

## SPECIFICATIONS

CONCRETE:  
CLASS 1/11 CONCRETE 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. (H-20 RATING OPTIONAL)

PUMPS:  
PUMPS SHALL BE MULTI-STAGE TYPE WITH SUBMERSIBLE TYPE MOTOR. PUMPS SHALL HAVE A CAPACITY AS FOLLOWS:

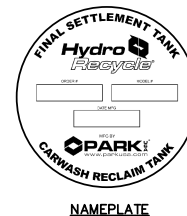
PUMP No.	TYPE	GPM	PSI	RPM	HP	ELECTRICAL V	PH	Hz
IP-1	X	X	X	X	X	X	X	X
IP-2	X	X	X	X	X	X	X	X

## CONTROLS:

PUMP CONTROLS SHALL BE MOUNTED INSIDE A UL LISTED NEMA-4X ENCLOSURE AND INCLUDE CIRCUIT BREAKERS, ALARM CIRCUIT FUSE, EC 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 AND 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:



NAMEPLATE

MRK	QTY	DESCRIPTION
1	2	2\" SUBMERSIBLE PUMP
2	2	2\" FLEX HOSE
3	2	2\" PITLESS ADAPTER w/ T-HANDLE
4	2	2\" PLUG VALVE
5	2	2\" BALL CHECK
6	3	2\" GALV. STEEL DISCHARGE PIPE
7	2	5\" PVC PUMP TUBE
8	5	1\" PVC UNION
9	3	GALV PIPE SUPPORT
10	3	1\" SCH 80 PVC 90° ELBOW
11	1	RPZ BACKFLOW PREVENTER
12	-	1\" SCH 80 PVC PIPE
13	1	72\" DIA x 18'-6\" DEEP PRECAST CONCRETE LIFT STATION
14	1	4\" GALV VENT
15	1	36\"x48\" SIGNLE LEAF ALUMINUM HATCHWAY
16	1	SAFETY NET
17	1	SS CABLE BRACKET
18	1	SOLENOID VALVE \"MUV-1\"
19	2	3\" CONDUIT COUPLING
20	6	CONTROL FLOATS
21	1	SYSTEM CONTROL PANEL
22	-	REBAR AS REQUIRED
23	-	ALL JOINTS MADE WATER-TIGHT w/ PLASTIC FLEXIBLE GASKET (RAM-NEK)
24	1	8'-0\"x6'-0\"x5'-0\" ALUMINUM VALVE ENCLOSURE
25	1	1\" PVC CONDUIT
26	2	2\" PVC SCH 80 BALL VALVE
27	1	BLADDER TANK
28	1	PRESSURE TRANSDUCER (PS-1)
29	1	PRESSURE GAUGE
30	1	2\"x2\"x1\" PVC SCH 80 REDUCING TEE
31	3	1\" SCH 80 PVC TEE
32	2	1\" PVC SCH 80 BALL VALVE
33	3	2\" PVC SCH 80 TEE
34	1	SELF CLEANING IRRIGATION FILTER
35	2	RESILIENT RUBBER BOOT
36	1	3\" PVC SLEEVE FOR MAKE-UP WATER SUPPLY w/ SS BRACKET
37	-	CONCRETE PAD
37	-	NAMEPLATE INDICATING: MFG: PARKUSA 888-611-PARK WWW.PARKUSA.COM MODEL: IR-SYS DATE MANUFACTURED
38	1	IRRIGATION FILTER CONTROL PANEL
39	2	SLOTTED TUBE SCREEN (50in² OPEN AREA) w/ SLUDGE BAFFLE, SS304
40	1	1\" FLUSH VALVE
41	2	2\" PVC UNION
42	2	2\" TRUE UNION BALL VALVE
43	1	2\"x1\" PVC REDUCER
44	1	2\" PVC 90° ELL
45	1	JUNCTION BOX
46	1	PRESSURE DIFFERENTIAL SWITCH

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

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PROJECT:	
CUSTOMER:	
ENGINEER:	
ORDER #:	PROJ #:
DATE:	LOCATION:
www.parkusa.com 888-611-PARK	
IRRIGATION SYSTEM MODEL IR-SYS	
PM	PC
DRN	ENG
DWG. NO.	REV.
DATE 01/2019	IR-SYS