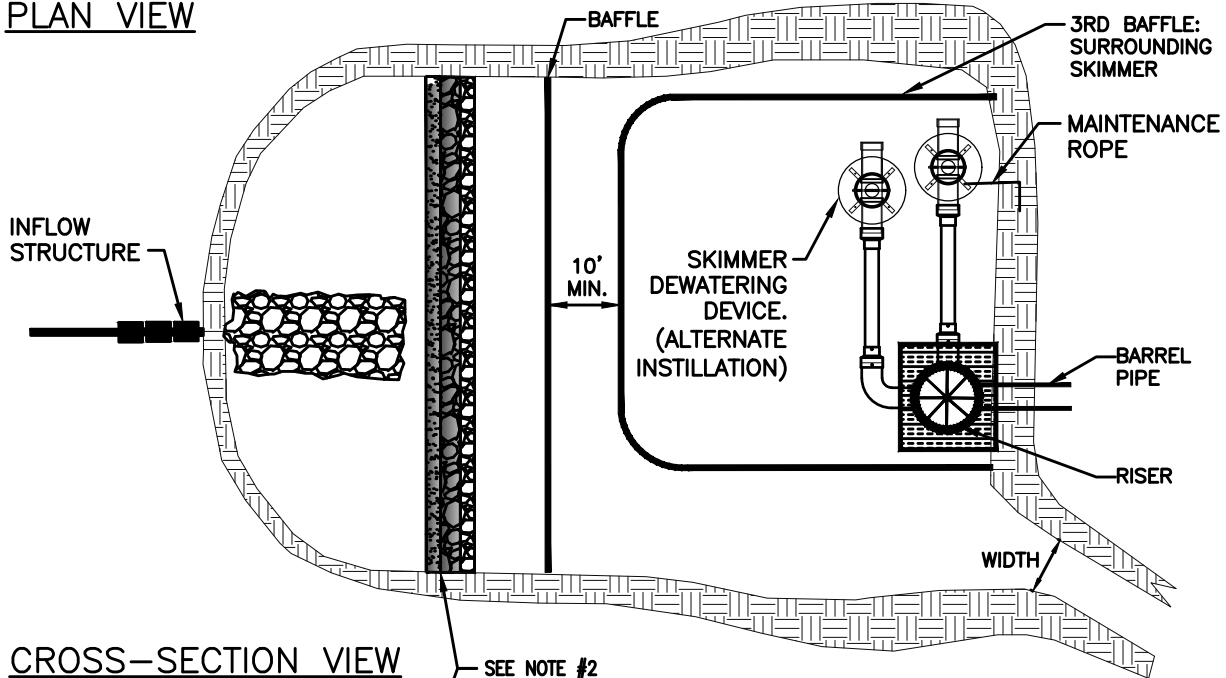
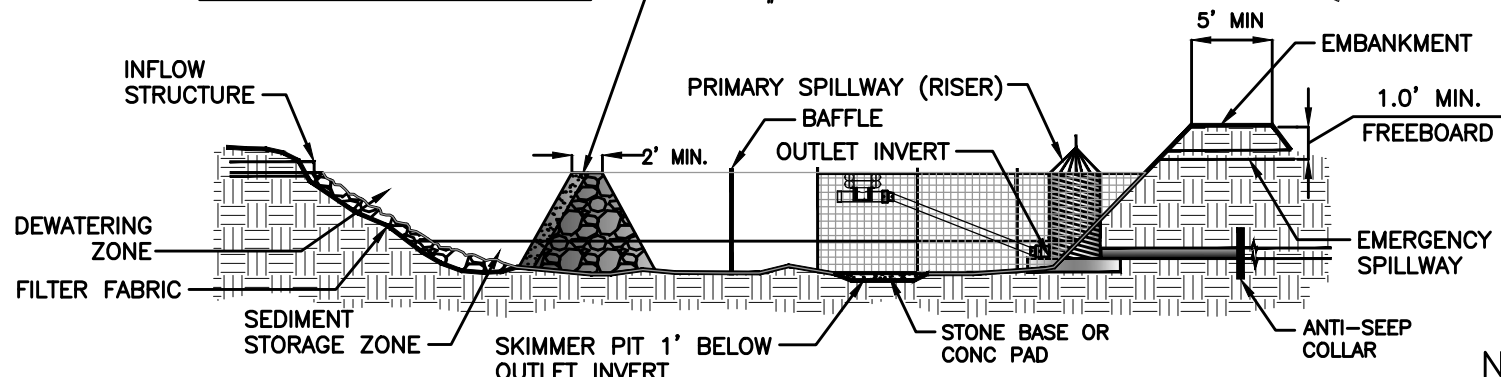


SKIMMER SEDIMENT BASIN DESIGN CRITERIA	
MIN. LENGTH TO WIDTH RATIO	2:1
MAX. LENGTH TO WIDTH RATIO	6:1
MIN. VOLUME REQUIRED	1800 CU. FT. (67 CU. YD.) PER AC. DISTURBED
SURFACE AREA REQUIRED	325 SQ. FT. PER CFS Q10
MINIMUM DEWATERING TIME	48 HRS
MAXIMUM DEWATERING TIME	120 HRS

**PLAN VIEW**



**CROSS-SECTION VIEW**



**NOTES:**

1. REFER TO MS4 FOR ADDITIONAL DESIGN SPECIFICATIONS REGARDING SEDIMENT BASINS.
2. FOREBAY, IF REQUIRED BY MS4. IF NOT ADD THIRD BAFFLE.
3. INSTALL SKIMMER PARALLEL TO BANK FOR EASE OF INSPECTION.

\* 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.



WWW.RYMARWATERWORKS.COM  
(855) 697-9333

SKIMMER & RISER SEDIMENT BASIN

REV 8/9/18