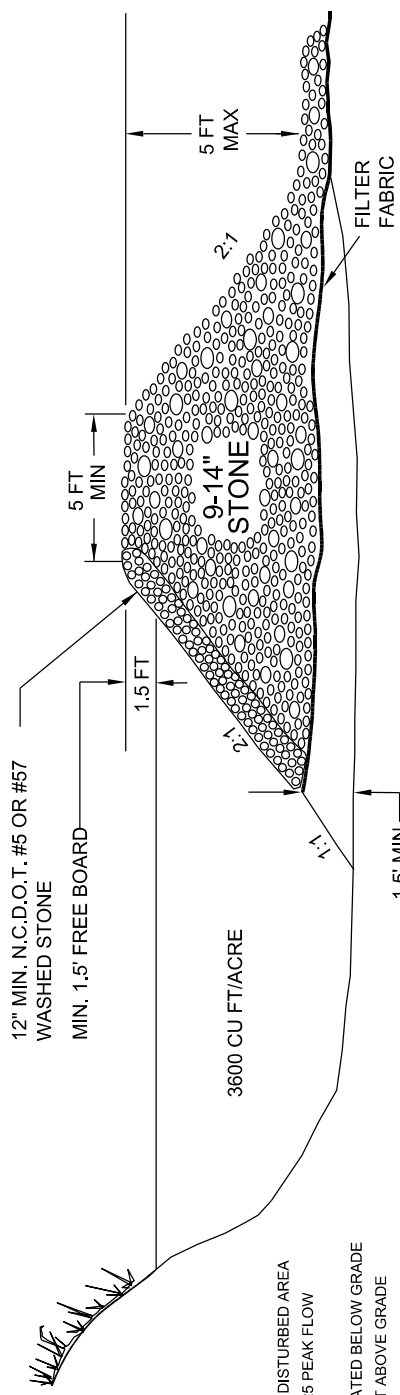
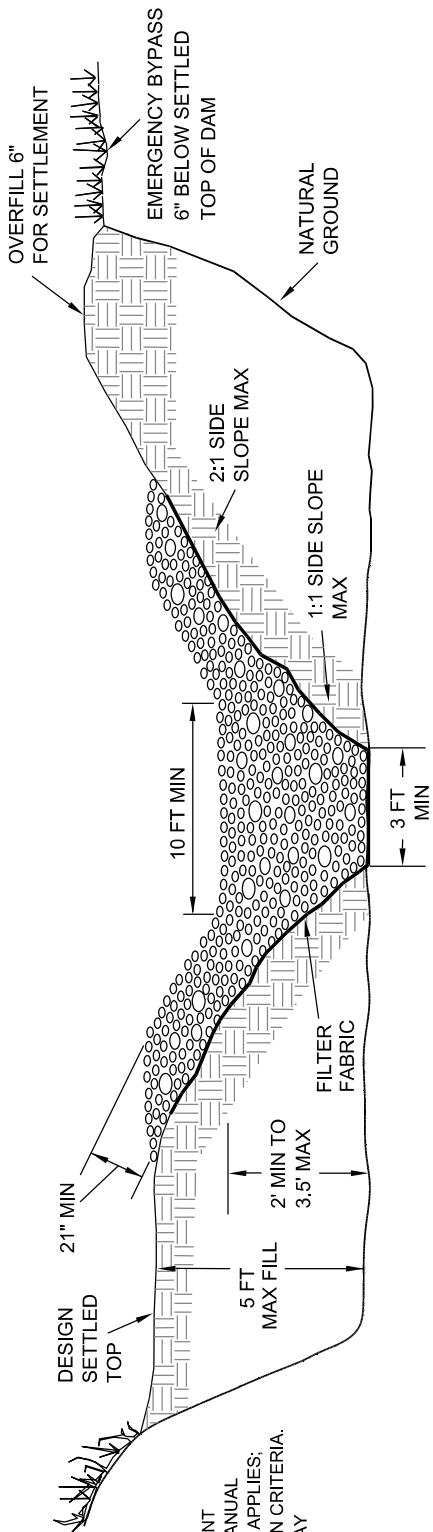


SEE 20.05.1 FOR BODY OF SEDIMENT TRAP



CROSS SECTION



PLAN VIEW

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 0.25 PEAK FLOW
- MINIMUM L/W RATIO: 2:1
- MINIMUM DEPTH: 3.5 FEET, 1.5 FEET 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'

NOTE: TRAPS LESS THAN 20' IN LENGTH MAY USE BAFFLES.

NOTES:

SEE N.C. DEQ EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL FOR CONDITIONS WHERE PRACTICE APPLIES; PLANNING CONSIDERATION & DESIGN CRITERIA. BASINS LESS THAN 20' IN LENGTH MAY USE BAFFLES.

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 STANDARD DETAIL		
REVISIONS	DATE: 8/2020	NOT TO SCALE
TEMPORARY SEDIMENT TRAP OUTLET DETAIL		
SW-20.05.2		