

SCALE : 1'' = 1'-0''

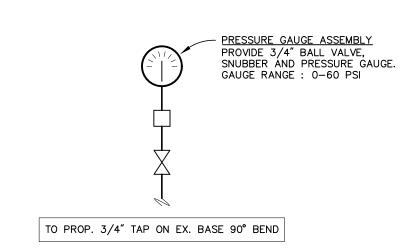
REMOVAL LEGEND

CONTRACTOR TO REMOVE ALL COMPONENTS IDENTIFIED.

SUGGESTED CONSTRUCTION SEQUENCING

- COORDINATE WITH OWNER TO BEGIN WORK DURING LOW FLOW PERIODS.
- COORDINATE WITH OWNER TO HAVE VALVE B-23-2 CLOSED, ISOLATING WWP No. 2 AND WWP No. 3 FROM WWP No. 1. WWP No. 1 WILL BE UTILIZED FOR WASHING THE NORTH FILTERS. SOUTH FILTERS WILL BE OFFLINE.
- COORDINATE WITH OWNER TO DRAIN WASHWATER HEADER VIA AVAILABLE TAPS AND/OR LOOSENING FITTINGS ON WWP No. 3 DISCHARGE PIPING.
- INSTALL PROP. BUTTERFLY VALVE, SWABBED WITH CHLORINE SOLUTION PRIOR TO INSTALLATION. COORDINATE WITH OWNER TO RETURN WASHWATER HEADER TO SERVICE WITH PROPOSED VALVE
- COMPLETE REMAINING DEMOLITION, CONSTRUCTION, AND PAINTING WORK ON WWP No. 3 DISCHARGE PIPING AS SHOWN. ALL PIPING AND FITTINGS INSTALLED SHALL BE SWABBED WITH CHLORINE SOLUTION PRIOR TO INSTALLATION.
- 6. COMPLETE DISINFECTION AND SAMPLING PER SPECIFICATIONS.
- COORDINATE WITH OWNER TO OPERATE WWP No. 3 ON A BACKWASH CYCLE, PERFORM VISUAL HYDROSTATIC TEST ON INSTALLED PIPING.

VALVE SCHEDULE									
No.	o. QTY. SIZE TYPE		TYPE	FUNCTION	CONTROL	REMARKS			
101	1	16	WAFER CHECK	WWP DISCHARGE CHECK	-	-			
102	1	20	B'FLY	WWP DISCHARGE ISOLATION	HANDWHEEL	_			
103	2	18	FOOT VALVE	WWP SUCTION PIPING FOOT VALVE	-	IMMERSION SERVICE, PROVIDE IF SUCTION PIPING ALTERNATE No. 2 IS TAKEN			



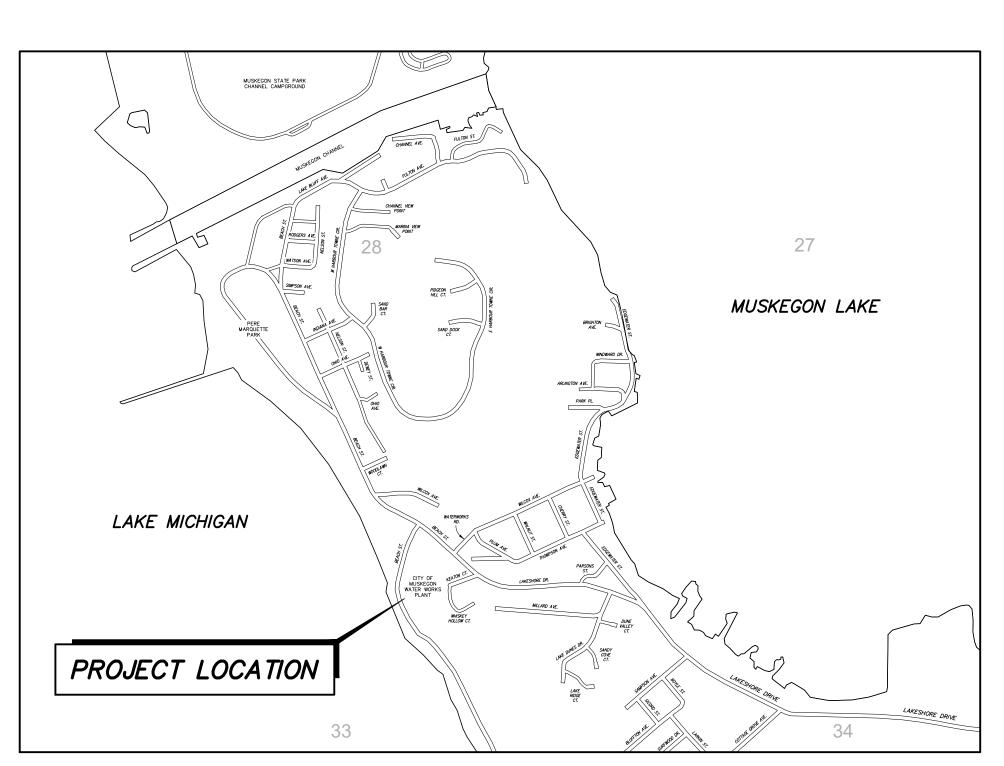
PRESSURE GAUGE ASSEMBLY

SCALE : NONE NOTE

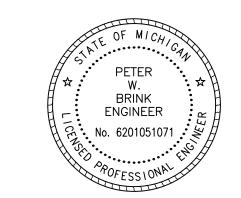
PROVIDE 3/4" TAP, STAINLESS STEEL (S.S.) PIPING AND 3/4" S.S. BALL VALVE FOR THE PRESSURE GAUGE ASSEMBLY CONNECTION. ALL WETTED MATERIALS SHALL BE NSF 61 CERTIFIED FOR USE WITH DRINKING WATER.

SCALE : 1'' = 1'-0''NOTES

. CONTRACTOR SHALL FIELD VERIFY SMALL DIAMETER PIPING DIMENSIONS AND PROVIDE PIPING AND FITTINGS TO MATCH EXISTING SIZE. 2. CONTRACTOR SHALL FIELD VERIFY ALL INSTALLATION REQUIREMENTS PRIOR TO DEMOLITION.







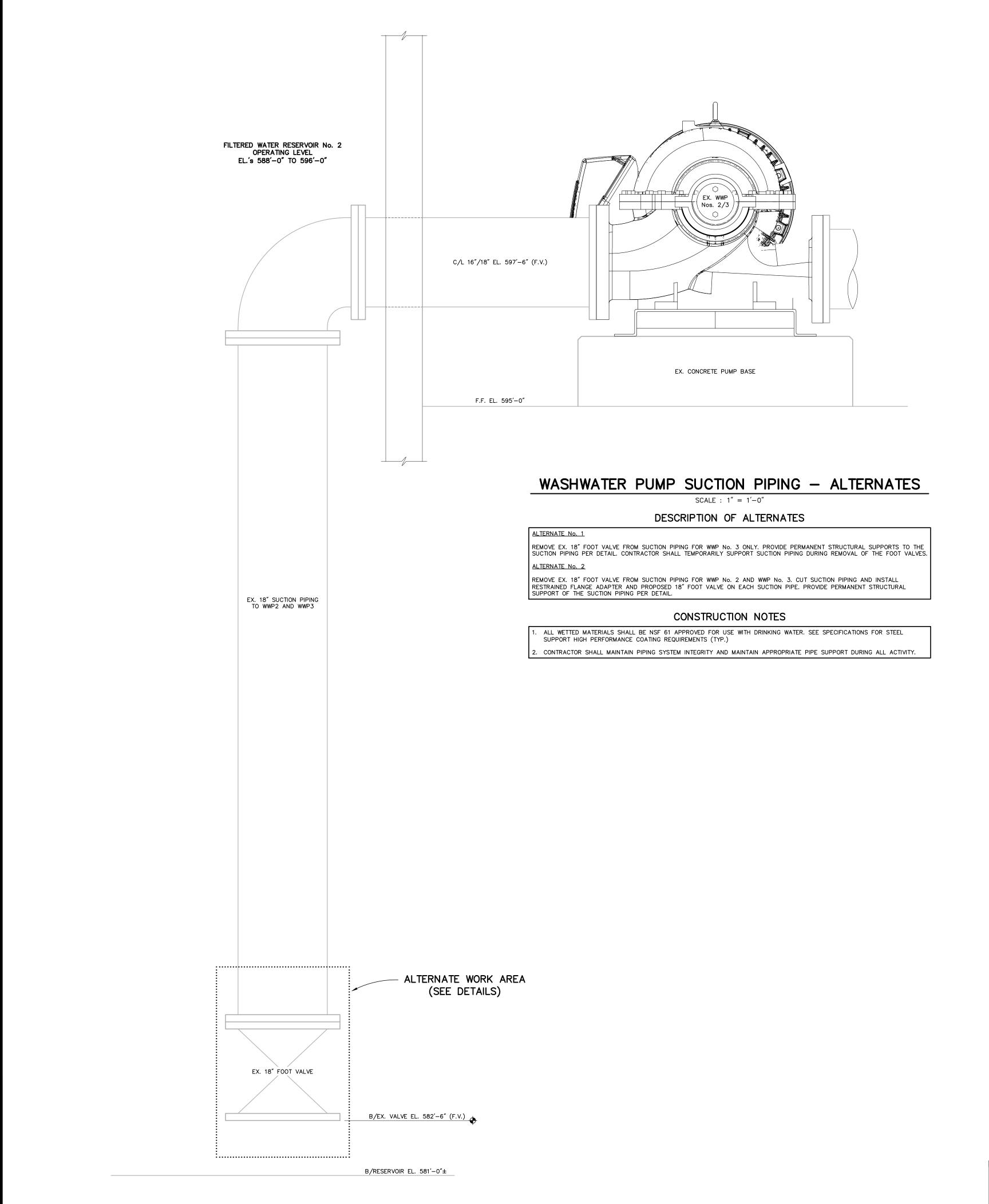
								i			
DRAWN	DATE	BY		N	0	1	S	V I	Ε	R	NO.
SMYTH											
DATE MAR. '23											
MAR. '23											
CHECKED											
P.W.B.											
DATE MAR. '24											
MAR. '24			·								

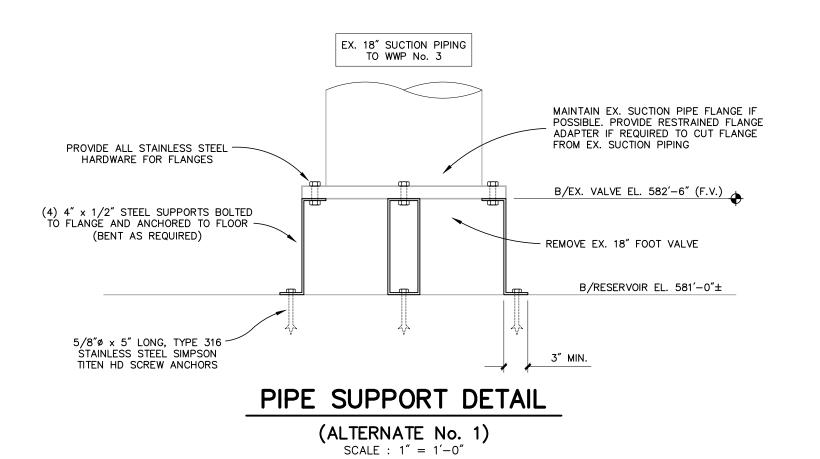
f	
tory	

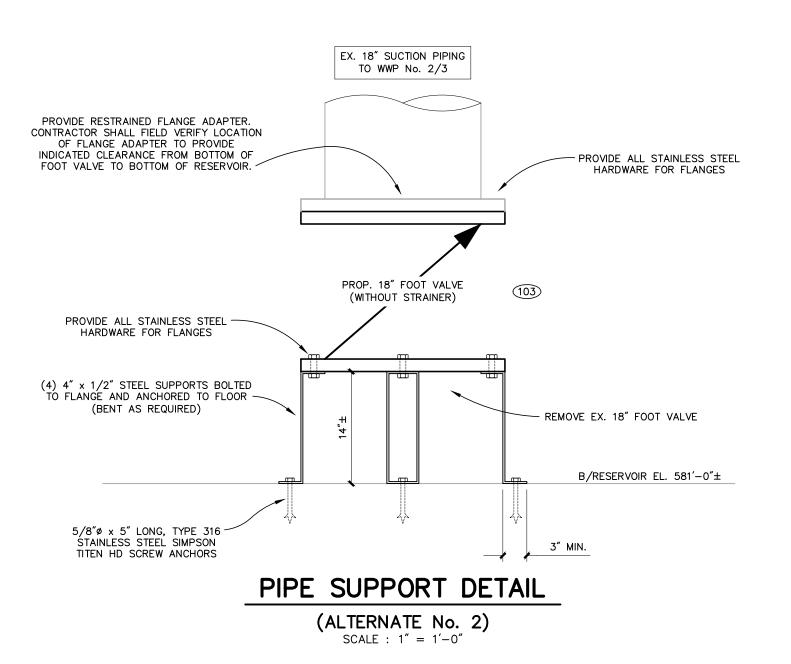
CITY OF MUSKEGON MUSKEGON COUNTY, MICHIGAN								
WATER FILTRATION PLANT IMPROVEMENTS								
WASHWATER PUMP CHECK VALVE ADDITION								

2230492 SHEET NO. of **2**

PROJECT NO.







SUCTION PIPING ALTERNATES

NO.	REVISIONS	BY	DATE	DRAWN	
				SMYTH	
				DATE	
				MAR. '23	
				CHECKED	
				P.W.B.	
				DATE	
				MAR. '24	

Prein&Newhof
Engineers-Surveyors-Environmental-Laboratory

CITY OF MUSKEGON
MUSKEGON COUNTY, MICHIGAN

WATER FILTRATION PLANT IMPROVEMENTS

WASHWATER PUMP CHECK VALVE ADDITION

2230492 SHEET NO.

PROJECT NO.

2 of **2**