



KEYED NOTES		
MARK	QTY	DESCRIPTION
1	3	ULTRASONIC FLOW METER TRANSDUCER
2	1	FLUME
3	1	CONTROL PANEL
4	1	HATCHWAY
5	2	WASTEWATER SOURCE
6	2	TO SEWER
7	1	REMOTE ULTRASONIC FLOW TRANSMITTER MOUNTED IN NEMA 4X ENCLOSURE
8	1	ALUM. MOUNTING PEDESTAL
9	1	NAMEPLATE INDICATING: MFG: ParkUSA 888-611-PARK MODEL: FLPB DATE MANUFACTURED
10	1	120V/20A
11	1	LIFTING LUGS AS REQUIRED
12	1	CONCRETE PLATFORM
13	1	SS TRANSDUCER MTG BRACKET
14	1	PRECAST CONCRETE SLAB TOP SEALED w/ PLASTIC FLEXIBLE GASKET MATERIAL
15	1	36" X 36" ALUMINUM HATCHWAY 150 PSF w/TORSION BAR, LOCKING POST & SLAM-LOK
16	1	#5 REBAR @ 10" O.C.E.W. (1) MAT FOR TOP SLAB BAR BENDING & PLACEMENT SHALL COMPLY w/ LATEST ACI STANDARDS
17	1	OSHA APPROVED STEPS AT 12" O.C.
18	1	XX" PALMER BOWLUS FLUME CONSTRUCTED OF CORROSION RESISTANT MATERIALS, WITH STAFF GAUGE
19	1	X" 40 SCH PVC INLET PIPE STUBOUT (TYP)
20	1	RESILIANT PIPE CONNECTION (PRESS-SEAL) TYP-2

CONTRACTOR TO FIELD VERIFY ALL ELEVATIONS.



MODEL	PIPE SIZE	WET WELL SIZE	MAXIMUM FLOW RATE		
			CFS	MGD	GPM
FLPB-4	4"	60" DIA	0.12	0.07	54
FLPB-6	6"	60" DIA	0.30	0.19	132
FLPB-8	8"	60" DIA	0.69	0.45	310
FLPB-10	10"	60" DIA	1.12	0.72	502
FLPB-12	12"	60" DIA	1.67	1.08	752
FLPB-15	15"	72" DIA	3.09	1.99	1,385
FLPB-18	18"	84" DIA	4.61	2.98	2,071
FLPB-21	21"	96" DIA	7.04	4.55	3,161
FLPB-24	24"	120" DIA	9.47	6.10	4,248
FLPB-27	27"	120" DIA	13.09	8.44	5,873

SPECIFICATIONS

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. STRUCTURAL DESIGN IS BASED ON AASHTO HS-20 LOADING.

HATCHWAY: 1/4" ALUMINUM SKID RESISTANT DIAMOND PLATE, WITH 1/4" EXTRUDED ALUMINUM FRAME. HATCH TO BE FURNISHED WITH 316 SS SNAP LOCK & HINGES. THE COVER SHALL HAVE A NAMEPLATE INDICATING "WASTEWATER FLUME ASSEMBLY".

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.



© ParkUSA. ALL RIGHTS RESERVED.



**WASTEWATER MONITORING MANHOLE
MODEL FLPB-1 PALMER BOWLUS FLUME**

PM	PC	DRN	ENG	DWG. NO.	REV.
				FLPB-1	A
DATE	2023				

CREATED ON 4/19/2024 BY
LAST MODIFIED ON 4/22/2024 12:00 PM BY: kva

PLOTTED ON 4/22/2024 12:00 PM BY: kva, Kate, D:\File replacement, webalta\FLPB-1