



**CITY COUNCIL MEETING
STAFF REPORT**

Meeting Date: February 22, 2024		Subject: Draft Stormwater Master Plan	
		Staff Member: Kerry Rappold, Natural Resources Manager	
		Department: Community Development	
Action Required		Advisory Board/Commission Recommendation	
<input type="checkbox"/> Motion <input type="checkbox"/> Public Hearing Date: <input type="checkbox"/> Ordinance 1 st Reading Date: <input type="checkbox"/> Ordinance 2 nd Reading Date: <input type="checkbox"/> Resolution <input checked="" type="checkbox"/> Information or Direction <input type="checkbox"/> Information Only <input type="checkbox"/> Council Direction <input type="checkbox"/> Consent Agenda		<input type="checkbox"/> Approval <input type="checkbox"/> Denial <input type="checkbox"/> None Forwarded <input checked="" type="checkbox"/> Not Applicable	
		Comments: N/A	
Staff Recommendation: Review and provide comment on the Draft Stormwater Master Plan.			
Recommended Language for Motion: N/A			
Project / Issue Relates To:			
<input checked="" type="checkbox"/> Council Goals/Priorities: Protect and Preserve Wilsonville’s Environment	<input type="checkbox"/> Adopted Master Plan(s):	<input type="checkbox"/> Not Applicable	

ISSUE BEFORE COUNCIL:

Staff and the consultant will present the Draft Stormwater Master Plan (SMP).

EXECUTIVE SUMMARY:

In 2012, the City adopted the current Stormwater Master Plan, which provided an update to the previous master plan adopted in June 2001. There have been changes in land use (e.g., Urban Growth Boundary (UGB) expansion areas) and new stormwater management requirements (i.e., National Pollutant Discharge Elimination System Municipal Separate Sewer System (NPDES MS4) Permit) that need to be addressed as part of the update. The City ultimately seeks an integrated approach to stormwater and watershed management that will result in the development of management solutions and policies that maintain, restore, and enhance local watersheds and meet engineering, environmental and land use needs.

In 2021, a virtual open house and survey were conducted to gather feedback from the community about the proposed SMP. Ninety respondents provided input on existing conditions (e.g., water quality of streams and flooding issues) related to the stormwater system and how they rate the level of service (e.g., maintenance of system and public education). Overall, the respondents felt the City was doing a good job in regards to managing the public stormwater system.

Since 2021, the consultant team has been working on extensive data collection, problem area identification, modeling of the stormwater system, retrofit analysis, Capital Improvement Program (CIP) projects, and developing the policies that will guide the implementation of the SMP. In developing the SMP, a number of new elements were included:

1. An analysis of the City's NPDES MS4 permit (i.e., stormwater permit issued by the Oregon Department of Environmental Quality (DEQ)) and Total Maximum Daily Load (TMDL) Implementation Plan (i.e., a plan to address bacteria, mercury and temperature as required by Oregon DEQ) to determine the appropriate management and project objectives in the SMP.
2. Stream surveys (segments of Boeckman Creek, Meridian Creek, Arrowhead Creek, and streams in the Frog Pond Planning Area) to assess the geomorphic condition (e.g., bank erosion, and grade control, such as beaver dams) of stream channels due to hydromodification (i.e., the impact of urban stormwater runoff).
3. A staffing analysis to determine the current and future needs related to operating and maintaining the public stormwater system, including the implementation of future programmatic responsibilities and CIP projects.

The Capital Improvement Program addresses the variety of issues and problems associated with the City's public stormwater system and represents a critical piece in the overall management of the system. Projects were prioritized to address the capacity, condition, and maintenance of the system, and improvements associated with water quality and hydromodification. In addition to the identified CIP projects, stormwater programs, such as water quality retrofit and local drainage improvements were developed to address regulatory drivers and support proactive system maintenance.

A total of 15 capital projects were identified to address current and future storm drainage infrastructure needs over the 20-year planning period. Due to phasing some of the projects, these 15 capital projects represent 20 separately costed and phased projects for purposes of prioritization and scheduling efforts. The CIP projects, which are divided into annual, high priority (2024-28), medium priority (2029-33), and low priority, have an estimated total cost of \$72,065,000.

On February 14, 2024, the SMP will be presented at a Planning Commission work session. Any feedback received from the Commissioners will be presented to the City Council.

EXPECTED RESULTS:

The SMP includes goals and policies, data gathering, surveying, system condition assessment, hydraulic modeling, area specific studies, retrofit analysis, Capital Improvement Program, fee in lieu of construction program, and draft and final versions of the SMP. The recommended capital improvements will provide the basis for an analysis of stormwater rates and system development charges (SDCs) that are necessary to fund the projects needed to meet permit requirements and the City's stormwater management needs.

TIMELINE:

The project team will incorporate feedback received from both the Planning Commission (February 14, 2024 work session) and the City Council (February 22, 2024 work session) into the final SMP. Public hearing review of the SMP by the Planning Commission is scheduled for March 13, 2024. The City Council public hearing is scheduled for April 1, 2024.

CURRENT YEAR BUDGET IMPACTS:

The amended fiscal year 2023-2024 Budget for CIP#7064 includes \$77,425 in storm operations and system development charge funds to develop the SMP.

COMMUNITY INVOLVEMENT PROCESS:

The consultant team prepared a public engagement plan for outreach to interested members of the community and businesses potentially affected by the SMP. The Public Engagement Plan incorporated the City's existing public engagement tools, including Let's Talk Wilsonville and the Boones Ferry Messenger. A survey was conducted to provide information and solicit feedback from the public related to the project scope and activities. The forthcoming Storm System Rate Study and SDC Update will also include a public engagement process with outreach to utility customers and the development community.

POTENTIAL IMPACTS or BENEFIT TO THE COMMUNITY:

The SMP will benefit the community by providing goals and policies and an updated Capital Improvement Program to serve a growing population and meet environmental regulations.

ALTERNATIVES:

The project team considered and evaluated numerous alternatives to provide the needed storm drainage improvements necessary to meet the City's system management needs and permit requirements. The recommended Capital Improvement Program implements the needed improvements in a way that is efficient and cost effective.

CITY MANAGER COMMENT:

N/A

ATTACHMENT:

1. Draft Stormwater Master Plan