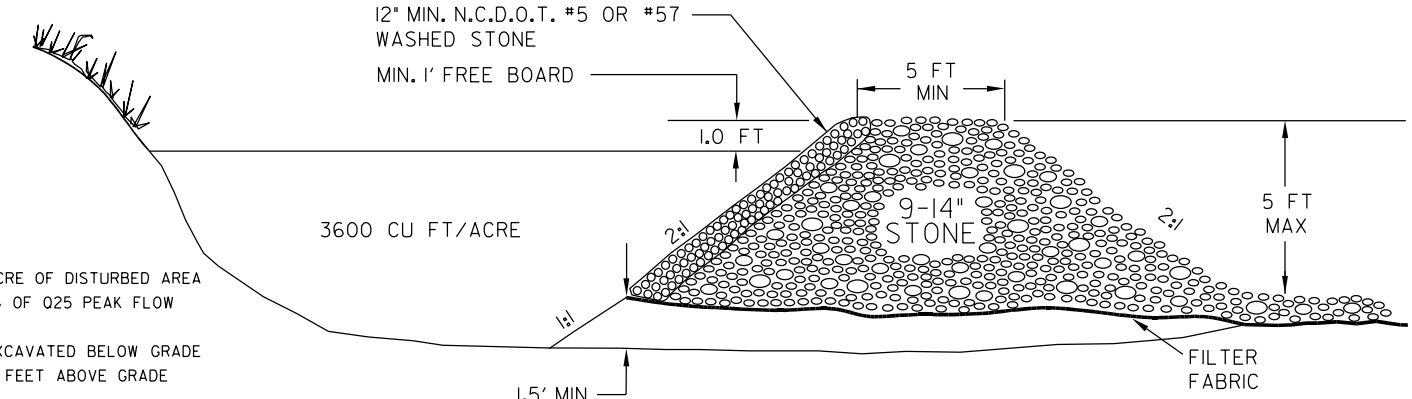
SEE 40.12 FOR BODY OF SEDIMENT TRAP

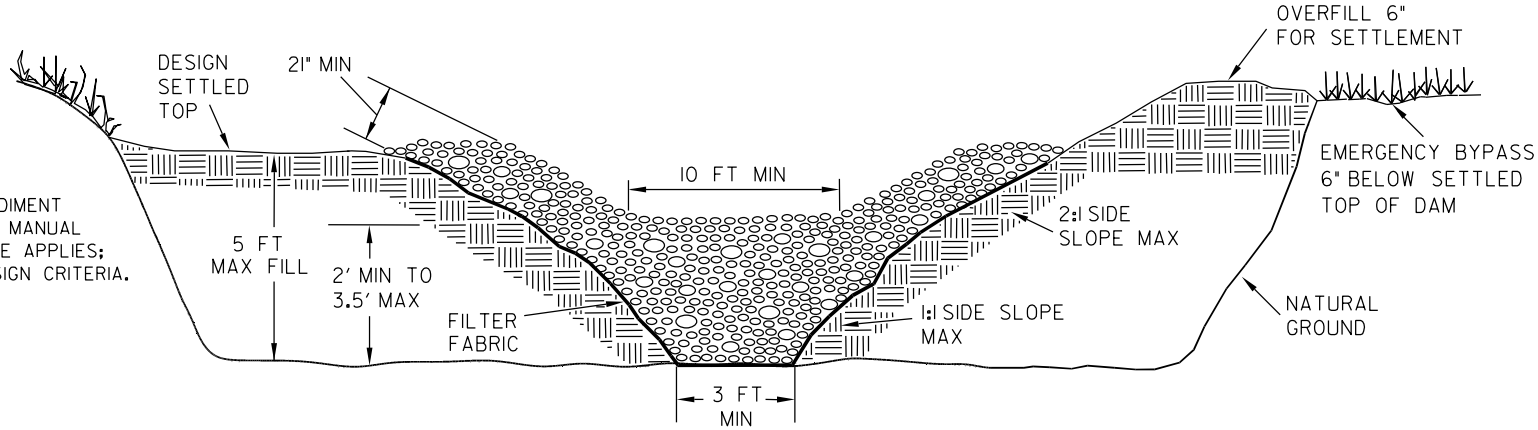


CROSS SECTION

DESIGN CRITERIA

SUMMARY:

PRIMARY SPILLWAY:	STONE SPILLWAY
MAXIMUM DRAINAGE AREA:	1 ACRES
MINIMUM VOLUME:	3600 CU FT PER ACRE OF DISTURBED AREA
MINIMUM SURFACE AREA:	435 SQ FT PER CFS OF Q25 PEAK FLOW
MINIMUM L/W RATIO:	2:1
MINIMUM DEPTH:	3.5 FEET, 1.5FEET EXCAVATED BELOW GRADE
MAXIMUM HEIGHT:	WEIR ELEVATION 3.5 FEET ABOVE GRADE
DEWATERING MECHANISM:	STONE SPILLWAY
MINIMUM DEWATERING TIME:	N/A
BAFFLES REQUIRED:	3 MINIMUM (COIR OR JUTE) MESH
MIN WEIR (COR)	10'



PLAN VIEW

NOTES:
SEE N.C. DENR EROSION and SEDIMENT CONTROL PLANNING and DESIGN MANUAL FOR CONDITIONS WHERE PRACTICE APPLIES; PLANNING CONSIDERATION & DESIGN CRITERIA.

STRUCTURE LIFE LIMITED TO 2 YEARS

MAINTENANCE

REMOVE SEDIMENT AND RESTORE TRAP TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN A DESIGNATED DISPOSAL AREA AND REPLACE THE CONTAMINATED PART OF THE GRAVEL FACING.
CHECK THE STRUCTURE FOR DAMAGE FROM EROSION OR PIPING. PERIODICALLY CHECK THE DEPTH OF THE SPILLWAY TO ENSURE IT IS A MINIMUM OF 1.5 FT BELOW THE LOW POINT OF THE EMBANKMENT. IMMEDIATELY FILL ANY SETTLEMENT OF THE EMBANKMENT TO SLIGHTLY ABOVE DESIGN GRADE.

ANY RIP RAP DISPLACED FROM THE SPILLWAY MUST BE REPLACED IMMEDIATELY.

CITY OF RALEIGH
PUBLIC WORKS DEPARTMENT

REVISIONS
JTT 3-6-07
WDP 5/3/07
WDP 1/13/2012
WDP 10/9/2012

DATE: 7/3/00 DRAWN BY: JTB

TEMPORARY SEDIMENT TRAP
OUTLET DETAIL

STD. # 40.11