

Appendix I-C

Engineer's Construction Inspection Report Form

ENGINEER'S CONSTRUCTION INSPECTION REPORT FORM

Project Name: _____

Project Number: _____

Location (address, or other): _____

Stormwater Ponds (detention, infiltration, wetponds, etc.):

1. Type: _____

2(a). After pond construction, have infiltration tests and/or soil logs been completed? _____

2(b). Indicate test results and compare with design criteria (pre-construction soils information). Do the post-construction values indicate a need to modify system design? Explain. _____

3. Outlet Type _____

4. Field verify orifices, weirs, overflow at correct elevation: (Y/N) _____

Comments: _____

5. Field verify orifices, weirs, etc. of correct size per design plans: (Y/N) _____

Comments: _____

6. Emergency Spillway at correct elevation, slope, width, adequately armored, etc. (Y/N)

Comments: _____

7. As-built of pond volume verified based on field survey: (Y/N) _____

As-built volume at Max water elevation: _____ Cubic Feet

- 8. Pond side slopes per design: _____
- 9. Pond landscaping completed per design: _____

- 10. Pond inlet pipes and swales adequately armored: _____

- 11. Pond outlet pipe is adequately armored to prevent erosion: _____

- 12. Amended soils placed per design (if applicable): _____

Water Quality Treatment Facility:

- 1. Facility dimensions (width, length, depth, slope, etc.) per plans based on field survey:
Comments: _____

- 2. Level spreaders constructed per plan and field verified: (Y/N) _____
- 3. Amended soils meet specifications and placed per plans and specifications:
(Y/N) _____, Depth of amended soil: _____ inches. Comments: _____

- 4. Swale bottom sodded and sideslopes seeded per design seed mix: (Y/N): _____
Comments: _____

- 5. Plantings installed per planting plan (quantity, type and quality): (Y/N): _____

6. Grass established and growing (swale bottom & slopes) _____

Conveyances

1. Channels properly graded, sloped, planted, etc. _____

2. Storm sewers are at proper grade, inlets as designed, trenches as designed, pipe bedding properly prepared, backfilling procedures correct, materials as specified, etc. _____

Dispersion & Post-Construction Soil Quality/Depth:

1. Have all required disturbed areas had amended soils placed of the type and amount required: (explain) _____

2. Are areas designated for stormwater dispersion undisturbed and protected from encroachment by signage and fencing as required: _____

3. Have disturbed areas of native vegetation required to remain undisturbed been replanted and restored per Best Management Practices: _____

4. Are level spreaders and rock dispersion pads in place and functioning correctly: _____

5. Inspect dispersion areas and verify that no short circuiting, channeling, etc. is occurring to prevent sheet flow treatment of stormwater: _____

Roof Leaders:

1. Do roof leaders drain to infiltration trenches, drywells or rain gardens as shown on the plans (if applicable). _____

2. If roof drain dispersion is used, do splash blocks direct roof runoff to amended soils, do contributing areas of different roof drains meet convergence criteria and is there adequate dispersion length through native vegetation or amended soils as required by Best Management Practices? _____

Erosion Control:

1. Describe erosion temporary erosion and sediment control measures used during project construction: _____

2. Describe temporary erosion and sediment controls remaining in place pending full site stabilization: _____

3. What final site stabilization still needs to occur prior to removing final temporary erosion and sediment control facilities: _____

4. During construction were there any discharges of sediment laden waters to water bodies, wetlands or to adjacent properties? If so, what measures were taken to mitigate impacts: _____

5. Are permanent erosion control measures in place and as designed? _____

Signature and Seal:

I or someone under my direct supervision have adequately inspected the project during construction and to the best of my knowledge the project was built according to the approved plans and specifications except as noted above.

Signature/Date: _____