DESIGN CRITERIA

SUMMARY:
- PRIMARY SPILLWAY: STONE SPILLWAY
- MAXIMUM DRAINAGE AREA: 1 ACRE
- MINIMUM VOLUME: 3600 CU FT PER ACRE OF DISTURBED AREA
- MINIMUM SURFACE AREA: 435 SQ FT PER CFS OF Q25 PEAK FLOW
- MINIMUM LOW RATIO: 2:1
- MINIMUM DEPTH: 3.5 FEET, 1.5 FEET EXCAVATED BELOW GRADE
- MAXIMUM HEIGHT: WEIR ELEVATION 3.5 FEET ABOVE GRADE
- STONE SPILLWAY
- DRAINAGE MECHANISM: MINIMUM DEWATERING TIME: N/A
- BAFFLES REQUIRED: 3 MINIMUM (COR OR JUTE) MESH
- MIN WEIR (COR)
- DRAINAGE MECHANISM: N/A
- BAFFLES REQUIRED: 3 MINIMUM (COR OR JUTE) MESH
- MIN WEIR (COR)

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

NOTES:
- SEE N.C. DEQ EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN GUIDELINES.
- 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.