As-Built Stormwater Management Plan Checklist

Project Name:_____

Tax Map_____ **Parcel**_____ **Acreage**_____ **Plat**_____

Owner's Name:_____

Contract Purchaser's Name:_____

Address	City/Town	State	Zip Code

Engineer/Surveyor:_____

For additional contact:_____

Name:_____

Any proposed major change or deviation from the original approved plan must be redesigned and revised plans submitted to Department of Public Works for approval prior to the performance of the work.

Legend

√ Acceptable	**X** Not Acceptable	**NA** Not Applicable
R Required Not Submitted	**INC** Incomplete	**NR** Not Reviewed

Submittal (Final Approval)

____1. One (1) redlined Stormwater Management paper plan set signed and sealed by Professional Engineer and Professional Geotechnical Engineer and scanned file in PDF format.

____2. One (1) paper copy of sealed geotech reports and one (1) compaction report and scanned file in PDF format.

____3. One (1) signed and sealed Stormwater Management computations (if computations changed due to construction) and scanned file in PDF format.

____3. One (1) scanned, signed and sealed Stormwater Management computations in PDF format if computations changed due to construction

Method

____1. The minimum information shall be shown in **red** on the print copy with "**As-Built**" in the lower right corner of each sheet

____2. A **red** check mark ✓ may be made beside planned values if they were constructed to the design values. For changed values, ~~strike through~~ the planned value and enter the actual value.

____3. Elevations to the nearest 0.1' are sufficient

____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 that 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 Devise

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