

**NOTES:**

**INSTALLATION:**

1. DIVERT RUNOFF FROM UNDISTURBED AREAS AWAY FROM THE BASIN (REFERENCE DETAIL 04000.16 "STANDARD DIVERSION BERM") DELAY CLEANING POND AREA UNTIL DAM IS IN PLACE.
2. EXCAVATE FOUNDATION FOR APRON AND USE IT AS A TEMPORARY SEDIMENT BASIN DURING CONSTRUCTION OF DAM.
3. CLEAR AND GRUB AREA UNDER DAM, REMOVING ALL ROOT MATTER AND OTHER OBJECTIONABLE MATERIAL.
4. GRADE EARTH ABUTMENTS NO STEEPER THAN 2:1.
5. DISPOSE OF MATERIAL IN APPROVED LOCATION.
6. IF CUTOFF TRENCH IS REQUIRED, EXCAVATE AT CENTER LINE OF DAM EXTENDING ALL THE WAY UP EARTH ABUTMENTS.
7. STONE SIZE TO BE DETERMINED BY ENGINEER.

**PROTECTION FROM PIPING:**

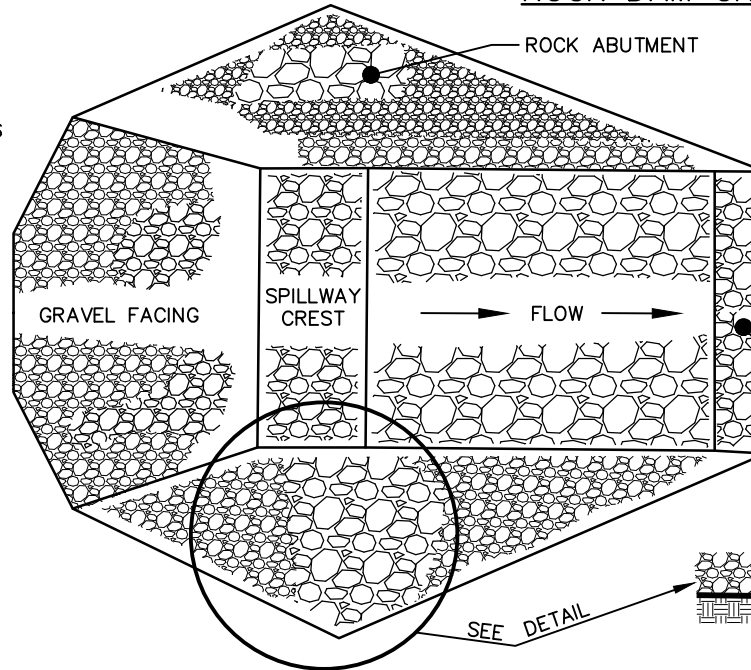
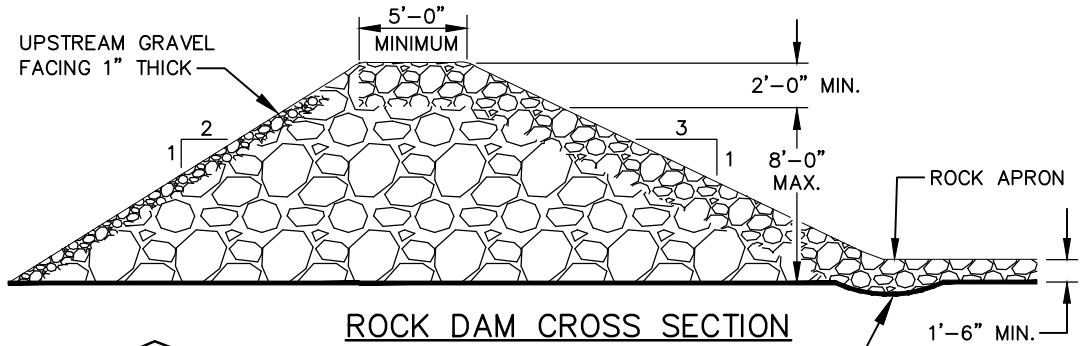
1. THE ENTIRE FOUNDATION INCLUDING BOTH EARTH ABUTMENTS MUST BE COVERED BY FILTER FABRIC, OVERLAP 1 FOOT AT ALL JOINTS, UPSTREAM STRIPS OVER DOWNSTREAM STRIP (SEE CROSS SECTION).
2. SMOOTH THE FOUNDATION AREA BEFORE PLACING FILTER FABRIC. BE CAREFUL PLACING ROCK ON FABRIC, IT MAY BE HELPFUL TO PLACE A 4 INCH LAYER OF SAND OVER FABRIC BEFORE PLACING ROCK.

**EMBANKMENT AND POOL:**

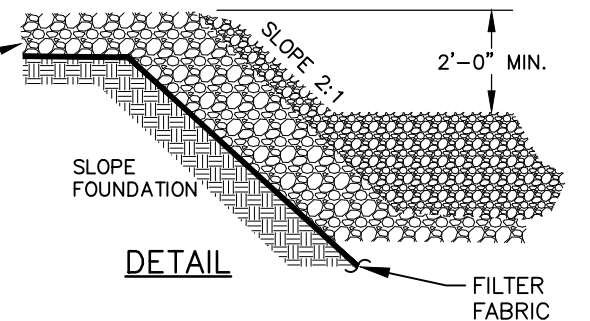
1. CONSTRUCT EMBANKMENT TO DIMENSIONS SHOWN ON PLANS, USE WELL GRADED HARD, ANGULAR, WEATHER-RESISTANT ROCK. ABUTMENTS MUST BE AT LEAST 2 FEET HIGHER THAN THE SPILLWAY CREST AND AT LEAST 1 FOOT HIGHER THAN THE DOWNSTREAM FACE OF DAM AT ALL POINTS. (SEE PLAN)
2. DIVERT SEDIMENT-LADEN FLOW TO UPPER END OF BASIN.
3. SET MARKER STAKE TO INDICATE CLEAN OUT ELEVATION WHERE SEDIMENT POOL IS 50% FULL.
4. STABILIZE ALL DISTURBED AREAS EXCEPT THE LOWER ONE-HALF OF SEDIMENT POOL AS SHOWN IN THE VEGETATION PLAN.

**SAFETY:**

SEDIMENT BASINS THAT IMPOUND WATER ARE HAZARDOUS. BASINS SHOULD BE DEWATERED BETWEEN STORMS. AVOID STEEP SLOPES. FENCES WITH WARNING SIGNS MAY BE NECESSARY IF TRESPASSING IS LIKELY. STATE AND LOCAL REQUIREMENTS MUST BE FOLLOWED.

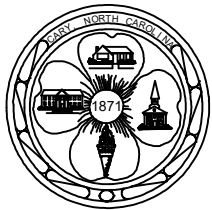


- MAINTENANCE:**
1. INSPECT ROCK DAM ONCE A WEEK AND AFTER EVERY RAINFALL.
  2. REMOVE SEDIMENT WHEN 1/2 FULL.
  3. REPLACE DISPLACED ROCK WEEKLY AND REPAIR IMMEDIATELY.



**PLAN WITH SPILLWAY DETAIL**

**DETAIL**



NTS

**STANDARD ROCK DAM DETAIL**

DETAIL No.

4000.17

EFFECTIVE: 07/01/24