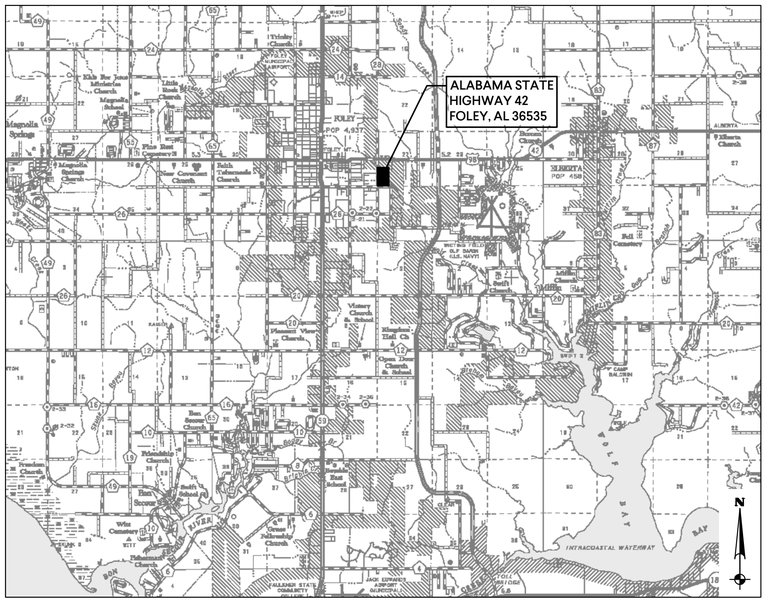
WOLF CREEK WASTEWATER TREATMENT PLANT SPLITTER BOX MODIFICATIONS

Riviera Utilities

FOLEY, ALABAMA
GMC PROJECT #CMOB240002

RIVIERA UTILITIES BOARD

LOCATION MAP:
STATE OF ALABAMA



VICINITY MAP
NOT TO SCALE

MARCH 2024

ISSUED FOR BID

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PROJECT TEAM

GOODWYN MILLS CAWOOD, LLC	Civil, Electrical, & Process Engineering
DAY STRUCTURES	Structural Engineering

GMC
11 North Water Street
Suite 15250
Mobile, AL 36602
T 251.460.4006

1" 0" 5" 1"

ISSUE	DATE
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Conformed Set	

Project Manager:	DK
Engineer:	DT
Designer:	LS
Drawn By:	LS

WOLF CREEK WASTEWATER TREATMENT PLANT
SPLITTER BOX MODIFICATIONS
FOR RIVIERA UTILITIES, FOLEY ALABAMA

CMOB240002

ALABAMA LICENSED 03/15/2024 No. 36869 PROFESSIONAL ENGINEER BRADLEY TYLER ALLEN

TITLE SHEET & INDEX

G-001

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		

GMC
11 North Water Street
Suite 15250
Mobile, AL 36602
T 251.460.4006

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WOLF CREEK WASTEWATER TREATMENT PLANT
SPLITTER BOX MODIFICATIONS
FOR RIVIERA UTILITIES, FOLEY ALABAMA

CMOB240002

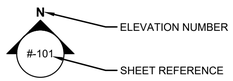
ALABAMA LICENSED 03/15/2024 No. 36869 PROFESSIONAL ENGINEER BRANDON ALLEN TILLEY

ABBREVIATIONS

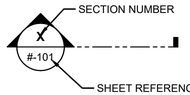
G-002

GRAPHICS LEGEND

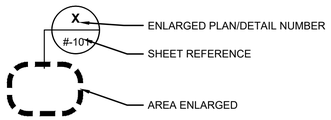
ELEVATION INDICATOR



SECTION INDICATOR



ENLARGED PLAN/DETAIL INDICATOR



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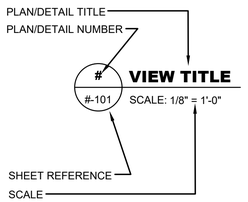
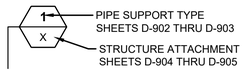


PIPE SUPPORT INDICATOR



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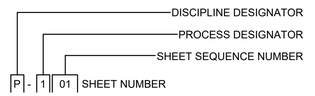
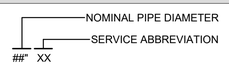


PIPE LINE IDENTIFICATION



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
CHIEF ENGINEER	TONY SCHACHLE	251-970-4110	tschachle@rivierautilities.com
OPERATOR	CHRIS CLARK		

CONTRACTOR

DESCRIPTION	NAME	PHONE NUMBER	EMAIL ADDRESS
PROJECT MANAGER			
SUPERINTENDENT			

ENGINEER

DESCRIPTION	NAME	PHONE NUMBER	EMAIL ADDRESS
PROJECT MANAGER	DENISE KING	251-460-4006	denise.king@gmcnetwork.com
ENGINEER	DUSTIN TILL	334-271-3200	dustin.till@gmcnetwork.com
INSPECTOR			

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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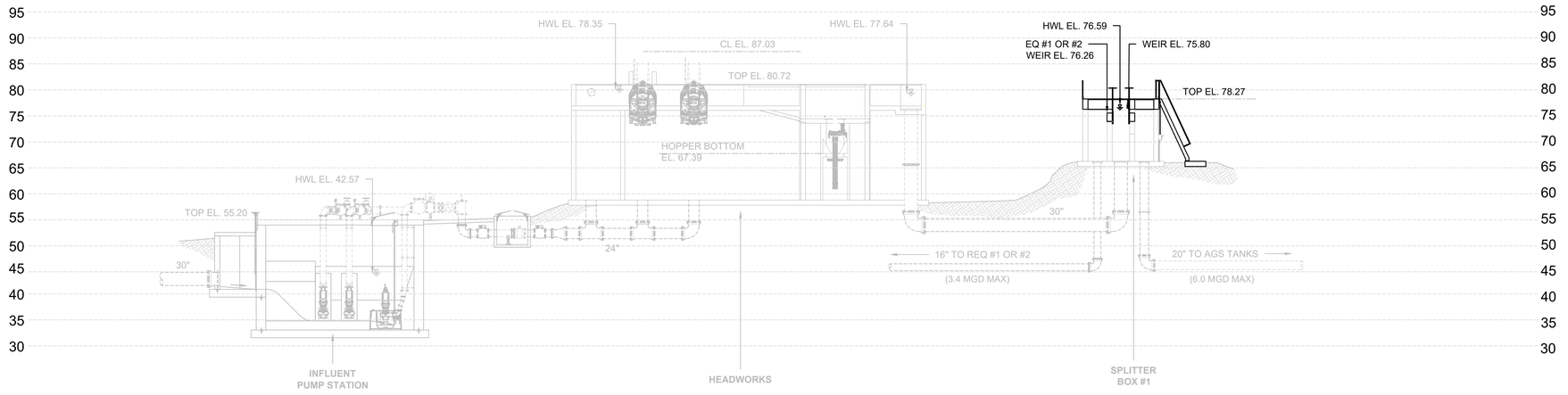
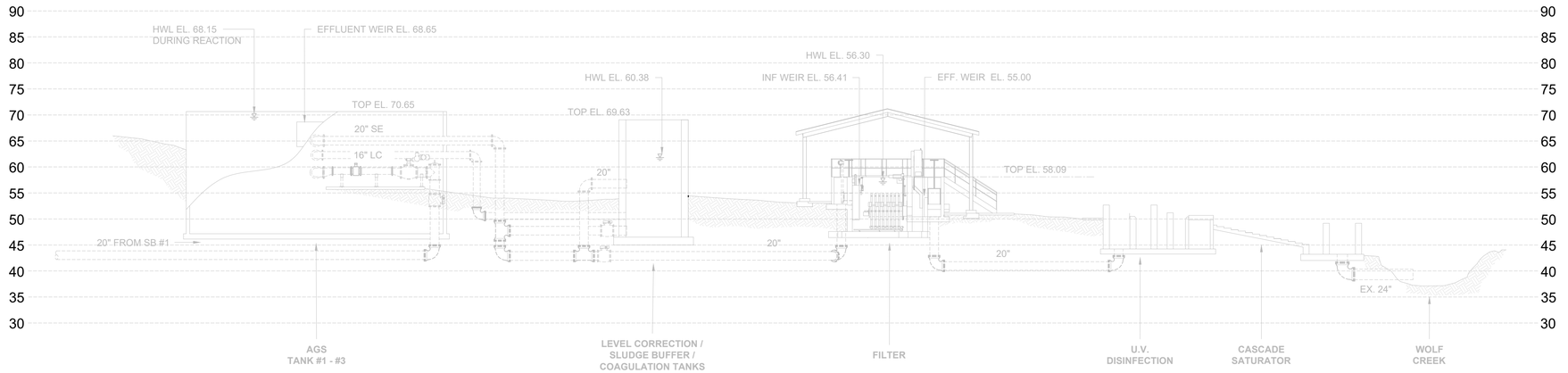
CMOB240002

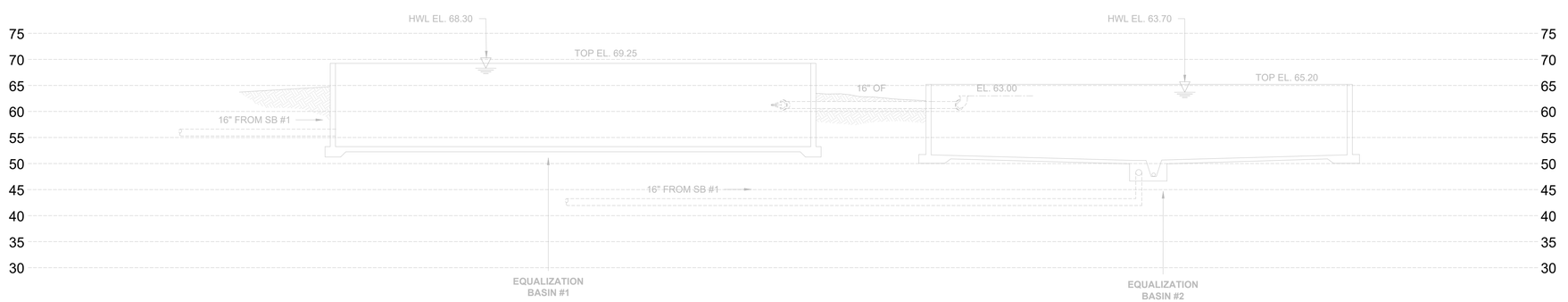
ALABAMA LICENSED 03/15/2024 No. 36869 PROFESSIONAL ENGINEER DUSTIN ALLEN TILL

GENERAL NOTES, LEGENDS, & VICINITY MAP

G-003







NOTES:

1. HWL ASSUMES MAX. 7.5 MGD INTO IPS, FROM YDPS TO GIVE MAX. 9.4 MGD AT HEADWORKS. SPLITTER BOX #1 ALLOWS MAX. 6.0 MGD AT AGS TANKS, REMAINING 3.4 MGD MAX. GOES TO EQ.
2. THE WATER LEVELS ARE BASED OFF OF THE PROCESS EQUIPMENT SHOWN ON THE DRAWINGS, BASED ON EQUIPMENT SELECTED BY ENGINEER AND INFORMATION AVAILABLE TO ENGINEER.

1 G-004 **HYDRAULIC PROFILE**
SCALE: NOT TO SCALE

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SPLITTER BOX MODIFICATIONS
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CMOB240002

ALABAMA LICENSED 03/15/2024 No. 36869 PROFESSIONAL ENGINEER BASTIN ALLEN TILL

HYDRAULIC PROFILE

G-004

DRAWING FILE: T:\1 Projects\ALL\Riviera Utilities\CMOB240002 - Splitter Box Modifications\0 DWG\1-PLANS\02 SHEETS\01 GENERAL\G-004 HYDRAULIC PROFILE WW.dwg
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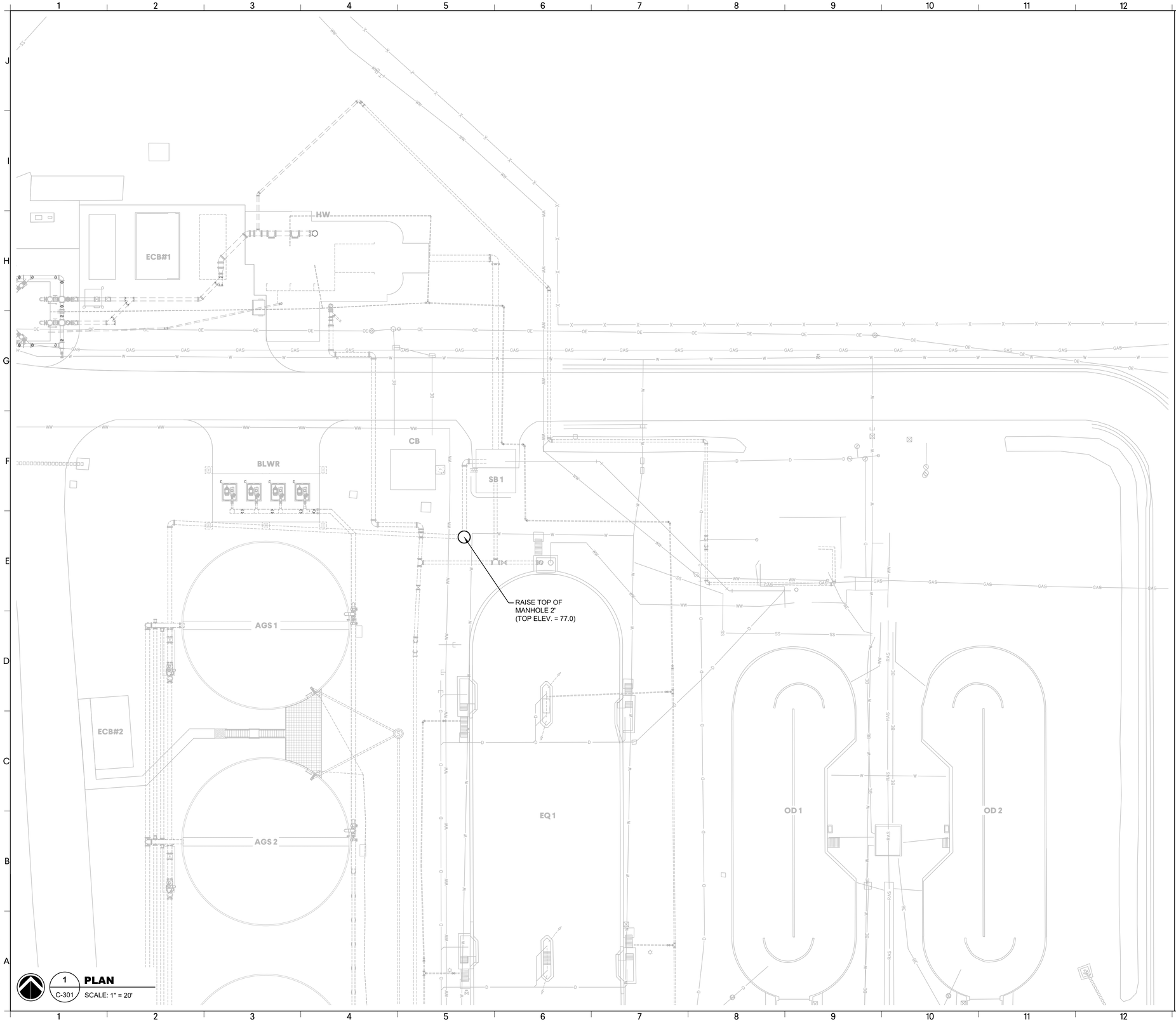


SITE NOTES:

1. THE CONTRACTOR SHALL ADHERE TO THE LOCATIONS AND GEOMETRIC SHAPES FOR CONCRETE PADS OTHER THAN THE BUILDING AS SHOWN ON THE SITE PLAN UNLESS SPECIFIC DETAILS ARE PROVIDED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
2. ANY PROPERTY CORNERS OR PERMANENT SURVEY MARKERS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY A LICENSED SURVEYOR AT CONTRACTORS EXPENSE.
3. ANY PAVEMENT OR CURBING DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED AND RESTORED TO LIKE OR BETTER CONDITION.
4. SITE SECURITY AND EQUIPMENT STORAGE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. PROPERTY OWNERSHIP INFORMATION IS SHOWN FOR GENERAL INFORMATION ONLY AND MAY NOT BE THE MOST RECENT OWNERSHIP ON RECORD.
6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND RESET FENCING TO ORIGINAL CONDITION WHERE REQUIRED AT NO ADDITIONAL COST.
7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR AND GRUB AS NECESSARY
8. CONTRACTOR SHALL MINIMIZE THE DISTURBANCE TO ANY EXISTING LANDSCAPING AND TREES, UNLESS APPROVED BY THE ENGINEER AND OWNER.
9. ANY LANDSCAPING (SHRUBS, FLOWERS, ORNAMENTAL GRASS, ETC.) DISTURBED DURING PROJECT CONSTRUCTION ACTIVITIES SHALL BE REPLACED AND OR TRANSPLANTED TO THE SATISFACTION OF THE OWNER TO PRE-CONSTRUCTION CONDITION. THIS MAY INCLUDE SOD REPLACEMENT AS DEEMED NECESSARY BY THE OWNER. ALL RELATED COSTS FOR SUCH WORK SHALL BE INCLUDED IN THE BID PRICE.

1 C-301 **PLAN**
SCALE: 1" = 20'

GMC
11 North Water Street
Suite 15250
Mobile, AL 36602
T 251.460.4006

1" 0" 1"
5"

ISSUE	DATE
Bid Set	03.15.2024
Conformed Set	

Project Manager: DK
Engineer: DTT
Designer: LS
Drawn By: LS

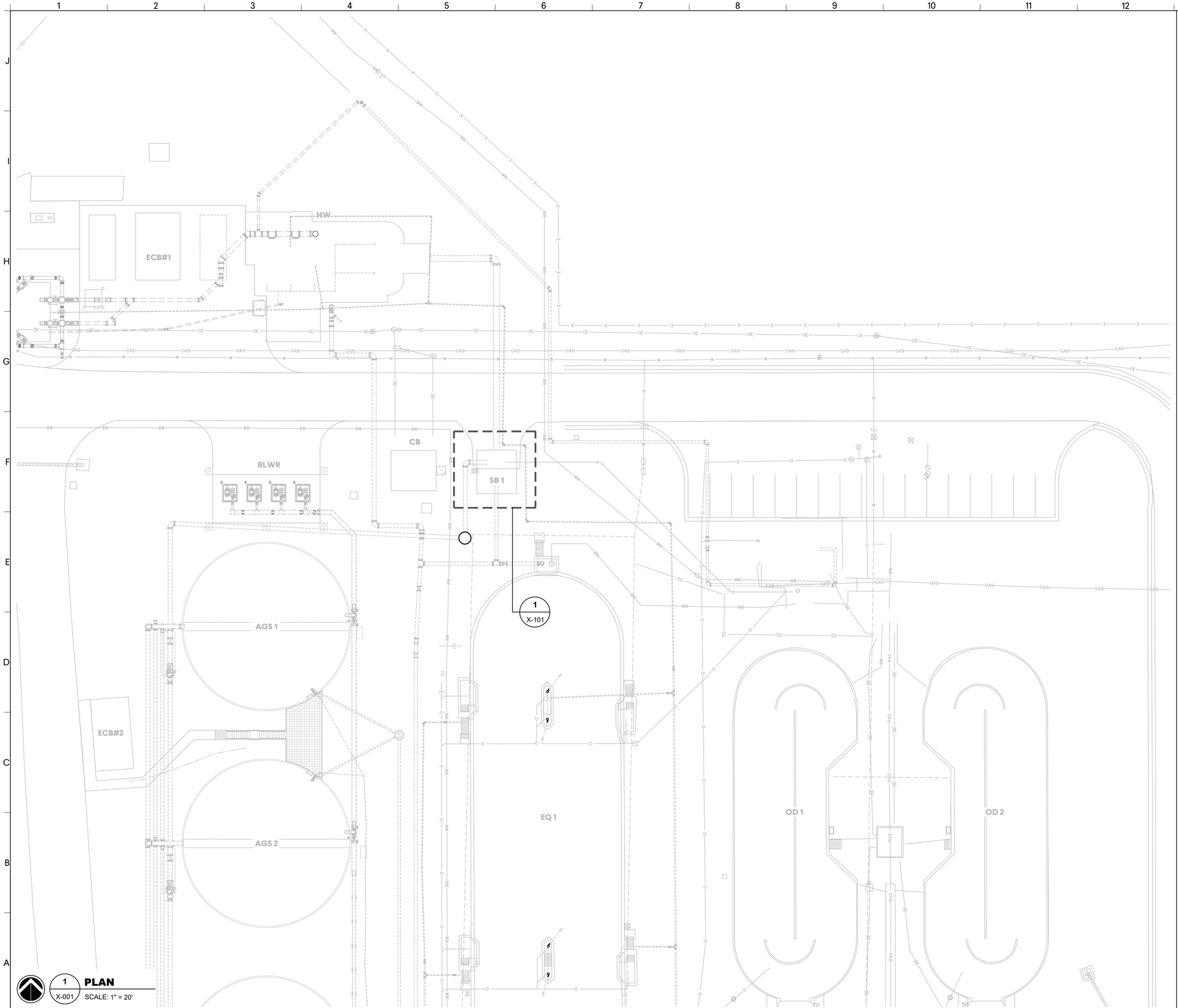
WOLF CREEK WASTEWATER TREATMENT PLANT
SPLITTER BOX MODIFICATIONS
FOR RIVIERA UTILITIES, FOLEY ALABAMA

CMOB240002

ALABAMA
LICENSED
03/15/2024
No. 36869
PROFESSIONAL
ENGINEER
JUSTIN ALLEN TILL

YARD PIPING

C-301



1 X-001 **PLAN**
SCALE: 1" = 20'

DEMOLITION NOTES:

1. THE CONTRACTOR SHALL SUBMIT A DEMOLITION/DECONSTRUCTION PLAN TO BE APPROVED BY THE ENGINEER.
2. BEFORE STARTING DEMOLITION, THE CONTRACTOR MUST CHECK TO DETERMINE THAT ALL UTILITY SERVICES, SUCH AS WATER, GAS, ELECTRICITY, TELEPHONE, ETC. ARE DISCONNECTED AT THE SERVICE MAIN, IN ACCORDANCE WITH THE RULES AND REGULATIONS GOVERNING THE UTILITY INVOLVED.
3. CONTRACTOR SHALL PROVIDE SAFEGUARDS, INCLUDING WARNING SIGNS, BARRICADES, TEMPORARY FENCES, WARNING LIGHTS AND OTHER ITEMS THAT ARE REQUIRED FOR PROTECTION OF ALL PERSONNEL DURING DEMOLITION AND REMOVAL OPERATIONS.
4. ACCEPTABLE METHODS FOR DEMOLITION SHALL BE APPROVED BY THE ENGINEER. HAND DISMANTLING, PNEUMATIC AND HYDRAULIC BREAKERS, SAW CUTTING, MECHANICAL BREAKING, WATER JETTING, AND THERMAL LANCING ARE ACCEPTABLE. THE USE OF CHEMICALS AND EXPLOSIVES ARE NOT ACCEPTABLE.
5. ANY DAMAGE TO SURROUNDING EQUIPMENT, STRUCTURES, UTILITIES OR ADJACENT ITEMS SHALL BE RESTORED TO THE ENTITIES ORIGINAL CONDITION AT NO COST TO THE OWNER.
6. BEFORE CUTTING, EXAMINE THE SURFACES TO BE CUT AND PATCHED AND THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. IF UNSAFE OR OTHERWISE UNSATISFACTORY CONDITIONS ARE ENCOUNTERED, TAKE CORRECTIVE ACTION BEFORE PROCEEDING WITH THE WORK.
7. USE METHODS THAT ARE LEAST LIKELY TO DAMAGE WORK TO BE RETAINED OR ADJOINING WORK. IN GENERAL, WHERE CUTTING IS REQUIRED USE HAND OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING AND CHOPPING. CUT THROUGH CONCRETE AND MASONRY USING A CUTTING MACHINE SUCH AS A CARBORUNDUM SAW OR CORE DRILL TO INSURE A NEAT HOLE. CUT HOLES AND SLOTS NEATLY TO SIZE REQUIRED WITH MINIMUM DISTURBANCE OF ADJACENT WORK. TO AVOID MARRING EXISTING FINISHED SURFACES, CUT OR DRILL FROM THE EXPOSED OR FINISHED SIDE INTO CONCEALED SURFACES. TEMPORARILY COVER OPENINGS WHEN NOT IN USE.
8. RESTORE EXPOSED FINISHES OF PATCHED AREAS AND WHERE NECESSARY EXTEND FINISH RESTORATION INTO RETAINED ADJOINING WORK IN A MANNER WHICH WILL ELIMINATE EVIDENCE OF PATCHING AND REFINISHING.
9. SECURELY SEAL AND OR PLUG ALL STORM AND SANITARY SEWERS LEADING FROM THE STRUCTURE TO BE DEMOLISHED.
10. DEMOLISH STRUCTURES IN SUCH A MANNER AS TO AVOID HAZARDS TO PERSONS AND PROPERTY INTERFERENCE WITH THE USE OF ADJACENT BUILDINGS, AND INTERRUPTION OF FREE PASSAGE TO AND FROM SUCH BUILDINGS.
11. PROMPTLY DISPOSE OF DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM BUILDING SITE DEMOLITION OPERATIONS. NO BURNING IS ALLOWED. ALL WASTE MATERIALS SHALL BE REMOVED FROM THE PROJECT SITE AND LEGALLY DISPOSED OF IN AN EPA AND OWNER-APPROVED LANDFILL OR RECYCLING FACILITY. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.

GMC
11 North Water Street
Suite 15250
Mobile, AL 36602
T 251.460.4006

1" 0" .5" 1"

ISSUE	DATE
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Project Manager: DK
Engineer: DT
Designer: LS
Drawn By: LS

WOLF CREEK WASTEWATER TREATMENT PLANT
SPLITTER BOX MODIFICATIONS
FOR RIVIERA UTILITIES, FOLEY ALABAMA

CMOB240002

ALABAMA LICENSED 03/15/2024 No. 36869 PROFESSIONAL ENGINEER BRANDON ALLEN TILL

DEMOLITION KEY PLAN

X-001

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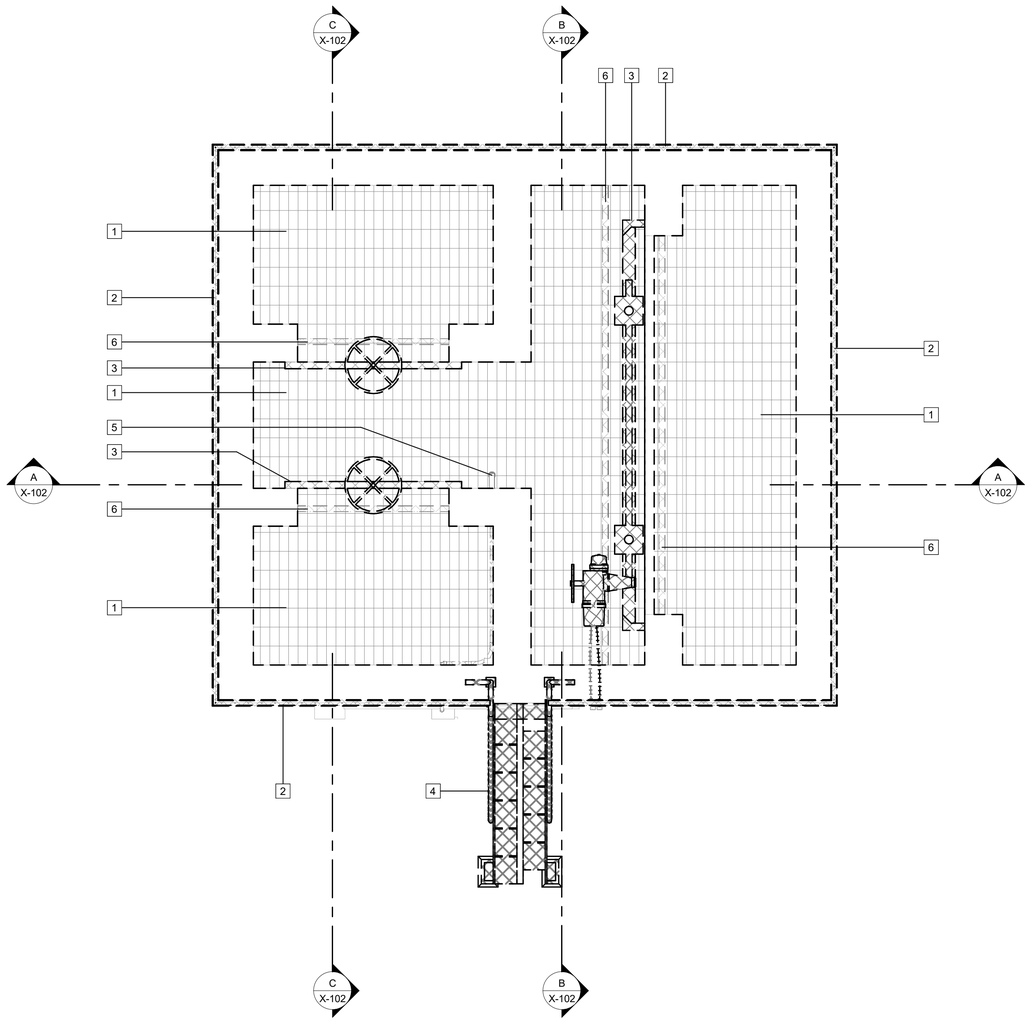

KEY NOTES: [#]

1. REMOVE AND REINSTALL: ALUMINUM GRATING
2. REMOVE AND REINSTALL: 3'-6" HANDRAILING W/ TOE PLATE
3. REMOVE AND REINSTALL: WEIR GATE
4. REMOVE: ALTERNATING STAIRS
5. REMOVE AND REINSTALL: LEVEL TRANSDUCER
6. REMOVE AND REINSTALL: GRATING SUPPORT BEAM (SEE STRUCTURAL)

1 X-101 **PLAN VIEW**
SCALE: 1/2" = 1'-0"

GMC
2660 Eastchase Lane
Suite 200
Montgomery, AL 36117
T 334.271.3200

1" .5" 0" 1"

ISSUE | DATE

Bid Set	03.15.2024
Conformed Set	

Project Manager:	DK
Engineer:	DT
Designer:	DT
Drawn By:	LS

WOLF CREEK WASTEWATER TREATMENT PLANT
SPLITTER BOX MODIFICATIONS
FOR RIVIERA UTILITIES, FOLEY, ALABAMA

CMOB240002

ALABAMA
LICENSED
03/15/2024
No. 36869
PROFESSIONAL
ENGINEER
JUSTIN ALLEN TILL

SPLITTER BOX - PLAN

X-101

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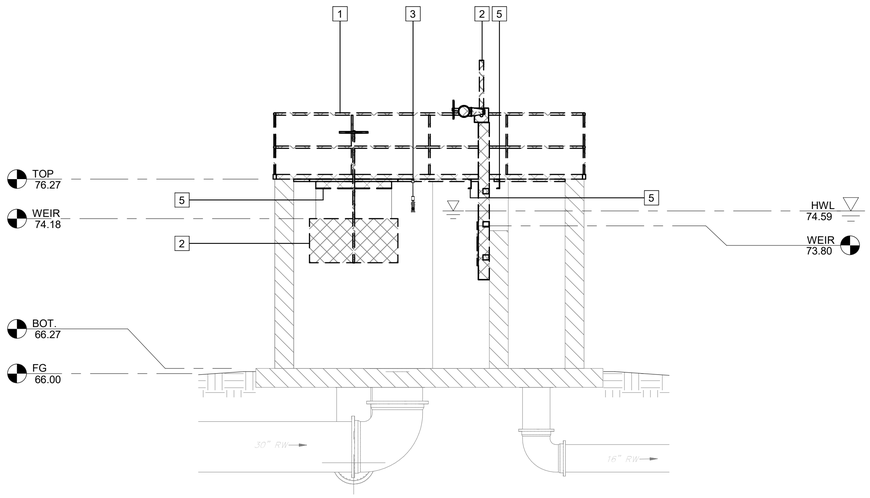

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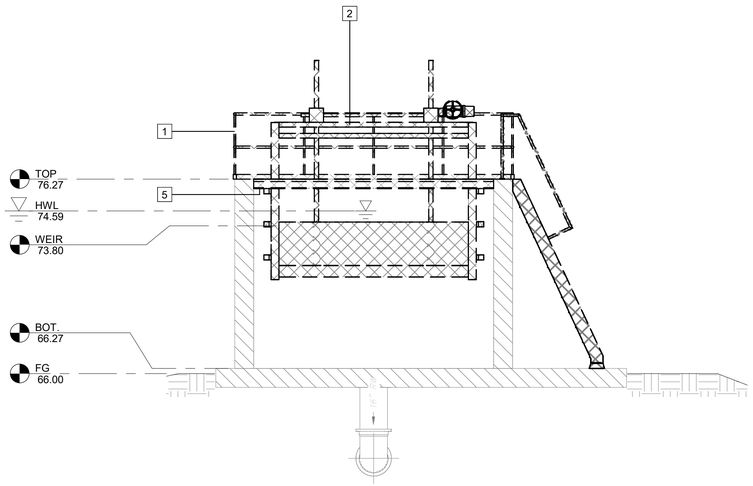
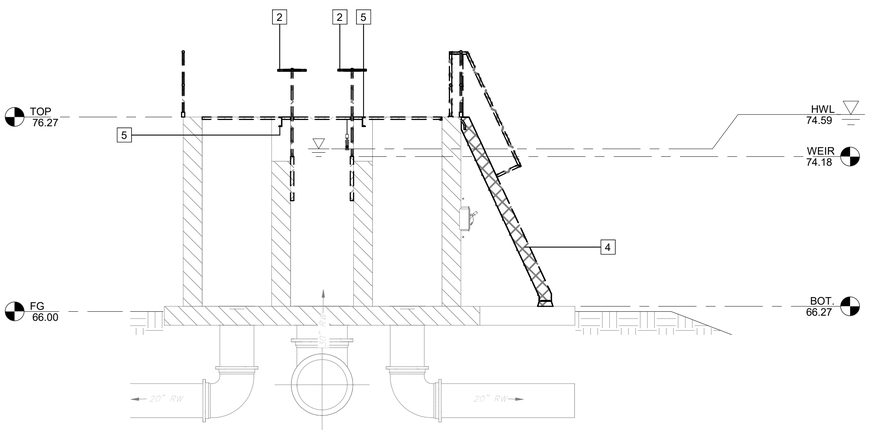
SCALE: 1/4" = 1'-0"



B X-101 **SECTION**
SCALE: 1/4" = 1'-0"



C X-101 **SECTION**
SCALE: 1/4" = 1'-0"

KEY NOTES: #

1. REMOVE AND REINSTALL: 3'-6" HANDRAILING W/ TOE PLATE
2. REMOVE AND REINSTALL: WEIR GATE
3. REMOVE AND REINSTALL: LEVEL TRANSDUCER
4. REMOVE: ALTERNATING STAIRS
5. REMOVE AND REINSTALL: GRATING SUPPORT BEAM (SEE STRUCTURAL)

GMC
2660 Eastchase Lane
Suite 200
Montgomery, AL 36117
T 334.271.3200

1" .5" 0" 1"

ISSUE | DATE

Bid Set 03.15.2024
Conformed Set

Project Manager: DK
Engineer: DT
Designer: DT
Drawn By: LS

WOLF CREEK WASTEWATER
TREATMENT PLANT
SPLITTER BOX MODIFICATIONS
FOR RIVIERA UTILITIES, FOLEY, ALABAMA

CMOB240002

ALABAMA LICENSED 03/15/2024 No. 36869 PROFESSIONAL ENGINEER BRENT IN ALLEN TILL

SPLITTER BOX SECTIONS

X-102

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CONCRETE:

1. SUBMITTALS PER SPECIFICATIONS.
2. COMPLY WITH ASTM C 94; ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", ACI 350 "CODE REQUIREMENTS FOR ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES"; AND CRSI'S "MANUAL OF STANDARD PRACTICE."
3. DEFORMED REINFORCING BARS: ASTM A615, GRADE 60.
4. WELDED WIRE FABRIC: ASTM A 185, FLAT SHEETS.
5. PORTLAND CEMENT: ASTM C 150, TYPE I OR II.
6. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM SPECIFIED 28 DAY COMPRESSIVE STRENGTH:
   A. SLABS ON GRADE AND PIPE ENCASEMENT---------- 3000 PSI
   B. LIQUID RETAINING AND CONTAINMENT STRUCTURES ---------- 4000 PSI
7. UNLESS OTHERWISE NOTED, ALL DETAILING, FABRICATION, AND PLACING OF REINFORCING STEEL SHALL CONFORM IN ACCORDANCE WITH "ACI DETAILING MANUAL", PUBLICATION SP-66, ACI 318-11, AND ACI 315-99, OR LATEST EDITIONS.
8. REINFORCEMENT SHALL BE FABRICATED TO SHAPES AND DIMENSIONS SHOWN AND SHALL CONFORM TO THE REQUIREMENTS OF CRSI AND ACI 318. REINFORCEMENT SHALL BE COLD BENT UNLESS OTHERWISE AUTHORIZED. BENDING MAY BE ACCOMPLISHED IN THE FIELD OR AT THE MILL. BARS NOT TO BE BENT AFTER EMBEDDED IN CONCRETE. REINFORCEMENT SHALL BE FREE FROM LOOSE RUST AND SCALE, DIRT, OIL, OR OTHER DELETERIOUS COATING THAT COULD REDUCE BOND WITH THE CONCRETE.
9. ALL REINFORCING BAR SPLICE LENGTHS AND LOCATIONS, EMBEDMENT LENGTHS, HOOKS, ETC. SHALL BE MADE AS SHOWN ON THE DRAWINGS, DEVIATIONS SHALL NOT BE MADE UNLESS OTHERWISE AUTHORIZED.
10. PROVIDE CLASS B LAP SPLICES IN ACCORDANCE WITH ACI 318 UNLESS NOTED OTHERWISE. PROVIDE ACCESSORIES NECESSARY TO PROPERLY SUPPORT REINFORCING AT POSITIONS SHOWN ON THE PLANS.
    TENSION AND COMPRESSION REINFORCEMENT SPLICES SHALL BE MADE AS FOLLOWS:

	>12" FRESH CONCRETE BELOW	OTHER BARS
#4 BARS	32 INCHES	25 INCHES
#5 BARS	40 INCHES	31 INCHES
#6 BARS	48 INCHES	37 INCHES
#7 BARS	70 INCHES	54 INCHES
#8 BARS	80 INCHES	63 INCHES
#9 BARS	91 INCHES	70 INCHES
#10 BARS	103 INCHES	80 INCHES

11. MINIMUM CONCRETE REINFORCING COVER REQUIREMENTS:
    CONCRETE CAST AGAINST EARTH ---------- 3"
    FORMED CONCRETE EXPOSED TO EARTH OR WEATHER:
    #6 BARS AND LARGER ---------- 2"
    #5 BARS AND SMALLER ---------- 1 1/2"
12. CONCRETE SLABS ON GRADE SHALL BE REINFORCED AS NOTED ON PLANS.
13. ALL REINFORCING STEEL AND EMBEDDED ITEMS SUCH AS ANCHOR BOLTS AND WELD PLATES SHALL BE ACCURATELY PLACED IN THE POSITIONS SHOWN AND ADEQUATELY TIED AND SUPPORTED BEFORE CONCRETE IS PLACED TO PREVENT DISPLACEMENT BEYOND PERMITTED TOLERANCES.
14. REFER TO DRAWINGS OF OTHER TRADES FOR PENETRATIONS IN CONCRETE FLOORS, REQUIRING SLEEVES OR OTHER EMBEDDED ITEMS NOT SHOWN.
15. CONSTRUCTION JOINTS FOR CONTINUOUS WALLS / FOOTINGS SHALL CONSIST OF BULK-HEAD FORM WITH FOOTING REINFORCING PROJECTING THROUGH FORM 3 FEET OR CLASS B LAP SPLICE FOR LONGITUDINAL BARS, WHICHEVER IS GREATER.
16. CROSS REFERENCE ALL CONSTRUCTION DOCUMENTS FOR DIMENSIONS AND LOCATIONS NOT SPECIFICALLY SHOWN. INFORM THE COTR IN WRITING OF MISSING INFORMATION OR CONFLICTS.
17. DO NOT ADD WATER TO CONCRETE DURING DELIVERY, AT PROJECT SITE OR DURING PLACEMENT UNLESS APPROVED BY THE ENGINEER.
18. PROTECT CONCRETE FROM PHYSICAL DAMAGE OR REDUCED STRENGTH DUE TO WEATHER EXTREMES DURING MIXING, PLACING AND CURING.
19. FORM 1/8" WIDE CONTRACTION JOINTS WITH POWER SAWS WHEN CUTTING ACTION WILL NOT TEAR, ABRADE, OR OTHERWISE DAMAGE CONCRETE SURFACE AND BEFORE CONCRETE DEVELOPS RANDOM CONTRACTION JOINTS. SEE DETAILS FOR ADDITIONAL INFORMATION.
20. BEGIN CURING UNFORMED CONCRETE AFTER FINISHING. KEEP LIQUID RETAINING CONCRETE CONTINUOUSLY MOIST FOR AT LEAST 7 DAYS. MEMBRANE FORMING CURING COMPOUND MAY BE USED ON NON-LIQUID RETAINING CONCRETE. CONTRACTOR SHALL VERIFY COMPOUND IS COMPATIBLE WITH ALL FLOOR COVERINGS AND COATINGS.
21. PROTECT CONCRETE FROM DAMAGE. REPAIR CONCRETE SURFACE DEFECTS WITH METHODS AND MATERIALS APPROVED BY COTR.
22. ANCHORING ADHESIVE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. SUBMIT PRODUCT DATA FOR EACH APPLICATION FOR REVIEW. USE ONE OF THE FOLLOWING PRODUCTS:
    A. HILTI HY 150 INJECTION MAX ADHESIVE ANCHORING SYSTEM
    B. RAMSET / RED HEAD EPCON CERAMIC 6 EPOXY ANCHORING SYSTEM
    C. SIMPSON STRONG TIE "AT" OR "SET" DEPENDING ON APPLICATION
    D. ADDITIONALLY, PROVIDE SCREEN TUBE ANCHORS IN HOLLOW CORE MASONRY

STRUCTURAL STEEL

1. STRUCTURAL W-SECTION SHAPES SHALL CONFORM TO ASTM A992.
2. STRUCTURAL RECTANGULAR HSS SHALL CONFORM TO ASTM A500 GR. C.
3. STRUCTURAL ROUND HSS SHALL CONFORM TO ASTM A500 GR. C.
4. STRUCTURAL AND MISCELLANEOUS STEEL ITEMS SHALL CONFORM TO ASTM A36.
5. STRUCTURAL BOLTS SHALL BE ASTM A-325X WITH NUTS AND WASHERS.
6. DETAIL, FABRICATION, AND ERECTION OF ALL STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH LATEST AISC STANDARDS AND SPECIFICATIONS.
7. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 (LATEST EDITION)
8. ELECTRODES SHALL BE E70XX.
9. UNLESS OTHERWISE NOTED OR DETAILED, ALL SHEAR CONNECTIONS SHALL BE DESIGNED USING THE APPROPRIATE DATA FROM PART 10 -"DESIGN OF SIMPLE SHEAR CONNECTIONS" FROM THE AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION. DESIGN END REACTION IS 60% OF TOTAL ALLOWABLE LOAD (60% x Wc) FROM THE ALLOWABLE LOAD OF BEAM TABLE FROM PART 9 - "DESIGN OF CONNECTING ELEMENTS" OF THE AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION.
10. ALL STEEL ITEMS SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.

DESIGN LOADS:

LIVE LOADS:
- ELEVATED PLATFORMS ---------- 150 PSF

WIND LOADS:
- BASIC WIND VELOCITY ---------- 168 MPH (ULT., 3-SEC. GUST)
- OCCUPANCY CATEGORY ---------- III
- WIND EXPOSURE ---------- B
- INTERNAL PRESSURE COEFFICIENTS ---------- +/- 0.18

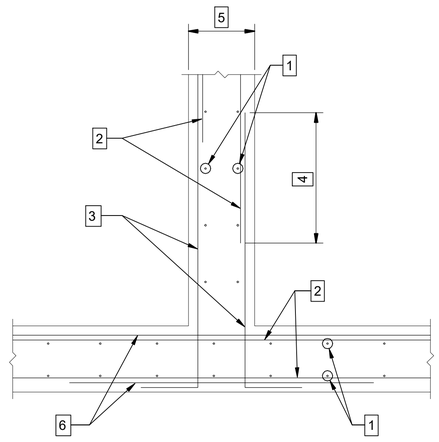
SEISMIC LOADS:
- SEISMIC USE GROUP ---------- III
- SEISMIC IMPORTANCE FACTOR (Ie)---------- 1.25
- MAPPED SPECTRAL RESPONSE ACCELERATION:
  - Ss ---------- 0.092
  - S1 ---------- 0.054
- SITE CLASS ---------- D
- SPECTRAL RESPONSE COEFFICIENTS:
  - Sds ---------- 0.098
  - Sd1 ---------- 0.086
- SEISMIC DESIGN CATEGORY ---------- B

APPLICABLE CODES AND SPECIFICATIONS:

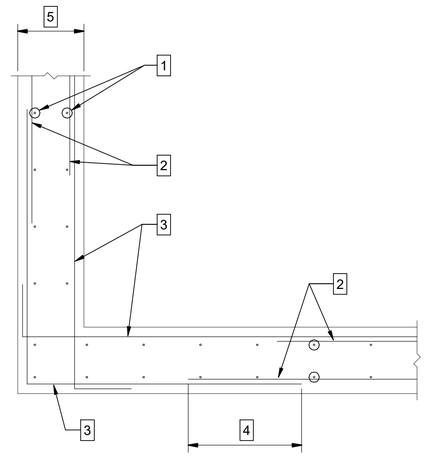
INTERNATIONAL BUILDING CODE 2021
AMERICAN CONCRETE INSTITUTE - ACI 350 / ACI 318
CONCRETE REINFORCING STEEL INSTITUTE
AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AMERICAN IRON AND STEEL INSTITUTE
AMERICAN SOCIETY OF TESTING AND MATERIALS
AMERICAN WELDING SOCIETY

REQUIRED NOTES: #

1. TYPICAL VERTICAL WALL REINFORCING
2. TYPICAL HORIZONTAL WALL REINFORCING
3. CORNER REINFORCING. SEE PLANS FOR SIZE AND SPACING (TYPICAL)
4. CLASS B TENSION LAP SPLICE (TYP.)
5. WALL THICKNESS
6. ADDITIONAL HORIZONTAL REINFORCING. SEE PLAN FOR SIZE AND SPACING (TYP.)
7. 2-#5 CONT. w/ #3 TIES @ 36" O.C.
8. #6 @ 12" O.C. (TYPICAL)



A S-001 **TYPICAL INTERSECTING WALLS**
SCALE: 3/4" = 1'-0"



B S-001 **TYPICAL CORNER REINFORCING**
SCALE: 3/4" = 1'-0"

GMC
2660 Eastchase Lane
Suite 200
Montgomery, AL 36117
T 334.271.3200

1" 0" 5" 1"

ISSUE | DATE

Bid Set	03.15.2024
Conformed Set	

Project Manager:	DK
Engineer:	DT
Designer:	JD
Drawn By:	JD

WOLF CREEK WASTEWATER TREATMENT PLANT
SPLITTER BOX MODIFICATIONS
FOR RIVIERA UTILITIES, FOLEY, ALABAMA

CMOB240002

ALABAMA LICENSED No. 35159 PROFESSIONAL ENGINEER JEREMY D. DAY

STRUCTURAL NOTES & TYPICAL DETAILS

S-001

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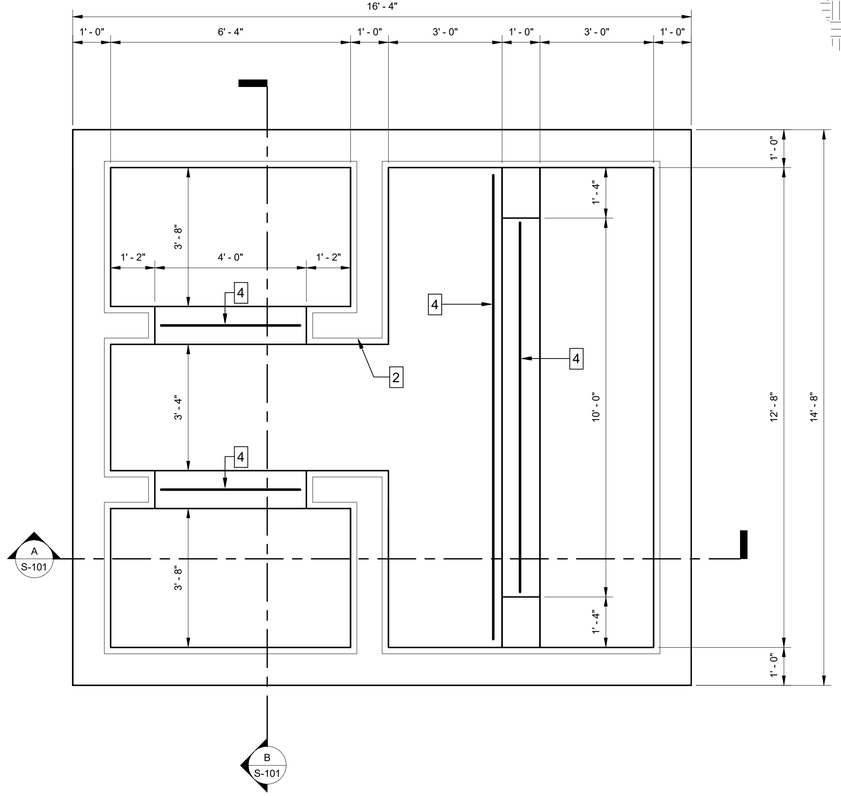
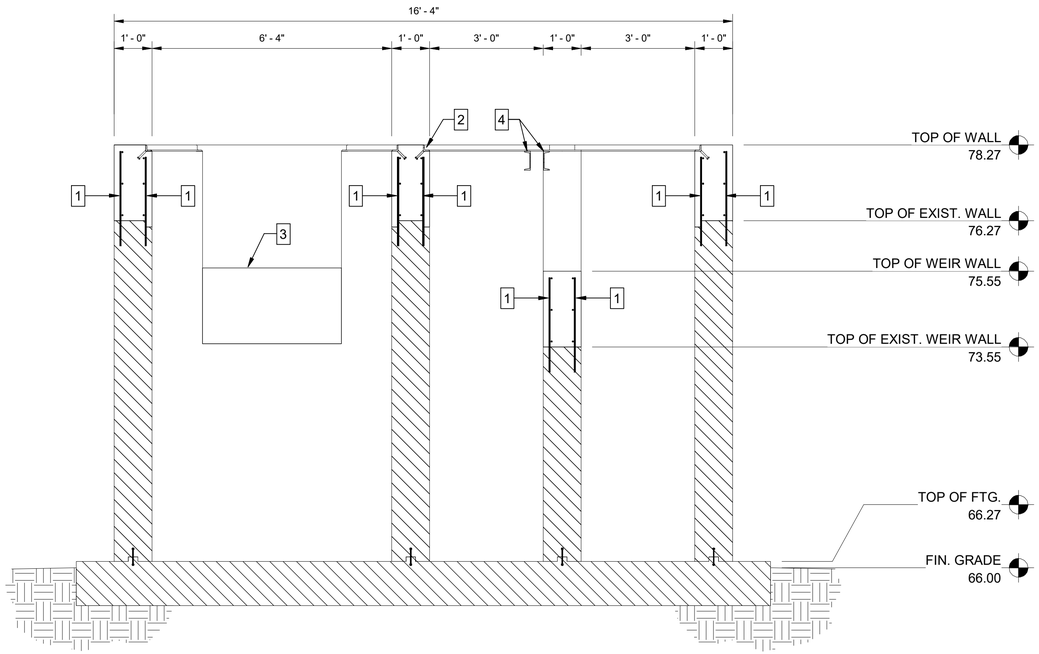


1 S-101 **PLAN**

2' 1 0' 2' 4'

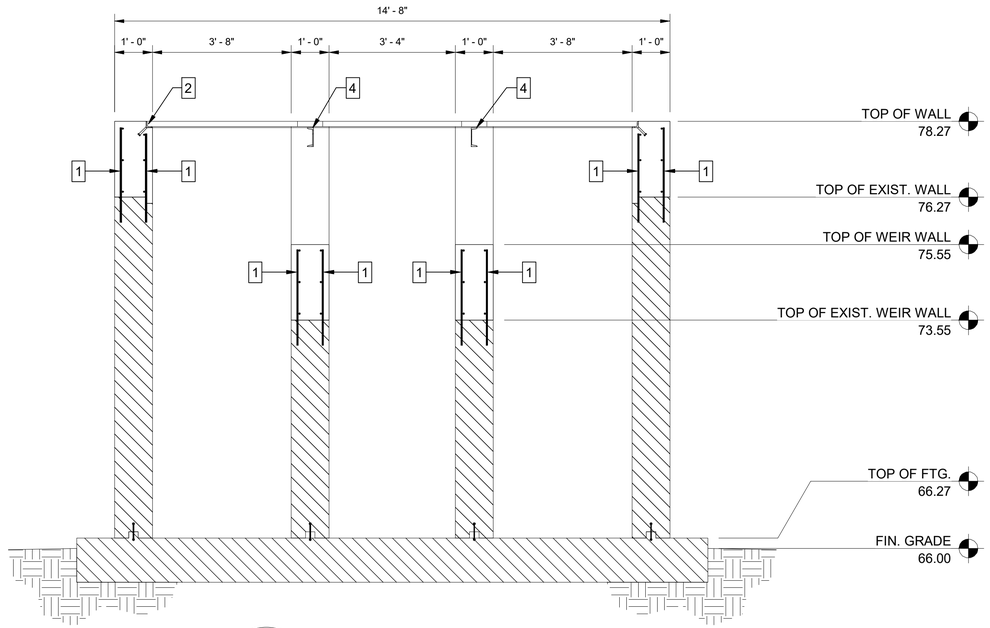
SCALE: 1/2" = 1'-0"



A S-101 **SECTION**

2' 1 0' 2' 4'

SCALE: 1/2" = 1'-0"



B S-101 **SECTION**

2' 1 0' 2' 4'

SCALE: 1/2" = 1'-0"

REQUIRED NOTES: #

1. #5 @ 12" O.C. VERT., #5 @ 12" O.C. HORIZ. - DRILL & EPOXY VERTICALS INTO TOP OF EXISTING WALL (8" MIN.)
2. L2x2x3/8 w/ 3/8" DIA. x 4" H.S. ANCHORS @ 36" O.C. (TYP.)
3. WEIR OPENING IN WALL BEYOND
4. ALUMINUM C6x4.03 GRATING SUPPORT (REMOVE & REINSTALL)

GMC

2660 Eastchase Lane
Suite 200
Montgomery, AL 36117
T 334.271.3200

1" 5" 0" 1"

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Engineer:	DT
Designer:	JD
Drawn By:	JD

WOLF CREEK WASTEWATER TREATMENT PLANT
SPLITTER BOX MODIFICATIONS
FOR RIVIERA UTILITIES, FOLEY, ALABAMA

CMOB240002

ALABAMA LICENSED No. 35159 PROFESSIONAL ENGINEER JEREMY D. DAY

SPLITTER BOX PLAN & SECTIONS

S-101

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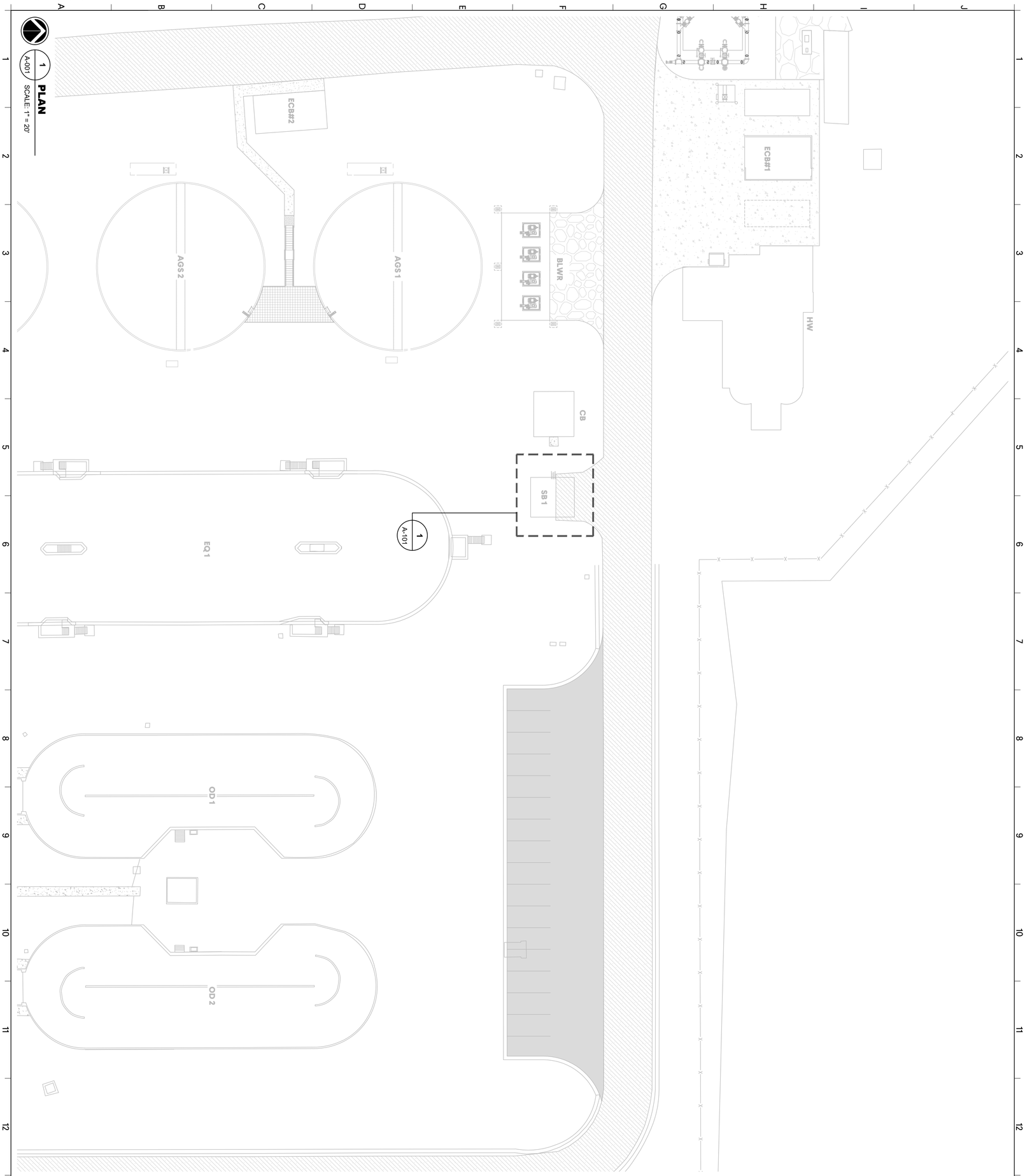

ARCHITECTURAL KEY PLAN

A-001

ALABAMA LICENSED 03/15/2024 PROFESSIONAL ENGINEER 35689 JUSTIN ALLEN TILL

WOLF CREEK WASTEWATER TREATMENT PLANT
SPLITTER BOX MODIFICATIONS
FOR RIVIERA UTILITIES, FOLEY ALABAMA

CMOB240002

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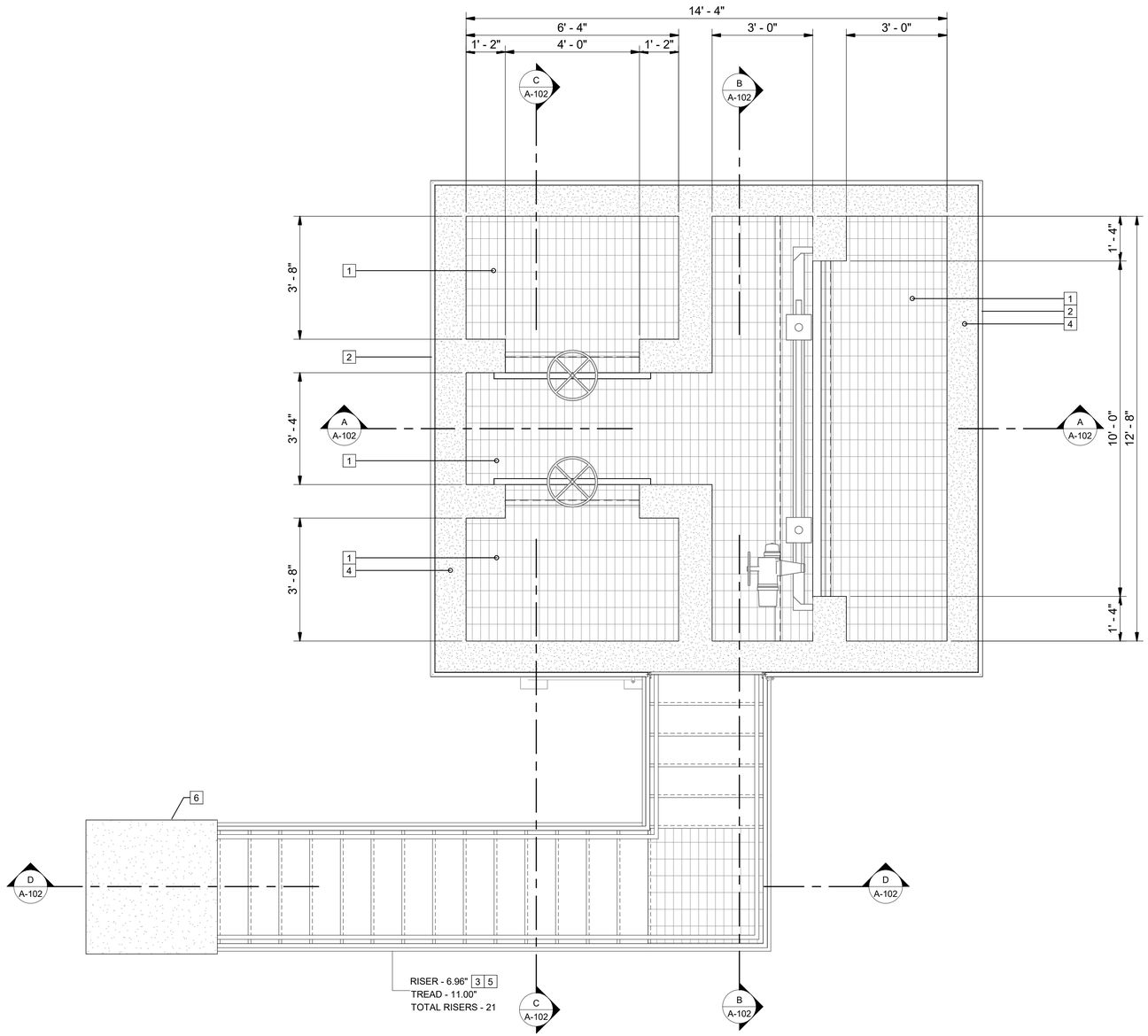
1" .5" 0" 1"

GMC



KEY NOTES: #

1. ALUMINUM GRATING (REINSTALLED)
2. 3'-6" HANDRAILING W/ TOE PLATE (REINSTALLED)
3. METAL STAIRS
4. CONCRETE WALL - SEE STRUCTURAL
5. STAIR HANDRAILING
6. 4'X4'X4" CONCRETE LANDING

1 A-101 **PLAN VIEW**
SCALE: 1/2" = 1'-0"

GMC

2660 Eastchase Lane
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T 334.271.3200

1" .5" 0"

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WOLF CREEK WASTEWATER TREATMENT PLANT
SPLITTER BOX MODIFICATIONS
FOR RIVIERA UTILITIES, FOLEY, ALABAMA

CMOB240002

ALABAMA LICENSED 03/15/2024 No. 36869 PROFESSIONAL ENGINEER JUSTIN ALLEN TILL

SPLITTER BOX - PLAN

A-101

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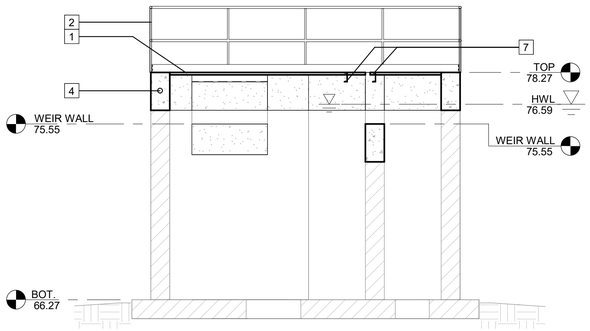
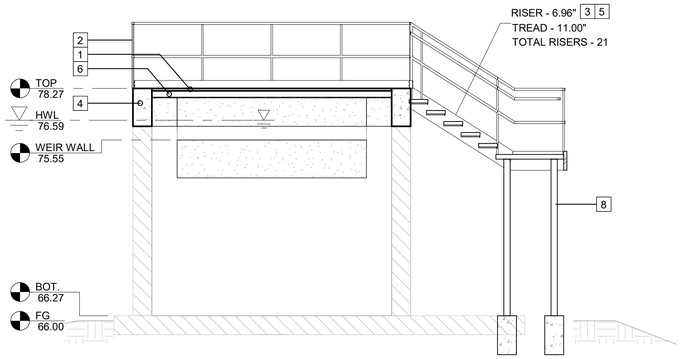


A **SECTION**
A-101 SCALE: 1/4" = 1'-0"



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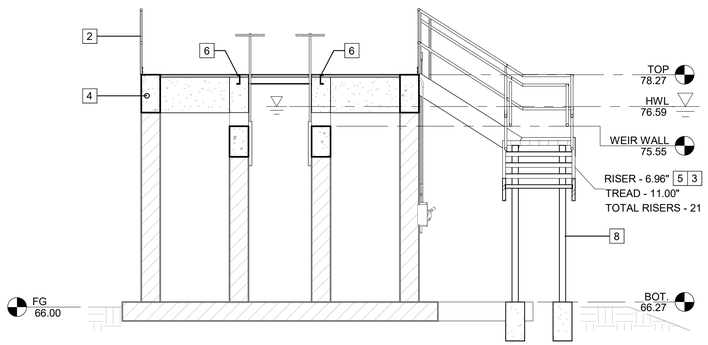

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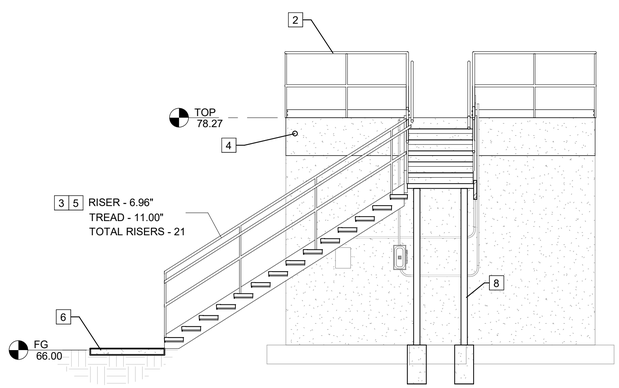

D **SECTION**
A-101 SCALE: 1/4" = 1'-0"

KEY NOTES: #

1. ALUMINUM GRATING (REINSTALLED)
2. 3'-6" HANDRAILING W/ TOE PLATE (REINSTALLED)
3. METAL STAIRS
4. CONCRETE WALL - SEE STRUCTURAL
5. STAIR HANDRAILING
6. 4'X4'X4" CONCRETE LANDING
7. GRATING SUPPORT BEAM (REINSTALLED)
8. STAIR SUPPORT

GMC
2660 Eastchase Lane
Suite 200
Montgomery, AL 36117
T 334.271.3200

1" 0" .5" 1"

ISSUE | DATE

Bid Set 03.15.2024
Conformed Set

Project Manager: DK
Engineer: DT
Designer: DT
Drawn By: LS

WOLF CREEK WASTEWATER TREATMENT PLANT
SPLITTER BOX MODIFICATIONS
FOR RIVIERA UTILITIES, FOLEY, ALABAMA

CMOB240002

ALABAMA LICENSED 03/15/2024 No. 36869 PROFESSIONAL ENGINEER BRENT IN ALLEN TILL

SPLITTER BOX SECTIONS

A-102

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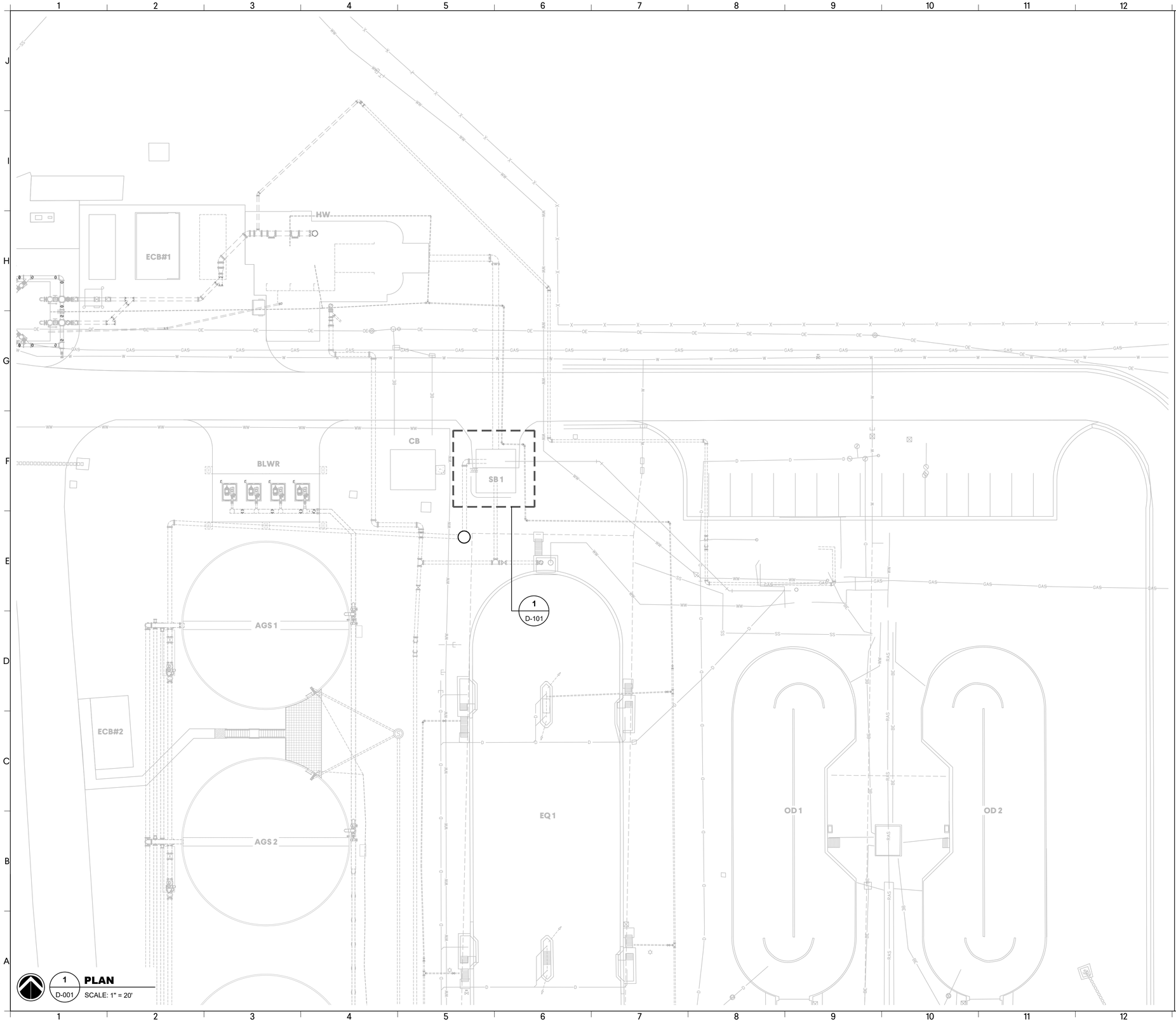

1 D-001 **PLAN**
SCALE: 1" = 20'

PROCESS NOTES:

1. PROCESS EQUIPMENT DIMENSIONS, LOCATIONS, AND PIPING SYSTEM LAYOUTS SHOWN ON THE DRAWINGS ARE BASED ON EQUIPMENT SELECTED BY ENGINEER AND INFORMATION AVAILABLE TO ENGINEER. CONTRACTOR SHALL VERIFY FIELD CONDITIONS, ACTUAL EQUIPMENT DIMENSIONS AND INSTALLATION REQUIREMENTS BASED ON SHOP DRAWINGS, AND ALL NECESSARY DETAILS FOR COMPLETE INSTALLATION.
2. EQUIPMENT ARRANGEMENTS ARE BASED ON THE EQUIPMENT BASIS OF DESIGN IN THE SPECIFICATIONS. CHANGES TO THE LISTED BASIS OF DESIGN RESULTING IN DIFFERENCES OF THE SHOWN ARRANGEMENT SHALL BE THE CONTRACTORS RESPONSIBILITY. NO PAYMENT WILL BE ISSUED TO THE CONTRACTOR FOR MODIFICATIONS TO THE LAYING LENGTH, CONCRETE LAYOUT, ELECTRICAL OR MECHANICAL REQUIREMENTS, ETC.
5. VALVES, PIPES, MOTORS, ELECTRICAL PANELS, ETC. SHALL BE POSITIONED SO THAT THEY DO NOT INTERFERE WITH PEDESTRIAN TRAFFIC.
6. ALL ELECTRICAL APPURTENANCES AND EQUIPMENT SHOWN ON THIS SHEET AND EXCLUDED FOR CLARITY SHALL BE COORDINATED WITH THE ELECTRICAL PLANS AND SPECIFICATIONS.
7. ALL STRUCTURAL ENTITIES SHOWN ON THIS SHEET AND EXCLUDED FOR CLARITY SHALL BE COORDINATED WITH THE STRUCTURAL PLANS AND SPECIFICATIONS.
8. DRAWINGS MAY NOT SHOW ALL VALVES, GAUGES, SWITCHES, OPERATORS, DRAINS, VENTS, ETC., REQUIRED FOR THE COMPLETE SYSTEM. CERTAIN SMALL DIAMETER PROCESS PIPING RUNS MAY NOT BE SHOWN IN THEIR ENTIRETY. GENERALLY, NOT EVERY FITTING AND OFFSET IS SHOWN. SOME VALVES AND APPURTENANCES MAY BE OMITTED FOR THE SAKE OF CLARITY. THE CONTRACTOR SHALL FURNISH, INSTALL, AND TEST ALL PIPING SYSTEMS AS INDICATED ON THE PROCESS SYSTEM FLOW SCHEMATICS AND/OR AS DEFINED IN THE SPECIFICATIONS AND/OR AS REQUIRED TO PROVIDE THE COMPLETE SYSTEM.

GMC
11 North Water Street
Suite 15250
Mobile, AL 36602
T 251.460.4006

1" 0" .5" 1"

ISSUE	DATE
Bid Set	03.15.2024
Conformed Set	

Project Manager: DK
Engineer: DTT
Designer: LS
Drawn By: LS

WOLF CREEK WASTEWATER TREATMENT PLANT
SPLITTER BOX MODIFICATIONS
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CMOB240002

ALABAMA LICENSED 03/15/2024 No. 36869 PROFESSIONAL ENGINEER JUSTIN ALLEN TILL

PROCESS KEY PLAN

D-001

DRAWING FILE: T:\1 Projects\ALL\Riviera Utilities\CMOB240002 - Splitter Box Modification\10 DWG\1 PLANS\02 SHEETS\10 PROCESS\D-001.dwg
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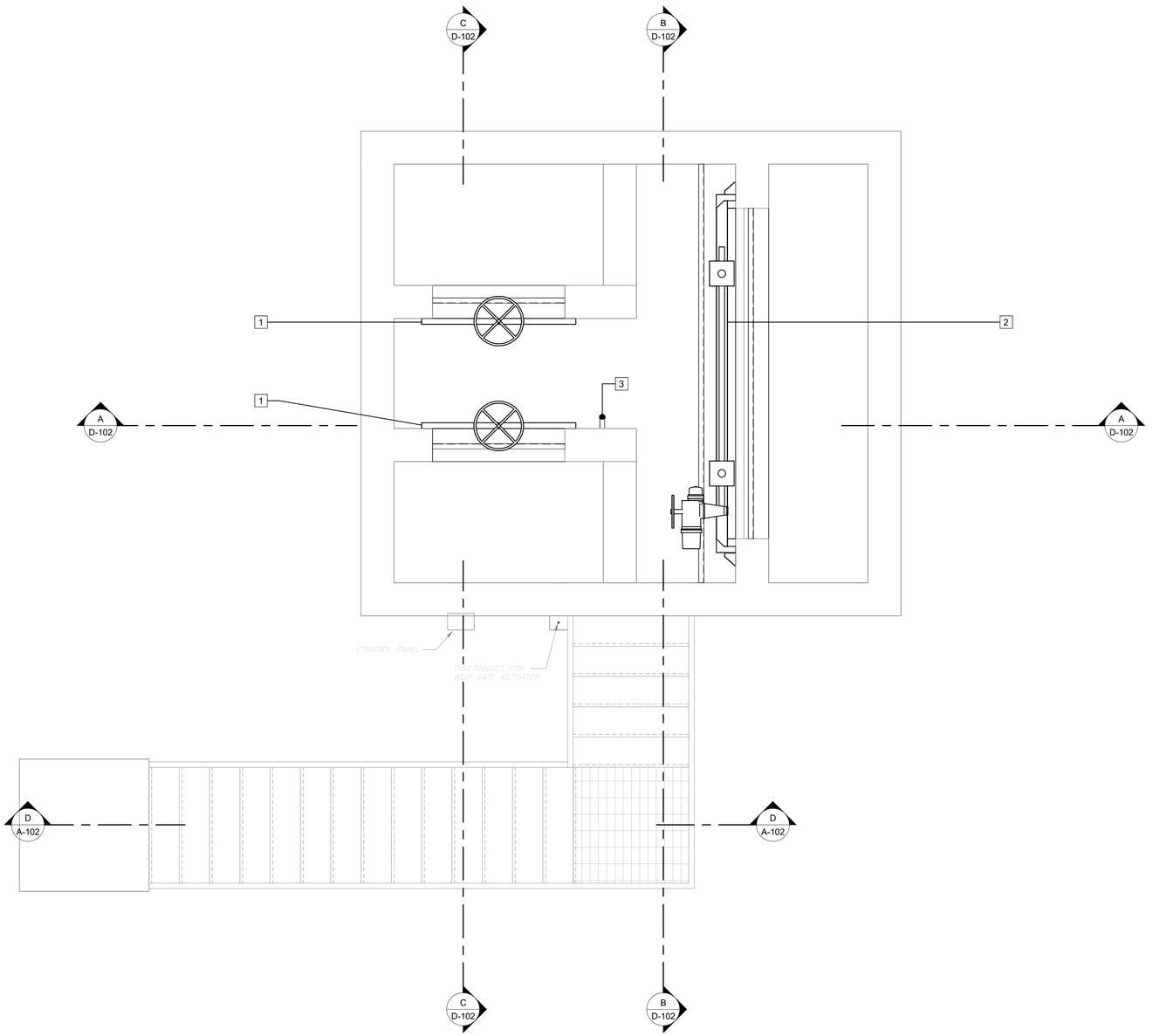

NOTES:

1. REMOVE EXISTING CONDUIT AND WIRE BETWEEN EXISTING DISCONNECT AND MOTOR CONTROLLED SLIDE GATE (POWER CIRCUIT). INSTALL NEW CONDUIT AND WIRE BETWEEN EXISTING DISCONNECT AND NEW MOTOR CONTROLLED VALVE LOCATION. MATCH EXISTING CONDUIT TYPE, WIRE TYPE, AND INSTALLATION METHODS FOR NEW INSTALLATION.
2. REMOVE EXISTING CONDUIT AND WIRE BETWEEN EXISTING CONTROL PANEL AND MOTOR CONTROLLED SLIDE GATE (CONTROL CIRCUITS). INSTALL NEW CONDUIT AND WIRE BETWEEN EXISTING CONTROL PANEL AND NEW MOTOR CONTROLLED VALVE LOCATION. MATCH EXISTING CONDUIT TYPE, WIRE TYPE, AND INSTALLATION METHODS FOR NEW INSTALLATION.
3. REMOVE EXISTING CONDUIT AND WIRE BETWEEN EXISTING LEVEL TRANSDUCER AND TRANSMITTER/CONTROLLER. INSTALL NEW CONDUIT AND WIRE BETWEEN EXISTING TRANSMITTER/CONTROLLER AND NEW LEVEL TRANSDUCER LOCATION. MATCH EXISTING CONDUIT TYPE, WIRE TYPE, AND INSTALLATION METHODS FOR NEW INSTALLATION. LEVEL TRANSDUCER SHALL BE RE-CALIBRATED AFTER REINSTALLATION.
4. ALL NEW CIRCUITS SHALL BE CONTINUOUS RUNS. NO SPLICING ALLOWED.

KEY NOTES: [#]

1. 4' WEIR GATE (REINSTALLED)
2. 10' WEIR GATE (REINSTALLED)
3. LEVEL TRANSDUCER (REINSTALLED)

1 D-101 **UPPER PLAN**
SCALE: 1/2" = 1'-0"

GMC
2660 Eastchase Lane
Suite 200
Montgomery, AL 36117
T 334.271.3200

1" .5" 0"

ISSUE | DATE
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WOLF CREEK WASTEWATER TREATMENT PLANT
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ALABAMA LICENSED 03/15/2024 No. 36869 PROFESSIONAL ENGINEER JUSTIN ALLEN TILL

SPLITTER BOX - PLAN

D-101

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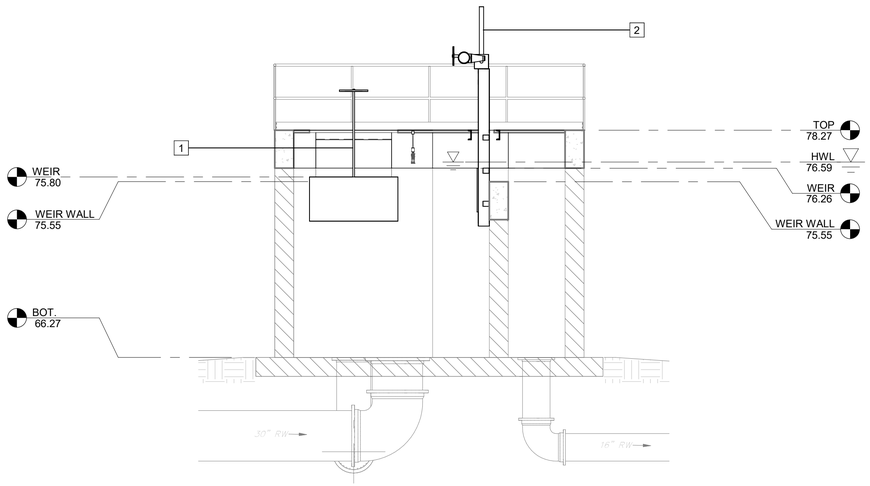
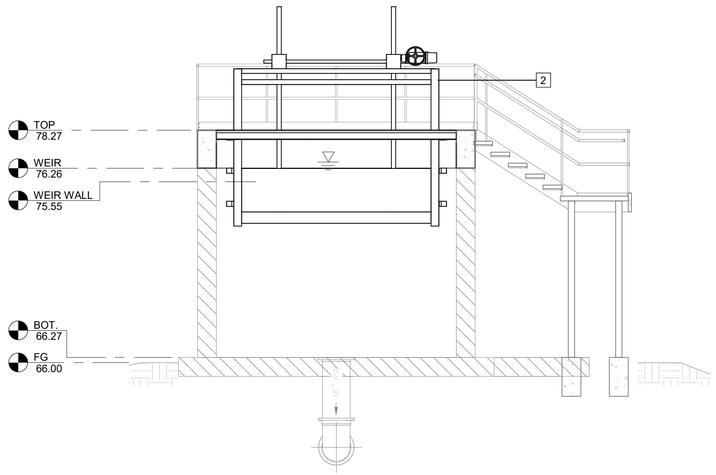


A **SECTION**
D-101 SCALE: 1/4" = 1'-0"



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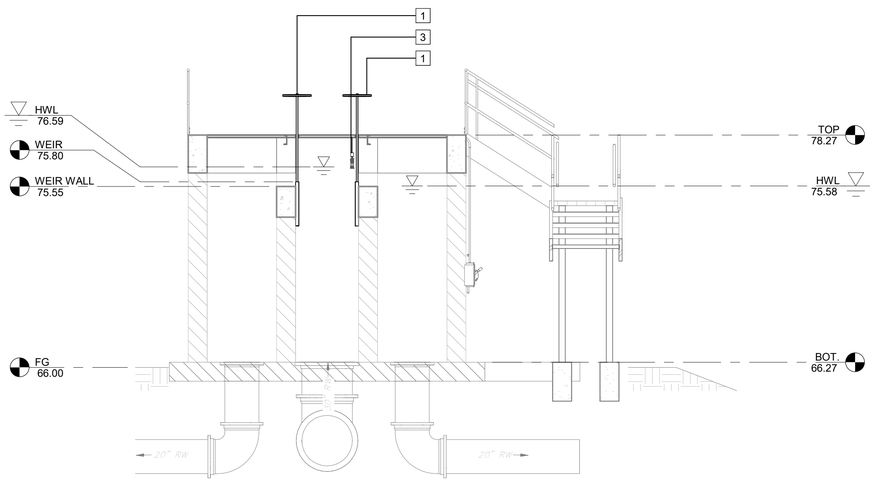
D-101 SCALE: 1/4" = 1'-0"



C **SECTION**
D-101 SCALE: 1/4" = 1'-0"

GENERAL NOTES:

EXISTING SLIDE GATES SHALL BE REINSTALLED AT PROPOSED ELEVATIONS ACCORDING TO MANUFACTURER RECOMMENDATIONS.

KEY NOTES: [#]

1. 4' WEIR GATE (REINSTALLED)
2. 10' WEIR GATE (REINSTALLED)
3. LEVEL TRANSDUCER (REINSTALLED)

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Montgomery, AL 36117
T 334.271.3200

1" 0" .5" 1"

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WOLF CREEK WASTEWATER TREATMENT PLANT
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FOR RIVIERA UTILITIES, FOLEY, ALABAMA

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SPLITTER BOX SECTIONS

D-102

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