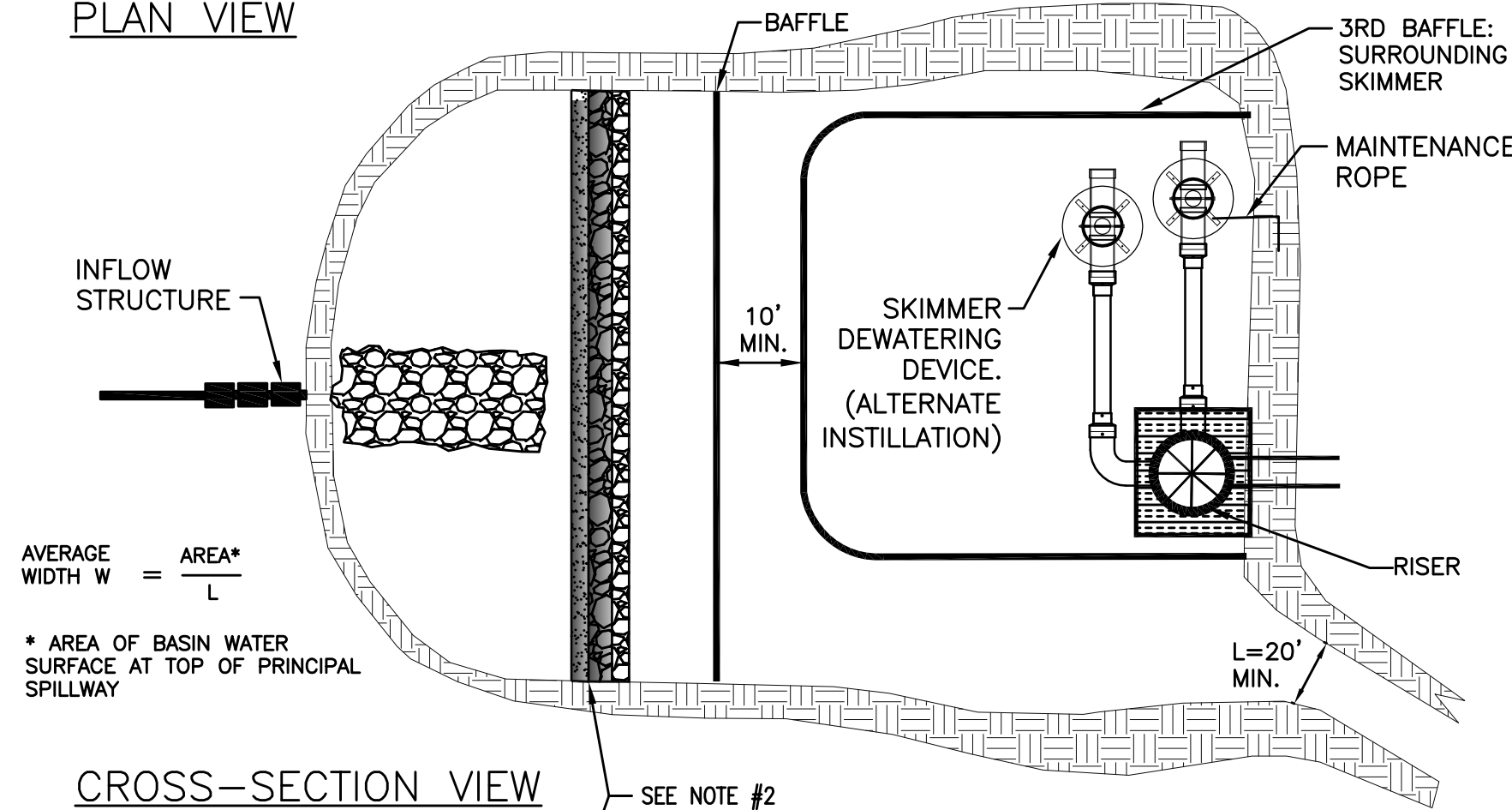


SKIMMER SEDIMENT BASIN DESIGN CRITERIA	
DRAINAGE AREA (ACRES)	
MIN. LENGTH TO WIDTH RATIO	2:1
MAX. LENGTH TO WIDTH RATIO	6:1
MIN. VOLUME REQUIRED	1800 CU. FT. (67 CU. YD.) PER AC. DISTURBED
SURFACE AREA REQUIRED	325 SQ. FT. PER CFS Q10
MINIMUM DEWATERING TIME	48 HRS
MAXIMUM DEWATERING TIME	120 HRS

**PLAN VIEW**



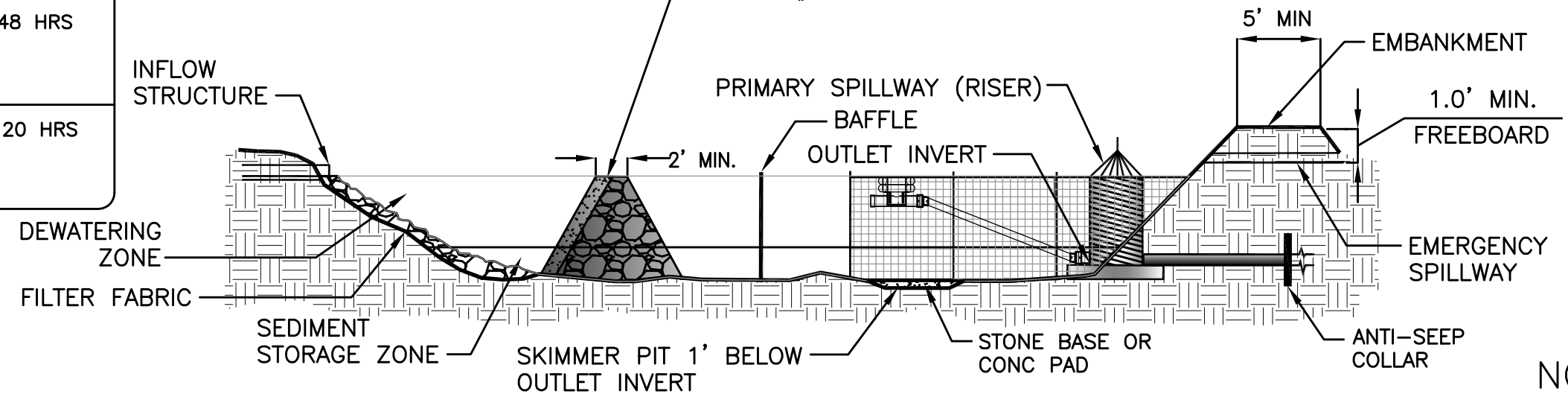
AVERAGE WIDTH  $W = \frac{AREA*}{L}$

\* AREA OF BASIN WATER SURFACE AT TOP OF PRINCIPAL SPILLWAY

**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.

**CROSS-SECTION VIEW**



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

NOT TO SCALE

**DATA BLOCK**

BASIN NO.	DRAINAGE AREA (ACRES)	DENUDED AREA (ACRES)	Q <sub>10</sub> (C.F.S.)	BASIN VOLUME		BASIN SURFACE AREA		OUTLET INVERT (ELEV.)	EMERGENCY SPILLWAY (ELEV.)	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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