

**MEMORANDUM**

City of Springfield

**Date:** May 6, 2008**To:** Springfield Planning Commission  
Lane County Planning Commission**COMMISSION****BRIEFING****From:** Gregory Mott, Planning Manager**MEMORANDUM****Subject:** Amendment to the Eugene-Springfield Metropolitan Area General (Metro Plan) and the Eugene-Springfield Metropolitan Area Public Facilities and Services Plan (PFSP)

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**ISSUE:**

The City of Springfield has determined that upgrades to the city's wastewater collection system need to be undertaken in order to provide wastewater service to future planned population and employment growth. Several of these upgrades need to be included in the lists and maps of the Metro Plan and the Public Facilities and Services Plan. Inclusion of these projects into these documents requires a post-acknowledgement plan amendment; the Lane County Board of Commissioners must co-adopt these amendments because several of these facilities are outside the city limits; by provision in the Metro Plan, the City of Eugene is not required to participate and has opted not to do so.

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**BACKGROUND:**

The City of Springfield completed an analysis of its wastewater collection system and has used this analysis as a basis for development of the Wastewater Master Plan – 2008 (WWMP). The WWMP replaces several earlier sanitary sewer plan/studies that attempted to address issues and needs on a basin by basin basis. These earlier studies were based on Springfield having its own treatment plant facility (formerly located at Aspen and West D); on various state and federal water quality laws subsequently superseded; and on data not on par with the quantity and quality of data currently available to undertake such an analysis. The WWMP unifies the city's collection system under a single plan; acknowledges the single regional treatment plant and makes appropriate adjustments to new environmental laws. The WWMP makes a number of comprehensive recommendations for improvement to the system including upgrades to several pipe systems and pumps. The significance of some of these facilities upgrades requires their inclusion in the Metro Plan and PFSP as specified in Oregon Administrative Rule 660 Division 11 – Public Facilities Planning.

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**DISCUSSION:**

All cities over 2,500 population are required by law to prepare and adopt public facilities plans (Goal 11; OAR 660-011). These plans must include the following elements:

- \* an inventory and general assessment of the condition of all significant public facility systems which support the land uses designated in the acknowledged comprehensive plan;
- \* a list of the significant public facility projects which are to support the land uses designated in the acknowledged comprehensive plan;
- \* rough cost estimates of each public facility project;
- \* a map or written description of each public facility project's general locate or service area;

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- \* policy statements or urban growth management agreement identifying the provider of each public facility system;
  - \* an estimate of when each facility will be needed; and,
  - \* a discussion of the provider's existing funding mechanisms and the ability of these mechanisms to fund the development of each public facility project.

*The law also requires cities to adopt into their comprehensive plans the lists, maps and the policies or growth management agreements designating the provider of each of these services. (Emphasis added)*

In 2001 Eugene, Springfield and Lane County completed an update of the 1987 Public Facilities Plan (now the Public Facilities and Services Plan – December 2001) and Chapter III, Section G Public Facilities and Services Element of the Metro Plan. The PFSP and Chapter III, Section G of the Metro Plan were amended in 2004 and again, after remand from the Land Use Board of Appeals, in 2006. The 2004 and 2006 amendments included tables identifying all pipe projects 24 inches and larger; all pump stations and a number of treatment facilities including the treatment plant, residual treatment projects and beneficial reuse projects. These projects, their description and their location on various maps were also adopted into the Metro Plan in compliance with state law.

Subsequently, the City has completed a wastewater management master plan that: “provides an assessment of existing and future needs for the City’s collection system...[It] is intended to identify existing and future capacity constraints, determine capacity requirements and identify system improvements necessary to meet the city of Springfield’s projected population and employment growth through the (2025) planning year.”

The WWMP does not replace the PFSP; the analysis and most of the recommendations are appropriate to a local master plan strategy for wastewater collection rather than the region-wide system of primary collection and treatment contained in the PFSP and Metro Plan. OAR 660-011-0010 recognizes this distinction between mandated public facilities planning and local efforts to manage this service: “It is not the purpose of this division to cause duplication of or to supplant existing applicable facility plans and programs. Where all or part of an acknowledged comprehensive plan, facility master plan either of the local jurisdiction or appropriate special district, capital improvement program, regional functional plan, similar plan or any combination of such plans meets all or some of the requirements of this division, those plans, or programs may be incorporated by reference into the public facility plan required by this division. Only those referenced portions of such documents shall be considered to be a part of the public facility plan and shall be subject to the administrative procedures of this division and ORS Chapter 197.”

Rather than adoption by reference, the City is simply amending the Metro Plan and PFSP project lists and maps to include the upgrade recommendations contained in the WWMP for all pipes 24 inches and larger; all pump stations; and the removal of completed projects or those projects that are no longer necessary within Springfield’s jurisdiction. The City will rely on the recommendations in the WWMP for local decisions regarding wastewater system improvements when such detailed direction is not provided in the Metro Plan or PFSP.

Amendment of the Metro Plan and PFSP require affirmative findings addressing the following criteria:

*The amendment shall be consistent with the relevant Statewide planning goals adopted by the Land Conservation and Development Commission; and*

*Adoption of the amendment shall not make the Metro Plan internally inconsistent.*

The staff report attached to this Briefing Memorandum addresses all the goals applicable within the city’s urban growth boundary, the relationship of these goals to the proposed

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amendments; the administrative rules applicable to public facilities plans and public facilities plans amendments; and the statutory requirements for comprehensive plan amendments.

The findings also address the question of Metro Plan internal consistency as that question relates to the inclusion of these projects in the tables and maps contained in both the Metro Plan and the PFSP.

These findings demonstrate the proposal is consistent with the applicable plan policies; that the amendments comply with statewide planning goals; and that the amendments comply with Oregon Administrative Rules. Before the Planning Commissions can make a final recommendation on this proposal, all the evidence submitted into the record of this proceeding must be considered, including the findings in Attachment 3.

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**RECOMMENDED ACTION:**

Conduct a public hearing on these proposed Metro Plan and Public Facilities and Services Plan amendments, consider public testimony and findings, and forward a recommendation to the City Council.

- Attachments:
1. Executive Summary of the Wastewater Master Plan
  2. Wastewater Master Plan – 2008
  3. Staff Report and Findings in Support of Proposed Amendments
  4. Proposed Table 4
  5. Proposed Table 16
  6. Existing Map 2
  7. New projects Map; to be included to existing Map 2 upon adoption
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# Executive Summary

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## Background

The City of Springfield provides wastewater collection and conveyance services using a system of pipelines and pump stations that it owns and operates. Along with the City of Eugene, Springfield discharges to a regional collection and treatment system owned by the Metropolitan Wastewater Management Commission (MWMC). Springfield's collection system discharges to the East Bank Interceptor, a MWMC facility. The master plan provides an assessment of existing and future needs for the City's collection system. Because the City's system contributes to the regional system, the master plan must consider and reflect results of the MWMC's Wet Weather Flow Management Plan (WWFMP) that identified improvements and activities for the wastewater collection and treatment facilities in the Eugene/Springfield (E/S) metropolitan area. That plan determined the most cost-effective and politically feasible solution for managing excessive wet weather wastewater flows acceptable to the MWMC and the Eugene and Springfield communities. Therefore, Springfield's plan provides a local solution for existing and future needs in the context of the regional solution. This is most evident in the level of I/I reduction achieved through pipeline rehabilitation which has been an ongoing system improvement activity following the WWFMP completion in 2001.

The Springfield Wastewater System Master Plan is intended to identify existing and future capacity constraints, determine capacity requirements and identify system improvements necessary to meet the city of Springfield's projected population and employment growth through the (2025) planning year. The hydraulic model used to develop Springfield's Wastewater Master Plan (WWMP) was developed with current inventory and land use data provided by the City. Wet Weather Flow Management Plan (WWFMP) results were considered, and based on additional monitoring data and updated modeling results, a refined solution for Springfield was developed.

Goals of this plan include:

- management of collection system flows and review of projected infiltration and inflow (I/I) removal requirements established in the WWFMP so as to not exceed the capacity of the MWMC Regional Wastewater Facilities currently being upgraded to meet projected flows and loads through 2025,
- providing continued public health and safety, and
- guidance to the development community.

## Regulatory Drivers

DEQ has issued a NPDES (National Pollutant Discharge Elimination System) permit (#102486) for Springfield, Eugene and MWMC, which includes conditions under which treated wastewater can be discharged to the Willamette River. Included in those conditions is the requirement that Springfield, Eugene and MWMC fully implement the WWFMP, and that no discharges of untreated wastewater can be discharged to the waters of the state and US except under the following conditions; for flows greater than those occurring for the 24-hour duration,

1 in 5-year winter and 1 in 10-year summer storms. These conditions form the baseline assumptions for overflow avoidance in this plan and are consistent with the assumptions of the WWFMP. The Springfield/Eugene/MWMC NPDES permit will expire December 31, 2007 and DEQ is currently drafting a permit that will cover management of the wastewater system for the subsequent five years.

## Public Process

*To be completed by City of Springfield staff*

## Alternative Analysis

### Deficiencies

The design storm was applied to the calibrated model to evaluate the existing (2007) pipeline system. System deficiencies were identified and are based on locations where the hydraulic grade line (simulated water surface) is within 2 feet or less than the ground surface elevation. This occurs at a number of locations, therefore, sanitary sewer overflows are possible, particularly in the downtown area and in the eastern end of the Thurston trunk and connecting pipelines to the Main St. trunk.

### Improvement Options

1. **Reduction Through Pipeline Rehabilitation** - Rehabilitation has the potential to reduce construction costs – larger pipes may not be necessary if peak flows due to I/I can be reduced. Consistent with the WWFMP, rehabilitation is assumed to consist of main lines and laterals within the public right-of-way (“public only”).

The WWFMP includes recommendation for the Formulation/Definition and Implementation of a Voluntary Private Lateral Program. While the additional reduction due to private lateral replacement is not assumed in the solutions presented, it has been identified as a future program by the City and is described in Section 5.4.5 of the plan.

2. **Pipeline Replacement With Larger Pipes** – This option increases pipe diameters to create more capacity to convey peak flows. These improvements can also involve a pipe in parallel with the existing line, where the existing line is maintained and its capacity utilized.
3. **Diversions Pipelines** - This option involves installation of new pipes to divert flow from locations with limited capacity to those with available capacity.
4. **Pump stations** - When pump stations in collection system do not have capacity to convey the peak flow with the largest pump out of service, they are identified for improvement.

Storage was not considered a cost effective option. Infiltration and Inflow reduction, conveyance improvements, and additional treatment capacity consistent with the MWMC

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Facilities Plan were ultimately selected for implementation. In addition, storage was thought to be more of a problem with implementation and siting (being a good neighbor) than any public amenity opportunities (parks, etc.) it would offer.

### **Existing System Improvements**

Gravity replacement pipes, parallel pipes, diversions and pump station upgrades, in addition to system rehabilitation are required to eliminate sanitary sewer overflows under existing conditions (see Figure ES-1). A diversion pipe proposed to convey flow from the Thurston trunk to the Main St. trunk will avoid more costly improvements along both trunk lines.

There are 6 manholes evaluated in the model where improvements do not eliminate hydraulic grade lines (HGLs) within 2 feet of the ground surface. There is no surface flooding at these locations and they are relatively isolated and distributed in the system. The HGL elevations are not the result of local pipeline capacity or high levels of I/I but are the result of the backwater produced by surcharge in pipelines downstream of these locations. As a result, the extent of additional improvements required to further reduce the HGL would likely be hundreds of feet of pipeline replacement to achieve HGL compliance at a relatively few manhole locations. The cost would be far greater than the recommended improvement to install water tight manhole covers at these limited number of manholes.

### **Future System Improvements**

Future improvement projects are identified to eliminate system deficiencies observed when the future flows are applied to the system after improvements for existing conditions are made. The model indicates surface flooding at multiple downtown locations around the 21<sup>st</sup> and E pump station and at the eastern end of the Main St. trunk, which requires the identification of additional improvements. In most cases the future deficiencies require improvements in additional areas where no improvement has been identified for existing conditions.

Additional rehabilitation is included as part of the future improvements to meet 2001 WWFMP targeted peak flow reductions. One additional improvement along the Main St. trunk is necessary to address remaining deficiencies resulting from future land use. Table 5.5 lists the projects. These projects are separate and distinct from the projects identified from the existing conditions.

There are 4 manholes in addition to those identified for existing conditions, where improvements do not eliminate HGL's within 2 feet of the ground surface. For the same reasons as previously stated, the extent of additional improvements required to further reduce the HGL are greater than the recommended improvement to install water tight manhole covers at these limited number of manholes.

### **Expanding System to Meet Development Needs**

Several areas have been identified for future development that are not served by the system as it existed in 2007. To plan for the needed infrastructure to service these areas, design peak flows were developed and the needed pipe locations, diameters and lengths were calculated as follows.

Ground elevations at locations along the probable pipe route were determined along with manhole depths and preliminary pipe slope. Based on the projected flow, the City's design standard, and calculated pipe slope, pipe diameters were calculated. To assist the City in future refinements to this master plan level of design, the expanded service pipes and manholes were entered into the hydraulic model based on estimated manhole depths. Pipe diameters for the expansion areas should be reviewed and adjusted as updated information becomes available.

With the exception of the Harbor Drive area, all areas are expected to be developed within the 20-year planning time frame (see Figure 5.5 of the plan).

## **CIP Recommendations**

Shown on Figure ES-1 and listed in Table ES-1 is a complete listing of existing and future pipeline and pump station improvements. The table provides information in the following categories:

- Project location
- Comments on project characteristics
- Project to serve expansion areas
- Costs
- Priority provided by City of Springfield
- A proposed implementation year (or range of years)

In the COMMENTS section of the CIP project listing, the diameter increase for existing pipelines that is required for future flow conditions is provided. For cases where an existing pipe needs to be upsized for both the existing and future conditions, the diameter required for both land use conditions is provided with the assumption that the diameter required for future land use will be installed.

Pipes for expanded (currently un-served) areas serving future development areas and their associated costs are also shown in the CIP section of the master plan.

The project priorities are based on a review of the projects by City staff and their understanding of other system drivers including health and safety, environmental impacts and development patterns. In addition, downstream to upstream logic, availability of monitor data in close proximity to improvement locations and basin boundaries, and quality of calibration were also considered. This results in recommendations for implementation and potential additional actions to refine project needs and associated characteristics that affect project costs.

## **SDC Allocations**

In order to identify the relative contribution to the projects by land use condition, peak flows are provided for existing and future land use conditions for each project. Based on those peak flows a percentage of peak flow was calculated for existing and future land use.

TABLE ES-1  
**Capital Improvement Project Listing**  
**Springfield Wastewater Master Plan**

Springfield Wastewater Collection System Improvements											
Project ID	Purpose	Existing Dia (Inch)	Proposed Diameter (Inch) or Peak Rate (gpm)	No of MHs	Length (ft)	Description	Comments	Priority	Proposed Year	Construction Cost	Total Cost
1	Existing upgrade	--	24	22	6418	Parallel existing 24-inch pipe with new 24-inch pipe from MH10033730 d/s to MH10033409	Will require 300 ft auger bore (bore & jack) 36-steel casing \$75,000 (at \$250/ft) under Hwy 126	6	2009 - 2010	\$2,539,000	\$3,935,000
2	Existing upgrade	12	21	4	795	Replace existing 12-inch with 21-inch from MH10033284 u/s to MH10033293	Used to control simulated overflow at MH10033395. Downstream pipe segment from MH10033284 u/s to MH10033294 is upgraded to 27-inch for future improvements.	10	2010 - 2011	\$307,000	\$476,000
3	Existing upgrade	12	18	5	1112	Replace existing 12-inch with 18-inch from MH10034175 u/s to MH10034164		19	2013 - 2014	\$398,000	\$617,000
4	Existing upgrade	10	12	11	1538	Replace existing 10-inch with 12-inch from MH10033706 d/s to MH10033719	Crosses Mohawk Blvd	20	2103 - 2014	\$477,000	\$739,000
5	Existing upgrade	15	24	21	4161	Replace existing 15-inch with 24-inch pipe from MH10034054 d/s to MH10033730. <b>Project not required if future rehabilitation is performed.</b>	Flow monitoring basins 83 and 84 just u/s of improvements. Calibration fair in this area.			\$1,625,000	\$2,519,000
6	Existing upgrade	10	15	6	1231	Replace existing 10-inch with 15-inch pipe from MH10033920 d/s to MH10033982. <b>Project not required if future rehabilitation is performed.</b>	Flow monitoring suggested prior to preliminary design			\$391,000	\$606,000
7	Existing upgrade	27/36	--	--	--	Flow at vault on west d/s end of Main Street Interceptor reconfigured to prevent flow from going north. All flow is diverted south.	No construction assumed. Reconfiguration of flow achieved through valve or weir adjustments.			--	--
8	Existing upgrade	10	15	3	714	Replace existing 10-inch with 15-inch from MH10034589 u/s to MH10034519.	Lucerne Meadows LS is routed to the West. As of 2007, this LS discharged to the north through these pipe segments.			\$224,000	\$347,000
9	Existing upgrade	--	15	17	4837	New 15-inch wet weather bypass from MH10035662 d/s to MH10035367.	Bypass weir set at 496.0 ft elevation (COS) at MH10035662. Crosses Bob Straub Pkwy at start of I105.	8	2010 - 2011	\$1,416,000	\$2,195,000
10	Existing upgrade	15/18	21--existing, 24--future	11	3589	Replace existing 15-inch and 18-inch pipe with 24-inch from MH10035908 d/s to MH10035636.	A 21-inch is necessary for existing land use. For future land use, this project is upgraded to a 24-inch pipe. Flow monitoring is recommended prior to preliminary design.	11	2010 - 2011	\$1,356,000	\$2,102,000
11	Existing upgrade	12	15	9	1014	Replace existing 12-inch with 15-inch from MH10035903 d/s to MH10035835.	Flow monitoring is recommended prior to preliminary design	15	2012 - 2013	\$348,000	\$539,000
12	Existing upgrade	10	12	3	529	Replace existing 10-inch with 12-inch from MH10036187 d/s to MH10036186.	Flow monitoring is recommended prior to preliminary design	16	2012 - 2013	\$159,000	\$246,000
Rehabilitation for I/I Reduction	Existing Rehab	Varies	8-12	--	23,548	All rehab in basin SN 22. This completes the existing rehab listed in the 2001 WWFMP.	Review cost effectiveness relative to conventional conveyance improvements	5	2009 - 2010	\$3,908,968	\$7,573,000
Nugget Way PS	Existing upgrade	642 gpm (single pump) 898 gpm (pumps 1 & 2)	911 peak wet weather	--	--	Upgrade 2 pump system with 911 gpm capacity each	Flow monitoring suggested prior to preliminary design	3	2008 - 2009	\$769,417	\$1,443,000
Hayden PS	Existing upgrade	380 gpm (single pump)	483 gpm existing peak, 494 gpm future peak	--	--	Upgrade 2 pump system with 494 gpm capacity each	Flow monitoring suggested prior to preliminary design	21	2013 - 2014	\$560,379	\$1,050,000
River Glen PS	Existing upgrade	379 gpm (single pump)	525 gpm existing peak, 664 gpm future peak	--	--	Upgrade 2 pump system with 664 gpm capacity each	Flow monitoring suggested prior to preliminary design	22	2014 - 2015	\$653,152	\$1,224,000
13	Future upgrade	12	18	6	2224	Replace existing 12-inch pipe with 18-inch pipe from MH10035908 u/s to MH10036270.		13	2011 - 2012	\$739,000	\$1,145,000
14	Future upgrade	10	12	3	325	Replace existing 10-inch pipe with a 12-inch pipe from MH10036195 d/s to MH10036187		17	2012 - 2013	\$105,000	\$163,000
Rehabilitation for I/I Reduction	Future rehab	Varies	8-12	--	31,211	22.6k ft in SN19, 7k feet in SN48, 1.5k feet in SN49. This plus reduction due to pipe improvements completes the future rehab listed in the 2001 WWFMP.	Review cost effectiveness relative to conventional conveyance improvements	SN19 - 1 SN48&49 - 9	2008-2009 2010-2011	\$5,181,026	\$10,038,000

Project ID	Purpose	Existing Dia (Inch)	Proposed Diameter (Inch) or Peak Rate (gpm)	No of MHs	Length (ft)	Description	Comments	Priority	Proposed Year	Construction Cost	Total Cost
Harbor Drive	System expansion	--	8 (gravity) and 5 (force main)	32	7818	Service requirements: 1) new "Harbor Drive" PS equipped with 2 pumps each with 145 gpm capacity. 2) 134 ft of 5-inch to extend existing "dry pipe" force main 3) 7684 ft of 8-inch pipe to service entire neighborhood.	Project evaluated if river crossing reduced cost. Most cost effective solution makes use of the existing "dry pipe" force main in place north of the neighborhood..	25	2017 -2018	\$2,156,000	\$3,342,000
Jasper Road	System expansion	--	10, 12, 21	89	22992	Extends system along Jasper Road to allow for the decommissioning of Lucerne Meadows and Golden Terrace PSs. Service requirements: 1) 2581 ft of 10-inch pipe, 2) 3395 ft of 12-inch pipe, and 3) 17016 ft of 21-inch pipe.		4	2008-2010	\$7,496,000	\$11,619,000
Franklin Blvd	System expansion	--	8, 15	27	6280	Extends the system from the existing 30-inch south along Franklin Blvd. Service requirements: 1) 2411 ft of 8-inch pipe, and 2) 3868 ft of 15-inch pipe.	Includes the 150 trailer parcels not originally contained in the GIS.	2	2008 - 2009	\$1,934,000	\$2,998,000
Thurston Rd	System expansion	--	8	17	3882	Extends the system from the existing 15-inch east along Thurston Road. Service requirements are 3882 ft of 8-inch pipe.		24	2016 - 2017	\$949,000	\$1,471,000
McKenzie Hwy	System expansion	--	10,12	17	3906	Extends the system from the existing 21-inch east along McKenzie Highway. Service requirements: 1) 1924 ft of 10-inch pipe, and 2) 1983 ft of 12-inch pipe.	Pipe extended east as far as grade supported gravity flow. Last manhole shown is at crest of hill.	14	2011 - 2012	\$1,049,000	\$1,626,000
Vera Area	System expansion	--	8, 12	39	9583	Serves the development east of the new Vera pump station. Service requirements: 1924 ft of 10-inch pipe and 1983 ft of 12-inch pipe.		23	2014 - 2016	\$2,570,000	\$3,984,000
PeaceHealth/Riverbend PS	System expansion	--				Pump station designed as part of the PeaceHealth/Riverbend Campus Development.	Basis for cost is the <i>Sanitary Sewer Study for Riverbend Subdivision (KPFF Consulting Engineers, 2005). Costs adjusted to 2008 dollars.</i>	12	2011 - 2012	\$2,232,930	\$3,189,900
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Existing Subtotal										\$15,131,917	\$25,611,000
Future Subtotal										\$6,025,026	\$11,346,000
System Expansion Subtotal										\$18,386,930	\$28,229,900
Total										\$39,543,873	\$65,186,900



## Staff Report and Findings of Compliance with the Metro Plan and Statewide Goals and Administrative Rules

File LRP 2000-0007 Amendments to the Metro Plan and Public Facilities and Services Plan

### **Applicant:**

City of Springfield, Public Works Department

### **Nature of the Application:**

The applicant proposes to amend the Eugene–Springfield Metropolitan Area General Plan (Metro Plan) and the Public Facilities and Services Plan (PFSP) to: (1) add or modify nine projects to Table 4 of the PFSP including five pump stations and four wastewater lines 24 inches in diameter or larger; (2) delete four projects from Table 4 and five projects from Table 16 of the PFSP which have been constructed or deemed unnecessary; and, (3) update Map 2 in the PFSP to indicate the general location of these new projects added to Table 4.

### **Background:**

Metro Plan-PFSP-Local Facilities Plan Context

Oregon state land use law (Goal 11, OAR 660-011) requires all cities with a population over 2,500 to develop and adopt a public facilities plan for the area within the city's urban growth boundary. The public facilities plan is a support document or documents to a comprehensive plan. Certain elements of the public facility plan also shall be adopted as part of the comprehensive plan; these elements include a list of public facility project titles, (excluding the descriptions or specifications of those projects if so desired by the jurisdiction); a map or written description of the public facility projects' locations or service areas; and the policies or urban growth management agreement designating the provider of each public facility system. (OAR 660-011-0045)

In 2001 the governing bodies of Eugene, Springfield and Lane County repealed the 1987 Public Facilities and Services Plan and replaced it with the Eugene-Springfield Metropolitan Area Public Facilities and Services Plan, December 2001 (subtitled: A Refinement Plan of the Eugene-Springfield Metropolitan Area General Plan.). One of the results of this action is described in the PFSP as follows: "Chapter II of this plan recommends text amendments to the *Metro Plan* which are adopted as part of, and are incorporated into, the *Metro Plan*. The project lists and maps in Chapter II are also adopted as part of the *Metro Plan* but are physically located in this refinement plan. If there are any inconsistencies between this plan and the *Metro Plan*, the *Metro Plan* prevails." (Page 1, Introduction, PFSP)

This text confirms that the PFSP is a refinement plan of the Metro Plan; that both the PFSP and the Metro Plan “co-adopted” the project lists, maps and policies as required by OAR 660-011-0045; that the project lists and maps do not physically appear in the published Metro Plan but instead are to be found in the PFSP; and that amendment of the project list, maps or policies, because they are co-adopted into both the Metro Plan and PFSP, require identical amendment to both those documents if changes are made.

In February 2004 the City of Springfield, on behalf of the Metropolitan Wastewater Management Commission, initiated amendments to the Metro Plan and PFSP project lists, maps and policies. These amendments were adopted by the governing bodies in July 2004, but were appealed to the state Land Use Board of Appeals (LUBA). LUBA remanded some of these amendments (project lists) which were subsequently changed accordingly by the elected officials of Eugene, Springfield and Lane County and again adopted as amendments to the Metro Plan and the PFSP in November and December, 2006.

On April 21, 2008 the Springfield City Council, on behalf of the Public Works Department of the City of Springfield, initiated amendments to the Metro Plan and PFSP to incorporate specific recommendations found in the City of Springfield’s draft Wastewater Master Plan – February 2008. (Attachment #2) This plan recommends the addition or modification of 9 projects and the removal of 4 projects that have been completed or are no longer necessary. All of these projects are part of the City’s collection system (not MWMC projects) and serve only the residents and businesses of the City of Springfield. Notwithstanding the single jurisdiction service purpose of these new projects, the Metro Plan (Page V-4, Public facility projects: (b) Wastewater) requires *all* pump stations, and all wastewater lines 24 inches or larger, to be identified in the project lists and maps. Because the Metro Plan “prevails” if there are any inconsistencies between the Metro Plan and the PFSP, the PFSP project lists and maps also must show all pump stations and wastewater lines 24 inches or larger.

#### Wastewater Master Plan – 2008

The City’s Wastewater Master Plan (WWMP) is a citywide public infrastructure plan that evaluates existing and future demand on the wastewater collection system (based on projected population and employment growth through the year 2025) and makes recommendations for system improvements (capacity and efficiency). The WWMP was initiated by Council to update the 1980 Sanitary Sewer Master Plan, and to assist in the implementation of the Metropolitan Wet Weather Flow Management plan, adopted by the Metropolitan Wastewater Management Commission.

The City’s WWMP is not a substitute for the wastewater systems planning that appears in Chapter III of the Metro Plan or throughout the PFSP; Oregon Administrative Rule 660-011-0010 identifies the constituent components of public facility plans including how these state requirements relate to other public facilities planning that may be prepared by cities and authorized service providers:

“(3) It is not the purpose of this division to cause duplication of or to supplant existing applicable facility plans and programs. Where all or part of an acknowledged comprehensive plan, facility master plan either of the local jurisdiction or appropriate special district, capital improvement program, regional functional plan, similar plan or any combination of such plans meets all or some of the requirements of this division, those plans, or programs may be incorporated by reference into the public facility plan required by this division. Only those referenced portions of such documents shall be considered to be a part of the public facility plan and shall be subject to the administrative procedures of this divisions and ORS Chapter 197.”

Taken in its entirety, this rule provision is intended to allow cities to adopt existing public facilities documents, rather than prepare new ones, where those documents satisfy the standards of OAR 660-011. This rule provision does not invalidate other elements of these local planning efforts that do not address provisions of the rule; it simply qualifies those elements of local planning documents that can be used to meet this rule and in so doing, obligates such elements to the requirements of ORS 197 (goals compliance; post-acknowledgment plan amendment procedures). The City is not proposing to reference any elements of the WWMP as provided in OAR 660-011-0010, but does contend that the development and application of the WWMP is consistent with the following Metro Plan policy:

“G.2 Use the planned facilities maps of the Public Facilities and Services Plan for water, wastewater, stormwater, and electrical projects in the metropolitan area. *Use local facility master plans, refinement plans, and ordinances as the guide for detailed planning and project implementation.*” [Emphasis added]

The WWMP recommends a variety of projects and programs to achieve the stated goal of the plan: “Identify existing and future capacity constraints, determine capacity requirements and identify system improvements necessary to meet the city of Springfield’s projected population and employment growth through the (2025) planning year.” The following project recommendations need to be included in the lists and maps in the Metro Plan and PFSP:

**For inclusion in Table 4:**

Project #104 - Jasper Road sewer extension

System extension in the general vicinity of Jasper Road to collect flow from future development I the Jasper-Natron area

Project #105 – 10<sup>th</sup> and N Street Upgrade

Construct parallel 24 inch pipe to increase capacity of existing system to accommodate wet weather flows

Project #106 – E Street (Central Trunk) upgrade

Construct 24 inch pipe to increase capacity of existing system to accommodate wet weather flows

Project #107 – Main Street sewer upgrade #1

Construct 24 inch pipe to increase capacity of existing system to accommodate wet weather flows

Project #108 – Nugget Way pump station upgrade

Increase pump station capacity to accommodate wet weather flows with the largest pump out of service

Project #109 – Hayden Lo pump station upgrade

Increase pump station capacity to accommodate wet weather flows with the largest pump out of service

Project #110 – River Glen pump station upgrade

Increase pump station capacity to accommodate wet weather flows with the largest pump out of service

Project #202 – Harbor Drive pump station

New pump station to collect flow from future development in the vicinity of the South 2<sup>nd</sup> Street area

Project #203 – PeaceHealth pump station

New pump station to collect flow from future development in the vicinity of Deadmond Ferry Road and Baldy View Drive

**For deletion from Table 4:**

Project #105 – Game Farm Road trunk sewer

Project #106 – Gateway/Harlow Road pump station upgrade

Project #202 – East Glenwood gravity sewer

Project #203 – 19<sup>th</sup> Street pump station

NOTE: Table 16 contains the same projects found in Table 4 proposed for inclusion or deletion; in addition Table 16 provides cost estimates and completion year estimates for each project. Please refer to Attachments #4, #5, and #6.

**Metropolitan Area General Plan Amendment Criteria**

The proposed amendments are considered to be Type II Metro Plan amendments because they are site specific amendments to Plan project lists and maps. Type II Metro Plan amendments inside the city limits shall be approved by the Home City; Type II Metro Plan amendments between the city limits and the Plan Boundary shall be approved by the

Home City and Lane County. At least three of the pump stations are outside the city limits therefore Lane County must co-adopt these amendments.

Springfield and Lane County adopted identical Metro Plan amendment criteria into their respective implementing ordinances and codes. Springfield Development Code (SDC) Chapter 5, Section 5.14-135(C) (1 & 2) and Lane Code 12.225(2) (a & b) require that the amendment be consistent with relevant statewide planning goals and that the amendment not make the Metro Plan internally inconsistent. These criteria are addressed as follows:

- (a) ***The amendment must be consistent with the relevant statewide planning goals adopted by the Land Conservation and Development Commission;***

**Goal 1 – Citizen Involvement**

*To develop a citizen involvement program that insures the opportunity for citizens to be involved in all phases of the planning process.*

The two cities and the county have acknowledged land use codes that are intended to serve as the principal implementing ordinances for the Metro Plan. Chapter 5 of the SDC, Metro Plan Amendments; Public Hearings, prescribe the manner in which a Type II Metro Plan amendment must be noticed. Citizen involvement for a Type II Metro Plan amendment not related to an urban growth boundary amendment requires: Notice to interested parties; notice to properties and property owners within 300 feet of the proposal; published notice in a newspaper of general circulation; and notice to the Department of Land Conservation and Development (DLCD) at least 45 days before the initial evidentiary hearing (planning commission).

Notice of the joint planning commission hearing was mailed on April 18, 2008; notice was published in the Register-Guard on April 24, 2008. Neighborhood Associations, if any, were mailed notice on April 18, 2008. Notice of the first evidentiary hearing was provided to DLCD on March 4, 2008. Lane County is participating in this matter; Eugene was sent a referral on February 20, 2008.

Springfield's Committee for Citizen Involvement (CCI) met on March 4, 2008 to discuss citizen involvement opportunities. A public workshop, website posting, two public hearings (Planning Commission, City Council) and mailed notice to neighborhood associations, local engineering firms, developers and other stakeholders were approved by the CCI.

Requirements under Goal 1 are met by adherence to the citizen involvement processes required by the Metro Plan and implemented by the Springfield Development Code, Chapter 5 and Lane Code Sections 12.025 and 12.240.

## **Goal 2 – Land Use Planning**

*To establish a land use planning process and policy framework as a basis for all decisions and actions related to use of land and to assure an adequate factual base for such decisions and actions.*

*All land-use plans and implementation ordinances shall be adopted by the governing body after public hearing and shall be reviewed and, as needed, revised on a periodic cycle to take into account changing public policies and circumstances, in accord with a schedule set forth in the plan. Opportunities shall be provided for review and comment by citizens and affected governmental units during preparation, review and revision of plans and implementation ordinances.*

*Implementation Measures – are the means used to carry out the plan. These are of two general types: (1) management implementation measures such as ordinances, regulations or project plans, and (2) site or area specific implementation measures such as permits and grants for construction, construction of public facilities or provision of services.*

The current version of the Metro Plan was last adopted in 2004 (Springfield Ordinance No. 6087; Eugene Ordinance No. 20319; and Lane County Ordinance No. 1197) after numerous public meetings, public workshops and joint hearings of the Springfield, Eugene and Lane County Planning Commissions and Elected Officials.

Subsequent to these Metro Plan adoption proceedings, Eugene, Springfield and Lane County considered amendments to Chapter III-G Public Facilities and Services Element and Chapter V Glossary of the Metro Plan; and amendments to the Public Facilities and Services Plan by adding new tables (4a; 4b; 16a) and a new map (2a) identifying wastewater treatment facilities and conveyance systems in Chapter II; amended Chapter IV wastewater system condition assessment; and added a new Chapter VI Amendments. These amendments were also reviewed at public meetings, public workshops and joint hearings of the Springfield, Eugene and Lane County Planning Commissions and Elected Officials. These amendments were appealed to LUBA and subsequently some (project list) were remanded to the elected officials for additional clarification and description of projects associated with the wastewater treatment facility expansion. The elected officials adopted these remanded amendments in 2006.

The Metro Plan is the “land use” or comprehensive plan required by this goal; the Springfield Development Code and the Lane Code are the “implementation measures” required by this goal. Comprehensive plans, as defined by ORS 197.015(5), must be coordinated with affected governmental units. Coordination means that comments from affected governmental units are solicited and considered.

**Goal 3 – Agricultural Lands**

*To preserve and maintain agricultural lands.*

The changes do not affect Metro Plan or PFSP consistency with this goal and it does not apply within adopted, acknowledged urban growth boundaries. None of the proposed projects are intended to provide wastewater service outside the UGB; the projects were recommended in the Wastewater Master Plan to “meet the city of Springfield’s projected population and employment growth through the (2025) planning year.”

**Goal 4 – Forest Lands**

*To conserve forest lands by maintaining the forest land base and to protect the state’s forest economy by making possible economically efficient forest practices that assure the continuous growing and harvesting of forest tree species as the leading use on forest land consistent with sound management of soil, air, water, and fish and wildlife resources and to provide for recreational opportunities and agriculture.*

The changes do not affect Metro Plan or PFSP consistency with this goal and it does not apply within adopted, acknowledged urban growth boundaries. None of the proposed projects are intended to provide wastewater service outside the UGB; the projects were recommended in the Wastewater Master Plan to “meet the city of Springfield’s projected population and employment growth through the (2025) planning year.”

**Goal 5 – Open Spaces, Scenic and Historic Areas, and Natural Resources**

*To protect natural resources and conserve scenic and historic areas and open spaces.*

The City has finished all work required under Goal 5 during the most recent Periodic Review (completed in 2007). None of the proposed project additions are located within any of the City’s protected Goal 5 resource sites; none of the proposed projects were designed or intended to allow development to occur within a protected resource site; the presence of urban services does not invalidate Goal 5 inventories or protection measures even if the new urban service becomes available to any of these sites; these Goal 5 sites were identified and protected because they qualified under city or state laws, not because of a lack of available services. The changes do not affect acknowledged Goal 5 inventories so this proposal does not create an inconsistency with the goal.

**Goal 6 – Air, Water and Land Resources Quality**

*To maintain and improve the quality of the air, water and land resources of the state.*

This goal is primarily concerned with compliance with federal and state environmental quality statutes, and how this compliance is achieved as development proceeds in relationship to air sheds, river basins and land resources.

The Federal Water Pollution Control Act, P.L. 92-500, as amended in 1977, became known as the Clean Water Act (33 U.S.C. 1251 et seq.). The goal of this Act was to eliminate the discharge of pollutants into the navigable waters. ORS 468B.035 requires the Oregon Environmental Quality Commission (EQC) to implement the Federal Water Pollution Control Act. The primary method of implementation of this Act is through the issuance of a National Pollutant Discharge Elimination System (NPDES) permit prior to the discharge of any wastes into the waters of the state. (ORS 468B.050) Among the “pollutants” regulated by the EQC are temperature (OAR 340-041-0028) and toxic substances (OAR 340-041-0033).

Previously, the Plan was amended to ensure that the Metro Plan and the PFSP accurately reflect regional wastewater system needs as imposed by Federal and State regulation. Currently, the PFSP states that “... the Regional Wastewater Treatment Plant has sufficient design capacity to accommodate population increases and serve all new development at buildout.” This amendment takes the next step in bringing the plan current by incorporating those local facilities in Springfield which are required to adequately and efficiently convey sewage to the Regional Wastewater Treatment Plan for treatment. The proposed amendment is based on the most current draft of a Sanitary Sewer Master Plan now under preparation for the City. That Plan is anticipated to be adopted by the City of Springfield in mid-2008. Until that time, it is possible that the list of projects may be amended and, accordingly that the current drafts of the proposed map and table amendments will be further modified to conform to the provisions of the adopted Master Plan

### **Goal 7 – Areas Subject to Natural Disasters and Hazards**

*To protect people and property from natural hazards.*

The Metro Plan and the City’s development code are acknowledged to be in compliance with all applicable statewide land use goals, including Goal 7. The proposed projects are not located within hazard areas nor does their presence have any affect on existing policies or procedures adopted by the City of Springfield and applicable in hazard areas. This Goal is unaffected by the presence or absence of urban services to natural hazard areas.

### **Goal 8 – Recreational Needs**

*To satisfy the recreational needs of the citizens of the state and visitors and, where appropriate, to provide for the siting of necessary recreational facilities including destination resorts.*

All of the proposed projects are intended to accommodate future growth in population and employment. What is meant, but not stated in this general concept of “future growth in population and employment” is that it includes ancillary activities as well. The Metro Plan anticipates up to 32% of residential designation will be occupied by these ancillary activities: “In the aggregate, non-residential land uses consume approximately 32 percent of buildable residential land. These non-residential uses include churches, day care centers, parks, streets, schools, and neighborhood commercial.” (Page III-A-4, Metro Plan) Determination of pipe sizes and pump capacity includes the presence of these land uses and in any case, the Willamalane Park and Recreation Master Plan includes future park sites needed to keep pace with residential growth.

### **Goal 9 – Economic Development**

*To provide adequate opportunities throughout the state for a variety of economic activities vital to the health, welfare, and prosperity of Oregon’s citizens.*

The Metro Plan cites the provision of adequate public facilities and services as necessary for economic development. Objective 10, at page III-B-4 states: Provide the necessary public facilities and services to allow economic development. Policy B25, at Page III-B-6, states: Pursue an aggressive annexation program and servicing of designated industrial lands in order to have a sufficient supply of “development ready” land. Policy B26, at page III-B-6, states: In order to provide locational choice and to attract new campus industrial firms to the metropolitan area, Eugene and Springfield shall place as a high priority service extension, annexation, and proper zoning of all designated special light industrial sites. All of these policies are served by the proposed amendments to the Metro Plan and PFSP as these projects are intended to meet future demand generated by population and employment growth. Additionally, it is the provision of key urban services that typically determines suitability of land to be converted from rural to urban and to be annexed into the city limits: “Land within the UGB may be converted from urbanizable to urban only through annexation to a city when it is found that: a. A minimum level of key urban facilities and services can be provided to the area in an orderly and efficient manner; b. There will be a logical area and time within which to deliver urban services and facilities. Conversion of urbanizable land to urban shall also be consistent with the *Metro Plan.*” (Page II-C-4, Metro Plan) Each of the pump stations is located in or near areas not yet annexed or developed with planned urban uses. These pump stations will allow wastewater extension to these lands so that planned development may occur. The Nugget Way and PeaceHealth pump stations in particular will facilitate commercial and industrial development by making available this mandatory urban service.

### **Goal 10 – Housing**

*To provide for the housing needs of citizens of the state. Goal 10 Planning Guideline 3 states that “[P]lans should provide for the appropriate type, location and phasing of public facilities and services sufficient to support housing*

*development in areas presently developed or undergoing development or redevelopment.”*

OAR 660–008–0010 requires that “[S]ufficient buildable land shall be designated on the comprehensive plan map to satisfy housing needs by type and density range as determined in the housing needs projection.” Goal 10 defines buildable lands as “...lands in urban and urbanizable areas that are suitable, available and necessary for residential use.” 660–008–0005(13), in part, defines land that is “suitable and available” as land “for which public facilities are planned or to which public facilities can be made available.”

Similar to Goal 9, adequate public facilities are necessary to accomplish the objectives of this goal and applicable administrative rules (OAR Chapter 660, Division 008). The purpose of the proposed amendments is to provide the capacity for future development (year 2025) of residential (population) and commercial and industrial (employment) use consistent with the comprehensive plan.

#### **Goal 11 – Public Facilities and Services**

*To plan and develop a timely, orderly and efficient arrangement of public facilities and services to serve as a framework for urban and rural development.*

OAR Chapter 660, Division 011, implements goal 11. OAR 660–011–0030(1) requires that the public facility plan list the proposed projects and identify the general location of the project on a map. The proposal will add nine projects to Tables 4 and 16; delete four projects from these same tables in recognition of their completion or supplanted need; and show the location of all proposed projects on Map 2. These tables and map are adopted as part of the Metro Plan, but are located in, and are a part of the PFSP.

OAR 660–011–0035(1) requires that the public facility plan include a rough cost estimate for sewer public facility projects identified in the facility plan. In conformity with this requirement, Table 16 includes rough cost estimates for all nine proposed projects. These costs are derived from the work performed during the preparation of the Wastewater Master Plan.

OAR 660–011–0045 requires certain elements of the public facility plan to be adopted as part of the comprehensive plan. These elements include the list of public facility project titles (Table 4); the map or written description of the public facility projects locations or service areas (Map 2); and policies or urban growth management agreements designating the provider of each public facility system. No policy amendments are proposed in this action. The notice of proposed amendment sent to DLCDC, the notice of the hearing on these amendments, and the applicable criteria are consistent with the provisions for a land use decision and the post-acknowledgment procedures of ORS 197.610.

**Goal 12 - Transportation**

*To provide and encourage a safe, convenient and economic transportation system.*

The transportation system plan is not dependent upon, or influenced by the wastewater system plan. Land development cannot occur in the absence of infrastructure and that includes wastewater and transportation; but neither the goals nor the OARs require a corollary analysis of each of these services when the city is proposing one or both of these plans for post-acknowledgement amendment. All of the proposed amendments are needed to upgrade (expand the capacity of) existing facilities. In each case, the planned transportation facilities are: 1 already in place; 2 under construction; 3 in design; or, 4 planned. The changes do not affect Metro Plan or PFSP consistency with this goal.

**Goal 13 – Energy Conservation**

*To conserve energy.*

*3. Land use planning should, to the maximum extent possible, seek to recycle and re-use vacant land and those uses which are not energy efficient.*

All of the projects are upgrades or expand the capacity of existing systems. Such a strategy maximizes the efficiency of the existing system (sunk cost) and provides for infill and redevelopment opportunities that couldn't go forward without these improvements. The changes do not affect Metro Plan or PFSP consistency with this goal.

**Goal 14 – Urbanization**

*To provide for an orderly and efficient transition from rural to urban land use, to accommodate urban population and urban employment inside urban growth boundaries, to ensure efficient use of land, and to provide for livable communities.*

The amendments do not affect the existing UGB; they will allow capacity expansion of existing facilities to enable projected planned population and employment growth through the (2025) planning year. If these upgrades do not occur, projected population and employment growth will need to be accommodated beyond the existing UGB. The proposed amendments will potentially delay when UGB adjustments must be taken and may reduce the acreage necessary to accommodate projected growth. The changes do not affect Metro Plan or PFSP consistency with this goal.

**Goal 15 – Willamette River Greenway**

*To protect, conserve, enhance and maintain the natural, scenic, historical, agricultural, economic and recreational qualities of lands along the Willamette River as the Willamette River Greenway.*

There are two projects in proximity to the Willamette River: Nugget Way and Harbor Drive pump stations. The presence of these facilities, and the necessary upgrades, will allow planned development of these areas to occur, but not at the exclusion of any other rules or standards that may be applicable to even permitted development. For example, development within the Greenway Boundary is permitted but is subject to SDC 3.3-300 regardless of the presence or absence of infrastructure. The changes do not affect Metro Plan or PFSP consistency with this goal.

**Goal 16 Estuarine Resources, Goal 17 Coastal Shorelands, Goal 18 Beaches and Dunes, and Goal 19 Ocean Resources**

These goals do not apply to the Eugene-Springfield Metropolitan Area.

**(b) *Adoption of the amendment must not make the Metro Plan internally inconsistent.***

The project lists and maps contained in the PFSP were adopted as part of the Metro Plan in 2004 and 2006. The project lists in the PFSP, in the form of tables, include pump stations and any pipes 24 inches or larger; the maps show the general location or service area of the projects. The proposed amendments include pump stations and pipes 24 inches or large, project descriptions, and changes to the map to show the general location of each project. These same amendments are applied to the same project lists (Tables 4 and 16) and maps (Map 2) in the PFSP that are specifically adopted as part of the Metro Plan. This action constitutes the quintessential test of consistency. The proposed changes, as presented, will not create internal inconsistencies within the Metro Plan.

In addition to the foregoing, the proposed amendments are consistent with the following Metro Plan policies:

“Extend the minimum level and full range of key urban facilities and services in an orderly and efficient manner consistent with the growth management policies in Chapter II – C, relevant policies in this chapter, and other Metro Plan policies.” (Page III-G-4, policy G.1)

“Use the planned facilities maps of the Public Facilities and Services Plan to guide the general location of water, wastewater, stormwater, and electrical projects in the metropolitan area. Use local facility master plans, refinement plans, and ordinances as the guide for detailed planning and project implementation.” (Page III-G-4, policy G.2)

“Modifications and additions to or deletions from the project lists in the Public Facilities and Services Plan for water, wastewater, and stormwater public facility projects or significant changes to project location, from that described in the Public Facilities and Services Plan planned facilities Maps 1, 2 and 3, requires

amending the Public Facilities and Services Plan and the Metro Plan...” (Page III-G-4, policy G.3)

“Use annexation, provision of adequate public facilities and services, rezoning, redevelopment and infill to meet the 20-year projected housing demand.” (Page III-A-5, policy A.4)

“Endeavor to provide key urban services and facilities required to maintain a five-year supply of serviced, buildable residential land.” (Page III-A-6, policy A.7)

“Coordinate higher density residential development with the provision of adequate infrastructure and services, open space, and other urban amenities.” (Page III-A-7, policy A.12)

“Coordinate local residential land use and housing planning with other elements of this plan, including public facilities and services, and other local plans, to ensure consistency among policies.” (Page III-A-13, policy A.35)

**Table 4**  
**City of Springfield Wastewater System Improvement Projects**

<b>Project Number</b>	<b>Project Name</b>	<b>Description</b>
	<i><b>Short-Term</b></i>	
104	Jasper Road sewer extension	System extension in the general vicinity of Jasper Rd to collect flow from future development in the Jasper-Natron area
<del>105</del>	<del>Game Farm Road trunk sewer</del>	
105	10 <sup>th</sup> & N Street Upgrade	Construct parallel 24 inch pipe to increase capacity of existing system to accommodate wet weather flows
<del>106</del>	<del>Gateway/Harlow Road pump station upgrade</del>	
106	E Street (Central Trunk) upgrade	Construct 24 inch pipe to increase capacity of existing system to accommodate wet weather flows
107	Main Street Sewer upgrade # 1	Construct 24 inch pipe to increase capacity of existing system to accommodate wet weather flows
108	Nugget Way pump station upgrade	Increase pump station capacity to accommodate wet weather flows with the largest pump out of service
109	Hayden Lo pump station upgrade	Increase pump station capacity to accommodate wet weather flows with the largest pump out of service
110	River Glen pump station upgrade	Increase pump station capacity to accommodate wet weather flows with the largest pump out of service
	<i><b>Long-Term</b></i>	
<del>202</del>	<del>East Glenwood gravity sewer</del>	
202	Harbor Drive pump station	New pump station to collect flow from future development in the vicinity of the South 2 <sup>nd</sup> Street area
<del>203</del>	<del>19<sup>th</sup> Street pump station</del>	
203	Peace Health pump station	New pump station to collect flow from future development in the vicinity of Deadmond Ferry Road and Baldy View Drive

**Table 16**  
**City of Springfield**  
**Wastewater System Improvements, Estimated Costs, and Timing**

<b>Project Number</b>	<b>Project Name/Description</b>	<b>Cost (\$000)</b>	<b>Estimated Completion Year</b>
	<b>Short Term</b>		
<del>104</del>	<del>Jasper Road sewer extension</del>	<del>3,500</del>	<del>1999-2004</del>
104	Jasper Road sewer extension	11,600	2010-2012
<del>105</del>	<del>Game Farm Road trunk sewer</del>	<del>1,500</del>	<del>1999-2004</del>
105	10 <sup>th</sup> & N Street Upgrade	3,950	2010
<del>106</del>	<del>Gateway/Harlow Road pump station upgrade</del>	<del>1,500</del>	<del>1999-2004</del>
106	E Street (Central Trunk) upgrade	2,500	2010-2013
107	Main Street Sewer upgrade # 1	2,100	2010-2013
108	Nugget Way pump station upgrade	1,400	2010
109	Hayden Lo pump station upgrade	1,050	2010-2013
110	River Glen pump station upgrade	1,200	2010-2013
	<b>Long Term</b>		
<del>202</del>	<del>East Glenwood gravity sewer</del>	<del>1,100</del>	<del>2005-2006</del>
202	Harbor Drive pump station	3,340	2015-2020
<del>203</del>	<del>19<sup>th</sup> Street pump station</del>	<del>500</del>	<del>2005-2006</del>
203	Peace Health pump station	3,190	2012-2017

# Eugene-Springfield Public Facilities and Services Plan Planned MMMC Wastewater Project Sites

Further details of specific projects at each of the identified sites are described in tables 3, 4, 4a and 4b

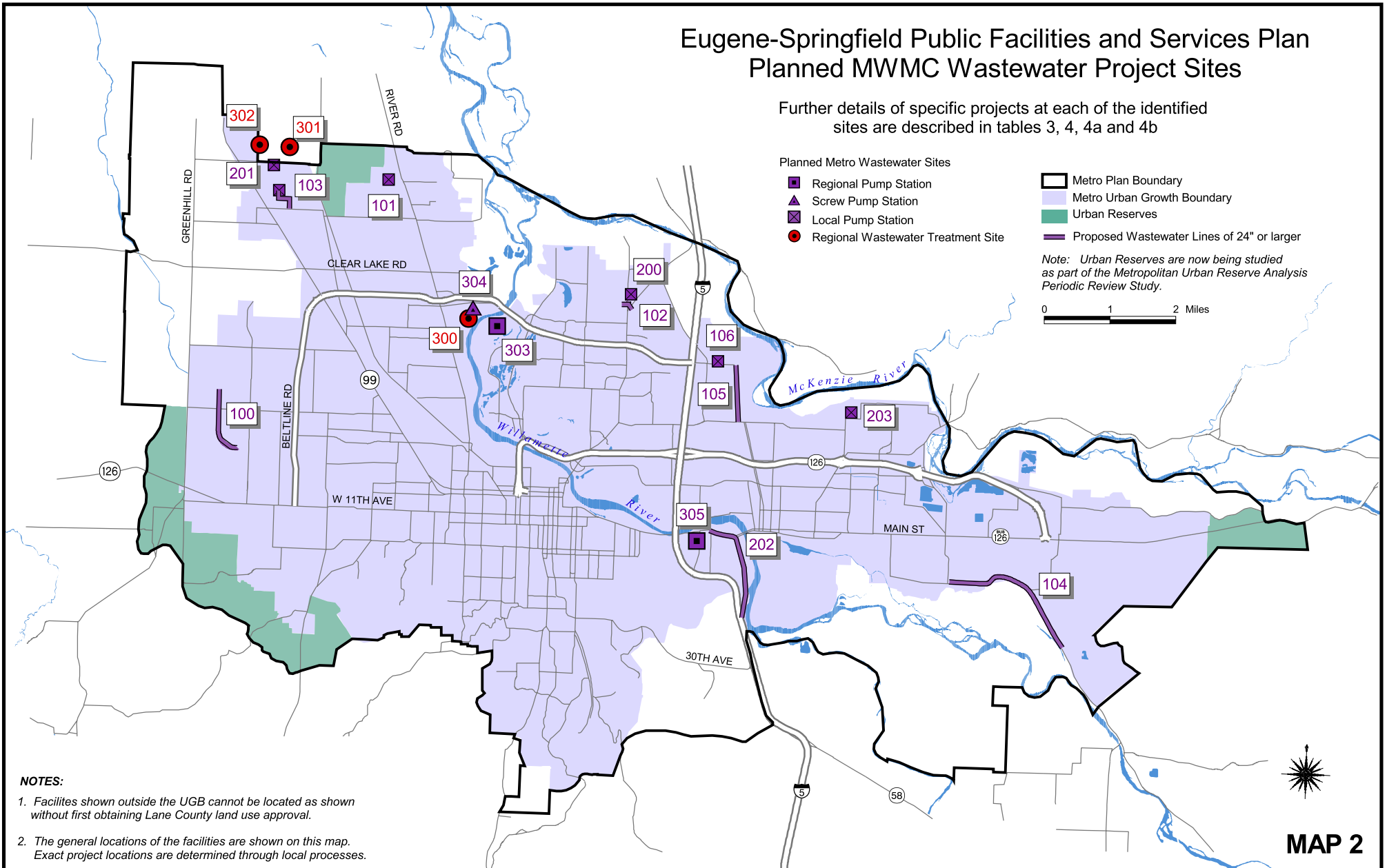
### Planned Metro Wastewater Sites

- Regional Pump Station
- ▲ Screw Pump Station
- ⊠ Local Pump Station
- Regional Wastewater Treatment Site

- Metro Plan Boundary
- Metro Urban Growth Boundary
- Urban Reserves
- Proposed Wastewater Lines of 24" or larger

*Note: Urban Reserves are now being studied as part of the Metropolitan Urban Reserve Analysis Periodic Review Study.*

0 1 2 Miles

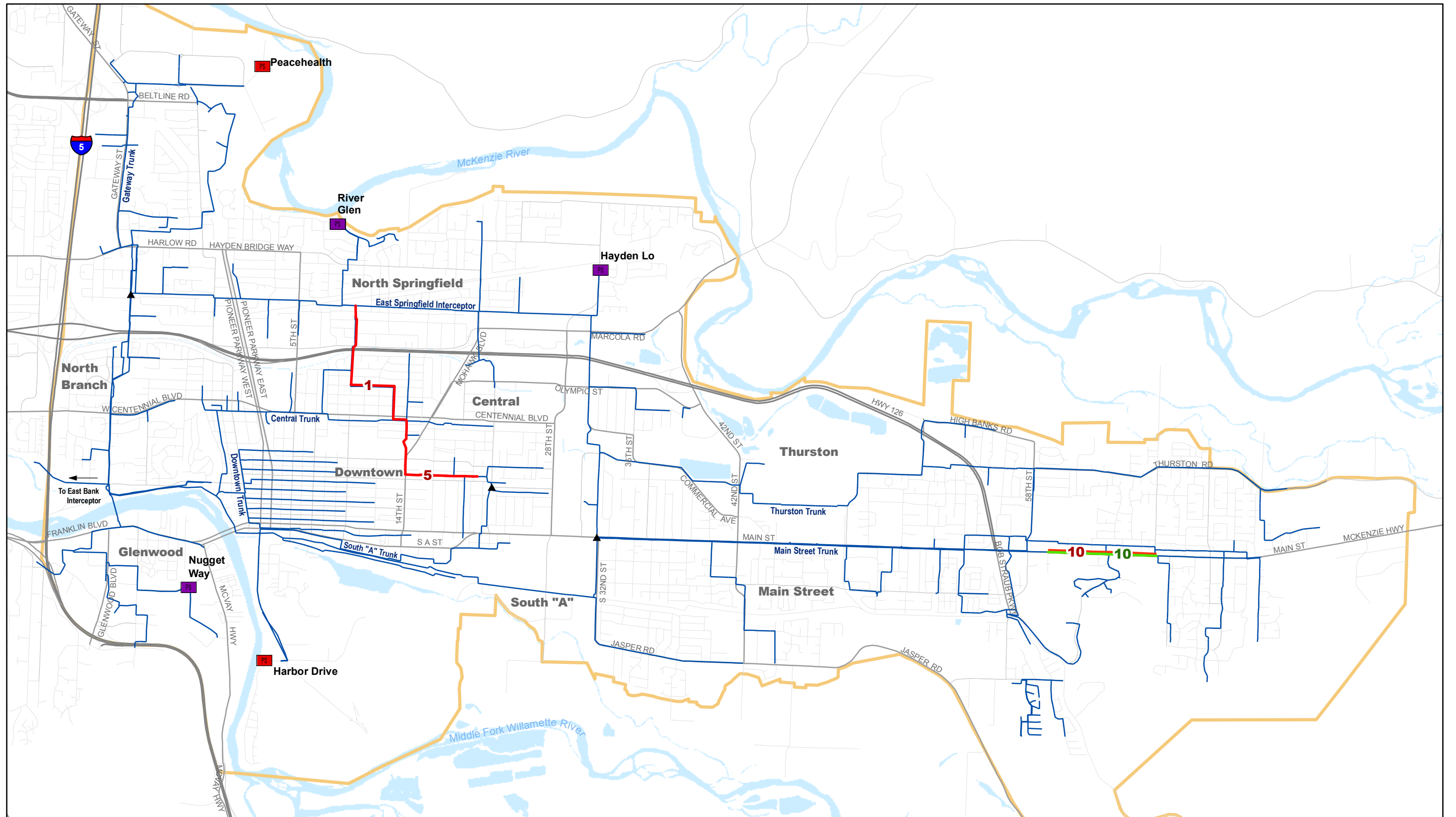


### NOTES:

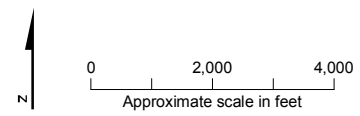
1. Facilities shown outside the UGB cannot be located as shown without first obtaining Lane County land use approval.
2. The general locations of the facilities are shown on this map. Exact project locations are determined through local processes.

**MAP 2**

March, 2004



- Existing Pump Station Improvements
- Future Pump Stations
- Weir/Diversion
- Future Pipe Improvement
- Existing Pipe Improvement
- Existing Major Wastewater System Pipes
- Urban Growth Boundary



**FIGURE 1**  
System Improvements  
City of Springfield Wastewater Master Plan