

310



OCTOBER 2026

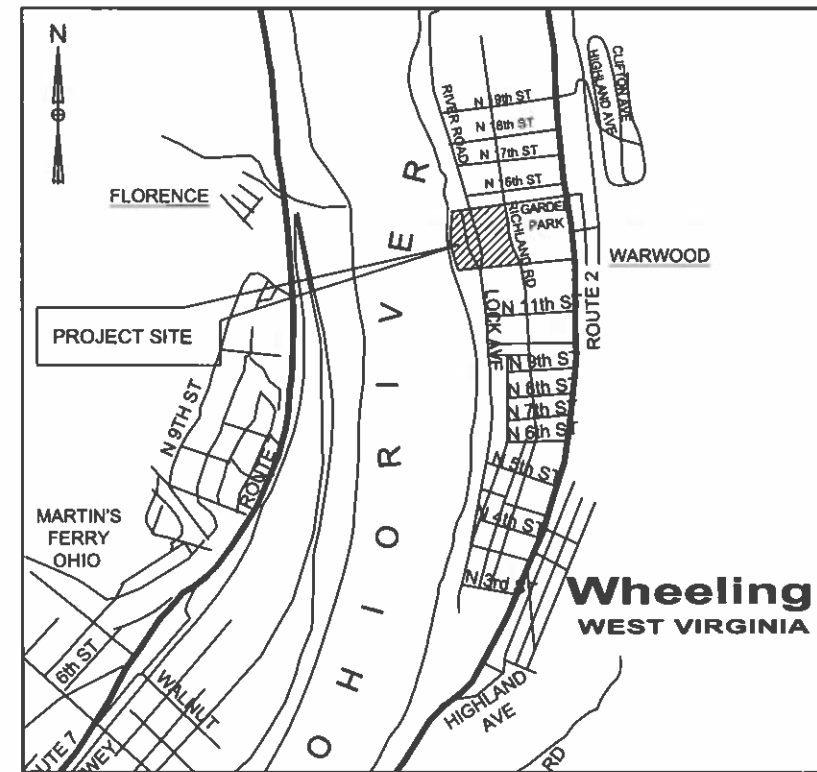
APPROVALS AND OFFICIALS

William L. Herron *Assistant City Manager 10/19/2026*
ROBERT HERRON CITY MANAGER

Lori Siburt Superintendent 10/19/2026
LORI SIBURT WATER SUPERINTENDENT DATE

DENNY MAGRUDER
JERRY SKLAVOUNAKIS
TONY ASSARO
BEN SEIDLER
CONNIE CAIN
TY THORNGATE
DAVE PALMER

MAYOR
VICE MAYOR/COUNSEL
COUNCIL
COUNCIL
COUNCIL
COUNCIL
COUNCIL



LOCATION MAP
SCALE: 1" = 1200'

PROJECT SITE	ENGINEER
CITY OF WHEELING WATER TREATMENT PLANT (WTP) 1551 RICHLAND AVE WHEELING, WV 26003	VERDANTAS LLC 2001 MAIN STREET, SUITE 600 WHEELING, WV 26003

DESIGN ENGINEER:

 **DANIEL E. BARR** **P E No. 64544**

10/13/2026
DATE



NOTE:
THE SURVEY SHOWN ON THESE PLANS WAS OBSERVED IN THE FIELD FOR CONSTRUCTION PURPOSES ONLY AND MAY NOT BE SUITABLE FOR PROPERTY LINE SURVEYS OR ANY OTHER PURPOSE.

**CITY OF WHEELING WATER
TREATMENT PLANT IMPROVEMENTS**

**EEELING, WEST VIRGINIA
GENERAL - 00 SERIES**

11175

PROJECT NO.	36428
DISCIPLINE	GENERAL
SHEET NAME	MOG-01

SHEET	OF
1	7

	AIR CONDITIONING UNIT				
ABDN	ABANDON	GA	GAGE		
ADF	AVERAGE DAY FLOW	GALV	GALVANIZED		
AFF	ABOVE FINISHED FLOOR	GC	GENERAL CONTRACTOR		
ALT	ALTERNATE (ING)	GL	GLASS		
ALUM.	ALUMINUM	GLDP	GLASS LINED DUCTILE IRON PIPE		
ANOD	ANODIZE	GOV	GLOBE VALVE		
APPROX	APPROXIMATE (LY)	GPD	GALLONS PER DAY		
ARCH	ARCHITECT (URAL) (URE)	GPM	GALLONS PER MINUTE		
AS	ACTIVATED SLUDGE	GND	GROUND		
ASPH	ASPHALT	GV	GATE VALVE		
ASSOC	ASSOCIATION	HB	HOSE BIBB		
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	HDPE	HIGH DENSITY POLYETHYLENE		
AUX	AUXILIARY	HOR	HORIZONTAL		
AVG	AVERAGE	H	HEIGHT		
AWG	AMERICAN WIRE GAUGE	HW	HOT WATER		
B	BOTTOM	HYD	HYDRANT		
BF	BLIND FLANGE	HZ	HERTZ		
BFV	BUTTERFLY VALVE	IB	INLET BASIN		
		ID	INSIDE DIAMETER		
BHP	BRAKE HORSEPOWER	IF	INSIDE FACE		
BIT	BITUMINOUS	IN	INCH		
BL	BASE LINE	INF	INFILTRANT		
BLDG	BUILDING	INT	INTERIOR		
BM	BENCHMARK	INV	INVERT		
BO	BOTTOM OF	IP	IRON PIPE BOUNDARY		
BOB	BOTTOM OF BANK	JB	JUNCTION BOX		
BOT	BOTTOM	JT	JOINT		
BV	BALL VALVE	KSI	KIPS (1000 LBS.) PER SQUARE INCH		
CB	CATCH BASIN	L	LENGTH OR STRUCTURAL ANGLE DESIGNATION		
CC	CENTER TO CENTER	LAV	LAVATORY		
CCW	COUNTER CLOCKWISE	LB	POUND		
CF	CUBIC FOOT	LBS	POUNDS		
CFM	CUBIC FOOT PER MINUTE	LF	LINEAL FEET		
CFI	CUBIC FEET PER SECOND	LG	LONG		
CS	CAST IRON	LH	LEFT HAND		
CIGL	CAST IRON PIPE GLASS LINE	LL	LIVE LOAD		
CIP	CAST IRON PIPE	LLH	LONG LEG HORIZONTAL		
C.I.P.	CLEAN IN PLACE	LLV	LONG LEG VERTICAL		
CJ	CONSTRUCTION/CONTROL JOINT	LN DG	LANDING		
CL OR C	CENTER LINE	LOC	LOCATION/LOCATED		
CL2	CHLORINE	LONG	LONGITUDINAL		
CLR	CLEAR	LR	LONG RADIUS		
CM	CORRUGATED METAL PIPE	LSM	LOW STRENGTH MORTAR		
CMP	CLEAN OUT	LT	LIGHT		
COL	COLUMN	LWA	LOW WATER ALARM		
CONC	CONCRETE	LVL	LOW WATER LEVEL		
CONST	CONSTRUCTION	MATL	MATERIAL		
CONT	CONTINUOUS	MAX	MAXIMUM		
CORR	CORRUGATED	MBR	MEMBRANE BIO-REACTOR		
CU	COPPER	MC	MECHANICAL CONTRACTOR		
CV	CHECK VALVE	MCC	MOTOR CONTROL CENTER		
CW	COLD WATER (POTABLE)	MCJ	MASONRY CONTROL JOINT		
DEMO	DEMOLITION	MFD	MANUFACTURED		
DEPT	DEPARTMENT	MFR	MANUFACTURER		
DIA	DIAMETER	MGIL	MILLIGRAMS PER LITER		
DIM	DIMENSION	MGD	MILLION GALLONS PER DAY		
DIP	DUCTILE IRON PIPE	MH	MANHOLE		
DISCH	DISCHARGE	MIN	MINIMUM		
DN	DOWN	MISC	MISCELLANEOUS		
DNSPT	DOWNSPOUT	MJ	MECHANICAL JOINT		
DWG	DRAWING	MO	MOTOR OPERATED		
DWL	DOWEL	M.O.	MASONRY OPENING		
EA	EACH	MON	MONUMENT		
ECC	ECCENTRIC	MPH	MILES PER HOUR		
EC	ELECTRICAL CONTRACTOR	NaHSO3	SODIUM BISULFITE		
EF	EACH FACE	NaOCl	SODIUM HYPOCHLORITE		
EFF	EFFLUENT	NC	NORMALLY CLOSED		
EL	ELEVATION	NEC	NATIONAL ELECTRIC CODE		
ELEC	ELECTRIC (AL)	NO	NORMALLY OPEN		
EMERG	EMERGENCY	NOM	NOMINAL		
ENGR	ENGINEER	NPT	AMERICAN NATIONAL TAPER PIPE THREAD		
ENT	ENTERING	NTS	NOT TO SCALE		
EQ	EQUAL (LY)	N/F	NOW / AND OR FORMALLY		
ESMT	EASEMENT	OC	ON CENTER		
EST	ESTIMATE (D)	OD	OUTSIDE DIAMETER		
ETC	ETCETERA	OE	OVERHEAD ELECTRIC		
EW	EACH WAY	OF	OUTSIDE FACE		
EX	EXISTING	OH	OVER HEAD		
EXP	EXPANSION	OPNG	OPENING		
F	FAHRENHEIT	OPER	OPERATOR		
FB	FLOOR BOX	OPP	OPPOSITE		
FD	FLOOR DRAIN	OPT	OPTION (AL)		
FIG	FIGURE	OT	OVERHEAD TELEPHONE		
FIN	FINISH (ED)				
FL	FLOOR	PB	PUSHBUTTON		
FLEX	FLEXIBLE	PC	PLUMBING CONTRACTOR		
FLG	FLANGE (D)	PCF	POUND PER CUBIC FOOT		
FM	FORCE MAIN	PCCP	PRESTRESSED CONCRETE CYLINDER PIPE		
FPM	FEET PER MINUTE	PE	PLAIN END		
FPT	FEMALE PIPE THREAD	pH	HYDROGEN ION CONCENTRATION		
FRP	FIBERGLASS REINFORCED PLASTIC	PH	PHASE		
FT	FEET/FOOT	PI	POINT OF INTERSECTION		
FTG	FOOTING/FITTING	POT	POTABLE		
FURN	FURNISHED	PP	POWER POLE		

	NEW CONCRETE: ARCHITECTURAL, PROCESS & STRUCTURAL, PLANS AND SECTIONS ONLY		EXISTING CONCRETE, ARCHITECTURAL, PROCESS OR STRUCTURAL SECTIONS ONLY		NEW AGGREGATE
	REINFORCING STEEL IN NEW CONCRETE STRUCTURES, PLANS & SECTIONS		STEEL		EXISTING AGGREGATE
	CONCRETE TOPPING OR FILLET		ALUMINUM		NEW CONC.
	CONCRETE BLOCK NEW		INSULATION		EXISTING CONC.
	BRICK MASONRY		EXISTING EQUIPMENT, PIPING OR STRUCTURE TO BE REMOVED OR ABANDONED		NEW ASPHALT CONCRETE
	TILE-STRUCTURAL, GLAZED		EXISTING CONCRETE OR MASONRY		EXISTING ASPHALT CONCRETE
	WOOD		STONE OR COMPACTED AGGREGATE		
	SAND		ACOUSTICAL CONCRETE BLOCK		

	DEMOLITION
	CENTERLINE
	EXISTING PROPERTY LINE
	EXISTING RIGHT-OF-WAY LINE
	EXISTING WATER LINE
	EXISTING OVERHEAD ELECTRIC
	EXISTING UNDERGROUND ELECTRIC
	EXISTING UNDERGROUND TELEPHONE
	EXISTING GAS LINE
	EXISTING OVERHEAD TELEPHONE
	EXISTING STORM LINE
	EXISTING FENCE
	EXISTING GRADE CONTOURS-INDEX
	EXISTING GRADE CONTOURS-INTERMEDIATE

-  **DECIDUOUS TREE**
-  **IRON PIN FOUND**
-  **GUY WIRE**
-  **LIGHT POLE**
-  **UTILITY POLE**

The diagram shows two identical sheets of paper. Each sheet has a circular area in the center. Inside the circle, there is an 'X' at the top and four hash marks (####) below it. Above each sheet, there is a label 'SECTION IDENTIFICATION LETTER OR NUMBER' with an arrow pointing to the top of the sheet. Below each sheet, there is a label 'SHEET ON WHICH SECTION APPEARS' with an arrow pointing to the bottom of the sheet.

DETAIL

SCALE: 3/8"=1'-0"

1

####

DETAIL IDENTIFICATION LETTER OR NUMBER

DETAIL SHEET LOCATION NUMBER

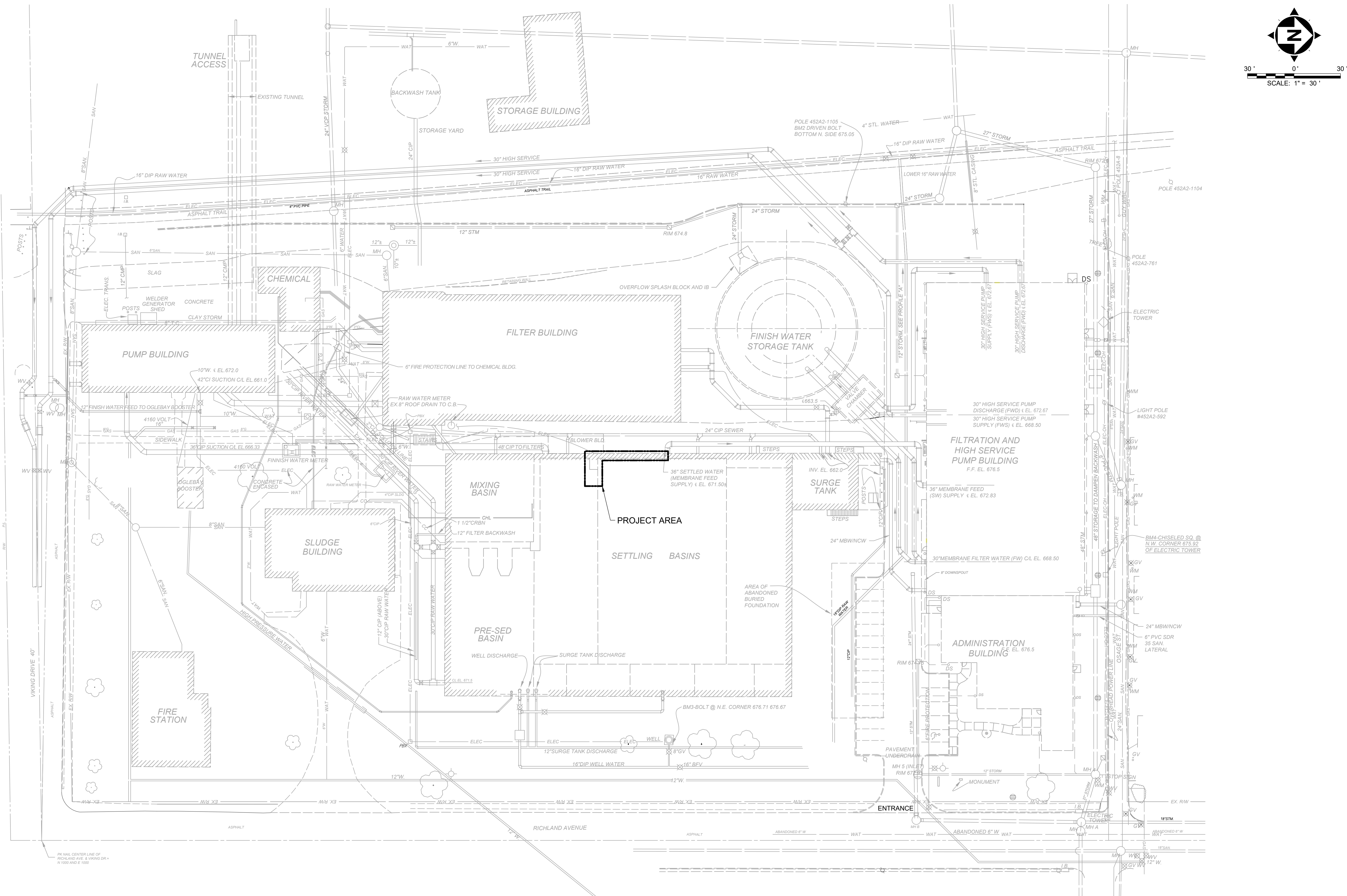
DISCIPLINE INFORMATION	
IDENTIFIER:	DISCIPLINE:
G	GENERAL
D	PROCESS
C	CIVIL
A	BUILDING
S	STRUCTURAL
M	MECHANICAL
E	ELECTRICAL
I	INSTRUMENTATION

SCALE: 3/8"=1'-0"

ISSUED FOR:		REVISIONS	
BID	DESCRIPTION	REV.	DATE
ISSUE DATE:			
07/22/2025			
SCALE:	AS NOTED		
DESIGNED BY:	MIS		
DRAWN BY:	RE		
CHECKED BY:	MIS		

WHEELING, WEST VIRGINIA
GENERAL - 00 SERIAS
ABBREVIATION AND INDEX

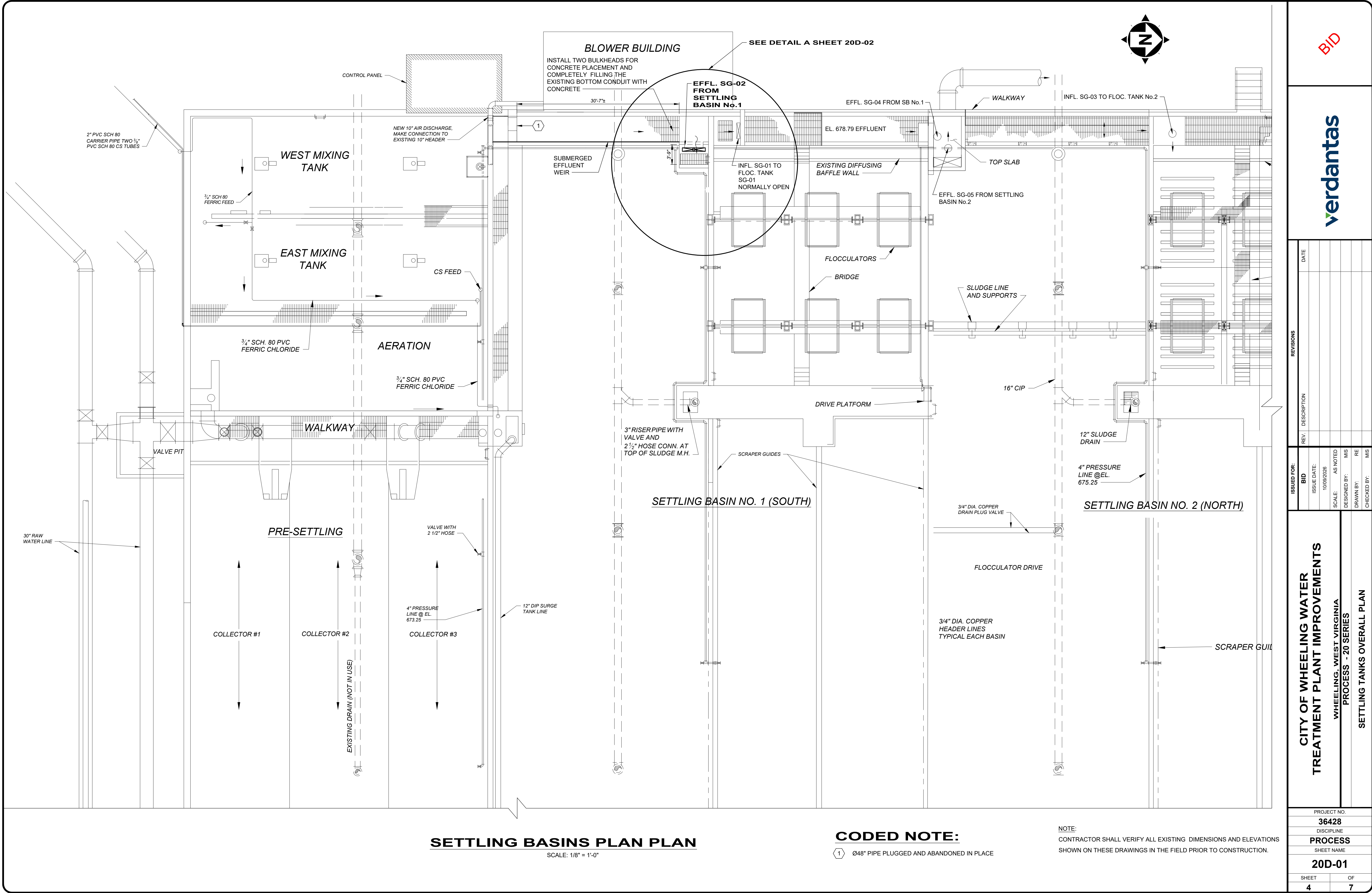
SHEET	OF
2	7

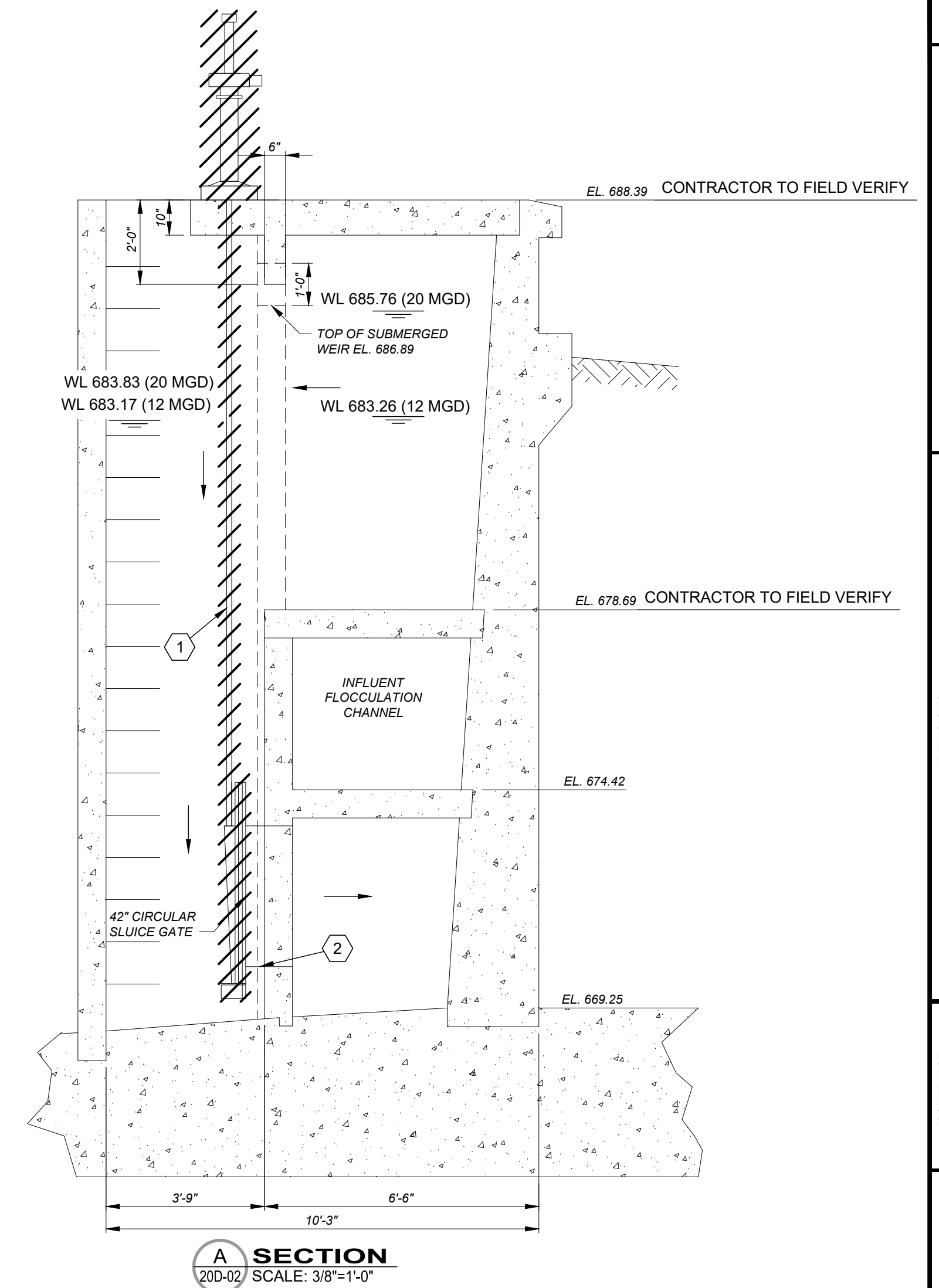


BID

ISSUED FOR:	REVISIONS		
	REV.	DESCRIPTION	DATE
BID			
ISSUE DATE:			
SCALE:			
DESIGNED BY:			
DRAWN BY:			
CHECKED BY:			

PROJECT NO.	
36428	
DISCIPLINE	
CIVIL	
SHEET NAME	
01C-01	
SHEET	OF
3	7



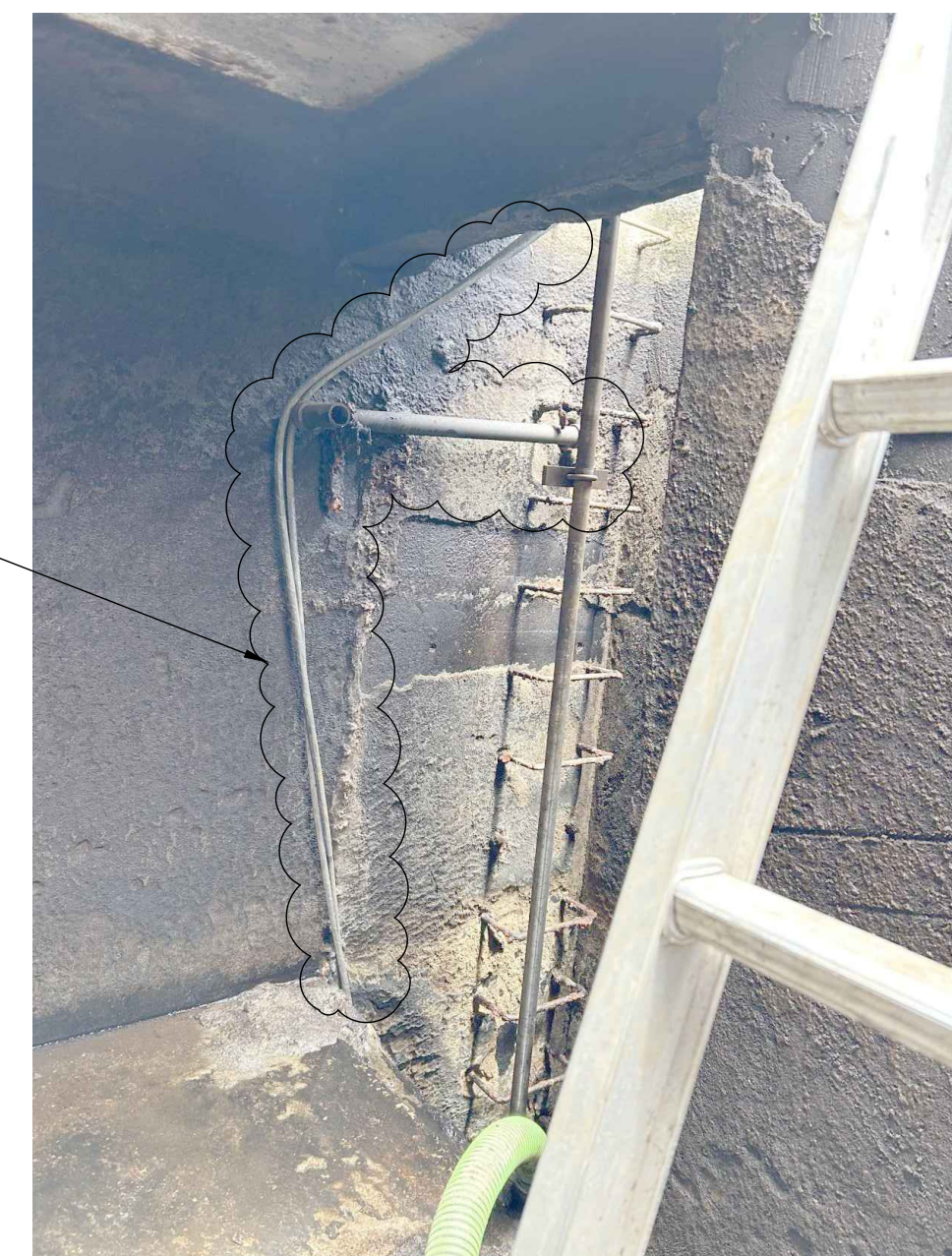


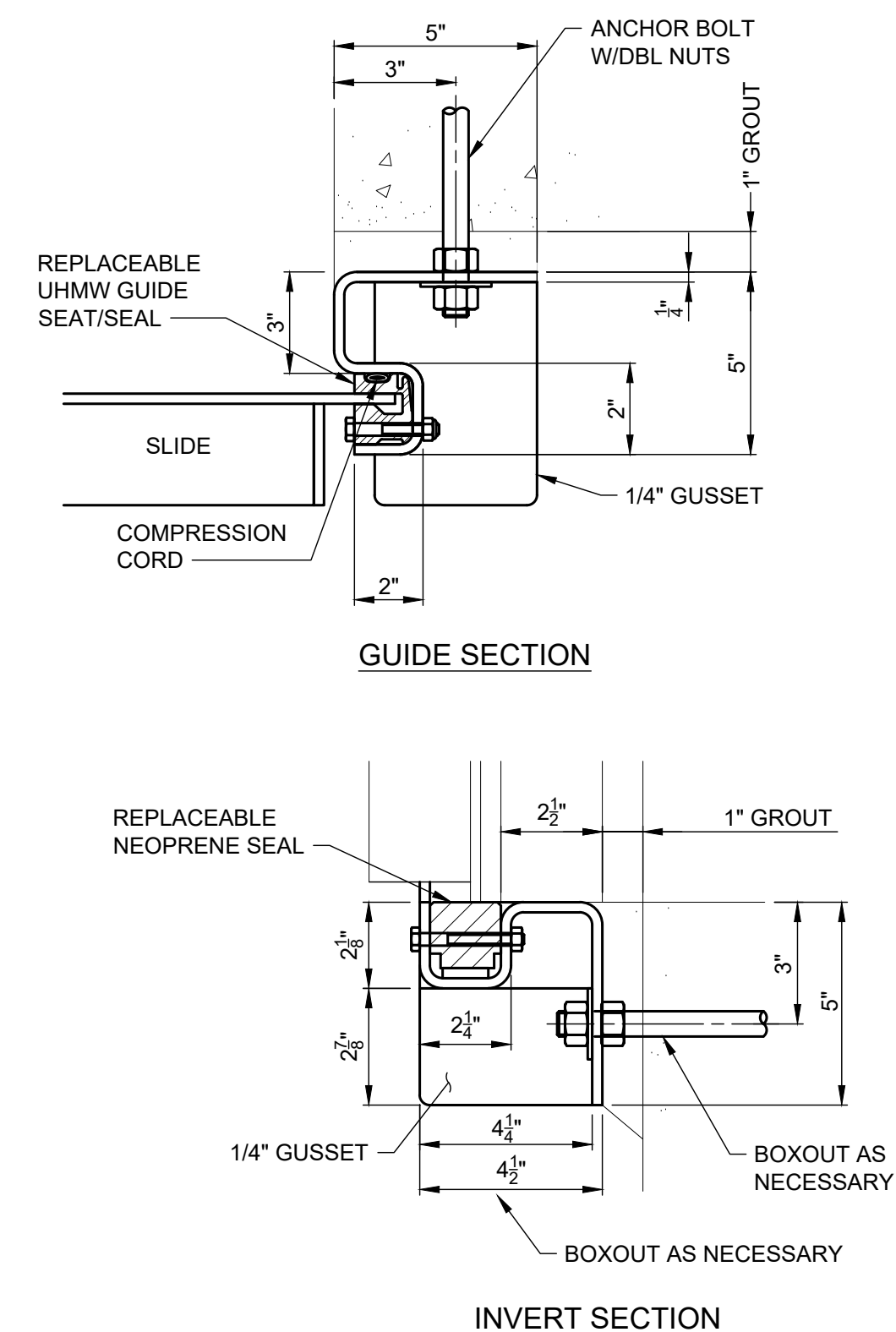
1. REMOVE THE EXISTING EFFLUENT 42" SLUICE GATE (GATE-02), INCLUDING BUT NOT LIMITED TO THE STEM, FRAME, POST, PEDESTAL AND ASSOCIATED COMPONENTS. THE PEDESTAL SHALL BE RETURNED BACK TO THE PLANT OPERATIONS. THE CONTRACTOR SHALL REPAIR ANY CONCRETE DAMAGED DURING DEMOLITION.
2. THE EXISTING WALL PIPE TO REMAIN.

1. ALL ELEVATIONS SHOWN ARE BASED ON EXISTING DRAWING DATED 1977 AND 2013. THE CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS AND DIMENSIONS.
2. WATER LEVEL ELEVATIONS WERE OBTAINED FROM THE HYDRAULIC PROFILE DRAWING PLANS 2013.
3. DEMOLITION OF THE EXISTING SLUICE GATE SHALL COMMENCE ONLY AFTER INSTALLATION OF THE NEW SLIDE GATE HAS BEEN COMPLETED.
4. THE CONTRACTOR SHALL NOTE THAT THE CITY OF WHEELING WTP MUST REMAIN IN OPERATION AT ALL TIMES UNLESS OUTAGES ARE APPROVED BY THE OWNER. ANY PLANT SHUTDOWNS SHALL BE MINIMAL AND IMPLEMENTED ONLY AFTER COORDINATION WITH THE OWNER.
5. COORDINATE THE DEMOLITION OF THE EXISTING EFFLUENT SLUICE GATE NO. 2 WITH THE OWNER. IF A PLANT SHUTDOWN IS NECESSARY, IT SHALL NOT EXCEED 8 HOURS, AND MUST BE SCHEDULED AT LEAST 48 HOURS IN ADVANCED.
6. THE CONTRACTOR SHALL REPAIR ANY DAMAGES THAT OCCURS DURING DEMOLITION OF THE EXISTING SLUICE GATE.



REMOVE ABANDONED CHEMICAL
FEED PIPING, CUT AND PLUG
WITH NON-SHRINK
NON-METALLIC GROUT _____





SLIDE GATE SCHEDULE													
DRAWING REF	MARK	LOCATION	MAT'L	OPENING NOMINAL		OPENING DIRECTION	NORMAL POSITION	TYPE OF FRAME		OPERATOR		HEAD, FT	
				DIMENSIONS (IN)					TYPE	CONTROL	ACTUATOR	SITTING	UN SITTING
				WIDTH	HEIGHT								
20D-03	SG-01A	SETTLING BASIN No. 1 EFFLUENT CHANNEL	STAINLESS STEEL	66	42	UPWARD	NORMALLY OPEN	FACE	ISOLATION GATE	MANUAL	CRANK WITH GEAR	8'-1"	5'-1"

ISSUED FOR:		REVISIONS	
BID	REV.	DESCRIPTION	DATE
ISSUE DATE:			
10/09/2028			
SCALE: AS NOTED			
DESIGNED BY: MIS			
DRAWN BY: RE			
CHECKED BY: MIS			

CITY OF WHEELING WATER TREATMENT PLANT IMPROVEMENTS

WHEELING, WEST VIRGINIA
GENERAL - 00 SERIAS

NEW SLIDE GATE DETAILS

PROJECT NO.	
36428	
DISCIPLINE	
PROCESS	
SHEET NAME	
20D-04	
SHEET	OF
7	7