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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).

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: _____

Is the inspection occurring:

☐ After a holiday? ☐ On a Friday afternoon? ☐ During a storm?
☐ On a Monday morning? ☐ Before a predicted 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

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
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

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

Permeable Pavement Installation

Item #	Inspection Item	Applicable BMPs/ Specifications	Satisfactory?
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

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

Attach additional page(s) if needed.