

**SEDIMENT BASIN WITH ROCK DAM**

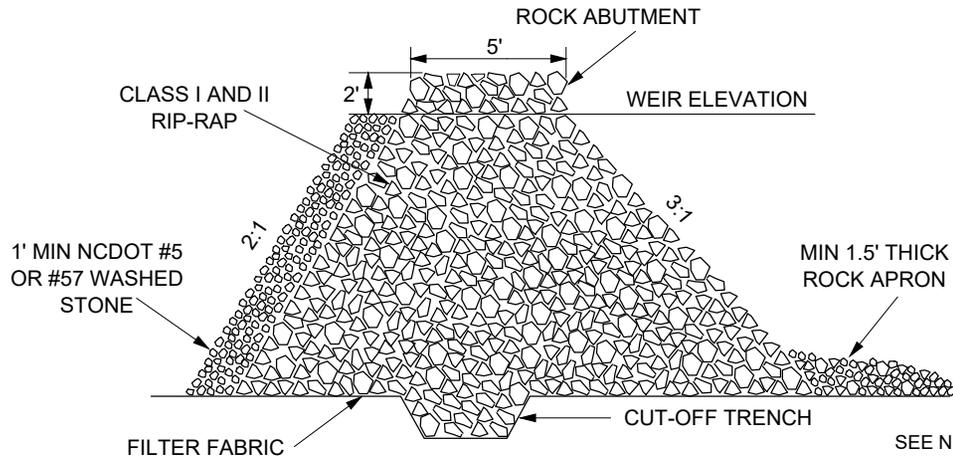
**DESIGN CRITERIA**

**SUMMARY:**

- PRIMARY SPILLWAY:
- MAXIMUM DRAINAGE AREA:
- MINIMUM SEDIMENT STORAGE
- MINIMUM SURFACE AREA:
- MINIMUM L/W RATIO:
- MINIMUM DEPTH:
- MAXIMUM HEIGHT:
- DEWATERING MECHANISM:
- MINIMUM DEWATERING TIME:
- BAFFLES REQUIRED:
- DESIGN BASIN LIFE:
- DAM HEIGHT:

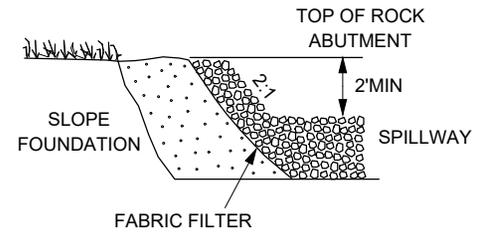
**TEMPORARY SEDIMENT BASIN**

- STONE SPILLWAY
- 10 ACRES.
- 3600 CUBIC FEET PER ACRE OF DISTURBED AREA.
- 435 SQUARE FEET PER CFS OF Q<sub>10</sub> 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.



**TOWN OF INDIAN TRAIL  
STANDARD DETAIL**

**SEDIMENT BASIN WITH ROCK DAM**

| REVISIONS | Scale         |
|-----------|---------------|
|           | Not To Scale  |
|           | Revision Date |
|           | 02/2021       |
|           | Detail #      |
|           | EC_13.01      |
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|           |               |