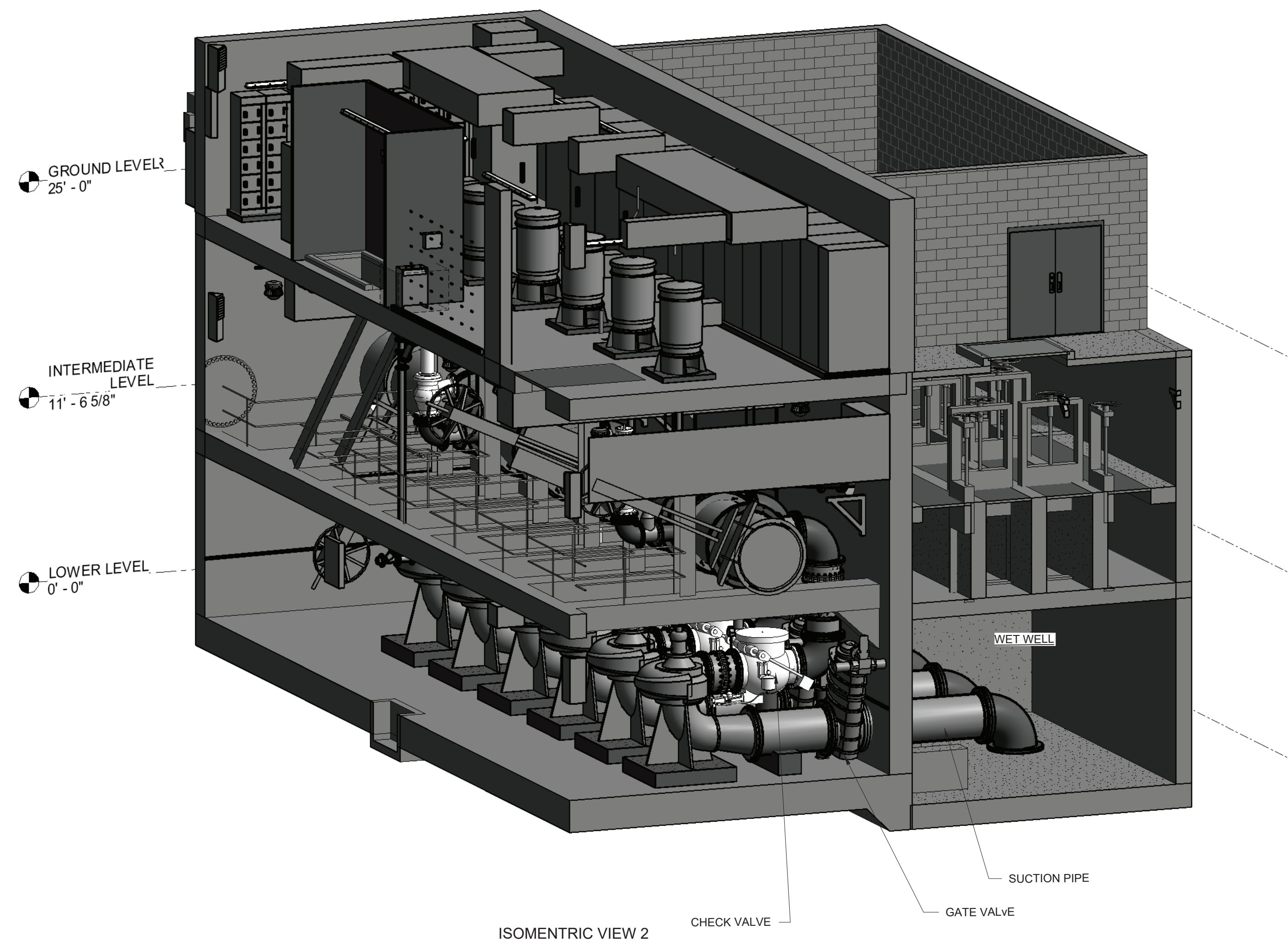
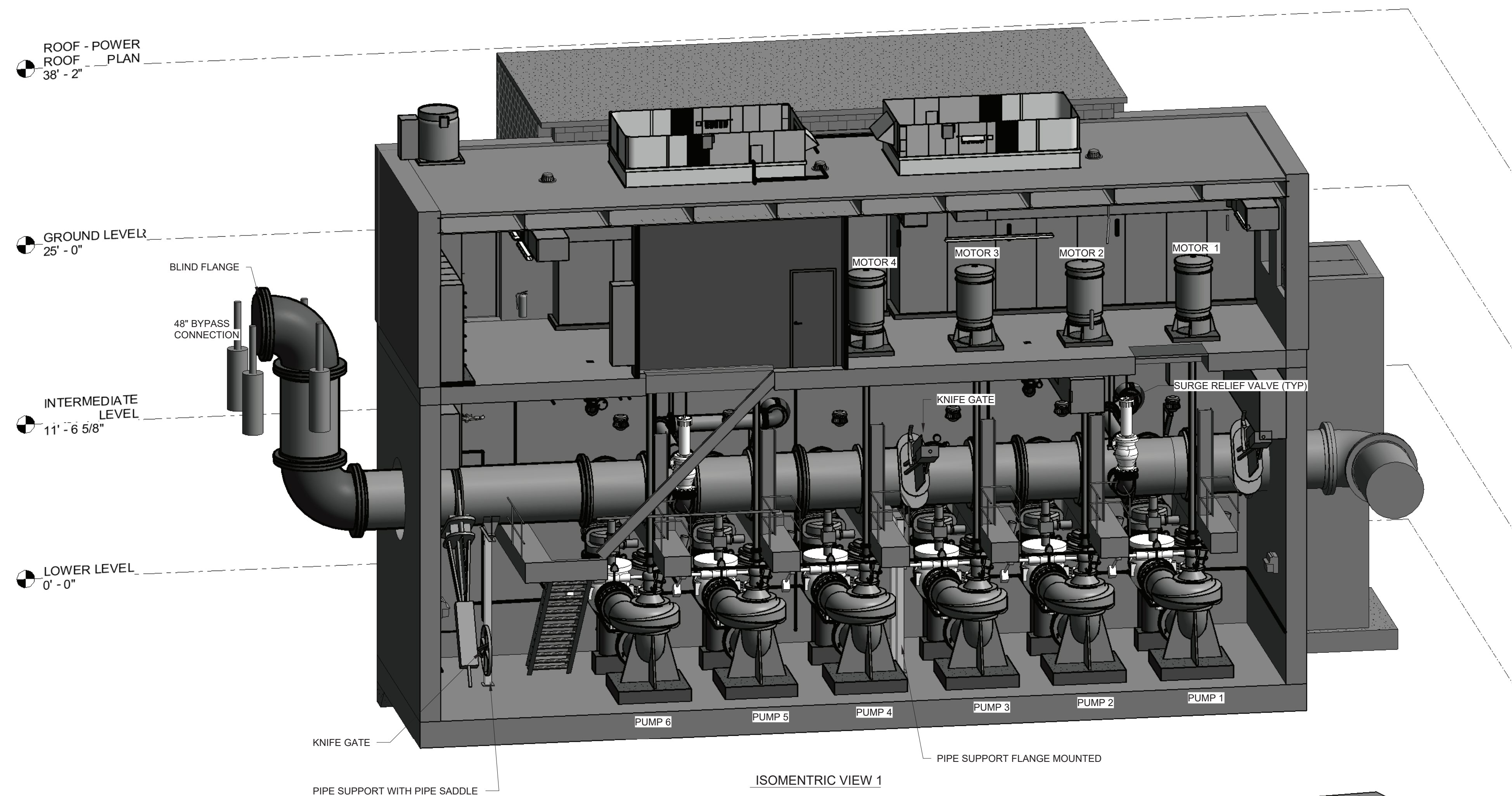


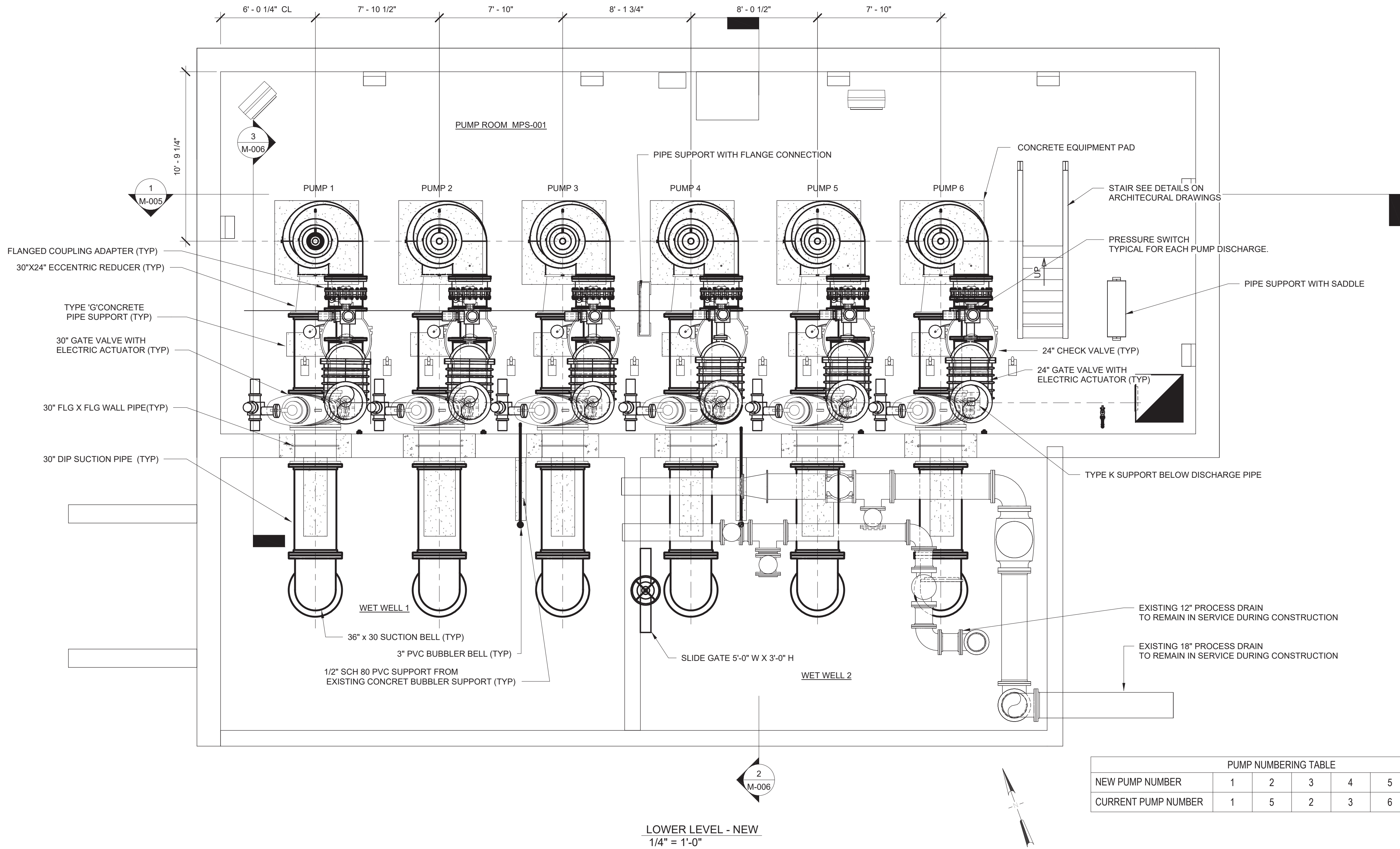


I, Michael E. Valocchi, a duly Licensed Professional Engineer in the State of New York, do hereby certify that I am the author of the design and calculations shown on this drawing, and that I am a duly Licensed Professional Engineer in the State of New York, No. 073751.

DRAWING REVISIONS		APPROVED	
NO.	DATE	REVISION	DATE
5			
4			
3	07/21	FOR CONSTRUCTION	MJL
2	10/20	100 PERCENT DESIGN REVIEW	MJL
1	04/20	60 PERCENT DESIGN REVIEW	MJL

PROJECT TITLE:	MAIN PUMP STATION UPGRADE
CLIENT:	ROCKLAND COUNTY SEWER DISTRICT NO 1
DRAWING TITLE:	PUMP STATION - ISOMETRIC VIEW
ORIGINAL SIZE:	ARCH D

DATE:	JULY 2021
SCALE:	
DRAWN:	MJL
CHECKED:	RRS
edr Job#:	19190
CONTRACT NO. RFB-RC-SWR-CIP 2020-02	
DRAWING NUMBER:	M-001



PUMP NUMBERING TABLE						
NEW PUMP NUMBER	1	2	3	4	5	6
CURRENT PUMP NUMBER	1	5	2	3	6	4

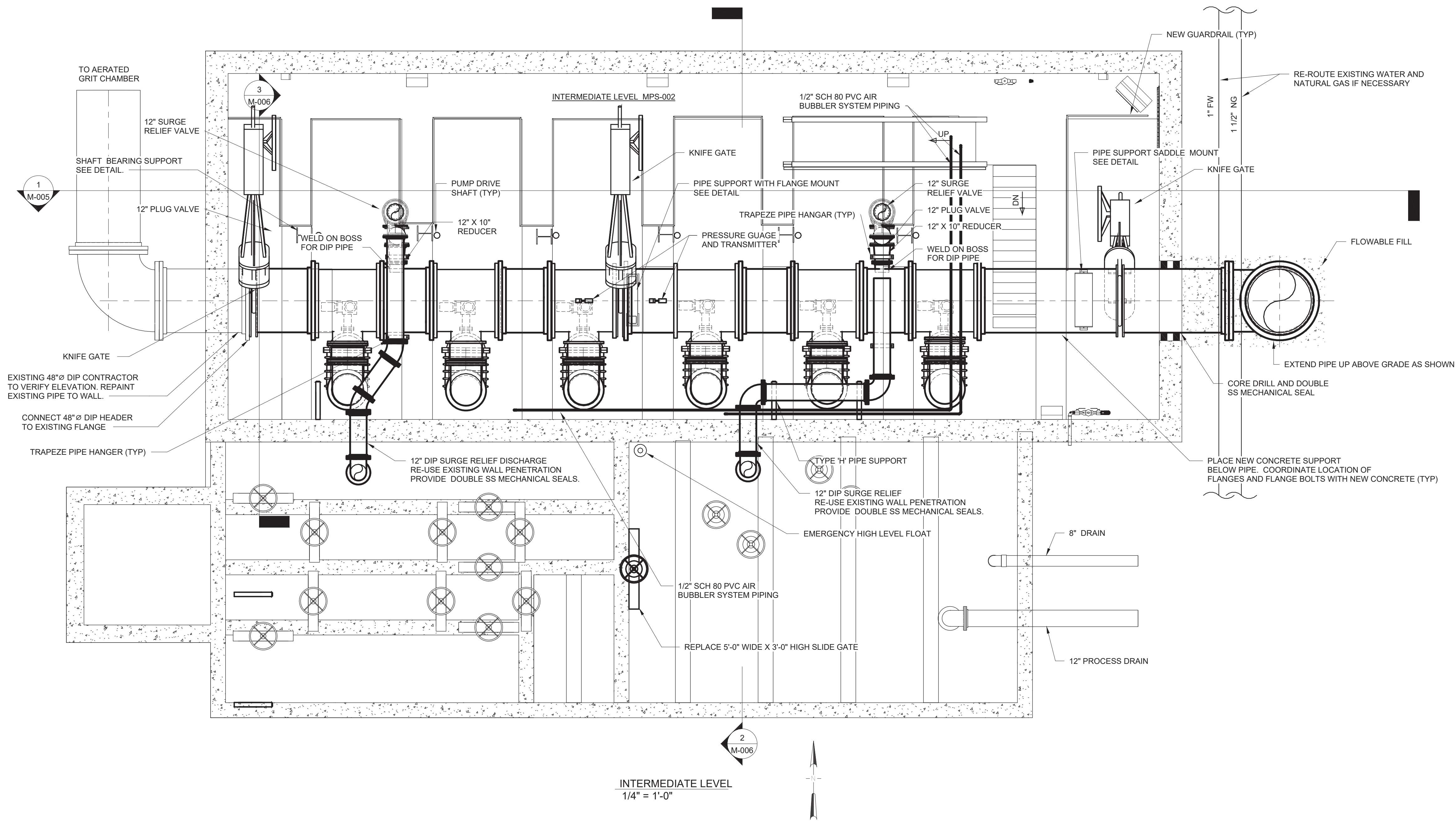


0000 Environmental Design & Research
Landscape Architectural Engineer No.
The following is prepared from the New York Education Law, Article 130, Section 130.1, which requires that all drawings be prepared by a professional engineer or architect, and that the professional engineer or architect be duly licensed and registered in the State of New York. The professional engineer or architect is responsible for the accuracy and completeness of the drawings, and for the proper use of the drawings. The professional engineer or architect is not responsible for the accuracy and completeness of the information provided to them by the client, or for the accuracy and completeness of the information provided to them by other professionals. The professional engineer or architect is not responsible for the accuracy and completeness of the information provided to them by the client, or for the accuracy and completeness of the information provided to them by other professionals. The professional engineer or architect is not responsible for the accuracy and completeness of the information provided to them by the client, or for the accuracy and completeness of the information provided to them by other professionals.

DRAWING REVISIONS		APPROVED	
NO.	DATE	REVISION	DATE
5			
4			
3	07/21	FOR CONSTRUCTION	M.J.L. MET
2	10/20	100 PERCENT DESIGN REVIEW	M.J.L. MET
1	04/20	60 PERCENT DESIGN REVIEW	M.J.L. MET

PROJECT TITLE: MAIN PUMP STATION UPGRADE		ORIGINAL SIZE ARCH D
CLIENT: ROCKLAND COUNTY SEWER DISTRICT NO 1		
DRAWING TITLE: PUMP STATION - LOWER LEVEL - PLAN		

DATE:	JULY 2021
SCALE:	1/4" = 1'-0"
DRAWN:	M.J.L.
CHECKED:	RRS
edr Job#:	19190
CONTRACT NO. RFB-RC-BWR-OP 2020-02	
DRAWING NUMBER: M-002	



DRAWING REVISIONS		APPROVED	
NO.	DATE	REVISION	
5			
4			
3	07/21	FOR CONSTRUCTION	M.J.L. MET
2	10/20	100 PERCENT DESIGN REVIEW	M.J.L. MET
1	04/20	60 PERCENT DESIGN REVIEW	M.J.L. MET

PROJECT TITLE: MAIN PUMP STATION UPGRADE		ORIGINAL SIZE ARCH D
CLIENT: ROCKLAND COUNTY SEWER DISTRICT NO 1		
DRAWING TITLE: PUMP STATION -INTERMEDIATE LEVEL PLAN		

DATE:	JULY 2021
SCALE:	1/4" = 1'-0"
DRAWN:	M.J.L.
CHECKED:	RRS
edr Job#:	19190
CONTRACT NO. RFB-RC-SWR-CIP 2020-02	
DRAWING NUMBER: M-003	



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DRAWING REVISION			DRAWN		APPROVED	
NO.	DATE	REVISION				
5						
4						
3	07/21	FOR CONSTRUCTION	MIL		MET	
2	10/20	100 PERCENT DESIGN REVIEW	MIL		MET	
1	04/20	60 PERCENT DESIGN REVIEW	MIL		MET	

PROJECT TITLE: **MAIN PUMP STATION UPGRADE**

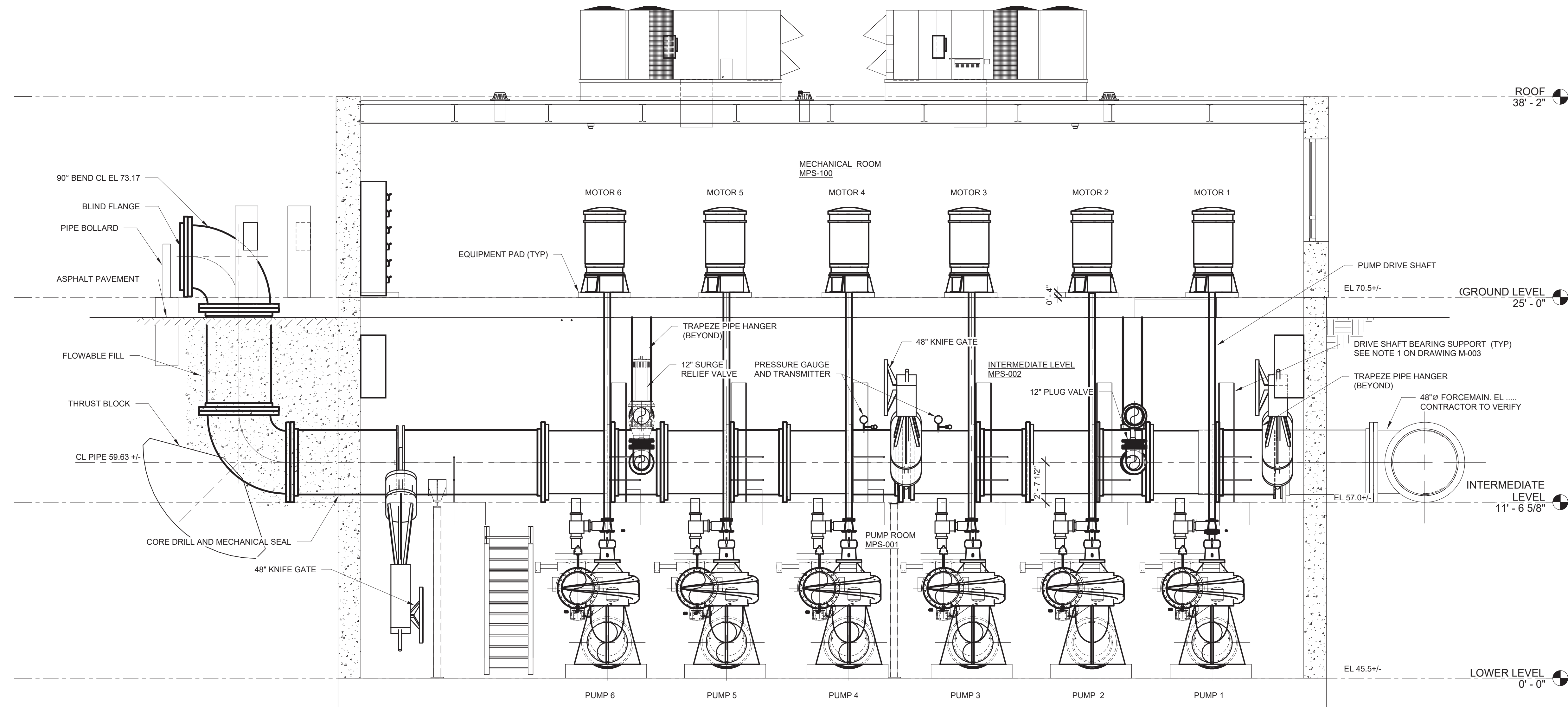
CLIENT: **ROCKLAND COUNTY SEWER DISTRICT NO 1**

DRAWING TITLE: **PUMP STATION - GROUND FLOOR- PLAN**

ORIGINAL SIZE

ARCH D

DATE:	JULY 2021
SCALE:	1/4" = 1'-0"
DRAWN:	MJL
CHECKED:	RRS
edr Job#:	19190
CONTRACT NO: RFB-RC-SWR-CIP 2020-02	
DRAWING NUMBER:	
M-004	



1 SECTION
M-005 1/4" = 1'-0"



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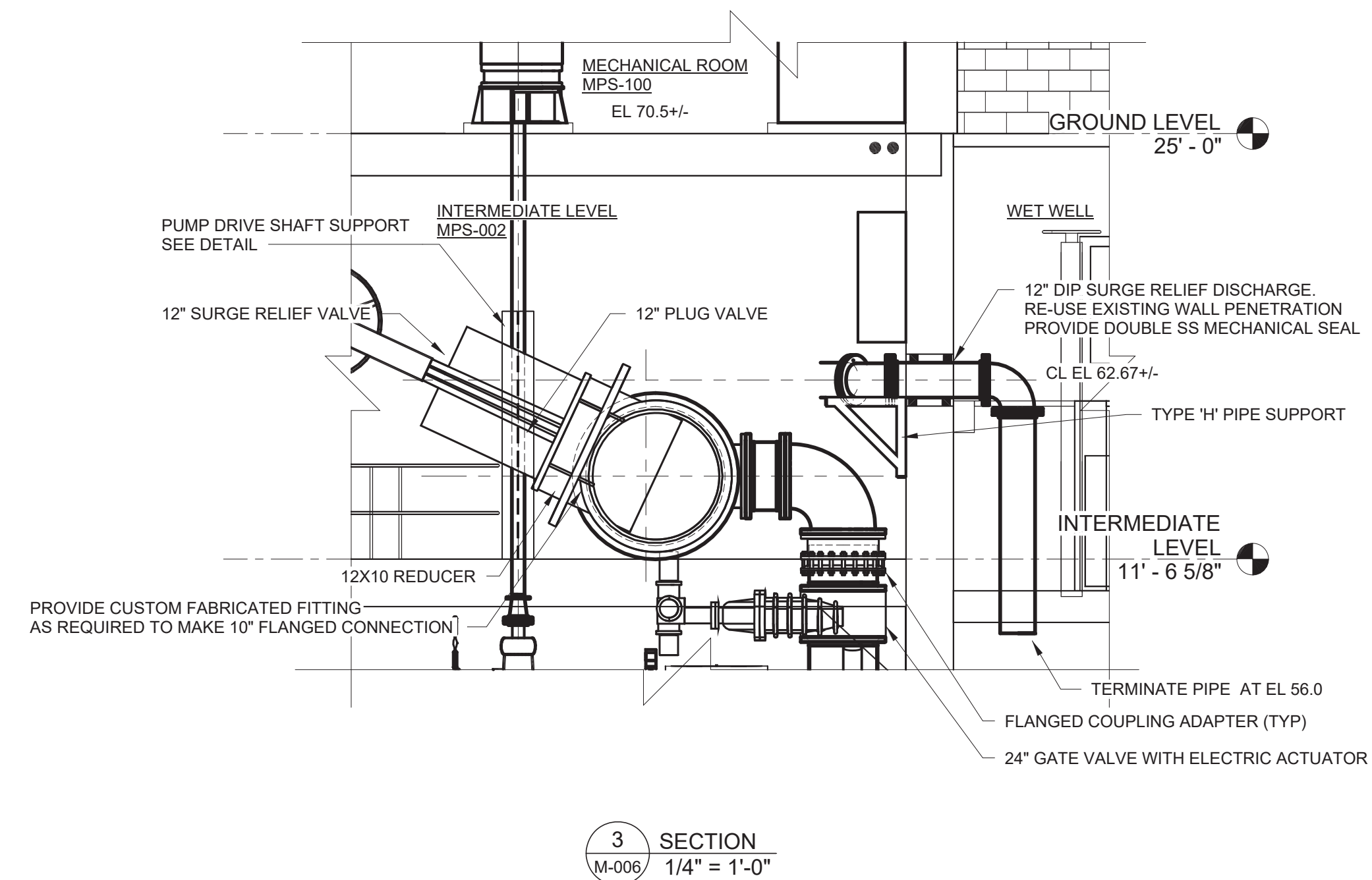
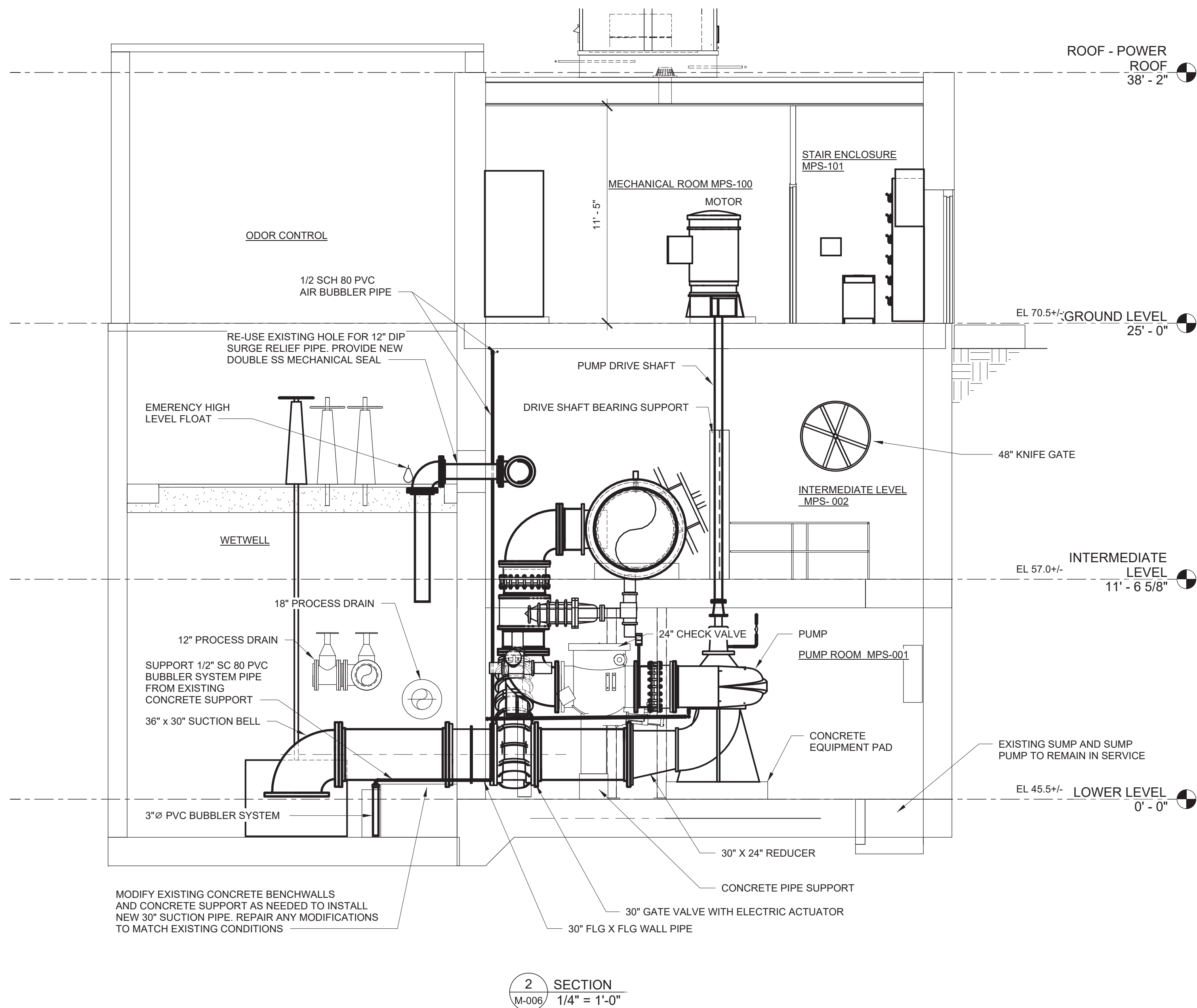


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DRAWING REVISIONS		DATE	REVISION	DESIGN	APPROVED
NO.	DATE	REVISION	DESIGN	APPROVED	
5					
4					
3	07/21	FOR CONSTRUCTION	MUL	MET	
2	10/20	100 PERCENT DESIGN REVIEW	MUL	MET	
1	04/20	60 PERCENT DESIGN REVIEW	MUL	MET	

PROJECT TITLE:	MAIN PUMP STATION UPGRADE
CLIENT:	ROCKLAND COUNTY SEWER DISTRICT NO 1
DRAWING TITLE:	PUMP STATION - SECTIONS
ORIGINAL SIZE	ARCH D

DATE:	JULY 2021
SCALE:	1/4" = 1'-0"
DRAWN:	MJL
CHECKED:	RRS
edr Job#:	19190
CONTRACT NO. RFB-RC-SWR-CIP 2020-02	
DRAWING NUMBER:	M-005



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NO.	DATE	REVISION	DRAWN	APPROVED
1				
2	10/20	100 PERCENT DESIGN REVIEW	MJL	MET
3	07/21	FOR CONSTRUCTION	MJL	MET
4				
5				

PROJECT TITLE:	MAIN PUMP STATION UPGRADE
CLIENT:	ROCKLAND COUNTY SEWER DISTRICT NO 1
DRAWING TITLE:	PUMP STATION - SECTIONS
ORIGINAL SIZE	ARCH D

DATE:	JULY 2021
SCALE:	1/4" = 1'-0"
DRAWN:	MJL
CHECKED:	RRS
ed Job#:	19190
CONTRACT NO. RFB-RC-SWR-CIP-2020-02	
DRAWING NUMBER:	M-006



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NO.	DATE	REVISION	DRAWN	APPROVED
5				
4				
3	07/20/21		JUL	MET
2	10/20/20	100 PERCENT DESIGN REVIEW	JUL	MEC
1	04/20/20	60 PERCENT DESIGN REVIEW	JUL	MEC

PROJECT TITLE:

CLIENT:

DRAWING TITLE:

MAIN PUMP STATION UPGRADE

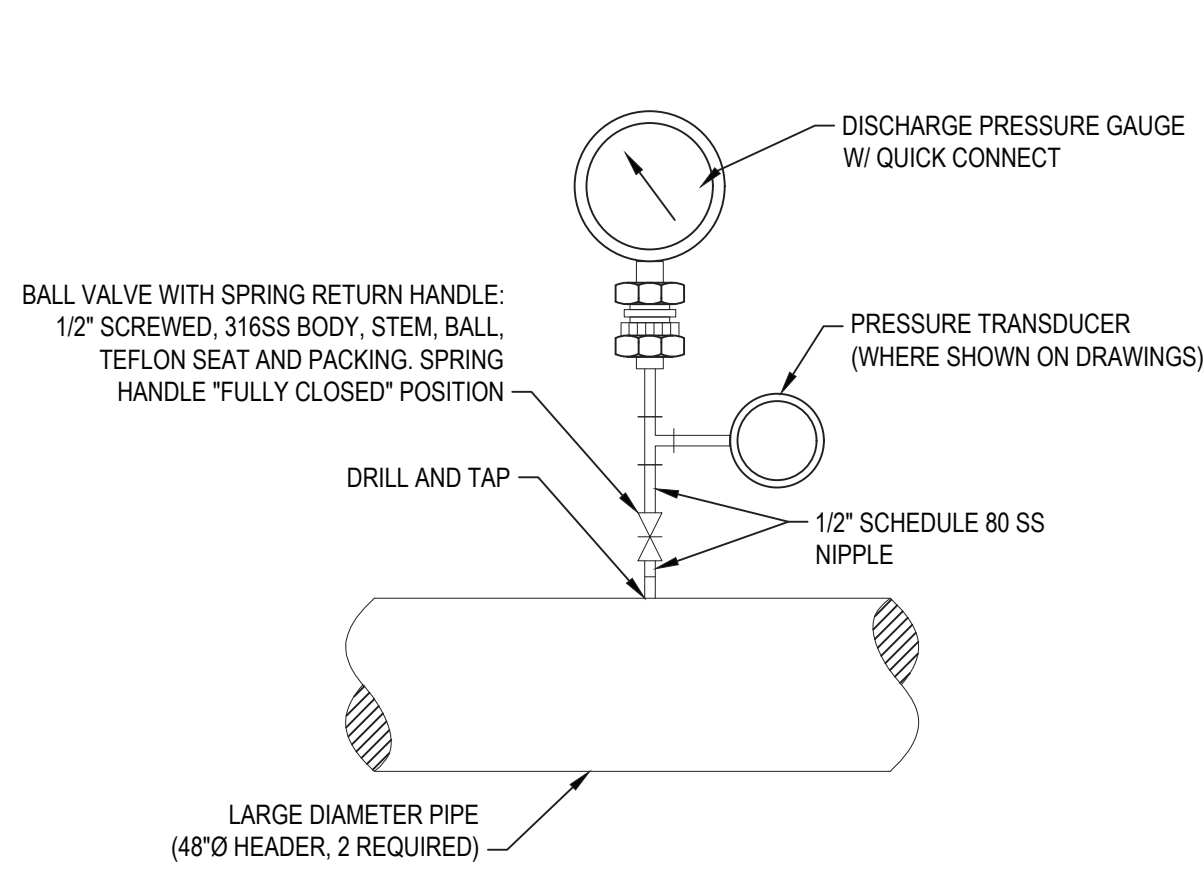
ROCKLAND COUNTY SEWER DISTRICT NO. 1

SCREENINGS BUILDING GATE REPLACEMENT
PLAN AND SECTION

ORIGINAL SIZE

ARCH D

DATE:	JULY 2021
SCALE:	AS NOTES
DRAWN:	MJL
CHECKED:	RRS
edr Job#:	19190
CONTRACT NO:	RFB-RC-SWR-CIP 2020-02
DRAWING NUMBER:	M-007

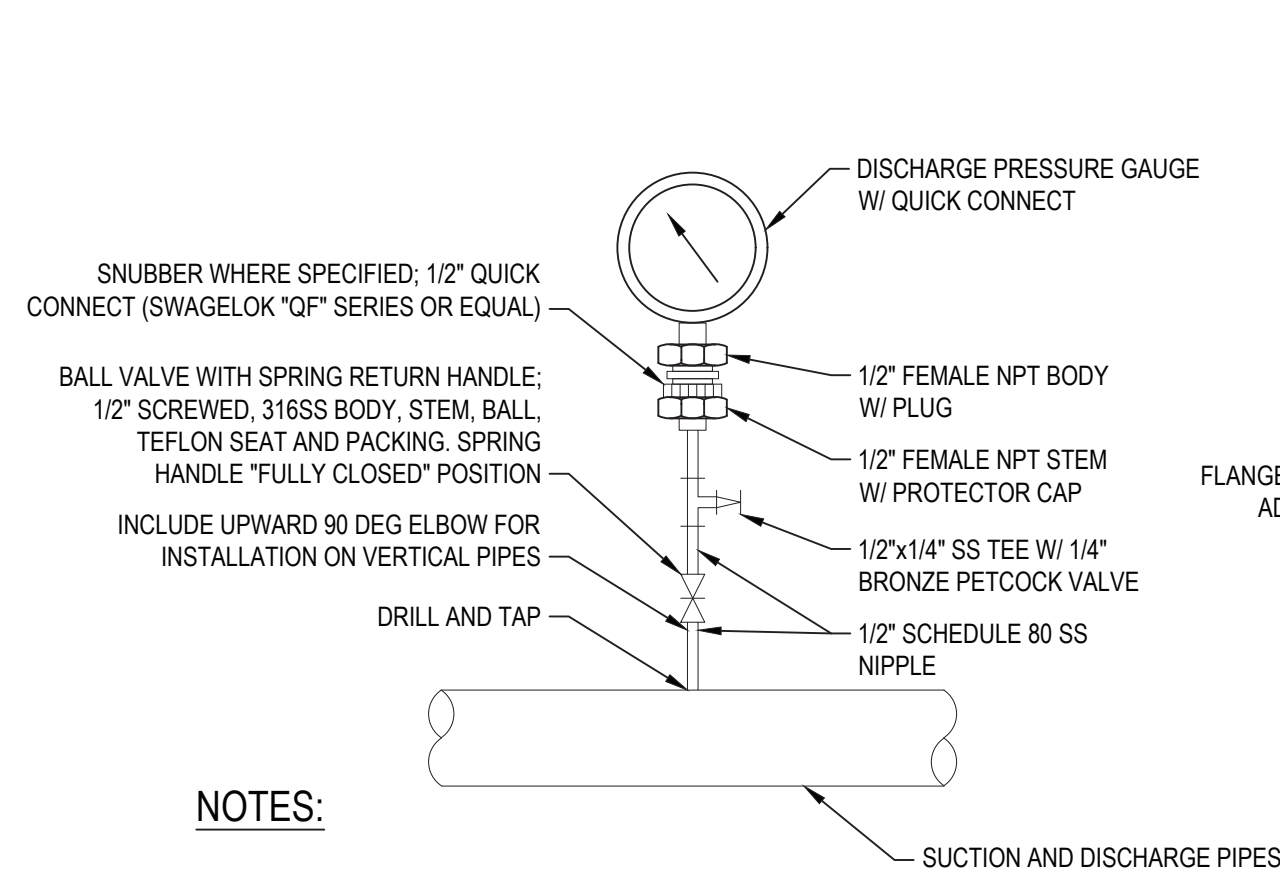


NOTES:

1. USE LOW VOLUME FITTINGS.
2. FOR USE ON LARGE DIAMETER PIPES

PRESSURE GAUGE - LIQUID SERVICE

NOT TO SCALE

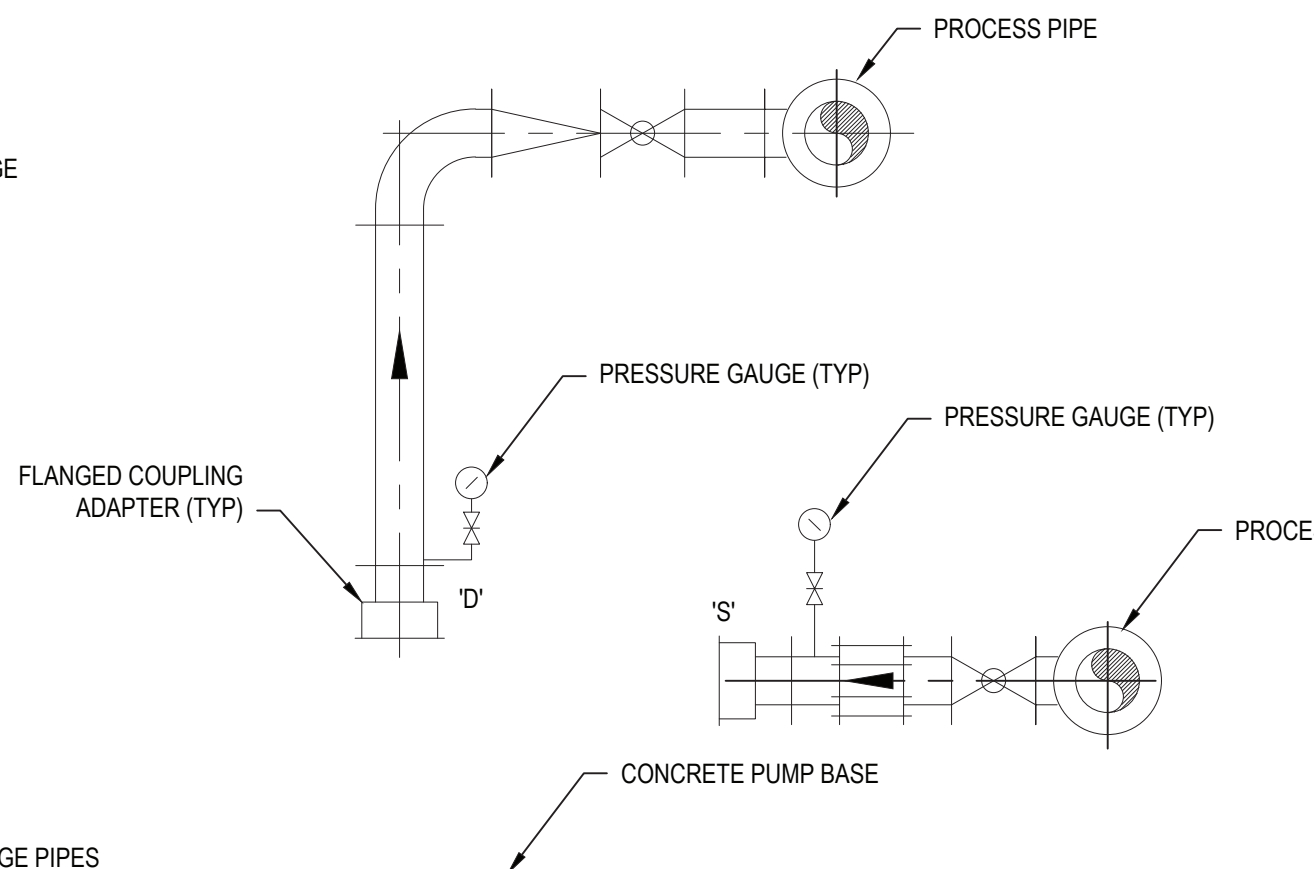


NOTES:

1. INSTALL AT CROWN OF HORIZONTAL PIPES.
2. INSTALLATION OF PRESSURE GAUGE SHOWN APPLIES TO HORIZONTAL OR VERTICAL PIPING ARRANGEMENTS.
3. USE LOW VOLUME FITTINGS.

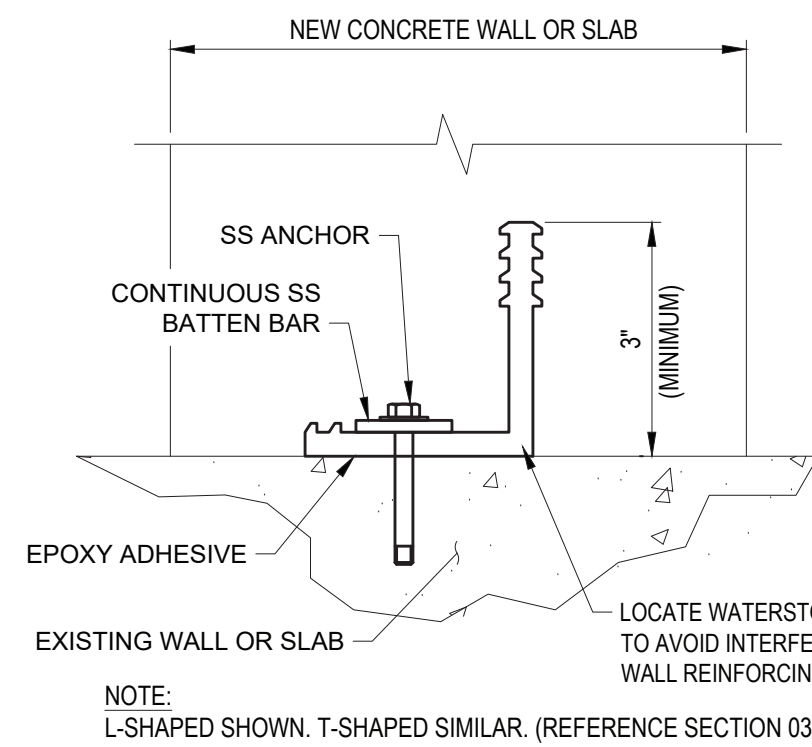
PRESSURE GAUGE - LIQUID SERVICE

NOT TO SCALE



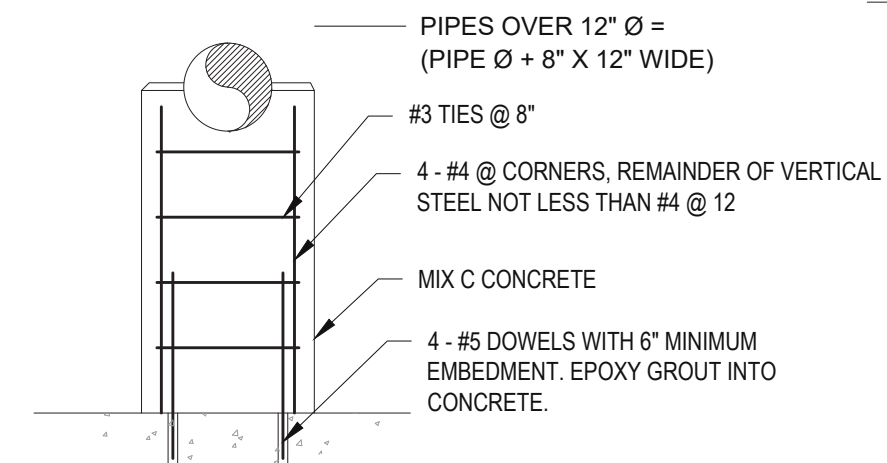
TYPICAL PRESSURE GAUGE LOCATION

NOT TO SCALE



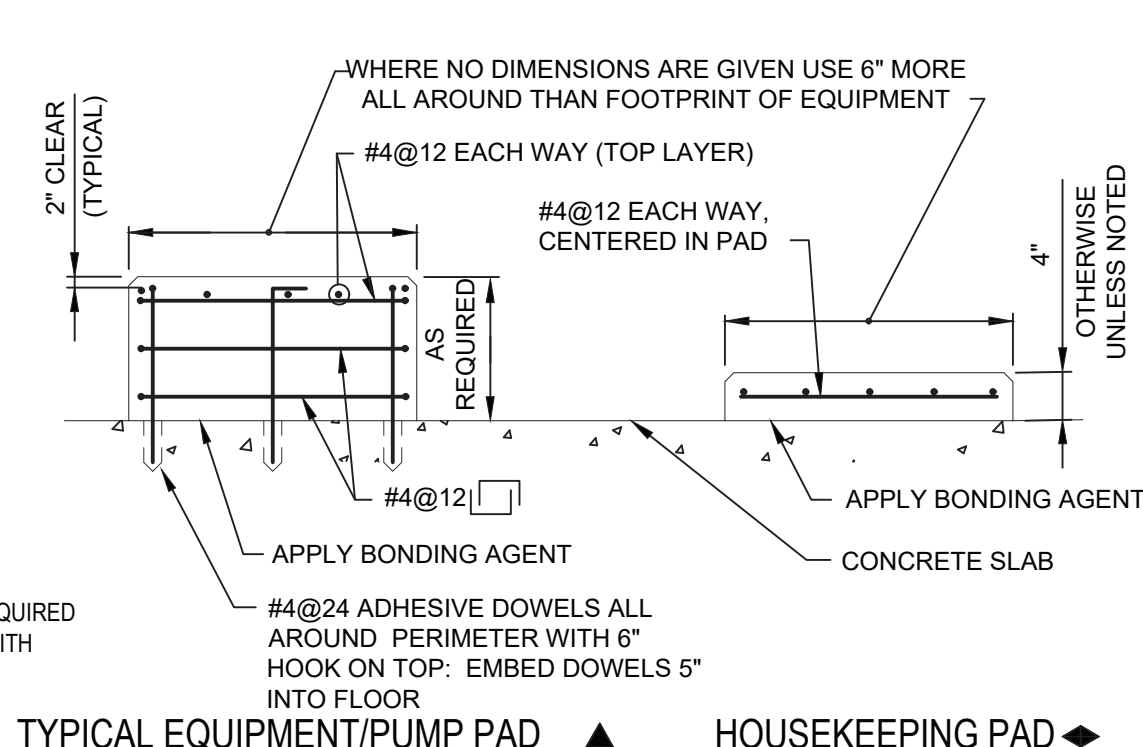
RETROFIT WATERSTOP SYSTEM

NOT TO SCALE



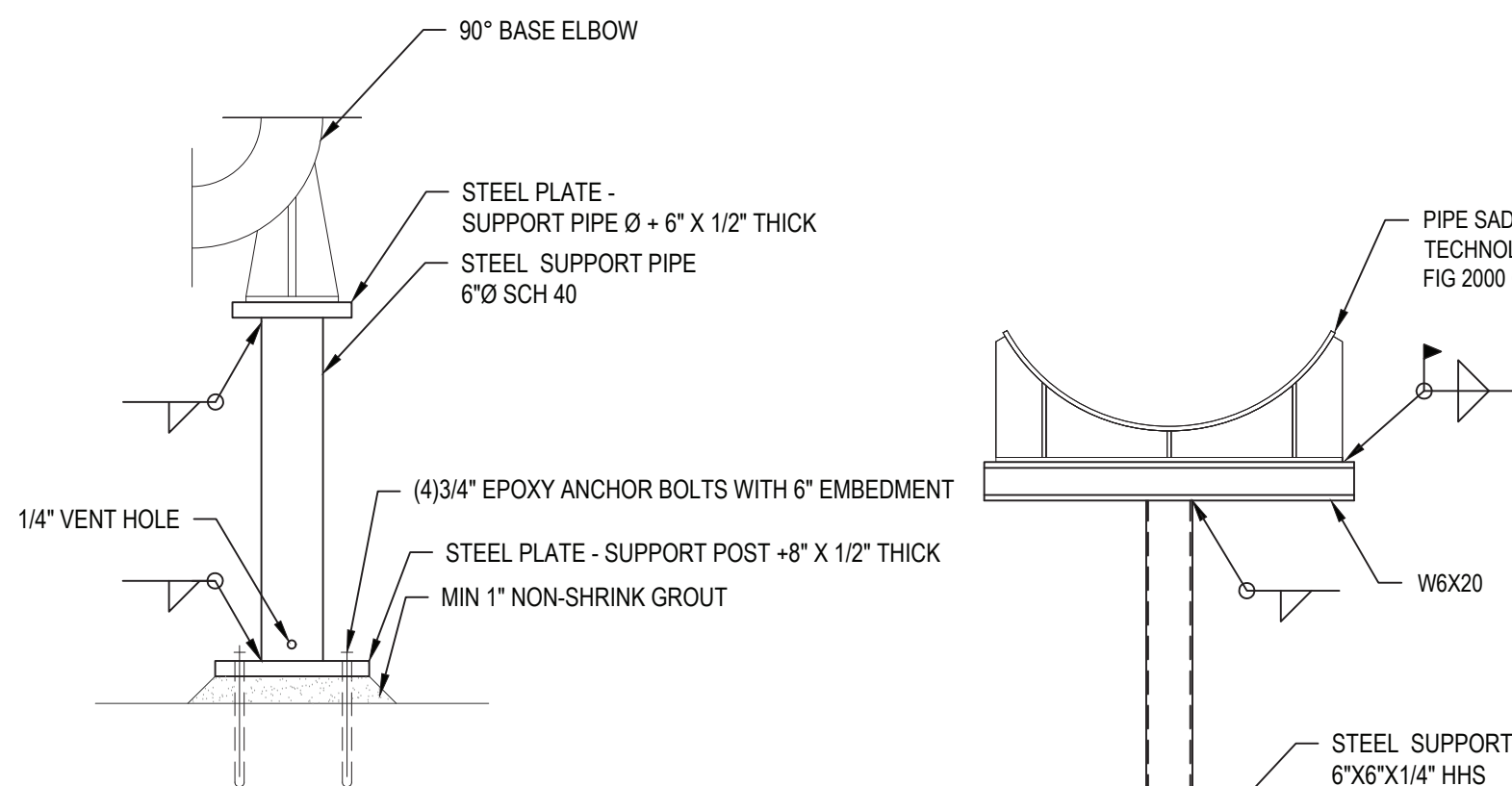
TYPE 'G' PIPE SUPPORT

NOT TO SCALE



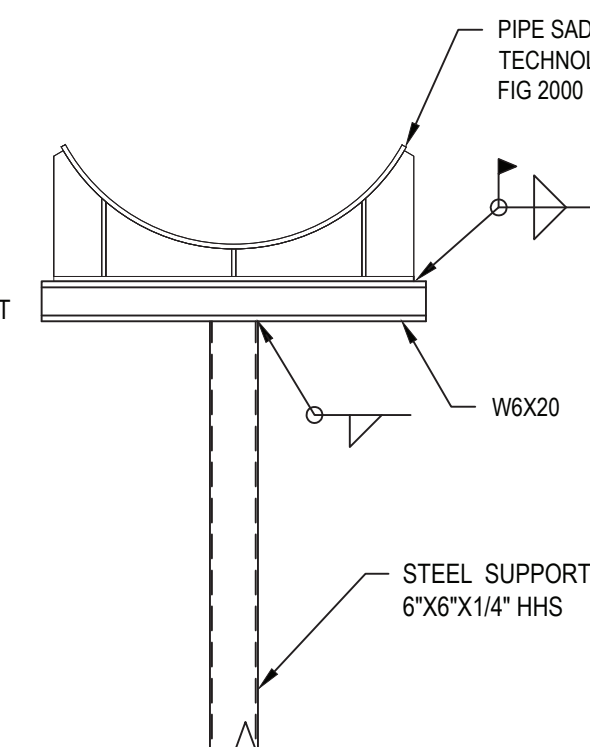
REINFORCEMENT FOR CONCRETE PADS

NOT TO SCALE



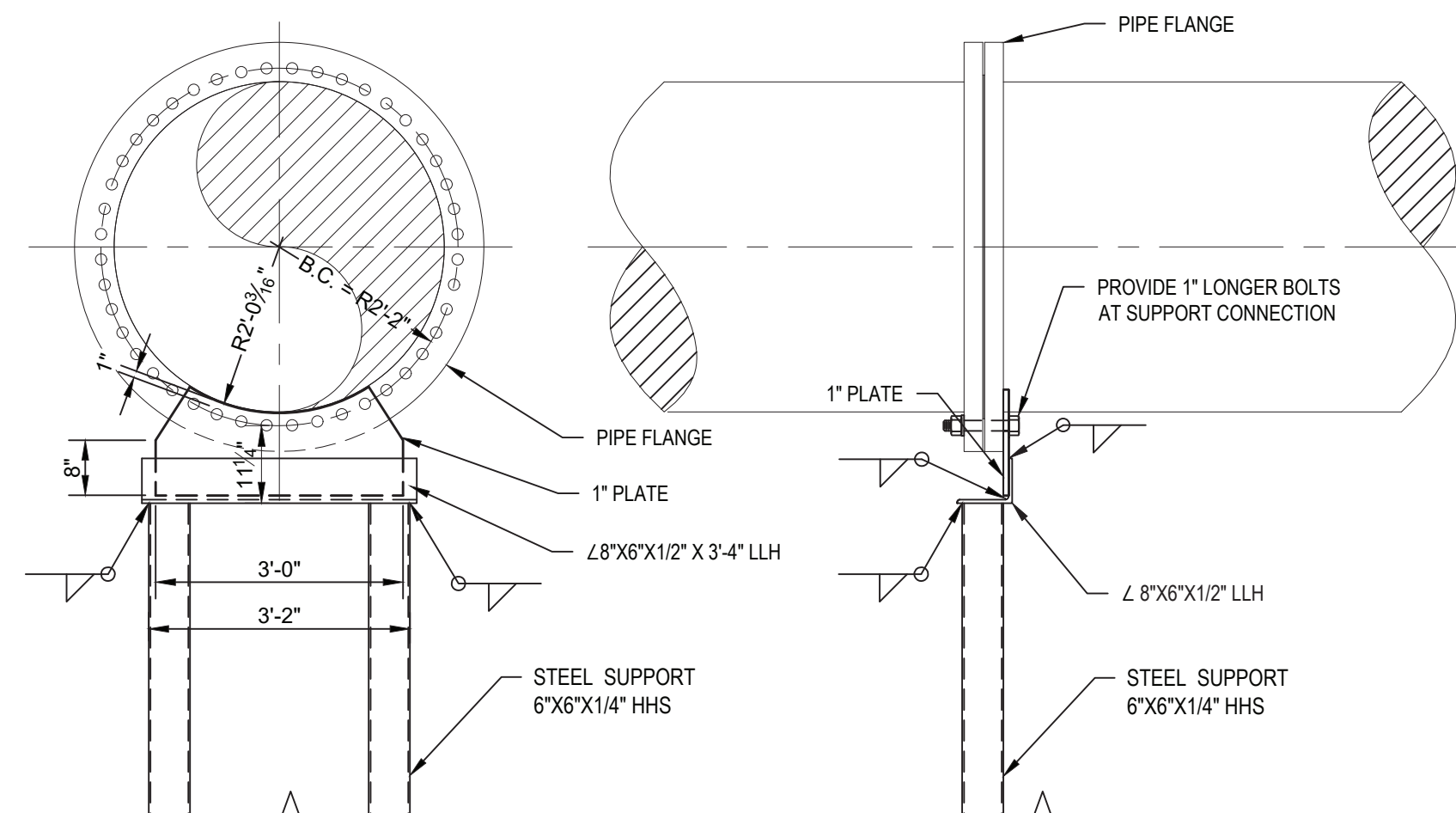
TYPE K PIPE SUPPORT DETAIL

NOT TO SCALE



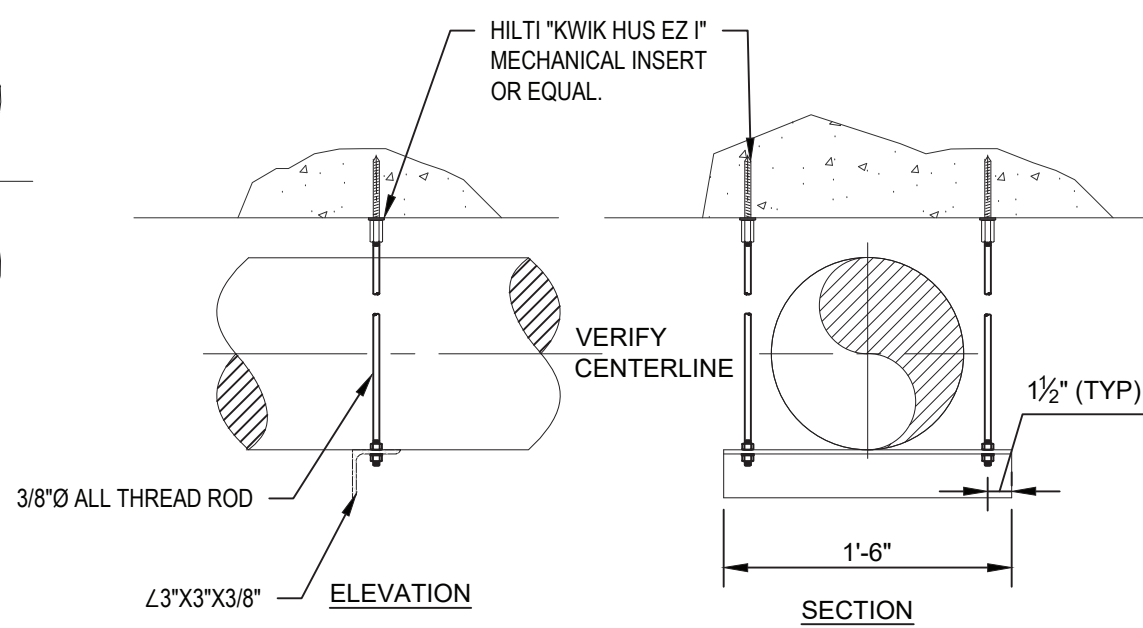
PIPE SADDLE

NOT TO SCALE



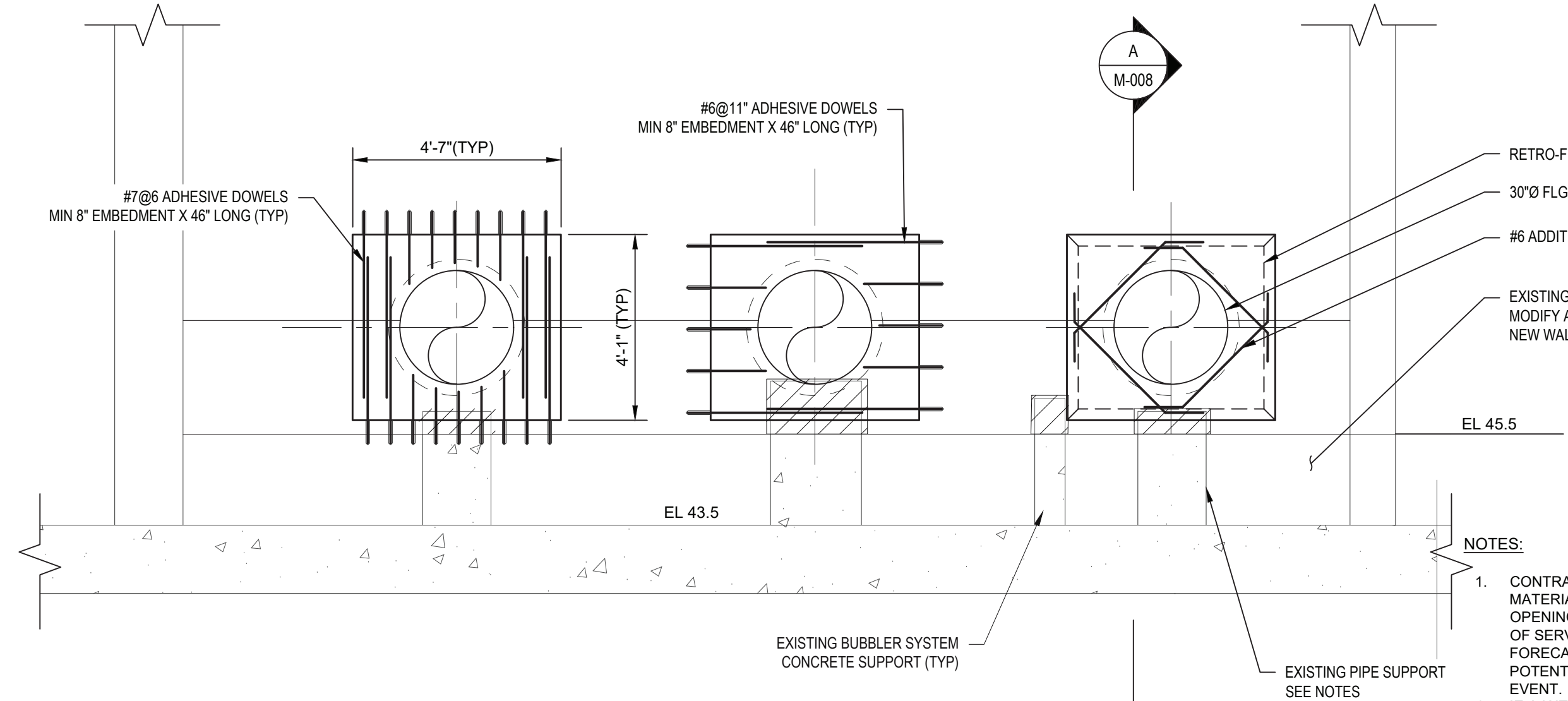
FLANGE CONNECTION

NOT TO SCALE



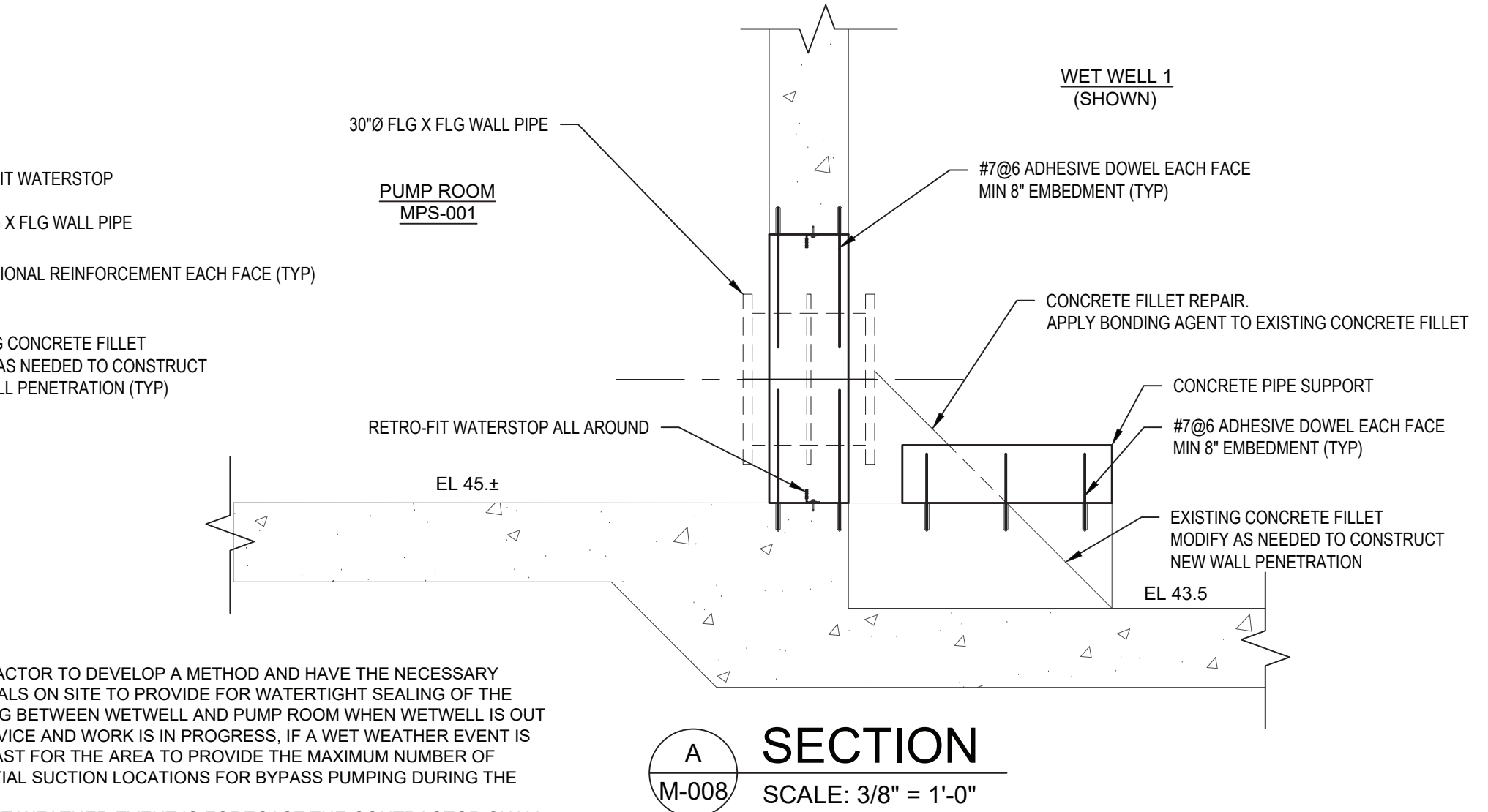
TRAPEZE PIPE HANGER

NOT TO SCALE



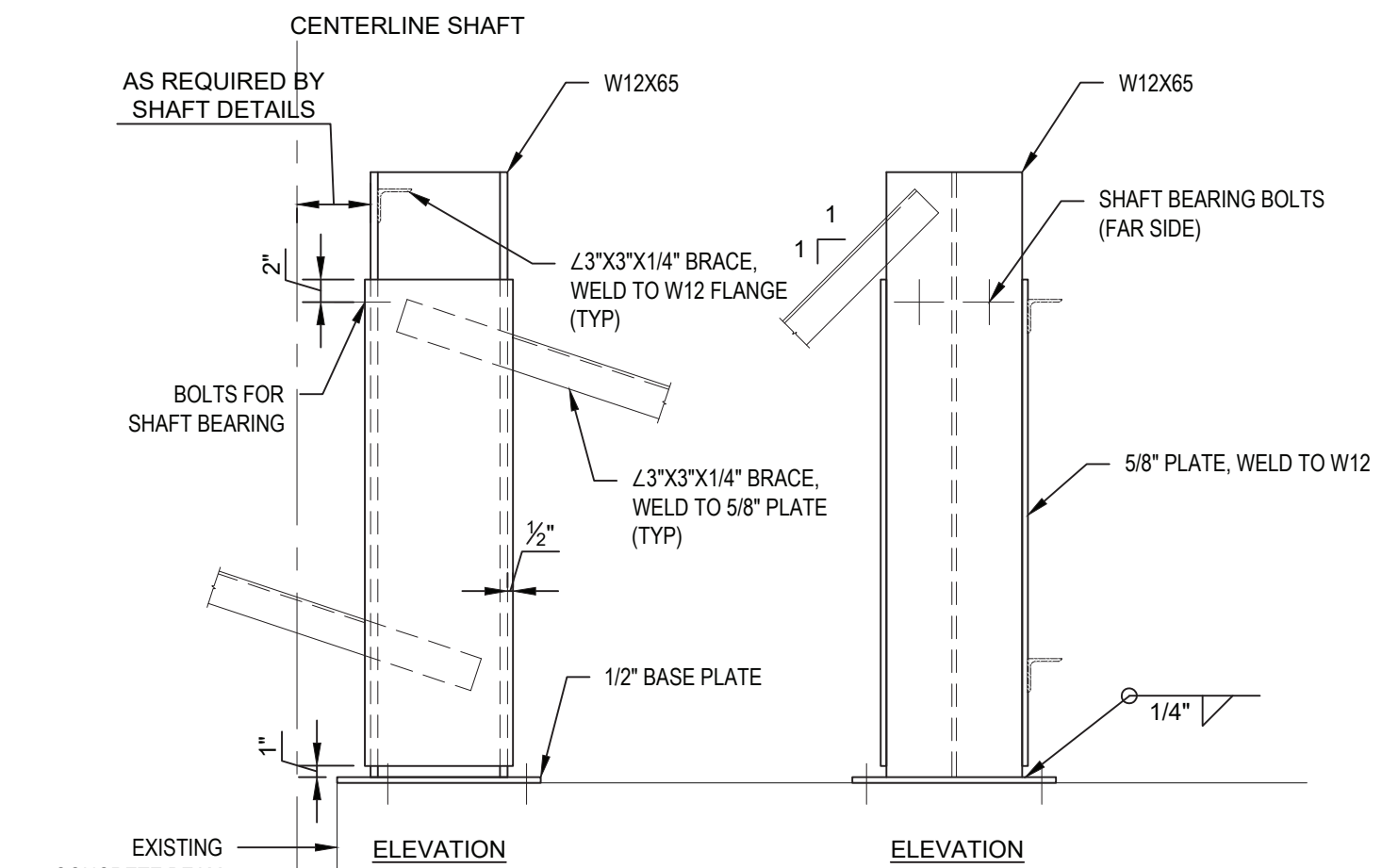
WALL PIPE INSTALLATION DETAIL

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



SECTION

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



- NOTES:
1. PROVIDE (4) 1" Ø ANCHOR BOLTS. DRILL NEW HOLES AVOIDING EXISTING BOLT LOCATIONS. PROVIDE MIN 6" EMBEDMENT.

TYPICAL BEARING SUPPORT DETAIL

NOT TO SCALE



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NO.	DATE	REVISION	DRAWN	APPROVED	MET	MEC
5						
4						
3	07/2021	FOR CONSTRUCTION	M.L.	M.L.	M.L.	M.L.
2	10/2020	100 PERCENT DESIGN REVIEW				
1	04/2020	60 PERCENT DESIGN REVIEW				

PROJECT TITLE:	MAIN PUMP STATION UPGRADE
CLIENT:	ROCKLAND COUNTY SEWER DISTRICT NO. 1
DRAWING TITLE:	MISCELLANEOUS DETAILS
ORIGINAL SIZE	ARCH D

DATE:	JULY 2021
SCALE:	AS NOTED
DRAWN:	MJL
CHECKED:	RRS
DATE:	10/19/20
CONTRACT NO:	RFB-RC-SWR-CIP 20B-02
DRAWING NUMBER:	M-008