



2021 Engineering Development Manual Summary of Changes

The key objectives of the 2021 Engineering Development Manual (EDM) revisions include:

- Incorporating amendments made to the Shoreline Municipal Code (SMC) since the adoption of the 2020 EDM;
- Adopt Department of Ecology’s 2019 Stormwater Management Manual for Western Washington (SWMMWW);
- Improve compliance with the City’s Western Washington Phase II Municipal Stormwater National Pollutant Discharge Elimination System (NPDES) Permit;
- Provide greater clarity; and
- Resolve inconsistencies between the EDM, Standard Plans, and SMC.

Revisions. The tables below summarize the revisions to the 2020 EDM adopted by the 2021 EDM. This is not inclusive of all changes and is intended as a high-level summary.

General / Global Edits	
Content	Updated content to align with SMC amendments and 2019 SWMMWW requirements. Reworded content that has created confusion or difficulty during development review.
References	Updated/revised references to SMC, EDM Chapters, tables and figure numbers, and website hyperlinks.
Formatting	Revised acronym use, edited page footers to reference EDM section titles, and adjusted formatting throughout to ensure consistency.

Division 1 – Administration	
Chapter 1	Removed Ronald Wastewater District contact information.
Chapter 2	Removed Ronald Wastewater District from the Non-City Agency contact list.
Chapter 4	Clarified requirements for the Declaration of Covenant and specified covenant exhibit requirements.
Chapter 5	Added Latecomer Agreement language referencing SMC.

Division 2 – Right-of-Way	
Chapter 7	Included right-of-way tree removal posting requirements and signage. Added frontage improvement designs must address access needs of adjacent land use. Expanded illumination requirement for all projects undergrounding utilities to install pedestrian lighting. Updated street lighting as-built submittal guidelines, referencing revised Appendix H.
Chapter 9	Specified the City’s street classification is approved through Shoreline’s Transportation Master Plan (TMP) process.
Chapter 12	Included reference to the WSDOT <i>Design Manual</i> to use where additional roadway geometric design guidance is necessary. Revised reference to Appendix F – Street Matrix, specifying Appendix F provides minimum widths. Updated Utility Locations section standards pertaining to poles and obstructions.
Chapter 13	Revised Pedestrian Accommodations section adhering to RCW.
Chapter 14	Added language to allow for alternative sidewalk design to protect significant trees. Revised Shared Use Path widths for paved paths and ramp requirements.



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Chapter 15	Updated Table 15 – Standard Lateral Clearances. Added language requiring installation of asset tags and mailbox installation requirements.
Chapter 17	Added Roundabouts section.

Division 3 – Surface Water

Chapter 18	Adopted 2019 SWMMWW. Updated references.
Chapter 19	Revised chapter to reference the 2019 SWMMWW and the City's additional requirement to the 2019 SWMMWW, including: <ul style="list-style-type: none"> • Clarified the definition of utility projects in SWMMWW Section I-3.2. • Required all Low Impact Development (LID) Best Management Practices (BMPs) to be shown on the Applicant's Erosion Control Plan. • Required phosphorus treatment in the McAleer Creek Basin, unless the site discharges downstream of Lake Ballinger. • Revised the criterion allowing the use of existing land cover condition in basins that have been 40 percent total impervious area since 1985 to not be permitted in any basins in the City. • Added Underground Injection Control (UIC) requirements. • Clarified that MGSFlood is not acceptable to model bioretention.
Chapter 20	Revised chapter to conform to 2019 SWMMWW and formatted for clarity. Incorporated old Section 20.3 Water Quality into Chapter 19. Incorporated old Section 20.10 Offsite Drainage Improvements into Chapter 19. Moved old Chapter 24 Flood Control to new Section 20.10. Incorporated old Section 20.12 Stormwater Facility Operation into Section 4.9.
Chapter 22	Removed old Chapter 22 Site Development Plan. Updated chapter title for clarity. Added reference to EDM Stop Work section.
Chapter 23	Reformatted chapter for clarity. Updated conveyance system requirements for consistency with current City practices and requirements. Added Section 23.2 for pump system requirements.

Division 4 – Wastewater

Chapter 24	Added placeholder for wastewater engineering development standards, post-assumption of Ronald Wastewater District. Standards will be posted on the City's website as a separate document and will be incorporated in the 2022 EDM.
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Division 5 – Construction and Inspection

Chapter 25	Added language to protect trees from construction impacts, additional pavement overlay requirements, and added Monitoring Wells and Potholing section.
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Appendices	
Appendix A	Added new and deleted unused acronyms and definitions. Formatted acronym and definition lists in alphabetical order.
Appendix C	Revised Surface Water Report Guidelines.
Appendix D	Updated Geotechnical Report Guidelines pertaining to drainage and exploration logs.
Appendix E	Noted the City's Transportation Master Plan (TMP) is in the process of being updated and may alter Appendix F - Street Matrix in future EDM versions.
Appendix F	Updated information with data available post-Corridor studies, specified street names, and provided clarity.
Appendix G	Reformatted tables and adjusted page orientation for ease of reading. Noted the Street Tree List was last updated in 2019.
Appendix H	Revised As-Built submittal requirements to reflect City's electronic process, including the deletion of AutoCAD Guidelines.
Appendix K	Reformatted tables for ease of reading.
Appendix L	Updated list of Standard Plans with new Standard Plans. Added revision/approval dates in table.