TEMPORARY SEDIMENT BASIN
STONE SPILLWAY
10 ACRES.
3600 CUBIC FEET PER ACRE OF DISTURBED AREA.

435 SQUARE FEET PER CFS OF Q 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 6 FEET.

SUMMARY:
PRIMARY SPILLWAY:
MAXIMUM DRAINAGE AREA:
MINIMUM SEDIMENT STORAGE VOLUME:
MINIMUM SURFACE AREA:
MINIMUM LW RATIO:
MINIMUM DEPTH:
MAXIMUM HEIGHT:
DEWATERING MECHANISM:
MINIMUM DEWATERING TIME:
BAFFLES REQUIRED:
DESIGN BASIN LIFE:
DAM HEIGHT:

SLOPE FOUNDATION
STONE SPILLWAY
360 ACRES.
1200 CUBIC FEET PER ACRE OF DISTURBED AREA.

435 SQUARE FEET PER CFS OF Q 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 6 FEET.

SUMMARY:
PRIMARY SPILLWAY:
MAXIMUM DRAINAGE AREA:
MINIMUM SEDIMENT STORAGE VOLUME:
MINIMUM SURFACE AREA:
MINIMUM LW RATIO:
MINIMUM DEPTH:
MAXIMUM HEIGHT:
DEWATERING MECHANISM:
MINIMUM DEWATERING TIME:
BAFFLES REQUIRED:
DESIGN BASIN LIFE:
DAM HEIGHT:

WEIR ELEVATION
MIN 1.5 THICK ROCK APRON
CUT-OFF TRENCH
FILTER FABRIC

1' MIN NCDOT #5 OR #57 WASHED STONE
CLASS I AND II RIP-RAP

5' LEVEL APRON
2' MIN

CROSS-SECTION VIEW

SEE N.C. DENR SEDIMENT DESIGN MANUAL FOR CONSTRUCTION SPECIFICATIONS, WHERE PRACTICE APPLIES AND PLANNING CONSIDERATIONS.