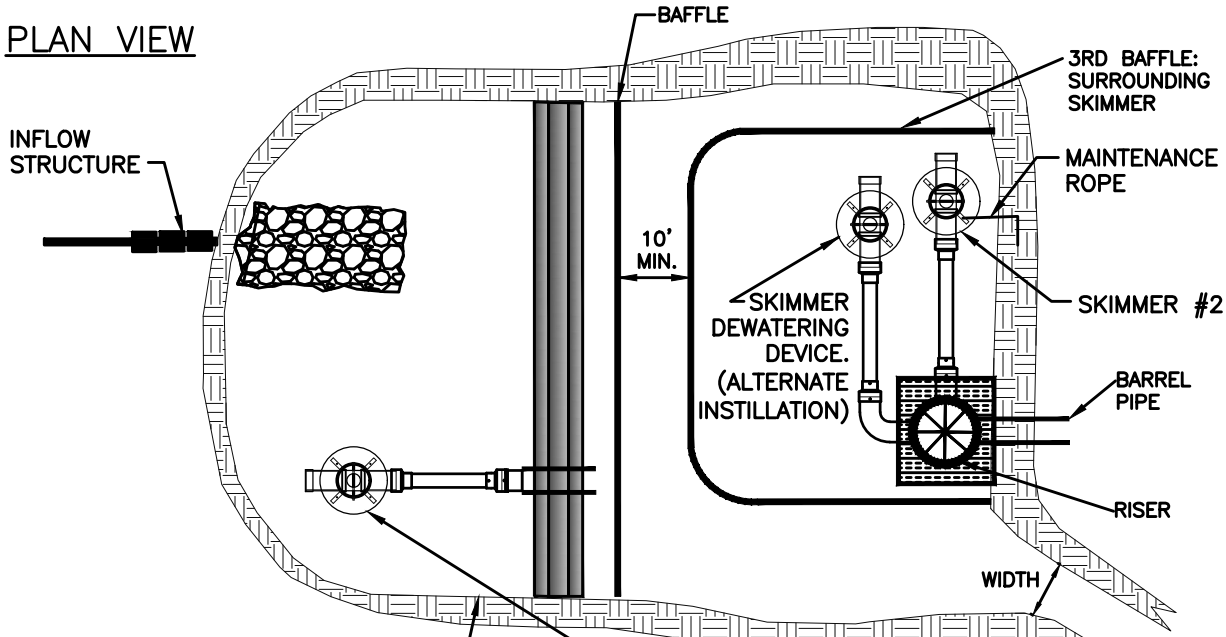
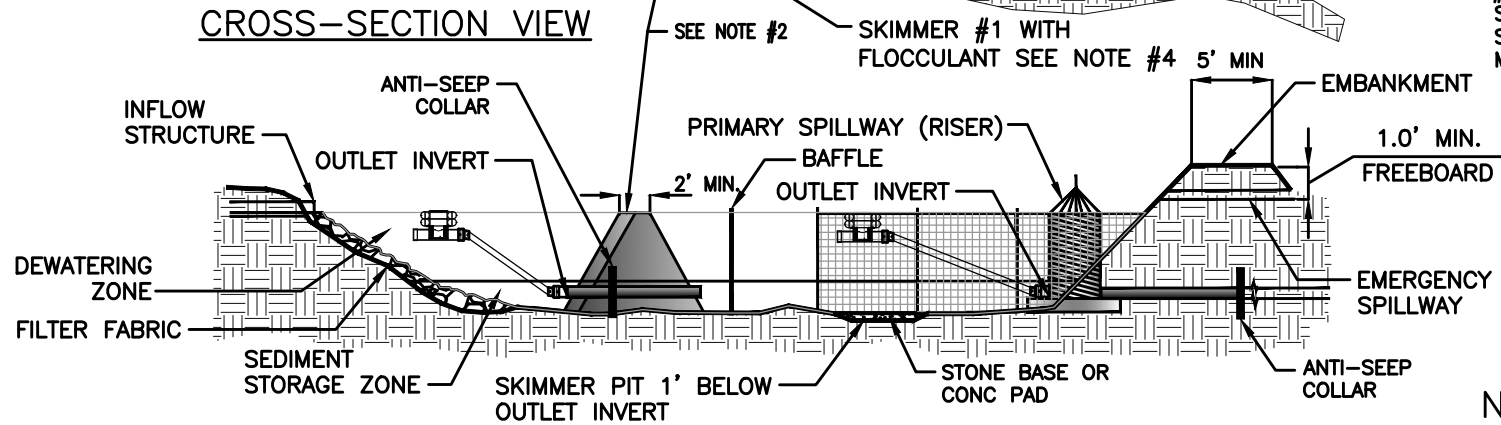


SKIMMER SEDIMENT BASIN DESIGN CRITERIA	
MIN. LENGTH TO WIDTH RATIO	2:1
MAX. LENGTH TO WIDTH RATIO	6:1
MIN. VOLUME REQUIRED	1800 CU. FT. (67 CU. YD.) PER AC. DISTURBED
SURFACE AREA REQUIRED	325 SQ. FT. PER CFS Q10
MINIMUM DEWATERING TIME	48 HRS
MAXIMUM DEWATERING TIME	120 HRS

**PLAN VIEW**



**CROSS-SECTION VIEW**



**NOTES:**

1. REFER TO MS4 FOR ADDITIONAL DESIGN SPECIFICATIONS REGARDING SEDIMENT BASINS.
2. FOREBAY VOLUME MIN. 20% OF REQUIRED VOLUME. TOP OF FOREBAY BERM MIN. 6" BELOW TOP OF RISER.
3. INSTALL SKIMMER PARALLEL TO BANK FOR EASE OF INSPECTION.
4. SKIMMER #1 WITH FLOCCULANT TO HAVE FLOW RATE 2X SKIMMER #2.  
SKIMMER SIZE \_\_\_\_\_  
SKIMMER ORIFICE \_\_\_\_\_  
MANUF. \_\_\_\_\_

\* IF EQUAL ALLOWED MUST CONFIRM MEETS FLOW RATE RANGE SPECIFIED.

NOT TO SCALE

**DATA BLOCK**

BASIN NO.	DRAINAGE AREA (ACRES)	DISTURBED AREA (ACRES)	Q <sub>10</sub> (C.F.S.)	BASIN VOLUME		BASIN SURFACE AREA		OUTLET INVERT (ELEV.)	BARREL PIPE (SIZE)	TOP OF RISER (ELEV.)	EMERGENCY SPILLWAY (ELEV.)	EMERGENCY SPILLWAY (WIDTH)	SKIMMER SIZE	SKIMMER ORIFICE DIAMETER	SKIMMER MANUFACTURER	EQUAL ALLOWED *		SKIMMER FLOW RATE	
				REQUIRED (C.F.)	PROVIDED (C.F.)	REQUIRED (C.F.)	PROVIDED (C.F.)									YES	NO	MIN.	MAX.



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TURBIDITY REDUCTION SEDIMENT BASIN  
REV 8/9/18