FIRCREST CITY COUNCIL STUDY SESSION AGENDA

TUESDAY, JANUARY 19, 2021COUNCIL CHAMBERS6:00 P.M.FIRCREST CITY HALL, 115 RAMSDELL STREET

- 1. Call to Order
- 2. Pledge of Allegiance
- 3. Roll Call
- 4. Agenda Modifications
- 5. Pavement Management Plan Discussion
- 6. Stormwater Standards Discussion

To comply with the Governor's orders, our City Council meetings will be physically closed to the public. Below is the call-in information for the public to listen via Zoom.

Zoom Meeting Details:

Dial-in Information: 1-253-215-8782 Webinar ID: 857 7769 7009 Password: 312044

AGENDA ITEM: Pavement Management Plan

DATE: January 19, 2021

FROM: Jerry Wakefield, Public Works Director

BACKGROUND: The last pavement management plan for the City of Fircrest was completed in 2010. As we began preparing a new plan, StreetScan was selected to perform a new pavement management plan in 2020. A pavement management plan is very helpful in evaluating the condition of our roadways and establishing specific criteria that are used in developing plans for improvements and grant applications.

The following slideshow provides an overview of the process that was used to establish the conditions and assessment of our roads. You can follow the link below to view the slideshow online. This tool will be used to help establish a plan for improvement going forward. This will assist the City in the preparation of the City's 6-year Transportation Improvement Plan which is completed each year. This will also provide the City with a tool to establish an improvement plan based on needed improvement and proposed budgets.

Attachments: <u>Slideshow</u>

AGENDA ITEM:Stormwater Discussion regarding standardsDATE:January 19, 2021FROM:Jerry Wakefield, Public Works Director

BACKGROUND: Since the 11th Tee development and the use of bioswales for stormwater treatment has been questioned, this has prompted questions regarding the City's stormwater requirements and standards. In order to best understand the requirements, a summary of the regulations that control the City's requirements is being presented. The attached information provides an overview of those requirements and how the City has implemented those requirements.

The stormwater manual that has been adopted by the City's is the standard for stormwater management and controls. Stormwater improvements in the City must meet those standards for the City to comply with their NPDES permit with the Washington State Department of Ecology.

Additional discussion on the City's development standards which would identify how the stormwater manual is implemented could take place. An example might be limiting the use of certain BMP's (Best Management Practices) in certain conditions, such as not allowing bioswales in Public Right of Way. This doesn't change the standard but would limit the options for stormwater treatment alternatives that are acceptable in the manual. This would not require the manual to be changed, however, it would require the development standards to change and limit the use of certain requirements.

Attachments: <u>Requirements Memo</u> <u>FMC 20.24.030</u> <u>Stormwater Manual Elements</u>

Stormwater Discussion regarding requirements

Council Study Session 01/19/2021

Stormwater is regulated by the Washington State Department of Ecology (ECY).

ECY issues municipal permits to jurisdictions to monitor and control runoff and discharge that water into state waters. This is done through the National Pollutant Discharge Elimination System (NPDES) municipal stormwater permits. The Western Washington Phase II permit requires local governments to manage and control stormwater runoff so that it does not pollute downstream waters.

ECY has issued the City of Fircrest Permit No. WAR045008.

This permit has many requirements of which the City of Fircrest has adopted codes that establish standards to ensure we comply with the permit requirements.

In 2019, the FMC was reviewed and updated to meet some of these permit requirements. This update was done to FMC 20.24 Stormwater Management. One of those requirements was to adopt a standard for use in regulating the stormwater element for development. This is section 20.43.030 adoption of Standard. Previously the City had already adopted the 2012 Manual with an update done in 2014. This latest revision was started in 2017 and approved in 2019.

This Stormwater Management Manual for Western Washington was updated in 2019. This document is 1000+ pages and has 5 volumes. See attached <u>Executive Summary</u> of the 2019 revisions and a table of contents of the manual.

This Manual is what is used by new developments to plan, design, and construct stormwater facilities for their development.

Modifications or changes to this manual are done primarily by ECY with input from all the jurisdictions that adopt this manual. Without a consensus and a lot of input, changes will not be made.

Some jurisdictions had decided to create their own manual and get ECY approval for that document. Examples of this are Pierce County, the City of Tacoma, and King County. Those manuals are similar; however, have been tailored to their specific issues and needs and have taken several years to obtain ECY approval. The City of Fircrest could adopt one of those as their standard if ECY has approved the manual. An example of this is the City of University Place has adopted the King County manual as their standard.

Stormwater Management Manual for Western Washington













July 2019



Publication Number 19-10-021



Stormwater Management Manual for Western Washington

Volume I - What Requirements Apply to My Site? Volume II - Construction Stormwater Pollution Prevention Volume III - Choosing, Modeling, and Documenting Your BMPs Volume IV - Source Control BMP Library Volume V - Runoff Treatment, Flow Control, and LID BMP Library

Prepared by:

Washington State Department of Ecology Water Quality Program

July 2019

Publication Number 19-10-021

Executive Summary of the 2019 Revisions

The Stormwater Management Manual for Western Washington (SWMMWW) provides guidance on the measures necessary to control the quantity and quality of stormwater. Local municipalities use this manual to set stormwater requirements for new development and redevelopment projects. Land developers and development engineers use this manual to design permanent stormwater control plans, create construction stormwater pollution prevention plans, and determine stormwater infrastructure. Businesses use this manual to help design their stormwater pollution prevention plans.

The greatest use of the SWMMWW has been through National Pollutant Discharge Elimination System (NPDES) stormwater permits. The Municipal Stormwater General Permits for western Washington incorporate and reference the SWMMWW. The Industrial Stormwater General Permit, Construction Stormwater General Permit, Boatyard General Permit, and the Sand and Gravel General Permit reference the SWMMWW. Since 2005, Ecology has reissued or issued for the first time all of these NPDES stormwater permits. The 2019 revisions to the SWMMWW will continue to help permittees comply with these permits.

Types of Revisions

Usability Enhancements

The focus of the 2019 update was to enhance the usability, which will result in improved implementation of the stormwater permits that rely on this guidance. Enhancements include:

- Fully embracing the online user (maintain the interactive online format)
- Consolidating repetitive information
- Revising text for clarity
- · Reordering sections for a better flow of concepts

Significant Changes

Ecology also identified the following changes that must be made in order to continue to provide the best guidance available:

- 1. **Continuous Simulation Modeling:** Text throughout the SWMMWW has been updated to require continuous simulation models that include:
 - The ability to directly model BMPs that may be used in LID applications, such as bioretention, permeable pavement, and green roofs.
 - 15-minute time steps.
 - Incorporation of the van Genuchten algorithm to model bioretention.
- 2. **Replaced Hard Surfaces Redevelopment Threshold:** The Minimum Requirement Thresholds for non-road related commercial or industrial redevelopment projects have been updated to require the project proponent to compare the value of the proposed improvements

2019 Stormwater Management Manual for Western Washington

to the value of the Project Site (the limits of disturbance) improvements, rather than the Site (the entire parcel) improvements.

- 3. Equivalent Areas: The Redevelopment Project Thresholds have been updated to allow a project proponent to provide Stormwater Management BMPs for an equivalent area. The equivalent area may be on-site, or off-site if the area drains to the same receiving water and the guidance for in-basin transfers is followed.
- 4. **Minimum Requirement 2:** The 13 Elements in <u>I-3.4.2 MR2: Construction Stormwater Pollution Prevention Plan (SWPPP)</u> have been updated to incorporate changes that were made to the 2015-2020 Construction Stormwater General Permit.
- Minimum Requirement 5: <u>I-3.4.5 MR5: On-Site Stormwater Management</u> has been updated to require <u>BMP T5.13: Post-Construction Soil Quality and Depth</u> when choosing to use the LID Performance Standard to meet Minimum Requirement 5 for Minimum Requirement 1-5 projects.
- 6. **Minimum Requirement 7:** <u>I-3.4.7 MR7: Flow Control</u> has been updated to ensure that a TDA discharging to a marine waterbody meets all exemption requirements before it can be determined to be Flow Control exempt.
- 7. Concrete Washout BMP: <u>BMP C154</u>: <u>Concrete Washout Area</u> has been updated to clarify that auxiliary concrete truck components and small concrete handling equipment may be washed into formed areas awaiting concrete pour, while concrete truck drums must be washed either off-site or into a concrete washout area.
- 8. Source Control BMPs: Volume IV (Source Control BMP Library) has been updated with Source Control BMPs for activities not listed in previous versions of the manual. The new activities with Source Control BMPs are:
 - <u>S434 BMPs for Dock Washing</u>
 - <u>S441 BMPs for Potable Water Line Flushing, Water Tank Maintenance, and Hydrant</u>
 <u>Testing</u>
 - <u>S435 BMPs for Pesticides and an Integrated Pest Management Program</u>
 - <u>S444 BMPs for the Storage of Dry Pesticides and Fertilizers</u>
 - S449 BMPs for Nurseries and Greenhouses
 - <u>S450 BMPs for Irrigation</u>
 - <u>S445 BMPs for Temporary Fruit Storage</u>
 - <u>S439 BMPs for In-Water and Over-Water Fueling</u>
 - <u>S436 BMPs for Color Events</u>
 - <u>S438 BMPs for Construction Demolition</u>
 - <u>S440 BMPs for Pet Waste</u>
 - S442 BMPs for Labeling Storm Drain Inlets On Your Property

2019 Stormwater Management Manual for Western Washington

- S443 BMPs for Fertilizer Application
- <u>S446 BMPs for Well, Utility, Directional and Geotechnical Drilling</u>
- S447 BMPs for Roof Vents
- S451 BMPs for Building, Repair, Remodeling, Painting, and Construction
- S452 BMPs for Goose Waste
- 9. Wetlands Guidance: <u>Appendix I-C: Wetland Protection Guidelines</u> and <u>I-3.4.8 MR8: Wet-</u> <u>lands Protection</u> have been updated to require monitoring and modeling of high value wetlands, if the project proponent has legal access to them. The 2014 wetland guidance is retained, but refined, for modeling requirements for lower value wetlands (and high value wetlands that the project proponent does not have legal access to).

Other Updates

Other updates include:

- Incorporation of UIC Program guidance. See <u>I-4 UIC Program</u>.
- Expanded guidance for regional facilities. See <u>Appendix I-D: Regional Facilities</u>.
- Guidance for stormwater control transfer programs. See <u>Appendix I-E: Stormwater Control</u> <u>Transfer Program</u>.

How to Find Corrections, Updates, and Additional Information

With a publication of this size and complexity there will inevitably be errors that must be corrected and clarifications that are needed. There will also be new information and technological updates.

Ecology intends to incorporate errata changes within the text of the interactive online version of the 2019 SWMMWW. Other updates, such as new technical information, FAQs, and/or training videos, may be posted as additional documents in the navigation pane of the interactive online manual, but will not be incorporated within the manual text until Ecology officially updates the publication.

Ecology will not use the interactive online version to make revisions in key policy areas – such as the thresholds and minimum requirements in Volume I. Please check the interactive online version periodically for corrections and updates.

Public Involvement Leading Up to the 2019 SWMMWW

Ecology provided public involvement opportunities and received public comments in preparation of the 2019 SWMMWW through individual user feedback, listening sessions, meetings with experts in selected fields, a preliminary draft public comment period, and a formal draft public comment period.

Individual User Feedback

Since the release of the 2014 SWMMWW, Ecology has collected feedback in the form of emails and phone calls from individual manual users. Ecology took note of common questions, and has provided clarification in the edits.

Listening Sessions

In the Spring of 2017, Ecology hosted listening sessions across western Washington to gather input for preparing to reissue the 2019 Municipal Stormwater permits and update the Manual. Participants largely agreed that the Manual update should not include substantial changes to the technical requirements, but were thankful for the efforts suggested by Ecology to enhance the usability of the manual.

Meetings With Experts

In a few cases, Ecology met with internal and external experts to discuss needed changes to the Manual. For example, Ecology held meetings to discuss the updates to <u>Appendix I-C: Wet-</u><u>land Protection Guidelines</u>.

Preliminary Draft Public Comment Period

In the Fall of 2017, Ecology provided a preliminary draft package of the 2019 SWMMWW for an informal public review. Ecology considered the comments received while finalizing the formal draft.

Formal Draft Public Comment Period

In the Summer of 2018, Ecology provided a formal draft package of the 2019 SWMMWW for a 120 day public comment period. Ecology considered the comments received during the comment period and made the final changes to the 2019 SWMMWW. Ecology has issued a response to comments with the final version of the 2019 SWMMWW.

20.24.030 Adoption of standard.

(a) All new development, redevelopment, and construction site activities will be subject to the thresholds and minimum requirements published in Appendix 1 of the current Western Washington Phase II municipal stormwater permit.

(b) The city adopts as its standard for use in regulating the stormwater element for development, redevelopment, and construction site activities within the city the document entitled "Stormwater Management Manual for Western Washington." The city shall incorporate into this manual, upon their adoption by the Washington State Department of Ecology by due process, amendments and revisions to the document as they become effective.

A copy of the manual has been filed with the city clerk for use and examination by the public. (Ord. 1640 § 2, 2019).