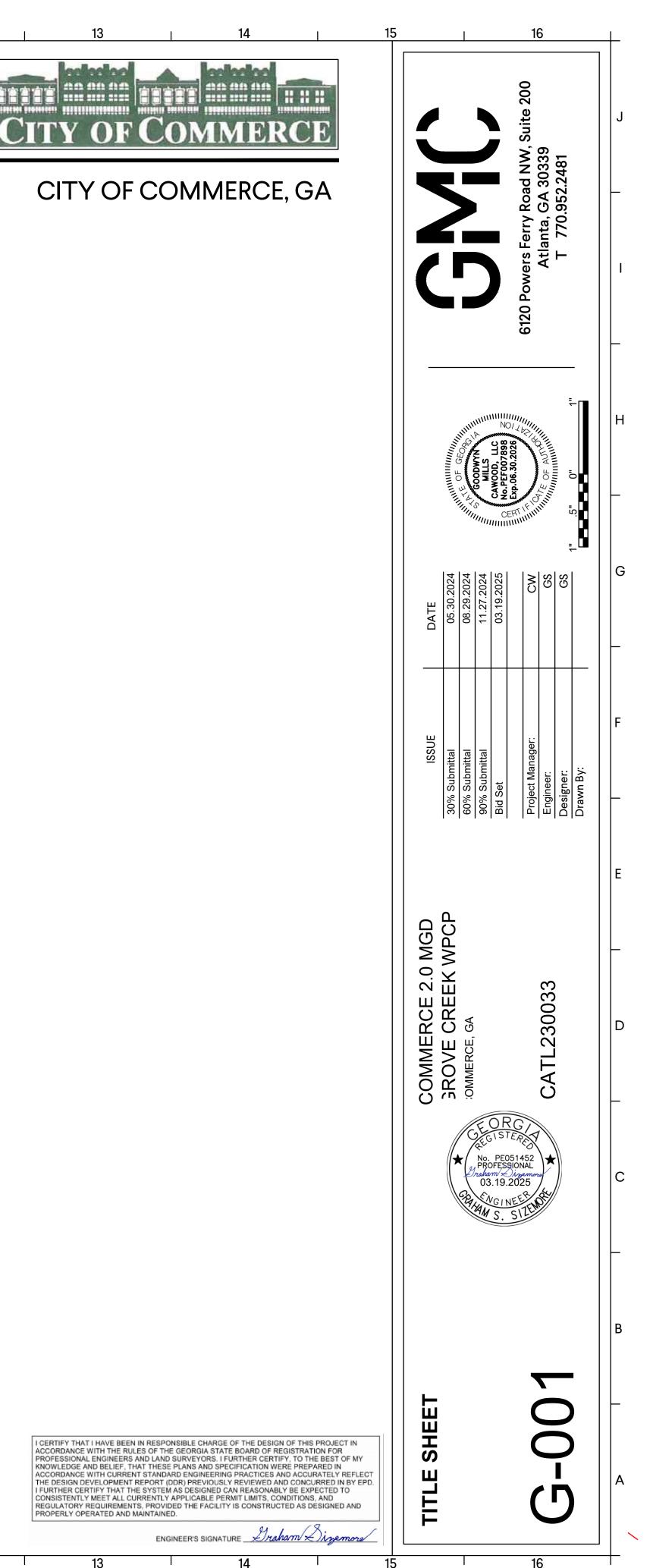


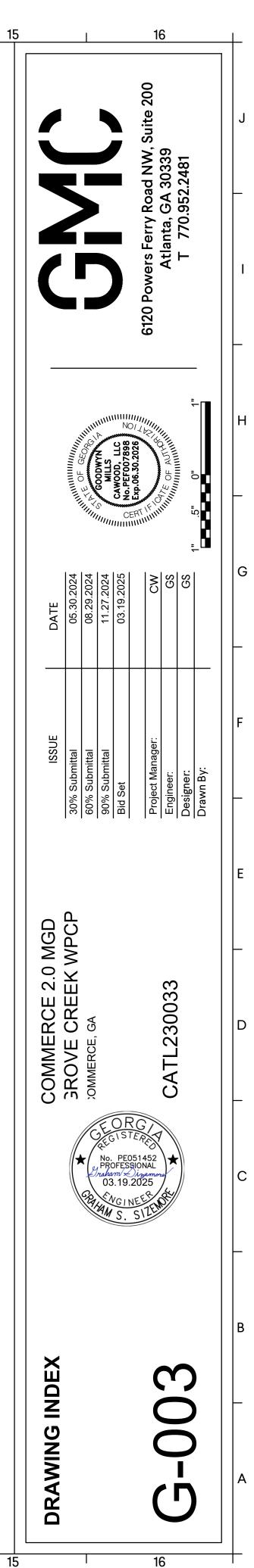
	7	8	1	9	1	10	1	11	1	12



GENERAL	L	C-104	CIVIL SITE PLAN - ENLARGED GEOMETRIC CONTROLS	CU-614	COMPREHENSIVE MONITORING PROGRAM GENERAL NOTES	A-106	ADN
SHT #	SHEET TITLE	C-201	CIVIL SITE PLAN - SITE LAYOUT	CU-615	WATERSHED MAP, DRAINAGE AREA & MONITORING LOCATIONS	A-107	ADN
G-001	TITLE SHEET	C-202	CIVIL SITE PLAN ALIGNMENT PLAN	CU-616	SOILS MAP	A-108	ADN
G-002	DRAWING INDEX	C-203	CIVIL SITE PLAN - GRADING & DRAINAGE	CU-617	SOILS MAP	A-109	ADN
G-003	DRAWING INDEX	C-204	PIPE AND STRUCTURE TABLE	CU-618	FEMA FLOODPLAIN MAP	A-110	ADN
G-003	ABBREVIATIONS	C-301	CIVIL SITE PLAN - YARD PIPING	CU-619	FEMA FLOODPLAIN MAP	A-111	ADN
G-005	GENERAL NOTES, LEGENDS, & SYMBOLS	C-302	CIVIL SITE PLAN - ENLARGED YARD PIPING	CU-901	STANDARD DETAILS	A-711	BLO
G-006	PROCESS FLOW DIAGRAM	C-303	CIVIL SITE PLAN - ENLARGED YARD PIPING	CU-902	STANDARD DETAILS	A-712	BLO
G-007	HYDRAULIC PROFILE (1 OF 2)	C-304	CIVIL SITE PLAN - ENLARGED YARD PIPING	CU-903	STANDARD DETAILS	A-713	BLC
G-008	HYDRAULIC PROFILE (2 OF 2)	C-601	CIVIL SITE PLAN - PHASE I - EROSION & SEDIMENT CONTROL PLAN	CU-904	STANDARD DETAILS	A-714	BLC
G-009	PROCESS PIPING SCHEDULE	C-602	CIVIL SITE PLAN - PHASE II - EROSION & SEDIMENT CONTROL PLAN	STRUCI	URAL	A-715	BLC
G-011	PROCESS DESIGN CRITERIA	C-603	CIVIL SITE PLAN - PHASE III - EROSION & SEDIMENT CONTROL PLAN	SHT #	SHEET TITLE	A-721	DE\
INSTRUM	IENTATION	C-604	CIVIL SITE PLAN - PHASE IV - EROSION & SEDIMENT CONTROL PLAN	S-001	STRUCTURAL NOTES & TYPICAL DETAILS	A-722	DE
SHT #	SHEET TITLE	C-605	EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST	S-002	TYPICAL DETAILS	A-723	DE\
I-001	P&ID ABBREVIATIONS & NOTES	C-606	ES & PC STANDARD DETAILS	S-003	TYPICAL DETAILS	A-724	DE
1-002	P&ID LEGENDS	C-607	ES & PC STANDARD DETAILS	S-004	SCHEDULE OF STRUCTURAL SPECIAL INSPECTIONS	A-725	DE\
I-101	P&ID - INFLUENT PUMP STATION	C-608	ES & PC STANDARD DETAILS	S-101	ADMINISTRATION & LAB BUILDING FOUNDATION PLAN	A-726	DE\
I-102	P&ID - INFLUENT SCREENS	C-609	ES & PC STANDARD DETAILS	S-102	ADMINISTRATION & LAB BUILDING ROOF FRAMING PLAN	A-727	DE
I-103	P&ID - GRIT REMOVAL	C-610	ES & PC STANDARD DETAILS	S-103	ADMINISTRATION & LAB BUILDING - SECTIONS	A-728	DEV
I-211	P&ID - EQUALIZATION BASIN	C-611	ES & PC STANDARD DETAILS	S-104	ADMINISTRATION & LAB BUILDING - SECTIONS	PLUMBI	NG
I-221	P&ID - FLOW CONTROL VALVE VAULT	C-612	ES & PC STANDARD DETAILS	S-105	GENERATOR & ELECTRICAL BUILDING FOUNDATION - PLANS & SECTION	SHT #	SHE
I-301	P&ID - AERATION BASIN	C-613	ES & PC STANDARD DETAILS	S-111	HEADWORKS PLAN	P-001	GE
I-401	P&ID - CLARIFIERS	C-614	ES & PC STANDARD DETAILS	S-112	HEADWORKS - SECTIONS	P-002	SC
1-402	P&ID - RAS/WAS PUMP STATION	C-615	COMPREHENSIVE MONITORING PROGRAM GENERAL NOTES	S-112	HEADWORKS - SECTIONS	P-003	DE
I-402	P&ID - FILTERS	C-616	WATERSHED MAP, DRAINAGE AREA & MONITORING LOCATIONS	S-301	ORBAL AERATION - LOWER PLAN	P-003	RIS
I-601	P&ID - UV DISINFECTION	C-617	SOILS MAP	S-302	ORBAL AERATION - UPPER PLAN	P-101	AD
I-602	P&ID - PLANT REUSE WATER PUMP STATION & POST AERATION	C-618	SOILS MAP	S-303	ORBAL AERATION - TROLLEY FRAME PLAN	P-102	AD
I-701	P&ID - AEROBIC DIGESTER	C-619	FEMA FLOODPLAIN MAP	S-304	ORBAL AERATION - ENLARGED PLANS	P-103	DE
I-702	P&ID - DIGESTER BLOWERS	C-620	FEMA FLOODPLAIN MAP	S-305	ORBAL AERATION - ENLARGED PLANS	P-104	DE
I-711	P&ID - BELT FILTER PRESS	C-904	CIVIL - CIVIL SITE DETAILS	S-306	ORBAL AERATION - SECTIONS	MECHAN	IICAL
I-801	P&ID - YARD DRAIN PUMP STATION	C-905	CIVIL - CIVIL SITE DETAILS	S-307	ORBAL AERATION - SECTIONS	SHT #	SH
I-802	P&ID - CHEMICAL FEED - CAUSTIC SODA	C-906	CIVIL - CIVIL SITE DETAILS	S-308	ORBAL AERATION - SECTIONS	M-001	GE
I-803	P&ID - CHEMICAL FEED - POLYALUMINUM CHLORIDE	C-907	CIVIL - CIVIL SITE DETAILS	S-309	ORBAL AERATION - SECTIONS	M-002	DE
1-804	P&ID - CHEMICAL FEED - POLYMER	C-908	CIVIL - CIVIL SITE DETAILS	S-310	ORBAL AERATION - SECTIONS	M-003	SC
I-901	INSTRUMENTATION DETAILS	C-909	CIVIL - CIVIL SITE DETAILS	S-311	ORBAL AERATION - TROLLEY ELEVATIONS	M-004	SC
1-902	INSTRUMENTATION DETAILS	C-910	CIVIL - CIVIL SITE DETAILS	S-401	CLARIFIERS & SPLITTER BOX - UPPER PLAN	M-101	AD
I-911	INSTRUMENTATION SCHEDULE	C-911	CIVIL - CIVIL SITE DETAILS	S-402	CLARIFIERS - SECTIONS	M-102	DE
I-912	INSTRUMENTATION SCHEDULE	C-912	CIVIL - CIVIL SITE DETAILS	S-403	CLARIFIERS & SPLITTER BOX - SECTIONS	M-103	СН
DEMOLIT	ION	C-913	CIVIL - CIVIL SITE DETAILS	S-501	TERTIARY FILTERS - PLANS	M-104	BLC
SHT #	SHEET TITLE	C-914	CIVIL - CIVIL SITE DETAILS	S-502	TERTIARY FILTERS - SECTIONS	PROCES	S
X-101	CIVIL SITE PLAN - INFLUENT PUMP STATION DEMOLITION	CIVIL UT	LITIES	S-503	TERTIARY FILTERS - SECTIONS	SHT #	SH
GEOTECH		SHT #	SHEET TITLE	S-601	ULTRAVIOLET DISINFECTION - PLAN & SECTION	D-001	PR
SHT #	SHEET TITLE	CU-201	CIVIL SITE PLAN - INFLUENT PUMP STATION GRADING PLAN	S-611	PLANT REUSE WATER PUMP STATION & POST AERATION - LOWER PLAN	D-101	INF
B-000	BORING PLAN	CU-311	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY	S-612	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN	D-102	INF
B-001	CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-312	CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00	S-613	PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS	D-111	INF
B-002	CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-313	CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00	S-614	PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS	D-121	HE
B-003	CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-314	CIVIL SITE PLAN - INFFLUENT FORCE MAIN STATION 0+00 TO 11+00	S-701	AEROBIC DIGESTERS - PLAN	D-122	HE
B-004	CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-315	CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 11+00 TO 22+00	S-702	AEROBIC DIGESTERS - SECTION	D-123	HE
B-005	CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-316	CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 22+00 TO 33+00	S-711	BLOWERS BUILDING - PLANS	D-124	HE
B-006	CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-317	CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 33+00 TO 44+00	S-712	BLOWERS BUILDING - SECTIONS	D-125	HE
B-007	CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-318	CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 44+00 TO 53+00	S-712	DEWATERIING BUILDING - FOUNDATION PLAN	D-201	EQ
						D-211	FL
B-008		CU-319	CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 53+00 TO 63+50	S-722	DEWATERIING BUILDING - ROOF FRAMING PLAN		OR
B-009	CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-320	CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 63+50 TO 74+50	S-723	DEWATERIING BUILDING - SECTIONS	D-301	
B-010	CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-321	CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 74+50 TO 85+50	S-724	DEWATERIING BUILDING - SECTIONS	D-302	OF
B-011	CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-322	CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 85+50 TO 96+50	S-801	CHEMICAL TANK FARM - PLAN & SECTION	D-303	OF
B-012	CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-323	CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 96+50 TO 107+00	S-802	CHEMICAL TANK FARM - SECTIONS	D-304	OF
B-013	CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-324	CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 95+50 TO 110+00	ARCHIT	CTURAL	D-305	OR
B-014	CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-325	CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 114+21 TO HARDEN BRIDGE RD.	SHT #	SHEET TITLE	D-306	OF
B-015	CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-401	WATER MAIN LAYOUT (HAGGARD RD.) STA. 0+00 TO 27+10	A-001	ARCHITECTURAL KEY PLAN	D-307	AE
B-016	CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-605	EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST	A-002	DEWATERING LIFE SAFETY PLAN	D-308	OF
						D-401	CL
B-017	CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-606	ES & PC GENERAL NOTES, LEGENDS & SCHEDULE	A-003	ADMINISTRATION & LAB BUILDING LIFE SAFETY PLAN		
CIVIL		CU-607	ES & PC STANDARD DETAILS	A-004	BLOWER BUILDING - LIFE SAFETY PLAN	D-402	CL
SHT #	SHEET TITLE	CU-608	ES & PC STANDARD DETAILS	A-101	ADMINISTRATION & LAB BUILDING - FLOOR PLAN		
	CIVIL SITE PLAN - EXISTING CONDITIONS	CU-609	ES & PC STANDARD DETAILS	A-102	ADMINISTRATION & LAB BUILDING - DETAILED PLAN & REFLECTED CEILING PLAN		
C-001				4.400	ADMINISTRATION & LAB BUILDING - ENLARGED FLOOR PLAN		
C-001 C-101	CIVIL SITE PLAN - EXISTING CONDITIONS	CU-610	ES & PC STANDARD DETAILS	A-103	ADMINISTRATION & LAB BUILDING - ENLARGED FLOOR FLAN		
	CIVIL SITE PLAN - EXISTING CONDITIONS CIVIL SITE PLAN - GEOMETRIC CONTROLS	CU-610 CU-611	ES & PC STANDARD DETAILS ES & PC STANDARD DETAILS	A-103	ADMINISTRATION & LAB BUILDING - ENLARGED FLOOR PLAN		

13   14	15					16		
I & LAB BUILDING - INTERIOR ELEVATIONS	<b>─</b> ┓ │┌							
I & LAB BUILDING - INTERIOR ELEVATIONS						200		
I & LAB BUILDING - WALL SECTIONS						te 2		
I & LAB BUILDING - WALL SECTIONS						Road NW, Suite GA 30339		
I & LAB BUILDING - SCHEDULES						× 39	8	
I & LAB BUILDING - DETAILS						ad NV 3033	.952.2481	
G - FLOOR & ROOF PLAN						Roa GA	952	
G - ELEVATION						ta,	Т 770.	
G - SECTIONS						s Fe tlan		
G - SCHEDULES						A ver	•	
G - DETAILS						Pov		
ILDING - PLAN						6120 Powers Ferry Atlanta,		
ILDING - ROOF PLAN						ġ		
ILDING - ELEVATION								
ILDING - WALL SECTIONS								
ILDING - WALL SECTIONS							-	- []
ILDING - SECTIONS			MI	11111111 1 P	NO/_/			
ILDING - SCHEDULES			EOR.	Z Z	LLC 7898 2026	44444444444444444444444444444444444444	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
ILDING - DETAILS			OF G	MILLS	/000, EF00 )6.30.	OF A		
				US C	CAW No.P		11111	
				· <sub>()</sub> · · · · · · · · · · · · · · · · · · ·	CERT	MILLIN MILLIN	יי ע	; •
							-	
			024	024	2025		S S	
		≝	05.30.2024 08.29.2024	11.27.2024	03.19.2025			
FLOOR PLAN - WASTE & VENT		DATE	05.08.	<del>-</del>	03			
FLOOR PLAN - WATER								
ILDING FLOOR PLAN - WASTE & VENT			_	+		+	+	
ILDING FLOOR PLAN - WATER								
		Щ						
		ISSUE	ittal	ittal		nage		
			mdu:	mdh	it.	t Mai	ler:	:By:
			30% Submittal 60% Submittal	90% Submittal	Bid Set	Project Manager: Fngineer	Designer:	Drawn By:
		I	ကျဖ	၂၈၂	шļ	ותות	וםוי	
FLOOR PLAN								
ILDING FLOOR PLAN								
FLOOR PLAN								
G FLOOR PLAN		_ (	L					
		С С С С С	5					
		Ξ	$\leq$					
TE PLAN		2.0 MGD	Ķ			~	C	
STATION - PLAN		ЧL	Ц			でて	Ś	
STATION - SECTION & DETAILS		COMMERCE	S S S	5		0 A TI 220022	Š	
METER VAULT - PLAN & SECTION		μÌ	ц Ч			C <sup>r</sup>	Ý	
OWER PLAN		AIV VIV				F		
PPER PLAN		<u>Ö</u>				<	L D	
ECTIONS		0 '	·1 >				•	
ECTIONS			//	JE (	ORC			
				Nr G	PF051	452		
ASIN - PLAN, SECTION, & DETAILS				Innhan		remoral		
VAULT - PLAN & SECTION			190	<b>\</b>	.19.20	.a/&		
I - LOWER PLAN			1.5	NAM N	GINE S. S	ZEM	/	
I - UPPER PLAN				/				
- CENTER ISLAND PLAN & SECTIONS								
I - INFLUENT PIPING PLAN & SECTIONS								
I - EFFLUENT PIPING PLAN & SECTIONS								
I - RETURN SLUDGE PLAN & SECTIONS								
- DRIVE PLAN & SECTIONS								
I SECTIONS		×						
N		ШО				C	V	
ITTER BOX DETAIL		DRAWING IND				(		
		Ċ					つつ	
		ž				C	)	
		Z						
		A				1	Ŋ	I
		ЛR					J	
							_	

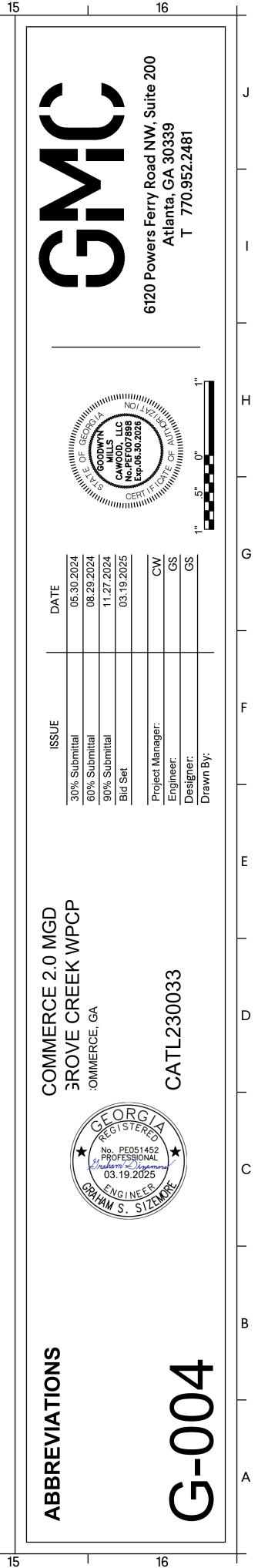
CES	\$S	E-114	HEADWORKS LIGHTNING PROTECTION PLAN	]		
	SHEET TITLE	E-115	DRUM SCREEN ELECTRICAL SCHEMATICS			
	CLARIFIERS - INFLUENT DETAIL	E-116	GRIT REMOVAL ELECTRICAL SCHEMATICS	_		
•	CLARIFIERS - EFFLUENT DETAIL	E-201	EQ BASIN & FLOW CONTROL VALVE ELECTRICAL PLANS	-		
1	RAS WAS PUMP STATION - PLAN	E-202	EQ BASIN & FLOW CONTROL VALVE ELECTRICAL SCHEMATIC	 -		
12	RAS WAS PUMP STATION - SECTIONS	E-301	AERATION BASIN ELECTRICAL PLAN	-		
1	TERTIARY FILTERS - LOWER PLAN & ENLARGED PLAN	E-302	AERATION BASIN ELECTRICAL SCHEMATIC	 -		
02	TERTIARY FILTERS - UPPER PLAN & ROOF PLAN	E-401	CLARIFIERS ELECTRICAL PLAN	-		
03 04	TERTIARY FILTERS - SECTIONS TERTIARY FILTERS - SECTIONS	E-402 E-403	CLARIFIERS ELECTRICAL SCHEMATIC RAS/WAS PUMP STATION ELECTRICAL PLAN	 -		
01	ULTRAVIOLET DISINFECTION - PLANS & SECTIONS	E-404	RAS/WAS PUMP STATION ELECTRICAL SCHEMATIC	-		
11	PLANT REUSE WATER PUMP STATION AND POST AERATION - LOWER PLAN	E-405	RAS/WAS PUMP STATION ELECTRICAL SCHEMATIC			
12	PLANT REUSE WATER PUMP STATION AND POST AERATION - UPPER PLAN	E-501	FILTERS ELECTRICAL BOTTOM PLAN	 -		
13	PLANT REUSE WATER PUMP STATION AND POST AERATION - PIPING DETAIL PLAN	E-502	FILTERS ELECTRICAL TOP PLAN			
14	PLANT REUSE WATER PUMP STATION AND POST AERATION - SECTIONS	E-503	FILTERS ELECTRICAL SCHEMATIC			
15	PLANT REUSE WATER PUMP STATION AND POST AERATION - SECTIONS	E-601	UV DISINFECTION ELECTRICAL PLAN			
	AEROBIC DIGESTER - PLAN & SECTION	E-602	UV DISINFECTION ELECTRICAL SCHEMATICS			
02	AEROBIC DIGESTER - UPPER PLAN & SECTION	E-603	UV DISINFECTION ELECTRICAL SCHEMATICS	-		
)3	AEROBIC DIGESTER - PIPING PLAN & SECTION	E-604	PLANT REUSE PS & POST AERATION ELECTRICAL PLAN	 -		
4	AEROBIC DIGESTER - SECTIONS	E-605	PLANT REUSE PS ELECTRICAL SCHEMATIC			
1	BLOWER BUILDING - PLAN & SECTIONS	E-606	POST AERATION ELECTRICAL SCHEMATIC	 -		
1 2	DEWATERING BUILDING - PLAN	E-701	DIGESTERS ELECTRICAL PLAN	-		
	DEWATERING BUILDING - SECTIONS	E-711 E-712	BLOWER BUILDING LIGHTING PLAN	 -		
	DEWATERING BUILDING - SECTIONS DEWATERING BUILDING - SECTIONS	E-712 E-713	BLOWER BUILDING ELECTRICAL PLAN BLOWER BUILDING ELECTRICAL SCHEMATICS			
1 	YARD DRAIN PUMP STATION - PLANS	E-721	DEWATERING BUILDING LIGHTING PLAN	-		
2	YARD DRAIN PUMP STATION - SECTIONS	E-722	DEWATERING BUILDING STORAGE ROOM ELECTRICAL PLAN			
1	CHEMICAL TANK FARM - PLAN & SECTION	E-723	DEWATERING BUILDING DEWATERING ROOM ELECTRICAL PLAN	 -		
2	CHEMICAL TANK FARM - SECTIONS	E-724	DEWATERING BUILDING ELECTRICAL SCHEMATIC			
01	PROCESS PIPING PIPE PENETRATION DETAILS	E-801	YARD DRAIN PUMP STATION ELECTRICAL PLAN			
02	PROCESS PIPE SUPPORT DETAILS	E-802	CHEMICAL TANK FARM ELECTRICAL PLAN			
03	PROCESS PIPE SUPPORT DETAILS	E-803	CHEMICAL TANK FARM ELECTRICAL SCHEMATIC			
04	PROCESS PIPE STRUCTURAL ATTACHMENTS DETAILS (1 OF 2)	E-901	ADMIN BUILDING LIGHTING PLAN	 _		
05	PROCESS PIPE STRUCTURAL ATTACHMENTS DETAILS (2 OF 2)	E-902	ADMIN BUILDING ELECTRICLA PLAN	_		
06	PROCESS DETAILS (1 OF 2)	E-903	ADMIN BUILDING ELECTRICAL SCHEMATIC			
07	PROCESS DETAILS (2 OF 2)	_				
11	GATE SCHEDULE & DETAILS ATTACHMENTS	_				
21 22	VALVE SCHEDULE VALVE SCHEDULE	_				
	RICAL	t				
#	SHEET TITLE					
	ELECTRICAL NOTES & ABBREVIATIONS	-				
	ELECTRICAL SYMBOLS					
	ELECTRICAL DETAILS					
	ELECTRICAL DETAILS					
	ELECTRICAL DETAILS					
	ELECTRICAL DETAILS	_				
•	POWER RISER DIAGRAMS	_				
	INFLUENT PUMP STATION SINGLE LINE DIAGRAM	_				
)	TREATMENT PLANT SINGLE LINE DIAGRAM	_				
	TREATMENT PLANT SINGLE LINE DIAGRAM (CONT.)	-				
1	OVERALL ELECTRICAL SITE PLAN	_				
12	INFLUENT PUMP STATION ELECTRICAL SITE PLAN	-				
3 4	TREATMENT PLANT ELECTRICAL SITE PLAN         ELECTRICAL DUCT BANK SCHEDULE	_				
14 15	ELECTRICAL ELEVATIONS	-				
5 6	ELECTRICAL ELEVATIONS ELECTRICAL PANEL SCHEDULES	_				
17	ELECTRICAL PANEL SCHEDULES	1				
)1	INFLUENT PUMP STATION ELECTRICAL PLAN	_				
2	INFLUENT PUMP STATION ELECTRICAL SCHEMATICS	1				
1	DRUM SCREEN UPPER ELECTRICAL PLAN					
2	DRUM SCREEN LOWER ELECTRICAL PLAN	1				
	GRIT REMOVAL ELECTRICAL PLAN					

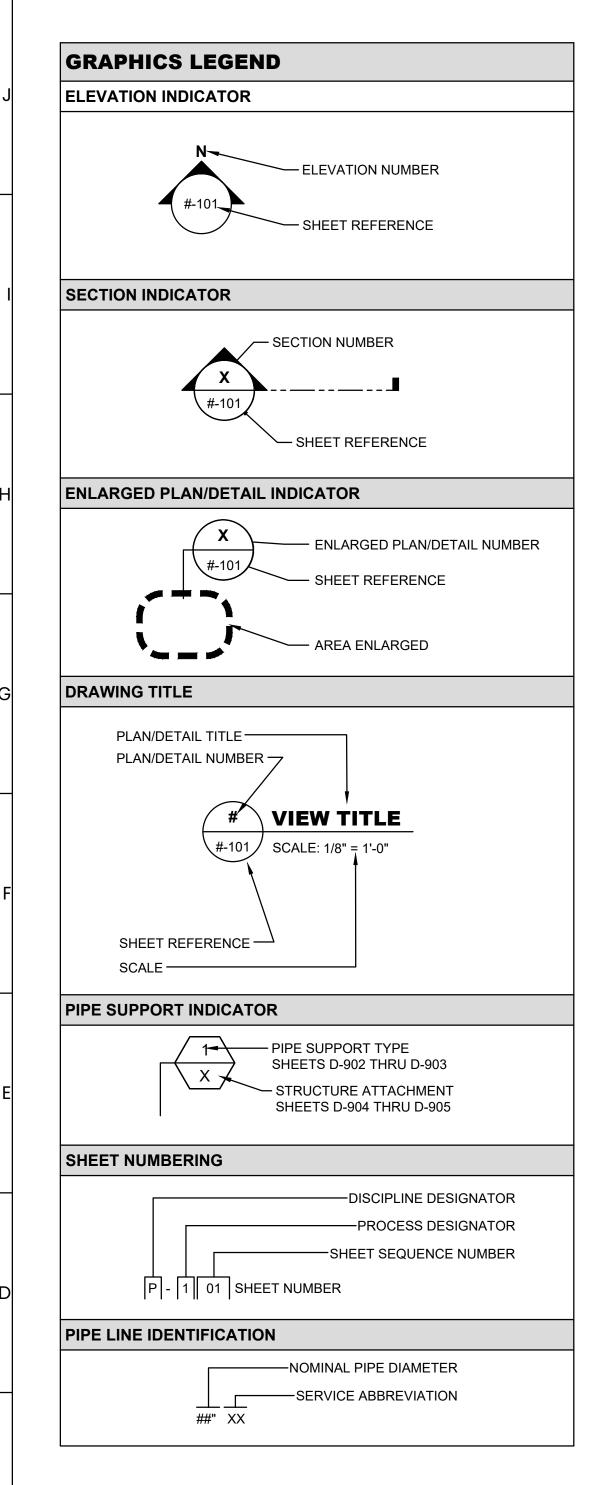


	· · · · · · · · · · · · · · · · · · ·		4 5		ů , , , , , , , , , , , , , , , , , , ,	0			11 12		13   14
COM	MON ABBREVIATIONS										
А	AIR	DISTR	DISTRIBUTION	HP	HORSEPOWER	OD	OUTSIDE DIAMETER	RR	RAILROAD	VERT	VERTICAL
AB	ANCHOR BOLT	DL	DEAD LOAD	HR	HOUR	OF	OUTSIDE FACE OR OVERFLOW	RTN	RETURN	VP	VENT PIPE
AC	AIR CONDITIONING	DMJ	DUCTILE MECHANICAL JOINT	HS	HIGH STRENGTH	OPNG	OPENING	SALV	SALVAGE	VTR	VENT THROUGH ROOF
	ASPHALTIC CONCRETE PAVING	DN	DOWN		HEATING, VENTILATION, AIR CONDITIONING	OPP	OPPOSITE		STANDARD CUBIC FEET PER MINUTE	W/	WITH
ACP				HVAC				SCFM			
ADDL	ADDITIONAL	DWG	DRAWING	HW	HOT WATER	OPT		SCH	SCHEDULE	W/O	
ADDM	ADDENDUM	EA	EACH	HWL	HIGH WATER LEVEL	PC	POINT OF CURVE OF PORTLAND CEMENT	SCN	SCREENINGS	WC	WATER CLOSET
ADJ	ADJUSTABLE	ECC	ECCENTRIC	HWY	HIGHWAY	P&C	PIN AND CAP	SDR	STANDARD DIMENSION RATIO	WCO	WALL CLEANOUT
AFF	ABOVE FINISHED FLOOR	EF	EACH FACE OR ELECTRICAL FAN	HYD	HYDRANT	PCO	PRESSURE CLEAN OUT	SECT	SECTION	WD	WIDTH OR WOOD
AFS	AIR FLOW SWITCH	EJ	EXPANSION JOINT	ID	INSIDE DIAMETER	PCP	PROGRESSIVE CAVITY PUMP	SHLDR	SHOULDER	WDW	WINDOW
AHU	AIR HANDLING UNIT	EL	ELEVATION	IF	INSIDE FACE	PCR	POINT OF CURVE RETURN	SHT	SHEET	WF	WIDE FLANGE
AL	ALUMINUM	ELEC	ELECTRICAL	INCL	INCLUDED	PE	PLAIN END	SIM	SIMILAR	WH	WALL HYDRANT
ALT	ALTERNATE	ENGR	ENGINEER	INCR	INCREASER	PERM	PERMANENT	SOTE	STANDARD OXYGEN TRANSFER EFFICIENCY	WL	WIND LOAD
APPRO	DX APPROXIMATE	EOA	EDGE OF ASPHALT	INF	INFLUENT	PERP	PERPENDICULAR	SP	SPACE (ING)	WP	WEIR PLATE
ARCH	ARCHITECT(URAL)	EOP	EDGE OF PAVEMENT	INSTL	INSTALLATION	PI	POINT OF INTERSECTION	SPEC	SPECIFICATION	WS	WETTED SURFACE
ARV	AIR RELIEF VALVE	EQ	EQUAL	INSTR	INSTRUMENT	PL	PLATE OR PROPERTY LINE	SQ	SQUARE	WТ	WEIGHT
ASME	AMERICAN SOCIETY MECHANICAL ENGINEERS	EQUIP	EQUIPMENT	INSUL	INSULATION	PLBG	PLUMBING	SQ FT	SQUARE FOOT	WWF	WELDED WIRE FABRIC
ASPH	ASPHALT	EQUIV	EQUIVALENT	INV	INVERT	PLYWD	PLYWOOD	SQ IN	SQUARE INCH	WWTP	WASTEWATER TREATMENT PLANT
ASSY	ASSEMBLY	ESMT	EASEMENT	INT	INTERIOR	PNT	PAINT		SQUARE YARD	X SECT	CROSS SECTION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	EST	ESTIMATE	INV EL	INVERT ELEVATION	POC	POINT ON VERTICAL CURVE	SRT	SOLIDS RETENTION TIME	XMR	TRANSFORMER
ATM	ATMOSPHERE	EUH	ELECTRIC UNIT HEATER	ISA	INSTRUMENT SOCIETY OF AMERICA	POLY	POLYETHYLENE	SST	STAINLESS STEEL	YCO	YARD CLEANOUT
ATS	AUTOMATIC TRANSFER SWITCH	EW	EACH WAY	JST	JOIST	PPM	PARTS PER MILLION		STAINLESS STEEL BOLT	YH	YARD HYDRANT
AUTO		EWS		JTS	JOINTS		3 PREFABRICATED	ST	STREET	-	
AVS		EXP JT	EXPANSION JOINT	KO	KNOCKOUT		PREFINISHED	STA	STATION	_	
AWG	AMERICAN WIRE GAGE	EXST	EXISTING	KWY	KEYWAY		PRELIMINARY	STD	STANDARD	_	
BE	BELL END	EXST GR	R EXISTING GRADE	L	LEFT OR LITER	PREP	PREPARATION	STL	STEEL	_	
BF	BOTTOM FACE	EXT	EXTERIOR	LAB	LABORATORY	PROJ	PROJECT	STL JST	STEEL JOIST	_	
BFD	BUTTERFLY DAMPER	F/F	FACE TO FACE	LAV	LAVATORY	PROP	PROPERTY	STL PL	STEEL PLATE		
BFV	BUTTERFLY VALVE	FA	FOUL AIR	LB(S)	POUND(S)	PRS	PRESSURE REDUCING STATION	STRUCT	STRUCTURAL		
BLDG	BUILDING	FAD	FOUL AIR DUCT	LEL	LOW EXPLOSIVE LIMIT	PRV	PRESS. REDUCING VALVE OR PRESS. RELIEF VALVE	SV	SOLENOID VALVE		
BLK	BLOCK	FCA	FLANGE COUPLING ADAPTER	LF	LINEAR FOOT	PS	PIPE SUPPORT	SVC	SERVICE		
BLM	BUREAU OF LAND MANAGEMENT	FCS	FLUSH CONTROL STATION	LL	LIVE LOAD OR LOOSE LINTEL	PSF	POUNDS PER SQUARE FOOT	SWD	SIDE WATER DEPTH	_	
BM	BENCH MARK	FD	FLOOR DRAIN	LOC	LOCATION	PSI	POUNDS PER SQUARE INCH	SYMM	SYMMETRICAL	_	
BOD	BIOCHEMICAL OXYGEN DEMAND	FDN	FOUNDATION	LP	LOW PRESSURE OR LIGHT POLE	PSIA	POUNDS PER SQUARE INCH ABSOLUTE	SYS	SYSTEM	_	
вот	воттом	FES	FLARED END SECTION	I R	LONG RADIUS	PSIG	POUNDS PER SQUARE INCH GAGE	T&B	TOP AND BOTTOM	_	
BU	BELL UP	FF EL	FINISH FLOOR ELEVATION	LS	LICENSED SURVEYOR	PSV	PRESSURE SUSTAINING VALVE	T&G	TONGUE AND GROOVE		
BV	BALL VALVE	FH	FIRE HYDRANT	<u>г</u>	LIGHT	PT	POINT OR POINT OF TANGENCY	T&P	TEMPERATURE AND PRESSURE	_	
		FIN	FINISH	LT WT		PV				_	
C/C									TEE		
CCP			FINISH FLOOR	LWL		PVC	POLYVINYL CHLORIDE OR POINT OF VERTICAL CURVE		TOP OF BEAM		
CCW	COUNTER CLOCKWISE		FINISH GRADE	MAINT	MAINTENANCE	PVG	PAVING	TBM	TEMPORARY BENCH MARK		
CFM	CUBIC FEET PER MINUTE	FL	FLANGE	MAN	MANUAL	PVI	POINT OF VERTICAL CURVE INTERSECTION	TE	TOP ELEVATION	_	
CHKV	CHECK VALVE	FLR	FLOOR	MATL	MATERIAL	PVMT	PAVEMENT	TEMP	TEMPORARY		
CIP	CAST IRON PIPE	FPM	FEET PER MINUTE	MAX	MAXIMUM	Q AVG	AVERAGE DAILY FLOW	TFA	TO FLOOR ABOVE	_	
CISP	CAST IRON SOIL PIPE	FPS	FEET PER SECOND	мсс	MOTOR CONTROL CENTER	Q MAX	MAXIMUM DAILY FLOW	TFB	TO FLOOR BELOW		
CJ	CONSTRUCTION JOINT	FRP	FIBERGLASS REINFORCED PLASTIC	MECH	MECHANICAL	Q PEAK	PEAK HOUR FLOW	TFF	TOP OF FINISH FLOOW		
CL	CENTER LINE OR CHAIN LINK	FT	FEET	MED	MEDIUM	QTR	QUARTER	TH	TEST HOLE		
CLR	CLEAR	FTG	FOOTING OR FITTING	MFM	MAGNETIC FLOW METER	QTY	QUANTITY	THD	THREAD (ED)	1	
CMP	CORRUGATED METAL PIPE	G	GAS	MFR	MANUFACTURER	RAD	RADIUS	ТНК	THICK	1	
CMU	CONCRETE MASONRY UNIT	GA	GAUGE	MG	MILLION GALLONS OR MILLIGRAMS	RC	REINFORCED CONCRETE	TJ	TOP OF JOIST	1	
СО	CLEAN OUT	GAL	GALLON	MGD	MILLION GALLONS PER DAY	RCP	REINFORCED CONCRETE PIPE	ТОА	TOP OF ASPHALT	-	
CONC		GALV	GALVANIZED	MGMT	MANAGEMENT	RD	ROOF DRAIN	тос	TOP OF CONCRETE OR TOP OF CURB		
CONC		GND	GROUND	MGMT	MANHOLE	RECT	RECTANGULAR	TOE	THREADED ONE END	-	
									TOP OF FOOTING	_	
		GPD	GALLONS PER DAY	MIN		RED	REDUCER	TOF		-	
CONT		GPM	GALONS PER MINUTE	MISC	MISCELLANEOUS	RE:	REFER TO	TOS	TOP OF STEEL	_	
COR	CORNER	GR	GRIT	MJ	MECHANICAL JOINT	REF	REFERENCE	TOW	TOP OF WALL		
CPLG		GRC	GALVANIZED RIGID CONDUIT	MNPT	MALE NATIONAL PIPE THREAD		REHABILITATION	TP	TOP OF PAVEMENT		
CPVC	CHLORINATED POLYVINYL CHLORIDE	GSP	GALVANIZED STEEL PIPE	MO	MASONRY OPENING	REINF	REINFORCE (D) (ING) (MENT)	TSL	TOP OF SLAB		
CTR	CENTER	GV	GATE VALVE	MRGB	MOISTURE RESISTANT GYPSUM WALL BOARD	REQD	REQUIRED	TSS	TOTAL SUSPENDED SOLIDS		
CV	CHECK VALVE	GW	GROUNDWATER	MTG	MOUNTING	RESIL	RESILIENT	TYP	TYPICAL		
CW	COLD WATER	GWB	GYPSUM WALL BOARD	NA	NOT APPLICABLE	RFCA	RESTRAINED FLANGED COUPLING ADAPTER	UBC	UNIFORM BUILDING CODE		
CY	CUBIC YARDS	GYP	GYPSUM	NIC	NOT IN CONTRACT	RH	RIGHT HAND	UGE	UNDERGROUND ELECTRIC	1	
DBIO	DEWATERED BIOSOLIDS	НВ	HOSE BIBB	NPL	NAMEPLATE	RM	ROOM	ULT	ULTIMATE	_	
DEMO		HDWL	HEADWALL	NPT	NATIONAL PIPE THREAD	RO	ROUGH OPENING	UN	UNION		
DIA	DIAMETER		HAND RAIL	NRS	NON-RISING STEM	ROW	RIGHT OF WAY	UNGD	UNDERGROUND	1	
			HAND WHEEL	NTS	NOT TO SCALE	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER	VB	VALVE BOX	-	
ЫМ							LEDUCED I NEUCONE DAONI LOVI FINEVENTEN			1	
DIM DIP	DIMENSION DUCTILE IRON PIPE		HORIZONTAL	ос	ON CENTER	RPM	REVOLUTIONS PER MINUTE	VCP	VITRIFIED CLAY PIPE	_	

+

7	8	9	10	11	12





	PROCESS DESIGNATORS	PIPE SYMBOLS		DISCIPLINE DESIGNATORS			
	PROCESS SHEETS (WASTEWATER)	DESIGNATOR	DESCRIPTION	SINGLE LINE	DOUBLE LINE	DISCIPLINE	DESIGNATOR
	NOTES, LEGEND, ABBREVIATIONS, DEMOLITION, EXISTING CONDITIONS, ETC.	0				GENERAL	G
	PRELIMINARY TREATMENT	1	EXISTING BURIED PIPE		¥Ó	HAZARDOUS MATERIALS	Н
VATION NUMBER	PRIMARY TREATMENT	2				INSTRUMENTATION	1
ET REFERENCE	BIOLOGICAL TREATMENT	3	EXISTING ABOVE GRADE PIPE			DEMOLITION	X
	SECONDARY TREATMENT	4	NEW BURIED PIPE		~	SURVEY/MAPPING	V
	TERTIARY TREATMENT	5			Ý	GEOTECHNICAL	В
	DISINFECTION AND EFFLUENT PUMPING	6				CIVIL	С
	SLUDGE STORAGE AND PROCESSING	7	NEW ABOVE GRADE PIPE			LANDSCAPE	L
FION NUMBER	MISCELLANEOUS SYSTEMS	8	WELDED JOINT			STRUCTURAL	S
J	DETAILS / SCHEDULES	9				ARCHITECTURAL	A
		FLANGED JOINT			FIRE PROTECTION	F	
ET REFERENCE	CIVIL DESIGNATORS	CIVIL DESIGNATORS				MECHANICAL	М
	CIVIL	DESIGNATOR	FLANGED ADAPTOR			PLUMBING	Р
TOR	NOTES, LEGEND, ABBREVIATIONS, DEMOLITION, EXISTING CONDITIONS, ETC.	0				PROCESS	D
NLARGED PLAN/DETAIL NUMBER	SITE PLAN AND GEOMETRIC CONTROLS	1	FLANGED COUPLING			ELECTRICAL	E
	GRADING AND DRAINAGE	2					
HEET REFERENCE	UTILITIES/YARD PIPING	3	MECHANICAL JOINT			GENERAL NOTES	
	ROAD PLAN AND PROFILES (IF REQUIRED)	4					D TO CAREFULLY EXAMINE THE PL
REA ENLARGED	ROAD CROSS SECTIONS (IF REQUIRED)	5	JOINT			PROPOSAL AND SITE OF THE W	ORK. THEREFORE, IT WILL BE ASSU
	SEDIMENT AND EROSION CONTROL	6				BE ENCOUNTERED IN REGARD	ED HIMSELF AS TO THE CONDITION S TO THE CHARACTER, QUALITY,
	RESERVED	7	EXPANSION JOINT				PERFORMED AND MATERIALS TO IE REQUIREMENTS OF THE PL
	RESERVED	8					PROVISIONS AND CONTRACT.

CIVIL DESIGNATORS	
CIVIL	DESIGNATOR
NOTES, LEGEND, ABBREVIATIONS, DEMOLITION, EXISTING CONDITIONS, ETC.	0
SITE PLAN AND GEOMETRIC CONTROLS	1
GRADING AND DRAINAGE	2
UTILITIES/YARD PIPING	3
ROAD PLAN AND PROFILES (IF REQUIRED)	4
ROAD CROSS SECTIONS (IF REQUIRED)	5
SEDIMENT AND EROSION CONTROL	6
RESERVED	7
RESERVED	8
DETAILS / SCHEDULES	9

### OWNER

OMILIN			
DESCRIPTION	NAME	PHONE NUMBER	EMAIL ADDRESS
CITY MANAGER	MATTHEW HAILEY	706.423.5125	MHAILEY@COMMERCEGA.GOV
WWTP SUPERINTENDENT	TAD EDMONSON	770.374.3288	TEDMONSON@COMMERCEGA.GOV

## CONTRACTOR

DESCRIPTION	NAME	PHONE NUMBER	EMAIL ADDRESS
PROJECT MANAGER	TBD		
SUPERINTENDENT	TBD		
ENGINEER			
DESCRIPTION	NAME	PHONE NUMBER	EMAIL ADDRESS
PROJECT MANAGER	CHARLES WELCH	770.952.2481 EXT. 103	CHARLES.WELCH@GMCNETWO RK.COM
ENGINEER	GRAHAM SIZEMORE, PE	770.952.2481 EXT. 143	GRAHAM.SIZEMORE@GMCNETW ORK.COM

4

LIGINELK			
DESCRIPTION	NAME	PHONE NUMBER	EMAIL ADDRESS
PROJECT MANAGER	CHARLES WELCH	770.952.2481 EXT. 103	CHARLES.WELCH@GMCNETWO RK.COM
ENGINEER	GRAHAM SIZEMORE, PE	770.952.2481 EXT. 143	GRAHAM.SIZEMORE@GMCNETW ORK.COM
INSPECTOR	TONY VAN DE RYT	770.952.2481 EXT. 110	TONY.VANDERYT@GMCNETWOR K.COM

5

7	8	9	ı 10	11	12

HATCHING LEGEND		
DESCRIPTION	EXISTING	PROPOSED
ASPHALT PAVING (PLAN)		
ALUMINUM GRATING		
CONCRETE (ELEVATION)		
CONCRETE (PLAN)		
CONCRETE (SECTION)		
CRUSHED STONE (SECTION)		
EARTH OR BACKFILL (SECTION)		
GRAVEL DRIVE (PLAN)		
GROUT FILL (PLAN & SECTION)		
LAKE, RIVER OR POND (PLAN)		
REMOVAL OR DEMOLITION (PLAN & SECTION)		
UNPAVED DRIVE (PLAN)		

- BID.

SUBMISSION OF A PROPOSAL BY A BIDDER WILL BE CONSIDERED PRIMA FACIE EVIDENCE THAT THE BIDDER HAS MADE SUCH AN EXAMINATION.

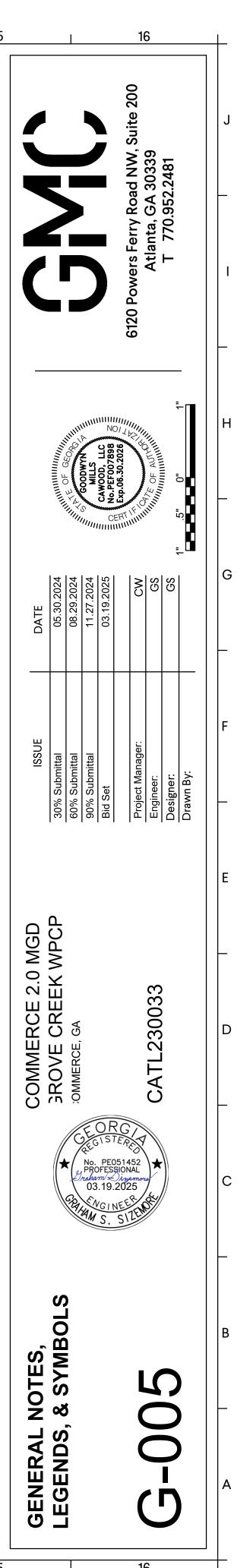
2. THE CONTRACTOR IS REQUIRED TO MAINTAIN AN AS-BUILT SET OF DRAWINGS DURING PROJECT CONSTRUCTION. THE COMPLETE AS-BUILT MAP WILL CONTAIN ALL INSTALLED ELECTRICAL, STRUCTURAL ENTITIES, LINES, VALVES, METERS, AND CONNECTIONS WITH REFERENCE DISTANCES TO PERMANENT ABOVE GROUND STRUCTURES.

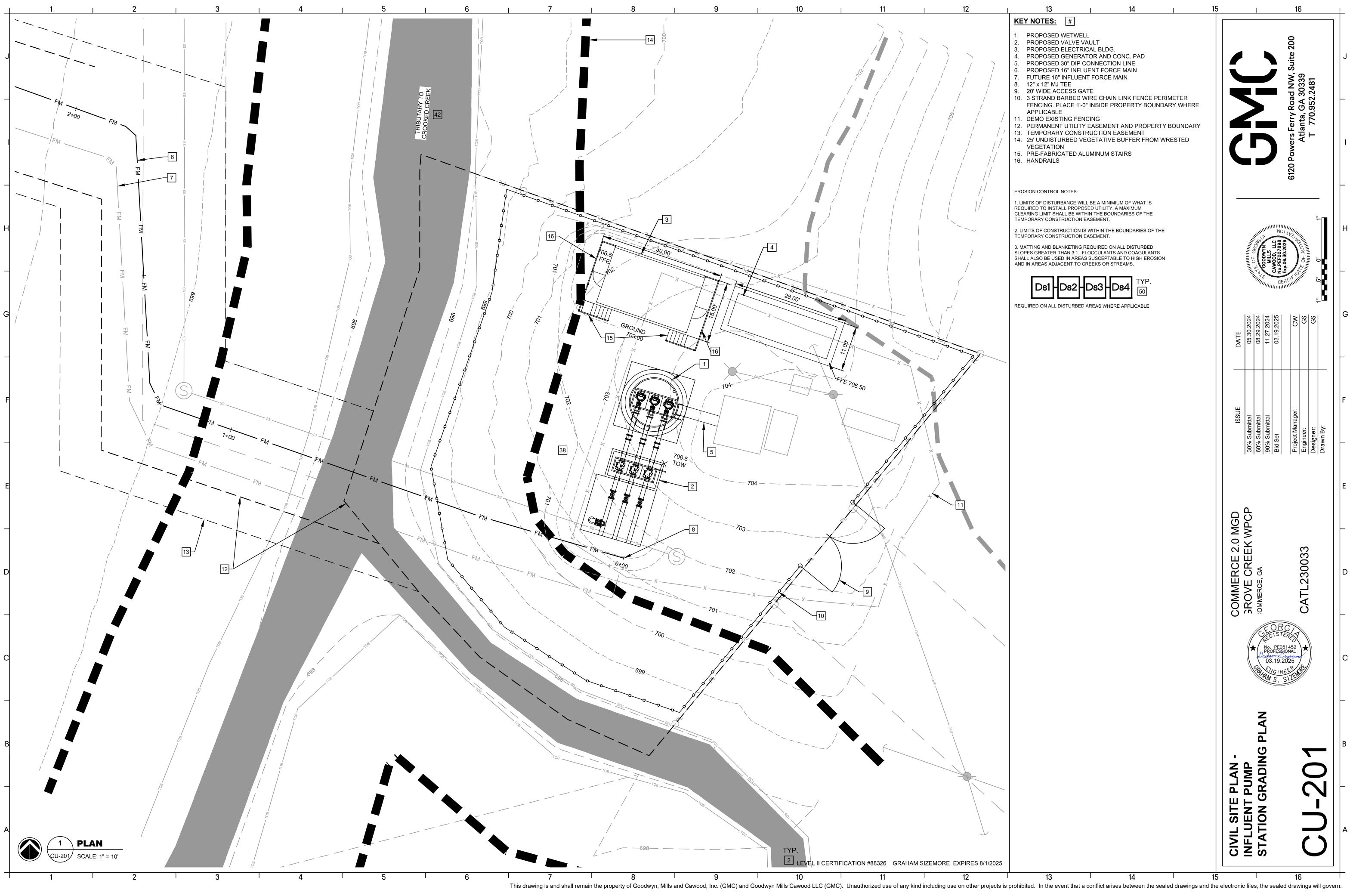
3. ALL EXISTING UTILITIES SHOWN ABOVE AND BELOW GROUND ARE APPROXIMATE AND ARE NOT NECESSARILY ALL THAT EXIST. THE DETERMINATION OF THE EXISTENCE, LOCATION, AND DEPTH OF ALL UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

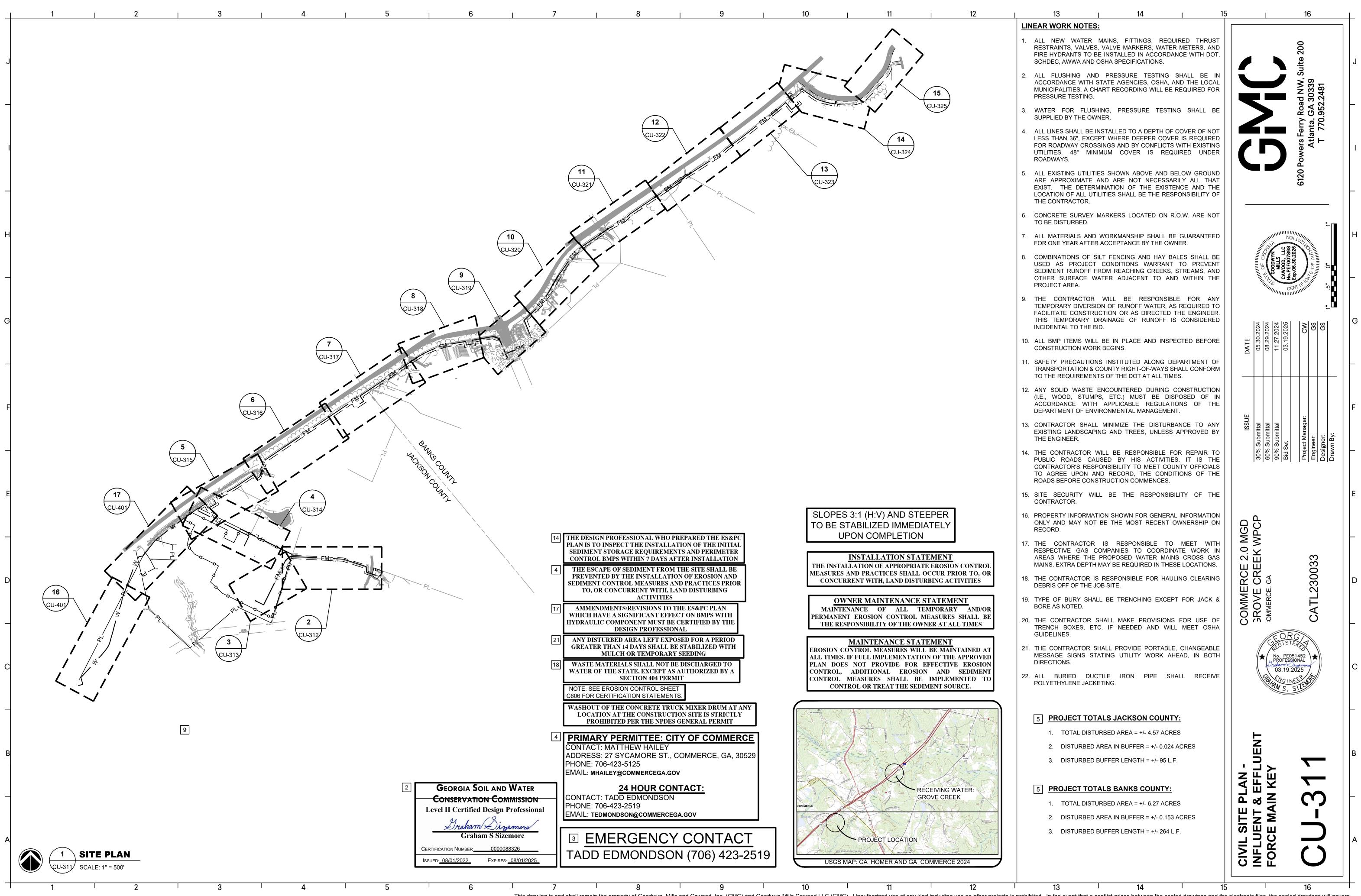
4. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED BY CONTRACTOR FOR ONE YEAR AFTER ACCEPTANCE BY THE OWNER PER SPECIFICATION 1030.

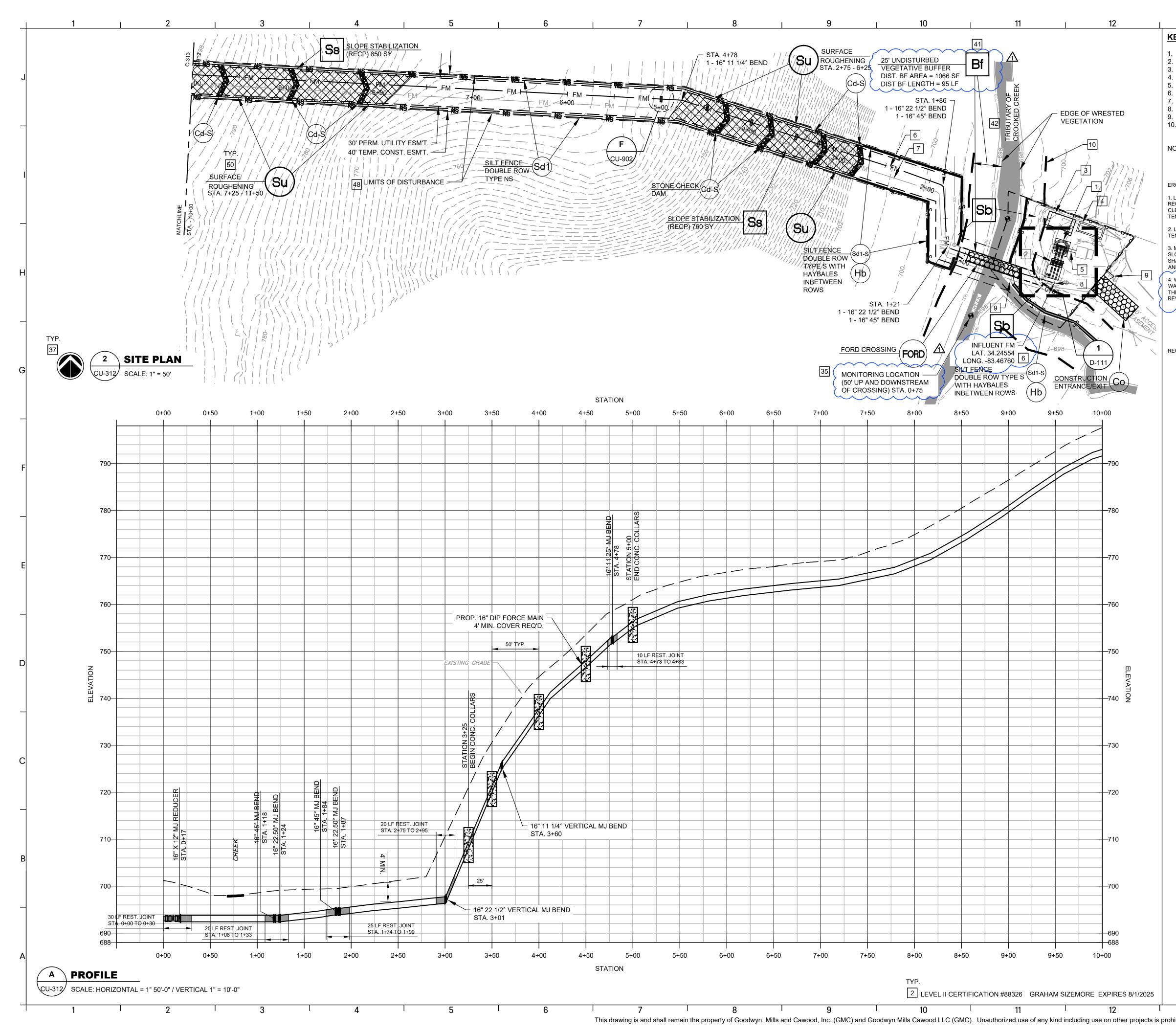
5. IN THE EVENT THAT THERE IS A DISCREPANCY BETWEEN THE CIVIL DRAWINGS AND THE ARCHITECTURAL/STRUCTURAL DRAWINGS, THE ARCHITECTURAL/STRUCTURAL DRAWINGS SHALL HAVE PRECEDENCE. THE CONTRACTOR SHALL ADVISE THE ENGINEER OF ANY CONFLICT IN THE PLANS/SPECS FOR CLARIFICATION PRIOR TO BID. SHOULD CONFLICTING DOCUMENTS NOT BE CLARIFIED AT THE REQUEST OF THE BIDDING CONTRACTOR, THE MORE COSTLY ALTERNATIVE AS IDENTIFIED IN THE PLAN & SPECS SHALL BE INCLUDED IN THE PRICE

6. ALL HAZARDOUS SUBSTANCES USED FOR THIS PROJECT, INCLUDING, BUT NOT LIMITED TO, PAINT, OIL, GREASE, AND OTHER PETROLEUM PRODUCTS SHALL BE STORED IN ACCORDANCE WITH "SPILL PREVENTION, CONTROL & COUNTERMEASURE" REGULATIONS. THESE SUBSTANCES SHALL BE STORED AWAY FROM STORM DRAINS, DITCHES, AND GUTTERS IN WATERTIGHT CONTAINERS. DISPOSAL OF THESE SUBSTANCES SHALL BE IN ACCORDANCE WITH STATE & FEDERAL AGENCY REGULATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRASH CONTAINERS ON SITE FOR THE DISPOSAL OF CONSTRUCTION MATERIALS WASTE. CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING ANY TRASH OR OTHER POLLUTANTS FROM ENTERING STORM DRAINS & WATERS OF THE STATE.

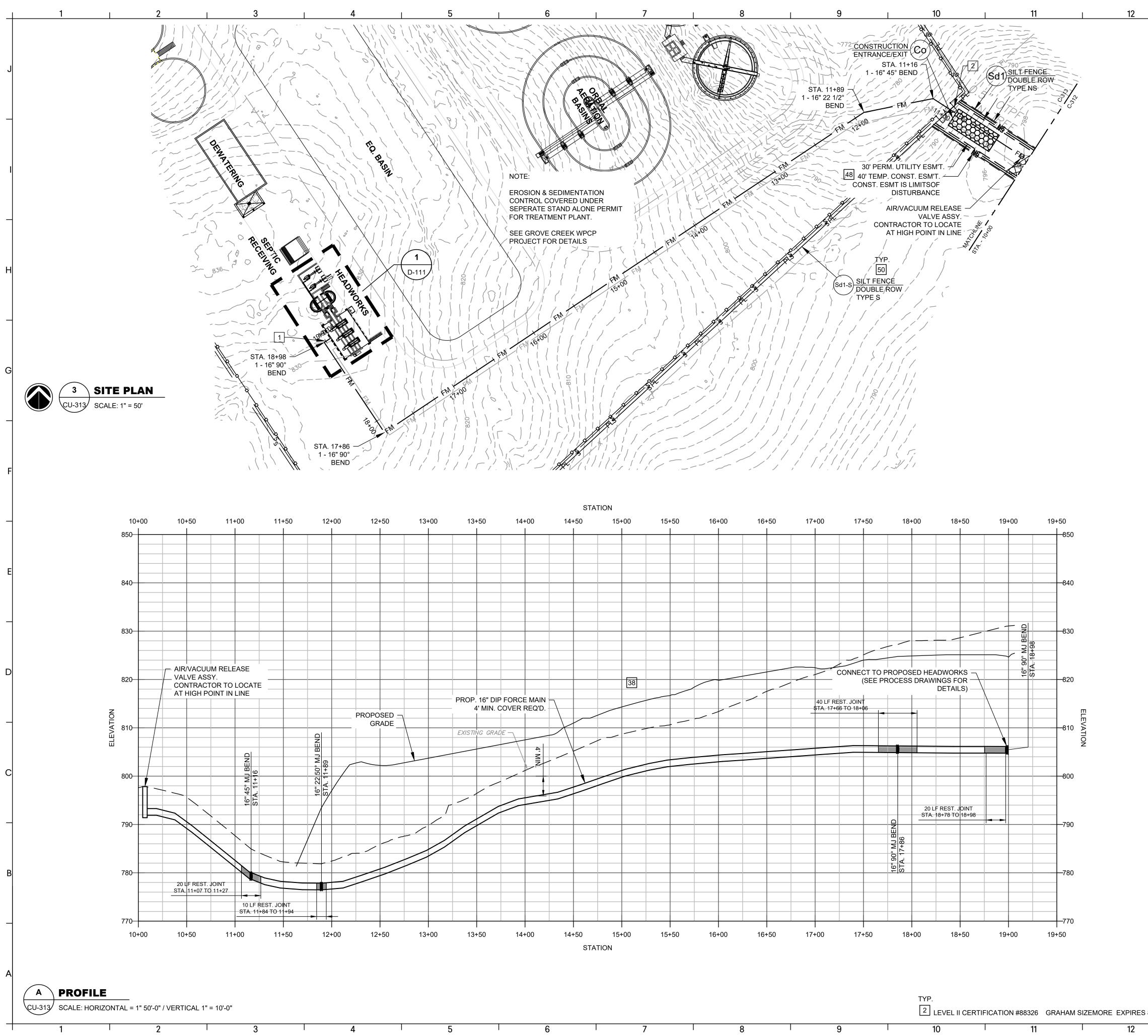








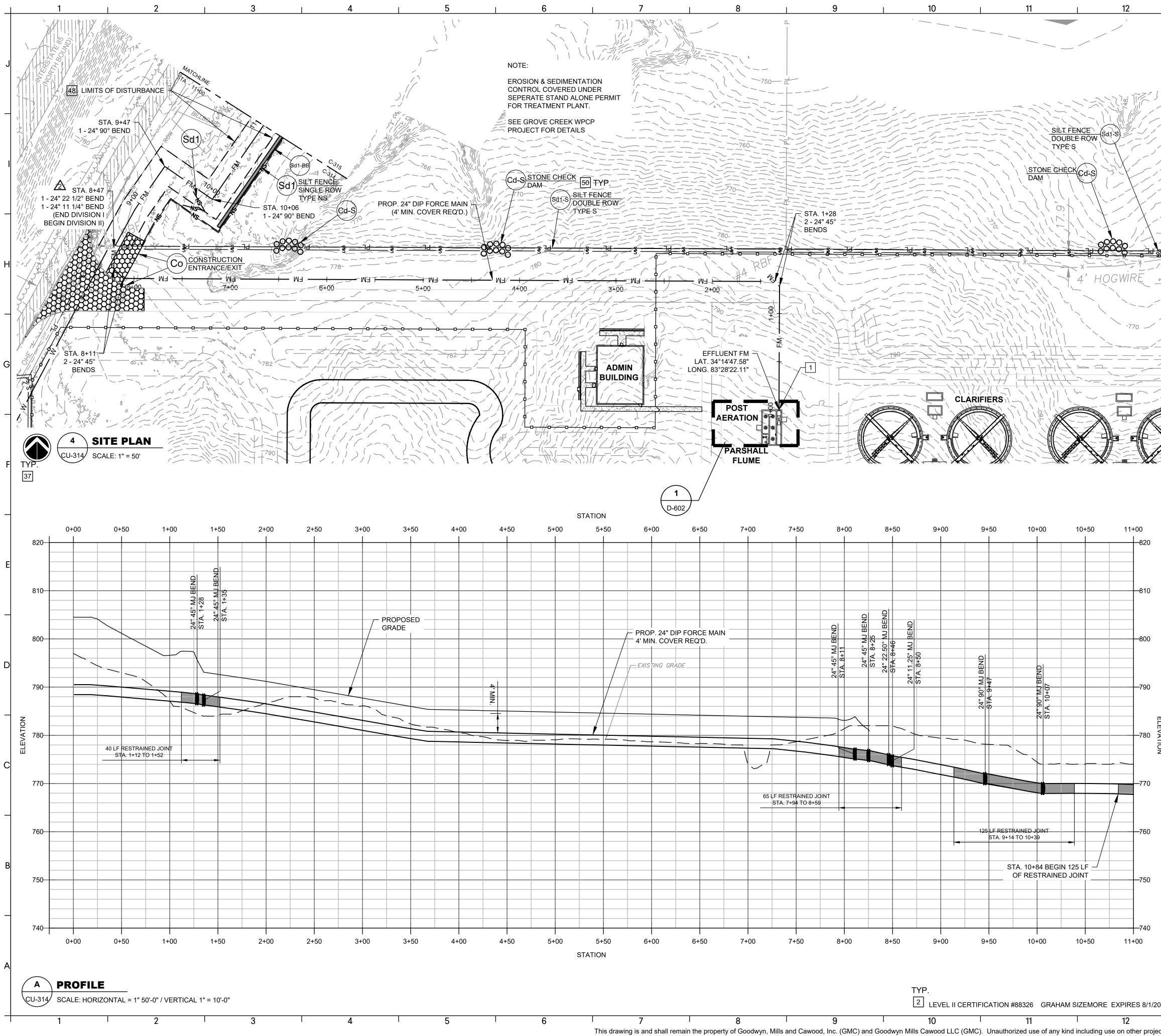
15 16	_
6120 Powers Ferry Road NW, Suite 200 Atlanta, GA 30339 Atlanta, GA 30339 T 770.952.2481	
A PARTIE OF GEODWYN WINNINNINNINNINNINNINNINNINNINNINNINNINN	ŀ
DATE DATE 05.30.2024 08.29.2024 11.27.2024 03.19.2025 CW GS GS	
ISSUE ISSUE 30% Submittal 60% Submittal 60% Submittal Bid Set Bid Set Project Manager: Engineer: Designer: Drawn By:	F
COMMERCE 2.0 MGD SROVE CREEK WPCP SROVE CREEK WPCP SROVE CREEK WPCP SROVE CREEK WPCP SROVE CREEK WPCP SROVE CREEK WPCP SROVE S	E
CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CU-312	Ē
	ML SITE PLAN -       SILE       DATE         ML SITE PLAN -       SCOMMERCE 2.0 MGD       SILE       DATE         FLUENT FORCE MAIN       SROVE CREEK WPCP       SNOVE CREEK WPCP       DATE         TATION 0+00 TO 10+00       SOVE CREEK WPCP       SNOVE CREEK WPCP       DATE         ML SITE PLAN -       SROVE CREEK WPCP       SNOVE CREEK WPCP       DATE         MATION 0+00 TO 10+00       SOVE CREEK WPCP       DATE       DATE         MATION 0+00 TO 10+00       SUP DATE       DATE       DATE         MATION 0+00 TO 10+00       DATE       DATE       DATE         MA



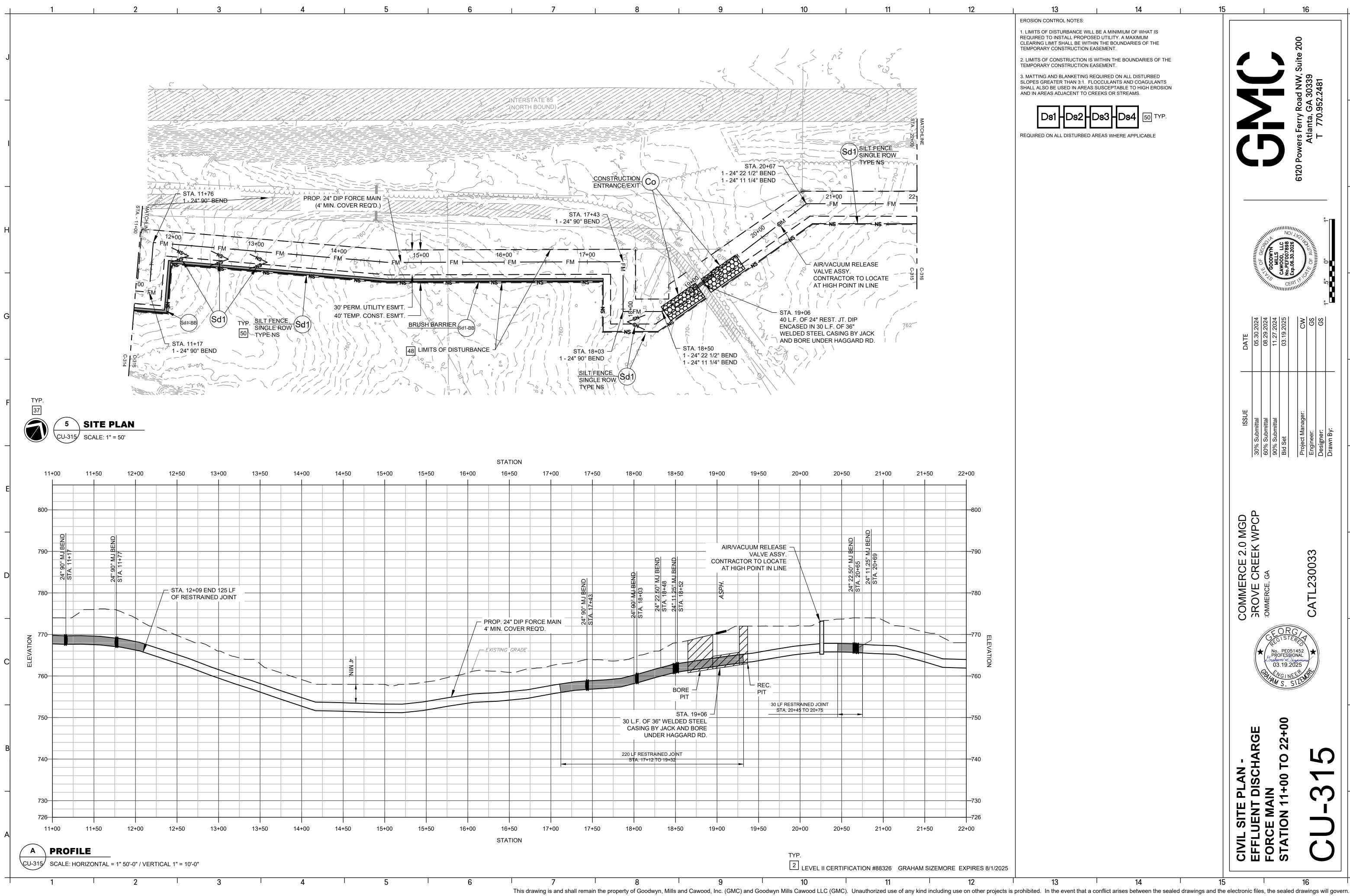
2 LEVEL II CERTIFICATION #88326 GRAHAM SIZEMORE EXPIRES 8/1/2025

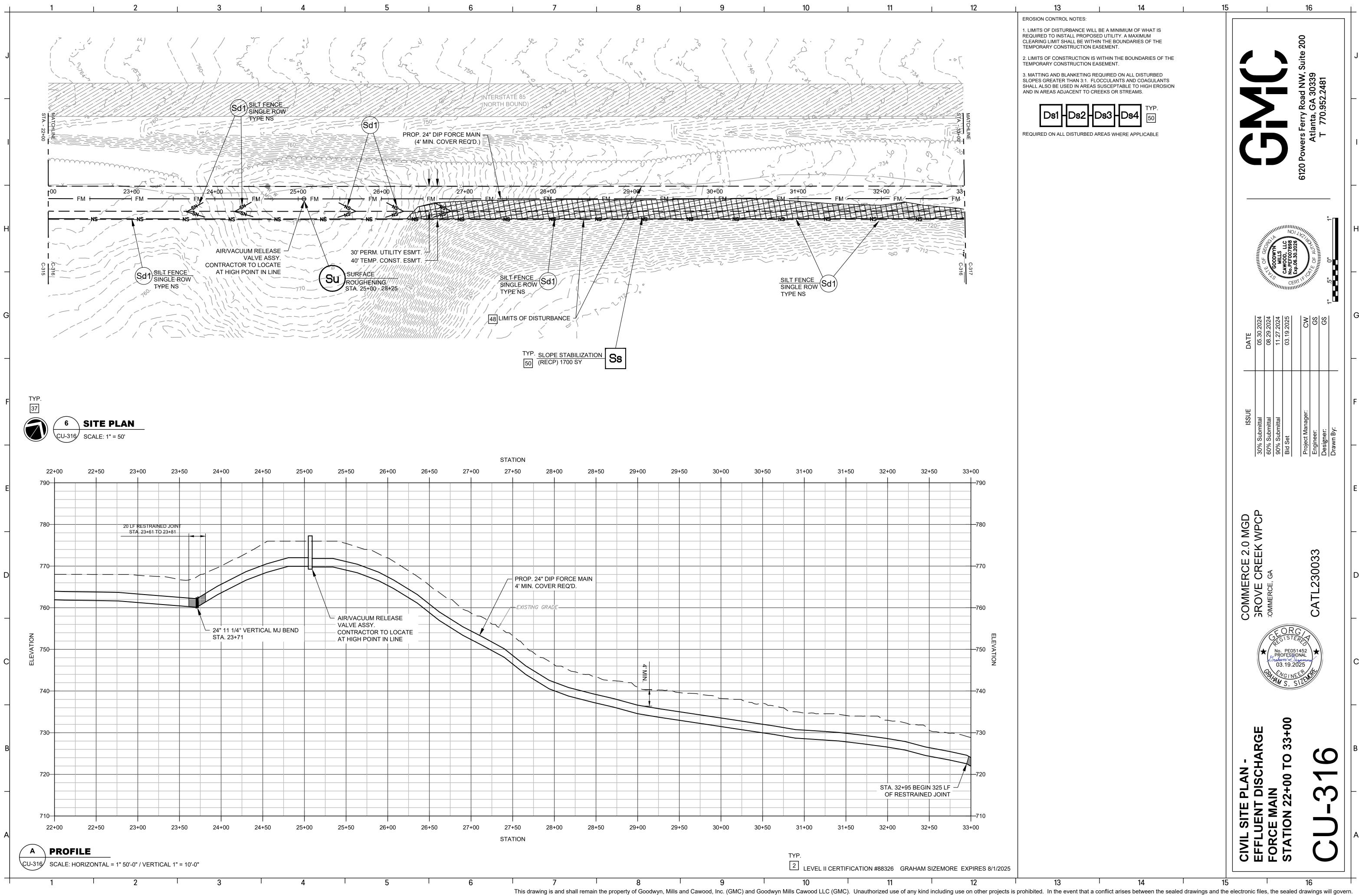
This drawing is and shall remain the property of Goodwyn, Mills and Cawood, Inc. (GMC) and Goodwyn Mills Cawood LLC (GMC). Unauthorized use of any kind including use on other projects is

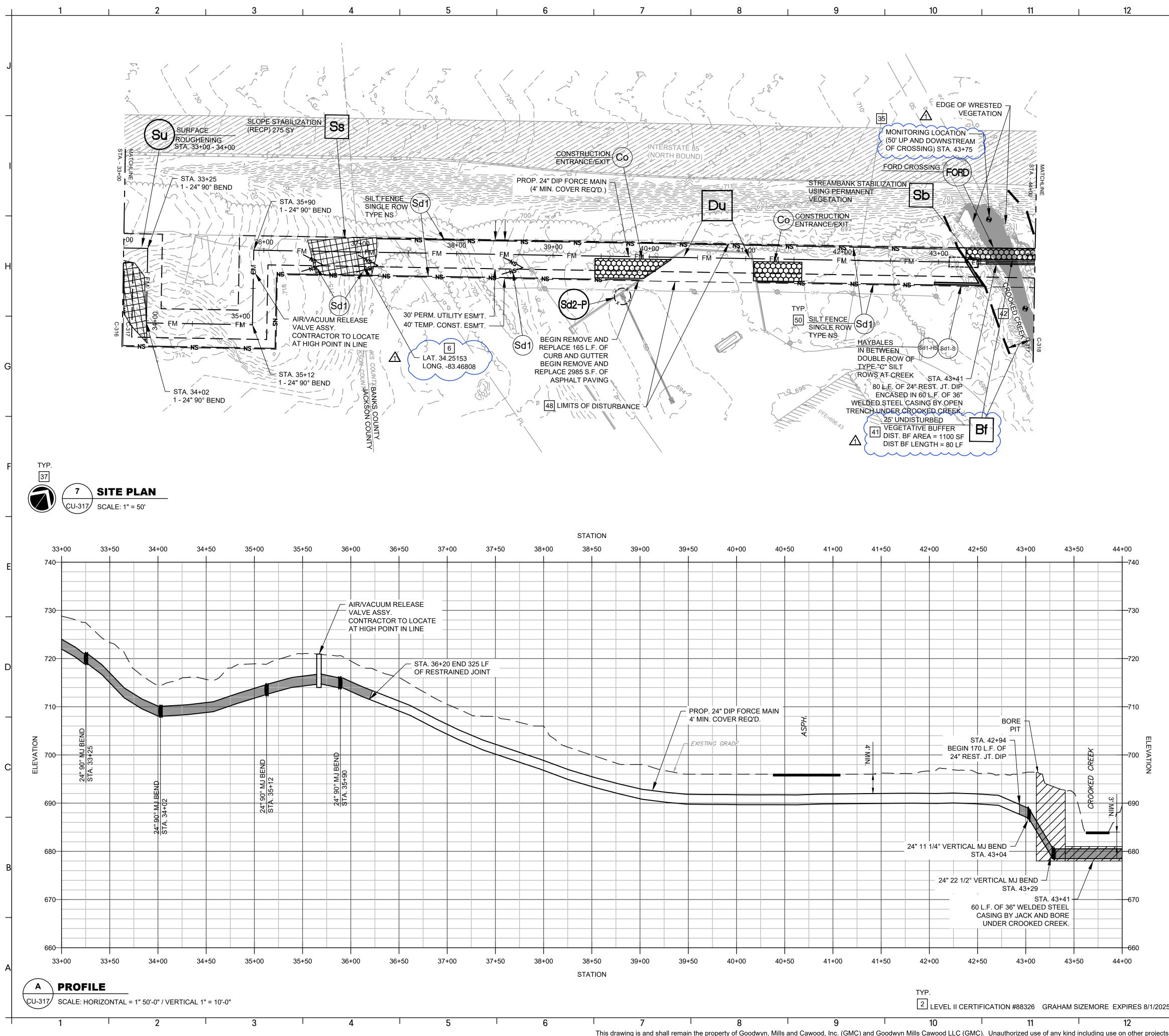
<u>13   14</u>	<u>  15   16</u>
<ul> <li>KEY NOTES: #</li> <li>1. CONNECT TO PROPOSED HEADWORKS</li> <li>2. 20' WIDE ACCESS GATE</li> </ul> EROSION CONTROL NOTES: <ol> <li>1. LIMITS OF DISTURBANCE WILL BE A MINIMIUM OF WHAT IS REQUIRED TO INSTALL PROPOSED UTILITY. A MAXIMUM (LEARING LIMIT SHALL BE WITHIN THE BOUNDARIES OF THE TEMPORARY CONSTRUCTION EASEMENT.</li> <li>2. LIMITS OF CONSTRUCTION IS WITHIN THE BOUNDARIES OF THE TEMPORARY CONSTRUCTION EASEMENT.</li> <li>3. MATTING AND BLANKETING REQUIRED ON ALL DISTURBED SLOPES GREATER THAN 3:1. FLOCCULANTS AND COAGULANTS SHALL ALSO BE USED IN AREAS SUSCEPTABLE TO HIGH EROSION AND IN AREAS ADJACENT TO CREEKS OR STREAMS.</li> <li>4. SEE SITE PLAN FOR EROSION CONTROL MEASURES INSIDE TREATMENT PLANT FENCE.</li> </ol> EQUIRED ON ALL DISTURBED AREAS WHERE APPLICABLE	Good Solution       Good Solution
	T 5 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	DATE DATE 05.30.2024 08.29.2024 11.27.2024 03.19.2025 03.19.2025 CW GS
	ISSUE ISSUE 30% Submittal 60% Submittal 90% Submittal Bid Set Bid Set Project Manager: Engineer: Drawn By:
	Carlsons Car
	CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00 CU-313



	13   14	15	16
	KEY NOTES: # 1. CONNECT TO PROPOSED POST AERATION BASIN EROSION CONTROL NOTES: 1. LIMITS OF DISTURBANCE WILL BE A MINIMIUM OF WHAT IS REQUIRED TO INSTALL PROPOSED UTILITY. A MAXIMUM CLEARING LIMIT SHALL BE WITHIN THE BOUNDARIES OF THE TEMPORARY CONSTRUCTION EASEMENT. 2. LIMITS OF CONSTRUCTION IS WITHIN THE BOUNDARIES OF THE TEMPORARY CONSTRUCTION EASEMENT. 3. MATTING AND BLANKETING REQUIRED ON ALL DISTURBED SLOPES GREATER THAN 3:1. FLOCCULANTS AND COAGULANTS SHALL ALSO BE USED IN AREAS SUSCEPTABLE TO HIGH EROSION AND IN AREAS ADJACENT TO CREEKS OR STREAMS. 4. SEE SITE PLAN FOR EROSION CONTROL MEASURES INSIDE TREATMENT PLANT FENCE. Dal data data data data data data data da		6120 Powers Ferry Road NW, Suite 200 Atlanta, GA 30339 T 770.952.2481
			The of Goodwyn with the of Anthon the of A
		DATE	08.29.2024 08.29.2024 11.27.2024 03.19.2025 CW GS GS
		ISSUE	60% Submittal 90% Submittal Bid Set Project Manager: Engineer: Designer: Drawn By:
ELEVATION		COMMERCE 2.0 MGD	CATL230033 CATL230033 CATL230033 Mon Encontraction Mon March M
025		CIVIL SITE PLAN -	
ects is	13 I 14 prohibited. In the event that a conflict arises between the sealed	15 d drawings and the electronic fil	les, the sealed drawings will govern

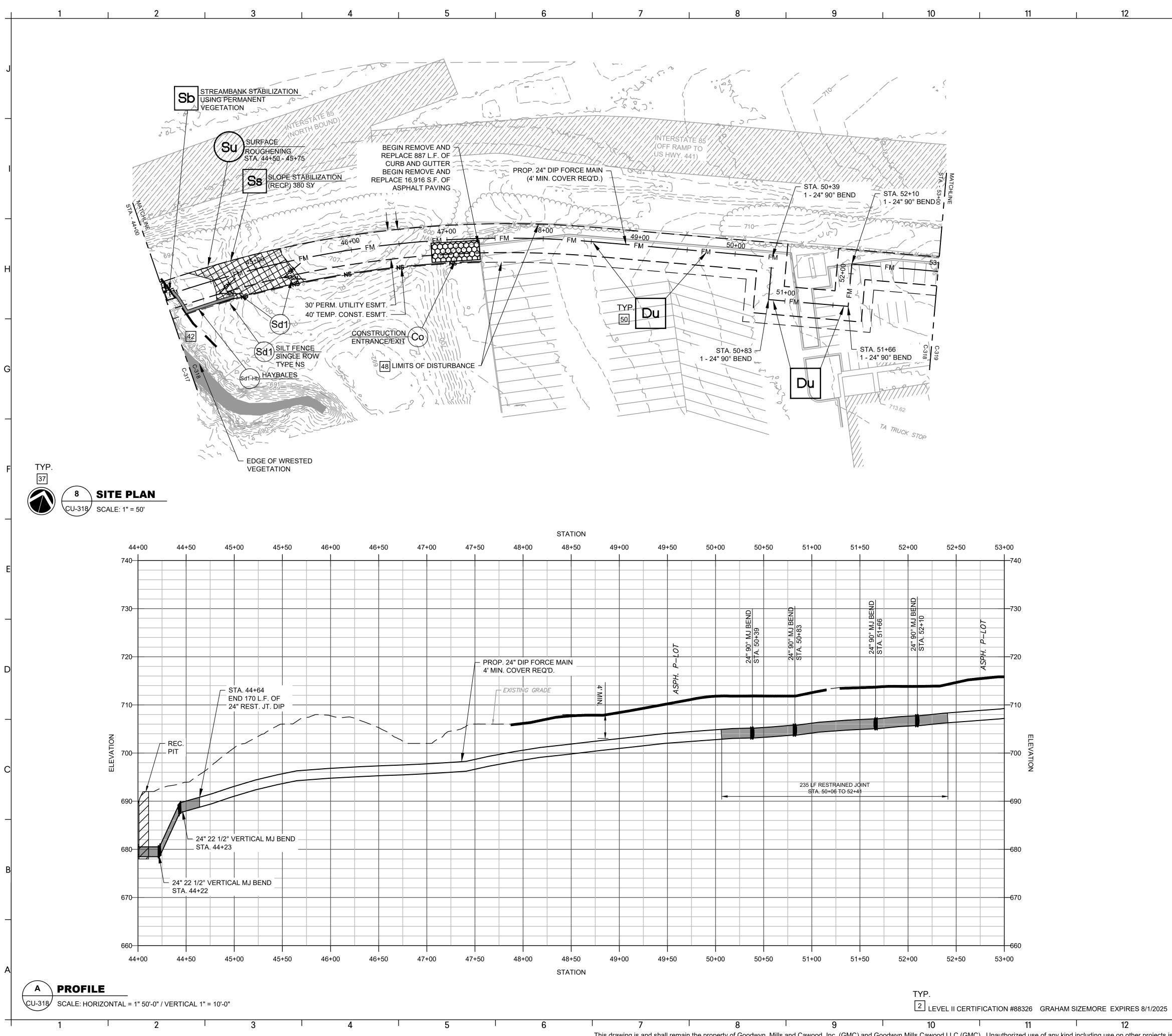




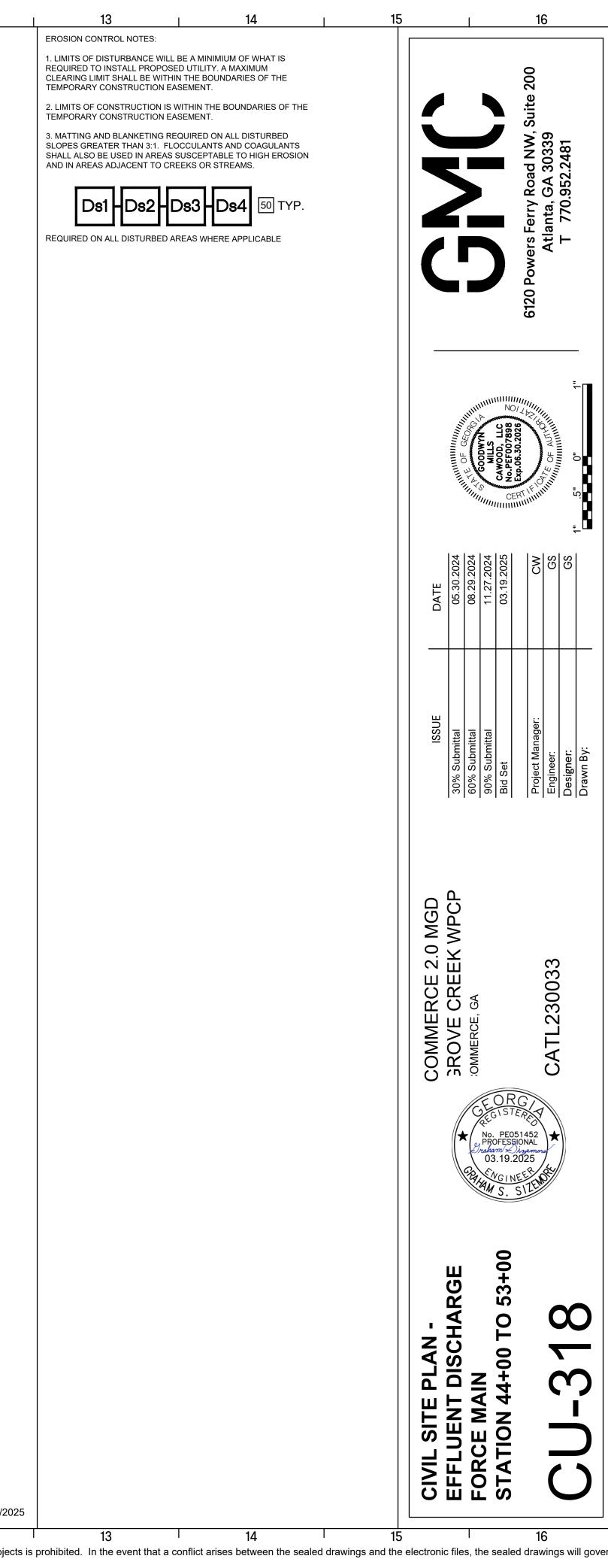


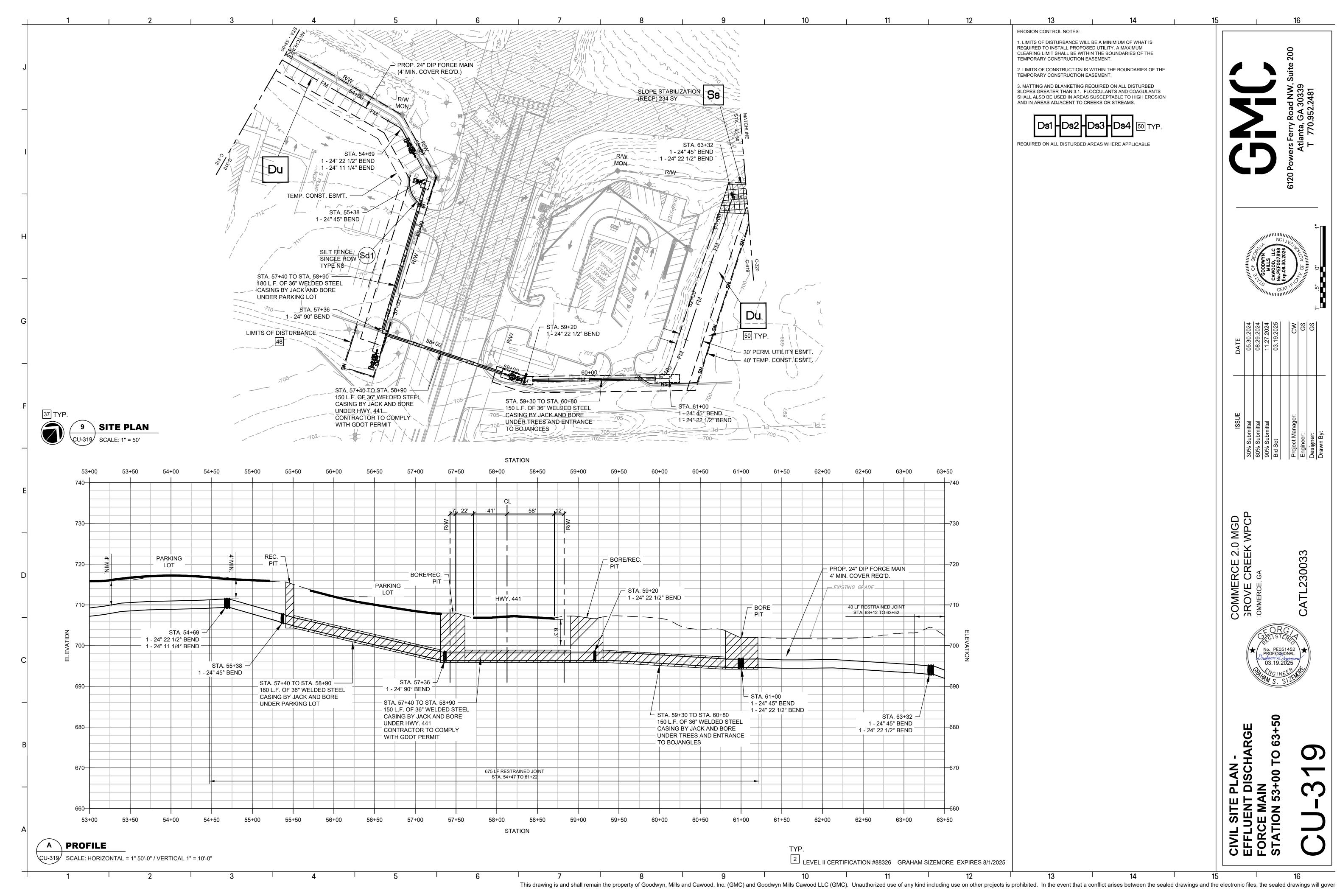
This drawing is and shall remain the property of Goodwyn, Mills and Cawood, Inc. (GMC) and Goodwyn Mills Cawood LLC (GMC). Unauthorized use of any kind including use on other projects wings will gover ings a

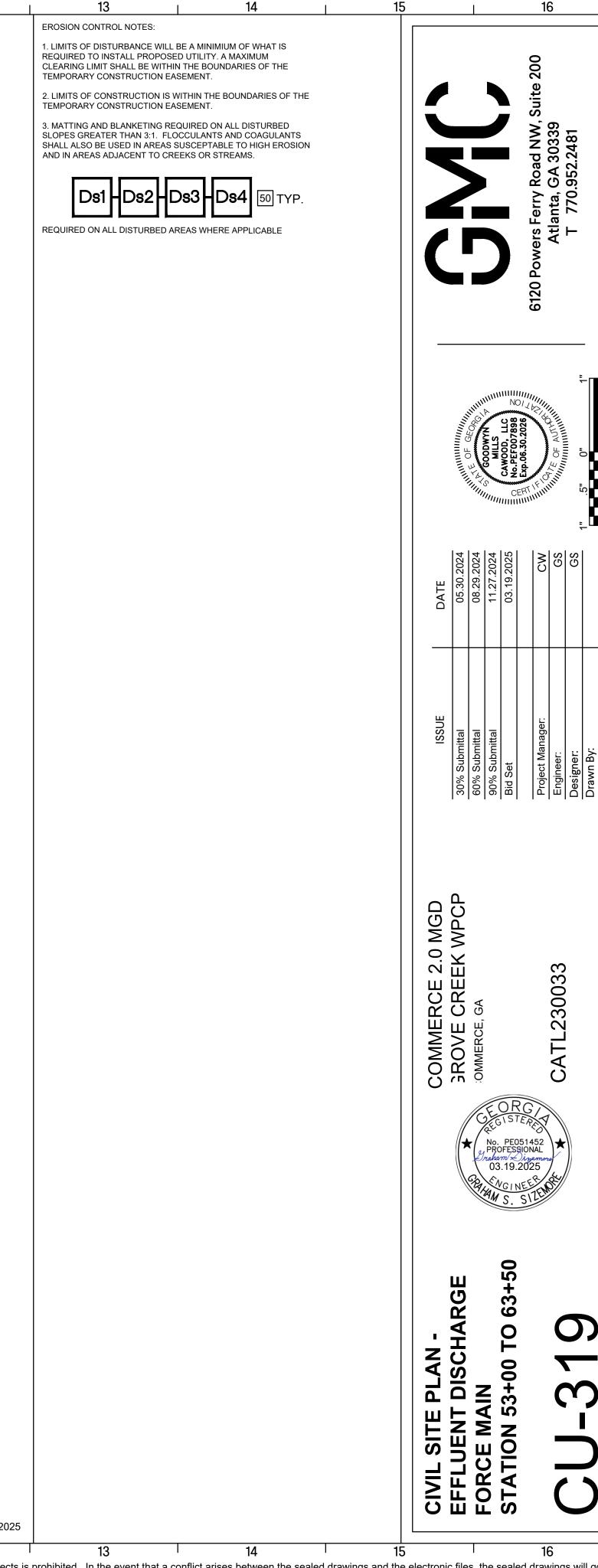
13   14	<u>15   16</u>
EROSION CONTROL NOTES: 1. LIMITS OF DISTURBANCE WILL BE A MINIMIUM OF WHAT IS REQUIRED TO INSTALL PROPOSED UTILITY. A MAXIMUM CLEARING LIMIT SHALL BE WITHIN THE BOUNDARIES OF THE TEMPORARY CONSTRUCTION EASEMENT. 2. LIMITS OF CONSTRUCTION IS WITHIN THE BOUNDARIES OF THE TEMPORARY CONSTRUCTION EASEMENT. 3. MATTING AND BLANKETING REQUIRED ON ALL DISTURBED SLOPES GREATER THAN 3:1. FLOCCULANTS AND COAGULANTS SHALL ALSO BE USED IN AREAS SUSCEPTABLE TO HIGH EROSION AND IN AREAS ADJACENT TO CREEKS OR STREAMS. 4. WORK WITHIN PROTECTED AREAS, SUCH AS WITHIN STATE WATERS BUFFERS OR WETLANDS, SHALL NOT TAKE PLACE UNTIL THE EPD HAS GRANTED APPROVAL, WHICH WOULD THEN BE REVIEWED BY THE LIA. <b>DISTUPPED TO STUPPED AREAS</b> WHERE APPLICABLE REQUIRED ON ALL DISTURBED AREAS WHERE APPLICABLE	6120 Powers Ferry Road NW, Suite 200 Atlanta, GA 30339 T 770.952.2481
	2024 2024 2024 2024 2025 CW CW CW CW CS CS CS CS CS CS CS CS CS CS CS CS CS
	DATE DATE 05.30.2024 08.29.2024 11.27.2024 03.19.2025 03.19.2025 6S 6S
	ISSUE ISSUE 30% Submittal 60% Submittal 90% Submittal Bid Set Bid Set Project Manager: Engineer: Drawn By:
	COMMERCE 2.0 MGD SROVE CREEK WPCP SROVE CREEK WPCP SROVE CREEK WPCP SCIT23033 CATL23033
	CIVIL SITE PLAN - CIVIL SITE PLAN - EFFLUENT DISCHARGE FORCE MAIN STATION 33+00 TO 44+00 CUJ3777

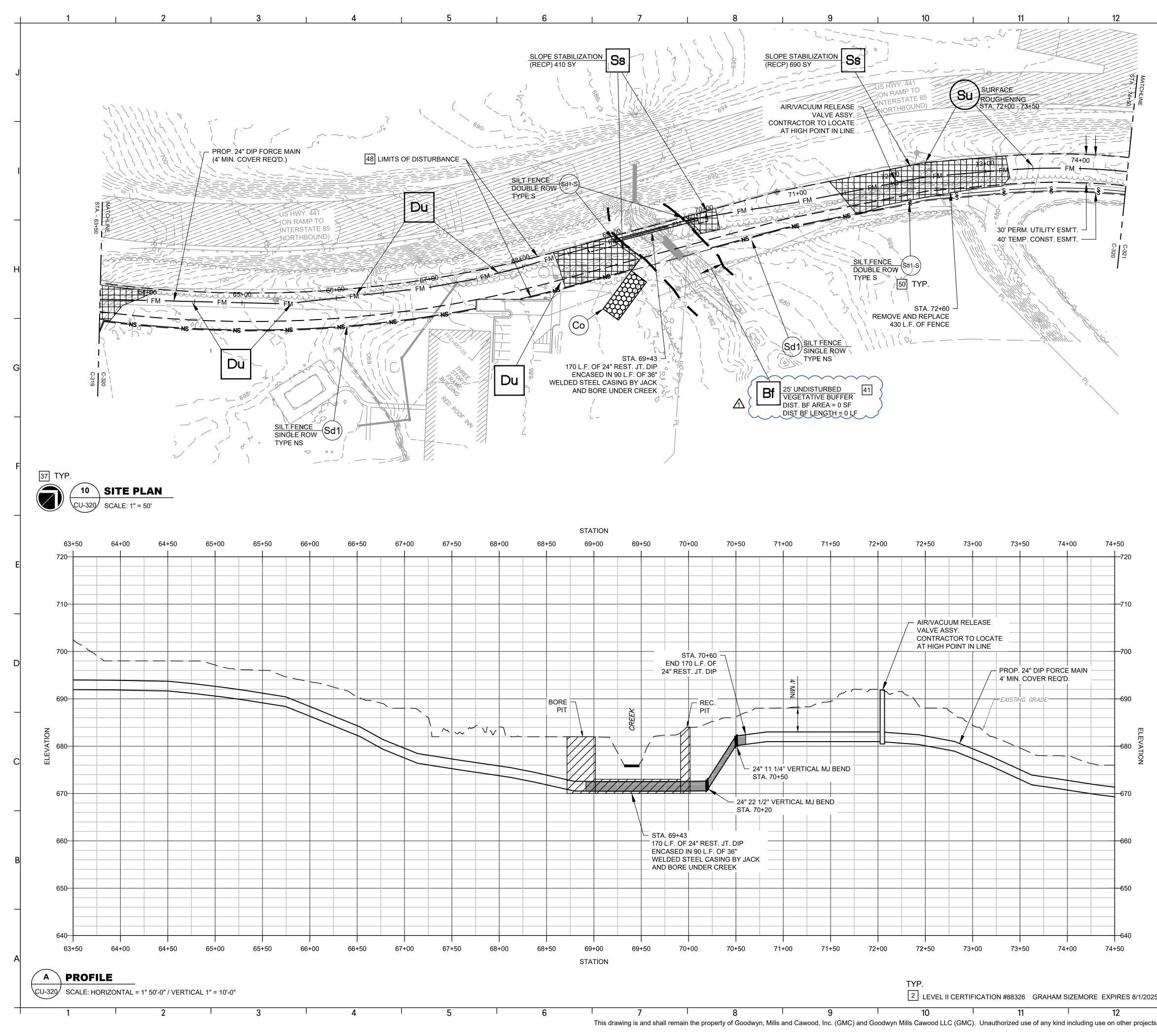


This drawing is and shall remain the property of Goodwyn, Mills and Cawood, Inc. (GMC) and Goodwyn Mills Cawood LLC (GMC). Unauthorized use of any kind including use on other projects is prohibited. In the event that a conflict arises between the sealed drawings and the electronic files, the sealed drawings will govern.

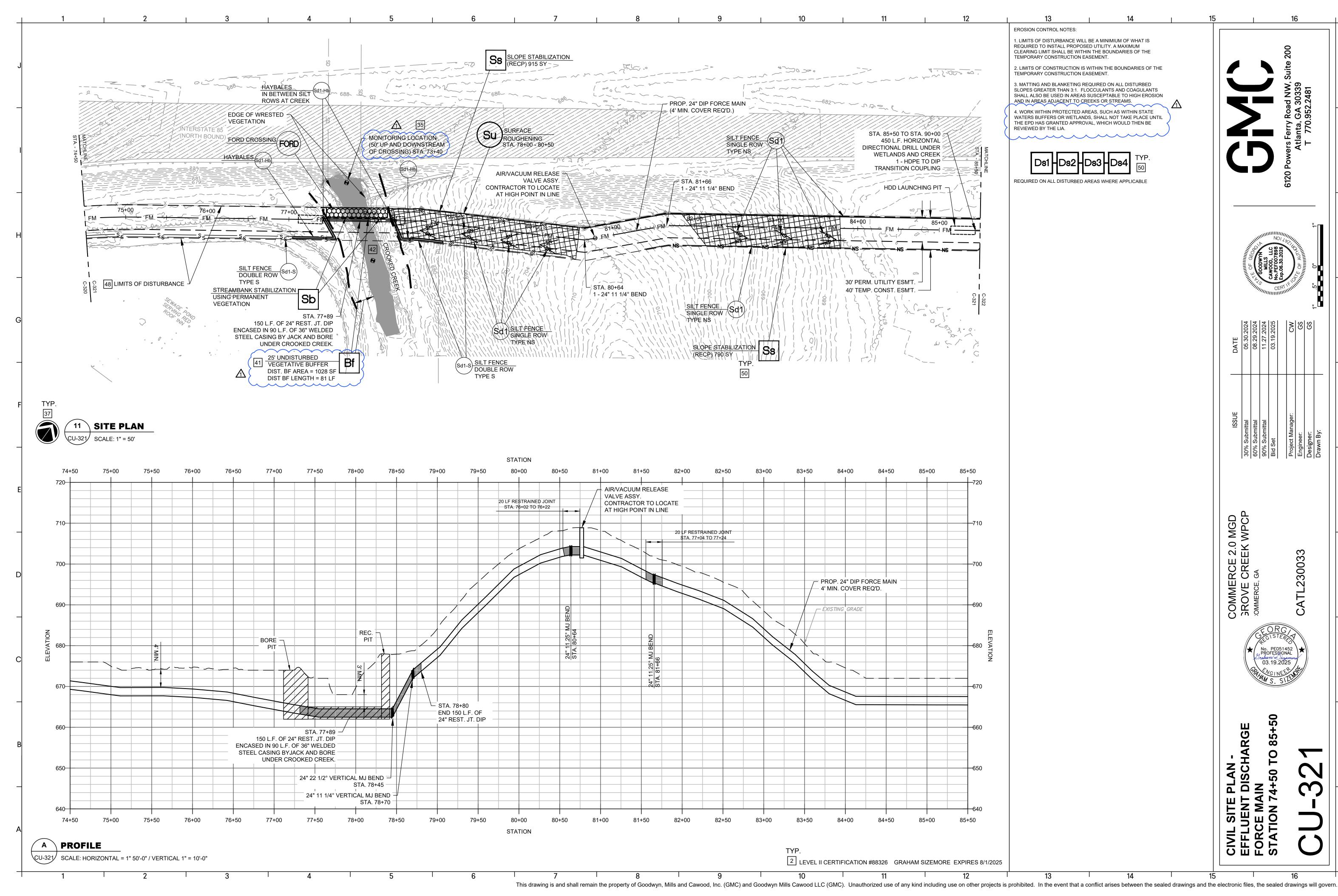




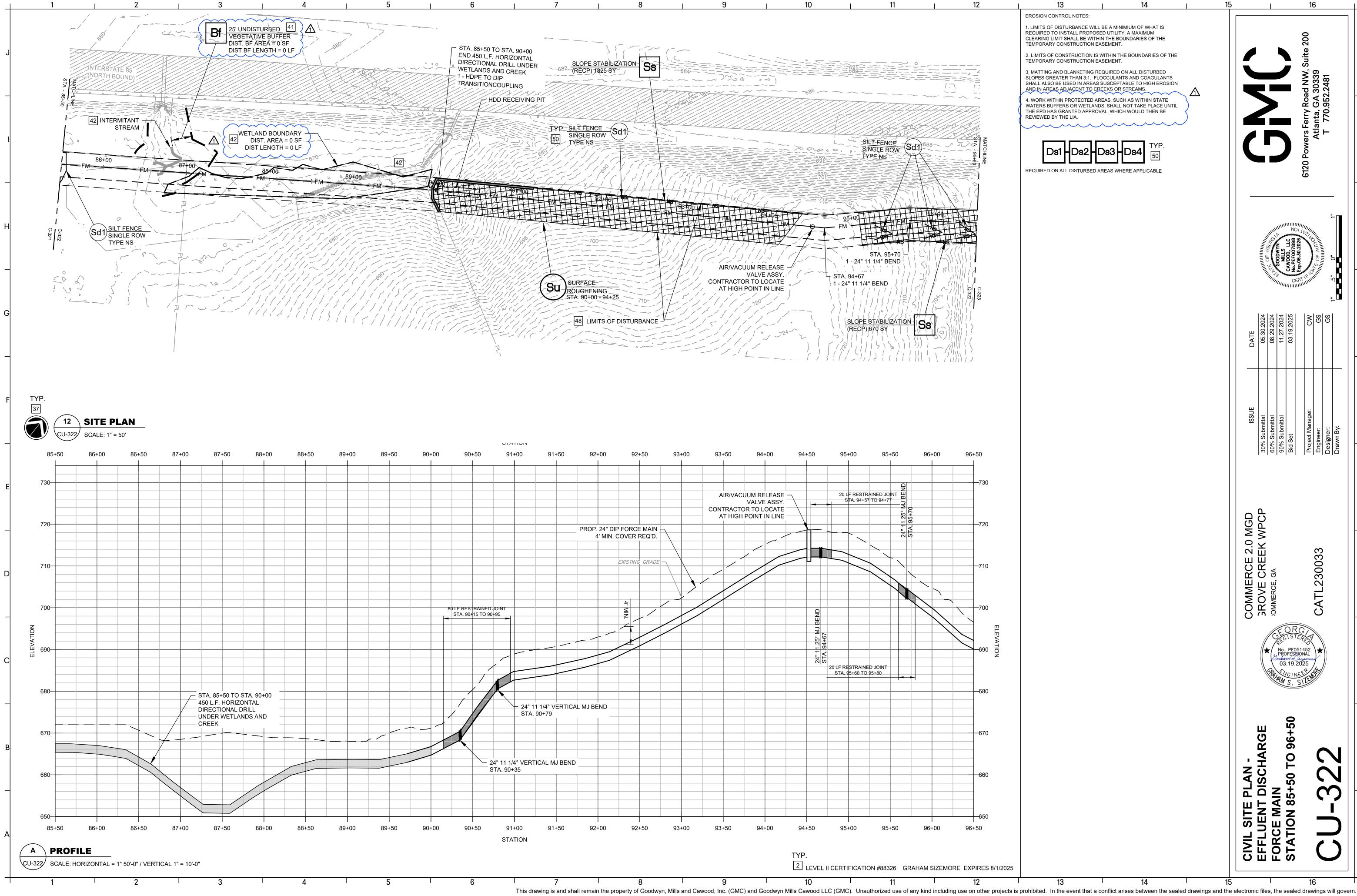




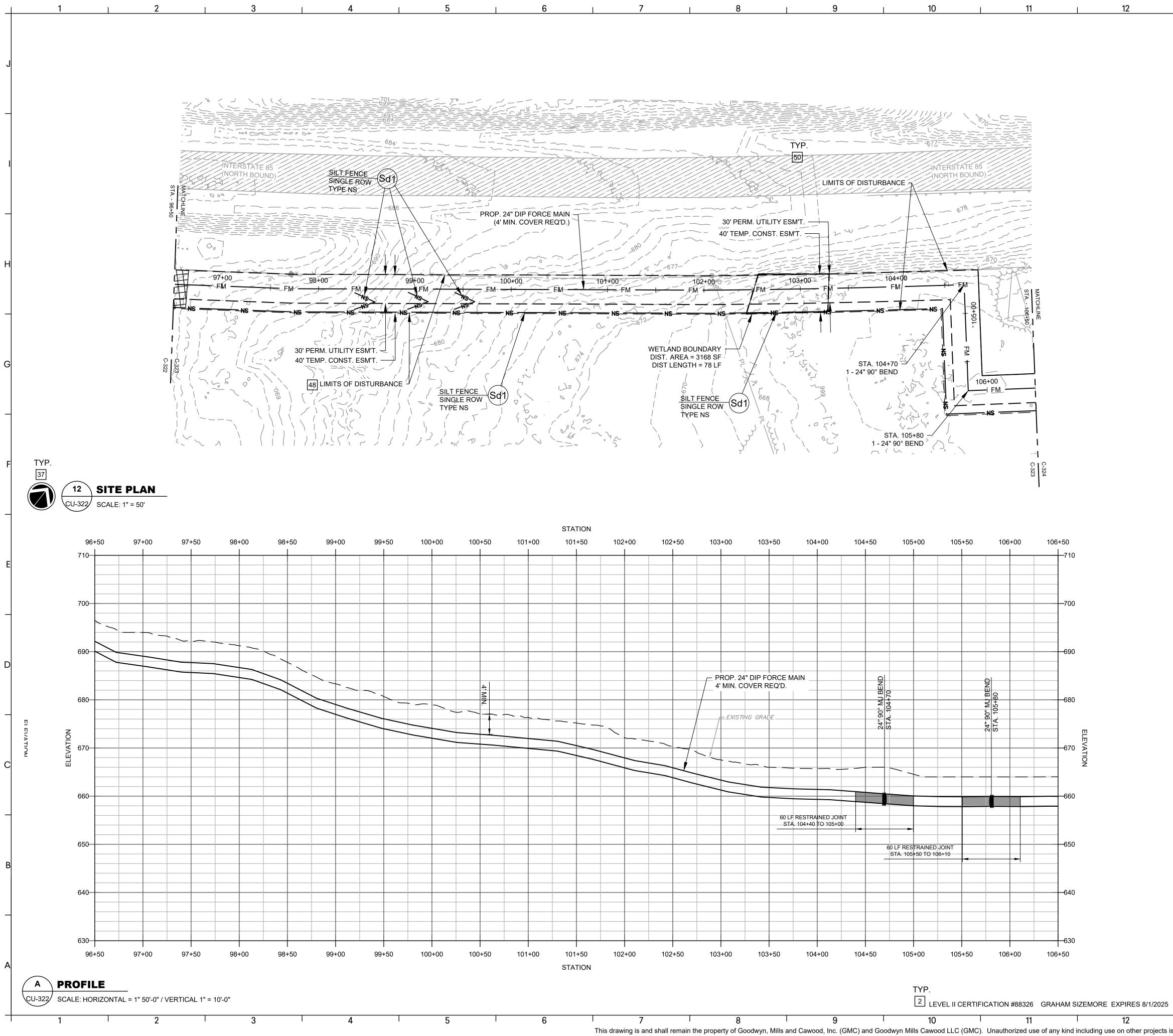
13     14       EROSION CONTROL NOTES:	15	16
<text><list-item><list-item><text></text></list-item></list-item></text>	6120 Powers Ferry Road NW. Suite 200	Atlanta, GA 30339 T 770.952.2481
	CawoD, LLC No.PEF007898	
	DATE DATE 05.30.2024 08.29.2024 11.27.2024 03.19.2025	CS CS
	ISSUE ISSUE 30% Submittal 60% Submittal Bid Set	Project Manager: Engineer: Designer: Drawn By:
	COMMERCE 2.0 MGD SROVE CREEK WPCP SROVE CREEK WPCP Display Summerce GA Summerce GA	CATL230033
	CIVIL SITE PLAN - EFFLUENT DISCHARGE FORCE MAIN STATION 63+50 TO 74+50	CU-320



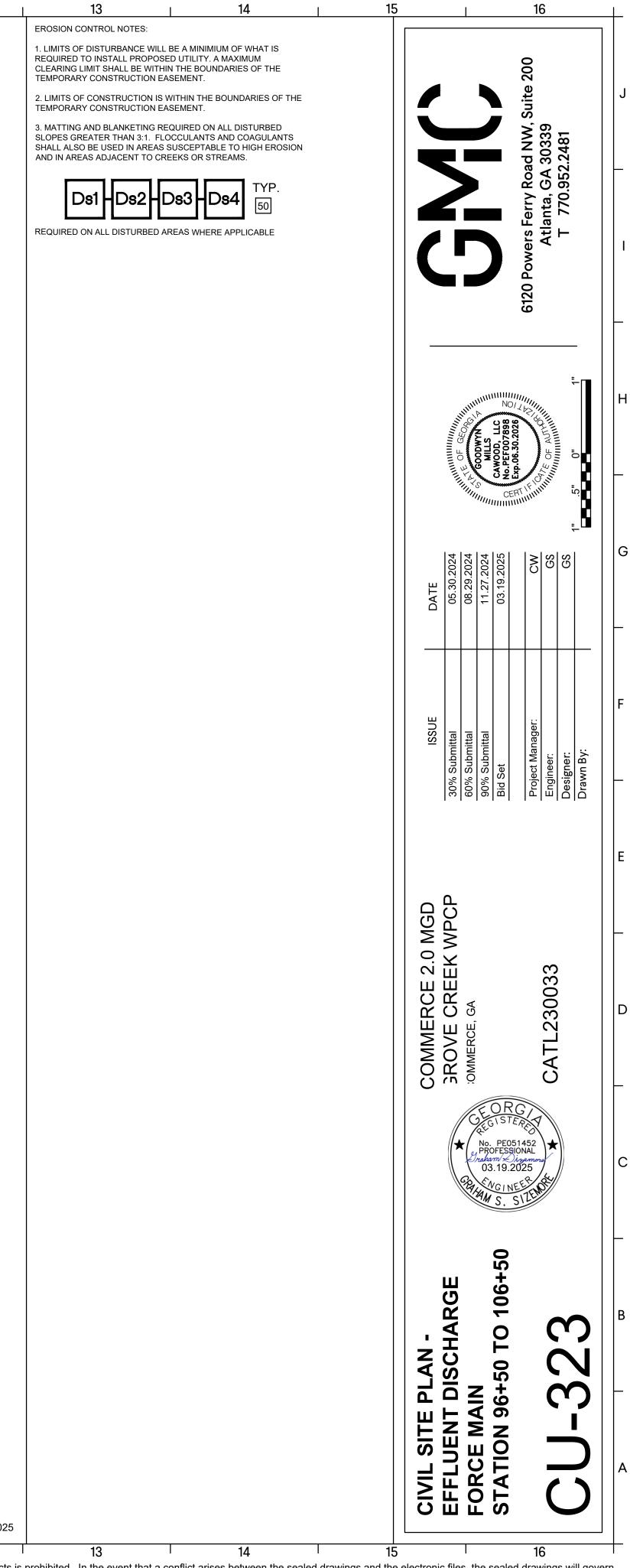
14 16 15 EROSION CONTROL NOTES: 1. LIMITS OF DISTURBANCE WILL BE A MINIMIUM OF WHAT IS REQUIRED TO INSTALL PROPOSED UTILITY. A MAXIMUM CLEARING LIMIT SHALL BE WITHIN THE BOUNDARIES OF THE TEMPORARY CONSTRUCTION EASEMENT. 2. LIMITS OF CONSTRUCTION IS WITHIN THE BOUNDARIES OF THE TEMPORARY CONSTRUCTION EASEMENT. 3. MATTING AND BLANKETING REQUIRED ON ALL DISTURBED SLOPES GREATER THAN 3:1. FLOCCULANTS AND COAGULANTS SHALL ALSO BE USED IN AREAS SUSCEPTABLE TO HIGH EROSION AND IN AREAS ADJACENT TO CREEKS OR STREAMS. 4. WORK WITHIN PROTECTED AREAS, SUCH AS WITHIN STATE WATERS BUFFERS OR WETLANDS, SHALL NOT TAKE PLACE UNTIL THE EPD HAS GRANTED APPROVAL, WHICH WOULD THEN BE REVIEWED BY THE LIA. 50 0 2 REQUIRED ON ALL DISTURBED AREAS WHERE APPLICABLE 8 8 7 8 100 8 1 COMMERCE 2.0 MGD 3ROVE CREEK WPCP :OMMERCE, GA ATL230033 Ú EORG/ No. PE051452 PROFESSIONAL Instrum Dimemory 03.19.2025 IC +50 'E PLAN -UT DISCHARGE AAIN 174+50 TO 85+ 3 CIVIL SITE F EFFLUENT I FORCE MAI STATION 74 13 14 16 I 15

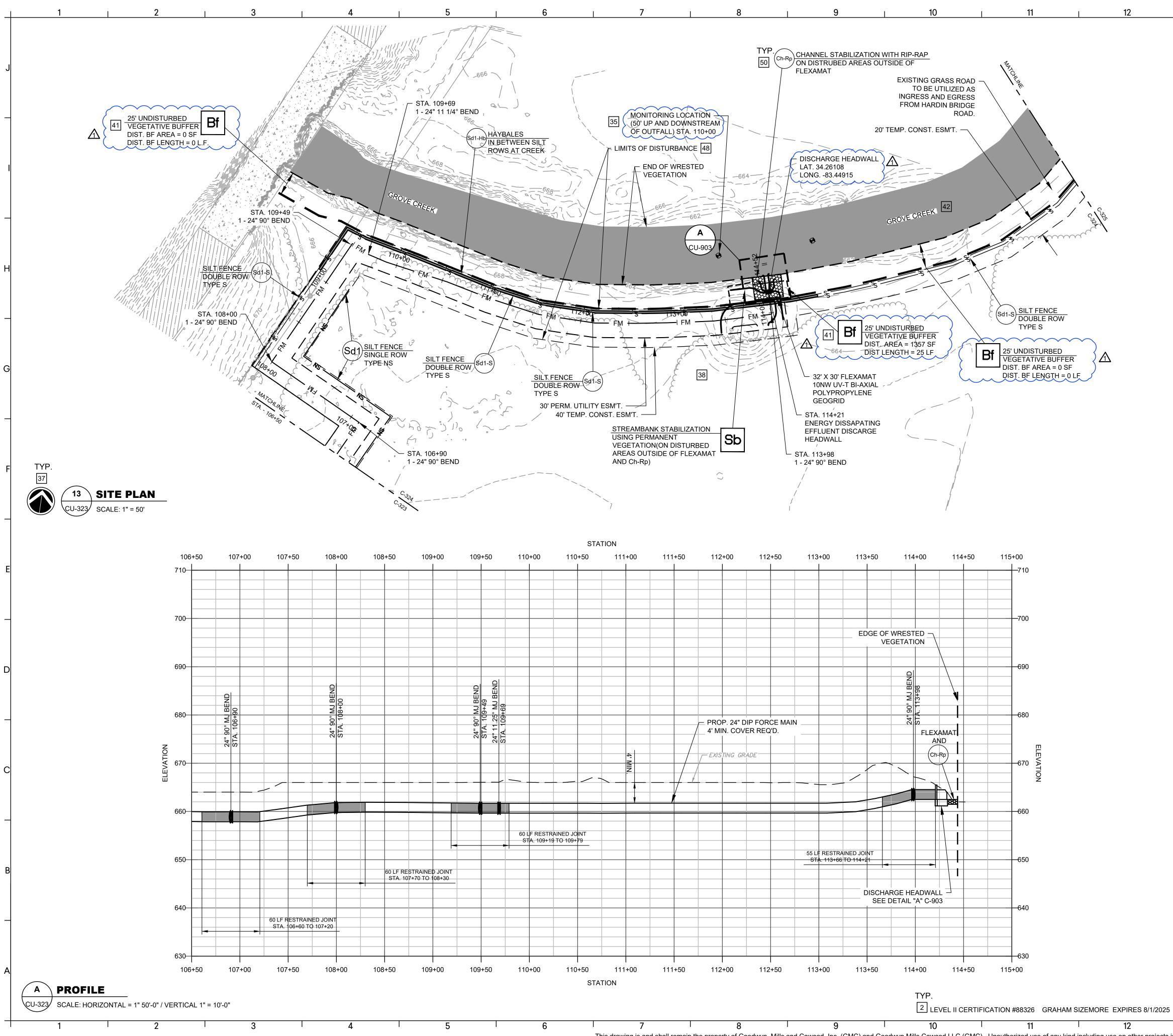


14 13 16 15 EROSION CONTROL NOTES: 1. LIMITS OF DISTURBANCE WILL BE A MINIMIUM OF WHAT IS REQUIRED TO INSTALL PROPOSED UTILITY. A MAXIMUM CLEARING LIMIT SHALL BE WITHIN THE BOUNDARIES OF THE TEMPORARY CONSTRUCTION EASEMENT. 2. LIMITS OF CONSTRUCTION IS WITHIN THE BOUNDARIES OF THE TEMPORARY CONSTRUCTION EASEMENT. 3. MATTING AND BLANKETING REQUIRED ON ALL DISTURBED SLOPES GREATER THAN 3:1. FLOCCULANTS AND COAGULANTS SHALL ALSO BE USED IN AREAS SUSCEPTABLE TO HIGH EROSION AND IN AREAS ADJACENT TO CREEKS OR STREAMS.  $\underline{\Lambda}$ 4. WORK WITHIN PROTECTED AREAS, SUCH AS WITHIN STATE WATERS BUFFERS OR WETLANDS, SHALL NOT TAKE PLACE UNTIL 770. THE EPD HAS GRANTED APPROVAL, WHICH WOULD THEN BE REVIEWED BY THE LIA. TYP 50 120 REQUIRED ON ALL DISTURBED AREAS WHERE APPLICABLE 29 8 <del>1</del> 8 8 7 30% 60% Bid S COMMERCE 2.0 MGD 3ROVE CREEK WPCP :OMMERCE, GA ATL230033 Ú EORG/ No. PE051452 PROFESSIONAL Instrum Dimemory 03.19.2025 IC 96+50 CIVIL SITE PLAN -EFFLUENT DISCHARGE FORCE MAIN STATION 85+50 TO 96+5  $\mathcal{O}$ 13 14 16 15



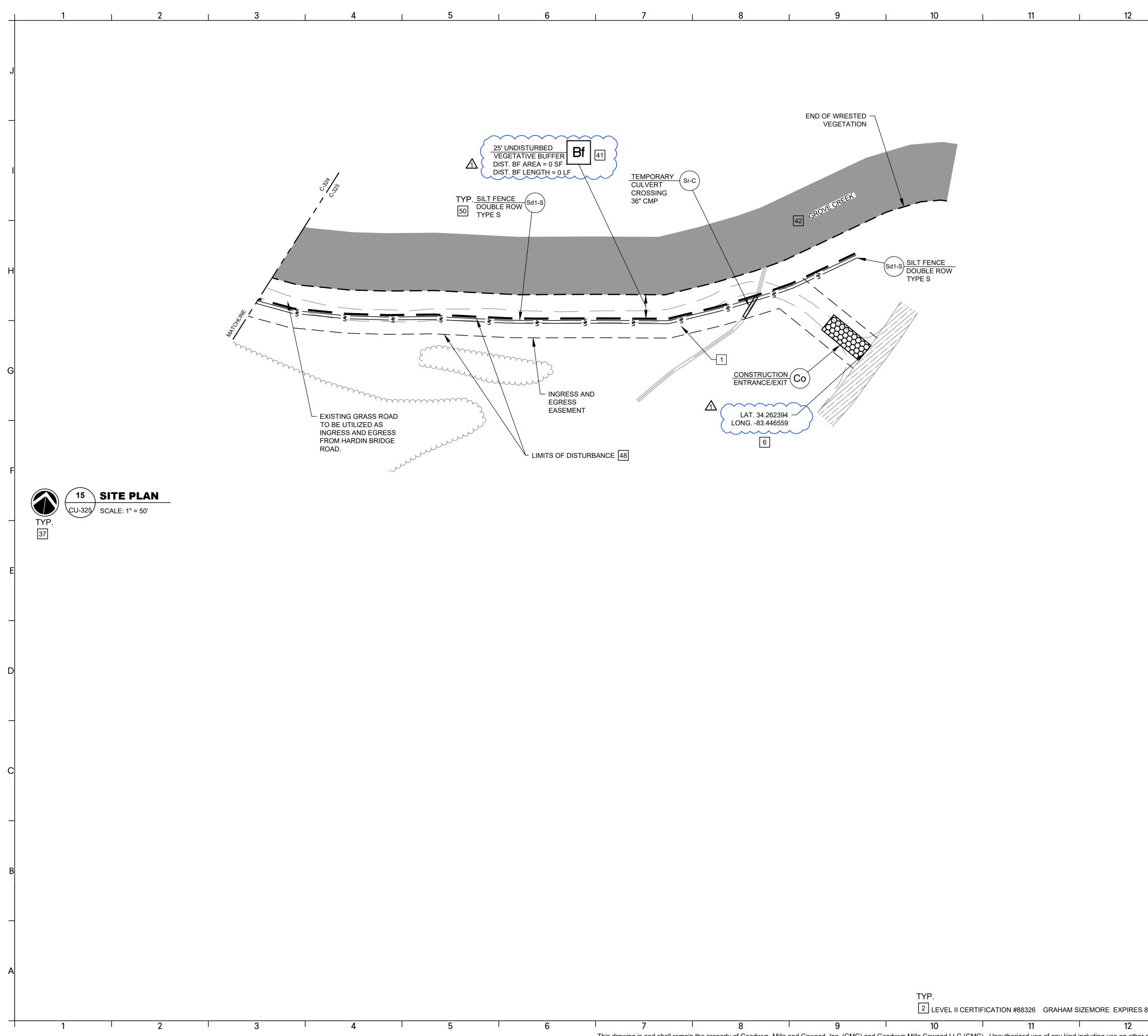
This drawing is and shall remain the property of Goodwyn, Mills and Cawood, Inc. (GMC) and Goodwyn Mills Cawood LLC (GMC). Unauthorized use of any kind including use on other projects is prohibited. In the event that a conflict arises between the sealed drawings and the electronic files, the sealed drawings will govern.

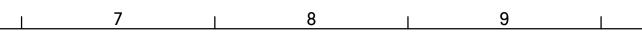




This drawing is and shall remain the property of Goodwyn, Mills and Cawood, Inc. (GMC) and Goodwyn Mills Cawood LLC (GMC). Unauthorized use of any kind including use on other projects is prohibited. In the event that a conflict arises between the sealed drawings and the electronic files, the sealed drawings will govern.

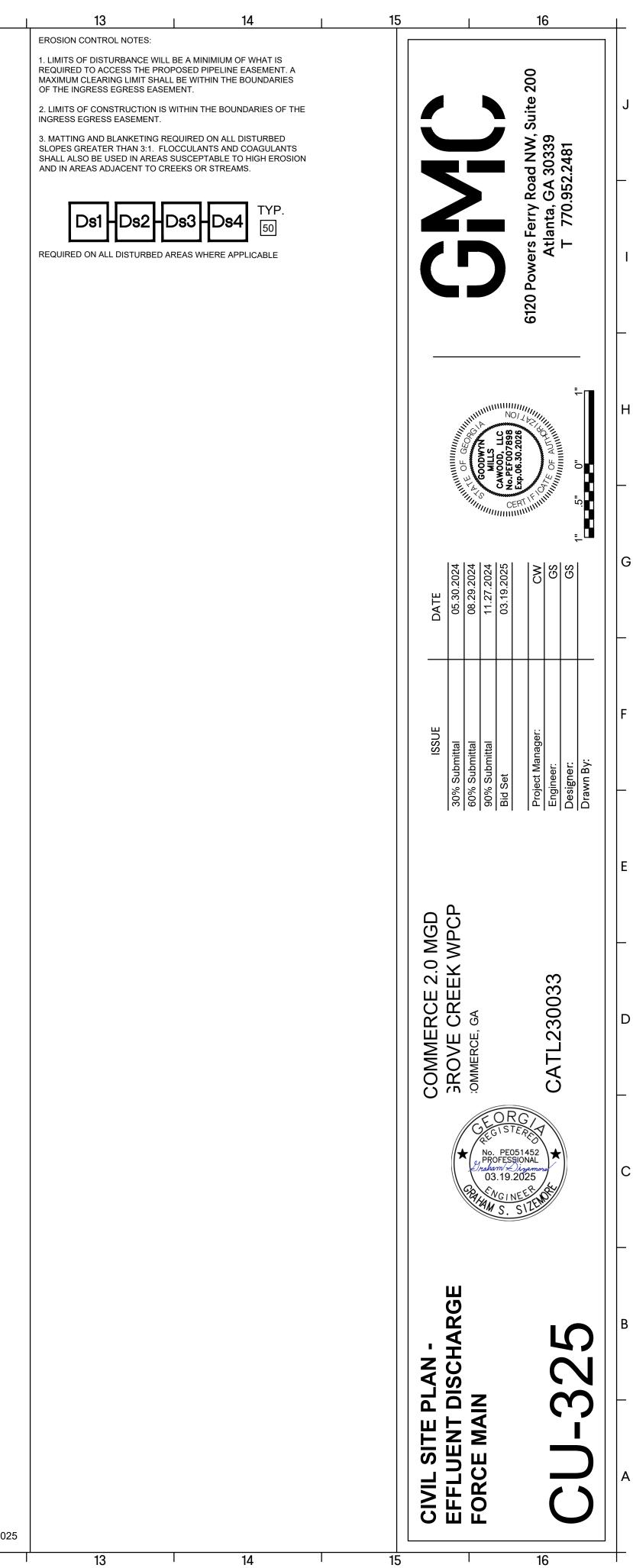
14 16 13 15 EROSION CONTROL NOTES: 1. LIMITS OF DISTURBANCE WILL BE A MINIMIUM OF WHAT IS REQUIRED TO INSTALL PROPOSED UTILITY. A MAXIMUM CLEARING LIMIT SHALL BE WITHIN THE BOUNDARIES OF THE TEMPORARY CONSTRUCTION EASEMENT. 2. LIMITS OF CONSTRUCTION IS WITHIN THE BOUNDARIES OF THE TEMPORARY CONSTRUCTION EASEMENT. 3. MATTING AND BLANKETING REQUIRED ON ALL DISTURBED SLOPES GREATER THAN 3:1. FLOCCULANTS AND COAGULANTS SHALL ALSO BE USED IN AREAS SUSCEPTABLE TO HIGH EROSION AND IN AREAS ADJACENT TO CREEKS OR STREAMS.  $\Lambda$ 4. WORK WITHIN PROTECTED AREAS, SUCH AS WITHIN STATE WATERS BUFFERS OR WETLANDS, SHALL NOT TAKE PLACE UNTIL 2 770. THE EPD HAS GRANTED APPROVAL, WHICH WOULD THEN BE > REVIEWED BY THE LIA. 50 2 REQUIRED ON ALL DISTURBED AREAS WHERE APPLICABLE <u>≶888</u> 29 8 <del>1</del> 8 8 7 COMMERCE 2.0 MGD 3ROVE CREEK WPCP OMMERCE, GA ATL230033 Ó GEORGI GEGISTERES ★ No. PE051452 PROFESSIONAL Praharm 2 insembre 03.19.2025 I C N J C E PLAN -IT DISCHARC IAIN 106+50 TO 1  $\mathbf{\nabla}$ N  $\mathcal{O}$ CIVIL SITE F EFFLUENT I FORCE MAI STATION 10 13 14 I 16 15 

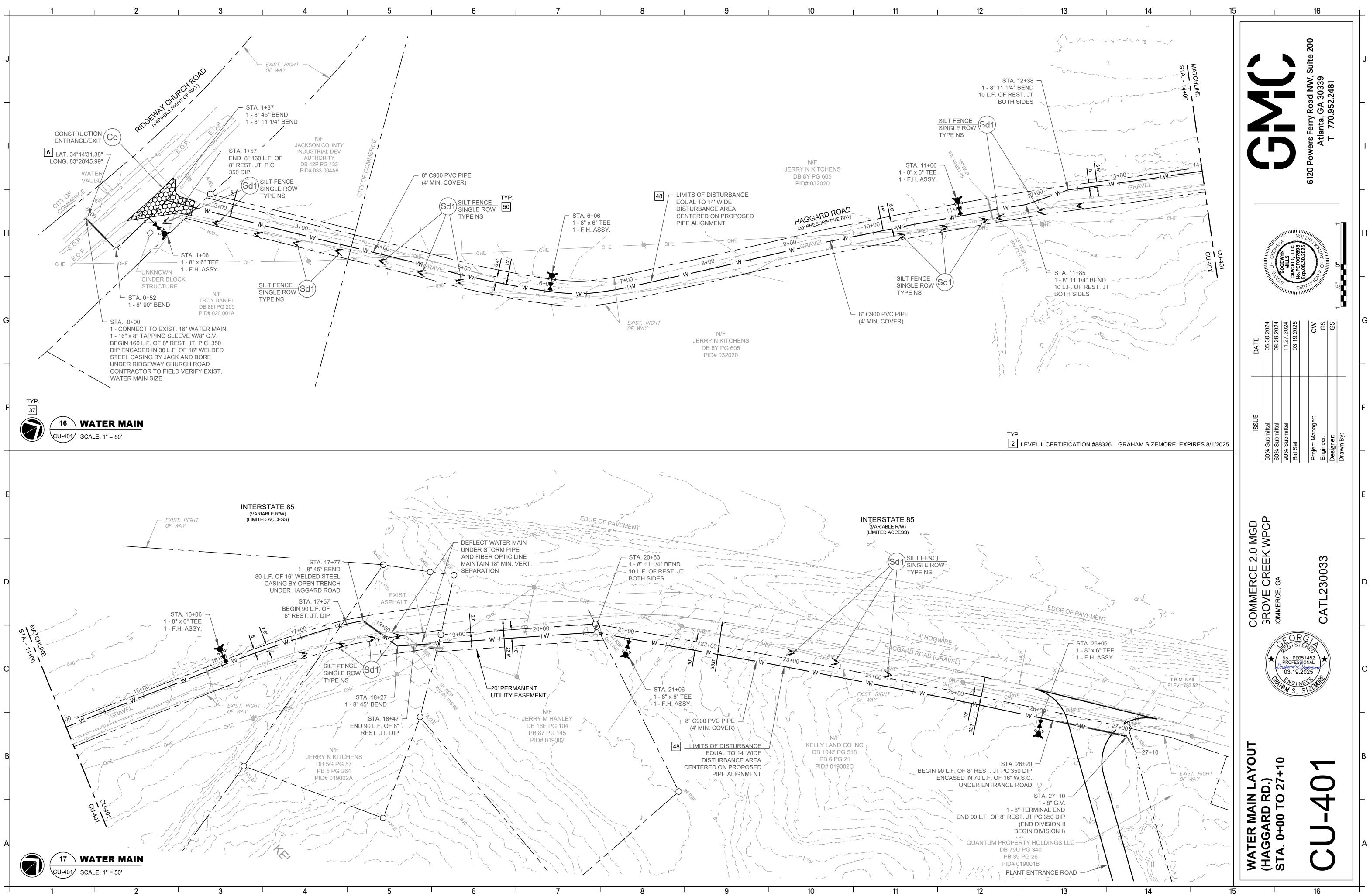






2 LEVEL II CERTIFICATION #88326 GRAHAM SIZEMORE EXPIRES 8/1/2025





This drawing is and shall remain the property of Goodwyn, Mills and Cawood, Inc. (GMC) and Goodwyn Mills Cawood LLC (GMC). Unauthorized use of any kind including use on other projects is prohibited. In the event that a conflict arises between the sealed drawings and the electronic files, the sealed drawings will govern.

	1 EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
J	INFRASTRUCTURE CONSTRUCTION PROJECTS
-	SWCD: <u>R2_OCONEE RIVER</u> Project Name: GROVE CREEK WPCP Address: SEE PLANS
	City/County: JACKSON COUNTY, GA Date on Plans: MARCH, 2025
	Name & email of person filling out checklist: graham.sizemore@gmcnetwork.com
-	Plan Included Page # Y/N TO BE SHOWN ON ES&PC PLAN
	CU-605 Y 1. The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of of the year in which the land-disturbing activity was permitted. The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed. Permit IV.D.1
	CU-606 Y 2. Level II certification number issued by the Commission, signature and seal of the certified design professional. Signature, seal and Level II number <u>must</u> be on each sheet pertaining to ES&PC Plan or the Plan will not be revi The Level II certification must be issued to the Design Professional, after completion of a GSWCC approved cours whose signature and seal are on the Plan.
	<b>CU-311</b> Y 3. The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.
	<b>CU-311</b> Y 4. Provide the name, address, email address, and phone number of Primary Permittee.
	<b>CU-311</b> Y 5. Note total and disturbed acreages of the project or phase under construction.
	CU-311,317       6.       Provide the GPS locations of the beginning and end of the infrastructure project. Give the Latitudes and Longitude decimal degrees.
	<b>G-001</b> Y 7. Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revis
	CU-606 Y 8. Descriptions of the nature of construction activity and existing site conditions.
	C-001 CU-311 Y 9. Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessa
	CU-615 Y 10. Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential wetlands, marshlands, etc. which may be affected.
	CU-606 Y 11. Design professional's certification statement and signature that the site was visited prior to development of the ESA as stated on <b>Part IV page 21</b> of the permit.
-	CU-606 Y 12. Design professional's certification statement and signature that the Permittee's ES&PC Plan provides for an appro comprehensive system of BMPs and sampling to meet permit requirements as stated on <b>Part IV page 21</b> of the per
	CU-606 Y 13. Design professional certification statement and signature that the Permittee's ES&PC Plan provides for representa sampling as stated on <b>Part IV.D.6.c.(3). page 37</b> of the permit as applicable. *
	<b>CU-311</b> Y 14. Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect and certify th installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation.
	CU-606 Y 15. Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
	<b>CU-606</b> Y 16. Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
	CU-311 Y 17. Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMP hydraulic component must be certified by the design professional." *
	CU-311 Y 18. Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authoriz Section 404 permit." *
	CU-606 Y 19. Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion sediment control measures and practices prior to land disturbing activities."
	CU-606 Y 20. Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the a Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be impl to control or treat the sediment source."
D	CU-311 Y 21. Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized w or temporary seeding."
	N 22. Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile up of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which dist the Impaired Stream Segment. *
	N 23. If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in iten 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. *
	CU-610 Y 24. BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the the construction site is prohibited. *
	CU-610 Y 25. Provide BMPs for the remediation of all petroleum spills and leaks.

612	Y	52.	Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.
CU-608-612 CU-608 &	Y	51.	Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
CU-601-604 & CU -312 -317 & 401	Y	50.	Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
			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, unless infeasible. If outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.
			written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included
CU-606	Y	49.	Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A
CU-312-317 & CU-401	Y	48.	The limits of disturbance for each phase of construction.
CU-616 - 617	Y	47.	Identify/Delineate all storm water discharge points. Soil series for the project site and their delineation.
	N	46.	completed. Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion.
CU-615	Y		An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are
			Provide hydrology study and maps of drainage basin on the project site.
CU-615	Y		Delineation and acreage of contributing drainage basins on the project site.
CU-312-317	Y		required by the Local Issuing Authority. Clearly note and delineate all areas of impact. Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
CU-312-317	N		& Sediment Control in Georgia 2016 Edition. * Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers
	,		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. Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion
	N	39.	Proposed Contours 1" : 400' Centerline Profile Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs
CU -201, 312 -317	<u> </u>		Existing Contours USGS 1": 2000' Topographical Sheets
CU-601-604 &	Y		Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:
CU-601-604 & CU -312 -317 & 401	Y	37	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. * Graphic scale and North arrow.
CU-607 - 612	Y	36.	into which storm water is discharged. * 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
CU-615	Y	35.	Delineate all sampling locations on all phases of the Plan, and perennial and intermittent streams and other water bodies
CU-614-615	v	34.	Appendix B rationale for NTU values at all outfall sampling points where applicable. *
CU-614-615	v		Description of analytical methods to be used to collect and analyze the samples from each location. *
CU-614-615	v		Provide complete details for retention of records as per Part IV.F. of the permit. *
CU-614-615			Provide complete requirements of sampling frequency and reporting of sampling results. *
CU-614-615	v	30	the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization). Provide complete requirements of inspections and record keeping by the primary permittee. *
CU-606	Y	29.	Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of
CU-610	Y	28.	Description of the practices that will be used to reduce the pollutants in storm water discharges. *
CU-606		27.	Description of practices to provide cover for building materials and building products on site. *

"If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the \* checklist items would be N/A.

Effective January 1, 2025

7 8 9 10 11 12 13 14 16 15 This drawing is and shall remain the property of Goodwyn, Mills and Cawood, Inc. (GMC) and Goodwyn Mills Cawood LLC (GMC). Unauthorized use of any kind including use on other projects is prohibited. In the event that a conflict arises between the sealed drawings and the electronic files, the sealed drawings will govern.

TYP.

EROSION.	COMMERCE 2.0 MGD	ISSUE	DATE		
SEDIMENTATION &	<b>3ROVE CREEK WPCP</b>	30% Submittal	05.30.2024 05.101/01/01/02		
	SOMMERCE, GA	60% Submittal	08.29.2024 08.29.2024		1
POLLUTION CONTROL	No. PRO 03	90% Submittal	11.27.2024 600DWYN		
DI AN CHECKI IST	OF DFESS 19. GIN S.	Bid Set	03.19.2025		
			E E E E E E E E E E E E E E E E E E E	111111 D1 1	
-	NAL emor 25	Project Manager:	CW	6120 Powers Ferry Road NW, Suite 200	1(
	CATL230033	Engineer:	GS GIVE OF AUTON	Atla	6
		Designer:	GS C	T 770.952.2481	
))))		Drawn By:			
B A	C	F 	_ G	J _ _ H	╞

2 LEVEL II CERTIFICATION #88326 GRAHAM SIZEMORE EXPIRES 8/1/2025

_	1 2 5 4	5 0
	GENERAL NOTES:	SOIL EROSION AND
J	<ol> <li>LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS BUT MAY NOT BE ABSOLUTELY CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC. WHICH ARE</li> </ol>	8 1. THE PROJECT IS LOCATED NOR SHOWN IN THE PLAN SET. TH POLLUTION CONTROL PLANT (W
	WITHIN THE PROJECT AREA AND WHICH HAVE BEEN INSTALLED AND CONSTRUCTED SINCE THE PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND OTHER	2. THE MAIN UTILITY RESPONSIBLE JOSH ALLISON PH. (706) 335-520 19 3. THE ESCAPE OF SEDIMENT FROM
_	FEATURES (WHETHER OR NOT SHOWN ON THE PLANS) AFFECTING HIS WORK. IN ADDITION TO CONTACTING THE LOCAL UTILITY AGENCIES, THE CONTRACTOR SHALL GIVE THREE WORKING DAYS NOTICE TO THE UTILITIES PROTECTION CENTER AT 1-800-282-7411 PRIOR TO ANY EXCAVATION.	SEDIMENT CONTROL MEASURES 4. THE CONSTRUCTION PAD SHAL FLOW OF MUD ONTO PUBLIC ST
	2. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY	<ol> <li>5. SILT FENCES AND HAY BALE FUNCTIONAL CONDITION UNTIL</li> <li>6. SILT FENCE FABRIC SHALL BE</li> </ol>
I	MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED. 3. CONTRACTOR SHALL TAKE WHATEVER MEANS NECESSARY TO PROTECT EXISTING UTILITIES FROM	FABRIC. 7. ALL GRASSING SHALL BE IN ACC MANUAL FOR EROSION AND SEI
	DAMAGE DURING CONSTRUCTION. CONTRACTOR SHALL PROTECT, REPAIR, REMOVE AND/OR RELOCATE ANY UTILITIES DURING CONSTRUCTION WITH LIKE MATERIALS AND CONSTRUCTION METHODS AS APPROVED BY THE ENGINEER AND THE OWNER AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR	8. ALL OTHER WORK SHALL BE SEDIMENT CONTROL IN GEORG 9. THE CONTRACTOR SHALL FU
	<ul><li>SHALL BE RESPONSIBLE FOR COORDINATION OF ANY UTILITY RELOCATION AT NO ADDITIONAL COST TO THE OWNER.</li><li>4. THE CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFACE WATER DRAINAGE STRUCTURES</li></ul>	ANTICIPATED STARTING AND C LISTED IN ITEMS FOUR THROUG 10. EROSION CONTROL DEVICES W
н	AND DITCHES DURING ALL PHASES OF CONSTRUCTION AND SHALL USE WHATEVER MEANS NECESSARY TO MANAGE STORM WATER SUCH THAT IMPACT TO CONSTRUCTION IS MINIMIZED. 5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY WHEN CONFLICTS BETWEEN DRAWINGS	INSPECTED AND REPAIRED OF MEASURES ARE ESTABLISHED A SHALL BE RETOPPED OR CLEAN
	AND ACTUAL CONDITIONS ARE DISCOVERED. 6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH EXISTING STATE, COUNTY, AND CITY DESIGN AND CONSTRUCTION STANDARDS UNLESS THOSE STANDARDS CONFLICT WITH THESE CONTRACT DOCUMENTS	11. ANY ADDITIONAL CONSTRUCTI ADDITIONAL EROSION AND SED 12. ANY DISTURBED AREA LEFT EXF
	<ul> <li>IN WHICH CASE THESE CONTRACT DOCUMENTS SHALL GOVERN. SUCH CONFLICTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY.</li> <li>7. DEWATERING SHALL BE PROVIDED BY CONTRACTOR IN ACCORDANCE WITH PROJECT SPECIFICATIONS AS</li> </ul>	MULCH OR TEMPORARY SEEDIN 13. ALL DISTURBED AREAS WILL BE PHASES PERMIT.
	NECESSARY TO INSTALL/CONSTRUCT THE WORK PROPERLY. DEWATERING DISCHARGE SHALL BE IN ACCORDANCE WITH APPLICABLE REGULATIONS AND REQUIREMENTS OF AGENCIES HAVING JURISDICTION. 8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH THE FEDERAL OCCUPATIONAL SAFETY AND USAL THE ACT (OSUA) STANDARDS FOR EXCAVATIONS (20, CER PART 1026, OCT 1020) AND TO	14. ALL WORK SHALL BE PERFOR EROSION AND SEDIMENT CONTI 15. ADDITIONAL MEASURES MAY I
G	SAFETY AND HEALTH ACT (OSHA) STANDARDS FOR EXCAVATIONS (29 CFR PART 1926-OCT 1989) AND TO ABIDE BY THEM. SAFETY IN, ON OR ABOUT THE SITE IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR ALONE.	INSPECTORS. 16. CUT AND FILL SLOPES NOT TO E 17. NOTIFY WATER & SEWER INSPEC
	9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE 1992 GEORGIA HIGH VOLTAGE SAFETY ACT AND TO NOTIFY THE UTILITIES PROTECTION CENTER AT 1-800-282-7411 BEFORE WORKING WITHIN 10 FEET OF OVERHEAD POWER LINES OF 750 VOLTS OR MORE.	18. SEDIMENTATION & EROSION CO 20 19. EROSION CONTROL MEASURES APPROVED PLAN DOES NOT P
	10. THE OWNER RESERVES THE RIGHT TO REJECT ANY AND ALL BIDS AND TO WAIVE ANY INFORMALITY IN BIDS RECEIVED WHENEVER SUCH REJECTION OR WAIVER IS IN ITS INTEREST. 11. A PRECONSTRUCTION CONFERENCE WITH THE ENGINEER IS REQUIRED PRIOR TO BEGINNING WORK.	SEDIMENT CONTROL MEASUR SOURCE. PRACTICES WILL BE C 20. THERE ARE STATE WATERS LOC
	<ul> <li>12. ANY CHANGES IN THE APPROVED PLANS MUST BE COORDINATED WITH THE ENGINEER AND MUST BE APPROVED PRIOR TO PROCEEDING.</li> <li>13. MATERIAL AND CONSTRUCTION SHALL BE IN CONFORMANCE WITH REQUIREMENTS OF THE GDOT</li> </ul>	21. THE PROJECT DOES IMPACT/DIS 22. THE PROJECT DOES IMPACT/DIS 23. ADJACENT PROPERTIES TO TH AND COMMERCIAL PROPERTIES
F	STANDARD SPECIFICATIONS CONSTRUCTION OF TRANSPORTATION SYSTEMS, (GDOTSS) LATEST EDITION. 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL SHRUBBERY, TREES, OR	24. EXISTING LAND USE ALONG PR BETWEEN THE EDGE OF PAVEN COMPOSED OF DIFFERENT TY
	STRUCTURES WITHIN THE WORKING AREA THROUGHOUT THE COURSE OF CONSTRUCTION. ANY TREES, SHRUBS, OR STRUCTURES DAMAGED OR DISTURBED SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.	RIGHT-OF-WAY LINE. 49 25. THE DRAINED AREA FOR THE CY/AC = 2224.4 CY. INSTALLATION
	<ul> <li>15. PORTIONS OF THE PROJECT DO LIE WITHIN ZONE A 100 YEAR FLOOD PLAIN PER FEMA MAPS 13011CO140A AND 13157C0155C BOTH DATED DEC. 17, 2010.</li> <li>2 16. DESIGN PROFESSIONAL QUALIFICATIONS: GSWCC LEVEL II CERTIFICATION #88326</li> </ul>	SENSITIVE TYPE "S" SILT FENCE CY OF SILT BASED ON A 5:1 SLO 26. THE CONTRACTOR SHALL BE R
F	<ol> <li>THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD STAKING.</li> <li>THE DESIGN PROFESSIONAL WHO PREPARED THE ES&amp;PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS, PERIMETER CONTROL BMPs, AND SEDIMENT BASINS IN</li> </ol>	THE ENTIRE LENGTH OF THE PREVENT EROSION AND SEDIME 27. CONSTRUCTION EXIT WIDTHS M
-	ACCORDANCE WITH PART IV.A.5. WITHIN 7 DAYS AFTER INSTALLATION. 19. AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL. [18] 20. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY	FOR THIS PROJECT. 28. THE CONTRACTOR MUST COMP 29. NARRATIVE POLLUTION PREVEN
_	A SECTION 404 PERMIT. 21. THE CONTRACTOR SHALL ALSO PREVENT POLLUTION OF THE ADJOINING STREAMS BY NOT CONDUCTING ANY ACTIVITIES IN THE BUFFER ZONE THAT ARE NOT ABSOLUTELY NECESSARY. FORBIDDEN ACTIVITIES	THE FOLLOWING ARE POTENTIA THE SITE AND AN EXPLANATIO DISCHARGES:RUNOFF FROM
	<ul> <li>IN THE BUFFER ZONE INCLUDED, BUT NOT LIMITED TO INCLUDE</li> <li>A. VEHICLE REFUELING AND MAINTENANCE</li> <li>B. DEPOSITING OF TRASH, WASTE, CONSTRUCTION DEBRIS, EXTRA CONCRETE AND ASPHALT, AND RESIDUE</li> </ul>	INSTALLATION OF Sd1 SILT F VEGETATION.
D	FROM EQUIPMENT CLEANING. 27 22. CONTRACTOR SHALL STORE AND PROTECT PRODUCTS IN ACCORDANCE WITH MANUFACTURERS' INSTRUCTIONS. STORE WITH SEALS AND LABELS INTACT AND LEGIBLE. STORE SENSITIVE PRODUCTS	
	IN WEATHER TIGHT, CLIMATE CONTROLLED, ENCLOSURES IN AN ENVIRONMENT FAVORABLE TO PRODUCT. FOR EXTERIOR STORAGE OF FABRICATED PRODUCTS, PLACE ON SLOPED SUPPORTS ABOVE GROUND. COVER PRODUCTS SUBJECT TO DETERIORATION WITH IMPERVIOUS SHEET COVERING.	
_	PROVIDE VENTILATION TO PREVENT CONDENSATION AND DEGRADATION OF PRODUCTS. PROVIDE EQUIPMENT AND PERSONNEL TO STORE PRODUCTS BY METHODS TO PREVENT SOILING, DISFIGUREMENT, OR DAMAGE. ARRANGE STORAGE OF PRODUCTS TO PERMIT ACCESS FOR INSPECTION.	
	PERIODICALLY INSPECT TO VERIFY PRODUCTS ARE UNDAMAGED AND ARE MAINTAINED IN ACCEPTABLE CONDITION. CONTRACTOR SHALL NOT LEAVE ANY WASTE PRODUCTS ON THE GROUND, BUT SHALL REMOVE AND DISPOSE OF THEM PROMPTLY AND IN APPROVED LOCATIONS.	
С	<ol> <li>VEHICLE FUELING AND MAINTENANCE SHALL TAKE PLACE ONLY IN AREAS DESIGNATED BY THE OWNER.</li> <li>PHASED EROSION CONTROL (INITIAL, INTERMEDIATE &amp; FINAL) PLANS ARE SHOWN FOR THE TREATMENT PLANT SITE ALONG WITH SEDIMENT PONDS HOWEVER THESE ITEMS ARE NOT PRACTICAL FOR THE LINEAR PORTION OF THE PROJECT SINCE WITH TY INSTALLATION. PACKETLE, COMPACTION AND CRASSING</li> </ol>	
	LINEAR PORTION OF THE PROJECT SINCE UTILITY INSTALLATION, BACKFILL, COMPACTION AND GRASSING OCCURS TYPICALLY WITHIN 5 DAYS. THE USE OF SEDIMENT PONDS ARE NOT PRACTICAL FOR LINEAR PROJECTS WITHIN THE EXIST. ROAD R/W OR EASEMENTS. THE BMP'S USED FOR THE PROJECT WILL CONTAIN THE SEDIMENT RUN OFF.	
	15 25. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE	
В	WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS. 26. THERE ARE 3 CREEK CROSSINGS FOR THIS PROJECT WHICH ARE PERPENDICULAR AND THEREFORE EXEMPT AND A HORIZONTAL DIRECTIONAL DRILL UNDER A WETLAND AREA ALONG THE INFLUENT AND	
	EFFLUENT FORCE MAIN A BUFFER ENCROACHMENT IS REQUIRED AT ONE LOCATION NO VARIANCES ARE REQUIRED. 27. SANITARY SEWER IS BEING INSTALLED FOR THIS PROJECT NO SEPTIC TANKS ARE BEING INSTALLED.	
_	<ol> <li>WASHOUT OF CONCRETE DRUMS AND EQUIPMENT AT THE CONSTRUCTION SITE IS PROHIBITED.</li> <li>CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH TEMPORARY HOLDING OF POWER/GUY POLES AND/OR GUY WIRES. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS OF INSTALLING</li> </ol>	
	NEW POWER/GUY POLES AND/OR GUY WIRES AT PROPOSED SITE. POWER COMPANY IS RESPONSIBLE FOR ALL COSTS TO BRING POWER TO THE SITE	
A		
$\neg$		5 6

1 | 2

 $\Lambda$ 

D SEDIMENTATION CONTROL NOTES:

ORTHWEST OF THE CITY OF COMMERCE IN JACKSON COUNTY GEORGIA AS THE PROJECT INVOLVES THE CONSTRUCTION OF A NEW WASTEWATER (WPCP) AND ASSOCIATED LINEAR FORCE MAIN AND WATER MAIN. BLE FOR THE PROJECT IS THE CITY OF COMMERCE 24 HR. CONTACT:

202 EMAIL: JALLISON@COMMERCEGA.GOV ROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND RES AND PRACTICES PRIOR TO, LAND-DISTURBING ACTIVITIES.

IALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR STREETS.

LE BARRIERS SHALL BE CLEANED OR REPLACED AND MAINTAINED IN L PERMANENT EROSION CONTROL MEASURES ARE ESTABLISHED. E COMPRISED OF GA. DOT QUALIFIED PRODUCTS LIST 36, FOR SILT FENCE

CCORDANCE WITH CHAPTER 6, SECTION III "VEGETATIVE PRACTICES" OF THE SEDIMENT CONTROL IN GEORGIA.

E PERFORMED IN ACCORDANCE WITH THE MANUAL FOR EROSION AND rgia.

FURNISH APPROPRIATE AUTHORITY OR DEPT. WITH A SCHEDULE OF COMPLETION DATES FOR EACH SEQUENCE OF LAND DISTURBING ACTIVITY JGH EIGHT ABOVE.

WILL BE IN PLACE BEFORE SITE DISTURBANCE AND WILL BE PERIODICALLY OR RESTORED AS NEEDED TO FUNCTION PROPERLY UNTIL PERMANENT AND PROJECT IS COMPLETE, I.E.: CONSTRUCTION EXITS AND SILT FENCES ANED AS SILT REDUCES THEIR EFFECTIVENESS.

TION OTHER THAN SHOWN ON THIS PLAN WILL REQUIRE SEPARATE AND EDIMENT CONTROL MEASURES AND APPROVAL.

XPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH DINGS.

BE PERMANENTLY LANDSCAPED AND GRASSED AS SOON AS CONSTRUCTION

ORMED IN ACCORDANCE WITH THE SPECIFICATION OF THE MANUAL FOR NTROL IN GEORGIA.

BE REQUIRED TO CONTROL EROSION AS DETERMINED NECESSARY BY

EXCEED 2H:1V.

PECTOR PRIOR TO START OF CONSTRUCTION.

CONTROL MEASURES TO BE INSPECTED DAILY.

ES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND JRES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT E CHECKED DAILY.

OCATED WITHIN 200 FEET OF THE PROJECT SITE. DISTURB STATE WATERS, OR STREAMS.

DISTURB WETLAND AREAS.

THE PROPOSED CONSTRUCTION ROUTE ARE COMPRISED OF RESIDENTIAL

PROJECT LENGTH FALLS UNDER RESIDENTIAL ZONING, THE EXISTING AREA EMENT AND THE RIGHT-OF-WAY CONSISTS TYPICALLY OF A GRASSED AREA TYPES OF TREES, SHRUBS, AND ORNAMENTAL FEATURES ALONG THE

PROJECT IS 33.2 ACRES. SILT STORAGE REQUIRED IS 33.2 AC. TIMES 67 TION OF SEDIMENT PONDS AND 4,185 LF OF NON-SENSITIVE TYPE "NS" AND CE WILL CONTAIN 3.42 SF (1/2 FULL SILT FENCE) X 4,185 LF / 27 CF/CY = 530.1 LOPE WHICH EXCEEDS REQUIRED MINIMUM.

RESPONSIBLE FOR MAINTAINING THE EROSION CONTROL MEASURES FOR PROJECT AND SHALL ADD ADDITIONAL MEASURES AS NECESSARY TO MENTATION RUN-OFF FROM THE DISTURBED AREAS.

MAY BE MODIFIED TO FIT THE WIDTH OF THE LIMITS OF DISTURBANCE (LOD) IPLY WITH NPDES GENERAL PERMIT NO. 100002 - EFFECTIVE AUGUST 1, 2018.

ENTION PRACTICES: FIAL SOURCES OF STORM WATER POLLUTION EXPECTED TO BE PRESENT ON

TION OF HOW THE POLLUTANTS WILL BE MINIMIZED IN THE STORM WATER DISTURBED/UNDISTURBED AREAS TO BE MINIMIZED THROUGH THE FENCE, Ds1 MULCH, Ds2 TEMPORARY SEEDING AND Ds3 PERMANENT

7 |

8

 $\checkmark \checkmark \checkmark \checkmark \checkmark$ ANTICIPATED ACTIVITY SCHEDULE

10

29			S	TART	DATE										
23		MONTHS	1	2	3	4	5	6	7	8	9	10	11	1	
~	1	BEGIN PROJECT												$\models$	
$\geq$	2	INSTALL SEDIMENT CONTROLS												╞	
	3	CLEARING													
>	1       BEGIN PROJECT         2       INSTALL SEDIMENT CONTROLS         3       CLEARING         4       GRASS & MULCH (TEMP.) (PERM.)         5       UTILITY, STRUCTURE INSTALLATION         6       MAINTAIN EROSION CONTROL         7       CLEAN UP         8       FINAL STABILIZATION         9       FINAL STABILIZATION         9       INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.														
$\rangle$															
>	6		CLEARING												
	7	CLEAN UP													
$\left( \right)$	8	FINAL STABILIZATION													
2	AC	I CERTIFY THAT THE PER PLAN PROVIDES FOR MANAGEMENT PRACTICES		TEE'S APPR QUIRE	ERO OPRI/ D BY	SION, ATE A THE (	SED AND GEOR	IMENT COM GIA W	ATIOI PREH /ATEF	N ANI ENSIN	D PO /E S LITY	YSTE CONT	M O ROL A	F \CT	
		THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (M PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PER PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING STORMWATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAA PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIR CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR100002. GRAHAM SIZEMORE LEVEL II CERTIFICATION #88326													
	11	I CERTIFY UNDER PENALT THE LOCATIONS DESCRIE	BED H	HERE	IN BY		ELF (	OR M'							
F		Signed					Date	;					-		
GRAHAM SIZEMORE LEVEL II CERTIFICATION #88326 EXPIRES 08/01/2025 1 CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE V THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT UND SUPERVISION. Mraham Digemore 3/19/2025		TR ER , C O O SSI MI <sup>T</sup> AN													
		EXPIRES 08/01/2025													
	I CERTIFY UNDER PENALTY OF LAW THAT THIS REPORT AND ALL ATTACHMEN PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A												TH A EVALU ERSOI THER WLED SIGN	SY NS NS IN( DGE NIF	
		Graham Disjemore	1				3/19	/2025							

Draw in Dryenor Owner

Date

16 BUFFER VARIANCE IS REQUIRED AT CREEK CROSSINGS AND DISCHARGE AND HAS BEEN SUBMITTED

TYP. 2 LEVEL II CERTIFICATION #88326 GRAHAM SIZEMORE EXPIRES 8/1/2025 10 11 12 13 14

I

I		13	}					14					15	I		16		+
12 13	14	15	16	17	18	19	20	21	22	23	24	$\left\{ \right\}$				NW, Suite 200 1339 181		J
																6120 Powers Ferry Road NW, Suite 200 Atlanta, GA 30339 T 770.952.2481		-
																	-	_
ONTROL BEST CT AND ANUAL) AS OF MITTED, DF THE EMENT					<u> </u>	<u> </u>					~			THINKING OF GEORGEN	CAWOOD, LLC	Exp.06.30.2026	.5" 0"	H 
ISIT TO ER MY														DATE 05.30.2024 08.20 2024	03.19.2025 03.19.2025	CW GS	<u>_</u>	G
ONTROL REAMS R FIELD OR (B) OTHER SIONAL MIT NO. MPLED Y OF A														ISSUE 30% Submittal	90% Submittal Bid Set	Project Manager: Engineer: Designer	Drawn By:	F
WERE BYSTEM TE THE S WHO NG THE GE AND IFICANT NE AND															8 8 8    <u>8</u>  8	<u>न</u>   न   न		E
														COMMERCE 2.0 MGD GROVE CREEK WPCP	COMIMERCE, GA	CATL230033		D
														*	No. PEOS PROFESS Jraham 2 03.19.2	G ERE IONAL Normana 2025		c
														TES,		S		B
			ŀ		Ge	orgi	ia81	H I.co	om	Y				ES & PC GENERAL NOT	LEGENDS &			A
025		13	}					14					15			16		+

15 <sup>I</sup> 16

		1	STRUCTU		3 RACTICES
	CODE	PRACTICE	DETAIL		DESCRIPTION
J					A small temporary barrier or dam constructed across a
	Cd	CHECKDAM		J	swale, drainage ditch or area of concentrated flow.
	Ch	CHANNEL STABILIZATION		<b>T</b>	Improving, constructing or stabilizing an open channel, existing stream, or ditch.
	Co	CONSTRUCTION EXIT		O J	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
I	Cr	CONSTRUCTION ROAD STABILIZATION		نېز چې	A travelway constructed as part of a construction plan including access roads, subdivision roads, parking are and other on-site vehicle transportation routes.
	Dc	STREAM DIVERSION CHANNEL		∯	A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.
	Di	DIVERSION			An earth channel or dike located above, below, or across a slope to divert runoff. This may be a temporary or permanent structure.
	Dn1	TEMPORARY DOWNDRAIN STRUCTURE			A flexible conduit of heavy-duty fabric or other materia designed to safely conduct surface runoff down a slop. This is temporary and inexpensive.
	Dn2	PERMANENT DOWNDRAIN STRUCTURE			A paved chute, pipe, sectional conduit or similar material designed to safely conduct surface runoff down a slope.
	Fr	FILTER RING	C		A temporary stone barrier constructed at storm drain inlets and pond outlets.
;	Ga	GABION	<b>X</b>	<b>S</b>	Rock filter baskets which are hand-placed into position forming soil stabilizing structures.
	Gr	GRADE STABILIZATION STRUCTURE		G مرکز	Permanent structures installed to protect channels or waterways where otherwise the slope would be sufficient for the running water to form gullies.
-	Lv	LEVEL SPREADER		÷	A structure to convert concentrated flow of water into less erosive sheet flow. This should be constructed only on undisturbed soils.
	Rd	ROCK FILTER DAM		5	A permanent or temporary stone filter dam installed across small streams or drainageways.
-	Re	RETAINING WALL	-	R	A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special design.
	Rt	RETRO FITTING	<b>F</b>	RI~~	A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.
	Sd1	SEDIMENT BARRIER		$\overline{}$	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
	Sd2	INLET SEDIMENT TRAP			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
	Sd3	TEMPORARY SEDIMENT BASIN			A basin created by excavation or a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out.
	Sd4	TEMPORARY SEDIMENT TRAP			A small temporary pond that drains a disturbed area s that sediment can settle out. The principle feature distinguishing a temporary sediment trap from a temporary sediment basin is the lack of a pipe or riser.
	Sk	FLOATING SURFACE SKIMMER		Sk)~~	A buoyant device that releases/drains water from the surface of sediment ponds, traps, or basins at a controlled rate of flow.
	Spb	SEEP BERM			Linear control device constructed as a diversion perpendicular to the direction of runoff to enhance dissipation and infiltration, while creating multiple sedimentation chambers with the employment of intermediate dikes.
	Sr	TEMPORARY STREAM CROSSING		S .	A temporary bridge or culvert-type structure protectin a stream or watercourse from damage by crossing construction equipment.
,	St	STORMDRAIN OUTLET PROTECTION		(i) (i) (i) (i) (i) (i) (i) (i) (i) (i)	A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
	Su	SURFACE ROUGHENING		н©ј	A rough soil surface with horizontal depressions on a contour or slopes left in a roughened condition after grading.
	Тс	TURBIDITY CURTAIN		©	A floating or staked barrier installed within the water (i may also be referred to as a floating boom, silt barrier, or silt curtain).
	Тр	TOPSOILING		K-B	The practice of stripping off the more fertile soil, storing it, then spreading it over the disturbed area after completion of construction activities.
	Tr	TREE PROTECTION	$\bigcirc$	11 ×	To protect desirable trees from injury during construction activity.
	Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE		<u>++</u>	Paved or vegetative water outlets for diversions, terraces, berms, dikes or similar structures.

2

		VEGETAT	IVE PI	RACTICES
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESC
Bf	BUFFER ZONE		<b>J</b> Bf	Strip of undisturbed o restored existing vege vegetation surroundir bordering streams.
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)	Josephene and the state of the	Cs	Planting vegetation or artificially constructed
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporar where seedlings may season to produce an
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		Ds2	Establishing a tempor growing seedings on
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	4 3 Ch	Ds3	Establishing a permar trees, shrubs, vines, g disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SODDING)		Ds4	A permanent vegetati erodable or critically e
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface ar construction site, road
FI-Co	FLOCCULANTS AND COAGULANTS		FI-Co	Substance formulated separation of suspend
Sb	STREAMBANK STABILIZATION (USING PERM VEGETATION)		Sb	The use of readily ava maintain and enhance restore and repair sm
Ss	SLOPE STABILIZATION		Ss	A protective covering establish temporary o slopes, shore lines, or
Tac	TACKIFIERS AND BINDERS		Тас	Substance used to an causing the organic m
		EROS	SION LEG	END

ı 5 ı

4

CONSTRUCTION ENTRANCE	Co	
SILT FENCE TYPE "NS"	(Sd1)	NS
SILT FENCE DOUBLE ROW TYPE "S"	Sd1	——— s ——
STONE CHECK DAM	Cd	
INLET SEDIMENT TRAP	Sd2	
SLOPE STABILIZATION (RECP)	Ss	
STORM DRAIN OUTLET PROTECTION	St	
SLOPE STABILIZATION	Ss	
TEMPORARY SEDIMENT TRAP	Sd3	
AREA =(h*b)/ VOLUME=A*I	2 _F OF FENCE	RAGE CALCULATIC
	b=4	.99'
30"(2.5		///////
		4:1 SLOPE
		ENT STORAGE

# SILT FENCE SEDIMENT STORAGE N.T.S.

-5

4

1	7	1	8	l	9	1	10	1	11	1	12

DESCRIPTION

6

sturbed original vegetation, enhanced or sting vegetation or the reestablishment of surrounding an area of disturbance or reams.

etation on dunes that are denuded, nstructed, or re-nourished.

temporary protection for disturbed areas ings may not have a suitable growing oduce an erosion retarding cover.

a temporary vegetative cover with fast edings on disturbed areas.

a permanent vegetative cover such as s, vines, grasses, or legumes on

t vegetative cover using sods on highly critically eroded lands.

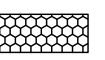
surface and air movement of dust on site, roadways and similar sites.

ormulated to assist in the solids/liquid f suspended particles in solution.

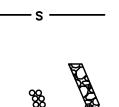
eadily available native plant materials to d enhance streambanks, or to prevent, or repair small streambank erosion problem

covering used to prevent erosion and nporary or permanent vegetation on steep e lines, or channels.

ised to anchor straw or hay mulch by organic material to bind together.



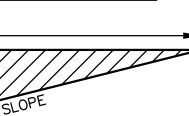




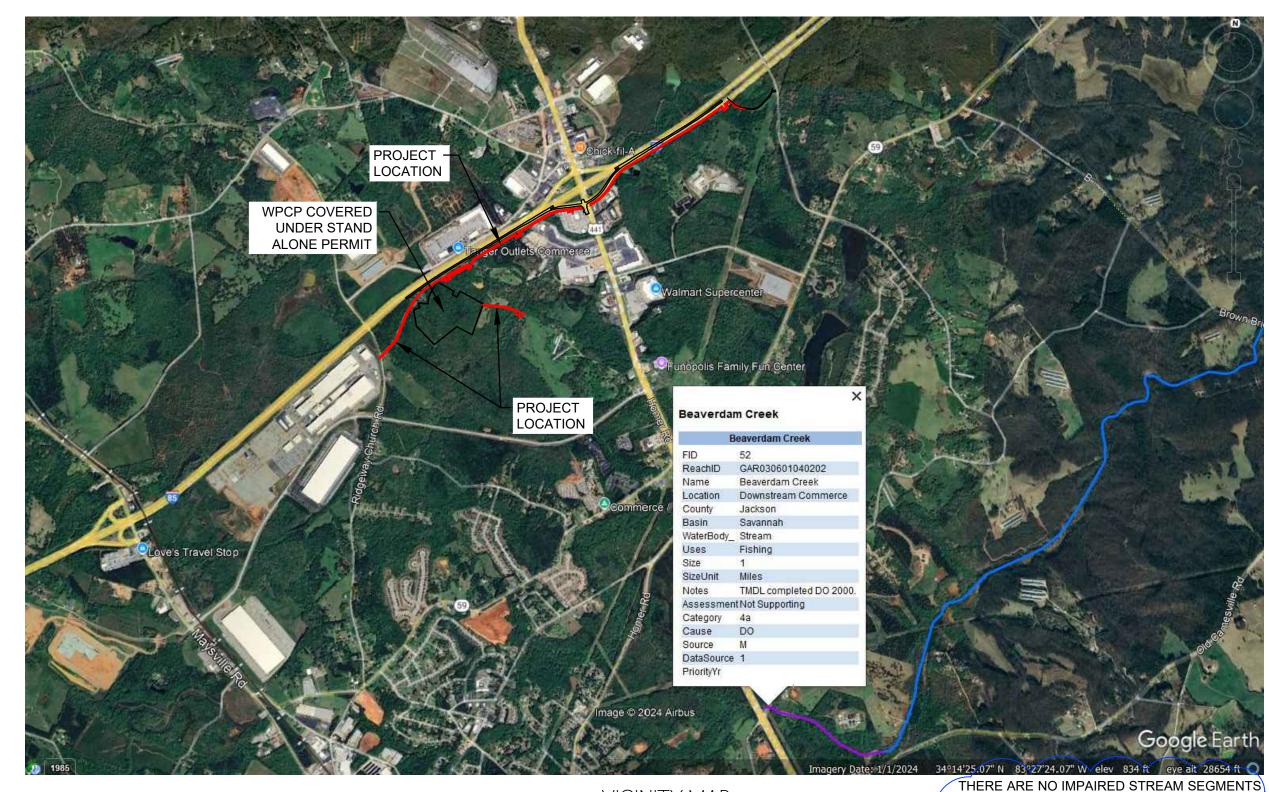




CALCULATION:



6



VICINITY MAP N.T.S. 9

OWNER CITY OF COMMERC	OWNER CITY OF COMMERCE, GA										
DESCRIPTION	NAME	PHONE NUMBER	EMAIL ADDRESS								
CITY MANAGER	MATTHEW HAILEY	706.423.5125	MHAILEY@COMMERCEGA.GOV								
WATER & SEWER SUPERINTENDANT	JOSH ALLISON	706.335.5202	JALLISON@COMMERCEGA.GOV								

PIPELINE AND PUMP STATI	PIPELINE AND PUMP STATION ENGINEER - GMC												
DESCRIPTION	NAME	PHONE NUMBER	EMAIL ADDRESS										
SENIOR CLIENT MANAGER	CHARLES WELCH	770.952.2481 EXT. 103	CHARLES.WELCH@GMCNETWORK.COM										
ENGINEER	CURTIS BARBER, PE	770.952.2481 EXT. 111	CURTIS.BARBER@GMCNETWORK.COM										
ENGINEER	GRAHAM SIZEMORE, PE	770.952.2481 EXT. 143	GRAHAM.SIZEMORE@GMCNETWORK.COM										
SENIOR DESIGNER	DAVID SMITH	770.952.2481 EXT. 104	DAVID.SMITH@GMCNETWORK.COM										

	PLAN REVISIONS AND DESCRIPTION          1.       PERMITTING REVIEW COMMENTS         2.       3		REVIEWS/PERMITS/ESM'T		STATUS
1.	PERMITTING REVIEW COMMENTS	1.	EASEMENTS	3/7/25	ACQUIRING
2.		2.	GDOT PERMIT	3/7/25	TO BE SUBMITTED
3.		3.	LAND DISTURBING ACTIVITY PERMIT	3/7/25	TO BE SUBMITTED

9 10 11 12 13 14 8 15 16 7 This drawing is and shall remain the property of Goodwyn, Mills and Cawood, Inc. (GMC) and Goodwyn Mills Cawood LLC (GMC). Unauthorized use of any kind including use on other projects is prohibited. In the event that a conflict arises between the sealed drawings and the electronic files, the sealed drawings will govern.

I ≺
10

14

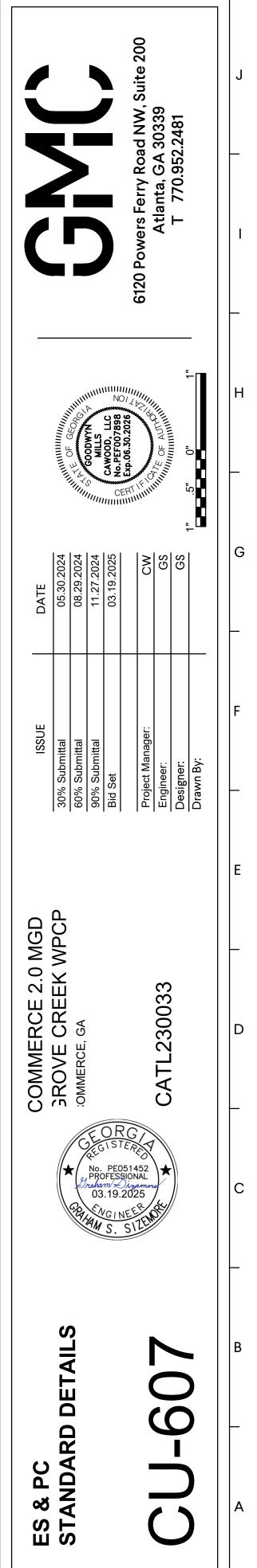
15

16

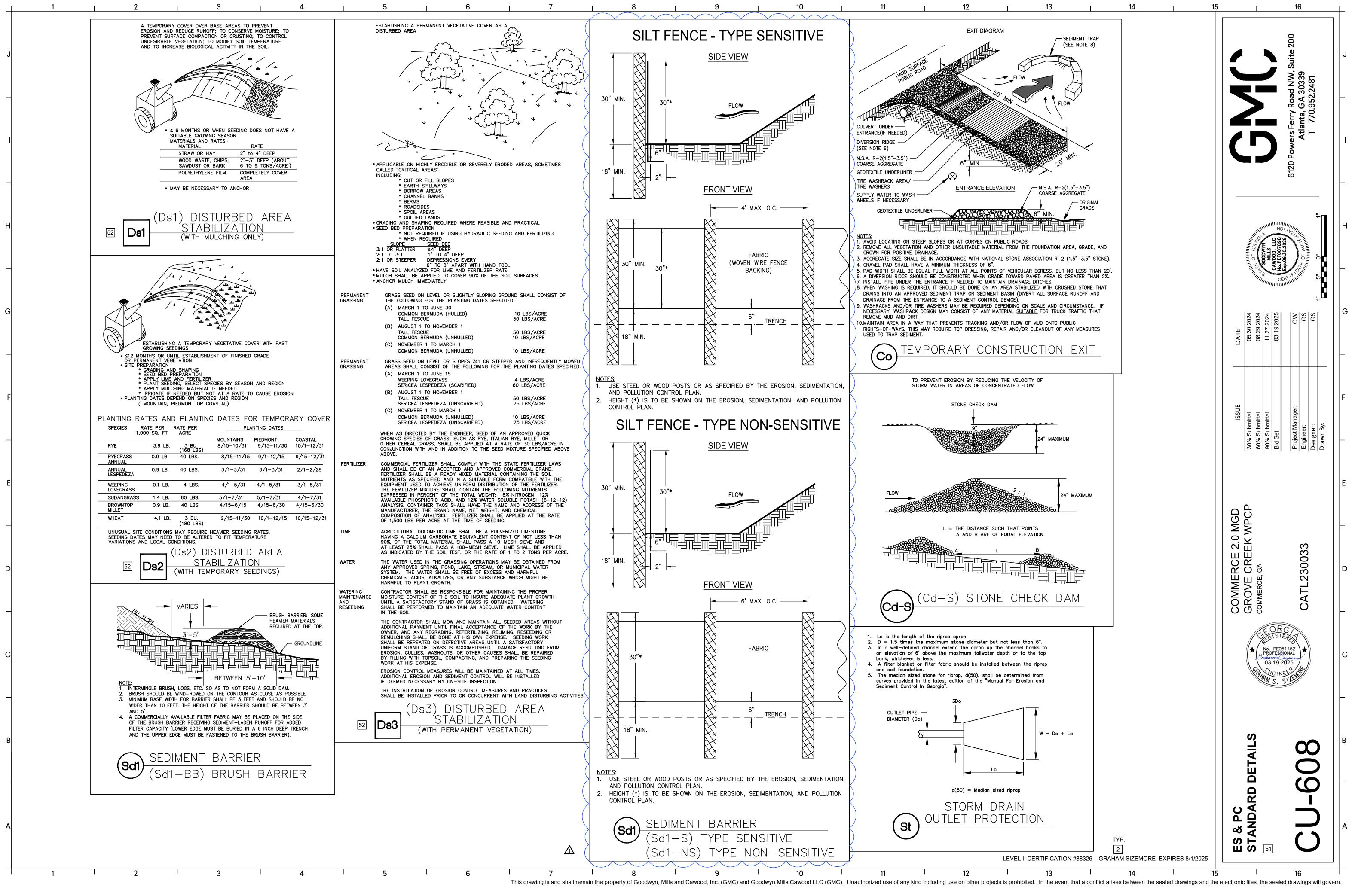
WITHIN 1 LINEAR MILE OF THE PROJECT.

 $\Lambda$ 

NOTE: THE CLOSEST IMPAIRED STREAM SEGMENT IS A SECTION OF BEAVERDAM CREEK LOCATED APPROXIMATELY 8370' (1 MILE = 5280') SOUTHEAST OF THE PROJECT AREA. IT IS A NON-SUPPORTING STREAM DO IMPAIRED. (THE STREAM IS NOT WITHIN A MILE OF THE PROJECT) THEREFORE NO ADDITIONAL BMPs ARE REQUIRED.

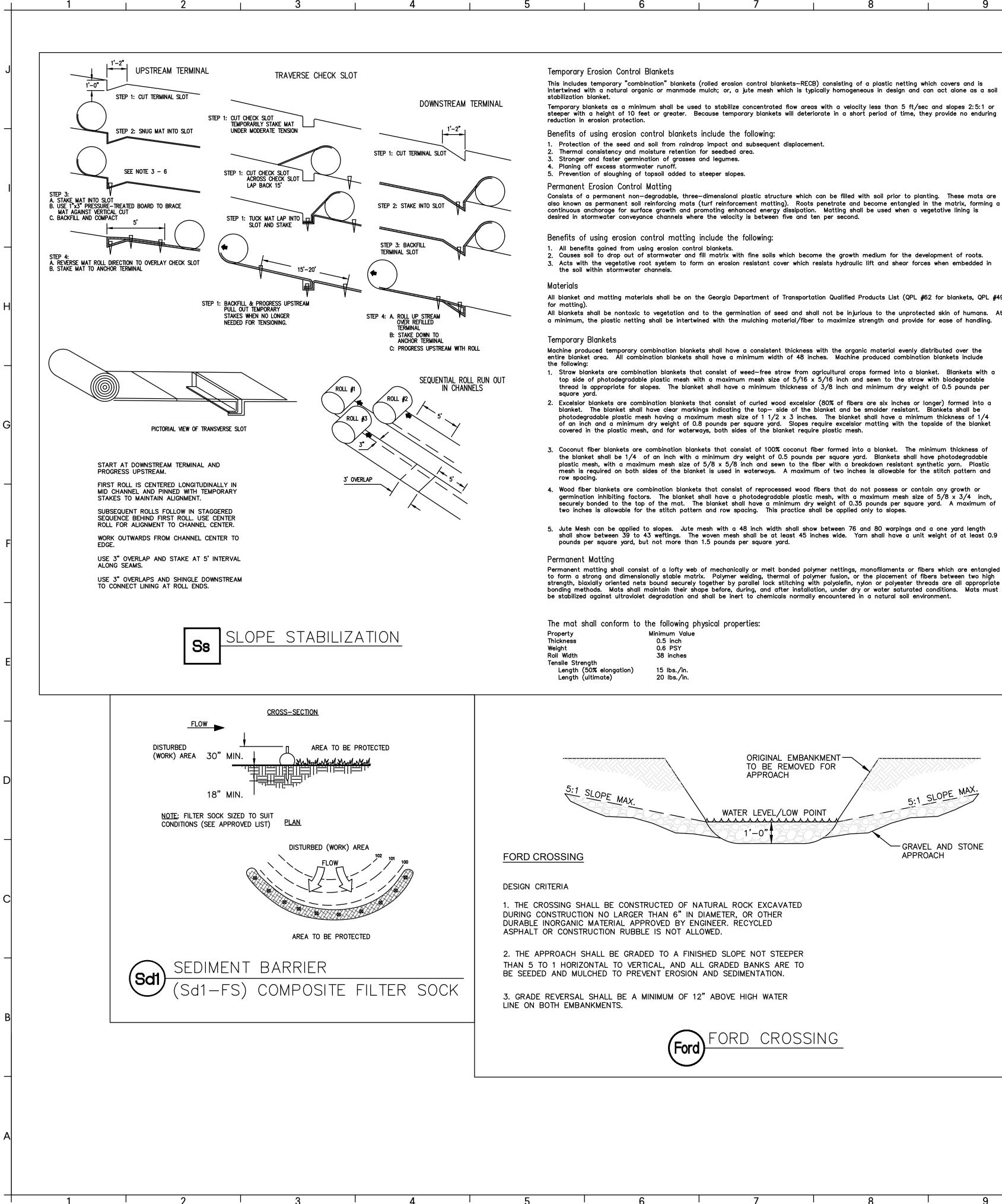


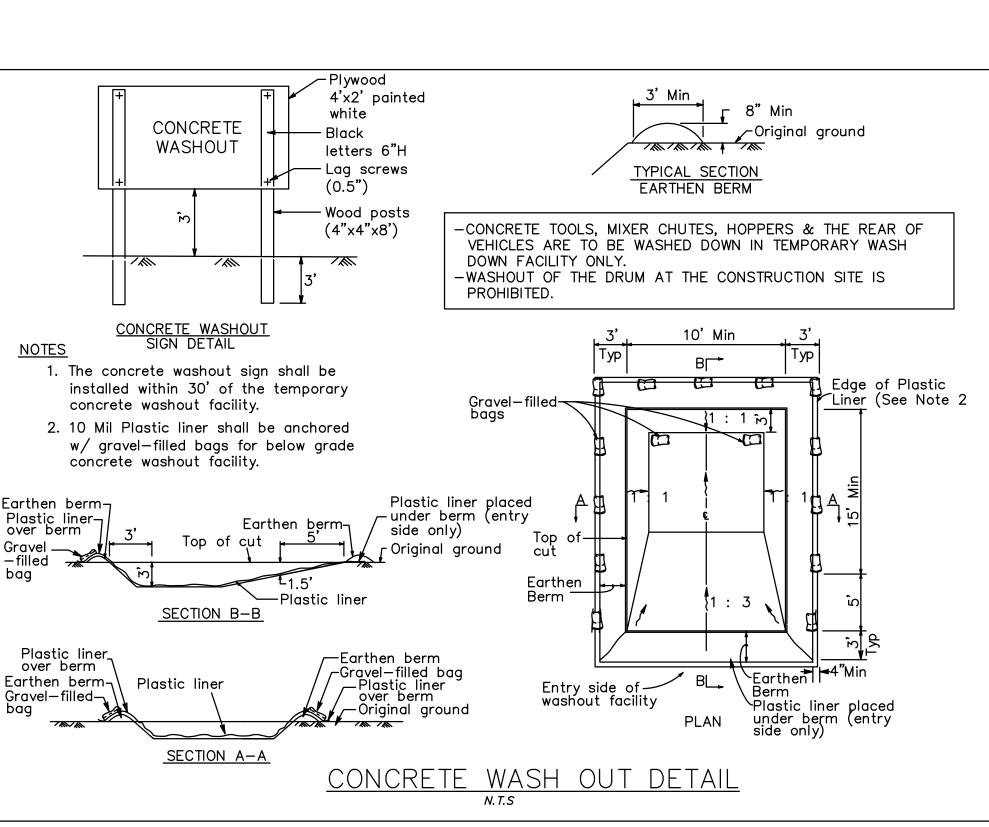
2 LEVEL II CERTIFICATION #88326 GRAHAM SIZEMORE EXPIRES 8/1/2025

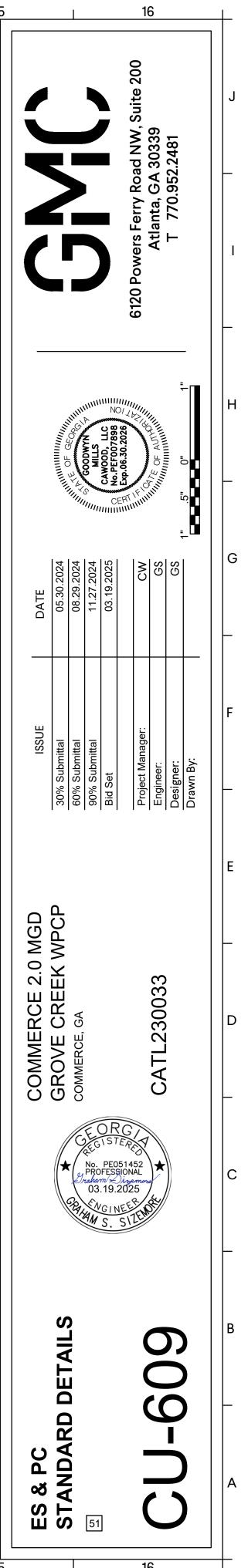








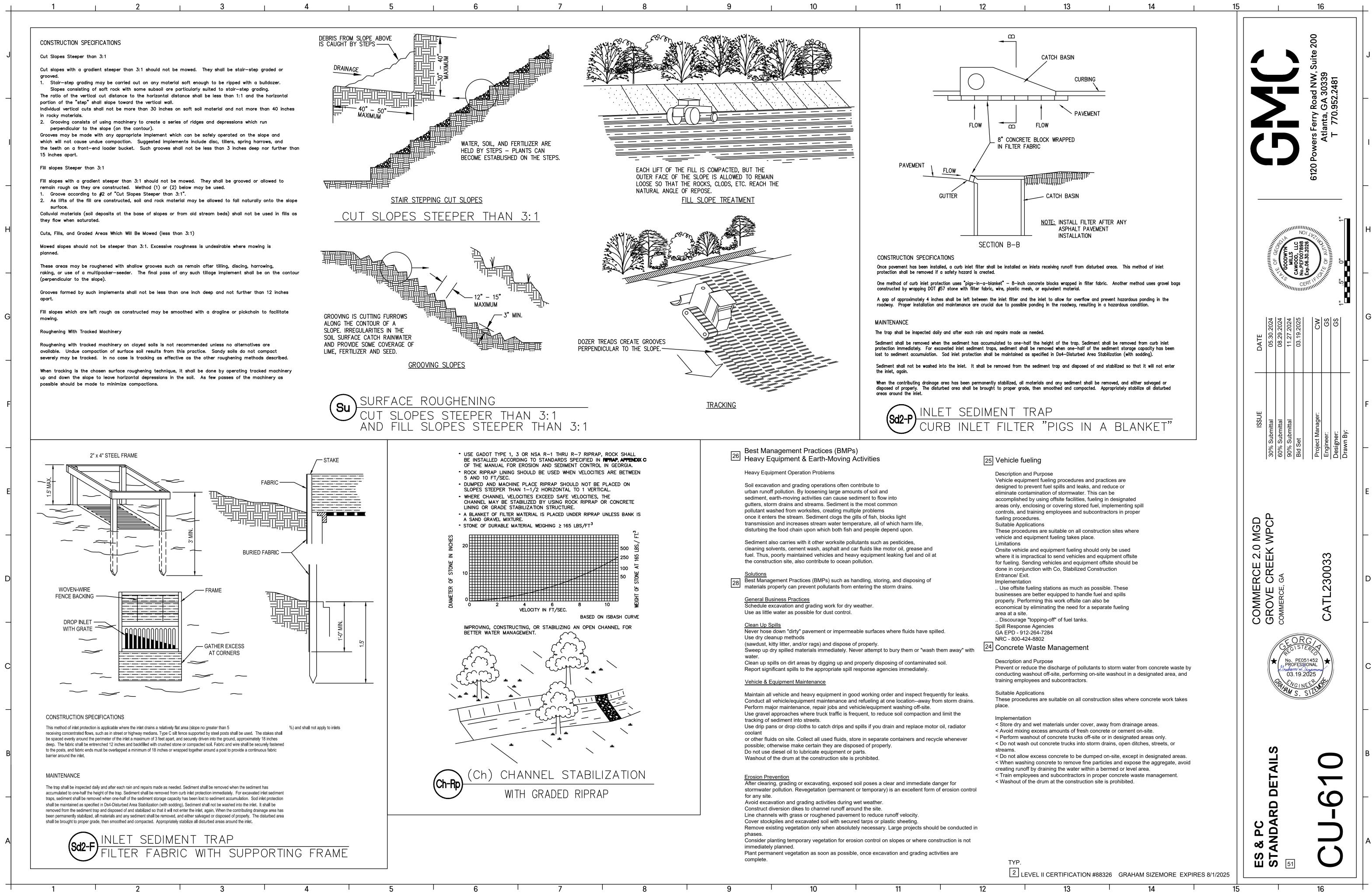




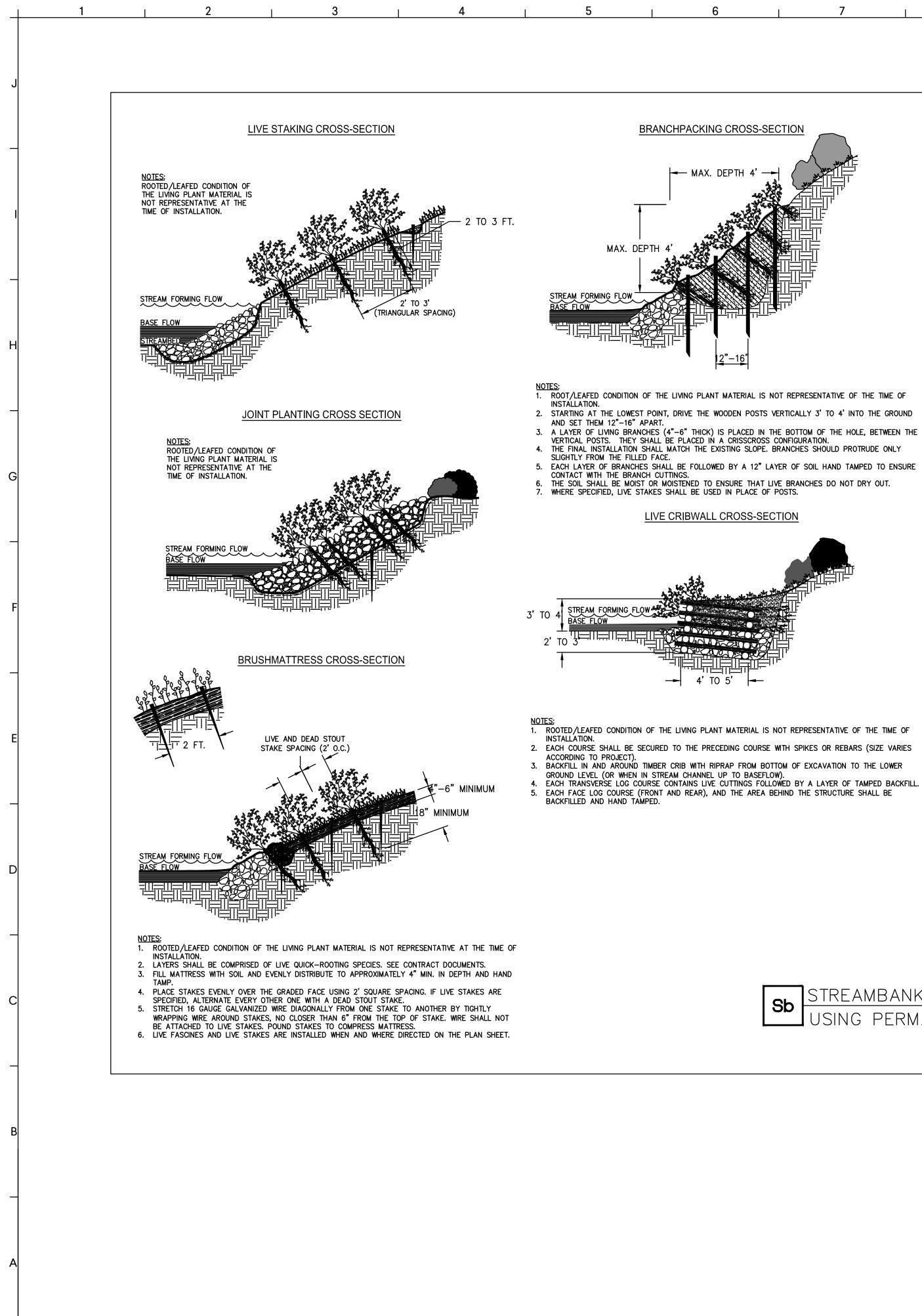
2 LEVEL II CERTIFICATION #88326 GRAHAM SIZEMORE EXPIRES 8/1/2025

TYP.

This drawing is and shall remain the property of Goodwyn, Mills and Cawood, Inc. (GMC) and Goodwyn Mills Cawood LLC (GMC). Unauthorized use of any kind including use on other projects is prohibited. In the event that a conflict arises between the sealed drawings and the electronic files, the sealed drawings will govern.

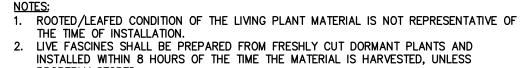


This drawing is and shall remain the property of Goodwyn, Mills and Cawood, Inc. (GMC) and Goodwyn Mills Cawood LLC (GMC). Unauthorized use of any kind including use on other projects is prohibited. In the event that a conflict arises between the sealed drawings and the electronic files, the sealed drawings will govern.



-5

1



LIVE FASCINE CROSS-SECTION DETAIL

- PROPERLY STORED.
- 3. LIVE FASCINE SHALL BE OBTAINED FROM SOURCES APPROVED BY ENGINEER.

FASCINE BUNDLE DETAIL

- 4. LIVE FASCINES SHALL BE 4"-8" IN DIAMETER WITH MINIMUM 8' LENGTH. 5. BEGINNING AT THE BASE OF THE SLOPE, A TRENCH SHALL BE DUG LARGE ENOUGH TO CONTAIN THE LIVE FASCINES. THE LIVE FASCINES SHALL BE PLACED IN THE TRENCH.
- WHERE ENDS MEET IN THE TRENCH, THE FASCINES SHALL OVERLAP BY 18". 6. THE TRENCH SHALL BE BACKFILLED WITH MOIST SOIL AND HAND TAMPED. THE TOP OF THE FASCINE SHALL BE SLIGHTLY EXPOSED WHEN THE INSTALLATION IS COMPLETE AS
- SHOWN ON CROSS SECTION. SEED OR OTHER EROSION CONTROL MATERIAL SHALL BE USED BETWEEN THE FASCINE ROWS, AS SPECIFIED IN THE CONTRACT DOCUMENTS.
- 8. LIVE FASCINE TRENCHES SHALL BE FROM 3' TO 8' APART, ACCORDING TO SLOPE AND/OR CONTRACT DOCUMENTS.

### DEFINITION THE USE OF READILY AVAILABLE NATIVE PLANT MATERIALS TO

MAINTAIN AND ENHANCE STREAMBANKS, OR TO PREVENT, OR RESTORE AND REPAIR SMALL STREAMBANK EROSION PROBLEMS.

PURPOSE -LESSEN THE IMPACT OF RAIN DIRECTLY ON THE SOIL. -TRAP SEDIMENT FROM ADJACENT LAND. -FORM A ROOT MAT TO

STABILIZE AND REINFORCE THE SOIL ON THE STREAMBANK. -PROVIDE WILDLIFE HABITAT. -ENHANCE THE APPEARANCE OF THE STREAM. -LOWER SUMMERTIME WATER TEMPERATURES FOR A HEALTHY

AQUATIC POPULATION.

NOTE: CAREFUL THOUGHT, PLANNING AND EXECUTION IS REQUIRED TO ASSURE THAT THE STREAMBANK STABILIZATION PROJECT IS DONE EFFICIENTLY AND CORRECTLY. PLEASE REFER TO SSWCC's GUIDELINES FOR STREAMBANK RESTORATION AND CHAPTERS 16 AND 18 OF THE NRCS ENGINEERING FIELD HANDBOOK FOR MORE DETAILED INFORMATION.

### SELECTED MEASURES

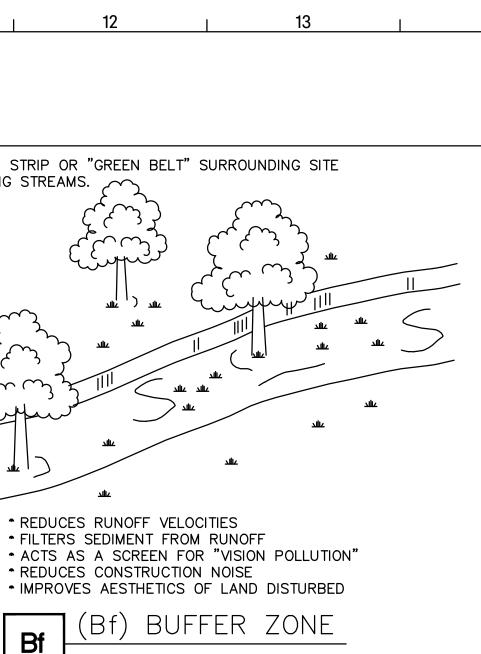
REVEGETATION INCLUDES SEEDING AND SODDING OF GRASSES, SEEDING IN COMBINATION WITH EROSION CONTROL FABRICS, AND THE PLANTING OF WOODY VEGETATION (SHRUBS AND TREES). REFER TO Ds3 - DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION), Ds4 - DISTURBED AREA STABILIZATION (WITH SODDING), AND Bf - BUFFER ZONE.

USE JUTE MESH AND OTHER GEOTEXTILES TO AID IN SOIL STABILIZATION AND REVEGETATION. REFER TO Ss - SLOPE STABILIZATION

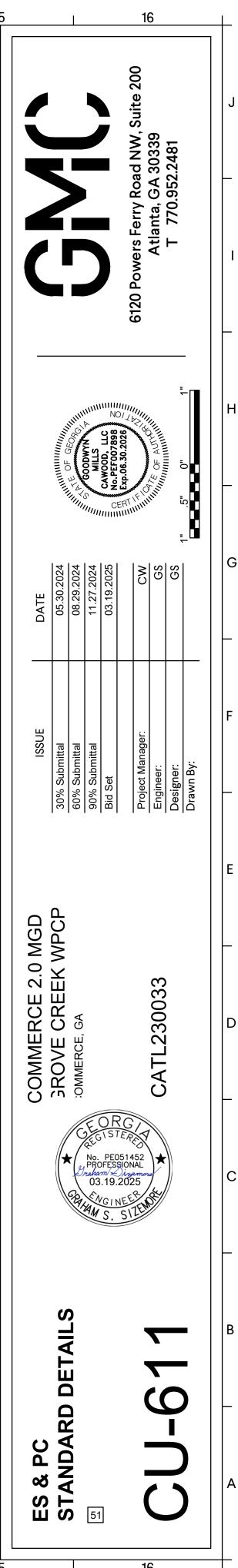
UNDISTURBED STRIP OR "GREEN BELT" SURROUNDING SITE OR BORDERING STREAMS. • REDUCES RUNOFF VELOCITIES • FILTERS SEDIMENT FROM RUNOFF • REDUCES CONSTRUCTION NOISE Bt Bf

12

# STREAMBANK STABILIZATION USING PERMANENT VEGETATION

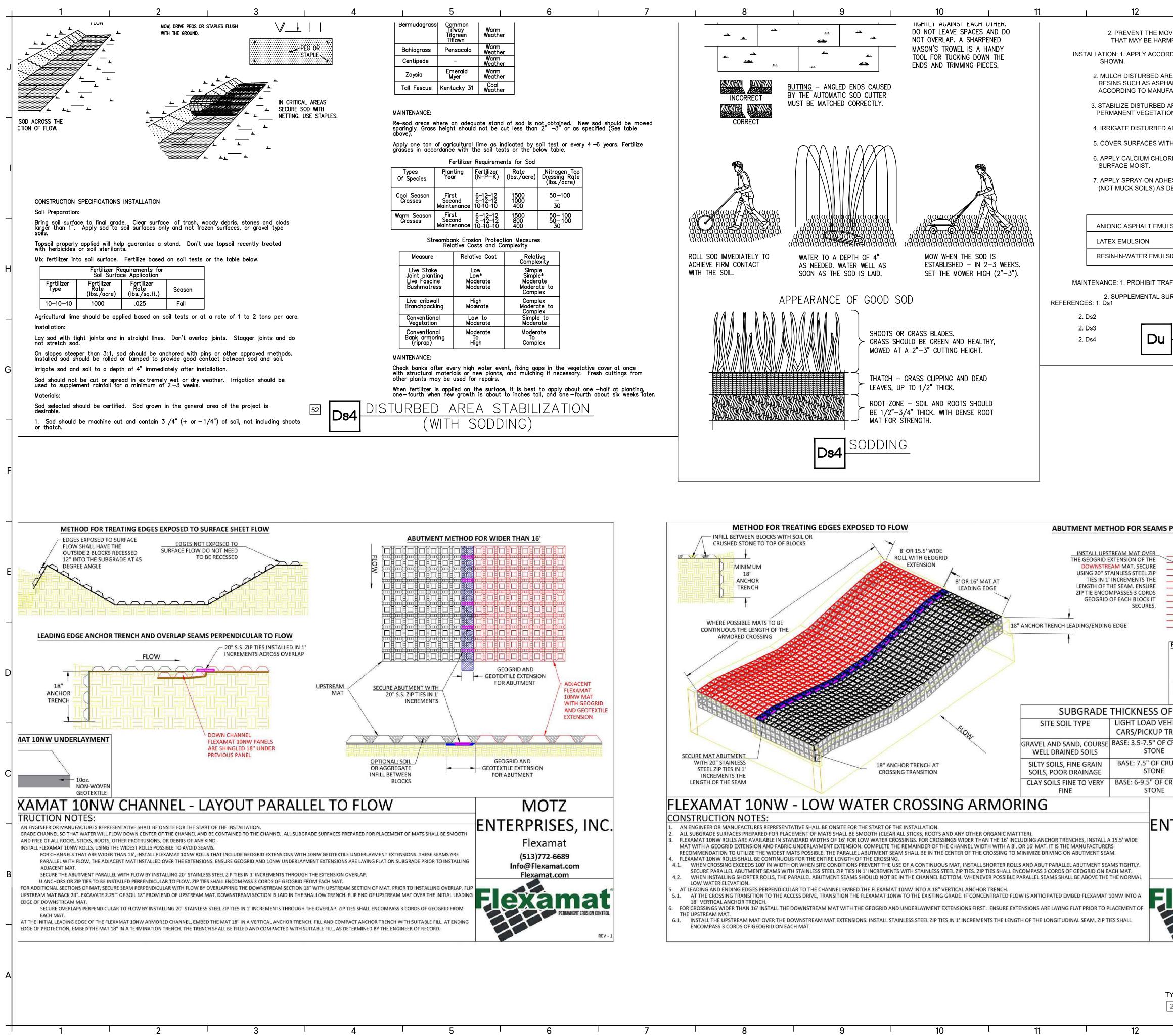


14



2 LEVEL II CERTIFICATION #88326 GRAHAM SIZEMORE EXPIRES 8/1/2025

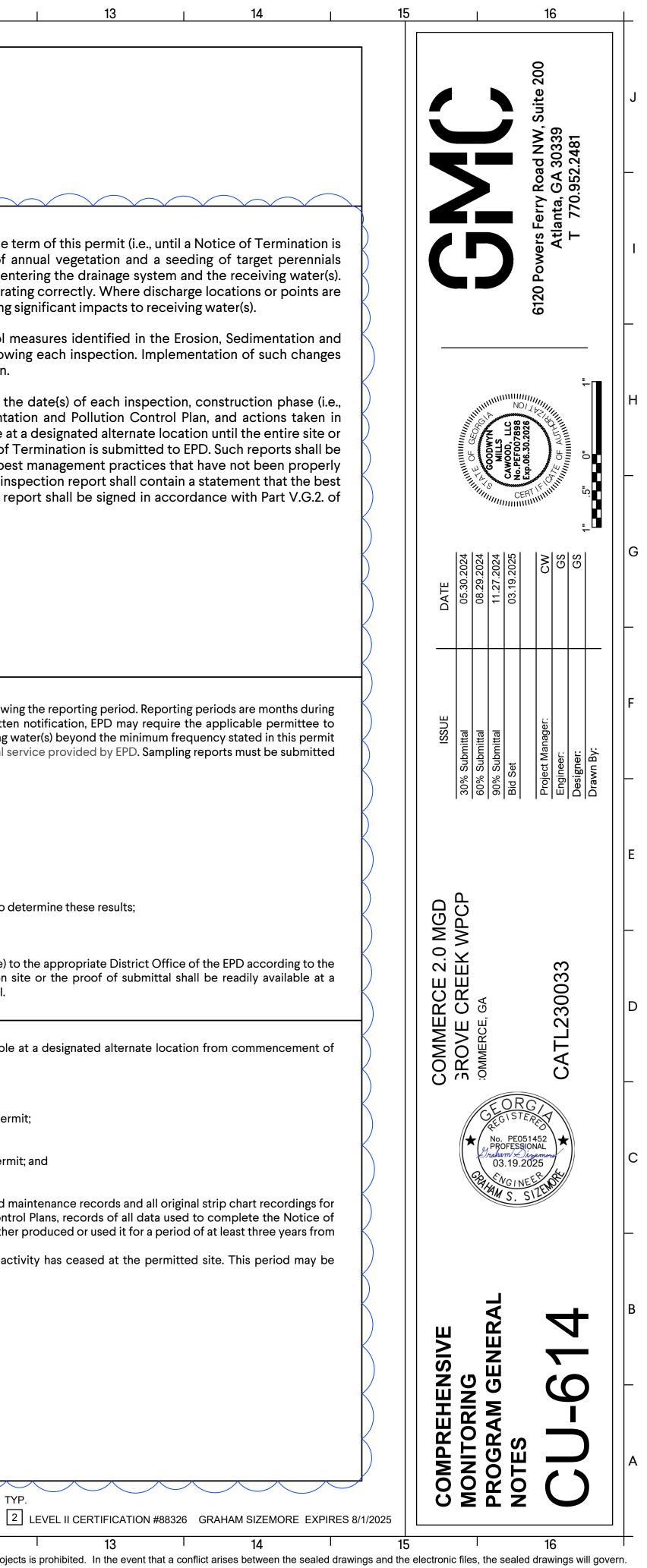
TYP.



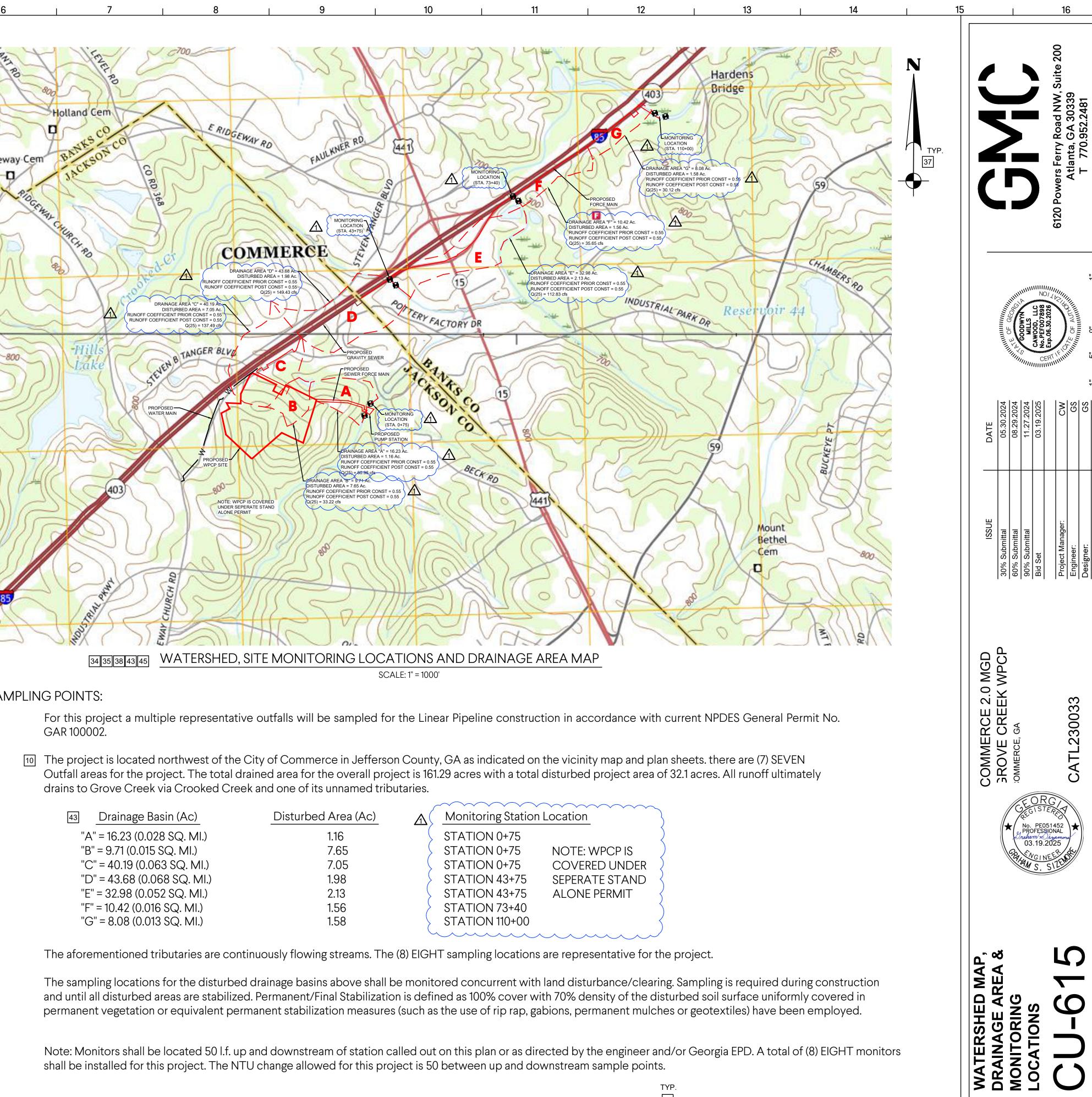
	13		14		<u>  1</u> !	5	1		16	
E MOVEMENT OF HARMFUL TO HE CORDINGLY TO	ALTH.								200	
D AREAS AND TA SPHALT, CURAS NUFACTURERS BED AREAS WITH FATION. BED AREAS UNTI	OL OR TER RECOMME I TEMPORA	RATACK NDATIONS RY OR					5		6120 Powers Ferry Road NW, Suite 200 Atlanta, GA 30339	70A
WITH CRUSHE									ers Ferry Atlanta, ( T	
		DILS							A A.	
AS DESCRIBED									6120 F	
EMULSION	7:1	COARSE SPRAY	1,200			-				_
MULSION	12.5:1 4:1	FINE SPRAY	235 300							-
TRAFFIC ON SU	VERING AS	NEEDED.	N S				A PART OF GEODINIA		A CAPACITY CAPACITY A	" .5" 0"
						DATE	05.30.2024 08.29.2024	11.27.2024 03.19.2025	GW GS	es e
MS PERPENDI		ITH FLOW				ISSUF	30% Submittal 60% Submittal	90% Submittal Bid Set	Project Manager: Engineer:	Designer: Drawn By:
FLEXAMAT		UNDERLAYMENT 10oz. NON-WOVEN GEOTEXTILE				COMMERCE 2.0 MGD	<b>SROVE CREEK WPCP</b> COMMERCE, GA		CATL230033	
VEHICLES: J JP TRUCKS OF CRUSHED NE F CRUSHED NE OF CRUSHED NE	HEAVY LOAD TRUCKS, F BASE: 7.5 S BASE: 9.5' S BASE: 10'	VEHICLES: LARGE RV'S, DELIVERY HICLES " OF CRUSHED TONE ' OF CRUSHED TONE ' OF CRUSHED TONE					× Sh	No. PEOE PROFESS Marry 20 03.19.2 MG I N M S.	G = R = 0 11452 ONAL typemon 025 44	)
		- S, INC.								
(51	lexama 13)772-66 PFlexamat	89					S			
	examat.co						AIL		C	J
		mat RMANENT ERDSION CONTROL					DET			
H		REV - 1					<b>\RD</b>		G	
										<b>)</b>
TYP.						С   С   Ц	STANDARD	51	C	)
2 LEVEL		CATION #88326 GF	RAHAM SIZEN	MORE EXPI			₽			
projects is prohib	13 bited. In the	event that a conflict	14 arises betwee	n the sealed	drawings and th		nic files, th	e seale	16 d drawings	will gover

G

GENERAL PERMIT No. GAR 100002 – EFFE REPRESENTATIVE SAMPLING ON INFRASTRUCTURE	
Receiving water samples and storm water discharge sa samples", as specified in Part IV.D.6 of the GAR 100002 permit.  A	nples will be collected by "grab Il "grab samples" will be collected
Z13 using the following methods	and procedures.
<ul> <li>SAMPLING REQUIREMENTS:</li> <li>SAMPLING REQUIREMENTS:</li> <li>SAMPLING REQUIREMENTS:</li> <li>SAMPLING REQUIREMENTS:</li> <li>SAMPLING REQUIREMENTS:</li> <li>(1). The primary permittee must sample in accordance with the Plan at least once for each rainfall event described below. For a qualifying event, the permittee shall sample at the beginning of any storm water discharge to a monitored receiving water and/or from a monitored outfall location within forty-five (45) minutes or as soon as possible.</li> <li>(2). However, where manual and automatic sampling are impossible (as defined in this permit), or are beyond the permittee's control, the permittee shall take samples as soon as possible, but in no case more than twelve (12) hours after the beginning of the storm water discharge.</li> <li>(3). Sampling by the permittee shall occur for the following qualifying events:         <ul> <li>(a). For each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a storm water discharge that occurs during normal business hours as defined in this permit after all objets operations have been completed, but prior to completion of mass grading operations, in the drainage area of the location selected as the representative sampling location.</li> <li>(b). In addition to (a) above, for each area of the site that discharges to a receiving water or from an outfall, the first ampling event or after all mass grading operations have been completed, but prior to submittal of a NOT, in the drainage area of the location selected as the representative sampling location, whichever comes first:</li> <li>(c). At the time of asmpling performed pursuant to (a) and (b) above, if BMPs in any area of the site that discharges to a receiving water or from an outfall are not properly designed, installed and maintained, corrective action shall be defined and implemented within two (2) business</li></ul></li></ul>	REPORTING:       S0         With the provided by the primary permittee) shall inspect at least once per month durin submitted to EPD) the areas of the site that have undergone final stabilization or estabilished a cro appropriate for the region. These areas shall be inspected for evidence of, or the potential for, pollute Erosion and sediment control measures identified in the Plan shall be observed to ensure that they are accessible, they shall be inspected to ascertain whether erosion control measures are effective in prevention and co Pollution Control Plan, the Plan shall be revised as appropriate not later than seven (7) calendar days shall be made as soon as practical but in no case later than seven (7) calendar days following each inspection that includes the name(s) of certified personnel making each inspect initial, intermediate or final), major observations relating to the implementation of the Erosion, Sedi accordance with Part IV.D.4.a.(5), of the permit shall be made and retained at the site or be readily available by end of the second business day and/or working day and shall identify all incidents instabled and/or maintained as described in the Plan. Where the report does not identify any incidents, management practices are in compliance with the Erosion, Sedimentation and Pollution Control Plan. this permit.         REPORTING:       S0         A region as a NOT is submitted in accordance with Part VL.       2. All sampling reports shall be made and retained at the site of the month which samples are taken in accordance with this permit. Sampling results to the EPD by the fifteenth day of the month which samples are taken in accordance with the perost mast be submitted to EPD using the electronic subrit to EPD until such time as ANOT is submitted in accordance with Part VI.         2. All sampling reports shall include the following info
<ul> <li>INSPECTIONS:         <ul> <li>(I) Each day when any type of construction activity has taken place at a primary permittee's site, certified personnel provided by the primary permittee shall inspect (a) all areas at the primary permittee's site where petroleum products are stored, used, or handled for spills and leaks from vehicles and equipment and (b) all locations at the primary permittee's site where vehicles enter or exit the site for evidence of off-site sediment tracking. These inspections must be conducted until a Notice of Termination is submitted.</li> <li>(2). Measure and record rainfall within disturbed areas of the site that have not met final stabilization once every 24 hours except any non-working Saturday, non-working Sunday and non-working federal holiday. The data collected for the purpose of compliance with this permit shall be representative of the monitored activity. Measurement of rainfall may be suspended if all areas of the site have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region.</li> <li>(3). Certified personnel (provided by the primary permittee) shall inspect the following at least once every seven (7) calendar days and within 24 hours of the end of a storm that is 0.5 inches rainfall or greater (unless such storm ends after 5:00 PM on any priday or on any nonworking Saturday, non-working Saturday in which case the inspection site (b) areas used by the primary permittee's site shall be observed to ensure that they are operating correctly. Where elocations or points are accessible, they shall be inspected to ascred to precipitation; and (c) structural control measures. Erosion and sediment control measures identified in the Plan applicable to the primary permittee's site shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascreatain whether erosion control measure</li></ul></li></ul>	<ul> <li>i. Certification statement that sampling was conducted as per the Plan.</li> <li>3. All written correspondence required by this permit shall be submitted by return receipt certified mail (or similar se schedule in Appendix A of this permit. The permittee shall retain a copy of the proof of submittal at the construdesignated location from commencement of construction until such time as a NOT is submitted in accordance with P</li> <li>RETENTION OF RECORDS: 32</li> <li>1. The primary permittee shall retain the following records at the construction site or the records shall be readily a construction until such time as a NOT is submitted to EPD;</li> <li>b. A copy of all Notices of Intent submitted to EPD;</li> <li>b. A copy of all sampling information, results of the inspection conducted in accordance with Part IV.A.5. of d. A copy of all sampling information, results of the inspection conducted in accordance with Part IV.A.5. of d. A copy of all inspection reports generated in accordance with Part IV.D.4.a. of this permit;</li> <li>f. A copy of all inspection reports generated in accordance with Part IV.D.4.a. of this permit;</li> <li>f. A copy of all inspection collected in accordance with Part IV.D.4.a. of this permit;</li> <li>f. A copy of all information, collected in accordance with Part IV.D.4.a. of this permit;</li> <li>g. Daily rainfall information collected in accordance with Part IV.D.4.a. (2). of this permit;</li> <li>d. Copies of all Notices of Intent, Notices of Termination, inspection reports, sampling reports (including all calibratic continuous monitoring instrumentation), or other reports requested by the EPD. Erosion, Sedimentation and Pollutio Intent to be covered by this permit and all other records required by this permit.</li> <li>2. Copies of all Notices of Intent, Notices of Termination, inspection reports, sampling reports (including all calibratic continuous monitoring instrumentation), or other reports requested by the EPD. Erosion, Sedimentation and Pollutio Intent to be covere</li></ul>



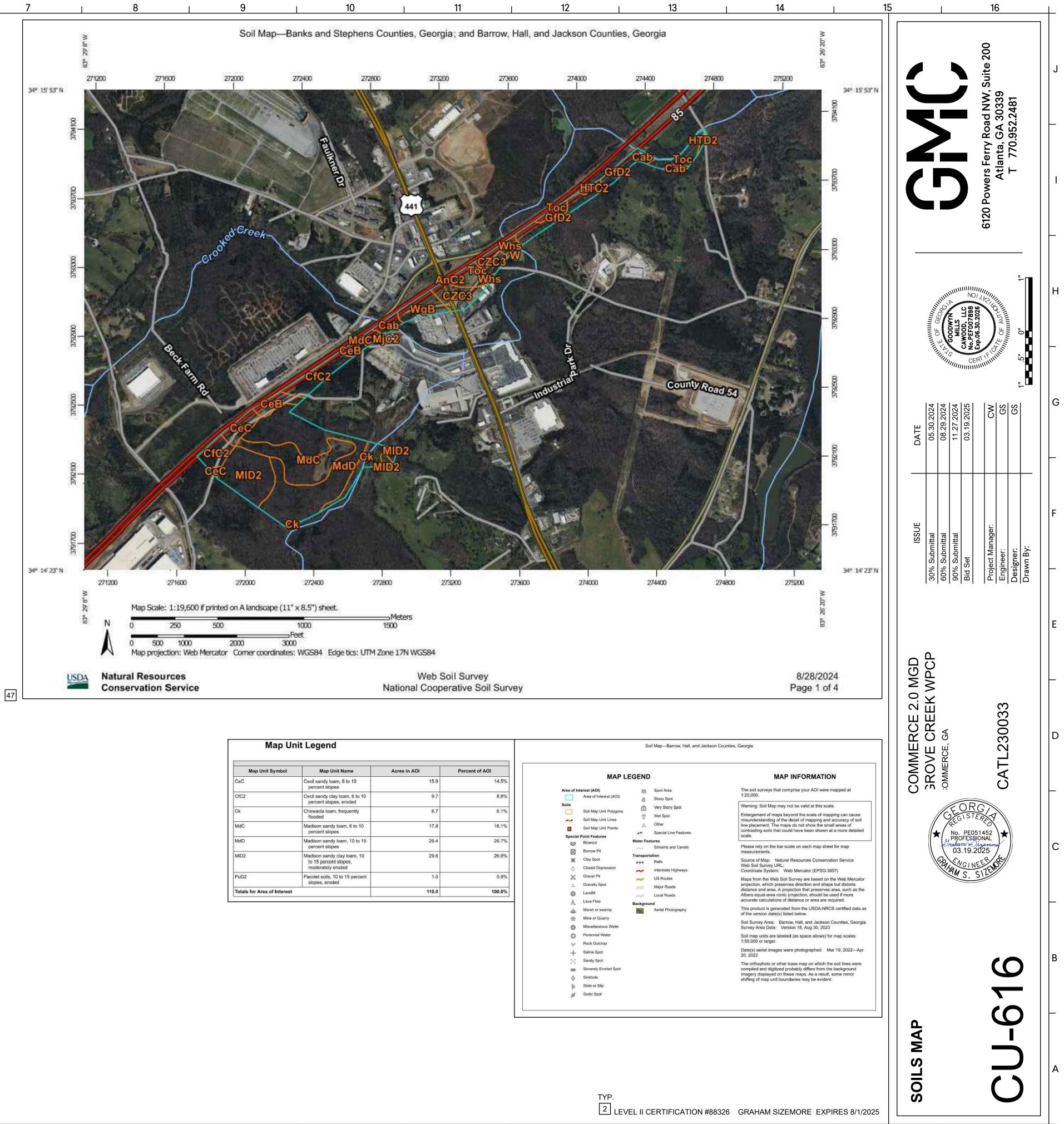
	1	I	2	2	I		3	I	4	I	5	<u> </u>	
				· \ I \ \ I							lyze the		
	PLES:					3 I U L						5	5
				ect and	d analyz	e the w	vater sar	nples sha	all be in	accordanc	e with the	$\leq$	<
10	0	procedu Il sample		oe grat	o sampl	es.						1	£
	• A	nalysis oʻ	f sampl	es mu	st be co	onducte					y and test	~	~
					•				•		have been	X	
			0								Guidance epared by	~	Rid
		ne EPD.	., ,										2
		ample co				•			•	•		eve	J
		•						0		ry containe should be	er. used for	~	2/
		•					0			oid contar		RIDGH	91
								•	•	•	his permit	01000	) (
											collection. r than the	×/(	)
			•				•				ed analysis	0	~
			,						0		oles is not	_	
		•	•	oles r	nay be	e analy	vzed di	rectly w	vith a	properly	calibrated	0	1
		urbidimet ampling :		alveie	of the	receivir	ן¢ wat≏	r(s) or or	Itfalls h	evond the	minimum	36	1
							0			,	Part IV.E of	))	6
	tł	ne permit	•									10	
		•		•			0				mediately		1
		•							•		permitted iated with	(()	5
	tł	ne permit	ted act	ivity.					C			1	1
				•			0				nstream of	11	4
								•	•		ctivity but permitted	) []	1
		ctivity.	Or arry	other	300111		noenarg				permitted	))	
		•						and ver	tical cer	nter of the	receiving	51	1
		vater(s) or						hottom	opdima	nte in tha	receiving	-1	2
		/are_shou /ater(s) or					0	DOLLOIII	seanne			20	)[
	• T	he sampl	ing con	tainer	should	be helc	l so that	•	ning face	es upstrear	n.	~	2)
	• T	he sampl	es shou	uld be	kept fre	ee trom	floating	debris.				25	3
C	Deviation	s from t	hese m	nethoc	ls and	proced	lures sh	all be d	ocumen	ted by th	e primary	1/6	)
	ermittee					-				,	. ,	10	
C	ampling	must ha	done ir	n <u>such</u>	2 10/21/	as to a	Curatol	v reflect	whatha	r storm w	ater runoff	11	-
		site is in c			•			•					
Ν	<b>/</b> easuren	nent of ra	ainfall m	nust be	e record	ded dail	ly (once	each two	entv-foi	ır hour per	iod) at the		
	ite.			NC			, , , , , , , , , , , , , , , , , , , ,				,		(
Т	he prim	ary permi	ittee m	ust sar	nple all	perenr	nial and	intermitte	ent strea	ams and o	ther water		
b	odies or	r all outfa	Ils into		•	•					n the map		
re	eference	ed in the p	permit.										
F	or infrast	tructure c	construc	ction p	projects	s, monit	oring ob	ligations	shall ce	ase for an	y phase of		
		ct that ha		•	2		•	0			-		
-													
<u>1</u>	ΝΙΟΜΑ	TRIX VAL	UE										
	•	•		•				•		1.29 Ac. (0.1	•		
		i is betwe able belov		•				e (32.1 ac	.) betwe	en 25.01-5	U.U acres.		
			Wa	aters Su	pporting \	Warm Wat	er Fisherie	s					
				Surface \	Water Draina	age Area, squ	uare miles						
		1 66 10	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	750	250-499.99				
		1.00-10 10.01-25	75 50	150 100	200 100	400 200	750 300	750 500	750 750	750 750			
	Site Size, acres	25.01-50	50	50	100	100	200	300	750	750			
		50.01-100	50	50	50	100	100	150	300	600			
		100.01+	50	50	50	50	50	100	200	100			
	1	i		)	I		3		Λ		Б.		
	-	1	~	-							г		



[43] Drainage Basin (Ac)	Disturbed Area (Ac)	Monitoring Station Location
"A" = 16.23 (0.028 SQ. MI.)	1.16	STATION 0+75
"B" = 9.71 (0.015 SQ. MI.)	7.65	STATION 0+75 NOTE: WPCP IS
"C" = 40.19 (0.063 SQ. MI.)	7.05	STATION 0+75 COVERED UNDER
"D" = 43.68 (0.068 SQ. MI.)	1.98	STATION 43+75 SEPERATE STAND
"E" = 32.98 (0.052 SQ. MI.)	2.13	STATION 43+75 ALONE PERMIT
"F" = 10.42 (0.016 SQ. MI.)	1.56	STATION 73+40
"G" = 8.08 (0.013 SQ. MI.)	1.58	STATION 110+00

2 LEVEL II CERTIFICATION #88326 GRAHAM SIZEMORE EXPIRES 8/1/2025

1	1 1	2	I		3		4			5   6
T		Banks and Stephens	Counties, Georgia							
		Map unit symbol and soil name	Pct. of Hydrologic map unit group	Depth	USDA texture	Classifica		Pct Fragmo	ents 3-10	Percentage passing sieve number— Liquid Plasticity index
				In		Unified	AASHIO	inches	inches L-R-H	4 10 40 200 4 10 40 L-R-H L-R-H L-R-H L-R-H
J		AnC2—Appling sandy clay loam, 2 to 10 percent slopes, eroded								
		Appling	100 B	0-9	Sandy clay loam	CL, CL- ML, SC,	A-4, A-6	0- 0- 0	0- 3- 5	95-98-100 85-93-100 70-83- 95 40-55- 70 20-30-40 ###################################
-				Sep-3	5 Sandy clay, clay loam, clay	SC-SM CL, MH,	A-7	0- 0- 0	0- 3- 5	95-98-100 90-95-100 70-83- 95 51-66- 80 41-58-74 15-23-30
				35-46	Sandy clay, clay loam, sandy	ML CL, SC	Δ-4 Δ-6		0-3-5	95-98-100 85-93-100 70-80-90 40-58-75 25-35-45 ##########
				33 40	clay loam Sandy clay loam, clay loam,	SC-SM,	A-7	000	0.5.5	55 56 106 65 55 106 76 66 56 46 56 75 25 55 45 488888888
I				46-65	sandy loam	SC, CL- ML, CL	A-2, A-4, A-6	0- 0- 0	0- 0- 0	80-90-100 70-85-100 60-70-80 30-45-60 20-37-54 ####################################
		Cab—Cartecay Ioam, 0 to 2 percent slopes, occasionally flooded								
_		Cartecay, occasionally flooded	95 A/D	0-9	Fine sandy loam, loam, sandy loam, loamy sand	ML, CL, CL-ML	A-4, A-6	0- 0- 0	0- 0- 0	95-97-100 90-93-100 72-84- 99 47-64- 77 25-35-40 ##########
				Sep-40	Sandy loam, fine sandy loam, D loam, loamy sand, gravelly sandy loam	SM, SC, SC-SM	A-2, A-4, A-2-4	0- 0- 0	0- 0- 0	90-95-100 68-83-100 49-63- 82 23-32-44 17-25-30 2/8/2012
Н				40-80	Loamy sand, sand, sandy Ioam, sandy Ioam, Ioamy sand, silt Ioam, sandy clay Ioam, silty clay Ioam, Ioam,	SC-SM, SP-SM	A-1, A-3, A-2, A-2- 4	0- 0- 0	0- 0- 0	86-92-100 39-84-100 24-64- 94 ######### 0-22-45 NP-6-25
_		CZC3—Cecil sandy clay loam, 6 to 10 percent slopes, severely eroded			very gravelly sandy loam					
		Cecil	100 B	0-7	Sandy clay loam	CL, ML, SC, SM	A-4, A-6	0- 0- 0	0- 3- 5	75-88-100 75-88-100 68-82- 95 38-60- 81 21-28-35 ####################################
G				11-Ju	l Sandy clay loam, clay loam	CL, ML, SC, SM	A-4, A-6	0- 0- 0	0- 3- 5	75-88-100 75-88-100 68-82- 95 38-60- 81 21-28-35 ####################################
				Nov-50	) Clay, clay loam	CH, MH, ML	A-5, A-7	0- 0- 0	0- 3- 5	97-99-100 92-96-100 72-86-100 55-75- 95 41-61-80 ####################################
				50-75	Clay loam, sandy clay loam, sandy loam	SC-SM, SC, CL-	A-2, A-4, A-6	0- 1- 1	0- 1- 2	80-90-100 70-85-100 60-70- 80 30-45- 60 20-28-35 ####################################
		GfD2—Gwinnett sandy loam, 10 to 15 percent slopes, eroded				ML, CL				
F		Gwinnett	100 B	0-8	Sandy loam	ML, SC, SC-SM,	A-2, A-4, A-6	0- 0- 0	0- 2- 3	95-98-100 85-93-100 65-78- 90 30-45- 60 15-24-32 NP-6-12
				Aug-3	5 Clay, sandy clay, clay loam	SM CH, CL,		0- 0- 0	0- 2- 4	95-98-100 90-95-100 75-85- 95 51-66- 80 38-52-65 16-23-30
				35-50	Sandy clay loam, clay loam,	MH, ML CL, ML,	A-4, A-6	0- 0- 0	0- 3- 6	90-95-100 85-93-100 80-85- 90 35-58- 80 25-33-40 ##########
				50-53	loam Weathered bedrock	SC —	_	_	_	
		HTD2— Hiwassee clay loam, 10 to 15 percent slopes, eroded								
Е		Hiwassee	100 B	0-7	Clay loam	CL, CL- ML, SC,	A-4, A-6	0- 0- 0	0- 0- 0	94-97-100 84-92-100 75-85- 95 40-55- 70 25-33-40 ####################################
				12-Ju	l Clay Ioam	SC-SM CL	A-6	0- 0- 0	0- 0- 0	96-98-100 90-95-100 75-85- 95 50-63- 75 25-33-40 ####################################
				Dec-5	3 Clay	CH, CL, MH, ML	A-6, A-7	0- 0- 0	0- 0- 0	96-98-100 95-98-100 85-93-100 65-75- 85 35-50-65 ##########
				53-72	Clay, clay loam, sandy clay Ioam	CL, MH, ML	A-4, A-6, A-7	0- 0- 0	0- 0- 0	95-98-100 90-95-100 75-88-100 50-68- 85 20-43-65 ##########
		MjC2—Madison fine sandy loam, 6 to 10 percent slopes, eroded								
D		Madison	100 B	0-6	Fine sandy loam	ML, SM, SC-SM	A-2, A-4	0- 0- 0	0- 2- 3	85-93-100 80-90-100 60-75- 90 26-41- 55 15-25-35 NP-4-8
				30-Jur	n Clay, clay loam, sandy clay	MH, ML	A-7	0- 0- 0	0- 2- 3	90-95-100 85-93-100 75-88-100 57-71- 85 43-59-75 ##########
				30-35	Clay loam, sandy clay loam, loam	CL	A-6, A-4	0-0-0	0- 2- 3	90-95-100 85-93-100 70-83- 95 50-65- 80 20-30 -40 ##################################
				35-66	Fine sandy loam, sandy loam, loam	ML, SM	A-4, A-2	0- 0- 0	0- 3- 5	85-93-100 80-90-100 60-75- 90 26-41- 55 15-25-35 NP-4-7
		Toc—Toccoa sandy Ioam, 0 to 2 percent slopes, occasionally flooded								
С		Toccoa, occasionally flooded	100 A	0-5	Sandy Ioam, Ioam	SC-SM, SM	A-4, A-2- 4	0- 0- 0	0- 0- 0	91-95-100 77-87-100 53-69- 87 23-37- 54 0-24-30 NP-6-9
-				May-48	3 Sandy Ioam, Ioam	SM, SC, SC-SM	A-4, A-2- 4	0- 0- 0	0- 0- 0	95-96-100 85-91-100 58-71-88 24-37-56 0-22-30 NP-6-12
				48-80	Sandy loam, loam, loamy sand	SM, CL	A-4	0- 0- 0	0- 0- 0	95-96-100 85-91-100 66-79-100 38-55- 77 16-21-31 2/6/2013
_		WgB—Wickham sandy loam, 2 to 6 percent slopes								
		Wickham	95 B	0-7	Sandy loam	CL, SC- SM, CL- ML, SC	A-6, A-4	0- 0- 0	0- 0- 0	100-100- 84-98-100 54-76-100 26-40- 77 20-27-30 ######### 100
D				Jul-40	Sandy clay loam, clay loam, Joam	CL, SC	A-7-6, A- 7, A-6	0- 0- 0	0- 0- 0	100-100- 75-96-100 55-84-100 30-49- 81 28-36-44 ###################################
В				40-60	Gravelly sandy loam	SC-SM, SC	7, А-б А-2-4	0- 0- 0	0- 0- 0	77-80-100 69-75-100 45-59-100 21-31- 76 19-22-26 4/7/2009
		Whs—Wehadkee soils, 0 to 2 percent slopes, frequently flooded				50				
		Wehadkee, frequently flooded	95 B/D	0-8	Sandy clay loam, silt loam, sandy loam, loam	CL	A-6	0- 0- 0	0- 0- 0	100-100- 100-100- 100 100 75-92-100 55-78-100 16-35-41 ####################################
		,		14-Au	g Loam, sandy loam, silt loam	CL-ML	A-4	0- 0- 0	0- 0- 0	100-100- 100-100- 100 100 75-87- 99 48-62- 75 15-20-27 2/4/2008 100 100
А				14-35	Silt Ioam, Ioam, sandy clay Ioam, clay Ioam, silty clay Ioam, sandy Ioam	CL	A-5, A-4, A-6	0- 0- 0	0- 0- 0	100-100- 100-100- 81-98-100 51-72-100 0-35-45 NP-17-22 100 100
				35-80	Loam, sand, sandy clay loam, clay loam, sandy loam, sandy clay, loamy sand	SM, ML, SC	A-6, A-4, A-5, A-7- 6	0- 0- 0	0- 0- 0	100-100- 100-100- 76-94-100 31-47- 77 0-30 -44 NP-17-25 100 100
+	1	2	I		3		4			5 6



Map Ur	nit Legend		
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CeC	Cecil sandy loam, 6 to 10 percent slopes	15.9	14.5%
CfC2	Cecil sandy clay loam, 6 to 10 percent slopes, eroded	9.7	8.8%
Ck	Chewacla loam, frequently flooded	6.7	6.1%
MdC	Madison sandy loam, 6 to 10 percent slopes	17.8	16.1%
MdD	Madison sandy loam, 10 to 15 percent slopes	29.4	26.7%
MID2	Madison sandy clay loam, 10 to 15 percent slopes, moderately eroded	29.6	26.9%
PuD2	Pacolet soils, 10 to 15 percent slopes, eroded	1.0	0.9%
Totals for Area of Interest		110.0	100.0%

	terest (A Area o
Boils	
	Soil M
~	Soil M
	Soil M
Special	Point Fe
()	Blowou
$\boxtimes$	Borrow
ж	Clay S
$\diamond$	Closed
×	Gravel
*	Gravel
0	Landfil
A	Lava F
1	Marsh
衆	Mine o
0	Miscell
0	Perenr
$\vee$	Rock C
+	Saline
:-:	Sandy
-	Severe
0	Sinkho
ò	Slide o
ø	Sodic 1

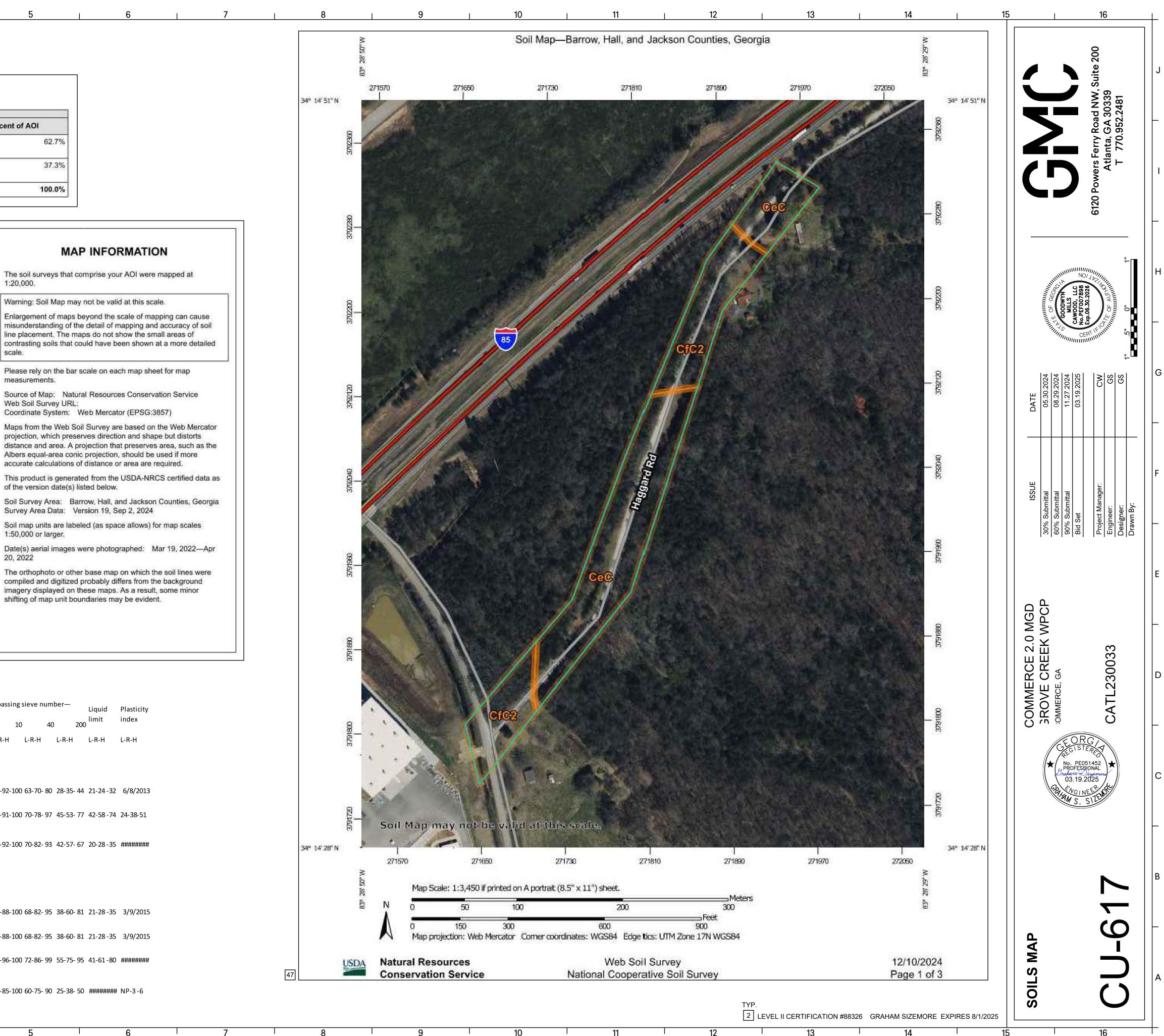
ļ This drawing is and shall remain the property of Goodwyn, Mills and Cawood, Inc. (GMC) and Goodwyn Mills Cawood LLC (GMC). Unauthorized use of any kind including use on other projects is prohibited. In the event that a conflict arises between the sealed drawings and the electronic files, the sealed drawings will govern.

Map Unit Legend						
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI			
CeC	Cecil sandy loam, 6 to 10 percent slopes	4.2	62.7%			
CfC2	Cecil sandy clay loam, 6 to 10 percent slopes, eroded	2.5	37.3%			
Totals for Area of Interest		6.7	100.0%			

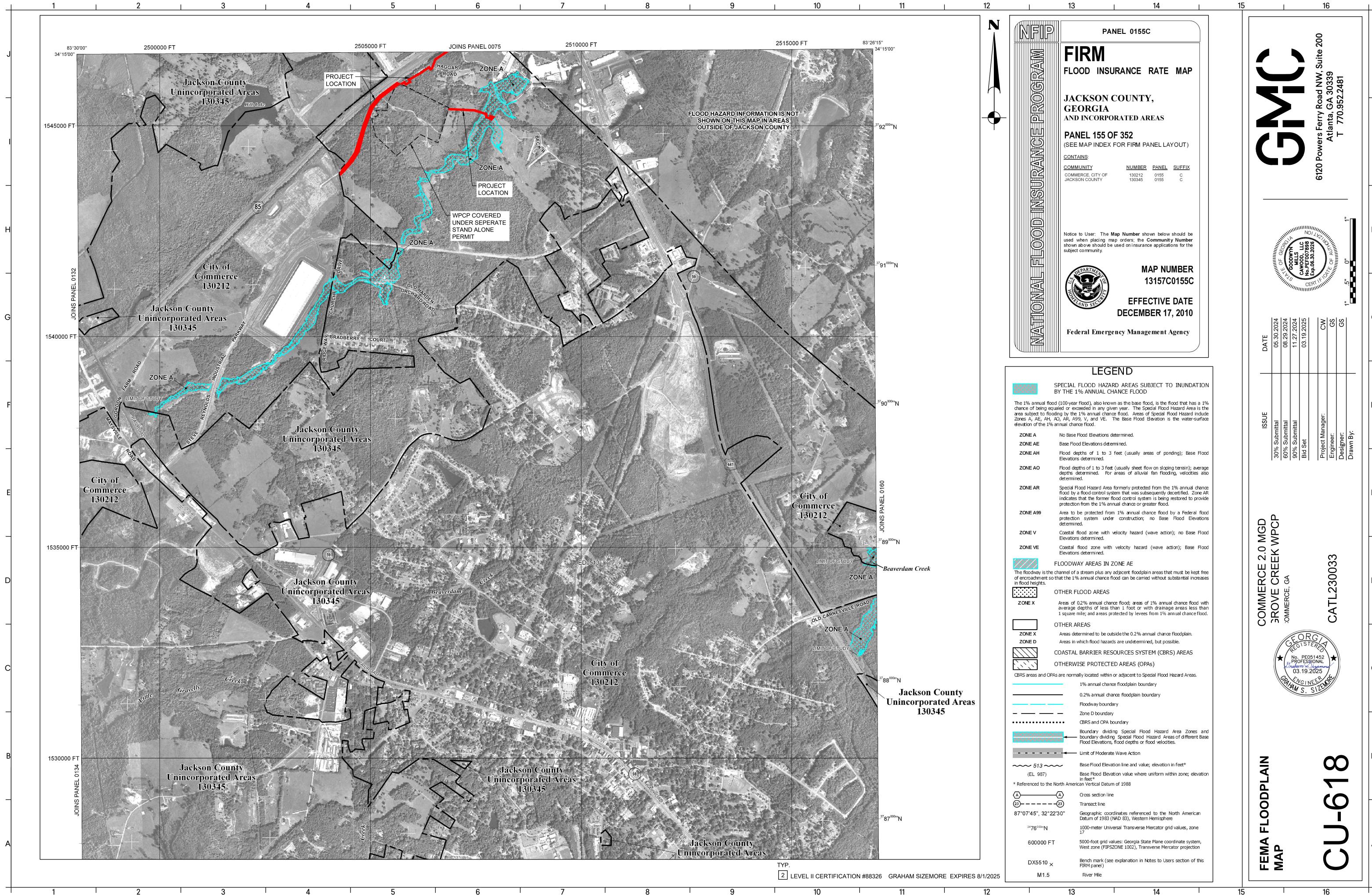
### MAP LEGEND The soil surveys that comprise your AOI were mapped at Area of Interest (AOI) Spoil Area 8 1:20,000. Area of Interest (AOI) Stony Spot 0 Warning: Soil Map may not be valid at this scale. Soils 0 Very Stony Spot Soil Map Unit Polygons Wet Spot 100 Soil Map Unit Lines ----Other line placement. The maps do not show the small areas of $\triangle$ Soil Map Unit Points Special Line Features .... scale. **Special Point Features** Water Features 0 Blowout Please rely on the bar scale on each map sheet for map Streams and Canals ~ $\otimes$ Borrow Pit measurements. Transportation Clay Spot 36 Rails +++ Web Soil Survey URL: Closed Depression 0 Interstate Highways Coordinate System: Web Mercator (EPSG:3857) ~ X Gravel Pit US Routes ~ Gravelly Spot Major Roads ~ Landfill O Local Roads 100 accurate calculations of distance or area are required. Lava Flow Background Aerial Photography Marsh or swamp 10of the version date(s) listed below. 帝 Mine or Quarry Miscellaneous Water 0 Survey Area Data: Version 19, Sep 2, 2024 Perennial Water 0 1:50,000 or larger. Rock Outcrop 14 Saline Spot + 20, 2022 20 Sandy Spot Severely Eroded Spot ------Sinkhole shifting of map unit boundaries may be evident. Slide or Slip Sodic Spot

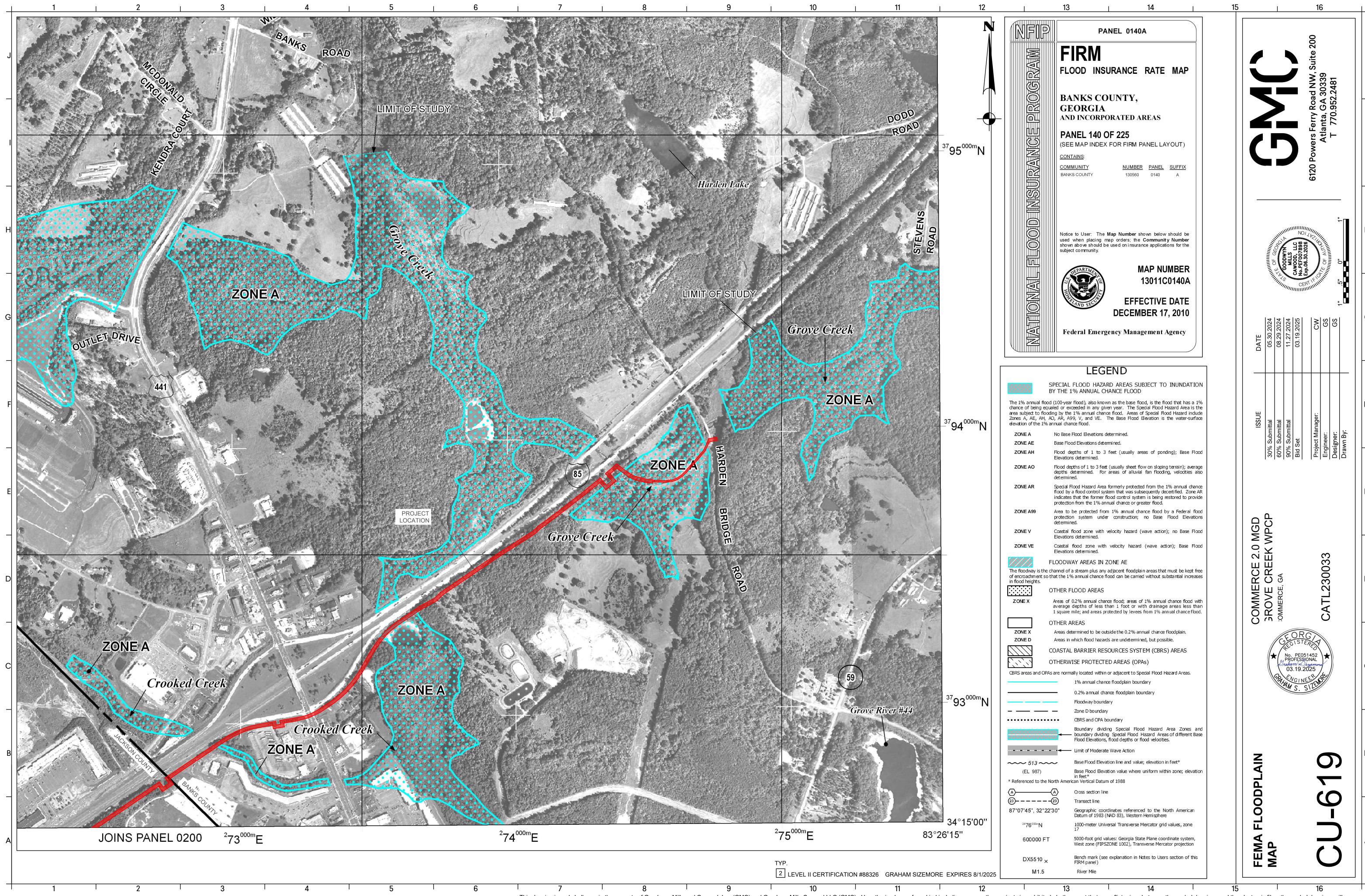
Barrow, Hall, and Jackson Counties, Georgia

	Map unit symbol and	Pct. of Hydrol	og		Classifica	tion	Pct Fragr	ments	Percent	age passi	ng sieve nu	ımber—	Liquid	Plasticit
_	soil name	map unit ic grou	Denth	USDA texture	Unified	AASHTO	>10 inches	3-10 inches		4	10	40 20	limit )	index
			In				L-R-H	L-R-H	L-R-H	L-R-H	L-R-H	L-R-H	L-R-H	L-R-H
С	CeC—Cecil sandy loam, 6 to 10 percent slopes													
	Cecil	100 B	0-8	Sandy loam	SC-SM, SC	A-2-4, A- 4	0- 0- 0	0- 0- 0	95-97-10	00 87-92-	100 63-70-3	80 28-35-44	21-24-32	6/8/203
			Aug-42	Clay, clay loam, sandy clay	CH, SC	A-7-6	0- 0- 0	0- 0- 0	95-97-10	00 86-91-	100 70-78-	97 45-53-77	42-58-74	24-38-5:
			42-60	Sandy Ioam, Ioam, sandy clay Ioam	SC-SM, CL	A-4, A-6	0- 0- 0	0- 0- 0	95-97-10	00 87-92-	100 70-82-	93 42-57-67	20-28-35	#######
В	CfC2—Cecil sandy clay loam, 6 to 10 percent slopes, eroded													
	Cecil	100 B	0-7	Sandy clay loam	CL, ML, SC, SM	A-4, A-6	0- 0- 0	0- 3- 5	75-88-10	00 75-88-	100 68-82-	95 38-60-81	21-28-35	3/9/202
			11-Jul	Sandy clay loam, clay loam	CL, ML, SC, SM	A-4, A-6	0- 0- 0	0- 3- 5	75-88-10	00 75-88-	100 68-82-	95 38-60-81	21-28-35	3/9/20:
			Nov-50	) Clay, clay loam	CH, MH, ML	A-5, A-7	0- 0- 0	0- 3- 5	97-99-10	00 92-96-	100 72-86- 1	99 55-75-95	41-61-80	#######
A			50-75	Sandy loam, fine sandy loam, loam, gravelly sandy loam	SC-SM, SM	A-2-4, A- 4	0- 1- 1	0- 1- 2	80-90-10	00 70-85-	100 60-75-	90 25-38-50	****	* NP-3-6
+	1	1	2		3			4			5	Г		6

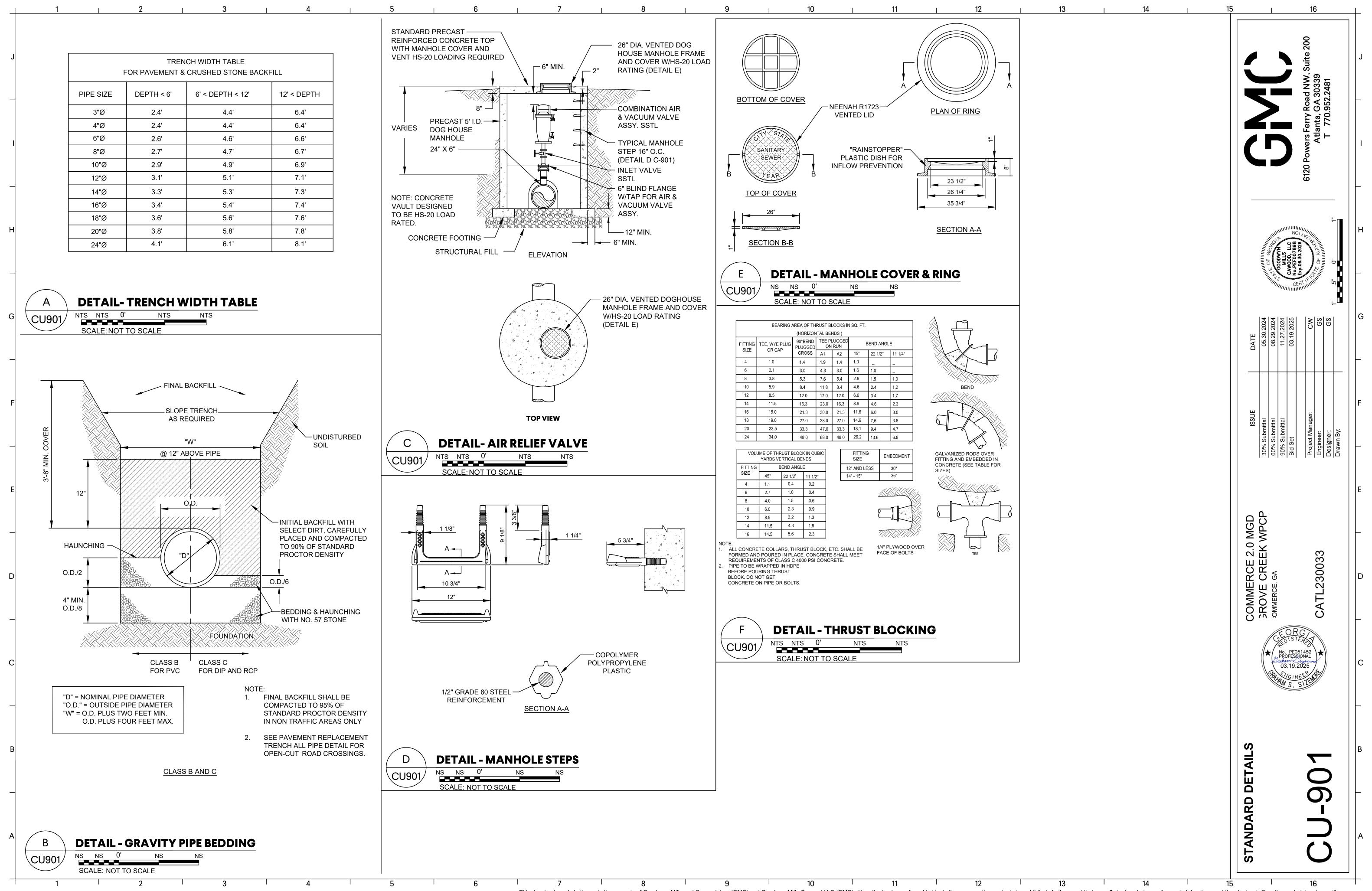


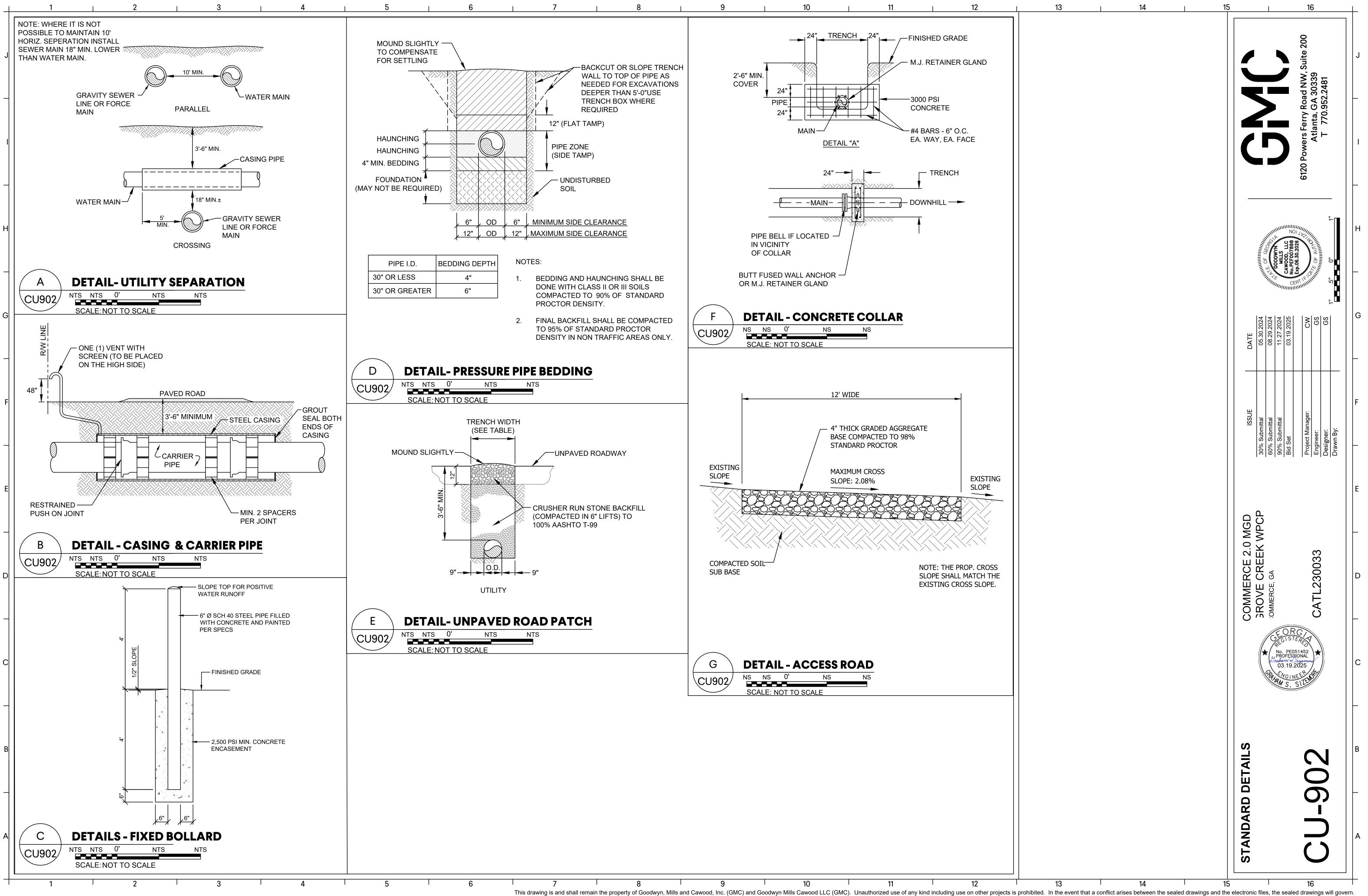
This drawing is and shall remain the property of Goodwyn, Mills and Cawood, Inc. (GMC) and Goodwyn Mills Cawood LLC (GMC). Unauthorized use of any kind including use on other projects is prohibited. In the event that a conflict arises between the sealed drawings and the electronic files, the sealed drawings will govern.

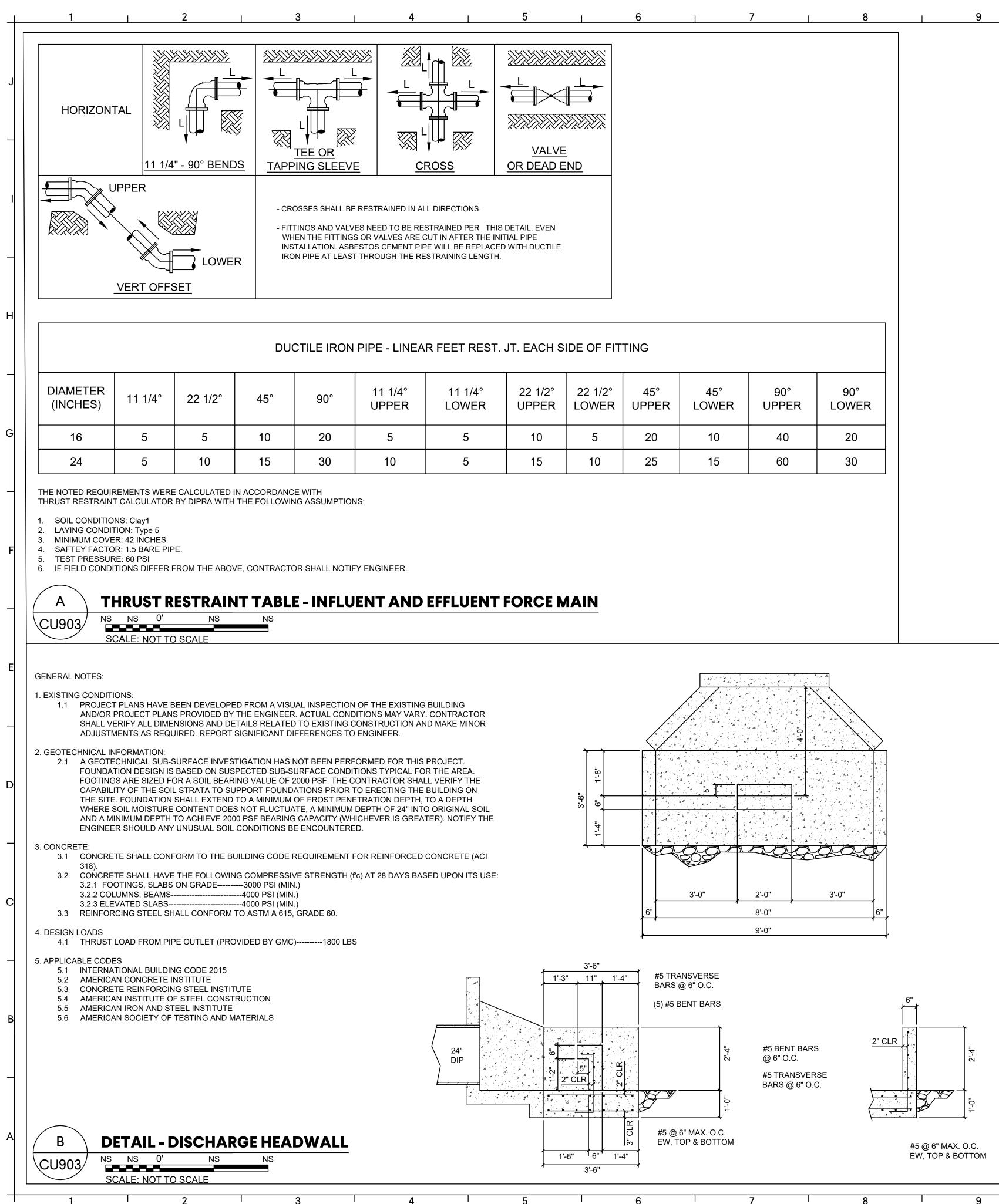


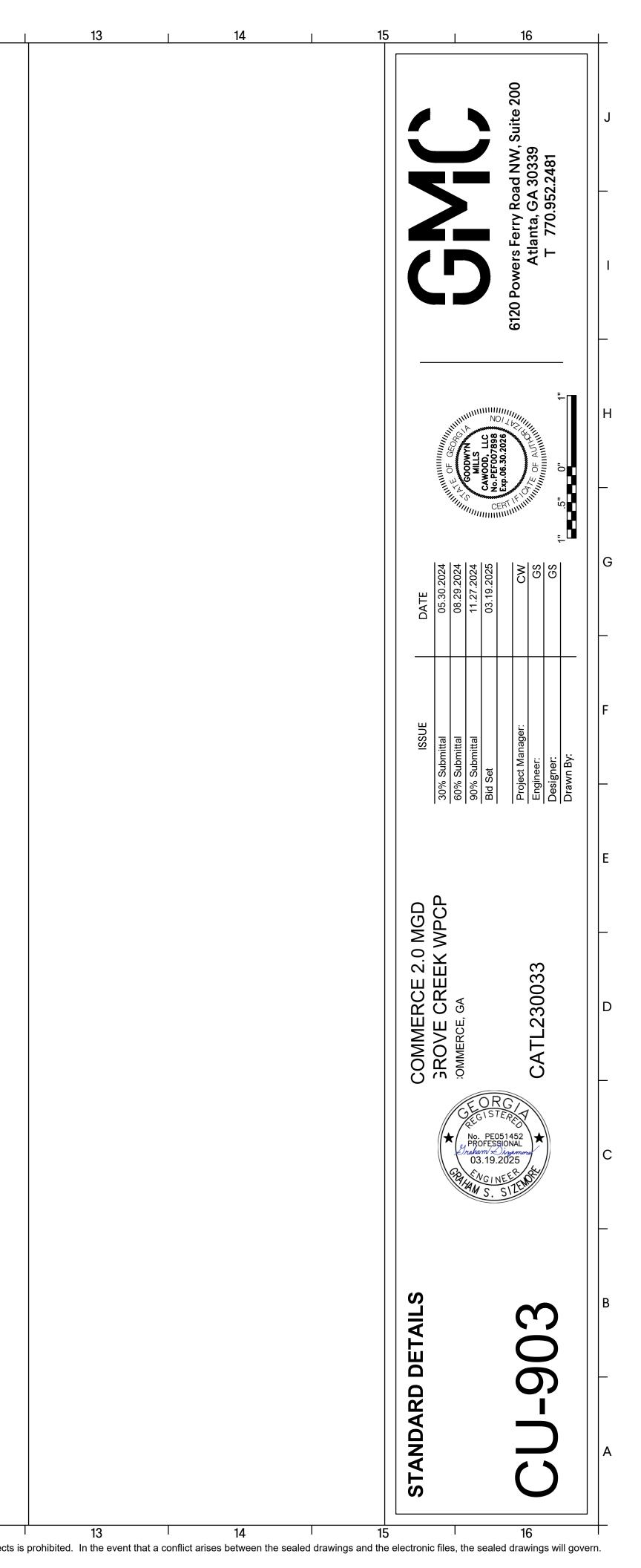


This drawing is and shall remain the property of Goodwyn, Mills and Cawood, Inc. (GMC) and Goodwyn Mills Cawood LLC (GMC). Unauthorized use of any kind including use on other projects is prohibited. In the event that a conflict arises between the sealed drawings and the electronic files, the sealed drawings will govern.









+	1   2   3   4   5	6
J		
_	GENERAL NOTES: 1. THE CONTRACTOR SHALL FURNISH ALL SERVICES, EQUIPMENT, MATERIALS, TOOLS AND LABOR REQUIRED FOR COMPLETE AND PROPER INSTALLATION AND TESTING OF HDPE USING HORIZONTAL DIRECTIONAL DRILLING (HDD) METHODS AT THE LOCATIONS SHOWN ON THE DRAWINGS.	
	2. ALL HDD ACTIVITIES SHALL CONFORM TO THE REQUIREMENTS OF ASTM F1962 AND CHAPTER 12 OF THE PPI HANDBOOK.	
I	3. ALL DEPTHS FOR DRILLING SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 15FT OF VERTICAL CLEARANCE BETWEEN THE TOP OF THE BOREHOLE AND THE OBSTACLE BEING BORED.	
	4. THE CONTRACTOR SHALL FURNISH AND INSTALL FULLY PRESSURE RATED HDPE FABRICATED FITTINGS AS REQUIRED TO CONNECT THE DRILLED PIPE TO THE REST OF THE PIPELINE ALIGNMENT AT THE PROPER DEPTH AT EACH END OF THE BORE. 5. THE CONTRACTOR SHALL SUBMIT A WORK PLAN TO THE ENGINEER WITHIN 2 WEEKS OF THE NOTICE TO PROCEED CONTAINING THE	
_	A. A COMPLETE LIST OF CONSTRUCTION MATERIALS, EQUIPMENT AND SUPPLIES INCLUDING HDPE FITTINGS, DRILLING, MUD, AND	
	B. SPECIFICATIONS ON TYPE OF DRILLING EQUIPMENT INCLUDING DRILLING RIG, MUD SYSTEM, MUD MOTORS, DOWN-HOLE	
н	TOOLS, GUIDANCE SYSTEM, AND SAFETY SYSTEMS. C. WORK PLAN CONSISTING OF A DETAILED PROCEDURE AND SCHEDULE TO BE USED, LIST OF PERSONNEL AND THEIR	
	QUALIFICATIONS, LIST OF SUBCONTRACTORS, A SAFETY PLAN(INCLUDING MSDS OF ANY POTENTIALLY HAZARDOUS SUBSTANCES), THE METHOD OF DRILLING FLUID DISPOSAL AND AN ENVIRONMENTAL PROTECTION PLAN.	
_	D. BORE PLAN CONSISTING OF A SCALED DRAWING OF THE PILOT BORE PLAN FOR REVIEW. SHOW FINISHED GRADE, DEFLECTION RADIUS OF THE PILOT BORE, ALL EXISTING UTILITIES WITH MINIMUM VERTICAL AND HORIZONTAL CLEARANCES. ADDRESS THE LOCATION OF THE DRILL RIG SETUPS, THE LENGTHS OF EACH BORE BASED ON SOIL CONDITIONS, EQUIPMENT USED, TOPOGRAPHY, ETC. THE PROPOSED VERTICAL AND HORIZONTAL CLEARANCES BETWEEN THE BORED PIPE AND ANY EXISTING/PROPOSED CONFLICTING PIPES, CONDUITS OR OBSTRUCTIONS SHALL BE AT LEAST TWO TIMES THE GUIDANCE SYSTEM ACCURACY TOLERANCE.	
	E. SUBMIT SUPPORTING CALCULATIONS, CERTIFICATIONS OR MATERIALS DEMONSTRATING THE STRENGTH OF THE PRODUCT PIPE ARE ABLE TO WITHSTAND THE DESIGN AND CONSTRUCTION STRESSES AND PRESSURES.	IF COI TRANSITIO
G	6. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING FIVE DAYS PRIOR TO THE COMMENCEMENT OF DRILLING ACTIVITIES AND 24 HOURS PRIOR TO THE START OF DRILLING INCLUDING PILOT HOLE DRILLING, PRE-REAMING OR HOLE ENLARGEMENT, BACK PULLING AND TESTING ACTIVITIES.	
_	7. THE CONTRACTOR SHALL SECURE INFORMATION CONCERNING THE LOCATION OF UNDERGROUND AND OVERHEAD UTILITIES IN PROXIMITY TO THE PIPELINE ALIGNMENT, PRIOR TO THE START OF DRILLING AND CONFIRM THE ALIGNMENT OF ALL CRITICAL UTILITIES, USING VACUUM EXCAVATION OR OTHER SUITABLE EXCAVATION METHOD, FOR FURTHER DETAILED CONFIRMATIONS AS NECESSARY AT NO ADDITIONAL COST TO THE OWNER.	
	8. TEST DIRECTIONAL DRILLING PIPE AFTER PULLBACK PER ASTM F2164-13. 9. IF, AS A RESULT OF THE HYDROSTATIC TEST, THE ENGINEER DETERMINES THAT THE PIPE IS NOT ACCEPTABLE, THE DRILLER WILL	
F	ABANDON THE LINE IN PLACE BY FUSING A CAP TO BOTH ENDS OF THE HDPE CONDUIT AND REPLACE THE LINE AT NO ADDITIONAL COST TO THE OWNER.	
	10. THE CONTRACTOR SHALL CONTAIN AND CONVEY ALL USED DRILLING FLUID AND DRILLING FLUID SPILLED DURING OPERATIONS O THE DRILLING FLUID RECYCLING SYSTEM OR REMOVE BY VACUUM TRUCKS OR OTHER METHODS ACCEPTABLE TO THE OWNER.	
_	11. TAKE ALL NECESSARY MEASURES TO ELIMINATE THE DISCHARGE OF WATER, DRILLING MUD, AND CUTTINGS TO NEARBY WATERWAYS DURING THE MUD WORK.	
	12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF ANY DAMAGE CAUSED BY HEAVING, SETTLEMENT, SEPARATION OF PAVEMENT, OR ESCAPE OF DRILLING FLUID FROM THE HDD OPERATION. 13. AT THE COMPLETION OF THE HDD, THE CONTRACTOR SHALL SUBMIT RECORD DRAWINGS TO THE ENGINEER NOTING ALL	
E	13. AT THE COMPLETION OF THE HDD, THE CONTRACTOR STALL SOBMET RECORD DRAWINGS TO THE ENGINEER NOTING ALL DEVIATIONS FROM THE PLANS THAT RESULT IN A CHANGE OF LOCATION, MATERIAL, TYPE OR SIZE OF WORK. 14. UPON ACCEPTANCE OF THE PIPE INSTALLATION, THE CONTRACTOR SHALL REMOVE ALL OF HIS/HER EQUIPMENT, MATERIALS AND	
	SUPPLIES FROM THE SITE, FILL IN ALL HOLES OR EXCAVATIONS WITH EXCAVATED MATERIAL FREE FROM DEBRIS AND ORGANIC MATTER, GRADE THE SITE TO PRE-CONSTRUCTION ELEVATIONS, AND RESTORE SURFACES TO EQUAL TO OR BETTER THAN THE CONDITION PRIOR TO THE START OF WORK.	
_		
D		
	XX"x XX" FULL BODY DI	
	COUPLING MEGALUG HDPE MJ ADAPTER (BESTRAINING GLAND	
С		
_		
в	BUTT FUSED CONNECTION XX" DUCTILE IRON METAL GLAND OR PVC PIPE	
	BACKUP/RING	
_		
	C HDPE TO DI/PVC FITTING DETAIL (IF REQ'D.)	
А	CU904 SCALE: NOT TO SCALE	
I	1 2 3 4 5 1	6

