

____ 4. Proper relation between the elevations of the principal spillway crest, the emergency/token spillway crest, and the top of the dam should meet SCS MD-378 criteria.

Minimum Information Required

____ 1. A signed certification statement and seal by a Professional Engineer

____ 2. A signed certification statement and seal by a Professional Geotechnical Engineer

____ 3. Plan view

- a. Show the length, width, and depth, or contours of the pool area in **Red** so As-Built volume can be verified
- b. Trees, shrubs, other woody vegetation (show in **Green**) are not allowed within 15 feet of any portion of the embankment
- c. A minimum of three (3) NAD 83m x,y coordinates

____ 4. Profile along Centerline of Dam

- a. Profile the top of Dam – elevation at stations (the top of fill elevation plus the allowance for settlement)
- b. Approximate original ground line
- c. Top of impervious core embankment (10 Year DHW minimum, Unified Soil Classification GC, SC, CH, or CL) compaction meets SCS-MD378 specifications
- d. Approximate bottom of cut off trench (4 feet minimum or deeper if required, Unified Soil Classifications GC, SC, CH, or CL) compaction meets SCS-MD378 specifications
- e. Principal spillway location (station and elevation)
- f. Emergency or token spillway – location, bottom, width and side slopes (in undisturbed earth only)

____ 5. Profile – Principal Spillway

- a. Top of dam width and side slopes must be equal to or flatter than design
- b. Emergency or token spillway crest elevation
- c. Top of impervious core embankment (10 year DHW minimum)
- d. Cut-off trench bottom width, slopes, depth
- e. High water elevations (As-Built) WQ_v , CP_v , 2- 10- and 100- year storms
- f. Riser (reinforce concrete or metal) size, type, riser crest elevation, corrugation size, gauge
- g. Low stage orifice size, material, invert elevation
- h. Low flow state trash rack size, material, dimensions
- i. Low flow stage drain pipe size, type, length, invert elevation, corrugation size, gauge
- j. Barrel (Reinforce concrete or metal) size, corrugation size, gauge, invert elevations, length, concrete pipe classification.
- k. Concrete bedding
- l. Phreatic Line (from 10 year DHW minimum)
- m. Sand Diaphragm or Anti-seep collars size, spacing, material
- n. Outfall type, material, size, dimensions, filter cloth

- ___ 6. Profile – Emergency or Token Spillway
 - a. Twenty-five (25) feet minimum level section and elevation
 - b. Slope protection – type, material, size, dimensions, filter cloth
 - c. Slope of exit section – may be 1-2% steeper, but no flatter than the design and no narrower than the design

- ___ 7. Section – Emergency or Token Spillway (may be shown on Dam profiles)
 - a. Width of level section
 - b. Dimensions, side slopes, material size

- ___ 8. Sand Diaphragm and Anti-Seep Collars
 - a. Type, material, dimensions
 - b. Detail and Construction Specifications

- ___ 9. Anti-Vortex and Trash Rack Device
 - a. Size, type, material and its elevations in relation to the principal spillway riser crest, corrugation size, gauge, dimensions
 - b. Detailed construction specifications
 - c. Details

- ___ 10. Infiltration and sand filter BMPs
 - a. Type, dimensions, filter material, filter cloth, pipe, detail

- ___ 11. Elevation/Storage Chart with design elevations and volumes with As-Built elevations and volumes for comparison

- ___ 12. Notice of Completion Form filled out, signed and sealed by Engineer

- ___ 13. Submit photos showing the complete view of the facility verifying readiness for As-Built Inspection

- ___ 14. Landscaping for ESD practices

- ___ 15. ESD Practices
 - a. Location of proposed practices
 - b. Structural details including representative cross sections for all components of the proposed drainage system or systems. And stormwater management facilities