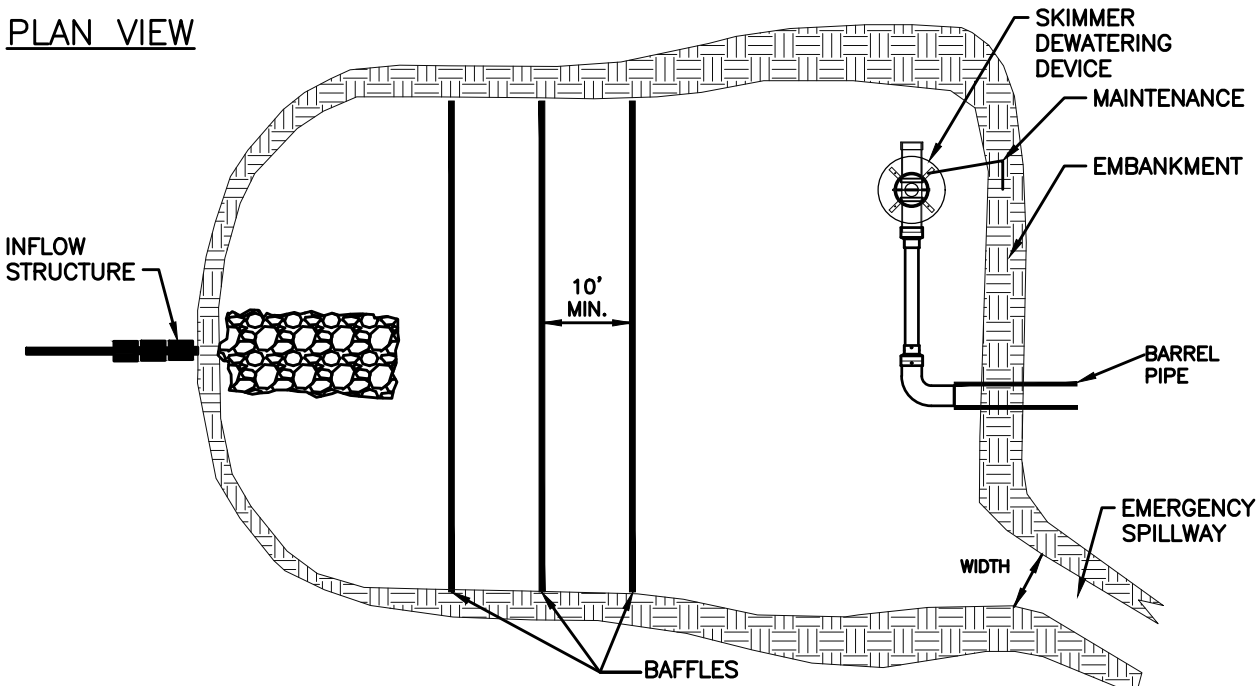


C:\www\free_saver\skimmer_details\16-10009 SKIMMER BASIN DETAILS\Temporary Skimmer Sediment Basin with Permanent Wet Pond.dwg, 07/20/18, 4:56:24 PM

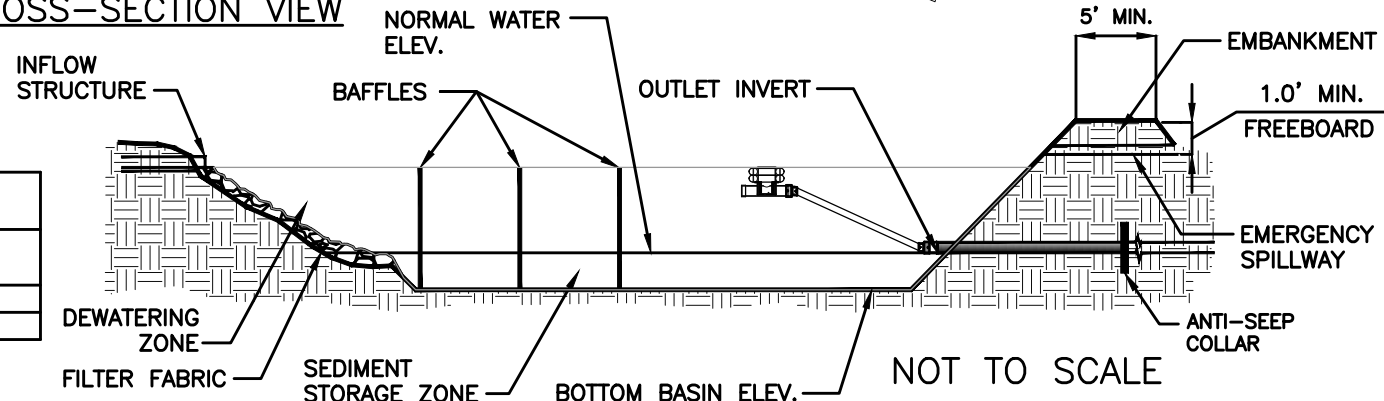
SKIMMER SEDIMENT BASIN DESIGN CRITERIA	
MIN. LENGTH TO WIDTH RATIO	2:1
MAX. LENGTH TO WIDTH RATIO	6:1
SEDIMENT STORAGE VOLUME REQUIRED	1000 CU. FT. PER AC. DISTURBED
DEWATERING VOLUME REQUIRED	1800 CU. FT. (67 CU. YD.) PER AC. TOTAL
SURFACE AREA REQUIRED	325 SQ. FT. PER CFS Q10
MINIMUM DEWATERING TIME	48 HRS
MAXIMUM DEWATERING TIME	120 HRS

PLAN VIEW



- NOTES:**
- REFER TO MS4 FOR ADDITIONAL DESIGN SPECIFICATIONS REGARDING SKIMMER SEDIMENT BASINS.
 - INSTALL SKIMMER PARALLEL TO BANK FOR EASE OF INSPECTION.
- * IF EQUAL ALLOWED MUST CONFIRM MEETS FLOW RATE RANGE SPECIFIED.

CROSS-SECTION VIEW



BASIN NO.	SEDIMENT STORAGE VOL.		DEWATERING VOLUME	
	REQ. (CF)	PROV. (CF)	REQ. (CF)	PROV. (CF)

DATA BLOCK

BASIN NO.	DRAINAGE AREA (ACRES)	DISTURBED AREA (ACRES)	Q ₁₀ (CFS)	BASIN SURFACE AREA		BOTTOM OF BASIN (ELEV.)	OUTLET INVERT (ELEV.)	BARREL PIPE (SIZE)	TOP OF RISER (ELEV.)	EMER. SPILLWAY (ELEV.)	EMER. SPILLWAY (WIDTH)	SKIMMER SIZE	SKIMMER ORIFICE DIAMETER	SKIMMER TYPE	EQUAL ALLOWED *		SKIMMER FLOW RATE	
				REQ. (CF)	PROV. (CF)										YES	NO	MIN.	MAX.
														MARLEE				
														MARLEE				



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TEMPORARY SKIMMER SEDIMENT BASIN WITH PERMANENT WET POND

REV 8/9/18