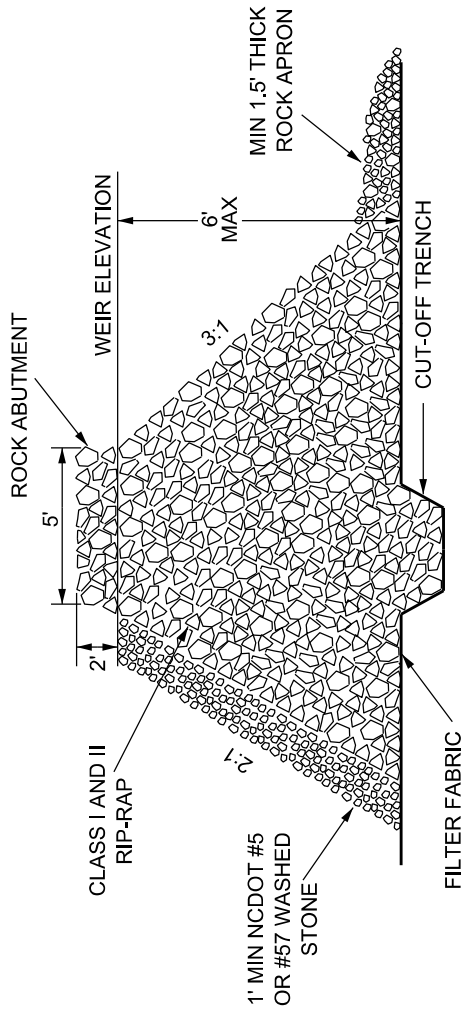


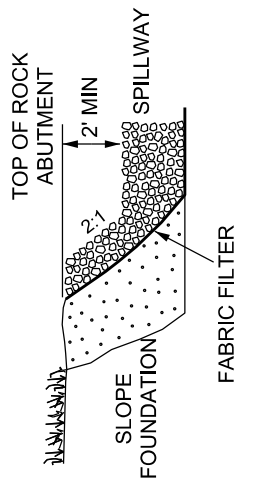
SEDIMENT BASIN WITH ROCK DAM

DESIGN CRITERIA

- SUMMARY:**
 TEMPORARY SEDIMENT BASIN
 STONE SPILLWAY
 <1 ACRE.
 3600 CUBIC FEET PER ACRE OF DISTURBED AREA.
- PRIMARY SPILLWAY:**
 MAXIMUM DRAINAGE AREA:
 MINIMUM SEDIMENT STORAGE
 VOLUME:
 MINIMUM SURFACE AREA:
 MINIMUM L/W RATIO:
 MINIMUM DEPTH:
 MAXIMUM HEIGHT:
 DEWATERING MECHANISM:
 MINIMUM DEWATERING TIME:
 BAFFLES REQUIRED:
 DESIGN BASIN LIFE:
 DAM HEIGHT:
- 435 SQUARE FEET PER CFS OF Q_{10} PEAK INFLOW
 2:1
 3.5 FEET, 1.5 FEET EXCAVATION BELOW GRADE
 WEIR ELEVATION 6 FEET ABOVE GRADE
 STONE SPILLWAY
 N/A
 3 MINIMUM
 3 YEARS OR LESS
 LIMITED TO 8 FEET.



CROSS-SECTION VIEW



SPILLWAY DETAILS

SEE N.C. DEQ SEDIMENT DESIGN MANUAL FOR CONSTRUCTION SPECIFICATIONS, WHERE PRACTICE APPLIES AND PLANNING CONSIDERATIONS.
 NOTE: DEVICE SHOULD NOT BE LOCATED IN ANY INTERMITTENT OR PERENNIAL STREAM.

CITY OF RALEIGH STANDARD DETAIL		
REVISIONS	DATE: 8/2020	NOT TO SCALE
	SEDIMENT BASIN WITH ROCK DAM	
	SW-20.21	