

Stormwater Master Plan

City Council

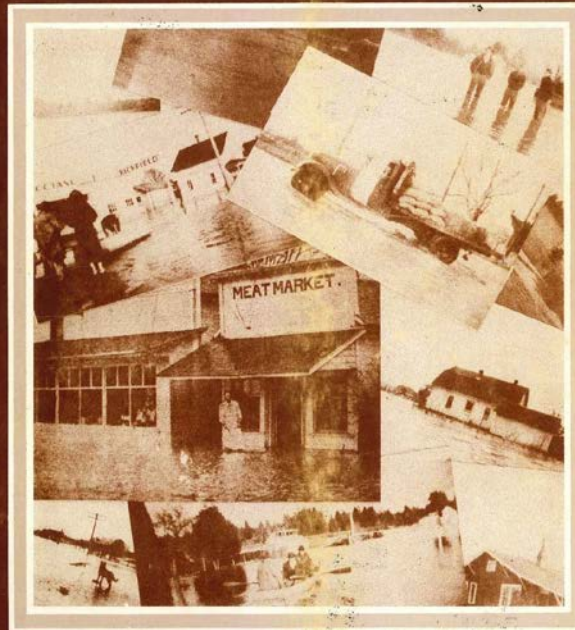
February 8, 2021



Replacing Tualatin's Most Recent Plan

1972

tualatin
drainage
plan



2021

STORMWATER MASTER PLAN



- ✓ Aging infrastructure: conveyance, detention, treatment
- ✓ Capacity issues: undersized pipes
- ✓ Erosion of streambanks
- ✓ Add/repair water quality facilities
- ✓ Planning for growth

Other Stormwater Regulations



The Stormwater Master Plan does not recommend specific regulations.

- ✓ Development Code, Public Works Construction Code and Municipal Code regulate public/private stormwater systems
- ✓ CIP projects are still subject to approval and available funding

WHAT IS STORMWATER?

Stormwater is any water that originates from rain, ice, and snow melt.



WHEN IT DOES NOT SOAK INTO SOIL...

the runoff flows over impervious surfaces, *(paved streets, parking lots, and rooftops)*

picking up oil, sediment, bacteria, grease, and chemicals that can pollute our streams



WHERE DOES OUR RUNOFF GO?

Into the nearest water bodies.

For Tualatin that means:

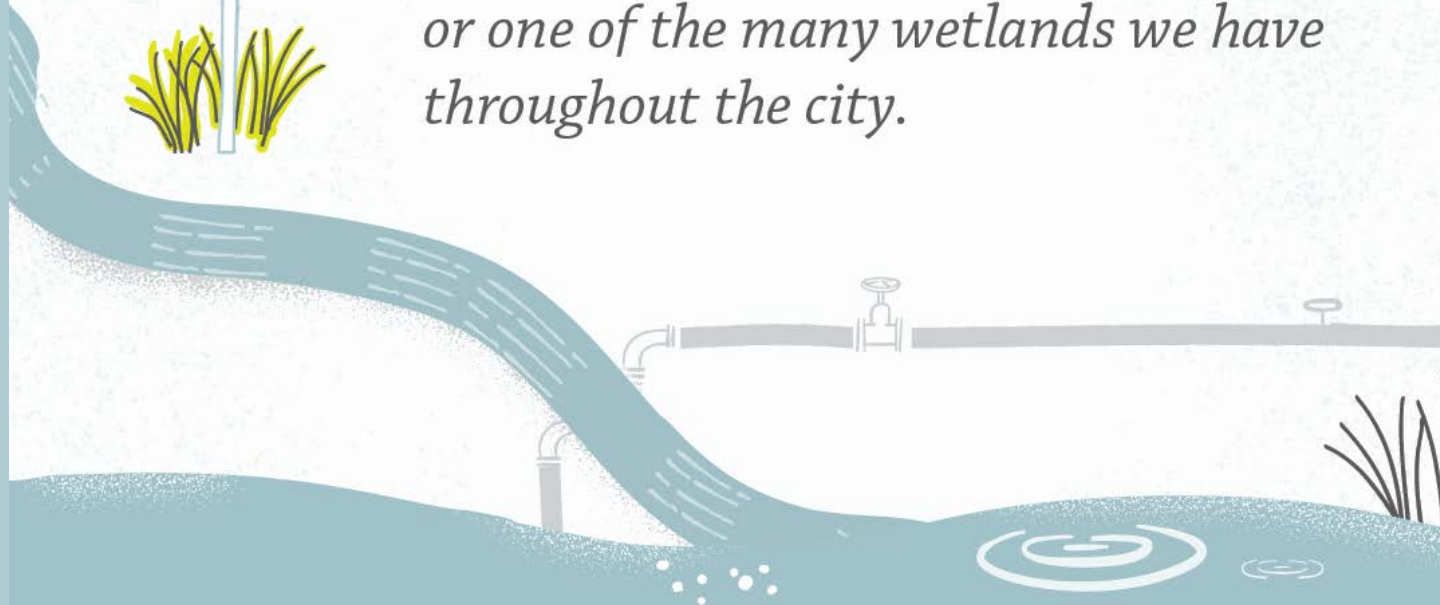
HEDGES CREEK

NYBERG CREEK

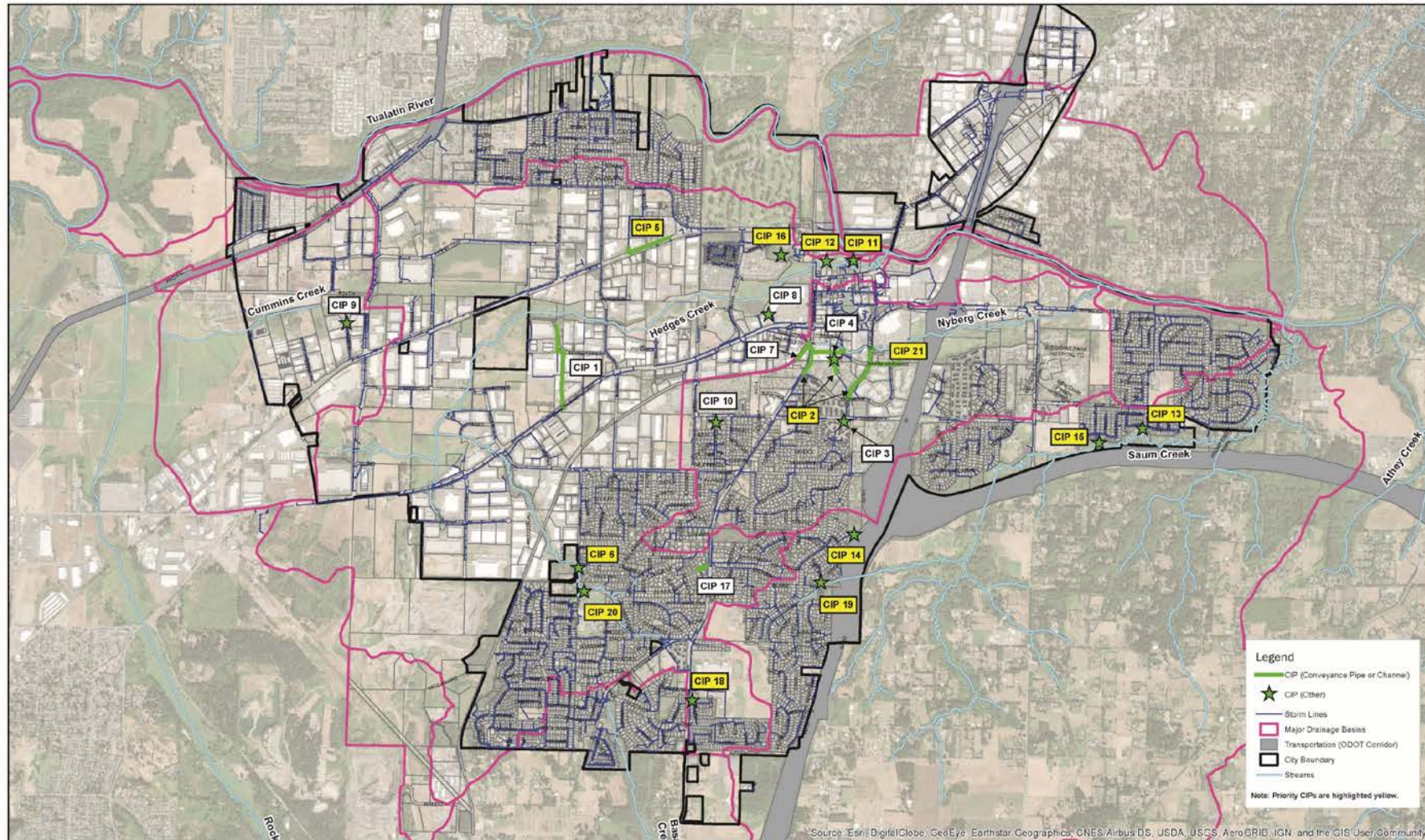
SAUM CREEK

THE TUALATIN OR WILLAMETTE RIVERS

or one of the many wetlands we have throughout the city.



Stormwater Master Plan prioritizes capital projects



Some priority projects are already completed



Sequoia Ridge Water Quality Facility

Table ES-1. Capital Project Summary			
Priority Project	CIP Number	CIP Name	Cost estimates
	1	Manhasset Storm System Improvements	\$1,581,000
X (Phase 1) ^a	2	Nyberg Creek Stormwater Improvements	\$3,412,000
	3	Sandalwood Water Quality Retrofit	\$107,000
	4	Mohawk Apartments Stormwater Improvements	\$295,000
X	5	Herman Road Storm System	\$1,023,000
X	6	Blake St Culvert Replacement	\$552,000
	7	Boones Ferry Railroad Conveyance Improvements	\$515,000
	8	89th Avenue Water Quality Retrofit	\$262,000
	9	125th Court Water Quality Retrofit	\$206,000
	10	93rd Avenue Green Street	\$224,000
X	11	Juanita Pohl Water Quality Retrofit	\$156,000
X	12	Community Park Water Quality Retrofit	\$158,000
X	13	Water Quality Facility Restoration - Venetia	\$65,000
X	14	Water Quality Facility Restoration - Piute Court	\$104,000
X	15	Water Quality Facility Restoration - Sequoia Ridge	\$83,000
X	16	Water Quality Facility Restoration - Sweek Drive Pond	\$103,000
	17	Siuslaw Water Quality Facility Retrofit	\$454,000
X	18	Water Quality Facility Restoration - Waterford	\$180,000
X	19	Saum Creek Hillslope Repair	\$171,000
X	20	Hedges Creek Stream Repair	\$327,000
X	21	Nyberg Water Quality Retrofit	\$2,037,000
		Total	\$12,015,000
		Total (Priority projects only)	\$6,482,000

a. CIP 2, Nyberg Creek Stormwater Improvements includes three phases of development. Phase I implementation is considered priority.

Planning for Future Growth

Development increases stormwater runoff from impervious surfaces

- ✓ Stormwater plans must be tailored to specific development projects
- ✓ Development pays for stormwater system improvements
- ✓ Infill within the City limits
- ✓ New streets
- ✓ Areas being annexed to the City: Basalt Creek, etc.

“A development application changes everything!”

Public Outreach – *what we have been hearing*

- Flooding concerns
- What’s planned for Basalt Creek?
- Cost and cost-effectiveness of stormwater measures
- Good for the environment: property owners ask “*How can I help?*”



Emkgray: *I’m building a little rain garden in my front yard to help!*
– Instagram



Marissa Houlberg: *Read the plan, learned much and had several questions. I had no idea we have 500 water quality facilities!*

– Facebook



Plan Text Amendment

- Update Comprehensive Plan Chapter 9;
- Update capital project map in Comprehensive Plan;
- Update references and clarify language in Comprehensive Plan and Development Code (Chapter 74).

Plan Text Amendment

- The findings demonstrate that the proposal meets the applicable criteria:
 - Statewide Planning Goals;
 - Oregon Administrative Rules;
 - Metro Urban Growth Management Functional Plan;
 - TDC 33.070, Plan Amendments.

Ordinance 1453-21

- Ord. 1453-21 would approve the Stormwater Master Plan as well as adopt proposed text amendments.
- Tualatin Planning Commission forwarded a recommendation of approval of the proposed text amendments to the City Council.
- The Council may alternatively: make further modifications; deny the proposed amendments; or, continue the public hearing to a later date.

City of Tualatin
**Stormwater
Master Plan**

April 2019 | DRAFT-FINAL



Next Steps

- Addressing ongoing operational issues
- Long-term plan for funding

Questions? Suggestions?



Thank You!

