

NOTES:

INSTALLATION

DIVERT RUNOFF FROM UNDISTURBED AREAS AWAY FROM THE BASIN (REFERENCE PRACTICE 6.20, "TEMPORARY DIVERSIONS"). DELAY CLEARING POND AREA UNTIL DAM IS IN PLACE.
 EXCAVATE FOUNDATION FOR APRON AND USE IT AS A TEMPORARY SEDIMENT BASIN DURING CONSTRUCTION OF DAM.
 CLEAR AND GRUB AREA UNDER DAM. REMOVING ALL ROOT MAT AND OTHER OBJECTIONABLE MATERIAL GRADE EARTH ABUTMENTS NO STEEPER THAN 1:1. DISPOSE OF MATERIAL IN APPROVED LOCATION.
 IF CUTOFF TRENCH IS REQUIRED, EXCAVATE AT CENTER LINE OF DAM, EXTENDING ALL THE WAY UP EARTH ABUTMENTS.

PROTECTION FROM PIPING

THE ENTIRE FOUNDATION INCLUDING BOTH EARTH ABUTMENTS MUST BE COVERED BY FILTER FABRIC. OVERLAP 1 FT AT ALL JOINTS, UPSTREAM STRIPS OVER DOWNSTREAM STRIP (SEE CROSS SECTION).

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

CONSTRUCT EMBANKMENT TO DIMENSIONS SHOWN ON PLANS. USE WELL GRADED HARD, ANGULAR, WEATHER-RESISTANT ROCK. ABUTMENTS MUST BE AT LEAST 2 FT HIGHER THAN THE SPILLWAY CREST AND AT LEAST 1 FT HIGHER THAN THE DOWNSTREAM FACE OF DAM AT ALL POINTS. (SEE PLAN)

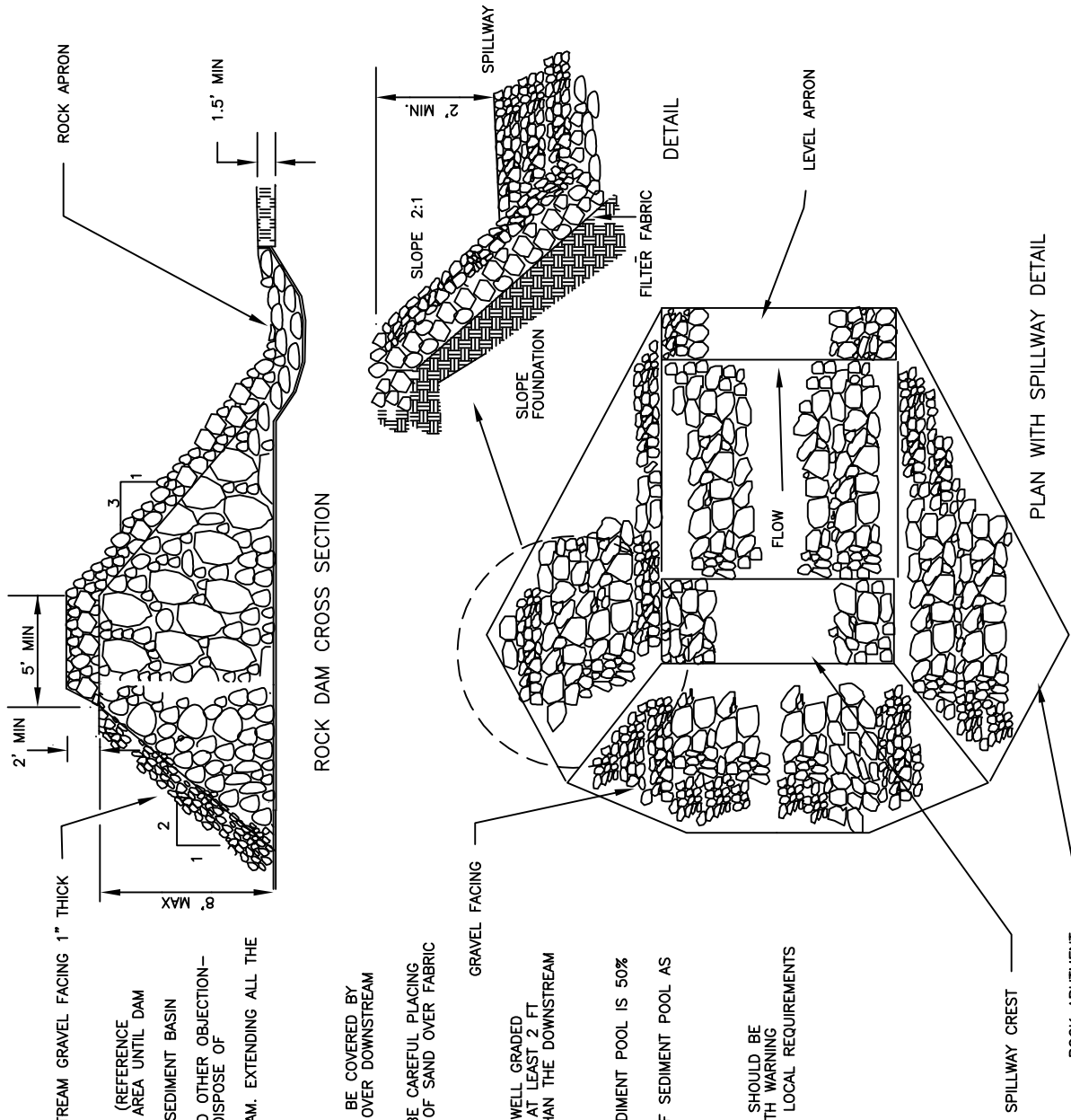
DIVERT SEDIMENT-LADEN FLOW TO UPPER END OF BASIN.

SET MARKER STAKE TO INDICATE CLEAN OUT ELEVATION WHERE SEDIMENT POOL IS 50% FULL.

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.



DATE	REVISED	SCALE
8/16/04	8/18/04	NOT TO SCALE

DETAIL	SE-4
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ROCK DAM DETAIL
 CITY OF BURLINGTON, NORTH CAROLINA
 ENGINEERING DEPARTMENT