Project: _____ Date: _____

Small Pond Approval No.: _____

CONSTRUCTION INSPECTION CERTIFICATION CHECKLIST FOR CODE 378 EMBANKMENTS				
ACTIVITY	**TEST RESULTS**	**✓ YES ✗ NO N/A = NOT APPLICABLE**	**INSPECTION**	
			INITIALS	**DATE**
1. SITE PREPARATION				
Pre-construction meeting conducted with the inspector, contractor, and certifying engineer				
Sediment controls and/or flow diversions in place				
Protection areas flagged				
Grading accurately staked out				
Objectionable material removed from immediate area				
2. CUT-OFF TRENCH EXCAVATION				
Located at centerline of embankment				
Cut-off trench extended down to impervious soil				
Length, depth, width, side slopes correct				
Subgrade dry and stable				
Area beneath embankment stripped of all vegetation, topsoil, and organic matter				
3. CUT-OFF BACKFILLE				
Material free of large stones, roots, etc.				
Layers placed in 8-inch lifts continuous for entire trench length				
Compaction and moisture content tested every 50 feet (geotech)				
Cut-off trench material tested & classified (geotech)				
4. PRINCIPAL SPILLWAY CONSTRUCTION AND BACKFILLING				
Pipe spillway:				
Pipe placed prior to construction of embankment				
Pipe size, material, and class correct				
Soil compaction under and adjacent to pipe				
No gravel under spillway				
Full concrete cradle provided for concrete pipe				
Watertight joints				
Anti-seep collar location and size correct				
Concrete anti-seep collar(s) and cradle installed with monolithic pour				
Structural backfill specification followed (geotech)				
Riser:				
Overall dimensions and openings correctly located				
Base dimensions correct				
Concrete strength and bearing capacity acceptable (geotech)				
watertight joints				
Drain				
For weir spillway:				

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			INITIALS	**DATE**
Footing excavated on stable subgrade (geotech)				
5. EMBANKMENT CONSTRUCTION				
Impervious core length, depth, width, side slopes correct				
Material free of large stones, roots, etc.				
Layers placed in 8-inch lifts continuous for entire core length				
Compaction and moisture content tested every 50 feet along core (geotech)				
Impervious core material tested & classified (geotech)				
Filter diaphragm diemensions and placement				
Seepage drain pipe, perforation size, and spacing correct				
No geotextile in filter diaphragm or seepage drain				
Filter diaphragm diemensions and placement				
Filter diaphragm material tested & classified (geotech)				
Filter diaphragm compaction tested (geotech)				
Embankment soil material tested & classified (geotech)				
Compacted in 8-inch lifts				
Embankment compaction tested every 5000 sf (geotech)				
Elevation correct (survey)				
Top width and side slopes correct (survey)				
No equipment driven within 4-ft of spillway				
6. EMERGENCY SPILLWAY				
Construct in natural ground				
Elevation correct				
Width and side slopes correct				
Level section, length correct				
Exit slope				
7. POND EXCAVATION				
Elevation and topography of pond bottom graded to plan (survey)				
Pond side slopes correct				
Bench widths and locations correct				
Maintenance access location, width, and slope acceptable				
8. SPILLWAY OUTFALL PROTECTION				
Outfall protection channel excavated to design cross-section				
Filter fabric in place				
Stone size correct				

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			INITIALS	**DATE**
9. STABILIZATION AND LANDSCAPING				
Topsoil, seed, and mulch applied to site				
Topsoil, seed, and mulch applied to embankment				
Landscaping consitent with plan (Landscape Architect)				
No trees/woody growth planted within 15-ft of embankment or 25-ft of riser				
Inspector's name: _____				
Company or agency: _____				
Certifying Engineer's Name: _____				
[1]THIS INSPECTION CHECKLIST WILL BE COMPLETED AND SUBMITTED WITH THE AS-BUILT DOCUMENTATION				
[2]CONTRACTOR IS REQUIRED TO NOTIFY INSPECTOR, GEOTECHNICAL ENGINEER, AND ENGINEER-IN-CHARGE PRIOR TO BEGINNING EACH ACTIVITY				
[3]THIS IS A SAMPLE OF THE MINIMUM INFORMATION THAT REQUIRES CONSTRUCTION MONITORING AND INSPECTION BY ENGINEER-IN-CHARGE WHO IS RESPONSIBLE TO CREATE A SCHEDULE THAT INCLUDES ALL PHASES OF CONSTRUCTION OF THE POND THAT WILL REQUIRE MONITORING AND INSPECTION DURING CONSTRUCTION				

NOTE: PROVIDE ONE CHECKLIST FOR EACH POND/STRUCTURE