**Construction of Permanent Stormwater BMPs/Facilities Inspection Checklist**

Objective: Inspections conducted during construction activities should verify proper installation and maintenance of permanent best management practices (BMPs).

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| **Project Information** | |  | |
| Project Name: | | Project/Permit Number: | |
| Location: | | | |
| **Property Owner Information**  Owner Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Owner Phone Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Owner Email Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | **Inspection Information**  Inspector Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Date of Inspection: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Time of Inspection: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| **Contractor Information**  Contractor Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Lead Contact Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Lead Phone Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Lead E-mail Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | **Certified Erosion and Sediment Control Lead (CESCL)**  CESCL Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  CESCL Certification Expiration Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  CESCL Phone Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  CESCL E-mail Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
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| Is the inspection occurring:  After a holiday?  On a Monday morning? | On a Friday afternoon?  Before a predicted storm? | | During a storm?  After a storm? (<24 hours) |
| Does the contractor have appropriate documentation onsite or within reasonable access to the site? | | | |
| Yes  Action required  N/A | | Site Map/Plan  Construction SWPPP  Soil and Vegetation Management Plan  ESC Plan  Daily Log  Discharge monitoring reports (DMRs)  Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

**Protection of Permanent Stormwater BMPs/Facilities**

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| Item # | Inspection Item | Applicable BMPs/Specifications | Satisfactory? |
| 13A | Are the following clearly marked and in good condition?   * LID BMPs (infiltration and dispersion) | * Flagging * High visibility fence * Silt fence | Yes  Action required  N/A **N/A** |
| 13B | Have LID BMPs (infiltration and dispersion) been protected from:   * Siltation * Compaction | * Construction sequencing | Yes  Action required  N/A |
| 13C | Were precautions taken in the choice of excavation equipment? | * Lightweight, low ground-contact pressure equipment * Machinery (e.g., backhoe/excavator); only operated outside permanent BMP (except for permeable pavement) | Yes  Action required  N/A |
| 13D | Are protective surfaces placed over any permeable pavement areas used for construction staging? | * Waterproof tarps * Steel plates | Yes  Action required  N/A |
| 13E | Have proper soil amendments been provided in planting and turf/lawn areas? | * See Post-Construction Soil Quality and Depth BMP in the Stormwater Management Manual for Western Washington | Yes  Action required  N/A |
| 13F | Has appropriate vegetation and mulch been installed? | * Site is permanently stabilized | Yes  Action required  N/A |

**Bioretention/Rain Gardens Installation**

| Item # | Inspection Item | Applicable BMPs/Specifications | Satisfactory? |
| --- | --- | --- | --- |
| B-1 | Are curb and gutters blocked during \_\_\_\_\_\_\_?  Bioretention soil media (BSM) installation  Mulch installation  Planting activities | * Block and gravel barrier * Sandbag berm * Rock berm | Yes  Action required  N/A |
| B-2 | Did appropriate actions occur following excavation and prior to BSM placement? | * Sediment deposits removed * Subgrade raked/scarified to ≥ 3 inches | Yes  Action required  N/A |
| B-3 | Was the underdrain installed correctly? | * Pipe meets design specs * Aggregate meets design specs * Not wrapped in geotextile fabric | Yes  Action required  N/A |
| B-4 | Was the BSM installed correctly? | * Meets design specs * < 6 inches per layer * Compacted to 85% of maximum dry density | Yes  Action required  N/A |
| B-5 | Did appropriate actions occur following BSM installation and prior to planting? | * Compaction inspected * BSM/rain garden soil aerated prior to planting if compaction is observed | Yes  Action required  N/A |
| B-6 | Was the BSM installed at the proper grade and the required ponding depth provided below the overflow? | * Cell is not overfilled with mulch and BSM * Required ponding depth is provided | Yes  Action required  N/A |

| Permeable Pavement Installation | | | |
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| Item # | Inspection Item | Applicable BMPs/ Specifications | Satisfactory? |
| P-1 | Did appropriate actions occur following excavation and prior to aggregate base placement? | * Sediment deposits removed * Subgrade raked/scarified to ≥ 3 inches | Yes  Action required  N/A |
| P-2 | Was the subgrade properly prepared and protected? | * Planned construction sequencing followed * Subgrade inspected and approved prior to placement of base materials * Subgrade not used for construction access or staging | Yes  Action required  N/A |
| P-3 | Was the impermeable liner installed correctly? | * Liner meets design specs * No tears * ≥ 2 inches of slack where liner is mechanically fastened * Attached to perimeter wall after backfilling * Liner properly bedded to avoid punctures | Yes  Action required  N/A |
| P-4 | Was the subsurface overflow installed correctly? | * Pipe meets design specs * Aggregate meets design specs * Not wrapped in geotextile fabric | Yes  Action required  N/A |
| P-5 | Was the cleanout installed correctly? | * Cleanout meets design specs * Covers are installed and watertight | Yes  Action required  N/A |
| P-6 | Was the orifice installed correctly? | * Orifice plate installed in the appropriate location per design specs | Yes  Action required  N/A |
| P-7 | Did appropriate actions occur following excavation and prior to aggregate base placement? | * Base materials protected from contamination * Contaminated material replaced * Aggregate materials meet design specs | Yes  Action required  N/A |
| P-8 | Was the water quality treatment course (optional layer) installed correctly? | * Compaction within the appropriate range | Yes  Action required  N/A |
| P-9 | Did appropriate actions occur prior to wearing course placement? | * Materials and admixtures protected from contamination * Materials protected from damage by equipment, vehicles, and/or weather | Yes  Action required  N/A |
| P-10 | Was the porous asphalt installed correctly? | * Delivered asphalt meets design specs for binder and gradation (verify load tickets) * No deviation from design line and grade * Uniform surface texture * At least one inspection occurs during installation of porous asphalt | Yes  Action required  N/A |
| P-11 | Was the pervious concrete installed correctly? | * Number and type of National Ready Mixed Concrete Association (NRMCA) certified personnel meets design specs * Test panel meets design specs * Conformance to job mix formula (verify load tickets, plastic unit weight) * No deviation from design line and grade * Uniform surface texture (no raveling, no areas of smeared paste, free of ridges/cracks) * At least one inspection occurs during installation of pervious concrete | Yes  Action required  N/A |
| P-12 | Were the permeable pavers and/or grass/gravel pave installed correctly? | * Meets design specs | Yes  Action required  N/A |
| P-13 | Did appropriate actions occur once the pavement was finished and set? | * Pavement covered with plastic to facilitate proper curing * Covered with geotextile, steel plates, etc. to protect from other construction activities | Yes  Action required  N/A |

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| **Notes/Comments:** | | | | |
| **Summary of Corrective Actions**  Are corrective actions needed?  Yes, see following table  No, none required | | | | |
| **Item#** | **Description and Location** | **Action Required** | **Completion Date** | **Initials** |
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*Attach additional page(s) if needed.*