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CITY RECORDER USE ONLY:

AGENDA ITEM #: _____

MEETING DATE: 08/09/2021

FINAL ACTION: WORK SESSION:

CITY COUNCIL AND PLANNING COMMISSION JOINT WORK SESSION STAFF REPORT

TO: *City Council and Planning Commission*

FROM: *Jesse VanderZanden, City Manager
Bryan Pohl, Community Development Director
Greg Robertson, Public Works Director*

MEETING DATE: *August 9, 2021*

PROJECT TEAM: *Greg Robertson, Public Works Director
Rich Blackmun, Project Manager
Derek Robbins, Project Engineer
Bryan Pohl, Community Development Director
Dan Riordan, Senior Planner
City Public Works, Fire Department & Water Treatment Plant Staff*

SUBJECT TITLE: *Water System Master Plan Update Work Session*

ACTION REQUESTED:

☐	Ordinance	☐	Order	☐	Resolution	☐	Motion	☒	Informational
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X all that apply

PURPOSE:

The purpose of the work session is to familiarize Council with the master planning process, the legal framework, and Forest Grove's existing water supply and distribution system and allow for questions and answers. With that as a backdrop, a second work session is planned approximately 4-6 months from now to focus on the Plan's recommendations and capital improvement program.

BACKGROUND:

City staff has been working with Murray Smith and Associates to update the City's 2010 Water System Master Plan. Master Plans are updated approximately every 10 years.

Under the umbrella of the City's Comprehensive Plan resides several specific infrastructure related "sub-plans" which include: Water, Sewer, Stormwater and Street. Each of these plans contains detailed analysis of each City system and provides recommendations to improve or maintain levels of service for each. Upon adoption, the Plan will guide public investment in the water system for the planning horizon in the Plan.

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Water System Master Update

Gregory Robertson
Public Works Director

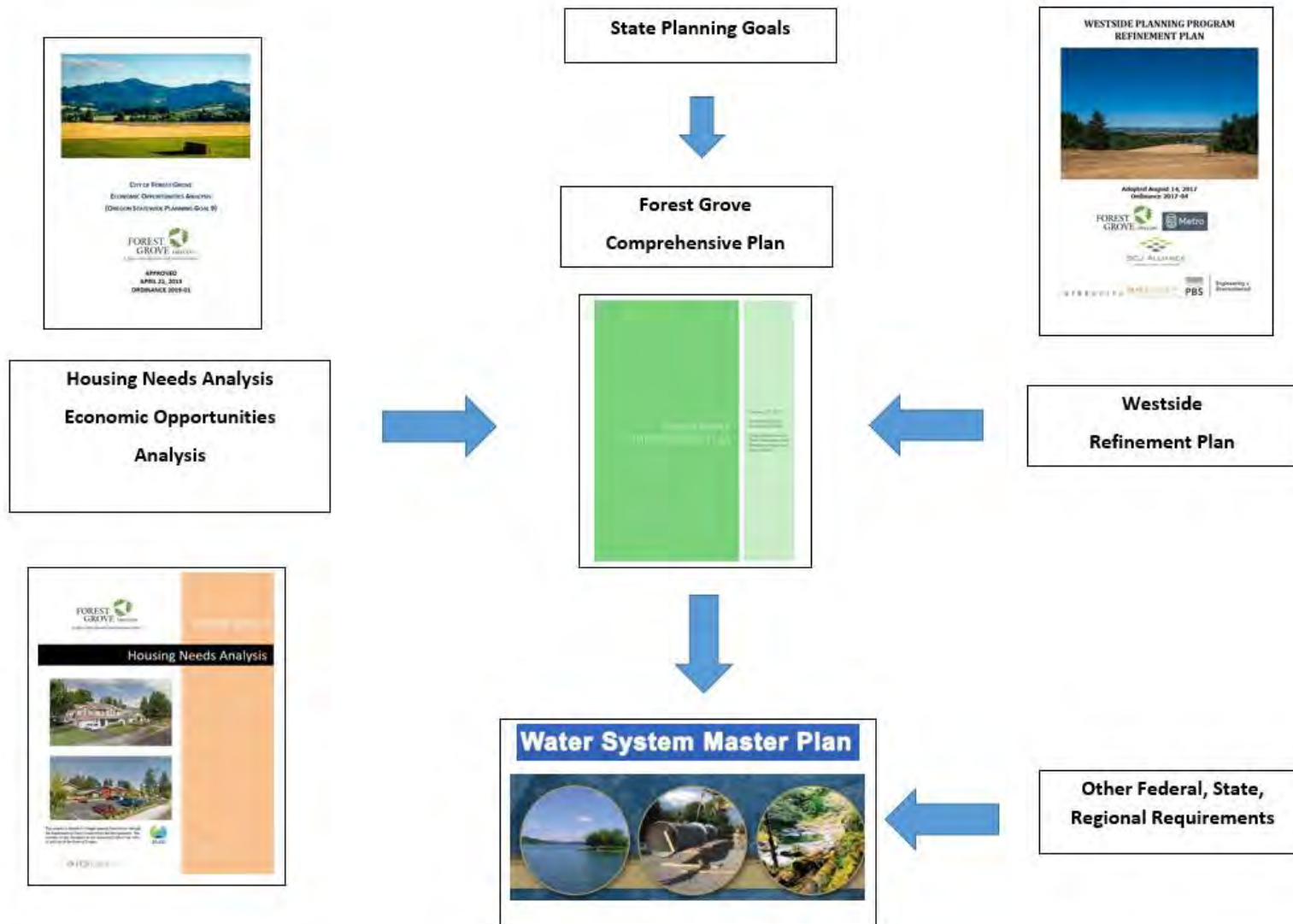
Dan Riordan
Senior Planner

08/09/2021

Agenda

- ❑ Introduction
- ❑ Planning Framework
- ❑ What is a Water Master Plan
- ❑ How is the Water Master Plan Developed
- ❑ City's Existing Water System
- ❑ Questions

Planning Framework



State Planning Goal 9:

Economic Development

- ❑ Goal 9 states that plans should designate the type and level of public facilities and services appropriate to support economic development.
- ❑ The Water Master Plan helps the City meet Goal 9 guidelines for public facilities and services.

State Planning Goal 11:

Public Facilities

- ❑ Cities must plan and carry out a timely, orderly and efficient arrangement of public facilities to serve urban development.
- ❑ Goal 11 covers the local water, sanitary sewer, storm drainage and transportation systems.
- ❑ The Water Master Plan helps the City meet the Goal 11 requirements for the local water system.

State Planning Goal 14:

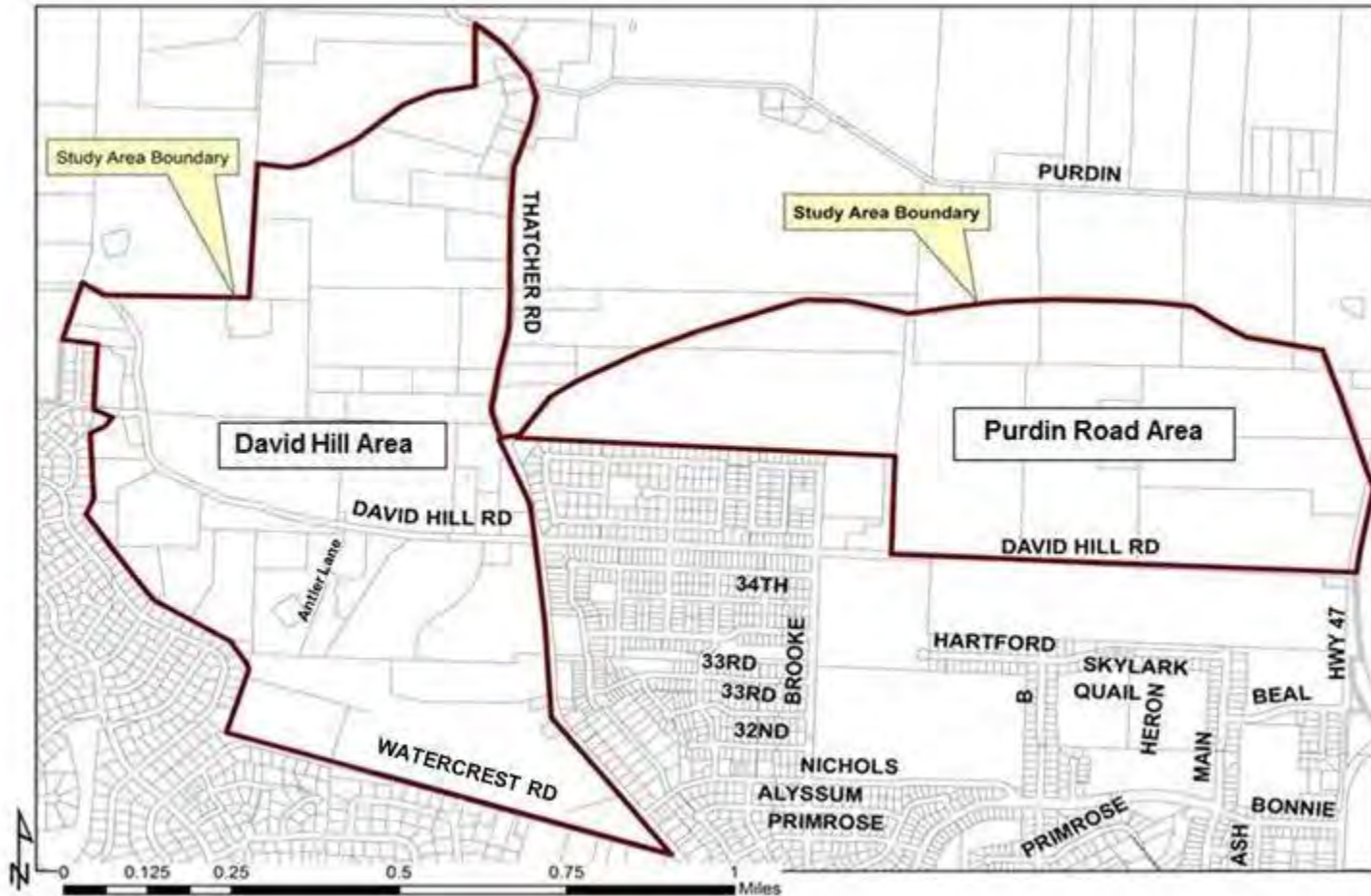
Urbanization

- ❑ Guidelines for Goal 14 states the type, location and phasing of public facilities are factors which should be used to direct urban expansion.
- ❑ The Water Master Plan helps the City meet the Goal 14 guidelines.

Forest Grove Comprehensive Plan

- ❑ The Comprehensive Plan demonstrates local compliance with the State Planning Goals.
- ❑ The Comprehensive Plan includes policies for State Planning Goal 11 and the City's water system. Several are noted below:
 - ❑ A master plan including a prioritized list of capital improvements shall be adopted for provision of water service. This plan shall be based on future land use policies and needs.
 - ❑ The sizing of municipal water facilities shall follow land use plan designations.
 - ❑ The master plan element of the Comprehensive Plan shall include adequate provision of facilities for industrial use.

Westside Refinement Plan



Westside Refinement Plan

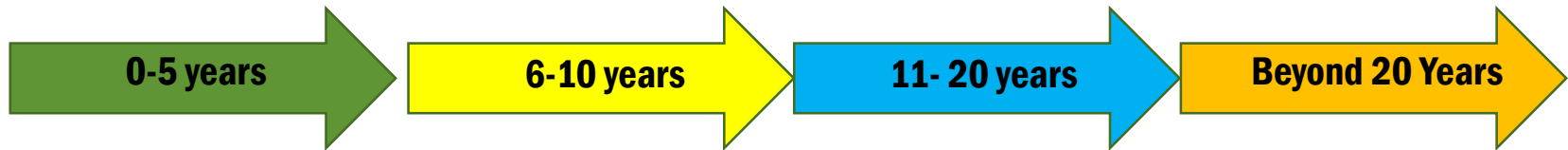
- ❑ Adopted in 2017, the Westside Refinement Plan provides more detail than the Comprehensive Plan for land use and public facilities in the City's David Hill and Purdin Road urban growth areas.
- ❑ The Westside Plan identified about \$14 million in needed water system improvements for the Westside area updated to current dollars.
- ❑ Water system improvements identified in the Westside Plan were considered further in the current Water Master Plan update.

Housing Needs Analysis & Economic Opportunities Analysis

- ❑ The 2019 Housing Needs Analysis and Economic Opportunities Analysis update the residential and employment land need projections included in the 2014 Comprehensive Plan.
- ❑ As part of the Comprehensive Plan, the water demand assumptions for the Water System Master Plan should be consistent with the Housing Needs Analysis and Economic Opportunities Analysis.

What is a Water Master Plan

- ❑ Planning Document that determines:
 - ❑ What to do
 - ❑ When to do it
- ❑ Consists of the following Components
 - ❑ Forecasts future water demands
 - ❑ Evaluates water supply
 - ❑ Develops capital improvement plan

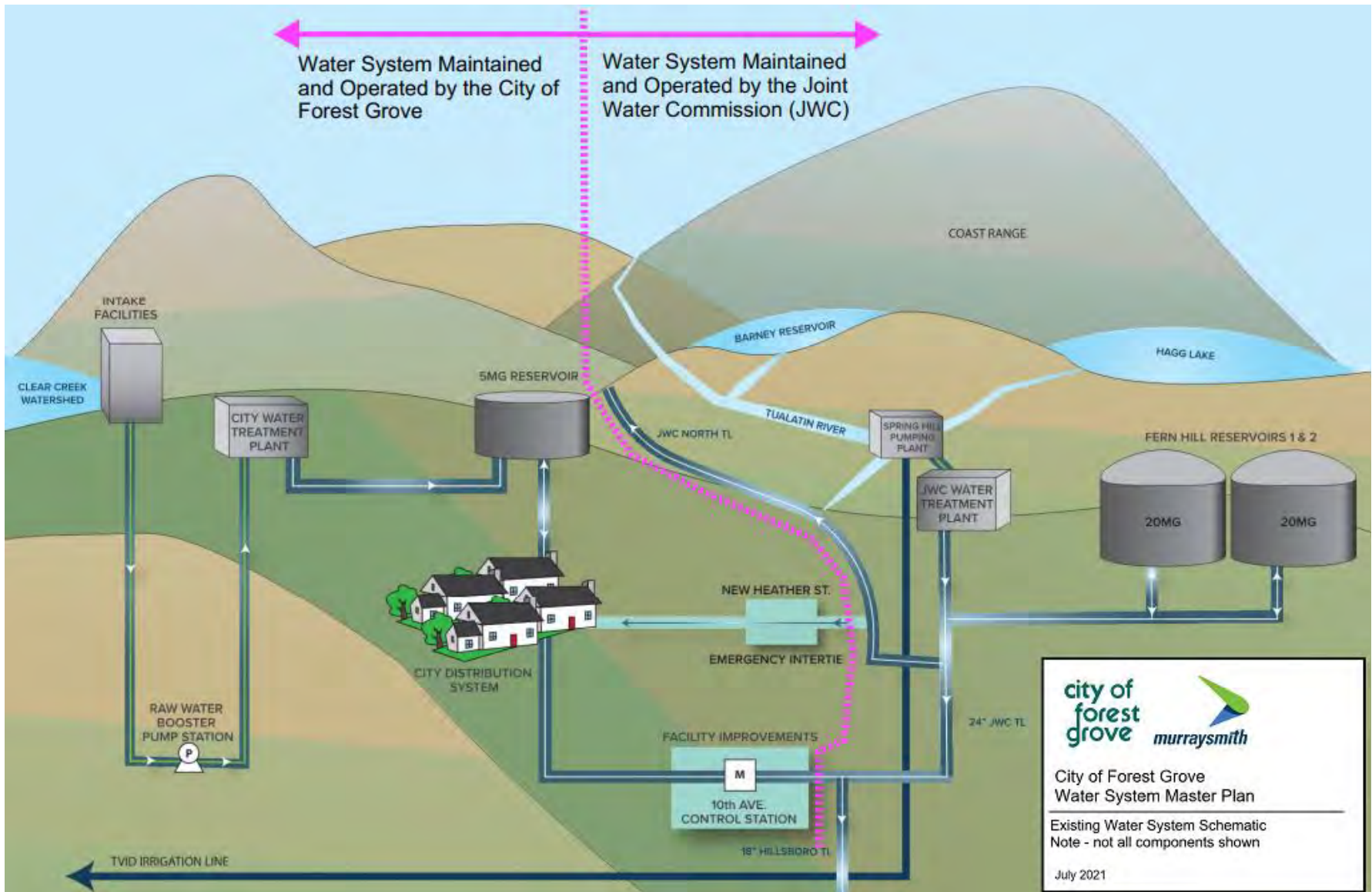


- ❑ Provides basis for financial planning

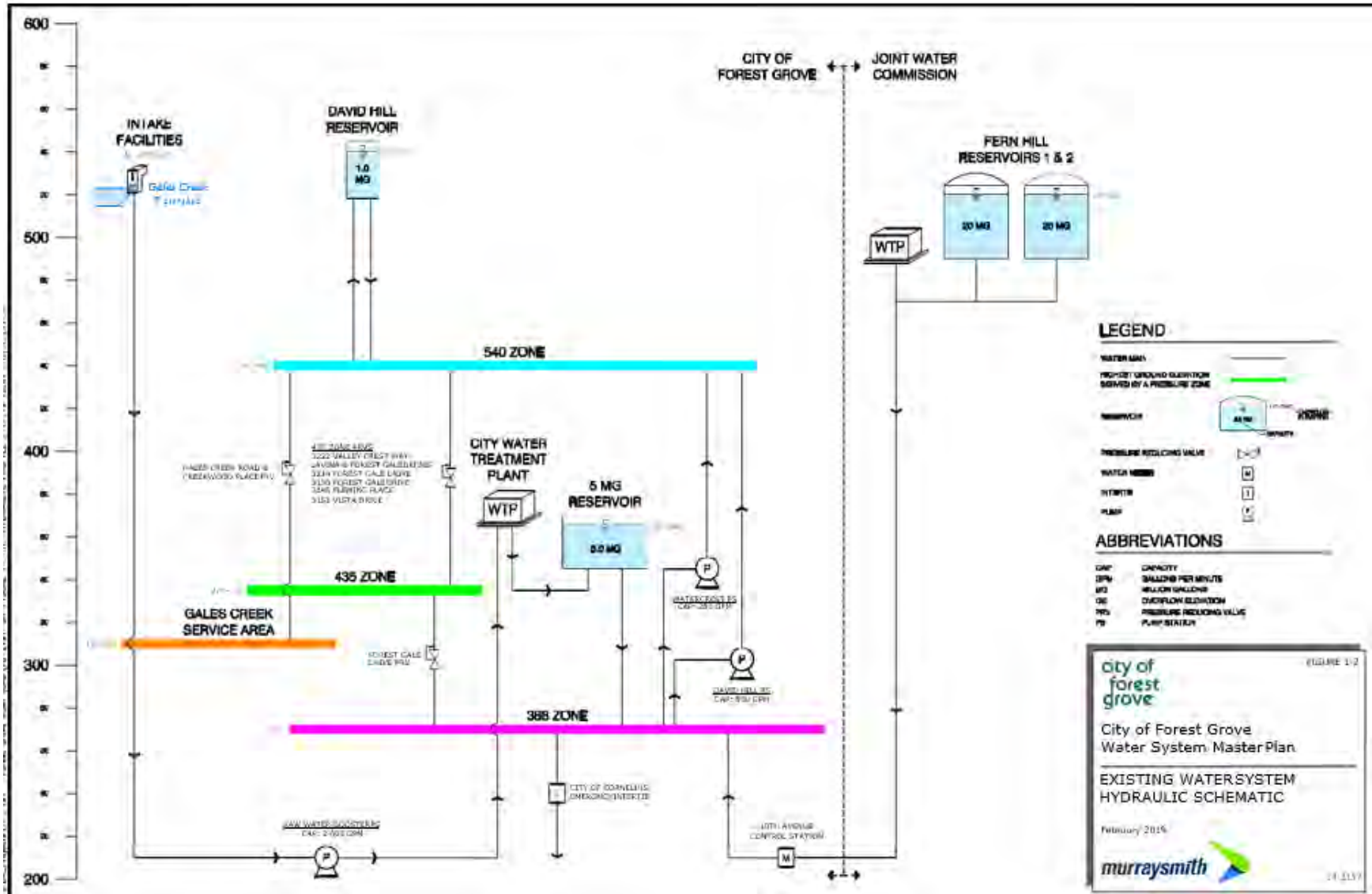
Developing the Water Master Plan

- ☐ Define the existing system
- ☐ Develop population projections
- ☐ Develop growth projections for commercial, industrial, etc.
- ☐ Develop future water system demands
- ☐ Evaluate raw water supply
- ☐ Evaluate water distribution system
- ☐ Seismic evaluation of the water system
- ☐ Develop Capital Improvement Program

Existing Water System



Existing Water System Diagram



Next Steps

- ☐ Finalize Draft Water Master Plan (WMP)
- ☐ Present WMP to Joint City Council and Planning Commission Work Session
- ☐ Seek Planning Commission Recommendation to City Council For Adoption of WMP
- ☐ City Council 1st Reading of Ordinance for Adoption of WMP
- ☐ City Council 2st Reading of Ordinance and Adoption of WMP
- ☐ Submit Adopted WMP to Oregon Health Authority
- ☐ Rate and SDC Financial Analysis

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