

# CITY OF TROUTDALE

"Gateway to the Columbia River Gorge"

## AGENDA

### CITY COUNCIL – WORK SESSION

Troutdale City Hall - Council Chambers  
219 E. Historic Columbia River Hwy. (Lower Level, Rear Entrance)  
Troutdale, OR 97060-2078

Tuesday, May 20, 2014

Immediately following the Urban Renewal Agency Work Session, which starts at 6:30pm

Mayor

Doug Daoust

City Council

Norm Thomas

Glenn White

David Ripma

Rich Allen

Eric Anderson

John L. Wilson

City Manager

Craig Ward

City Attorney

David J. Ross

1. Roll Call
2. A discussion on the proposed ordinance adopting a new Public Facilities Plan, and the ordinance adopting text amendments to the Comprehensive Land Use Plan Goal 11.
3. Adjourn

Doug Daoust, Mayor

Dated: 5/15/14

Further information and copies of agenda packets are available at: Troutdale City Hall, 219 E. Historic Columbia River Hwy., Monday through Friday, 8:00 a.m. - 5:00 p.m.; on our Web Page [www.troutdaleoregon.gov](http://www.troutdaleoregon.gov) or call Debbie Stickney, City Recorder at 503-674-7237.

The meeting location is wheelchair accessible. A request for an interpreter for the hearing impaired or for other accommodations for persons with disabilities should be made at least 48 hours before the meeting to: Debbie Stickney, City Recorder 503-674-7237.



# **City of Troutdale**

## **Executive Department**

# **Memorandum**

**Date:** May 15, 2014  
**To:** Mayor and Council  
**From:** Craig Ward, City Manager  
**RE:** May 20, 2014 Work Session

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At the May 13, 2014 City Council meeting the Council, by way of a motion, directed staff to schedule a work session to further discuss the ordinance adopting the Public Facilities Plan, as well as the ordinance that adopts text amendments to the Comprehensive Land Use Plan, Goal 11.

Included in this packet are copies of the staff reports and proposed ordinances that were provided in your May 13<sup>th</sup> meeting packet.



# CITY OF TROUTDALE



## STAFF REPORT

**SUBJECT / ISSUE:** An ordinance adopting a new Public Facilities Plan as an implementing element of Comprehensive Land Use Plan Goal 11 Public Facilities and Services in partial fulfillment of Periodic Review Task 3.

**MEETING TYPE:**  
City Council Regular Mtg.

**MEETING DATE:** May 13, 2014

**STAFF MEMBER:** Craig Ward  
**DEPARTMENT:** Community Development

**ACTION REQUIRED**  
Ordinance - Adoption

**ADVISORY COMMITTEE/COMMISSION RECOMMENDATION:**  
Approval

**PUBLIC HEARING**  
Yes

**Comments:** Both the Citizen Advisory Committee and the Troutdale Planning Commission recommend adoption.

**STAFF RECOMMENDATION:** Adoption.

### EXHIBITS:

- A. Planning Commission Findings of Fact and Recommendation of March 19, 2014
- B. City of Troutdale 1990 Public Facilities Plan Ordinance No. 543-O adopted April 10, 1990 and the PFP Table of Contents and Section 1 Policies *only*.

### Subject / Issue Relates To:

Council Goals                       Legislative                       Other (describe)

### Issue / Council Decision & Discussion Points:

- ◆ The tasks that the City must complete as part of periodic review are governed by its approved periodic review work program. DLCD approved the City's work program on April 15, 2010. The approved work program includes tasks related to statewide planning Goal 11, Public Facilities and Services.

Reviewed and Approved by City Manager:

- ◆ Per Oregon Administrative Rules, a public facility plan is required to address facilities associated with a municipality's water, wastewater, stormwater and transportation systems.

### **BACKGROUND:**

The City has been in periodic review since the initial notification from the Oregon Department of Land Conservation and Development (DLCD) on May 20, 2008. The tasks that the City must complete as part of periodic review are governed by its approved periodic review work program. DLCD approved the City's work program on April 15, 2010. The approved work program includes tasks related to statewide planning Goal 11, Public Facilities and Services. Specifically identified as Task 3 of the work program, the City is required to prepare and adopt a Public Facilities Plan in accordance with Statewide Land Use Planning Goal 11 and Oregon Administrative Rule 660-011-0010-45.

With funding from a DLCD periodic review assistance grant, the City hired a consultant to perform several remaining tasks of our work program, including Task 3. Since June 2012, the consultant, Angelo Planning Group, has been researching and gathering information, preparing technical memoranda, and preparing drafts of the document. The consultant presented their major findings and recommendations to the Citizens Advisory Committee for review and recommendation at the CAC's October 2012 and February 2013 meetings and to the Planning Commission on May 29, 2013 and March 19, 2014.

At its last periodic review in 1990 the City also prepared a Public Facilities Plan (that Ordinance, the Table of Contents and Policy Chapter are Exhibit B), but that document went unnoticed and unused in the years since then and was only recently discovered. The 1990 plan is seriously outdated and deficient in meeting present statutory requirements, so the proposed new plan is an entire rewrite with the exception of carrying over some of the goals and policies from the previous document.

### Explanation of proposed plan

The Public Facilities Plan helps assure that urban development within a municipality's boundaries is guided and supported by types and levels of urban facilities and services commensurate with the community's needs, and that facilities and services are provided in a timely, orderly and efficient manner.

Per Oregon Administrative Rules, a public facility plan is required to address facilities associated with a municipality's water, wastewater, stormwater and transportation systems. Additional public facilities and services provided to the community's residents and businesses (e.g., libraries, police, fire and administrative services) may also be addressed in the plan, but do not carry the level of importance or the details required of the aforementioned utility services.

The information in the Public Facilities Plan is primarily based on the City's most recently updated, and in some cases adopted, Master Plans for Water, Sanitary Sewer and Stormwater, along with more up-to-date information about the status and cost of needed future facilities, where available. Information related to transportation facilities is contained in the City's Transportation System Plan, which is being updated under a different periodic review task.

The various master plans that provided the basis for the Public Facilities Plan are:

- City of Troutdale Water Master Plan (2012)
- City of Troutdale Water Management and Conservation Plan (2004)
- North Troutdale Storm Drainage Master Plan (2007)
- South Troutdale Storm Drainage Master Plan (2012)
- City of Troutdale Sanitary Sewer Master Plan (2014)

Because this plan is a composite of these individual master plans, substantive changes to the document would likely create conflicts with the base plans.

### Summary of the plan elements

#### Goals and Policies (pp. 2-5)

This section of the document is a compilation of goals and policies taken from the 1990 Public Facilities Plan (some without change; others with modifications), from the various master plans listed above, and the addition of new ones. The goals and policies offer guidance in providing efficient and effective urban services and to protect natural resources.

#### Facility Descriptions and Future Needs (pp. 6-12)

This section is derived from information in the water, sanitary sewer and stormwater master plans. It provides a broad overview and description of these utility systems and highlights the future planning and facility needs discussed in those various documents.

#### Capital Improvement Plan (CIP) and Project Maps (pp. 13-17)

This section identifies water, sanitary sewer and stormwater infrastructure investments to accommodate expected growth and development over the next 20 years. Table 4-1 of the plan summarizes the costs of planned infrastructure improvements according to short, medium and long term timeframes. A detailed list of all planned public facility projects associated with the three utility systems is shown in Appendix A to the Plan. It includes the location, estimated cost, source of funding, and anticipated timeframe for each capital improvement project. The projects are shown visually in the three CIP maps. The Planning Commission's recommendation to the Council was that sewer line extensions within SE Jackson Park Road (private portion) and East Historic Columbia River Highway not be included in the PFP, and so those were removed from the draft it recommends be adopted.

#### Financing and Implementation Plan (pp. 18-19)

This section briefly discusses the financial resources Troutdale utilizes to pay for infrastructure development and ongoing maintenance needs. It also discusses increases to certain fees and charge that will be needed in order to fully fund all of the identified improvement projects.

#### Additional Public Facilities and Services (pp. 20-22)

This section gives a short explanation of the other public facilities and services that the City provides or coordinates with other public agencies and private entities. These include those related to parks and recreation, police, fire, education, libraries, power and telecommunication utilities, administration and other activities.

Appendix A - Capital Improvement Plan Projects (pp.25-27)

The appendix to the plan contains the complete list of planned water, sanitary sewer and stormwater projects as identified in the adopted master plans for these systems. Including this list of projects within the Public Facilities Plan does not obligate the City to build the projects or to meet the timeframe listed for the projects, although it would be the City's intent to do so. The list is included here to show anticipated infrastructure needs based on known regulatory requirements and current assumptions about growth and the direction of future development.

Special note on the draft Public Facilities Plan (PFP)

As stated previously, the contents of the PFP are primarily derived from the City's Master Plans for Water, Sanitary Sewer and Stormwater.

Relevant criteria

Adoption of a Public Facilities Plan as an implementing element of the Troutdale Comprehensive Plan is equivalent to amending the text of the Comprehensive Plan. Section 15.050 of the Troutdale Development Code establishes the following approval criteria for evaluating comprehensive plan amendments.

1. For Comprehensive Plan text amendments, compliance with the Statewide Land Use Goals and related Administrative Rules.

Adoption of a Public Facilities Plan is a required task of the City's periodic review work program. The document has been prepared in accordance with Statewide Land Use Planning Goal 11 and its related administrative rule; therefore, it logically and necessarily satisfies this approval criterion.

2. Public need is best satisfied by this particular change.

The public need that is addressed by adoption of this Plan is providing a composite of the various master plans and related documents pertaining to the City's water, sanitary sewer and stormwater systems. This plan supplements the more detailed facility plans that will guide the City's actions to accommodate expected growth for the next twenty years. It also addresses and fulfills the statutory requirements of State Planning Goal 11, Public Facilities and Services.

3. The change will not adversely affect the health, safety and welfare of the community.

Adoption of this plan provides further guidance for the City to accommodate future growth and will not adversely affect the health, safety and welfare of the community. The Public Facilities Plan addresses current conditions and future needs in order to foster positive benefits for the community.

4. In the case of Development Code amendments, the particular change does not conflict with applicable Comprehensive Plan goals or policies.

The proposed Public Facilities Plan pertains only to the Comprehensive Plan and not to the Troutdale Development Code; therefore, this criterion does not apply.

**PROS & CONS:**

Pros:

- Adoption fulfills part of Periodic Review Task 3.

Cons

- None.

**Current Year Budget Impacts**  Yes (*describe*)  N/A

**Future Fiscal Impacts:**  Yes (*describe*)  N/A

As the Public Facilities Plan is implemented there will be costs to the City that will be addressed within annual Capital Improvement plans.

**City Attorney Approved** N/A  Yes

**Community Involvement Process:**  Yes (*describe*)  N/A

All meetings before the Citizens Advisory Committee and the Planning Commission were open to the public. No comments from the public at those meetings were received.

**PLANNING COMMISSION  
FINDINGS of FACT AND RECOMMENDATION  
March 19, 2014**

**Periodic Review Legislative Amendments to the Troutdale Comprehensive Land Use Plan,  
Goal 11 Public Facilities and Services**

**Proposed Public Facilities Plan**

The Troutdale Planning Commission held public hearings on May 29, 2013 and March 19, 2014 to take public testimony and to make a recommendation to the City Council concerning adoption of a proposed Public Facilities Plan as an implementing element of the Troutdale Comprehensive Land Use Plan and to satisfy requirements of the City's periodic review work program. At its March 19, 2014 meeting, a motion was made and seconded that the Planning Commission reopen its hearing in this matter to reconsider its Findings Of Fact and Recommendation to the Council based upon new information considered at a special meeting on October 16, 2013 in which they discussed the Sanitary Sewer Master Plan. The Planning Commission recommended approval of the Sanitary Sewer Master Plan to the City Council with removal of the Jackson Park Road Project and the East Historic Columbia River Highway Plan Project to be consistent with removal of those projects from the PFP. Having provided the opportunity for the public to express their views on the proposal, the Planning Commission now makes and enters the following findings of fact together with its recommendation to the Council for action.

**FINDINGS OF FACT**

1. The City has been in periodic review since the initial notification from the Oregon Department of Land Conservation and Development (DLCD) on May 20, 2008. The tasks that the City must complete as part of periodic review are governed by its approved periodic review work program. DLCD approved the City's work program on April 15, 2010.
2. The City's approved work program includes tasks related to statewide planning Goal 11, Public Facilities and Services. Specifically identified as Task 3 of the work program, the City is required to prepare and adopt a Public Facilities Plan in accordance with Statewide Land Use Planning Goal 11 and Oregon Administrative Rule 660-011-0010-45.
3. The City hired a consultant to prepare the Public Facilities Plan which is primarily based on the City's most recently updated and adopted Master Plans for Water and Stormwater, and the Sanitary Sewer Master Plan. Where available, more up-to-date information about the status and cost of needed future facilities has been used.

4. The Citizens Advisory Committee reviewed and discussed the major elements of this Plan in October 2012 and February 2013. The CAC supported the Plan and has referred it to the Planning Commission for approval.
5. Adoption of a Public Facilities Plan is a required task of the City's periodic review work program. The last Public Facilities Plan (Ordinance No. 543-O) was adopted April 10, 1990, during the last periodic review. The document has been prepared in accordance with Statewide Land Use Planning Goal 11 and its related administrative rule; therefore, it logically and necessarily complies with this State Planning Goal.
6. The public need is satisfied by adoption of this Plan because it provides a composite of the various master plans and related documents pertaining to the City's water, sanitary sewer and stormwater systems. This plan supplements the more detailed facility plans that will guide the City's actions to accommodate expected growth for the next twenty years.
7. Adoption of this Plan provides further guidance for the City to accommodate future growth and will not adversely affect the health, safety and welfare of the community. The Plan addresses current conditions and future needs in order to foster positive benefits for the community.
8. Notice of the public hearing has been provided in accordance with applicable law.
9. At its May 29, 2013 hearing the Planning Commission had substantial concerns regarding the population forecast model input and subsequent results.
10. At its May 29, 2013 hearing, the Planning Commission requested that sanitary sewer line extensions 3 and 4 as listed on page 26 of the May 20, 2013 draft of the PFP be excluded from the project list.
11. The Planning Commission closed the May 29, 2013 hearing in the matter and a motion to recommend the Public Facilities Plan with amendments was made. The first motion failed with a tie of 3 yes and 3 no. The motion was reconsidered and the vote was 4 yes and 2 no. At its March 19, 2014 meeting, a motion was made and seconded that the Planning Commission reopen its hearing in this matter to reconsider its Findings Of Fact and Recommendation to the Council based upon new information considered at a special meeting on October 16, 2013 in which they considered the Sanitary Sewer Master Plan. The Planning Commission recommended approval of the Sanitary Sewer Master Plan with removal of the Jackson Park Road Project and the East Historic Columbia River Highway Plan Project to be consistent with its request that those projects be removed from the PFP. The amendments requested to the PFP at its May 29, 2013 hearing included the following:

- a. At the Planning Commission's motion of May 29, 2013 hearing to amend the findings to move an amended paragraph from page 13 of the draft PFP into the Purpose Statement as the second-to-last paragraph on page 1 was made and seconded. The motion passed 5 to 1. The amended paragraph is to read:

*It should be noted that there is no obligation on the part of the City to build the projects as described in the PFP or to meet the timeframe listed for the projects. The project list may be included as part of the Comprehensive Plan to show anticipated infrastructure needs based on known regulatory requirements and current assumptions about growth and the direction of future development. The list is intended only to provide a general indications of the facilities needed to support future growth. If growth trends change, or if new regulations re imposed on the City, or if technologies emerge that satisfy needs using different methods than those assumed in master plans, the City may revise its public facilities investment strategy without amending the Comprehensive Plan or PFP.*

The Planning Commission finds that the PFP document has been amended to match the motion.

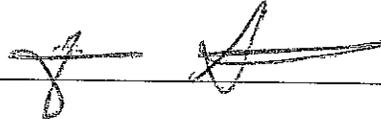
- b. At the Planning Commission hearing of May 29, 2013, a motion to amend item 7.6 Schools was made and seconded and passed 5 to 1. The amendment changes the text to read: *The Reynolds School District, the Gresham-Barlow School District, and Mt. Hood Community College....*

The Planning Commission finds that the PFP document has been amended to match the motion.

12. The Planning Commission recognizes and affirms that the contents of the PFP are primarily derived from the City's Master Plans for Water, Sanitary Sewer and Stormwater already adopted by the City Council.
13. The Planning Commission further acknowledges that there may be need to modify the Plan to correct spelling errors, for improved consistency throughout the document, and for clarity of meaning. Consequently, the document that is forwarded to the City Council may include a number of nonsubstantive changes that the Planning Commission has not reviewed but directs to staff. The Plan that ultimately goes to the City Council for adoption, shall be in substantial form with the one approved by the Planning Commission.

**RECOMMENDATION**

In view of the above findings of fact, the Planning Commission recommends that the Troutdale City Council adopt the proposed Public Facilities Plan dated February 5, 2014 (Exhibit A) that reflects the revision requested by the Planning Commission on May 29, 2013 and reaffirmed on March 19, 2014, as an implementing element of the Comprehensive Land Use Plan in partial fulfillment of Periodic Review Task 3.



Tanney Staffenson, Chair  
Troutdale Planning Commission



Date

**EXHIBIT A**

**DRAFT PUBLIC FACILITIES PLAN  
DATED FEBRUARY 5, 2014**

This document is Attachment A of the Ordinance

EXHIBIT B

CITY OF  
TROUTDALE  
PUBLIC FACILITIES  
PLAN

Ordinance No. 543-O  
Adopted April 10, 1990

ORDINANCE NO. 543-0

AN ORDINANCE ACCEPTING THE CITY'S PUBLIC FACILITIES PLAN AND AUTHORIZING ITS TRANSMITTAL TO THE STATE OF OREGON FOR REVIEW AND APPROVAL.

WHEREAS, cities in the State of Oregon are required, as part of their Periodic Review Process, to prepare "Public Facilities Plans" in accordance with State House Bill #2295 (1983) and OAR 6660-11-00 (October 1984); and

WHEREAS, the purpose of a Public Facilities Plan is to ensure that the requirements of the Oregon Department of Land and Conservation Division (DLCD) Goal 11 (water, storm, sanitary sewer and transportation facilities) are adequately addressed and implemented in urban areas; and

WHEREAS, the Troutdale Citizens Advisory Committee held public meetings and discussed the Public Facilities Draft Plan and recommended its approval to the Planning Commission; and

WHEREAS, the Troutdale Planning Commission held a public hearing on February 21, 1990, and recommended its adoption to the Troutdale City Council;

WHEREAS, the Troutdale City Council held a public hearing on March 13th, 1989; and

WHEREAS, it is in the best interest of the City of Troutdale to adopt the Draft Plan and forward it to the State of Oregon for review and concurrence accordingly.

NOW, THEREFORE, BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF TROUTDALE THAT:

1. The Public Facilities Plan be transmitted to the State of Oregon as required by statute for review and approval.
2. Staff continue to update this plan with historical, inventory and factual data.
3. Staff be allowed to modify the plan element sections with full hearing and concurrence of the Troutdale Planning Commission and City Council.

PASSED BY THE COMMON COUNCIL OF THE CITY OF TROUTDALE THIS  
10TH DAY OF APRIL, 1990.

YEAS 6

NAYS 0

ABSTAINED 0

Sam K Cox  
Sam K. Cox, Mayor

Date Signed April 11, 1990

ATTEST:

Valerie J. Raglione  
Valerie J. Raglione  
City Recorder

PW85:3

CITY OF TROUTDALE  
DRAFT  
PUBLIC FACILITIES PLAN

PROJECT STAFF

GREG WILDER, DIRECTOR OF PUBLIC WORKS  
GERARDO ORTEGA, ENGINEERING TECHNICIAN  
MARION BERG, DEPARTMENT SECRETARY

FEBRUARY 13, 1990

CITY COUNCIL 1990

SAM K. COX, MAYOR

MARJORIE SCHMUNK  
PAUL THALHOFER  
RON BURGIN

GENE BUI  
SHARLYN JACOBS  
HARRY FOWLER

PLANNING COMMISSION

WALTER POSTLEWAIT, PRESIDENT  
BRUCE THOMPSON, VICE PRESIDENT

DON LABARRE  
GARY STONEWALL  
DALTON WILLIAMS

LARRY NICHOLAS  
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SUZANNE BARKER, DEVELOPMENT TECHNICIAN  
KATHY CROWDER, CLERK

BRENT COLLIER, CHIEF OF POLICE

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    .550       AIR

    .560       SUPPORT FACILITIES AND SERVICES

SECTION 1

P O L I C I E S

## PUBLIC FACILITIES PLAN

- 1.000 POLICY(S)
- .100 GENERAL
- .110 FINDINGS SUMMARY

The City of Troutdale experienced rapid growth in the mid through late 1970's. See chart "Population Analysis & Projections." Since that time, growth has been moderate averaging some 30 to 40 dwelling units a year. However, recent commercial and industrial activity has created demands for new facilities.

The City's pro-active posture towards development and expansion has required the construction and installation of the facilities and infrastructure necessary to provide service to all those properties west of the Sandy River within our jurisdictional boundaries. Recent annexation activity has resulted in an expanded land base not yet provided adequate services. Current development pressures on this recently annexed property call for a planned and systematic extension of service(s).

The City's existing infrastructure is relatively new and very little short term consideration is needed for replacement projects. The City has, however, replaced some of its existing facilities that were technically substandard. Additional wastewater treatment plant capacity and associated facilities will be required prior to 1994.

The ability of the City to provide adequate levels of water, sewer, drainage and transportation services to the community is a tool that encourages development. Inadequate services and planning serve the opposite. Troutdale, via its pro-active policies for development and expansion, provides a superior level of service in all its public facilities. Current wastewater treatment and drainage planning efforts will insure this posture both in the short and long term growth of the City.

.120 POLICY STATEMENT

It is the policy of the City of Troutdale to provide advance construction of major public facilities including water, sewerage services, surface water drainage, and access. It is also the City's policy that the cost of providing these services shall be provided in the most cost effective manner and equitably distributed through the recipients of such services via system development charges, direct construction requirements of local benefit, easement and rights-of-way dedication, etc.

.130 IMPLEMENTATION STRATEGIES

.131 The City will be the primary planner and provider of facilities and services to the general population, homes, developments and businesses as follows:

- A. Water supply, storage and distribution.
- B. Sanitary sewer collection.
- C. Transportation (roads, mass transit, bicycle paths).<sup>1</sup>
- D. Drainage (both point and non-point sources of surface and ground water).<sup>2</sup>

.132 The City will monitor, coordinate and regulate, where appropriate, the following as they affect the residents, homes, developments and businesses in the community:

- A. Utilities (electrical, telephone, natural gas, cable television, etc.).
- B. Transportation facilities (mass transit, rail and air).<sup>3</sup>
- C. Solid waste collection.
- D. Other necessary public facilities located within the City.

.133 The City's Development Standards document will require that adequate facilities exist or can be provided as part of any development proposal prior

to issuing development permits. The "phased" issuance of permits pending the proposed construction or extension of facilities will be allowed. No final certificate of occupancy, however, will be issued until all required facilities and services have been constructed and placed in service.

.134 A development may be required to extend, modify, improve or otherwise construct additional facilities necessary to serve their needs. The City will actively work with an approved development proposal to expedite the construction of these facilities and will, as long as existing bonding capacity allows, work with potential developers and developments for funding mechanisms such as local improvement districts, capital monies set aside through the collection of system development charges, revenue bonds, general obligation bonds, etc.

Foot-  
notes

1) For local facilities and in cooperation and coordination with the State, Metro and County for regional facilities.

2) For local facilities and in cooperation and coordination with other affected jurisdiction, and the Sandy Drainage District.

3) For local facilities and in cooperation and coordination with Metro, the Port of Portland and heavy rail service providers.

.140 CAPITAL IMPROVEMENT PROGRAM

A. PURPOSE

The City shall develop, maintain, review and adhere to a Capital Improvement Program designed to:

- Protect the Health, Safety, and Welfare of its citizens, business owners, and properties.
- Further the policies of its Comprehensive Development Plan.
- Support the established levels of service and improve the service levels as is economically viable.

- Provide methods and procedures for the equitable distribution of costs in accordance with the benefits received.

## B. CONTENTS

The City's Capital Improvement Plan shall include the following major elements:

- A Facilities Plan containing the master plan(s) for: water supply, storage and distribution; drainage systems and facilities; wastewater collection, treatment and sludge disposal; transportation facilities including road systems, mass transit, bike paths, hiking trails, etc.; park and greenway facilities; all other capital systems or facilities the City anticipates it will need by the year 2005. This plan shall also prescribe the timing of the construction for those elements set forth for the duration of the planning period.
- The Capital Investment Program shall describe the methods and procedures used to implement the Facilities Plan. These methods shall include any regulatory issues and requirements, organizational and financial techniques, etc. The Plan shall also include methods and procedures for a Periodic Review and update of the Plan and any of its components.

## C. EXCEPTIONS

Public Facilities and Capital Investment plans and programs are designed to serve the will of the people, the policies of the Council and to encourage input and participation. There are, however, day to day exceptions and modifications required for the successful staff level administration of these plans and programs, and these exceptions will be allowed generally as follows:

- Administrative changes or modifications to a project which are minor in nature and do not significantly impact the integrity of the project or its general description, location, sizing, capacity or other general characteristics established.

- Technical or environmental modifications brought about by federal, state, county or city regulatory changes that have a direct impact on any proposed project.

#### D. REVIEW AND ACCEPTANCE

The City Administrator or designated officer shall review designs, approve plans, inspect construction and recommend the acceptance of public improvements to the City Council. The City Administrator may establish administrative guidelines, policies and procedures to protect the health, welfare and safety of its employees and citizens.

## ORDINANCE NO.

### AN ORDINANCE ADOPTING A NEW PUBLIC FACILITIES PLAN AS AN IMPLEMENTING ELEMENT OF COMPREHENSIVE LAND USE PLAN GOAL 11 PUBLIC FACILITIES AND SERVICES IN PARTIAL FULFILLMENT OF PERIODIC REVIEW TASK 3.

#### THE TROUTDALE CITY COUNCIL FINDS AS FOLLOWS:

1. The City has been in periodic review since the initial notification from the Oregon Department of Land Conservation and Development (DLCD) on May 20, 2008. The tasks that the City must complete as part of periodic review are governed by its approved periodic review work program. DLCD approved the City's work program on April 15, 2010.
2. The City's approved work program includes tasks related to Statewide Planning Goal 11, Public Facilities and Services. The last Public Facilities Plan (Ordinance No. 543-O) was adopted April 10, 1990, during the last periodic review. As such, specifically identified as Task 3 of the work program, the City is required to prepare and adopt a Public Facilities Plan in accordance with Statewide Land Use Planning Goal 11 and Oregon Administrative Rule 660-011- 0010-45.
3. The City hired a consultant to prepare the Public Facilities Plan which is primarily based on the City's most recently updated and adopted Master Plans for Water and Stormwater, and the Sanitary Sewer Master Plan. Where available, more up-to-date information about the status and cost of needed future facilities has been used.
4. The Citizens Advisory Committee reviewed and discussed the major elements of this Plan in October 2012 and February 2013. The CAC supported the Plan and referred it to the Planning Commission for approval.
5. The Troutdale Planning Commission held public hearings on May 29, 2013 and afforded the opportunity for public testimony. No citizens spoke or provided written comments at that hearing. The Planning Commission identified some concerns with the draft Plan but passed a recommendation for approval with changes to the draft it had considered.
6. Subsequent to the May 29, 2013 action of the Planning Commission, a special meeting of the Planning Commission was held on October 16, 2013, to consider the proposed updated Sanitary Sewer Master Plan. Verbal and written testimony from citizens was taken at that meeting. Objections to plans to extend sanitary sewer down the private part of SE Jackson Park Road and on East Historic Columbia River Highway east of the Sandy River were raised. Following that meeting, the Planning Commission recommended approval of the Sanitary

Sewer Master Plan to the City Council with removal of the Jackson Park Road and the East Historic Columbia River Highway projects and that they also be removed from the Public Facilities Plan.

7. Following the outcome of the special meeting of October 16, 2013, the Troutdale Planning Commission re-opened its hearing in the matter of the Public Facilities Plan on March 19, 2014 to update its findings in light revisions to the Public Facilities Plan draft identified on May 29, 2013 and October 16, 2013. The hearing was posted in the legal notices of the Gresham *Outlook* and citizens were provided an opportunity to comment: no citizens spoke or provided written comments prior to the close of the March 19, 2014 hearing. On March 19, 2014, the Planning Commission approved Findings of Fact recommending adoption of the proposed Public Facilities Plan as an implementing element of the Troutdale Comprehensive Land Use Plan and to satisfy requirements of the City's periodic review work program.
8. Adoption of the Public Facilities Plan satisfies the Comprehensive Land Use Plan text amendment criterion that Statewide Land Use Planning Goals are met. Adoption of a Public Facilities Plan is a required task of the City's periodic review work program which is part of Statewide Land Use Planning Goals. The Public Facilities Plan has been prepared in accordance with Statewide Land Use Planning Goal 11 and its related administrative rule; therefore it logically and necessarily complies with this Statewide Planning Goal.
9. Adoption of the Public Facilities Plan satisfies the Comprehensive Land Use Plan text amendment criterion that the public need is best satisfied by this particular change. The public need is satisfied by adoption of the Public Facilities Plan because it provides a composite of the various master plans and related documents pertaining to the City's water, sanitary sewer and stormwater systems. This Public Facilities Plan supplements the more detailed facility plans that will guide the City's actions to accommodate expected growth for the next twenty years. It also addresses and fulfills the statutory requirements of State Planning Goal 11, Public Facilities and Services.
10. Adoption of the Public Facilities Plan satisfies the Comprehensive Land Use Plan text amendment criterion that adoption of the Public Facilities Plan provides further guidance for the City to accommodate future growth and will not adversely affect the health, safety and welfare of the community. The Plan addresses current conditions and future needs in order to foster positive benefits for the community.

**NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF TROUTDALE**

Section 1. A new Public Facilities Plan is hereby adopted as shown in Attachment A.

**YEAS:  
NAYS:  
ABSTAINED:**

\_\_\_\_\_  
**Doug Daoust, Mayor**

Date \_\_\_\_\_

\_\_\_\_\_  
**Debbie Stickney, City Recorder**

**Adopted:**

**CITY OF TROUTDALE**  
**PUBLIC FACILITIES PLAN**



**REVISED DRAFT February 5, 2014**  
*With Revisions to the May 20, 2013 Draft Considered by  
the Planning Commission on May 29, 2013*

**Prepared by**

**Angelo**  
planning group

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## 1. Purpose Statement

Oregon Administrative Rules (OAR) 660-011-0010 through OAR 660-011-0045, relating to Statewide Planning Goal 11, require cities and counties in Oregon to develop and maintain Public Facilities Plans to help assure that urban development within their boundaries is guided and supported by types and levels of urban facilities and services appropriate for the needs and requirements of the community, and that facilities and services are provided in a timely, orderly and efficient arrangement. Public Facilities Plans also are intended to serve as a framework for development within a city's urban growth boundary (UGB).

The Troutdale Public Facilities Plan (PFP) is intended to further the purposes of Statewide Planning Goal 11. The PFP includes the following information:

- Goals and policies as part of the City's Comprehensive Plan to guide planning, constructing and financing public facilities.
- Narrative descriptions of existing and planned water, wastewater and storm drainage facilities.
- Capital improvement plan for future construction of facilities. The plan contains information about all facility costs, schedule and funding sources.
- General financing plan indicating how the City plans to finance current and planned facilities and services.

Per Oregon Administrative Rules, public facility plans are required to address facilities associated with water, wastewater, stormwater and transportation and that is the primary focus of this document. Additional public facilities and services provided to Troutdale residents (e.g., libraries, police, fire and administrative services) also are briefly described in Section 6 of this Plan, but in less detail.

The information in this plan is based on the most recently updated City Master Plans for Water, Wastewater and Stormwater, along with more up-to-date information about the status and cost of needed future facilities, where available. Information related to transportation facilities is found in the City of Troutdale's Transportation System Plan (2014) and hereby incorporated by reference in this Plan.

It should be noted that there is no obligation on the part of the City to build the projects as described in the PFP or to meet the timeframe listed for the projects. The project list may be included as part of the Comprehensive Plan to show anticipated infrastructure needs based on known regulatory requirements and current assumptions about growth and the direction of future development. The list is intended only to provide a general indication of the facilities needed to support future growth. If growth trends change, or if new regulations are imposed on the City, or if technologies emerge that satisfy needs using

different methods than those assumed in master plans, the City may revise its public facilities investment strategy without amending the Comprehensive Plan or PFP.

It is expected that this Plan will be revised in the future to reflect updates to specific master plans, significant proposals for new development within or outside the city that prompt the need for review of public facilities plans, or other similar factors or events.

## 2. Goals and Policies

The following are goals and policies and implementation measures as part of the City's Comprehensive Plan under the *Public Facilities and Services Element*. They are organized by general topic. These goals and policies are consistent with state law, existing City policies and practices, and facility master plan recommendations, and are intended to promote efficient and effective provision of urban services and to protect natural resources.

### General Goal and Policies

**Goal:** Ensure the cost-effective provision of water, wastewater, and surface water management facilities for property owners, residents and businesses within the urban growth boundary of Troutdale.

### Policies

1. Ensure that urban development is provided with adequate public services.
2. Promote efficient use of urban and urbanizable land through effective provision of adequate public facilities and services.
3. Adopt, periodically review and update long range master plans for the City's water, sewer, and storm drainage systems.
4. Adopt and periodically update the Public Facilities Plan, an implementing element of the Comprehensive Plan, for development of public services and facilities in conformance with the policies of the Comprehensive Plan.
5. Comply with state and federal regulations for utility systems.
6. Finance the provision of public facility improvements and expansions in an equitable manner through the use of system development charges, developer funded/constructed improvements, easement and rights-of-way dedication, and other appropriate funding tools.

### Water Supply and Distribution

**Goal:** The City of Troutdale shall provide reliable and efficient potable water supply, treatment and distribution services to meet the current and future needs of Troutdale residents, businesses and other system users in an orderly and sustainable manner.

## **Policies**

1. The City shall be the sole public water service provider to all users within the City limits.
2. The City will encourage development and annexation that makes orderly and efficient use of its water system capacity.
3. The City will provide for the advanced construction of facilities to allow for growth and development commensurate with the City's Comprehensive Land Use Plan as budget allows and only where private development is not reasonably expected to directly provide such facilities.
4. The City will base decisions to construct additional water facilities on the capital improvement project list included in this plan, consistent with the Water Master Plan, and as updated by the City Public Works Department through its annual capital improvement and work planning efforts.
5. The City will comply with all local, state and federal water quality and quantity standards and regulations.
6. The City will recover degraded operational source capacity in its existing wells to the extent feasible.
7. The City will protect the physical performance of the existing wells to maintain capacity and improve reliability.
8. The City will develop and protect its existing water rights.
9. The City will develop new source capacity, as needed, to meet future water demands consistent with the City's Water Master Plan.
10. The City will conduct system upgrades needed to improve flow distribution and pressure throughout the water system.
11. The City will continue to improve the resiliency of the water system in order to survive emergency incidents and natural disasters – particularly earthquakes.
12. The City will encourage programs and incentives to reduce unnecessary water consumption by customers of the City's water system.

## **Sanitary Sewer Collection and Treatment**

**Goal:** The City of Troutdale shall provide reliable and efficient sanitary sewer collection and treatment services to meet the current and future needs of Troutdale residents, businesses and other system users, and to protect the land and water resources of the City and State, in an orderly and sustainable manner.

## **Policies**

1. The City of Troutdale shall be the sole provider of public sanitary sewer collection and treatment services to all properties within the City limits.
2. The City will encourage development and annexation that makes orderly and efficient use of its wastewater collection and treatment system capacity.
3. The City will base decisions to construct additional wastewater treatment facilities on the capital improvement project list included in this plan, consistent with the Sanitary Sewer Master Plan and as updated by the City Public Works Department through its annual capital improvement and work planning efforts.
4. The City will continue its efforts to reduce inflow and infiltration into the wastewater collection system to the extent such reductions are documented to be cost-effective and/or required by State or Federal regulation.
5. The City will periodically update its Sanitary Sewer Master Plan to maintain current and relevant planning for provision of sanitary sewer facilities and services.
6. The City will monitor the flows to pump stations identified in the Sanitary Sewer Master Plan as having the potential need for future improvements and periodically assess the need to provide increased pumping capacity.

## **Storm Drainage Collection and Disposal**

**Goal:** The City of Troutdale shall provide a reliable and efficient storm drainage management system that reasonably limits risks to people, property and the environment from both the quantity and quality of the City's urban storm water runoff, in an orderly and sustainable manner.

## **Policies**

1. The City, in conjunction with Multnomah County, ODOT and the Sandy Drainage Improvement Company, will cooperatively provide storm water collection, treatment and discharge services to properties within the city limits.
2. The City will prepare and apply development methods and standards consistent with those established in the City's Storm Drainage Master Plans and other subsequent storm drainage planning efforts.
3. The City will work cooperatively with Multnomah County and the Sandy Drainage Improvement Company to establish and implement drainage plans for South Troutdale Basin (Beaver Creek and Sandy River) and North Troutdale Basin (Arata Creek, Salmon Creek and Columbia River).
4. Drainage plans for specific developments will favor onsite retention and infiltration over offsite discharge; provide treatment for water quality; provide for management of existing and projected on and off-site flows; emphasize the use of natural drainageways and systems; minimize the use of impervious surfaces; provide

drainage easements; incorporate on-site detention facilities, where appropriate; and implement other strategies identified in the City's Storm Drainage Master Plans and consistent with standards in the City's Development Code.

5. Drainage facilities and practices will comply with state and federal water quality standards and requirements.
6. The City will use parks, greenways and open spaces to help manage and mitigate the impacts of stormwater runoff and drainage on natural drainageways and storm drainage facilities.
7. The City will regulate development to prevent erosion, control and mitigate stormwater runoff and protect water quality.
8. The City will implement and apply erosion control standards and best practices to minimize discharge of sediments from construction sites.
9. New development will be designed to manage stormwater drainage on-site to the maximum extent feasible and limit storm drainage runoff outside project boundaries.
10. The City will implement community education and outreach to inform developers, property owners and other community members about stormwater management issues and steps they can take to reduce pollution related to stormwater runoff.
11. The City will continue to monitor the stormwater system to detect and eliminate illicit stormwater discharges.
12. The City will continue efforts to minimize stormwater pollution discharges related to municipal operations.

## **Transportation**

Goals and policies associated with transportation facilities are found in the City's Transportation System Plan and are hereby incorporated by reference.

## 3. Public Facilities System Descriptions

### 3.1 Water System

#### Overview

The City of Troutdale owns and operates a State-regulated municipal water system that consists of 64 miles of underground conveyance piping ranging from 2-inch to 12-inch in diameter, seven groundwater wells with approximately 6.3 MGD nominal combined production capability, four reservoirs with a total storage capacity of 6 million gallons, two booster pumping stations, and various other appurtenances. Water from the City's wells is chlorine-treated for taste and odor, but none of the wells require chlorination for disinfection. The City supplies all of its own water needs through its groundwater wells, but also maintains interties with the Cities of Gresham, Wood Village and Fairview for reciprocal emergency supply.

The City operates seven wells (2, 3, 4, 5, 6, 7 and 8). Most of the City's original water supply wells were installed between 1978 and 1981; Well 8 and Well 5 were subsequently added to the system in 1993 and 2007, respectively. Well #1 was taken out of service and disconnected many years ago due to TCE (trichloroethylene) contamination at the wellhead resulting from adjacent industrial activity, and is now maintained only for aquifer monitoring purposes. The City owns four on-line reservoirs, with two booster pump stations that provide additional pressure where needed.

The City's distribution system conveys water from the municipal wells, reservoirs, and pump stations to the customers and is divided into six pressure zones by pressure regulating valves (PRV's). Each pressure zone is interconnected to the next lower pressure zones through PRVs located within the distribution system. The PRVs are adjusted manually by the City operators to provide balanced flow and appropriate working pressures to the distribution network.

In 2012, the system served a population of about 16,000 residents with about 4,745 service connections, including approximately 4,400 residential, 175 commercial, 45 industrial, 15 community service, 70 fire-standby, and 40 irrigation accounts with an average day demand of 1.7 MGD and peak day demand of 3.7 MGD. The City does not currently provide water service east of the Sandy River, though that area does contain properties within the City limits.

#### Planning and Future Facility Needs

A **Water Management and Conservation Plan** was completed for Troutdale in 2005, pursuant to OAR 690-315 and OAR 690-086, in order to obtain relief from limitations imposed as part of an extension of two of the City's six water rights, which would have caused significant reductions in the City's water supply. The Oregon Water Resources Department (OWRD) declared that two of the City's water right permits have the "potential

for substantial interference with the nearest surface water source, namely Sandy River,” and thus limited water withdrawal under those rights.

The plan includes a description of the existing facilities at the time of the plan, projections of 20-year water needs, identification of resource issues, a 20-year supply strategy, and new or updated conservation and curtailment plans. Water conservation measures proposed in the plan focus on reducing peak demand by three customer classes – residential, commercial, and industrial, with a focus on the outdoor water use of residential customers.

The **2012 Water Master Plan** features in-depth analysis of existing conditions including an inventory and assessment of water supply wells, finished water storage and booster pumping, and the distribution system, as well as an evaluation of water quality and water rights. The City currently holds seven separate water permits for municipal use with a cumulative total permitted capacity of 5,606 gpm (12.49 cfs or 8.07 MGD<sup>1</sup>).

The City’s Water Master Plan assumes that future development through 2032 will include in-fill of existing developments, development of three proposed Urban Growth Areas (Northern Urban Plan Area, Southern Urban Plan Area, and Urban Renewal Area), and development of the Troutdale-Reynolds Industrial Park and Strebin Farms. The Water Master Plan was based on a then-projected increase in population between 2012 and 2032 of 3,816 people, with a total average day water demand of 2,130,517 gallons per day (gpd) in 2032.

The 2012 **Water Master Plan** documents the following needs related to water source, distribution system, and finished water storage and booster station facilities.

#### Source

The City overall has sufficient water right capacity to meet current and projected demands in year 2032. In order to develop and maintain sufficient source capacity as well as develop and protect sufficient water rights capacity, the following measures were recommended.

- Enhance the operational source capacity using existing wells.
- Protect the physical performance of the existing wells to maintain capacity and improve reliability.
- Fully develop and protect existing water rights.
- Develop new source capacity.

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<sup>1</sup> Assuming 24 hours of constant water production

## Distribution System

To ensure effective operation of the distribution system, the city should confirm the connections to other water systems are functional. Control valves should be operated at least annually to confirm their functionality.

## Finished Water Storage and Booster Stations

Potential future strategies and improvements associated with these facilities include the following.

- A structural evaluation for each facility is needed to determine upgrades required to meet current seismic code, especially the stand pipe Reservoir 2.
- Each reservoir needs flexible connections and seismic shut-off valves on all pipe connections to the reservoirs. Steel reservoirs number 2, 3 and 4 need to be anchored to their foundations to prevent “walk-off” failure during an earthquake.
- Currently, each reservoir is monitored by SCADA for recording water levels only. Issues with vandalism at Reservoir 3 and past issues with Reservoir 4 could be addressed by adding surveillance equipment and appropriate signage.
- A portable onsite generator for Booster Pump Station 2 and Reservoir 4 could be installed to maintain pressure within the system and level sensor functioning during power outages.
- Booster Pump Station 1 is under-capacity and should be upsized in case an emergency condition occurs for a prolonged period of time.

## **3.2 Sanitary Sewer System**

### **Overview**

The City provides wastewater collection and treatment services to its residents, commercial establishments, institutional customers, and a number of industries. Sewer service is provided only to customers within the city limits. An area along the privately owned portion of Jackson Park Road includes approximately 20 residences that have their own sanitary septic systems. Several homes located on the east side of the Sandy River are connected via a septic tank effluent pump system to the City sanitary sewer system at the west end of the Historic Columbia River Highway bridge. Approximately 27 other residences on the east side of the Sandy River are on privately-owned sanitary septic systems.

The topography of Troutdale influences how the sanitary sewer system was constructed and will continue to be upgraded in the future. Gravity sewers convey the flow down gradient and toward the Troutdale Water Pollution Control Facility. Pump stations convey flows up hills, across extraordinarily flat plains, and over divides, ultimately discharging into the gravity sewers where physically possible. The City’s system includes a total of 10

pump stations, over 53 miles of sanitary sewer pipes throughout the city and a wastewater treatment plant located in the northern portion of the city near the Sandy River.

### **Planning and Future Facility Needs**

A **Sanitary Sewer Master Plan** was prepared for Troutdale in 2013 in order to identify future sewer planning needs and facilities. The plan includes a description of the existing facilities at the time of the plan, projections of facility needs through the year 2040, and a capital improvement and financing plan.

The Sanitary Sewer Master Plan features in-depth analysis of existing conditions including an inventory and assessment of sanitary sewer system facilities, including sanitary sewer pipe, force mains and pump stations. The Plan incorporates hydraulic modeling of the City's sewer system to identify hydraulic capacity deficiencies in the existing wastewater sewer collection system for both existing and future planning scenarios. This analysis also assesses rainfall derived infiltration/inflow (RDII) conditions to help identify potential system deficiencies. The Plan also incorporates a capacity analysis to determine hydraulic capacity issues associated with current and future development planning scenarios.

The Sanitary Sewer Master Plan documents the following needs related to sanitary sewer facilities.

- Selected sanitary sewer pipes will need to be replaced throughout the city to accommodate future sanitary sewer flows based on the future hydraulic modeling analysis.
- Four pump stations may require upgrading to convey future flows. If and when these stations will need upgrading will depend upon the timing and type of future development.
- New sanitary sewer lines will be needed to accommodate potential future development in the Troutdale Reynolds Industrial Park and other undeveloped lands.

## **3.3 Storm Drainage System**

### **Overview**

The City of Troutdale is divided into two distinct north and south drainage areas. The North Troutdale drainage basin is located generally north of Historic Columbia River Highway and drains into the Columbia River (via the SDIC pump station). The South Troutdale drainage basin is located generally south of Historic Columbia River Highway and drains into the Sandy River, its tributary Beaver Creek and underground injection facilities.

Storm water runoff within the North Troutdale drainage basin is primarily collected and transported in open channel systems. The exceptions to this are culverts for road crossings, local drainage collection systems in the uppermost Arata Creek drainage basin within

Wood Village, the Troutdale Airport, the Frontage Road/I-84 area and the Troutdale Reynolds Industrial Park. Land situated below the floodplain in the North Troutdale drainage basin – largely in the area north of Salmon Creek and in Fairview – provides flood storage during peak storm events. The Sandy Drainage Improvement Company (SDIC) is responsible for maintaining the floodplain water surface levels within the low-elevation areas of the North Troutdale drainage basin. The SDIC maintains the Columbia River levee and operates the storm runoff pumping station, where most runoff generated within this drainage basin is directed.

A significant portion of the South Troutdale drainage basin discharges into underground injection control (UIC) facilities (dry wells). This drainage infiltrates and is not collected by storm system structures or open channels. The bulk of the South Troutdale Basin is served by a storm water collection system consisting of several sub-basins that discharge to Beaver Creek and the Sandy River. The City maintains 16 outfalls in the South Troutdale drainage basin that include 14 outfalls along Beaver Creek and 2 outfalls along the Sandy River.

### **Planning and Future Facility Needs**

The City maintains separate master plan documents for the North Troutdale and South Troutdale drainage basins. The South Troutdale plan incorporates a smaller plan that was developed specifically for the South Troutdale Road area.

The **North Troutdale Storm Drainage Master Plan** (2007) provides an overview of the drainage basin, analyses of existing and projected future basin hydrology conditions, runoff analysis, proposed capital improvement projects, and public involvement. The plan also includes an evaluation of the 2004 Stormwater Management Plan (SWMP) and Best Management Practices (BMPs) that were recommended in the SWMP and that the City proposed to implement to meet National Pollutant Discharge Elimination System (NPDES) Phase II Municipal Separate Storm Sewer System (MS4) requirements. Future conditions assumed for modeling in the plan were defined as full build-out of the basin expected by 2020 within the City's urban growth boundary and based on zoning at the time of plan preparation.

The **South Troutdale Storm Drainage Master Plan** (2012) addresses existing study area characteristics, an evaluation of the storm system capacity (hydrology and hydraulic model development and results), storm system water quality evaluation (including identification of "opportunity areas"), and an "integrated management strategy" that includes proposed capital improvement projects (CIPs) necessary to meet future needs. The City's 2009 Comprehensive Land Use Plan was used in conjunction with an inventory of vacant land to develop future land use assumptions associated to determine future drainage conditions and needs.

The City operates under a Phase II NPDES MS4 permit requiring the City to reduce pollutants discharged from the City's storm drainage system. The City's existing MS4 Storm Water Management Plan includes a range of programmatic, non-structural, and source

control activities managed by the City. The South Troutdale Storm Drainage Master Plan includes structural controls and improvements to address NPDES MS4 requirements.

The **South Troutdale Road Storm Drainage Plan** (2009) addresses a specific part of the South Troutdale drainage basin. The plan was prepared after land in the South Troutdale Road area was annexed to the city and development in the area was anticipated. The plan area is comprised of five parcels totaling approximately 100 acres, is generally bounded by Beaver Creek on the west, SE Stark Street on the north, South Troutdale Road on the east, and SE Strebin Road on the south, and includes provisions for roadway drainage of Troutdale Road. The plan is intended to identify feasible locations for discharge to Beaver Creek, document water quality treatment alternatives and possible locations, develop design criteria and prepare conceptual design of the drainage network, develop a system model for the concept drainage network, and develop a final system map for development of the selected network alternative, along with estimated costs for the drainage system.

Storm drainage system needs identified in the **North Troutdale Storm Drainage Master Plan** are associated with a series of “trouble spots” related to the duration of flooding, depth of flooding, locations of traffic disruptions, potential flooding of businesses or homes, backwater effects from surface streams, and conveyance limitations (e.g., pipe size). Proposed projects to address these existing and projected trouble spots include the Salmon Creek Weir, Arata Creek conveyance in the Dunbar Avenue area, north Arata Creek conveyance from Marine Drive to Salmon Creek, South Arata Creek culvert improvements, Columbia River Highway railroad underpass (bypass conveyance), and improvement of the culvert at the Marine Drive curve south of the Troutdale Airport. Projects and strategies to address these areas include:

- Completion of drainage conveyance improvements, culvert improvements, and roadway bypasses.
- Implementation of a variety of best management practices to reduce the impacts of drainage on drainage systems and water quality.

Storm drainage system needs identified in the **South Troutdale Storm Drainage Master Plan** include:

- Measures needed to address ten pipe segments which are expected to experience flooding under either existing or future conditions.
- Sixteen (16) capital improvement projects (CIPs) intended to address flood control, water quality, and integrated flood control/water quality in this drainage area based on an evaluation of specific opportunity areas and associated regulatory requirements, as well as existing and future drainage conditions.

The **South Troutdale Road Storm Drainage Master Plan** includes management alternatives for six local drainage areas in the study area, where all drainage flows toward Beaver Creek. Specific recommended projects include:

- Use of a continuous swale to treat runoff from South Troutdale Road (Drainage Area 1).

- On-site treatment of runoff from Drainage Area 2 with discharge to Outfall 2.
- On-site treatment of runoff from Drainage Areas 3 and 4, with discharge from Drainage Area 3 via an outfall on the north side of the wetland (Outfall 3) and discharge from Drainage Area 4 to a pipe system with an outfall on the south side of the wetland (Outfall 4).
- Treatment of runoff from South Troutdale Road (Drainage Area 5) in a series of stormwater swales along the western side of South Troutdale Road, with final discharge to the wetland at Outfall 5.

### **3.4 Transportation System**

Information about existing and future transportation facility conditions and needs is found in the City's Transportation System Plan and is hereby incorporated by reference.

## 4. Capital Improvements Plan (CIP)

### Overview

The City of Troutdale's Public Facilities Plan (PFP) calls for significant investment in infrastructure to accommodate expected growth and development over the next 20 years. A summary of planned improvements associated with water, wastewater and stormwater drainage facilities is presented in Table 1 below, with more detail provided in Appendix A. Information about the cost of transportation facility improvements is included in the City's Transportation System Plan and hereby incorporated by reference.

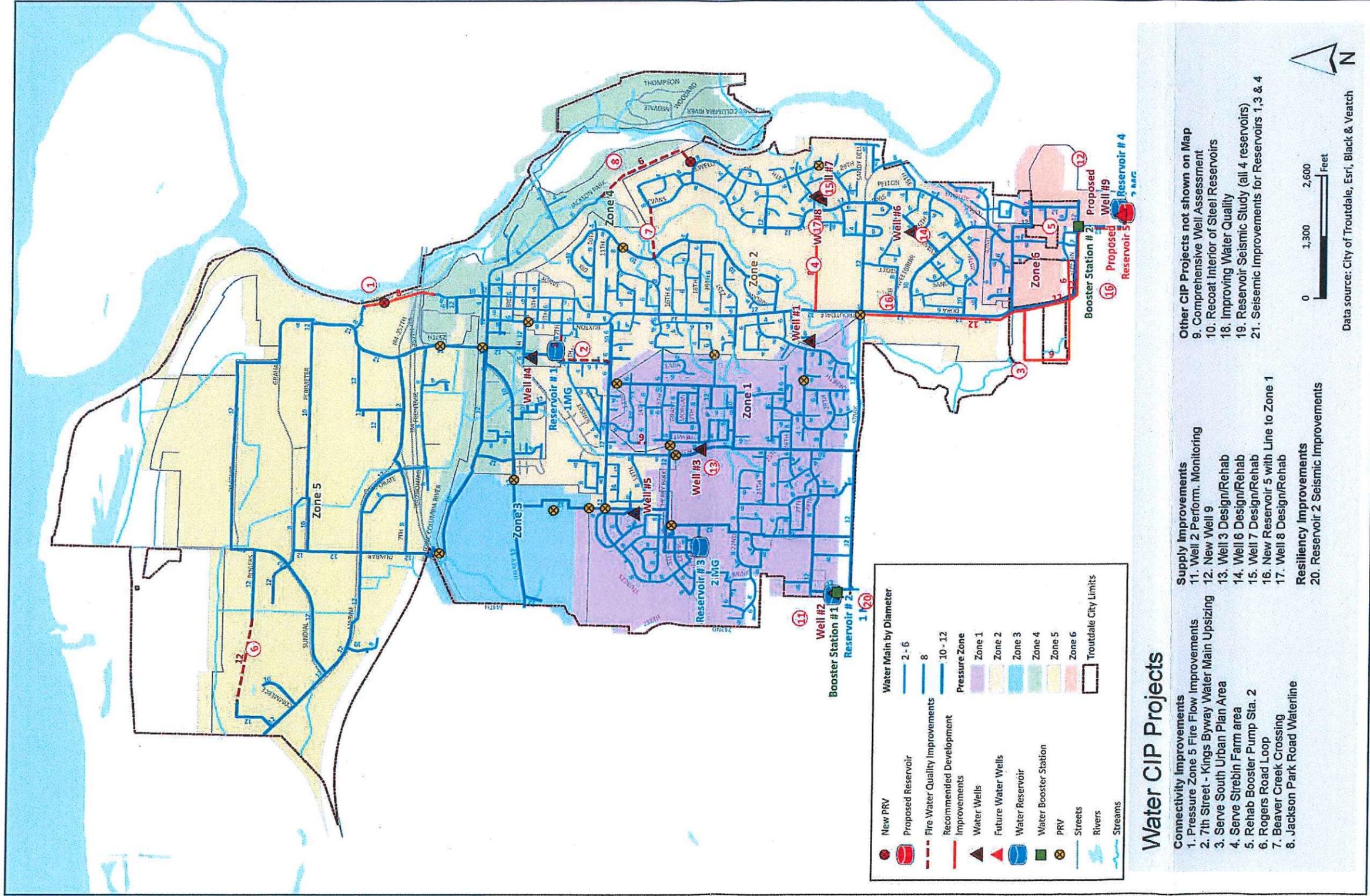
The level of investment for public facilities is based on cost estimates for planned projects in the City's adopted master plans for water, sewer, storm drainage, and transportation. A list of all planned public facility projects associated with water, wastewater and stormwater drainage facilities is included in Appendix A. It indicates the location, estimated cost, source of funding, and estimated timeframe for each capital improvement project. All cost estimates are expressed in year 2012 dollars.

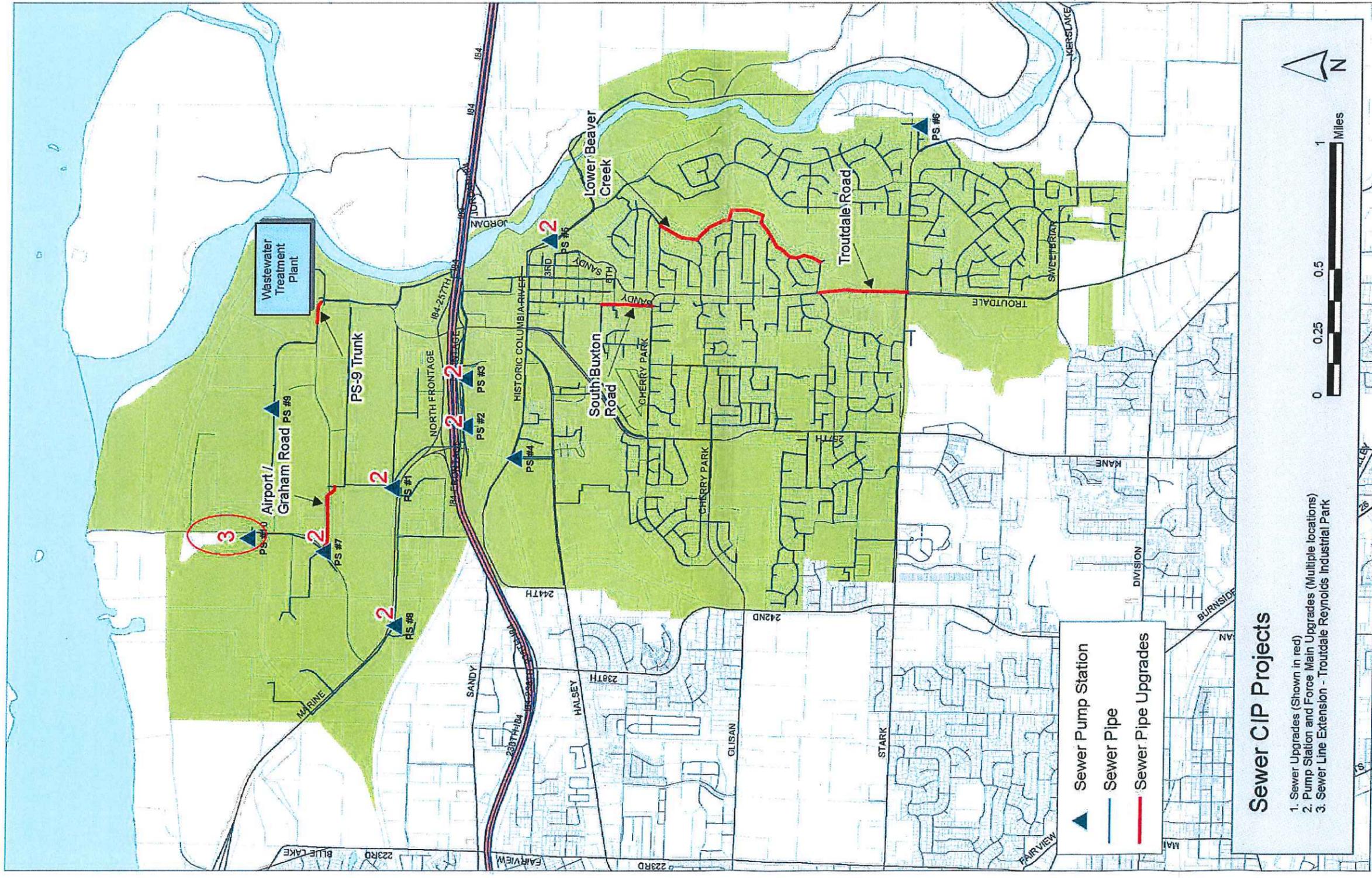
**Table 4-1: Summary of Planned Improvements**

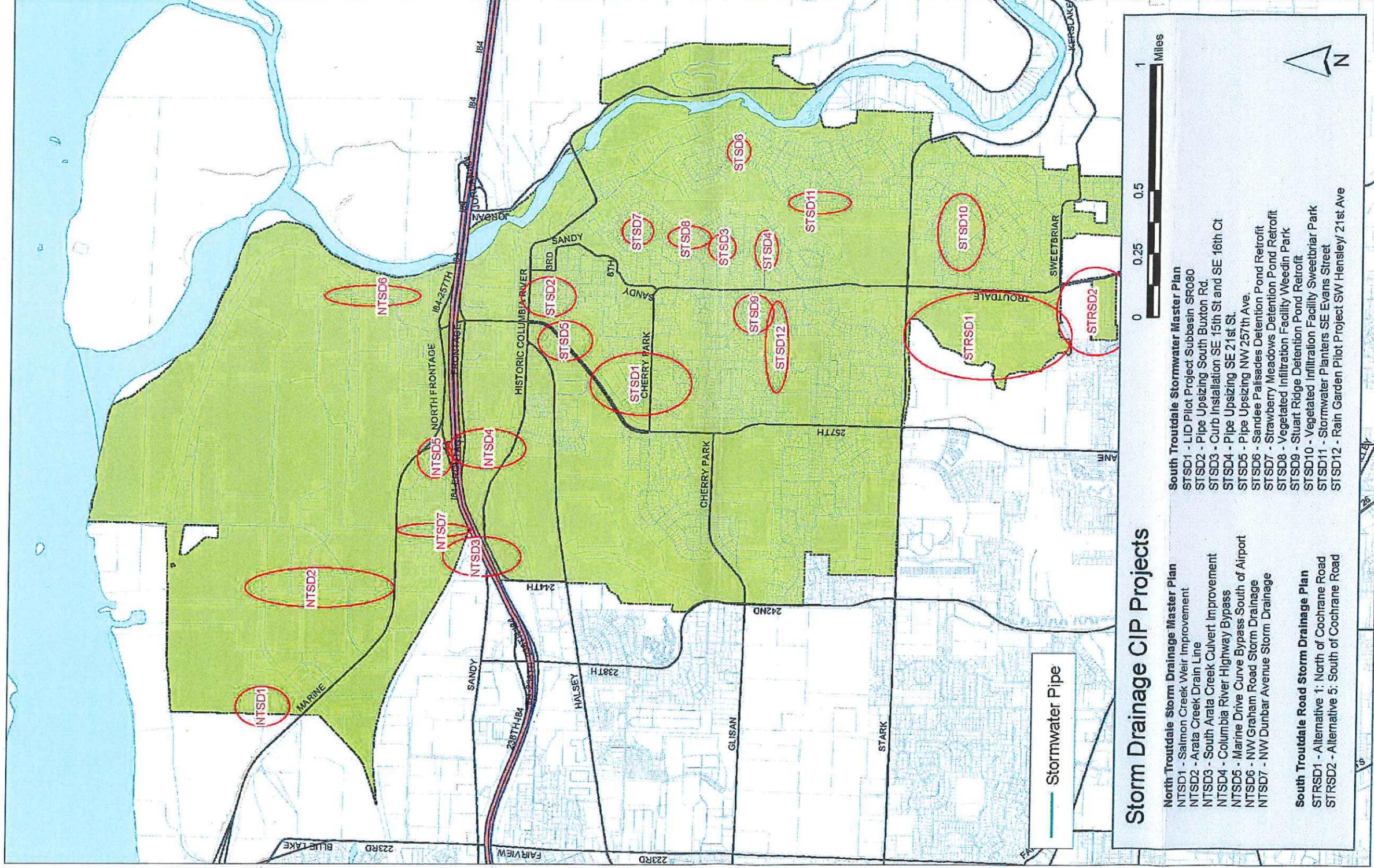
Public Facility	Short-term (Yr. 1 – 5)	Medium-term (Yr. 6 – 10)	Long-term (Yr. 11 – 20)	Total
<b>Water</b>				
<i>Connectivity</i>	\$896,500	\$760,000	\$470,000	\$2,126,500
<i>Supply</i>	\$953,900	\$2,047,200	\$3,998,900	\$7,000,000
<i>Incident Resiliency</i>	\$75,000	\$0	\$645,000	\$720,000
<b>Total</b>	<b>\$1,925,400</b>	<b>\$2,807,200</b>	<b>\$5,113,900</b>	<b>\$9,846,500</b>
<b>Sanitary Sewer</b>				
<i>Sewer pipe upgrades</i>	\$1,204,000	\$1,204,000	\$2,409,000	\$4,817,000
<i>Pump station, force main upgrades</i>	\$976,250	\$976,250	\$1,952,500	\$3,905,000
<i>Sanitary sewer pipe extensions</i>	\$783,250	\$783,250	\$1,566,500	\$3,133,000
<b>Total</b>	<b>\$2,963,750</b>	<b>\$2,963,750</b>	<b>\$5,927,500</b>	<b>\$11,855,000</b>
<b>Storm Drainage</b>				
<i>North Troutdale Storm Drainage Plan (2007, 2012 updates)</i>	\$2,719,400	\$212,600	\$0	\$2,932,000
<i>South Troutdale Storm Drainage Plan (2012) *</i>	\$462,400	\$455,300	\$1,193,500	\$2,111,200
<i>South Troutdale Road Storm Drainage Plan (2009) – Alternatives 1 and 5</i>	\$0	\$290,400	\$290,400	\$580,800
<b>Total</b>	<b>\$3,181,800</b>	<b>\$958,300</b>	<b>\$1,483,900</b>	<b>\$5,624,000</b>
* Cost estimates include two alternative estimates for one project; total combined costs will be less than indicated, depending on which option is selected.				

<b>Public Facility</b>	<b>Short-term (Yr. 1 – 5)</b>	<b>Medium-term (Yr. 6 – 10)</b>	<b>Long-term (Yr. 11 – 20)</b>	<b>Total</b>
<b>Total Investment</b>	<b>\$8,070,950</b>	<b>\$6,729,250</b>	<b>\$12,525,300</b>	<b>\$27,325,500</b>

Maps indicating the location of specific improvements are shown on the following pages.







### Storm Drainage CIP Projects

**North Troutdale Storm Drainage Master Plan**  
 NTSD1 - Salmon Creek Weir Improvement  
 NTSD2 - Arata Creek Drain Line  
 NTSD3 - South Arata Creek Culvert Improvement  
 NTSD4 - Columbia River Highway Bypass  
 NTSD5 - Marine Drive Curve Bypass South of Airport  
 NTSD6 - NW Graham Road Storm Drainage  
 NTSD7 - NW Dunbar Avenue Storm Drainage

**South Troutdale Road Storm Drainage Plan**  
 STRSD1 - Alternative 1: North of Cochrane Road  
 STRSD2 - Alternative 5: South of Cochrane Road

**South Troutdale Stormwater Master Plan**  
 STSD1 - LID Pilot Project Subbasin SR080  
 STSD2 - Pipe Upsizing South Buxton Rd.  
 STSD3 - Curb Installation SE 15th St and SE 16th Ct  
 STSD4 - Pipe Upsizing SE 21st St.  
 STSD5 - Pipe Upsizing NW 257th Ave.  
 STSD6 - Sandee Palisades Detention Pond Retrofit  
 STSD7 - Strawberry Meadows Detention Pond Retrofit  
 STSD8 - Vegetated Infiltration Facility Weed-in Park  
 STSD9 - Stuart Ridge Detention Pond Retrofit  
 STSD10 - Vegetated Infiltration Facility Sweetbriar Park  
 STSD11 - Stormwater Planters SE Evans Street  
 STSD12 - Rain Garden Pilot Project SW Hensley/ 21st Ave

## 6. Financing and Implementation Plan

The City of Troutdale uses a combination of strategies to finance the development and maintenance of its public works infrastructure. The following discussion provides an overview of the financial structure in place to support Troutdale's infrastructure and development and ongoing maintenance needs.

### 6.1 Water System

The City's Water Fund is an "enterprise fund" that pays for the operation, maintenance and repair, and some capital improvements of the City's water system. The primary revenue source for the Water Fund is the monthly user fee paid by the water customers. Other significant revenue sources are installation fees for new services and penalty fees paid on delinquent accounts. The City will rely on a dedicated Water System Development Charge (SDC), other developer funding, and the State Revolving Fund (SRF) to fund projects already in the City's CIP and improvement projects recommended in the 2012 Water Master Plan. Operation and maintenance projects, not eligible for SDC funding, identified in the Water Master Plan will be funded by user fees. To provide full funding of all of the recommended projects, the City's user fee would have to be increased by an average of 9% per year for the next 20 years.

SDCs are authorized by state law (ORS 223.297-.314) and the Troutdale Municipal Code (Chapter 12.02). Chapter 12.02 addresses basic methodology, exemptions, credits, refunds, and appeals. The detailed methodology for calculating SDC's for each set of public services and facilities is provided in separate resolutions and is outlined in a department directive from the Public Works Director and a worksheet for the public. The City's water SDC is based on Hydraulic Equivalents (HEs) per meter and meter size.

To provide full funding for the all of the identified improvement projects, water SDC rates would need to increase by approximately 10.2% to account for the development of the various CIP projects over the next 20 years. Increases should occur at the time that projects are added to the city's adopted CIP. Developer-funded CIP projects are funded entirely by the developer of the property, and in the 2012 Water Master Plan, this includes service in the South Urban Plan Area and the Strebin Farm Area. The CIPs that are expected to be funded partially by the State Revolving Fund include a new well and a new reservoir. The City may need to use the State Revolving Fund in conjunction with SDCs in order to finance these larger CIPs. It is assumed that these state loans are the only debt that the City will take on for water projects.

### 6.2 Sanitary Sewer System

Similar to the Water Fund, costs to provide sanitary sewer services, including operation and maintenance, staff and other needs are paid for primarily through sewer utility rates. Capital improvement costs are paid through a variety of sources, including utility rates,

SDCs, developer contributions, local improvement districts (LIDs) and outside funding sources (e.g., state grants or revolving loan funds).

As part of the Sanitary Sewer Master Planning process, an economic and financial model was prepared to ensure that revenues will be adequate to pay for the estimated cost to provide sanitary sewer services and build needed capital improvements. This analysis indicates the following:

- System Development Charges will need to be adjusted to reflect updated administrative and capital improvement costs, and to reflect the proportion of costs to be funded through SDCs. The City's sanitary sewer SDC is expected to decrease from a current rate of approximately \$4,500 per equivalent residential unit (ERU) to just over \$3,400 per ERU. These rates also will be indexed to account for the cost of inflation and will be adjusted annually to reflect inflationary factors.
- Sanitary sewer rates are projected to increase by just over five percent annually in each of the next four years (i.e., FY 2015 through FY 2018) to help pay for a combination of debt service on existing general obligation bonds, as well as future capital improvements and other annual costs.

Projected utility and SDC rate changes are based on a variety of assumptions and may need to be adjusted further to the extent that conditions change over time. The City will closely track its costs as they become available and compare them to assumptions used in the Sanitary Sewer Master Plan. If significant changes occur, the City will revisit the analysis and make appropriate changes

### **6.3 Storm Drainage System**

The City's storm drainage system is funded through a combination of user fees (on the monthly utility bill) and SDCs. The City's stormwater SDC is based on impervious surface area. All single-family detached homes are deemed to have the same (2,700 square feet) impervious surface area for the purpose of assessing SDCs.

Drainage in the North Troutdale drainage area is managed in collaboration with the Sandy Drainage Improvement Company (SDIC), ODOT and Multnomah County. The SDIC is responsible for maintaining the floodplain water surface levels within the low-elevation lands of the North Troutdale drainage basin. It maintains the Columbia River levee and operates the storm runoff pumping station to which most runoff generated within this drainage basin is directed. The City and Multnomah County operate local storm water collection systems that feed into SDIC facilities. Multnomah County and SDIC have their own revenue sources, and the City's CIP includes funding support for certain improvements to the SDIC systems that receive discharges from the City's systems.

## **6.4 Transportation**

Information about funding for transportation facilities is found in the City's Transportation System Plan and is hereby incorporated by reference.

## **7. Additional Public Facilities and Services in Troutdale**

In addition to addressing core public facilities associated with water, wastewater, stormwater and transportation, the City of Troutdale provides or coordinates with other public agencies and private entities to provide a variety of other public facilities and services, including those related to parks and recreation, police, fire, education, libraries, utilities, administration and other activities. This chapter very briefly describes those activities and identifies sources of additional information about them.

### **7.1 Parks and Recreation**

The City manages and maintains a variety of parks, recreation facilities, trails and natural areas. Park facilities include mini-parks, neighborhood, community and special use parks. The City's 2006 Parks Master Plan guides future planning for operation, maintenance and improvement of existing facilities, and also identifies additional, future park and recreation facility needs. The Parks Master Plan includes a set of goals and objectives for parks and recreation, a list of proposed park system improvements, estimated costs of parks projects and a proposed strategy for funding future improvements and operations. In addition, school facilities operated by the Reynolds School District and Mt. Hood Community College provide additional recreational facilities and opportunities for Troutdale residents, as do state and regional parks operated by the Oregon Department of Parks and Recreation and Metro. A copy of the Parks Master Plan and other current information about park and recreation facilities and services and programs can be found on the City's website.

### **7.2 Police**

The City provides 24-hour police services using a combination of over 20 sworn officers and professional staff members, along with a group of dedicated volunteers who serve as reserve officers, office assistants and chaplain. The Police Department is comprised of the Patrol Services, Support Services, Investigations, School Resource Unit and Administration Divisions. The Department also assigns police officers to the East Metro Gang Enforcement Team (EMGET) and Tri-Met Transit Police, using independent funding from those programs. In addition, officers work a variety of specialty assignments designed to provide tactical, investigative and operational skills that benefit the City of Troutdale and inter-agency teams throughout the Metropolitan area. Additional information about police services and facilities can be found on the City's website.

### **7.3 Solid Waste and Recycling**

The City's Solid Waste and Recycling Division provides coordination, education, and management services related to residential and commercial solid waste, collection, disposal and recycling.

The City of Troutdale administers a franchise agreement with a private waste hauling company for solid waste and recycling hauling services. Waste Management of Oregon is the current waste hauling contractor under franchise with the City of Troutdale. The Public Works Department manages the franchise agreement with the City's contracted waste hauling company. Regional solid waste and recycling efforts also are coordinated by the Metro regional government. Current information about local solid waste management and recycling services and programs is available on the City's website.

#### **7.4 Other City Services**

In addition to the facilities and services described above, the City of Troutdale provides general administration, land use planning and zoning, building plan review and inspections, engineering and record management services. These City functions currently operate out of multiple buildings, including separate facilities for planning and zoning, police, public works, city hall/courts and administration. Given the disparate nature of these locations and the recent closure of the former city hall and administration building due to structural problems, the City is considering development and construction of a new city hall or city services building. Future planning for such a facility will be the subject of a separate planning effort (outside the Public Facility Plan).

#### **7.5 Fire and Emergency Response Services**

Fire protection is provided by Gresham Fire and Emergency Services, under contract to the City of Troutdale. More information about current fire and emergency response services and facilities can be found on the City of Gresham's website.

#### **7.6 Schools**

The Reynolds School District, the Gresham-Barlow School District, and Mt. Hood Community College provide public education in Troutdale. Reynolds school facilities within Troutdale (as of 2012) include Sweetbriar and Troutdale elementary schools, Walt Morey Middle School and Reynolds High School. Mt. Hood Community College has three primary campuses, all outside of Troutdale. However, the main campus abuts the southern Troutdale boundary and it also provides programs and services at a number of off-campus sites, including at Gorge Winds Aviation and Reynolds High School within Troutdale. More information about these educational facilities and services can be found on the Reynolds School District and Mt. Hood Community College websites.

#### **7.7 Libraries**

Multnomah County provides library services to Troutdale residents, including through the Troutdale branch library which opened in 2010, as well as through a variety of online and

other mobile services. More information about these services can be found at the Troutdale library and the Multnomah County website.

## **7.8 Utilities**

Portland General Electric Company (PGE) and Northwest Natural Gas Company provide energy services to local residents. Comcast and Frontier Communications provide local telephone and cable television service options. A variety of other internet, mobile phone network and other entities also provide additional telecommunications and information services to Troutdale residents.

## 8. Plan Implementation

The City of Troutdale's Public Facilities Plan is implemented through a combination of local plans, infrastructure design and operational standards, and development code provisions. Implementing plans include:

- ➔ Water Master Plan (2012)
- ➔ Water Management and Conservation Plan (2004)
- ➔ North Troutdale Storm Drainage Master Plan (2007)
- ➔ South Troutdale Storm Drainage Master Plan (2012)
- ➔ South Troutdale Road Storm Drainage Master Plan (2009)
- ➔ Transportation System Plan (2013)
- ➔ Sanitary Sewer Master Plan (2013).

Infrastructure design standards include:

- ➔ Troutdale Municipal Code, Title 13. Street Trees, Park and Recreation Areas
- ➔ Troutdale Development Code (various chapters)
- ➔ Public Works Construction Standards – Streets (Parts I and II), Water (Parts III and IV), Storm Sewer (Parts V and VI), and Sanitary Sewer (VII and VIII).

Financing is supported by:

- ➔ City of Troutdale System Development Charges Methodology Resolutions (Water, Sanitary Sewer, Transportation, Storm Water, Parks)
- ➔ City of Troutdale Municipal Code, Title 12. Public Works
  - Chapter 12.02 (System Development Charges)
  - Chapter 12.03 (Water System)
  - Chapter 12.04 (Sanitary Sewer System)
  - Chapter 12.05 (Streets and Sidewalks)
  - Chapter 12.06 (Storm Sewer System)
  - Chapter 12.07 (Pretreatment Program)
  - Chapter 12.08 (Public Improvements)

- Chapter 12.12 (Right-of-Way Management)

- Annual City budget authorization.

Intergovernmental coordination is implemented through the following arrangements:

- **Water Services.** The City of Troutdale is the sole provider of potable water services within the boundaries of the City. It has interties and emergency service agreements with the cities of Gresham, Fairview and Wood Village.
- **Sanitary Sewer Services.** The City of Troutdale is the sole provider of sanitary sewer services within the boundaries of the City.
- **Storm Drainage.** The City is the primary provider of storm drainage services within the City. Multnomah County and the Oregon Department of Transportation provide storm drainage facilities associated with their respective roadways, and in certain cases the City and County systems interconnect. The Sandy Drainage Improvement Company provides storm drainage and flood control facilities and services in the North Troutdale area in conjunction with the City's systems, as described in the Public Facilities Plan and the North Troutdale Storm Drainage Master Plan. The City coordinates storm drainage services with that District pursuant to those plans, as well as with the Oregon Department of Environmental Quality, the Oregon Department of Transportation, Multnomah County, neighboring jurisdictions, and City residents."

Appendix A: Capital Improvements Plan

WATER			Water Plan Listed Cost	Cost 2012 \$\$	Project Schedule			Priority	Year	Funding Source
Item	Type	Project Title Description/ Location			Short-term (0-5 years)	Medium-term (6-10 yrs)	Long-term (10-20 yrs)			
1	WC	Pressure Zone 5 Fire Flow Improvements	285,000	\$285,000	\$285,000			High	2013-2015	
2	WC	7 <sup>th</sup> Street – Kings Byway Water Main Upsizing	\$370,000	\$370,000		\$370,000		High	2017-2018	User fees
3	WC	Serve South Urban Plan Area	412,000	\$412,000	\$412,000			High	2014-2016	Developer
4	WC	Serve Strebin Farm area	185,000	\$185,000		\$185,000		High	2017-2018	Developer
5	WC	Rehab Booster Pump Sta. #2	199,500	\$199,500	\$199,500			High	2014-2015	User fees
6	WC	Rogers Road Loop	205,000	\$205,000		\$205,000		High	2020-2021	Developer, SDC
7	WC	Beaver Creek Crossing	110,000	\$110,000			\$110,000	High	2022-2023	SDC
8	WC	Jackson Park Road Waterline	360,000	\$360,000			\$360,000	High	2024-2025	Developer
		<b>Total Connectivity</b>	<b>\$2,126,500</b>	<b>\$2,126,500</b>	<b>\$896,500</b>	<b>\$760,000</b>	<b>\$470,000</b>			
9	WS	Comprehensive Well Assessment	55,000	\$55,000	\$55,000			Medium	2013-2014	User fees
10	WS	Recoat Interior of Steel Reservoir	775,000	\$775,000			\$775,000	Medium	2028-2030	User fees
11	WS	Well 2 Perform. Monitoring	5,000	\$5,000	\$5,000			Medium	2013	User fees
12	WS	New Well 9	1,975,000	\$1,975,000	\$438,900	\$1,097,200	\$438,900	Medium	2015-2023	SDC, SRF
13	WS	Well 3 Assessment/Rehab	100,000	\$100,000	\$100,000			Medium	2015-2016	User fees
14	WS	Well 6 Assessment/Rehab	125,000	\$125,000	\$125,000			Medium	2016-2017	User fees
15	WS	Well 7 Assessment/Rehab	100,000	\$100,000			\$100,000	Medium	2026-2027	User fees
16	WC	Reservoir 5 to Zone 1 Line	1,965,000	\$1,965,000			\$840,000	High	2024-2027	User fees
17	WS	Well 8 Assessment/Rehab	1,800,000	\$1,800,000	\$180,000	\$900,000	\$720,000	Medium	2016-2025	User fees
18	WS	Improving Water Quality	100,000	\$100,000		\$100,000		Medium	NA	User fees
		<b>Total Supply</b>	<b>\$7,000,000</b>	<b>\$7,000,000</b>	<b>\$953,900</b>	<b>\$2,047,200</b>	<b>\$3,998,900</b>			
19	WIR	Reservoir Seismic Study	\$75,000	\$75,000	\$75,000			Low	2012-2013	User fees
20	WIR	Reservoir 2 Seismic Improvements	\$295,000	\$295,000			\$295,000	Low	2028-2030	User fees
21	WIR	Reservoirs 1, 3, 4 Seismic Improvements	\$350,000	\$350,000			\$350,000	Low	2029-2032	User fees
		<b>Total Resiliency</b>	<b>\$720,000</b>	<b>\$720,000</b>	<b>\$75,000</b>	<b>\$0</b>	<b>\$645,000</b>			
		<b>Total Water</b>	<b>\$9,846,500</b>	<b>\$9,846,500</b>	<b>\$1,925,400</b>	<b>\$2,807,200</b>	<b>\$5,113,900</b>			

Item	SANITARY SEWER		Sewer Plan Listed Cost	Cost 2013 \$\$	Project Schedule			Priority	Year	Funding Source
	Type	Project Title Description/ Location			Short-term	Medium-term	Long-term			
1A	Pipe	Sewer pipe upgrades South Buxton Road	501,000	501,000	\$125,250	\$125,250	\$250,500		NA	User Fees, SDC
1B	Pipe	Sewer pipe upgrades Lower Beaver Creek No. 1	414,000	414,000	\$103,500	\$103,500	\$207,000		NA	User Fees, SDC
1C	Pipe	Sewer pipe upgrades Lower Beaver Creek No. 2	452,000	452,000	\$113,000	\$113,000	\$226,000		NA	User Fees, SDC
1D	Pipe	Sewer pipe upgrades Lower Beaver Creek No. 3	450,000	450,000	\$112,500	\$112,500	\$225,000		NA	User Fees, SDC
1E	Pipe	Sewer pipe upgrades Lower Beaver Creek No. 4	578,000	578,000	\$144,500	\$144,500	\$289,000		NA	User Fees, SDC
1F	Pipe	Sewer pipe upgrades Lower Beaver Creek No. 5	411,000	411,000	\$102,750	\$102,750	\$205,500		NA	User Fees, SDC
1G	Pipe	Sewer pipe upgrades Troutdale Road	1,112,000	1,112,000	\$278,000	\$278,000	\$556,000		NA	User Fees, SDC
1H	Pipe	Sewer pipe upgrades Airport/Graham Road	646,000	646,000	\$161,500	\$161,500	\$323,000		NA	User Fees, SDC
1I	Pipe	Sewer pipe upgrades PS 9 Trunk	253,000	253,000	\$63,250	\$63,250	\$126,500		NA	User Fees, SDC
		<b>Sewer Pipes Total</b>		<b>4,817,000</b>	<b>\$1,204,250</b>	<b>\$1,204,250</b>	<b>\$2,408,500</b>			
2A	PS/FM	Pump Station/Force Main Upgrades PS-1	2,695,000	2,695,000	\$673,750	\$673,750	\$1,347,500		NA	User Fees, SDC
2B	PS	Pump Station Upgrades PS-2	369,000	369,000	369,000				NA	User Fees, SDC
2C	PS	Pump Station Upgrades PS-5	454,000	454,000	\$113,500	\$113,500	\$227,000		NA	User Fees, SDC
2D	PS	Pump Station Upgrades PS-7	145,000	145,000	\$36,250	\$36,250	\$72,500		NA	User Fees, SDC
2E	PS	Pump Station Upgrades PS-9	242,000	242,000	\$60,500	\$60,500	\$121,000		NA	User Fees, SDC
		<b>Pump Station and Force Mains Total</b>		<b>3,905,000</b>	<b>3,905,000</b>	<b>\$976,250</b>	<b>\$976,250</b>			
3	Ext.	Reynolds Industrial Park sewer extension	3,133,000	3,133,000	\$783,250	\$783,250	\$1,566,500		NA	SDC
				<b>3,133,000</b>	<b>\$783,250</b>	<b>\$783,250</b>	<b>\$1,566,500</b>			
		<b>Total Wastewater</b>	<b>11,855,000</b>	<b>11,855,000</b>	<b>\$2,963,750</b>	<b>\$2,963,750</b>	<b>\$5,927,500</b>			

Item	STORM DRAINAGE			Cost 2012 \$\$	Project Schedule			Priority	Year	Funding Source
	Type	Project Title Description/ Location	Drainage Plan Listed Cost		Short-term	Medium-term	Long-term			
NTSD1		Salmon Creek Weir Improvement	\$150,000	\$163,100	\$163,100				2012-2015	SDC, user fee
NTSD2		Arata Creek Drain Line – Marine Dr to Salmon Creek	\$202,000	\$219,700	\$219,700				2012-2015	SDC, user fee
NTSD3		South Arata Creek Culvert Improvement	\$568,000	\$617,700	\$617,700				2012-2015	SDC, user fee
NTSD4		Columbia River Highway Bypass	\$391,000	\$425,200	\$212,600	\$212,600			2012-2017	SDC, user fee
NTSD5		Marine Drive Curve Bypass South of Airport	\$532,000	\$578,600	\$578,600				2012-2016	SDC, user fee
NTSD6		NW Graham Road Storm Drainage	\$550,000	\$598,200	\$598,200				2012-2016	SDC, user fee
NTSD7		NW Dunbar Avenue Storm Drainage	\$303,000	\$329,500	\$329,500				2014-2016	SDC, user fee
				<b>\$2,932,000</b>	<b>\$2,719,400</b>	<b>\$212,600</b>	<b>\$0</b>			
STSD1	FC/WQ	Low Impact Development (LID) Pilot Project Subbasin SR080*	\$50,000	\$50,000		\$50,000				SDC, user fee
STSD2	FC	Pipe Upsizing South Buxton Road	\$130,100	\$130,100	\$130,100					SDC, user fee
STSD3	FC	Curb Installation Between SE 15th Street and SE 16th Court	\$2,500	\$2,500	\$2,500					SDC, user fee
STSD4	FC	Pipe Upsizing SE 21st Street	\$106,100	\$106,100		\$106,100				SDC, user fee
STSD5	FC	Pipe Upsizing NW 257th Avenue*	\$522,700	\$522,700			\$522,700			SDC, user fee
STSD6	WQ	Sandee Palisades Detention Pond Retrofit Subbasin SR220	\$153,800	\$153,800		\$153,800				SDC, user fee
STSD7	WQ	Strawberry Meadows Detention Pond Retrofit Subbasin BC210	\$85,100	\$85,100	\$85,100					SDC, user fee
STSD8	WQ	Vegetated Infiltration Facility (Retention Pond) Weedin Park (Subbasin BC300)	\$297,100	\$297,100			\$297,100			SDC, user fee
STSD9	WQ	Stuart Ridge Detention Pond Retrofit Subbasin BC590	\$60,500	\$60,500	\$60,500					SDC, user fee
STSD10	WQ	Vegetated Infiltration Facility (Rain Garden) Sweetbriar Park (Subbasin BC920)	\$145,400	\$145,400		\$145,400				SDC, user fee
STSD11	WQ	Stormwater Planters (Green Streets) SE Evans Street (Subbasins BC510 and BC520)	\$373,700	\$373,700			\$373,700			SDC, user fee
STSD12	WQ	Stormwater Planters (Green Streets) SW 21st Avenue (Subbasin BC200)	\$184,200	\$184,200	\$184,200					SDC, user fee
		<b>Total South Troutdale Drainage</b>		<b>\$2,111,200</b>	<b>\$462,400</b>	<b>\$455,300</b>	<b>\$1,193,500</b>			SDC, user fee
STRSD1		Alternative 1 - North of Cochrane Road	\$308,545	\$335,600		\$167,800	\$167,800		Unknown	Developer
STRSD1		Alternative 5 - South of Cochrane Road	\$225,486	\$245,200		\$122,600	\$122,600		Unknown	Developer
		<b>Total South Troutdale Road Drainage</b>	<b>\$534,031</b>	<b>\$580,800</b>	<b>\$0</b>	<b>\$290,400</b>	<b>\$290,400</b>			
		<b>Total Storm Drainage</b>		<b>\$5,624,000</b>	<b>\$3,181,800</b>	<b>\$958,300</b>	<b>\$1,483,900</b>			

\* These two projects represent two different alternatives to meeting the same need; only one project will be completed, reducing the overall cost of the combined CIP projects accordingly.



# CITY OF TROUTDALE



## STAFF REPORT

**SUBJECT / ISSUE:** An ordinance adopting text amendments to Comprehensive Land Use Plan Goal 11 Public Facilities and Services in partial fulfillment of Periodic Review Task 3.

<b>MEETING TYPE:</b> City Council Regular Mtg.	<b>MEETING DATE:</b> May 13, 2014  <b>STAFF MEMBER:</b> Craig Ward <b>DEPARTMENT:</b> Community Development
<b>ACTION REQUIRED</b> Ordinance - Adoption  <b>PUBLIC HEARING</b> Yes	<b>ADVISORY COMMITTEE/COMMISSION RECOMMENDATION:</b> Approval  <b>Comments:</b> Both the Citizen Advisory Committee and the Troutdale Planning Commission recommend adoption.
<b>STAFF RECOMMENDATION:</b> Adoption.	

### EXHIBITS:

- A. Planning Commission Findings of Fact and Recommendation of March 19, 2014
- B. City of Troutdale 1990 Goal 11 Text.

### Subject / Issue Relates To:

- Council Goals
  Legislative
  Other (describe)

### Issue / Council Decision & Discussion Points:

- ◆ The tasks that the City must complete as part of periodic review are governed by its approved periodic review work program. DLCDD approved the City's work program on April 15, 2010. The approved work program includes tasks related to statewide planning Goal 11, Public Facilities and Services.
- ◆ As property develops in Troutdale, the policies of Goal 11 and the Public Facility Plan instruct staff and developers as to what is expected of developers and what is expected of the City. There are no Troutdale Development Code text amendments associated with the Goal 11 text amendment.

Reviewed and Approved by City Manager:

## **BACKGROUND:**

The City has been in periodic review since the initial notification from the Oregon Department of Land Conservation and Development (DLCD) on May 20, 2008. The tasks that the City must complete as part of periodic review are governed by its approved periodic review work program. DLCD approved the City's work program on April 15, 2010. The approved work program includes tasks related to statewide planning Goal 11, Public Facilities and Services. Specifically identified as Task 3 of the work program, the City is required to prepare and adopt amendments to its Comprehensive Land Use Plan Goal 11 policies in accordance with Statewide Land Use Planning Goal 11 and Oregon Administrative Rule 660-011- 0010-45. The amendments coordinate with the City's proposed Public Facilities Plan.

With funding from a DLCD periodic review assistance grant, the City hired a consultant to perform several remaining tasks of our work program, including Task 3. Since June 2012, the consultant, Angelo Planning Group, has been researching and gathering information, preparing technical memoranda, and preparing drafts of the document. The consultant presented their major findings and recommendations to the Citizens Advisory Committee for review and recommendation at the CAC's October 2012 and February 2013 meetings and to the Planning Commission on May 29, 2013 and March 19, 2014.

The last time the text of Goal 11 was revised was during the 1990 Periodic Review. The text is seriously outdated and deficient in meeting present statutory requirements, so the proposed new plan is an entire rewrite of Goal 11.

### Explanation of proposed plan

State law requires a Comprehensive Plan to include an element on public facilities and services. Pursuant to OAR 660-011-0045 (Adoption and Amendment Procedures for Public Facility Plans), a public facilities element must include:

- List of needed facility projects (descriptions are not required)
- Maps showing the location of proposed facility projects
- Policies or an urban growth management agreement designating the provider of each public facility system.

The proposed amendment to Goal 11 of the Comprehensive Plan (Attachment A of the Ordinance) substitutes all current text (Exhibit B) with the information items listed above. Needed sanitary sewer, water and storm drainage system projects, taken directly from the Public Facilities Plan, are presented both as a table and in maps. Information related to coordination between the City of Troutdale and other water, sewer and storm drainage providers in the area is provided. The amended text references the City's adopted Public Facilities Plan for more detailed information about existing and future public facility needs.

The current Goal 11 text (Exhibit B) does not have goals and policies typical of other Goals in the Comprehensive Land Use Plan. The current Goal 11 text was adopted under the last Periodic Review September 27, 1990 / Ordinance No. 558-O.

The Planning Commission asked at its May 29, 2013 hearing if the project list in the Public Facilities Plan also needed to be in the Goal 11 text. According to the consultant, this information is required in the Goal 11 text under the state requirements.

### Relevant criteria

Section 15.050A Planning Commission Recommendation / Approval Criteria of the Troutdale Development Code establishes the following approval criteria for evaluating comprehensive plan amendments.

1. For Comprehensive Plan text amendments, compliance with the Statewide Land Use goals and related Administrative Rules.

This text amendment goes hand in hand with adoption of a PFP, which is a required task of the City's periodic review work program. That Plan was prepared in accordance with Statewide Land Use Planning Goal 11 and its related administrative rule. This text amendment is necessary in order for Goal 11 of the Comprehensive Plan to complement and support the PFP. Therefore, it logically and necessarily satisfies this approval criterion.

2. Public need is best satisfied by this particular change.

The public need addressed by this amendment avoids overlap or redundancies between the Comprehensive Plan and the Public Facilities Plan. Because the latter document serves as an element of the Comprehensive Plan and provides detailed information drawn from the master plans for city water, sanitary sewer and storm sewer services, Goal 11 of the Comp Plan needs only provide basic information about these facilities. This text amendment also satisfies public need by clarifying the relationship of the two documents.

There was no public comment at either Planning Commission hearing (May 29, 2013 and March 19, 2014) nor were written comments submitted.

3. The change will not adversely affect the health, safety and welfare of the community.

Adoption of this text amendment to Goal 11 of the Comprehensive Plan supports other required work under periodic review Task 3, that promotes and positively affects the health, safety and welfare of the community.

4. In the case of Development Code amendments, the particular change does not conflict with applicable comprehensive plan goals or policies.

The proposed text amendment pertains only to the Comprehensive Plan and not to the Troutdale Development Code; therefore, this criterion does not apply.

**PROS & CONS:**

Pros:

- Adoption fulfills part of Periodic Review Task 3.

Cons

- None.

<p><b>Current Year Budget Impacts</b>   <input type="checkbox"/> Yes (<i>describe</i>)   <input checked="" type="checkbox"/> N/A</p> <p><b>Future Fiscal Impacts:</b>   <input type="checkbox"/> Yes (<i>describe</i>)   <input checked="" type="checkbox"/> N/A</p> <p><b>City Attorney Approved</b> N/A   <input type="checkbox"/> Yes</p> <p><b>Community Involvement Process:</b>   <input checked="" type="checkbox"/> Yes (<i>describe</i>)   <input type="checkbox"/> N/A All meetings before the Citizens Advisory Committee and the Planning Commission were open to the public. No comments from the public at those meetings were received.</p>
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PLANNING COMMISSION  
FINDINGS of FACT and RECOMMENDATION  
March 19, 2014

**Periodic Review Task 3**  
**Amendment to the Troutdale Comprehensive Land Use Plan**  
**Goal 11 Public Facilities and Services**

The Troutdale Planning Commission held public hearings on May 29, 2013 and March 19, 2014 to take public testimony, and to make a recommendation to the City Council, concerning adoption of a proposed amendment to the Troutdale Comprehensive Land Use Plan relating to Statewide Land Use Goal 11 (Public Facilities and Services) as part of Task 3 of the City's Periodic Review Work Program. Having provided the opportunity for the public to express their views on the proposal, the Planning Commission now makes and enters the following findings of fact together with its recommendation to the Council for action.

**FINDINGS OF FACT**

1. The City has been in periodic review since the initial notification from the Oregon Department of Land Conservation and Development (DLCD) on May 20, 2008. The tasks that the City must complete as part of periodic review are governed by its approved periodic review work program. DLCD approved the City's work program on April 15, 2010.
2. The City's approved work program includes tasks related to statewide planning Goal 11, Public Facilities and Services. Specifically identified as Task 3 of the work program, the City is required to prepare and adopt a Public Facilities Plan in accordance with Statewide Land Use Planning Goal 11 and Oregon Administrative Rule 660-011- 0010-45.
3. On May 29, 2013, the Planning Commission recommended an updated Public Facilities Plan to the City Council for adoption as part of this text amendment, to be adopted as an implementing element of the Comprehensive Plan. Because it presents detailed information about existing and future public facility needs and contains goals and policies to guide the City in providing efficient and effective urban services, the Public Facilities Plan will be the City's primary policy document for addressing statewide planning Goal 11. For this reason, Goal 11 of the Comprehensive Plan needs to only provide basic information about water, sanitary sewer and storm drainage facility needs.

4. The proposed amendment to Goal 11 of the Comprehensive Plan consists of eliminating all current text and replacing it with only those informational items spelled out by statute or administrative rule.
  
6. The text amendment satisfies the approval criteria of Troutdale Development Code 15.030 Planning Commission Recommendation:

Criterion A.1: For Comprehensive Land Use Plan text amendments, compliance with the Statewide Land Use Goals and related administrative rules.

This text amendment goes hand in hand with adoption of a new Public Facilities Plan, which is a required task of the City's Periodic Review Work Program. The Public Facilities Plan was prepared in accordance with Statewide Land Use Planning Goal 11 and its related administrative rule. This text amendment is necessary in order for Goal 11 of the Comprehensive Plan to complement and support the Public Facilities Plan.

Criterion A.2: Public need is best satisfied by this particular change.

The public need that is addressed by adoption of this amendment is to avoid overlap and redundancies between the Comprehensive Plan and the Public Facilities Plan. This text change also satisfies public need by clarifying the relationship of the two documents.

Criterion A3: The change will not adversely affect the health, safety, and welfare of the community.

Adoption of this text change to Goal 11 of the Comprehensive Plan supports other required work under periodic review Task 3, which by its very nature is intended to promote and positively affect the health, safety and welfare of the community.

Criterion A4: In the case of Development Code amendments, the particular change does not conflict with applicable Comprehensive Land Use Plan goals or policies.

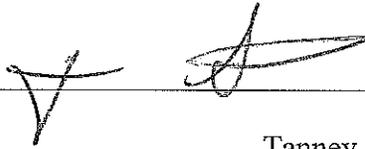
This criterion does not apply as this is not an amendment to the Development Code text.

7. Notice of the public hearing has been provided in accordance with applicable law. A public comment period was opened by the Chair during both hearings before the Planning Commission:
  - No citizens spoke or submitted written comments at the May 29, 2013 hearing in this matter.

- No citizens spoke or submitted written comments at March 19, 2014 hearing in this matter.

**RECOMMENDATION**

In view of the above Findings of Fact, the Planning Commission recommends that the Troutdale City Council adopt the proposed text amendment to Goal 11 Public Facilities and Services (attached Exhibit A) of the Troutdale Comprehensive Land Use Plan as part of Task 3 of the City's periodic review work program.



Tanney Staffenson, Chair  
Troutdale Planning Commission

3/28/2014

Date

EXHIBIT A

EXHIBIT A IS THE PROPOSED AMENDMENT TO THE TEXT OF  
TROUTDALE COMPREHENSIVE LAND USE PLAN GOAL 11

This document is Attachment A of the Ordinance

**GOAL 11 - PUBLIC FACILITIES AND SERVICES**

The City of Troutdale has prepared a Public Facilities Plan (PFP) which contains policy, inventory, and planning sections. This document should be referenced for specific information about the sewer, water, storm sewer, and street systems.

The City provides many public facilities and services which are necessary to accommodate new growth. The location and timing of these services determines when and where development can occur. Troutdale has prepared plans for the essential facilities such as water, sewer, and streets in order to manage growth in an orderly and systematic manner. The City has adopted a Public Facilities Plan which is reviewed and updated annually. The PFP serves as the principal tool to guide the phasing of all public facility improvements.

Since 1976, most neighborhood improvements have been constructed in conjunction with new residential developments. Major capital improvements such as water reservoirs, wells, sewer trunk lines, and sewage treatment plant expansion have been financed generally through the formation of local improvement districts (LIDS) or FmHA loans. The City has also enacted various system development charges (SDC) for sewer, water, and streets that require new development to contribute a fair share for services expended in anticipation of growth. Federal funding such as the Community Development Block Grant (CDBG) Program has provided another source of project funding. The City's recent major public works projects have been largely financed by CDBG funds, matched by local resources.

**SEWER AND WATER**

Existing and proposed improvements to the City's water system have resulted in adequate capacity to serve anticipated growth. The present wastewater treatment plant capacity has been expanded to 1.6 million gallons per day and present usage is running at approximately 60-70% capacity. The local street network has been vastly improved with the widening of Stark Street and the extension of 257<sup>th</sup> Avenue. Developers of new developments will be required to construct local streets which will include the installation of storm sewers to help complete the City's system.

**POLICE**

The City provides 24-hour police services.

**FIRE**

Fire protection is provided by Gresham Fire Department, under contract.

**SCHOOLS**

The Reynolds School District and Mt. Hood Community College provide public education in Troutdale.

**OTHER SERVICES**

The City of Troutdale provides general administration, land use planning and zoning, building plan review and inspections, engineering, record management, and maintenance of City parks, streets, and water and sewer facilities.

Portland General Electric Company (PGE) and Northwest Natural Gas Company provide energy services to local residents. General Telephone Company (GTE) and Paragon Cable provide telecommunication services.

## ORDINANCE NO.

### AN ORDINANCE ADOPTING TEXT AMENDMENTS TO COMPREHENSIVE LAND USE PLAN GOAL 11 PUBLIC FACILITIES AND SERVICES IN PARTIAL FULFILLMENT OF PERIODIC REVIEW TASK 3.

#### THE TROUTDALE CITY COUNCIL FINDS AS FOLLOWS:

1. The City has been in periodic review since the initial notification from the Oregon Department of Land Conservation and Development (DLCD) on May 20, 2008. The tasks that the City must complete as part of periodic review are governed by its approved periodic review work program. DLCD approved the City's work program on April 15, 2010.
2. The City's approved work program includes tasks related to statewide planning Goal 11, Public Facilities and Services. Specifically identified as Task 3 of the work program, the City is required to prepare and adopt text amendments to Troutdale's Comprehensive Land Use Plan Goal 11 Public Facilities and Services in compliance with Statewide Land Use Planning Goal 11 and Oregon Administrative Rule 660-011- 0010-45. The current text of Goal 11 was adopted September 27, 1990 (Ordinance No. 558-O) during the last periodic review.
3. The City hired a consultant to prepare the Public Facilities Plan which is primarily based on the City's most recently updated and adopted Master Plans for Water and Stormwater, and the Sanitary Sewer Master Plan. Where available, more up-to-date information about the status and cost of needed future facilities has been used.
4. The Citizens Advisory Committee reviewed and discussed the major elements of the amendment in October 2012 and February 2013. The CAC supported the amendment and referred it to the Planning Commission for approval.
5. The Troutdale Planning Commission held public hearings on May 29, 2013 and March 19, 2014 to take public testimony and to make a recommendation to the City Council concerning adoption of the amendments to satisfy requirements of the City's periodic review work program. No public testimony or comments were received prior to the close of the hearing. The Planning Commission unanimously passed its Findings of Fact and Recommendation for adoption of to the Council on March 19, 2014 with the removal of the Jackson Park Road and East Historic Columbia River Highway projects from the Goal that were identified in its decision on the Public Facilities Plan.
6. Adoption of the Goal 11 text amendment satisfies the Comprehensive Land Use Plan text amendment criterion that Statewide Land Use Planning Goals are met. Adoption of the amendment is a required task of the City's periodic review work

program which is part of Statewide Land Use Planning Goals and coordinates with the new Public Facilities Plan.

7. Adoption of the Goal 11 text amendment satisfies the Comprehensive Land Use Plan text amendment criterion that the public need is best satisfied by the particular change.
8. Adoption of the Goal 11 text amendment satisfies the Comprehensive Land Use Plan text amendment criterion in that the adoption will not adversely affect the health, safety and welfare of the community. The policies of Goal 11 address current conditions and future needs in order to foster positive benefits for the community.

**NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF TROUTDALE**

Section 1. The text of Troutdale Comprehensive Land Use Plan Goal 11 Public Facilities and Services is hereby amended to read as shown in Attachment A.

**YEAS:**

**NAYS:**

**ABSTAINED:**

\_\_\_\_\_  
**Doug Daoust, Mayor**

Date \_\_\_\_\_

\_\_\_\_\_  
**Debbie Stickney, City Recorder**

**Adopted:**

**ATTACHMENT A**



**CITY OF TROUTDALE**

**Proposed Amendment to the  
Troutdale Comprehensive Land Use Plan**

**Amending:**

**Troutdale Comprehensive Plan Goal 11  
Public Facilities and Services**

**Relating to:**

**Task 3 of the City's Periodic Review Work Program**

*This project is funded by Oregon general fund dollars through the Department of Land Conservation and Development. The contents of this document do not necessarily reflect the views or policies of the State of Oregon.*

*Explanation of Amendment. The text of current Goal 11 of the Troutdale Comprehensive Land Use Plan is being eliminated in its entirety and replaced with the following text and maps.*

## GOAL 11 – PUBLIC FACILITIES AND SERVICES

### Public Facilities Plan

The Comprehensive Plan provides basic information about water, sanitary sewer and storm drainage facility needs over the next twenty years, including a list of needed projects, maps showing the locations of those projects and policy language regarding coordination with other providers of these services in Troutdale. More detailed information about existing and future public facility needs is found in the City's Public Facilities Plan adopted by the City as an implementing element of this Comprehensive Plan.

### Needed Facility Projects

Per Oregon Administrative Rule requirements, the following public facility project list is incorporated in this Comprehensive Plan, consistent with the City's adopted Public Facilities Plan (PFP) and individual infrastructure Master Plans for water, sanitary sewer and stormwater drainage facilities. However, inclusion of this list in the Comprehensive Plan does not result in an obligation on the part of the City to build the projects listed below as described in the PFP or to meet the timeframe listed for the projects in the PFP. The project list is based on known regulatory requirements and current or previous assumptions about growth and the direction of future development. The list is intended only to provide a general indication of the facilities needed to support future growth. If growth trends change, or if new regulations are imposed on the City, or if technologies emerge that satisfy needs using different methods than those assumed in master plans, the City may revise its public facilities investment strategy without amending the Comprehensive Plan or PFP

#### Sanitary Sewer System

<b><i>Sewer Pipe Upgrades</i></b>
Sewer pipe upgrades South Buxton Road
Sewer pipe upgrades Lower Beaver Creek No. 1
Sewer pipe upgrades Lower Beaver Creek No. 2
Sewer pipe upgrades Lower Beaver Creek No. 3
Sewer pipe upgrades Lower Beaver Creek No. 4
Sewer pipe upgrades Lower Beaver Creek No. 5
Sewer pipe upgrades Troutdale Road
Sewer pipe upgrades Airport/Graham Road

Sewer pipe upgrades PS 9 Trunk
<b><i>Pump Station and Force Main Improvements</i></b>
Pump Station/Force Main Upgrades PS-1
Pump Station Upgrades PS-2
Pump Station Upgrades PS-5
Pump Station Upgrades PS-7
Pump Station Upgrades PS-9
<b><i>Sewer System Extensions</i></b>
Reynolds Industrial Park sewer extension

Water System

<b><i>Connectivity Projects</i></b>
Pressure Zone 5 Fire Flow Improvements
Serve South Urban Plan Area
Serve Strebin Farm area
Rehab Booster Pump Sta. #2
Rogers Road Loop
Beaver Creek Crossing
Jackson Park Road Waterline
Reservoir 5 to Zone 1 Line
<b><i>Supply Projects</i></b>
Comprehensive Well Assessment
Well 2 Perform. Monitoring
New Well 9
Well 8 Assessment/Rehab
Well 3 Assessment/Rehab
Well 6 Assessment/Rehab
Well 7 Assessment/Rehab
Improving Water Quality
Recoat Interior of Steel Reservoir
<b><i>Resiliency Projects</i></b>
Reservoir Seismic Study
New Above Ground Storage Reservoir
Reservoir 2 Seismic Improvements
Reservoirs 1, 3, 4 Seismic Improvements

Storm Drainage System

<b><i>North Troutdale Drainage Projects</i></b>
Salmon Creek Weir Improvement
Arata Creek Drain Line – Marine Dr to Salmon Creek
South Arata Creek Culvert Improvement
Columbia River Highway Bypass
Marine Drive Curve Bypass South of Airport
NW Graham Road Storm Drainage
NW Dunbar Avenue Storm Drainage
<b><i>South Troutdale Drainage Projects</i></b>
Low Impact Development (LID) Pilot Project Subbasin SR080*
Pipe Upsizing South Buxton Road
Curb Installation Between SE 15th Street and SE 16th Court
Pipe Upsizing SE 21st Street
Pipe Upsizing NW 257th Avenue*
Sandee Palisades Detention Pond Retrofit Subbasin SR220
Strawberry Meadows Detention Pond Retrofit Subbasin BC210
Vegetated Infiltration Facility (Retention Pond) Weedon Park (Subbasin BC300)
Stuart Ridge Detention Pond Retrofit Subbasin BC590
Vegetated Infiltration Facility (Rain Garden) Sweetbriar Park (Subbasin BC920)
Stormwater Planters (Green Streets) SE Evans Street (Subbasins BC510 and BC520)
Stormwater Planters (Green Streets) SW 21st Avenue (Subbasin BC200)
<b><i>South Troutdale Road Drainage Projects</i></b>
Alternative 1 - North of Cochrane Road
Alternative 5 - South of Cochrane Road

## **Public Facility Provider Policies and/or Agreement**

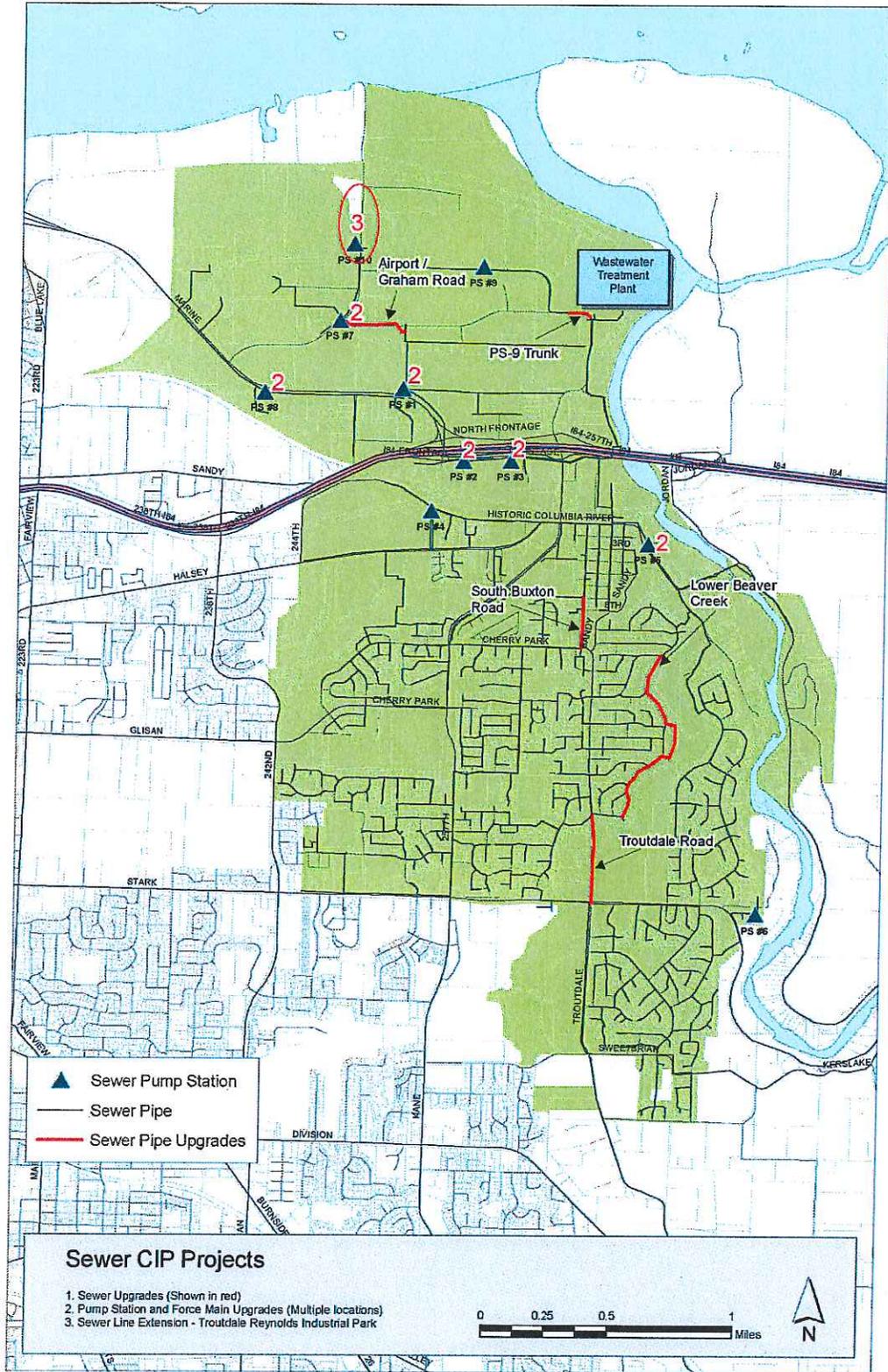
Following is a summary of information related to coordination between the City of Troutdale and other water, sewer and storm drainage providers in the area.

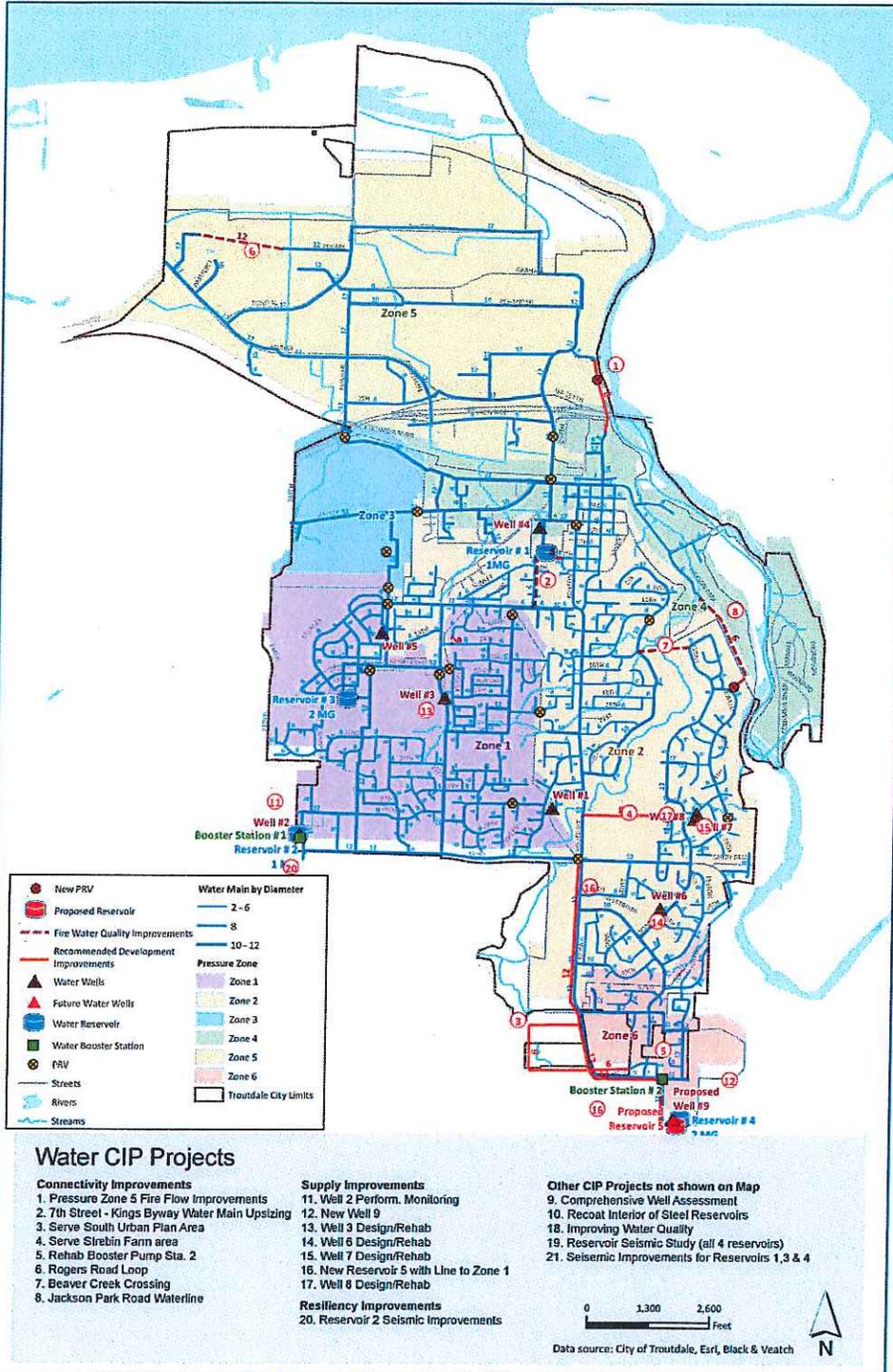
- **Water Services.** The City of Troutdale is the sole provider of potable water services within the boundaries of the City. It has interties and emergency service agreements with the cities of Gresham, Fairview and Wood Village.
- **Sanitary Sewer Services.** The City of Troutdale is the sole provider of sanitary sewer services within the boundaries of the City.

- **Storm Drainage.** The City is the primary provider of storm drainage services within the City. Multnomah County and the Oregon Department of Transportation provide storm drainage facilities associated with their respective roadways, and in certain cases the City and County systems interconnect. The Sandy Drainage Improvement Company provides storm drainage and flood control facilities and services in the North Troutdale area in conjunction with the City's systems, as described in the Public Facilities Plan and the North Troutdale Storm Drainage Master Plan. The City coordinates storm drainage services with that District pursuant to those plans, as well as with the Oregon Department of Environmental Quality, the Oregon Department of Transportation, Multnomah County, neighboring jurisdictions, and City residents.

## **Maps of Needed Projects**

The maps that follow show the location of needed projects for the City's water, sanitary sewer, and storm drainage systems.





### Water CIP Projects

#### Connectivity Improvements

1. Pressure Zone 5 Fire Flow Improvements
2. 7th Street - Kings Byway Water Main Upsizing
3. Serve South Urban Plan Area
4. Serve Sirebin Farm area
5. Rehab Booster Pump Sta. 2
6. Rogers Road Loop
7. Beaver Creek Crossing
8. Jackson Park Road Waterline

#### Supply Improvements

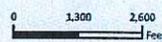
11. Well 2 Perform. Monitoring
12. New Well 9
13. Well 3 Design/Rehab
14. Well 6 Design/Rehab
15. Well 7 Design/Rehab
16. New Reservoir 5 with Line to Zone 1
17. Well 8 Design/Rehab

#### Resiliency Improvements

20. Reservoir 2 Seismic Improvements

#### Other CIP Projects not shown on Map

9. Comprehensive Well Assessment
10. Recoat Interior of Steel Reservoirs
18. Improving Water Quality
19. Reservoir Seismic Study (all 4 reservoirs)
21. Seismic Improvements for Reservoirs 1, 3 & 4



Data source: City of Troutdale, Esri, Black & Veatch



