As-Built Stormwater Management Plan Checklist

Project Name: _____

Tax Map _____ **Parcel** _____ **Acreage** _____ **Plat** _____ **ADC Map & Grid** _____

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 (1st Review)

____1. Two (2) folded redlined Stormwater Management plan copy sets

____2. Two (2) sealed geotech reports and two (2) compaction reports

____3. Two (2) sealed copies of Stormwater Management computations (if computations changed due to construction)

Submittal (Final Approval)

____1. One (1) rolled redlined mylar set of plans signed and sealed by both the Professional Engineer in charge and the Professional Geotechnical Engineer

____2. Two (2) folded redlined Stormwater Management plan sets

____3. One (1) CD of scanned redlined Stormwater Management plans in PDF format with a minimum of three NAD 83m coordinates.

____4. One (1) CD of 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 and final mylar with "As-Built" in the lower right corner of each sheet

____2. A check mark may b made beside planned values if they were actually constructed to the design values. For changed values, line out the planned value and enter the actual value.

____3. Elevations to the nearest 0.1' are sufficient

____4. There must be the proper relation between the elevations of the principal spillway crest, the emergency/token spillway crest, and the top of the dam. All of these elevations should meet SCS-MD378 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 that as-Built volume can be verified
b. Trees, shrubs, other woody vegetation – show in Green, 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 if impervious core embankment (10 year DHW minimum)
d. Cut-off trench bottom width, slopes, depth
e. High water elevations (As-Built) WQv, CPv, 2, 10, and Ultimate 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, guage, invert ilevations, 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