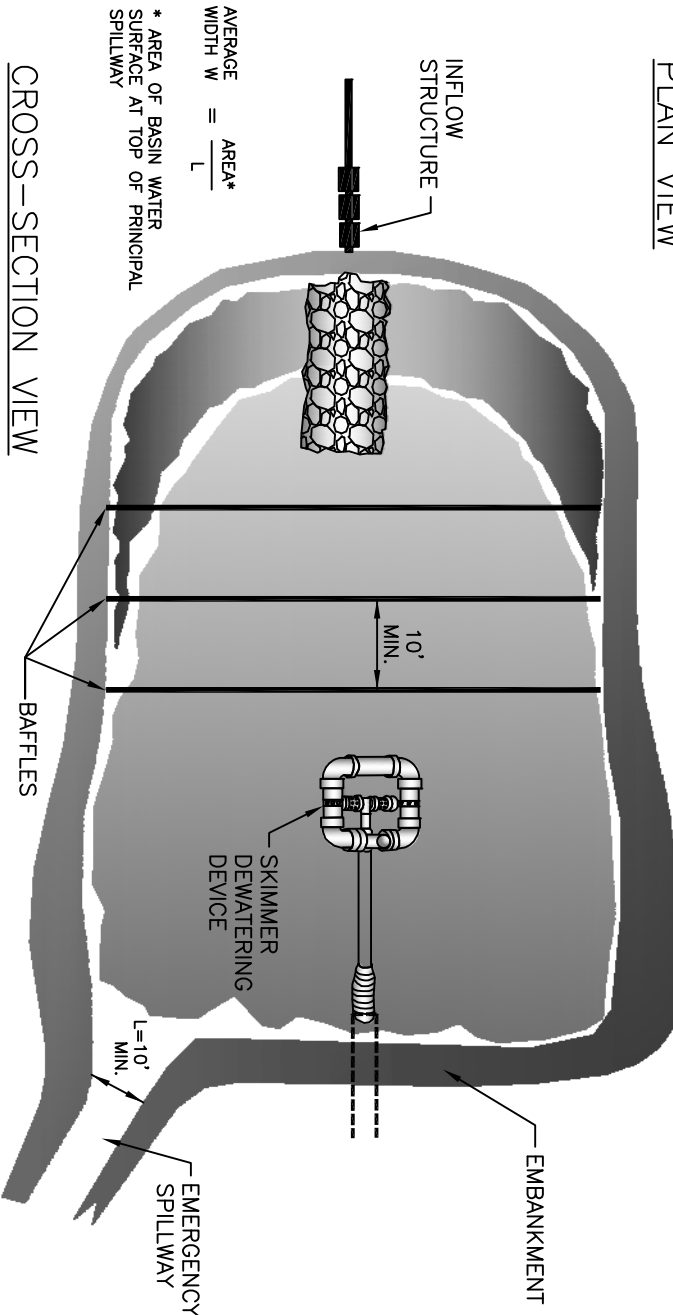
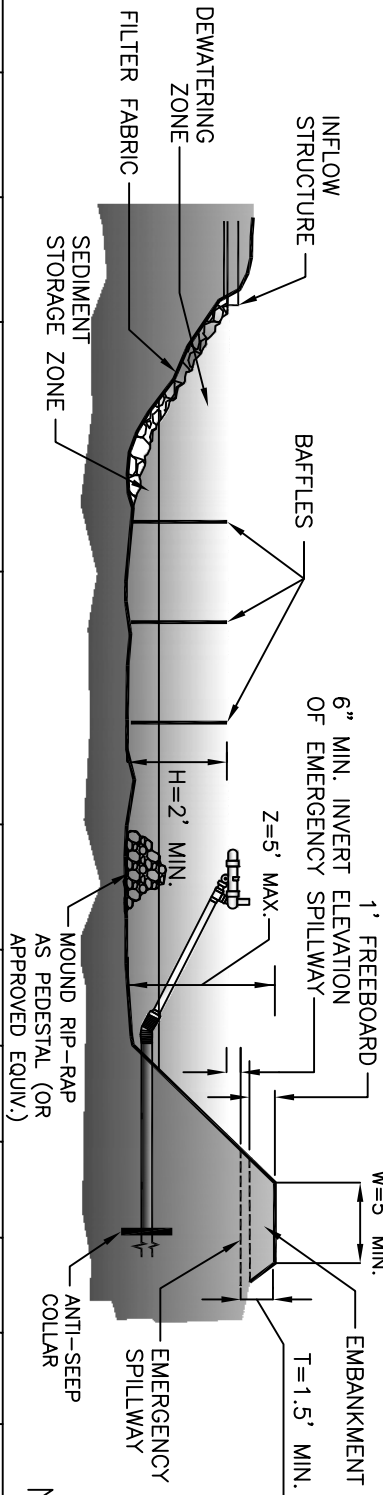


SKIMMER SEDIMENT BASIN DESIGN CRITERIA	
DRAINAGE AREA (ACRES)	< 10 AC.
MIN. LENGTH TO WIDTH RATIO	2:1
MAX. LENGTH TO WIDTH RATIO	6:1
MIN. VOLUME REQUIRED	1800 (CU. FT. PER AC. DISTURBED)
SURFACE AREA REQUIRED	325 (SQ. FT. PER CFS Q10)

PLAN VIEW



CROSS-SECTION VIEW



AVERAGE WIDTH $w = \frac{\text{AREA}^*}{L}$

* AREA OF BASIN WATER SURFACE AT TOP OF PRINCIPAL SPILLWAY

NOTES:

1. REFER TO NCGSCPDM SECTION #6.64 FOR ADDITIONAL DESIGN SPECIFICATIONS REGARDING SKIMMER SEDIMENT BASINS.
2. REFER TO STD. #30.19 FOR BAFFLE SPACING AND INSTALLATION.

NOT TO SCALE

BASIN NO.	DRAINAGE AREA (ACRES)	DENuded AREA (ACRES)	Q ₁₀	BASIN VOLUME		BASIN SURFACE AREA		CLEANOUT DEPTH H/2 (FT.)	H (FEET)	L (FEET)	T (FEET)	W (FEET)	Z (FEET)	SKIMMER PIPE DIAMETER	SKIMMER ORIFICE DIAMETER
				REQUIRED (C.F.)	PROVIDED (C.F.)	REQUIRED (C.F.)	PROVIDED (C.F.)								

MECKLENBURG COUNTY

LAND DEVELOPMENT STANDARDS



SKIMMER SEDIMENT BASIN

STD. NO.	REV.
30.02A	