

Summary of Key Changes to Seattle’s Stormwater Manual

Volume	2021 Stormwater Manual
<p>Volume 1 – Project Minimum Requirements</p>	<p>Spring 2020 Public Review Draft Stormwater Manual</p> <ul style="list-style-type: none"> • Placeholder watermarks added to code language (final code language will be added to the final manual) • Clarified definitions and provided examples for single-family residential, parcel-based projects, and special circumstances projects • Added approved landscape management plan as an alternative to treating runoff from pollution generating pervious surfaces • Added new section with submittal requirements for Preliminary Drainage Review • Updated and clarified submittal requirements for Standard Drainage Review and Comprehensive Drainage Review • Updated internal and external references and weblinks <p>Fall 2020 Public Review Draft Stormwater Manual</p> <ul style="list-style-type: none"> • Added Acknowledgements section (prior to Chapter 1) • Shifted code language from body text into code language callout boxes • Added text from 2016 Manual back in regarding Basic Treatment Receiving Waters • Added guidance related to Environmentally Critical Areas (Section 7.4) and Landscaping Principles (Section 7.8) • Clarified submittal requirements for Comprehensive Drainage Review for Large Projects (Section 8.3) and Additional Documentation (Section 8.4)
<p>Appendices</p>	<p>Spring 2020 Public Review Draft Stormwater Manual</p> <ul style="list-style-type: none"> • Appendix B <ul style="list-style-type: none"> ○ Content deleted (included with reference to BMP C250 in the 2019 SWMMWW) ○ Will be updated to include Submittal Requirements in a future draft of the Manual • Appendix I <ul style="list-style-type: none"> ○ No edits from 2016 Manual <p>Fall 2020 Public Review Draft Stormwater Manual</p> <ul style="list-style-type: none"> • Appendix B <ul style="list-style-type: none"> ○ Added submittal requirements for Preliminary Drainage Control Review (Section B-1) ○ Added Drainage Report Format/Content requirements (Section B-2) • Appendix I <ul style="list-style-type: none"> ○ Added Landscape Management Plan requirements (Section I-1) ○ Minor revisions to Integrated Pest Management Plans (Section I-2) ○ Added references (Section I-3)

Summary of Changes to Volume 1 (Project Minimum Requirements) of the Seattle Stormwater Manual

Spring 2020 Public Review Draft Stormwater Manual

- Placeholder watermarks added to code language (final code language will be added to the final manual)
- Clarified definitions and provided examples for single-family residential, parcel-based projects, and special circumstances projects
- Added approved landscape management plan as an alternative to treating runoff from pollution generating pervious surfaces
- Added new section with submittal requirements for Preliminary Drainage Review
- Updated and clarified submittal requirements for Standard Drainage Review and Comprehensive Drainage Review
- Updated internal and external references and weblinks

Fall 2020 Public Review Draft Stormwater Manual

- Added Acknowledgements section (prior to Chapter 1)
- Shifted language and definitions from the Stormwater Code from body text into Stormwater Code Language callout boxes
- Added text from 2016 Manual back in regarding Basic Treatment Receiving Waters
- Added guidance related to Environmentally Critical Areas (Section 7.4) and Landscaping Principles (Section 7.8)
- Clarified submittal requirements for Comprehensive Drainage Review for Large Projects (Section 8.3) and Additional Documentation (Section 8.4)

Section Number and Name	Spring 2020 Public Review Draft	Fall 2020 Public Review Draft	Final 2021 Stormwater Manual
Chapter 1 – Introduction			
Section 1.2 – How to Use this Manual (Volumes 1 through 5 and Appendices)	Updated Appendix B reference. Appendix B content will be updated in a future draft to include additional detail on submittal requirements.	No new edits	
Section 1.4 – How to Use this Volume	No edits	Added preliminary drainage review to the list of topics for Chapter 8	
Chapter 2 – Determining Minimum Requirements			
Chapter 2 overview	Minor revisions for clarification	<ul style="list-style-type: none"> • Shifted hard surface and project definitions into a Stormwater Code Language callout box. • Added project site definition in the callout box. 	

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Step 1 – Define the Boundaries of the Project Site	Added new requirements for defining project site boundaries and closely related projects.	<ul style="list-style-type: none"> • Shifted closely related projects description into Stormwater Code Language callout box. • Clarified requirements for closely related projects based on feedback from Ecology. 	
Step 2 – Identify the Type of Project	<ul style="list-style-type: none"> • Clarified definitions and provided examples for single-family residential and parcel-based projects • Added a new project type for certain land-disturbing activities. Shifted details on utility projects and pavement maintenance projects to Section 4.5 • Added clarification regarding special circumstances projects 	<ul style="list-style-type: none"> • Shifted project type definitions into Stormwater Code Language callout boxes. • Added examples of parcel-based projects and activities that need drainage review and source control BMPs. 	
Step 3 – Identify the Receiving Water and Downstream Conveyance	Added clarification regarding how to determine the receiving water and downstream conveyance	<ul style="list-style-type: none"> • Shifted definitions for receiving waters and systems into Stormwater Code Language callout boxes. • Added option to contact SDCI or SPU via e-mail for projects that do not require Preliminary Application Reports (PARs) 	
Step 4 – Perform Site Assessment and Planning	No edits	Added references to infiltration and dispersion feasibility analysis requirements in Volume 3	
Step 5 – Calculate Land-Disturbing Activity and New Plus Replaced Hard Surface	<ul style="list-style-type: none"> • Renamed this step to add “and New Plus Replaced Hard Surface” • Updated impervious surface terminology to hard surfaces • Added guidance for existing hard surfaces that will be re-routed to another basin (considered replaced hard surfaces) 	No new edits	

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Step 6 – Calculate New Plus Replaced Pollution Generating Surface	<ul style="list-style-type: none"> Added guidance for existing pollution generating surfaces that will be re-routed to another basin or converted from non-pollution-generating surface to a pollution generating surface (considered replaced pollution generating surfaces) 	No new edits	
Step 7 – Determine Which Minimum Requirements Apply	<ul style="list-style-type: none"> Clarified requirements for watersheds near the City limits discharging to adjacent jurisdictions (more stringent requirements apply) Added references to other internal documentation that may apply when determining the minimum requirements for a project 	Clarified reference to additional Director’s Rules, Policies, and Tips.	
Chapter 3 – Minimum Requirements for All Projects			
Various	Minor terminology revisions and external reference updates	No new edits	
Chapter 4 – Minimum Requirements Based on Project Type			
Chapter 4 overview	<ul style="list-style-type: none"> Added mainline extensions to the list of key minimum requirements Added areas subject to additional/modified requirements 	No new edits	
Section 4.4 – Parcel-Based Projects	Clarified threshold for parcel-based projects discharging groundwater	No new edits	
Section 4.5 – Reduced Requirements for Certain Land-disturbing Activities	Consolidated requirements for utility projects, pavement maintenance projects, remediation projects (placeholder), and structural stormwater control projects (placeholder) in this section. Refer to draft Stormwater Code for specific language.	Added examples of projects that meet the requirements for structural stormwater control projects.	
Section 4.7 – Special Circumstances	Expanded section on special circumstances projects to include clarification for projects that propose to develop multiple blocks, projects that discharge to closed-contour basins, projects that discharge to multiple drainage basins, and projects that discharge to subbasins within the public combined sewer system.	Added rail stations in public right-of-way to the list of examples of special circumstances projects.	

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Chapter 5 – Minimum Requirement Standards			
Section 5.3 – Flow Control	Clarified requirements for projects with 35% or greater existing hard surface	No new edits	
Section 5.4 – Water Quality Treatment	<ul style="list-style-type: none"> • Added approved landscape management plan as an alternative to treating runoff from pollution generating pervious surfaces • Clarified that if the soil suitability criteria for infiltration treatment are met and presettling is provided, then the enhanced treatment performance goal is met • Removed the concept of Basic Treatment Receiving Waters • Removed employee parking lots for industrial and commercial project sites from the list of basic treatment requirements 	Added the concept of Basic Treatment Receiving Waters back in (2016 Manual language) and clarified that “all marine waters” includes Puget Sound.	
Chapter 6 – Alternative Compliance			
NA	<ul style="list-style-type: none"> • Clarified impervious vs. hard surface 	No new edits	
Chapter 7 – Site Assessment and Planning			
Section 7.2 – Project Boundaries and Structures	<ul style="list-style-type: none"> • Clarified that project boundaries may include multiple properties • Updated impervious surface terminology to hard surfaces 	No new edits	
Section 7.4 – Environmentally Critical Areas (ECAs)	No edits	Added proposed text from the 2019 SWMMWW regarding information needed to assess impacts and risks to wetlands.	
Section 7.8 – Landscaping Principles	[new section not included in Spring 2020 draft]	Added Landscaping Principles as new Section 7.8	
Section 7.9 – Site Design Considerations	Added a reference to BMP T5.40: Preserving Native Vegetation (Volume V of the SWMMWW)	Shifted reference to BMP T5.40 and other landscaping considerations to new Section 7.8. Remaining non-landscaping Site Design Considerations are now in Section 7.9.	

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Chapter 8 – Drainage Control Review and Application Requirements			
Section 8.1 – Preliminary Drainage Review	Added a new Section with Preliminary Drainage Review submittal requirements	Added a Stormwater Code Language callout box	
Section 8.2 – Standard Drainage Review	Updated and clarified submittal requirements for Standard Drainage Review	<ul style="list-style-type: none"> • Added a Stormwater Code Language callout box • Renamed “Drainage Control Plan” to “Standard Drainage Control Plan” to match the Stormwater Code. 	
Section 8.3 – Comprehensive Drainage Review for Large Projects	Updated and clarified submittal requirements for Comprehensive Drainage Review	<ul style="list-style-type: none"> • Added a Stormwater Code Language callout box • Updated and clarified submittal requirements 	
Section 8.4 – Additional Documentation	Added upstream analysis to additional documentation requirements	Added Landscape Management Plan (refers to Appendix I for submittal requirements) and closed contour analysis as additional documentation that may be required based on project specifics.	

Summary of Changes to the Appendices in the Seattle Stormwater Manual

Appendix Name	Spring 2020 Public Review Draft	Fall 2020 Public Review Draft	Final 2021 Stormwater Manual
Appendix B – Additional Submittal Requirements	<ul style="list-style-type: none"> • Previously included Background Information on Chemical Treatment • Content deleted (included with reference to BMP C250 in the 2019 SWMMWW) • Appendix B will be updated to include Submittal Requirements in a future draft of the Manual 	<ul style="list-style-type: none"> • Added submittal requirements for Preliminary Drainage Control Review (Section B-1) • Added Drainage Report Format/Content requirements (Section B-2) 	
Appendix I – Integrated Pest Management Plan	No change from 2016 Manual	<ul style="list-style-type: none"> • Added Landscape Management Plan requirements (Section I-1) • Minor revisions to Integrated Pest Management Plans (Section I-2) • Added references (Section I-3) 	