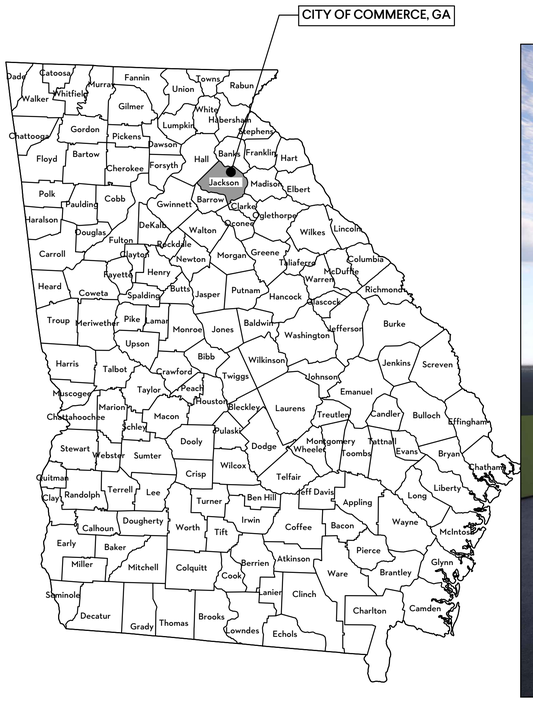
GROVE CREEK WPCP

CITY OF COMMERCE, GA
GMC PROJECT # CATL230033

CITY OF COMMERCE, GA



LOCATION MAP

MARCH 2025

BID SET

GEORGIA811
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CLIENT PROJECT TEAM

DR. J. CLARK HILL, III	MAYOR
KEITH BURCHETT	MAYOR PRO-TEM
MATTHEW HAILEY	CITY MANAGER
JOSH ALLISON	WATER & SEWER SUPERINTENDENT
TADD EDMONDSON	WASTEWATER SUPERINTENDENT

DESIGN PROJECT TEAM

GOODWYN MILLS CAWOOD, LLC	CIVIL, PROCESS, ARCHITECTURAL
BFIELD ENGINEERING	ELECTRICAL, MECHANICAL, PLUMBING
DAY STRUCTURES	STRUCTURAL

I CERTIFY THAT I HAVE BEEN IN RESPONSIBLE CHARGE OF THE DESIGN OF THIS PROJECT IN ACCORDANCE WITH THE RULES OF THE GEORGIA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS. I FURTHER CERTIFY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THESE PLANS AND SPECIFICATION WERE PREPARED IN ACCORDANCE WITH CURRENT STANDARD ENGINEERING PRACTICES AND ACCURATELY REFLECT THE DESIGN DEVELOPMENT REPORT (DDR) PREVIOUSLY REVIEWED AND CONCURRED IN BY EPD. I FURTHER CERTIFY THAT THE SYSTEM AS DESIGNED CAN REASONABLY BE EXPECTED TO CONSISTENTLY MEET ALL CURRENTLY APPLICABLE PERMIT LIMITS, CONDITIONS, AND REGULATORY REQUIREMENTS, PROVIDED THE FACILITY IS CONSTRUCTED AS DESIGNED AND PROPERLY OPERATED AND MAINTAINED.

ENGINEER'S SIGNATURE Graham S. Sizemore

GMC
6120 Powers Ferry Road NW, Suite 200
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STATE OF GEORGIA — NO ALTERATION — CERTIFICATE OF AUTHORIZATION — GOODWYN MILLS CAWOOD LLC — No. PEF007888 — Exp.06.30.2026

1" 0" 1" .5"

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025

Project Manager: CW
Engineer: GS
Designer:
Drawn By: GS

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL ENGINEER GRAHAM S. SIZEMORE 03.19.2025

TITLE SHEET

G-001

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.

GENERAL	
SHT #	SHEET TITLE
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G-003	DRAWING INDEX
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G-005	GENERAL NOTES, LEGENDS, & SYMBOLS
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G-007	HYDRAULIC PROFILE (1 OF 2)
G-008	HYDRAULIC PROFILE (2 OF 2)
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SHT #	SHEET TITLE
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C-608	ES & PC STANDARD DETAILS
C-609	ES & PC STANDARD DETAILS
C-610	ES & PC STANDARD DETAILS
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C-612	ES & PC STANDARD DETAILS
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CU-609	ES & PC STANDARD DETAILS
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STATE OF GEORGIA — NOT VALID WITHOUT EMBOSSED SEAL AND ORIGINAL SIGNATURE
GOODWYN MILLS CAWOOD LLC
No. PE005718SS
Exp.06.30.2026
CERTIFICATE OF AUTHORIZATION

1" 0" 5" 1"

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30% Submittal	05.30.2024
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GEORGIA REGISTERED No. PE051452 PROFESSIONAL ENGINEER GRAHAM S. SIZEMORE 03.19.2025

DRAWING INDEX

G-002

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E-404	RAS/WAS PUMP STATION ELECTRICAL SCHEMATIC
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E-902	ADMIN BUILDING ELECTRICLA PLAN
E-903	ADMIN BUILDING ELECTRICAL SCHEMATIC

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GRAHAM S. SIZEMORE

DRAWING INDEX

G-003

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COMMON ABBREVIATIONS

A	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
ACP	ASPHALTIC CONCRETE PAVING	DN	DOWN	HVAC	HEATING, VENTILATION, AIR CONDITIONING	OPP	OPPOSITE	SCFM	STANDARD CUBIC FEET PER MINUTE	W/	WITH
ADDL	ADDITIONAL	DWG	DRAWING	HW	HOT WATER	OPT	OPTIONAL	SCH	SCHEDULE	W/O	WITHOUT
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
APPROX	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	WT	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	SQ YD	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	SST BT	STAINLESS STEEL BOLT	YH	YARD HYDRANT
AUTO	AUTOMATIC	EWS	EQUIPMENT WATER STATION	JTS	JOINTS	PREFAB	PREFABRICATED	ST	STREET		
AVS	AUTOMATIC VALVE STATION	EXP JT	EXPANSION JOINT	KO	KNOCKOUT	PREFIN	PREFINISHED	STA	STATION		
AWG	AMERICAN WIRE GAGE	EXST	EXISTING	KWY	KEYWAY	PRELIM	PRELIMINARY	STD	STANDARD		
BE	BELL END	EXST GR	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		
BOT	BOTTOM	FES	FLARED END SECTION	LR	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	LT	LIGHT	PT	POINT OR POINT OF TANGENCY	T&P	TEMPERATURE AND PRESSURE		
C/C	CENTER TO CENTER	FIN	FINISH	LT WT	LIGHTWEIGHT	PV	PLUG VALVE	T	TEE		
CCP	CONCRETE CYLINDER PIPE	FIN FL	FINISH FLOOR	LWL	LOW WATER LEVEL	PVC	POLYVINYL CHLORIDE OR POINT OF VERTICAL CURVE	TB	TOP OF BEAM		
CCW	COUNTER CLOCKWISE	FIN GR	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	MCC	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)		
CMP	CORRUGATED METAL PIPE	G	GAS	MFR	MANUFACTURER	RAD	RADIUS	THK	THICK		
CMU	CONCRETE MASONRY UNIT	GA	GAUGE	MG	MILLION GALLONS OR MILLIGRAMS	RC	REINFORCED CONCRETE	TJ	TOP OF JOIST		
CO	CLEAN OUT	GAL	GALLON	MGD	MILLION GALLONS PER DAY	RCP	REINFORCED CONCRETE PIPE	TOA	TOP OF ASPHALT		
CONC	CONCRETE	GALV	GALVANIZED	MGMT	MANAGEMENT	RD	ROOF DRAIN	TOC	TOP OF CONCRETE OR TOP OF CURB		
CONN	CONNECTION	GND	GROUND	MH	MANHOLE	RECT	RECTANGULAR	TOE	THREADED ONE END		
CONSTR	CONSTRUCTION	GPD	GALLONS PER DAY	MIN	MINIMUM	RED	REDUCER	TOF	TOP OF FOOTING		
CONT	CONTINUOUS(ATION)	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	COUPLING	GRC	GALVANIZED RIGID CONDUIT	MNPT	MALE NATIONAL PIPE THREAD	REHAB	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		
DBIO	DEWATERED BIOSOLIDS	HB	HOSE BIBB	NPL	NAMEPLATE	RM	ROOM	ULT	ULTIMATE		
DEMO	DEMOLITION	HDWL	HEADWALL	NPT	NATIONAL PIPE THREAD	RO	ROUGH OPENING	UN	UNION		
DIA	DIAMETER	HNDRL	HAND RAIL	NRS	NON-RISING STEM	ROW	RIGHT OF WAY	UNGD	UNDERGROUND		
DIM	DIMENSION	HNDWL	HAND WHEEL	NTS	NOT TO SCALE	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER	VB	VALVE BOX		
DIP	DUCTILE IRON PIPE	HORIZ	HORIZONTAL	OC	ON CENTER	RPM	REVOLUTIONS PER MINUTE	VCP	VITRIFIED CLAY PIPE		

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STATE OF GEORGIA — NOT VALID WITHOUT — CERTIFICATE OF AUTHORIZATION
GOODWYN MILLS CAWOOD, LLC
No. PE001786
Exp.06.30.2026

1" 0" 5" 1"

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025

Project Manager:	CW
Engineer:	GS
Designer:	GS
Drawn By:	GS

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED
No. PE051452
PROFESSIONAL
03.19.2025
ENGINEER
GRAHAM S. SIZEMORE

ABBREVIATIONS

G-004

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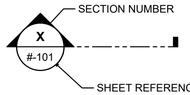
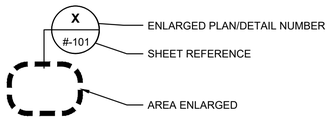
GRAPHICS LEGEND

ELEVATION INDICATOR

SECTION INDICATOR



ENLARGED PLAN/DETAIL INDICATOR



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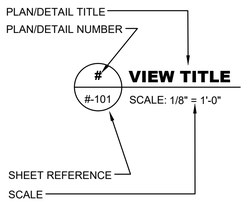
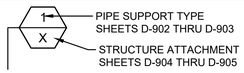
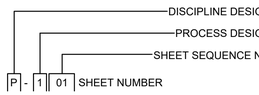


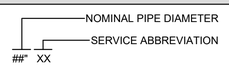
PIPE SUPPORT INDICATOR



SHEET NUMBERING



PIPE LINE IDENTIFICATION



PROCESS DESIGNATORS

PROCESS SHEETS (WASTEWATER)	DESIGNATOR
NOTES, LEGEND, ABBREVIATIONS, DEMOLITION, EXISTING CONDITIONS, ETC.	0
PRELIMINARY TREATMENT	1
PRIMARY TREATMENT	2
BIOLOGICAL TREATMENT	3
SECONDARY TREATMENT	4
TERTIARY TREATMENT	5
DISINFECTION AND EFFLUENT PUMPING	6
SLUDGE STORAGE AND PROCESSING	7
MISCELLANEOUS SYSTEMS	8
DETAILS / SCHEDULES	9

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

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@GMCNETWORK.COM
ENGINEER	GRAHAM SIZEMORE, PE	770.952.2481 EXT. 143	GRAHAM.SIZEMORE@GMCNETWORK.COM
INSPECTOR	TONY VAN DE RYT	770.952.2481 EXT. 110	TONY.VANDERYT@GMCNETWORK.COM

PIPE SYMBOLS

DESCRIPTION	SINGLE LINE	DOUBLE LINE
EXISTING BURIED PIPE		
EXISTING ABOVE GRADE PIPE		
NEW BURIED PIPE		
NEW ABOVE GRADE PIPE		
WELDED JOINT		
FLANGED JOINT		
FLANGED ADAPTOR		
FLANGED COUPLING		
MECHANICAL JOINT		
JOINT		
EXPANSION JOINT		

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)		

DISCIPLINE DESIGNATORS

DISCIPLINE	DESIGNATOR
GENERAL	G
HAZARDOUS MATERIALS	H
INSTRUMENTATION	I
DEMOLITION	X
SURVEY/MAPPING	V
GEOTECHNICAL	B
CIVIL	C
LANDSCAPE	L
STRUCTURAL	S
ARCHITECTURAL	A
FIRE PROTECTION	F
MECHANICAL	M
PLUMBING	P
PROCESS	D
ELECTRICAL	E

GENERAL NOTES

1. THE CONTRACTOR IS EXPECTED TO CAREFULLY EXAMINE THE PLANS, PROPOSAL AND SITE OF THE WORK. THEREFORE, IT WILL BE ASSUMED THAT THE BIDDER HAS SATISFIED HIMSELF AS TO THE CONDITIONS TO BE ENCOUNTERED IN REGARDS TO THE CHARACTER, QUALITY, AND QUANTITIES OF WORK TO BE PERFORMED AND MATERIALS TO BE FURNISHED, AND AS TO THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS, SPECIAL PROVISIONS AND CONTRACT. THE 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 BID.
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.

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STATE OF GEORGIA — GOODWYN MILLS CAWOOD — NA #FC001186 — Exp.06.30.2026 — CERTIFICATE OF AUTHORIZATION

1" 0" 5" 1"

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
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Project Manager: CW
Engineer: GS
Designer: GS
Drawn By:

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL ENGINEER 03.19.2025 GRAHAM S. SIZEMORE

GENERAL NOTES, LEGENDS, & SYMBOLS

G-005

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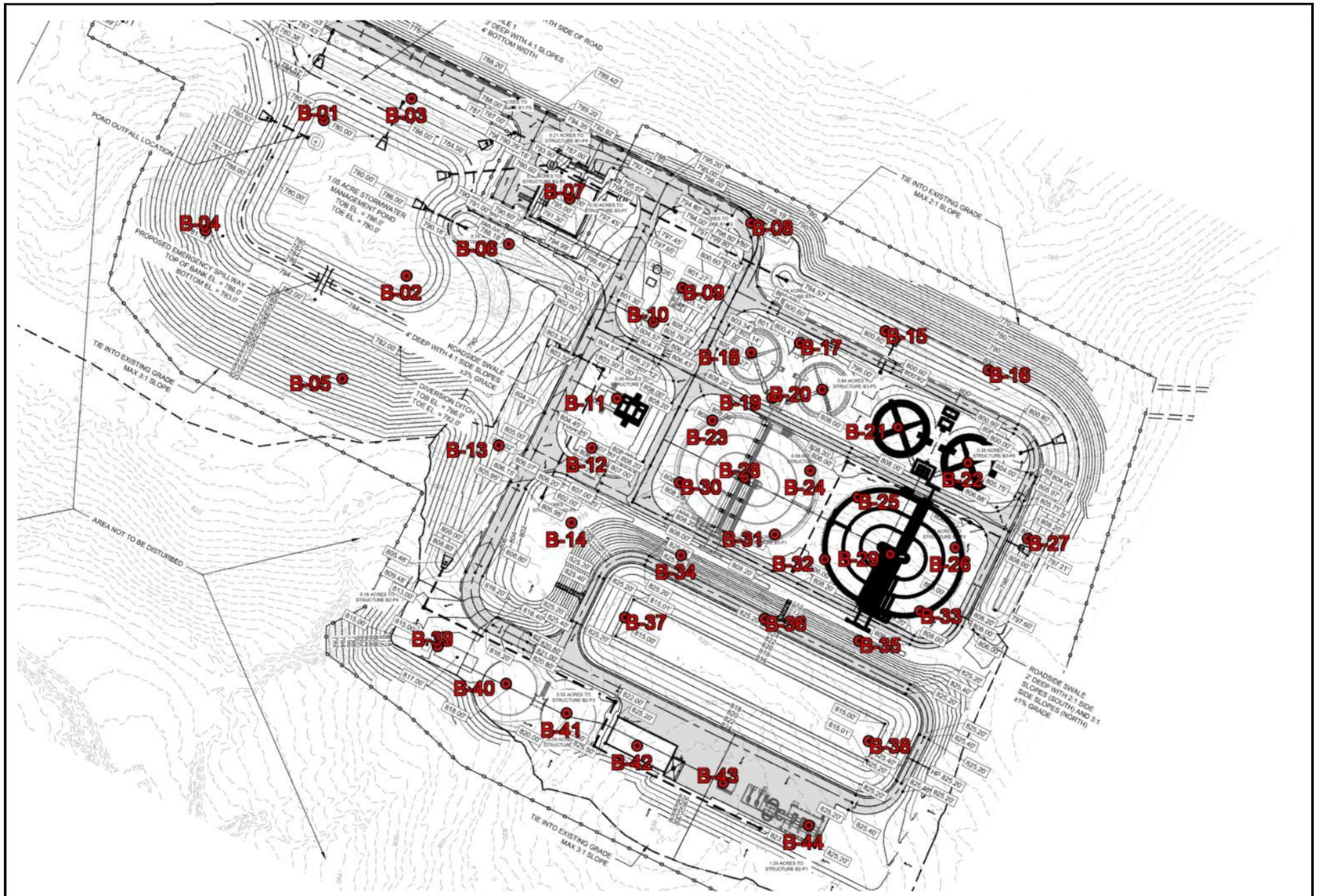

Approximate Boring Locations
Not to Scale

REF. SHEET:
DESCRIPTION:

BORING LOCATION PLAN
GROVE CREEK WPCP - COMMERCE, GA

Figure 3

GMC #
DATE: 2-20-2025
DRAWN BY:

GMC

1 B-000 **BORING LOCATION PLAN**
SCALE: N.T.S.

GMC
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Project Manager:	CW
Engineer:	GS
Designer:	GS
Drawn By:	GS

1" 0" 1"
.5"

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL ENGINEER GRAHAM S. SIZEMORE 03.19.2025

BORING PLAN

B-000

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GMC

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS GRAPH	SYMBOLS LETTER	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
	MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	(LITTLE OR NO FINES)		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
		(APPRECIABLE AMOUNT OF FINES)		GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	SAND AND SANDY SOILS	CLEAN SANDS		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
	MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	(LITTLE OR NO FINES)		SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
		SANDS WITH FINES		SM	SILTY SANDS, SAND - SILT MIXTURES
		(APPRECIABLE AMOUNT OF FINES)		SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

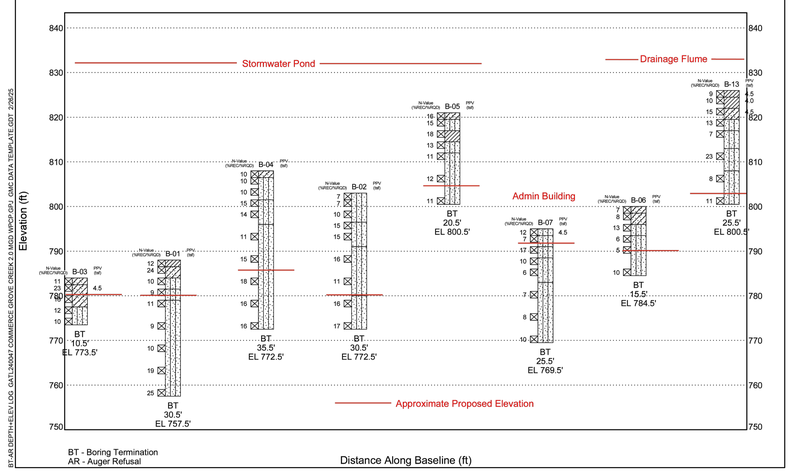
NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

GMC

SUBSURFACE DIAGRAM A-A'

CL SC SM

CLIENT City of Commerce, GA
PROJECT NUMBER GATL240047
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT LOCATION Commerce, GA



BT - Boring Termination
AR - Auger Refusal

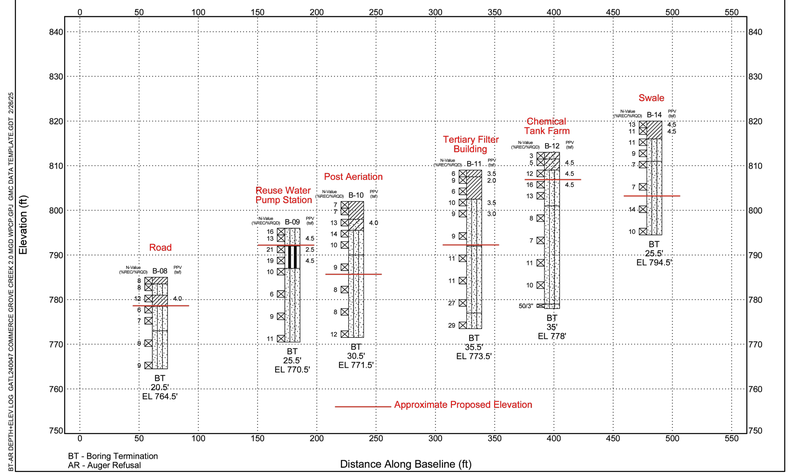
BT-AR DEPTH+ELEV_LOG_GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ - GMC DATA TEMPLATE.GDT 2/26/25

GMC

SUBSURFACE DIAGRAM B-B'

CL SC SM MH

CLIENT City of Commerce, GA
PROJECT NUMBER GATL240047
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT LOCATION Commerce, GA



BT - Boring Termination
AR - Auger Refusal

BT-AR DEPTH+ELEV_LOG_GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ - GMC DATA TEMPLATE.GDT 2/26/25

GMC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481

STATE OF GEORGIA — NOT VALID WITHOUT A WET SEAL — GOODWYN MILLS CAWOOD, LLC — CERTIFICATE OF AUTHORIZATION

1" 0" 5" 1"

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025

Project Manager: CW
Engineer: GS
Designer: GS
Drawn By:

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL ENGINEER GRAHAM S. SIZEMORE 03.19.2025

CIVIL SITE PLAN
GEOTECHNICAL
EXPLORATION

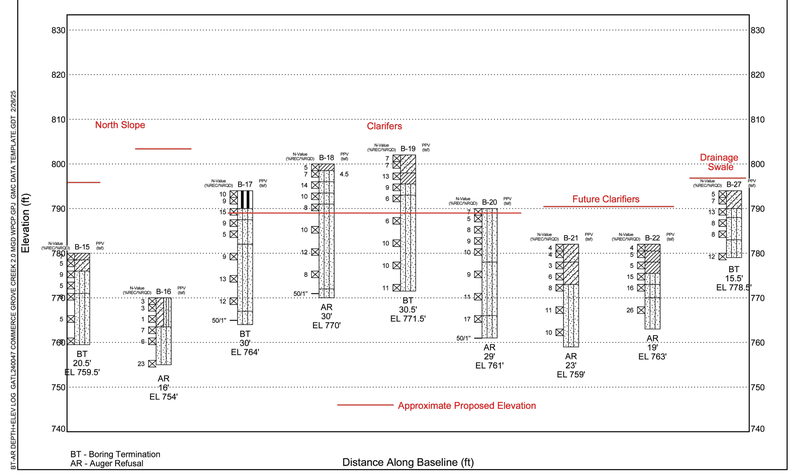
B-001

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.

SUBSURFACE DIAGRAM C-C'

CL SC SM SC-SM MH

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA



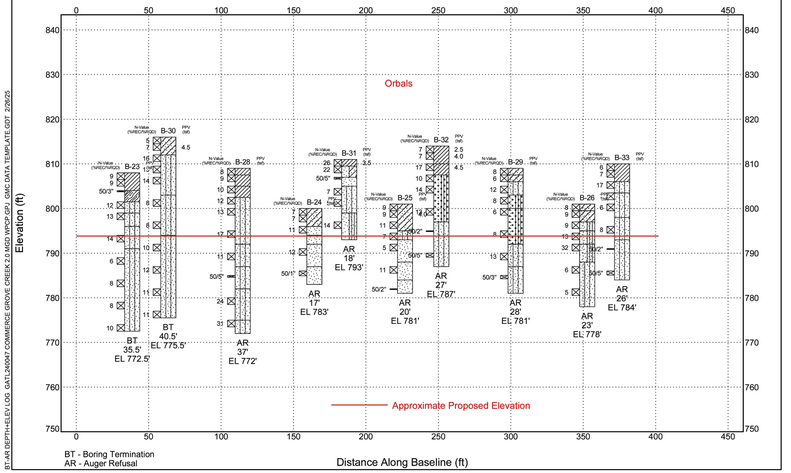
BT - Boring Termination
AR - Auger Refusal

BT:AR DEPTH+ELEV LOG GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/26/25

SUBSURFACE DIAGRAM D-D'

CL SC SW-SM PHYLLITE SP SP-SC SM SP-SM

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA



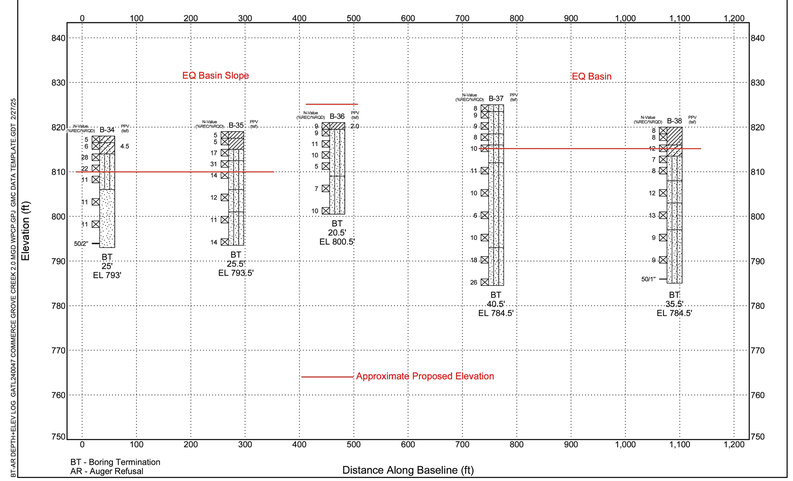
BT - Boring Termination
AR - Auger Refusal

BT:AR DEPTH+ELEV LOG GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/26/25

SUBSURFACE DIAGRAM E-E'

SC CL SM SP

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA



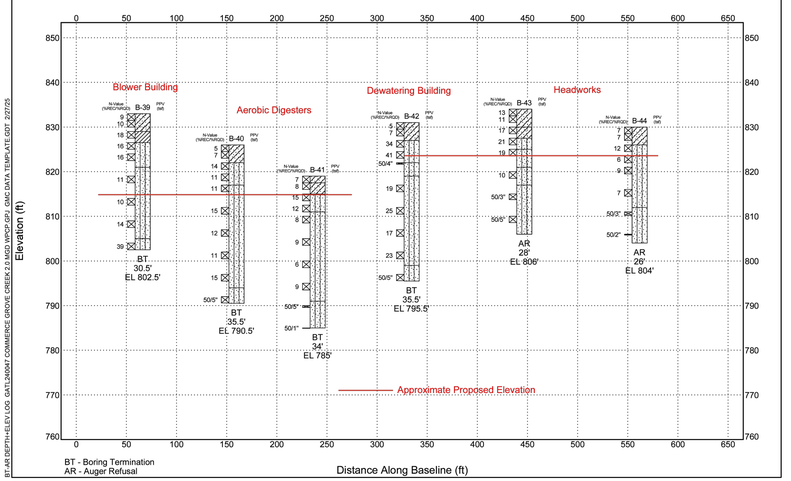
BT - Boring Termination
AR - Auger Refusal

BT:AR DEPTH+ELEV LOG GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

SUBSURFACE DIAGRAM F-F'

SC CL SM

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA



BT - Boring Termination
AR - Auger Refusal

BT:AR DEPTH+ELEV LOG GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

GMC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481

STATE OF GEORGIA — NOT VALID WITHOUT — GOODWYN, MILLS AND CAWOOD, LLC — CERTIFICATE OF AUTHORIZATION

1" 0" .5" 1"

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025

Project Manager: CW
Engineer: GS
Designer:
Drawn By: GS

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL ENGINEER GRAHAM S. SIZEMORE 03.19.2025

CIVIL SITE PLAN
GEOTECHNICAL
EXPLORATION

B-002

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.

BORING NUMBER B-01

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/11/24 **COMPLETED** 12/11/24
GROUND ELEVATION 788 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
	0		SANDY LEAN CLAY (CL), reddish-brown, stiff - w/ organics, mica	SS		3-5-7 (12)							
785			CLAYEY SAND (SC), red, reddish-brown, medium - w/ mica	SS		9-10-14 (24)			21				
	5		SILTY SAND (SM), reddish-brown, loose- w/ mica	SS		5-5-5 (10)			20				
780			SILTY SAND (SM), light reddish-brown, loose- w/ mica	SS		4-5-4 (9)			12	31	24	7	40
	10		SILTY SAND (SM), brown, medium- w/ mica	SS		4-5-6 (11)			18				
775													
	15		- loose	SS		4-4-5 (9)			19				
770													
	20			SS		3-4-6 (10)							
765													
	25		- medium	SS		9-9-10 (19)							
760													
	30			SS		9-10-15 (25)							
755			Boring was terminated at 30.5 feet.										
	35												
750													
	40												
745													
	45												

BORING NUMBER B-02

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/11/24 **COMPLETED** 12/11/24
GROUND ELEVATION 803 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
	0		SILTY SAND (SM), reddish-brown, loose - w/ mica	SS		2-2-5 (7)							
800				SS		3-4-3 (7)							
	5			SS		5-5-5 (10)							
795			SILTY SAND (SM), reddish-brown, medium- w/ mica	SS		6-7-8 (15)							
	10			SS		8-8-7 (15)							
790			SILTY SAND (SM), brown, medium										
	15			SS		9-8-8 (16)							
785													
	20			SS		4-5-6 (11)							
780			SILTY SAND (SM), brown, medium- w/ mica										
	25			SS		7-8-8 (16)							
775													
	30			SS		7-8-9 (17)							
770			Boring was terminated at 30.5 feet.										
	35												
765													
	40												
760													
	45												

BORING NUMBER B-03

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/11/24 **COMPLETED** 12/11/24
GROUND ELEVATION 784 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
	0		CLAYEY SAND (SC), reddish-brown, medium - w/ organics, mica	SS		2-5-6 (11)							
780			CLAYEY SAND (SC), reddish-brown, medium- w/ mica	SS		7-10-13 (23)	4.5						
	5			SS		5-8-8 (16)							
775			SILTY SAND (SM), brown, medium- w/ mica	SS		5-6-6 (12)							
	10		- loose	SS		3-4-6 (10)							
770			Boring was terminated at 10.5 feet.										
	15												
765													
	20												
760													
	25												
755													
	30												
750													
	35												
745													
	40												
740													
	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

GMC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481

STATE OF GEORGIA — NOT VALID WITHOUT CERTIFICATE OF AUTHORIZATION — GOODWYN MILLS CAWOOD, LLC

1" 0" 5" 1"

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025

Project Manager: CW
Engineer: GS
Designer: GS
Drawn By:

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL 03.19.2025 ENGINEER GRAHAM S. SIZEMORE

CIVIL SITE PLAN
GEOTECHNICAL EXPLORATION

B-003

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.

BORING NUMBER B-04

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/11/24 **COMPLETED** 12/11/24
GROUND ELEVATION 808 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
	0		CLAYEY SAND (SC), brown, loose - w/ organics	SS		2-4-6 (10)							
805			SILTY SAND (SM), brown, loose - w/ trace organics, mica	SS		5-5-5 (10)							
	5			SS		5-5-5 (10)			23				
800			SILTY SAND (SM), brown, reddish-brown, medium - w/ mica	SS		6-7-8 (15)			20				
	10			SS		6-7-7 (14)			12	NP	NP	NP	22
795			SILTY SAND (SM), brown, medium- w/ mica										
	15			SS		6-5-6 (11)			20				
790													
	20			SS		7-7-8 (15)			18				
785													
	25			SS		9-7-11 (18)							
780													
	30			SS		7-7-9 (16)							
775													
	35			SS		8-7-9 (16)							
770			Boring was terminated at 35.5 feet.										
	40												
765													
	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

BORING NUMBER B-05

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/11/24 **COMPLETED** 12/11/24
GROUND ELEVATION 821 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
820	0		CLAYEY SAND (SC), reddish-brown, medium	SS		6-7-9 (16)							
			SILTY SAND (SM), brown, medium	SS		7-7-8 (15)							
815	5		SANDY LEAN CLAY (CL), brown, very stiff	SS		8-9-9 (18)							
			SILTY SAND (SM), reddish-brown, medium	SS		6-6-7 (13)							
810	10		SILTY SAND (SM), brown, medium - w/ mica	SS		5-5-6 (11)							
	15			SS		5-6-6 (12)							
805													
	20			SS		5-5-6 (11)							
800			Boring was terminated at 20.5 feet.										
	25												
795													
	30												
790													
	35												
785													
	40												
780													
	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

BORING NUMBER B-06

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/19/24 **COMPLETED** 12/19/24
GROUND ELEVATION 800 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
800	0		CLAYEY SAND (SC), reddish-brown, loose - w/ organics	SS		3-3-4 (7)							
			CLAYEY SAND (SC), reddish-brown, loose - w/ mica	SS		3-4-4 (8)			25				
795	5		SILTY SAND (SM), reddish-brown, medium- w/ mica	SS		4-6-7 (13)			20				
			SILTY SAND (SM), reddish-brown, loose- w/ mica	SS		2-3-3 (6)			17	NP	NP	NP	18
790	10			SS		3-3-2 (5)			18				
785	15			SS		3-5-5 (10)			15				
			Boring was terminated at 15.5 feet.										
780	20												
775	25												
770	30												
765	35												
760	40												
755	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

GMC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481

STATE OF GEORGIA — NOT VALID WITHOUT RAISED SEAL — Goodwyn Mills Cawood, LLC — CERTIFICATE OF AUTHORIZATION

1" 0" .5" 1"

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025

Project Manager: CW
Engineer: GS
Designer: GS
Drawn By:

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL Graham S. Sizemore 03.19.2025 ENGINEER GRAHAM S. SIZEMORE

CIVIL SITE PLAN
GEOTECHNICAL EXPLORATION

B-004

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.

BORING NUMBER B-07

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/19/24 **COMPLETED** 12/19/24
GROUND ELEVATION 795 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
795	0		SILTY SAND (SM), red, reddish-brown, medium	SS		3-6-6 (12)	4.5		24				
			SILTY SAND (SM), reddish-brown, loose - w/ trace organics	SS		4-3-4 (7)			17				
790	5		SILTY SAND (SM), reddish-brown, medium - w/ mica	SS		4-8-9 (17)			19	NP	NP	NP	28
			SILTY SAND (SM), reddish-brown, loose- w/ mica	SS		3-4-6 (10)			19				
785	10			SS		3-3-3 (6)			15				
			SILTY SAND (SM), brown, loose- w/ mica										
780	15			SS		2-3-4 (7)							
775	20			SS		2-3-5 (8)							
770	25			SS		5-5-5 (10)							
			Boring was terminated at 25.5 feet.										
765	30												
760	35												
755	40												
750	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

BORING NUMBER B-08

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/13/24 **COMPLETED** 12/13/24
GROUND ELEVATION 785 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
785	0		SANDY LEAN CLAY (CL), brown, medium - w/ trace organics	SS		0-3-5 (8)							
			SILTY SAND (SM), reddish-brown, loose - w/ mica	SS		3-3-5 (8)							
780	5		SANDY LEAN CLAY (CL), reddish-brown, stiff	SS		4-5-7 (12)	4.0						
			SILTY SAND (SM), reddish-brown, loose- w/ mica	SS		2-3-3 (6)							
775	10			SS		3-3-4 (7)							
			SILTY SAND (SM), brown, loose- w/ mica										
770	15			SS		3-4-5 (9)							
765	20			SS		4-4-5 (9)							
			Boring was terminated at 20.5 feet.										
760	25												
755	30												
750	35												
745	40												
740	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

BORING NUMBER B-09

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/13/24 **COMPLETED** 12/13/24
GROUND ELEVATION 796 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
795	0		SILTY SAND (SM), brown, reddish-brown, medium	SS		3-7-9 (16)			23				
				SS		4-5-8 (13)	4.5		20				
790	5		ELASTIC SILT (MH), reddish-brown, very stiff - w/ mica	SS		9-10-11 (21)	2.5		22	58	31	27	51
				SS		8-9-10 (19)	4.5		24				
785	10		SILTY SAND (SM), brown, loose- w/ mica	SS		4-5-5 (10)			20				
780	15			SS		3-3-3 (6)							
775	20			SS		4-4-5 (9)							
770	25		- medium	SS		4-5-6 (11)							
			Boring was terminated at 25.5 feet.										
765	30												
760	35												
755	40												
	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

GMC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481

STATE OF GEORGIA — NOT VALID WITHOUT RAISED SEAL OR EMBOSSED SEAL — CERTIFICATE OF AUTHORIZATION — Goodwyn Mills Cawood, LLC — GMC

1" 0" 5" 1"

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025

Project Manager:	CW
Engineer:	GS
Designer:	GS
Drawn By:	

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL 03.19.2025 ENGINEER GRAHAM S. SIZEMORE

CIVIL SITE PLAN
GEOTECHNICAL EXPLORATION

B-005

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.

BORING NUMBER B-10

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/13/24 **COMPLETED** 12/13/24
GROUND ELEVATION 802 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
	0		SANDY LEAN CLAY (CL), brown, medium - w/ organics	SS		2-3-4 (7)							
800				SS		3-3-4 (7)							
	5		CLAYEY SAND (SC), reddish-brown, medium - w/ mica	SS		3-6-7 (13)	4.0						
795			SILTY SAND (SM), reddish-brown, medium to loose- w/ mica	SS		4-7-7 (14)							
	10			SS		4-5-5 (10)							
790			SILTY SAND (SM), brown, loose- w/ mica										
	15			SS		4-4-5 (9)							
785													
	20			SS		3-4-4 (8)							
780													
	25			SS		4-4-4 (8)							
775													
	30		- medium	SS		5-5-7 (12)							
770			Boring was terminated at 30.5 feet.										
	35												
765													
	40												
760													
	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

BORING NUMBER B-11

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/13/24 **COMPLETED** 12/13/24
GROUND ELEVATION 809 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
	0		SANDY LEAN CLAY (CL), brown, medium - w/ organics	SS		3-3-3 (6)	3.5						
			SANDY LEAN CLAY (CL), brown, stiff to medium	SS		3-4-5 (9)	2.0						
805	5			SS		2-3-3 (6)							
			SILTY SAND (SM), reddish-brown, loose - w/ mica	SS		4-5-5 (10)	3.5						
800	10			SS		4-4-5 (9)	3.0						
795	15			SS		3-5-4 (9)							
			SILTY SAND (SM), brown, white, medium										
790	20			SS		4-5-6 (11)							
785	25			SS		6-6-5 (11)							
780	30			SS		9-12-15 (27)							
			SILTY SAND (SM), brown, medium										
775	35			SS		8-13-16 (29)							
770			Boring was terminated at 35.5 feet.										
	40												
765													
	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

BORING NUMBER B-12

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/12/24 **COMPLETED** 12/12/24
GROUND ELEVATION 813 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
	0		CLAYEY SAND (SC), brown, very loose - w/ organics	SS		1-1-2 (3)							
810			CLAYEY SAND (SC), reddish-brown, loose	SS		2-3-2 (5)	4.5						
	5		SILTY SAND (SM), reddish-brown, medium - w/ mica	SS		2-6-6 (12)	4.5		17				
805				SS		6-8-8 (16)	4.5		15				
	10			SS		7-8-5 (13)			13	NP	NP	NP	25
800			SILTY SAND (SM), reddish-brown, loose- w/ mica										
	15			SS		4-4-4 (8)			17				
795													
	20			SS		5-3-4 (7)			21				
790													
	25		- medium	SS		4-5-6 (11)							
785													
	30			SS		5-5-5 (10)							
780													
	35		SILTY SAND (SM), reddish-brown, very dense- w/ mica	SS		5-50/3"							
775			Boring was terminated at 35.0 feet.										
	40												
770													
	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

GMC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481

STATE OF GEORGIA — GOODWYN, MILLS AND CAWOOD, LLC — CERTIFICATE OF AUTHORIZATION — NOT VALID WITHOUT RAISED SEAL

1" 0" 5" 1"

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025

Project Manager:	CW
Engineer:	GS
Designer:	GS
Drawn By:	

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL ENGINEER GRAHAM S. SIZEMORE 03.19.2025

CIVIL SITE PLAN
GEOTECHNICAL EXPLORATION

B-006

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.

BORING NUMBER B-13

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/11/24 **COMPLETED** 12/11/24
GROUND ELEVATION 826 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
825	0		LEAN CLAY (CL), reddish-brown, stiff - w/ trace organics	SS		3-5-4 (9)	4.5						
			SANDY LEAN CLAY (CL), reddish-brown, stiff	SS		4-4-6 (10)	4.0						
820	5		CLAYEY SAND (SC), reddish-brown, stiff - w/ mica	SS		5-8-7 (15)	4.5						
			SILTY SAND (SM), reddish-brown, medium- w/ mica	SS		5-6-7 (13)							
815	10		SILTY SAND (SM), brown, loose- w/ mica	SS		4-3-4 (7)							
			SILTY SAND (SM), brown, medium	SS		5-16-7 (23)							
810	15												
			SILTY SAND (SM), brown, loose to medium	SS		4-3-5 (8)							
805	20												
				SS		5-5-6 (11)							
800	25		Boring was terminated at 25.5 feet.										
	30												
795													
	35												
790													
	40												
785													
	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

BORING NUMBER B-14

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/12/24 **COMPLETED** 12/12/24
GROUND ELEVATION 820 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
820	0		SANDY LEAN CLAY (CL), red, stiff	SS		3-6-7 (13)	4.5						
				SS		4-5-6 (11)	4.5						
815	5		SILTY SAND (SM), reddish-brown, medium - w/ mica	SS		4-6-5 (11)							
			- loose	SS		4-4-5 (9)							
810	10		SILTY SAND (SM), brown, loose to medium- w/ mica	SS		3-3-4 (7)			19				
805	15			SS		3-4-3 (7)			16				
800	20			SS		4-6-8 (14)			17	NP	NP	NP	16
795	25			SS		3-5-5 (10)			18				
790	30		Boring was terminated at 25.5 feet.										
785	35												
780	40												
775	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

BORING NUMBER B-15

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/16/24 **COMPLETED** 12/16/24
GROUND ELEVATION 780 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
780	0		SANDY LEAN CLAY (CL), red, brown, medium	SS		1-3-4 (7)			24				
			CLAYEY SAND (SC), reddish-brown, loose	SS		2-2-3 (5)			16	42	20	22	47
775	5		SILTY SAND (SM), reddish-brown, loose - w/ mica	SS		3-4-5 (9)			22				
				SS		3-2-3 (5)			17				
770	10		SILTY SAND (SM), brown, loose- w/ mica	SS		2-4-4 (8)			14				
765	15			SS		2-2-3 (5)							
760	20			SS		4-4-4 (8)							
755	25		Boring was terminated at 20.5 feet.										
750	30												
745	35												
740	40												
735	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

GMC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025

Project Manager:	CW
Engineer:	GS
Designer:	GS
Drawn By:	

STATE OF GEORGIA — NOT VALID WITHOUT CERTIFICATE OF AUTHORIZATION — Goodwyn Mills Cawood, LLC — 1" 0" 5" 1"

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL ENGINEER GRAHAM S. SIZEMORE 03.19.2025

CIVIL SITE PLAN
GEOTECHNICAL EXPLORATION

B-007

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.

BORING NUMBER B-16

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/16/24 **COMPLETED** 12/16/24
GROUND ELEVATION 770 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES 5' Offset South
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
770	0		CLAYEY SILTY SAND (SM-SC), brown, very loose - w/ trace organics	SS		1-1-2 (3)			13	23	17	6	23
				SS		1-2-1 (3)			19				
765	5			SS		0-0-1 (1)			22				
			SILTY SAND (SM), reddish-brown, loose - w/ mica	SS		1-4-3 (7)			18				
760	10			SS		3-3-3 (6)			13				
755	15		- medium	SS		3-8-15 (23)							
			Auger refusal was encountered at 16.0 feet.										
750	20												
745	25												
740	30												
735	35												
730	40												
725	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

BORING NUMBER B-17

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/13/24 **COMPLETED** 12/13/24
GROUND ELEVATION 794 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
790	0		ELASTIC SILT (MH), red to reddish-brown, stiff- w/ mica	SS		3-4-6 (10)							
				SS		4-4-5 (9)			24	61	37	24	51
	5		SILTY SAND (SM), reddish-brown, medium- w/ mica	SS		7-9-6 (15)			16				
785	10		SILTY SAND (SM), reddish-brown, loose- w/ mica	SS		3-4-5 (9)			17				
				SS		3-2-3 (5)			10				
780	15		SILTY SAND (SM), brown, loose- w/ mica	SS		5-4-5 (9)			11				
775	20		- medium	SS		4-9-4 (13)							
770	25			SS		4-5-7 (12)							
765	30		SILTY SAND (SM), brown, very dense- w/ mica	SS		50/1"							
			Boring was terminated at 30.0 feet.										
760	35												
755	40												
750	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

BORING NUMBER B-18

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/13/24 **COMPLETED** 12/13/24
GROUND ELEVATION 800 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
800	0		SANDY LEAN CLAY (CL), red, reddish-brown, medium	SS		2-3-2 (5)							
			SILTY SAND (SM), red, reddish-brown, loose - w/ mica	SS		3-3-4 (7)	4.5						
795	5		SILTY SAND (SM), reddish-brown, medium	SS		3-7-7 (14)							
			SILTY SAND (SM), reddish-brown, loose	SS		4-5-5 (10)							
790	10		SILTY SAND (SM), brown, loose	SS		3-4-4 (8)							
785	15			SS		4-5-5 (10)							
780	20		- medium	SS		4-5-7 (12)							
775	25		- loose	SS		3-3-5 (8)							
770	30		SILTY SAND (SM), brown, very dense	SS		50/1"							
			Auger refusal was encountered at 30.0 feet.										
765	35												
760	40												
755	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

GMC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481

STATE OF GEORGIA — NOT VALID WITHOUT — GOODWYN, MILLS AND CAWOOD, LLC — CERTIFICATE OF AUTHORIZATION

1" 0" 5" 1"

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025

Project Manager:	CW
Engineer:	GS
Designer:	GS
Drawn By:	

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL 03.19.2025 ENGINEER GRAHAM S. SIZEMORE

CIVIL SITE PLAN
GEOTECHNICAL EXPLORATION

B-008

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.

BORING NUMBER B-19

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/16/24 **COMPLETED** 12/16/24
GROUND ELEVATION 802 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
	0		CLAYEY SAND (SC), red & brown, loose	SS		3-3-4 (7)			29				
800				SS		2-3-4 (7)			15	30	16	14	40
	5		SANDY LEAN CLAY (CL), brown, stiff	SS		3-6-7 (13)			21				
795			SILTY SAND (SM), reddish-brown, loose - w/ mica	SS		4-5-4 (9)			18				
	10		SILTY SAND (SM), brown, loose- w/ mica	SS		2-3-3 (6)			12				
790													
	15			SS		3-3-3 (6)							
785													
	20			SS		4-5-5 (10)							
780													
	25			SS		4-4-6 (10)							
775													
	30		- medium	SS		3-4-7 (11)							
770			Boring was terminated at 30.5 feet.										
	35												
765													
	40												
760													
	45												

BORING NUMBER B-20

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/16/24 **COMPLETED** 12/16/24
GROUND ELEVATION 790 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
790	0		SILTY SAND (SM), red, reddish-brown, loose - w/ mica	SS		1-3-4 (7)							
				SS		2-2-3 (5)							
785	5			SS		3-4-4 (8)							
				SS		3-4-5 (9)							
780	10			SS		3-5-5 (10)							
			SILTY SAND (SM), brown, loose- w/ mica										
775	15			SS		4-4-5 (9)							
770	20			SS		4-5-6 (11)							
			SILTY SAND (SM), brown, medium- w/ mica	SS		7-8-9 (17)							
760	30		Auger refusal was encountered at 29.0 feet.	SS		50/1"							
755	35												
750	40												
745	45												

BORING NUMBER B-21

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/16/24 **COMPLETED** 12/16/24
GROUND ELEVATION 782 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
	0		CLAYEY SAND (SC), brown, very loose - w/ organics	SS		1-2-2 (4)			26				
780				SS		2-2-2 (4)			17				
	5		CLAYEY SAND (SC), brown, very loose to loose	SS		2-2-1 (3)			23	37	24	13	46
775				SS		2-3-3 (6)							
	10		SILTY SAND (SM), brown, loose to medium - w/ mica	SS		4-4-4 (8)			11				
770													
	15			SS		4-5-6 (11)							
765													
	20			SS		5-4-6 (10)							
760			Auger refusal was encountered at 23.0 feet.										
	25												
755													
	30												
750													
	35												
745													
	40												
740													
	45												

GMC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481

STATE OF GEORGIA — NOT VALID WITHOUT CERTIFICATE OF AUTHORIZATION — Goodwyn Mills Cawood, LLC — Certificate No. PEF001868

1" 0" 5" 1"

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025

Project Manager:	CW
Engineer:	GS
Designer:	GS
Drawn By:	

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL Graham S. Sizemore 03.19.2025 ENGINEER GRAHAM S. SIZEMORE

CIVIL SITE PLAN
GEOTECHNICAL EXPLORATION

B-009

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1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

BORING NUMBER B-22

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/16/24 **COMPLETED** 12/16/24
GROUND ELEVATION 782 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
780	0		SANDY LEAN CLAY (CL), brown, soft - w/ trace organics	SS		3-2-2 (4)							
			SANDY LEAN CLAY (CL), reddish-brown, brown, medium- w/ trace organics	SS		2-3-2 (5)							
775	5		SANDY LEAN CLAY (CL), reddish-brown, medium	SS		2-2-3 (5)							
			SILTY SAND (SM), reddish-brown, red, medium - w/ mica	SS		5-6-9 (15)							
770	10		SILTY SAND (SM), brown, medium	SS		19-9-7 (16)							
			SILTY SAND (SM), gray, medium										
765	15			SS		7-9-17 (26)							
	20		Auger refusal was encountered at 19.0 feet.										
760													
755	25												
750	30												
745	35												
740	40												
	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

BORING NUMBER B-23

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/16/24 **COMPLETED** 12/16/24
GROUND ELEVATION 808 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
805	0		SANDY LEAN CLAY (CL), reddish-brown, stiff	SS		3-4-5 (9)							
				SS		2-4-5 (9)							
	5		- P.W.R. Floating Boulder	SS		50/3"							
800			SILTY SAND (SM), brown, medium	SS		5-5-7 (12)							
	10		SILTY SAND (SM), brown, medium - w/ mica	SS		5-6-7 (13)							
795			SILTY SAND (SM), brown, medium- w/ mica										
	15			SS		4-7-7 (14)							
790			SILTY SAND (SM), brown, loose- w/ mica										
	20			SS		3-3-3 (6)							
785													
	25			SS		3-3-5 (8)							
780													
	30			SS		3-4-4 (8)							
775													
	35			SS		3-3-7 (10)							
770			Boring was terminated at 35.5 feet.										
	40												
765													
	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

BORING NUMBER B-24

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/17/24 **COMPLETED** 12/17/24
GROUND ELEVATION 800 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
800	0		CLAYEY SAND (SC), reddish-brown, loose	SS		2-3-4 (7)							
				SS		3-4-3 (7)							
795	5		POORLY GRADED SAND (SP), reddish-brown, medium	SS		6-2-9 (11)							
			POORLY GRADED SAND (SP), reddish-brown - 2' Floating Boulder - no sample recovery										
790	10		POORLY GRADED SAND (SP), reddish-brown, medium	SS		6-5-7 (12)							
			POORLY GRADED SAND (SP), reddish-brown, very dense										
785	15			SS		5-5-50/1"							
	20		Auger refusal was encountered at 17.0 feet.										
780													
775	25												
770	30												
765	35												
760	40												
755	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

GMC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481

STATE OF GEORGIA — GOODWYN, MILLS AND CAWOOD, LLC — CERTIFICATE OF AUTHORIZATION — NOT VALID WITHOUT RAISED SEAL

1" 0" 5" 1"

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025

Project Manager: CW
Engineer: GS
Designer: GS
Drawn By:

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL Graham S. Sizemore 03.19.2025 ENGINEER GRAHAM S. SIZEMORE

CIVIL SITE PLAN
GEOTECHNICAL EXPLORATION

B-010

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BORING NUMBER B-25

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/17/24 **COMPLETED** 12/17/24
GROUND ELEVATION 801 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
800	0		CLAYEY SAND (SC), reddish-brown, loose to medium - w/ trace organics	SS		2-3-6 (9)							
				SS		3-4-5 (9)	4.0		15				
	5			SS		5-5-6 (11)			16	39	24	15	39
795			SILTY SAND (SM), reddish-brown, loose - w/ mica	SS		3-4-3 (7)			17				
			POORLY GRADED SAND (SP), reddish-brown, loose- w/ mica	SS		2-3-2 (5)			11				
790	10												
			POORLY GRADED SAND (SP), brown, medium	SS		2-3-8 (11)			9				
785	15												
			POORLY GRADED SAND with GRAVEL (SP), brown, very dense	SS		50/2"							
780	20		Auger refusal was encountered at 20.0 feet.										
775	25												
770	30												
765	35												
760	40												
	45												

BORING NUMBER B-26

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/17/24 **COMPLETED** 12/17/24
GROUND ELEVATION 801 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
800	0		CLAYEY SAND (SC), reddish-brown, loose, w/ trace organics	SS		2-4-4 (8)							
			CLAYEY SAND (SC), reddish-brown, loose	SS		3-4-5 (9)							
	5		POORLY GRADED SAND with SILT (SP-SM), reddish-brown, loose	SS		5-5-4 (9)							
795			POORLY GRADED SAND with SILT (SP-SM), brown, medium	SS		4-8-5 (13)							
			POORLY GRADED SAND with SILT (SP-SM), gray, dense	SS		9-20-12 (32)							
790	10												
			SILTY SAND (SM), brown, loose - w/ mica	SS		2-2-4 (6)							
785	15												
				SS		2-3-2 (5)							
780	20		Auger refusal was encountered at 23.0 feet.										
775	25												
770	30												
765	35												
760	40												
	45												

BORING NUMBER B-27

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/17/24 **COMPLETED** 12/17/24
GROUND ELEVATION 794 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
790	0		CLAYEY SAND (SC), reddish-brown, loose- w/ organics	SS		1-2-3 (5)							
				SS		2-3-4 (7)							
	5		SILTY SAND (SM), reddish-brown, medium	SS		4-6-7 (13)							
785			SILTY SAND (SM), reddish-brown, loose - w/ mica	SS		2-3-5 (8)							
	10			SS		3-3-5 (8)							
780			SILTY SAND (SM), brown, medium										
	15			SS		3-5-7 (12)							
775			Boring was terminated at 15.5 feet.										
	20												
770													
	25												
765													
	30												
760													
	35												
755													
	40												
750													
	45												

GMC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051452 GOODWYN, MILLS AND CAWOOD, LLC CERTIFICATE OF AUTHORIZATION

1" 0" 5" 1"

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025

Project Manager: CW
Engineer: GS
Designer: GS
Drawn By:

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051452 03.19.2025 GRAHAM S. SIZEMORE

CIVIL SITE PLAN
GEOTECHNICAL EXPLORATION

B-011

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.

BORING NUMBER B-28

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/16/24 **COMPLETED** 12/16/24
GROUND ELEVATION 809 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
	0		SANDY LEAN CLAY (CL), reddish-brown, medium - w/ organics	SS		2-3-5 (8)							
			SANDY LEAN CLAY (CL), brown, stiff	SS		3-3-6 (9)							
805	5		SANDY LEAN CLAY (CL), reddish-brown, stiff	SS		1-4-6 (10)							
			SILTY SAND (SM), reddish-brown, medium - w/ mica	SS		3-5-7 (12)							
800	10			SS		4-6-7 (13)							
795	15			SS		5-8-9 (17)							
			SILTY SAND (SM), brown, medium										
790	20			SS		5-5-6 (11)							
			SILTY SAND (SM), brown, very dense										
785	25			SS		50/5"							
			SILTY SAND (SM), brown, medium										
780	30			SS		7-11-13 (24)							
775	35		SILTY SAND (SM), brown, dense	SS		11-15-16 (31)							
			Auger refusal was encountered at 37.0 feet.										
770	40												
765	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

BORING NUMBER B-29

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/17/24 **COMPLETED** 12/17/24
GROUND ELEVATION 809 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
	0		CLAYEY SAND (SC), reddish-brown, loose - w/ organics	SS		2-3-5 (8)							
			CLAYEY SAND (SC), reddish-brown, loose	SS		3-3-3 (6)							
805	5		SILTY SAND (SM), reddish-brown, medium - w/ mica	SS		5-6-6 (12)							
			WELL GRADED SAND with SILT (SW-SM), reddish-brown, loose	SS		2-3-5 (8)			17				
800	10		WELL GRADED SAND with SILT and GRAVEL (SW-SM), brown, loose- w/ mica	SS		3-3-3 (6)			13				
795	15			SS		2-3-5 (8)			13	NP	NP	NP	12
			SILTY SAND (SM), brown, medium- w/ mica										
790	20			SS		3-6-7 (13)			11				
			SILTY SAND (SM), dark gray, brown, very dense										
785	25			SS		6-50/3"			5				
			Auger refusal was encountered at 28.0 feet.										
780	30												
775	35												
770	40												
765	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

BORING NUMBER B-30

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/18/24 **COMPLETED** 12/18/24
GROUND ELEVATION 816 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES B24-161, 5'-15'
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
815	0		CLAYEY SAND (SC), reddish-brown, loose	SS		2-2-3 (5)							
				SS		2-3-4 (7)	4.5						
810	5		SILTY SAND (SM), reddish-brown, medium	SS		6-10-6 (16)				NP	NP	NP	31
				SS		4-6-7 (13)							
805	10			SS		6-8-6 (14)							
			SILTY SAND (SM), reddish-brown, loose - w/ mica										
800	15			SS		4-4-4 (8)							
795	20			SS		3-3-5 (8)							
			SILTY SAND (SM), brown, loose- w/ mica										
790	25			SS		4-4-6 (10)							
785	30		- medium	SS		11-6-6 (12)							
780	35			SS		4-5-6 (11)							
775	40			SS		5-6-5 (11)							
			Boring was terminated at 40.5 feet.										
	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

GMC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481

STATE OF GEORGIA — NOT VALID WITHOUT ORIGINAL SEAL AND SIGNATURE — CERTIFICATE OF AUTHORIZATION — Goodwyn Mills Cawood, LLC — PE051452

1" 0" 1" 5"

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025

Project Manager: CW
Engineer: GS
Designer: GS
Drawn By:

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL ENGINEER 03.19.2025 GRAHAM S. SIZEMORE

CIVIL SITE PLAN
GEOTECHNICAL EXPLORATION

B-012

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.

BORING NUMBER B-31

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/19/24 **COMPLETED** 12/19/24
GROUND ELEVATION 811 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES Offset 5' East
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
810	0		SANDY LEAN CLAY (CL), reddish-brown, very stiff	SS		3-6-20 (26)	3.5						
			POORLY GRADED SAND with CLAY and GRAVEL (SP-SC), red, white, medium	SS		16-14-8 (22)							
805	5		POORLY GRADED SAND (SP), light reddish-brown, very dense	SS		50/5"							
			SILTY SAND (SM), reddish-brown, loose	SS		3-3-4 (7)							
800	10			SS		2-2-3 (5)							
795	15		POORLY GRADED SAND with SILT (SP-SM), brown, medium	SS		15-5-9 (14)							
	20		Auger refusal was encountered at 18.0 feet.										
790													
785	25												
	30												
780													
775	35												
	40												
770													
	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

BORING NUMBER B-32

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/19/24 **COMPLETED** 12/19/24
GROUND ELEVATION 814 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
810	0		SANDY LEAN CLAY (CL), reddish-brown, medium - w/ trace organics	SS		3-3-4 (7)	2.5						
				SS		4-3-4 (7)	4.0						
	5		SANDY LEAN CLAY (CL), reddish-brown, medium	SS		7-9-8 (17)	4.5						
805	10		WELL GRADED SAND with SILT (SW-SM), brown, reddish-brown, loose to medium - w/ mica	SS		3-5-5 (10)			11				
				SS		3-6-8 (14)			5				
800	15			SS		2-6-7 (13)			5				
795	20		SILTY SAND (SM), brown, very dense	SS		50/2"			8				
	25			SS		10-50/5"			7	NP	NP	NP	10
790			Auger refusal was encountered at 27.0 feet.										
785	30												
	35												
780													
775	40												
	45												
770													

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

BORING NUMBER B-33

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/17/24 **COMPLETED** 12/17/24
GROUND ELEVATION 810 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES B24-163, 0'-5' & B24-165, 10'-15'
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
810	0		SANDY LEAN CLAY (CL), reddish-brown, medium - w/ trace organics	SS		3-2-4 (6)				42	21	21	52
				SS		3-3-4 (7)							
805	5		SILTY SAND (SM), reddish-brown, medium - w/ mica	SS		4-9-8 (17)							
			SILTY SAND (SM), brown, loose	SS		5-3-4 (7)							
800	10			SS		2-3-3 (6)				NP	NP	NP	19
795	15		SILTY SAND (SM), reddish-brown, loose- w/ mica	SS		3-3-5 (8)							
			SILTY SAND (SM), gray, brown, very dense										
790	20			SS		50/2"							
785	25		Auger refusal was encountered at 26.0 feet.	SS		7-50/5"							
	30												
780													
775	35												
	40												
770													
765	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

GMC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051452 GRAHAM S. SIZEMORE CERTIFICATE OF AUTHORIZATION Goodwyn Mills Cawood, LLC

1" 0" .5" 1"

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025

Project Manager:	CW
Engineer:	GS
Designer:	GS
Drawn By:	

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051452 GRAHAM S. SIZEMORE 03.19.2025

CIVIL SITE PLAN
GEOTECHNICAL EXPLORATION

B-013

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.

BORING NUMBER B-34

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/19/24 **COMPLETED** 12/19/24
GROUND ELEVATION 818 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
	0		CLAYEY SAND (SC), brown, loose - w/ trace organics	SS		2-3-2 (5)							
815			CLAYEY SAND (SC), reddish-brown, loose - w/ mica	SS		3-3-3 (6)	4.5						
	5		SILTY SAND (SM), light red, medium	SS		9-13-15 (28)			13				
810				SS		12-9-13 (22)			3				
	10			SS		8-5-6 (11)			10	NP	NP	NP	22
805			POORLY GRADED SAND (SP), white, light pale brown, medium										
	15			SS		6-6-5 (11)			12				
800													
	20			SS		4-5-6 (11)			15				
795													
	25		Boring was terminated at 25.0 feet.	SS		50/2"							
790													
	30												
785													
	35												
780													
	40												
775													
	45												

BORING NUMBER B-35

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/17/24 **COMPLETED** 12/17/24
GROUND ELEVATION 819 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
	0		SANDY LEAN CLAY (CL), red, reddish-brown, medium - w/ trace organics	SS		2-2-3 (5)							
815			SANDY LEAN CLAY (CL), red, reddish-brown, medium	SS		3-2-3 (5)							
	5		SILTY SAND (SM), reddish-brown, medium	SS		4-8-9 (17)							
810			SILTY SAND with GRAVEL (SM), white, light brown, dense	SS		12-12-19 (31)							
	10		SILTY SAND with GRAVEL (SM), brown, medium	SS		10-7-7 (14)							
805			SILTY SAND with GRAVEL (SM), white, gray, medium										
	15			SS		5-7-5 (12)							
800			SILTY SAND (SM), brown, medium - w/ mica										
	20			SS		3-6-5 (11)							
795													
	25		Boring was terminated at 25.5 feet.	SS		5-7-7 (14)							
790													
	30												
785													
	35												
780													
	40												
775													
	45												

BORING NUMBER B-36

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/17/24 **COMPLETED** 12/17/24
GROUND ELEVATION 821 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
	0		SANDY LEAN CLAY (CL), reddish-brown, stiff - w/ trace organics	SS		3-5-4 (9)	2.0						
820			SILTY SAND (SM), reddish-brown, loose	SS		4-5-4 (9)							
	5		- medium	SS		4-5-6 (11)							
815				SS		3-5-5 (10)							
	10		- loose	SS		2-2-3 (5)							
810			SILTY SAND (SM), brown, loose - w/ mica										
	15			SS		2-3-4 (7)							
805													
	20			SS		3-4-6 (10)							
800			Boring was terminated at 20.5 feet.										
	25												
795													
	30												
790													
	35												
785													
	40												
780													
	45												

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

GMC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481

STATE OF GEORGIA — NOT VALID WITHOUT — GOODWYN, MILLS AND CAWOOD, LLC — CERTIFICATE OF AUTHORIZATION

1" 0" 5" 1"

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025

Project Manager: CW
Engineer: GS
Designer: GS
Drawn By:

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL 03.19.2025 ENGINEER GRAHAM S. SIZEMORE

CIVIL SITE PLAN
GEOTECHNICAL EXPLORATION

B-014

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BORING NUMBER B-37

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/17/24 **COMPLETED** 12/17/24
GROUND ELEVATION 825 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
825	0	SILTY SAND (SM), red, reddish-brown, loose - w/ organics, mica	SS		2-3-5 (8)							
		SILTY SAND (SM), reddish-brown, brown, loose - w/ mica	SS		2-4-5 (9)							
820	5		SS		5-4-5 (9)							
		SILTY SAND (SM), white, red, loose - w/ mica	SS		3-4-4 (8)			12				
815	10	SILTY SAND (SM), white, loose	SS		4-5-5 (10)			11				
		SILTY SAND (SM), white, brown, medium										
810	15		SS		6-5-6 (11)			16	NP	NP	NP	20
		- loose										
805	20		SS		2-4-6 (10)			18				
800	25		SS		3-2-4 (6)			12				
795	30		SS		4-5-5 (10)							
		SILTY SAND (SM), white, brown, medium										
790	35		SS		5-9-9 (18)							
785	40		SS		9-14-12 (26)							
		Boring was terminated at 40.5 feet.										
780	45											

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

BORING NUMBER B-38

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/17/24 **COMPLETED** 12/17/24
GROUND ELEVATION 820 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
820	0	SANDY LEAN CLAY (CL), brown, medium - w/ trace organics	SS		4-3-5 (8)							
			SS		3-3-5 (8)							
815	5	CLAYEY SAND (SC), red, reddish-brown, medium	SS		4-5-7 (12)			22				
		SILTY SAND (SM), red, reddish-brown, loose	SS		3-3-4 (7)			17				
810	10		SS		4-4-4 (8)			6	NP	NP	NP	17
		SILTY SAND (SM), brown, medium										
805	15		SS		5-5-7 (12)			6				
		SILTY SAND (SM), brown, medium- w/ mica										
800	20		SS		2-5-8 (13)			15				
		SILTY SAND (SM), brown, loose- w/ mica										
795	25		SS		4-4-5 (9)							
790	30		SS		2-4-5 (9)							
785	35		SS		50/1"							
		Boring was terminated at 35.5 feet.										
780	40											
775	45											

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

BORING NUMBER B-39

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/12/24 **COMPLETED** 12/12/24
GROUND ELEVATION 833 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
830	0	CLAYEY SAND (SC), brown, reddish-brown, loose - w/ organics	SS		2-3-6 (9)							
			SS		4-5-5 (10)							
825	5	SANDY LEAN CLAY (CL), brown, very stiff- w/ trace organics	SS		6-9-9 (18)							
		SILTY SAND (SM), reddish-brown, medium - w/ mica	SS		6-7-9 (16)							
820	10		SS		6-8-8 (16)							
		SILTY SAND (SM), brown, medium- w/ mica										
815	15		SS		6-6-5 (11)							
810	20		SS		5-5-5 (10)							
805	25		SS		7-7-7 (14)							
		SILTY SAND (SM), brown, very dense- w/ mica										
800	30		SS		10-18-21 (39)							
		Boring was terminated at 30.5 feet.										
795	35											
790	40											
	45											

1.GMC BORINGS GATL240047 COMMERCE GROVE CREEK 2.0 MGD WPCP.GPJ GMC DATA TEMPLATE.GDT 2/27/25

GMC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481

STATE OF GEORGIA — NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL SEAL OF A GEORGIA REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR — CERTIFICATE OF AUTHORIZATION NO. LSF001809 — Goodwyn Mills Cawood, LLC

1" 0" 5" 1"

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025

Project Manager: CW
Engineer: GS
Designer: GS
Drawn By:

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL 03.19.2025 ENGINEER GRAHAM S. SIZEMORE

CIVIL SITE PLAN
GEOTECHNICAL EXPLORATION

B-015

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.

BORING NUMBER B-40

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/12/24 **COMPLETED** 12/12/24
GROUND ELEVATION 826 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
825	0		CLAYEY SAND (SC), brown, loose - w/ organics	SS		2-2-3 (5)			18				
				SS		2-3-4 (7)			17	29	19	10	34
820	5		SILTY SAND (SM), reddish-brown, medium - w/ mica	SS		5-8-6 (14)			18				
				SS		5-6-5 (11)			11				
815	10		SILTY SAND (SM), brown, medium- w/ mica	SS		5-5-6 (11)			13				
810	15			SS		6-7-8 (15)							
805	20			SS		5-6-6 (12)							
800	25			SS		5-5-6 (11)							
795	30			SS		7-8-7 (15)							
790	35		SILTY SAND (SM), light brown, very dense	SS		26-22-50/5"							
785	40		Boring was terminated at 35.5 feet.										
	45												

BORING NUMBER B-41

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/12/24 **COMPLETED** 12/12/24
GROUND ELEVATION 819 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
	0		CLAYEY SAND (SC), brown, medium- w/ trace organics	SS		2-3-4 (7)							
815			CLAYEY SAND (SC), reddish-brown, medium - w/ mica	SS		3-4-4 (8)							
	5		SILTY SAND (SM), reddish-brown, medium- w/ mica	SS		5-7-8 (15)							
				SS		4-5-7 (12)							
810	10		SILTY SAND (SM), brown, loose- w/ mica	SS		4-4-4 (8)							
805	15			SS		3-4-5 (9)							
800	20			SS		3-3-3 (6)							
795	25			SS		4-5-4 (9)							
790	30		SILTY SAND (SM), brown, very dense- w/ mica	SS		50/5"							
785	35		Boring was terminated at 34.0 feet.	SS		50/1"							
780	40												
775	45												

BORING NUMBER B-42

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/12/24 **COMPLETED** 12/12/24
GROUND ELEVATION 831 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
830	0		CLAYEY SAND (SC), brown, loose - w/ organics	SS		3-2-3 (5)							
				SS		3-3-4 (7)							
825	5		SILTY SAND (SM), brown, dense	SS		23-19-15 (34)			12				
				SS		16-19-22 (41)			9				
820	10		SILTY SAND with GRAVEL (SM), dark gray, very dense	SS		50/4"			4	NP	NP	NP	14
815	15		SILTY SAND (SM), brown, medium	SS		7-10-9 (19)			18				
810	20			SS		9-10-15 (25)			12				
805	25			SS		7-8-9 (17)							
800	30			SS		9-10-13 (23)							
795	35		SILTY SAND (SM), brown, light brown, medium - w/ mica	SS		18-25-50/5"							
790	40		Boring was terminated at 35.5 feet.										
	45												

GMC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481

STATE OF GEORGIA — GOODWYN, MILLS AND CAWOOD, LLC — NOT VALID WITHOUT CERTIFICATE OF AUTHORIZATION

1" 0" 5" 1"

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025

Project Manager: CW
Engineer: GS
Designer: GS
Drawn By:

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL ENGINEER GRAHAM S. SIZEMORE 03.19.2025

CIVIL SITE PLAN
GEOTECHNICAL EXPLORATION

B-016

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BORING NUMBER B-43

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/12/24 **COMPLETED** 12/12/24
GROUND ELEVATION 834 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES Offset 15' North
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
	0		CLAYEY SAND (SC), reddish-brown, medium - w/ trace organics, mica	SS		5-6-7 (13)							
				SS		5-5-6 (11)							
830	5		CLAYEY SAND (SC), reddish-brown, medium - w/ mica	SS		7-8-9 (17)							
			SILTY SAND (SM), red, medium- w/ mica	SS		6-10-11 (21)							
825	10		SILTY SAND (SM), light brown, medium- w/ mica	SS		9-9-10 (19)							
			SILTY SAND (SM), brown, loose- w/ mica										
820	15			SS		5-5-5 (10)							
			SILTY SAND with GRAVEL (SM), brown, very dense- w/ mica										
815	20			SS		7-12-50/3"							
810	25			SS		8-10-50/5"							
805	30		Auger refusal was encountered at 28.0 feet.										
800	35												
795	40												
790	45												

BORING NUMBER B-44

PAGE 1 OF 1

CLIENT City of Commerce, GA
PROJECT NAME Commerce Grove Creek 2.0 MGD WPCP
PROJECT NUMBER GATL240047
PROJECT LOCATION Commerce, GA
DATE STARTED 12/12/24 **COMPLETED** 12/12/24
GROUND ELEVATION 830 ft **HOLE SIZE** 4"
DRILLING CONTRACTOR Earth Core, LLC
GROUND WATER LEVELS:
DRILLING METHOD Diedrich D-50, Auto-Hammer, HSA w/ SPT
AT TIME OF DRILLING None Encountered
LOGGED BY D. Gamlin **CHECKED BY** K. Wales
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
830	0		CLAYEY SAND (SC), reddish-brown, loose - w/ trace organics	SS		2-3-4 (7)							
				SS		3-3-4 (7)							
825	5		SILTY SAND (SM), brown, reddish-brown, medium - w/ mica	SS		5-6-6 (12)							
			SILTY SAND (SM), brown, loose- w/ mica	SS		4-3-3 (6)							
820	10			SS		5-4-5 (9)							
815	15			SS		6-4-3 (7)							
			SILTY SAND with GRAVEL (SM), dark brown, very dense- w/ mica										
810	20			SS		16-50/3"							
805	25			SS		50/2"							
			Auger refusal was encountered at 26.0 feet.										
800	30												
795	35												
790	40												
785	45												

GMC
6120 Powers Ferry Road NW, Suite 200
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T 770.952.2481

GEORGIA NOTICE OF CONSTRUCTION — GOODWYN MILLS CAWOOD, LLC — CERTIFICATE OF AUTHORIZATION — EXPIRES: 12/31/2025

1" 0" 5" 1"

ISSUE	DATE
30% Submittal	05.30.2024
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Drawn By:	

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL 03.19.2025 ENGINEER GRAHAM S. SIZEMORE

CIVIL SITE PLAN
GEOTECHNICAL EXPLORATION

B-017

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