




CITY OF  
**West  
Linn**

## Storm Drainage Master Plan\*

Planning Commission Work Session September 4, 2019



### Storm Drainage Master Plan

- Feedback from August 7, 2019 Work Session
  - Change Name of Document to: Storm Drainage Master Plan
  - Add language to executive summary relating document to Comprehensive Plan
  - Rename Tannler Drive Project
  - Change priority of Tannler Drive project to “high”
  - Add miles of creeks to inventory

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## Executive Summary Update – Redlines (pg. v)



This 2019 ~~Storm Drainage~~~~Surface Water~~ Master Plan (Plan or SMP) is a supporting document to the City's Comprehensive Plan and provides an overview of ~~stormwater~~~~the surface water~~ system improvement needs to address future growth, water quality, maintenance/system condition issues, and capacity issues. The City's overall surface water system is composed of piped and open channel conveyances (e.g., ditches, creeks), in addition to collection, treatment, and detention facilities for stormwater drainage. The master planning process included the following steps:

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## Tannler Drive Project – proposed updates



- ◆ Change name of project to:
  - “Tannler Drive/Bernert Creek Basin” Feasibility Study
- ◆ Change priority to “high (2019-2023)” instead of medium priority (2024-2028)
  - Update total “high” priority project costs to: \$5,882,000 (increase \$20,000)
  - Update total “medium” priority project costs to: \$6,106,000 (decrease \$20,000)

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### Tannler Drive Project – Redlines (pg 6-9)



**Tannler ~~Open Ditch Drive~~/Bernert Creek Basin Feasibility Study (P-1).** This project need was identified during the project needs assessment. City staff and the public identified an opportunity to daylight a portion of the piped storm system, adjacent to Tannler Drive. Daylighting the pipe may improve aesthetics and water quality in the area. The reported pipe depth may result in geotechnical challenges and limit the ability to daylight the system without encroaching on adjacent natural resources (trees). Project P-1 is budgeted as a \$20,000 planning study to evaluate the feasibility of the proposed project. This was identified as a **medium-high** priority project need, based on feedback from the public.

### Inventory – Section 2.5 (page 2-4)



- In addition to the assets identified in Table 2.4, there are approximately 30 miles of mapped tributary stream/creeks, of which approximately 5 miles overlap with City mapped assets (culverts, pipes, etc.)

Table 2-4. System Asset Inventory—Pipes, Culverts, and Open Channels

Diameter	Length (LF)
N/A	8,570
0-6	29,130
8-12	431,490
14-18	77,950
20-24	28,030
27-30	6,470
36	10,990
40-42	890
48	920
54	310
60	230
66	100
72	220
>72	460
<b>Total (Pipe and Culvert)</b>	<b>595,260</b>
<b>Total (Open Channel)</b>	<b>52,422</b>
<b>Total (Mapped Stream/Creek)</b>	<b>159,491</b>

Note: Excludes identified county, ODOT and private infrastructure, unless specified.



## Inventory – Section 2.5 (page 2-4)

Table 2-5. Storm Infrastructure

Facility	Number
Catch basin	2,977
Clean out	86
Ditch inlet/inlet structure	665
Manholes/Pollution control manholes	1,543/142
Public ponds	47
Public wetlands	6
Swales (public and private)	203

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## Storm Drainage Master Plan - Resources

- [https://westlinnoregon.gov/sites/default/files/fileattachments/public\\_works/project/19721/draft\\_west\\_linn\\_stormwater\\_master\\_plan\\_june2019\\_public.pdf](https://westlinnoregon.gov/sites/default/files/fileattachments/public_works/project/19721/draft_west_linn_stormwater_master_plan_june2019_public.pdf)
- <https://www.oregon.gov/lcd/OP/Pages/Goal-11.aspx>

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