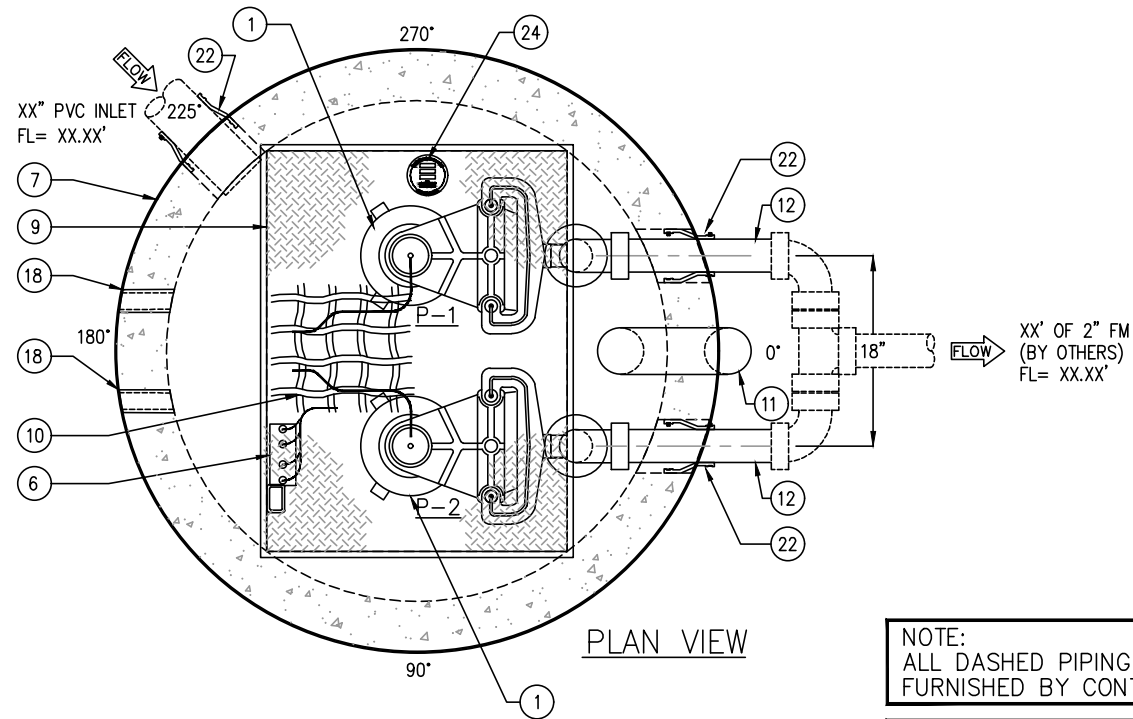
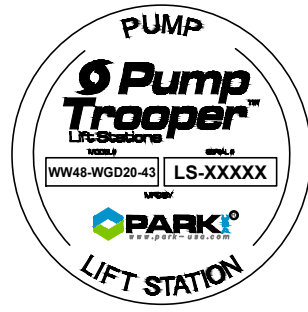


STATION OPERATION LEVELS		
RISING LEVEL CYCLE		
WATER LEVEL ELEVATION	ACTION	PUMPS IN OPERATION
XX.XX'	LEAD PUMP TURNS "ON", FS-2	LEAD PUMP "ON"
XX.XX'	LAG PUMP TURNS "ON", FS-3	LEAD & LAG PUMPS "ON"
XX.XX'	HIGH WATER "ALARM" LEVEL, FS-4	ALARM "ON"/PUMPS "OFF"
FALLING LEVEL CYCLE		
XX.XX'	HIGH WATER ALARM, FS-4	ALARM "OFF"/ PUMPS "ON"
XX.XX'	PUMPS "OFF" LEVEL, FS-1	ALL PUMPS "OFF" LAG PUMP SWITCHES TO LEAD PUMP



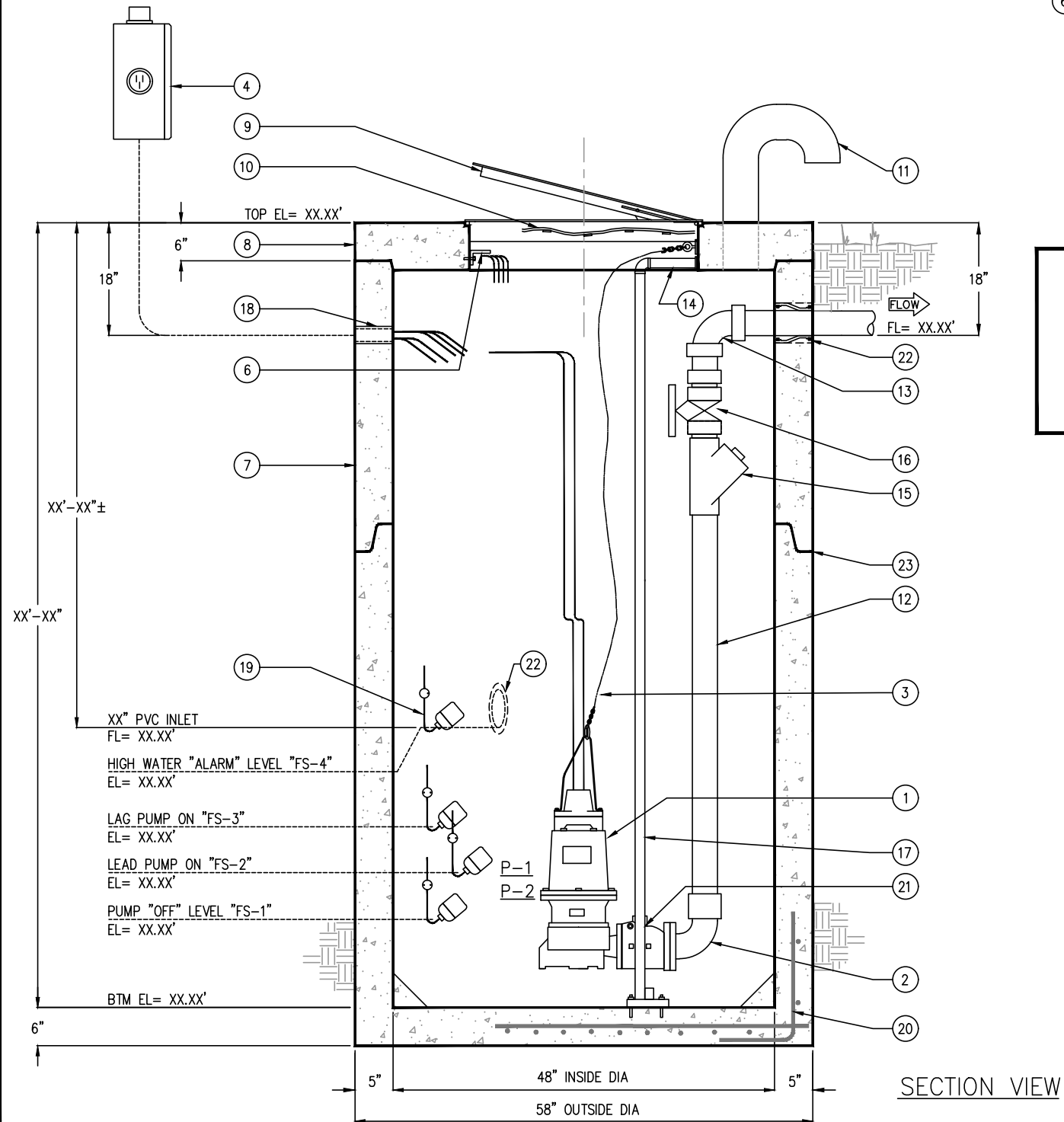
DRAWING NOT FOR SUBMITTAL.  
CONTACT PARKUSA FOR LIFT  
STATION DESIGN ASSISTANCE.

NOTE:  
ALL DASHED PIPING TO BE  
FURNISHED BY CONTRACTOR

NOTE:  
VERIFY ALL INLET/OUTLET  
ORIENTATIONS PRIOR TO  
FABRICATION

NOTE:  
VERIFY ALL ELEVATIONS  
PRIOR TO FABRICATION

KEYED NOTES		
MARK	QTY	DESCRIPTION
1	2	1 1/4" SUBMERSIBLE PUMP
2	2	1-1/4" X 2" BASE ELBOW
3	2	STAINLESS STEEL CHAINS
4	1	DUPLEX CONTROL PANEL NEMA 4X W/ GENERATOR RECEPTACLE (MOUNTED & WIRED BY CONTRACTOR)
5	1	
6	1	SS CABLE BRACKET
7	1	48" DIA x XX'-XX" DEEP CONCRETE WET WELL
8	1	6" THK FLAT CONCRETE TOP
9	1	30"x36" SINGLE LEAF ALUMINUM HATCHWAY
10	1	SAFETY NET
11	1	4" GALVANIZED VENT
12	2	2" SCH 80 PVC DISCHARGE PIPE
13	2	2" SCH 80 PVC 90° ELL
14	2	SS UPPER GUIDE BRACKETS
15	2	2" PVC BALL CHECK VALVE
16	2	2" PVC BALL VALVE w/ UNIONS
17	4	SS GUIDE RAILS
18	2	3" ELECTRICAL COUPLING
19	4	FLOAT SWITCH
20	-	REBAR AS REQ'D
21	2	LIFT-OUT ASSEMBLY
22	3	RESILIENT RUBBER BOOT
23	-	ALL JOINTS MADE WATER-TIGHT w/ PLASTIC FLEXIBLE GASKET (RAM-NEK)
24	1	NAMEPLATE INDICATING: MFG: PARKUSA 888-611-PARK www.PARKUSA.com MODEL: WW48-WGD20-31-2-8.5-43 DATE MANUFACTURED



MODEL NUMBER: ParkUSA 888-611-PARK, www.PARKUSA.com WW48-WGD20-31-2-8.5-43	
WET WELL SIZE (ID)	POWER CHARACTERISTICS
48 - 48" DIA	43 - 460V/3PH/60Hz
60 - 60" DIA	23 - 230V/3PH/60Hz
72 - 72" DIA	21 - 230V/1PH/60Hz
96 - 96" DIA	03 - 208V/3PH/60Hz
	01 - 208V/1PH/60Hz
PUMP CONFIGURATION	PUMP HEAD CAPACITY (TDH)
S - SIMPLEX	10 - 10' TDH
D - DUPLEX	20 - 20' TDH
	ETC...
GRINDER PUMP SIZE	PUMP DISCHARGE SIZE
01 - 1.0 HP	3 - 3"
20 - 2.0 HP	4 - 4"
30 - 3.0 HP	6 - 6"
50 - 5.0 HP	8 - 8"
FLOW RATE CAPACITY (GPM)	
100 - 100 GPM	
200 - 200 GPM	
ETC...	

**SPECIFICATION**  
CONCRETE:  
CLASS 1/II CEMENT WITH DESIGN STRENGTH OF 4500 PSI AT 28 DAYS.  
UNIT IS OF MONOLITHIC CONSTRUCTION AT FLOOR, FIRST STAGE OF  
WALL AND BAFFLE WITH SECTIONAL RISER TO REQUIRED DEPTH.

**REINFORCEMENT:**  
GRADE 60 REINFORCED WITH STEEL REBAR CONFORMING TO ASTM  
A615 ON REQUIRED CENTERS OR EQUAL.

**ALUMINUM HATCH:**  
300 PSF RATED, 1/4" ALUMINUM SKID-RESISTANT FLOOR PLATE,  
STAINLESS STEEL TAMPERPROOF BOLTING, HINGES & SLAMLOCK.

**PUMPS:**  
PUMPS SHALL BE CENTRIFUGAL TYPE WITH INTEGRAL NON CLOG UNIT  
& SUBMERSIBLE TYPE MOTOR. PUMPS SHALL HAVE A CAPACITY AS  
FOLLOWS:

PUMP No.	TYPE	ELECTRICAL						
		GPM	TDH	RPM	HP	V	PH	Hz
P-1	GRINDER	31	8.5'	3450	2	460	3	60
P-2	GRINDER	31	8.5'	3450	2	460	3	60

**CONTROLS:**  
PUMP CONTROLS SHALL BE MOUNTED INSIDE A UL LISTED NEMA-4X  
ENCLOSURE AND INCLUDE CIRCUIT BREAKERS, ALARM CIRCUIT FUSE,  
IEC RATED MOTOR STARTER, PUMP HOA, AND ALTERNATOR RELAY.  
PANEL SHALL HAVE A VISUAL ALARM BEACON. PANEL IS DESIGNED  
FOR REMOTE MOUNTING.

**ENGINEERING DATA**  
FIELD EXCAVATION & PREPARATION SHALL BE COMPLETED PRIOR TO  
DELIVERY OF ASSEMBLY. USE DIMENSIONAL DATA AS SHOWN. ALL PIPE,  
VALVES AND FITTINGS OF THE ASSEMBLY ARE APPROVED BY ONE OF  
THE FOLLOWING ASSOCIATIONS:  
ARE APPROVED BY ONE OF THE FOLLOWING ASSOCIATIONS:



REV	DATE	BY	DESCRIPTION
A	.	.	.

PROJECT: .  
CUSTOMER: .  
ENGINEER: .  
ORDER #: . PROJ #: .  
DATE: . LOCATION: .



SANITARY SEWER LIFT STATION SUBMERSIBLE GRINDER PUMP STATION				
PM	PC	DRN	ENG	DWG. NO.
.	.	.	.	WW48-WGD20-43
DATE	10/22			

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