**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.*