

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

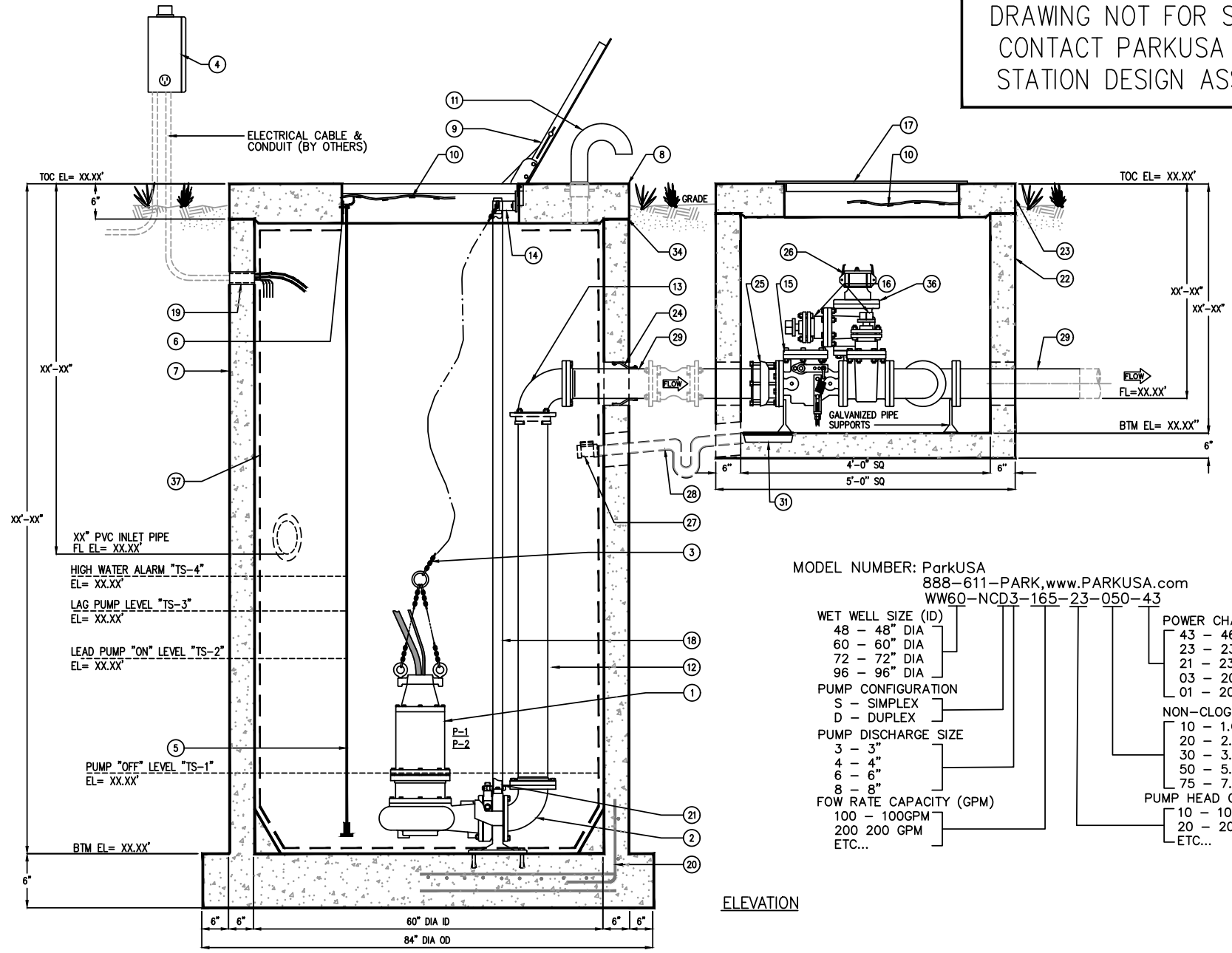
KEYED NOTES		
MARK	QTY	DESCRIPTION
1	2	3" SUBMERSIBLE PUMP
2	2	3" BASE ELBOWS
3	2	SS STEEL CHAINS
4	1	DUPLEX CONTROL PANEL NEMA 4X SS W/ GENERATOR RECEPTACLE (WIRED & MOUNTED BY CONTRACTOR)
5	1	LEVEL CONTROL TRANSDUCER
6	1	SS CABLE BRACKET
7	1	60" DIA x XX'-XX" DEEP CONCRETE WET WELL
8	1	6" THK FLAT CONCRETE TOP
9	1	30"x48" SINGLE LEAF ALUMINUM HATCHWAY
10	2	SAFETY NET
11	1	4" GALVANIZED VENT
12	2	3" D.I. FL x PE PIPE
13	2	3" DI 90° ELBOW FL x MJ w/ STAR GRIPS
14	2	SS UPPER GUIDE BRACKETS
15	2	3" SWING CHECK VALVE
16	3	3" PLUG VALVE
17	1	36"x36" SINGLE LEAF ALUMINUM HATCHWAY
18	4	SS GUIDE RAILS
19	2	3" CONDUIT
20	-	REBAR AS REQ'D
21	2	LIFT-OUT ASSEMBLY
22	1	4'-0" x 4'-0" x XX'-XX" DEEP PRECAST CONCRETE VALVE VAULT
23	1	6" THK VALVE VAULT LID
24	2	RESILIENT RUBBER BOOT
25	2	JCM 301 FCA
26	1	3" CAMLOCK w/ DUST COVER
27	1	3" BACKWATER VALVE (BY OTHERS)
28	1	3" VALVE VAULT DRAIN (BY OTHERS)
29	-	3" DI PIPE
30	-	MJ x MJ CONNECTION (BY OTHERS)
31	1	12"x12"x3" DEEP SUMP w/ CAST IRON GRATE
32	2	3" DI 90° ELL
33	1	3" DI TEE
34	-	ALL JOINTS MADE WATER-TIGHT w/ PLASTIC FLEXIBLE GASKET (RAM-NEK)
35	1	NAMEPLATE INDICATING: MFG: PARKUSA 888-611-PARK WWW.PARKUSA.COM MODEL: WW60-NCD3-165-23-050-43 DATE MANUFACTURED
36	1	3" BLIND FLANGE
37	1	HDPE LINER (PLANT APPLIED)

NOTE:
ALL DASHED PIPING TO BE FURNISHED BY CONTRACTOR

NOTE:
VERIFY ALL ELEVATIONS PRIOR TO FABRICATION

NOTE:
VERIFY ALL INLET/OUTLET ORIENTATIONS PRIOR TO FABRICATION

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



SPECIFICATION
CONCRETE:
CLASS 1/II 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 CENTRIFUGAL SOLIDS HANDLING TYPE NON CLOG UNIT AND SUBMERSIBLE TYPE MOTOR. PUMPS SHALL HAVE A CAPACITY AS FOLLOWS:

PUMP No.	TYPE	GPM	TDH	RPM	HP	ELECTRICAL V	PH	Hz
P-1	NON CLOG	165	23'	3450	5	460	3	60
P-2	NON CLOG	165	23'	3450	5	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 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:



- MODEL NUMBER: ParkUSA
888-611-PARK, www.PARKUSA.com
WW60-NCD3-165-23-050-43
- WET WELL SIZE (ID)
 - 48 - 48" DIA
 - 60 - 60" DIA
 - 72 - 72" DIA
 - 96 - 96" DIA
 - PUMP CONFIGURATION
 - S - SIMPLEX
 - D - DUPLEX
 - PUMP DISCHARGE SIZE
 - 3 - 3"
 - 4 - 4"
 - 6 - 6"
 - 8 - 8"
 - FLOW RATE CAPACITY (GPM)
 - 100 - 100GPM
 - 200 - 200 GPM
 - ETC...
 - POWER CHARACTERISTICS
 - 43 - 460V/3PH/60Hz
 - 23 - 230V/3PH/60Hz
 - 21 - 230V/1PH/60Hz
 - 03 - 208V/3PH/60Hz
 - 01 - 208V/1PH/60Hz
 - NON-CLOG PUMP SIZE
 - 10 - 1.0 HP
 - 20 - 2.0 HP
 - 30 - 3.0 HP
 - 50 - 5.0 HP
 - 75 - 7.5 HP
 - PUMP HEAD CAPACITY (TDH)
 - 10 - 10' TDH
 - 20 - 20' TDH
 - ETC...

ELEVATION

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REV	DATE	BY	DESCRIPTION
A	.	.	.

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

SANITARY SEWER LIFT STATION
SUBMERSIBLE NON-CLOG PUMP STATION

PM	PC	DRN	ENG	DWG. NO.	REV.
.	.	.	.	WW60-NCD3-43	A

DATE 10/22

CREATED ON 9/30/2022 BY
LAST MODIFIED ON 10/5/2022 2:29 PM BY JENNING

PLOTTED ON 10/5/2022 2:30 PM BY Jennings, Jonathan. Y:\Parkdgs\LS - LIFT STATIONS\WEBSTIE\2022\WW60-NCD3-43