

**CITY OF SEATTLE**

**ORDINANCE \_\_\_\_\_**

**COUNCIL BILL \_\_\_\_\_**

AN ORDINANCE relating to the Stormwater Code Update; amending Chapters 22.800, 22.801, 22.802, 22.803, 22.805, and 22.807 of the Seattle Municipal Code.

WHEREAS, ...; NOW THEREFORE,

**BE IT ORDAINED BY THE CITY OF SEATTLE AS FOLLOWS:**

Section 1. Chapter 22.800 of the Seattle Municipal Code, last amended by Ordinance 126336, is amended as follows:

**Chapter 22.800 TITLE, PURPOSE, SCOPE, AND AUTHORITY**

\* \* \*

**22.800.040 Exemptions, adjustments, and exceptions**

**A. Exemptions**

1. The following land uses are exempt from the provisions of this subtitle:

a. Commercial agriculture, including only those activities conducted on lands defined in RCW 84.34.020(2), and production of crops or livestock for wholesale trade; and

b. Forest practices regulated under Title 222 Washington Administrative Code, except for Class IV general forest practices, as defined in WAC 222-16-050, that are conversions from timber land to other uses.

2. The following land disturbing activities are ~~((not required to comply with))~~ exempt from the specific minimum requirements listed below.

a. Maintenance, repair, upgrade, or installation of underground or overhead utility facilities, such as, but not limited to, pipes, conduits and vaults, ~~((and))~~ that ~~((includes replacing))~~ replaces the ground surface with in-kind material or materials with similar runoff characteristics ~~((are not required to comply with))~~ is exempt from Section 22.805.070 (Minimum requirements for on-site stormwater management), Section 22.805.080 (Minimum requirements for flow control), ~~((or))~~ and Section 22.805.090 (Minimum requirements for treatment), except ~~((as modified as follows))~~:

1) Installation of underground or overhead utility facilities that are integral with and contiguous to a trail or sidewalk project, parcel-based project, or a road-related project ~~((shall))~~must comply with Section 22.805.040 (Minimum requirements for trail and sidewalk projects), Section 22.805.050 (Minimum requirements for parcel-based projects) or Section 22.805.060 (Minimum requirements for roadway projects), respectively.

b. Pavement maintenance practices, as defined in Section 22.801.170, ~~((limited to the following activities))~~ are ~~((not required to comply with))~~ exempt from ~~((Section 22.805.060 (Minimum requirements for roadway projects);))~~ Section 22.805.070 (Minimum requirements for on-site stormwater management), Section 22.805.080 (Minimum requirements for flow control), ~~((or))~~ and Section 22.805.090 (Minimum requirements for treatment), except:

- ~~1) ((Pothole and square cut patching;~~
- ~~2) Overlaying existing asphalt or concrete or brick pavement with asphalt or concrete without expanding the area of coverage;~~
- ~~3) Shoulder grading;~~
- ~~4) Reshaping or regrading drainage ditches;~~
- ~~5) Crack sealing; and~~

~~6) Vegetation maintenance))~~ Pavement maintenance practices that are integral with and contiguous to a parcel-based project or a road-related project must comply with Section 22.805.050 (Minimum requirements for parcel-based projects) or Section 22.805.060 (Minimum requirements for roadway projects), respectively.

c. Land disturbing activity that includes replacing the ground surface with in-kind material or with materials having equivalent runoff characteristics and is associated solely with soil remediation or tank removal for the purpose of removing contaminants and pollutants and not associated with other development is not required to comply with subsections 22.805.050.A and 22.805.060.A (Soil amendment), Section 22.805.070 (Minimum requirements for on-site stormwater management), or Section 22.805.080 (Minimum requirements for flow control). Projects that include any development in addition to soil remediation or tank removal ~~((replaced with in-kind material or with materials having equivalent runoff characteristics))~~ are not exempt.

d. Drainage control facilities that are part of a public retrofit project installed to meet Appendix 12 to the City's municipal stormwater NPDES permit or for combined sewer control, or other voluntary retrofit project, are not required to comply with Section 22.805.070 (Minimum requirements for on-site stormwater management), Section 22.805.080 (Minimum requirements for flow control), or Section 22.805.090 (Minimum requirements for treatment). This exemption does not include land disturbing activities or hard surfaces that are not integral ~~((to))~~ with or are in addition to the drainage control facilities described above, or installation of drainage control facilities that are otherwise required to meet this subtitle.

e. Additional work associated with an activity exempted by this subsection 22.800.040.A.2 that is necessary to comply with the federal Americans with Disabilities Act is included in the exemption granted.

\* \* \*

## **22.800.070 Minimum requirements for City agency projects**

A. Compliance. A City ~~((agencies))~~ agency shall comply with all the requirements of this subtitle except as specified below:

1. City agencies are not required to obtain permits and approvals under this subtitle for work performed within a public right-of-way or for the operation and maintenance of city park lands, ((other than)) except for inspections as set out in subsection 22.800.070.B and review and approval when applying roadway project infeasibility as provided in subsection 22.805.060.E ~~((, for work performed within a public right of way or for work performed for the operation and maintenance of park lands under the control or jurisdiction of the Department of Parks and Recreation. Where the work occurs in a public right of way, it shall also comply with Title 15, Street and Sidewalk Use, including the applicable requirements to obtain permits or approvals))~~.

2. A City agency project ~~((, as defined in Section 22.801.170,))~~ that is not required to obtain permit(s) and approval(s) pursuant to subsection 22.800.070.A.1 and meets all of the conditions set forth below, is not required to comply with the amendments to Sections 22.800.020 through 22.808.110 that take effect on July 1, ~~((2024))~~ 2026, except the amendments to this subsection 22.800.070.A.2.

a. The project begins land disturbing activities ~~((within five years of the effective date of this subtitle))~~ before July 1, 2031; and

b. The project complies with the Stormwater Code that was made effective ~~((January 1, 2016))~~ July 1, 2021, by Ordinance ~~((124872))~~ 126336 which requires compliance with Directors' Rules SDCI ~~((17-2017))~~ 10-2021/SPU DWW 200 effective ~~((January 1, 2016))~~ July 1, 2021; and

c. The project ~~((meets one or more of the following criteria))~~ is financed in whole or in part by funds:

1) ~~((Project funding was appropriated as identified in Ordinance 126237 titled, "An ordinance adopting a budget, including a capital improvement program and position modifications, for The City of Seattle for 2021"))~~ Appropriated by ordinance as part of the fiscal year 2026 budget; or

2) ~~((Project received or will receive voter approval of financing))~~ Approved by voters before ~~((January 1, 2021))~~ July 1, 2026; or

3) ~~((Project received or will receive funds based on))~~ pursuant to a grant ((application(s))) application submitted before ~~((January 1, 2021))~~ July 1, 2026.

#### B. Inspection

1. When the City conducts projects for which review and approval are required under Chapter 22.807 (Drainage control review and application requirements) the work shall be inspected by the City agency conducting the project or supervising the contract for the project. The inspector for the City agency shall be responsible for ascertaining that the drainage control is done in a manner consistent with the requirements of this subtitle.

2. A City agency need not provide an inspector from its own agency provided either:

1 a. The work is inspected by an appropriate inspector from another City  
2 agency; or

3 b. The work is inspected by an appropriate inspector hired for that purpose  
4 by a City agency; or

5 c. The work is inspected by the licensed civil or geotechnical engineer  
6 who prepared the plans and specifications for the work; or

7 d. A permit or approval is obtained from the Director of SDCI, and the  
8 work is inspected by the Director.

9 C. Certification of compliance. City agencies shall meet the same standards as non-City  
10 projects, except as provided in subsection 22.800.070.A, and shall certify that each individual  
11 project meets those standards.

12 \* \* \*

13 **22.800.100 ((Transition to revised)) Stormwater Code vesting**

14 A. ~~((Any building or grading permit issued prior to June 30, 2020, (1) which was not~~  
15 ~~considered, either in the initial application process or in a renewal process, under the version of~~  
16 ~~the Stormwater Code in effect on or after January 1, 2016, and (2) pursuant to which~~  
17 ~~construction has not started by June 30, 2020, shall expire on June 30, 2020.~~

18 ~~B. Any building or grading permit (1) which was considered under a version of the~~  
19 ~~Stormwater Code in effect on or after January 1, 2016, but before July 1, 2021, and (2) pursuant~~  
20 ~~to which construction has not started by July 1, 2026, shall expire on July 1, 2026.~~

21 ~~C. Any master use permit issued prior to June 30, 2020, for a project not requiring a~~  
22 ~~building permit (1) which was not considered, either in the initial application process or in a~~  
23 ~~renewal process, under the version of the Stormwater Code in effect on or after January 1, 2016,~~

1 ~~and (2) pursuant to which construction has not started by June 30, 2020, shall expire on June 30,~~  
2 ~~2020.~~

3 ~~D. Any master use permit for a project not requiring a building permit (1) which was~~  
4 ~~considered under a version of the Stormwater Code in effect on or after January 1, 2016, but~~  
5 ~~before July 1, 2021, and (2) pursuant to which construction has not started by July 1, 2026, shall~~  
6 ~~expire on July 1, 2026.~~

7 ~~E. Neither Section 23.22.028, Section 23.22.064, Section 23.24.050, RCW 58.17.033,~~  
8 ~~nor RCW 58.17.170 shall require any permit application submitted on or after January 1, 2016,~~  
9 ~~to be considered under a version of the Stormwater Code in effect prior to January 1, 2016, or~~  
10 ~~require any permit application submitted on or after July 1, 2021 to be considered under a~~  
11 ~~version of the Stormwater Code in effect prior to July 1, 2021. For purposes of this subsection~~  
12 ~~22.800.100.E, "permit application" means an application for any permit required for construction~~  
13 ~~within a plat or short plat or for construction of facilities and improvements for a plat or short~~  
14 ~~plat, including, but not limited to, master use, building and grading permits.~~

15 ~~F. Neither Section 23.22.028 nor Section 23.22.064 shall authorize starting construction,~~  
16 ~~after June 30, 2020, of facilities or improvements for any plat without compliance with the~~  
17 ~~version of the Stormwater Code in effect on or after January 1, 2016, or authorize starting~~  
18 ~~construction, after July 1, 2026, of facilities or improvements for any plat without compliance~~  
19 ~~with the version of the Stormwater Code in effect on or after July 1, 2021.~~

20 ~~G. For purposes of this section, "starting construction" or "started construction" means~~  
21 ~~the site work associated with and directly related to the approved project has begun. For~~  
22 ~~example: grading the project site to final grade or utility installation such as water, sewer,~~  
23 ~~drainage, gas, or electrical infrastructure installed to serve the project and associated with the~~

~~application. Simply clearing the project site or installing conduit does not constitute the start of construction.))~~ Applicability. Except as provided in 22.800.070, all project applications must comply with the Stormwater Code in effect as follows:

1. Applications submitted on or after July 1, 2026, must comply with the Stormwater Code in effect on or after July 1, 2026.

2. Applications submitted before July 1, 2016, must be revised to comply with the Stormwater Code in effect on or after July 1, 2026, if construction has not started by July 1, 2021.

3. Applications submitted on or after July 1, 2016, but before July 1, 2021, must be revised to comply with the Stormwater Code in effect on or after July 1, 2026, if construction has not started by July 1, 2026.

4. Applications submitted on or after July 1, 2021, but before July 1, 2026, must be revised to comply with the Stormwater Code in effect on or after July 1, 2026, if construction has not started by July 1, 2031.

B. Expiration of permits or approvals when construction has not started. For any project that has not met the applicable construction start deadline in subsection 22.800.100.A, the associated permit or approval shall expire on that applicable deadline unless the project application is revised to comply with the Stormwater Code in effect on or after July 1, 2026, and approved by the Director.

C. Definition of “project application” and “started construction”. For purposes of this section 22.800.100,

1. "Project application" means a complete application, as determined by the Director, for any permit or approval required for development, including construction within a



plat or short plat or for construction of facilities and improvements for a plat or short plat, including, but not limited to, master use, building, [street use](#), and grading permits.

2. "Starting construction" or "started construction" means, [at a minimum](#), the site work associated with and directly related to the approved project has begun. For example: grading the project site to final grade or utility installation such as water, sewer, drainage, [\(\(gas\)\)](#), or electrical infrastructure installed to serve the [entire](#) project and associated with the application. Simply clearing the project site or installing conduit does not constitute the start of construction. [Additional requirements for determining the start of construction may be established by rules promulgated by the Director.](#)

[D. Permit vesting and construction authorization relative to Stormwater Code. Section 23.22.028, Section 23.22.074, Section 23.24.050, Section 23.76.029, RCW 58.17.033, and RCW 58.17.170 shall not be construed to:](#)

[1. Determine the Stormwater Code applicable to a project.](#)

[2. Authorize starting construction after the deadlines identified in subsection 22.800.100.A without compliance with the version of the Stormwater Code in effect under subsection 22.800.100.A.](#)

Section 2. Chapter 22.801 of the Seattle Municipal Code, last amended by Ordinance 126336, is amended as follows:

## **Chapter 22.801 DEFINITIONS**

\* \* \*

### **22.801.020 "A"**

"Agency" means any governmental entity or its subdivision.

"Agency, City" means "City agency" as defined in Section 25.09.520.

"Approved" means approved by the Director.

"Aquatic life use" means, for the purposes of this subtitle, "aquatic life use" as defined in WAC 173-201A-200 (Fresh Water Designated Uses and Criteria). For the purposes of this subtitle, at minimum the following fresh water bodies are designated for fresh water aquatic life use: small lakes, ~~((creeks,))~~ streams, wetlands, and fresh water designated receiving waters.

"Arterial" means "arterial" as defined in Section 11.14.035.

\* \* \*

## **22.801.040 "C"**

"Capacity-constrained system" means a drainage system or public combined sewer that the Director of SPU has determined to have inadequate capacity to carry existing and anticipated loads, or a drainage system that includes ditches or culverts.

"Certified Erosion and Sediment Control Lead" (CESCL) means an individual who has current certification through an approved erosion and sediment control training program that meets the minimum training standards established by Ecology.

"Civil engineer, licensed" means a person who is licensed by the State of Washington to practice civil engineering.

"City agency" means "City agency" as defined in Section 25.09.520.

"Closely related projects" means two or more projects that:

1. Fall under the definition of a "common plan of development or sale", or
2. Are concurrently under review, under issued permits not yet approved for final construction, or both, and share any of the following physical or functional interdependencies:
  - a. A feature physically spans the property lines between lots or the project sites, such as shared structures, shared driveways, shared pedestrian access (including easements

to rights-of-way), shared drainage and utility designs, foundation footings, or retaining walls.

Note: Abutting driveways or pedestrian accesses are not considered to span the property lines if the required driveway or pedestrian access width for each separate project meets development standards on its own.

b. A shared driveway accesses a parking area for more than one project, regardless of whether the parking is required.

c. Parking, including maneuvering, aisle requirements, or other parking related easements, regardless of whether the parking is required, is proposed to be provided (or partially provided) on the site of another project, even if the project sites do not abut each other.

d. Proposed structures are joined or share a common wall.

e. Proposed projects share required open space, amenity area, or both.

f. The design of two or more ~~((projects))~~ project sites are dependent on grading, construction of retaining walls~~((, and/or foundation design))~~ or foundations, or both across the lot lines or project sites.

g. One site is required to permanently access, construct and maintain the structures or development features on an abutting or adjacent site.

h. The projects are on the same lot or parcel (e.g., a detached accessory dwelling unit and a primary dwelling unit on the same lot or parcel), even if under separate permits provided that unless any other provision of this subsection applies, the following shall not be considered to be closely related:

1) Unrelated project activities conducted on land that is at least five acres in size and owned or operated by a major institution as defined in Section 23.84A.025 or a unit of general or special-purpose government; or

2) The project sites are separated by a distance of at least 1/4-mile.

i. Other features that create physical or functional interdependence between projects.

"Combined sewer." See "public combined sewer."

"Combined sewer basin" or "public combined sewer basin" means the area tributary to a public combined sewer feature, including, but not limited to, a combined sewer overflow outfall, trunk line connection, pump station, or regulator.

"Common plan of development or sale" means a site where multiple separate and distinct construction activities may be taking place at different times on different schedules and/or by different contractors, but still under a single plan.

Examples of "common plan of development or sale" include:

1. Phased projects and projects with multiple filings or lots, even if the separate phases or filings/lots will be constructed under separate contract or by separate owners (e.g., a development where lots are sold to separate builders);

2. A development plan that may be phased over multiple years, but is still under a consistent plan for long-term development;

3. Projects in a contiguous area that may be unrelated but still under the same contract, such as construction of a building extension and a new parking lot at the same facility; and

4. Linear projects such as roads, pipelines, or utilities.

Examples of a single [common] plan include development within a contiguous area under the same development permit, contract, developer, owner, design, or marketing scheme.

"Compaction" means the densification, settlement, or packing of earth material or fill in such a way that permeability is reduced by mechanical means.

"Construction Stormwater Control Plan" means a document that explains and illustrates the measures to be taken on the construction site to prevent erosion and discharge of sediment and other pollutants on a construction project.

"Containment area" means the area designated for conducting pollution-generating activities for the purposes of implementing source controls or designing and installing source controls or treatment facilities.

"Contaminate" means the addition of sediment, any other pollutant or waste, or any illicit or prohibited discharge.

"Creek" means ~~((a Type S, F, Np or Ns water as defined in WAC 222-16-031, or as defined in WAC 222-16-030 after state water type maps are adopted, and is used synonymously with "stream."))~~ "stream" as defined by Section 22.801.200 and is used synonymously.

#### **22.801.050 "D"**

"Damages" means monetary compensation for harm, loss, costs, or expenses incurred by the City, including, but not limited, to the following: costs of abating or correcting violations of this subtitle; fines or penalties the City incurs as a result of a violation of this subtitle; and costs to repair or clean the public drainage system or public combined sewer as a result of a violation. For the purposes of this subtitle, damages do not include compensation to any person other than the City.

"Designated receiving waters" means the Duwamish River, Puget Sound, Lake Washington, Lake Union, Elliott Bay, Portage Bay, Union Bay, the Lake Washington Ship Canal, and other receiving waters determined by the Director of SPU and approved by Ecology

as having sufficient capacity to receive discharges of drainage water such that a site discharging to the designated receiving water is not required to implement flow control.

"Detention" means temporary storage of drainage water for the purpose of controlling the drainage discharge rate.

"Development" means the following activities:

1. Class IV-general forest practices that are conversions from timberland to other uses;

2. Land disturbing activity;

3. The addition or replacement of hard surfaces;

4. Expansion of a building footprint or addition or replacement of a structure;

5. Structural development, including construction, installation, or expansion of a building or other structure;

6. Seeking approval of a building permit, other construction permit, grading permit, street improvement permit, or master use permit that involves any of the foregoing activities; and

7. Seeking approval of subdivision, short plat, unit lot subdivision, or binding site plans, as defined and applied in chapter 58.17 RCW, or other master use permit.

Development is a type of project.

"Director" means the Director of the Department authorized to take a particular action, and the Director's designees, who may be employees of that department or another City department.

"Director of SDCI" means the Director of the Seattle Department of Construction and Inspections or the designee of the Director of the Seattle Department of Construction and Inspections, who may be employees of that department or another City department.

"Director of SDOT" means the Director of Seattle Department of Transportation of The City of Seattle or the designee of the Director of Seattle Department of Transportation, who may be employees of that department or another City department.

"Director of SPU" means the General Manager and Chief Executive Officer of Seattle Public Utilities of The City of Seattle or the designee of the General Manager and Chief Executive Officer of Seattle Public Utilities, who may be employees of that department or another City department.

"Discharge point" means the location from which drainage water from a site is released.

"Discharge rate" means the rate at which drainage water is released from a site. The discharge rate is expressed as volume per unit of time, such as cubic feet per second.

"Drainage basin" means the geographic and hydrologic tributary area or subunit of a watershed through which drainage water is collected, regulated, transported, and discharged to receiving waters.

"Drainage basin plan" means a plan to manage the quality and quantity of drainage water in a watershed or a drainage basin, including watershed action plans.

"Drainage control" means the management of drainage water. Drainage control is accomplished through one or more of the following: collecting, conveying, and discharging drainage water; controlling the discharge rate from a site; controlling the flow duration from a site; controlling the quantity from a site; and separating, treating or preventing the introduction of pollutants.

"Drainage control facility" means any facility, including best management practices, installed or constructed for the purpose of controlling the discharge rate, flow duration, quantity, and/or quality of drainage water.

"Drainage control plan" means a plan for collecting, controlling, transporting and disposing of drainage water falling upon, entering, flowing within, and exiting the site, including designs for drainage control facilities.

"Drainage system" means a system intended to collect, convey and control release of only drainage water. The system may be either publicly or privately owned or operated, and the system may serve public or private property. It includes components such as pipes, ditches, culverts, curbs, gutters, and drainage control facilities. Drainage systems are not receiving waters.

"Drainage water" means stormwater and all other discharges that are permissible pursuant to ~~((subsection))~~ [subsections](#) 22.802.030.A [and 22.802.030.B](#).

#### **22.801.060 "E"**

"Earth material" means any rock, gravel, natural soil, fill, or re-sedimented soil, or any combination thereof, but does not include any solid waste as defined by chapter 70A.205 RCW.

"Ecology" means the Washington State Department of Ecology.

"Effective hard surface" means those hard surfaces that are connected via sheet flow or discrete conveyance to a drainage system.

~~((["Enhanced treatment facility" means a drainage control facility designed to reduce concentrations of dissolved metals in drainage water.](#)))~~



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**22.801.080 "G"**

"Garbage" means putrescible waste.

"Geotechnical engineer" or "Geotechnical/civil engineer" means a person licensed by The State of Washington as a professional civil engineer who has expertise in geotechnical engineering.

"Grading" means excavation, filling, in-place ground modification, removal of roots or stumps that includes ground disturbance, stockpiling of earth materials, or any combination thereof, including the establishment of a grade following demolition of a structure.

"Green stormwater infrastructure" means distributed BMPs, integrated into a project design, that use infiltration, filtration, storage, or evapotranspiration, or provide stormwater reuse.

"Groundwater" means water perched or otherwise, in a saturated zone or stratum beneath the surface of land or below a surface water body. Refer to ~~((Ground Water))~~ Groundwater Quality Standards, Chapter 173-200 WAC.

**22.801.090 "H"**

"Hard surface" means an impervious surface, a permeable pavement, or a vegetated roof.

"High-use sites" means sites that typically generate high concentrations of oil due to high traffic turnover or the frequent transfer of oil or other petroleum products. High-use sites include:

1. An area of a commercial or industrial site subject to an expected average daily traffic (ADT) count equal to or greater than 100 vehicles per 1,000 square feet of gross building area, or 300 total trip ends per day;

2. An area of a commercial or industrial site subject to petroleum storage and transfer in excess of 1,500 gallons per year, not including routinely delivered heating oil;

3. An area of a commercial or industrial site subject to parking, storage or maintenance of 25 or more vehicles that are over 10 tons gross weight (trucks, buses, trains, heavy equipment, etc.);

4. A road intersection with a measured ADT count of 25,000 vehicles or more on the main roadway and 15,000 vehicles or more on any intersecting roadway, excluding projects proposing primarily pedestrian or bicycle use improvements.

#### **22.801.100 "I"**

"Illicit connection" means any direct or indirect infrastructure connection to the public drainage system or receiving water that is not intended, not permitted, or not used for collecting drainage water.

"Impervious surface" means any surface exposed to rainwater from which most water runs off. Impervious surfaces include, but are not limited to, roof tops, walkways, patios, driveways, formal planters, parking lots or storage areas, concrete or asphalt paving, areas with underdrains designed to remove stormwater from subgrade (e.g. playfields, athletic fields, rail yards), gravel surfaces ~~((subjected))~~ subject to vehicular ~~((traffic))~~ use, compact gravel, packed earthen materials, and oiled macadam or other surfaces which similarly impede the natural infiltration of stormwater. Open, uncovered retention/detention facilities shall not be considered as impervious surfaces for the purposes of determining whether the thresholds for application of minimum requirements are exceeded. Open, uncovered retention/detention facilities shall be considered impervious surfaces for purposes of stormwater modeling.

"Industrial activities" means material handling, transportation, or storage; manufacturing; maintenance; treatment; or disposal. Areas with industrial activities include plant yards, access roads and rail lines used by carriers of raw materials, manufactured products, waste material, or by-products; material handling sites; refuse sites; sites used for the application or disposal of process waste waters; sites used for the storage and maintenance of material handling equipment; sites used for residual treatment, storage, or disposal; shipping and receiving areas; manufacturing buildings; storage areas for raw materials, and intermediate and finished products; and areas where industrial activity has taken place in the past and significant materials remain and are exposed to stormwater.

"Infiltration" means the downward movement of water from the surface to the subsoil.

"Infiltration facility" or "infiltration BMP" means a drainage control facility that temporarily stores, and then percolates, drainage water into the underlying soil.

"Integrated Drainage Plan" means a plan developed, reviewed, and approved pursuant to subsection 22.800.080.E.

"Interflow" means that portion of rainfall and other precipitation that infiltrates into the soil and moves laterally through the upper soil horizons until intercepted by a stream channel or until it returns to the surface.

"Inspector" means a City inspector, their designee, or licensed civil engineer performing the inspection work required by this subtitle.

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## **22.801.130 "L"**

"Land disturbing activity" means any activity that results in a change in the existing soil cover, both vegetative and nonvegetative, or the existing topography. Land disturbing activities

include, but are not limited to, clearing, grading, filling, excavation, or addition of new or the replacement of hard surface. Compaction, excluding hot asphalt mix, that is associated with stabilization of structures and road construction is also considered a land disturbing activity. Vegetation maintenance practices, including landscape maintenance and gardening, are not considered land disturbing activities. Stormwater facility maintenance is not considered land disturbing activity if conducted according to established standards and procedures.

"Large project" means a project including:

1. Five thousand square feet or more of new plus replaced hard surface; or
2. ~~((One acre))~~ Ten thousand square feet or more of land disturbing activity. ~~((;~~
- ~~3. Conversion of 3/4 acres or more of vegetation to lawn or landscaped area; or~~
- ~~4. Conversion of 2.5 acres or more of native vegetation to pasture.))~~

"Listed creeks" means Blue Ridge Creek, Broadview Creek, Discovery Park Creek, Durham Creek, Frink Creek, Golden Gardens Creek, Kiwanis Ravine/Wolfe Creek, Licton Springs Creek, Madrona Park Creek, Mee-Kwa-Mooks Creek, Mount Baker Park Creek, Puget Creek, Riverview Creek, Schmitz Creek, Taylor Creek, and Washington Park Creek.

## **22.801.140 "M"**

"Master use permit" means a "master use permit" as defined in subsection 23.84A.025.

"Maximum extent feasible" means the requirement is to be fully implemented, constrained only by the physical limitations of the site, practical considerations of engineering design, and reasonable considerations of financial costs.

"Metals treatment facility" means a drainage control facility designed to reduce concentrations of dissolved metals in drainage water.

"Municipal stormwater NPDES permit" means the permit issued to the City under the federal Clean Water Act for public drainage systems ~~((within the City limits))~~.

"Municipal separate storm sewer system" (MS4) means "municipal separate storm sewer system" as defined in the municipal stormwater NPDES permit.

## **22.801.150 "N"**

"Native vegetation" means "native vegetation" as defined in Section 25.09.520.

"New hard surface" means ~~((a))~~ the creation of a hard surface ~~((that is: changed from))~~ or the upgrade of an existing surface, including from:

1. ~~((a))~~ A pervious surface to a hard surface; or

2. A hard surface to a different hard surface.

Examples of a new hard surface include, but are not limited to, ~~((e.g.,))~~ converting or upgrading:

1. Vegetation, lawn, dirt, or other earthen material to a hard surface (e.g., compact gravel, packed earthen material, permeable pavement, ~~((resurfacing by upgrading from dirt to gravel))~~, a bituminous surface treatment ("chip seal"), asphalt, concrete, or a ~~((hard surface))~~ structure); ~~((or))~~

2. ~~((upgraded from gravel))~~ Gravel to chip seal, asphalt, concrete, permeable pavement, or a ~~((hard surface))~~ structure;

3. ~~((or from a))~~ A hard surface to a ~~((hard surface))~~ structure; or

4. A structure to a different hard surface (e.g., compact gravel, packed earthen material, a bituminous surface treatment ("chip seal"), asphalt, concrete, permeable pavement, another structure not meeting the definition of "replaced hard surface" per subsection 22.801.190, ~~((or an existing slab not previously subject to vehicular use))~~.

1           ~~((Note that if))~~ If asphalt or concrete has been overlaid by a chip seal, the existing  
2 condition should be considered as asphalt or concrete.

3           If, for a structure, the existing foundation is removed or, for any other hard surface, the  
4 subgrade or base course grade elevation is modified beyond what is required to repair the  
5 existing hard surface or base course, then the structure or other hard surface is considered a “new  
6 hard surface”.

7           ~~((“New impervious surface” means a surface that is: changed from a pervious surface to~~  
8 ~~an impervious surface (e.g., resurfacing by upgrading from dirt to gravel, a bituminous surface~~  
9 ~~treatment (“chip seal”), asphalt, concrete or an impervious structure); or upgraded from gravel to~~  
10 ~~chip seal, asphalt, concrete, or an impervious structure; or from a impervious surface to an~~  
11 ~~impervious structure. Note that if asphalt or concrete has been overlaid by a chip seal, the~~  
12 ~~existing condition should be considered as asphalt or concrete.))~~

13           "Non-listed creeks" means any creek not identified in the definition of "Listed creeks" in  
14 Section 22.801.130.

15           "NPDES" means National Pollutant Discharge Elimination System, the national program  
16 for controlling discharges under the federal Clean Water Act.

17           "NPDES permit" means an authorization, license or equivalent control document issued  
18 by the EPA or Ecology to implement the requirements of the NPDES program.

19           "Nutrient-critical receiving water" means a surface water or water segment that is  
20 determined to be impaired due to phosphorus contributed by stormwater, as specified in rules  
21 promulgated by the Director of SPU which shall be based on consideration of waterbodies  
22 reported by Ecology, and approved by EPA, under Category 5 (impaired) under Section 303(d)  
23 of the Clean Water Act for total phosphorus through Ecology's Water Quality Assessment.

\* \* \*

## 22.801.170 "P"

"Parcel-based project" means any project that is not a roadway project, ~~((single-family residential project,))~~ sidewalk project, or trail project. The boundary of the public right-of-way shall form the boundary between the parcel and roadway portions of a project.

"Pavement maintenance practices" means repair and maintenance of an existing surface limited to:

1. Targeted pothole and square cut patching;
2. Overlaying existing asphalt, concrete, or brick pavement with asphalt or concrete, so long as the base course is not exposed;
3. Shoulder grading;
4. Reshaping or regrading drainage systems, including adding curb, gutter, or wedge curbs;
5. Crack sealing; and
6. Vegetation maintenance.

"Pavement maintenance practices" does not include work that: increases the vehicle capacity of a roadway or parking area; adds new hard surface or results in replaced hard surface; or materially alters a roadway's characteristics.

"Person" means an individual, receiver, administrator, executor, assignee, trustee in bankruptcy, trust estate, firm, partnership, joint venture, club, company, joint stock company, business trust, municipal corporation, the State of Washington, political subdivision or agency of the State of Washington, public authority or other public body, corporation, limited liability company, association, society or any group of individuals acting as a unit, whether mutual,

cooperative, fraternal, nonprofit or otherwise, and the United States or any instrumentality thereof.

"Pervious surface" means a surface that is not impervious. See also "impervious surface."

"Phosphorus treatment facility" means a drainage control facility designed to reduce concentrations of phosphorus in drainage water.

"Plan" means a graphic or schematic representation, with accompanying notes, schedules, specifications and other related documents, or a document consisting of checklists, steps, actions, schedules, or other contents that has been prepared pursuant to this subtitle, such as a site plan, drainage control plan, construction stormwater control plan, stormwater pollution prevention plan, or integrated drainage plan.

"Pollution-generating activity" means any activity that is regulated by the joint SPU/SDCI Directors' Rule titled "Seattle Stormwater Manual" at "Volume 4 - Source Control" or any activity with similar impacts on drainage water. These activities include, but are not limited to: cleaning and washing activities; transfer of liquid or solid material; production and application activities; dust, soil, and sediment control; commercial animal care and handling; log sorting and handling; boat building, mooring, maintenance, and repair; logging and tree removal; mining and quarrying of sand, gravel, rock, peat, clay, and other materials; cleaning and maintenance of swimming pool and spas; deicing and anti-icing operations for airports and streets; maintenance and management of roof and building drains at manufacturing and commercial buildings; maintenance and operation of railroad yards; maintenance of public and utility corridors and facilities; and maintenance of roadside ditches.

"Pollution-generating hard surface" means those hard surfaces considered to be a significant source of pollutants in drainage water. ~~((See definition of pollution-generating~~



~~impervious surface in this Section 22.801.170 for surfaces that are considered significant sources of pollutants in drainage water. In addition, permeable pavement subject to vehicular use or other pollutants as described in the definition for pollution-generating impervious surfaces is a pollution-generating hard surface))~~ Such surfaces include those that are subject to any of the following: vehicular use; industrial activities; storage of erodible or leachable materials, wastes, or chemicals, and that receive direct rainfall or the run-on or blow-in of rainfall. Such surfaces also include roofs subject to venting of significant sources of pollutants and metal roofs unless coated with an inert, non-leachable material (e.g., baked-on enamel coating).

~~((“Pollution-generating impervious surface” means those impervious surfaces considered to be a significant source of pollutants in drainage water. Such surfaces include those that are subject to any of the following: vehicular use; industrial activities; storage of erodible or leachable materials, wastes, or chemicals, and that receive direct rainfall or the run-on or blow-in of rainfall. Such surfaces also include roofs subject to venting of significant sources of pollutants and metal roofs unless coated with an inert, non-leachable material (e.g., baked-on enamel coating).~~

~~A surface, whether paved or not, shall be considered subject to vehicular use if it is regularly used by motor vehicles. The following are considered regularly used surfaces: roads; unvegetated road shoulders; bike lanes within the traveled lane of a roadway; driveways; parking lots; unfenced fire lanes; vehicular equipment storage yards; rail lines and railways; and airport runways.~~

~~The following are not considered regularly used by motor vehicles: sidewalks and trails not subject to drainage from roads for motor vehicles; paved bicycle pathways separated from~~

~~and not subject to drainage from roads for motor vehicles; fenced fire lanes; and infrequently used maintenance access roads with recurring routine vehicle use of no more than once per day.))~~

"Pollution-generating pervious surface" means any pervious surface subject to any of the following: vehicular use; industrial activities; storage of erodible or leachable materials, wastes, or chemicals, and that receive direct rainfall or run-on or blow-in of rainfall; use of pesticides and fertilizers; or loss of soil. Typical pollution-generating pervious surfaces include lawns~~((7))~~ and landscaped areas, such as golf courses, parks, cemeteries, and sports fields (natural and artificial turf).

"Pre-developed condition" means the vegetation and soil conditions that are used to determine the allowable post-development discharge peak flow rates and flow durations, such as pasture or forest.

"Private drainage system" means a drainage system that is not a public drainage system.

"Project" means any proposed action to alter or develop a site including "development" as defined by Section 22.801.050. ~~((Development is a type of project.))~~

"Project site" means that portion of a property, properties, or rights-of-way subject to land disturbing activities, new hard surfaces, or replaced hard surfaces.

"Public combined sewer" means a publicly owned and maintained system which carries drainage water and wastewater and flows to a publicly owned treatment works.

"Public drainage system" means a drainage system owned or operated by The City of Seattle.

"Public place" means and includes streets, avenues, ways, boulevards, drives, places, alleys, sidewalks, and planting (parking) strips, squares, triangles and right-of-way for public use and the space above or beneath its surface, whether or not opened or improved.

"Public sanitary sewer" means the sanitary sewer that is owned or operated by The City of Seattle.

"Public storm drain" means the part of a public drainage system that is wholly or partially piped, owned or operated by a City agency and designed to carry only drainage water.

## **22.801.190 "R"**

"Real property" means "real property" as defined in Chapter 3.110.

"Receiving water" means the surface water, such as a creek, stream, river, lake, wetland or marine water, or groundwater, receiving drainage water. Drainage systems and public combined sewers are not receiving waters.

"Repeat violation" means a prior violation of this subtitle within the preceding five years that became a final order or decision of the Director or a court. The violation does not need to be the same nor occur on one site to be considered repeat.

"Replaced hard surface" or "replacement of hard surface" means,

1. ~~((for))~~ For structures, the removal of the structure down to (i.e. exposing the top of) the foundation without removing the foundation and replacement of the structure; and,

2. ~~((for))~~ For other hard surfaces, the removal of the surface down to ((i.e. exposing the top of)) the existing base course or exposing the top of the subgrade ((or base course)) and replacement, including repair of the base course layer.

If, for a structure, the existing foundation is removed or, for any other hard surface, the subgrade or base course grade elevation is modified beyond what is required to repair the existing hard surface or base course, then the structure or other hard surface is considered a "new hard surface".

~~(("Replaced impervious surface" or "replacement of impervious surface" means, for structures, the removal down to the foundation and replacement and, for other impervious surfaces, the removal down to existing subgrade or base course and replacement.))~~

"Responsible party" means all of the following persons:

1. Owners, operators, and occupants of property; and
2. Any person causing or contributing to a violation of the provisions of this

subtitle.

"Right-of-way" means "right-of-way" as defined in Section 23.84A.032.

"Roadway" means "roadway" as defined in Section 23.84A.032.

"Roadway project" means a project located in the public right-of-way that involves the creation of a new or replacement of an existing roadway or alley. The boundary of the public right-of-way shall form the boundary between the parcel and roadway portions of a project.

"Runoff" means the portion of rainfall or other precipitation that becomes surface flow and interflow.

## **22.801.200 "S"**

"Sanitary sewer" means a system that conveys wastewater and is not designed to convey drainage water.

"SDCI" means the Seattle Department of Construction and Inspections.

"SDOT" means the Seattle Department of Transportation.

"Service drain" means "service drain" as defined in Section 21.16.030.

"Side sewer" means "side sewer" as defined in Section 21.16.030.

"Sidewalk" means "sidewalk" as defined in Section 23.84A.036.

"Sidewalk project" means a project for the creation of a new sidewalk or replacement of an existing sidewalk, including any associated planting strip, apron, curb ramp, curb, or gutter, and necessary roadway grading and repair. If the total new plus replaced hard surface in the roadway exceeds 10,000 square feet, the entire project is a roadway project.

~~(( "Single-family residential project" means a project that constructs one Single-family Dwelling Unit as defined in subsection 23.84A.032 and any associated accessory dwelling unit located in land classified as being Neighborhood Residential 1 (NR1), Neighborhood Residential 2 (NR2), or Neighborhood Residential 3 (NR3) pursuant to Section 23.30.010, and the total new plus replaced hard surface is less than 5,000 square feet. ))~~

"Site" means the area defined by the legal boundaries of a parcel or parcels of land subject to development. For roadway projects, the length of the project site and the right-of-way boundaries define the site. A site may include multiple parcels and/or sections of right of-way, if multiple parcels and/or sections of right-of-way are subject to development.

"Slope" means an inclined ground surface.

"Small lakes" means Bitter Lake, Green Lake and Haller Lake.

"Small project" means a project with:

1. Less than 5,000 square feet of new and replaced hard surface; and
2. Less than ~~((one acre))~~ 10,000 square feet of land disturbing activities.

"SMC" means the Seattle Municipal Code.

"Soil" means naturally deposited non-rock earth materials.

"Solid waste" means "solid waste" as defined in Section 21.36.016.

"Source controls" mean structures or operations that prevent contaminants from coming in contact with drainage water through physical separation or careful management of activities that are known sources of pollution.

"SPU" means Seattle Public Utilities.

"Standard design" is a design pre-approved by the Director for drainage and erosion control available for use at a site with pre-defined characteristics.

"Standard Plans and Specifications" means the City of Seattle Standard Plans and Specifications for Road, Bridge, and Municipal Construction in effect on the date of permit application.

"Storm drain" means both public storm drain and service drain.

"Stormwater" means runoff during and following precipitation and snowmelt events, including surface runoff, drainage and interflow.

"Stream" means a ~~((Type S, F, Np or Ns water as defined in WAC 222-16-031, or as defined in WAC 222-16-030 after state water type maps are adopted, and is used synonymously with "creek."))~~ watercourse through which naturally occurring surface waters flow sufficiently, whether on a perennial or intermittent basis, to carve a defined channel or bed evidencing the passage of water, including but not limited to bedrock channels, gravel beds, alluvial mineral beds, defined-channel swales, and beds containing hydraulically sorted sediments. The term does not include watercourses created entirely by artificial means, such as irrigation or roadside ditches, stormwater runoff devices, or canals, unless the watercourse conveys a stream that flowed naturally prior to the creation of the watercourse. "Stream" is used synonymously with "creek".

1 "Surface waters" means "surface waters of the state" as defined in WAC 173-201A  
2 (Water Quality Standards for Surface Waters of the State of Washington) and "includes lakes,  
3  rivers, ponds, streams, inland waters, saltwaters, wetlands and all other surface waters and  
4 watercourses within the jurisdiction of the state of Washington".

5 \* \* \*

6 **22.801.220 "U"**

7 "Uncontaminated" means ~~((surface water or groundwater))~~ not containing sediment or  
8 other pollutants or contaminants above natural background levels and not containing pollutants  
9 or contaminants in levels greater than City-supplied drinking water when referring to potable  
10 water.

11 **22.801.230 "V"**

12 "Vegetation" means "vegetation" as defined in Section 25.09.520.

13 "Vehicular use" means regular use of a hard or pervious surface by motor vehicles. The  
14 following surfaces, whether paved or not, are considered subject to regular vehicular use: roads;  
15 unvegetated road shoulders; bike lanes within the traveled lane of a roadway; driveways; parking  
16 lots; unfenced fire lanes; vehicular equipment storage yards; rail lines and railways, including  
17 light rail elevated and non-elevated guideways and tracks; and airport runways and other  
18 surfaces intended for movement or storage of aircraft.

19 The following are not considered regularly used by motor vehicles: sidewalks and trails  
20 not subject to drainage from roads for motor vehicles; paved bicycle pathways separated from  
21 and not subject to drainage from roads for motor vehicles; fenced fire lanes; and infrequently  
22 used maintenance access roads with recurring routine vehicle use of no more than once per day.

**22.801.240 "W"**

"Wastewater" means "wastewater" as defined in Section 21.16.030.

"Water Quality Standards" means Surface Water Quality Standards, Chapter 173-201A WAC, (~~((Ground Water))~~ [Groundwater](#) Quality Standards, Chapter 173-200 WAC, and Sediment Management Standards, Chapter 173-204 WAC.

Section 3. Chapter 22.802 of the Seattle Municipal Code, last amended by Ordinance 124872, is amended as follows:

**Chapter 22.802 PROHIBITED AND PERMISSIBLE DISCHARGES**

\* \* \*

**22.802.020 Prohibited discharges**

A. Prohibited Discharges. The following common substances are prohibited to enter, either directly or indirectly, a public drainage system, a private drainage system, or a receiving water within or contiguous to Seattle city limits, including but not limited to when entering via a service drain, overland flow, or as a result of a spill or deliberate dumping:

1. acids;
2. alkalis including cement wash water;
3. ammonia;
4. animal carcasses;
5. antifreeze, oil, gasoline, grease and all other automotive and petroleum products;
6. chemicals not normally found in uncontaminated water;
7. chlorinated/[brominated](#) swimming pool or hot tub water;
8. chlorine/[bromine](#);



- 1 9. commercial and household cleaning materials;
- 2 10. detergent;
- 3 11. dirt;
- 4 12. domestic or sanitary sewage;
- 5 13. drain cleaners;
- 6 14. fertilizers;
- 7 15. filter backwash wastewater;
- 8 16. flammable or explosive materials;
- 9 17. food and food waste;
- 10 18. gravel;
- 11 19. herbicides;
- 12 20. human and animal waste;
- 13 21. ink;
- 14 22. laundry waste;
- 15 23. metals in excess of naturally occurring amounts, whether in liquid or solid
- 16 form;
- 17 24. painting products;
- 18 25. pesticides;
- 19 26. process wastewater;
- 20 27. sand;
- 21 28. soap;
- 22 29. solid waste;
- 23 30. solvents and degreasers;

31. steam-cleaning waste; and

32. yard waste.

B. Prohibited Discharges to Public and Private Drainage System. Except as provided in Section 22.802.030, any discharge to a public drainage system or to a private drainage system that is not composed entirely of stormwater is prohibited.

C. Prohibited Discharges to Receiving Waters. Except as provided in Section 22.802.030, any discharge, either directly or indirectly to receiving waters within or contiguous to Seattle city limits or to a public drainage system, that is not composed entirely of stormwater is prohibited.

D. Prohibited Discharges to Public Combined Sewers. For discharges to the public combined sewer, the applicable prohibited discharges are stated in Chapter 21.16 (Side Sewer Code).

### **22.802.030 Permissible discharges**

A. Conditionally Permissible Discharges to Drainage Systems and Receiving Waters. Discharges from the sources listed below are permissible discharges only if the stated conditions are met and unless the Director of SPU determines that the type of discharge, directly or indirectly to a public drainage system, private drainage system, or a receiving water within or contiguous to Seattle city limits, whether singly or in combination with others, is causing or contributing to a violation of the City's NPDES stormwater permit or is causing or contributing to a water quality problem:

1. Discharges from potable water sources, including, but not limited to, flushing of potable water lines, hyperchlorinated water line flushing, fire hydrant system flushing, pipeline hydrostatic test water, and washing of potable water storage reservoirs. Planned discharges shall be de-chlorinated to a total residual chlorine concentration of 0.1 ppm or less,

pH-adjusted if necessary, and volumetrically and velocity controlled to prevent resuspension of sediments in the drainage system. No chemicals may be added, and settleable solids must be removed prior to discharge;

2. Discharges from swimming pools, spas, hot tubs, fountains, or similar aquatic recreation facilities and constructed water features, provided the discharges have been de-chlorinated/de-brominated to a total residual (~~((ehlorine))~~) concentration of 0.1 ppm or less, free from sodium chloride, pH-adjusted and reoxygenated if necessary, volumetrically and velocity controlled to prevent resuspension of sediments in the drainage system, and thermally controlled to prevent an increase of temperature in the receiving water. Swimming pool cleaning wastewater and filter backwash shall not be discharged;

3. Discharges of street and sidewalk washwater when the surfaces are swept prior to washing, detergents are not used, and water use is minimized;

4. Discharges (~~((of water))~~) from routine external building washdown when detergents are not used and water use is minimized at (i) buildings built or renovated before 1950 and after 1980, (ii) single-family residential buildings, and (iii) structures built or renovated between 1950 and 1980 (inclusive) and determined to be without PCB containing materials on their exterior;

5. Discharges of water used to control dust when water use is minimized;

6. Discharges from lawn watering and other irrigation runoff, including from reclaimed water sources, when water use is minimized; and

7. Other non-stormwater discharges, provided that these discharges are in compliance with the requirements of a pollution prevention plan that addresses control of such discharges and is approved by the Director.

B. Permissible Discharges. Discharges from the sources listed below are permissible discharges unless the Director of SPU determines that the type of discharge, directly or indirectly to a public drainage system, private drainage system, or a receiving water within or contiguous to Seattle city limits, whether singly or in combination with others, is causing or contributing to a violation of the City's NPDES stormwater permit or is causing or contributing to a water quality problem:

1. Discharges from surface waters, including diverted stream flows;
2. Discharges of uncontaminated groundwater, including uncontaminated groundwater infiltration (as defined at 40 CFR 35.2005(b)(20), uncontaminated pumped groundwater, and rising groundwaters;
3. Discharges of air conditioning condensation;
4. Discharges from springs;
5. Discharges of uncontaminated water from crawl space pumps;
6. ~~((Discharges from lawn watering;))~~
- ~~((7.))~~ 7. Discharges from ~~((irrigation runoff, including))~~ irrigation water from agricultural sources that is commingled with stormwater and that does not contain prohibited substances;
- ~~((8))~~ 7. Discharges from riparian habitats and wetlands;
- ~~((9))~~ 8. Discharges from approved footing drains and other subsurface drains or, where approval is not required, installed in compliance with this subtitle and rules promulgated pursuant to this subtitle;
- ~~((10))~~ 9. Discharges from foundation drains;

1                    ~~((44))~~ 10. Non-stormwater discharges authorized by another NPDES permit or  
2 State Waste Discharge permit;

3                    ~~((42))~~ 11. Discharges that are from emergency fire fighting activities; and

4                    ~~((43))~~ 12. Discharges of non-toxic tracing dye used to establish or verify a  
5 drainage or sewer connection.

6                    C. Permissible Discharges to Sanitary Sewers. In consultation with the local sewage  
7 treatment agency, the Director of SPU may approve discharges of drainage water to a sanitary  
8 sewer if the discharging party demonstrates to the satisfaction of the Director of SPU that other  
9 methods of controlling pollutants in the discharge are not adequate or reasonable, the discharging  
10 party certifies that the discharge will not harm the environment, and the discharging party  
11 certifies that the discharge will not overburden or otherwise harm the sanitary sewer.

12                    Connections to the sanitary sewer shall be made in accordance with Chapter 21.16 (Side Sewer  
13 Code). The Director of SPU shall condition approval of such a discharge on compliance with  
14 local pretreatment regulations and on maintaining compliance with the required certifications  
15 given by the discharging party.

16                    D. Permissible Discharges to Public Combined Sewers. In consultation with the local  
17 sewage treatment agency, the Director of SPU may approve discharges of drainage water to a  
18 public combined sewer if the discharging party certifies that the discharge will not harm the  
19 environment, and the discharging party certifies that the discharge will not overburden or  
20 otherwise harm the public combined sewers. Connections to the public combined sewers shall be  
21 made in accordance with Chapter 21.16 (Side Sewer Code). The Director of SPU shall condition  
22 approval of such a discharge on compliance with local pretreatment regulations and on  
23 maintaining compliance with the required certifications given by the discharging party.

\* \* \*

Section 4. Chapter 22.803 of the Seattle Municipal Code, last amended by Ordinance 126336, is amended as follows:

**Chapter 22.803 MINIMUM REQUIREMENTS FOR ALL DISCHARGES AND ALL REAL PROPERTY**

\* \* \*

**22.803.020 Minimum requirements for all discharges and real property**

A. Requirement to provide documentation and to map infrastructure. The owner is required to make plans, procedures, and schedules required by this subtitle available to the Director when requested. When requested to aid in applying the Stormwater Code, the owner must provide to the Director a complete map of all drainage, side sewer, and plumbing infrastructure on the property.

B. Requirement to report spills, releases, or dumping. A responsible party is required to, at the earliest possible time, but in any case within 24 hours of discovery, report to the Director of SPU a spill, release, dumping, or other situation that has contributed or is likely to contribute pollutants to a public drainage system, a private drainage system, or a receiving water. This reporting requirement is in addition to, and not instead of, any other reporting requirements under federal, state or local laws.

C. Requirements to maintain facilities. All treatment facilities, flow control facilities, drainage control facilities, and drainage systems shall be maintained as specified in rules promulgated by the Director in order for these facilities and systems to be kept in continuous working order. [Facility components must be kept accessible for inspection and maintenance purposes, including for inspections conducted by the City.](#)

1 D. Requirements for disposal of waste from maintenance activities. Disposal of waste  
2 from maintenance of drainage control facilities shall be conducted in accordance with federal,  
3 state and local regulations, including the Minimum Functional Standards for Solid Waste  
4 Handling, Chapter 173-304 WAC, guidelines for disposal of waste materials, and, where  
5 appropriate, Dangerous Waste Regulations, Chapter 173-303 WAC.

6 E. Requirements to maintain records of installation and maintenance activities. When a  
7 drainage control facility is installed, the party having the facility installed shall make records of  
8 the installation and shall identify the party (or parties) responsible for maintenance and  
9 operations. The parties shall retain a continuous record of all maintenance and repair activities,  
10 and shall retain the records for at least ten years. If a transfer of ownership occurs, these records  
11 of installation, repair, and maintenance shall be transferred to the new property owner. These  
12 records shall be made available to the Director of SPU during inspection of the facility and at  
13 other reasonable times upon request of the Director of SPU.

14 **22.803.030 Minimum requirements for source controls for all real property**

15 For all discharges, responsible parties shall implement and maintain source controls to  
16 prevent or minimize pollutants from leaving a site or property, [as specified in the joint](#)  
17 [SPU/SDCI Directors' Rule titled "Seattle Stormwater Manual" at "Volume 4—Source Control"](#).  
18 Source controls that are required for all real property include, but are not limited to, the  
19 following, as further described in rules promulgated by the Director:

20 A. Eliminate illicit connections and illicit discharges. It is the responsibility of the  
21 property owner or other responsible party to ensure that all plumbing connections are properly  
22 made and that only connections conveying stormwater or permissible discharges pursuant to  
23 Section 22.802.030 are connected to the drainage system. When requested to aid in applying the

Stormwater Code, the owner must provide to the Director a complete map of all stormwater and plumbing infrastructure on the property.

B. Perform routine maintenance. All drainage system components, including, but not limited to, catch basins, flow control facilities, treatment facilities, on-site BMPs, and unimproved drainage pathways shall be kept in continuous working order.

C. Dispose of fluids and wastes properly. Solid and liquid wastes must be disposed of in a manner that minimizes the risk of contaminating stormwater.

D. Proper storage of solid wastes. Solid wastes must be stored in a manner that minimizes the risk of contaminating stormwater.

E. Spill prevention and cleanup. All property owners having the potential to spill pollutants shall take measures to prevent spills of pollutants and to properly clean up spills that might occur.

F. Provide oversight and training for staff. For businesses and public entities, annually train all employees responsible for the operation, maintenance, or inspection of BMPs, assign oversight responsibilities, and maintain records.

G. Property maintenance. For businesses and public entities, locate pollution-generating activities away from stormwater pathways where feasible and engage in proper site maintenance to prevent pollutant transport off site, including but not limited to sweeping paved areas and inspecting loading, unloading, storage and parking areas.

H. ~~((Roof-top))~~ Constructed dog runs. Dog runs located on private property on rooftops, podiums, at-grade, or above-grade plazas must prevent stormwater from the dog run from discharging directly or indirectly to a public drainage system, private drainage system, or receiving water body.



**22.803.040 Minimum ~~((requirements for))~~ source controls for ~~((businesses and public entities for))~~ specific activities**

A. In addition to the source controls required by Section 22.803.030 for all real properties, businesses and public entities must implement source controls, to the extent allowed by law, for specific pollution-generating activities as specified in the joint SPU/SDCI Directors' Rule titled "Seattle Stormwater Manual" at "Volume 4—Source Control," as necessary to prevent discharges prohibited by Section 22.802.020 or Chapter 21.16, as applicable. Source controls include, but are not limited to, segregating or isolating wastes to prevent contact with drainage water; enclosing, covering, or containing the activity to prevent contact with drainage water; developing and implementing inspection and maintenance programs; sweeping; and taking management actions such as training employees on pollution prevention.

B. For all discharges, source controls shall be implemented, to the extent allowed by law, by businesses and public entities for the following specific pollution-generating activities as specified in the joint SPU/SDCI Directors' Rule titled "Seattle Stormwater Manual" at "Volume 4—Source Control," ~~((to the extent))~~ as necessary to prevent prohibited discharges as described in ~~((subsection 22.802.020.A through subsection 22.802.020.D))~~ Section 22.802.020, and to prevent contaminants from coming in contact with drainage water or being discharged to the drainage system, public combined sewer, or directly into receiving waters:

1. Fueling at dedicated stations, for new or substantially altered fueling stations.
2. Mobile fueling of vehicles and heavy equipment.
3. In-water and over-water fueling.
4. Maintenance and repair of vehicles and equipment.
5. Concrete and asphalt mixing and production.

6. Concrete pouring, concrete/asphalt cutting, and asphalt application.

7. Recycling, wrecking yard, and scrap yard operations.

8. Storage of liquids in aboveground tanks.

Source controls include, but are not limited to, segregating or isolating wastes to prevent contact with drainage water; enclosing, covering, or containing the activity to prevent contact with drainage water; developing and implementing inspection and maintenance programs; sweeping; and taking management actions such as training employees on pollution prevention.

~~((B. For all discharges except those that drain only to the public combined sewer, source controls shall be implemented, to the extent allowed by law, by businesses and public entities for specific pollution-generating activities as specified in the joint SPU/SDCI Directors' Rule titled "Seattle Stormwater Manual" at "Volume 4 – Source Control," to the extent necessary to prevent prohibited discharges as described in subsection 22.802.020.A through subsection 22.802.020.C, and to prevent contaminants from coming in contact with drainage water or being discharged to the drainage system or directly into receiving waters. Source controls include, but are not limited to, segregating or isolating wastes to prevent contact with drainage water; enclosing, covering, or containing the activity to prevent contact with drainage water; developing and implementing inspection and maintenance programs; sweeping; and taking management actions such as training employees on pollution prevention.))~~

Section 5. Chapter 22.805 of the Seattle Municipal Code, last amended by Ordinance 126336, is amended as follows:

**Chapter 22.805 MINIMUM REQUIREMENTS FOR ALL PROJECTS**

**22.805.010 General**

A. All projects are required to comply with this chapter, even where drainage control review is not required.

B. Subdivisions, short plats, and ((Closely)) closely related projects ~~((shall be)), including common plans of development or sale, are~~ considered as one project for purposes of applying the Stormwater Code, including but not limited to determining whether the thresholds for applicability of particular Stormwater Code minimum requirements are met. ~~((The Director shall determine whether two or more projects are closely related as specified in the joint SPU/SDCI Directors' Rule titled "Seattle Stormwater Manual" at "Volume 1—Project Minimum Requirements."))~~

C. When an application requires preliminary drainage review according to subsection 22.807.020.A, applications for building permits, grading permits, and other construction permits on the site receiving preliminary drainage review shall comply with the provisions of the approved preliminary drainage control plan.

D. In the case of a subdivision under Chapter 23.22 and short plat under Chapter 23.24, unless an adjustment pursuant to subsection 22.800.040.B is approved by the Director, for the purposes of applying the thresholds in Chapter 22.805, the following shall apply:

1. A subdivision of property does not affect or reduce the requirements of the this subtitle, the Chapter 21.16, and associated rules promulgated by the Director. The proposed parcels within a subdivision or short plat shall meet the standards required by the higher area

threshold of the entire property being subdivided rather than the standards required for each of the proposed parcels individually.

2. In neighborhood residential (NR) and small lot residential (RSL) zones, the hard surface coverage is the maximum lot coverage allowed per Subtitle III of Title 23, Land Use Code, plus required and proposed pedestrian and vehicular access and amenities, including roadways, driveways, walkways, plazas, and patios identified on the preliminary drainage control plan and associated preliminary site plan, unless otherwise approved by the Director. In all other zones, the hard surface coverage shall be based on an approved site plan showing the maximum allowed build-out including all phases of the subdivision or short plat.

E. Construction of drainage control facilities and drainage systems for plats

1. In the case of a subdivision under Chapter 23.22, drainage control facilities or drainage systems that are identified on the associated preliminary drainage control plan or the approved preliminary plat and will serve multiple proposed lots, parcels, tracts, or rights-of-way shall be constructed prior to approval of the final plat unless a bond is provided according to subsection 23.22.070.C. If a bond is provided in lieu of construction prior to approval of the final plat, the construction permit for the facilities or systems must be issued prior to issuance of any building permit for any other construction within the subdivision and construction of the facilities or systems shall be completed and final inspection approved prior to final inspection approval of any building permit for any other construction within the subdivision and prior to occupancy of any buildings, but in no event later than two years after final plat approval.

2. In the case of a short plat under Chapter 23.24 with shared drainage control facilities or drainage systems that are identified on the preliminary drainage control plan and will serve multiple proposed lots, parcels, tracts, or rights-of-way, the following shall occur:

1 a. The construction permit (~~((for the))~~ that includes the shared facilities or  
2 systems shall be issued prior to issuance of any other building permit for any other construction  
3 within the lots, parcels, tracts, or rights-of-way served by the shared facilities or systems; and

4 b. Construction of the shared facilities or systems shall be completed and  
5 final inspection approved prior to final inspection approval of any building permit for any other  
6 construction within the lots, parcels, tracts, or rights-of-way served by the shared facilities, and  
7 prior to occupancy of any buildings on these lots, parcels, or tracts.

8 F. No discharge from a site, real property, or drainage facility, directly or indirectly to a  
9 public drainage system, private drainage system, or a receiving water within or contiguous to  
10 Seattle city limits, may cause or contribute to a prohibited discharge or a known or likely  
11 violation of water quality standards in the receiving water or a known or likely violation of the  
12 City's municipal stormwater NPDES permit.

13 G. Every permit issued to implement this subtitle shall contain a performance standard  
14 requiring that no discharge from a site, real property, or drainage facility, directly or indirectly to  
15 a public drainage system, private drainage system, or a receiving water within or contiguous to  
16 Seattle city limits, cause or contribute to a prohibited discharge or a known or likely violation of  
17 water quality standards in the receiving water or a known or likely violation of the City's  
18 municipal stormwater NPDES permit.

19 **22.805.020 Minimum requirements for all projects**

20 A. Minimum requirements for maintaining natural drainage patterns. For all projects,  
21 natural drainage patterns shall be maintained and discharges shall occur at the natural location to  
22 the maximum extent feasible and consistent with subsection 22.805.020.B. Drainage water  
23 discharged from the site shall not cause a significant adverse impact to receiving waters or down-

gradient properties. Drainage water retained or infiltrated on the site shall not cause significant adverse impact to up-gradient or down-gradient properties.

B. Minimum requirements for discharge point. The discharge point for drainage water from each site shall be selected using criteria that shall include, but not be limited to, preservation of natural drainage patterns and whether the capacity of the drainage system is adequate for the flow rate and volume. For those projects meeting the drainage review threshold, the proposed discharge point shall be identified in the drainage control plan required by this subtitle, for review and approval or disapproval by the Director.

C. Minimum requirements for flood-prone areas. On sites within flood-prone areas, responsible parties are required to employ procedures to minimize the potential for flooding on the site and to minimize the potential for the project to increase the risk of floods on adjacent or nearby properties. Flood control measures shall include those set forth in other titles of the Seattle Municipal Code and rules promulgated thereunder, including, but not limited to, Chapter ~~((23.60 (Shoreline District)))~~ 23.60A (Seattle Shoreline Master Program), Chapter 25.06 (Floodplain Development) and Chapter 25.09 (Regulations for Environmentally Critical Areas).

D. Minimum requirements for construction stormwater pollution prevention plan. Temporary and permanent construction controls shall be used to accomplish the following minimum requirements. All projects are required to meet each of the elements below or document why an element is not applicable. Additional controls may be required by the Director when minimum controls are not sufficient to prevent erosion or transport of sediment or other pollutants from the site.

1. Mark clearing limits and environmentally critical areas. Within the boundaries of the project site and prior to beginning land disturbing activities, including clearing and

grading, clearly mark all clearing limits, easements, setbacks, all environmentally critical areas and their buffers, and all trees and drainage courses that are to be preserved within the construction area.

2. Retain top layer. Within the boundaries of the project site, the duff layer, topsoil, and native vegetation, if there is any, shall be retained in an undisturbed state to the maximum extent feasible. If it is not feasible to retain the top layer in place, it should be stockpiled on-site, covered to prevent erosion, and replaced immediately upon completion of the land disturbing activities to the maximum extent feasible.

3. Establish construction access. Limit construction vehicle access, whenever possible, to one route. Stabilize access points and minimize tracking sediment onto public roads. Promptly remove any sediment tracked off site.

4. Protect downstream properties and receiving waters. Protect properties and receiving waters downstream from the development sites from erosion or flooding due to increases in the volume, velocity, duration, and peak flow rate of drainage water from the project site. If it is necessary to construct flow control facilities to meet this requirement, these facilities shall be functioning prior to implementation of other land disturbing activity. If permanent infiltration facilities are used to control flows during construction, these facilities shall be protected from siltation during the construction phase of the project.

5. Prevent erosion and sediment transport from the site. Pass all drainage water from disturbed areas through a sediment trap, sediment pond, or other appropriate sediment removal BMP before the water leaves the site or prior to discharge to an infiltration facility. Sediment controls intended to trap sediment on site shall be constructed as one of the first steps in grading and shall be functional before other land disturbing activities take place. BMPs

intended to trap sedimentation shall be located in a manner to avoid interference with the movement of juvenile salmonids attempting to enter off-channel areas or drainages. Provide and maintain natural buffers around surface waters, direct stormwater to vegetated areas to increase sediment removal and maximize stormwater infiltration where feasible.

6. Prevent erosion and sediment transport from the site by vehicles. Whenever construction vehicle access routes intersect paved roads, the transport of sediment onto the paved road shall be minimized. If sediment is transported onto a paved road surface, the roads shall be cleaned thoroughly at the end of each day. Sediment shall be removed from paved roads by shoveling or sweeping and shall be transported to a controlled sediment disposal area. If sediment is tracked off site, roads shall be cleaned thoroughly at the end of each day, or at least twice daily during wet weather. Street washing is allowed only after sediment is removed, and street wash wastewater shall be prevented from entering the drainage system and receiving waters.

7. Stabilize soils. Prevent on-site erosion by stabilizing all exposed and unworked soils, including stock piles and earthen structures such as dams, dikes, and diversions. From October 1 to April 30, no soils shall remain exposed and unworked for more than two days. From May 1 to September 30, no soils shall remain exposed for more than seven days. Soils shall be stabilized at the end of the shift before a holiday or weekend if needed based on the weather forecast. Soil stockpiles shall be stabilized from erosion, protected with sediment trapping measures, and be located away from storm drain inlets, waterways, and drainage channels. Before the completion of the project, permanently stabilize all exposed soils that have been disturbed during construction.



1                   8. Protect slopes. Erosion from slopes shall be minimized. Cut and fill slopes shall  
2 be designed and constructed in a manner that will minimize erosion. Off-site stormwater run-on  
3 or groundwater shall be diverted away from slopes and undisturbed areas with interceptor dikes,  
4 pipes, and/or swales. Pipe slope drains or protected channels shall be constructed at the top of  
5 slopes to collect drainage and prevent erosion. Excavated material shall be placed on the uphill  
6 side of trenches, consistent with safety and space considerations. Check dams shall be placed at  
7 regular intervals within constructed channels that are cut down a slope.

8                   9. Protect storm drains. Prevent sediment from entering all storm drains, including  
9 ditches that receive drainage water from the project. Storm drain inlets protection devices shall  
10 be cleaned or removed and replaced as recommended by the product manufacturer, or more  
11 frequently if required to prevent failure of the device or flooding. Storm drain inlets made  
12 operable during construction shall be protected so that drainage water does not enter the drainage  
13 system without first being filtered or treated to remove sediments. Storm drain inlet protection  
14 devices shall be removed at the conclusion of the project. When manufactured storm drain inlet  
15 protection devices are not feasible, inlets and catch basins must be cleaned as necessary to  
16 prevent sediment from entering the drainage control system.

17                  10. Stabilize channels and outlets. All temporary on-site drainage systems shall be  
18 designed, constructed, and stabilized to prevent erosion. Stabilization shall be provided at the  
19 outlets of all drainage systems that is adequate to prevent erosion of outlets, adjacent stream  
20 banks, slopes, and downstream reaches.

21                  11. Control pollutants. Measures shall be taken to control potential pollutants and  
22 shall include, but not be limited to, the following measures:

1 a. All pollutants, including sediment, waste materials, and demolition  
2 debris, that occur on site shall be handled and disposed of in a manner that does not cause  
3 contamination of drainage water and pursuant to all applicable disposal laws.

4 b. Containment, cover, and protection from vandalism shall be provided  
5 for all chemicals, liquid products, petroleum products, and other materials that have the potential  
6 to pose a threat to human health or the environment.

7 c. On-site fueling tanks shall include secondary containment.

8 d. Maintenance, fueling, and repair of heavy equipment and vehicles  
9 involving oil changes, hydraulic system drain down, solvent and de-greasing cleaning operations,  
10 fuel tank drain down and removal, and other activities which may result in discharge or spillage  
11 of pollutants to the ground or into drainage water runoff shall be conducted using spill  
12 prevention and control measures.

13 e. Contaminated soils shall be removed and surfaces shall be cleaned  
14 immediately following any discharge or spill incident.

15 f. Wheel wash or tire bath wastewater shall be discharged to a separate on-  
16 site treatment system that prevents discharge to surface water, or to the sanitary sewer or  
17 combined sewer system with approval of the Director of SPU. Temporary discharges or  
18 connections to the public sanitary and combined sewers shall be made in accordance with  
19 Chapter 21.16 (Side Sewer Code).

20 g. Application of fertilizers and pesticides shall be conducted in a manner  
21 and at application rates that will not result in loss of chemical to drainage water. Manufacturers'  
22 label requirements for application rates and procedures shall be followed.

h. BMPs shall be used to prevent or treat contamination of drainage water by pH-modifying sources. These sources include, but are not limited to, recycled concrete stockpiles, bulk cement, cement kiln dust, fly ash, new concrete washing and curing waters, waste streams generated from concrete grinding and sawing, exposed aggregate processes, and concrete pumping and mixer washout waters. Construction site operators may be required to adjust the pH of drainage water if necessary to prevent a violation of water quality standards.

i. Construction site operators must obtain written approval from Ecology prior to using chemical treatment other than carbon dioxide (CO<sub>2</sub>) dry ice, or food grade vinegar, to adjust pH.

j. Uncontaminated water from water-only based shaft drilling for construction of building, road, and bridge foundations may be infiltrated provided the wastewater is managed in a way that prevents discharge to surface waters. Prior to infiltration, water from water-only based shaft drilling that comes into contact with curing concrete must be neutralized until pH is in the range of 6.5 to 8.5 (su).

k. Train all employees on proper BMPs for preventing illicit discharges, including spills.

12. Control dewatering. When dewatering devices discharge on site, to a public drainage system, or to the public combined sewer, dewatering devices shall discharge into a sediment trap, sediment pond, gently sloping vegetated area of sufficient length to remove sediment contamination, or other sediment removal BMP. Foundation, vault, and trench dewatering waters must be discharged into a controlled drainage system prior to discharge to a sediment trap or sediment pond. Clean, non-turbid dewatering water, such as unpolluted well-point groundwater, that is discharged to systems tributary to ((state)) surface waters must not

1 cause erosion or flooding. Highly turbid or contaminated dewatering water shall be handled  
2 separately from drainage water. For ~~((any project))~~ all projects with an excavation depth of 12  
3 feet or more below the existing grade, all projects with an excavation depth of less than 12 feet  
4 located in an area expected to have shallow groundwater depths, and ~~((for))~~ all ~~((large))~~ projects  
5 with 5,000 sf or more of new plus replaced hard surface or one acre or more of land disturbing  
6 activity, a dewatering analysis ~~((flows))~~ must be performed ~~((determined))~~ to determine  
7 dewatering flows and ~~((it must be verified))~~ to verify that there is sufficient capacity in the  
8 downstream system (e.g., public drainage system, ~~((and))~~ public combined sewer) ~~((prior to~~  
9 discharging)) for review and approval or disapproval by the Director.

10 13. Maintain BMPs. All temporary and permanent erosion and sediment control  
11 BMPs shall be maintained and repaired as needed to assure continued performance of their  
12 intended function. All temporary erosion and sediment controls shall be removed within five  
13 days after final site stabilization is achieved or after the temporary controls are no longer needed,  
14 whichever is later. Trapped sediment shall be removed or stabilized on site. Disturbed soil areas  
15 resulting from removal shall be permanently stabilized.

16 14. Inspect BMPs. BMPs shall be periodically inspected. For projects with 5,000  
17 square feet or more of new plus replaced hard surface or 7,000 square feet or more of land  
18 disturbing activity, site inspections shall be conducted by a Certified Erosion and Sediment  
19 Control Lead who shall be identified prior to construction and shall be present on-site or on-call  
20 at all times.

21 15. Execute Construction Stormwater Control Plan. Construction site operators  
22 shall maintain, update, and implement their Construction Stormwater Control Plan. Construction  
23 site operators shall modify their Construction Stormwater Control Plan to maintain compliance

whenever there is a change in design, construction, operation, or maintenance at the site that has, or could have, a significant effect on the discharge of pollutants to waters of the state.

16. Minimize open trenches. In the construction of underground utility lines, where feasible, no more than 150 feet of trench shall be opened at one time, unless soil is replaced within the same working day, and where consistent with safety and space considerations, excavated material shall be placed on the uphill side of trenches. Trench dewatering devices shall discharge into a sediment trap or sediment pond.

17. Phase the project. Development projects shall be phased to the maximum extent feasible in order to minimize the amount of land disturbing activity occurring at the same time and shall take into account seasonal work limitations.

18. Install flow control and water quality facilities. Development projects required to comply with Section 22.805.080 ( requirements for flow control) or Section 22.805.090 (Minimum requirements for treatment) shall install permanent flow control and water quality facilities to prevent erosion or transport of sediment or other pollutants from the site during construction.

19. Protect stormwater BMPs

a. Protect all stormwater BMPs from sedimentation through installation and maintenance of erosion and sediment control BMPs. Restore the BMPs to their fully functioning condition if they accumulate sediment during construction. Restoring the stormwater BMP must include removal of sediment and any sediment-laden stormwater BMP soils, and replacing the removed soils with soils meeting the design specification.

1                               b. Prevent compacting ~~((on-site))~~ infiltration BMPs by excluding  
2 construction equipment and foot traffic. Protect completed lawn and landscaped areas from  
3 compaction due to construction equipment.

4                               c. Control erosion and avoid introducing sediment from surrounding land  
5 uses onto permeable pavements. Do not allow muddy construction equipment on the base  
6 material or pavement. Do not allow sediment-laden runoff onto permeable pavements or base  
7 materials.

8                               d. Permeable pavements fouled with sediments or no longer passing an  
9 initial infiltration test must be cleaned until infiltrating per design or replaced.

10                              e. Keep all heavy equipment off existing soils under ~~((on-site))~~ infiltration  
11 BMPs, especially those that have been excavated to final grade, to retain the infiltration rate of  
12 the soils.

13               E. Protect wetlands. All projects discharging into a wetland or its buffer, either directly or  
14 indirectly through a drainage system, shall prevent impacts to wetlands that would result in a net  
15 loss of functions or values.

16               F. Protect Streams and creeks. All projects, including projects discharging directly to a  
17 stream or creek, or to a drainage system that discharges to a stream or creek, shall maintain the  
18 water quality in any affected stream or creek by selecting, designing, installing, and maintaining  
19 temporary and permanent controls.

20               G. Protect shorelines. All projects discharging directly or indirectly through a drainage  
21 system into the shoreline district as defined in Chapter ~~((23-60))~~ 23.60A (Seattle Shoreline  
22 Master Program) shall prevent impacts to water quality and stormwater quantity that would  
23 result in a net loss of shoreline ecological functions as defined in WAC 173-26-020(13).

1 H. Ensure sufficient capacity. All ~~((large))~~ projects with 5,000 square feet or more of new  
2 plus replaced hard surface or one acre of land disturbing activity, all projects with an excavation  
3 depth of 12 feet or more below the existing grade, ~~((and))~~ all projects with an excavation depth  
4 of less than 12 feet located in an area expected to have shallow groundwater depths, and all  
5 projects that alter the drainage pattern from 5,000 square feet or more of an existing, new, or  
6 replaced hard surface or 3/4 of an acre or more of a pervious surface from a site to a downstream  
7 system not previously connected via discrete conveyance shall ensure that sufficient capacity  
8 exists in the ~~((public))~~ drainage system and public combined sewer to carry existing and  
9 anticipated loads, including any flows from dewatering activities. Capacity analysis shall extend  
10 to at least 1/4-mile from the discharge point of the site. Sites at which there is insufficient  
11 capacity may be required to install a flow control facility or improve the drainage system or  
12 public combined sewer to accommodate flow from the site. Unless approved otherwise by the  
13 Director as necessary to meet the purposes of this subtitle:

- 14 1. Capacity analysis for discharges to the ~~((public))~~ drainage system shall be  
15 based on peak flows with a 4 percent annual probability (25-year recurrence interval); and  
16 2. Capacity analysis for discharges to the public combined sewer shall be based  
17 on peak flows with a 20 percent annual probability (5-year recurrence interval).

18 I. Install source control BMPs. Source control BMPs shall be installed for discharges,  
19 properties, and by businesses and public entities for specific pollution-generating activities as  
20 specified in Chapter 22.803 and in the joint SPU/SDCI Directors' Rule titled "Seattle Stormwater  
21 Manual" at "Volume 4—Source Control," to the extent necessary to prevent prohibited  
22 discharges as described in Section 22.802.020 and to prevent contaminants from coming in  
23 contact with drainage water. This requirement applies to the pollution-generating activities that

are stationary or occur in one primary location and to the portion of the site being developed.

Examples of installed source controls include, but are not limited to, the following:

1. A roof, awning, or cover erected over the pollution-generating activity area;

2. Ground surface treatment in the pollution-generating activity area to prevent interaction with, or breakdown of, materials used in conjunction with the pollution-generating activity;

3. Containment of drainage from the pollution-generating activity to a closed sump or tank. Contents of such a sump or tank must be pumped or hauled by a waste handler, or treated prior to discharge to a public drainage system;

4. Construct a berm or dike to enclose or contain the pollution-generating activities;

5. Direct drainage from containment area of pollution-generating activity to a closed sump or tank for settling and appropriate disposal, or treat prior to discharging to a public drainage system;

6. Pave, treat, or cover the containment area of pollution-generating activities with materials that will not interact with or break down in the presence of other materials used in conjunction with the pollution-generating activity; and

7. Prevent precipitation from flowing or being blown onto containment areas of pollution-generating activities.

J. Do not obstruct watercourses. Watercourses shall not be obstructed.

K. Comply with Side Sewer Code

1. All privately owned and operated drainage control facilities or systems, whether or not they discharge to a public drainage system or public combined sewer, shall be



considered side sewers and subject to Chapter 21.16 (Side Sewer Code), SPU Director's Rules promulgated under Title 21, and the design and installation specifications and permit requirements of SPU ~~((and SDCI))~~ for side sewer and drainage systems.

2. Side sewer permits and inspections shall be required for constructing, capping, altering, or repairing privately owned and operated drainage systems as provided for in Chapter 21.16. When the work is ready for inspection, the permittee shall notify the Director of ~~((SDCI))~~ [SPU](#). If the work is not constructed according to the plans approved under this Subtitle VIII, Chapter 21.16, the SPU Director's Rules promulgated under Title 21, and SPU ~~((and SDCI))~~ design and installation specifications, then the Director may issue a stop work order under Chapter 22.808 and require modifications as provided for in this Subtitle VIII and Chapter 21.16.

L. Extension of the public drainage system for projects not constructed in the public right-of-way. For projects not constructed in the public right-of-way, extension of the piped public drainage system across the full extent of the parcel boundary in the abutting public place shall be required for any of the following:

1. All projects where the Director has determined an extension is required considering, but not limited to, the following attributes of the project:
  - a. Poses a hazard to public health, safety, or welfare;
  - b. Endangers any property;
  - c. Adversely affects the safety and operation of public right-of-way, utilities, or other property owned or maintained by the City;
  - d. Adversely affects the functions and values of an environmentally critical area or buffer;
  - e. Adversely affects an area with known erosion or flooding problems; or

f. Adversely affects receiving waters, any properties, or right-of-way.

2. All projects with 5,000 square feet or more of new plus replaced hard surface,  
unless:

a. The piped public drainage system is already accessible within an  
abutting public place to each existing, proposed, or adjusted parcel; or

b. The project is otherwise not required to extend by rules promulgated by  
the Director.

M. Extension of the public drainage system for projects constructed in the public right-of-  
way. For projects constructed in the public right-of-way, extension of the piped public drainage  
system across the full extent of the site shall be required for any of the following:

1. All projects where the Director has determined an extension is required  
considering, but not limited to, the following attributes of the project:

a. Poses a hazard to public health, safety, or welfare;

b. Endangers any property;

c. Adversely affects the safety and operation of City right-of-way, utilities,  
or other property owned or maintained by the City;

d. Adversely affects the functions and values of an environmentally  
critical area or buffer;

e. Adversely affects an area with known erosion or flooding problems; or

f. Adversely affects receiving waters, any properties, or right-of-way.

2. The project's total new plus replaced hard surface is 50 percent or more of the  
existing hard surfaces within the project limits. The project limits are defined by the length of the  
project and the width of the right-of-way. If a project encompasses more than one intersection,

the project limits are further defined by one intersection to the other and blocks may vary in length, unless:

a. The piped public drainage system is already accessible within the site across the full extent of the site; or

b. The project is otherwise not required to extend by rules promulgated by the Director.

N. Public drainage system requirements. Public drainage systems shall be constructed in accordance with the City's Standard Plans and Specifications, SPU's Design Standards and Guidelines, and as specified in rules promulgated by the Director of SPU.

O. Minimum requirements for treatment. All projects that connect flows from 5,000 square feet or more of an existing, new, or replaced pollution-generating hard surface from the site not previously connected via discrete conveyance to a drainage system that discharges to a receiving water or a receiving water and all projects that convert an existing hard surface of 5,000 square feet or more to a pollution-generating hard surface (e.g., an existing slab not previously subject to vehicular use) and direct flows from the site not previously connected via discrete conveyance to a drainage system that discharges to a receiving water or a receiving water shall comply with the minimum requirements for treatment contained in Section 22.805.090 to treat flows from those pollution-generating hard surfaces. When stormwater flows from other areas, including non-pollution generating surfaces (e.g., roofs), dewatering activities, and off-site areas, cannot be separated or bypassed, treatment BMPs shall be designed for the entire area draining to the treatment facility.

~~((22.805.030 Minimum requirements for single-family residential projects~~

~~A. Soil amendment. Retain and protect undisturbed soil in areas not being developed, and prior to completion of the project, amend all new, replaced, and disturbed topsoil (including construction lay-down areas) with organic matter to the extent required by and in compliance with the rules promulgated by the Director.~~

~~B. On-site stormwater management. Single-family residential projects shall meet the minimum requirements for on-site stormwater management contained in Section 22.805.070, to the extent allowed by law, if:~~

~~1. For a project on a lot most recently created, adjusted, altered, or otherwise amended by a plat or other lawful document recorded with the King County Recorder on or after January 1, 2016, and where that document either created the lot or altered the size of the lot, either the total new plus replaced hard surface is 750 square feet or more or land disturbing activity is 7,000 square feet or more; or~~

~~2. For any other project, either the total new plus replaced hard surface is 1,500 square feet or the land disturbing activity is 7,000 square feet or more.))~~

**22.805.040 Minimum requirements for trail and sidewalk projects**

A. Soil amendment. Retain and protect undisturbed soil in areas not being developed, and prior to completion of the project, amend all new, replaced, and disturbed topsoil (including construction lay-down areas) with organic matter to the extent required by and in compliance with the rules promulgated by the Director.

B. On-site stormwater management. All trail and sidewalk projects with 2,000 square feet or more of new plus replaced hard surface or 7,000 square feet or more of land disturbing

activity shall meet the minimum requirements for on-site stormwater management contained in Section 22.805.070, to the extent allowed by law.

**22.805.050 Minimum requirements for parcel-based projects**

A. Soil amendment. Retain and protect undisturbed soil in areas not being developed, and prior to completion of the project, amend all new, replaced, and disturbed topsoil (including construction lay-down areas) with organic matter to the extent required by and in compliance with the rules promulgated by the Director.

B. On-site stormwater management. Parcel-based projects shall meet the minimum requirements for on-site stormwater management contained in Section 22.805.070, to the extent allowed by law, if:

1. For a project on a lot most recently created, adjusted, altered, or otherwise amended by a plat or other lawful document recorded with the King County Recorder on or after January 1, 2016, and where that document either created the lot or altered the size of the lot, either the total new plus replaced hard surface is 750 square feet or more or land disturbing activity is 7,000 square feet or more; or

2. For any other project, either the total new plus replaced hard surface is 1,500 square feet or more or the land disturbing activity is 7,000 square feet or more.

C. Flow control. Parcel-based projects shall meet the minimum requirements for flow control contained in Section 22.805.080, to the extent allowed by law, as prescribed below.

1. Discharges to wetlands. Parcel-based projects discharging into a wetland, or to the drainage basin of a wetland, shall:

a. Comply with Section 22.805.020 (Minimum requirements for all projects), including, but not limited to subsection 22.805.020.E (Protect wetlands).

b. Comply with the minimum requirements for wetland protection contained in subsection 22.805.080.B.1 (Wetland protection standards) if:

1) The total new plus replaced hard surface is 5,000 square feet or more; or

2) The project converts 3/4 acres or more of vegetation to lawn or landscaped areas, and from the project there is a surface discharge into a natural or constructed conveyance system from the site; or

3) The project converts 2.5 acres or more of native vegetation to pasture and from the project there is a surface discharge into a natural or constructed conveyance system from the site.

2. Discharges to listed creek basins. Parcel-based projects discharging into Blue Ridge Creek, Broadview Creek, Discovery Park Creek, Durham Creek, Frink Creek, Golden Gardens Creek, Kiwanis Ravine/Wolfe Creek, Licton Springs Creek, Madrona Park Creek, Mee-Kwa-Mooks Creek, Mount Baker Park Creek, Puget Creek, Riverview Creek, Schmitz Creek, Taylor Creek, or Washington Park Creek, or to the drainage basin of such creek, shall:

a. Comply with subsection 22.805.080.B.2 (Pre-developed forested standard) if the existing hard surface coverage is less than 35 percent and one or more of the following apply:

1) The project adds 5,000 square feet or more of new hard surface and the total new plus replaced hard surface is 10,000 square feet or more; or

2) The project converts 3/4 acres or more of vegetation to lawn or landscaped areas, and from the project there is a surface discharge into a natural or constructed conveyance system from the site; or

3) The project converts 2.5 acres or more of native vegetation to pasture, and from the project there is a surface discharge into a natural or constructed conveyance system from the site; or

4) The project adds 5,000 square feet or more of new hard surface and, through a combination of effective hard surfaces and converted pervious surfaces, causes a 0.15 cubic feet per second increase in the 100-year recurrence interval flow frequency as estimated using a continuous model approved by the Director.

b. Comply with subsection 22.805.080.B.3 (Pre-developed pasture standard) if the criteria in subsection 22.805.050.C.2.a do not apply and one or more apply:

1) The total new plus replaced hard surface is 5,000 square feet or more; or

2) The project converts 3/4 acres or more of vegetation to lawn or landscaped areas, and from the project there is a surface discharge into a natural or constructed conveyance system from the site; or

3) The project converts 2.5 acres or more of native vegetation to pasture, and from the project there is a surface discharge into a natural or constructed conveyance system from the site.

3. Discharges to non-listed creek basins. Parcel-based projects discharging into a creek not listed in subsection 22.805.050.C.2, or to the drainage basin of such creek, shall:

a. Comply with subsection 22.805.080.B.2 (Pre-developed forested standard) if the existing land cover is forested and one or more of the following apply:

1) The project adds 5,000 square feet or more of new hard surface and the total new plus replaced hard surface is 10,000 square feet or more; or

2) The project converts 3/4 acres or more of vegetation to lawn or landscaped areas, and from the project there is a surface discharge into a natural or constructed conveyance system from the site; or

3) The project converts 2.5 acres or more of native vegetation to pasture, and from the project there is a surface discharge into a natural or constructed conveyance system from the site; or

4) The project adds 5,000 square feet or more of new hard surface and, through a combination of effective hard surfaces and converted pervious surfaces, causes a 0.15 cubic feet per second increase in the 100-year recurrence interval flow frequency as estimated using a continuous model approved by the Director.

b. Comply with subsection 22.805.080.B.3 (Pre-developed pasture standard) if the criteria in subsection 22.805.050.C.3.a do not apply and one or more of the following apply:

1) The total new plus replaced hard surface is 5,000 square feet or more; or

2) The project converts 3/4 acres or more of vegetation to lawn or landscaped areas, and from the project there is a surface discharge into a natural or constructed conveyance system from the site; or

3) The project converts 2.5 acres or more of native vegetation to pasture, and from the project there is a surface discharge into a natural or constructed conveyance system from the site.

4. Discharges to small lake basins. Parcel-based projects discharging into Bitter Lake, Green Lake, or Haller Lake, or to the drainage basin of such lake, shall comply with



subsection 22.805.080.B.5 (Peak control standard) if the total new plus replaced hard surface is ~~((2,000))~~ 5,000 square feet or more.

5. Discharges to public combined sewer. Unless the Director of SPU has determined that the public combined sewer has sufficient capacity to carry existing and anticipated loads, parcel-based projects discharging into the public combined sewer or its basin shall comply with subsection 22.805.080.B.5 (Peak control standard) if the total new plus replaced hard surface is 5,000 square feet or more.

6. Discharges to a capacity-constrained system. In addition to applicable minimum requirements for flow control in subsection 22.805.050.C.1 through subsection 22.805.050.C.5, parcel-based projects discharging into a capacity-constrained system or its basin shall also comply with subsection 22.805.080.B.5 (Peak control standard) if the total new plus replaced hard surface is ~~((2,000))~~ 5,000 square feet or more unless the downstream system only includes ditches or culverts and the system has been determined to have sufficient capacity as specified in subsection 22.805.020.H (Ensure sufficient capacity).

7. Discharges from groundwater. In addition to applicable minimum requirements for flow control in subsection 22.805.050.C.1 through subsection 22.805.050.C.6, parcel-based projects that will permanently discharge groundwater to a public drainage system or to a public combined sewer shall also comply with subsection 22.805.080.B.5 (Peak control standard) if the total new plus replaced hard surface is 2,000 square feet or more.

D. Treatment. Parcel-based projects not discharging to the public combined sewer shall comply with the minimum requirements for treatment contained in Section 22.805.090 for flows from the total new plus replaced pollution-generating hard surface and the new plus replaced pollution-generating pervious surface, to the extent allowed by law, if:

1. The total new plus replaced pollution-generating hard surface is 5,000 square feet or more; or

2. The total new plus replaced pollution-generating pervious surfaces is 3/4 acres or more, and from ~~((the project))~~ which there is a surface discharge in a natural or constructed conveyance system from the site.

#### 22.805.060 Minimum requirements for roadway projects

A. Soil amendment. Retain and protect undisturbed soil in areas not being developed, and prior to completion of the project, amend all new, replaced, and disturbed topsoil (including construction lay-down areas) with organic matter to the extent required by and in compliance with the rules promulgated by the Director.

B. On- ~~((Site))~~ site stormwater management. All roadway projects with 2,000 square feet or more of new plus replaced hard surface or 7,000 square feet or more of land disturbing activity shall meet the requirements for on-site stormwater management contained in Section 22.805.070, to the extent allowed by law, except as provided in subsection 22.805.060.E.

C. Flow control. Roadway projects shall meet the minimum requirements for flow control contained in Section 22.805.080, to the extent allowed by law, as prescribed below, except as provided in subsection 22.805.060.E.

1. Discharges to wetlands. Roadway projects discharging into a wetland or to the drainage basin of a wetland, shall:

a. Comply with Section 22.805.020 (Minimum requirements for all projects), including, but not limited to subsection 22.805.020.E (Protect wetlands).

b. Comply with the minimum requirements for wetland protection contained in subsection 22.805.080.B.1 (Wetland protection standards) if the existing hard surface coverage is less than 35 percent and one or more of the following apply:

1) The total new plus replaced hard surface is 5,000 square feet or more; or

2) The project converts 3/4 acres or more of vegetation to lawn or landscaped areas, and from the project there is a surface discharge into a natural or constructed conveyance system from the site; or

3) The project converts 2.5 acres or more of native vegetation to pasture and from the project there is a surface discharge into a natural or constructed conveyance system from the site.

c. Comply with the minimum requirements for wetland protection contained in subsection 22.805.080.B.1 (Wetland protection standards) if the existing hard surface coverage is greater than or equal to 35 percent and one or more of the following apply:

1) The total new plus replaced hard surface is 10,000 square feet or more, and

a. If the new hard surfaces total 50 percent or more of the existing hard surfaces within the project limits, comply with subsection 22.805.080.B.1 (Wetland Protection Standards) for the flows from the total new plus replaced hard surfaces. The project limits are defined by the length of the project and the width of the right-of-way; or

b. If the new hard surfaces total less than 50 percent of the existing hard surfaces within the project limits, comply with subsection 22.805.080.B.1 (Wetland

Protection Standards) for the flows from the total new hard surfaces. The project limits are defined by the length of the project and the width of the right-of-way; ((or)) and

2) The project converts 3/4 acres or more of vegetation to lawn or landscaped areas, and from the project there is a surface discharge into a natural or constructed conveyance system from the site; or

3) The project converts 2.5 acres or more of native vegetation to pasture and from the project there is a surface discharge into a natural or constructed conveyance system from the site.

2. Discharges to listed creek basins. Roadway projects discharging into Blue Ridge Creek, Broadview Creek, Discovery Park Creek, Durham Creek, Frink Creek, Golden Gardens Creek, Kiwanis Ravine/Wolfe Creek, Licton Springs Creek, Madrona Park Creek, Mee-Kwa-Mooks Creek, Mount Baker Park Creek, Puget Creek, Riverview Creek, Schmitz Creek, Taylor Creek, or Washington Park Creek, or to the drainage basin of such creek, shall:

a. Comply with subsection 22.805.080.B.2 (Pre-developed forested standard) if the existing hard surface coverage is less than 35 percent and one or more of the following apply:

1) The project adds ~~((5,000))~~ 10,000 square feet or more of new plus replaced hard surface ~~((and the total new plus replaced hard surface is 10,000 square feet or more))~~; or

2) The project converts 3/4 acres or more of vegetation to lawn or landscaped areas, and from the project there is a surface discharge into a natural or constructed conveyance system from the site; or

3) The project converts 2.5 acres or more of native vegetation to pasture, and from the project there is a surface discharge into a natural or constructed conveyance system from the site; or

4) The project adds 5,000 square feet or more of new hard surface and, through a combination of effective hard surfaces and converted pervious surfaces, causes a 0.15 cubic feet per second increase in the 100-year recurrence interval flow frequency as estimated using a continuous model approved by the Director.

b. Comply with subsection 22.805.080.B.4 (Existing condition standard) if the criteria in subsection 22.805.060.C.2.a do not apply and the project adds 5,000 square feet or more of new hard surface and the total new plus replaced hard surface is 10,000 square feet or more, and:

1) If the new plus replaced hard ~~((surface adds))~~ surfaces total 50 percent or more ~~((to))~~ of the existing hard surfaces within the project limits, comply with subsection 22.805.080.B.4 (Existing condition standard) for the flows from the total **new plus replaced** hard surfaces. The project limits are defined by the length of the project and the width of the right-of-way; or

2) If the new plus replaced hard ~~((surface adds))~~ surfaces total less than 50 percent ~~((to))~~ of the existing hard surfaces within the project limits, comply with subsection 22.805.080.B.4 (Existing condition standard) for the flows from the total **new** hard surfaces. The project limits are defined by the length of the project and the width of the right-of-way.

3. Discharges to non-listed creek basins. Roadway projects discharging into a creek not listed in subsection 22.805.060.C.2, or to the drainage basin of such creek, shall:

a. Comply with subsection 22.805.080.B.2 (Pre-developed forested standard) if the existing land cover is forested and one or more of the following apply:

1) The project adds ~~((5,000))~~ 10,000 square feet or more of new plus replaced hard surface ~~((and the total new plus replaced hard surface is 10,000 square feet or more))~~; or

2) The project converts 3/4 acres or more of vegetation to lawn or landscaped areas, and from the project there is a surface discharge into a natural or constructed conveyance system from the site; or

3) The project converts 2.5 acres or more of native vegetation to pasture, and from the project there is a surface discharge into a natural or constructed conveyance system from the site; or

4) The project adds 5,000 square feet or more of new hard surface and, through a combination of effective hard surfaces and converted pervious surfaces, causes a 0.15 cubic feet per second increase in the 100-year recurrence interval flow frequency as estimated using a continuous model approved by the Director.

b. Comply with subsection 22.805.080.B.4 (Existing condition standard) if the criteria in subsection 22.805.060.C.3.a do not apply and the total new plus replaced hard surface is 10,000 square feet or more, and:

1) If the new plus replaced hard ~~((surface adds))~~ surfaces total 50 percent or more ~~((to))~~ of the existing hard surfaces within the project limits, comply with subsection 22.805.080.B.4 (Existing condition standard) for the flows from the total **new plus replaced** hard surfaces. The project limits are defined by the length of the project and the width of the right-of-way; or

2) If the new plus replaced hard ~~((surface adds))~~ surfaces total less than 50 percent ~~((+))~~ of the existing hard surfaces within the project limits, comply with subsection 22.805.080.B.4 (Existing condition standard) for the flows from the total **new** hard surfaces. The project limits are defined by the length of the project and the width of the right-of-way.

4. Discharges to small lake basins. Roadway projects discharging into Bitter Lake, Green Lake, or Haller Lake, or to the drainage basin of such lake, shall comply with subsection 22.805.080.B.4 (Existing condition standard) if the total new plus replaced hard surface is 10,000 square feet or more, and:

a. If the new plus replaced hard ~~((surface adds))~~ surfaces total 50 percent or more ~~((+))~~ of the existing hard surfaces within the project limits, comply with subsection 22.805.080.B.4 (Existing condition standard) for the flows from the total new plus replaced hard surfaces. The project limits are defined by the length of the project and the width of the right-of-way; or

b. If the new plus replaced hard ~~((surface adds))~~ surfaces total less than 50 percent ~~((+))~~ of the existing hard surfaces within the project limits, comply with subsection 22.805.080.B.4 (Existing condition standard) for the flows from the total new hard surfaces. The project limits are defined by the length of the project and the width of the right-of-way.

5. Discharges to a capacity-constrained system. In addition to applicable minimum requirements for flow control in subsection 22.805.060.C.1 through subsection 22.805.060.C.4, roadway projects discharging into a capacity-constrained system or its basin shall also comply with subsection 22.805.080.B.4 (Existing condition standard) if the total new hard surface is 10,000 square feet or more unless the downstream system only includes ditches or

culverts and has been determined to have sufficient capacity as specified in 22.805.020.H  
(Ensure sufficient capacity).

D. Treatment. Roadway projects not discharging to the public combined sewer shall, to the extent allowed by law, except as provided in subsection 22.805.060.E:

1. If the site has less than 35 percent existing hard surface coverage, and the project's total new plus replaced pollution-generating hard surface is 5,000 square feet or more, comply with the minimum requirements for treatment contained in Section 22.805.090 for flows from the total new plus replaced pollution-generating hard surface and new plus replaced pollution-generating pervious surface; and

2. If the site has greater than or equal to 35 percent existing hard surface coverage and the project's total new plus replaced pollution-generating hard surface is 5,000 square feet or more, and

a. If the new plus replaced pollution-generating hard ~~((surface-adds))~~ surfaces total 50 percent or more ~~((+))~~ of the existing hard surfaces within the project limits, comply with the minimum requirements for treatment contained in Section 22.805.090 for flows from the total new plus replaced pollution-generating hard surface and new plus replaced pollution-generating pervious surface. The project limits are defined by the length of the project and the width of the right-of-way; or

b. If the new plus replaced pollution-generating hard ~~((surface-adds))~~ surfaces total less than 50 percent ~~((+))~~ of the existing hard surfaces within the project limits, comply with the minimum requirements for treatment contained in Section 22.805.090 for flows from the total new pollution-generating hard surface and new pollution-generating pervious



surface. The project limits are defined by the length of the project and the width of the right-of-way; and

3. If the total new plus replaced pollution-generating pervious surfaces is 3/4 acres or more, and from ~~((the project))~~ which there is a surface discharge in a natural or constructed conveyance system from the site, comply with the minimum requirements for treatment contained in Section 22.805.090 for flows from the total new plus replaced pollution-generating pervious surface and the new plus replaced pollution-generating hard surface.

E. For a roadway project that adds less than 50 percent to the existing hard surface within the project limits on a site having greater than 35 percent existing hard surface coverage, the requirements of subsections 22.805.060.B, 22.805.060.C and 22.805.060.D to install drainage control facilities are modified based on infeasibility to the degree that (1) complete installation would require that an existing major publicly or privately owned infrastructure or utility element be relocated, or (2) the drainage control facility cannot be built and operated to discharge stormwater from the site under gravity flow conditions while meeting the applicable engineering standards. Compliance with subsections 22.805.060.B, 22.805.060.C and 22.805.060.D is required to the degree that the project can avoid the infeasibility described in this subsection 22.805.060.E. Standard drainage review and approval shall be required whenever this subsection is used, whether or not Section 22.800.070 applies.

1. The following are considered existing major infrastructure or utility elements:

- a. Gravity flow pipe greater than or equal to 24 inches in diameter or gravity flow pipe which cannot be relocated to discharge under gravity flow conditions;
- b. High-pressure gas pipe;
- c. Pressure gas pipe greater than 8 inches in diameter;

d. Any other pressure pipe greater than 12 inches in diameter (e.g., water or steam);

e. Duct banks, vaults, or handholes, for underground electrical, fiber optic, or telecommunication services;

f. Bridge, building, or tunnel structural foundations; and

g. Foundations for walls greater than 6 feet in height or 15 feet in length.

#### **22.805.070 Minimum requirements for on-site stormwater management**

A. Applicability. The requirements of this Section 22.805.070 apply as required in Section 22.805.030 to Section 22.805.060.

B. Requirements. On-site stormwater management shall be installed to the extent allowed by law and maintained in compliance with the rules promulgated by the Director to receive flows from that portion of the site being developed and shall:

1. Comply with either:

a. Subsection 22.805.070.C (On-site performance standard); or

b. Subsection 22.805.070.D (On-site lists).

C. On-site performance standard:

1. If the existing hard surface coverage is less than 35 percent and the project discharges to a listed creek, or to the drainage basin of such creek:

a. The post-development discharge durations shall match the discharge durations of a pre-developed forested condition for the range of pre-developed discharge rates from 8 percent of the 2-year peak flow to 50 percent of the 2-year peak flow.

2. For all other projects:

a. The post-development discharge durations shall match the discharge durations of a pre-developed pasture condition for the range of pre-developed discharge rates between the 1 percent and 10 percent exceedance values.

D. On-site lists

1. For each project surface, follow the appropriate project table in subsection 22.805.070.D.2 to subsection 22.805.070.D.~~((5))~~ 4 to evaluate on-site BMPs shown for that type of surface, by category. The project tables apply to roofs and other hard (non-roof) surfaces. All on-site BMPs used must comply with the rules promulgated by the Director. For each surface, consider all ~~((ef))~~ the applicable on-site BMPs in the first category. Use any that is considered feasible. If none is feasible for that surface, move on to each successive category and repeat the selection process as necessary. Once one on-site BMP is used for a surface, no other on-site BMP is necessary for that surface. If no BMP in the appropriate categories is feasible, then no further evaluation is required for that surface under this subsection 22.805.070.D.1. Feasibility shall be determined by evaluation against:

a. Design criteria, minimum size, limitations, and infeasibility criteria identified for each BMP in this subsection and the rules promulgated by the Director; and

b. Competing needs. Subsection 22.805.070.D (On-site lists) can be superseded or reduced by the Director if the installation of the BMPs is in conflict with:

1) Any of the following federal or state laws, rules, and standards, as may be amended or superseded: Historic Preservation and Archaeology Laws identified in subsection 22.805.070.E (Historic preservation and archaeology laws), Federal Superfund or Washington State Model Toxics Control Act, Federal Aviation Administration requirements for airports, the Americans with Disabilities Act, and related rules and standards; or

2) Special zoning district design criteria adopted and being implemented pursuant to a community planning process. Special zoning districts include, for example, historic and preservation districts, pedestrian zone overlays, station area overlays, special review districts, multifamily residential zones, urban centers and urban villages, and master planned communities. Specific criteria in these areas include, but are not limited to, minimum Floor Area Ratio standards; zero lot line development; usable open space requirements; minimum sidewalk width and required bicycle facilities; alley, loading, and access requirements; pitched roof standards; and street-level development standards for modulation and projections; or

3) Public health and safety standards; or

4) Transportation regulations to maintain the option for future expansion or multi-modal use of public rights-of-way; or

5) Chapter 15.43 (Tree and Vegetation Management in Public Places); Chapter 25.09 (Regulations for Environmentally Critical Areas); Chapter 25.11 (Tree Protection); and Chapter 23.60A (Standards for Vegetation in the Shoreline Master Plan).

~~((2. For single family residential projects, Table A for 22.805.070 applies.~~

~~Table A for 22.805.070 On-site List for Single-family Residential Projects~~

<p>Table A for 22.805.070 On-site List for Single-family Residential Projects</p>		
Category	BMPs	All-Discharge Locations
1	Full Dispersion	R, S
1	Infiltration Trenches	R, S <sup>d</sup>
1	Drywells	R, S <sup>d</sup>
2	Rain Gardens <sup>a</sup>	R, S
2	Infiltrating Bioretention	R, S
2	Rainwater Harvesting—Category 2 Sizing	X <sup>b</sup>
2	Permeable Pavement Facilities	R, S

2	Permeable Pavement Surfaces	S
2	Sidewalk/Trail Compost Amended Strip <sup>a</sup>	S
3	Sheet Flow Dispersion	R, S
3	Concentrated Flow Dispersion	S
3	Splashblock Downspout Dispersion	R
3	Trench Downspout Dispersion	R
4	Non-infiltrating Bioretention	R, S
4	Rainwater Harvesting—Category 4 Sizing	X <sup>e</sup>
4	Vegetated Roofs	X
5	Single-family Residential Cisterns	R
5	Perforated Stub-out Connections	R
5	Trees	S

Note that subsection 22.805.070.D.1 requires consideration of all on-site BMPs in a category for feasibility before moving on to each successive category as necessary. Within a category, BMPs may be considered in any order.

Key to Table A for 22.805.070

R = Evaluation is required for all roof runoff from Single-family residential projects.

S = Evaluation is required for all other hard (non-roof) surfaces of Single-family residential projects, unless otherwise noted below.

X = Evaluation is not required but is allowed.

<sup>a</sup>Installation is only allowed for projects with less than 5,000 square feet of hard surface infiltrating on the project site.

<sup>b</sup>Category 2 rainwater harvesting shall be sized to meet the on-site performance standard, subsection 22.805.070.C.

<sup>c</sup>Category 4 rainwater harvesting shall be sized to reduce the runoff volume by 25 percent or more on an annual average basis.

<sup>d</sup>Evaluation of other hard (non-roof) surfaces is not required but is allowed.))

3. For trail and sidewalk projects, Table B for 22.805.070 applies.

Table B for 22.805.070 On-site List for Trail and Sidewalk Projects

((Table B for 22.805.070  
On-site List for Trail and Sidewalk Projects))

Category	BMPs	Projects Discharging to a Receiving Water Not Designated by Section 22.801.050, or its Basin	Projects Discharging to a Public Combined Sewer or Capacity-constrained System, <sup>c</sup> or its Basin	Projects Discharging to a Designated Receiving Water, or its Basin
1	Full Dispersion	S	S	S
2	Rain Gardens <u>with or without tree</u>	S	S	X
<u>2</u>	<u>Infiltrating Soil Cell Bioretention with tree<sup>d</sup></u>	<u>X</u>	<u>X</u>	<u>X</u>
2	Permeable Pavement Facilities	X	X <sup>a</sup>	X <sup>a, b</sup>
2	Permeable Pavement Surfaces <sup>e</sup>	S	S <sup>a</sup>	X <sup>a, b</sup>
2	Sidewalk/Trail Compost-Amended Strip <sup>e</sup>	S	S	X
3	Sheet Flow Dispersion	S	S	S
3	Concentrated Flow Dispersion	S	S	S
4	Trees	S	S	S

Note that subsection 22.805.070.D.1 requires consideration of all on-site BMPs in a category for feasibility before moving on to each successive category as necessary. Within a category, BMPs may be considered in any order.

Key to Table B for 22.805.070

S = Evaluation is required for all surfaces of trail or sidewalk projects.

X = Evaluation is not required for trail or sidewalk projects.

<sup>a</sup> Minimum permeable pavement area allowed in right-of-way is 2,000 square feet of pavement within the project site.

<sup>b</sup> Installation is not allowed in the right-of-way if new plus replaced pollution-generating hard surface area is less than 2,000 square feet of pavement within the project site.

<sup>c</sup> Does not include any project discharging to a receiving water not designated by Section 22.801.050, or its basin, even if the project discharges to a capacity-constrained system or its basin.

<sup>d</sup> Criteria for when a tree is not required per rules promulgated by the Director.

<sup>e</sup> Infiltration testing is not required to use for the On-site List approach, it is only necessary to prove infeasibility.

((4:)) 2. For parcel-based projects, Table ((€)) A for 22.805.070 applies.

Table ((C)) A for 22.805.070 On-site List for Parcel-based Projects

((Table C for 22.805.070 On-site List for Parcel-based Projects))			
Category	BMPs	Projects Discharging to a Receiving Water Not Designated by Section 22.801.050, Public Combined Sewer, or Capacity-constrained System, or its Basin	Projects Discharging to a Designated Receiving Water or its Basin
1	Full Dispersion	R, S	R, S
1	Infiltration Trenches	R, S <sup>g</sup>	R, S <sup>g</sup>
1	Drywells	R, S <sup>g</sup>	R, S <sup>g</sup>
<u>1</u>	<u>Rainwater Harvesting—Category 1 Sizing</u>	<u>X<sup>e</sup></u>	<u>X<sup>e</sup></u>
2	Rain Gardens <u>with or without tree</u>	R <sup>a</sup> , S <sup>a</sup>	R <sup>a</sup> , S <sup>a</sup>
2	Infiltrating Bioretention <u>with or without tree</u>	R, S	R, S
<u>2</u>	<u>Infiltrating Soil Cell Bioretention with tree</u>	<u>X</u>	<u>X</u>
((2))	((Rainwater Harvesting—Category 2 Sizing))	((X <sup>e</sup> ))	((X <sup>e</sup> ))
2	Permeable Pavement Facilities <sup>h</sup>	R, S	R, S
2	Permeable Pavement Surfaces <sup>i,k</sup>	S	S
2	Sidewalk/Trail Compost-Amended Strip <sup>k</sup>	S	S
<u>3</u>	<u>Infiltrating Soil Cell Bioretention without tree</u>	<u>X</u>	<u>X</u>
3	Sheet Flow Dispersion	R, S	R, S
3	Concentrated Flow Dispersion	S	S
3	Splashblock Downspout Dispersion	R	R
3	Trench Downspout Dispersion	R	R
4	Non-infiltrating Bioretention	R <sup>d</sup> , S <sup>d</sup>	R <sup>d</sup> , S <sup>d</sup>
<u>4</u>	<u>Non-Infiltrating Soil Cell Bioretention with tree</u>	<u>X</u>	<u>X</u>
4	Rainwater Harvesting—Category 4 Sizing	R <sup>b, f</sup>	X <sup>f</sup>
4	Vegetated Roofs	R <sup>c</sup>	((X)) R <sup>c</sup>
<u>4</u>	<u>Residential Cistern</u>	<u>X</u>	<u>X</u>

5	Perforated Stub-out Connections	R	R
5	Trees <sup>i</sup>	S	S

Note that subsection 22.805.070.D.1 requires consideration of all on-site BMPs in a category for feasibility before moving on to each successive category as necessary. Within a category, BMPs may be considered in any order.

Key to Table ((C)) A for 22.805.070

R = Evaluation is required for all roof runoff from parcel-based projects.

S = Evaluation is required for all other hard (non-roof) surfaces of parcel-based projects, unless otherwise noted below.

X = Evaluation is not required but is allowed.

<sup>a</sup> Rain gardens cannot be used to meet Section 22.805.080 (Minimum Requirements for Flow Control) or Section 22.805.090 (Minimum Requirements for Treatment) or for projects with areas of 5,000 square feet or more hard surface infiltrating on the project site.

<sup>b</sup> Evaluation is not required for projects with less than 20,000 square feet of new plus replaced rooftop surface.

<sup>c</sup> Evaluation is not required for projects with less than 5,000 square feet of new plus replaced rooftop surface.

<sup>d</sup> Water quality treatment BMPs sized to meet Section 22.805.090 (Minimum Requirements for Treatment) may be installed in lieu of non-infiltrating bioretention unless the project discharges to a public combined sewer basin.

<sup>e</sup> Category 2 rainwater harvesting shall be sized to meet the on-site performance standard, subsection 22.805.070.C.

<sup>f</sup> Category 4 rainwater harvesting shall be sized to reduce the runoff volume by 25 percent or more on an annual average basis.

<sup>g</sup> Evaluation of other hard (non-roof) surfaces is not required but is allowed.

<sup>h</sup> Permeable Pavement Facilities or approved equivalent.

<sup>i</sup> Permeable Pavement Surfaces or approved equivalent.

<sup>j</sup> Retained or newly planted trees may also count toward Green Factor, landscaping, and/or tree protection requirements.

<sup>k</sup> Infiltration testing is not required to use for the On-site List approach, it is only necessary to prove infeasibility.

((5-)) 4. For roadway projects, Table ((D)) C for 22.805.070 applies.

Table ((D)) C for 22.805.070 On-site List for Roadway Projects

((Table D for 22.805.070  
 On-site List for Roadway Projects))

Category	BMPs	Projects Discharging to a Receiving Water Not Designated by	Projects Discharging to a Public Combined Sewer or	Projects Discharging to a Designated Receiving
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		Section 22.801.050, or its Basin	Capacity- constrained System, <sup>g</sup> or its Basin	Water or its Basin
1	Full Dispersion	S	S	S
2	Rain Gardens <u>with tree</u> <sup>h</sup>	S <sup>a</sup>	S <sup>a</sup>	S <sup>a</sup>
2	Infiltrating Bioretention <u>with tree</u> <sup>h</sup>	S	S <sup>b</sup>	S <sup>b, c</sup>
<u>2</u>	<u>Infiltrating Soil Cell Bioretention with tree</u> <sup>h</sup>	<u>X</u>	<u>X</u>	<u>X</u>
2	Permeable Pavement Facilities	X <sup>d</sup>	X <sup>e, f</sup>	X <sup>c, e, f</sup>
2	Permeable Pavement Surfaces <sup>i</sup>	S <sup>d</sup>	S <sup>e, f</sup>	X <sup>c, e, f</sup>
2	Sidewalk/Trail Compost- Amended Strip <sup>i</sup>	S <sup>e</sup>	S <sup>e</sup>	S <sup>e</sup>
3	Sheet Flow Dispersion	S	S	S
3	Concentrated Flow Dispersion	S	S	S
4	Trees	S	S	S
<u>4</u>	<u>Non-Infiltrating Soil Cell Bioretention with tree</u> <sup>h</sup>	<u>X</u>	<u>X</u>	<u>X</u>

Note that subsection 22.805.070.D.1 requires consideration of all on-site BMPs in a category for feasibility before moving on to each successive category as necessary. Within a category, BMPs may be considered in any order.

Key to Table ((Ⓢ)) C for 22.805.070

S = Evaluation is required for all surfaces of Roadway Projects.

X = Evaluation is not required for Roadway Projects, but is allowed.

<sup>a</sup> Rain gardens cannot be used to meet Section 22.805.080 (Minimum Requirements for Flow Control) or Section 22.805.090 (Minimum Requirements for Treatment) or for projects with areas of 5,000 square feet or more hard surface infiltrating on the project site.

<sup>b</sup> Minimum bioretention cell size top area in right-of-way is 500 square feet (including pre-settling area). Evaluation is only required and installation only allowed when contributing area is sufficient to warrant minimum bioretention cell size in right-of-way.

<sup>c</sup> Evaluation is not required, and installation is not allowed, if new plus replaced pollution-generating hard surface is less than 2,000 square feet.

<sup>d</sup> Evaluation of roadway surfaces is not required, and installation is not allowed, if roadway is an arterial street/collector.

<sup>e</sup> Evaluation of roadway surfaces, including alleys, is not required and installation is not allowed.

<sup>f</sup> Minimum permeable pavement area allowed in right-of-way is 2,000 square feet of pavement within the project site.

<sup>g</sup> Does not include any project discharging to a receiving water not designated by Section 22.801.050, or its basin, even if the project discharges to a capacity-constrained system or its basin.

- <sup>h</sup> Criteria for when a tree is not required per rules promulgated by the Director.  
<sup>i</sup> Infiltration testing is not required to use for the On-site List approach, it is only necessary to prove infeasibility.

E. Historic preservation and archaeology laws. For use with subsection

22.805.070.D.1.b.1:

1. Federal laws on historic preservation:

- a. 16 U.S.C. 470, et seq. (National Historic Preservation Act);
- b. 36 CFR Part 60 (National Register of Historic Places);
- c. 36 CFR Part 61 (Procedures for State, Tribal, and Local Government Historic Preservation Programs);
- d. 36 CFR Part 63 (Determinations of Eligibility for Inclusion in the National Register of Historic Places);
- e. 36 CFR Part 65 (National Historic Landmarks Program);
- f. 36 CFR Part 68 (The Secretary of the Interior's Standards for the Treatment of Historic Properties);
- g. Section 106 of National Historic Preservation Act;
- h. Secretary of the Interior's Standards and Guidelines for Professional Qualifications Standards;
- i. Executive Order 11593 (Protection and Enhancement of the Cultural Environment); and
- j. Executive Order 13006 (Locating Federal Facilities in Historic Properties).

2. Washington State laws on historic preservation:

- a. Archaeological and Cultural Resources (Executive Order 05-05);

- 1                               b. Advisory Council on Historic Preservation (chapter 25-12 WAC );
- 2                               c. Washington State Historic Building Code (RCW 19.27.120);
- 3                               d. Heritage Barn Program (RCW 27.34.400);
- 4                               e. State Historical Societies—Historic Preservation (chapter 27.34 RCW );
- 5 and
- 6                               f. Abandoned and Historic Cemeteries and Historic Graves (chapter 68.60
- 7 RCW ).
- 8                               3. Federal laws on archaeology:
- 9                                   a. 16 U.S.C. 470aa, et seq. (Archaeological Resources Protection Act of
- 10 1979);
- 11                                   b. 16 U.S.C. 469 (Archaeological and Historic Preservation Act of 1974);
- 12                                   c. 25 U.S.C. 3001, et seq. (Native American Graves Protection and
- 13 Repatriation Act); and
- 14                                   d. 16 U.S.C. 470, et seq. (National Historic Preservation Act).
- 15                               4. Washington State laws on archaeology:
- 16                                   a. Archaeological and Cultural Resources (Executive Order 05-05);
- 17                                   b. Registration of Historic Archaeological Resources on State-Owned
- 18 Aquatic Lands (chapter 25-46 WAC );
- 19                                   c. Archaeological Excavation and Removal Permit (chapter 25-48 WAC );
- 20                                   d. Indian Graves and Records (chapter 27.44 RCW );
- 21                                   e. Archaeological Sites and Resources (chapter 27.53 RCW );
- 22                                   f. Archaeological Site Public Disclosure Exemption (RCW 42.56.300);

g. Abandoned and Historic Cemeteries and Historic Graves (chapter 68.60 RCW ); and

h. Archaeological Activities on State-owned Aquatic Lands—Agreements, Leases, or Other Conveyances (RCW 79.105.600).

5. City of Seattle Laws on Historic Preservation as listed below and historic districts that have been or may be designated by ordinance:

a. Chapter 23.66 (Pioneer Square and International Special Review Districts);

b. Chapter 25.12 (Landmarks Preservation);

c. Chapter 25.16 (Ballard Avenue Landmark District);

d. Chapter 25.20 (Columbia City Landmark District);

e. Chapter 25.21 (Fort Lawton Landmark District);

f. Chapter 25.22 (Harvard-Belmont Landmark District);

g. Chapter 25.24 (Pike Place Market Historical District); and

h. Chapter 25.32 (Table of Historical Landmarks).

#### **22.805.080 Minimum requirements for flow control**

A. Applicability. The requirements of this Section 22.805.080 apply to the extent required in Section 22.805.050 to Section 22.805.060.

B. Requirements. Flow control facilities shall be installed to the extent allowed by law and maintained pursuant to rules promulgated by the Director to receive flows from that portion of the site being developed. Post-development discharge determination must include flows from dewatering activities. All projects shall use on-site BMPs identified in subsection 22.805.070.D or other infiltration BMPs authorized by rule to the maximum extent feasible to meet the

1 minimum requirements. Flow control facilities that receive flows from less than that portion of  
2 the site being developed may be installed if the total new plus replaced impervious surface is less  
3 than 10,000 square feet, the project site uses only on-site BMPs to meet the requirement, and the  
4 on-site BMPs provide substantially equivalent environmental protection as facilities not using  
5 on-site BMPs that receive flows from all of the portion of the site being developed.

6 1. Wetland protection standards. Protect the functions and values of wetlands and  
7 their buffers from all projects discharging stormwater directly or indirectly to them. The  
8 hydrologic conditions, vegetative community, and substrate characteristics of the wetlands shall  
9 be protected, and impacts caused by changes in water flows and pollutants shall be prevented.  
10 The introduction of sediment, heat and other pollutants and contaminants into wetlands shall be  
11 minimized through the selection, design, installation, and maintenance of temporary and  
12 permanent controls.

13 Before authorizing new discharges to a wetland, alternative discharge locations  
14 shall be evaluated and infiltration options outside the wetland shall be maximized unless doing  
15 so will adversely impact the functions and values of the affected wetlands.

16 If the wetland protection standard cannot be met due to subsections 22.805.070  
17 on-site stormwater management or 22.805.090 water quality treatment, the wetland protection  
18 standard shall be met to the maximum extent feasible while fully meeting the on-site stormwater  
19 management and water quality treatment requirements unless an analysis by a wetland  
20 professional per rules promulgated under subsection 25.09.330.C (Technical Reports) is  
21 conducted that demonstrates that the functions and values of the affected wetland are not  
22 protected.

If one or more of the flow control requirements contained in subsections 22.805.080.B.2 through 22.805.080.B.~~((4))~~ 5 also applies to the project, the wetland standard must be met (~~((an analysis shall be conducted))~~) to ensure that the functions and values of the affected wetland are protected before implementing these flow control requirements to the full extent.

Notwithstanding any provision in this subtitle, no net loss of wetland functions or values shall result from actions regulated by this subtitle.

Refer to the Washington State Wetland Rating System for Western Washington: 2014 Update (Version 2) (Hruby, ~~((2014))~~ 2023) to determine the category, characteristics, and habitat score of the wetland. Wetland classification shall be determined by a wetland professional per rules promulgated under subsection 25.09.330.C (Technical reports).

Projects triggering Method 1 or Method 2 in this subsection shall refer to I-C.4, Wetland Hydroperiod Protection and I-C-5, Wetland Hydroperiod Data Collection ((and)), Evaluation Procedures, and Strategies presented in Appendix I-C of Ecology's Stormwater Management Manual for Western Washington (Ecology ((2019)) 2024) for additional guidance.

a. Comply with subsection 22.805.080.B.1.c (Wetland Protection Standard—Method 1: Monitoring and Wetland Stage Modeling) if the following applies:

1) The project discharges to a Category I or II depressional or riverine impounding wetland; and

2) The project owner has legal access to the entire wetland for purposes of conducting monitoring in the wetland.

b. Comply with subsection 22.805.080.B.1.d (Wetland Protection Standard—Method 2: Site Discharge Modeling) if the criteria in subsection 22.805.080.B.1.a do not apply and one or more of the following applies (or applicability is unknown):

1) The wetland is Class I or II and does not meet the requirements of subsection 22.805.080.B.1.a.

2) The wetland is Class III or IV and:

a) Has a habitat score greater than 5;

b) Is interdunal and has special characteristics;

c) Provides habitat for rare, threatened, endangered, or sensitive species; or

d) Contains breeding population of any native amphibian.

Per Ecology's guidance, wetlands with permanent or seasonal ponding or inundation are assumed to have breeding population of native amphibian.

c. Wetland Protection Standard—Method 1: Monitoring and Wetland Stage Modeling. Comply with I-C.4, Wetland Hydroperiod Protection, presented in Appendix I-C of Ecology's Stormwater Management Manual for Western Washington (Ecology ~~((2019))~~ 2024).

~~((Projects triggering Method 1 shall refer to I-C-5, Wetland Hydroperiod Data Collection and Evaluation Procedures, presented in Appendix I-C of Ecology's Stormwater Management Manual for Western Washington (Ecology 2019) for additional guidance.))~~

d. Wetland Protection Standard—Method 2: Site Discharge Modeling. The total volume of stormwater discharging from the project site into a wetland shall not be more than:

1) On a daily basis, 20 percent higher or lower than the pre-project volume, and

2) On a monthly basis,  
a) 20 percent higher or lower than the pre-project volumes for the months of October, November, and December, and

b) 15 percent higher or lower than the pre-project ((volume)) volumes for all remaining months (January through September).

~~((Projects triggering Method 1 or Method 2 shall refer to I-C.4, Wetland Hydroperiod Protection and I-C 5, Wetland Hydroperiod Data Collection ((and)) , Evaluation Procedures, and Strategies presented in Appendix I-C of Ecology's Stormwater Management Manual for Western Washington (Ecology ((2019)) 2024) for additional guidance.))~~

2. Pre-developed forested standard. The post-development discharge durations from the project site shall match the discharge durations of a pre-developed forested condition for the range of pre-developed discharge rates from 50 percent of the 2-year peak flow to the 50-year peak flow.

3. Pre-developed pasture standard. The post-development discharge durations from the project site shall match the discharge durations of a pre-developed pasture condition for the range of pre-developed discharge rates from 50 percent of the 2-year peak flow to the 2-year peak flow.

4. Existing condition standard

a. The post-development discharge durations from the project site shall be limited as follows:



1) Match the discharge durations of the existing land cover condition for the range of discharge rates from 50 percent of the 2-year peak flow to the 25-year peak flow; and

2) For discharges to a creek or a creek drainage basin or to a small lake or a small lake basin, also match the discharge durations of the existing land cover condition for the range of discharge rates from 50 percent of the 2-year peak flow to the 50-year peak flow.

5. Peak control standard.

a. The post-development release rates from the project site shall be limited as follows:

1) The peak flow with a 50 percent annual probability (2-year recurrence flow) shall not exceed 0.07 cubic feet per second per acre;

2) The peak flow with a 20 percent annual probability (5-year recurrence flow) shall not exceed 0.10 cubic feet per second per acre; and

3) The peak flow with a 4 percent annual probability (25-year recurrence flow) shall not exceed 0.40 cubic feet per second per acre.

C. Inspection and maintenance schedule. Temporary and permanent flow control facilities shall be inspected and maintained according to rules promulgated by the Director to keep these facilities in continuous working order.

**22.805.090 Minimum requirements for treatment**

A. Applicability. The requirements of this Section 22.805.090 apply to the extent required in Section 22.805.050 to Section 22.805.060.

B. Requirements. Water quality treatment facilities shall be installed to the extent allowed by law and maintained pursuant to rules promulgated by the Director to treat flows from the

pollution-generating pervious and hard surfaces on the site being developed. When stormwater flows from other areas, including non-pollution generating surfaces (e.g., roofs), dewatering activities, and off-site areas, cannot be separated or bypassed, treatment BMPs shall be designed for the entire area draining to the treatment facility. All projects shall use on-site BMPs identified in subsection 22.805.070.D or other infiltration BMPs authorized by rule to the maximum extent feasible to meet the minimum requirements. For pollution-generating pervious surfaces other than artificial turf, a landscape management plan developed according to rules promulgated by the Director may be utilized in lieu of installing water quality treatment facilities.

1. Runoff volume. Stormwater treatment facilities shall be designed based on the stormwater runoff volume from the contributing area or a peak flow rate as follows:

a. The daily runoff volume at or below which 91 percent of the total runoff volume for the simulation period occurs, as determined using an approved continuous model. It is calculated as follows:

- 1) Rank the daily runoff volumes from highest to lowest.
- 2) Sum all the daily volumes and multiply by 0.09.
- 3) Sequentially sum daily runoff volumes, starting with the highest value, until the total equals 9 percent of the total runoff volume. The last daily value added to the sum is defined as the water quality design volume.

b. Different design flow rates are required depending on whether a treatment facility will be located upstream or downstream of a detention facility:

- 1) For facilities located upstream of detention or when detention is not required, the design flow rate is the flow rate at or below which 91 percent of the total runoff

volume for the simulation period is treated, as determined using an approved continuous runoff model.

2) For facilities located downstream of detention, the design flow rate shall be the full 2-year release rate, as determined using an approved continuous runoff model.

c. Infiltration facilities designed for water quality treatment must infiltrate 91 percent of the total runoff volume as determined using an approved continuous runoff model. To prevent the onset of anaerobic conditions, an infiltration facility designed for water quality treatment purposes must be designed to drain the water quality design treatment volume (the 91st percentile, 24-hour volume) within 48 hours.

2. Basic treatment. A basic treatment facility ~~((shall be))~~ is required for all projects. The requirements of subsection 22.805.090.B.3 (Oil control treatment), subsection 22.805.090.B.4 (Phosphorus treatment), and subsection 22.805.090.B.5 ~~((Enhanced))~~ Metals treatment) are in addition to this basic treatment requirement.

3. Oil control treatment. An oil control treatment facility ~~((shall be))~~ is required for high-use sites, as defined in this subtitle.

4. Phosphorus treatment. A phosphorus treatment facility ~~((shall be))~~ is required for projects discharging into nutrient-critical receiving waters.

5. ~~((Enhanced))~~ Metals treatment. Except for landscaped areas and ((Unless a project discharges)) projects that discharge to a basic treatment receiving water (Section 22.801.030 "B"), ~~((an-enhanced))~~ a metals treatment facility for reducing concentrations of dissolved metals ~~((shall be))~~ is required for projects that discharge, directly or through conveyance systems, to fresh waters designated for aquatic life use or having an existing aquatic

life use, or that use infiltration strictly for flow control (not treatment) and discharge within one-quarter mile of fresh waters designated for aquatic life use or having an existing aquatic life use, if the project meets one of the following criteria:

a. For a parcel-based project, the project is industrial, is commercial, or proposes four or more dwelling units or the site is subject to industrial activities.

b. For a roadway project, the site ~~((is either))~~ includes a road:

1) ~~((A fully controlled or a partially controlled limited access highway with Annual Average Daily Traffic counts of 15,000 or more; or~~  
~~2) Any other road with))~~ With an expected Annual Average Daily Traffic count of 7,500 or greater; or

2. That provides on-street parking for commercial or industrial areas.

6. Discharges to groundwater. Direct discharge of untreated drainage water from pollution-generating hard surfaces to groundwater is prohibited.

C. Inspection and maintenance schedule. Temporary and permanent treatment facilities shall be inspected and maintained according to rules promulgated by the Director to keep these facilities in continuous working order.

Section 6. Chapter 22.807 of the Seattle Municipal Code, last amended by Ordinance 126336, is amended as follows:

**Chapter 22.807 DRAINAGE CONTROL REVIEW AND APPLICATION  
REQUIREMENTS**

\* \* \*

**22.807.020 Drainage control review and application requirements**

A. Thresholds for drainage control review. Drainage control review and approval as described in subsection 22.807.020.B is required for any of the following:

1. Preliminary drainage review and approval is required for applications for the following approvals:

- a. Subdivisions (Chapter 23.22);
- b. Short plats (Chapter 23.24);
- c. Unit lot subdivisions (Sections 23.22.062 and 23.24.045);
- d. Lot boundary adjustments (Chapter 23.28); or
- e. Master use permits that would allow development that includes 750 square feet or more of new plus replaced hard surface or 5,000 square feet of land disturbing activity where the Director has determined that a preliminary drainage review is required considering, but not limited, to the following attributes of the site:

- 1) Location within an environmentally critical area or buffer;
- 2) Proximity and tributary to an environmentally critical area or buffer; and
- 3) Proximity and tributary to an area with adequacy, erosion, water quality, or flooding problems.

2. Standard drainage review and approval is required for the following:

a. Applications other than those listed in subsection 22.807.020.A.1 that include any land disturbing activity encompassing an area of 5,000 square feet or more, including demolition permits;

b. Applications for a building permit or other construction permit that authorizes the construction or installation of 750 square feet or more of new plus replaced hard surface;

c. Applications for which a grading permit or approval is required pursuant to Chapter 22.170;

d. Applications for street use permits for the cumulative addition of 750 square feet or more of new plus replaced hard surface and land disturbing activity;

e. City public works projects or construction contracts, including contracts for day labor and other public works purchasing agreements, for the cumulative addition of 750 square feet or more of new plus replaced hard surface and/or land disturbing activity to the site, ~~((except for projects in a City-owned right-of-way and))~~ except for work performed for the operation and maintenance of park lands under the control or jurisdiction of the Department of Parks and Recreation;

f. Applications for approvals and contracts that include any new or replaced hard surface or any land disturbing activity on a site deemed a potentially hazardous location, as specified in Section 22.800.050 (Potentially Hazardous Locations);

g. Applications for approvals that include any new hard surface in a Category I peat settlement-prone area delineated pursuant to Section 25.09.012;

h. Whenever an exception to a requirement set forth in this Subtitle VIII or in a rule promulgated under this Subtitle VIII is desired, whether or not review and approval would otherwise be required, including, but not limited to, alteration of natural drainage patterns or the obstruction of watercourses;

i. Whenever roadway project infeasibility pursuant to subsection 22.805.060.E is applied, whether or not review and approval would otherwise be required; or

j. Applications for approvals for activities or projects for:

1((:)) ~~1~~ Fueling at dedicated stations, for new or substantially altered fueling stations.

2((:)) ~~2~~ In-water and over-water fueling.

3((:)) ~~3~~ Maintenance and repair of vehicles and equipment.

4((:)) ~~4~~ Concrete and asphalt mixing and production.

5((:)) ~~5~~ Recycling, wrecking yard, and scrap yard operations.

6((:)) ~~6~~ Storage of liquids in aboveground tanks.

7((:)) ~~7~~ Other projects that the Director determines pose a hazard to public health, safety, or welfare; endanger any property; adversely affect the safety and operation of City right-of-way, utilities, or other property owned or maintained by the City; or adversely affect the functions and values of an environmentally critical area or buffer.

3. Comprehensive drainage review and approval is required for applications other than those listed in subsection 22.807.020.A.1 that include:

a. Five thousand square feet or more of new plus replaced hard surface;

b. ~~((One-acre))~~ Ten thousand square feet or more of land disturbing activity;

c. ~~((Conversion of 3/4 acres or more of vegetation to lawn or landscaped area))~~ A project that has no available off-site point of discharge for stormwater as determined by the Director; ((or))

d. ~~((Conversion of 2.5 acres or more of native vegetation to pasture))~~ An infiltration facility that is designed to fully infiltrate all stormwater runoff directed to it, ((or))

e. An installation of a new outfall to a receiving water; or.

f. Demolition of a building with a roof area of 5,000 square feet or greater, even if the existing building slab remains.

B. For purposes of applying the thresholds in subsection 22.807.020.A, all subdivisions, short plats, and closely related projects, including common plans of development or sale as determined according to subsection 22.805.010.B ~~((; all projects that are part of a common plan of development, and all projects in a short plat or subdivision.))~~ shall be counted towards the threshold.

C. The City may, by interagency agreement signed by the Directors of SPU and SDCI, waive the drainage and erosion control permit and document requirements for property owned by public entities, when discharges for the property do not enter the public drainage system or the public combined sewer system. Whether or not the public entities are required to obtain permits or submit documents, such entities are subject to the substantive requirements of this subtitle.

D. Submittal requirements for drainage control review and approval

1. Information required for preliminary drainage review. The following information shall be submitted to the Director for all projects for which preliminary drainage review is required:



a. Preliminary site plan. A site plan as set forth in rules promulgated by the Director.

b. Preliminary drainage control plan. A drainage control plan that identifies all new and replaced hard surfaces, new and replaced pollution-generating hard surfaces, drainage control facilities, and best management practices for each lot, parcel, and tract of land within the project.

1) The preliminary drainage control plan shall include all drainage control facilities required to meet the minimum requirements for flow control (Section 22.805.080), water quality treatment (Section 22.805.090), and on-site stormwater management (Section 22.805.070), as well as all other best management practices to ensure drainage adequacy.

2) The preliminary drainage control plan shall be prepared by a licensed civil engineer in accordance with standards adopted by the Director, for projects that ~~((include any one or more of the following:~~

~~a. Five thousand square feet or more of new plus replaced hard surface;~~

~~b. One acre or more of land disturbing activity;~~

~~c. Conversion of 3/4 acres or more of vegetation to lawn or landscaped area;~~

~~d. Conversion of 2.5 acres or more of native vegetation to pasture; or~~

~~e. No accessible off-site discharge point.~~

~~c. Submittals identified by rule. Additional information shall be submitted to the Director to comply with the requirements of this subtitle and rules promulgated hereunder and to accomplish the purposes of this subtitle))~~ meet the thresholds for comprehensive drainage control review per subsection 22.807.020.A.3.

2. Information required for standard drainage review. The following information shall be submitted to the Director for all projects for which standard drainage review is required.

a. Site plan. A site plan shall be submitted to the Director.

b. Standard drainage control plan. A drainage control plan shall be submitted to the Director. Standard designs for drainage control facilities as set forth in rules promulgated by the Director may be used. ~~((For a project with no accessible off-site discharge point or that includes development conducted in or near a receiving water requiring a Hydraulic Project Approval (chapter 220-660 WAC), the drainage control plan shall be prepared by a licensed civil engineer in accordance with standards adopted by the Director.))~~

c. Construction stormwater control plan. A construction stormwater control plan demonstrating controls sufficient to determine compliance with subsection 22.805.020.D shall be submitted. The Director may approve a checklist in place of a plan, pursuant to rules promulgated by the Director.

d. Memorandum of drainage control. The owner(s) of the site shall sign a "memorandum of drainage control" that has been prepared by the Director of SPU. Completion of the memorandum shall be a condition precedent to issuance of any permit or approval for which a drainage control plan is required. The applicant shall file the memorandum of drainage control with the King County Recorder's Office so as to become part of the King County real property records. The applicant shall give the Director of SPU proof of filing of the

memorandum. The memorandum shall not be required when the drainage control facility will be owned and operated by the City. A memorandum of drainage control shall include:

- 1) The legal description of the site;
- 2) A summary of the terms of the drainage control plan, including any known limitations of the drainage control facilities, and an agreement by the owners to implement those terms;
- 3) An agreement that the owner(s) shall inform future purchasers and other successors and assignees of the existence of the drainage control facilities and other elements of the drainage control plan, the limitations of the drainage control facilities, and of the requirements for continued inspection and maintenance of the drainage control facilities;
- 4) The side sewer permit number and the date and name of the permit or approval for which the drainage control plan is required;
- 5) Permission for the City to enter the property for inspection, monitoring, correction, and abatement purposes;
- 6) An acknowledgment by the owner(s) that the City is not responsible for the adequacy or performance of the drainage control plan, and a waiver of any and all claims against the City for any harm, loss, or damage related to the plan, or to drainage or erosion on the property, except for claims arising from the City's sole negligence; and
- 7) The owner(s)' signatures acknowledged by a notary public.

e. Submittals identified by rule. Additional information shall be submitted to the Director to comply with the requirements of this subtitle and rules promulgated hereunder and to accomplish the purposes of this subtitle.

3. Information required for comprehensive drainage review. In addition to the submittal requirements for standard drainage review, the following information is required to be submitted to the Director for projects for which comprehensive drainage review is required:

a. Comprehensive drainage control plan. A comprehensive drainage control plan, in lieu of a standard drainage control plan, to comply with the requirements of this subtitle and rules promulgated hereunder and to accomplish the purposes of this subtitle shall be submitted with the permit application. It shall be prepared by a licensed civil engineer in accordance with standards adopted by the Director unless otherwise not required per rules promulgated by the Director.

b. Inspection and Maintenance schedule. A schedule shall be submitted that provides for inspection of temporary and permanent flow control facilities, treatment facilities, and source ~~((controls))~~ control facilities to comply with Section 22.805.070 (Minimum requirements for on-site stormwater management), Section 22.805.080 (Minimum requirements for flow control), ~~((and))~~ Section 22.805.090 (Minimum requirements for treatment), and Section 22.803.040 (Minimum Requirements for Source Controls For Businesses and Public Entities for Specific Activities).

c. Construction stormwater control plan. A construction stormwater control plan prepared in accordance with subsection 22.805.020.D shall be submitted.

4. Applications for drainage control review and approval shall be prepared and submitted in accordance with provisions of this subsection, with Chapter 21.16 (Side Sewer Code), and with associated rules and regulations adopted ~~((jointly))~~ by the Directors of SDCI and SPU.

1                   5. The Director may require additional information necessary to adequately  
2 evaluate applications for compliance with the requirements and purposes of this subtitle and  
3 other laws and regulations, including, but not limited to, Chapter 25.09 (Regulations for  
4 Environmentally Critical Areas) and Chapter 23.60A ([Seattle Shoreline Master Program](#)). The  
5 Director may also require appropriate information about adjoining properties that may be related  
6 to, or affected by, the drainage control proposal in order to evaluate effects on the adjacent  
7 property. This additional information may be required as a precondition for permit application  
8 review and approval.

9                   E. Authority to review. The Director may approve those plans that comply with the  
10 provisions of this Subtitle VIII and rules promulgated hereunder, and may place conditions upon  
11 the approval in order to assure compliance with the provisions of this subtitle. Submission of the  
12 required drainage control application information shall be a condition precedent to the processing  
13 of any of the above-listed permits. Approval of drainage control shall be a condition precedent to  
14 issuance of any of the above-listed permits. The Director may review and inspect activities  
15 subject to this Subtitle VIII and may require compliance regardless of whether review or  
16 approval is specifically required by this subsection 22.807.020.C. The Director may disapprove  
17 plans that do not comply with the provisions of this Subtitle VIII and rules promulgated  
18 hereunder. Disapproved plans shall be returned to the applicant, who may correct and resubmit  
19 the plans.

\* \* \*

Section 7. This ordinance shall **take effect on July 1, 2026.**

Passed by the City Council the \_\_\_\_\_ day of \_\_\_\_\_, 2026,  
and signed by me in open session in authentication of its passage this \_\_\_\_\_ day of  
\_\_\_\_\_, 2026.

\_\_\_\_\_  
President \_\_\_\_\_ of the City Council

Approved /      returned unsigned /      vetoed this \_\_\_\_ day of \_\_\_\_\_, 2026.

\_\_\_\_\_  
Katie Wilson, Mayor

Filed by me this \_\_\_\_\_ day of \_\_\_\_\_, 2026.

\_\_\_\_\_  
Scheereen Dedman, City Clerk

(Seal)

Attachments: