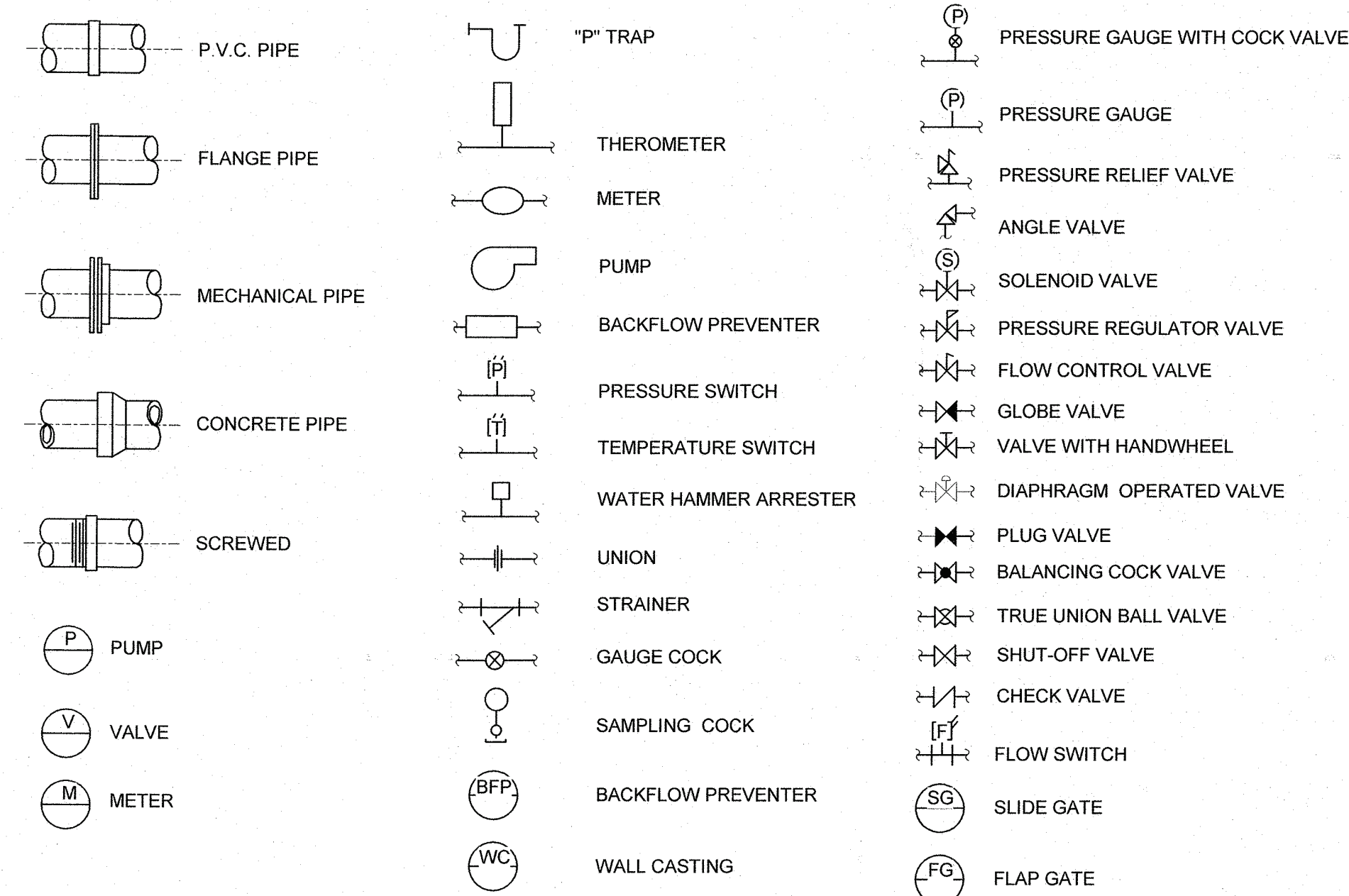


LEGEND AND SYMBOLS




ABBREVIATIONS

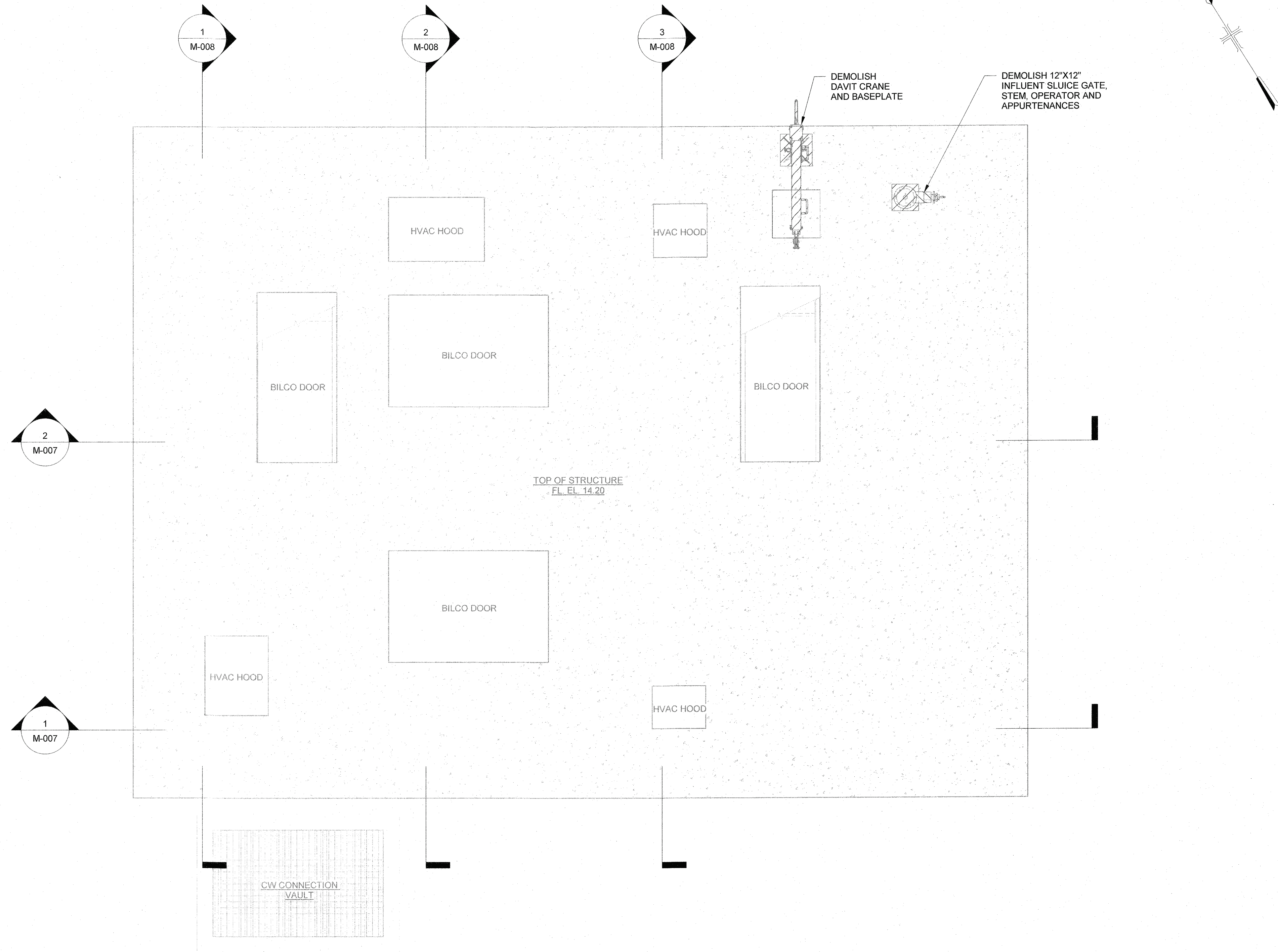
'	FOOT
"	INCH
¢	CENTERLINE
°	DEGREE
BF	BLIND FLANGE
CON.	CONCENTRIC
CW	CITY WATER
DN	DOWN
DWG	DRAWING
ECC.	ECCENTRIC
ELEV.	ELEVATION
EQ.	EQUAL / EQUALIZING
EXIST.	EXISTING
FL	FLOOR
FLGD	FLANGED
FTG	FOOTING
LR	LONG RADIUS
RED.	REDUCED / REDUCING
SPD	SUMP PUMP DISCHARGE
SS	SANITARY SEWER
Typ	TYPICAL
W	WITH
WW	WASTEWATER
WWD	WASTEWATER DISCHARGE
WWS	WASTEWATER SUCCTION

GENERAL NOTES:

1. ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN DATUM OF 1988 (NAVD88).
2. ALL ELEVATIONS ARE TO BE FIELD VERIFIED PRIOR TO FURNISHING EQUIPMENT.
3. ALL DIMENSIONS INDICATED ARE TO BE FIELD VERIFIED EITHER BY FIELD MEASUREMENTS FOR EXISTING STRUCTURES AND UTILITIES OR BY SHOP DRAWINGS FOR EQUIPMENT FURNISHED.
4. IF A CONFLICT IS FOUND BETWEEN DIFFERENT PORTIONS OF THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. CONTINUED CONSTRUCTION OF THE AREAS IN CONFLICT SHALL BE AT THE CONTRACTOR'S OWN RISK UNTIL THE CONFLICT IS RESOLVED BY THE OWNER.
5. WHERE CONNECTIONS TO OR MODIFICATIONS OF EXISTING PIPING ARE SHOWN, EXISTING PIPING IS ASSUMED TO BE IN GOOD CONDITION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONNECTIONS AND REPORT UNSOUND CONDITIONS TO THE ENGINEER.
6. PIPE SUPPORTS NOT SHOWN FOR CLARITY. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL PIPE SUPPORTS AS REQUIRED TO ADEQUATELY SUPPORT PIPES PER SPECIFICATIONS AND STANDARDS.
7. SYMBOLS ARE SHOWN FOR GENERAL REFERENCE ONLY. THE PRESENCE OF A SYMBOL ON THE LEGEND DOES NOT IMPLY ITS USE ON THIS PROJECT. REFER TO DRAWINGS FOR SPECIFIC SYMBOLS USED.
8. ABBREVIATIONS ARE LISTED FOR GENERAL REFERENCE ONLY. THE PRESENCE OF AN ABBREVIATION ON THE LIST DOES NOT IMPLY ITS USE ON THIS PROJECT. REFER TO DRAWINGS FOR SPECIFIC SYMBOLS USED.

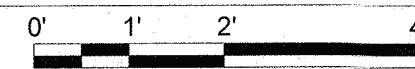
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CHECKED BY C. CATCHPOLE
MADE BY A. CHAMBERS

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SHEET NO. 44 OF 103												
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DPW FILE NO. 205-03-M-85-0												
REHABILITATION OF WEAVER STREET PUMPING STATION MAMARONECK VALLEY SANITARY SEWER DISTRICT MECHANICAL GENERAL NOTES, LEGEND, SYMBOLS AND ABBREVIATIONS				REV. NO.								



TOP OF STRUCTURE - DEMOLITION PLAN AT EL. 14.20

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

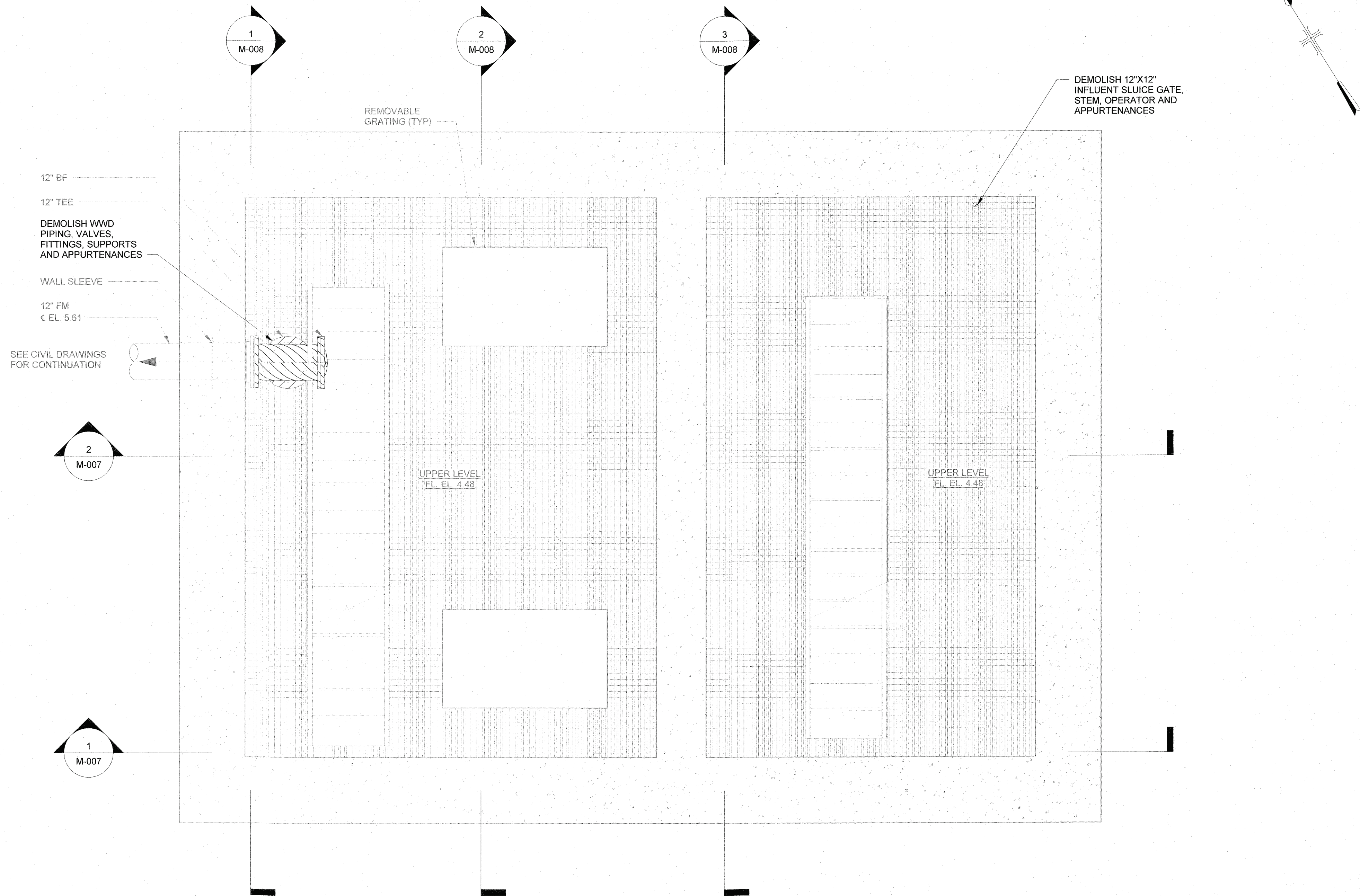


NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING INFORMATION IN THE FIELD AS REQUIRED FOR DEMOLITION WORK.
2. FOR EQUIPMENT SHOWN TO BE DEMOLISHED, CONTRACTOR SHALL REMOVE ALL ASSOCIATED CONDUIT, WIRING, INSTRUMENTS, LOCAL CONTROL STATIONS, REMOTELY MOUNTED AUXILIARY DEVICES AND APPURTENANCES.
3. EQUIPMENT SHOWN TO BE DEMOLISHED AND REMOVED SHALL BE DECOMMISSIONED, DE-ENERGIZED, AND SAFED - OFF PRIOR TO THE START OF DEMOLITION WORK.
4. FOR PIPING SHOWN TO BE DEMOLISHED, CONTRACTOR SHALL REMOVE ALL ASSOCIATED PIPING SUPPORTS AND ACCESSORIES.
5. ITEMS SHOWN NOT TO BE DEMOLISHED SHALL BE PROTECTED OR RELOCATED PRIOR TO THE START OF DEMOLITION WORK.

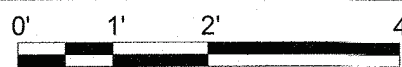
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MADE BY A. CHAMBERS

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TOP OF STRUCTURE DEMOLITION PLAN				SCALE: 1/2" = 1'-0" DATE: APRIL 2023 DPW FILE NO. 205-03-M-86-0 REV. NO. _____																															



UPPER LEVEL - DEMOLITION PLAN AT EL. 4.48

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



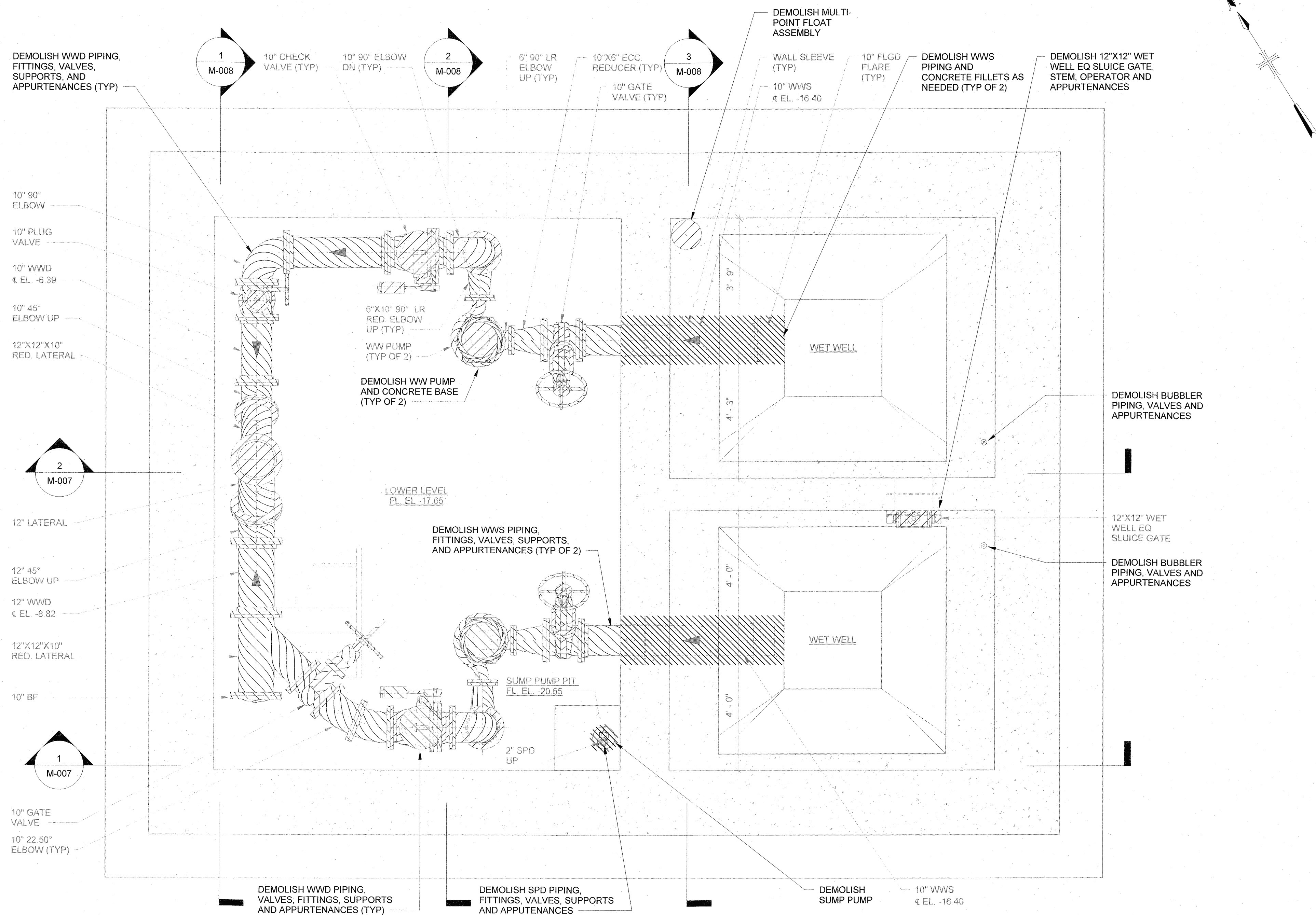
NOTES:

- FOR EQUIPMENT SHOWN TO BE DEMOLISHED, CONTRACTOR SHALL REMOVE ALL ASSOCIATED CONDUIT, WIRING, INSTRUMENTS, LOCAL CONTROL STATIONS, REMOTELY MOUNTED AUXILIARY DEVICES AND APPURTENANCES.
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IN CHARGE OF D. PAPASTATHIS
CHECKED BY C. CATCHPOLE
MADE BY A. CHAMBERS

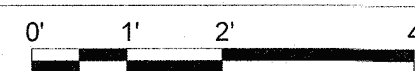
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DEMOLITION PLAN				205-03-M-87-0																															





LOWER LEVEL - DEMOLITION PLAN AT EL. -17.65

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

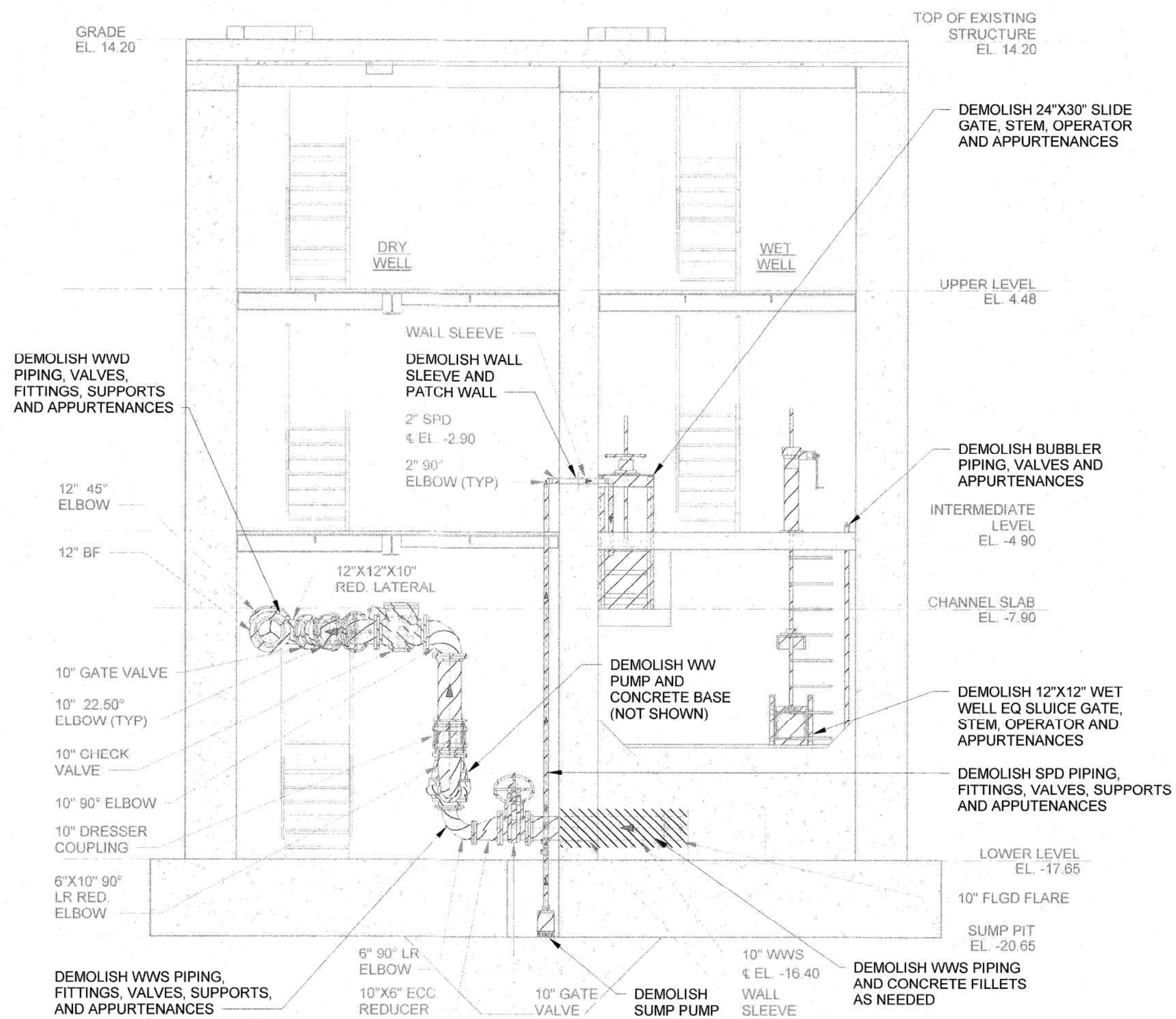


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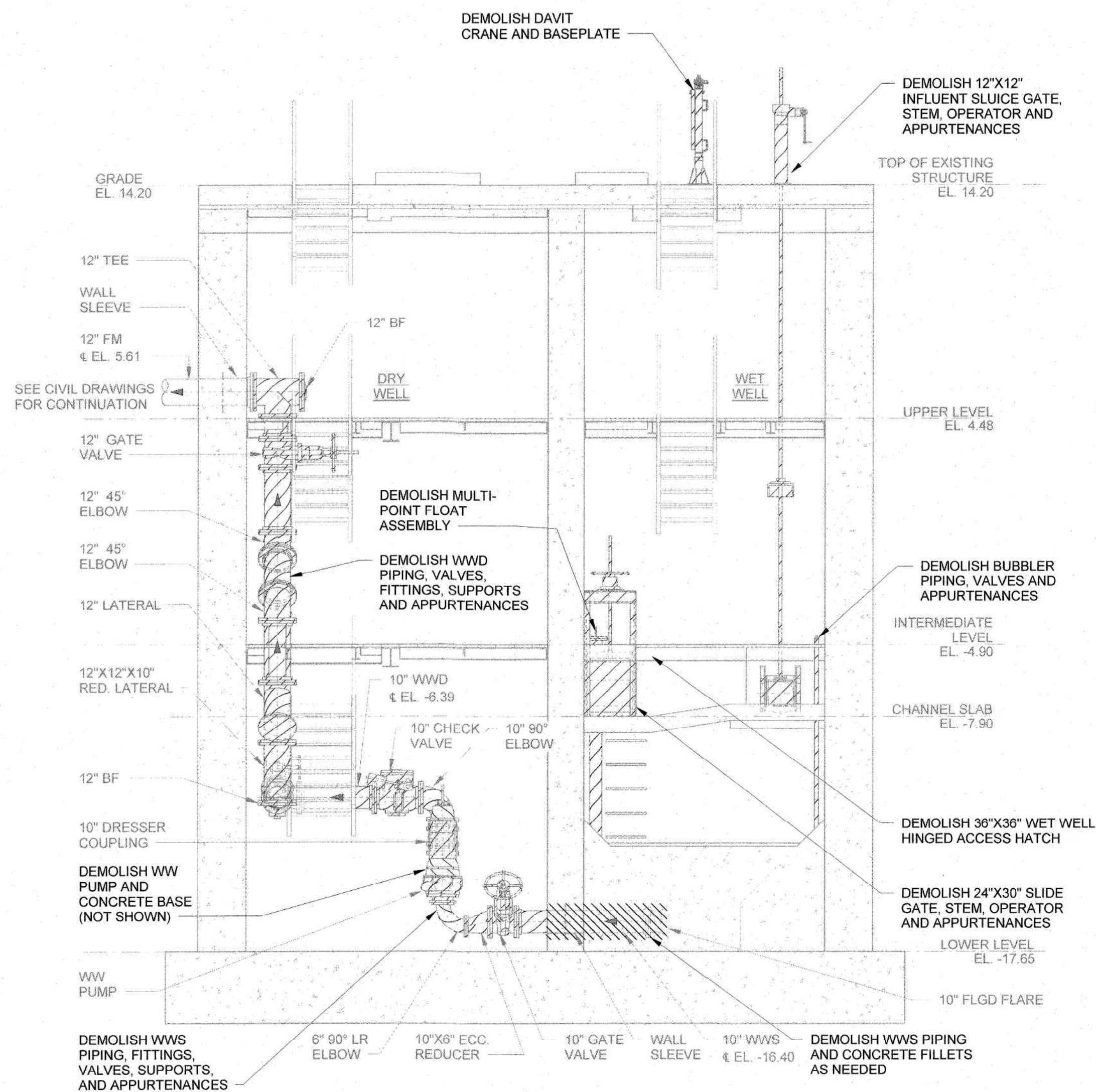
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IN CHARGE OF D. PAPASTATHIS
CHECKED BY C. CATCHPOLE
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DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION					SHEET NO. 49 OF 103				
DIVISION OF ENGINEERING					SCALE: 1/2" = 1'-0"				
REHABILITATION OF WEAVER STREET PUMPING STATION					DATE: APRIL 2023				
MAMARONECK VALLEY SANITARY SEWER DISTRICT					DPW FILE NO.				
LOWER LEVEL					REV. NO.				
DEMOLITION PLAN					205-03-M-90-0				



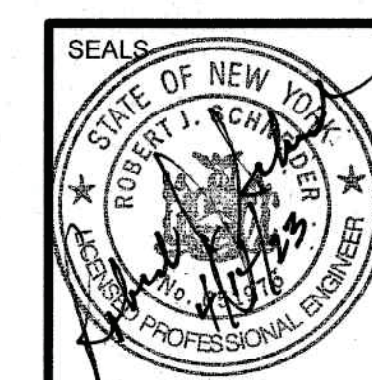
1 SECTION
M-002 SCALE: 1/4" = 1'-0"



2 SECTION
M-002 SCALE: 1/4" = 1'-0"

NOTES:

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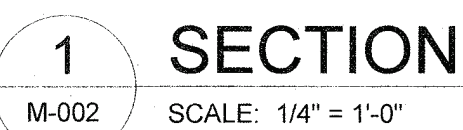
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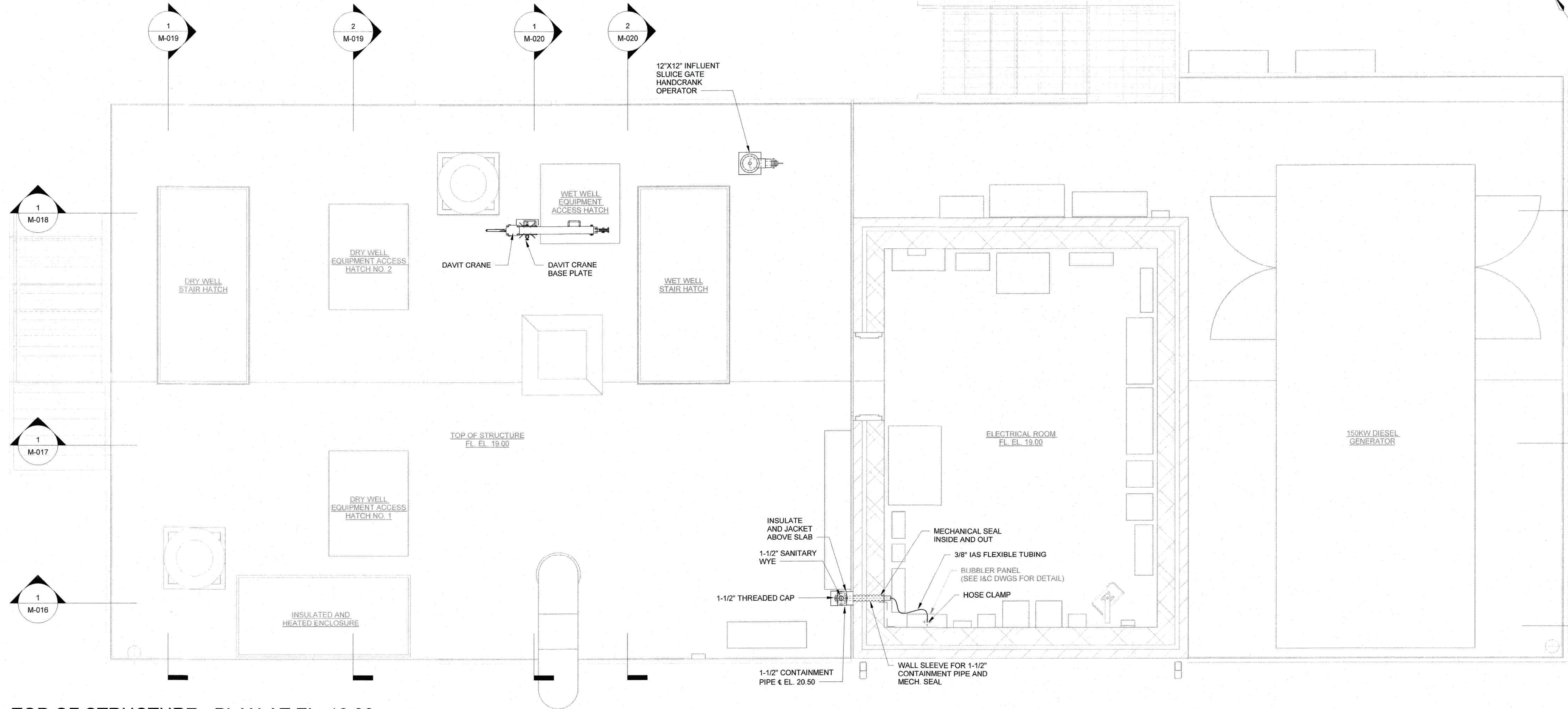
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REHABILITATION OF WEAVER STREET PUMPING STATION MAMARONECK VALLEY SANITARY SEWER DISTRICT DEMOLITION SECTIONS SHEET 1		SCALE: 1/4" = 1'-0" DATE: APRIL 2023 DPW FILE NO.	SHEET NO. 50 OF 103 205-03-M-91-0 REV. NO.

IN CHARGE OF D. PAPASTATHIS
 CHECKED BY C. CATCHPOLE
 MADE BY A. CHAMBERS



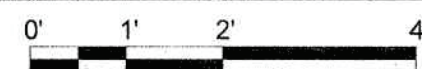
- IN CHARGE OF D. PAPASTATHIS
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REHABILITATION OF WEAVER STREET PUMPING STATION MAMARONECK VALLEY SANITARY SEWER DISTRICT DEMOLITION SECTIONS SHEET 2		SHEET NO. 51 OF 103			
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TOP OF STRUCTURE - PLAN AT EL. 19.00

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

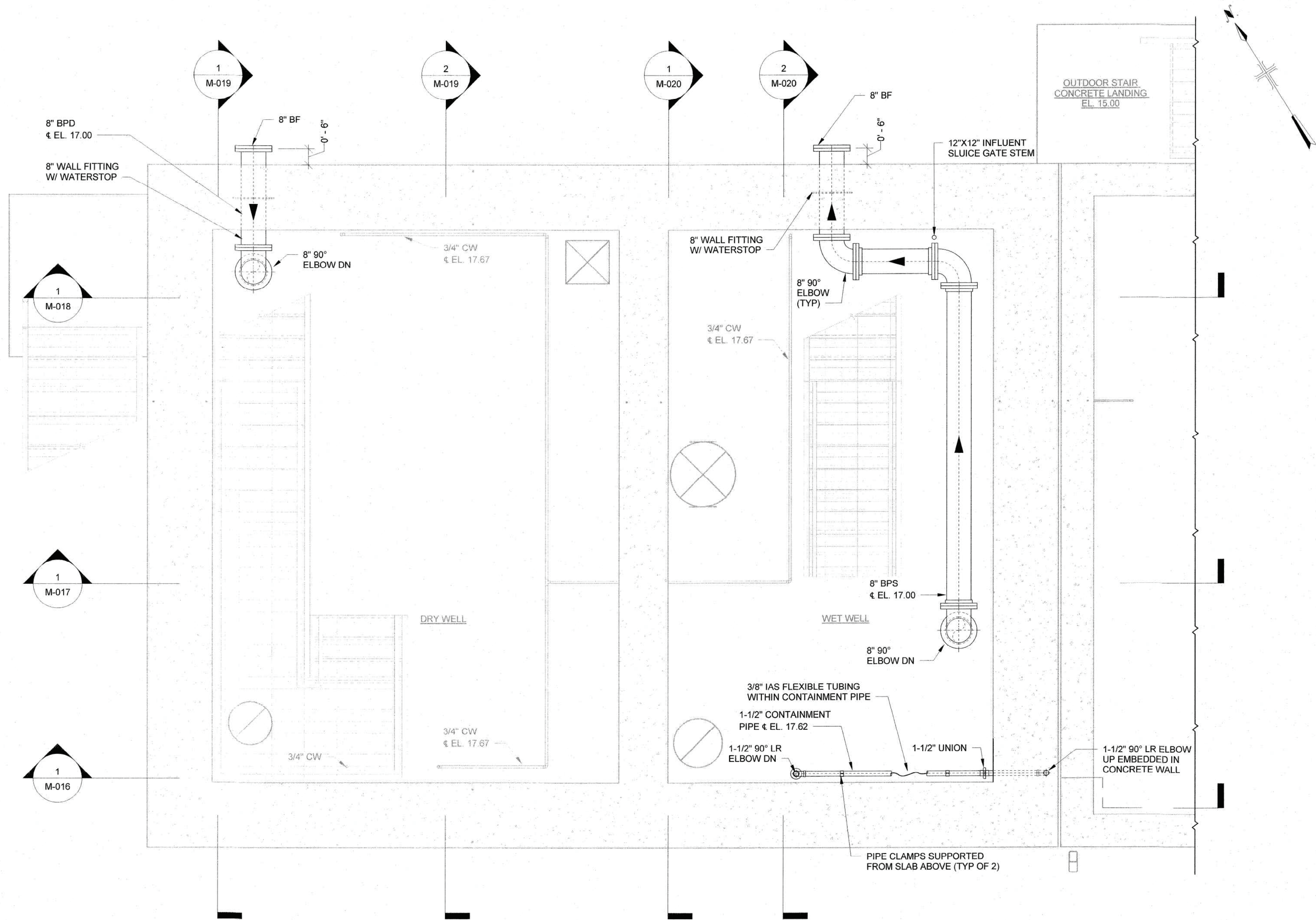


NOTE:

1. CONTRACTOR SHALL FIELD ROUTE IAS TO SUIT. LOCATION SHOWN IS TO PROVIDE A GENERAL ROUTING. CONTRACTOR SHALL ADJUST LOCATION AND ELEVATION TO AVOID INTERFERENCE WITH OTHER UTILITIES AND STRUCTURAL ELEMENTS AS NEEDED.

IN CHARGE OF D. PAPASTATHIS
CHECKED BY C. CATCHPOLE
MADE BY A. CHAMBERS

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UPPER LEVEL - PARTIAL PLAN AT EL. 14.20

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

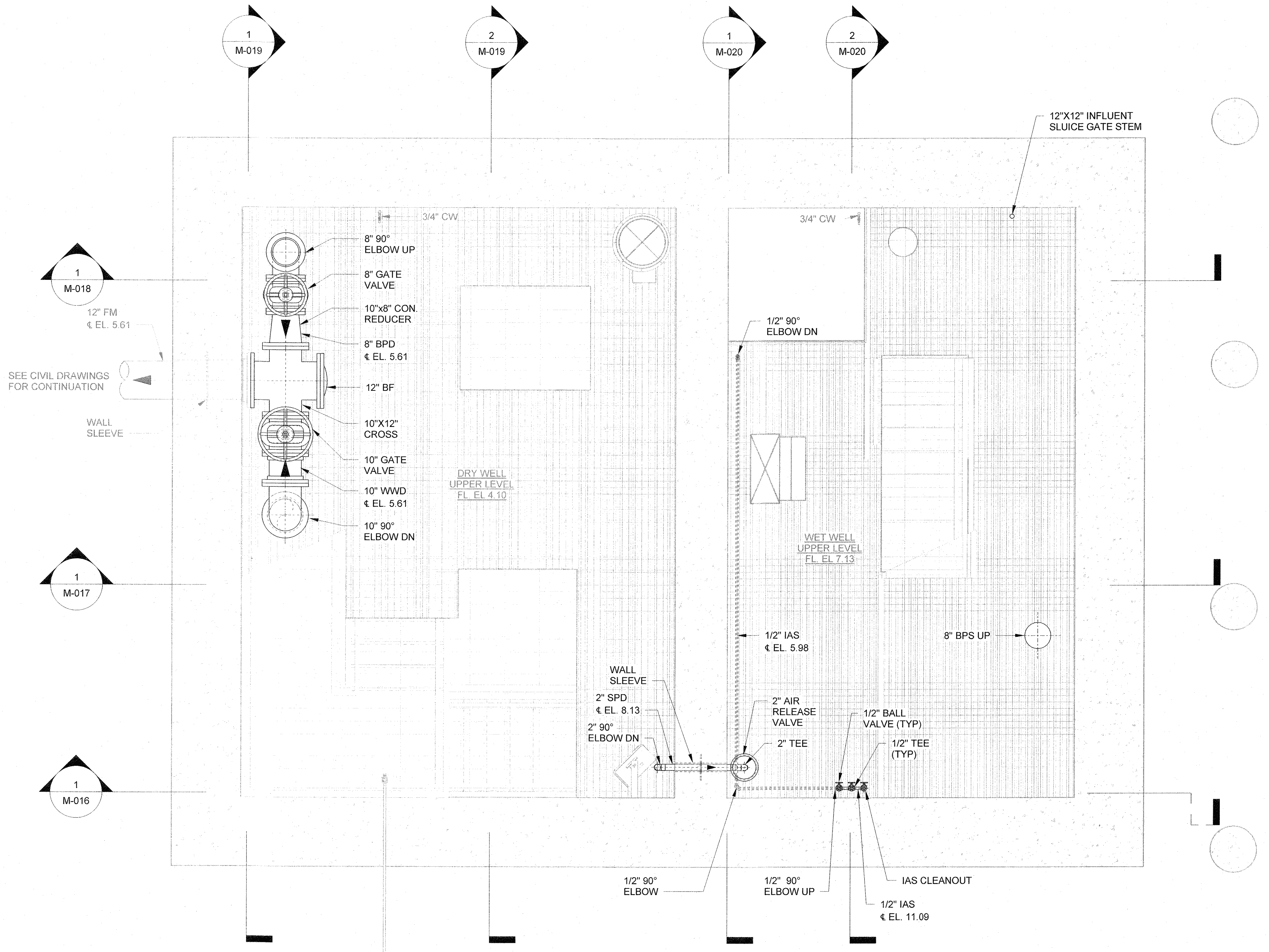


NOTE:

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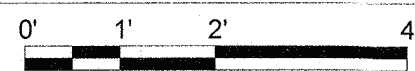
IN CHARGE OF D. PAPASTATHIS
CHECKED BY C. CATCHPOLE
MADE BY A. CHAMBERS

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UPPER LEVEL - PLAN AT EL. 4.48

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

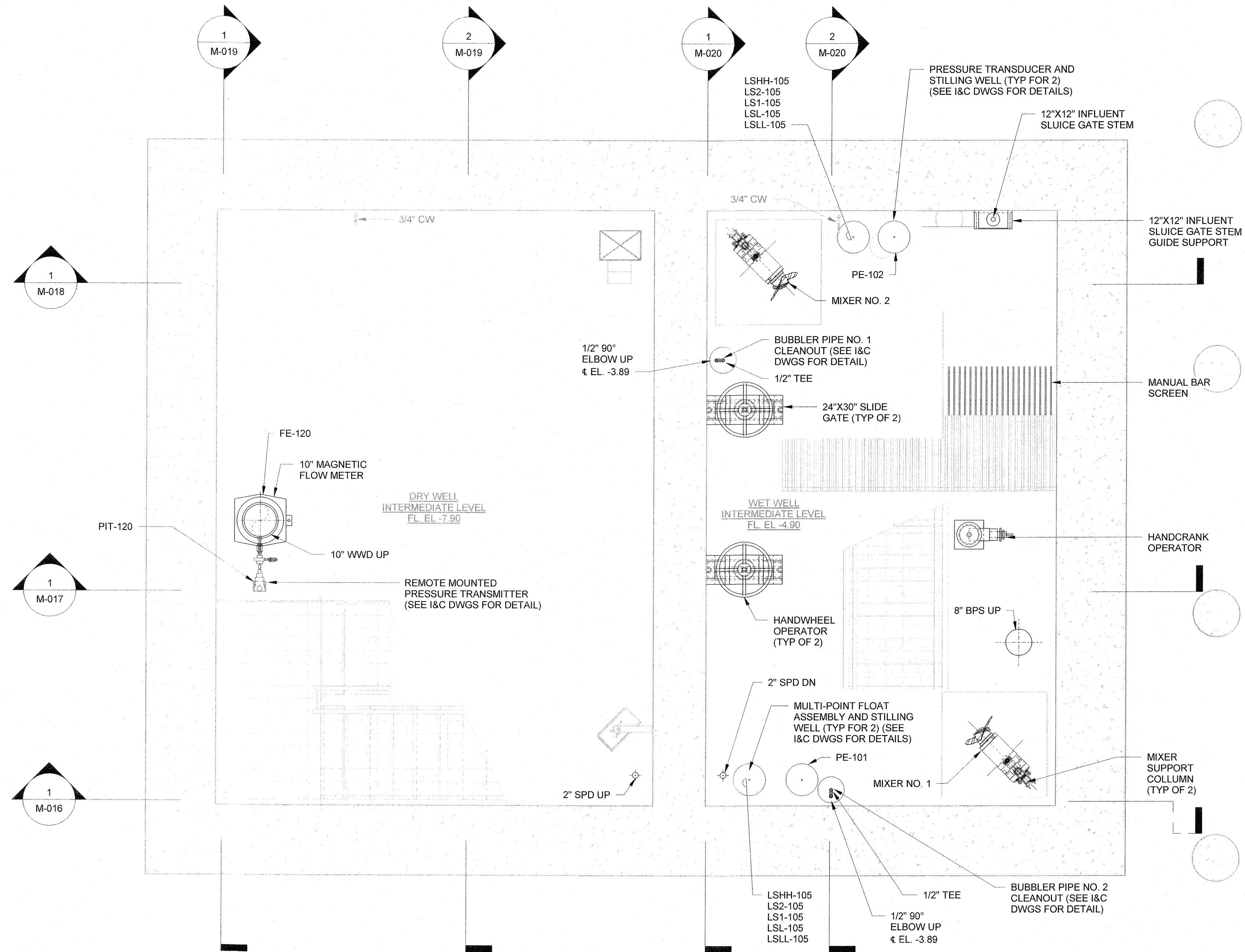


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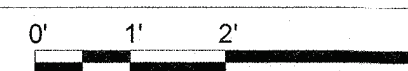
IN CHARGE OF D. PAPASTATHIS
CHECKED BY C. CATCHPOLE
MADE BY A. CHAMBERS

				<small>WARNING - IT IS A VIOLATION OF NEW YORK EDUCATION LAW, SECTION 7209.2, FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK LAW, SECTION 7209.2.</small>	
		<small>COPYRIGHT: 2021</small>		ARCADIS PROJECT NO. 30108362	
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	
RECORD DRAWING CERTIFICATION					
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WESTCHESTER COUNTY, NEW YORK				CONTRACT NUMBER	SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION				22-526	M-011
DIVISION OF ENGINEERING				SHEET NO. 54 OF 103	
REHABILITATION OF WEAVER STREET PUMPING STATION				SCALE: 1/2" = 1'-0"	
MAMARONECK VALLEY SANITARY SEWER DISTRICT				DATE: APRIL 2023	
UPPER LEVEL				DPW FILE NO.	REV. NO.
PLAN AT EL. 4.48				205-03-M-95-0	



INTERMEDIATE LEVEL - PLAN AT EL. -4.90

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

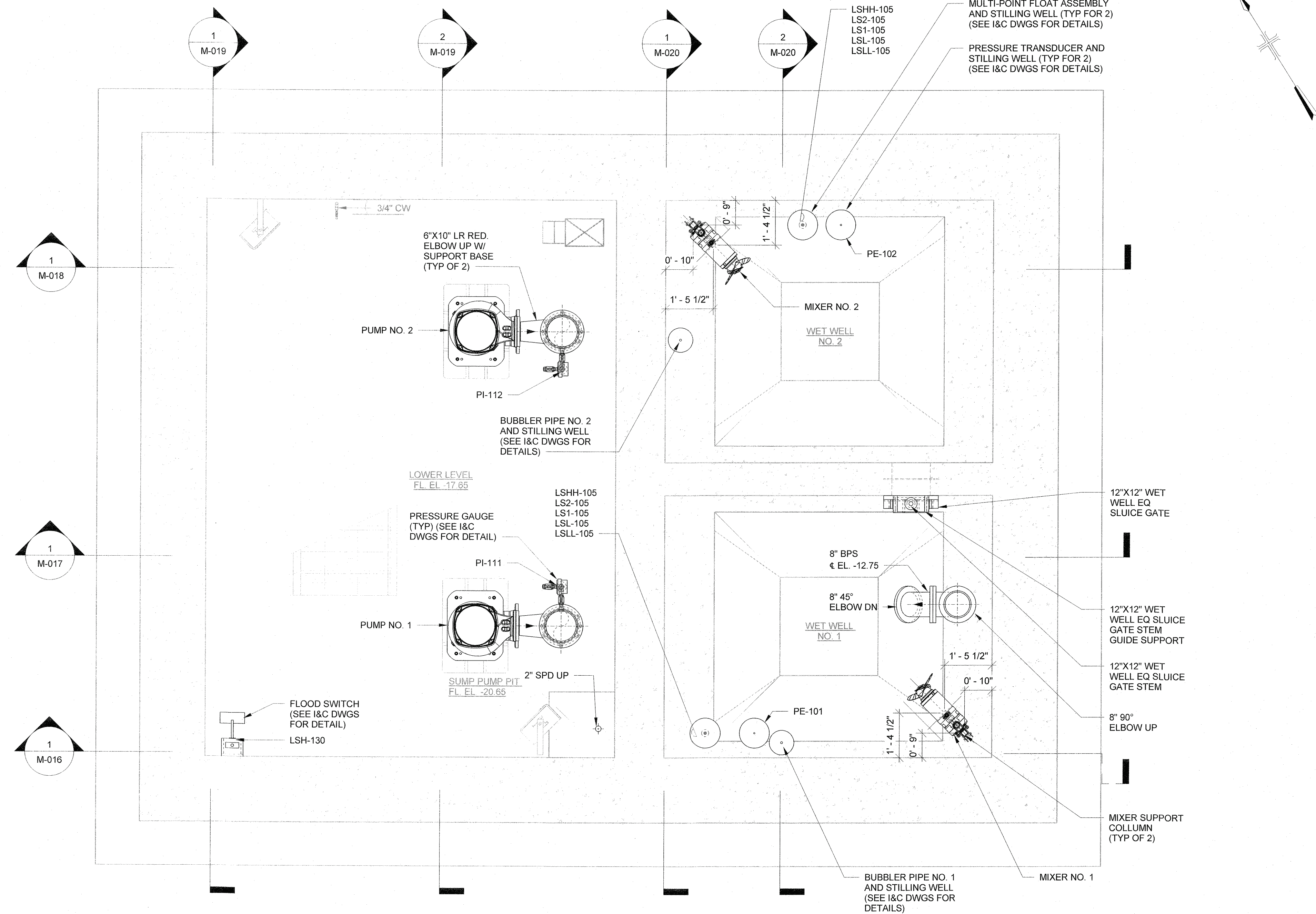


NOTE:

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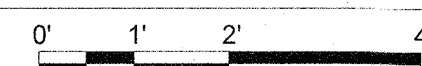
IN CHARGE OF D. PAPASTATHIS
CHECKED BY C. CATCHPOLE
MADE BY A. CHAMBERS

				<small>LEGAL ENTITY: ARCADIS OF NEW YORK, INC.</small>		<small>WARNING - IT IS A VIOLATION OF NEW YORK EDUCATION LAW, SECTION 7209.2, FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK LAW, SECTION 7209.2.</small>																					
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WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 22-526		SHEET NUMBER M-012																					
				SHEET NO. 55 OF 103																							
REHABILITATION OF WEAVER STREET PUMPING STATION MAMARONECK VALLEY SANITARY SEWER DISTRICT				SCALE: 1/2" = 1'-0" DATE: APRIL 2023																							
INTERMEDIATE LEVEL PLAN AT EL. -6.50				DPW FILE NO. 205-03-M-96-0		REV. NO.																					



LOWER LEVEL - PLAN AT EL. -15.62

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

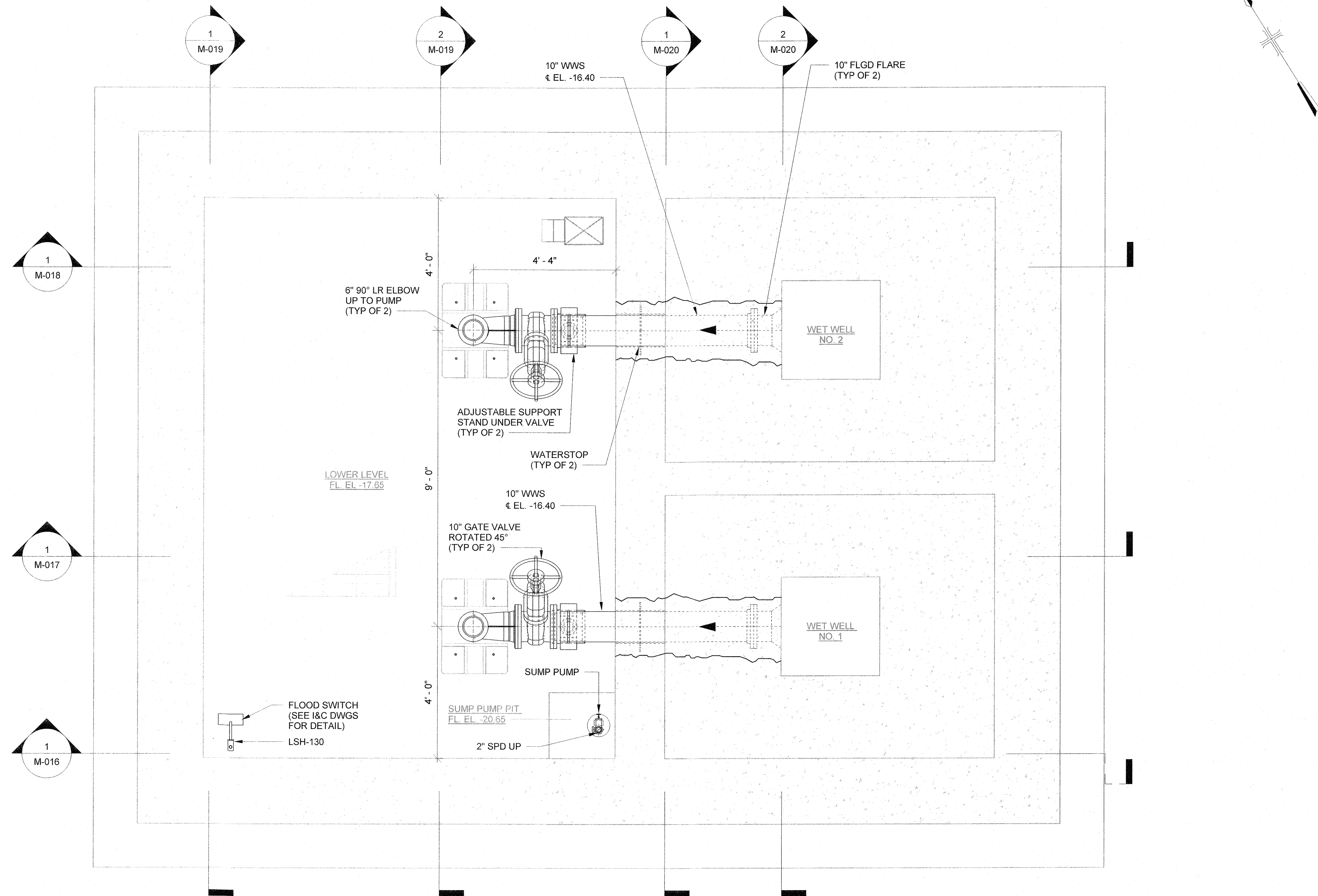


NOTE

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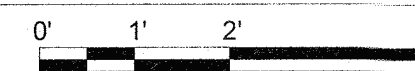
IN CHARGE OF D. PAPASTATHIS
CHECKED BY C. CATCHPOLE
MADE BY A. CHAMBERS

SEALS		<p>LEGAL ENTITY ARCADIS OF NEW YORK, INC.</p> <p>COPYRIGHT: 2021</p> <p>ARCADIS PROJECT NO. 30108362</p>		<p>WARNING - IT IS A VIOLATION OF NEW YORK EDUCATION LAW, SECTION 7209.2, FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK LAW, SECTION 7209.2</p>																									
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CONTRACT NUMBER 22-526		SHEET NUMBER M-014		SHEET NO. 57 OF 103																									
REHABILITATION OF WEAVER STREET PUMPING STATION MAMARONECK VALLEY SANITARY SEWER DISTRICT LOWER LEVEL PLAN AT EL. -15.62																													
SCALE: 1/2" = 1'-0"		DATE: APRIL 2023		REV. NO.																									
DPW FILE NO.		205-03-M-98-0																											



LOWER LEVEL - PLAN AT EL. -17.65

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



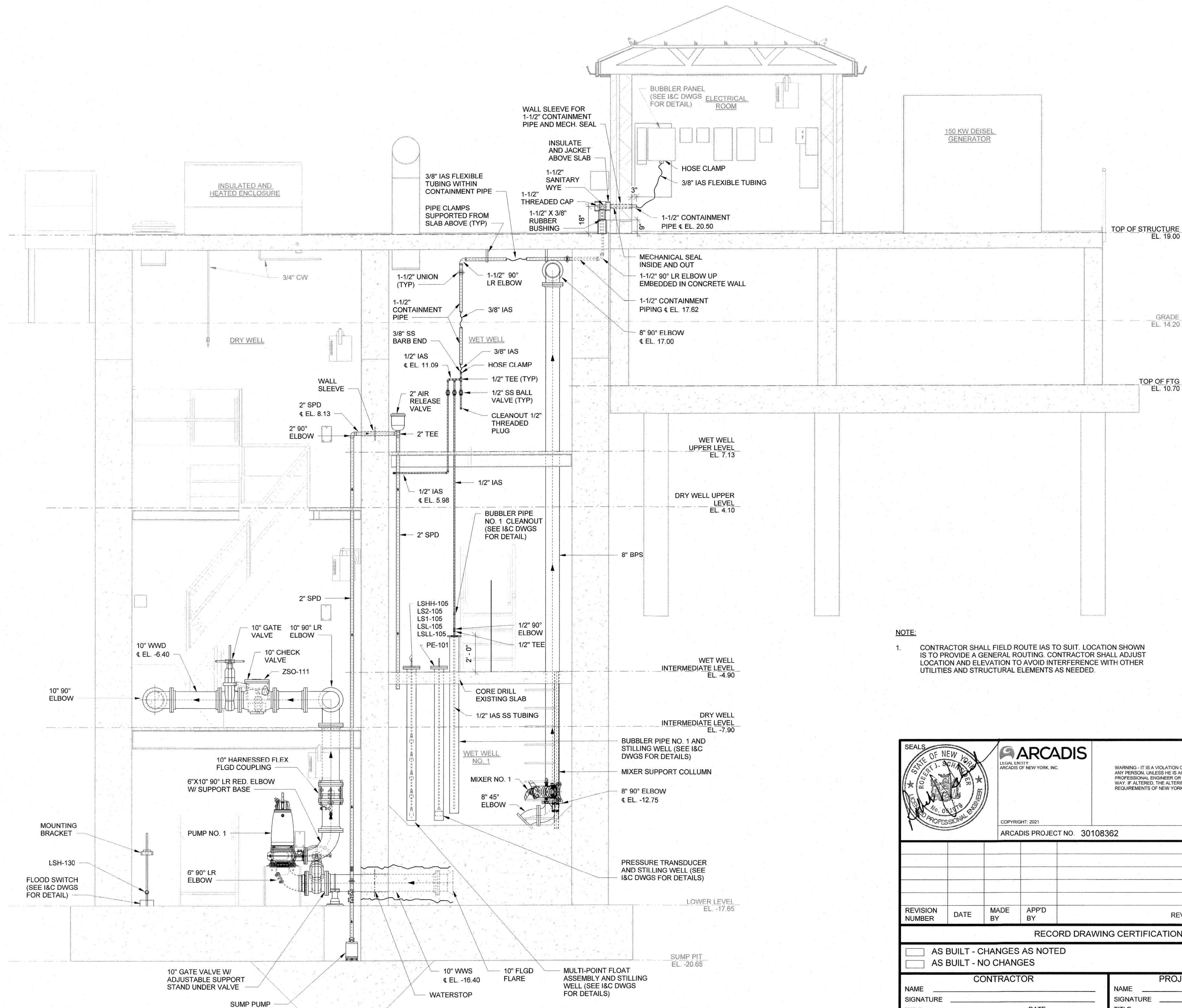
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IN CHARGE OF D. PAPASTATHIS
CHECKED BY C. CATCHPOLE
MADE BY A. CHAMBERS

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DIVISION OF ENGINEERING				SHEET NO. 58 OF 103																															
REHABILITATION OF WEAVER STREET PUMPING STATION				SCALE: 1/2" = 1'-0"																															
MAMARONECK VALLEY SANITARY SEWER DISTRICT				DATE: APRIL 2023																															
LOWER LEVEL				DPW FILE NO.	REV. NO.																														
PLAN AT EL. -17.65				205-03-M-99-0																															

File: BM 390 / AUS-30039047-WCDEF - Pumping Station Rehabilitation/3D-WPS mt Scale: 3/8" = 1'-0" Date: 01/03/22



NOTE:

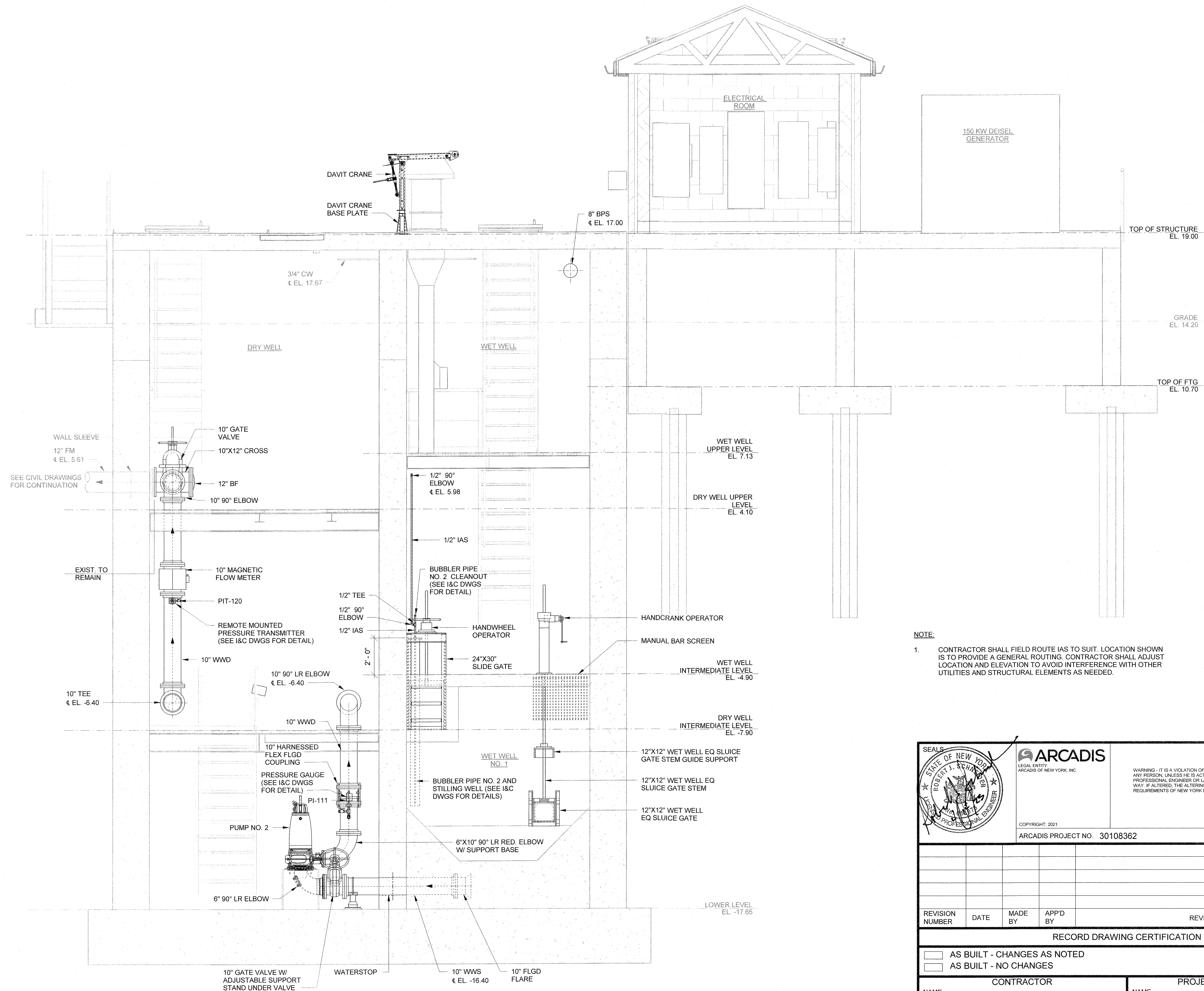
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DIVISION OF ENGINEERING			SHEET NO. 59 OF 103																																
REHABILITATION OF WEAVER STREET PUMPING STATION			SCALE: 3/8" = 1'-0"																																
MAMARONECK VALLEY SANITARY SEWER DISTRICT			DATE: APRIL 2023																																
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SHEET 1			205-03-M-100-0																																

1 SECTION
M-009 SCALE: 3/8" = 1'-0"



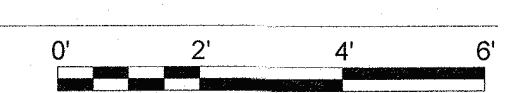
IN CHARGE OF D. PAPASTATHIS
CHECKED BY C. CATCHPOLE
MADE BY A. CHAMBERS



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WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 22-526	SHEET NUMBER M-017																									
REHABILITATION OF WEAVER STREET PUMPING STATION MAMARONECK VALLEY SANITARY SEWER DISTRICT				SCALE: 3/8" = 1'-0" DATE: APRIL 2023 DPW FILE NO. 205-03-M-101-0																										
SECTIONS SHEET 2				REV. NO.																										

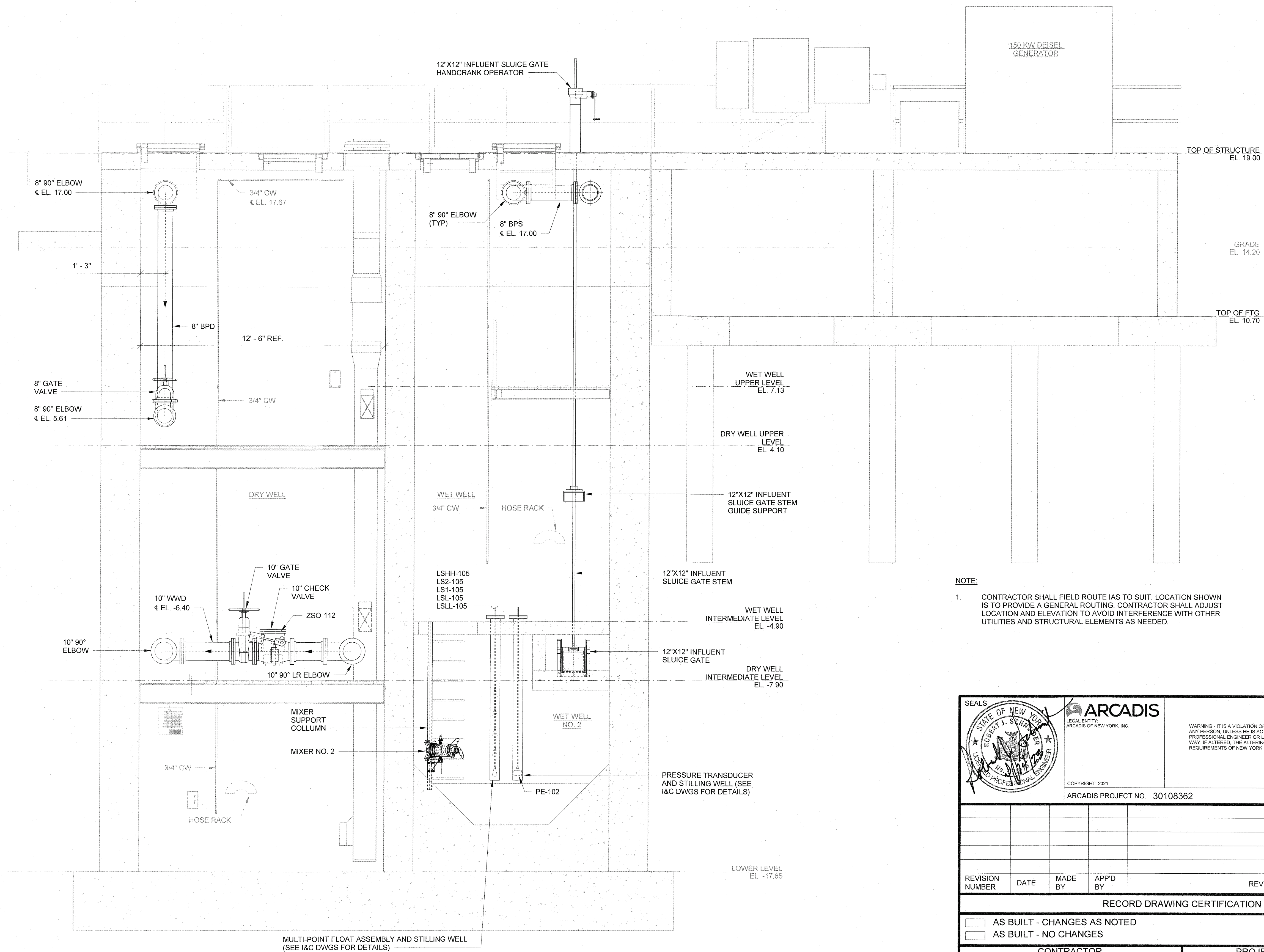
1 SECTION
 M-009 SCALE: 3/8" = 1'-0"



File: E:\M-300\AUS-30030907-WCDEF - Pumping Station Rehabilitation\M-30-VPS.vt Scale: 3/8" = 1'-0" Date: 01/09/22

IN CHARGE OF D. PAPASTATHIS
 CHECKED BY C. CATCHPOLE
 MADE BY A. CHAMBERS

File: B:\303\303-003647\WCDEF - Pumping Station Rehabilitation\3D\WPS.rvt Scale: 3/8" = 1'-0" Date: 05/26/22



NOTE:
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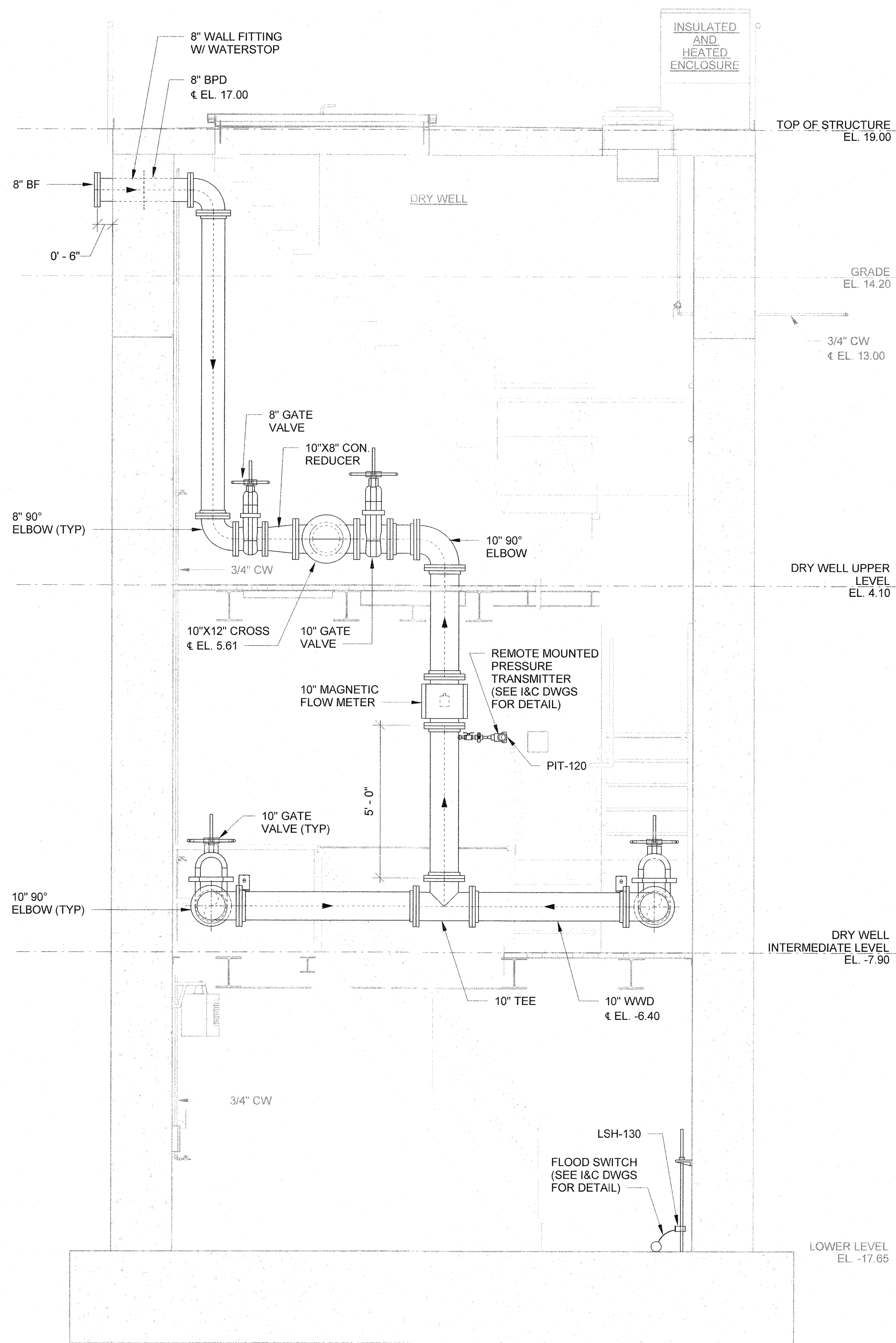
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REHABILITATION OF WEAVER STREET PUMPING STATION MAMARONECK VALLEY SANITARY SEWER DISTRICT																														
SCALE: 3/8" = 1'-0" DATE: APRIL 2023 DPW FILE NO. 205-03-M-102-0																														
SHEET NO. 61 OF 103 SHEET 3																														

1 SECTION
M-009 SCALE: 3/8" = 1'-0"



IN CHARGE OF D. PAPASTATHIS
CHECKED BY C. CATCHPOLE
MADE BY A. CHAMBERS

File: BM 360 / AUS-30036047-PCDEF - Pumping Station Rehabilitation-M-3D-VPS at Scale: 3/8" = 1'-0" Date: 01/06/22

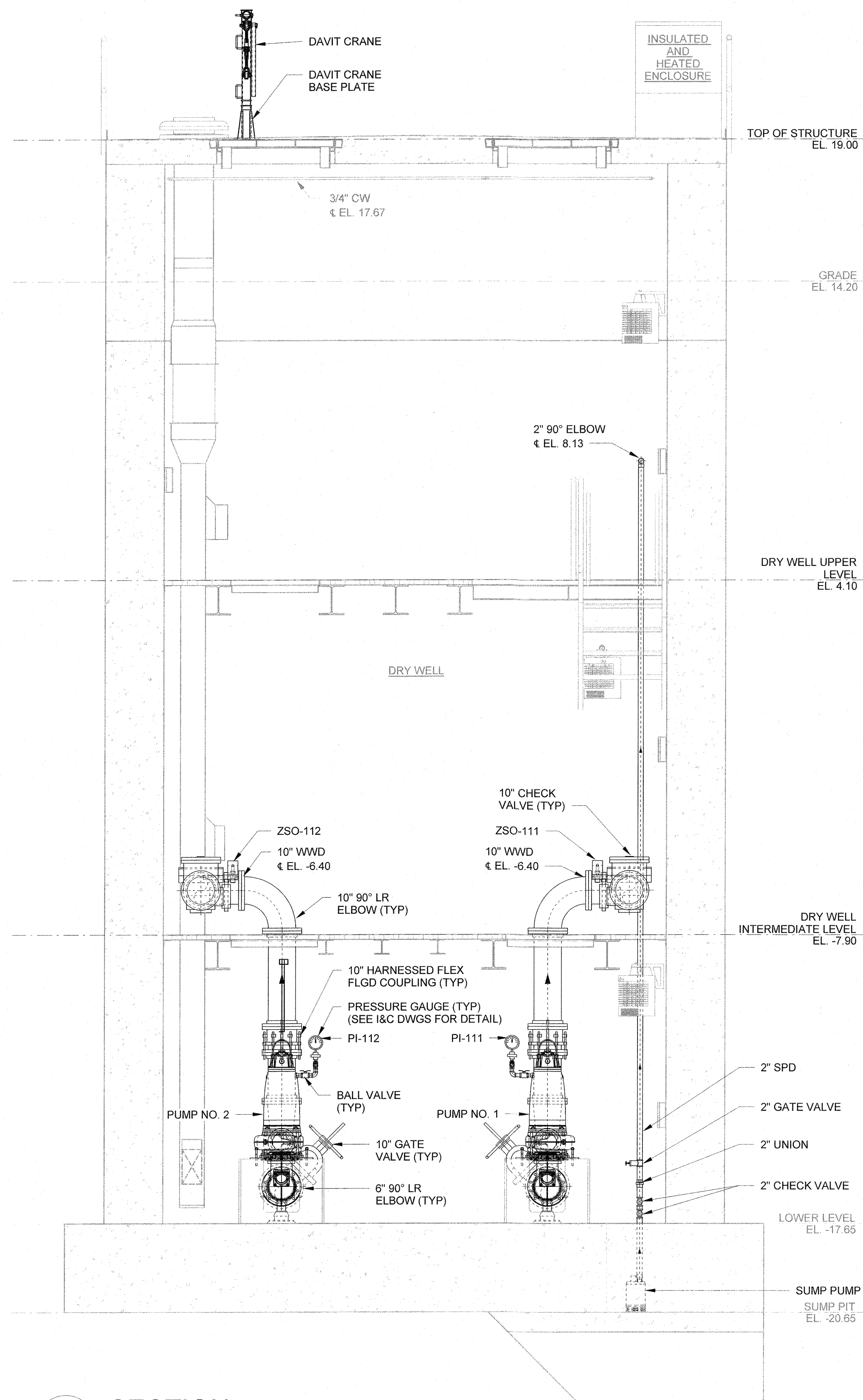


SECTION 1

M-009 SCALE: 3/8" = 1'-0"



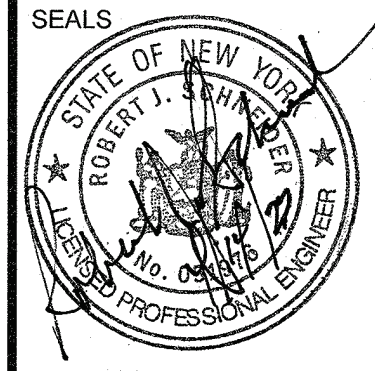

IN CHARGE OF D. PAPASTATHIS
CHECKED BY C. CATCHPOLE
MADE BY A. CHAMBERS



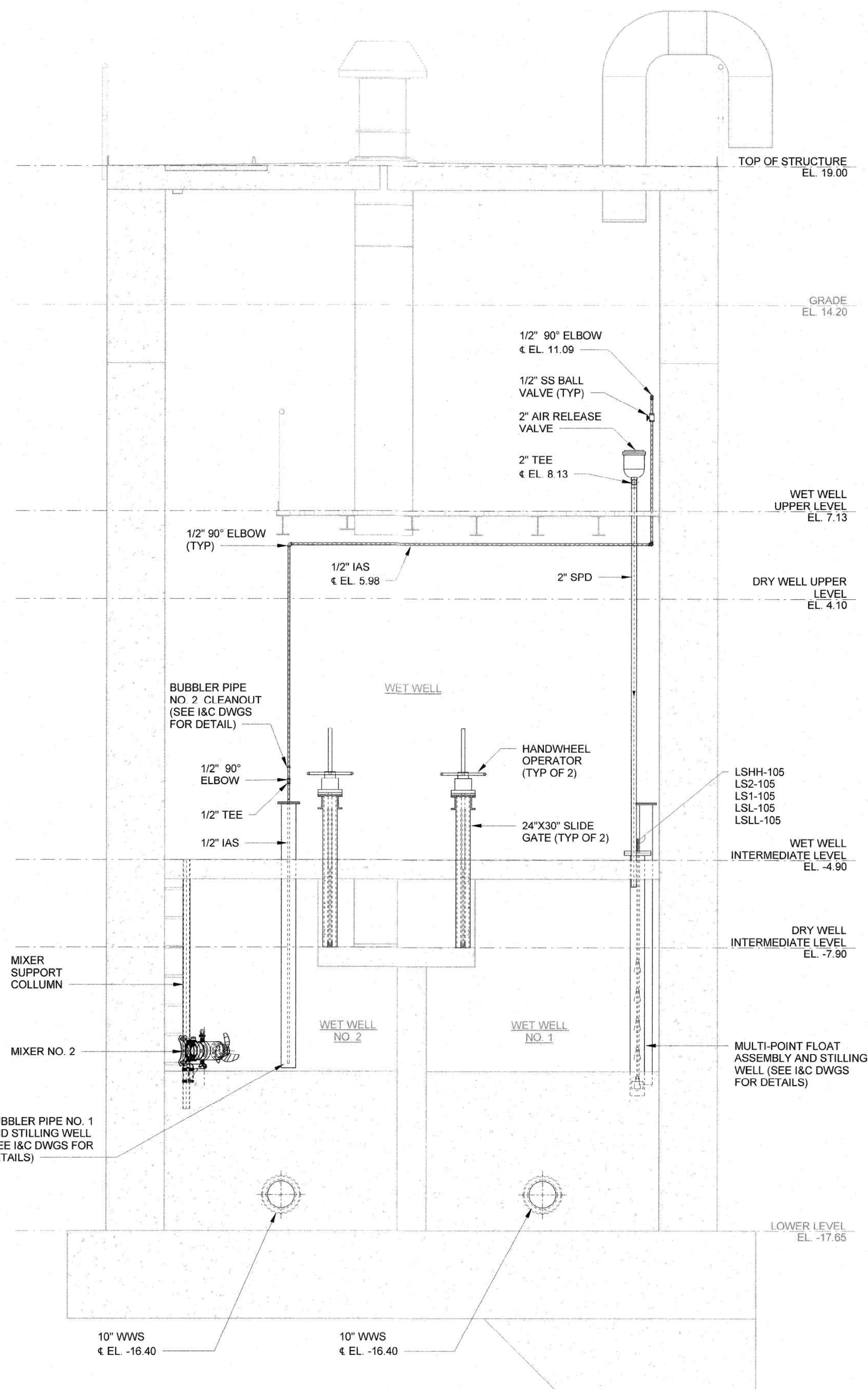
SECTION 2

M-009 SCALE: 3/8" = 1'-0"

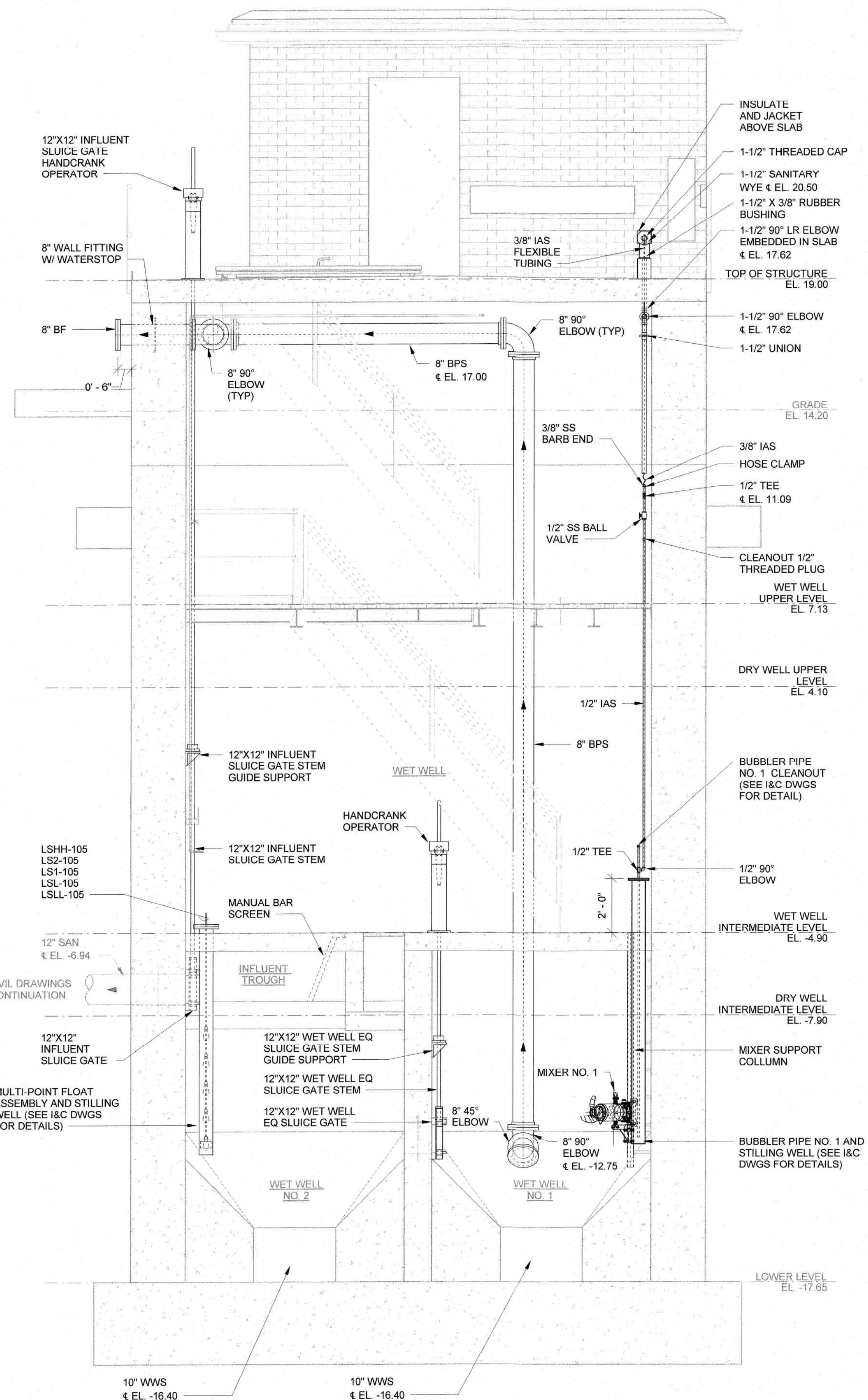


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WESTCHESTER COUNTY, NEW YORK			CONTRACT NUMBER		
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION			22-526		
DIVISION OF ENGINEERING			SHEET NUMBER		
			M-019		
REHABILITATION OF WEAVER STREET PUMPING STATION			SCALE: 3/8" = 1'-0"		
MAMARONECK VALLEY SANITARY SEWER DISTRICT			DATE: APRIL 2023		
SECTIONS			DPW FILE NO.		
SHEET 4			205-03-M-103-0		
			REV NO.		

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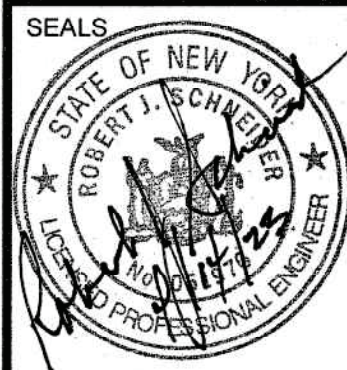



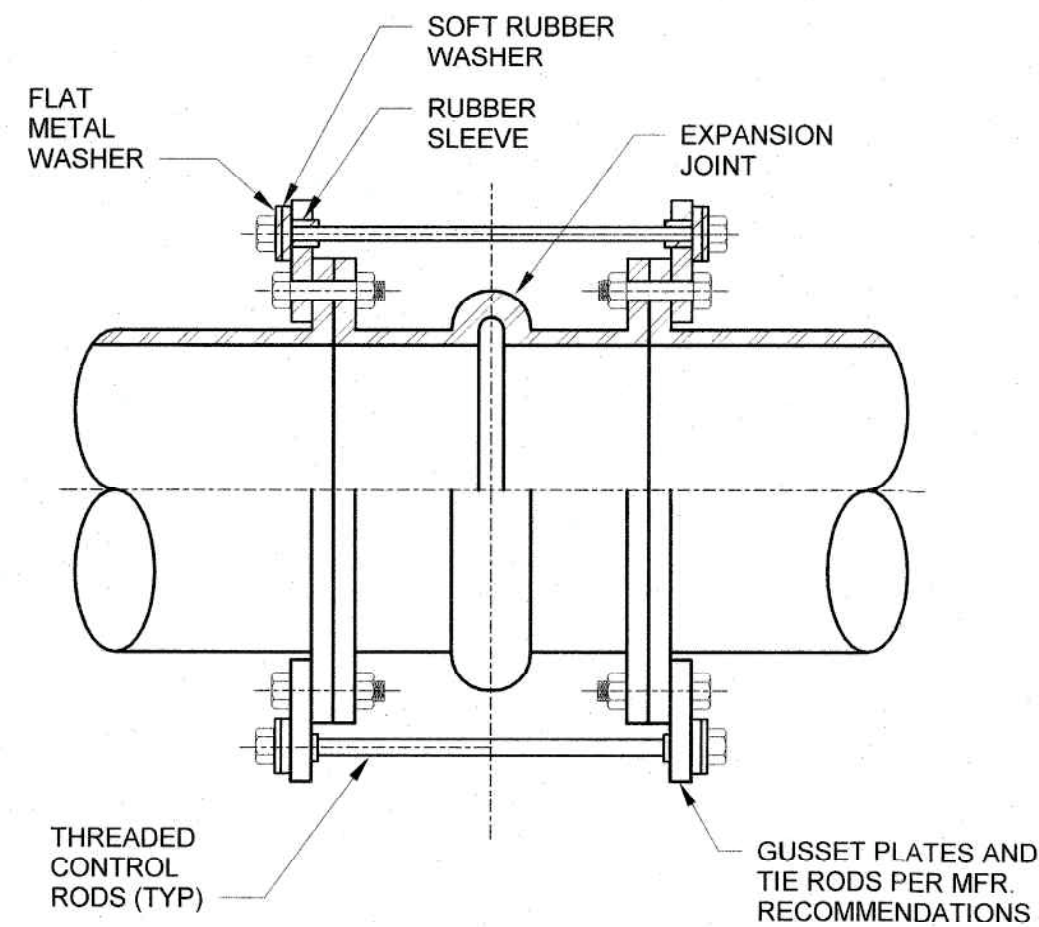
1 SECTION
M-009 SCALE: 3/8" = 1'-0"



2 SECTION
M-009 SCALE: 3/8" = 1'-0"

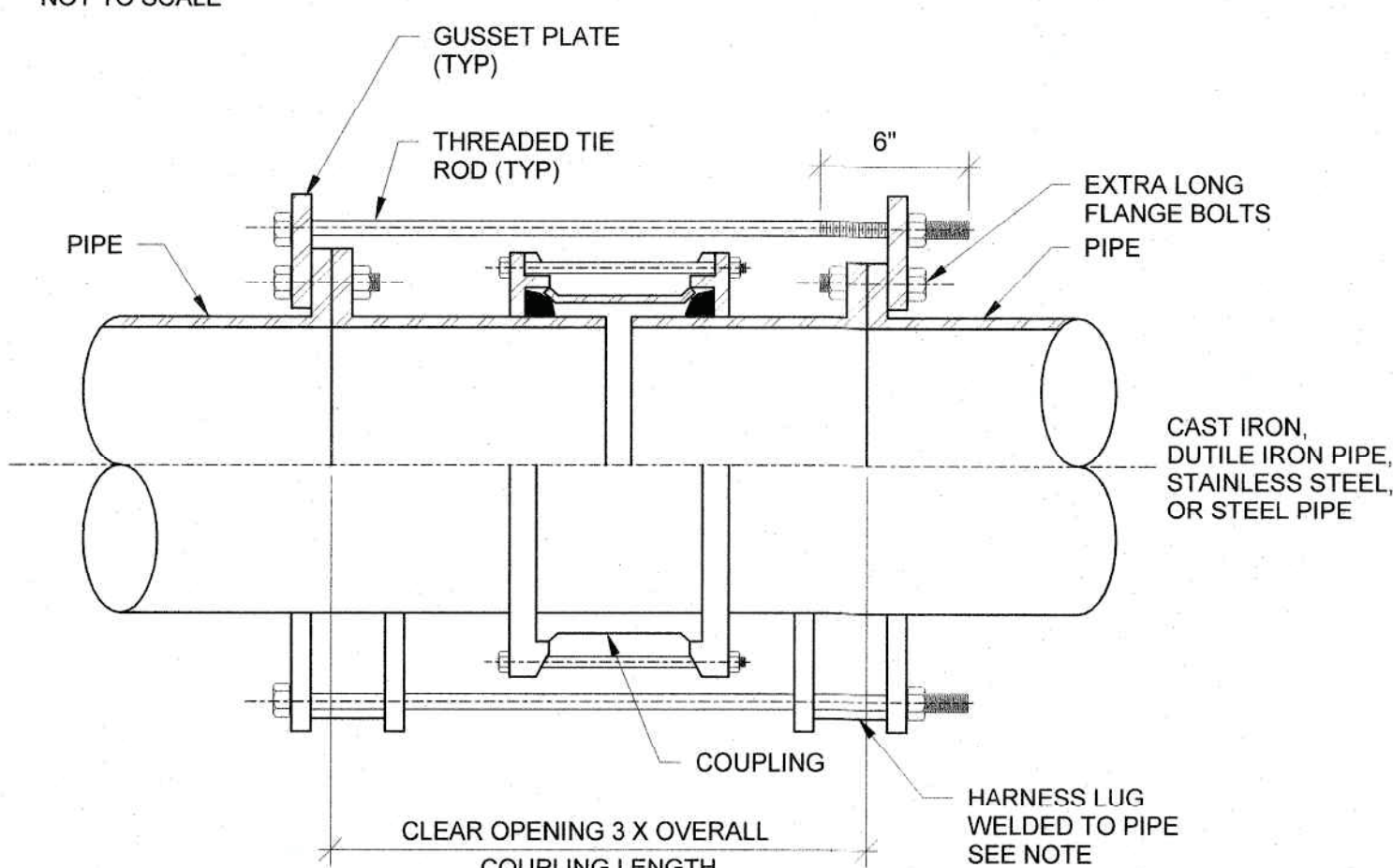
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DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION			SHEET NUMBER M-020		
DIVISION OF ENGINEERING			SHEET NO. 63 OF 103		
REHABILITATION OF WEAVER STREET PUMPING STATION			SCALE: 3/8" = 1'-0"		
MAMARONECK VALLEY SANITARY SEWER DISTRICT			DATE: APRIL 2023		
SECTIONS			DPW FILE NO.		
SHEET 5			205-03-M-104-0		



HARNESS EXPANSION COUPLING DETAIL

NOT TO SCALE

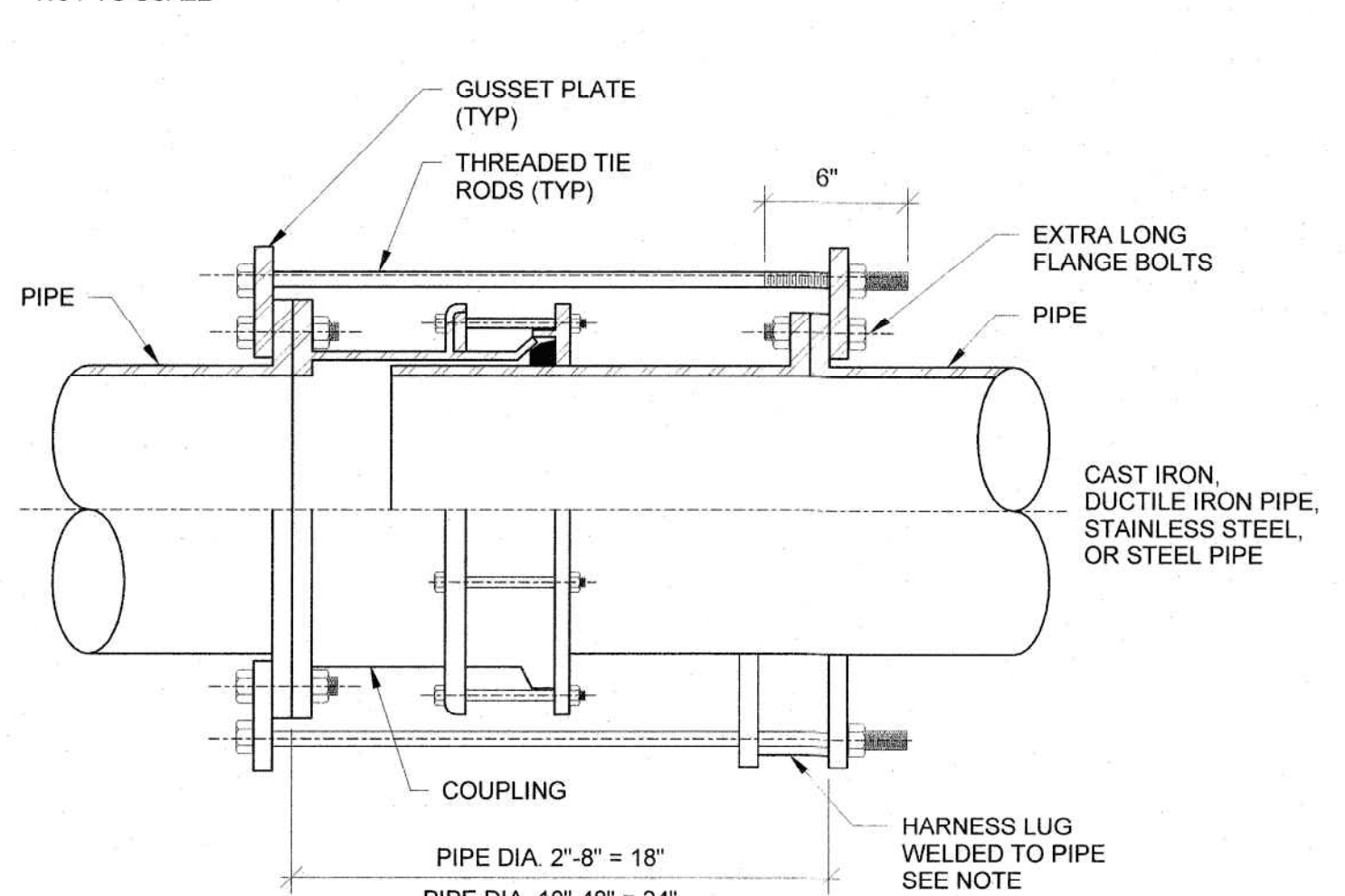


NOTE:

THE NUMBER OF TIE RODS, HARNESS LUG CONFIGURATION AND MATERIAL THICKNESS SHALL BE IN ACCORDANCE WITH AWWA M-11, STEEL PIPE - A GUIDE FOR DESIGN AND INSTALLATION

HARNESS FLEXIBLE COUPLING DETAIL

NOT TO SCALE



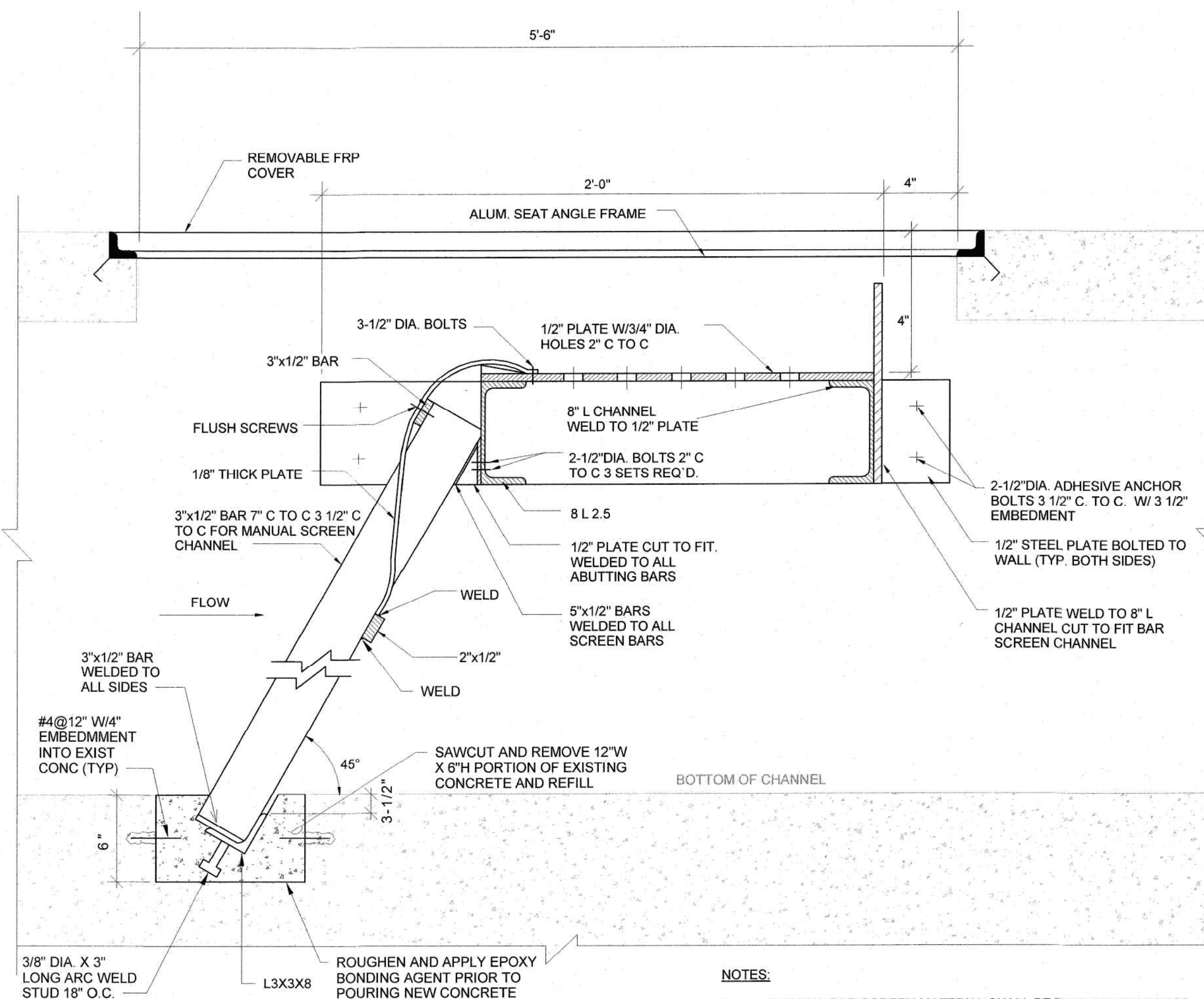
NOTE:

THE NUMBER OF TIE RODS, HARNESS LUG CONFIGURATION AND MATERIAL THICKNESS SHALL BE IN ACCORDANCE WITH AWWA M-11, STEEL PIPE - A GUIDE FOR DESIGN AND INSTALLATION.

HARNESS FLANGED COUPLING ADAPTER DETAIL

NOT TO SCALE

IN CHARGE OF D. PAPASTATHIS
CHECKED BY C. CATCHPOLE
MADE BY A. CHAMBERS

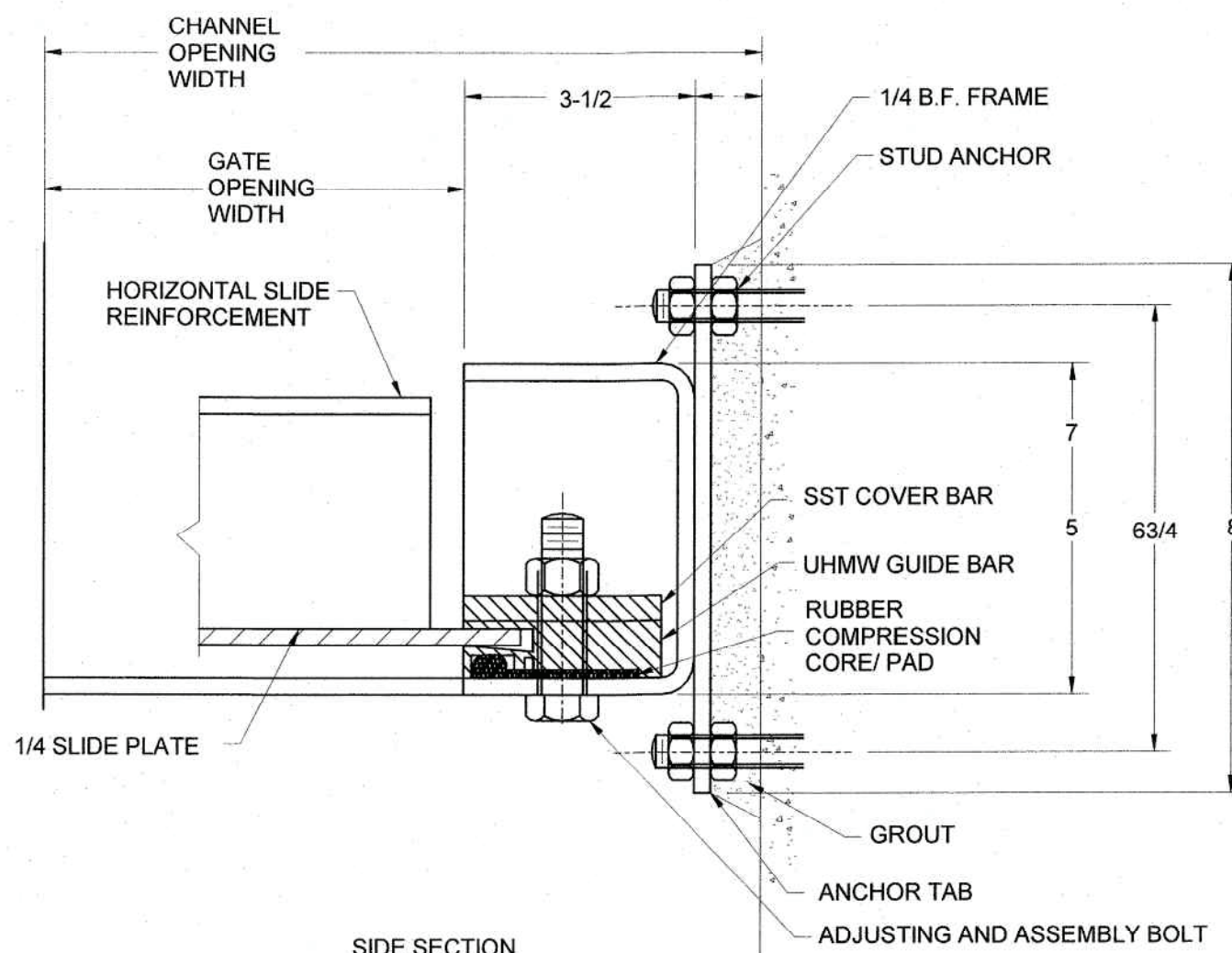


NOTES:

- MANUAL BAR SCREEN MATERIAL SHALL BE TYPE 316 STAINLESS STEEL WITH 7/8 INCH CLEAR SPACING.
- CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFY EXISTING MANUAL BAR SCREEN DIMENSIONS AND MATCH ACCORDINGLY.

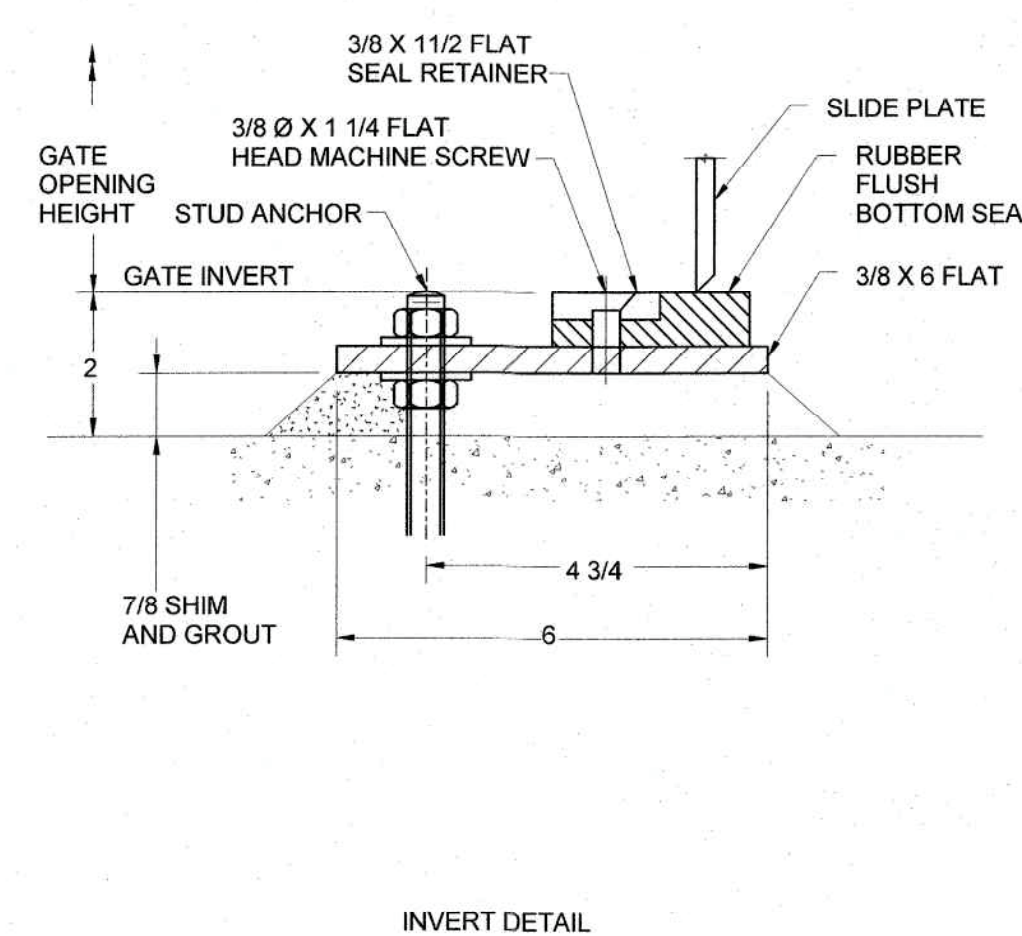
MANUAL BAR SCREEN DETAIL

NOT TO SCALE

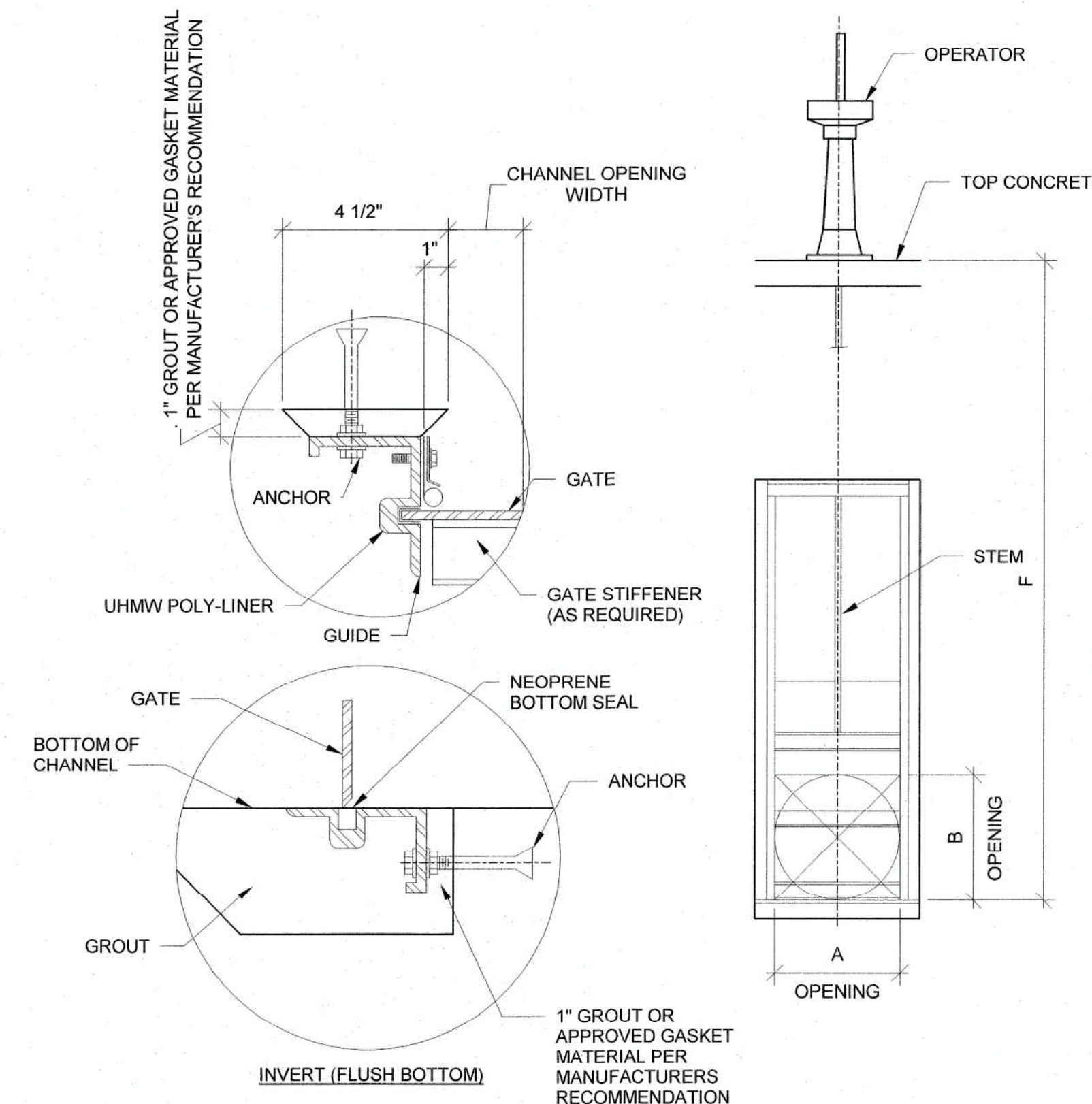


SLIDE GATE CHANNEL MOUNT DETAIL

NOT TO SCALE

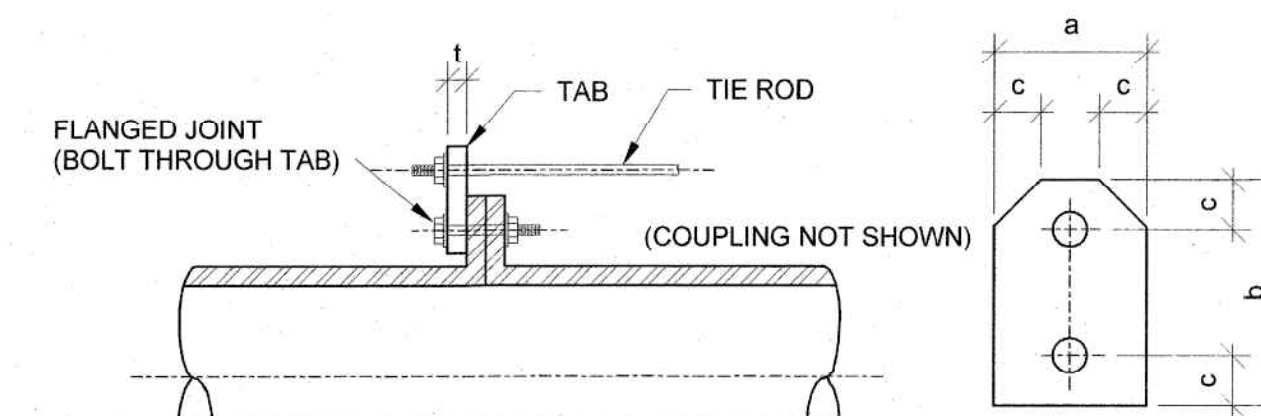


INVERT DETAIL



WALL MOUNTED SLIDE GATE DETAIL

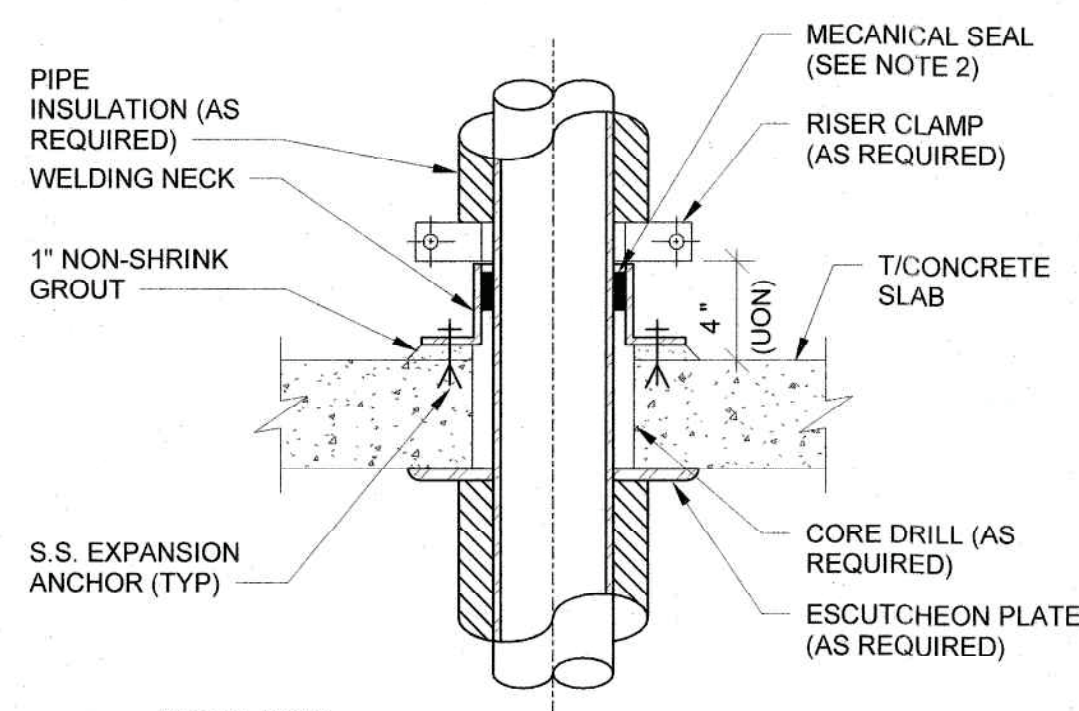
NOT TO SCALE



TIED COUPLING REQUIREMENTS DETAIL

NOT TO SCALE

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CONTRACTOR			PROJECT COORDINATOR			
NAME	SIGNATURE		DATE	NAME	SIGNATURE	
TITLE			DATE	TITLE		
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 22-526	SHEET NUMBER M-021	
REHABILITATION OF WEAVER STREET PUMPING STATION MAMARONECK VALLEY SANITARY SEWER DISTRICT				SHEET NO. 64 OF 103		
TYPICAL DETAILS SHEET 1				SCALE: As indicated DATE: APRIL 2023 DPW FILE NO. 205-03-M-105-0 REV NO.		

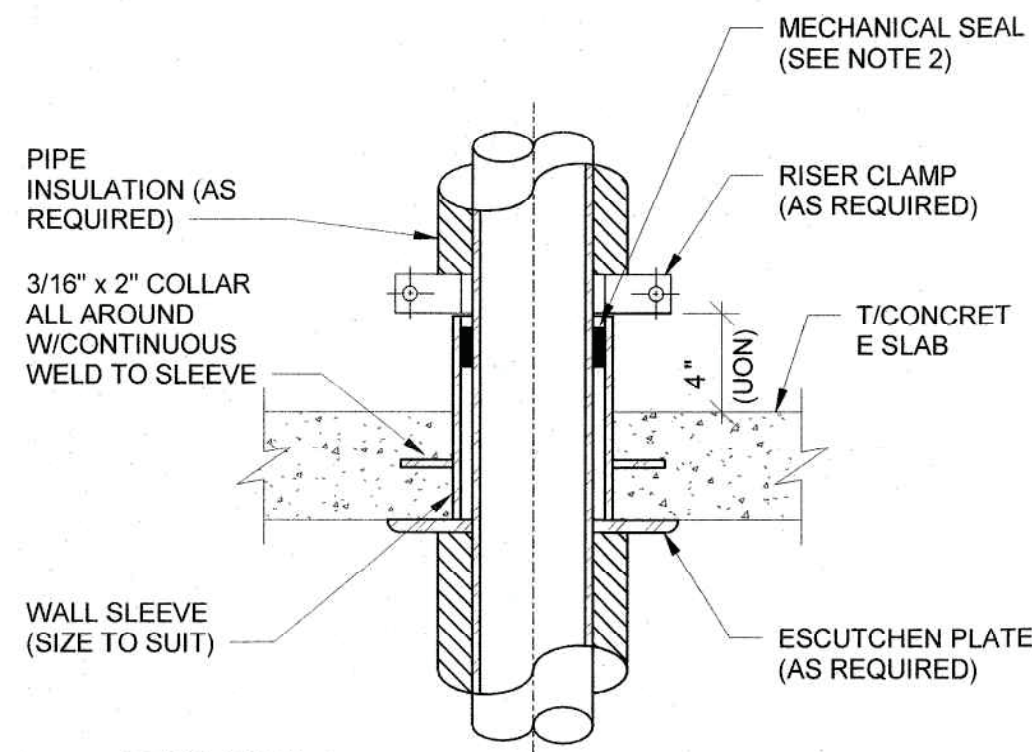


DETAIL NOTE:

1. TYPE 1 - MECHANICAL SEAL REQUIRED.
TYPE 2 - MECHANICAL SEAL NOT REQUIRED.
2. PROVIDE FIRE RATED MECHANICAL SEAL AS REQUIRED.

TYPICAL FLOOR CORE DETAIL

NOT TO SCALE

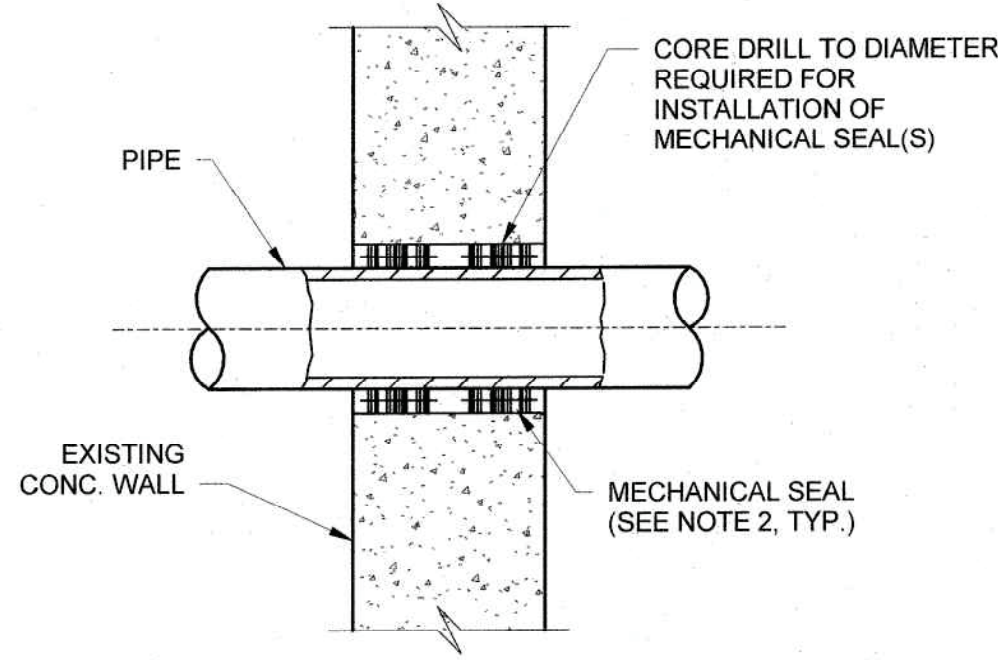


DETAIL NOTE:

1. TYPE 1 - MECHANICAL SEAL REQUIRED.
TYPE 2 - MECHANICAL SEAL NOT REQUIRED.
2. PROVIDE FIRE RATED MECHANICAL SEALS AS REQUIRED.

TYPICAL FLOOR SLEEVE DETAIL

NOT TO SCALE

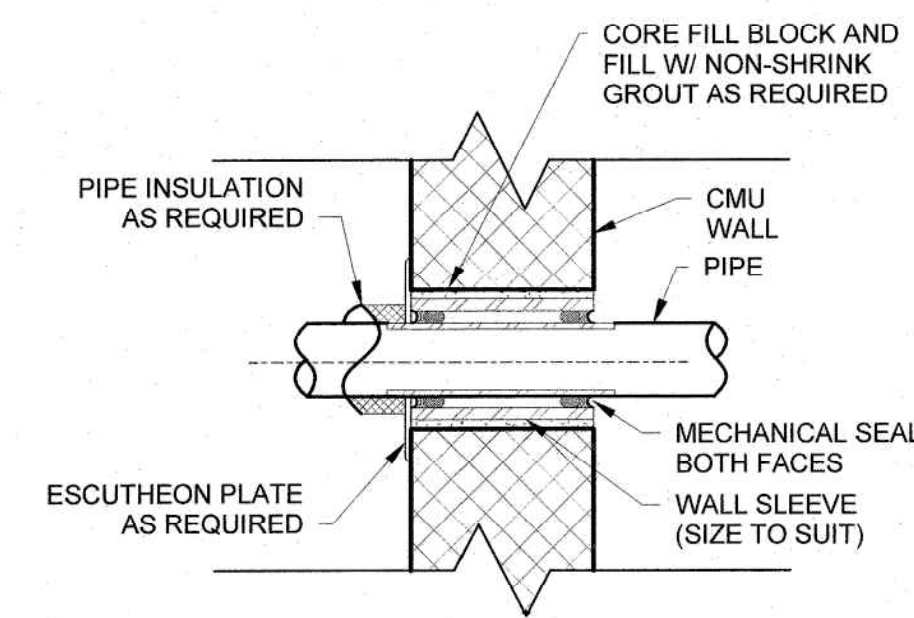


DETAIL NOTES:

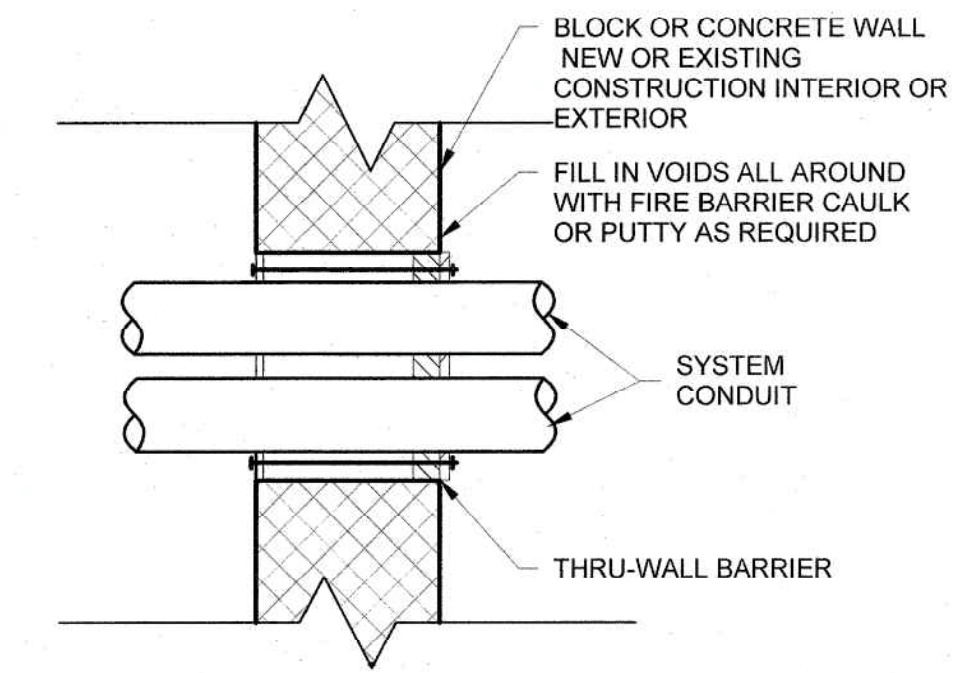
1. MECHANICAL SEAL REQUIRED ON BOTH FACES.
2. PROVIDE FIRE RATED MECHANICAL SEALS AS REQUIRED.

TYPICAL WALL CORE DETAIL

NOT TO SCALE

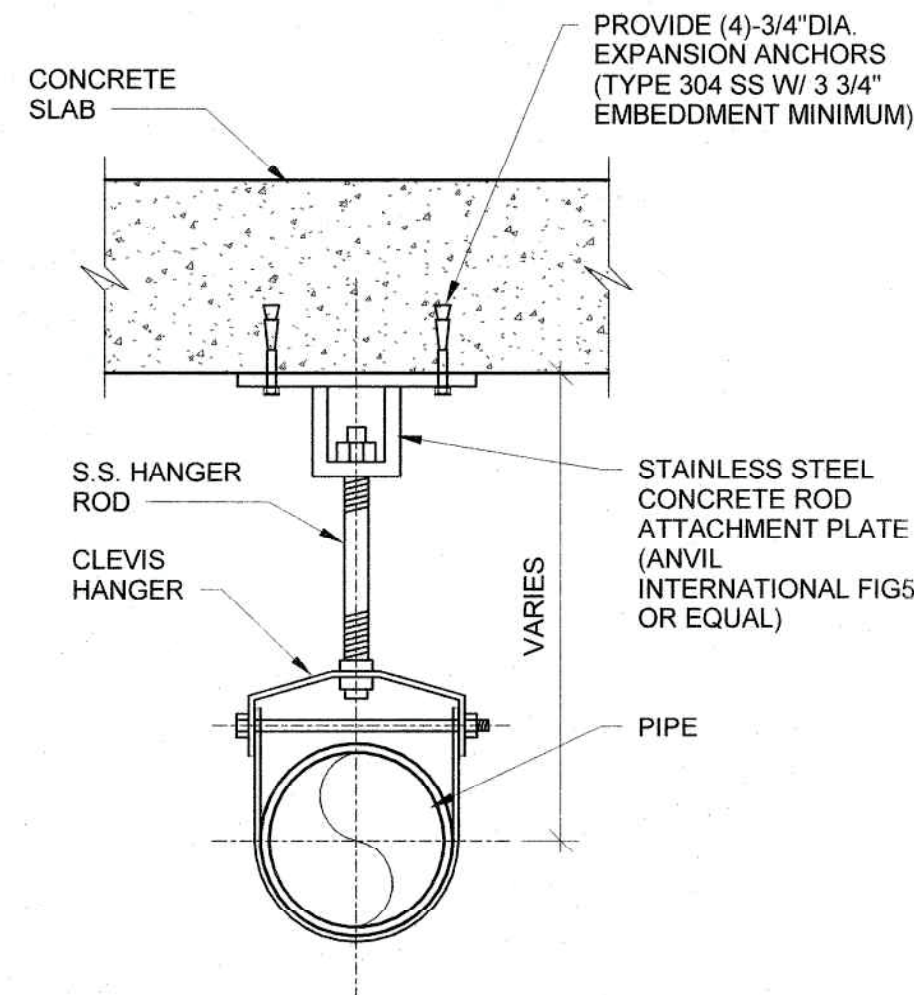


NOT TO SCALE



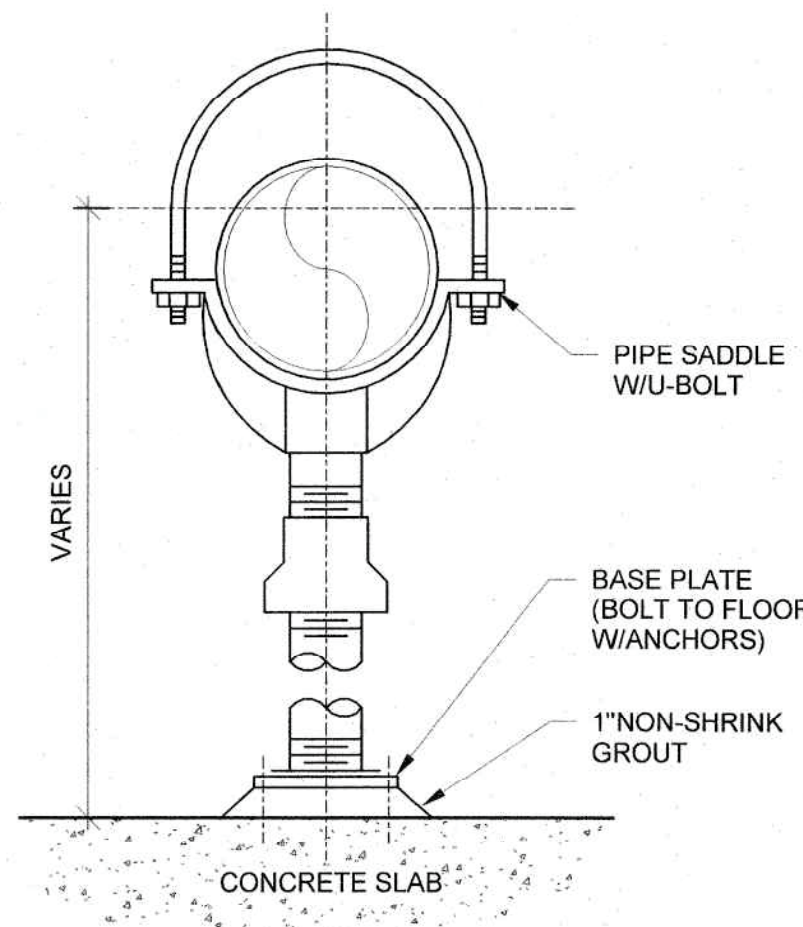
TYPICAL THRU WALL CONDUIT DETAIL

NOT TO SCALE



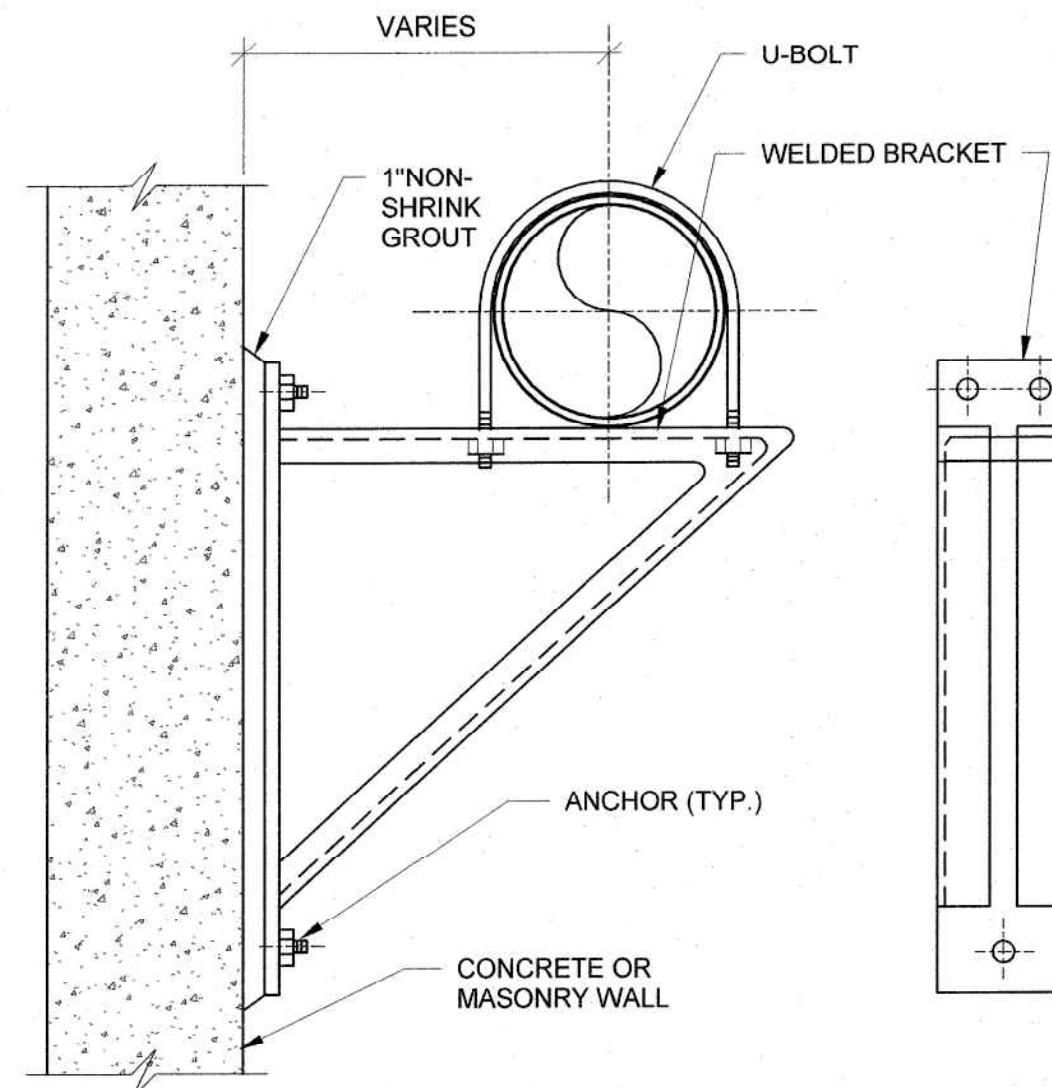
TYPICAL CLEVIS HANGER SUPPORT DETAIL

NOT TO SCALE



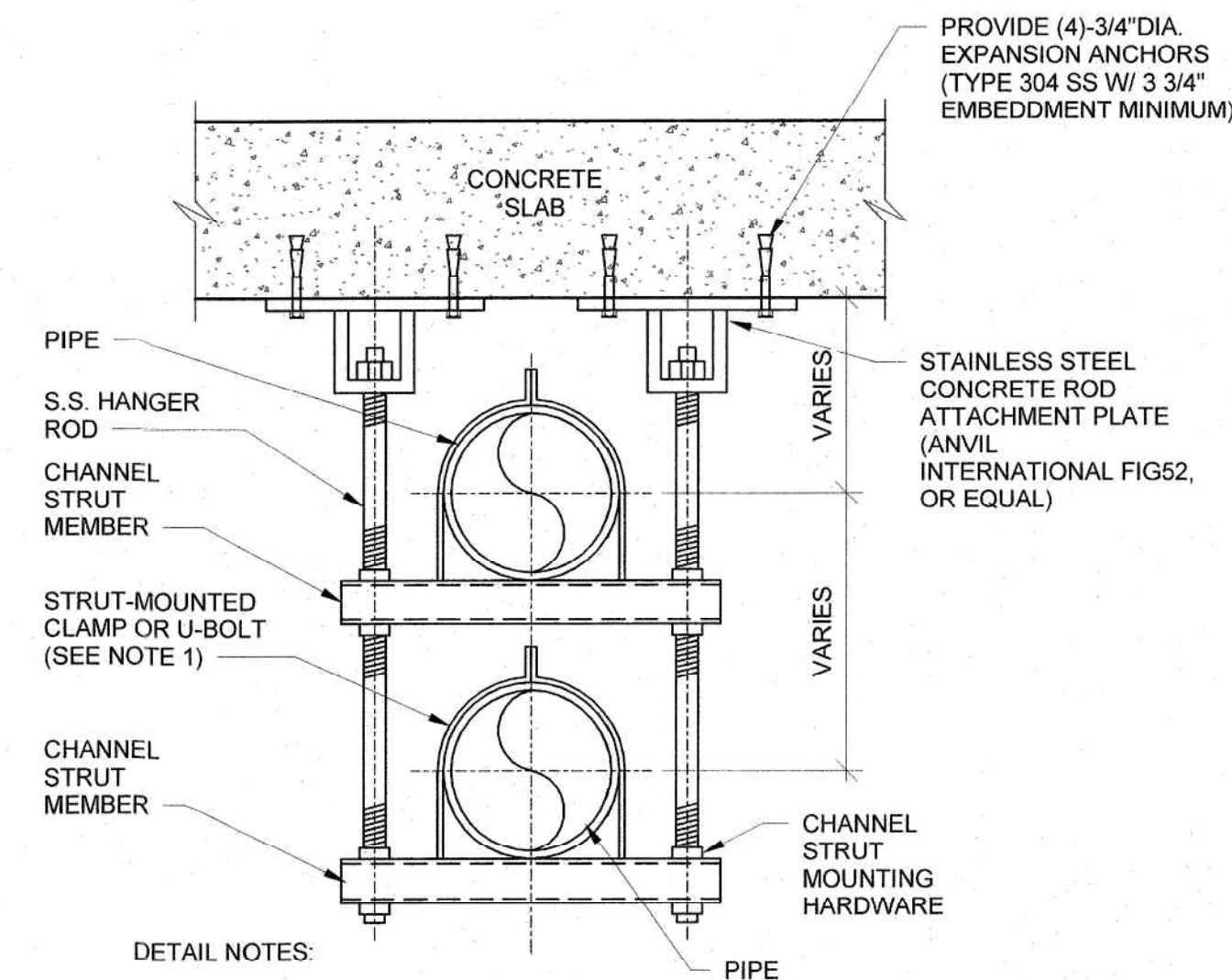
STANCHION PIPE SUPPORT DETAIL

NOT TO SCALE



WALL BRACKET SUPPORT DETAIL

NOT TO SCALE

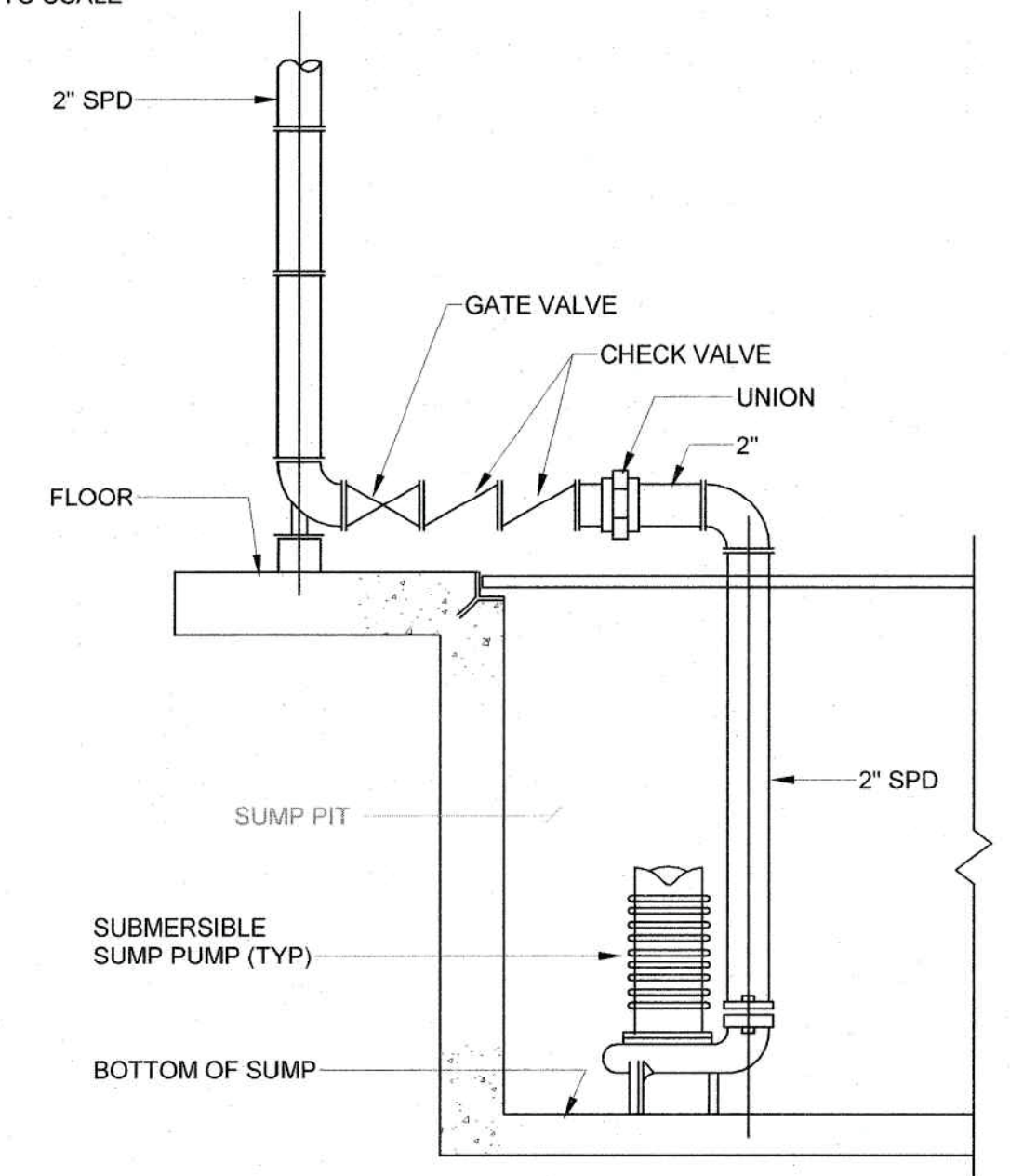


DETAIL NOTES:

1. PROVIDE STRUT-MOUNTED CLAMPS FOR ALL PIPES 6\"/>

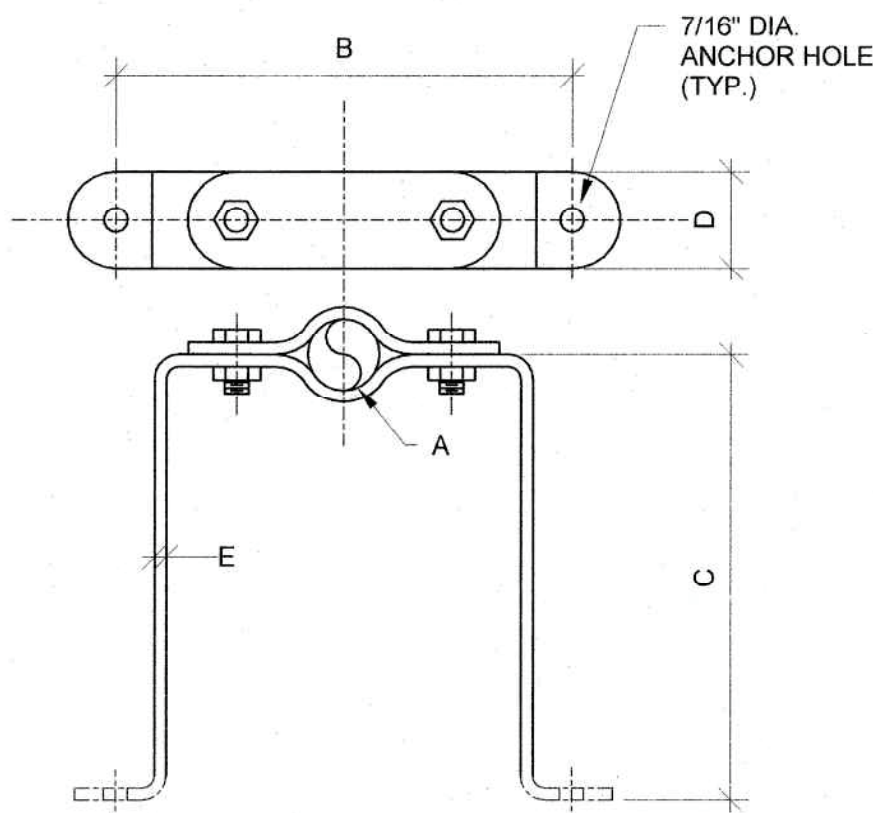
TRAPEZE PIPE SUPPORT DETAIL

NOT TO SCALE



SIMPLEX SUMP PUMP

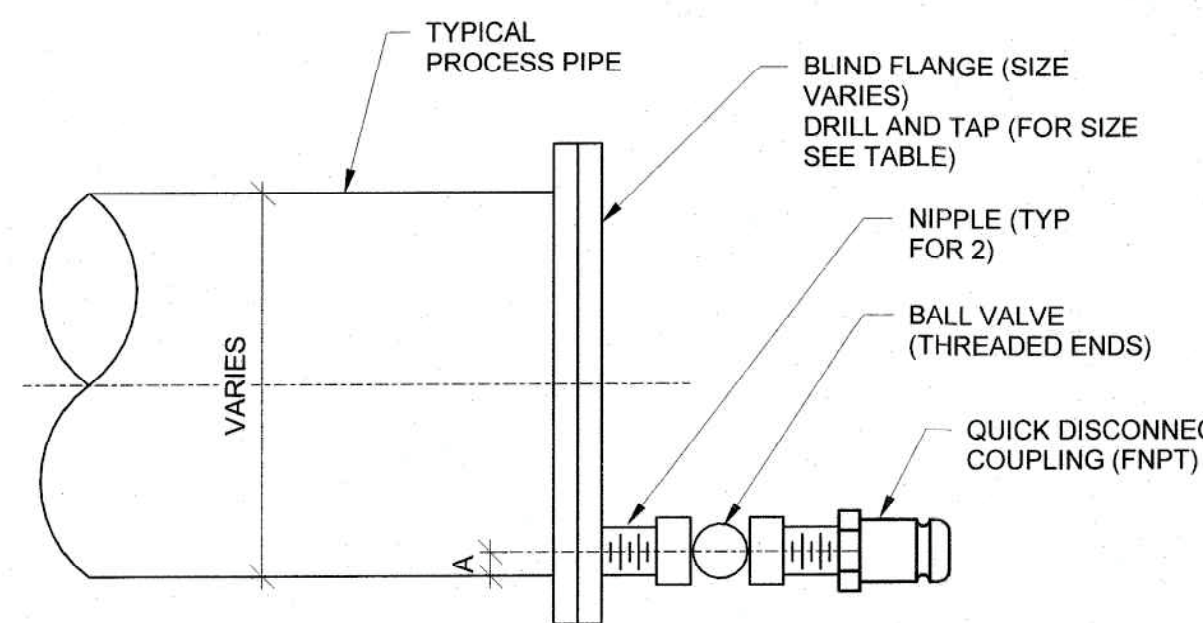
NOT TO SCALE



DIM.	PIPE SIZE		
A	1/2"-2"	2"-4"	4"-6"
B	6 1/4"	10"	14"
C	6"-10"	6"-12"	8"-16"
D	1 1/4"	2"	3"
E	3/16"	5/16"	3/8"
C/C SPACING	4'-0"	6'-0"	8'-0"

OFFSET CLAMP PIPE SUPPORT DETAIL

NOT TO SCALE



PROCESS PIPE SIZE	DRAIN SIZE	DIM "A"	NIPPLE LENGTH
UP TO 10"	1 1/2"	1"	3"
12" TO 20"	2"	1"	3"
22" & LARGER	2 1/2"	1 1/2"	4"

FLUSHING/DRAIN CONNECTION W/ QUICK DISCONNECT COUPLING DETAIL

NOT TO SCALE

IN CHARGE OF D. PAPASTATHIS
CHECKED BY C. CATCHPOLE
MADE BY A. CHAMBERS

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WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER	SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		22-526	M-022
DIVISION OF ENGINEERING		SHEET NO. 65	OF 103
REHABILITATION OF WEAVER STREET PUMPING STATION		SCALE: As indicated	DATE: APRIL 2023
MAMARONECK VALLEY SANITARY SEWER DISTRICT		DPW FILE NO.	REV. NO.
TYPICAL DETAILS		205-03-M-106-0	
SHEET 2			