



KEYED NOTES		
MARK	QTY	DESCRIPTION
1	1	PRECAST CONCRETE SAND-MUD INTERCEPTOR
2	1	6" OR 8" PVC MANIFOLD
3	2	24" CAST IRON FRAME AND COVER
4	0	CONCRETE EXTENSION RINGS AS REQUIRED
5	1	X" VENT
6	1	TAPERED WALL
7		OPTIONAL GRATE & FRAME OR MANHOLE FRAME/COVER
8	2	INLET AND OUTLET SCH 40 PVC PIPING
9	2	RESILIENT RUBBER BOOT OR COUPLING
10	1	MONOLITHIC BAFFLE
11	1	GALVANIZED RISER SUPPORT
12	1	NAMEPLATE INDICATING: MFG: ParkUSA 888-611-PARK MODEL: SM-01 DATE MANUFACTURED
13	1	INTERIOR EPOXY COATING
14	1	EXTERIOR EPOXY COATING
15	1	ALL JOINTS SEALED WATER-TIGHT w/PLASTIC FLEXIBLE



- APPLICATIONS**
- ▢ AGRIBUSINESS
  - ▢ LIVESTOCK/BARN
  - ▢ MANUFACTURING AREAS
  - ▢ MANUFACTURING FACILITY EFFLUENT WATER

**GENERAL INFORMATION**

THE SMSC SAND/MUD INTERCEPTOR IS USED TO PREVENT POTENTIALLY HARMFUL DEBRIS FROM ENTERING INTO THE PUBLIC SANITARY SEWER. THE MULTI-CHAMBER TANK SEPARATES & COLLECTS THE DEBRIS FROM THE WASTEWATER. AN EFFLUENT SCREEN POLISHES THE WASTEWATER PRIOR TO ENTERING THE PUBLIC SEWER. A SERVICE ALERT SYSTEM WILL INDICATE WHEN SERVICE IS NEEDED. EASY MAINTENANCE IS PERFORMED BY PUMPING OUT THE UNIT BY A PROFESSIONAL WASTE DISPOSAL SERVICE. THE EFFLUENT SCREEN CAN BE REMOVED & CLEANED AS REQUIRED.

SAND-MUD INTERCEPTOR SCHEDULE							
MODEL NO.	CAPACITY USGal	EMPTY WT (LBS)	LENGTH L	WIDTH W	HEIGHT H	INLET FL1	OUTLET FL2
SM-500	500	9,500	7'-10"	4'-4"	4'-6"	3'-3"	3'-0"
SM-750	750	9,900	7'-10"	4'-4"	6'-0"	4'-5"	4'-2"
SM-1000	1,000	13,350	8'-8"	5'-0"	6'-0"	4'-9"	4'-6"
SM-1250	1,250	14,650	9'-2"	5'-8"	6'-0"	4'-9"	4'-6"
SM-1500	1,500	16,050	9'-2"	5'-8"	7'-0"	5'-9"	5'-6"
SM-2000	2,000	21,250	9'-0"	6'-0"	8'-0"	6'-9"	6'-6"
SM-2500	2,500	27,050	13'-0"	7'-0"	7'-0"	5'-9"	5'-6"
SM-3000	3,000	33,150	13'-0"	7'-0"	8'-0"	6'-9"	6'-6"
SM-3500	3,500	38,550	13'-0"	7'-0"	8'-6"	7'-3"	7'-0"
SM-4000	4,000	38,100	16'-0"	8'-6"	7'-0"	5'-9"	5'-6"

OTHER SIZES ARE AVAILABLE. CONTACT US FOR MORE INFORMATION

**Specifications**

- CONCRETE:** Class I/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. gross empty weight of approximately indicated.
- REINFORCEMENT:** Grade 60 reinforced with steel rebar conforming to ASTM A615 on required centers or equal. Structural design is based on AASHTO HS20 loading.
- C.I. CASTINGS:** Manhole frames, covers or grates are manufactured of grey cast iron conforming to ASTM A48-76 Class 30. Manhole shall have 24 inch inside diameter and be traffic duty.

**Engineering Data**

Interceptor is structurally and hydraulically engineered conforming to UPC/IPC Plumbing Codes. Nominal liquid capacity as indicated. Manufacturer shall provide buoyancy calculations certified by a licensed engineer upon request. Field excavation and preparation shall be completed prior to delivery of interceptor. Use dimensional data as shown.



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**SAND-MUD INTERCEPTOR**  
MODEL SM SIZE 500-4000 GALLONS

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

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