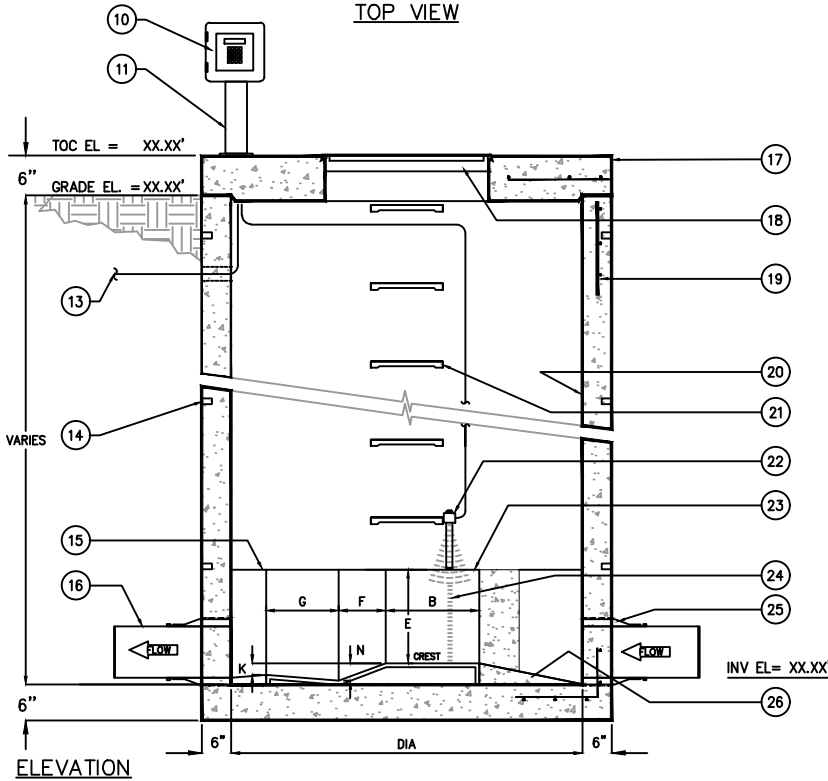


TOP VIEW



KEYED NOTES		
MARK	QTY	DESCRIPTION
1	1	DIVERGING SECTION
2	1	CONVERGING SECTION
3	2	ULTRASONIC FLOW METER TRANSDUCER
4	2	FLUME THROAT SECTION
5	1	45° WING WALL
6	1	CONTROL PANEL
7	1	HATCHWAY
8	2	WASTEWATER SOURCE
9	2	TO SEWER
10	1	REMOTE ULTRASONIC FLOW TRANSMITTER MOUNTED IN NEMA 4X ENCLOSURE
11	1	ALUM MOUNTING PEDESTAL
12	1	NAMEPLATE INDICATING: MFG: ParkUSA 888-611-PARK MODEL: FLP DATE MANUFACTURED
13	1	120V/20A
14	1	LIFTING LUGS AS REQUIRED
15	1	CONCRETE PLATFORM
16	1	TYPICAL PIPE BY OTHERS
17	1	PRECAST CONCRETE SLAB TOP SEALED w/ PLASTIC FLEXIBLE GASKET MATERIAL
18	1	36" X 36" ALUMINUM HATCHWAY 150 PSF w/TORSION BAR, LOCKING POST & SLAM-LOK
19	2	#5 REBAR @ 11" O.C.E.W. (1) MAT FOR TOP SLAB BAR BENDING & PLACEMENT SHALL COMPLY w/ LATEST ACI STANDARDS
20	1	INTERIOR LINED w/ CORROSION PROTECTION LINER
21	1	OSHA APPROVED STEPS AT 16" O.C.
22	1	ULTRASONIC FLOW METER TRANSDUCER w/ SS MTG BRACKET
23	1	PARSHALL MANHOLE FLUME CONSTRUCTED OF CORROSION RESISTANT MATERIALS, WITH STAFF GAUGE
24	1	STAFF GAUGE
25	1	RESILIENT PIPE CONNECTION (PRESS-SEAL) TYP-2
26	1	SLOPE 1/4 CONTRACTOR TO FIELD VERIFY ALL ELEVATIONS.

MODEL	FLUME SIZE	DIA	MAXIMUM FLOW RATE		PARSHALL FLUME DIMENSIONS (in)												
			GPM	MGD	W	A	B	C	D	E	F	G	K	N	P	Q	
FLP-01	1"	48"	82	0.117	1	14-1/4	14	3-p	6-1/4	9	3	8	3/4	1-1/8	20	12	
FLP-02	2"	48"	163	0.235	2	16-3/8	16	5-3/8	8-1/8	9	4-1/2	10	1	1-1/8	28	18	
FLP-03	3"	72"	835	1.200	3	18-3/8	18	7	10-3/8	24	6	12	1	2-1/4	30	18	
FLP-06	6"	84"	1755	2.530	6	24-7/8	24	15-1/2	15-3/8	24	12	24	3	4-1/2	36	24	
FLP-09	9"	96"	3981	5.730	9	34-3/8	34	15	22-3/8	30	12	18	3	4-1/2	42	24	

SPECIFICATIONS

CONCRETE: CLASS I/II CONCRETE WITH DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNIT IS OF MONOLITHIC CONSTRUCTION AT FLOOR AND FIRST 7 FEET OF RISER. FLAT CONCRETE TOP IS 6" THICK.

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

HATCHWAY: 1/4" ALUMINUM SKID RESISTANT DIAMOND PLATE, WITH 1/4" EXTRUDED ALUMINUM FRAME. HATCH TO BE FURNISHED WITH 316 SS SNAP LOCK & HINGES.

ENGINEERING DATA

FIELD EXCAVATION AND PREPARATION SHALL BE COMPLETED PRIOR TO DELIVERY OF ASSEMBLY. USE DIMENSIONAL DATA AS SHOWN.

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**WASTEWATER MONITORING MANHOLE
MODEL FLP – PARSHALL FLUME**

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