



$$\text{AVERAGE WIDTH} = \frac{\text{AREA} *}{\text{LENGTH}}$$

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

SKIMMER SEDIMENT BASIN DESIGN CRITERIA

MAX. DRAINAGE AREA (ACRES)	10 AC.
MIN. VOLUME REQUIRED	1800 CU FT/ACRE DISTURBED AREA
SURFACE AREA REQUIRED	325 SQFT/CFS (Q10)
LENGTH TO WIDTH RATIO	2:1 (MIN.) - 6:1 (MAX.)
MINIMUM DEPTH	2 FT.
DEWATERING TIME	48 HR. (MIN) - 120 HR. (MAX)
BAFFLES REQUIRED	3

NOTES:

- INSTALL BAFFLES IN THE SKIMMER SEDIMENT BASIN. THE PERCENT OF SURFACE AREA FOR EACH SECTION OF THE BAFFLE ARE:
 - INLET ZONE: 25%
 - FIRST CELL: 25%
 - SECOND CELL: 25%
 - OUTLET ZONE: 25%
- BASINS LESS THAN 20 FT. IN LENGTH MAY USE 2 BAFFLES THAT DIVIDE THE BASIN INTO THIRDS.

CITY OF HIGH POINT
NORTH CAROLINA
ENGINEERING SERVICES DEPARTMENT

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DIRECTOR

ISSUED 2-17-09

REVISIONS

9-12-16

STANDARD DRAWING FOR
SKIMMER SEDIMENT BASIN
FOR EROSION CONTROL

SKIMSEDBAS2.DWG

610.01

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