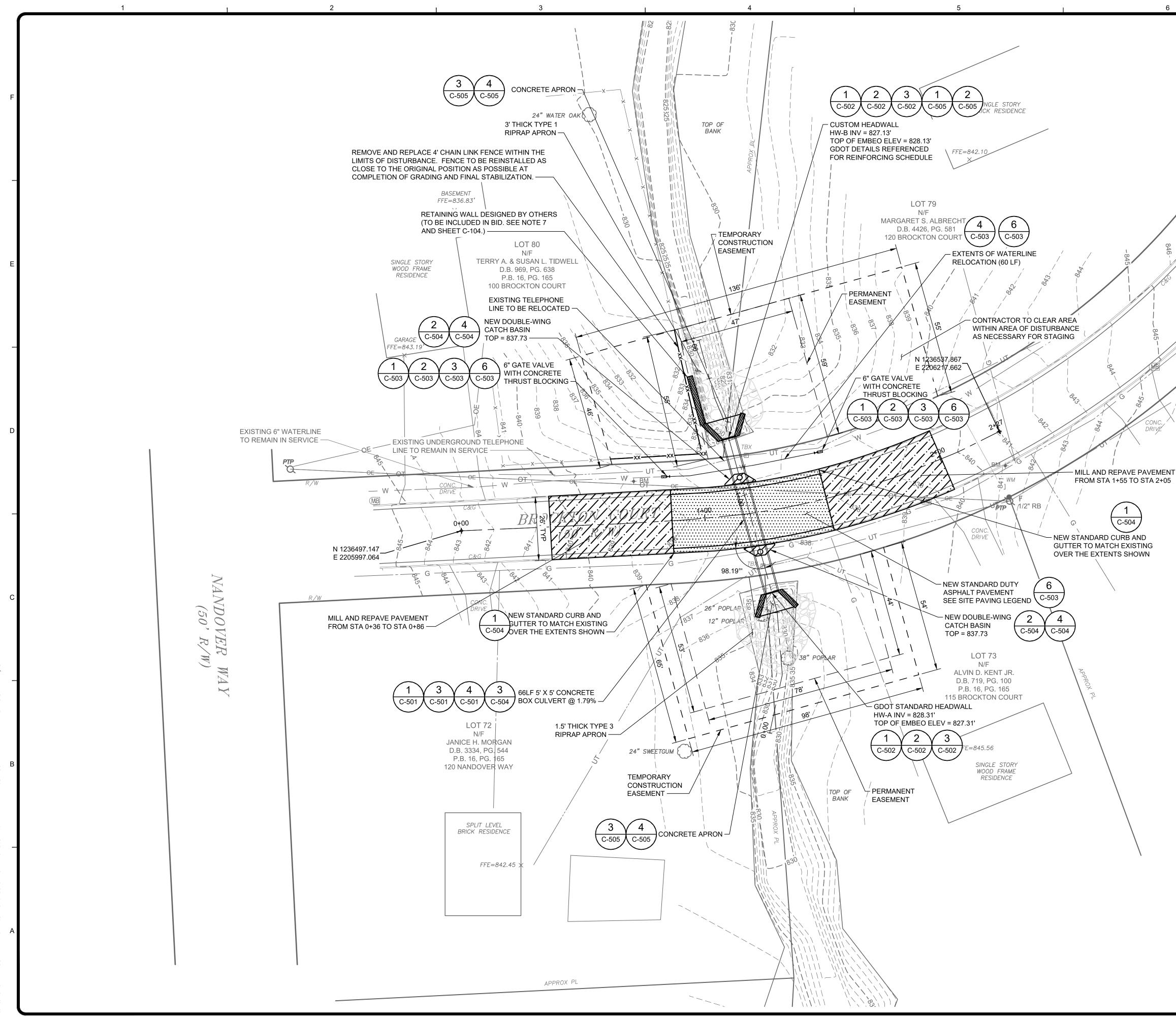
10'

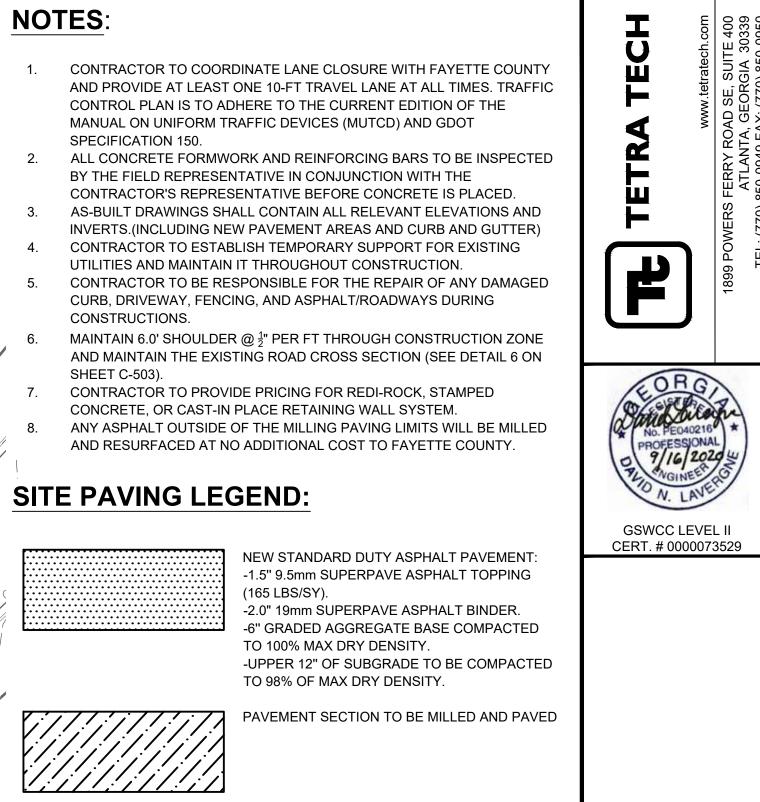
SCALE: 1" = 20'

20'



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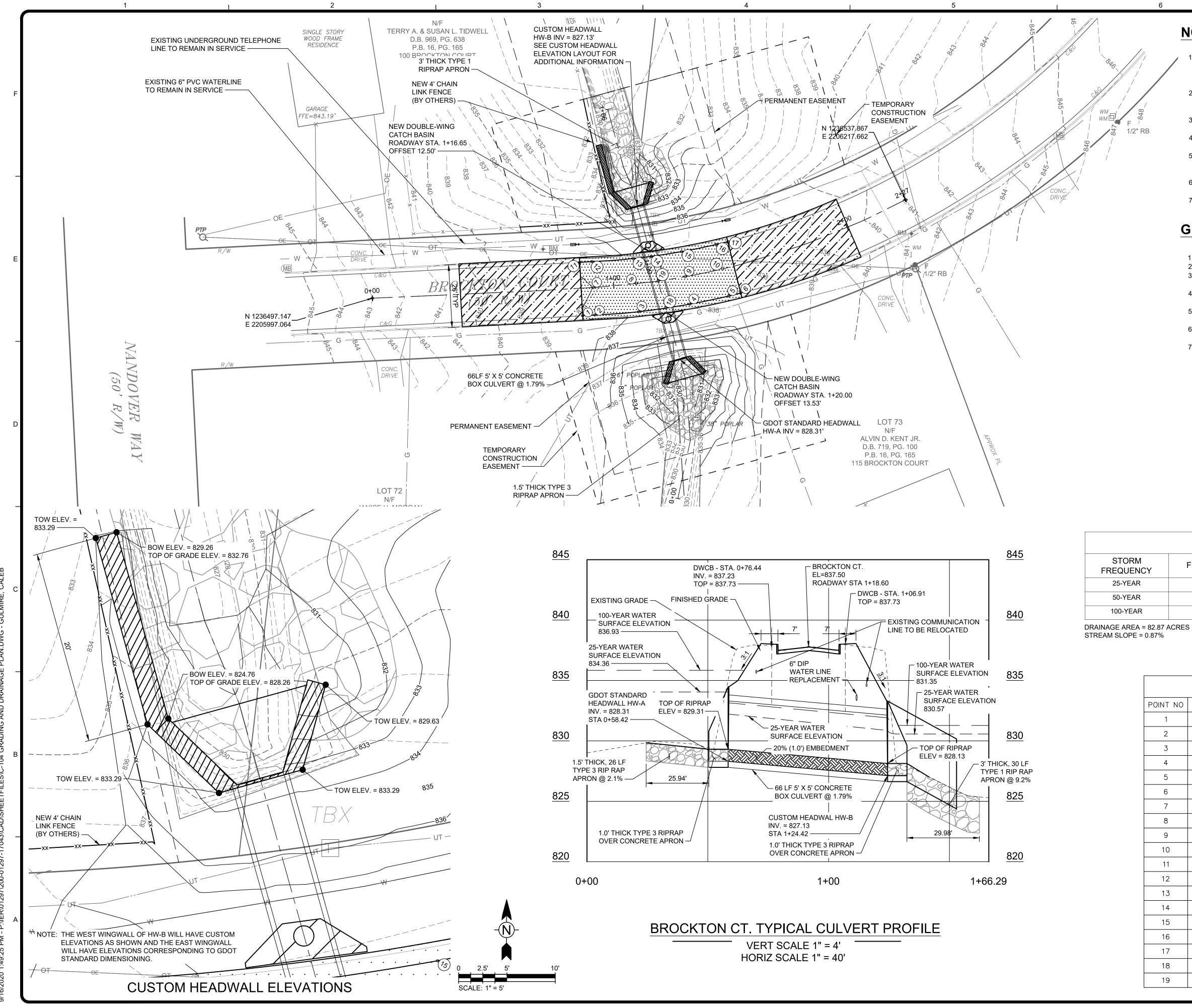
10'

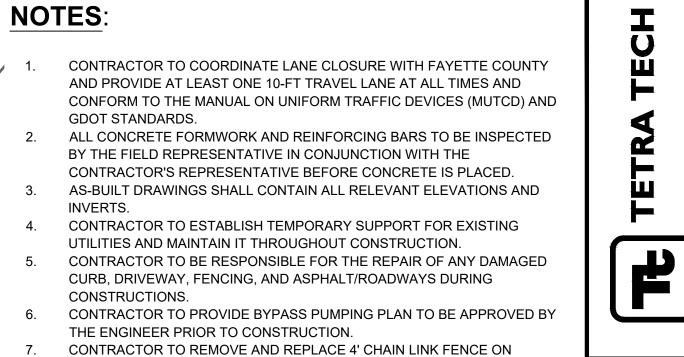
SCALE: 1" = 20'

20'

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Bar Measures 1 inch

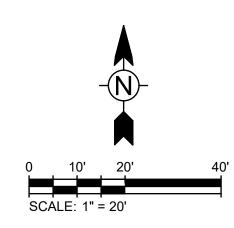




TIDWELL PROPERTY WITHIN THE LIMITS OF DISTURBANCE.

GRADING NOTES:

- ALL RIPRAP TO BE GDOT TYPE AS CALLED FOR IN PLANS. 1.
- ROAD TO BE GRADED FROM CROWN TO EDGE OF ASPHALT AT 1/4" PER 1' 2. MINIMUM SHOULDER WIDTH TO BE PROVIDED IS 6', SLOPE TOWARDS THE 3. ROADWAY AT 1/2" PER FOOT.
- SIDE SLOPES TO BE GRADED AT 3:1 WHERE POSSIBLE. THE MAXIMUM 4. SLOPE TO BE PROVIDED IS 2:1.
- ROAD CROSS SECTION SHALL COMPLY WITH FAYETTE COUNTY 5. STANDARDS (SEE SHEET C-503, DETAIL 6).
- DWCB BOXES TO BE SET AT THE LOW POINT ALONG THE ROAD WITHIN 6. THE PROJECT LIMITS.
- OVERHEAD POWERLINES ARE REQUIRED TO BE FLAGGED IN RED. 7.



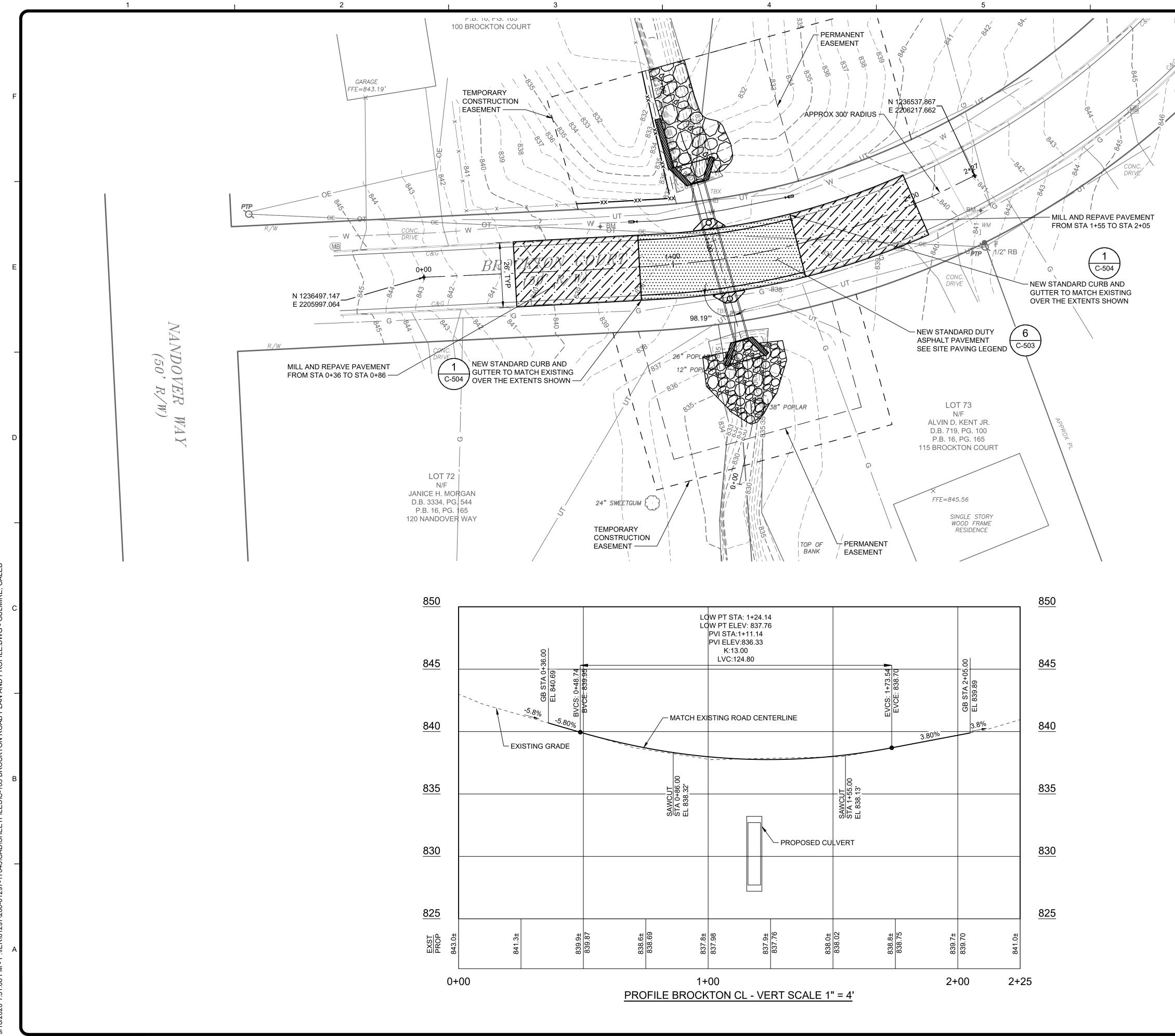
FLOW SUMMARY TABLE								
FLOW (CFS)	OUTLET VELOCITY (FPS)	DOWNSTREAM VELOCITY (FPS)						
129	9.4	15.1						
165	10.2	16.3						
205	11.0	17.4						

ROAD			
1.07.02	POINT TA	BLE	
ORTHING	EASTING	ELEV	DESC
36489.91	2206084.10	837.91	EP
36490.20	2206089.09	837.76	EP
36491.54	2206107.25	837.45	EP
36494.69	2206128.43	837.35	EP
36498.06	2206144.56	837.52	EP
36499.26	2206149.51	837.57	EP
36501.49	2206088.44	837.99	CL
36503.24	2206106.32	837.66	CL
36506.07	2206126.63	837.58	CL
36509.21	2206141.94	837.74	CL
36512.00	2206082.86	837.81	EP
36512.27	2206087.85	837.76	EP
36513.55	2206104.98	837.45	EP
36514.46	2206112.45	837.25	EP-LO PT
236516.41	2206124.99	837.36	EP
36519.36	2206139.29	837.52	EP
36520.56	2206144.25	837.59	EP
36493.04	2206118.43	837.25	EP-LO PT
36504.22	2206115.31	837.50	CL @ PIPE
	36489.91 36490.20 36491.54 36494.69 36498.06 36499.26 36501.49 36503.24 36506.07 36509.21 36512.00 36512.27 36513.55 36514.46 36516.41 36519.36 36520.56 36493.04	36489.91 2206084.10 36490.20 2206089.09 36491.54 2206107.25 36494.69 2206128.43 36498.06 2206144.56 36499.26 2206149.51 36501.49 2206088.44 36503.24 2206106.32 36506.07 2206126.63 36509.21 2206082.86 36512.00 2206087.85 36513.55 2206104.98 36514.46 2206124.99 36519.36 2206124.99 36519.36 2206124.99 36514.46 2206124.99 36519.36 2206139.29 36520.56 2206144.25 36493.04 2206118.43	36489.912206084.10837.9136490.202206089.09837.7636491.542206107.25837.4536494.692206128.43837.3536498.062206144.56837.5236499.262206149.51837.5736501.492206088.44837.9936503.242206106.32837.6636509.212206126.63837.5836512.002206082.86837.8136512.272206087.85837.7636513.552206104.98837.4536514.462206112.45837.2536516.412206124.99837.3636519.362206139.29837.5236520.562206144.25837.5936493.042206118.43837.25

ВΥ	SG	CG				
MARK DATE DESCRIPTION	02/19/20 100% SUBMITTAL	09/16/20 ISSUED FOR CONSTRUCTION				
DAT	02/19	09/16				
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FAYETTE COUNTY		BROCKTON COURT CULVERT		GRADING AND	DRAINAGE PI AN	
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GSWCC LEVEL II

CERT. # 0000073529

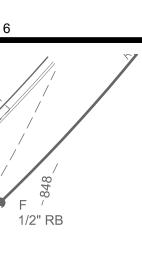


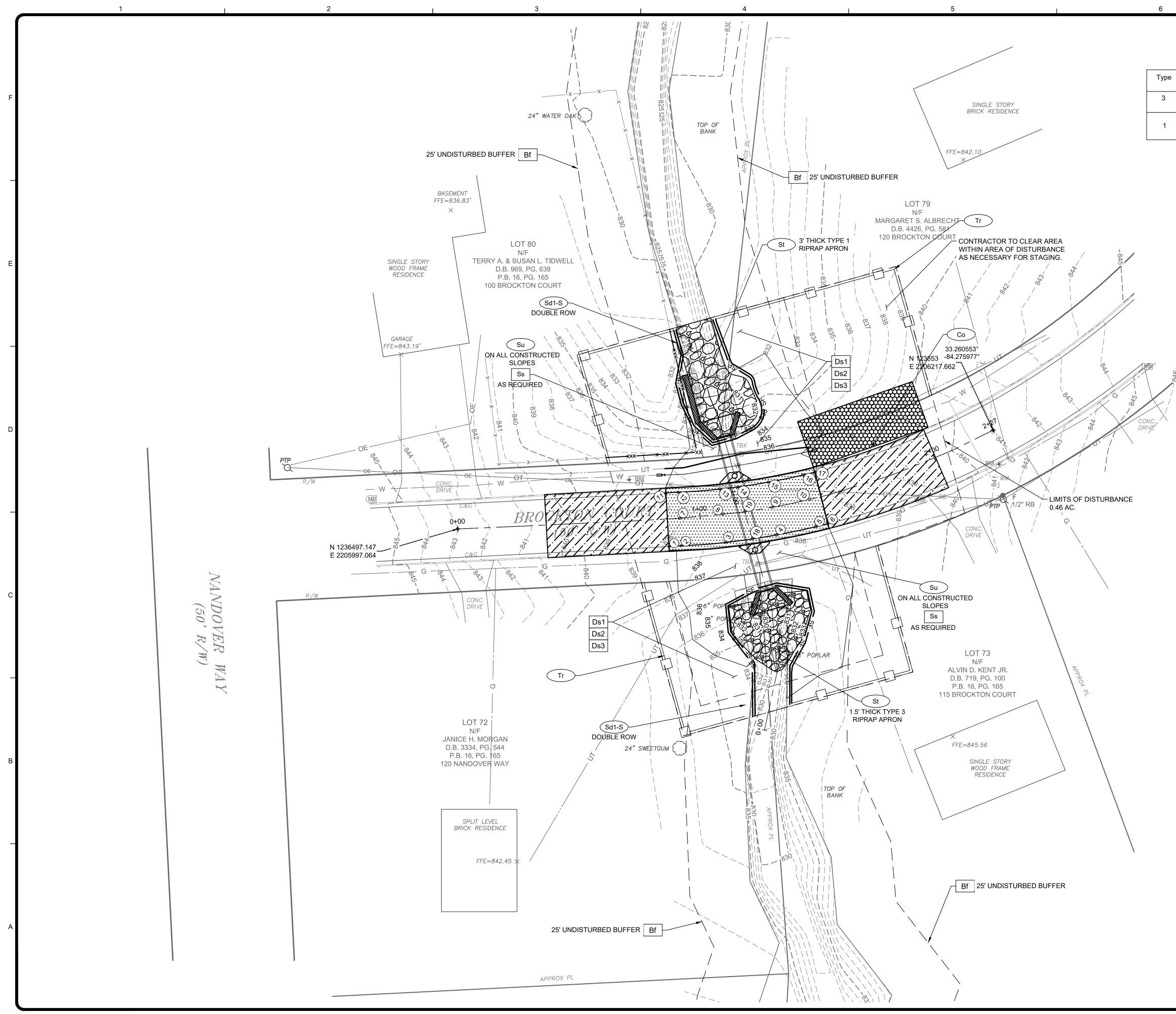
0 1:51:08 PM - P:\IER\01297\200-01297-17043\CAD\SHEETFILES\C-105 BROCKTON ROAD PLAN AND PROFILE.DWG - GU

			TETRA TECH			www.tetratecn.com	1899 POWERS FERRY ROAD SE, SUITE 400 ATLANTA. GEORGIA 30339	TEL: (770) 850-0949 FAX: (770) 850-0950
		C	GSW ERT.			EL DT3	II 529	
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0 10' 20'

SCALE: 1" = 20'





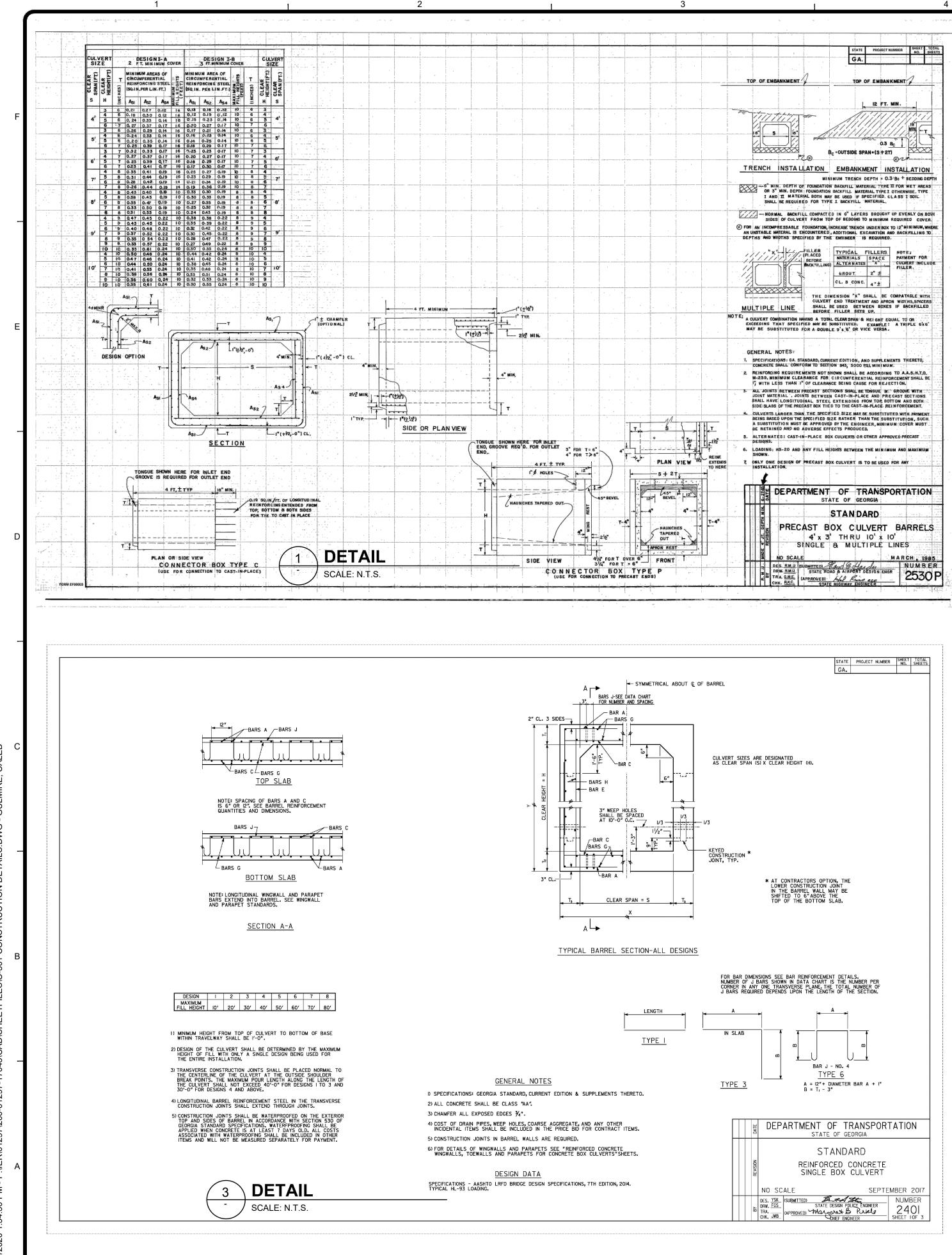
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		GRADED	RIP RAP STON	F				ËCH	www.tetratech.com	SUITE 400	3IA 30339 850-0950
e	Screer	n Size inches (Sq. opening)	Common	Filter Stone				ww.tetra) SE, S	5EORG) : (770)
	Max. 12	Avg. 9	Min. 5	Uses Creek Banks	ASTM D-448 6 or 57			5	~	ROAD	NTA, G 19 FAX:
	24	12	7	Pipe Outlets Lakes & Shorelines, Rivers	3, 4 or 5			TETRA TECH		ERS FERRY	ATLANTA, GEORGIA 30339 TEL: (770) 850-0949 FAX: (770) 850-0950
<u>– 846</u>	SF		Sd1-S SEDIM Ds1 Ds1 Ds2 Ds2 Ds3 Su Su Su Su Su Su Su Su Su Su	TRUCTION EXIT IENT BARRIER OIL STABILIZATIO OIL STABILIZATIO OIL STABILIZATIO ACE ROUGHENING STABILIZATION R ZONE (25' UND HICK TYPE 3 RIPR PROTECTION FEN	ON (TEMP. SEED ON (PERM. VEGE DISTURBED) RAP APRON ICE	ING) TATION)		GSWC DERT. #	C LEVE)
		2.	CONTRACTO	WITHIN LIMITS DR TO PROTECT R DAMAGED BY	OR REPLACE		KK DATE	BROCKTON COURT CULVERT 0 09/16/20 ISSUED FOR CONSTRUCTION	ROSION, SEDIMENTATION	ND POLL	PLAN
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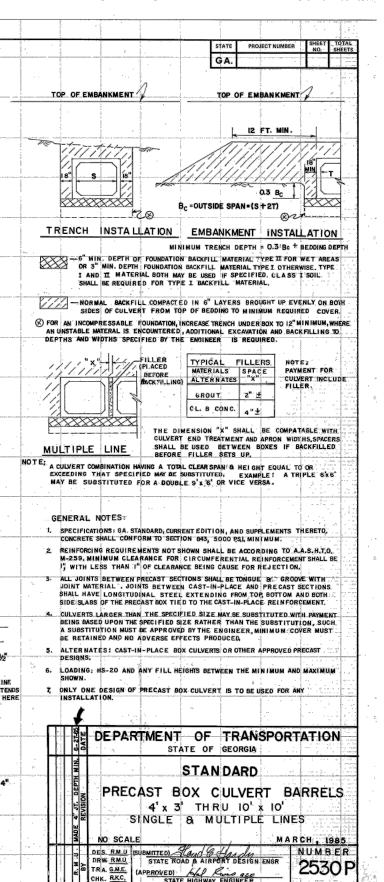
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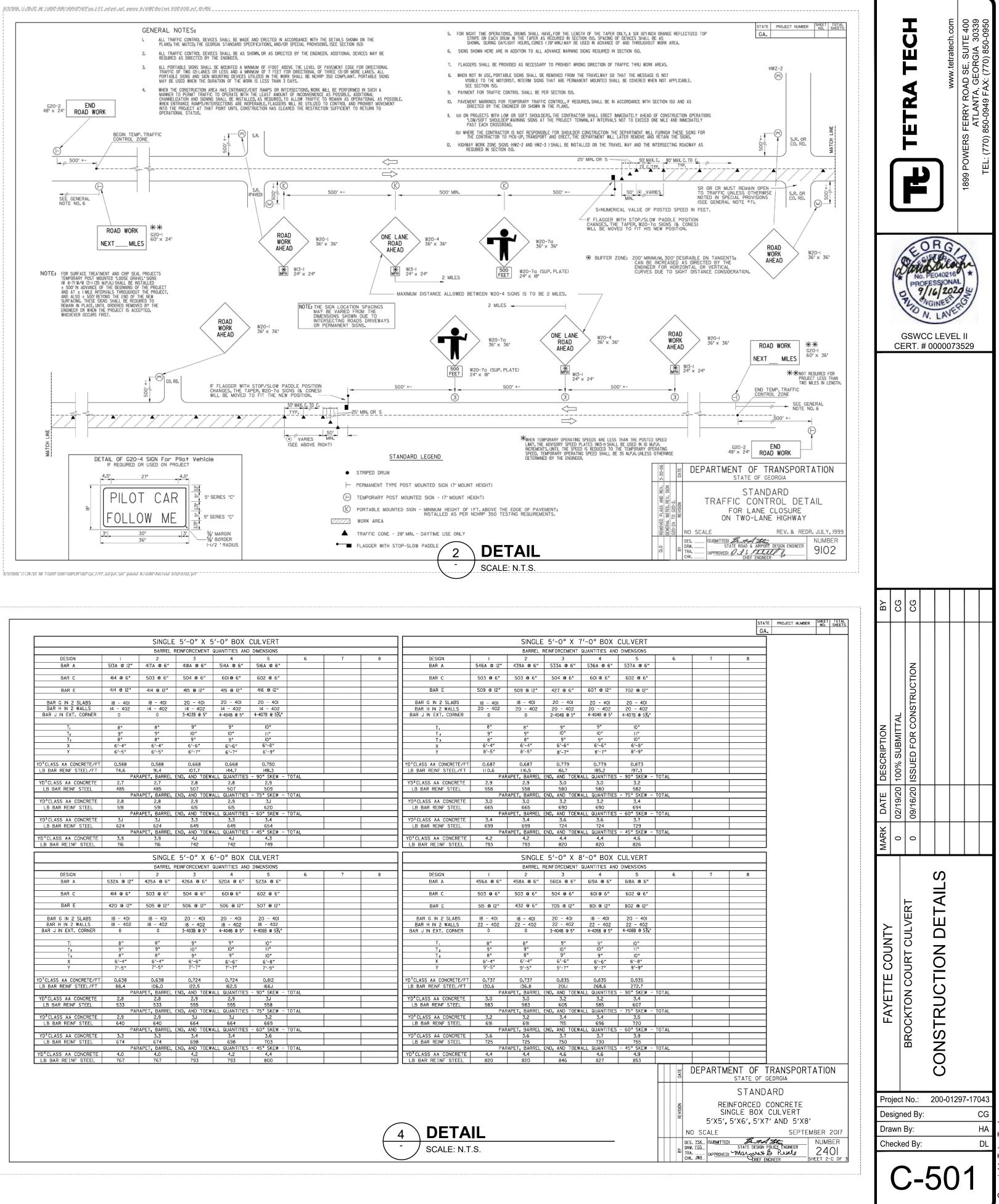
10' 20'

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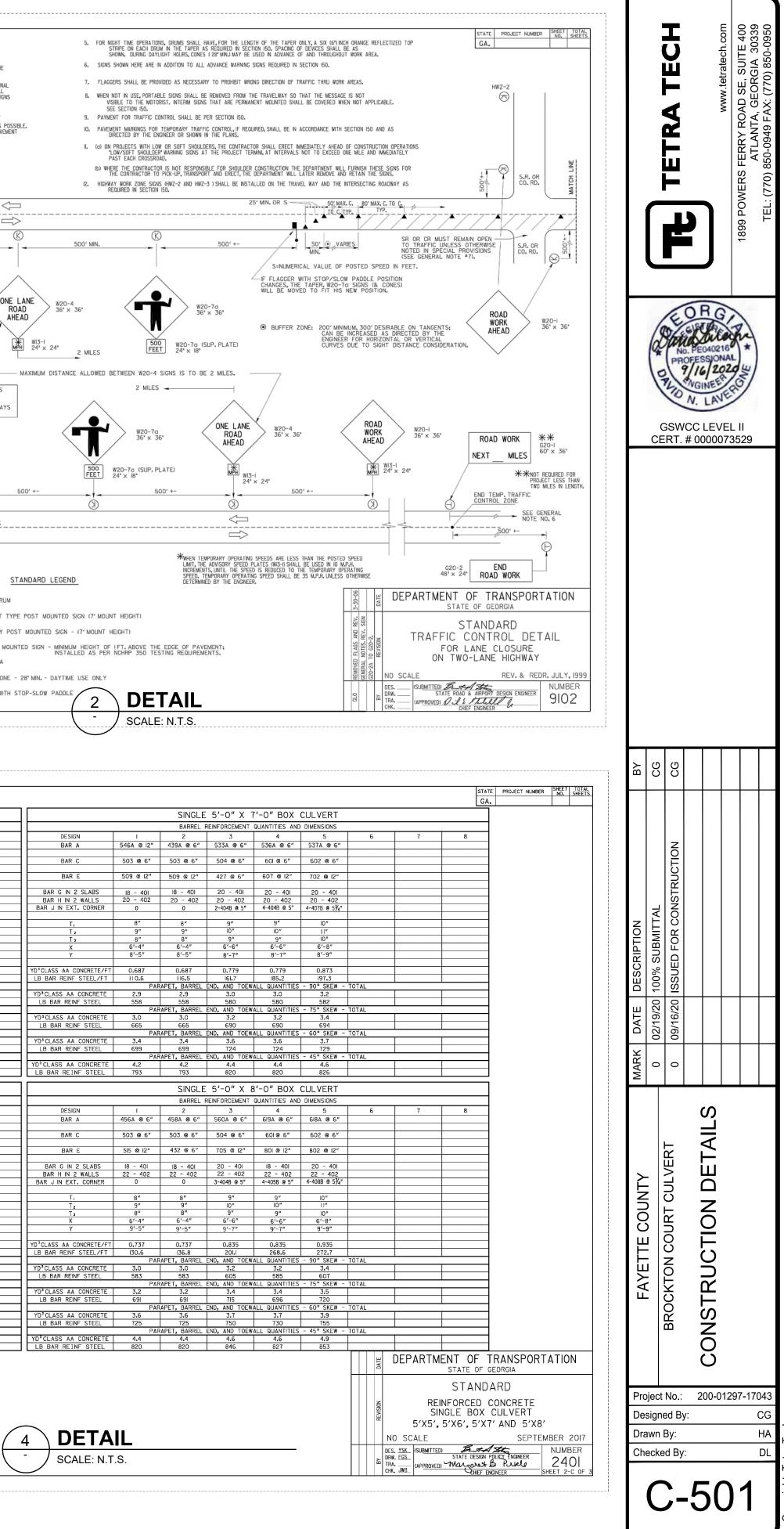
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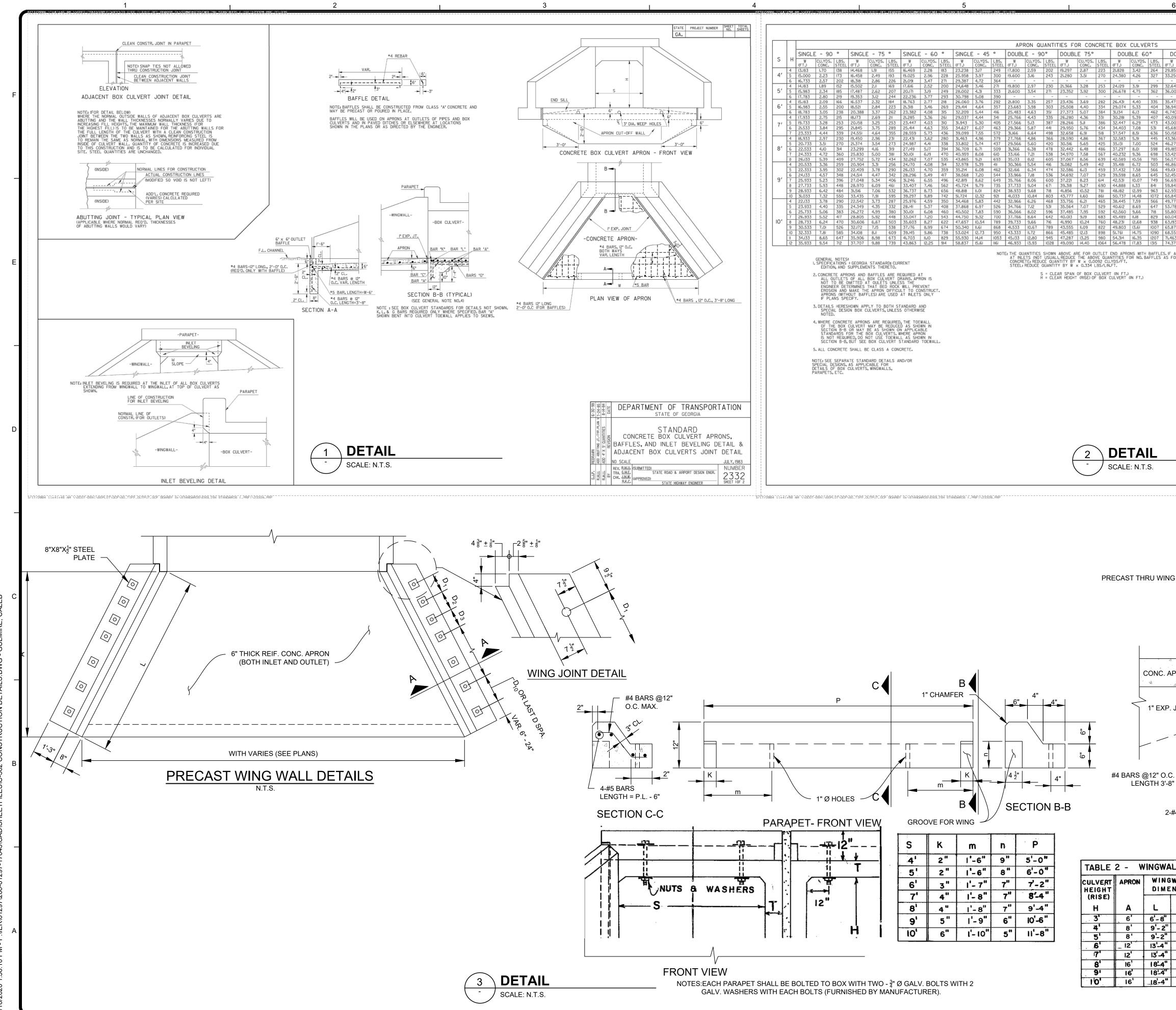




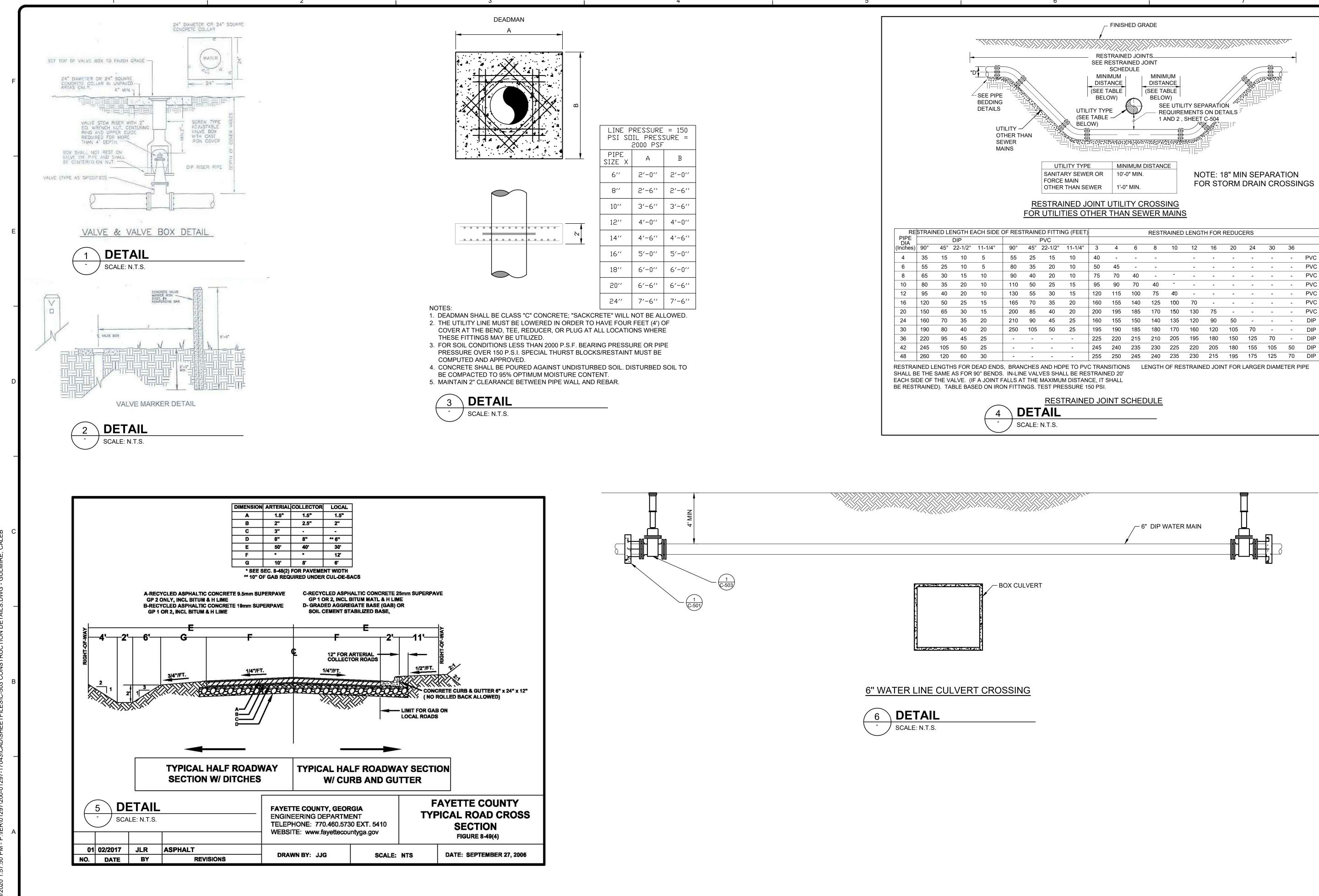


							5'-0" X 5			
					DIMENSIONS	QUANTITIES AND	REINFORCEMENT	BARREL I		
1	DESIGN	8	7	6	5	4	3	2	I	DESIGN
546A	BAR A				516A @ 6"	5I4A @ 6"	418A @ 6"	4I7A @ 6"	513A @ 12"	BAR A
503 0	BAR C				602 @ 6"	601@ 6"	504 @ 6"	503 @ 6"	414 @ 6"	BAR C
503 0	BAR C				602 @ 6	601666	504 9 6	503 @ 6	414 @ 6	DAK C
509 (BAR E				416 @ 12"	415 @ I2"	415 @ I2"	414 @ 12"	414 @ 12"	BAR E
i 18 -	BAR G IN 2 SLABS				20 - 401	20 - 401	20 - 401	18 - 401	18 - 401	BAR G IN 2 SLABS
20 -	BAR H IN 2 WALLS				14 - 402	14 - 402	4 - 402	14 - 402	14 - 402	BAR H IN 2 WALLS
ER O	BAR J IN EXT. CORNER				4-407B @ 5¾"	4-404B @ 5"	3-403B @ 5"	0	0	BAR J IN EXT. CORNER
8	Т,				10"	9"	9″	8"	8"	T,
9	T ₂				Π"	10"	10"	9"	9"	T ₂
8	Т з				10"	9"	9″	8"	8"	T3
6'-	<u>x</u>				6'-8"	6'-6"	6'-6"	6'-4"	6'-4"	<u>X</u>
8'-	Y				6'-9"	6'-7"	6'-7"	6'-5"	6'-5"	Y
E/FT 0.6	YD'CLASS AA CONCRETE/FT				0.750	0.668	0.668	0.588	0.588	D'CLASS AA CONCRETE/FT
/FT 0	LB BAR REINF STEEL/FT				48.3	44.7	107.7	91.4	74.6	LB BAR REINF STEEL/FT
		1		TOTAL			END, AND TOEW			
	YD ³ CLASS AA CONCRETE LB BAR REINF STEEL				2.9 509	2.8	2.8 507	2.7 485	2.7 485	YD ³ CLASS AA CONCRETE LB BAR REINF STEEL
00	ED DAIT HEIM STEEL	1		TOTAL			END, AND TOEW			ED DAN MEIM DIELE
ETE 3.	YD3CLASS AA CONCRETE				3.1	2.9	2.9	2.8	2.8	YD ³ CLASS AA CONCRETE
L 66	LB BAR REINF STEEL				620	615	615	591	591	LB BAR REINF STEEL
		1		TOTAL			END, AND TOEW			
	YD ³ CLASS AA CONCRETE LB BAR REINF STEEL				3.4 654	3.3 649	3.3 649	3.I 624	3.I 624	YD ³ CLASS AA CONCRETE LB BAR REINF STEEL
03	EB BAR REIN STELL			TOTAL	100.00	10. 0. 10	END, AND TOEW			ED DAR REINI STEEL
ETE 4.	YD ³ CLASS AA CONCRETE				4.3	4_1	4_1	3.9	3.9	D'CLASS AA CONCRETE
EL 79	LB BAR REINF STEEL				749	742	742	716	716	LB BAR REINF STEEL
						-0" BOX	5'-0" X 6	SINGL F		
							. J U A C	JINULL		
					DIMENSIONS	QUANTITIES AND	REINFORCEMENT	BARREL		
	DESIGN	8	7	6					1	DESIGN
456A	DESIGN BAR A	8	7	6	5	4	3	2	1 532A @ 12"	DESIGN BAR A
456A	DESIGN BAR A	8	7	6					 532A @ 2"	DESIGN BAR A
		8	7	6	5	4	3	2	,	
456A 503	BAR A BAR C	8	7	6	5 523A @ 6" 602 @ 6"	4 520A @ 6" 60I@ 6"	3 426A @ 6" 504 @ 6"	2 425A @ 6" 503 @ 6"	532A @ 2" 4 4 @ 6"	BAR A BAR C
456A	BAR A	8	7	6	5 523A @ 6"	4 520A @ 6"	3 426A @ 6"	2 425A @ 6"	532A @ I2"	BAR A
456A 503 (515 @	BAR A BAR C	8	7	6	5 523A @ 6" 602 @ 6"	4 520A @ 6" 60I@ 6"	3 426A @ 6" 504 @ 6"	2 425A @ 6" 503 @ 6"	532A @ 2" 4 4 @ 6"	BAR A BAR C
456A 503 (515 (51))))))))))))))))))))))))))))))))))))	BAR A BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS	8	7	6	5 523A @ 6" 602 @ 6" 507 @ 12" 20 - 401 18 - 402	4 520A @ 6" 60I @ 6" 506 @ I2" 20 - 40I 18 - 402	3 426A @ 6" 504 @ 6" 506 @ 12" 20 - 401 18 - 402	2 425A @ 6" 503 @ 6" 505 @ 12" 18 - 401 18 - 402	532A @ 2" 4 4 @ 6" 420 @ 2" 8 - 40 8 - 402	BAR A BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS
456A 503 (515 (51))))))))))))))))))))))))))))))))))))	BAR A BAR C BAR E BAR G IN 2 SLABS	8	7	6	5 523A @ 6" 602 @ 6" 507 @ I2" 20 - 40I	4 520A @ 6" 60I @ 6" 506 @ I2" 20 - 40I	3 426A @ 6" 504 @ 6" 506 @ 12" 20 - 401	2 425A @ 6" 503 @ 6" 505 @ 12" 18 - 401	532A @ 2" 4 4 @ 6" 420 @ 2" 8 - 40	BAR A BAR C BAR E BAR G IN 2 SLABS
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456A 503 (515 @ 515 @ 516 @ 5	BAR A BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER	8	7	6	5 523A @ 6" 602 @ 6" 507 @ 12" 20 - 401 18 - 402 4-4068 @ 5¾"	4 520A @ 6" 60I @ 6" 506 @ 12" 20 - 40I 18 - 402 4-404B @ 5"	3 426A @ 6" 504 @ 6" 506 @ 12" 20 - 401 18 - 402 3-403B @ 5"	2 425A @ 6" 503 @ 6" 505 @ 12" 18 - 401 18 - 402 0	532A @ 12" 414 @ 6" 420 @ 12" 18 - 401 18 - 402 0	BAR A BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS
456A 503 0 515 6 5 18 - 5 22 - ER 0 8 8 9 9 8	BAR A BAR C BAR C BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T, T, T, T,	8	7	6	5 523A @ 6" 602 @ 6" 507 @ 12" 20 - 401 18 - 402 4-406B @ 5¾" 10" 11" 10"	4 520A @ 6" 60I @ 6" 506 @ I2" 20 - 40I I8 - 402 4-404B @ 5" 9"	3 426A @ 6" 504 @ 6" 506 @ 12" 20 - 401 18 - 402 3-403B @ 5" 9" 10" 9"	2 425A @ 6" 503 @ 6" 505 @ 12" 18 - 401 18 - 402 0 8" 9" 8"	532A @ 12" 414 @ 6" 420 @ 12" 18 - 401 18 - 402 0 8" 9" 8"	BAR A BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T, T, T, T, T,
456A 503 0 515 6 5 22 - ER 0 8 9 9 8 8 6 -	BAR A BAR C BAR C BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T, T, T, T, X	8	7	6	5 523A @ 6" 602 @ 6" 507 @ 12" 20 - 401 18 - 402 4-4068 @ 5¾" 10" 11" 10" 6'-8"	4 520A @ 6" 60I @ 6" 506 @ I2" 20 - 40I 18 - 402 4-404B @ 5" 9" 10" 9" 6'-6"	3 426A @ 6" 504 @ 6" 506 @ 12" 20 - 401 18 - 402 3-403B @ 5" 9" 6'-6"	2 425A @ 6" 503 @ 6" 505 @ 12" 18 - 401 18 - 402 0 0 8" 9" 8" 6'-4"	532A @ 12" 414 @ 6" 420 @ 12" 18 - 401 18 - 402 0 0 8" 9" 8" 6'-4"	BAR A BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T ₁ T ₂ T ₃ X
456A 503 0 515 6 5 18 - 5 22 - ER 0 8 8 9 9 8	BAR A BAR C BAR C BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T, T, T, T,	8	7	6 	5 523A @ 6" 602 @ 6" 507 @ 12" 20 - 401 18 - 402 4-406B @ 5¾" 10" 11" 10"	4 520A @ 6" 60I @ 6" 506 @ I2" 20 - 40I I8 - 402 4-404B @ 5" 9"	3 426A @ 6" 504 @ 6" 506 @ 12" 20 - 401 18 - 402 3-403B @ 5" 9" 10" 9"	2 425A @ 6" 503 @ 6" 505 @ 12" 18 - 401 18 - 402 0 8" 9" 8"	532A @ 12" 414 @ 6" 420 @ 12" 18 - 401 18 - 402 0 8" 9" 8"	BAR A BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T, T, T, T, T,
456A 503 (515 (5) 22 - ER 0 8 9 8 8 6'- 9'-	BAR A BAR C BAR C BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T, T, T, T, X	8	7	6	5 523A @ 6" 602 @ 6" 507 @ 12" 20 - 401 18 - 402 4-406B @ 5¾" 11" 10" 6'-8" 7'-9"	4 520A @ 6" 60I @ 6" 506 @ I2" 20 - 40I I8 - 402 4-404B @ 5" 9" I0" 9" 6'-6" 7'-7"	3 426A @ 6" 504 @ 6" 506 @ 12" 20 - 401 18 - 402 3-403B @ 5" 9" 6'-6"	2 425A @ 6" 503 @ 6" 505 @ 12" 18 - 401 18 - 402 0 0 8" 9" 8" 6'-4"	532A @ 12" 414 @ 6" 420 @ 12" 18 - 401 18 - 402 0 8" 9" 8" 6'-4" 7'-5"	BAR A BAR C BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T, T, T, T, T, T, T, X, Y
456A 503 0 515 6 515 6 5	BAR A BAR C BAR C BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T ₁ T ₂ T ₃ X Y	8	7		5 523A @ 6" 602 @ 6" 507 @ 12" 20 - 401 18 - 402 4-406B @ 5¾" 10" 11" 10" 10" 6'-8" 7'-9" 0.812 166.1	4 520A @ 6" 60I @ 6" 506 @ I2" 20 - 40I I8 - 402 4-404B @ 5" 9" 10" 9" 6'-6" 7'-7" 0,724 I62.5	3 426A @ 6" 504 @ 6" 506 @ 12" 20 - 401 18 - 402 3-403B @ 5" 9" 10" 9" 6'-6" 7'-7" 0.724 122.5	2 425A @ 6" 503 @ 6" 505 @ 12" 18 - 401 18 - 402 0 8" 9" 8" 6'-4" 7'-5" 0,638 106.0	532A @ 12" 4I4 @ 6" 420 @ 12" I8 - 401 I8 - 402 0 0 8" 8" 6'-4" 7'-5" 0.638 88.4	BAR A BAR C BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T ₁ T ₂ T ₃ X Y Y
456A 503 0 515 @ S 18 - ER 0 8 8 9 8 8 6' 9'- E/FT 0.7 7/FT 130	BAR A BAR C BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T. T. T. T. YD ³ CLASS AA CONCRETE/FT LB BAR REINF STEEL/FT	8	7		5 523A @ 6" 602 @ 6" 507 @ 12" 20 - 401 18 - 402 4-406B @ 5¾" 10" 11" 10" 6'-8" 7'-9" 0.812 166.1 - 90° SKEW -	4 520A @ 6" 60I @ 6" 506 @ I2" 20 - 40I I8 - 402 4-404B @ 5" 9" 10" 9" 6'-6" 7'-7" 0.724 I62.5 ALL QUANTITIES	3 426A @ 6" 504 @ 6" 20 - 401 18 - 402 3-403B @ 5" 9" 10" 9" 6'-6" 7'-7" 0.724 122.5 END, AND TOEW.	2 425A @ 6" 503 @ 6" 505 @ 12" 18 - 401 18 - 402 0 8" 9" 8" 6'-4" 7'-5" 0.638 106.0 APET, BARREL	532A @ 12" 414 @ 6" 420 @ 12" 18 - 401 18 - 402 0 8" 9" 8" 6'-4" 7'-5" 0.638 88.4 PAF	BAR A BAR C BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T1. T2 T3 X Y (D ³ CLASS AA CONCRETE/FT LB BAR REINF STEEL/FT
456A 503 (515 (515 (516 (5	BAR A BAR C BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T ₁ T ₂ T ₃ X Y YD ³ CLASS AA CONCRETE/FT LB BAR REINF STEEL/FT YD ³ CLASS AA CONCRETE	8	7		5 523A @ 6" 602 @ 6" 507 @ 12" 20 - 401 18 - 402 4-406B @ 5¾" 10" 11" 10" 6'-8" 7'-9" 0.812 166.1 - 90° SKEW - 3.1	4 520A @ 6" 60I @ 6" 506 @ 12" 20 - 40I 18 - 402 4-404B @ 5" 9" 10" 9" 6'-6" 7'-7" 0.724 162.5 ALL QUANTITES 2.9	3 426A @ 6" 504 @ 6" 20 - 40I 18 - 402 3-403B @ 5" 9" 10" 9" 6'-6" 7'-7" 0.724 122.5 END, AND TOEW. 2.9	2 425A @ 6" 503 @ 6" 505 @ 12" 18 - 401 18 - 402 0 8" 9" 8" 6'-4" 7'-5" 0.638 106.0 APET, BARREL 2.8	532A @ 12" 414 @ 6" 420 @ 12" 18 - 401 18 - 402 0 8" 9" 8" 6'-4" 7'-5" 0.638 88.4 PAF 2.8	BAR A BAR C BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T, T, T, T, T, T, T, T, T, T, T, T, T,
456A 503 (515 (515 (516 (5	BAR A BAR C BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T. T. T. T. YD ³ CLASS AA CONCRETE/FT LB BAR REINF STEEL/FT	8	7	TOTAL	5 523A @ 6" 602 @ 6" 507 @ 12" 20 - 401 18 - 402 4-406B @ 5¾" 10" 10" 6'-8" 7'-9" 0.812 166.1 - 90° SKEW - 3,1 558	4 520A @ 6" 60I @ 6" 506 @ I2" 20 - 40I I8 - 402 4-404B @ 5" 9" 10" 9" 6'-6" 7'-7" 0.724 I62.5 ALL QUANTITIES 2.9 555	3 426A @ 6" 504 @ 6" 200 - 401 18 - 402 3-403B @ 5" 9" 10" 9" 6'-6" 7'-7" 0.724 122.5 END, AND TOEW. 2.9 555	2 425A @ 6" 503 @ 6" 505 @ 12" 18 - 401 18 - 402 0 8" 9" 8" 6'-4" 7'-5" 0.638 106.0 APET, BAREL 2.8 533	532A @ 12" 414 @ 6" 420 @ 12" 18 - 401 18 - 402 0 8" 9" 8" 6'-4" 7'-5" 0.638 88.4 PAF 2.8 533	BAR A BAR C BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T ₁ T ₂ T ₃ X Y (D ³ CLASS AA CONCRETE/FT LB BAR REINF STEEL/FT
456A 503 0 515 6 5 18 - 5 22 - ER 0 8 8 8 8 8 8 8 6'- 9' 9'- 2 (FT 130 2 EZ/FT 0.7 (FT 130 2 ETE 3. L 58	BAR A BAR C BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T ₁ T ₂ T ₃ X Y YD ³ CLASS AA CONCRETE/FT LB BAR REINF STEEL/FT YD ³ CLASS AA CONCRETE	8	7	TOTAL	5 523A @ 6" 602 @ 6" 507 @ 12" 20 - 401 18 - 402 4-406B @ 5¾" 10" 10" 6'-8" 7'-9" 0.812 166.1 - 90° SKEW - 3,1 558	4 520A @ 6" 60I @ 6" 506 @ I2" 20 - 40I I8 - 402 4-404B @ 5" 9" 10" 9" 6'-6" 7'-7" 0.724 I62.5 ALL QUANTITIES 2.9 555	3 426A @ 6" 504 @ 6" 20 - 40I 18 - 402 3-403B @ 5" 9" 10" 9" 6'-6" 7'-7" 0.724 122.5 END, AND TOEW. 2.9	2 425A @ 6" 503 @ 6" 505 @ 12" 18 - 401 18 - 402 0 8" 9" 8" 6'-4" 7'-5" 0.638 106.0 APET, BAREL 2.8 533	532A @ 12" 414 @ 6" 420 @ 12" 18 - 401 18 - 402 0 8" 9" 8" 6'-4" 7'-5" 0.638 88.4 PAF 2.8 533	BAR A BAR C BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T, Ts Ts X Y 'D ³ CLASS AA CONCRETE/FT LB BAR REINF STEEL/FT YD ³ CLASS AA CONCRETE
456A 503 0 515 6 5 18 - 5 22 - ER 0 8 9 8 8 9 9 2 2 7 5 22 - 5 22 - 5 22 - 5 22 - 5 22 - 5 22 - 7 5 5 22 - 7 7 5 5 6 22 - 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	BAR A BAR C BAR C BAR C BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T, T, T, T, YD ³ CLASS AA CONCRETE/FT UD ³ CLASS AA CONCRETE/FT YD ³ CLASS AA CONCRETE LB BAR REINF STEEL	8	7	TOTAL	5 523A @ 6" 602 @ 6" 507 @ 12" 20 - 401 18 - 402 4-406B @ 5¾" 10" 11" 10" 6'-8" 7'-9" 0.812 166.1 - 90° SKEW - 90° SKEW - 3.1 558 - 75° SKEW - 3.2 669	4 520A @ 6" 60I @ 6" 506 @ 12" 20 - 40I 18 - 402 4-404B @ 5" 9" 10" 9" 6'-6" 7'-7" 0.724 162.5 ALL QUANTITIES 2.9 555 3.1 664	3 426A @ 6" 504 @ 6" 20 - 40I 18 - 402 3-403B @ 5" 9" 10" 9" 6'-6" 7'-7" 0.724 122.5 END, AND TOEW 2.9 555 END, AND TOEW 3.1 664	2 425A @ 6" 503 @ 6" 505 @ 12" 18 - 401 18 - 402 0 8" 9" 8" 6'-4" 7'-5" 0.638 106.0 APET, BARREL 2.8 533 APET, BARREL 2.9 640	532A @ 12" 414 @ 6" 420 @ 12" 18 - 401 18 - 402 0 8" 9" 8" 6'-4" 7'-5" 0.638 88.4 PAF 2.8 533 PAF 2.9 640	BAR A BAR C BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T ₁ T ₂ T ₃ X Y (D ³ CLASS AA CONCRETE/FT LB BAR REINF STEEL/FT LB BAR REINF STEEL
456A 503 0 515 6 515 6 5	BAR A BAR C BAR C BAR C BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T, T, T, T, YD ³ CLASS AA CONCRETE/FT LB BAR REINF STEEL/FT YD ³ CLASS AA CONCRETE LB BAR REINF STEEL YD ³ CLASS AA CONCRETE LB BAR REINF STEEL	8	7	TOTAL	5 523A @ 6" 602 @ 6" 507 @ 12" 20 - 401 18 - 402 4-406B @ 5¾" 10" 10" 10" 6'-8" 7'-9" 0.812 166.1 - 90° SKEW - 3.1 558 - 75° SKEW - 3.2 669 - 60° SKEW -	4 520A @ 6" 60I @ 6" 506 @ I2" 20 - 40I I8 - 402 4-404B @ 5" 9" 10" 9" 6'-6" 7'-7" 0.724 I62.5 ALL QUANTITIES 2.9 555 ALL QUANTITIES 3.1 664 ALL QUANTITIES	3 426A @ 6" 504 @ 6" 200 - 401 18 - 402 3-403B @ 5" 9" 10" 9" 6'-6" 7'-7" 0.724 122.5 END, AND TOEW. 2.9 555 END, AND TOEW. 3.1 664 END, AND TOEW.	2 425A @ 6" 503 @ 6" 505 @ 12" 18 - 401 18 - 402 0 8" 9" 8" 6'-4" 7'-5" 0.638 106.0 APET, BARREL 2.9 640 APET, BARREL	532A @ 12" 414 @ 6" 420 @ 12" 18 - 401 18 - 402 0 8" 9" 8" 6'-4" 7'-5" 0.638 88.4 PAF 2.8 533 PAF 2.9 640 PAF	BAR A BAR C BAR C BAR C BAR C BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T ₁ T ₂ T ₃ X Y (D ³ CLASS AA CONCRETE/FT LB BAR REINF STEEL YD ³ CLASS AA CONCRETE LB BAR REINF STEEL
456A 503 0 515 @ S 18 - ER 0 8 9 8 8 6'- 9'- E/FT 0.7 7/FT 130 E/FT 0.7 7/FT 130 ETE 3. L 58 ETE 3. L 61 ETE 3.	BAR A BAR C BAR C BAR C BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T, T, T, T, YD ³ CLASS AA CONCRETE/FT LB BAR REINF STEEL/FT YD ³ CLASS AA CONCRETE LB BAR REINF STEEL YD ³ CLASS AA CONCRETE LB BAR REINF STEEL	8	7	TOTAL	5 523A @ 6" 602 @ 6" 507 @ 12" 20 - 401 18 - 402 4-406B @ 5¾" 10" 11" 10" 6'-8" 7'-9" 0.812 166.1 - 90° SKEW - 3.2 669 - 60° SKEW - 3.6	4 520A @ 6" 60I @ 6" 506 @ 12" 20 - 401 18 - 402 4-404B @ 5" 9" 10" 9" 6'-6" 7'-7" 0.724 162.5 ALL QUANTITES 3.1 664 ALL QUANTITES 3.4	3 426A @ 6" 504 @ 6" 20 - 401 18 - 402 3-403B @ 5" 9" 10" 9" 6'-6" 7'-7" 0.724 122.5 END, AND TOEW, 3.1 664 END, AND TOEW, 3.4	2 425A @ 6" 503 @ 6" 505 @ 12" 18 - 401 18 - 402 0 8" 9" 8" 6'-4" 7'-5" 0.638 106.0 APET, BARREL 2.9 640 APET, BARREL 3.3	532A @ 12" 414 @ 6" 420 @ 12" 18 - 401 18 - 402 0 8" 9" 8" 6'-4" 7'-5" 0.638 88.4 PAF 2.8 533 PAF 2.9 640 PAF 3.3	BAR A BAR C BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T ₁ T ₂ T ₃ X Y 'D ³ CLASS AA CONCRETE/FT LB BAR REINF STEEL/FT YD ³ CLASS AA CONCRETE LB BAR REINF STEEL YD ³ CLASS AA CONCRETE LB BAR REINF STEEL YD ³ CLASS AA CONCRETE
456A 503 0 515 @ S 18 - ER 0 8 8 9 8 8 6'- 9'- 9'- 2 7'FT 130 E/FT 0.7 7'FT 130 E/FT 0.7 7'FT 130 ETE 3. L 58 ETE 3. L 65	BAR A BAR C BAR C BAR C BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T, T, T, T, YD ³ CLASS AA CONCRETE/FT LB BAR REINF STEEL/FT YD ³ CLASS AA CONCRETE LB BAR REINF STEEL YD ³ CLASS AA CONCRETE LB BAR REINF STEEL	8	7	TOTAL TOTAL TOTAL	5 523A @ 6" 602 @ 6" 507 @ 12" 20 - 401 18 - 402 4-406B @ 5¾" 10" 11" 10" 6'-8" 7'-9" 0.812 166.1 - 90° SKEW - 3.1 558 - 75° SKEW - 3.2 669 - 60° SKEW - 3.6 703	4 520A @ 6" 60I @ 6" 506 @ I2" 20 - 40I I8 - 402 4-404B @ 5" 9" I0" 9" 6'-6" 7'-7" 0.724 I62.5 ALL QUANTITIES 3.1 664 ALL QUANTITIES 3.4 698	3 426A @ 6" 504 @ 6" 506 @ 12" 20 - 401 18 - 402 3-403B @ 5" 9" 10" 9" 6'-6" 7'-7" 0.724 122.5 END, AND TOEW. 3.1 664 END, AND TOEW. 3.4 698	2 425A @ 6" 503 @ 6" 505 @ 12" 18 - 401 18 - 402 0 8" 9" 8" 6'-4" 7'-5" 0.638 106.0 APET, BARREL 2.8 533 APET, BARREL 2.9 640 APET, BARREL 3.3 674	532A @ 12" 414 @ 6" 420 @ 12" 18 - 401 18 - 402 0 8" 9" 8" 6'-4" 7'-5" 0.638 88.4 PAF 2.8 533 PAF 2.9 640 PAF 3.3 674	BAR A BAR C BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T ₁ T ₂ T ₃ X Y 'D ³ CLASS AA CONCRETE/FT LB BAR REINF STEEL YD ³ CLASS AA CONCRETE LB BAR REINF STEEL
456A 503 (515 (503 (515 (516 (5	BAR A BAR C BAR C BAR C BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER T, T, T, T, YD ³ CLASS AA CONCRETE/FT LB BAR REINF STEEL/FT YD ³ CLASS AA CONCRETE LB BAR REINF STEEL YD ³ CLASS AA CONCRETE LB BAR REINF STEEL	8	7	TOTAL TOTAL TOTAL	5 523A @ 6" 602 @ 6" 507 @ 12" 20 - 401 18 - 402 4-406B @ 5¾" 10" 11" 10" 6'-8" 7'-9" 0.812 166.1 - 90° SKEW - 3.2 669 - 60° SKEW - 3.6	4 520A @ 6" 60I @ 6" 506 @ I2" 20 - 40I I8 - 402 4-404B @ 5" 9" I0" 9" 6'-6" 7'-7" 0.724 I62.5 ALL QUANTITIES 3.1 664 ALL QUANTITIES 3.4 698	3 426A @ 6" 504 @ 6" 506 @ 12" 20 - 401 18 - 402 3-403B @ 5" 9" 10" 9" 6'-6" 7'-7" 0.724 122.5 END, AND TOEW. 3.1 664 END, AND TOEW. 3.4 698	2 425A @ 6" 503 @ 6" 505 @ 12" 18 - 401 18 - 402 0 8" 9" 8" 6'-4" 7'-5" 0.638 106.0 APET, BARREL 2.9 640 APET, BARREL 3.3	532A @ 12" 414 @ 6" 420 @ 12" 18 - 401 18 - 402 0 8" 9" 8" 6'-4" 7'-5" 0.638 88.4 PAF 2.8 533 PAF 2.9 640 PAF 3.3 674	BAR A BAR C BAR C BAR E BAR G IN 2 SLABS BAR H IN 2 WALLS BAR J IN EXT. CORNER TI. T2 T3 X Y YD ³ CLASS AA CONCRETE/FT LB BAR REINF STEEL YD ³ CLASS AA CONCRETE LB BAR REINF STEEL YD ³ CLASS AA CONCRETE LB BAR REINF STEEL





6 <u>I</u>		
	STATE PROJECT NUMBER SHEET TOTAL NO. SHEETS	
W CU,YDS. LBS. LBS. W CU,YDS. LBS. CU,YDS.	GA. L GO TRIPLE 45° H S 10^{VOS} , LBS, V CU,VOS, LBS, V LBS, V 4' 4 5^{-} $ 6^{-}$ 4' 5^{-} $ 6^{-}$ 4' 5^{-} $ 6^{-}$ 6' 1.229 399 40.654 6.80 500 4 2.20 538 48.483 9.11 679 6' 1.7 60^{-} 5.277^{-} 6^{-} 7' 2.20 538 48.483 9.11 6792 5 1.76 65.754 11.89 881 6' 2.29 836 61.225^{-} 14.33 1045 7 1.21 610^{-} 5.4^{-7} 768 4 7' 2.29 2.56^{-} 5.97^{-} 755^{-} 8^{-} 7^{-} 1.21 610^{-} 7.7 8.28^{-} 72.62^{-} 8.29^{-}	BSMCC LEVEL I TEL: (770) 850-0950 TEL: (770) 850-0950
	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA STANDARD CONCRETE BOX CULVERT APRONS, BAFFLES, AND INLET BEVELING DETAIL & ADJACENT BOX CULVERTS JOINT DETAIL O SCALE JULY, 1983 STATE ROAD & AIRPORT DESIGN ENGR. NUMBER 2332 STATE HIGHWAY ENGINEER HEX. NUT (TIGHTEN AFTER MORTAR SETS UP	
APRON XP. JT. WOXL SERVICE XP. JT. WOXL SERVICE XP. JT. WOXL SERVICE 2:#4 CONT. 8" 	 8"X8"X¹/₂" STEEL PLATE FILL WITH EXP. MORTAR (GDOT SEC 506) OR WITH NON-SHRINKING MORTAR #6 BARS HOOKER BOTH ENDS AT 12" C.TO C. TOP AND BOTTOM OR BOLT HREAD + 4" 4" + 4" 4" + 4" 1 ¹/₈" HOLE *X8"X¹/₂" STEEL PLATE 	FAYETTE COUNTY MARK DATE DESCRIPTION BROCKTON COURT CULVERT 0 02/19/20 100% SUBMITTAL DROCKTON COURT CULVERT 0 09/16/20 ISSUED FOR CONSTRUCTION CONSTRUCTION DETAILS 0 09/16/20 ISSUED FOR CONSTRUCTION
WING WALL SECTION A N.T.S. WALL DIMENSIONS, ANCHOR SPACINGS, WIN NGWALL (±1") MAX, SPACINGS (INCHES) FOR WI	GWALL & APRON REINFORCING NGWALL TO APRON STEEL NGWALL TO APRON STEEL MING. SEE NOTE ★3 D7 D8 D9 D10 D7 D8 D9 D10 R1 R2 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.20 0.19 0.19 0.19 0.32 0.19 0.32 0.19 0.48 0.19 0.48 0.19	HIANDNUXYOONLONULYOONProject No.:200-01297-17043Designed By:CGDrawn By:HAChecked By:DLC-502

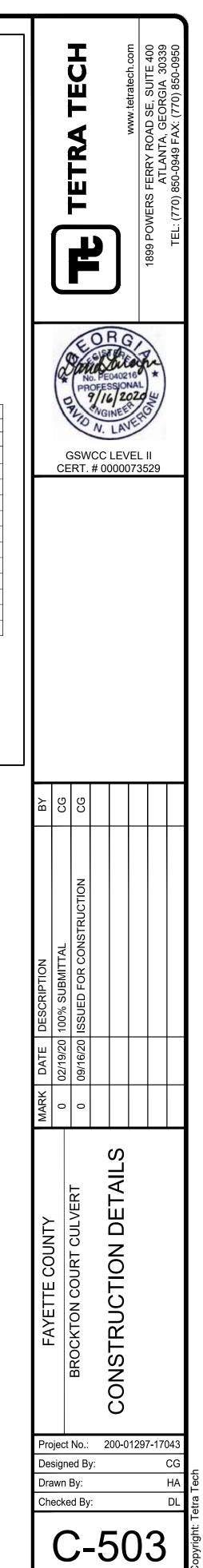


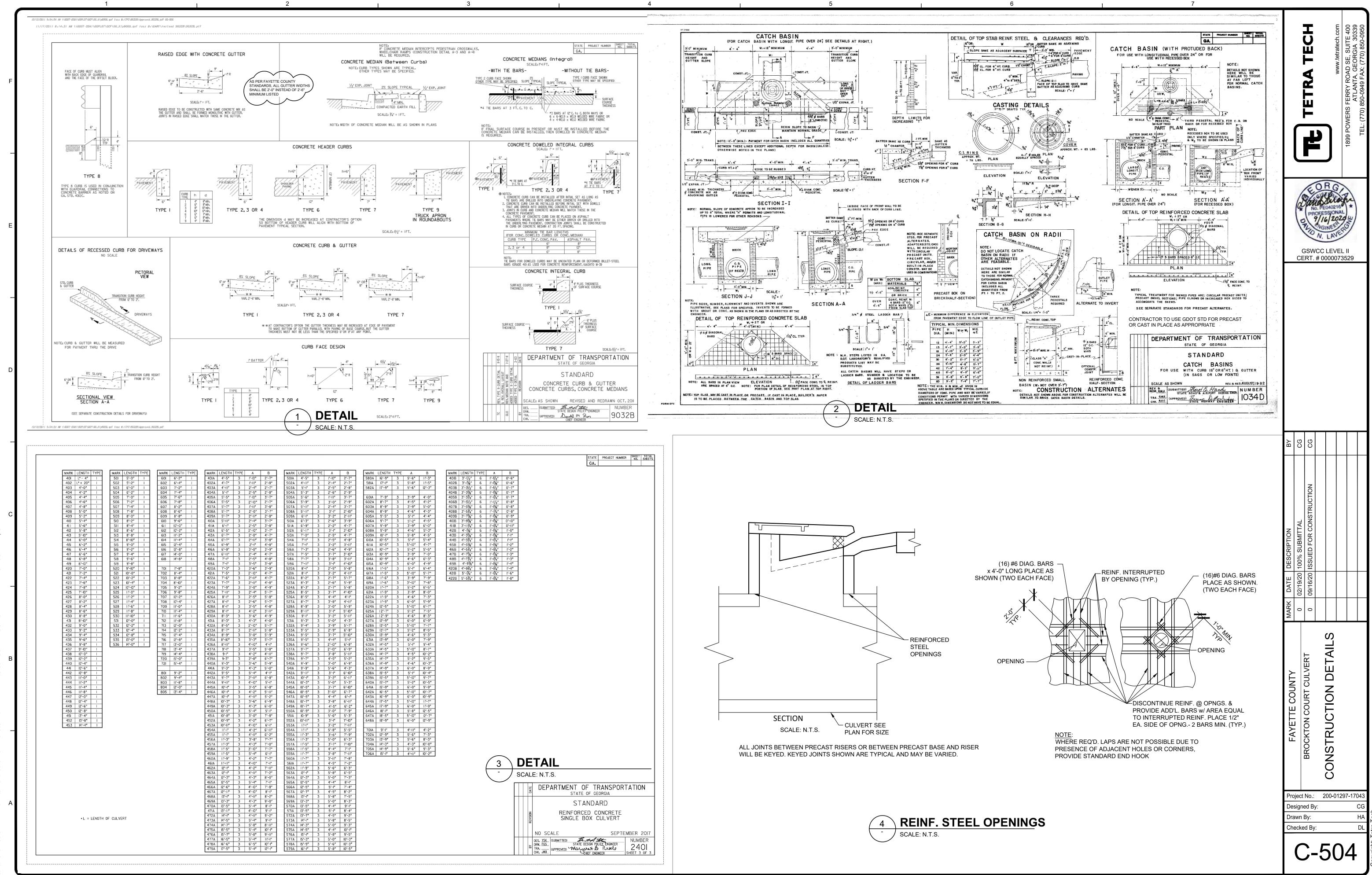
PSI SD	RESSURE IIL PRESS 2000 PSF	SURE =
PIPE SIZE X	А	В
6′′	2'-0''	2'-0''
8′′	2'-6''	2'-6''
10''	3'-6''	3'-6''
12"	4'-0''	4'-0''
14''	4'-6''	4'-6''
16''	5'-0''	5'-0''
18''	6'-0''	6'-0''
20''	6'-6''	6'-6''
24''	7'-6''	7'-6''



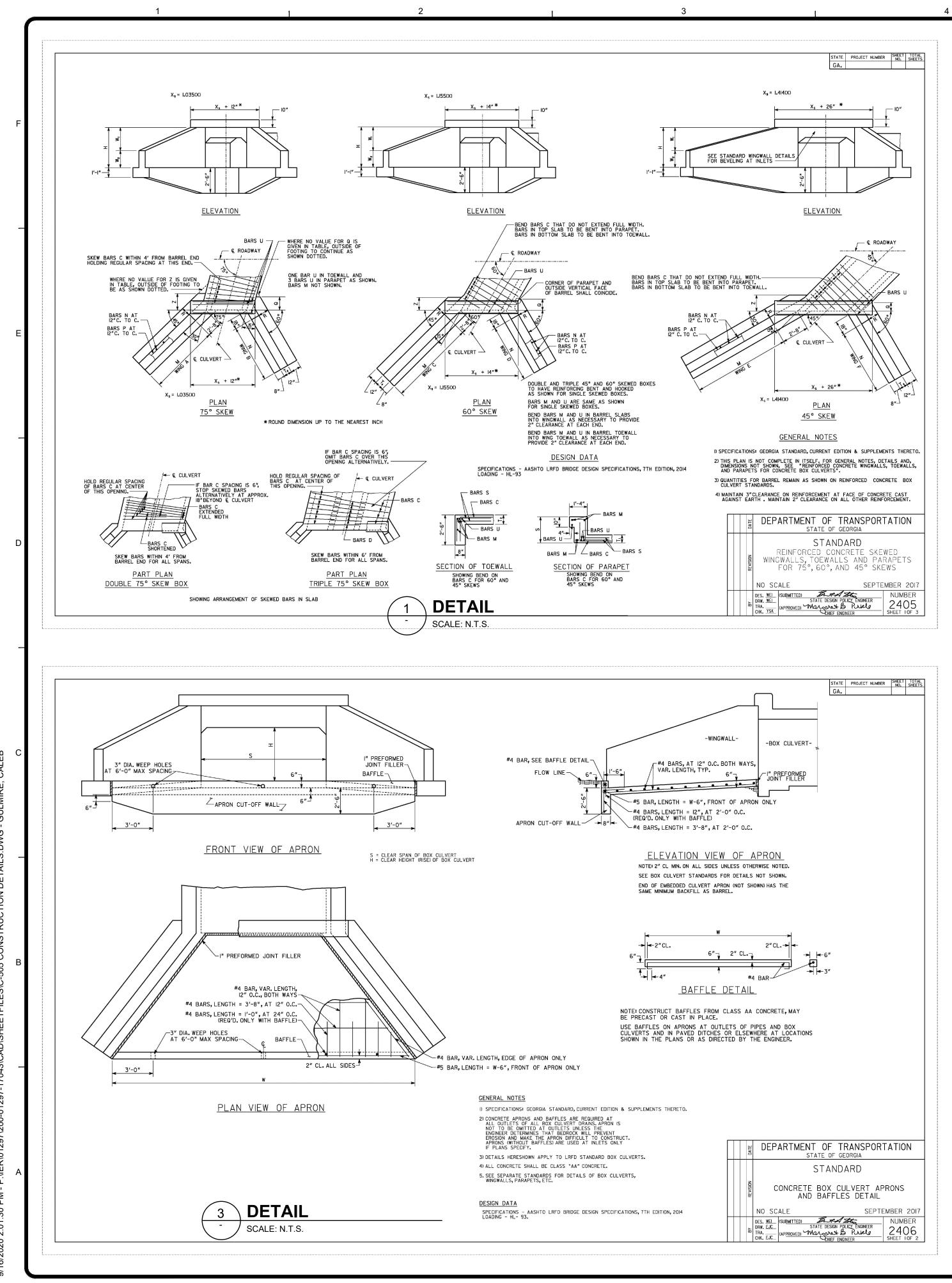
	NG (FEET)				REST	RAINED	LENGT	H FOR	REDUC	ERS			
2													
1/2°	11-1/4°	3	4	6	8	10	12	16	20	24	30	36	
15	10	40	-	-	-		-	-	-	-	-	-	PVC
20	10	50	45	-	-		-	-	-	-	-	-	PVC
20	10	75	70	40	-	-	-	-	-	-	-	-	PVC
25	15	95	90	70	40	-	-	-	-	-	-	-	PVC
30	15	120	115	100	75	40	-	-	-	-	-	-	PVC
35	20	160	155	140	125	100	70	-	-	-	-	-	PVC
40	20	200	195	185	170	150	130	75	-	-	-	-	PVC
45	25	160	155	150	140	135	120	90	50	-	-	-	DIP
50	25	195	190	185	180	170	160	120	105	70	-	-	DIP
-	-	225	220	215	210	205	195	180	150	125	70	-	DIP
-	-	245	240	235	230	225	220	205	180	155	105	50	DIP
		055	050	0.45	0.40	005	000	045	405	475	405	70	

- 6" DIP WATER MAIN	





Bar Measures 1 inch

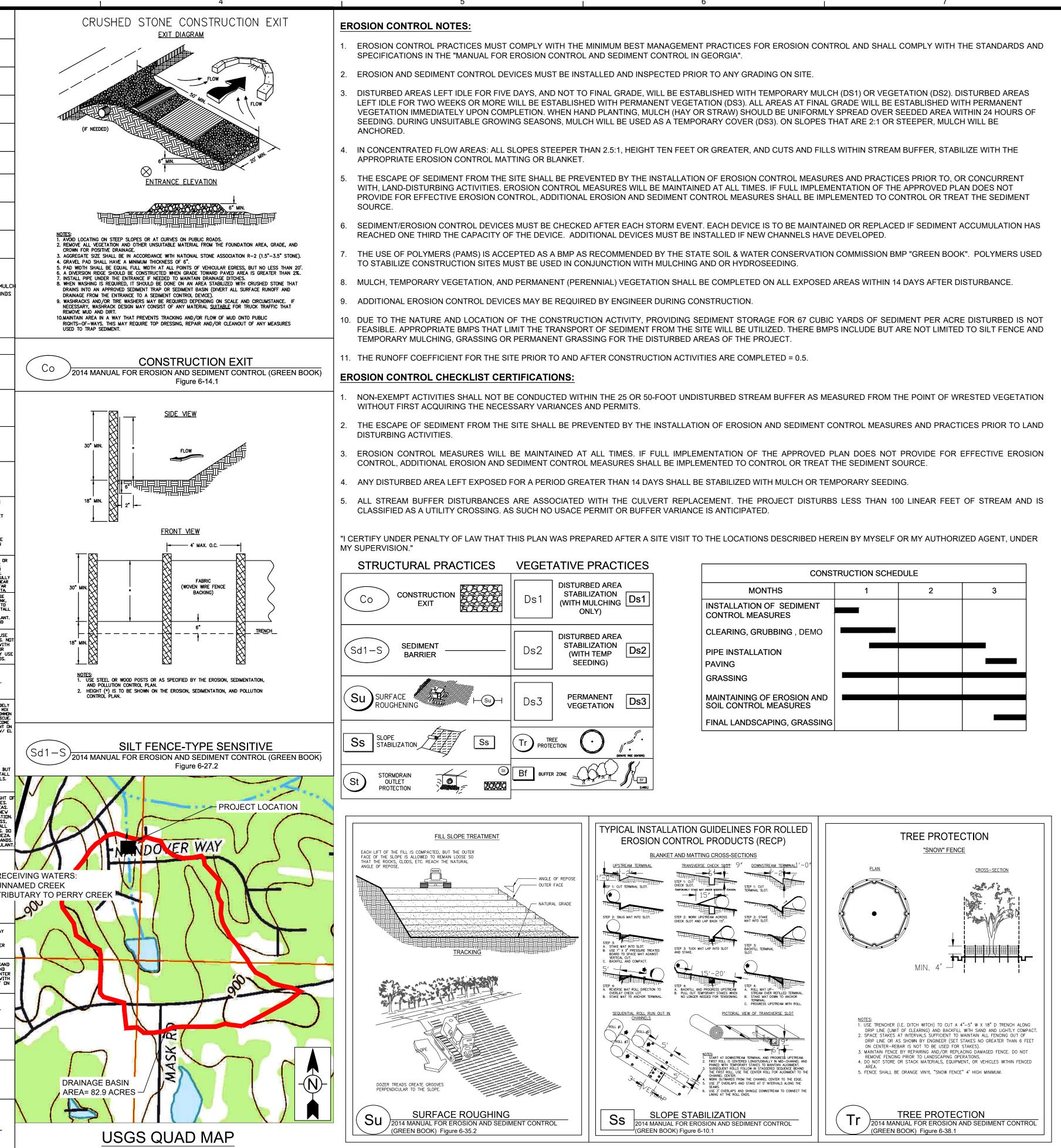


	Banda Caracteria Banda Caracteria
2 DETAIL 2 DETAIL 3 SCALE: N.T.S.	B C C C C C C C
S H APRON QLANTITIES FOR CONCELTE EDX CULVETS FIPLE 80° TIPLE 80°	E COUNTY MARK DATE DESCRIPTION 0 02/19/20 100% SUBMITTAL 0 09/16/20 ISSUED FOR CONSTRUCTION TION DETAILS 0 09/16/20 ION DETAILS 0 09/16/20 ION DETAILS 0 09/16/20
10 ¹ 17 21033 55 38 440 30.56 165 103 103 104 105 103 104 105 103 104 105 103 105 105 105 105 105 105<	ILIAN ONOLYOON Revisioned By: Designed By: Drawn By: CG Drawn By: CG

114	#7	6	15'-7	"	0 0	5'-11"	15'-7'	1	#4	14	34'-11"	18	0'-11"	32'-5"
12'	#8	6	16'-8	″ I2	0	7'-3″	16'-8'	1	#4	14	37'-6"	20	l'-l"	36'-0"
* LENGT ** LENGT						LEG AN	ND 180°	STANDA	RD HOOK					
			DI	MENSI	ONS	AND (QUANT	TITIES	FOR	45°	SKEW			
CLEAR HEIGHT	н	w,	W 2	s	м	N	Q	R	т.	z	CY CLA CONCF	SS AA RETE	LB BAR REINF STEEL	CLEAR HEIGHT
2'	3'-1"]'- "	2'-0"	'- "	4'-3"	2'-8"	-	l'-0"	10″	-	4.9	5	365	2'
3'	4'-31/2"	2'-31/2"	2'-0"	2'-1/2"	9'-2"	5'-3"	-	1'-0"	10"	-	8.	l I	669	3'
4'	5'-9"	3'-9"	2'-0"	2'-7"	14'-9"	8'-6"	-	1'-0"	10"	-	13.	3	1132	4'
5'	6'-9"	4'-5"	2'-4"	2'-7"	17'-4"	10'-2"	-	1'-0"	10"	-	16.	7	1432	5′
6'	7'-9"	5'-1"	2'-8"	2'-7"	20'-0"	11'-10"	-	1'-0"	10"	-	20.	4	1736	6'
7'	8'-9 ¹ /2"	5'-91/2"	3'-0"	2'-71/2"	23'-0"	13'-2"	1'-6"	2'-0"	10"	2'-6"	26.	6	2161	7'
8'	9'-101/2"	6'-61/2"	3'-4"	2'-81/2"	25'-8"	14'-9"	2'-0"	2'-6"	12"	3'-6"	36.	7	2926	8′
9'	10'-11"	7'-3"	3'-8"	2'-9"	28'-6"	16'-5"	2'-6"	3'-0"	12"	4'-0"	44.	2	3459	9'
10'	11'-11"	7'-11"	4'-0"	2'-9"	31'-2"	18'-0"	2'-6"	3'-6"	12"	4'-6"	51.	9	4729	10'
11'	12'-11"	8'-8"	4'-3"	2'-9"	34'-2"	19'-8"	3'-0"	4'-0"	12"	5'-0"	62.	5	5388	11'
12'	13'-111/2"	9'-51/2"	4'-6"	2'-91/2"	36'-9"	21'-4"	3'-0"	4'-6"	12"	5'-0"	70.	2	7102	12'

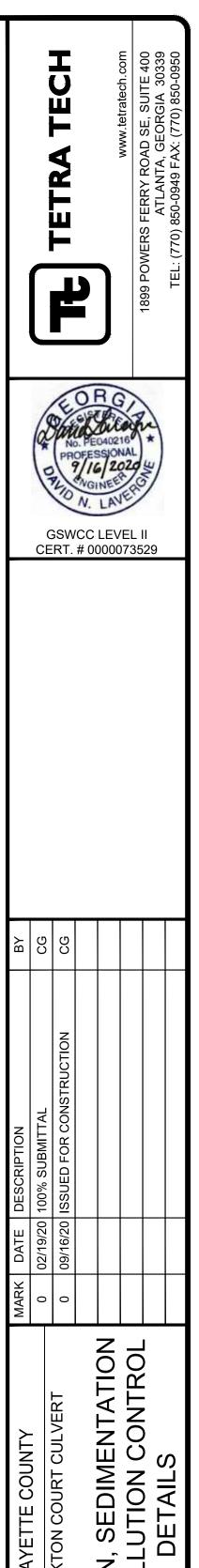


				1								2			1	_	3
			ER	OSIO	N CON	ITROI		TIVITIE	ES			TYPE OF SPECIES	S YEAR	ANALYSIS (EQUIVALEN N-P-K			N TOP DRESSING RATE
	3	CONSTRUCTION	(label)	Ds3	DISTURBED ARE STABILIZATION (PERMANENT SEEDING)	EA WITH Ds3] [Mb	MATTING A	ND	Mb		Cool season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.		50-100 lbs./ac. 1/ 2/ - 30
		SEDIMENT BARRIER DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	(indicate type)	Du	DUST CONTROL ON DISTURBED AREAS CHECK DAM	Du Du						Cool season grasses and legumes	First Second Malntenance	6-12-12 0-10-10 0-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.		0-50 lbs./ac. 1/ - -
F	Ds2	Disturbed Area Stabilization (with Temporary Seeding)	Ds2	Cd	storm drain Outlet protecti	on 🕅						Ground covers	First Second Maintenance	10-10-10 10-10-10 10-10-10	1300 lbs./ac. 3/ 1300 lbs./ac. 3/ 1100 lbs./ac.		
	THIS S	EMPORAR) STANDARD UBJECTEI	APPL	_IES ⁻	TO GRAD	IES OR	CLEA	RED AR	REAS	WHICH		Pine seedlings	First	20-10-5	one 21-gram pellet per seedling placed in the closing hole	d	-
	SEEDII PRODU	NGS MAY CE AN ER _IZED WI	LON NOISOS	ΓHA∨ N R	'E A SUÌ ETARDAN	ITABLE NT CO∨	GROV	√ING SE	EASON	N TO	Ξ	Shrub Lespedeza	First Maintenance	0-10-10 0-10-10	700 lbs./ac. 700 lbs./ac. 4/		-
	MA	TERIAL	S	MOLCI		INST						Temporary cover crops _ seeded alone	First	10-10-10	500 lbs./ac.		30 lbs./ac. 5/
	HAY	STRAW [D WASTE					IDING RAGE	2 TO 4 COMPLI 2 TO 3	ETE :	SOIL		Warm season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 800 lbs./ac. 400 lbs./ac.		50-100 lbs./ac. 2/ 6/ 50-100 lbs./ac. 2/ 30 lbs./ac.
	DR :	PS SAWD BARK)										Warm season grasses and legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.		50 lbs./ac. 6/
		SION CON TING OR TING	IRUL					ACCORDA RERS R				2/ Apply in split high rates are us	following seedi applications whe ed.	ng. n	<u>MULCHING RATES:</u> 1. DRY STRAW: 2 T 2. DRY HAY: 2-1/		PER ACRE.
E		BACK HALT (SLI ING)	۵W					INS PER PER SQI		-		4/ Apply when pl	it applications. ants are prunec s species only. ants grow to a Inches.	ι.	3. FOR HYDRAULIC S	SEEDIN	IG USE WOOD CELLULOSE MI AT THE RATE OF 500 POUN
		YETHYLEN	E			STOCH	<pilei< td=""><td>VER BA</td><td>MATE</td><td>ERIAL</td><td>FOR</td><td></td><td>FERTI</td><td>LIZER AND M</td><td></td><td></td><td></td></pilei<>	VER BA	MATE	ERIAL	FOR		FERTI	LIZER AND M			
			DI		RBED	AREA	STA					SPECIES BAHIA, PENSACOLA	BROADCAST RATES 1/ - PL PER ACRE PER 100	S2/ I ADEA 2F	E PLANTING DATES		REMARKS
	Dsí	2014 N	IANUAI		VITH M EROSION				/	REEN I	300K)	(Paspalum notatum) ALDNE DR W/ TEMPDRARY COVER WITH DTHER PERENNIALS	60 LBS. 1.4 L 30 LBS. 0.7 L			$\left + \right $	
-	PLANTS, F		ES, AND		NG DATES FO		RARY CO			IION CRC	PS 1/	BAHIA, WILMINGTON (Paspalum notatum)	60 LBS. 1.4 L	.BS. M-L	J F M A M J J A S D I		
	SPECIES BARLEY (Hordeum vulg	RATE PER ACR are) 3 bu.	S 27 - Pi <u>E PER</u> 3							REMAR		ALDNE DR V/ TEMPDRARY CDVER WITH DTHER PERENNIALS BERMUDA, COMMON (Cynodon dacttlon)	30 LBS. 0.7 L	.BS. P	J F M A M J J A S D I		
	ALONE IN MIXTURES LESPEDEZA, AN	(144 LB: 1/2 bu (24 LBS	۱. o	1.6 LBS.	С 	J F M A M	I J J A 1	S D N D		E ON PROI	DUCTIVE	HULLED SEED ALONE DR W/ OTHER PERENNIALS	10 LBS. 0.2 L 6 LBS. 0.1 L			N D	
D	(Lespedeza striata) ALDNE IN MIXTURES	40 LBS. 10 LBS.		1.9 LBS. 1.2 LBS.	₩-L P C 4 M-L	J F M A M		<u>s d n D</u>	VOLUNTE	SEED PER ER FOR SE SE INOCULA	POUND. MAY VERAL YEAR ANT EL.	BERMUDA, COMMON (Cynodon dactylon) UNHULLED SEED W/ TEMP COVER WITH DTHER PERENNIALS	10 LBS. 0.2 L 6 LBS. 0.1 L			N D	PLANT WITH WINTER ANNUALS. PLANT WITH TALL FESCUE.
	(Eragrotis cur ALONE IN MIXTURES MILLET, BROWN	vula) 4 LBS. 2 LBS.		0.1 LBS. 0.05 LBS.	P C 	J F M A M		S O N D	LAST FL	JR SEVERA	r pound. May L years. Mix Lespedeza		40 C.F. 0 DR SOD PLUGS :				A CUBIC FOOT CONTAINS APPRIXIMATELY 650 SPRIGS. A BUSHEL CONTAINS 1.25 CUBIC FEET OR APPROXIMATELY 800 SPRIGS. PLANT WITH WINTER
	(Panicum fascicu ALONE IN MIXTURES			1.9 LBS. 1.2 LBS.	P C			SOND	QUICK PI COMPET	ROVIDE TO	IVER. WILL D MUCH MIXTURES IF	TIFT 44 TIFT 78		с - с -	J F M A M J J A S D	N D	ANNALS PLANT WITH TALL RESCUE SOUTHERN COSTAL PLAIN ONLY
_	MILLET, PEAF (Panicum glauc ALONE		1.	.1 LBS.	M-L P C			S O N D	QUICK REACH	5 FEET IN	ER POUND. OVER. MAY HEIGHT. NOT R MIXTURES.	CENTIPEDE (Eremochioa ophiuroides)	BLOCK SOD DI	VLY C	J F M A M J J A S D I	N D	DRUUGHT TULERANT. FULL SUN PARTIAL SHADE. EFFECTIVE ADJACENT TÜ CÜNC. AND IN CUNCENTRATED FLÜV AREAS. IRRIGATION IS NEEDED UNTIL FU ESTABLISHED. DÜ NÜT PLANT NE PASTURES. VINTERHARDY AS FA NÜRTH AS ATHENS AND ATLANT
	DATS (Avena sativ ALDNE IN MIXTURES	(128 LBS) (128 LBS) (32 LBS)		2.9 LBS. 1.7 LBS.	M-L P C	J F M A M		S O N D	ON PRO	DUCTIVE S	POUND. USE DILS. NOT AS AS RYE OR Y.	CRUWNVETECH (Coronilla varia) WITH WINTER ANNUALS DR CODL SEASON GRASSES	15 LBS. 0.3 L	M-L .BS. P		N D	100,000 SEED PER POUND. DENS GRÜWTH. ATTRACTIVE RDSE, PIN AND WHITE BLOSSDMS SPRING T LATE FALL. MIX V/ 30 LBS. DF T FESCUE DR 15 LBS. DF RYE. INDCULATE SEED WITH M INDCULA USE FRDM NDRTH ATLANTA AND NDRTHWARD.
	RYE (Secale cerec ALEINE IN MIXTURES	ale) 3 bu. (1 LBS.) 1/2 bu (28 LBS	- -	8.9 LBS. 1.6 LBS.	M-L P C "	J F M A M		S O N D	COVEI		POUND. QUICK TOLERANT MARDY.	FESCUE, TALL (Festuca arundinacea) ALONE W/ OTHER PERENNIALS	50 LBS. 1.1 L 30 LBS. 0.7 L		J F M A M J J A S 0 1	N D	227,000 SEED PER POUND. US ALDNE ONLY ON BETTER SITES. FOR DROUGHTY SOILS. MIX WJ PERENNIAL LESPEDEZAS OR CROWNVETCH. NOT FOR HEAVY AREAS OR ATHLETIC FIELDS
с	RYEGRASS, ANN (Lolium temulen) ALONE		0	C 1.9 LBS.	M-L n P n			S O N D	DE COMPET	NSE COVE	D IS <u>NOT</u> TO	KUDZU (Pueraria thumbergiana) PLANTS DR CROWNS	3' - 7' APA		J F M A M J J A S D I	N D	RAPID AND VIGDROUS GROWTH. EXCELLENT IN GULLY ERDSIDN CONTROL. VILL CLIMB. GOOD LIVESTOCK FORAGE.
	SUDAN GRAS (Sorghum sudar ALONE		1.	.4 LBS.	M-L P C	J F M A M		S O N D		DROUGHT S	Pound, good Ites, <u>not</u> R Mixtures,	LESPEDEZA, SERICEA (Lespedeza cuneata) SCARIFIED	60 1.4 LBS. LBS.	M-L P C			350,000 SEED PER POUND. VIDE ADAPTED. LOW MAINTENANCE. N VITH VEEPING LOVEGRASS, CON BERNUDA, BAHIA, OR TALL FESS TAKES 2 TO 3 YEARS TO BECI FULLY ESTABLISHED. EXCELLENT RDADBANKS. INDCULATE SEED V. INDCULANT.
	TRITICALE (X-Triticoseco ALONE IN	ale) 3 bu. (144 LB) 1/2 bu (24 LB)	r.) 3	9.3 LBS. 9.6 LBS.	° C				SOUTHE	ON LOWER RN COASTA ATLANTIC "LATWOODS	L PLAIN AND COASTAL	UNSCARIFIED	75 1.7 LBS. LBS.	M-L P C			
_	MIXTURES WHEAT (Triticum aestivum) ALDNE	3 bu (180 LB		1.1 LBS.	M-L P	<u>J F M A M</u>	1 J J A 1		15,0	00 SEED PI	er pound.	SEED-BEARING HAY	3 Tons 138	LBS. P C			CUT WHEN SEED IS MATURE, I BEFORE IT SHATTERS, ADD TA FESCUE OR WINTER ANNUAL:
	IN MIXTURES 1/ TEMPORAR	1/2 bi (30 LB) Y COVER CROPS EEDING RATES	S.) 0 S ARE VE			JFMAM		S D N D ERENNIALS I	F SEEDE	D TOO HE		LESPEDEZA Ambro virgata (Lespedeza virgata DC) or Appalow					300,000 SEED PER PEUND, HEIGH GREWTH IS 18 TE 24 INCHE ADVANTAGES IN URBAN AREA SPREADING TYPE GREWTH, NE
	4/ M-L REPR P REPRES C REPRES	N ABBREVIATIO ESENTS TO MOU ENTS THE SOUT ENTS THE SOUT JRE 6-4.1, P 6-	JNTAIN; B THERN PIE THERN CO	LUE RIDG EDMONT M ASTAL PL	ej and ridge Lra .ain; sand hi	LLS; BLACK	(LANDS;	AND ATLANT	'IC COAS GEORGIA	T FLATWE	10DS MLRAs	(Lespedeza cuneata [Dumont] G. Don) SCARIFIED UNSCARIFIED	60 1.4 LBS. LBS. 75 1.7 LBS. LBS.	M-L P C M-L P C			GROWTH HAS BRONZE COLDRAT MIX W/ WEEPING LDVEGRAS COMMON BERMUDA BAHIA, TAI FESCUE, OR WINTER ANNUALS. NOT MIX W. SERICEA LESPEDE SLOW TO DEVELOP SOLID STA
	WALKER		TOWNSI RAI		JOR LAND	RESOUR	CE ARE	AS (MLRA) of gi	EORGIA		LESPEDEZA, SHRUB(Lespedeza bicolor))		M-L	JFMAMJJASDI	N D	INDCULATE SEED W/ EL INDCUL
В	CHATTERS - SA	AN PICKENS TO	HALL BANKS	FRANKELIN FRANKELIN HART	BERK		MOUNTAI	IN, BLUE RIDGE	E, AND RID	GES AND V	ALLEY	(Lespedeza thumbergil) PLANTS	3′ × 3′	P C	J F M A M J J A S 🛛 I	N D	RI UI TI
	POLK OPULIN	CIIBB DEKALB	VALTEN VALTEN	TIM	WILKES		SOUTH CO	RN PIEDMONT OASTAL PLAIN ANTIC COASTA			LANDS,	(Eragrostis curvula) ALDNE W/ DTHER PERENNIALS	4 LBS. 0.1 L 2 LBS. 0.05			ND	
	HEARD ON		VIASPER	1 1	1814 1							MAIDENCARE (Panicum hemitomon) SPRIGS WITH OTHER	2' × 3' SPA(FOR VERY WET SITES. MAY CLOG CHANNELS. DIG SPRIGS FROM LOCAL SOURCES. USE ALONG RIVEF
-			JONES	WAS WAS			<pre> VEN { </pre>					PERENNIALS PANICGRASS, ATLANTIC CDASTAL		Р	J F M A M J J A S D I	N D	BANKS AND SHDRELINES. GRDWS WELL DN CDASTAL SA DUNES, BURRDW AREAS, AND GRAVEL PITS. PRDVIDES VIN
	HUSCO CHITTME	MARIDING MACON		ECKLEY	RENS	BULLOC	- MA					(Panicum amarum var. amarulum) REED CANARY	20 LBS. 0.5 L	.BS. C		N D	CUVER FOR WILDLIFE. MIX W SERICEA LESPEDEZA EXCEPT SAND DUNES.
			Pp. VIL		\ Xtrial		RYAN CHAT	THAM				GRASS (Phalaris arundinancea) ALDNE WITH DTHER PERENNIALS	50 LBS. 1.1 L 30 LBS. 0.7 L			- N D	GROWS SIMILAR TO TALL FESCUE.
						ERCE	No. Contraction					SUNFLOWER, 'AZTEC' MAXIMILLIAN (Helianthus maximiliani)	10 LBS. 0.2 L				
A	SEM	DECATUR GRADY TH				BRANTLE GO	The second second						<u> </u>		J F M A M J J A S D I	<u>N D </u>	
			{ {	173 I													
		,	S	ТАВ	DIST ILIZAT				ING)		Ds3	DI		D AREA STAE		
	Ds2	2014 N			EROSION		DIMEN				300K)						
1												•					



NOT TO SCALE

CONS	FRUCTION SCHE	DULE	
MONTHS	1	2	3
INSTALLATION OF SEDIMENT CONTROL MEASURES			
CLEARING, GRUBBING , DEMO			
PIPE INSTALLATION			
PAVING			
GRASSING			
MAINTAINING OF EROSION AND SOIL CONTROL MEASURES			
FINAL LANDSCAPING, GRASSING			



C-506

CUL

IRT

COU

ROCKTON

Designed By:

Checked By:

Drawn By:

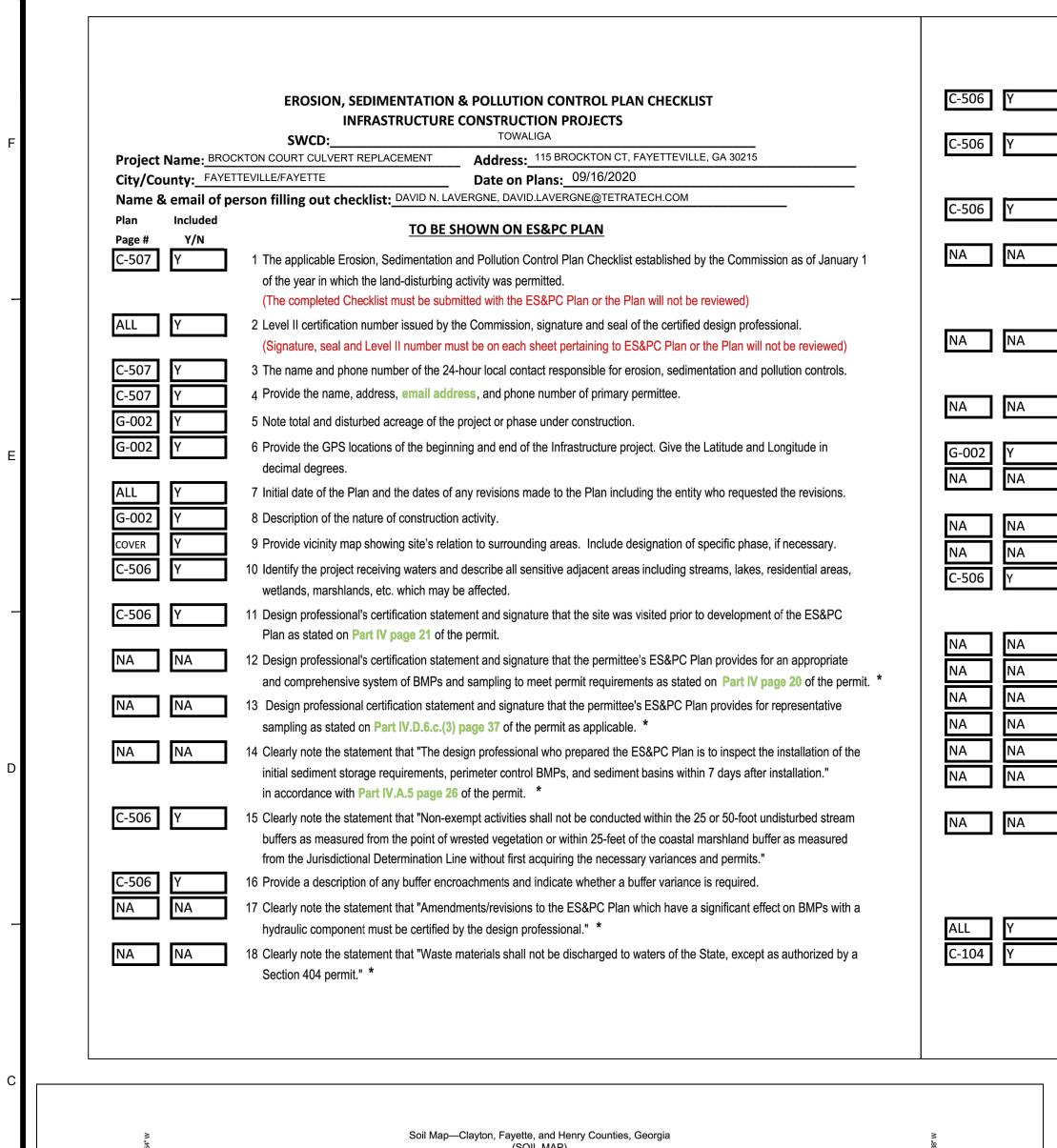
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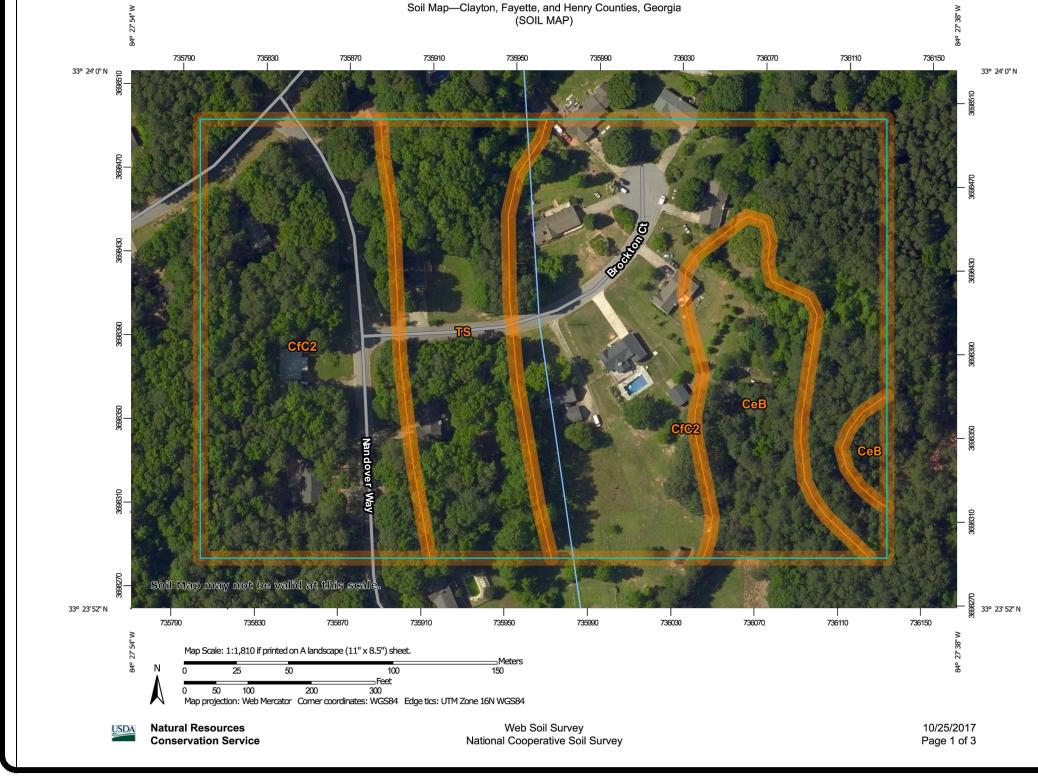
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Project No.: 200-01297-1704

COUNT

FAYETTE (





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."
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."
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."
22	Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an 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. *
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. *
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. *
25	Provide BMPs for the remediation of all petroleum spills and leaks.
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. *
27	Description of practices to provide cover for building materials and building products on site.
28	B Description of the practices that will be used to reduce the pollutants in storm water discharges. $$ *
29	Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
30	Provide complete requirements of inspections and record keeping by the primary permittee. *
31	Provide complete requirements of sampling frequency and reporting of sampling results. *
32	Provide complete details for retention of records as per Part IV.F. of the permit. *
33	B Description of analytical methods to be used to collect and analyze the samples from each location. *
34	. Appendix B rationale for NTU values at all outfall sampling points where applicable. $$ *
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.
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. *

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

37 Graphic scale and North arrow.

39	Use of alternative BMPs whose performance has been docur
	as certified by a Design Professional (unless disapproved by
	Commission). Please refer to the Alternative BMP Guidance
40	Use of alternative BMP for application to the Equivalent BMP
	Erosion & Sediment Control in Georgia 2016 Edition. *
41	Delineation of the applicable 25-foot or 50-foot undisturbed be
	required by the Local Issuing Authority. Clearly note and deli
42	Delineation of on-site wetlands and all State waters located o
43	Delineation and acreage of contributing drainage basins on the
44	Delineate on-site drainage and off-site watersheds using USC
45	An estimate of the runoff coefficient or peak discharge flow of

NA

	completed.
-6	Storm-drain pipe and weir velocities with appropriate outlet p

	Identify/Delineate all storm water discharge points.	
17	Sail sories for the project site and their delineation	

48 The limits of disturbance for each phase of construction.

47	Soll series	for the	projeci	site a	and t	neir	delinea	auon.

49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written the surface are not feasible, a written justification explaining this decision must be included in the Plan.

50	Loca	tion	of	Bes	st M	ana	ger	nent	Pra	cti	ces	tha	t ar	e co	ons	ister	nt w
	Sedi	men	t C	onti	rol i	n G	eor	gia.	Use	e ur	nifo	m	codi	ing	syr	nbol	s fr
	_							-								-	

51	Provide detailed drawings for all structural practic	es.	Spec
	the Manual for Erosion and Sediment Control in G	eor	gia.

5	2 Provide vegetative plan, noting all temporary and permanent
	seeding, fertilizer, lime and mulching rates. Vegetative plan
	will take place and for the appropriate geographic region of
*	If using this shacklist for a project that is less than 1 are and

	If using	this	Checklis	t for a p	project	that is	less	than 1	acre	and I
bι	ut within	200	ft of a pe	erennial	strear	m, the	* che	ecklist	items	wou

PRIMARY PERMITTEE TO BE PROVIDED AFTER PROJECT IS AWARDED.

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

Map Unit Legend								
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI					
СеВ	Cecil sandy loam, 2 to 6 percent slopes	2.2	12.9%					
CfC2	Cecil sandy clay loam, 6 to 10 percent slopes, eroded	11.9	69.5%					
TS	Toccoa sandy loam, 0 to 2 percent slopes, frequently flooded	3.0	17.7%					
Totals for Area of Interest		17.1	100.0%					

mented to be equivalent to or superior to conventional BMPs
PPD or the Georgia Soil and Water Conservation
e Document found at www.gaswcc.org.

P List. Please refer to Appendix A-2 of the Manual for

buffers adjacent to State waters and any additional buffers ineate all areas of impact.

on and within 200 feet of the project site.

he project site.

GS 1" :2000' topographical sheets.

f the site prior to and after construction activities are

protection to accommodate discharges without erosion.

retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable 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

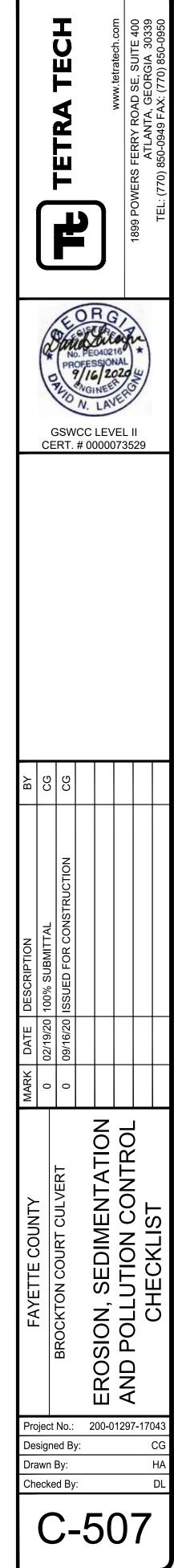
> with and no less stringent than the Manual for Erosion and from the Manual, Chapter 6, with legend.

ifications must, at a minimum, meet the guidelines set forth in

ent vegetative practices. Include species, planting dates and an shall be site specific for appropriate time of year that seeding f Georgia.

I not part of a common development ould be N/A.

Effective January 1, 2020



Bar Measures 1 inch