KEVIN KAMENETZ
County Executive

VINCENT J. GARDINA, *Director*
Department of Environmental Protection and Sustainability

AS-BUILT STORM WATER MANAGEMENT POND CHECKLIST

PROJECT NAME: _____

Any major change or deviation from the original plan must be redesigned and revised plans submitted to the Baltimore County Department of Environmental Protection & Resource Management (DEPRM), and Baltimore County Soil Conservation District (BCSCD), prior to the performance of the work.

LEGEND FOR REVIEW CHECKLIST:

✓	Accepted	**X**	Not Accepted	**Inc.**	Incomplete
NA	Not Applicable	**R**	Required, not submitted	**NC**	Not Checked

A. Method:

____ 1. The minimum information shall be shown in red on the approved stormwater print with "As-Built" in the lower right corner of each sheet.
____ 2. A check mark (✓) may be made beside planned values if they were the actually constructed 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 dam. All of these elevations should meet SCS-MD 378 criteria.
____ 5. Storm water management must be provided and meet SCS-MD 378 specifications.

B. Minimum Information Required:

____ 1. A certification statement and seal by a Professional Engineer acting as the Engineer-in-charge that the As-Built plan is accurate, complete and that the pond, as constructed, meets the requirements of the Standards and Specifications for Ponds (SCS-MD 378).

____ 2. 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 25 ft. of the inlet structure and not allowed on or within 15 ft. of any portion of a fill embankment.

____c. Update Design Summary:
Facility Inflow, Facility Discharge, Water Surface Elevation, Storage Volume.

____ 3. Profile - Along Center Line (C^L) of Dam:

____a. Profile of the top of dam-elevation at stations (the top of fill elevation must be no less than the design 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-MD 378 Specifications.

____d. Approximate bottom of cut-off trench (4ft. minimum or deeper if required, Unified Soil classification GC, SC, CH or CL). Compaction meets SCS-MD 378 Specifications.

____e. Principal Spillway location (station and elevation).

____f. Emergency or Token Spillway - location, bottom width and side slopes (in un-disturbed earth only).

____g. Verify minimum freeboard

____ 4. 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) 1, 2, 10, 100, & ultimate 100-year storms.

____f. Riser (Reinforced concrete or metal) - size, type, riser crest elevation, corrugation size, gauge.

____g. Low stage orifice-size, material, invert elevation.

____h. Low stage trash rack-size, material, dimensions.

____I. Low stage drain pipe-size, type, length, invert elevation; corrugation size, gauge.

____j. Barrel (Reinforced concrete or metal) - size, type, corrugation size, gauge, invert elevations (inlet and outlet), length, concrete pipe classification (B-25 or C-25).

____k. Concrete bedding (Concrete Pipes only) dimensions.

____l. Phreatic line (from 10 year DHW minimum).

____m. Anti-seep Collars (Reinforced concrete or metal), number, spacing, size, gauge (metal - same as barrel).

____n. Outfall - type, material size, dimension, filter cloth.

____o. As-Built Q's and V's for applicable storms.

____5. Profile - Emergency or Token Spillway:

____a. Twenty five (25) foot 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.

____6. Section - Emergency or Token Spillway (may be shown on dam profile):
- ____a. Width of level section.
- ____b. Dimensions, side slopes, material size.

____7. Anti-Seep Collars (Reinforced Concrete or Metal):
- ____a. Type, material, dimensions.
- ____b. Detail and construction specifications.

____8. 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. Detail and construction specifications.

____9. Infiltration Pit:
- ____a. Type, dimensions, material size, filter cloth.
- ____b. Detail.

____10. Elevation/Storage chart with design elevations and volumes with As-Built elevations and volumes for comparison include 1, 2, 10, 100, and ultimate 100-year storm and emergency/token spillway elevations.

____11. Existing and Proposed Drainage Area Maps must be included in As-Built plan set. A digital version of Existing and Proposed Drainage Area Maps must also be submitted (CAD or GIS) to the project engineer as an electronic file (compressed .dwg, .dxf, .dgn, .shp, or .gdb).

____12. Three (3) pond summary sheets (February 1993 or latest) with As-Built corrections marked in red.

____13. SCD-MD 378 Pond Specifications (Nov. 1992 or latest).

____14. Tax account property number for Baltimore County in lower right of 1st As-Built plan sheet.

____15. Submit photos showing the complete view of facility verifying readiness for As-Built inspection.

PROJECT ENGINEER _____

Review # and Date _____