



Oregon

Theodore R. Kulongoski, Governor

Department of Land Conservation and Development

635 Capitol Street, Suite 150

Salem, OR 97301-2540

(503) 373-0050

Fax (503) 378-5518

www.lcd.state.or.us

NOTICE OF ADOPTED AMENDMENT

April 18, 2007

TO: Subscribers to Notice of Adopted Plan
or Land Use Regulation Amendments

FROM: Mara Ulloa, Plan Amendment Program Specialist

SUBJECT: City of Salem Plan Amendment
DLCD File Number 011-06



The Department of Land Conservation and Development (DLCD) received the attached notice of adoption. Due to the size of amended material submitted, a complete copy has not been attached. A copy of the adopted plan amendment is available for review at the DLCD office in Salem and the local government office.

Appeal Procedures*

DLCD ACKNOWLEDGMENT or DEADLINE TO APPEAL: May 7, 2007

This amendment was submitted to DLCD for review 45 days prior to adoption. Pursuant to ORS 197.830 (2)(b) only persons who participated in the local government proceedings leading to adoption of the amendment are eligible to appeal this decision to the Land Use Board of Appeals (LUBA).

If you wish to appeal, you must file a notice of intent to appeal with the Land Use Board of Appeals (LUBA) no later than 21 days from the date the decision was mailed to you by the local government. If you have questions, check with the local government to determine the appeal deadline. Copies of the notice of intent to appeal must be served upon the local government and others who received written notice of the final decision from the local government. The notice of intent to appeal must be served and filed in the form and manner prescribed by LUBA, (OAR Chapter 661, Division 10). Please call LUBA at 503-373-1265, if you have questions about appeal procedures.

***NOTE: THE APPEAL DEADLINE IS BASED UPON THE DATE THE DECISION WAS MAILED BY LOCAL GOVERNMENT. A DECISION MAY HAVE BEEN MAILED TO YOU ON A DIFFERENT DATE THAN IT WAS MAILED TO DLCD. AS A RESULT YOUR APPEAL DEADLINE MAY BE EARLIER THAN THE ABOVE DATE SPECIFIED.**

Cc: Gloria Gardiner, DLCD Urban Planning Specialist
Jason Locke, DLCD Regional Representative
Steve Downs, City of Salem

<paa> ya/

FORM 2

DLCD

Notice of Adoption

THIS FORM **MUST BE MAILED** TO DLCD
WITHIN 5 WORKING DAYS AFTER THE FINAL DECISION
PER ORS 197.610, OAR CHAPTER 660 - DIVISION 18

In person electronic mailed

DEPT OF

APR 16 2007

LAND CONSERVATION AND DEVELOPMENT

For DLCD Use Only

Jurisdiction: **City of Salem**

Local file number:

Date of Adoption: **4/9/2007**

Date Mailed: **4/10/2007**

Was a Notice of Proposed Amendment (Form 1) mailed to DLCD? **Select one** Date: **6/2/2006**

Comprehensive Plan Text Amendment

Comprehensive Plan Map Amendment

Land Use Regulation Amendment

Zoning Map Amendment

New Land Use Regulation

Other: **Detailed Maps & Project Lists**

Summarize the adopted amendment. Do not use technical terms. Do not write "See Attached".

The adopted Amendment updated the Salem Wastewater Management Master Plan maps and project lists to reflect the community's wastewater service needs for the current Urban Growth Boundary. The principal changes address collection, transport/pumping, and treatment expansion to meet existing requirements (especially to address SSOs and the City's MAO with the Oregon DEQ) and provide for future needs. Ordinance No. 83-07 updated SRC 64.230(b) to reflect this new Master Plan Amendment

Does the Adoption differ from proposal? Please select one

Not significantly. Specifically listed projects have been refined, and the format of the maps and project lists updated for clarity and compatibility with the City's GIS and CIP so that more detailed project-specific information is readily available.

Plan Map Changed from: **N/A**

to: **N/A**

Zone Map Changed from: **N/A**

to: **N/A**

Location: **City-Wide**

Acres Involved:

Specify Density: Previous: **N/A**

New: **N/A**

Applicable statewide planning goals:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Was an Exception Adopted? YES NO

Did DLCD receive a Notice of Proposed Amendment...

DLCD # 011-06 (15287)

- 45-days prior to first evidentiary hearing? Yes No
If no, do the statewide planning goals apply? Yes No
If no, did Emergency Circumstances require immediate adoption? Yes No
-

DLCD file No. _____

Please list all affected State or Federal Agencies, Local Governments or Special Districts:

Cities of Salem, Keizer, and Turner, Marion County (East Salem Service District), Polk County, State of Oregon and its various departments and agencies (as sanitary sewerage system customers), and DEQ (as the City's NPDES Permit regulator).

Local Contact: **Steve Downs, Public Works Dept** Phone: (503) 588-6211 Extension: 7380
Address: **555 Liberty Street SE, #325** Fax Number: 503-315-2568
City: **Salem** Zip: 97301- E-mail Address: **sdowns@cityofsalem.net**

ADOPTION SUBMITTAL REQUIREMENTS

This form **must be mailed** to DLCD **within 5 working days after the final decision**
per ORS 197.610, OAR Chapter 660 - Division 18.

1. Send this Form and TWO Complete Copies (documents and maps) of the Adopted Amendment to:

ATTENTION: PLAN AMENDMENT SPECIALIST
DEPARTMENT OF LAND CONSERVATION AND DEVELOPMENT
635 CAPITOL STREET NE, SUITE 150
SALEM, OREGON 97301-2540
2. Electronic Submittals: At least **one** hard copy must be sent by mail or in person, but you may also submit an electronic copy, by either email or FTP. You may connect to this address to FTP proposals and adoptions: **webserver.lcd.state.or.us**. To obtain our Username and password for FTP, call Mara Ulloa at 503-373-0050 extension 238, or by emailing **mara.ulloa@state.or.us**.
3. Please Note: Adopted materials must be sent to DLCD not later than **FIVE (5) working days** following the date of the final decision on the amendment.
4. Submittal of this Notice of Adoption must include the text of the amendment plus adopted findings and supplementary information.
5. The deadline to appeal will not be extended if you submit this notice of adoption within five working days of the final decision. Appeals to LUBA may be filed within **TWENTY-ONE (21) days** of the date, the Notice of Adoption is sent to DLCD.
6. In addition to sending the Notice of Adoption to DLCD, you must notify persons who participated in the local hearing and requested notice of the final decision.

7. **Need More Copies?** You can now access these forms online at <http://www.lcd.state.or.us/>. Please print on **8-1/2x11 green paper only**. You may also call the DLCD Office at (503) 373-0050; or Fax your request to: (503) 378-5518; or Email your request to mara.ulloa@state.or.us - ATTENTION: PLAN AMENDMENT SPECIALIST.

<http://www.lcd.state.or.us/LCD/forms.shtml>

Updated November 27, 2006



PUBLIC WORKS DEPARTMENT

555 Liberty Street SE / Room 325 • Salem, OR 97301-3503 • Phone 503-588-6211 • Fax 503-588-6025

April 10, 2007

Jason B. Locke
Willamette Valley Field Representative
Oregon Department of Land Conservation and Development
635 Capitol Street NE, Suite 150
Salem, Oregon 97301-2524

**SUBJECT: SALEM WASTEWATER MANAGEMENT MASTER PLAN
AMENDMENT**

Dear Mr. Locke:

As a follow-up to our initial Notice of Plan Amendment submitted June 2, 2006, and in response to our meeting on January 4, 2007, I am pleased to submit our DLCD Notice of Adoption for the subject Wastewater Management Master Plan Amendment.

In accordance with the Notice's instructions, I am providing two copies of the full Master Plan Amendment, including the lists of projects and associated maps. For your information, I have also included our March 12, 2007, City Council staff report, as well as a copy of Ordinance No. 83-07 which officially amended Salem Revised Code (SRC) 64.230(b) to reflect this most recent Master Plan Amendment. The Ordinance was unanimously adopted by our City Council on April 9, 2007.

I trust these materials fulfill the City's requirements for this particular Master Plan Amendment. Please call me if you have any questions or need additional information. We have appreciated your assistance in guiding us through this adoption process.

Sincerely,

Stephen C. Downs, P.E.
Chief Utilities Planning Engineer

TW:SCD:G:\GROUP\PUBWKS\Tom\Utility Planning\Steve D\WastewaterMPStaffReport022807\WWMasterPlanDLCDNoticeLetter4-10-07.wpd

Attachments (4):

1. DLCD Notice of Adoption dated April 10, 2007
2. Amendment of the Salem Wastewater Management Master Plan, January 2007 (in duplicate)
3. March 12, 2007, City Council Staff Report [Agenda Item 7(b)]
4. Ordinance No. 83-07

cc: Vickie Hardin Woods, Community Development Director
Tim Gerling, P.E., Public Works Director
Peter Fernandez, P.E., Assistant Public Works Director

FOR COUNCIL MEETING OF:
AGENDA ITEM NO.:
PUBLIC WORKS FILE NO.:

March 12, 2007

7 (b)

TO: MAYOR AND CITY COUNCIL
THROUGH: ROBERT G. WELLS, CITY MANAGER
FROM: TIM GERLING, P.E., PUBLIC WORKS DIRECTOR
SUBJECT: SALEM WASTEWATER MANAGEMENT MASTER PLAN
AMENDMENT

ISSUE:

Shall Council approve the proposed amendment[§] to the *Salem Wastewater Management Master Plan*, including its updated list of wastewater system project titles, maps, and written descriptions? (Attachment 1)

RECOMMENDATION:

The Planning Commission and staff recommend that Council approve the proposed amendment to the *Salem Wastewater Management Master Plan*, including the updated list of wastewater system project titles, the reference maps, and written descriptions.

The amendment and summary tables are attached in hard copy; the reference maps, full lists of projects, titles, descriptions, and estimated costs are all legal attachments to this record and can be found under "Current Topics" on the City's website at <http://www.cityofsalem.net/>.

Hard copies of the website materials can be viewed at the City Recorder's office and will be reproduced in the final printed Master Plan document following Council approval.

BACKGROUND:

The *Salem Wastewater Management Master Plan (Master Plan)* is a long-term planning document that serves as a guide to the future, and outlines a program that ensures Salem's wastewater customers will continue to be served by an adequate and sustainable wastewater collection, treatment, and disposal system. The *Master Plan* also reflects the continual and increasing regulatory scrutiny and community development, resulting in the need for periodic updates and amendments.

History

The *Master Plan* dates back to 1996 when it was first adopted by City Council. It was later amended in 2002 with Council's adoption of the *Willow Lake Wastewater Treatment Plant Facilities Plan*. The most recent amendment was adopted by Council on February 7, 2005, updating the collection system improvement plans and list of projects.

Since that last amendment, staff have continued to refine the recommended capital improvements, reflecting the significant capital improvement projects that have been completed

or are now under construction, particularly at the Willow Lake Water Pollution Control Facility (WPCF). This continued refinement has been in concert with staff's review of the Water and Wastewater System Development Charge (SDC) methodologies.

New Process

Historically, Public Works has maintained three distinct project lists: one within the utility infrastructure Master Plan, one within the Capital Improvement Program (CIP) for funded and unfunded projects, and a third at the Operations Services Division for traditional operations and maintenance (O & M) projects, often referred to as rehabilitation and replacement (R & R) projects. None of the project lists, in and of themselves, provided a comprehensive picture of the total system infrastructure-needs of the City. This most recent refinement of the *Master Plan* has resulted in a single "project needs" list for the entire wastewater system for service. The list includes all necessary projects to serve the community to the Urban Growth Boundary (UGB) under build-out conditions, and includes collection, interceptors, pump stations, and treatment and disposal, irrespective of their potential sources of funding.

The recommended changes to the *Master Plan* better suit the City's current needs, currently known and foreseeable regulatory requirements, anticipated growth patterns, and potential future infrastructure expansion. This *Master Plan* Amendment has been developed to consolidate the changes into a centralized and updated tabular summary of the itemized capital improvements, their project descriptions and associated estimated costs, and the associated updated service area improvement maps.

Project List

In addition to these *Master Plan*-associated projects, there are O & M-focused needs within the wastewater infrastructure system that typically do not have a capacity-increasing component associated with them. These projects are typically needed to resolve an existing capacity deficiency within an already built-out area, or to address an infrastructure structural or condition deficiency identified through the City's ongoing efforts to properly maintain the wastewater system. Table 1 summarizes the projected total wastewater infrastructure needs (*Master Plan* plus O & M) to meet the community's existing and future needs for the 20+ year planning period. It also provides a comparison with the projects identified by the 1996 *Master Plan* and 2002 Facilities Plan, respectively, updated to March 2006.

The estimated project costs have been updated from the 1996 *Master Plan*, the 2002 *Facilities Plan*, and the 2005 *Master Plan* Amendment to reflect inflation within the construction industry since those respective documents were adopted. The cost estimates reflect those set forth in the City's Preliminary CIP for FY 2008/2009 - FY 2011/2012, and correspond to the Engineering News Record (ENR) Construction Cost Index 3-City Average for Los Angeles, San Francisco, and Seattle in March 2006 of 8481.89.

Salem Wastewater Management
 Master Plan Amendment
 Council Meeting of March 12, 2007
 Page 3

Table 1
Summary Comparison of the January 2007 Wastewater Master Plan Amendment Projects
With Past Master Plans (all costs are in millions of dollars)

	Project Implementation Time Period				TOTAL
	0 - 5 Years	6 - 10 Years	11 - 20 Years	> 20 Years	
1996 Master Plan (costs escalated from 10/95 ENR = 5934 to 3/2006 ENR = 8481.89)					
Conveyance Projects	\$15.44	\$10.01	\$40.30	-0-	\$65.75
Treatment Projects	\$27.06	\$92.72	\$165.09	-0-	\$284.87
Total Identified Projects	\$42.50	\$102.73	\$205.39	-0-	\$350.62
2002 Willow Lake Facilities Plan (costs escalated from 3/2001 ENR = 6300, to 3/2006 ENR = 8481.89)					
<u>MAO Compliance Program</u>					
Phase 1a (PEFTF Phase 1, Downtown Interceptor, and 155 MGD Willow Lake)	\$150.23	\$30.05	-0-	-0-	\$180.28
Phase 1b (Willow Lake Solids)	\$12.57	\$6.28	-0-	-0-	\$18.85
Phase 2 (PEFTF Phase 2, Union Street Interceptor, and Willow Lake Improvements)	\$59.87	\$119.73	-0-	-0-	\$179.60
Collection System/Pump Station Improvement Plans from 1996 Master Plan (not revisited by the 2002 Facilities Plan)	\$15.44	\$10.01	\$5.00	-0-	\$30.45
Post 2010 Program	-0-	\$119.12	\$29.78	-0-	\$148.90
Total Identified Projects	\$238.11	\$285.19	\$34.78	-0-	\$558.08
2007 Master Plan Amendment (costs based on 3/2006 ENR = 8481.89)					
Pipe Projects	\$21.48	\$54.20	\$31.16	\$7.61	\$114.45
Treatment Projects	\$129.81	\$280.22	\$46.34	\$0.36	\$456.73
Total Identified Projects	\$151.29	\$334.42	\$77.50	\$7.97	\$571.18
Operation & Maintenance (O & M) Projects	\$23.24	\$6.91	\$11.00	\$39.38	\$80.53
Total Identified Wastewater System Projects	\$174.53	\$341.33	\$88.50	\$47.35	\$651.71

Adoption Process

Salem Revised Code (SRC) Chapter 64 defines a System Master Plan as a "Detailed Plan" incorporated by reference into the City's Comprehensive Plan. The various System Master Plans in turn incorporate lists of water, wastewater, stormwater, and transportation public facilities projects, respectively. The lists include project titles, maps and/or written descriptions of the public facility projects, and their locations and/or service areas. Amendments to the Comprehensive Plan fall into two classifications, major and minor. Major items are broadly classified as legislative acts of the Council. Minor items are broadly classified to be:

quasi-judicial acts, a single proceeding for amendment to the Comprehensive Plan map affecting less than five privately and separately owned tax lots, or a Category 4 plan amendment as described in SRC 64.050(d).

System Master Plan amendments generally affect more than four lots and are categorized in SRC 64.050(a) as Category 1 plan amendments. Therefore, the amendments of System Master Plans and their associated project lists are classified as a "Major" change.

The process for a major change includes:

- Identification of the change and modification of the lists containing project titles, maps and/or written descriptions of the public facility projects, and their locations and/or service areas by technical staff. Over the past several months, staff has updated the project list, maps, and written descriptions, and revised the associated documentation. This has included consolidating and verifying the specific projects listed in the existing *Master Plan* (and subsequent amendments thereto), the CIP, and the O&M project list maintained by the Public Works Operations Services Division that largely reflects R&R projects.
- Initiation for amendment by either the Council or the Salem Planning Commission. Staff initiated the formal *Master Plan* revision process on or about June 2, 2006, by scheduling a formal public hearing by the Planning Commission.
- Forty-five (45) days notice to the Department of Land Conservation and Development (DLCD). The proposed *Master Plan* amendment was initially submitted to the DLCD on June 2, 2006, for review and comment. The DLCD reviewed the proposed amendment and, absent of any written comment after 45 days, deemed it in compliance with the State land use regulations. Since several months had elapsed since the DLCD staff initially reviewed the proposed amendment (during which time the various project lists were consolidated and refined by City staff), the updated proposed amendment (including its revised project listing format and maps) was reviewed with DLCD staff on January 4, 2007. DLCD staff expressed their opinion that the presently proposed Master Plan Amendment was not substantively different from that which they had reviewed previously, and no additional submittal was needed until the adoption process was completed.

- Formal public hearing by the Planning Commission: "SRC 114.020 (c) Hearings are required for the following land use actions conducted by the planning commission: ... (6) Adoption of or major amendment to a master plan under SRC 143C." The Planning Commission hearing was held on August 1, 2006, at which time no objections or requests for revision to the proposed Master Plan Amendment were raised. The Commission recommended forwarding the Amendment to Council for public hearing and adoption (Attachment 2). Although the project list format has been updated, and the various project listings themselves consolidated and updated, the currently proposed Master Plan Amendment is not substantively different from that reviewed and endorsed by the Planning Commission at its August 1 meeting. Therefore, no additional formal action by the Planning Commission has been deemed necessary for the currently proposed Master Plan Amendment.
- Formal public hearing held by the City Council. Council public hearing March 12, 2007.
- Ratification of the ordinance bill following two readings by the City Council.
- Adoption of the amended *System Master Plan*.

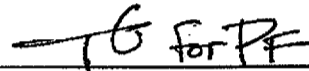
FACTS AND FINDINGS:

1. The City of Salem *Wastewater Master Plan* was adopted by Council December 16, 1996, as were its subsequent amendments (September 23, 2002, and February 7, 2005), as a Detailed Plan in accordance with SRC 64.230(b).
2. Detailed Plans are prepared as a policy guide to the Comprehensive Plan, and the lists of wastewater system project titles and maps or written descriptions of such public facility project locations or service areas are not part of the Comprehensive Plan (SRC 64.235).
3. As set forth by SRC 64.240, amendments to Detailed Plans, or amendments to the list of wastewater system public facility project titles and maps or written descriptions of such public facility project locations or service areas, shall follow the procedure set forth in SRC 64.080(b); to wit, public hearings on the proposed amendments shall be held before the Salem Planning Commission and the City Council.
4. Since the February 7, 2005, *Wastewater System Master Plan Amendment* was adopted, City staff has refined their engineering calculations and evaluations, consolidated various project lists to reflect refinement of the Willow Lake WPCF expansion program, and major projects completed and/or underway since the *Master Plan* was last amended, and updated the *Master Plan* list of projects and their associated costs to reflect recent construction costs and anticipated trends. This amendment gives written descriptions of the modified and/or new work. It also replaces the existing adopted list of projects and the associated maps, and is consistent with the concurrent updating of the Wastewater System Development Charge (SDC) methodology. The content of this amendment should be read in concert with the adopted 1996 *Wastewater System Master Plan* and its

Salem Wastewater Management
Master Plan Amendment
Council Meeting of March 12, 2007
Page 6

subsequent amendments, but where appropriate, supercede and be read in place of the adopted 1996 *Wastewater System Master Plan* and its subsequent amendments.

5. Due to the extensive nature of the supporting attachments to these amendments, the reference maps and full lists of projects, their titles, descriptions, and estimated costs can be viewed under "Current Topics" on the City's website at <http://www.cityofsalem.net/>.



Peter Fernandez, P.E.,
Assistant Public Works Director

SCD:\TW\G\GROUP\CLERICAL\STAFF\REP\FINAL\WASTEWATERMP\STAFFREPORT.WPD

Attachments:

1. Amendment of the *Salem Wastewater System Master Plan*, January 2007
2. Salem Planning Commission Record of Decision, August 1, 2006

Wards: All

March 8, 2007 (11:58am)

Prepared by: Stephen C. Downs, P.E., Chief Utilities Planning Engineer

LN\G\GROUP\CLERICAL\STAFF\REP\FINAL\WASTEWATERMP\STAFFREPORT.WPD

April 9, 2007
8.2 (a)

NOTE: Ordinance Bill No. 83-07 relating to the Salem Wasterwater Management Master Plan has been engrossed since First Reading. The following subsections have been changed to reflect existing code as follows:

SRC 64.230 (d): The date December 13, 2004 has been removed and February 27, 2005 has been inserted in its place.

SRC 64.230 (i): The dates January 24, 2005 and March 28, 2005 have been added.

1 ENGROSSED

2 **ORDINANCE BILL NO. 83-07**

3 AN ORDINANCE AMENDING THE SALEM WASTEWATER MANAGEMENT MASTER PLAN,
4 AND AMENDING SRC 64.230.

5 *The City of Salem ordains as follows:*

6 **Section 1. Findings.** The City Council hereby adopts that certain staff report entitled "Salem
7 Wastewater Management Master Plan Amendment," dated March 12, 2007, which is attached hereto
8 as "Exhibit A" and incorporated herein by reference, as findings in support of the amendments
9 adopted herein.

10 **Section 2. Text Amendments.** The "Salem Area Wastewater Management Master Plan," dated
11 August 1996, and amended on September 23, 2002, and February 7, 2005, is hereby amended by
12 replacing "*Section 8 Plan Implementation*" and "*Attachment: Conveyance System Improvement*
13 *Maps*" in their entirety with "Exhibit B," which is attached hereto and incorporated herein by
14 reference, and entitled "*Amendment of the Salem Wastewater Management Master Plan January*
15 *2007*," and "*Appendix A: Wastewater Management Master Plan Maps and Associated List of*
16 *Projects, Titles, Descriptions and Estimated Costs.*"

17 **Section 3.** SRC. 64.230 is amended to read:

18 **64.230. Adoption of Detailed Plans.** The following detailed plans are hereby adopted as part of
19 this Code the same as if fully reproduced herein. One copy of each is kept on file in the office of the
20 city recorder. Any portion of an adopted detail plan found not to be in conformance with the
21 comprehensive plan shall be considered null and void.

- 22 (a) Comprehensive Park System Master Plan. Adopted April 26, 1999.
- 23 (b) Salem Area Wastewater Management Master Plan, 1996, CH2M-Hill. Adopted
24 December 16, 1996, as amended by the Willow Lake Facilities Plan, Black & Veatch Corp. /
25 Carollo Engineers, adopted September 23, 2002, and further amended February 7, 2005 and
26 April 9, 2007.
- 27 (c) Stormwater Master Plan. Adopted September 25, 2000.
- 28 (d) Water System Master Plan, 1994, CH2M-Hill. Adopted April 25, 1994, amended


- 1 September 23, 1996, October 25, 1999, and February 7, 2005.
- 2 (e) McNary Field Airport Master Plan, Salem, Oregon, Hodges and Shutt, May 1979.
- 3 Adopted June 18, 1979, revised April 27, 1987, and further revised November 24, 1997.
- 4 (f) Urban Growth Management Program. As amended and adopted July 23, 1979, and as
- 5 further amended January 11, 1982, and November 28, 1983, and September 23, 1996.
- 6 (g) Willamette River Greenway Plan, July, 1979. Adopted September 24, 1979.
- 7 (h) South Liberty Road Corridor Study. Approved December 27, 1982.
- 8 (i) Salem Transportation System Plan adopted June 28, 1998, and amended February 14,
- 9 2000, May 14, 2001, January 24, 2005 and March 28, 2005.
- 10 (j) Salem Urban Area Public Facilities Plan. Adopted October 12, 1992.

11 **Section 4. Severability.** Each section of this ordinance, and any part thereof, is severable, and if
12 any part of this ordinance is held invalid by a court of competent jurisdiction, the remainder of this
13 ordinance shall remain in full force and effect.

14 PASSED by the Council this _____ day of _____, 2007.

15 ATTEST:

18 City Recorder

19 Approved by City Attorney: _____ 

20 Checked By: S. Downs

21 G:\Group\LEGAL\Council\040207 Wastewater Mgt Master Plan Amd ord.wpd

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EXHIBIT A

**City Council Staff Report Entitled
“Salem Wastewater Management
Master Plan Amendment” [Agenda
Item No. 7(b)] dated March 12, 2007**

EXHIBIT A

FOR COUNCIL MEETING OF:
AGENDA ITEM NO.:
PUBLIC WORKS FILE NO.:

March 12, 2007
7 (b)

TO: MAYOR AND CITY COUNCIL
THROUGH: ROBERT G. WELLS, CITY MANAGER
FROM: TIM GERLING, P.E., PUBLIC WORKS DIRECTOR
SUBJECT: SALEM WASTEWATER MANAGEMENT MASTER PLAN
AMENDMENT

ISSUE:

Shall Council approve the proposed amendments to the *Salem Wastewater Management Master Plan*, including its updated list of wastewater system project titles, maps, and written descriptions? (Attachment 1)

RECOMMENDATION:

The Planning Commission and staff recommend that Council approve the proposed amendment to the *Salem Wastewater Management Master Plan*, including the updated list of wastewater system project titles, the reference maps, and written descriptions.

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BACKGROUND:

The *Salem Wastewater Management Master Plan (Master Plan)* is a long-term planning document that serves as a guide to the future, and outlines a program that ensures Salem's wastewater customers will continue to be served by an adequate and sustainable wastewater collection, treatment, and disposal system. The *Master Plan* also reflects the continual and increasing regulatory scrutiny and community development, resulting in the need for periodic updates and amendments.

History

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or are now under construction, particularly at the Willow Lake Water Pollution Control Facility (WPCF). This continued refinement has been in concert with staff's review of the Water and Wastewater System Development Charge (SDC) methodologies.

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The estimated project costs have been updated from the 1996 *Master Plan*, the 2002 *Facilities Plan*, and the 2005 *Master Plan* Amendment to reflect inflation within the construction industry since those respective documents were adopted. The cost estimates reflect those set forth in the City's Preliminary CIP for FY 2008/2009 - FY 2011/2012, and correspond to the Engineering News Record (ENR) Construction Cost Index 3-City Average for Los Angeles, San Francisco, and Seattle in March 2006 of 8481.89.

Table 1
Summary Comparison of the January 2007 Wastewater Master Plan Amendment Projects
With Past Master Plans (all costs are in millions of dollars)

	Project Implementation Time Period				TOTAL
	0 - 5 Years	6 - 10 Years	11 - 20 Years	> 20 Years	
1996 Master Plan (costs escalated from 10/95 ENR = 5934 to 3/2006 ENR = 8481.89)					
Conveyance Projects	\$15.44	\$10.01	\$40.30	-0-	\$65.75
Treatment Projects	\$27.06	\$92.72	\$165.09	-0-	\$284.87
Total Identified Projects	\$42.50	\$102.73	\$205.39	-0-	\$350.62
2002 Willow Lake Facilities Plan (costs escalated from 3/2001 ENR = 6300, to 3/2006 ENR = 8481.89)					
MAO Compliance Program					
Phase 1a (PEFTF Phase 1, Downtown Interceptor, and 155 MGD Willow Lake)	\$150.23	\$30.05	-0-	-0-	\$180.28
Phase 1b (Willow Lake Solids)	\$12.57	\$6.28	-0-	-0-	\$18.85
Phase 2 (PEFTF Phase 2, Union Street Interceptor, and Willow Lake Improvements)	\$59.87	\$119.73	-0-	-0-	\$179.60
Collection System/Pump Station Improvement Plans from 1996 Master Plan (not revisited by the 2002 Facilities Plan)	\$15.44	\$10.01	\$5.00	-0-	\$30.45
Post 2010 Program	-0-	\$119.12	\$29.78	-0-	\$148.90
Total Identified Projects	\$238.11	\$285.19	\$34.78	-0-	\$558.08
2007 Master Plan Amendment (costs based on 3/2006 ENR = 8481.89)					
Pipe Projects	\$21.48	\$54.20	\$31.16	\$7.61	\$114.45
Treatment Projects	\$129.81	\$280.22	\$46.34	\$0.36	\$456.73
Total Identified Projects	\$151.29	\$334.42	\$77.50	\$7.97	\$571.18
Operation & Maintenance (O & M) Projects	\$23.24	\$6.91	\$11.00	\$39.38	\$80.53
Total Identified Wastewater System Projects	\$174.53	\$341.33	\$88.50	\$47.35	\$651.71

Adoption Process

Salem Revised Code (SRC) Chapter 64 defines a System Master Plan as a "Detailed Plan" incorporated by reference into the City's Comprehensive Plan. The various System Master Plans in turn incorporate lists of water, wastewater, stormwater, and transportation public facilities projects, respectively. The lists include project titles, maps and/or written descriptions of the public facility projects, and their locations and/or service areas. Amendments to the Comprehensive Plan fall into two classifications, major and minor. Major items are broadly classified as legislative acts of the Council. Minor items are broadly classified to be:

quasi-judicial acts, a single proceeding for amendment to the Comprehensive Plan map affecting less than five privately and separately owned tax lots, or a Category 4 plan amendment as described in SRC 64.050(d).

System Master Plan amendments generally affect more than four lots and are categorized in SRC 64.050(a) as Category 1 plan amendments. Therefore, the amendments of System Master Plans and their associated project lists are classified as a "Major" change.

The process for a major change includes:

- Identification of the change and modification of the lists containing project titles, maps and/or written descriptions of the public facility projects, and their locations and/or service areas by technical staff. Over the past several months, staff has updated the project list, maps, and written descriptions, and revised the associated documentation. This has included consolidating and verifying the specific projects listed in the existing *Master Plan* (and subsequent amendments thereto), the CIP, and the O&M project list maintained by the Public Works Operations Services Division that largely reflects R&R projects.
- Initiation for amendment by either the Council or the Salem Planning Commission. Staff initiated the formal *Master Plan* revision process on or about June 2, 2006, by scheduling a formal public hearing by the Planning Commission.
- Forty-five (45) days notice to the Department of Land Conservation and Development (DLCD). The proposed *Master Plan* amendment was initially submitted to the DLCD on June 2, 2006, for review and comment. The DLCD reviewed the proposed amendment and, absent of any written comment after 45 days, deemed it in compliance with the State land use regulations. Since several months had elapsed since the DLCD staff initially reviewed the proposed amendment (during which time the various project lists were consolidated and refined by City staff), the updated proposed amendment (including its revised project listing format and maps) was reviewed with DLCD staff on January 4, 2007. DLCD staff expressed their opinion that the presently proposed Master Plan Amendment was not substantively different from that which they had reviewed previously, and no additional submittal was needed until the adoption process was completed.

- Formal public hearing by the Planning Commission: "SRC 114.020 (c) Hearings are required for the following land use actions conducted by the planning commission: ... (6) Adoption of or major amendment to a master plan under SRC 143C." The Planning Commission hearing was held on August 1, 2006, at which time no objections or requests for revision to the proposed Master Plan Amendment were raised. The Commission recommended forwarding the Amendment to Council for public hearing and adoption (Attachment 2). Although the project list format has been updated, and the various project listings themselves consolidated and updated, the currently proposed Master Plan Amendment is not substantively different from that reviewed and endorsed by the Planning Commission at its August 1 meeting. Therefore, no additional formal action by the Planning Commission has been deemed necessary for the currently proposed Master Plan Amendment.
- Formal public hearing held by the City Council. Council public hearing March 12, 2007.
- Ratification of the ordinance bill following two readings by the City Council.
- Adoption of the amended *System Master Plan*.

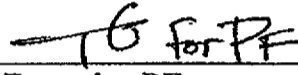
FACTS AND FINDINGS:

1. The City of Salem *Wastewater Master Plan* was adopted by Council December 16, 1996, as were its subsequent amendments (September 23, 2002, and February 7, 2005), as a Detailed Plan in accordance with SRC 64.230(b).
2. Detailed Plans are prepared as a policy guide to the Comprehensive Plan, and the lists of wastewater system project titles and maps or written descriptions of such public facility project locations or service areas are not part of the Comprehensive Plan (SRC 64.235).
3. As set forth by SRC 64.240, amendments to Detailed Plans, or amendments to the list of wastewater system public facility project titles and maps or written descriptions of such public facility project locations or service areas, shall follow the procedure set forth in SRC 64.080(b); to wit, public hearings on the proposed amendments shall be held before the Salem Planning Commission and the City Council.
4. Since the February 7, 2005, *Wastewater System Master Plan Amendment* was adopted, City staff has refined their engineering calculations and evaluations, consolidated various project lists to reflect refinement of the Willow Lake WPCF expansion program, and major projects completed and/or underway since the *Master Plan* was last amended, and updated the *Master Plan* list of projects and their associated costs to reflect recent construction costs and anticipated trends. This amendment gives written descriptions of the modified and/or new work. It also replaces the existing adopted list of projects and the associated maps, and is consistent with the concurrent updating of the Wastewater System Development Charge (SDC) methodology. The content of this amendment should be read in concert with the adopted 1996 *Wastewater System Master Plan* and its

Salem Wastewater Management
Master Plan Amendment
Council Meeting of March 12, 2007
Page 6

subsequent amendments, but where appropriate, supercede and be read in place of the adopted 1996 *Wastewater System Master Plan* and its subsequent amendments.

5. Due to the extensive nature of the supporting attachments to these amendments, the reference maps and full lists of projects, their titles, descriptions, and estimated costs can be viewed under "Current Topics" on the City's website at <http://www.cityofsalem.net/>.



Peter Fernandez, P.E.,
Assistant Public Works Director

SCD:\TW\G\GROUP\CLERICAL\STAFF\REP\FINAL\WASTEWATER\MF\STAFF\REPORT.WPD

Attachments:

1. Amendment of the *Salem Wastewater System Master Plan*, January 2007
2. Salem Planning Commission Record of Decision, August 1, 2006

Wards: All

March 8, 2007 (11:58am)

Prepared by: Stephen C. Downs, P.E., Chief Utilities Planning Engineer

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PLANNING COMMISSION

PLANNING DIVISION
555 LIBERTY ST. SE/ROOM 305
SALEM, OREGON 97301
PHONE: 503-588-6173
FAX: 503-588-6005



ATTACHMENT 2

ISSUE: Salem Waste Water Master Plan Amendments

DATE OF DECISION: August 1, 2006

APPLICANT: City of Salem

PURPOSE OF REQUEST:

To recommend to City Council that the proposed Salem Waste Water Master Plan Amendments be adopted.

ACTION:

The Planning Commission moved to forward the proposed Salem Waste Water Master Plan Amendments to City Council with a recommendation to adopt.

PLANNING COMMISSION VOTE

5 YES 0 NO 2 ABSENT (Lewis, Levin)

EXHIBIT B

*Amendment Of The Salem Wastewater
Management Master Plan
January 2007*

**AMENDMENT OF
THE SALEM WASTEWATER MANAGEMENT MASTER PLAN
January 2007**

Under Salem Revised Code (SRC) Chapter 64, a utility master plan is defined as a "Detailed Plan" that is incorporated by reference into the City's Comprehensive Plan. As such, the Master Plan includes the list of specific projects necessary to meet the City's current and future utility needs for the planning period, typically the Urban Growth Boundary (UGB) under build-out conditions. These project lists, and their accompanying brief descriptions and location maps, are then used by City staff in the Capital Improvement Program (CIP) process, specific project design and construction, guiding development activities, and the development of long-range utility financial plans.

History and Background

The 1996 Salem Wastewater Management Master Plan (adopted by the Salem City Council on December 16, 1996) outlined the requirements for providing wastewater service for existing and future customers for a 20-year period. The 1996 Master Plan principally focused on two primary issues: how to deal with wet weather flows, and how to treat wastewater loads. In addressing these two issues, the 1996 Master Plan identified specific capital improvements for collection, conveyance, and treatment of the community's wastewater.

The Master Plan also addressed wet weather flows and compliance with the deadlines set forth in the 1996 Mutual Agreement and Order (MAO) between the City of Salem and the Oregon Department of Environmental Quality (DEQ). The MAO required completion of collection system improvements to eliminate 5-year winter storm sanitary sewer overflows (SSOs) to tributary streams by January 1, 2000, newly discovered SSOs to tributary streams by January 1, 2005, and elimination of 5-year storm-generated SSOs to the Willamette River by December 31, 2009. The City has met the 2000 and 2005 MAO deadlines and is diligently working toward the 2009 compliance date.

Subsequent to adoption of the 1996 Master Plan, advances in wastewater treatment technology and clarification of the United States Environmental Protection Agency (EPA) guidance on handling wet weather wastewater flows and SSOs prompted the City to reevaluate the conveyance and treatment recommendations set forth by the 1996 Master Plan. As a result, on September 23, 2002, the City Council adopted the Willow Lake Wastewater Treatment Plant Facilities Plan as an amendment to the 1996 Master Plan. The Facilities Plan replaced some elements of the 1996 Master Plan, while leaving other elements in place. The fundamental policies and goals of the 1996 Master Plan remained intact, while some specific implementation concepts and schedules were changed to reflect prevailing wastewater flows and loads and the current regulatory scene. Changes to the 1996 Master Plan made by the Facilities Plan, and the elements that remained unchanged were as follows:

<u>Replaced</u>	<u>Not Replaced</u>
Wet Weather Treatment Plans	Policies
Food Processing Wastewater Treatment Plan	Collection System Improvement Plans
Wastewater Flow and Load Projections	Pump Station Improvement Plans
Interceptor Improvement Plan	

Since the 2002 Facilities Plan was adopted, staff has continued refining the recommended capital improvements such that the tabular summaries identifying the specific capital improvements and their estimated costs, plus the associated maps, have warranted updating. This effort resulted in a reevaluation of some of the capital improvement projects identified by the 1996 Master Plan and 2002 Facilities Plan. In addition, many of the other capital improvements identified by the previous Plans have been constructed. These implementation efforts, often done in conjunction with proposed new development or redevelopment projects, have similarly resulted in a significant refinement or modification of the collection system improvement plans identified by the 1996 Master Plan. These ongoing activities resulted in the most recent Master Plan Amendment (adopted by City Council February 7, 2005).

New Process

Since the 2005 Amendment, staff has continued to work on the recommended capital improvements, reflecting the significant capital improvement projects that have been completed or are now under construction, particularly at the Willow Lake Water Pollution Control Facility.

Staff has reviewed historical practices and consolidated all of the City infrastructure needs into one single project-needs list. Historically Public Works has maintained three distinct project lists: one within the utility infrastructure Master Plan, one within the CIP for funded and unfunded projects, and a third at the Operations Services Division for traditional operations and maintenance (O & M) projects, often referred to as rehabilitation and replacement (R & R) projects. None of the project lists, in and of themselves, provided a comprehensive picture of the total system infrastructure needs of the City. This review process, in conjunction with development of this Master Plan Amendment, has resulted in a single project-needs list for the entire wastewater system for service to the City's current Urban Growth Boundary (UGB) under build-out conditions, encompassing collection, interceptors, pump stations, and treatment and disposal, irrespective of their potential sources of funding.

Project Lists and Maps

Table 1 summarizes the Master Plan wastewater infrastructure-needs that have been identified to serve the current UGB. Master Plan projects are generally capacity-increasing. Capacity increases may be necessary to accommodate future growth, solve an existing capacity deficiency to meet current needs, and/or be needed to meet a regulatory-driven requirement (such as SSO elimination or prevention). The detailed Master Plan project list and associated location maps are provided as Appendix A. The projects with an identified growth component will serve as the initial basis for updating the wastewater System Development Charge methodology - specifically the improvement component (SDCi) of that SDC.

The estimated project costs have been updated from the 1996 Master Plan, the 2002 Facilities Plan, and the 2005 Master Plan Amendment to reflect inflation within the construction industry since those respective documents were adopted. The cost estimates

**TABLE 1
WASTEWATER MASTER PLAN AMENDMENT PROJECT SUMMARY
Cost Basis of March 2005, ENR 3-City Index = 6431.03
JANUARY 2007**

PROJECT TYPE	PROJECT PURPOSE	2016-2010	2011-2025	2016-2025	>2025	TOTAL
WASTEWATER MASTER PLAN PROJECTS Pipe Projects	SSO/Potential SSO	\$108,000	\$2,187,000	\$485,000		\$2,800,000
	Reserve SSO & Future Development		\$78,164,000	\$707,000		\$19,891,000
	Future Development		\$22,492,000	\$16,416,000	\$3,916,000	\$94,489,000
	Reserve Residual & Future Development	\$19,297,000		\$392,000		\$6,188,000
	Capacity Issues/Future Development		\$1,500,000	\$2,868,000		\$4,198,000
	P.A. Elimination		\$4,544,000			\$4,544,000
	P.S. Consolidation/Future Development	\$1,047,000		\$2,777,000		\$3,824,000
	P.S. Elimination & Future Development		\$760,000	\$4,511,000		\$5,271,000
	Senior Existing Discharge Development	\$481,000		\$819,000		\$1,300,000
	System Optimization	\$1,191,000				\$1,191,000
	Inadequate Design/Future Development	\$661,000				\$661,000
		\$21,457,000	\$34,204,000	\$31,167,000	\$7,809,000	\$114,457,000
	Subtotal of Master Plan Pipe Projects					
Treatment & Other Projects	Future Development		\$859,000	\$1,434,000		\$2,899,000
	Future Development		\$14,341,000	\$6,985,000		\$20,376,000
	Future Development			\$277,000		\$277,000
	SSOs & Future Development	\$10,463,000	\$24,164,000	\$20,712,000		\$55,339,000
	System Optimization	\$988,000	\$481,000			\$1,427,000
	SSOs & Future Development	\$113,597,000	\$229,176,000	\$18,049,000		\$354,812,000
	System Optimization & Future Development	\$1,170,000	\$6,289,000			\$7,459,000
	Future Development	\$3,667,000	\$72,000			\$3,739,000
	SSO/Future Development/RAR	\$128,819,000	\$260,218,000	\$18,343,000	\$369,000	\$456,731,000
			\$151,294,000	\$354,422,000	\$77,499,000	\$7,806,000
	TOTAL MASTER PLAN PROJECTS					

reflect those set forth in the CIP for FY 2008/2009 - FY 2011/2012, and correspond to the Engineering News Record (ENR) Construction Cost Index 3-City Average for Los Angeles, San Francisco and Seattle in March 2006 of 8481.89.

Pipe sizes identified for the individual projects reflect the required minimum pipe size at the minimum acceptable slope (per City of Salem Public Works Design Standards) to convey the projected design flows under Comprehensive Plan build-out conditions. Pipe sizes will be evaluated and refined as necessary by each project's design engineer during the conceptual and detailed final design for each project. The ultimately selected pipe size may be smaller than that shown if prevailing site conditions (i.e., slopes) allow such a modification as ultimately determined by the design engineer to the satisfaction of the Public Works Director.

In addition to these Master Plan-associated projects, there are additional O & M-focused needs within the wastewater infrastructure system that typically do not have a capacity-increasing component associated with them. These projects are typically needed to resolve an existing capacity deficiency within an already built-out area, or to address an identified infrastructure structural or condition deficiency. The detailed O & M project list and associated location maps are provided for information as Appendix B. Table 2 summarizes the O & M project needs throughout the system. Table 3 summarizes the projected total wastewater infrastructure needs (Master Plan plus O & M) to meet the community's existing and future needs for the 20+ year planning period.

Corollary "Next Step" Activities

The projects identified in this Master Plan Amendment (Table 1 and Appendix A) represent the anticipated wastewater infrastructure needs to serve the City's current Urban Growth Boundary (UGB) under build-out conditions. The listing of specific projects, including their projected time frame for construction, does not automatically mean they will indeed be constructed. This Master Plan Amendment identifies the "planable" infrastructure-needs, reflecting current and anticipated regulatory requirements, known existing infrastructure capacity constraints and physical condition concerns, and anticipated community growth patterns and expectations. The needs set forth herein become key inputs to several other concurrent and often ongoing City analyses, including updating the Wastewater SDC methodology, Cost of Service Analysis (COSA) and resulting rate adjustments, and utility financial feasibility analyses and development of long-range utility financial plans. The various project packages and associated implementation schedules set forth by this Master Plan Amendment will be periodically adjusted and adaptively managed through the CIP and financial planning processes, consistent with prudent stewardship of the City's infrastructure investment and financial capabilities.

Table 2
 Wastewater Infrastructure Operations & Maintenance (O & M) Projects
 Cost Basis of March 2006, ENR 3-City Index = 8481.63
 January 2007

PROJECT TYPE	PROJECT PURPOSE	2006-2010	2011-2020	2016-2025	>2025	TOTAL
WASTEWATER OPERATIONS & MAINTENANCE (O&M) PROJECTS						
Collection System Projects		\$5,270,000	\$3,247,000	\$1,418,000	\$30,905,000	\$63,960,000
Rehabilitation and Replacement (RA&R)		\$238,000	\$298,000	\$31,000	\$329,000	\$939,000
System Optimization		\$310,000	\$173,000	\$1,422,000	\$415,000	\$1,622,000
24-Hour Rehabilitation		\$238,000	\$173,000	\$1,422,000	\$415,000	\$1,622,000
Pump Station Consolidation		\$310,000	\$173,000	\$1,422,000	\$415,000	\$1,622,000
Pump Station Elimination		\$238,000	\$173,000	\$1,422,000	\$415,000	\$1,622,000
Pump Station Relocation		\$310,000	\$173,000	\$1,422,000	\$415,000	\$1,622,000
Pump Station Consolidation/Elimination & Future Development		\$238,000	\$173,000	\$1,422,000	\$415,000	\$1,622,000
Subtotal of Collection System O&M Projects		\$8,656,000	\$5,321,000	\$3,274,000	\$13,256,000	\$30,507,000
Other Projects		\$144,000	\$402,000	\$1,630,000		\$2,176,000
Pump Station Replacement		\$144,000	\$402,000	\$1,630,000		\$2,176,000
Vector Dewatering		\$144,000	\$402,000	\$1,630,000		\$2,176,000
Repairs Operations Building #2		\$144,000	\$402,000	\$1,630,000		\$2,176,000
Def. Loan Prg. Service Lateral Retrofit, Opportunity Grants, etc.		\$144,000	\$402,000	\$1,630,000		\$2,176,000
Subtotal of Other O&M Projects		\$144,000	\$402,000	\$1,630,000		\$2,176,000
TOTAL O&M PROJECTS		\$8,800,000	\$5,723,000	\$4,904,000	\$13,256,000	\$32,683,000

Table 3
Summary of Total Wastewater Infrastructure Needs
Costs in \$Million, With a Cost Basis of March 2006, ENR 3-City Index = 2481.89
January 2007

	Project Implementation Time Period (1)				TOTAL
	0 - 5 Years	6 - 10 Years	11 - 20 Years	> 20 Years	
2007 Master Plan Amendment (costs based on 3/2006 ENR = 2481.89)					
Pipe Projects	\$21.48	\$64.20	\$81.16	\$7.61	\$114.45
Treatment Projects	\$129.81	\$280.22	\$48.34	\$0.38	\$458.75
<u>Total Identified Master Plan Capital Projects</u>	\$151.29	\$334.42	\$77.50	\$7.97	\$571.18
Operation & Maintenance (O & M) Projects	\$23.24	\$6.91	\$11.00	\$39.38	\$80.53
<u>Total Identified Wastewater System Projects</u>	\$174.53	\$341.33	\$88.50	\$47.35	\$651.71

(1) Projects scheduled beyond the 5-year CIP window (0-5 years) have not had their costs inflated beyond the March 2006 ENR 3-City Index

Sanitary Sewer Master Plan - Pipe Projects

PJ ID	MLID	DIA (in)	LENGTH	PURPOSE	MP ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
			(ft)										
38-1	245	18	2,228	Future Dev & FS Elimination	3801	STATE ST	MARHT PUMP STATION	340 FT W I-5	2025	Salem	\$760,000	8481.9	63
Alpopt-1	78	18	3,192	Sys Optimization & Future Dev	AP02	TURNER RD SE	I-5	3104 TURNER RD SE	2015	Salem	\$1,120,000	8481.9	100
Alpopt-2	259	21	3,159	Possible SSO & Future Dev	AP03	AIRPORT RD SE	NORTH SANTIAM HW SE	STATE ST	2015	Salem	\$1,250,000	8481.9	72
Alpopt-2	258	27	2,802	Possible SSO & Future Dev	AP01	STATE ST	AIRPORT RD SE	WALKER ST NE	2015	Salem	\$1,440,000	8481.9	68
Battle-1	4	8	682	Future Development	BP10	6994 SUNNYSIDE RD SE	SUNNYSIDE RD SE	1484 SCOTCH AV SE	2025	Salem	\$120,000	8481.9	100
Battle-1	5	8	1,279	Future Development	BP07	7033 SUNNYSIDE RD SE	90 FT N UGB	SUNNYSIDE RD SE	2025	Salem	\$230,000	8481.9	100
Battle-1	17	8	726	Future Development	BP03	260 FT W COMMERCIAL	500 FT N WILTSEY RD	500 FT S FABRY RD SE	2010	Salem	\$190,000	8481.9	100
Battle-1	3	8	1,057	Future Development	BP09	SUNNYSIDE RD SE	OSPREY AV SE	40 FT N UGB	2025	Salem	\$180,000	8481.9	100
Battle-1	2	8	1,316	Future Development	BP08	7002 SUNNYSIDE RD SE	PEPPER TREE CT SE	230 FT N UGB	2025	Salem	\$240,000	8481.9	100
Battle-1	240	12	1,228	Future Development	BP02	2448 ROBINS LN SE	I-5	ROBINS LN SE	2015	Salem	\$370,000	8481.9	100
Battle-1	1	8	1,431	Future Development	BP11	20TH AV SE	NATIONAL CT SE	133 FT N UGB	2025	Salem	\$260,000	8481.9	100
Battle-1	241	10	1,670	Future Development	BP01	DEVELOPABLE PROPERTY	ROBINS LN SE	1500 FT N ROBINS LN	2015	Salem	\$500,000	8481.9	100
Battle-1	82	8	2,590	Future Development	BP04	BRENTWOOD DR SE	1150 NE OF ROBINS LN	1500 SW OF ROBINS LN	2015	Salem	\$470,000	8481.9	100
Battle-1	83	8	886	Future Development	BP06	1892 MADRAS ST SE	ROBINS LN SE	270 FT S OF MADRAS S	2010	Salem	\$180,000	8481.9	100
Battle-1	18	8	938	Future Development	BP05	WOODSIDE DR SE	WALNUT CREEK	FABRY RD SE	2010	Salem	\$170,000	8481.9	100
Belleave	210	10	32	Sys Optimization	BY01	MILL ST SE	380 FT E WINTER ST S	380 FT E WINTER ST S	2015	Salem	\$10,000	8481.9	0
Brush-1	168	18	1,350	Future Development	BC15	GRICE HILL CT NW	GRICE HILL DR NW	1350 F N GRICE HILL	2010	Salem	\$470,000	8481.9	100
Brush-1	179	12	4,316	Future Development	BC21	ORCHARD HEIGHTS RD N	37TH AV NW	WINSLOW CREEK	2010	Salem	\$1,300,000	8481.9	100
Brush-1	168	10	884	Future Development	BC18	WINSLOW CREEK	GRICE HILL DR NW	SIMMONS ST NW	2010	Salem	\$280,000	8481.9	100
Brush-1	169	8	1,559	Future Development	BC19	ECHO DR NW	37TH PL NW	SIMMONS ST NW	2015	Salem	\$300,000	8481.9	100
Brush-1	171	8	4,031	Future Development	BC14	EMERALD DR NW	ORCHARD HEIGHTS RD N	GRICE HILL CT NW	2025	Salem	\$730,000	8481.9	100
Brush-1	165	15	353	Future Development	BC17	GRICE HILL DR NW	340 FT SW GRICE HILL	GRICE HILL CT NW	2010	Salem	\$110,000	8481.9	100
Brush-1	174	18	3,589	Future Development	BC13	BPA POWERLINE	GRICE HILL CT NW	350 FT SE GIBSON RD	2010	Salem	\$1,270,000	8481.9	100
Brush-1	178	8	1,645	Future Development	BC22	DEVELOPABLE PROPERTY	40TH AV NW	37TH AV NW	2025	Salem	\$300,000	8481.9	100
Brush-1	170	8	1,705	Future Development	BC16	DEVELOPABLE PROPERTY	BPA POWERLINE	GRICE HILL DR NW	2015	Salem	\$310,000	8481.9	100
Brush-1	167	8	3,028	Future Development	BC20	WINSLOW CREEK	ORCHARD HEIGHTS RD N	SIMMONS ST NW	2015	Salem	\$650,000	8481.9	100

PJ ID ML ID DIA (in) LENGTH PURPOSE (ft) MP ID STREET FROM TO YEAR OWNER EST COST ENR GROWTH %

PJ ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	MP ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR GROWTH %
Brush-2	148	15	137	Rehab & Future Dev	BC27	DOAKS FERRY RD NW	130 FT NE MORROW CT	MORROW CT NW	2015	Salem	\$40,000	8481.8
Brush-2	207	12	535	Future Development	BC31	DOAKS FERRY RD NW	350 FT SW EMERALD DR	150 FT NE EMERALD DR	2015	Salem	\$160,000	8481.9
Brush-2	142	15	242	Rehab & Future Dev	BC37	WILARK DR NW	BRUSH COLLEGE RD NW	WISTERIA CT NW	2015	Salem	\$80,000	8481.9
Brush-2	143	15	147	Rehab & Future Dev	BC42	WILARK DR NW	WISTERIA CT NW	150 FT SW WISTERIA C	2015	Salem	\$50,000	8481.9
Brush-2	144	15	324	Rehab & Future Dev	BC40	WILARK DR NW	150 FT SW WISTERIA C	WINCHESTER ST NW	2015	Salem	\$110,000	8481.9
Brush-2	145	15	231	Rehab & Future Dev	BC26	DOAKS FERRY RD NW	120 FT SW MORROW CT	GIBSONWOODS CT NW	2015	Salem	\$80,000	8481.9
Brush-2	146	15	189	Rehab & Future Dev	BC39	WILARK DR NW	WINCHESTER ST NW	210 FT SW WINCHESTER	2015	Salem	\$60,000	8481.9
Brush-2	148	15	138	Rehab & Future Dev	BC28	DOAKS FERRY RD NW	MORROW CT NW	120 FT SW MORROW CT	2015	Salem	\$40,000	8481.9
Brush-2	208	10	1,449	Future Development	BC32	DOAKS FERRY RD NW	WILARK BROOK	350 FT SW EMERALD DR	2015	Salem	\$430,000	8481.9
Brush-2	150	15	175	Rehab & Future Dev	BC39	CITY OF SALEM, PARK	GIBSON CREEK	BRUSH COLLEGE RD NW	2015	Salem	\$90,000	8481.9
Brush-2	151	15	239	Rehab & Future Dev	BC41	BRUSH COLLEGE RD NW	WILARK BROOK	WILARK DR NW	2015	Salem	\$80,000	8481.9
Brush-2	153	15	197	Rehab & Future Dev	BC30	DOAKS FERRY RD NW	GIBSON CREEK	130 FT NE MORROW CT	2015	Salem	\$90,000	8481.9
Brush-2	181	15	1,141	Capacity Issue/Future Dev	BC38	WILARK DR NW	WOODHAVEN ST NW	280 FT NE WAYMIRE ST	2015	Salem	\$370,000	8481.9
Brush-2	164	10	2,400	Future Development	BC24	DEVELOPABLE PROPERTY	COLORADO DR NW	BRUSH COLLEGE RD NW	2010	Salem	\$710,000	8481.9
Brush-2	163	8	487	Future Development	BC34	DOAKS FERRY RD NW	350 FT NE ORCHARD HT	850 FT NE ORCHARD HT	2015	Salem	\$90,000	8481.9
Brush-2	180	12	1,554	Future Development	BC35	WILARK BROOK	DOAKS FERRY RD NW	WOODHAVEN ST NW	2015	Salem	\$470,000	8481.9
Brush-2	162	10	2,094	Future Development	BC33	DEVELOPABLE PROPERTY	27TH PL NW	DOAKS FERRY RD NW	2015	Salem	\$620,000	8481.9
Brush-2	147	15	548	Rehab & Future Dev	BC29	DOAKS FERRY RD NW	DOAKS FERRY RD NW	250 FT SW WEST PARK	2015	Salem	\$180,000	8481.9
Brush-3	177	8	5,255	Future Development	BC01	MICHIGAN CITY RD NW	WALLACE RD NW	BPA POWERLINE	2010	Salem	\$850,000	8481.9
Brush-3	1177	8	1,883	Future Development	BC44	DEVELOPABLE PROPERTY	NAUTILUS AV NW	BRUSH COLLEGE RD NW	2015	Salem	\$400,000	8481.9
Brush-4	175	21	3,330	Future Development	BC23	BRUSH COLLEGE RD NW	850 FT SE GIBSON RD	2800 FT SE BPA POWER	2010	Salem	\$1,320,000	8481.9
Brush-4	173	8	1,472	Future Development	BC11	BRUSH COLLEGE RD NW	570 FT N GIBSON RD N	850 FT SE GIBSON RD	2015	Salem	\$270,000	8481.9
Brush-4	172	8	1,535	Future Development	BC12	DEVELOPABLE PROPERTY	640 FT E BPA POWER	BRUSH COLLEGE RD NW	2015	Salem	\$280,000	8481.9
Brush-4	176	24	1,482	Inadequate Design/Future Dev	BC25	BRUSH COLLEGE RD NW	2800 FT SE BPA POWER	DOAKS FERRY RD NW	2010	Salem	\$680,000	8481.9
Brush-5	242	24	14,476	Future Development	BC43	CROSS COUNTRY	WEST SALEM PUMP STAT	WILLOW LAKE TREATMEN	2015	Salem	\$5,300,000	8481.9
Brush-6	157	10	503	Potential SSO	BC05	WALLACE RD NW	1020 FT NW BRUSH COL	500 FT NW BRUSH COL	2015	Salem	\$150,000	8481.9
Brush-6	152	10	493	Potential SSO	BC08	WALLACE RD NW	GIBSON CREEK	1020 FT NW BRUSH COL	2015	Salem	\$150,000	8481.9
Brush-6	158	10	125	Potential SSO	BC02	BRUSH COLLEGE RD NW	WINTERGREEN NW	130 FT E WINTERGREEN	2015	Salem	\$40,000	8481.9
Brush-6	154	12	350	Potential SSO	BC09	RIVER BEND RD NW	WALLACE RD NW	350 FT NE WALLACE RD	2015	Salem	\$110,000	8481.9

PJID	MLID	DIA (in)	LENGTH	PURPOSE	MP ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
Brush-6	156	12	223	Potential SSO	BC08	RIVER BEND RD NW	GLENN CREEK	200 FT NE GLENN CREEK	2015	Salem	\$70,000	8481.9	0
Brush-6	161	10	145	Potential SSO	BC04	BRUSH COLLEGE RD NW	420 FT E WINTERGREEN	WALLACE RD NW	2015	Salem	\$40,000	8481.9	0
Brush-5	160	10	510	Potential SSO	BC03	WALLACE RD NW	BRUSH COLLEGE RD NW	510 FT NW BRUSH COLL	2015	Salem	\$150,000	8481.9	0
Brush-6	189	10	284	Potential SSO	BC07	BRUSH COLLEGE RD NW	190 FT E WINTERGREEN	420 FT E WINTERGREEN	2015	Salem	\$90,000	8481.9	0
Brush-6	155	12	473	Potential SSO	BC10	RIVER BEND RD NW	350 FT NE WALLACE RD	GLENN CREEK	2015	Salem	\$140,000	8481.9	0
Clark-1	226	15	497	SSO	CL03	LIBERTY RD S	BROWNING AV SE	VINE ST SE	2015	Salem	\$140,000	8481.9	0
Clark-1	224	15	341	SSO	CL01	ROSELLE AV SE	MOONLIGHT AV SE	BROWNING AV SE	2015	Salem	\$110,000	8481.9	0
Clark-1	225	15	491	SSO	CL02	BROWNING AV SE	ROSELLE AV SE	LIBERTY RD S	2015	Salem	\$150,000	8481.9	0
Clark-1	227	15	854	SSO	CL04	VINE ST SE	LIBERTY RD S	CLARK CREEK	2015	Salem	\$290,000	8481.9	0
Correction	96	15	3,327	Future Development	CS06	OREGON-CORRECTIONS	800 FT S MILL CREEK	660 FT SW GATH & TUR	2025	Salem	\$1,040,000	8481.9	100
Correction	95	21	3,745	Future Development	CS05	TURNER RD SE	4602 TURNER RD SE	800 FT S MILL CREEK	2010	Salem	\$1,300,000	8481.9	100
Correction	92	27	3,657	Capacity Issue/Future Dev	CS04	TURNER RD SE	4605 TURNER RD SE	4655 TURNER RD SE	2015	Salem	\$140,000	8481.9	100
Correction	82	27	319	Capacity Issue/Future Dev	CS02	TURNER RD SE	4605 TURNER RD SE	4855 TURNER RD SE	2015	Salem	\$140,000	8481.9	43
Correction	87	12	3,887	Future Development	CS07	TURNER RD SE	600 FT S MILL CREEK	1550 SE GATH & TURNE	2010	Salem	\$1,140,000	8481.9	100
Correction	244	15	1,659	Future Development	CS01	GAFFIN RD SE	UGB	1700 FT NE UGB	2025	Salem	\$560,000	8481.9	100
Correction	250	21	4,193	Future Development	CS08	OREGON-CORRECTIONS	OR CORRECTIONS FACI	W MID PK LITTLE PUDD	2025	Salem	\$1,650,000	8481.9	100
Croisan-1	124	8	1,071	Future Development	CC05	BALLYNTYNE RD S	CROISAN CREEK RD S	UGB	2010	Salem	\$190,000	8481.9	100
Croisan-1	19	8	931	Future Development	CC46	150 FT S 3697 CROISA	CROISAN CREEK RD S	3737 CROISAN CREEK R	2010	Salem	\$170,000	8481.9	100
Croisan-1	20	8	540	Future Development	CC47	CROISAN CREEK RD S	3360 CROISAN CREEK R	TIMBER CT S	2010	Salem	\$100,000	8481.9	100
Croisan-1	115	8	544	Future Development	CC16	CROISAN CREEK	BALLYNTYNE RD S	450 FT S BALLYNTYNE	2010	Salem	\$100,000	8481.9	100
Croisan-1	116	8	315	Future Development	CC15	CROISAN CREEK RD S	BALLYNTYNE RD S	350 FT N BALLYNTYNE	2010	Salem	\$90,000	8481.9	100
Croisan-1	117	8	416	Future Development	CC14	CROISAN CREEK RD S	350 FT N BALLYNTYNE	790 FT N BALLYNTYNE	2010	Salem	\$90,000	8481.9	100
Croisan-1	118	10	635	Future Development	CC31	CROISAN CREEK RD S	HILLS SWALE	750 S HILLS SWALE	2010	Salem	\$190,000	8481.9	100
Croisan-1	119	12	1,421	Future Development	CC33	CROISAN CREEK RD S	4552 CROISAN CREEK R	HILLS SWALE	2010	Salem	\$430,000	8481.9	100
Croisan-1	120	15	382	Future Development	CC34	CROISAN CREEK RD S	4531 CROISAN CREEK R	4652 CROISAN CREEK R	2010	Salem	\$120,000	8481.9	100
Croisan-1	133	10	1,205	Future Development	CC27	CROISAN CREEK RD S	750 FT N KUEBLER RD	KUEBLER RD S	2010	Salem	\$360,000	8481.9	100
Croisan-1	122	18	2,727	Future Development	CC40	CROISAN CREEK RD S	SPRING ST S	4330 CROISAN CREEK R	2010	Salem	\$560,000	8481.9	100
Croisan-1	135	8	308	Future Development	CC21	DEVELOPABLE PROPERTY	300 FT W QUAIL RUN L	600 FT SW QUAIL RUN	2010	Salem	\$90,000	8481.9	100
Croisan-1	128	8	1,125	Future Development	CC03	GOETZ FAMILY FARM	CROISAN CREEK RD S	UGB	2010	Salem	\$200,000	8481.9	100

RJ ID	ML ID	DIA (in)	LENGTH	PURPOSE	MP ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
Croisan-1	127	8	792	Future Development	CC20	4857 CROISAN CREEK R	CROISAN CREEK RD S	UGB	2010	Salem	\$140,000	8481.9	100
Croisan-1	128	8	1,043	Future Development	CC19	HILLS SWALE	CROISAN CREEK RD S	UGB	2010	Salem	\$190,000	8481.9	100
Croisan-1	129	8	932	Future Development	CC18	DEVELOPABLE PROPERTY	CROISAN CREEK RD S	900 FT W CROISAN CRE	2010	Salem	\$170,000	8481.9	100
Croisan-1	130	8	1,253	Future Development	CC17	DEVELOPABLE PROPERTY	CROISAN CREEK RD S	1300 FT NE CROISAN C	2010	Salem	\$230,000	8481.9	100
Croisan-1	125	8	533	Future Development	CC10	DEVELOPABLE PROPERTY	CROISAN CREEK RD S	550 FT SE CROISAN CR	2010	Salem	\$100,000	8481.9	100
Croisan-1	132	8	337	Future Development	CC01	CROISAN CREEK RD S	KUEBLER RD S	600 FT S KUEBLER RD	2010	Salem	\$110,000	8481.9	100
Croisan-1	134	8	828	Future Development	CC04	DEVELOPABLE PROPERTY	CROISAN CREEK	300 FT W QUAIL RUN L	2010	Salem	\$150,000	8481.9	100
Croisan-1	121	18	1,237	Future Development	CC39	CROISAN CREEK RD S	4531 CROISAN CREEK R	4531 CROISAN CREEK R	2010	Salem	\$430,000	8481.9	100
Croisan-1	123	8	1,514	Future Development	CC07	CROISAN CREEK	BALLYNTYNE RD S	UGB	2010	Salem	\$270,000	8481.9	100
Croisan-2	102	15	1,481	Future Development	CC35	LAUREL CREEK	RIVER RD S	1000 SE 2599 GREY OA	2010	Salem	\$480,000	8481.9	100
Croisan-2	103	8	465	Future Development	CC06	LAUREL CREEK	1000 SE 2698 GREY OA	350 FT W HOMESTEAD R	2010	Salem	\$80,000	8481.9	100
Croisan-2	104	8	2,046	Future Development	CC22	LAUREL CREEK	350 FT W HOMESTEAD R	500 FT SE 3969 HOMES	2010	Salem	\$370,000	8481.9	100
Croisan-2	101	12	565	Future Development	CC32	LAUREL CREEK	1000 SE 2698 GREY OA	970 NE OF 3095 DEER	2010	Salem	\$170,000	8481.9	100
Croisan-2	100	8	2,625	Future Development	CC24	LAUREL CREEK	970 NE OF 3095 DEER	1550 S OF 3095 DEER	2010	Salem	\$460,000	8481.9	100
Croisan-2	99	8	3,252	Future Development	CC23	GREY OAK BROOK	RIVER RD S	3818 HOMESTEAD RD S	2010	Salem	\$600,000	8481.9	100
Croisan-2	98	8	941	Future Development	CC13	GREY OAK BROOK	RIVER RD S	350 FT S RIVER RD S	2010	Salem	\$170,000	8481.9	100
Croisan-3	110	10	1,491	Future Development	CC25	RIVER RD S	RIVERDALE RD S	800 FT NE VIEWCREST	2010	Salem	\$440,000	8481.9	100
Croisan-3	112	15	384	Future Development	CC36	RIVER RD S	ROGUE AV S	CHAMBERS SWALE	2025	Salem	\$130,000	8481.9	100
Croisan-3	107	10	2,659	Future Development	CC28	CHAMBERS SWALE	RIVER RD S	200 FT S ILLAHE HILL	2025	Salem	\$730,000	8481.9	100
Croisan-3	108	8	1,375	Future Development	CC11	RIVER RD S	CHAMBERS SWALE	1800 FT W ROGUE AV S	2025	Salem	\$250,000	8481.9	100
Croisan-3	109	8	1,010	Future Development	CC12	COUNTRY CLUB DR S	ILLAHE HILL RD S	ILLAHE & COUNTRY CLU	2010	Salem	\$180,000	8481.9	100
Croisan-3	113	10	1,884	Future Development	CC26	RIVER RD S	800 FT NE VIEWCREST	600 FT W OF HOMESTE	2010	Salem	\$560,000	8481.9	100
Croisan-4	209	27	1,120	Capacity Issue/Future Dev	CC45	RIVER RD S	1070 FT SW CROISAN C	CROISAN CREEK	2025	Salem	\$350,000	8481.9	82
Croisan-6	114	8	135	Future Development	CC30	BROWN ISLAND RD S	ILLAHE PUMP STATION	RIVER RD S	2025	Salem	\$10,000	8481.9	100
Croisan-6	111	10	3,362	Future Development	CC29	ILLAHE HILL COUNTRY	BROWN ISLAND RD S	ILLAHE HILL COUNTRY	2025	Salem	\$1,000,000	8481.9	100
Croisan-6	105	8	573	Future Development	CC08	ILLAHE HILL COUNTRY	430 NE COUNTRY CLUB	UGB	2025	Salem	\$100,000	8481.9	100
Croisan-6	249	10	2,819	Future Development	CC48	BROWN ISLAND RD S	2400 FT N RIVER RD S	ILLAHE PUMP STATION	2025	Salem	\$840,000	8481.9	100
Croisan-6	106	8	828	Future Development	CC09	COUNTRY CLUB DR S	380 N ST ANDREWS LP	ILLAHE HILL COUNTRY	2025	Salem	\$150,000	8481.9	100
EChesaw	28	10	3,558	Future Development	CH09	3890 - 3700 CHEMAWA	SOUTH LABISH DITCH	LOCKHAVEN PS	2055	Salem	\$800,000	8481.9	100

FJID MLID DIA (in) LENGTH PURPOSE (ft) MP ID STREET FROM TO YEAR OWNER EST COST ENR GROWTH %

FJID	MLID	DIA (in)	LENGTH	PURPOSE	MP ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
Echemaw	261	30	2,138	Rehab & Future Dev	CH18	4897 INDIAN SCHOOL R	INDIAN SCHOOL RD NE	CHEMAWA PUMP STATION	2055	Salem	\$1,290,000	8481.9	70
Echemaw	261	36	2,139	Rehab & Future Dev	CH14	4897 INDIAN SCHOOL R	INDIAN SCHOOL RD NE	CHEMAWA PUMP STATION	2055	Salem	\$1,290,000	8481.9	76
Echemaw	255	27	704	Rehab & Future Dev	CH17	CHEMAWA INDIAN SCHOO	PORTLAND RD NE	SOUTH LABISH DITCH	2015	Salem	\$440,000	8481.9	52
Echemaw	253	30	2,073	Rehab & Future Dev	CH15	CHEMAWA INDIAN SCHL	2160 FT W INDIAN SCH	INDIAN SCHOOL RD NE	2055	Salem	\$1,060,000	8481.9	63
Echemaw	254	21	1,988	Rehab & Future Dev	CH16	KALE ST NE	DREW ST NE	PORTLAND RD NE	2015	Salem	\$590,000	8481.9	35
Echemaw	34	15	1,411	Future Development	CH12	PORTLAND RD NE	KALE ST NE	5113 - 5183 PORTLAND	2015	Salem	\$400,000	8481.9	100
Echemaw	31	12	1,868	Future Development	CH07	860 FT E SOUTH LABIS	5113 - 5183 PORTLAND	HAZELGREEN PS	2015	Salem	\$380,000	8481.9	100
Echemaw	29	15	7,338	Future Development	CH06	LABISH GARDENS UGB	LAKE LABISH RD/HAZEL	HAZELGREEN PS	2055	Salem	\$2,520,000	8481.9	100
Echemaw	30	8	1,551	Future Development	CH02	HAZELGREEN RD NE	4565 HAZELGREEN RD N	LAKE LABISH RD NE	2055	Salem	\$280,000	8481.9	100
Echemaw	32	12	1,152	Future Development	CH03	NORTH FORK LITTLE PU	4982 HAZELGREEN RD N	HAZELGREEN RD NE	2055	Salem	\$310,000	8481.9	100
Echemaw	33	8	1,298	Future Development	CH08	HAZELGREEN RD NE	5092 HAZELGREEN RD N	LAKE LABISH RD NE	2055	Salem	\$240,000	8481.9	100
Echemaw	81	8	1,283	Sewer Exst. Dev. Area/Future Development	CH10	NILES AV NE	PHYLLIS ST NE	BLOSSOM DR NE	2025	Salem	\$230,000	8481.9	100
Echemaw	252	36	1,854	PS Elimination & Future Dev	CH13	CROSS CNTRY UNDR I-5	CHEMAWA PUMP STATION	KEIZER PUMP STATION	2025	Salem	\$1,470,000	8481.9	72
Eda-1	221	12	31	Potential SSO	EMO1	13TH ST NE	CENTER ST NE	CENTER ST NE	2010	Salem	\$10,000	8481.9	0
Eda-1	186	15	182	Capacity Issue/Future Dev	EO10	EOLA DR NW	TURNAGE ST NW	TURNAGE BROOK	2015	Salem	\$60,000	8481.9	45
Eda-1	183	15	187	Capacity Issue/Future Dev	EO04	TURNAGE BROOK	430 FT SW LOWER LA V	650 FT SW LOWER LA V	2015	Salem	\$60,000	8481.9	12
Eda-1	203	8	2,395	Future Development	EO13	EOLA DR NW	USB	DOAKS FERRY RD NW	2015	Salem	\$490,000	8481.9	100
Eda-1	191	15	78	Capacity Issue/Future Dev	EO08	TURNAGE BROOK	80 FT SW LOWER LA VI	160 FT SW LOWER LA V	2015	Salem	\$30,000	8481.9	12
Eda-1	182	15	217	Capacity Issue/Future Dev	EO09	TURNAGE BROOK	480 FT NW LOWER LA V	230 FT LOWER LA VIST	2015	Salem	\$70,000	8481.9	12
Eda-1	189	15	230	Capacity Issue/Future Dev	EO05	TURNAGE BROOK	150 FT SW LOWER LA V	460 FT SW LOWER LA V	2015	Salem	\$90,000	8481.9	12
Eda-1	187	15	231	Capacity Issue/Future Dev	EO08	TURNAGE BROOK	230 FT LOWER LA VIST	LOWER LA VISTA CT NW	2015	Salem	\$90,000	8481.9	12
Eda-1	185	15	181	Capacity Issue/Future Dev	EO02	TURNAGE BROOK	730 FT SW LOWER LA V	820 FT SW LOWER LA V	2015	Salem	\$80,000	8481.9	12
Eda-1	184	15	85	Capacity Issue/Future Dev	EO03	TURNAGE BROOK	650 FT SW LOWER LA V	730 FT SW LOWER LA V	2015	Salem	\$30,000	8481.9	12
Eda-1	204	6	2,375	Future Development	EO16	ASTER ST NW	LOWER AUTUMN ST NW	EAGLES VIEW PUMP STA	2015	Salem	\$430,000	8481.9	100
Eda-1	192	6	972	Future Development	EO14	DOAKS FERRY RD NW	POWER STATION SWALE	EOLA DR NW	2015	Salem	\$100,000	8481.9	100
Eda-1	188	15	78	Capacity Issue/Future Dev	EO07	TURNAGE BROOK	LOWER LA VISTA CT NW	80 FT SW LOWER LA VI	2015	Salem	\$90,000	8481.9	12
Eda-1	208	10	528	Future Development	EO11	EOLA DR NW	BPA POWERLINE	GEHLAR RD NW	2015	Salem	\$160,000	8481.9	100
Eda-1	190	15	129	Capacity Issue/Future Dev	EO01	TURNAGE BROOK	920 FT SW LOWER LA V	1050 FT SW LOWER LA V	2015	Salem	\$50,000	8481.9	40
Eda-1	205	10	1,239	Future Development	EO12	EOLA DR NW	DOAKS FERRY RD NW	BPA POWERLINE	2015	Salem	\$370,000	8481.9	100

FLYD	MLID	DIA (in)	LENGTH	PURPOSE	MP ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH
			(ft)									%	
Esola-2	202	18	859	Rehab & Future Dev	EL01	PATTERSON ST NW	EDGEWATER NW	140 FT S ELM ST NW	2025	Salem	\$300,000	8481.9	3
Esola-2	200	12	613	SSO	EL03	GERTH ST NW	FRANKLIN ST NW	110 FT S 3RD ST NW	2025	Salem	\$190,000	8481.9	0
Fairmont	231	18	328	SSO	FN02	HOYT ST SE	CLARK CREEK	RAYNOR ST SE	2025	Salem	\$120,000	8481.9	0
Fairmont	220	18	470	SSO	FN01	HOYT ST SE	RAYNOR ST SE	210 FT W SUMMER ST S	2025	Salem	\$170,000	8481.9	0
Glen-1	23	8	2,229	Future Development	GC04	3266 ORCHARD HEIGHTS	ADAMS ORCHARD AV NW	DAHLIA SWALE	2015	Salem	\$400,000	8481.9	100
Glen-1	22	9	3,029	Future Development	GC03	3266 ORCHARD HEIGHTS	SOUTH ARCHER BROOK	DAHLIA SWALE	2015	Salem	\$550,000	8481.9	100
Glen-1	24	8	882	Future Development	GC07	2916 ORCHARD HEIGHTS	SETTLERS SPRING DR N	ORCHARD HEIGHTS RD N	2015	Salem	\$160,000	8481.9	100
Glen-2	21	8	1,025	Future Development	GC01	1884 DOAKS FERRY RD	CHAPMAN HILL DR NW	DOAKS FERRY RD NW	2025	Salem	\$190,000	8481.9	100
Hayesville	219	38	1,005	PS Elimination	HD09	STATE OF OREGON-ODOT	710 FT S IBEX ST NE	I-5	2015	Salem	\$610,000	8481.9	0
Hayesville	218	30	706	PS Elimination	HD08	FISHER RD NE	IBEX ST NE	710 FT S IBEX ST NE	2015	Salem	\$400,000	8481.9	0
Hayesville	216	30	1,282	PS Elimination	HD07	IBEX ST NE	LANCASTER DR NE	FISHER RD NE	2015	Salem	\$790,000	8481.9	0
Hayesville	215	30	885	PS Elimination	HD05	LANCASTER DR NE	WARD DR NE	IBEX ST NE	2015	Salem	\$390,000	8481.9	0
Hayesville	213	21	1,274	SSO & PS Elimination	HD01	HAYESVILLE DR NE	HAYESVILLE PUMP STAT	HAPPY DR NE	2015	Salem	\$600,000	8481.9	0
Hayesville	238	24	522	Potential SSO & PS Elimination	HD02	HAYESVILLE DR NE	HAPPY DR NE	HAPPY DR NE	2015	Salem	\$240,000	8481.9	0
Hayesville	239	24	1,841	PS Elimination	HD03	HAYESVILLE DR NE	HAYESVILLE DR NE	REIMANN ST NE	2015	Salem	\$610,000	8481.9	0
Hayesville	214	27	2,549	PS Elimination	HD04	LANCASTER DR NE	HAYESVILLE DR NE	LANCASTER DR NE	2015	Salem	\$1,310,000	8481.9	0
Joy-1	84	8	1,340	Future Development	JC04	LONE OAK RD SE	MIRASOL AV SE	WARD DR NE	2010	Salem	\$240,000	8481.9	100
Joy-1	9	8	871	Future Development	JC06	BATTLE CREEK	UGB	SAHALEE DR SE	2010	Salem	\$160,000	8481.9	100
Joy-1	68	8	622	Future Development	JC02	SAHALEE DR SE	CHAMPION SWALE CREEK	630 FT NE	2010	Salem	\$110,000	8481.9	100
Joy-1	8	8	2,018	Future Development	JC01	CHAMPION SWALE CREEK	REES HILL RD SE	SAHALEE DR SE	2010	Salem	\$270,000	8481.9	100
Joy-1	88	10	974	Future Development	JC05	170 FT S OF MURFIEL	JORY CREEK	6140 LONE OAK RD SE	2010	Salem	\$280,000	8481.9	100
Joy-1	85	8	1,406	Future Development	JC03	LINN HAVEN DR SE	182 LINN HAVEN DR SE	JORY CREEK	2010	Salem	\$250,000	8481.9	100
Market-1	94	24	971	PS Consolidation & Future Dev	MS20	MACLEAY RD SE	CORDON PUMP STATION	4200 RICKY ST SE	2025	Salem	\$2,980,000	8481.9	2
Market-1	1184	21	1,913	PS Consolidation & Future Dev	MS16	CROSS CENTRY	970 FT SE CRANSTON S	HWY 22	2025	Salem	\$750,000	8481.9	34
Market-1	225	21	538	PS Consolidation & Future Dev	MS17	49TH AV SE	200 FT S SEATTLE SLE	TURQUOISE AV SE	2025	Salem	\$210,000	8481.9	34
Market-2	94	30	5,475	Capacity Issue/Future Dev	MS19	MACLEAY RD SE	CORDON PUMP STATION	4200 RICKY ST SE	2025	Salem	\$2,380,000	8481.9	31
Market-3	45	10	4,317	Future Development	MS24	120 FT S AUBURN RD N	SNOOPY LN NE AND AUB	FUTURE INDUSTRIAL PU	2025	Salem	\$780,000	8481.9	100
Market-3	43	8	1,305	Future Development	MS25	4653 AUBURN RD NE	200 FT N AUBURN RD N	HOFFMAN RD NE	2025	Salem	\$240,000	8481.9	100
Market-3	44	15	1,086	Future Development	MS26	800 FT W GORDON RD N	800 FT N 4900 STATE	FUTURE INDUSTRIAL PU	2025	Salem	\$350,000	8481.9	100

PJ ID ML ID DIA (in) LENGTH PURPOSE (ft) MP ID STREET FROM TO YEAR OWNER EST COST ENR GROWTH %

PJ ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	MP ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR GROWTH %
McNary-1	250	36	3,657	Rehab & Future Dev	MIN01	MCHARY ESTATES DR N	MCCLURE ST N	WILLOW LAKE TREATMEN	2010	Keizer	\$2,210,000	8481.9
NKaiser-1	27	21	4,407	Capacity Issue/Future Dev	NK03	LABISH DITCH	780 W I S	ROCK LEDGE CT NE	2015	Keizer	\$1,740,000	8481.9
NKaiser-1	28	8	716	Future Development	NK01	OPPEK ST NE	O'NEIL RD NE	OPPEK ST NE	2015	Keizer	\$130,000	8481.9
NKaiser-1	25	8	886	Future Development	NK05	TIMOTHY LN NE	7800 TIMOTHY LN NE	CLEAR LAKE RD NE	2015	Keizer	\$150,000	8481.9
NKaiser-2	251	36	3,374	PS Elimination & Future Dev	NK06	KEIZER RD NE	KEIZER PUMP STATION	CLAGGETT CREEK	2025	Salem	\$2,550,000	8481.9
NTTrunk-1	80	10	1,087	Future Development	NT01	699 LOCUST ST NE	MAPLE AV NE	600 FT W CHERRY AV N	2025	Salem	\$320,000	8481.9
NTTrunk-1	79	10	1,247	Future Development	NT02	CHERRY AV NE	430 FT N JOHNSON ST	SALEM INDUSTRIAL DR	2025	Salem	\$370,000	8481.9
Powell-1	6	8	2,736	Future Development	PO03	SUNNYSIDE RD SE/REES	REES HILL RD SE	6596 SUNNYSIDE RD SE	2025	Salem	\$500,000	8481.9
Powell-1	87	10	554	Future Development	PO01	ELKINS WY SE AT POWE	9700 DEVON AV SE	988 SAHALEE CT SE	2025	Salem	\$280,000	8481.9
Powell-1	7	8	1,259	Future Development	PO02	POWELL CREEK	REES HILL RD SE	ELKINS WY SE	2025	Salem	\$232,000	8481.9
Pringle-2	220	12	486	SSO	PC01	COMMERCIAL ST SE	OAKHILL AV SE	BROWNING AV SE	2010	Salem	\$150,000	8481.9
Railroad-1	49	8	2,117	Sewer Exist. Dev./Future Development	RR22	WILTSEY SWALE CREEK	SHADOW LN SE	711 CREEK	2025	Salem	\$380,000	8481.9
Railroad-1	48	8	1,211	Future Development	RR20	200 FT N TIMBET DR S	EAST FORK PRINGLE CR	EASTLAND AV SE	2025	Salem	\$220,000	8481.9
Railroad-1	47	8	1,185	Future Development	RR21	60 FT W EASTLAND AV	200 FT N TIMBET DR S	LANGLEY ST SE	2025	Salem	\$210,000	8481.9
Railroad-1	46	8	1,019	Future Development	RR03	60 FT W EASTLAND AV	550 FT N WILTSEY RD	200 FT N TIMBET DR S	2025	Salem	\$180,000	8481.9
Railroad-1	73	10	2,567	Future Development	RR05	KUEBLER BV SE	600 FT N KUEBLER BV	TRELSTAD AV SE	2015	Salem	\$730,000	8481.9
Railroad-1	74	12	1,410	Future Development	RR04	LANGLEY ST SE	EASTLAND AV SE	1000 FT E 36TH AV SE	2025	Salem	\$390,000	8481.9
Railroad-1	75	15	1,398	Future Development	RR29	3886 KASHMIR WY SE	LANGLEY ST SE	KASHMIR WY SE	2025	Salem	\$440,000	8481.9
Railroad-1	51	8	350	Future Development	RR08	LANGLEY ST SE	TANGLEWOOD BROOK	2000 FT W MILL CREEK	2025	Salem	\$60,000	8481.9
Railroad-1	283	15	3,056	Future Development	RR29	36TH AV SE	TANGLEWOOD WY SE	KASHMIR WY SE	2015	Salem	\$660,000	8481.9
Railroad-1	52	8	443	Future Development	RR11	EAST FORK PRINGLE CR	350 FT NW TIMBET DR	KASHMIR WY SE	2025	Salem	\$60,000	8481.9
Railroad-1	72	10	1,696	Future Development	RR16	MARIETTA ST SE/23RD	1000 FT E I S	600 FT E COLBY LN SE	2015	Salem	\$390,000	8481.9
Railroad-1	77	12	1,677	Future Development	RR09	KASHMIR WY SE	36TH AV SE	600 FT N KUEBLER BV	2025	Salem	\$460,000	8481.9
Railroad-1	76	15	1,290	Future Development	RR02	3780 BOONE RD SE	KASHMIR WY SE	3686 KASHMIR WY SE	2025	Salem	\$390,000	8481.9
Railroad-1	263	18	3,066	Future Development	RR29	36TH AV SE	TANGLEWOOD WY SE	BOONE RD SE	2015	Salem	\$650,000	8481.9
Railroad-1	61	12	838	Future Development	RR28	36TH AV SE	580 NW FEATHER LN SE	TANGLEWOOD WY SE	2015	Salem	\$230,000	8481.9
Railroad-1	71	8	861	Future Development	RR19	TRELSTAD AV SE	1200 FT W TURNER RD	36TH AV SE	2015	Salem	\$160,000	8481.9
Railroad-1	70	18	1,487	Future Development	RR10	BOONE RD SE	EASTLAND AV SE	36TH AV SE	2025	Salem	\$430,000	8481.9
Railroad-1	68	8	1,654	Future Development	RR12	BOONE RD SE	32ND AV SE	36TH AV SE	2015	Salem	\$300,000	8481.9

RJ ID ML ID DIA (in) LENGTH PURPOSE (ft) MP ID STREET FROM TO YEAR OWNER EST COST ENR GROWTH %

RJ ID	ML ID	DIA (in)	LENGTH	PURPOSE	MP ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR GROWTH %
Railroad-1	68	8	896	Future Development	RR17	3425 LITCHFIELD PL S	32ND AV SE	1300 FT E I-5	2015	Salem	\$180,000	8481.9
Railroad-1	63	27	3,855	Future Development	RR27	EAST FORK PRINGLE CR	KUEBLER BV SE	500 FT SE I-5	2015	Salem	\$1,840,000	8481.9
Railroad-1	50	8	689	Future Development	RR16	270 FT E 775 CREEK	711 CREEK	LANGLEY ST SE	2025	Salem	\$120,000	8481.9
Railroad-1	62	27	971	Future Development	RR28	38TH AV SE	BOONE RD SE	TRELSTAD AV SE	2015	Salem	\$530,000	8481.9
Railroad-1	60	12	2,068	Future Dev & PS Elimination	RR25	5459 38TH AV SE	90 FT E I-5	38TH AV SE	2015	Salem	\$790,000	8481.9
Railroad-1	59	6	623	Sewer Exist. Dev. Area/Future Development	RR24	MARK CT SE	TANGLEWOOD WY SE	CUL DE SAC MARK CT S	2015	Salem	\$110,000	8481.8
Railroad-1	58	8	1,340	Sewer Exist. Dev. Area/Future Development	RR07	TANGLEWOOD WY SE	MARK CT SE	38TH AV SE	2015	Salem	\$240,000	8481.9
Railroad-1	67	8	684	Sewer Exist. Dev. Area/Future Development	RR06	TANGLEWOOD WY SE	SERENITY DR SE	MARK CT SE	2015	Salem	\$120,000	8481.9
Railroad-1	55	8	933	Future Development	RR15	750 FT S BABER CT SE	630 FT E I-5	770 FT SE TRANQUILIT	2015	Salem	\$170,000	8481.9
Railroad-1	55	8	1,505	Future Development	RR14	5633 38TH AV SE	770 FT SE TRANQUILIT	COLBY LN SE	2015	Salem	\$270,000	8481.9
Railroad-1	54	8	1,071	Future Development	RR01	1500 FT W 38TH AV SE	230 FT W WILTSEY ST	770 FT SE TRANQUILIT	2015	Salem	\$190,000	8481.9
Railroad-1	53	8	1,389	Future Development	RR13	300 FT W WILTSEY SWA	WILTSEY ST SE	570 FT NW FEATHER LN	2015	Salem	\$250,000	8481.9
R02-1	64	8	1,140	Future Development	R003	700 FT W I-5	BOONE RD SE AND 27TH	KUEBLER BV SE	2015	Salem	\$210,000	8481.9
R02-1	65	8	1,607	Future Development	R001	MARIETTA ST SE	KUEBLER BV SE	MARIETTA ST SE	2015	Salem	\$290,000	8481.9
R02-1	66	8	591	Future Development	R002	MARIETTA ST SE	STRONG RD SE	3092 MARIETTA ST SE	2015	Salem	\$110,000	8481.9
R02-1	67	8	634	Future Development	R004	300 FT W I-5	BOONE RD SE	KUEBLER BV SE	2015	Salem	\$110,000	8481.9
R02-2	1171	8	2,759	Future Development	R005	AIRWAY DR SE	TURNER RD SE	EAST FORK PRINGLE CR	2015	Salem	\$850,000	8481.9
Startz-1	37	8	250	Future Development	SA18	SERRA CT NE	GREEN TREE DR NE	420 FT W CORDON RD N	2025	Salem	\$50,000	8481.9
Startz-1	229	12	3,467	PS Consolidation & Future Dev	SA10	HOFFMAN RD NE	120 FT N D ST NE	PLATEAU ST NE	2010	Salem	\$1,050,000	8481.9
Startz-1	42	8	1,458	Future Development	SA17	250 FT W CORDON RD N	WHISTLE ST NE	400 FT S SWEGGLE RD N	2025	Salem	\$280,000	8481.9
Startz-1	38	8	992	Future Development	SA11	80 FT E WALKER RD NE	CAPISTRANO CT NE	SERRA CT NE	2025	Salem	\$180,000	8481.9
Startz-1	39	8	846	Future Development	SA16	CAPISTRANO CT NE	WALKER RD NE	CORDON RD NE	2025	Salem	\$150,000	8481.9
Startz-1	41	8	1,015	Future Development	SA13	380 FT W CORDON RD N	SWEGGLE RD NE	220 FT SE FUTURE RD	2025	Salem	\$180,000	8481.9
Startz-1	36	8	653	Future Development	SA19	EAST FORK LITTLE FUD	SERRA CT NE	CORDON RD NE	2025	Salem	\$120,000	8481.9
Startz-1	40	8	982	Future Development	SA15	1850 HOFFMAN RD NE	270 FT NE FUTURE RD	SUNNYVIEW RD NE	2025	Salem	\$180,000	8481.9
Startz-2	137	15	384	SSO & Future Dev	SA03	FISHER RD NE	400 FT N WATSON AV N	WATSON AV NE	2025	Salem	\$120,000	8481.9
Startz-2	140	15	478	SSO & Future Dev	SA05	FISHER RD NE	550 FT N DEVONSHIRE	DEVONSHIRE AV NE	2025	Salem	\$160,000	8481.9
Startz-2	136	15	324	SSO & Future Dev	SA09	FISHER RD NE	WATSON AV NE	350 FT S WATSON AV N	2025	Salem	\$110,000	8481.9
Startz-2	141	15	510	SSO & Future Dev	SA04	FISHER RD NE	SILVERTON RD NE	550 FT N DEVONSHIRE	2025	Salem	\$170,000	8481.9

PJ ID MLID DIA (in) LENGTH PURPOSE (ft) MP ID STREET FROM TO YEAR OWNER EST COST ENR GROWTH %

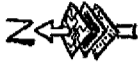
PJ ID	MLID	DIA (in)	LENGTH	PURPOSE	MP ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR GROWTH %
Stortz-2	139	15	45	SSO & Future Dev	SA06	FISHER RD NE	DEVONSHIRE AV NE	DEVONSHIRE AV NE	2025	Salem	\$10,000	8481.9
Stortz-2	138	15	447	SSO & Future Dev	SA07	FISHER RD NE	DEVONSHIRE AV NE	400 FT N WATSON AV N	2025	Salem	\$150,000	8481.9
Stortz-3	35	8	1,834	Future Development	SA20	500 FT W CORDON RD N	200 FT NE JADE PS	HAYESVILLE DR NE	2025	Salem	\$330,000	8481.9
Stortz-3	256	10	1,064	Future Development	SA24	DEVELOPABLE PROPERTY	CORDON RD NE	200 FT NE JADE PUMP	2025	Salem	\$330,000	8481.9
Stortz-3	246	8	3,467	Future Development	SA23	CORDON RD NE	1700 FT NE SILVERTON	950 FT NE WARD DR NE	2025	Salem	\$630,000	8481.9
Stortz-3	247	8	1,024	Future Development	SA22	CORDON RD NE	WEST FORK LITTLE PUD	650 FT NE WARD DR NE	2025	Salem	\$190,000	8481.9
Stortz-3	248	8	1,285	Future Development	SA21	CORDON RD NE	HAYESVILLE DR NE	1400 FT SE HAYESVILL	2025	Salem	\$230,000	8481.9
Stortz-3	257	10	183	Future Development	SA25	CITY OF SALEM PROPER	200 FT NE JADE PUMP	JADE PUMP STATION	2025	Salem	\$60,000	8481.9
System-5	243	72	10,529	SSO & Future Dev	WR11	BROADWAY ST NE	UNION ST NE	N RIVER ROAD WWTF	2015	Salem	\$16,490,000	8481.9
Walnut-1	16	8	1,116	Future Development	WA05	MILDRED LN SE	BALLYMEADE ST SE	SMOKETREE DR SE	2010	Salem	\$300,000	8481.9
Walnut-1	10	8	1,349	Future Development	WA06	2238 DAVIS RD S	650 FT N UGB	DAVIS RD S	2010	Salem	\$240,000	8481.9
Walnut-1	11	8	685	Future Development	WA11	1745 DAVIS RD S	880 FT N UGB	DAVIS RD S	2015	Salem	\$120,000	8481.9
Walnut-1	12	8	646	Future Development	WA03	1655 DAVIS RD S	960 FT N UGB	DAVIS RD S	2016	Salem	\$120,000	8481.9
Walnut-1	13	8	1,378	Future Development	WA01	LIBERTY RD S	RAINIER DR SE	HOLDER LN SE	2025	Salem	\$250,000	8481.9
Walnut-1	15	8	1,355	Future Development	WA07	LONE OAK RD SE	MILDRED LN SE	LA CRESTA DR SE	2025	Salem	\$240,000	8481.9
Walnut-1	80	21	286	SSO	WA09	VALLEYWOOD DR SE	SPRINGWOOD AV SE	615 VALLEYWOOD DR SE	2015	Salem	\$110,000	8481.9
Walnut-1	88	21	258	SSO	WA10	VALLEYWOOD DR SE	PEACHWOOD CT SE	SPRINGWOOD AV SE	2015	Salem	\$100,000	8481.9
Walnut-1	81	21	287	SSO	WA02	VALLEYWOOD DR SE	615 VALLEYWOOD DR SE	635 VALLEYWOOD DR SE	2015	Salem	\$110,000	8481.9
Walnut-1	14	8	1,594	Future Development	WA08	1300 FT E LONE OAK R	LIBERTY RD S	INTEGRA AV SE	2025	Salem	\$290,000	8481.9

Sanitary Sewer Master Plan - Other Projects

PJID	MLID	PROJECT TITLE	NAME	TYPE	PURPOSE	MP ID	LOCATION	BASIN	Q(MGD)	YEAR	OWNER	EST COST	ENR GROWTH %
Battle-1	1000012	Increase PS Capacity, 4-2,700 gpm	Battle Creek	Pump Station	Future Development	BP501	6401 COMMERCIAL ST SE	BATTLE CREEK PUMP STATION	7.16	2015	Salem	\$4,800,000	8481.9
Brush-S	1000014	Increase PS Capacity to 35 mgd /ro	West Salem	Pump Station	Future Development	BC501	2550 WALLACE RD NW	BRUSH COLLEGE	14.6	2015	Salem	\$8,240,000	8481.9
Croisan-3	1000034	Const. PS, 2-1000 gpm pumps	Ilaha	Pump Station	Future Development	CC501	3894 BROWN ISLAND RD S	CROISAN CREEK	1.435	2025	Salem	\$370,000	8481.9
Echemawa-1	1000032	Const. PS, 3-525 gpm pumps	Hazelgreen	Pump Station	Future Development	CH502	CHEMAWA RD NE/PORTLAND RD	EAST CHEMAWA	1.51	2015	Salem	\$710,000	8481.9
Echemawa-1	1000033	Const. PS,	Lockhaven	Pump Station	Future Development	CH503	3155 CHEMAWA RD NE	EAST CHEMAWA	0.775	2025	Salem	\$350,000	8481.9
Eola-1	1000002	Const. PS, 3-180 gpm pumps	Eagle's View	Pump Station	Future Development	EC501	500 FT SE ASTER/DOAKS FERRY	EOLA	0.518	2015	Salem	\$240,000	8481.9
Eola-3	1000013	Increase PS Capacity, 2-300 gpm p	Stoneway	Pump Station	Future Development	EC502	110 STONEWAY DR NW	EOLA	0.132	2015	Salem	\$200,000	8481.9
Market-2	1000003	Increase PS Capacity, 4-3,300 gpm	Condon	Pump Station	PS Consolidate/Future Dev	MS501	5055 MACLEAY RD SE	MARKET ST	8.538	2025	Salem	\$5,390,000	8481.9
Market-3	1000031	Const. PS for Industrial Developme	Future Industrial	Pump Station	Future Development	MS506	4660 ALBURN RD NE	MARKET ST	1.404	2025	Salem	\$650,000	8481.9
Stortz-3	1000036	Reconst PS, Approx 10 ft too shallow to	Jada	Pump Station	Future Development	SA501	4600 JADE ST NE	STORTZ AV	0	2025	Salem	\$280,000	8481.9
System-1	1000047	Primary Clarifiers Reconstruct - 2 (S	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW507	5915 WINDSOR ISLAND RD N	ALL BASINS	0	2016	Salem	\$17,576,000	8263.3
System-1	1000061	Order Control at Sewer Treatment Pl	Willow Lake WPCF	Treatment Facility	Sys Optim & Future Dev	NW516	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2015	Salem	\$8,138,000	8263.3
System-1	1000052	South Primary Effluent Pump Statio	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW515	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2010	Salem	\$5,240,000	8263.3
System-1	1000051	Thickling Filter Pump Str/Trickling Fil	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW512	5915 WINDSOR ISLAND RD N	ALL BASINS	20.45	2012	Salem	\$40,078,000	8263.3
System-1	1000050	Heatworks, Phase 1; Willow Lake	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW501	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2008	Salem	\$104,416,000	8263.3
System-1	1000059	WPCF, Phase 2; Facilities Plan Upd	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW514	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2011	Salem	\$500,000	8263.3
System-1	1000048	Wet Weather Primary Clarifiers - 2	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW508	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2012	Salem	\$15,314,832	8263.3
System-1	1000050	Wet Weather Secondary Clarifiers -	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW511	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2012	Salem	\$17,576,000	8263.3
System-1	1000041	Heatworks Improvement Phase 2;	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW502	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2012	Salem	\$9,399,200	8263.3
System-1	1000042	Aeration Basin Equip/Secondary Cl	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW503	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2015	Salem	\$50,944,000	8263.3
System-1	1000043	Biosolids Improvements - Digester	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW503	5915 WINDSOR ISLAND RD N	ALL BASINS	19.7	2011	Salem	\$22,464,000	8263.3
System-1	1000044	Distrection and W3 Improvements	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW504	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2011	Salem	\$19,624,000	8263.3
System-1	1000045	Biosolids Imp. - Solids Thickening/D	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW505	5915 WINDSOR ISLAND RD N	ALL BASINS	18.7	2012	Salem	\$16,224,000	8263.3
System-1	1000046	Gravily Thickners Improvements	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW506	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2012	Salem	\$3,224,000	8263.3
System-1	1000049	Primary Clarifiers Reconstruct - 2 (N	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW510	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2014	Salem	\$15,952,000	8263.3
System-2	1000016	Upgrade & Change Control at Diver	North River Rd Diversion	Diversion	Sys Optimization	WE501	3046 RIVER RD N	WEST CENTRAL	40	2015	Salem	\$170,000	8481.9
System-2	1000063	River Rd Wet Weather Treatment F	North River Rd PEPTF	Treatment Facility	SSO & Future Dev	WE503	3046 RIVER RD N	WEST CENTRAL	40	2025	Salem	\$20,176,000	8263.3

PJ ID	ML ID	PROJECT TITLE	NAME	TYPE	PURPOSE	MP ID	LOCATION	BASIN	Q(MGD)	YEAR	OWNER	EST COST	ENR GROWTH %
System-2	1000017	River Rd Wet Weather Treatment F	North River Rd PEFTF	Treatment Facility	SSO & Future Dev	WES02	3645 RIVER RD N	WEST CENTRAL	50	2007	Salem	\$10,182,000	8263.3
System-2	1000052	River Rd Wet Weather Treatment F	North River Rd PEFTF	Treatment Facility	SSO & Future Dev	WES04	3645 RIVER RD N	WEST CENTRAL	60	2015	Salem	\$33,280,000	8263.3
System-3	1000025	SCADA Monitoring	Site 19	Monitor	Sys Optimization	PCS03	2476 PRINGLE RD SE	PRINGLE CREEK	0	2010	Salem	\$60,000	8481.9
System-3	1000001	Change Control at Diversion & SCA	Diversion #3 (Pringle Ck)	Diversion	Sys Optimization	PCS02	2410 STRONG RD SE	PRINGLE CREEK	0	2010	Salem	\$90,000	8481.9
System-3	1000018	SCADA Monitoring	Chaggett Creek Overflow	Overflow	Sys Optimization	CKS03	5450 RIVER RD N	CENTRAL KEIZER	20	2010	Salem	\$90,000	8481.9
System-3	1000021	SCADA Monitoring	Pringle Creek/Church St	Overflow	Sys Optimization	BVS01	525 CHURCH ST SE	BELLEVUE	0	2010	Salem	\$90,000	8481.9
System-3	1000022	SCADA Monitoring	E Salem Inter. Monitor	Monitor	Sys Optimization	UCS01	1915 HYACINTH ST NE	UPPER CLAGGET	0	2010	Salem	\$90,000	8481.9
System-3	1000028	SCADA & Remote Control	Downtown Int. Diversion	Diversion	Sys Optim & Future Dev	EF01	CHURCH ST SE/FERRY ST SE	EAST FERRY	40	2010	Salem	\$170,000	8481.8
System-3	1000024	SCADA Monitoring	Site 5A	Monitor	Sys Optimization	NTS01	3950 INDUSTRIAL WY NE	NORTH TRUNK	0	2010	Salem	\$90,000	8481.9
System-3	1000026	SCADA Monitoring	Site 217	Monitor	Sys Optimization	CL401	2413 12TH ST SE	CLARK CREEK	0	2010	Salem	\$90,000	8481.9
System-3	1000027	SCADA Monitoring	Site 4	Monitor	Sys Optimization	WES05	3096 RIVER RD N	WEST CENTRAL	0	2010	Salem	\$90,000	8481.9
System-3	1000000	Change Control at Diversion & SCA	Diversion #2 (Pringle Ck)	Diversion	Sys Optimization	PCS01	3850 PRINGLE RD SE	PRINGLE CREEK	0	2010	Salem	\$90,000	8481.9
System-3	1000023	SCADA & Remote Control	Diversion #4 (Airport)	Diversion	Sys Optimization	FV501	3882 FAIRVIEW RD DR SE	FAIRVIEW	24	2010	Salem	\$90,000	8481.9
System-4	1000018	Upgrade & Change Control at Diver	Union/Church Diversion	Diversion	Sys Optimization	WRS02	UNION ST NE /CHURCH ST NE	WEST MARION	40	2015	Salem	\$260,000	8451.9

CITY OF SALEM
SEWER SYSTEM MASTER PLAN
 Jan 2007



1 inch equals 4,000 feet

Legend

Existing Pump Stations

TYPE

- Future Diversion
- Future Monitor
- Future Overflow
- Future Pump Station
- Future Treatment Facility

Future Pipes

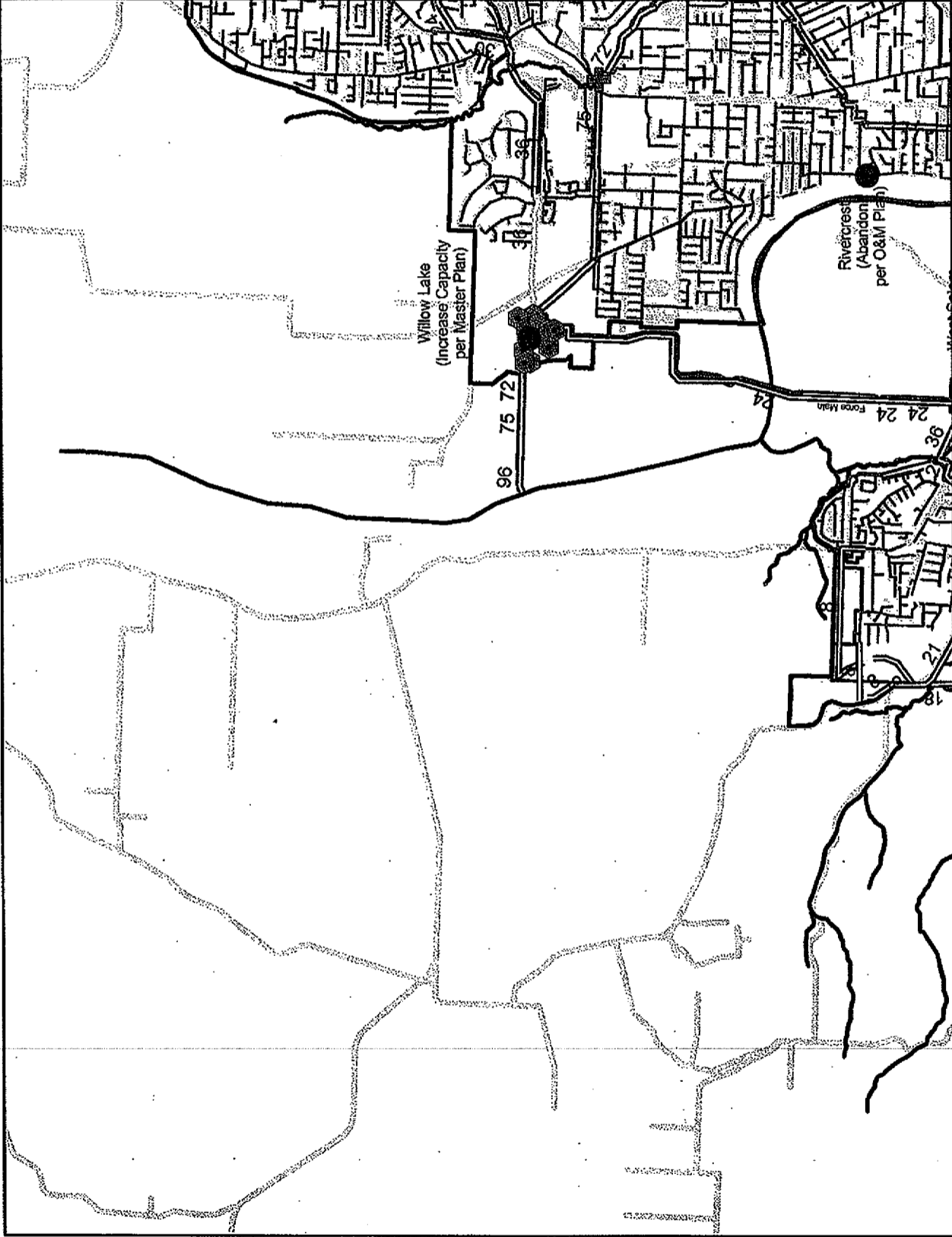
Owner

- Kelzer
- Salem

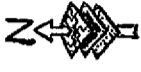
Sewer Mains

SIZE

- Less than 24"
- 24" and larger
- city/m
- Ugb



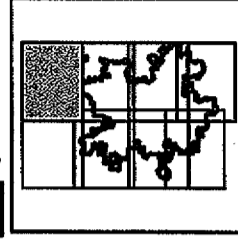
CITY OF SALEM
SEWER SYSTEM MASTER PLAN
 Jan 2007



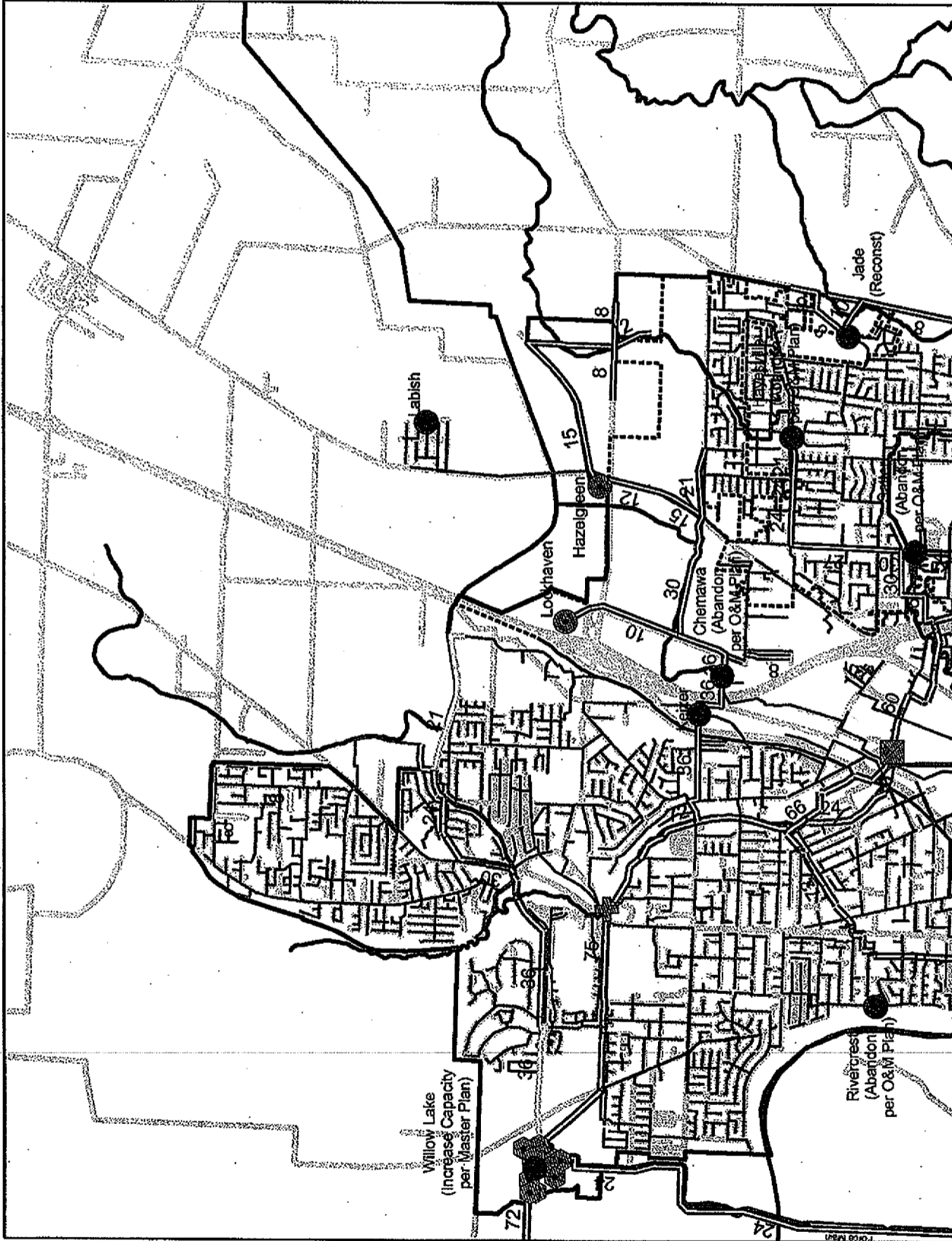
1 inch equals 4,000 feet

Legend

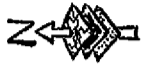
- Existing Pump Stations
- TYPE**
- ▲ Future Diversion
- ▣ Future Monitor
- ⊕ Future Overflow
- Future Pump Station
- Future Treatment Facility
- Future Pipes**
- Owner
- Keizer
- Salem
- Sewer Mains**
- SIZE**
- Less than 24"
- 24" and larger
- city/m
- Ugb



Sheet 2



CITY OF SALEM
SEWER SYSTEM MASTER PLAN
 Jan 2007



1 inch equals 4,000 feet

Legend

Existing Pump Stations

TYPE

- Future Diversion
- Future Monitor
- Future Overflow
- Future Pump Station
- Future Treatment Facility

Future Pipes

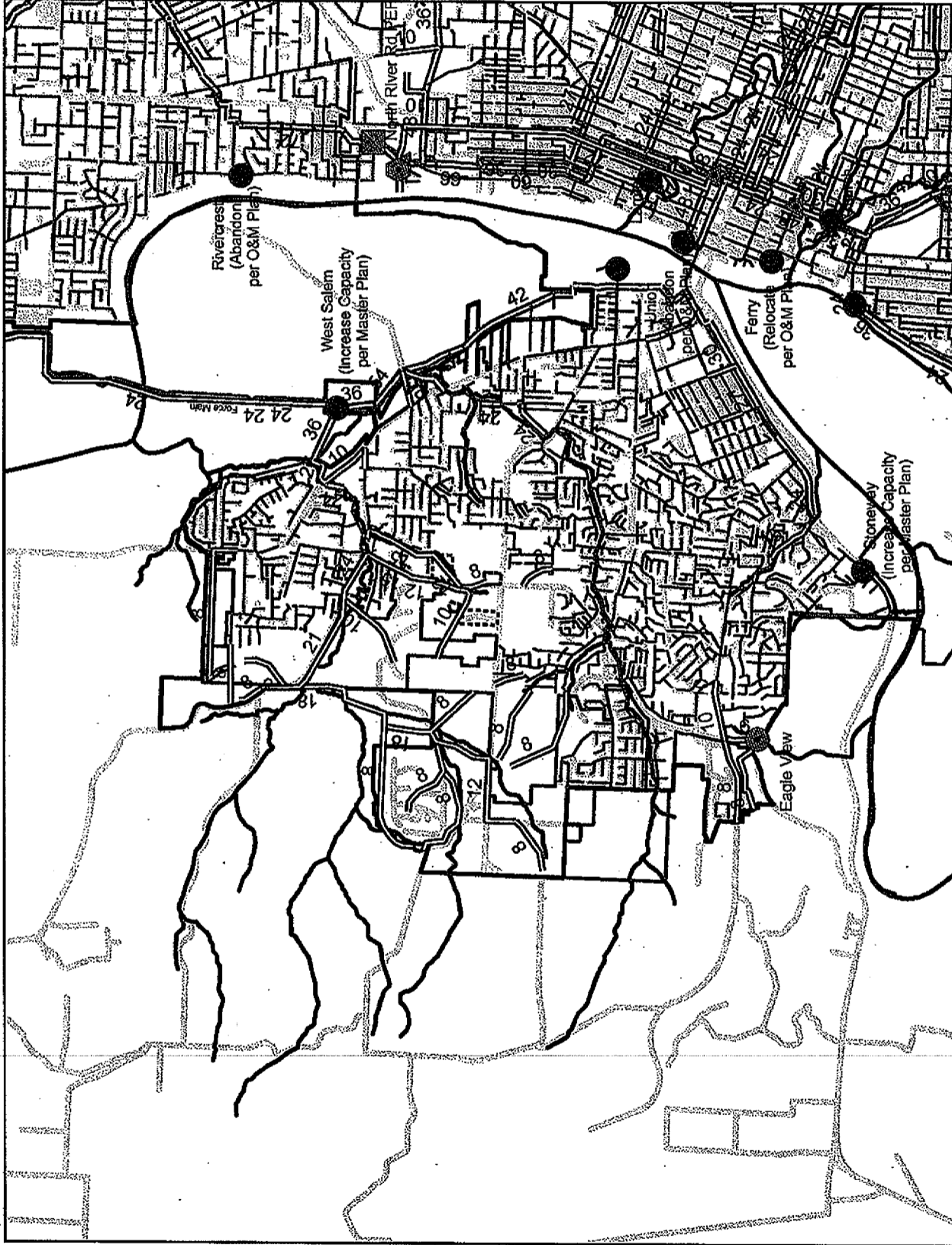
Owner

- Keizer
- Salem

Sewer Mains

SIZE

- Less than 24"
- 24" and larger
- city/m
- Ugb



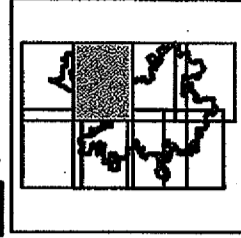
CITY OF SALEM SEWER SYSTEM MASTER PLAN

Jan 2007



1 inch equals 4,000 feet

- Legend**
- Existing Pump Stations
 - ▲ Future Pump Stations
 - ▣ Future Diversion
 - ▤ Future Monitor
 - ⊕ Future Overflow
 - ⊙ Future Pump Station
 - ⊚ Future Treatment Facility
- TYPE**
- Future Pipes
 - Owner
 - Keizer
 - Salem
- Sewer Mains**
- SIZE**
- Less than 24"
 - 24" and larger
 - ⋯ city
 - Ugp



Sheet 4

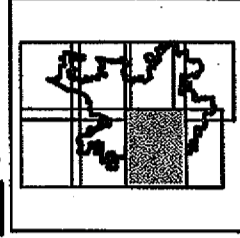


CITY OF SALEM
SEWER SYSTEM MASTER PLAN
 Jan 2007

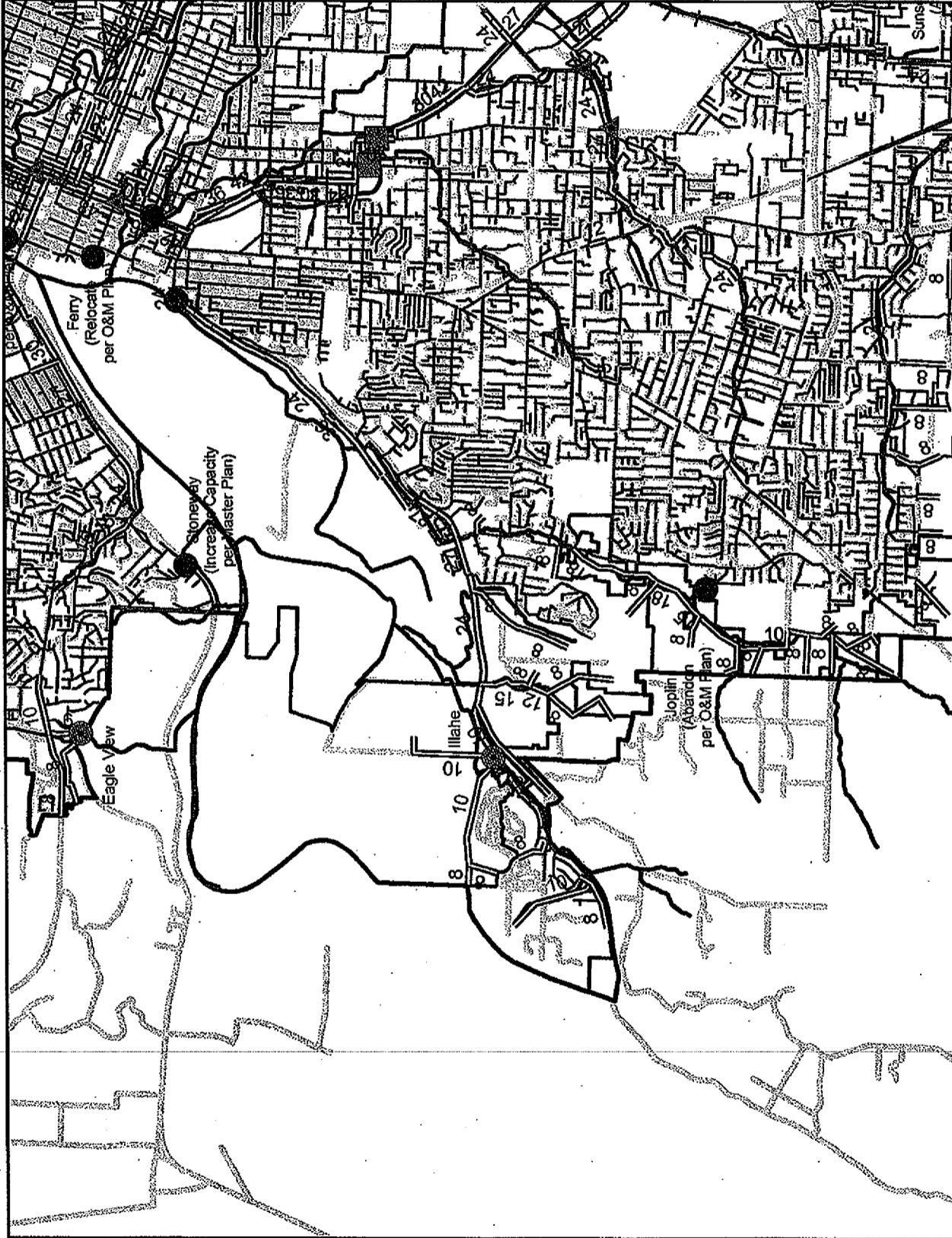


1 inch equals 4,000 feet

- Legend**
- Existing Pump Stations
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 - ▲ Future Diversion
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 - Future Pipes**
 - Owner**
 - Keizer
 - Salem
 - Sewer Mains**
 - SIZE**
 - Less than 24"
 - 24" and larger
 - chylm
 - Ugb



Sheet 5



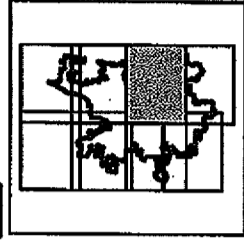
CITY OF SALEM SEWER SYSTEM MASTER PLAN

Jan 2007

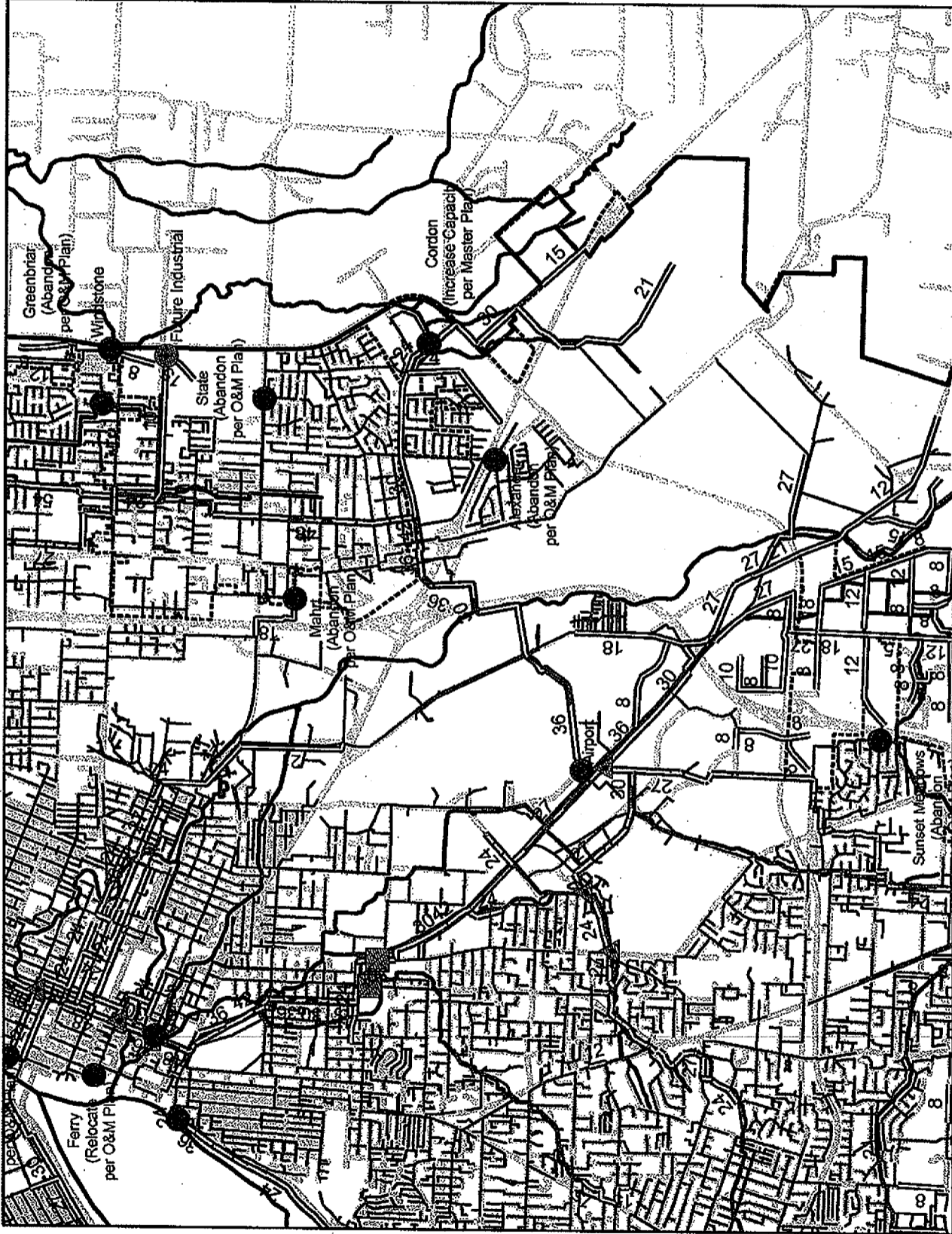


1 inch equals 4,000 feet

- Legend**
- Existing Pump Stations
 - ▲ Future Diversion
 - Future Monitor
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 - Future Pipes
 - Owner
 - Keizer
 - Salem
 - Sewer Mains
 - SIZE
 - Less than 24"
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 - city/jm
 - Ugo



Sheet 6



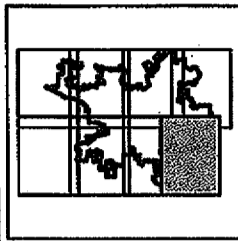
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SEWER SYSTEM MASTER PLAN
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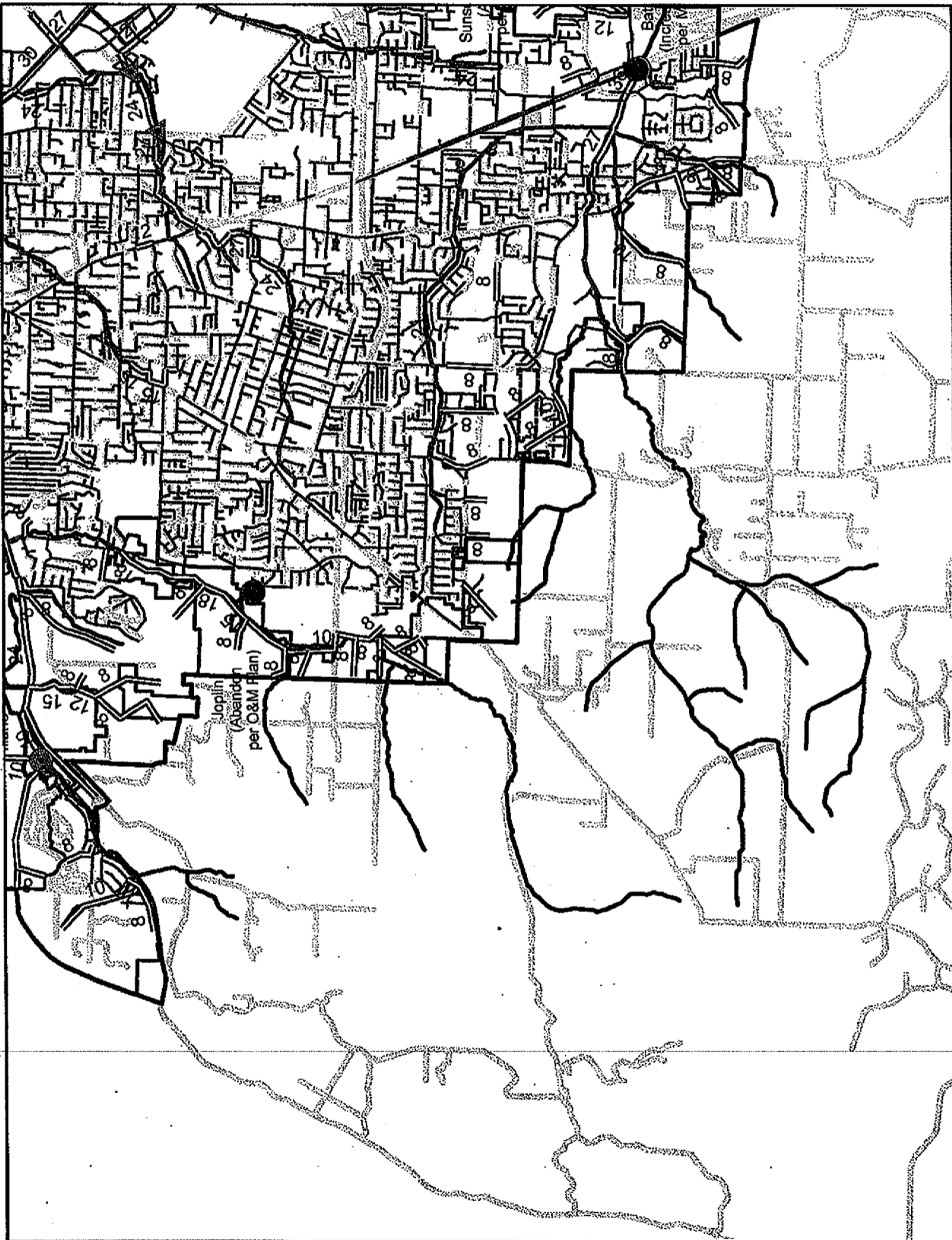
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Legend

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- ⋯⋯⋯ Ugb



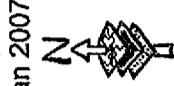
Sheet 7



CITY OF SALEM

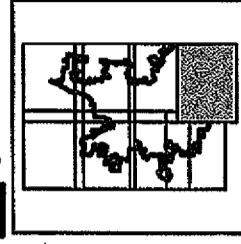
SEWER SYSTEM MASTER PLAN

Jan 2007

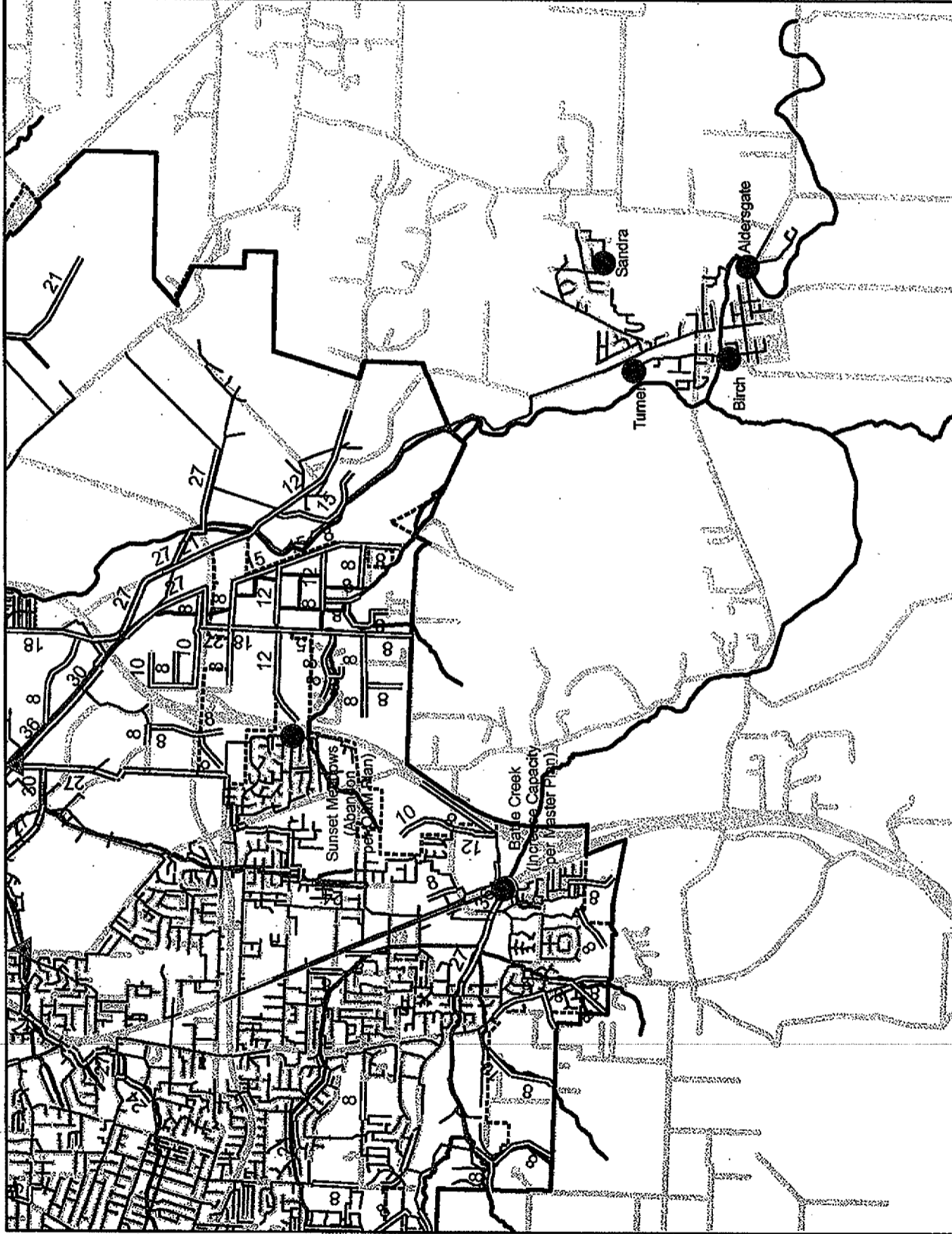


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 - Future Pump Station
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Sheet 8



**AMENDMENT OF
THE SALEM WASTEWATER MANAGEMENT MASTER PLAN
January 2007**

Under Salem Revised Code (SRC) Chapter 64, a utility master plan is defined as a "Detailed Plan" that is incorporated by reference into the City's Comprehensive Plan. As such, the Master Plan includes the list of specific projects necessary to meet the City's current and future utility needs for the planning period, typically the Urban Growth Boundary (UGB) under build-out conditions. These project lists, and their accompanying brief descriptions and location maps, are then used by City staff in the Capital Improvement Program (CIP) process, specific project design and construction, guiding development activities, and the development of long-range utility financial plans.

History and Background

The *1996 Salem Wastewater Management Master Plan* (adopted by the Salem City Council on December 16, 1996) outlined the requirements for providing wastewater service for existing and future customers for a 20-year period. The 1996 Master Plan principally focused on two primary issues: how to deal with wet weather flows, and how to treat wastewater loads. In addressing these two issues, the 1996 Master Plan identified specific capital improvements for collection, conveyance, and treatment of the community's wastewater.

The Master Plan also addressed wet weather flows and compliance with the deadlines set forth in the 1996 Mutual Agreement and Order (MAO) between the City of Salem and the Oregon Department of Environmental Quality (DEQ). The MAO required completion of collection system improvements to eliminate 5-year winter storm sanitary sewer overflows (SSOs) to tributary streams by January 1, 2000, newly discovered SSOs to tributary streams by January 1, 2005, and elimination of 5-year storm-generated SSOs to the Willamette River by December 31, 2009. The City has met the 2000 and 2005 MAO deadlines and is diligently working toward the 2009 compliance date.

Subsequent to adoption of the 1996 Master Plan, advances in wastewater treatment technology and clarification of the United States Environmental Protection Agency (EPA) guidance on handling wet weather wastewater flows and SSOs prompted the City to reevaluate the conveyance and treatment recommendations set forth by the 1996 Master Plan. As a result, on September 23, 2002, the City Council adopted the Willow Lake Wastewater Treatment Plant Facilities Plan as an amendment to the 1996 Master Plan. The Facilities Plan replaced some elements of the 1996 Master Plan, while leaving other elements in place. The fundamental policies and goals of the 1996 Master Plan remained intact, while some specific implementation concepts and schedules were changed to reflect prevailing wastewater flows and loads and the current regulatory scene. Changes to the 1996 Master Plan made by the Facilities Plan, and the elements that remained unchanged were as follows:

<u>Replaced</u>	<u>Not Replaced</u>
Wet Weather Treatment Plans	Policies
Food Processing Wastewater Treatment Plan	Collection System Improvement Plans
Wastewater Flow and Load Projections	Pump Station Improvement Plans
Interceptor Improvement Plan	

Since the 2002 Facilities Plan was adopted, staff has continued refining the recommended capital improvements such that the tabular summaries identifying the specific capital improvements and their estimated costs, plus the associated maps, have warranted updating. This effort resulted in a reevaluation of some of the capital improvement projects identified by the 1996 Master Plan and 2002 Facilities Plan. In addition, many of the other capital improvements identified by the previous Plans have been constructed. These implementation efforts, often done in conjunction with proposed new development or redevelopment projects, have similarly resulted in a significant refinement or modification of the collection system improvement plans identified by the 1996 Master Plan. These ongoing activities resulted in the most recent Master Plan Amendment (adopted by City Council February 7, 2005).

New Process

Since the 2005 Amendment, staff has continued to work on the recommended capital improvements, reflecting the significant capital improvement projects that have been completed or are now under construction, particularly at the Willow Lake Water Pollution Control Facility.

Staff has reviewed historical practices and consolidated all of the City infrastructure needs into one single project-needs list. Historically Public Works has maintained three distinct project lists: one within the utility infrastructure Master Plan, one within the CIP for funded and unfunded projects, and a third at the Operations Services Division for traditional operations and maintenance (O & M) projects, often referred to as rehabilitation and replacement (R & R) projects. None of the project lists, in and of themselves, provided a comprehensive picture of the total system infrastructure needs of the City. This review process, in conjunction with development of this Master Plan Amendment, has resulted in a single project-needs list for the entire wastewater system for service to the City's current Urban Growth Boundary (UGB) under build-out conditions, encompassing collection, interceptors, pump stations, and treatment and disposal, irrespective of their potential sources of funding.

Project Lists and Maps

Table 1 summarizes the Master Plan wastewater infrastructure-needs that have been identified to serve the current UGB. Master Plan projects are generally capacity-increasing. Capacity increases may be necessary to accommodate future growth, solve an existing capacity deficiency to meet current needs, and/or be needed to meet a regulatory-driven requirement (such as SSO elimination or prevention). The detailed Master Plan project list and associated location maps are provided as Appendix A. The projects with an identified growth component will serve as the initial basis for updating the wastewater System Development Charge methodology - specifically the improvement component (SDCi) of that SDC.

The estimated project costs have been updated from the 1996 Master Plan, the 2002 Facilities Plan, and the 2005 Master Plan Amendment to reflect inflation within the construction industry since those respective documents were adopted. The cost estimates

TABLE 1
WASTEWATER MASTER PLAN AMENDMENT PROJECT SUMMARY
 Cost Basis of March 2006, ENR 3-City Index = 843.09
 JANUARY 2007

PROJECT TYPE	PROJECT PURPOSE	2006-2010	2011-2025	2016-2025	>2025	TOTAL
WASTEWATER MASTER PLAN PROJECTS						
Plan Projects						
	SSO/Facility SSO	\$168,000	\$2,187,000	\$485,000	\$2,806,000	
	Possible SSO & Future Development	\$19,697,000	\$18,184,000	\$707,000	\$19,891,000	
	Future Development		\$22,922,000	\$18,416,000	\$3,948,000	
	Sewer Rehab & Future Development		\$2,205,000	\$302,000	\$3,851,000	
	Capacity Issues/Future Development		\$1,200,000	\$2,668,000	\$4,188,000	
	P.S. Elimination	\$1,047,000	\$4,544,000		\$4,544,000	
	P.S. Consolidation/Future Development		\$760,000	\$2,777,000	\$3,224,000	
	P.S. Elimination & Future Development		\$481,000	\$4,911,000	\$5,691,000	
	Sewer Existing Dev/Future Development		\$481,000	\$610,000	\$1,094,000	
	System Optimization	\$581,000	\$1,751,000		\$1,131,000	
	Inadequate Design/Future Development	\$21,467,000	\$54,204,000	\$31,107,000	\$7,808,000	\$114,161,000
	Subtotal of Master Plan Plan Projects					
	Treatment & Other Projects					
	Construct Pump Stations		\$955,000	\$1,324,000	\$2,685,000	
	Increase P.S. Capacity		\$44,341,000	\$5,985,000	\$20,326,000	
	Reconstruct Pump Stations			\$277,000	\$277,000	
	N. River Road West Wastewater Treatment Facility	\$10,463,000	\$34,184,000	\$20,712,000	\$95,399,000	
	SCADA & Diversion Controls	\$995,000	\$431,000		\$1,427,000	
	Willow Lake WPCF Improvements	\$113,597,000	\$223,176,000	\$18,049,000	\$354,818,000	
	Willow Lake WPCF Improvements		\$6,239,000		\$6,239,000	
	Developer Pace-Ohio Refurbishment	\$1,170,000	\$760,000		\$1,950,000	
	Revenue Bond Issuance/Management	\$3,697,000	\$72,000		\$3,659,000	
	Subtotal of Master Plan Treatment & Other Projects	\$128,818,000	\$289,219,000	\$18,341,000	\$369,000	\$458,731,000
	TOTAL MASTER PLAN PROJECTS	\$151,284,008	\$534,422,000	\$77,489,000	\$7,608,000	\$571,163,000

reflect those set forth in the CIP for FY 2008/2009 - FY 2011/2012, and correspond to the Engineering News Record (ENR) Construction Cost Index 3-City Average for Los Angeles, San Francisco and Seattle in March 2006 of 8481.89.

Pipe sizes identified for the individual projects reflect the required minimum pipe size at the minimum acceptable slope (per City of Salem Public Works Design Standards) to convey the projected design flows under Comprehensive Plan build-out conditions. Pipe sizes will be evaluated and refined as necessary by each project's design engineer during the conceptual and detailed final design for each project. The ultimately selected pipe size may be smaller than that shown if prevailing site conditions (i.e., slopes) allow such a modification as ultimately determined by the design engineer to the satisfaction of the Public Works Director.

In addition to these Master Plan-associated projects, there are additional O & M-focused needs within the wastewater infrastructure system that typically do not have a capacity-increasing component associated with them. These projects are typically needed to resolve an existing capacity deficiency within an already built-out area, or to address an identified infrastructure structural or condition deficiency. The detailed O & M project list and associated location maps are provided for information as Appendix B. Table 2 summarizes the O & M project needs throughout the system. Table 3 summarizes the projected total wastewater infrastructure needs (Master Plan plus O & M) to meet the community's existing and future needs for the 20+ year planning period.

Corollary "Next Step" Activities

The projects identified in this Master Plan Amendment (Table 1 and Appendix A) represent the anticipated wastewater infrastructure needs to serve the City's current Urban Growth Boundary (UGB) under build-out conditions. The listing of specific projects, including their projected time frame for construction, does not automatically mean they will indeed be constructed. This Master Plan Amendment identifies the "planable" infrastructure-needs, reflecting current and anticipated regulatory requirements, known existing infrastructure capacity constraints and physical condition concerns, and anticipated community growth patterns and expectations. The needs set forth herein become key inputs to several other concurrent and often ongoing City analyses, including updating the Wastewater SDC methodology, Cost of Service Analysis (COSA) and resulting rate adjustments, and utility financial feasibility analyses and development of long-range utility financial plans. The various project packages and associated implementation schedules set forth by this Master Plan Amendment will be periodically adjusted and adaptively managed through the CIP and financial planning processes, consistent with prudent stewardship of the City's infrastructure investment and financial capabilities.

Table 2
Wastewater Infrastructure Operations & Maintenance (O & M) Projects
Cost Base of March 2006, ENR 3-City Index = 8481.83
January 2007

PROJECT TYPE	PROJECT PURPOSE	2006-2010	2011-2025	2016-2025	2025	TOTAL
WASTEWATER OPERATIONS & MAINTENANCE (O&M) PROJECTS						
Collection System Projects						
Rehabilitation and Replacement (RRR)		\$5,270,000	\$3,347,000	\$1,478,000	\$39,985,000	\$49,080,000
System Optimization		\$289,000	\$289,000	\$31,000	\$31,000	\$639,000
Sewer Rehabilitation		\$238,000	\$175,000	\$1,422,000	\$1,422,000	\$1,422,000
Pump Station Consolidation		\$310,000	\$1,181,000	\$1,985,000	\$418,000	\$3,904,000
Pump Station Elimination		\$982,000	\$855,000			\$1,837,000
Pump Station Relocation		\$8,850,000	\$5,321,500	\$9,468,000	\$39,288,000	\$62,927,500
Pump Station Consolidation/Elimination & Future Development						
Subtotal of Collection System O&M Projects						
Other Projects						
Pump Station Rehabilitation		\$164,000	\$462,000	\$1,259,000		\$2,155,000
Vector Dewatering		\$342,000				\$342,000
Replaces Operations Building #2		\$1,896,000				\$1,896,000
Def. Loan Proj. Service Lateral Rehab. Ct. Opportunity Grants, etc.		\$12,319,000	\$1,129,000			\$13,448,000
Subtotal of Other O&M Projects		\$16,721,000	\$1,591,000	\$1,259,000		\$19,571,000
		\$23,258,000	\$5,912,000	\$10,918,000	\$39,288,000	\$89,376,000
	TOTAL O&M PROJECTS					

Table 3
Summary of Total Wastewater Infrastructure Needs
Costs in \$Million, With a Cost Basis of March 2006, ENR 3-City Index = 8481.89
January 2007

	Project Implementation Time Period (1)				TOTAL
	0 - 5 Years	6 - 10 Years	11 - 20 Years	> 20 Years	
2007 Master Plan Amendment (costs based on 3/2006 ENR = 8481.89)					
Pipe Projects	\$21.48	\$64.20	\$81.16	\$7.61	\$114.45
Treatment Projects	\$128.81	\$280.22	\$48.34	\$0.38	\$456.73
Total Identified Master Plan Capital Projects	\$151.29	\$334.42	\$77.50	\$7.97	\$571.18
Operation & Maintenance (O & M) Projects	\$23.24	\$6.91	\$11.00	\$39.38	\$80.53
Total Identified Wastewater System Projects	\$174.53	\$341.33	\$88.50	\$47.35	\$651.71

(1) Projects scheduled beyond the 5-year CIP window (0-5 years) have not had their costs inflated beyond the March 2006 ENR 3-City Index

PLANNING COMMISSION

PLANNING DIVISION
555 LIBERTY ST. SE/ROOM 305
SALEM, OREGON 97301
PHONE: 503-588-6173
FAX: 503-588-6005



ATTACHMENT 2

ISSUE: Salem Waste Water Master Plan Amendments

DATE OF DECISION: August 1, 2006

APPLICANT: City of Salem

PURPOSE OF REQUEST:

To recommend to City Council that the proposed Salem Waste Water Master Plan Amendments be adopted.

ACTION:

The Planning Commission moved to forward the proposed Salem Waste Water Master Plan Amendments to City Council with a recommendation to adopt.

PLANNING COMMISSION VOTE

5 YES 0 NO 2 ABSENT (Lewis, Levin)

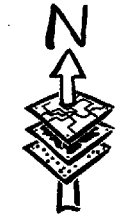
APPENDIX A

**WASTEWATER MANAGEMENT MASTER PLAN
MAPS AND ASSOCIATED LIST OF PROJECTS,
TITLES, DESCRIPTIONS AND ESTIMATED COSTS**

CITY OF SALEM

SEWER SYSTEM MASTER PLAN

Jan 2007



1 inch equals 2,000 feet

Legend

- Existing Pump Stations
- TYPE**
- ▲ Future Diversion
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- Future Treatment Facility

Future Pipes

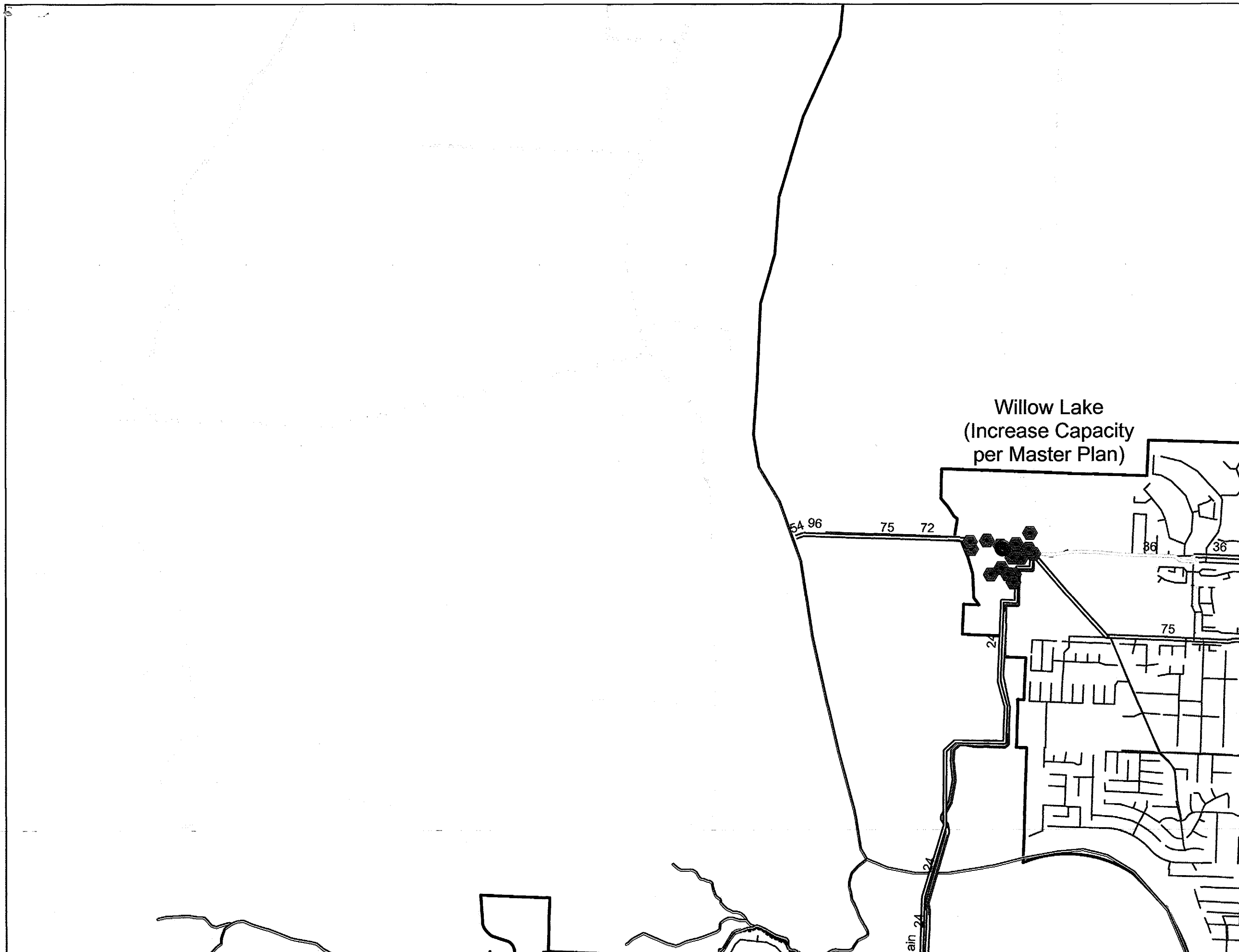
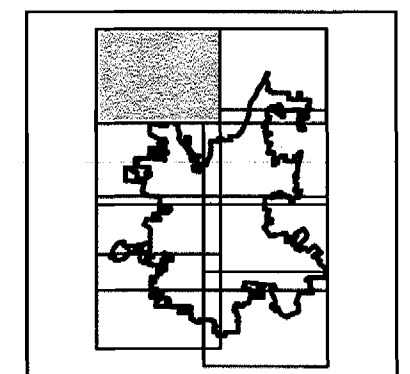
Owner

- Keizer
- == Salem

Sewer Mains

SIZE

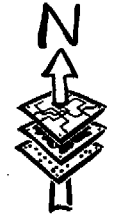
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CITY OF SALEM

SEWER SYSTEM MASTER PLAN

Jan 2007



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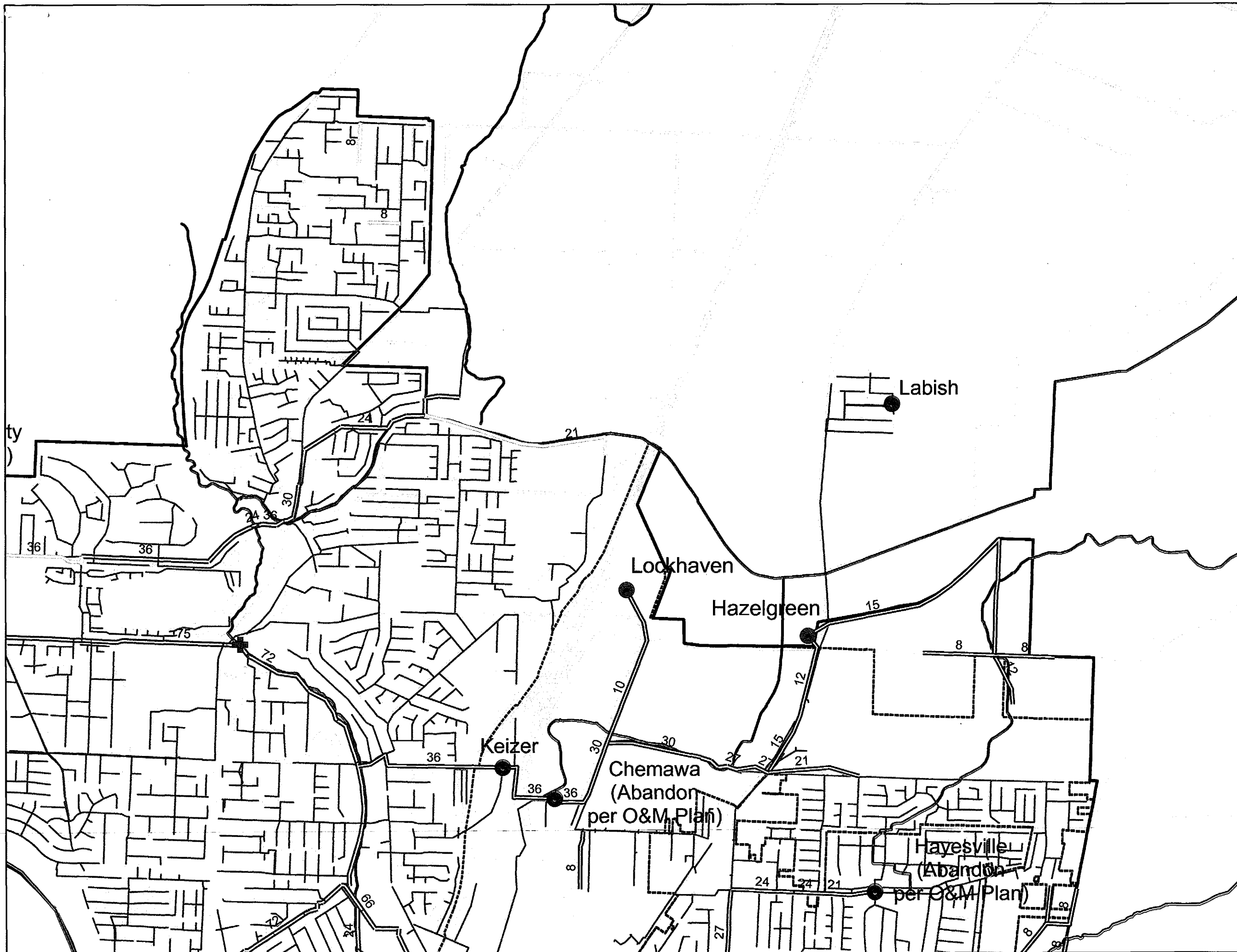
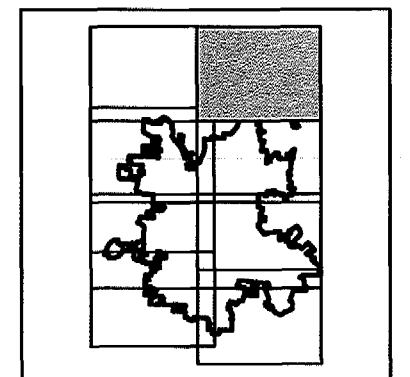
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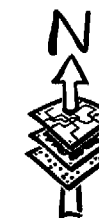
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CITY OF SALEM

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Legend

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TYPE

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■ Future Monitor

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Future Pipes

Owner

— Keizer

— Salem

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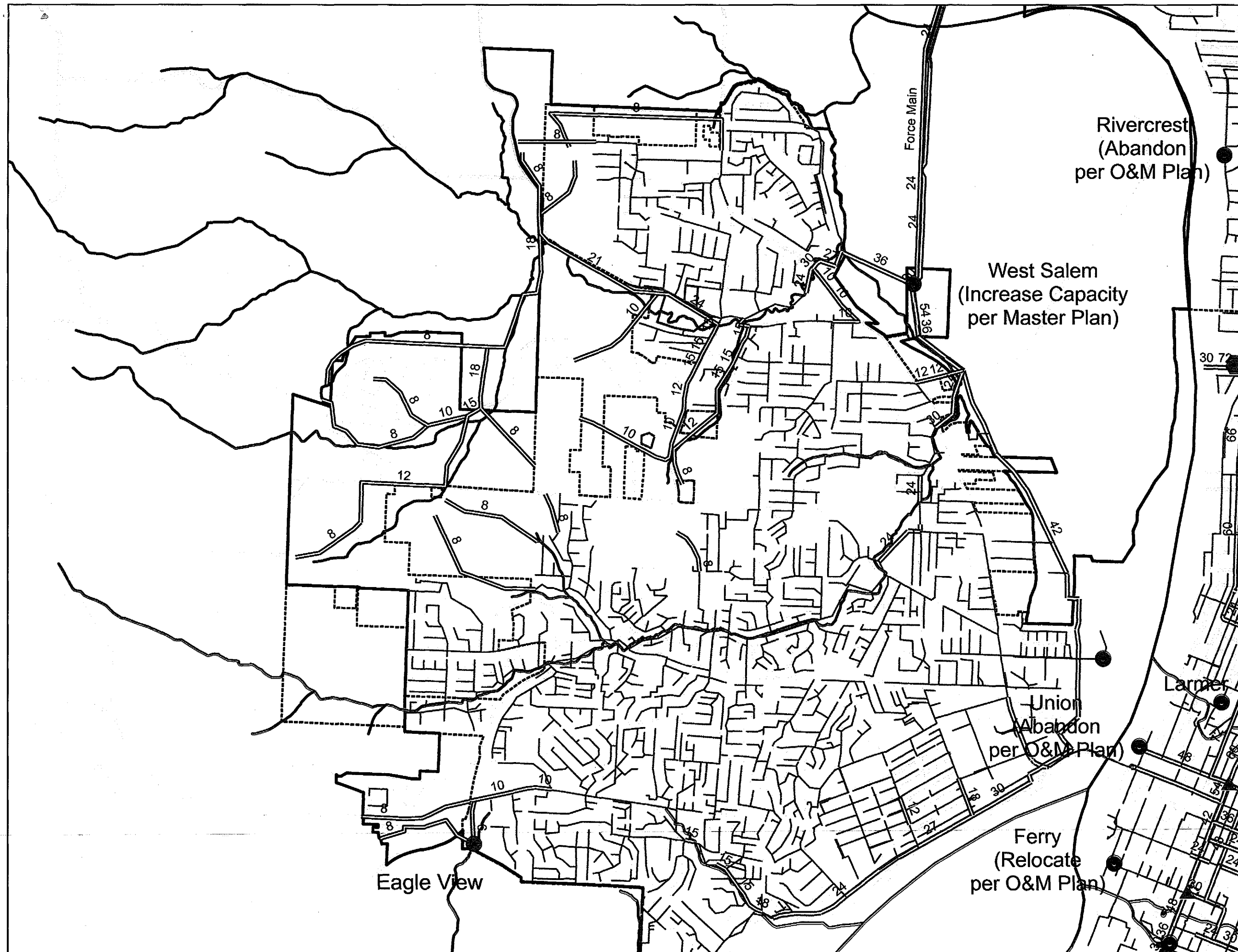
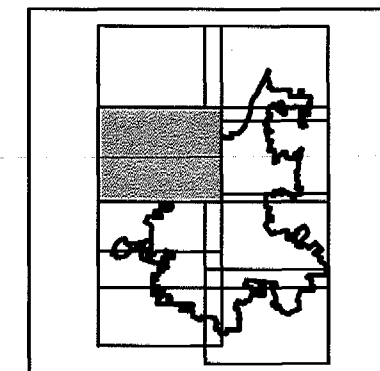
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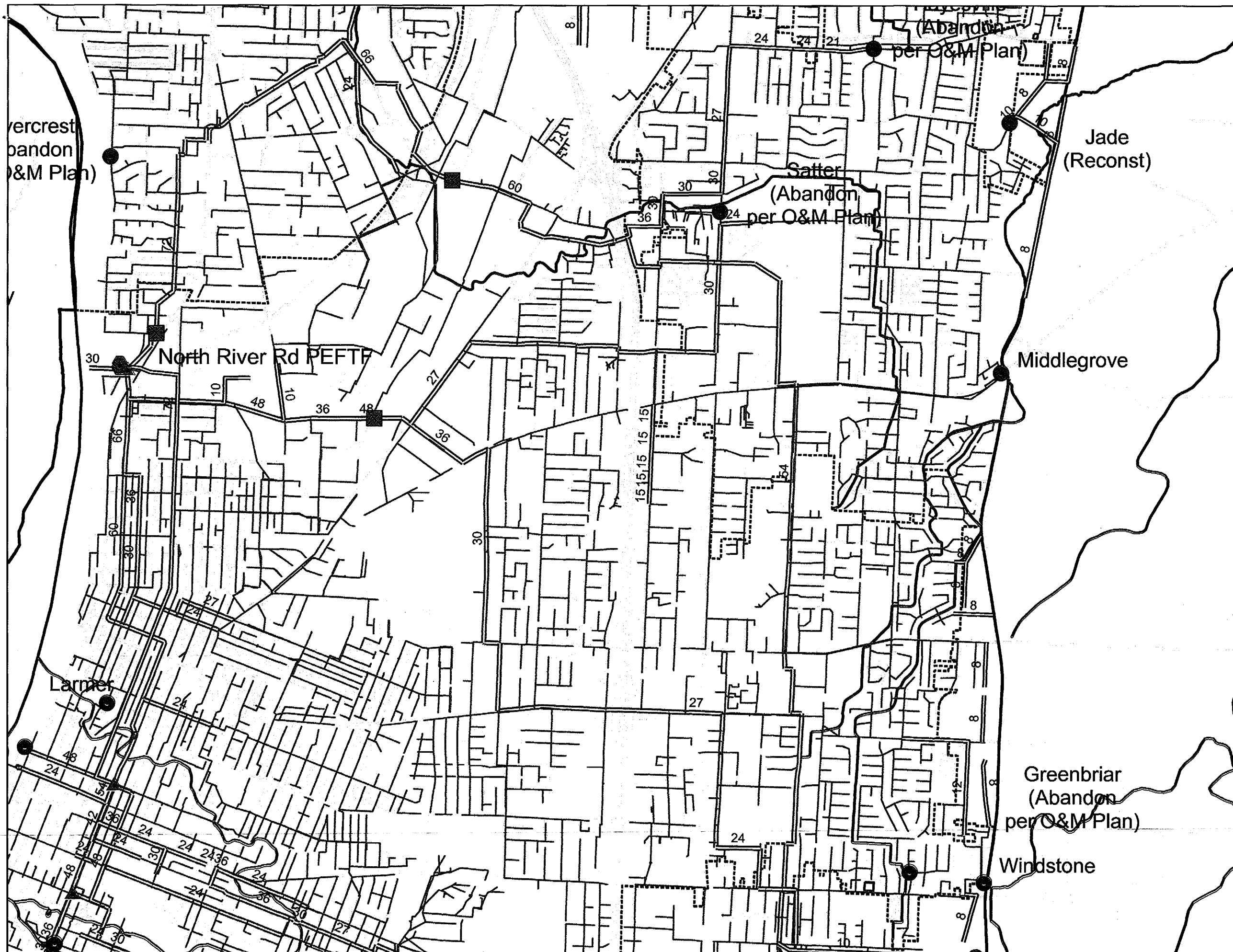
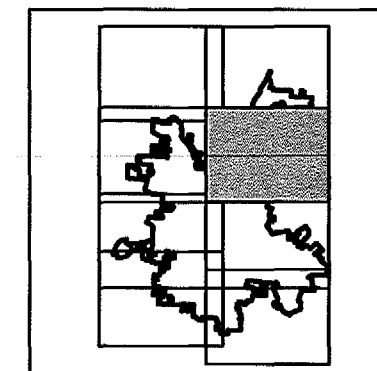
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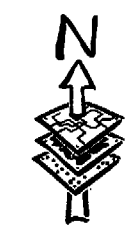
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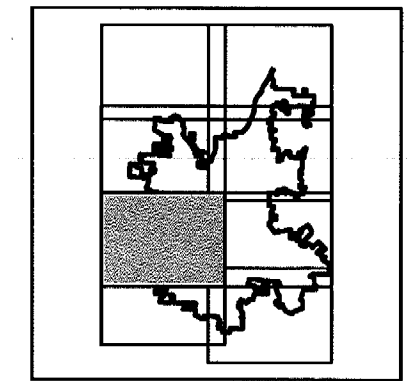
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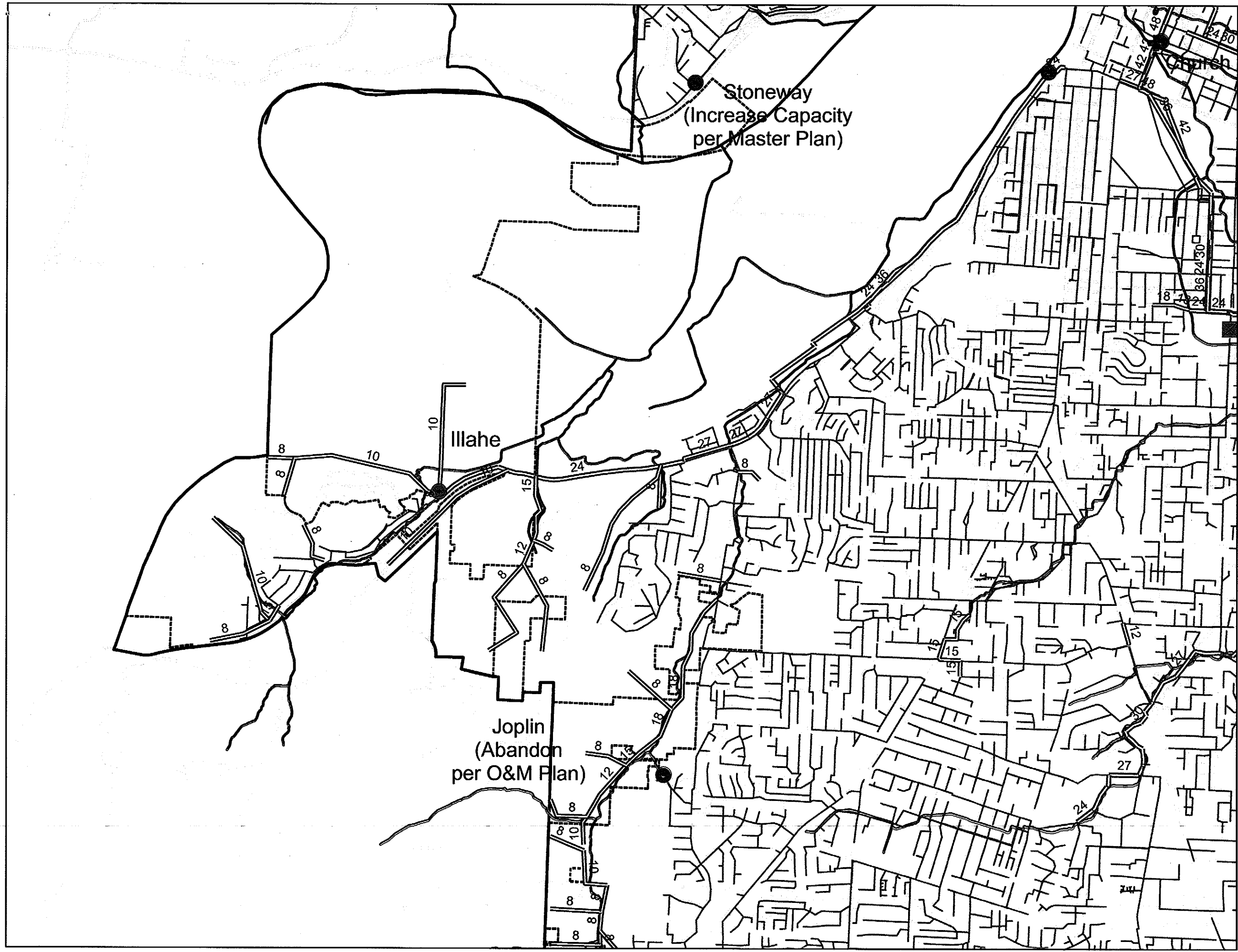
Future Pipes

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 - Salem

- Sewer Mains**
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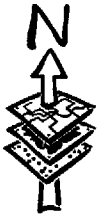
Sheet 5



CITY OF SALEM

SEWER SYSTEM MASTER PLAN

Jan 2007



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- Future Treatment Facility

Future Pipes

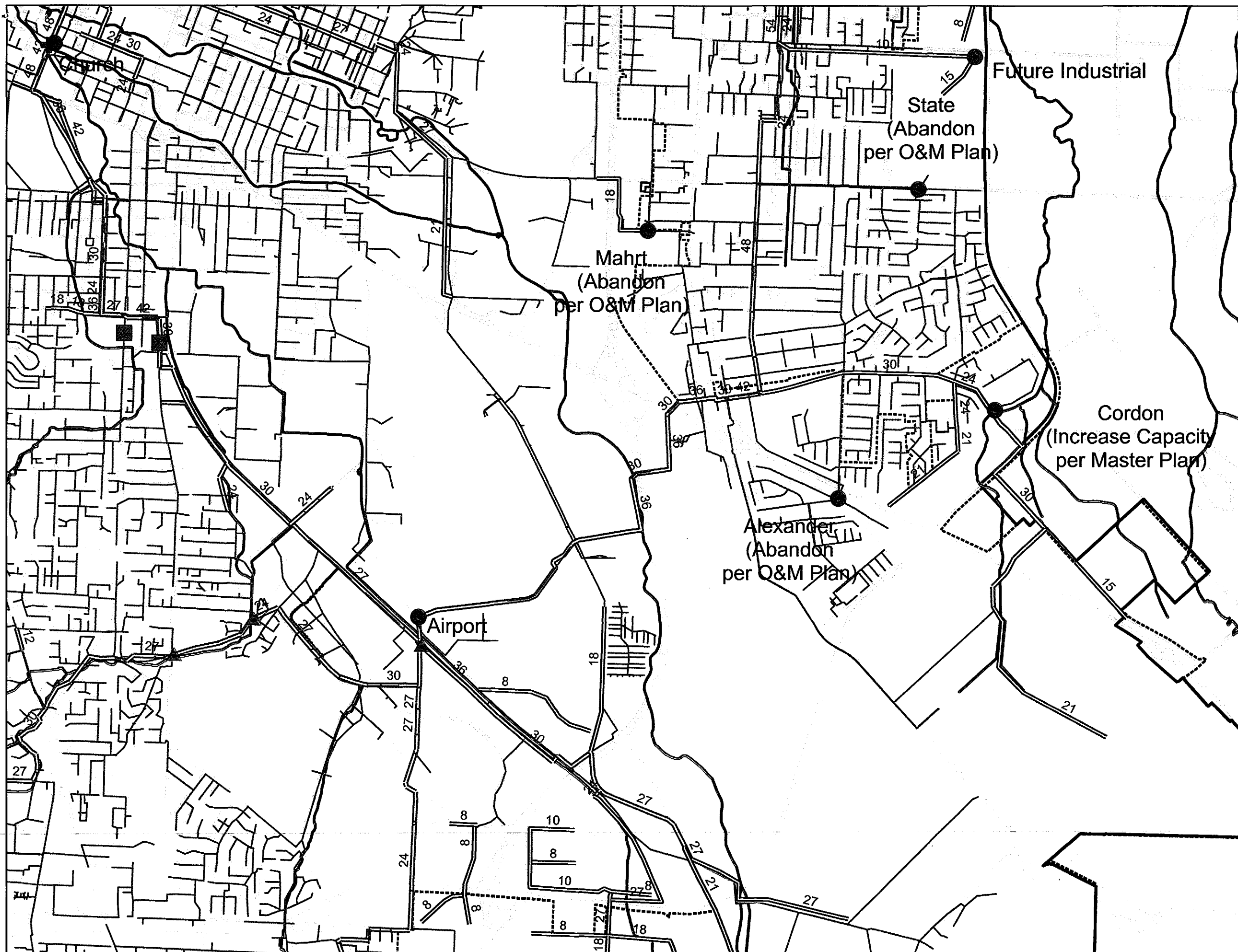
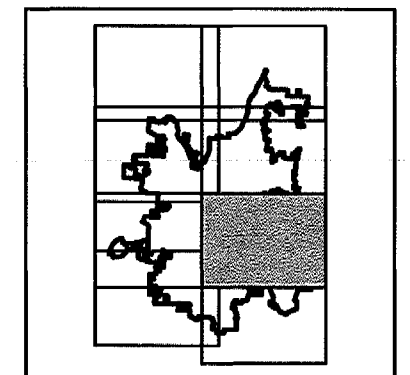
Owner

- Keizer
- Salem

Sewer Mains

SIZE

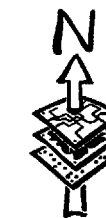
- Less than 24"
- 24" and larger
- ⋯ citylim
- ▭ Ugb



CITY OF SALEM

SEWER SYSTEM MASTER PLAN

Jan 2007



1 inch equals 2,000 feet

Legend

- Existing Pump Stations
- ▲ Future Diversion
- Future Monitor
- ⊕ Future Overflow
- Future Pump Station
- ◆ Future Treatment Facility

Future Pipes

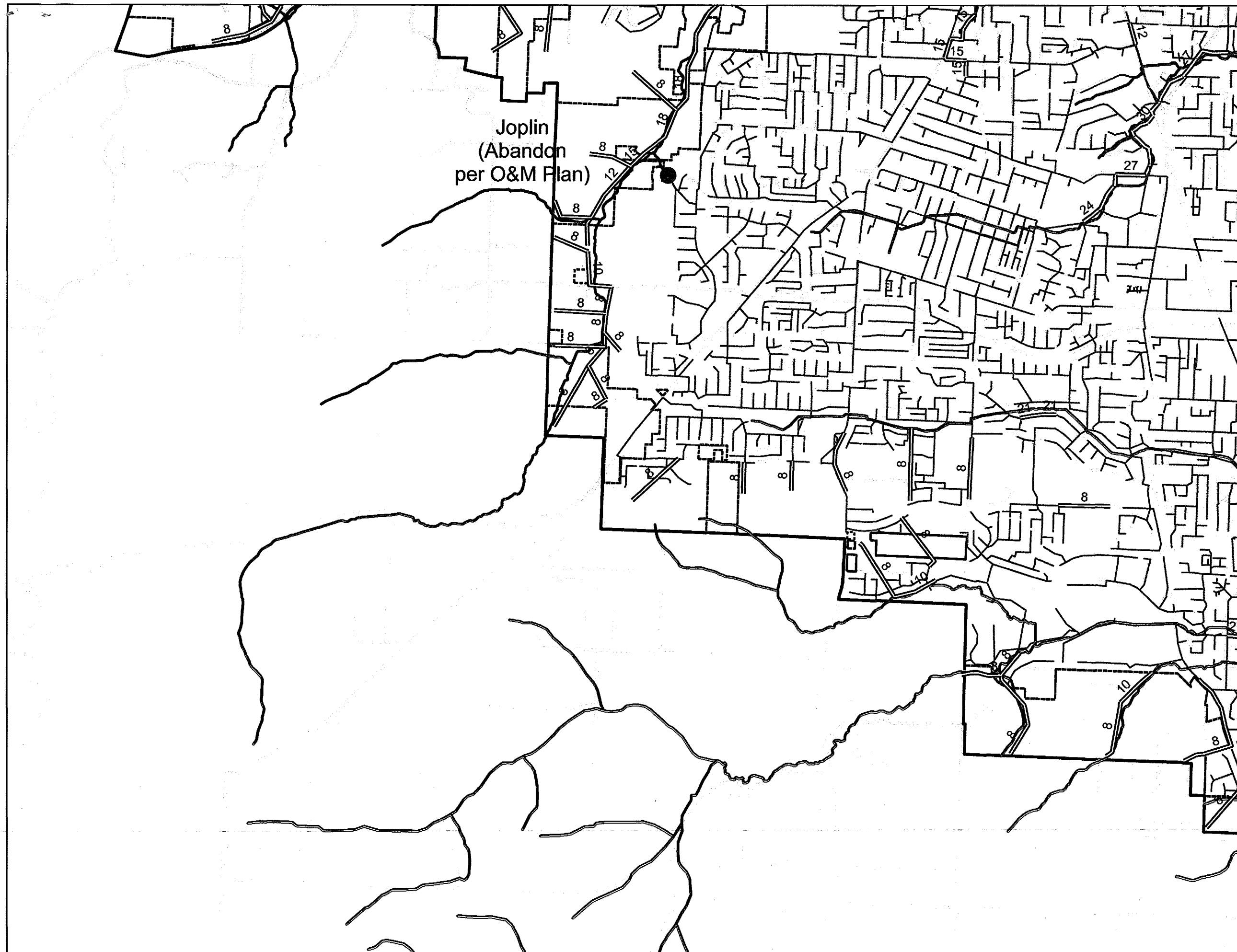
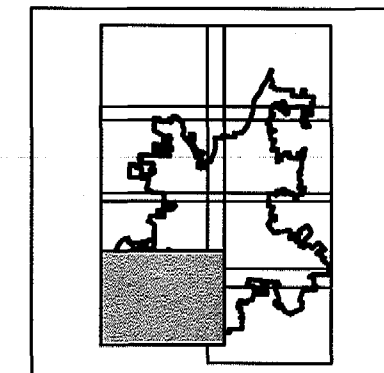
Owner

- Keizer
- Salem

Sewer Mains

SIZE

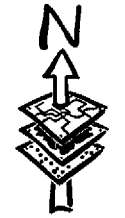
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CITY OF SALEM

SEWER SYSTEM MASTER PLAN

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Future Pipes

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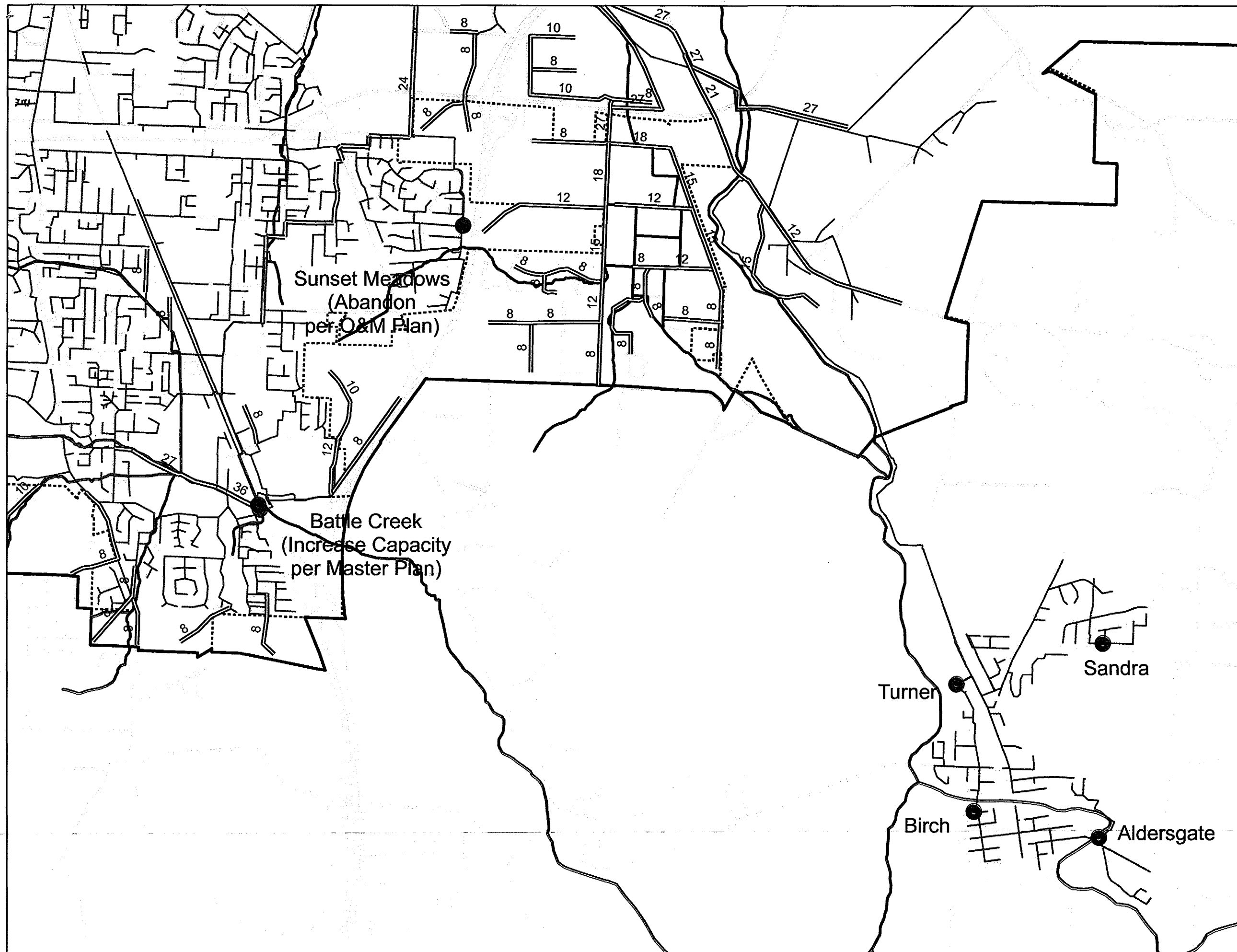
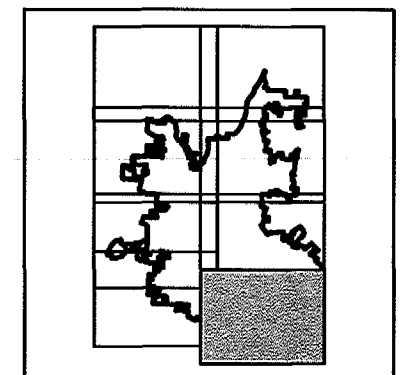
Sewer Mains

SIZE

- Less than 24"
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citylim

Ugb



Sanitary Sewer Master Plan - Pipe Projects

PJ ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	MP ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
38-1	245	18	2,226	Future Dev & PS Elimination	3801	STATE ST	MARHT PUMP STATION	340 FT W I-5	2025	Salem	\$780,000	8481.9	63
Airport-1	78	18	3,192	Sys Optimization & Future Dev	AP02	TURNER RD SE	I-5	3104 TURNER RD SE	2015	Salem	\$1,120,000	8481.9	100
Airport-2	259	21	3,159	Possible SSO & Future Dev	AP03	AIRPORT RD SE	NORTH SANTIAM HW SE	STATE ST	2015	Salem	\$1,250,000	8481.9	72
Airport-2	258	27	2,802	Possible SSO & Future Dev	AP01	STATE ST	AIRPORT RD SE	WALKER ST NE	2015	Salem	\$1,440,000	8481.9	66
Battle-1	4	8	682	Future Development	BP10	6994 SUNNYSIDE RD SE	SUNNYSIDE RD SE	1494 SCOTCH AV SE	2025	Salem	\$120,000	8481.9	100
Battle-1	5	8	1,279	Future Development	BP07	7035 SUNNYSIDE RD SE	90 FT N UGB	SUNNYSIDE RD SE	2025	Salem	\$230,000	8481.9	100
Battle-1	17	8	726	Future Development	BP03	250 FT W COMMERCIAL	500 FT N WILTSEY RD	300 FT S FABRY RD SE	2010	Salem	\$130,000	8481.9	100
Battle-1	3	8	1,067	Future Development	BP09	SUNNYSIDE RD SE	OSPREY AV SE	40 FT N UGB	2025	Salem	\$190,000	8481.9	100
Battle-1	2	8	1,316	Future Development	BP08	7002 SUNNYSIDE RD SE	PEPPER TREE CT SE	230 FT N UGB	2025	Salem	\$240,000	8481.9	100
Battle-1	240	12	1,228	Future Development	BP02	2448 ROBINS LN SE	I-5	ROBINS LN SE	2015	Salem	\$370,000	8481.9	100
Battle-1	1	8	1,431	Future Development	BP11	20TH AV SE	NATIONAL CT SE	135 FT N UGB	2025	Salem	\$260,000	8481.9	100
Battle-1	241	10	1,670	Future Development	BP01	DEVELOPABLE PROPERTY	ROBINS LN SE	1500 FT N ROBINS LN	2015	Salem	\$500,000	8481.9	100
Battle-1	82	8	2,590	Future Development	BP04	BRENTWOOD DR SE	1150 NE OF ROBINS LN	1500 SW OF ROBINS LN	2015	Salem	\$470,000	8481.9	100
Battle-1	83	8	886	Future Development	BP06	1892 MADRAS ST SE	ROBINS LN SE	270 FT S OF MADRAS S	2010	Salem	\$160,000	8481.9	100
Battle-1	18	8	938	Future Development	BP05	WOODSIDE DR SE	WALNUT CREEK	FABRY RD SE	2010	Salem	\$170,000	8481.9	100
Bellevue-	210	10	32	Sys Optimization	BV01	MILL ST SE	380 FT E WINTER ST S	380 FT E WINTER ST S	2015	Salem	\$10,000	8481.9	0
Brush-1	166	18	1,350	Future Development	BC15	GRICE HILL CT NW	GRICE HILL DR NW	1350 F N GRICE HILL	2010	Salem	\$470,000	8481.9	100
Brush-1	179	12	4,316	Future Development	BC21	ORCHARD HEIGHTS RD N	37TH AV NW	WINSLOW CREEK	2010	Salem	\$1,300,000	8481.9	100
Brush-1	168	10	884	Future Development	BC18	WINSLOW CREEK	GRICE HILL DR NW	SIMMONS ST NW	2010	Salem	\$260,000	8481.9	100
Brush-1	169	8	1,659	Future Development	BC19	ECHO DR NW	37TH PL NW	SIMMONS ST NW	2015	Salem	\$300,000	8481.9	100
Brush-1	171	8	4,031	Future Development	BC14	EMERALD DR NW	ORCHARD HEIGHTS RD N	GRICE HILL CT NW	2025	Salem	\$730,000	8481.9	100
Brush-1	165	15	333	Future Development	BC17	GRICE HILL DR NW	340 FT SW GRICE HILL	GRICE HILL CT NW	2010	Salem	\$110,000	8481.9	100
Brush-1	174	18	3,599	Future Development	BC13	BPA POWERLINE	GRICE HILL CT NW	950 FT SE GIBSON RD	2010	Salem	\$1,270,000	8481.9	100
Brush-1	178	8	1,645	Future Development	BC22	DEVELOPABLE PROPERTY	40TH AV NW	37TH AV NW	2025	Salem	\$300,000	8481.9	100
Brush-1	170	8	1,705	Future Development	BC16	DEVELOPABLE PROPERTY	BPA POWERLINE	GRICE HILL DR NW	2015	Salem	\$310,000	8481.9	100
Brush-1	167	8	3,026	Future Development	BC20	WINSLOW CREEK	ORCHARD HEIGHTS RD N	SIMMONS ST NW	2015	Salem	\$550,000	8481.9	100

PJ ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	MP ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
Brush-2	149	15	137	Rehab & Future Dev	BC27	DOAKS FERRY RD NW	130 FT NE MORROW CT	MORROW CT NW	2015	Salem	\$40,000	8481.9	10
Brush-2	207	12	535	Future Development	BC31	DOAKS FERRY RD NW	350 FT SW EMERALD DR	150 FT NE EMERALD DR	2015	Salem	\$160,000	8481.9	100
Brush-2	142	15	242	Rehab & Future Dev	BC37	WILARK DR NW	BRUSH COLLEGE RD NW	WISTERIA CT NW	2015	Salem	\$80,000	8481.9	54
Brush-2	143	15	147	Rehab & Future Dev	BC42	WILARK DR NW	WISTERIA CT NW	150 FT SW WISTERIA C	2015	Salem	\$50,000	8481.9	54
Brush-2	144	15	324	Rehab & Future Dev	BC40	WILARK DR NW	150 FT SW WISTERIA C	WINCHESTER ST NW	2015	Salem	\$110,000	8481.9	54
Brush-2	145	15	231	Rehab & Future Dev	BC26	DOAKS FERRY RD NW	120 FT SW MORROW CT	GIBSONWOODS CT NW	2015	Salem	\$80,000	8481.9	10
Brush-2	146	15	189	Rehab & Future Dev	BC39	WILARK DR NW	WINCHESTER ST NW	210 FT SW WINCHESTER	2015	Salem	\$60,000	8481.9	54
Brush-2	148	15	136	Rehab & Future Dev	BC28	DOAKS FERRY RD NW	MORROW CT NW	120 FT SW MORROW CT	2015	Salem	\$40,000	8481.9	10
Brush-2	208	10	1,449	Future Development	BC32	DOAKS FERRY RD NW	WILARK BROOK	350 FT SW EMERALD DR	2015	Salem	\$430,000	8481.9	100
Brush-2	150	15	175	Rehab & Future Dev	BC36	CITY OF SALEM, PARK	GIBSON CREEK	BRUSH COLLEGE RD NW	2015	Salem	\$60,000	8481.9	54
Brush-2	151	15	239	Rehab & Future Dev	BC41	BRUSH COLLEGE RD NW	WILARK BROOK	WILARK DR NW	2015	Salem	\$80,000	8481.9	54
Brush-2	153	15	197	Rehab & Future Dev	BC30	DOAKS FERRY RD NW	GIBSON CREEK	130 FT NE MORROW CT	2015	Salem	\$60,000	8481.9	10
Brush-2	181	15	1,141	Capacity Issue/Future Dev	BC38	WILARK DR NW	WOODHAVEN ST NW	280 FT NE WAYMIRE ST	2015	Salem	\$370,000	8481.9	54
Brush-2	164	10	2,400	Future Development	BC24	DEVELOPABLE PROPERTY	COLORADO DR NW	BRUSH COLLEGE RD NW	2010	Salem	\$710,000	8481.9	100
Brush-2	163	8	487	Future Development	BC34	DOAKS FERRY RD NW	350 FT NE ORCHARD HT	850 FT NE ORCHARD HT	2015	Salem	\$90,000	8481.9	100
Brush-2	180	12	1,554	Future Development	BC35	WILARK BROOK	DOAKS FERRY RD NW	WOODHAVEN ST NW	2015	Salem	\$470,000	8481.9	100
Brush-2	162	10	2,094	Future Development	BC33	DEVELOPABLE PROPERTY	27TH PL NW	DOAKS FERRY RD NW	2015	Salem	\$620,000	8481.9	100
Brush-2	147	15	548	Rehab & Future Dev	BC29	DOAKS FERRY RD NW	GIBSONWOODS CT NW	250 FT SW WEST PARK	2015	Salem	\$180,000	8481.9	100
Brush-3	177	8	5,255	Future Development	BC01	MICHIGAN CITY RD NW	WALLACE RD NW	BPA POWERLINE	2010	Salem	\$950,000	8481.9	100
Brush-3	1177	8	1,693	Future Development	BC44	DEVELOPABLE PROPERTY	NAUTILUS AV NW	BRUSH COLLEGE RD NW	2015	Salem	\$400,000	8481.9	100
Brush-4	175	21	3,330	Future Development	BC23	BRUSH COLLEGE RD NW	950 FT SE GIBSON RD	2900 FT SE BPA POWER	2010	Salem	\$1,320,000	8481.9	100
Brush-4	173	8	1,472	Future Development	BC11	BRUSH COLLEGE RD NW	570 FT N GIBSON RD N	950 FT SE GIBSON RD	2015	Salem	\$270,000	8481.9	100
Brush-4	172	8	1,535	Future Development	BC12	DEVELOPABLE PROPERTY	640 FT E BPA POWERLI	BRUSH COLLEGE RD NW	2015	Salem	\$280,000	8481.9	100
Brush-4	176	24	1,492	Inadequate Design/Future Dev	BC25	BRUSH COLLEGE RD NW	2900 FT SE BPA POWER	DOAKS FERRY RD NW	2010	Salem	\$680,000	8481.9	80
Brush-5	242	24	14,476	Future Development	BC43	CROSS COUNTRY	WEST SALEM PUMP STAT	WILLOW LAKE TREATMEN	2015	Salem	\$5,330,000	8481.9	100
Brush-6	157	10	503	Potential SSO	BC05	WALLACE RD NW	1020 FT NW BRUSH COL	500 FT NW BRUSH COLL	2015	Salem	\$150,000	8481.9	0
Brush-6	152	10	493	Potential SSO	BC06	WALLACE RD NW	GIBSON CREEK	1020 FT NW BRUSH COL	2015	Salem	\$150,000	8481.9	0
Brush-6	158	10	125	Potential SSO	BC02	BRUSH COLLEGE RD NW	WINTERGREEN NW	130 FT E WINTERGREEN	2015	Salem	\$40,000	8481.9	0
Brush-6	154	12	350	Potential SSO	BC09	RIVER BEND RD NW	WALLACE RD NW	350 FT NE WALLACE RD	2015	Salem	\$110,000	8481.9	0

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Brush-6	156	12	223	Potential SSO	BC08	RIVER BEND RD NW	GLENN CREEK	200 FT NE GLENN CREEK	2015	Salem	\$70,000	8481.9	0
Brush-6	161	10	145	Potential SSO	BC04	BRUSH COLLEGE RD NW	420 FT E WINTERGREEN	WALLACE RD NW	2015	Salem	\$40,000	8481.9	0
Brush-6	160	10	510	Potential SSO	BC03	WALLACE RD NW	BRUSH COLLEGE RD NW	510 FT NW BRUSH COLL	2015	Salem	\$150,000	8481.9	0
Brush-6	159	10	294	Potential SSO	BC07	BRUSH COLLEGE RD NW	130 FT E WINTERGREEN	420 FT E WINTERGREEN	2015	Salem	\$90,000	8481.9	0
Brush-6	155	12	473	Potential SSO	BC10	RIVER BEND RD NW	350 FT NE WALLACE RD	GLENN CREEK	2015	Salem	\$140,000	8481.9	0
Clark-1	236	15	437	SSO	CL03	LIBERTY RD S	BROWNING AV SE	VINE ST SE	2015	Salem	\$140,000	8481.9	0
Clark-1	234	15	341	SSO	CL01	ROSELLE AV SE	MOONLIGHT AV SE	BROWNING AV SE	2015	Salem	\$110,000	8481.9	0
Clark-1	235	15	491	SSO	CL02	BROWNING AV SE	ROSELLE AV SE	LIBERTY RD S	2015	Salem	\$160,000	8481.9	0
Clark-1	237	15	894	SSO	CL04	VINE ST SE	LIBERTY RD S	CLARK CREEK	2015	Salem	\$290,000	8481.9	0
Correction	96	15	3,327	Future Development	CS06	OREGON-CORRECTIONS	800 FT S MILL CREEK	660 FT SW GATH & TUR	2025	Salem	\$1,040,000	8481.9	100
Correction	95	21	3,745	Future Development	CS05	TURNER RD SE	4605 TURNER RD SE	800 FT S MILL CREEK	2010	Salem	\$1,390,000	8481.9	100
Correction	92	27	3,957	Capacity Issue/Future Dev	CS04	TURNER RD SE	4605 TURNER RD SE	4655 TURNER RD SE	2015	Salem	\$140,000	8481.9	100
Correction	92	27	319	Capacity Issue/Future Dev	CS02	TURNER RD SE	4605 TURNER RD SE	4655 TURNER RD SE	2015	Salem	\$140,000	8481.9	43
Correction	97	12	3,887	Future Development	CS07	TURNER RD SE	800 FT S MILL CREEK	1550 SE GATH & TURNE	2010	Salem	\$1,140,000	8481.9	100
Correction	244	15	1,659	Future Development	CS01	GAFFIN RD SE	UGB	1700 FT NE UGB	2025	Salem	\$540,000	8481.9	100
Correction	260	21	4,193	Future Development	CS08	OREGON - CORRECTIONS	OR CORRECTIONS FACTI	W MID FK LITTLE PUDD	2025	Salem	\$1,660,000	8481.9	100
Croisan-1	124	8	1,071	Future Development	CC05	BALLYNTYNE RD S	CROISAN CREEK RD S	UGB	2010	Salem	\$190,000	8481.9	100
Croisan-1	19	8	931	Future Development	CC46	150 FT S 3697 CROISA	CROISAN CREEK RD S	3737 CROISAN CREEK R	2010	Salem	\$170,000	8481.9	100
Croisan-1	20	8	540	Future Development	CC47	CROISAN CREEK RD S	3360 CROISAN CREEK R	TIMBER CT S	2010	Salem	\$100,000	8481.9	100
Croisan-1	115	8	544	Future Development	CC16	CROISAN CREEK	BALLYNTYNE RD S	450 FT S BALLYNTYNE	2010	Salem	\$100,000	8481.9	100
Croisan-1	116	8	315	Future Development	CC15	CROISAN CREEK RD S	BALLYNTYNE RD S	350 FT N BALLYNTYNE	2010	Salem	\$60,000	8481.9	100
Croisan-1	117	8	416	Future Development	CC14	CROISAN CREEK RD S	350 FT N BALLYNTYNE	780 FT N BALLYNTYNE	2010	Salem	\$80,000	8481.9	100
Croisan-1	118	10	635	Future Development	CC31	CROISAN CREEK RD S	HILLS SWALE	750 S HILLS SWALE	2010	Salem	\$190,000	8481.9	100
Croisan-1	119	12	1,421	Future Development	CC33	CROISAN CREEK RD S	4552 CROISAN CREEK R	HILLS SWALE	2010	Salem	\$430,000	8481.9	100
Croisan-1	120	15	382	Future Development	CC34	CROISAN CREEK RD S	4531 CROISAN CREEK R	4552 CROISAN CREEK R	2010	Salem	\$120,000	8481.9	100
Croisan-1	133	10	1,205	Future Development	CC27	CROISAN CREEK RD S	750 FT N KUEBLER RD	KUEBLER RD S	2010	Salem	\$360,000	8481.9	100
Croisan-1	122	18	2,727	Future Development	CC40	CROISAN CREEK RD S	SPRING ST S	4330 CROISAN CREEK R	2010	Salem	\$960,000	8481.9	100
Croisan-1	135	8	308	Future Development	CC21	DEVELOPABLE PROPERTY	300 FT W QUAIL RUN L	600 FT SW QUAIL RUN	2010	Salem	\$60,000	8481.9	100
Croisan-1	126	8	1,125	Future Development	CC03	GOETZ FAMILY FARM	CROISAN CREEK RD S	UGB	2010	Salem	\$200,000	8481.9	100

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Croisan-1	127	8	792	Future Development	CC20	4857 CROISAN CREEK R	CROISAN CREEK RD S	UGB	2010	Salem	\$140,000	8481.9	100
Croisan-1	128	8	1,043	Future Development	CC19	HILLS SWALE	CROISAN CREEK RD S	UGB	2010	Salem	\$190,000	8481.9	100
Croisan-1	129	8	932	Future Development	CC18	DEVELOPABLE PROPERTY	CROISAN CREEK RD S	900 FT W CROISAN CRE	2010	Salem	\$170,000	8481.9	100
Croisan-1	130	8	1,253	Future Development	CC17	DEVELOPABLE PROPERTY	CROISAN CREEK RD S	1300 FT NE CROISAN C	2010	Salem	\$230,000	8481.9	100
Croisan-1	125	8	533	Future Development	CC10	DEVELOPABLE PROPERTY	CROISAN CREEK RD S	550 FT SE CROISAN CR	2010	Salem	\$100,000	8481.9	100
Croisan-1	132	8	597	Future Development	CC01	CROISAN CREEK RD S	KUEBLER RD S	600 FT S KUEBLER RD	2010	Salem	\$110,000	8481.9	100
Croisan-1	134	8	828	Future Development	CC04	DEVELOPABLE PROPERTY	CROISAN CREEK	300 FT W QUAIL RUN L	2010	Salem	\$150,000	8481.9	100
Croisan-1	121	18	1,237	Future Development	CC39	CROISAN CREEK RD S	4330 CROISAN CREEK R	4531 CROISAN CREEK R	2010	Salem	\$430,000	8481.9	100
Croisan-1	123	8	1,514	Future Development	CC07	CROISAN CREEK	BALLYNTYNE RD S	UGB	2010	Salem	\$270,000	8481.9	100
Croisan-2	102	15	1,481	Future Development	CC35	LAUREL CREEK	RIVER RD S	1000 SE 2699 GREY OA	2010	Salem	\$480,000	8481.9	100
Croisan-2	103	8	466	Future Development	CC06	LAUREL CREEK	1000 SE 2699 GREY OA	350 FT W HOMESTEAD R	2010	Salem	\$80,000	8481.9	100
Croisan-2	104	8	2,046	Future Development	CC22	LAUREL CREEK	350 FT W HOMESTEAD R	600 FT SE 3989 HOMES	2010	Salem	\$370,000	8481.9	100
Croisan-2	101	12	565	Future Development	CC32	LAUREL CREEK	1000 SE 2699 GREY OA	970 NE OF 3095 DEER	2010	Salem	\$170,000	8481.9	100
Croisan-2	100	8	2,625	Future Development	CC24	LAUREL CREEK	970 NE OF 3095 DEER	1550 S OF 3095 DEER	2010	Salem	\$480,000	8481.9	100
Croisan-2	99	8	3,292	Future Development	CC23	GREY OAK BROOK	RIVER RD S	3818 HOMESTEAD RD S	2010	Salem	\$600,000	8481.9	100
Croisan-2	98	8	941	Future Development	CC13	GREY OAK BROOK	RIVER RD S	950 FT S RIVER RD S	2010	Salem	\$170,000	8481.9	100
Croisan-3	110	10	1,491	Future Development	CC25	RIVER RD S	RIVERDALE RD S	800 FT NE VIEWCREST	2010	Salem	\$440,000	8481.9	100
Croisan-3	112	15	394	Future Development	CC36	RIVER RD S	ROGUE AV S	CHAMBERS SWALE	2025	Salem	\$130,000	8481.9	100
Croisan-3	107	10	2,659	Future Development	CC28	CHAMBERS SWALE	RIVER RD S	200 FT S ILLAHE HILL	2025	Salem	\$790,000	8481.9	100
Croisan-3	108	8	1,375	Future Development	CC11	RIVER RD S	CHAMBERS SWALE	1900 FT W ROGUE AV S	2025	Salem	\$250,000	8481.9	100
Croisan-3	109	8	1,010	Future Development	CC12	COUNTRY CLUB DR S	ILLAHE HILL RD S	ILLAHE & COUNTRY CLU	2010	Salem	\$180,000	8481.9	100
Croisan-3	113	10	1,884	Future Development	CC26	RIVER RD S	800 FT NE VIEWCREST	600 FT W OF HOMESTEAD	2010	Salem	\$560,000	8481.9	100
Croisan-4	209	27	1,120	Capacity Issue/Future Dev	CC45	RIVER RD S	1070 FT SW CROISAN C	CROISAN CREEK	2025	Salem	\$580,000	8481.9	62
Croisan-6	114	8	135	Future Development	CC30	BROWN ISLAND RD S	ILLAHE PUMP STATION	RIVER RD S	2025	Salem	\$10,000	8481.9	100
Croisan-6	111	10	3,362	Future Development	CC29	ILLAHE HILL COUNTRY	BROWN ISLAND RD S	ILLAHE HILL COUNTRY	2025	Salem	\$1,000,000	8481.9	100
Croisan-6	105	8	573	Future Development	CC08	ILLAHE HILL COUNTRY	430 NE COUNTRY CLUB	UGB	2025	Salem	\$100,000	8481.9	100
Croisan-6	249	10	2,819	Future Development	CC48	BROWN ISLAND RD S	2400 FT N RIVER RD S	ILLAHE PUMP STATION	2025	Salem	\$840,000	8481.9	100
Croisan-6	106	8	828	Future Development	CC09	COUNTRY CLUB DR S	380 N ST ANDREWS LP	ILLAHE HILL COUNTRY	2025	Salem	\$150,000	8481.9	100
EChemaw	28	10	3,558	Future Development	CH09	3690 - 3700 CHEMAWA	SOUTH LABISH DITCH	LOCKHAVEN PS	2055	Salem	\$600,000	8481.9	100

<i>PJ ID</i>	<i>ML ID</i>	<i>DIA (in)</i>	<i>LENGTH</i>	<i>PURPOSE</i>	<i>MP ID</i>	<i>STREET</i>	<i>FROM</i>	<i>TO</i>	<i>YEAR</i>	<i>OWNER</i>	<i>EST COST</i>	<i>ENR</i>	<i>GROWTH</i>
			<i>(ft)</i>										<i>%</i>
EChemaw	261	30	2,139	Rehab & Future Dev	CH18	4897 INDIAN SCHOOL R	INDIAN SCHOOL RD NE	CHEMAWA PUMP STATION	2055	Salem	\$1,290,000	8481.9	70
EChemaw	261	36	2,139	Rehab & Future Dev	CH14	4897 INDIAN SCHOOL R	INDIAN SCHOOL RD NE	CHEMAWA PUMP STATION	2055	Salem	\$1,290,000	8481.9	78
EChemaw	255	27	704	Rehab & Future Dev	CH17	CHEMAWA INDIAN SCHOO	PORTLAND RD NE	SOUTH LABISH DITCH	2015	Salem	\$440,000	8481.9	52
EChemaw	253	30	2,073	Rehab & Future Dev	CH15	CHEMAWA INDIAN SCHL	2150 FT W INDIAN SCH	INDIAN SCHOOL RD NE	2055	Salem	\$1,080,000	8481.9	63
EChemaw	254	21	1,986	Rehab & Future Dev	CH16	KALE ST NE	DREW ST NE	PORTLAND RD NE	2015	Salem	\$930,000	8481.9	35
EChemaw	34	15	1,411	Future Development	CH12	PORTLAND RD NE	KALE ST NE	5113 - 5193 PORTLAND	2015	Salem	\$400,000	8481.9	100
EChemaw	31	12	1,866	Future Development	CH07	660 FT E SOUTH LABIS	5113 - 5193 PORTLAND	HAZELGREEN PS	2015	Salem	\$380,000	8481.9	100
EChemaw	29	15	7,338	Future Development	CH06	LABISH GARDENS UGB	LAKE LABISH RD/HAZEL	HAZELGREEN PS	2055	Salem	\$2,520,000	8481.9	100
EChemaw	30	8	1,551	Future Development	CH02	HAZELGREEN RD NE	4565 HAZELGREEN RD N	LAKE LABISH RD NE	2055	Salem	\$280,000	8481.9	100
EChemaw	32	12	1,152	Future Development	CH03	NORTH FORK LITTLE PU	4982 HAZELGREEN RD N	HAZELGREEN RD NE	2055	Salem	\$310,000	8481.9	100
EChemaw	33	8	1,299	Future Development	CH08	HAZELGREEN RD NE	5092 HAZELGREEN RD N	LAKE LABISH RD NE	2055	Salem	\$240,000	8481.9	100
EChemaw	81	8	1,263	Sewer Exist. Dev. Area/Future Development	CH10	NILES AV NE	PHYLLIS ST NE	BLOSSOM DR NE	2025	Salem	\$230,000	8481.9	100
EChemaw	252	36	1,864	PS Elimination & Future Dev	CH13	CROSS CNTRY UNDR I-5	CHEMAWA PUMP STATION	KEIZER PUMP STATION	2025	Salem	\$1,470,000	8481.9	72
EMarion-1	221	12	31	Potential SSO	EMO1	13TH ST NE	CENTER ST NE	CENTER ST NE	2010	Salem	\$10,000	8481.9	0
Eola-1	186	15	182	Capacity Issue/Future Dev	EO10	EOLA DR NW	TURNAGE ST NW	TURNAGE BROOK	2015	Salem	\$60,000	8481.9	45
Eola-1	183	15	187	Capacity Issue/Future Dev	EO04	TURNAGE BROOK	430 FT SW LOWER LA V	650 FT SW LOWER LA V	2015	Salem	\$60,000	8481.9	12
Eola-1	203	8	2,395	Future Development	EO13	EOLA DR NW	UGB	DOAKS FERRY RD NW	2015	Salem	\$430,000	8481.9	100
Eola-1	191	15	78	Capacity Issue/Future Dev	EO06	TURNAGE BROOK	80 FT SW LOWER LA VI	160 FT SW LOWER LA V	2015	Salem	\$30,000	8481.9	12
Eola-1	182	15	217	Capacity Issue/Future Dev	EO09	TURNAGE BROOK	460 FT NW LOWER LA V	230 FT LOWER LA VIST	2015	Salem	\$70,000	8481.9	12
Eola-1	189	15	290	Capacity Issue/Future Dev	EO05	TURNAGE BROOK	150 FT SW LOWER LA V	460 FT SW LOWER LA V	2015	Salem	\$90,000	8481.9	12
Eola-1	187	15	231	Capacity Issue/Future Dev	EO08	TURNAGE BROOK	230 FT LOWER LA VIST	LOWER LA VISTA CT NW	2015	Salem	\$80,000	8481.9	12
Eola-1	185	15	181	Capacity Issue/Future Dev	EO02	TURNAGE BROOK	730 FT SW LOWER LA V	920 FT SW LOWER LA V	2015	Salem	\$60,000	8481.9	12
Eola-1	184	15	85	Capacity Issue/Future Dev	EO03	TURNAGE BROOK	650 FT SW LOWER LA V	730 FT SW LOWER LA V	2015	Salem	\$30,000	8481.9	12
Eola-1	204	8	2,375	Future Development	EO15	ASTER ST NW	LOWER AUTUMN ST NW	EAGLES VIEW PUMP STA	2015	Salem	\$430,000	8481.9	100
Eola-1	192	6	972	Future Development	EO14	DOAKS FERRY RD NW	POWER STATION SWALE	EOLA DR NW	2015	Salem	\$100,000	8481.9	100
Eola-1	188	15	78	Capacity Issue/Future Dev	EO07	TURNAGE BROOK	LOWER LA VISTA CT NW	80 FT SW LOWER LA VI	2015	Salem	\$30,000	8481.9	12
Eola-1	206	10	528	Future Development	EO11	EOLA DR NW	BPA POWERLINE	GEHLAR RD NW	2015	Salem	\$160,000	8481.9	100
Eola-1	190	18	129	Capacity Issue/Future Dev	EO01	TURNAGE BROOK	920 FT SW LOWER LA V	1050 FT SW LOWER LAV	2015	Salem	\$50,000	8481.9	40
Eola-1	205	10	1,239	Future Development	EO12	EOLA DR NW	DOAKS FERRY RD NW	BPA POWERLINE	2015	Salem	\$370,000	8481.9	100

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Eola-2	202	18	859	Rehab & Future Dev	EL01	PATTERSON ST NW	EDGEWATER NW	140 FT S ELM ST NW	2025	Salem	\$300,000	8481.9	3
Eola-2	200	12	613	SSO	EL03	GERTH ST NW	FRANKLIN ST NW	110 FT S 3RD ST NW	2025	Salem	\$190,000	8481.9	0
Fairmont-	231	18	328	SSO	FN02	HOYT ST SE	CLARK CREEK	RAYNOR ST SE	2025	Salem	\$120,000	8481.9	0
Fairmont-	230	18	470	SSO	FN01	HOYT ST SE	RAYNOR ST SE	210 FT W SUMMER ST S	2025	Salem	\$170,000	8481.9	0
Glen-1	23	8	2,229	Future Development	GC04	3266 ORCHARD HEIGHTS	ADAMS ORCHARD AV NW	DAHLIA SWALE	2015	Salem	\$400,000	8481.9	100
Glen-1	22	8	3,029	Future Development	GC03	3266 ORCHARD HEIGHTS	SOUTH ARCHER BROOK	DAHLIA SWALE	2015	Salem	\$550,000	8481.9	100
Glen-1	24	8	882	Future Development	GC07	2916 ORCHARD HEIGHTS	SETTLERS SPRING DR N	ORCHARD HEIGHTS RD N	2015	Salem	\$160,000	8481.9	100
Glen-2	21	8	1,026	Future Development	GC01	1684 DOAKS FERRY RD	CHAPMAN HILL DR NW	DOAKS FERRY RD NW	2025	Salem	\$190,000	8481.9	100
Hayesville	219	36	1,005	PS Elimination	HD09	STATE OF OREGON-ODOT	710 FT S IBEX ST NE	I-5	2015	Salem	\$610,000	8481.9	0
Hayesville	218	30	706	PS Elimination	HD08	FISHER RD NE	IBEX ST NE	710 FT S IBEX ST NE	2015	Salem	\$400,000	8481.9	0
Hayesville	216	30	1,292	PS Elimination	HD07	IBEX ST NE	LANCASTER DR NE	FISHER RD NE	2015	Salem	\$730,000	8481.9	0
Hayesville	215	30	685	PS Elimination	HD05	LANCASTER DR NE	WARD DR NE	IBEX ST NE	2015	Salem	\$390,000	8481.9	0
Hayesville	213	21	1,274	SSO & PS Elimination	HD01	HAYESVILLE DR NE	HAYESVILLE PUMP STAT	HAPPY DR NE	2015	Salem	\$500,000	8481.9	0
Hayesville	238	24	522	Potential SSO & PS Elimination	HD02	HAYESVILLE DR NE	HAPPY DR NE	REIMANN ST NE	2015	Salem	\$240,000	8481.9	0
Hayesville	239	24	1,341	PS Elimination	HD03	HAYESVILLE DR NE	REIMANN ST NE	LANCASTER DR NE	2015	Salem	\$610,000	8481.9	0
Hayesville	214	27	2,549	PS Elimination	HD04	LANCASTER DR NE	HAYESVILLE DR NE	WARD DR NE	2015	Salem	\$1,310,000	8481.9	0
Jory-1	84	8	1,340	Future Development	JC04	LONE OAK RD SE	MIRASOL AV SE	1200 FT NW	2010	Salem	\$240,000	8481.9	100
Jory-1	9	8	871	Future Development	JC06	BATTLE CREEK	UGB	SAHALEE DR SE	2010	Salem	\$160,000	8481.9	100
Jory-1	88	8	622	Future Development	JC02	SAHALEE DR SE	CHAMPION SWALE CREEK	630 FT NE	2010	Salem	\$110,000	8481.9	100
Jory-1	8	8	2,018	Future Development	JC01	CHAMPION SWALE CREEK	REES HILL RD SE	SAHALEE DR SE	2010	Salem	\$370,000	8481.9	100
Jory-1	86	10	974	Future Development	JC05	170 FT S OF MUIRFIEL	JORY CREEK	6140 LONE OAK RD SE	2010	Salem	\$290,000	8481.9	100
Jory-1	85	8	1,406	Future Development	JC03	LINN HAVEN DR SE	162 LINN HAVEN DR SE	JORY CREEK	2010	Salem	\$250,000	8481.9	100
Market-1	94	24	971	PS Consolidation & Future Dev	MS20	MACLEAY RD SE	CORDON PUMP STATION	4200 RICKEY ST SE	2025	Salem	\$2,390,000	8481.9	2
Market-1	1184	21	1,913	PS Consolidation & Future Dev	MS16	CROSS CNTRY	970 FT SE CRANSTON S	HWY 22	2025	Salem	\$760,000	8481.9	34
Market-1	226	21	538	PS Consolidation & Future Dev	MS17	49TH AV SE	200 FT S SEATTLE SLE	TURQUOISE AV SE	2025	Salem	\$210,000	8481.9	34
Market-2	94	30	5,475	Capacity Issue/Future Dev	MS19	MACLEAY RD SE	CORDON PUMP STATION	4200 RICKEY ST SE	2025	Salem	\$2,390,000	8481.9	31
Market-3	45	10	4,317	Future Development	MS24	120 FT S AUBURN RD N	SNOOPY LN NE AND AUB	FUTURE INDUSTRIAL PU	2025	Salem	\$730,000	8481.9	100
Market-3	43	8	1,305	Future Development	MS25	4953 AUBURN RD NE	200 FT N AUBURN RD N	HOFFMAN RD NE	2025	Salem	\$240,000	8481.9	100
Market-3	44	15	1,086	Future Development	MS26	900 FT W CORDON RD N	800 FT N 4900 STATE	FUTURE INDUSTRIAL PU	2025	Salem	\$350,000	8481.9	100

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McNary-1	250	36	3,657	Rehab & Future Dev	MN01	MCNARY ESTATES DR N	MCCLURE ST N	WILLOW LAKE TREATMEN	2010	Keizer	\$2,210,000	8481.9	73
NKeizer-1	27	21	4,407	Capacity Issue/Future Dev	NK03	LABISH DITCH	780 W I-5	ROCK LEDGE CT NE	2015	Keizer	\$1,740,000	8481.9	32
NKeizer-1	26	8	716	Future Development	NK01	OPPEK ST NE	O'NEIL RD NE	OPPEK ST NE	2015	Keizer	\$130,000	8481.9	100
NKeizer-1	25	8	886	Future Development	NK05	TIMOTHY LN NE	7830 TIMOTHY LN NE	CLEAR LAKE RD NE	2015	Keizer	\$160,000	8481.9	100
NKeizer-2	251	36	3,374	PS Elimination & Future Dev	NK06	KEIZER RD NE	KEIZER PUMP STATION	CLAGGETT CREEK	2025	Salem	\$2,660,000	8481.9	72
NTrunk-1	80	10	1,087	Future Development	NT01	999 LOCUST ST NE	MAPLE AV NE	600 FT W CHERRY AV N	2025	Salem	\$320,000	8481.9	100
NTrunk-1	79	10	1,247	Future Development	NT02	CHERRY AV NE	430 FT N JOHNSON ST	SALEM INDUSTRIAL DR	2025	Salem	\$370,000	8481.9	100
Powell-1	6	8	2,736	Future Development	PO03	SUNNYSIDE RD SE/REES	REES HILL RD SE	6536 SUNNYSIDE RD SE	2025	Salem	\$500,000	8481.9	100
Powell-1	87	10	954	Future Development	PO01	ELKINS WY SE AT POWE	6700 DEVON AV SE	988 SAHALEE CT SE	2025	Salem	\$280,000	8481.9	100
Powell-1	7	8	1,259	Future Development	PO02	POWELL CREEK	REES HILL RD SE	ELKINS WY SE	2025	Salem	\$230,000	8481.9	100
Pringle-2	220	12	486	SSO	PC01	COMMERCIAL ST SE	OAKHILL AV SE	BROWNING AV SE	2010	Salem	\$150,000	8481.9	0
Railroad-1	49	8	2,117	Sewer Exist. Dev. Area/Future Development	RR22	WILTSEY SWALE CREEK	SHADOW LN SE	711 CREEK	2025	Salem	\$380,000	8481.9	100
Railroad-1	48	8	1,211	Future Development	RR20	200 FT N TIMBET DR S	EAST FORK PRINGLE CR	EASTLAND AV SE	2025	Salem	\$220,000	8481.9	100
Railroad-1	47	8	1,185	Future Development	RR21	60 FT W EASTLAND AV	200 FT N TIMBET DR S	LANGLEY ST SE	2025	Salem	\$210,000	8481.9	100
Railroad-1	46	8	1,019	Future Development	RR03	60 FT W EASTLAND AV	550 FT N WILTSEY RD	200 FT N TIMBET DR S	2025	Salem	\$180,000	8481.9	100
Railroad-1	73	10	2,367	Future Development	RR05	KUEBLER BV SE	600 FT N KUEBLER BV	TRELSTAD AV SE	2015	Salem	\$730,000	8481.9	100
Railroad-1	74	12	1,410	Future Development	RR04	LANGLEY ST SE	EASTLAND AV SE	1000 FT E 36TH AV SE	2025	Salem	\$380,000	8481.9	100
Railroad-1	75	15	1,398	Future Development	RR23	3886 KASHMIR WY SE	LANGLEY ST SE	KASHMIR WY SE	2025	Salem	\$440,000	8481.9	100
Railroad-1	51	8	350	Future Development	RR08	LANGLEY ST SE	TANGLEWOOD BROOK	2000 FT W MILL CREEK	2025	Salem	\$60,000	8481.9	100
Railroad-1	263	15	3,066	Future Development	RR29	36TH AV SE	TANGLEWOOD WY SE	KASHMIR WY SE	2015	Salem	\$860,000	8481.9	100
Railroad-1	52	8	443	Future Development	RR11	EAST FORK PRINGLE CR	350 FT NW TIMBET DR	600 FT E COLBY LN SE	2025	Salem	\$80,000	8481.9	100
Railroad-1	72	10	1,696	Future Development	RR18	MARIETTA ST SE/32ND	1000 FT E I-5	600 FT N KUEBLER BV	2015	Salem	\$380,000	8481.9	100
Railroad-1	77	12	1,677	Future Development	RR09	KASHMIR WY SE	36TH AV SE	3886 KASHMIR WY SE	2025	Salem	\$460,000	8481.9	100
Railroad-1	76	15	1,280	Future Development	RR02	3780 BOONE RD SE	KASHMIR WY SE	BOONE RD SE	2025	Salem	\$380,000	8481.9	100
Railroad-1	263	18	3,066	Future Development	RR29	36TH AV SE	TANGLEWOOD WY SE	KASHMIR WY SE	2015	Salem	\$860,000	8481.9	100
Railroad-1	61	12	838	Future Development	RR28	36TH AV SE	580 NW FEATHER LN SE	TANGLEWOOD WY SE	2015	Salem	\$230,000	8481.9	100
Railroad-1	71	8	861	Future Development	RR19	TRELSTAD AV SE	1200 FT W TURNER RD	36TH AV SE	2015	Salem	\$160,000	8481.9	100
Railroad-1	70	18	1,467	Future Development	RR10	BOONE RD SE	EASTLAND AV SE	36TH AV SE	2025	Salem	\$430,000	8481.9	100
Railroad-1	69	8	1,664	Future Development	RR12	BOONE RD SE	32ND AV SE	36TH AV SE	2015	Salem	\$300,000	8481.9	100

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			<i>(ft)</i>										<i>%</i>
Railroad-1	68	8	996	Future Development	RR17	3425 LITCHFIELD PL S	32ND AV SE	1300 FT E I-5	2015	Salem	\$180,000	8481.9	100
Railroad-1	63	27	3,855	Future Development	RR27	EAST FORK PRINGLE CR	KUEBLER BV SE	500 FT SE I5	2015	Salem	\$1,840,000	8481.9	100
Railroad-1	50	8	689	Future Development	RR16	270 FT E 773 CREEK	711 CREEK	LANGLEY ST SE	2025	Salem	\$120,000	8481.9	100
Railroad-1	62	27	971	Future Development	RR26	36TH AV SE	BOONE RD SE	TRELSTAD AV SE	2015	Salem	\$530,000	8481.9	100
Railroad-1	60	12	2,868	Future Dev & PS Elimination	RR25	5453 36TH AV SE	80 FT E I-5	36TH AV SE	2015	Salem	\$780,000	8481.9	100
Railroad-1	59	8	628	Sewer Exist. Dev. Area/Future Development	RR24	MARK CT SE	TANGLEWOOD WY SE	CUL DE SAC MARK CT S	2015	Salem	\$110,000	8481.9	100
Railroad-1	58	8	1,340	Sewer Exist. Dev. Area/Future Development	RR07	TANGLEWOOD WY SE	MARK CT SE	36TH AV SE	2015	Salem	\$240,000	8481.9	100
Railroad-1	57	8	684	Sewer Exist. Dev. Area/Future Development	RR06	TANGLEWOOD WY SE	SERENITY DR SE	MARK CT SE	2015	Salem	\$120,000	8481.9	100
Railroad-1	56	8	933	Future Development	RR15	750 FT S BABER CT SE	630 FT E I-5	770 FT SE TRANQUILIT	2015	Salem	\$170,000	8481.9	100
Railroad-1	55	8	1,505	Future Development	RR14	5633 36TH AV SE	770 FT SE TRANQUILIT	COLBY LN SE	2015	Salem	\$270,000	8481.9	100
Railroad-1	54	8	1,071	Future Development	RR01	1500 FT W 36TH AV SE	230 FT N WILTSEY ST	770 FT SE TRANQUILIT	2015	Salem	\$190,000	8481.9	100
Railroad-1	53	8	1,389	Future Development	RR13	300 FT W WILTSEY SWA	WILTSEY ST SE	570 FT NW FEATHER LN	2015	Salem	\$250,000	8481.9	100
RD2-1	64	8	1,140	Future Development	R203	700 FT W I-5	BOONE RD SE AND 27TH	KUEBLER BV SE	2015	Salem	\$210,000	8481.9	100
RD2-1	65	8	1,607	Future Development	R201	MARIETTA ST SE	KUEBLER BV SE	MARIETTA ST SE	2015	Salem	\$290,000	8481.9	100
RD2-1	66	8	591	Future Development	R202	MARIETTA ST SE	STRONG RD SE	3002 MARIETTA ST SE	2015	Salem	\$110,000	8481.9	100
RD2-1	67	8	634	Future Development	R204	300 FT W I-5	BOONE RD SE	KUEBLER BV SE	2015	Salem	\$110,000	8481.9	100
RD2-2	1171	8	2,759	Future Development	R205	AIRWAY DR SE	TURNER RD SE	EAST FORK PRINGLE CR	2015	Salem	\$650,000	8481.9	100
Stortz-1	37	8	250	Future Development	SA18	SERRA CT NE	GREENTREE DR NE	420 FT W CORDON RD N	2025	Salem	\$50,000	8481.9	100
Stortz-1	229	12	3,467	PS Consolidation & Future Dev	SA10	HOFFMAN RD NE	120 FT N D ST NE	PLATEAU ST NE	2010	Salem	\$1,050,000	8481.9	54
Stortz-1	42	8	1,458	Future Development	SA17	250 FT W CORDON RD N	WHISTLE ST NE	400 FT S SWEGLE RD N	2025	Salem	\$260,000	8481.9	100
Stortz-1	38	8	992	Future Development	SA11	80 FT E WALKER RD NE	CAPISTRANO CT NE	SERRA CT NE	2025	Salem	\$180,000	8481.9	100
Stortz-1	39	8	846	Future Development	SA16	CAPISTRANO CT NE	WALKER RD NE	CORDON RD NE	2025	Salem	\$150,000	8481.9	100
Stortz-1	41	8	1,015	Future Development	SA13	380 FT W CORDON RD N	SWEGLE RD NE	220 FT SE FUTURE RD	2025	Salem	\$180,000	8481.9	100
Stortz-1	36	8	653	Future Development	SA19	EAST FORK LITTLE PUD	SERRA CT NE	CORDON RD NE	2025	Salem	\$120,000	8481.9	100
Stortz-1	40	8	982	Future Development	SA15	1930 HOFFMAN RD NE	270 FT NE FUTURE RD	SUNNYVIEW RD NE	2025	Salem	\$180,000	8481.9	100
Stortz-2	137	15	364	SSO & Future Dev	SA08	FISHER RD NE	400 FT N WATSON AV N	WATSON AV NE	2025	Salem	\$120,000	8481.9	70
Stortz-2	140	15	478	SSO & Future Dev	SA05	FISHER RD NE	550 FT N DEVONSHIRE	DEVONSHIRE AV NE	2025	Salem	\$160,000	8481.9	70
Stortz-2	136	15	324	SSO & Future Dev	SA09	FISHER RD NE	WATSON AV NE	350 FT S WATSON AV N	2025	Salem	\$110,000	8481.9	70
Stortz-2	141	15	510	SSO & Future Dev	SA04	FISHER RD NE	SILVERTON RD NE	550 FT N DEVONSHIRE	2025	Salem	\$170,000	8481.9	70

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Stortz-2	139	15	45	SSO & Future Dev	SA06	FISHER RD NE	DEVONSHIRE AV NE	DEVONSHIRE AV NE	2025	Salem	\$10,000	8481.9	70
Stortz-2	138	15	447	SSO & Future Dev	SA07	FISHER RD NE	DEVONSHIRE AV NE	400 FT N WATSON AV N	2025	Salem	\$150,000	8481.9	70
Stortz-3	35	8	1,834	Future Development	SA20	500 FT W CORDON RD N	200 FT NE JADE PS	HAYESVILLE DR NE	2025	Salem	\$330,000	8481.9	100
Stortz-3	256	10	1,064	Future Development	SA24	DEVELOPABLE PROPERTY	CORDON RD NE	200 FT NE JADE PUMP	2025	Salem	\$320,000	8481.9	100
Stortz-3	246	8	3,467	Future Development	SA23	CORDON RD NE	1700 FT NE SILVERTON	950 FT NE WARD DR NE	2025	Salem	\$630,000	8481.9	100
Stortz-3	247	8	1,024	Future Development	SA22	CORDON RD NE	WEST FORK LITTLE PUD	950 FT NE WARD DR NE	2025	Salem	\$190,000	8481.9	100
Stortz-3	248	8	1,285	Future Development	SA21	CORDON RD NE	HAYESVILLE DR NE	1400 FT SE HAYESVILL	2025	Salem	\$230,000	8481.9	100
Stortz-3	257	10	193	Future Development	SA25	CITY OF SALEM PROPER	200 FT NE JADE PUMP	JADE PUMP STATION	2025	Salem	\$60,000	8481.9	100
System-5	243	72	10,629	SSO & Future Dev	WR11	BROADWAY ST NE	UNION ST NE	N RIVER ROAD WWTF	2015	Salem	\$16,490,000	8481.9	48
Walnut-1	16	8	1,116	Future Development	WA05	MILDRED LN SE	BALLYMEADE ST SE	SMOKETREE DR SE	2010	Salem	\$200,000	8481.9	100
Walnut-1	10	8	1,349	Future Development	WA06	2236 DAVIS RD S	650 FT N UGB	DAVIS RD S	2010	Salem	\$240,000	8481.9	100
Walnut-1	11	8	686	Future Development	WA11	1746 DAVIS RD S	880 FT N UGB	DAVIS RD S	2015	Salem	\$120,000	8481.9	100
Walnut-1	12	8	646	Future Development	WA03	1656 DAVIS RD S	960 FT N UGB	DAVIS RD S	2015	Salem	\$120,000	8481.9	100
Walnut-1	13	8	1,378	Future Development	WA01	LIBERTY RD S	RAINIER DR SE	HOLDER LN SE	2025	Salem	\$250,000	8481.9	100
Walnut-1	15	8	1,335	Future Development	WA07	LONE OAK RD SE	MILDRED LN SE	LA CRESTA DR SE	2025	Salem	\$240,000	8481.9	100
Walnut-1	90	21	266	SSO	WA09	VALLEYWOOD DR SE	SPRINGWOOD AV SE	615 VALLEYWOOD DR SE	2015	Salem	\$110,000	8481.9	0
Walnut-1	89	21	258	SSO	WA10	VALLEYWOOD DR SE	PEACHWOOD CT SE	SPRINGWOOD AV SE	2015	Salem	\$100,000	8481.9	0
Walnut-1	91	21	267	SSO	WA02	VALLEYWOOD DR SE	615 VALLEYWOOD DR SE	635 VALLEYWOOD DR SE	2015	Salem	\$110,000	8481.9	0
Walnut-1	14	8	1,594	Future Development	WA08	1300 FT E LONE OAK R	LIBERTY RD S	INTEGRA AV SE	2025	Salem	\$290,000	8481.9	100

Sanitary Sewer Master Plan - Other Projects

PJ ID	ML ID	PROJECT TITLE	NAME	TYPE	PURPOSE	MP ID	LOCATION	BASIN	Q(MGD)	YEAR	OWNER	EST COST	ENR	GROWTH %
Battle-1	1000012	Increase PS Capacity, 4-2,700 gpm	Battle Creek	Pump Station	Future Development	BP501	6401 COMMERCIAL ST SE	BATTLE CREEK PUMP STATION	7.16	2015	Salem	\$4,900,000	8481.9	61
Brush-5	1000014	Increase PS Capacity to 35 mgd fro	West Salem	Pump Station	Future Development	BC501	2550 WALLACE RD NW	BRUSH COLLEGE	14.6	2015	Salem	\$9,240,000	8481.9	42
Croisan-6	1000034	Const. PS, 2- 1000 gpm pumps	Illahe	Pump Station	Future Development	CC501	3394 BROWN ISLAND RD S	CROISAN CREEK	1.435	2025	Salem	\$670,000	8481.9	100
EChemawa-1	1000032	Const. PS, 3-525 gpm pumps	Hazelgreen	Pump Station	Future Development	CH502	CHEMAWA RD NE/PORTLAND RD	EAST CHEMAWA	1.51	2015	Salem	\$710,000	8481.9	100
EChemawa-1	1000033	Const. PS,	Lockhaven	Pump Station	Future Development	CH503	3155 CHEMAWA RD NE	EAST CHEMAWA	0.775	2055	Salem	\$360,000	8481.9	100
Eola-1	1000002	Const. PS, 3-180 gpm pumps	Eagle's View	Pump Station	Future Development	EO501	500 FT SE ASTER/DOAKS FERRY	EOLA	0.518	2015	Salem	\$240,000	8481.9	100
Eola-3	1000013	Increase PS Capacity, 2-300 gpm p	Stoneway	Pump Station	Future Development	EO502	110 STONEWAY DR NW	EOLA	0.132	2015	Salem	\$200,000	8481.9	31
Market-2	1000003	Increase PS Capacity, 4-3,300 gpm	Cordon	Pump Station	PS Consolidate/Future Dev	MS501	5055 MACLEAY RD SE	MARKET ST	8.536	2025	Salem	\$5,990,000	8481.9	60
Market-3	1000031	Const. PS for Industrial Developme	Future Industrial	Pump Station	Future Development	MS506	4990 AUBURN RD NE	MARKET ST	1.404	2025	Salem	\$660,000	8481.9	100
Stortz-3	1000036	Recnst PS, Aprx 10 ft too shallow to	Jade	Pump Station	Future Development	SA501	4900 JADE ST NE	STORTZ AV	0	2025	Salem	\$280,000	8481.9	0
System-1	1000047	Primary Clarifiers Reconstruct - 2 (S	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW507	5915 WINDSOR ISLAND RD N	ALL BASINS	0	2016	Salem	\$17,576,000	8263.3	0
System-1	1000061	Odor Control at Sewer Treatment PI	Willow Lake WPCF	Treatment Facility	Sys Optim & Future Dev	NW515	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2015	Salem	\$6,136,000	8263.3	9
System-1	1000052	South Primary Effluent Pump Statio	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW513	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2010	Salem	\$6,240,000	8263.3	9
System-1	1000051	Trickling Filter Pump Sta/Trickling Fi	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW512	5915 WINDSOR ISLAND RD N	ALL BASINS	20.45	2012	Salem	\$40,976,000	8263.3	16
System-1	1000020	Headworks, Phase 1; Willow Lake	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW501	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2006	Salem	\$104,416,000	8263.3	12
System-1	1000059	WPCF- Phase 2: Facilities Plan Upd	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW514	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2011	Salem	\$500,000	8263.3	11
System-1	1000048	Wet Weather Primary Clarifiers - 2	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW508	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2012	Salem	\$15,314,832	8263.3	13
System-1	1000050	Wet Weather Secondary Clarifiers -	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW511	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2012	Salem	\$17,576,000	8263.3	9
System-1	1000041	Headworks Improvement Phase 2:	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW502	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2012	Salem	\$9,599,200	8263.3	9
System-1	1000042	Aeration Basin Expan/Secondary Cl	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW503	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2015	Salem	\$60,944,000	8263.3	9
System-1	1000043	Biosolids Improvements - Digester	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW503	5915 WINDSOR ISLAND RD N	ALL BASINS	19.7	2011	Salem	\$22,464,000	8263.3	19
System-1	1000044	Disinfection and W3 Improvements	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW504	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2011	Salem	\$13,624,000	8263.3	13
System-1	1000045	Biosolids Imp. - Solids Thickening/D	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW505	5915 WINDSOR ISLAND RD N	ALL BASINS	19.7	2012	Salem	\$16,224,000	8263.3	19
System-1	1000046	Gravity Thickners Improvements	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW506	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2012	Salem	\$3,224,000	8263.3	9
System-1	1000049	Primary Clarifiers Reconstruct - 2 (N	Willow Lake WPCF	Treatment Facility	SSO & Future Dev	NW510	5915 WINDSOR ISLAND RD N	ALL BASINS	28	2014	Salem	\$16,952,000	8263.3	9
System-2	1000016	Upgrade & Change Control at Diver	North River Rd Diversion	Diversion	Sys Optimization	WE501	3045 RIVER RD N	WEST CENTRAL	40	2015	Salem	\$170,000	8481.9	0
System-2	1000063	River Rd Wet Weather Treatment F	North River Rd PEFTF	Treatment Facility	SSO & Future Dev	WE503	3045 RIVER RD N	WEST CENTRAL	40	2025	Salem	\$20,176,000	8263.3	13

<i>PJ ID</i>	<i>ML ID</i>	<i>PROJECT TITLE</i>	<i>NAME</i>	<i>TYPE</i>	<i>PURPOSE</i>	<i>MP ID</i>	<i>LOCATION</i>	<i>BASIN</i>	<i>Q(MGD)</i>	<i>YEAR</i>	<i>OWNER</i>	<i>EST COST</i>	<i>ENR</i>	<i>GROWTH %</i>
System-2	1000017	River Rd Wet Weather Treatment F	North River Rd PEFTF	Treatment Facility	SSO & Future Dev	WE502	3045 RIVER RD N	WEST CENTRAL	50	2007	Salem	\$10,192,000	8263.3	13
System-2	1000062	River Rd Wet Weather Treatment F	North River Rd PEFTF	Treatment Facility	SSO & Future Dev	WE504	3045 RIVER RD N	WEST CENTRAL	60	2015	Salem	\$33,280,000	8263.3	13
System-3	1000025	SCADA Monitoring	Site 19	Monitor	Sys Optimization	PC503	2475 PRINGLE RD SE	PRINGLE CREEK	0	2010	Salem	\$80,000	8481.9	0
System-3	1000001	Change Control at Diversion & SCA	Diversion #3 (Pringle Ck)	Diversion	Sys Optimization	PC502	2110 STRONG RD SE	PRINGLE CREEK	0	2010	Salem	\$80,000	8481.9	0
System-3	1000019	SCADA Monitoring	Claggett Creek Overflow	Overflow	Sys Optimization	CK503	5450 RIVER RD N	CENTRAL KEIZER	20	2010	Salem	\$80,000	8481.9	0
System-3	1000021	SCADA Monitoring	Pringle Creek/Church St	Overflow	Sys Optimization	BV501	525 CHURCH ST SE	BELLEVUE	0	2010	Salem	\$80,000	8481.9	0
System-3	1000022	SCADA Monitoring	E Salem Inter. Monitor	Monitor	Sys Optimization	UC501	1915 HYACINTH ST NE	UPPER CLAGGET	0	2010	Salem	\$80,000	8481.9	0
System-3	1000028	SCADA & Remote Control	Downtown Int. Diversion	Diversion	Sys Optim & Future Dev	EF01	CHURCH ST SE/FERRY ST SE	EAST FERRY	40	2010	Salem	\$170,000	8481.9	100
System-3	1000024	SCADA Monitoring	Site 5A	Monitor	Sys Optimization	NT501	3060 INDUSTRIAL WY NE	NORTH TRUNK	0	2010	Salem	\$80,000	8481.9	0
System-3	1000026	SCADA Monitoring	Site 217	Monitor	Sys Optimization	CL401	2413 12TH ST SE	CLARK CREEK	0	2010	Salem	\$80,000	8481.9	0
System-3	1000027	SCADA Monitoring	Site 4	Monitor	Sys Optimization	WE505	3095 RIVER RD N	WEST CENTRAL	0	2010	Salem	\$80,000	8481.9	0
System-3	1000000	Change Control at Diversion & SCA	Diversion #2 (Pringle Ck)	Diversion	Sys Optimization	PC501	3850 PRINGLE RD SE	PRINGLE CREEK	0	2010	Salem	\$80,000	8481.9	0
System-3	1000023	SCADA & Remote Control	Diversion #4 (Airport)	Diversion	Sys Optimization	FV501	3992 FAIRVIEW IND DR SE	FAIRVIEW	24	2010	Salem	\$80,000	8481.9	0
System-4	1000018	Upgrade & Change Control at Diver	Union/Church Diversion	Diversion	Sys Optimization	WR502	UNION ST NE /CHURCH ST NE	WEST MARION	40	2015	Salem	\$260,000	8481.9	0

APPENDIX B

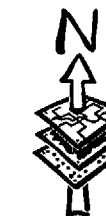
**WASTEWATER SYSTEM OPERATIONS AND
MAINTENANCE (O & M) PROJECT MAPS, AND
ASSOCIATED LIST OF PROJECTS, TITLES,
DESCRIPTIONS AND ESTIMATED COSTS**

CITY OF SALEM

SEWER SYSTEM

O & M PLAN

Jan 2007



1 inch equals 2,000 feet

Legend

● Existing Pump Stations

TYPE

▲ Future Diversion

■ Future Monitor

⊕ Future Overflow

● Future Pump Station

◆ Future Treatment Facility

Future Pipes

Owner

--- Keizer

== Salem (<= 8" not labeled)

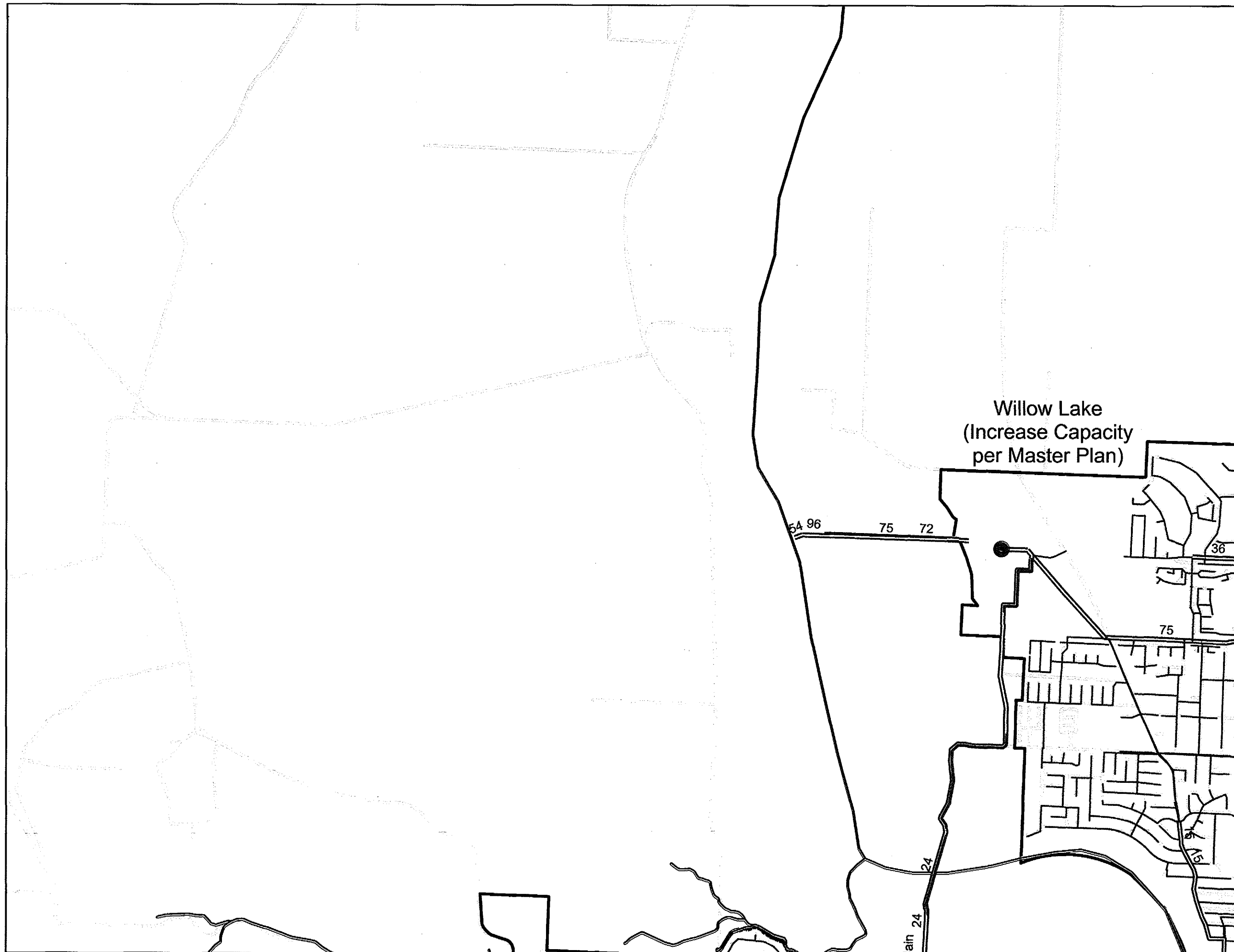
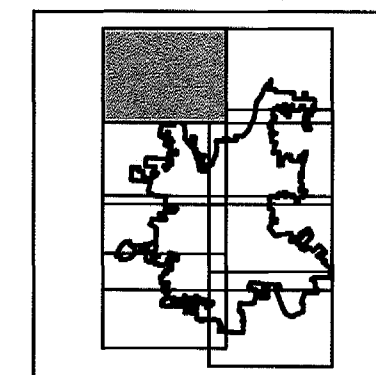
Sewer Mains

SIZE

— Less than 24"

== 24" and larger

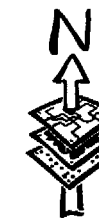
□ Ugb



CITY OF SALEM

SEWER SYSTEM O & M PLAN

Jan 2007



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TYPE

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⬢ Future Treatment Facility

Future Pipes

Owner

— Keizer

— Salem (<= 8" not labeled)

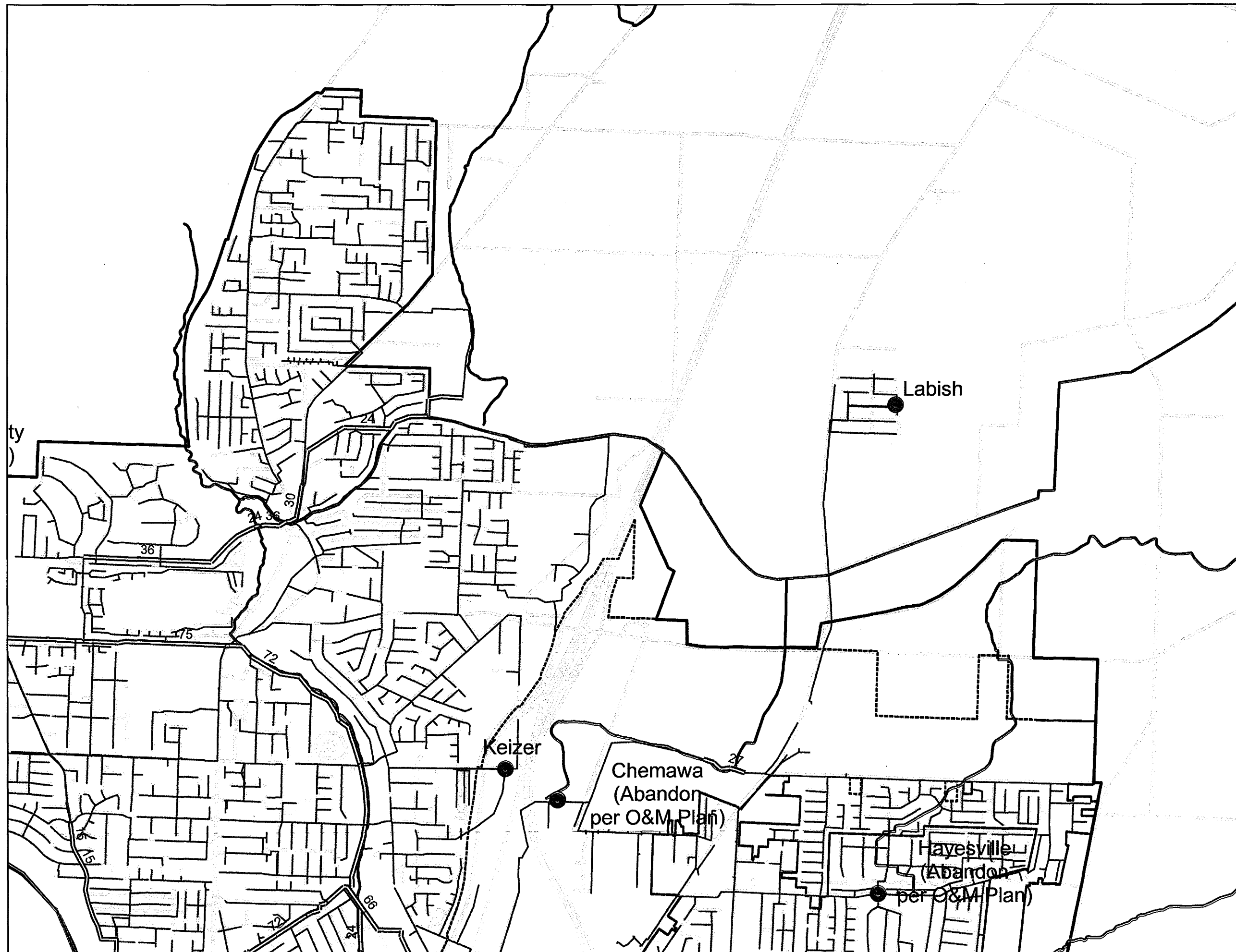
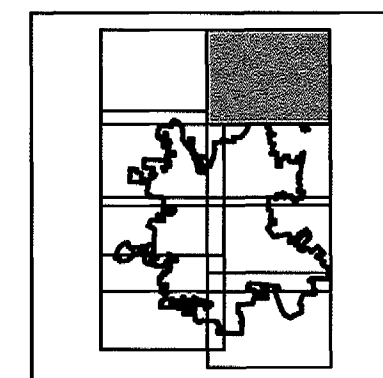
Sewer Mains

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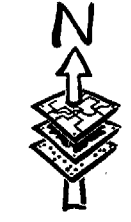
— 24" and larger

□ Ugb



CITY OF SALEM

SEWER SYSTEM O & M PLAN Jan 2007



1 inch equals 2,000 feet

Legend

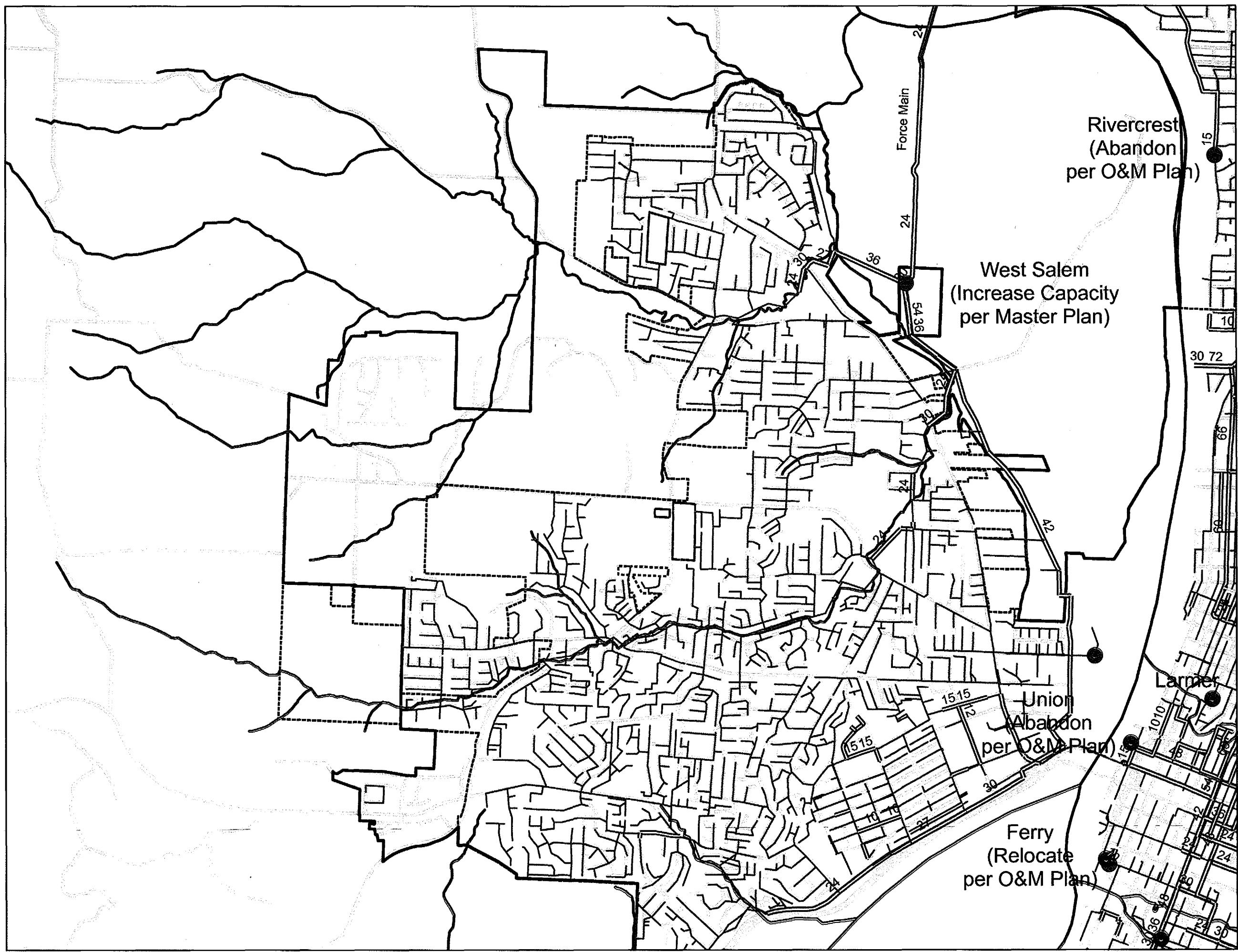
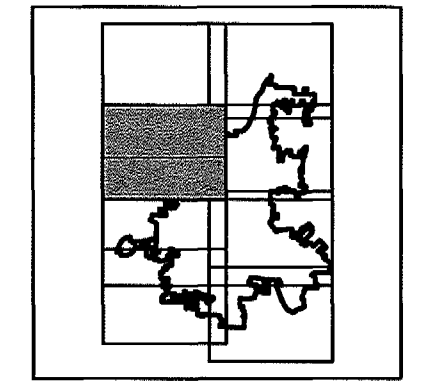
- Existing Pump Stations
- ▲ Future Diversion
- Future Monitor
- ⊕ Future Overflow
- Future Pump Station
- Future Treatment Facility

Future Pipes

- Owner**
- Keizer
 - Salem (<= 8" not labeled)

Sewer Mains

- SIZE**
- Less than 24"
 - 24" and larger
 - Ugb

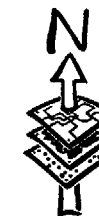


CITY OF SALEM

SEWER SYSTEM

O & M PLAN

Jan 2007



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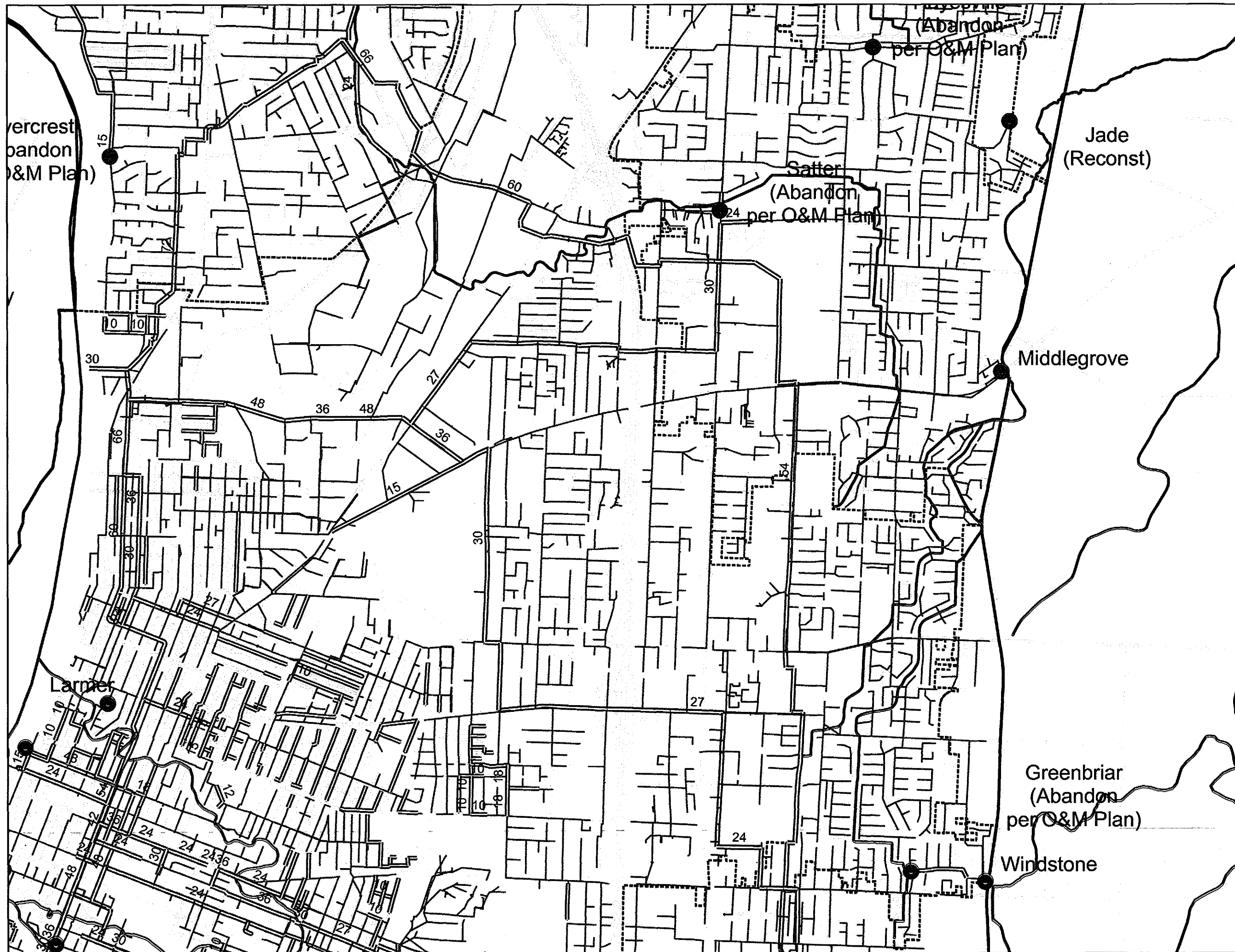
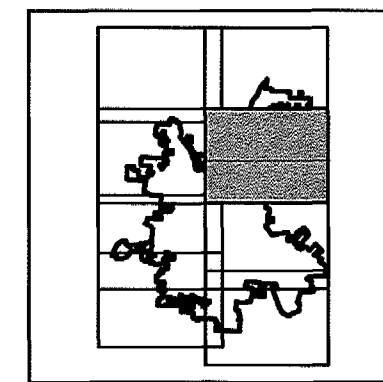
Owner

- Keizer
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Sewer Mains

SIZE

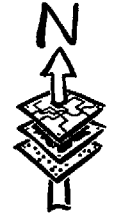
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CITY OF SALEM

SEWER SYSTEM O & M PLAN

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- ⊕ Future Overflow
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Future Pipes

Owner

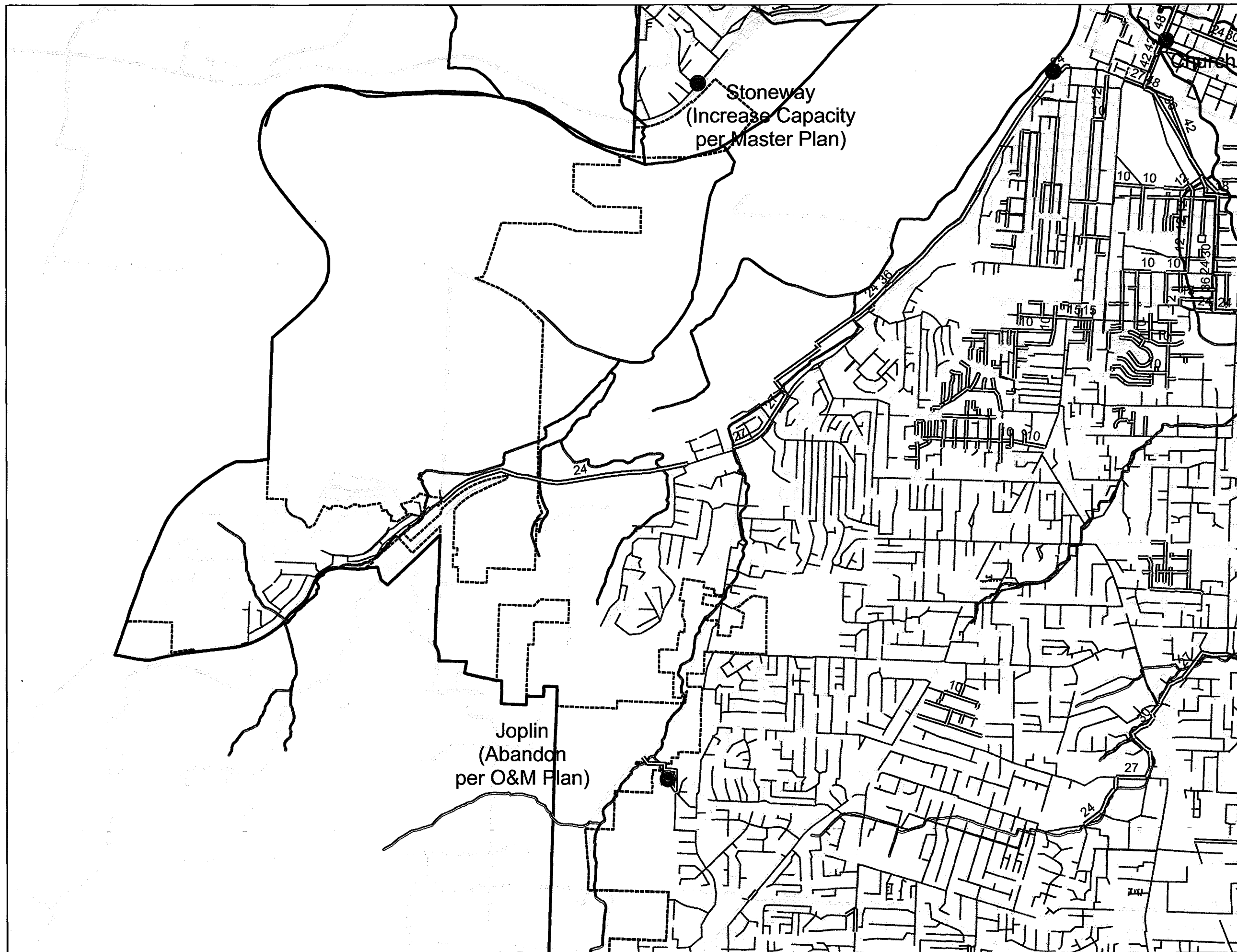
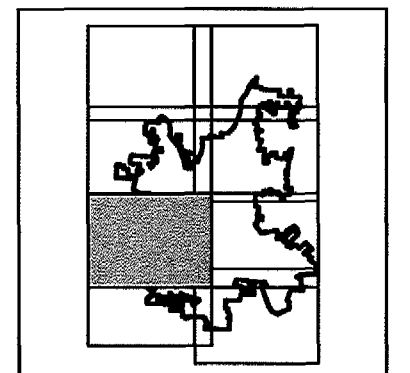
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- Salem (<= 8" not labeled)

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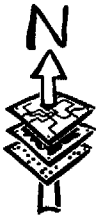
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CITY OF SALEM

SEWER SYSTEM O & M PLAN

Jan 2007



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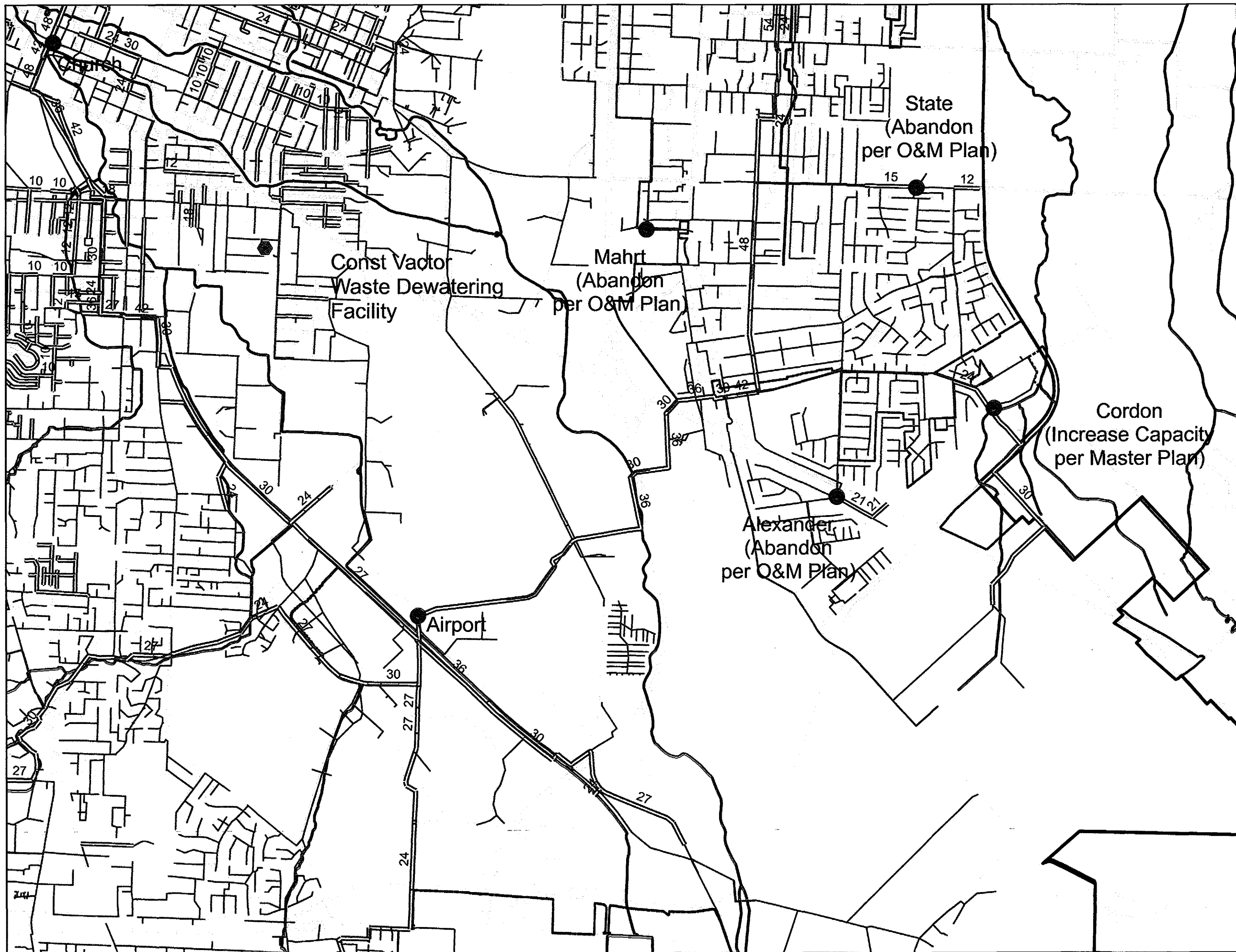
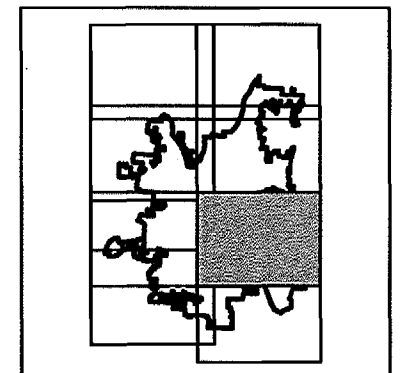
- Existing Pump Stations
- TYPE**
- ▲ Future Diversion
- Future Monitor
- ⊕ Future Overflow
- Future Pump Station
- Future Treatment Facility

Future Pipes

- Owner**
- Keizer
- Salem (<= 8" not labeled)

Sewer Mains

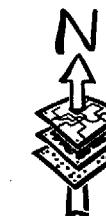
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CITY OF SALEM

SEWER SYSTEM O & M PLAN

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Future Pipes

Owner

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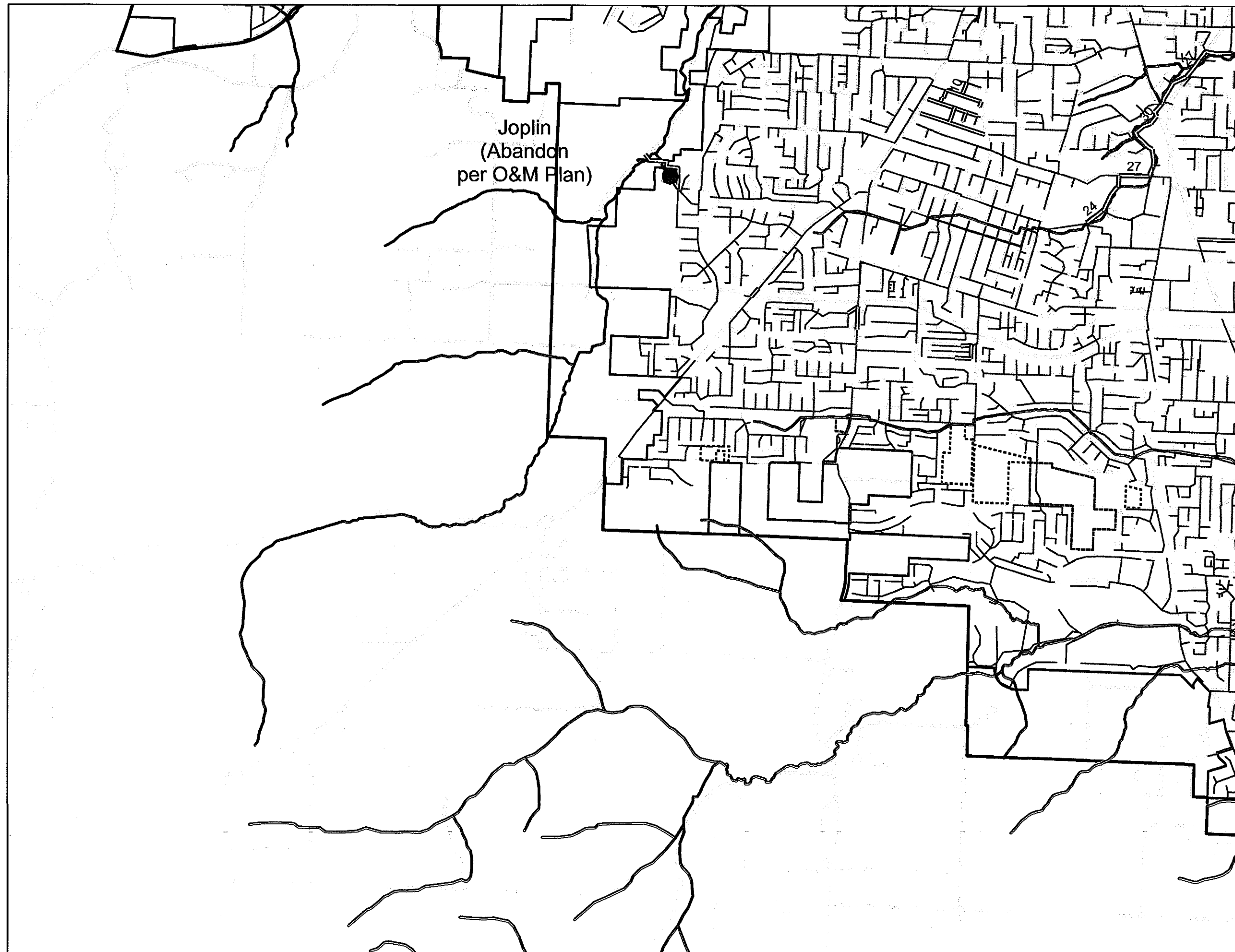
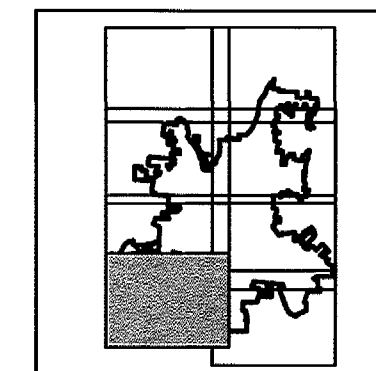
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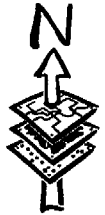
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CITY OF SALEM

SEWER SYSTEM O & M PLAN

Jan 2007



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Legend

- Existing Pump Stations
- TYPE**
- ▲ Future Diversion
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Future Pipes

Owner

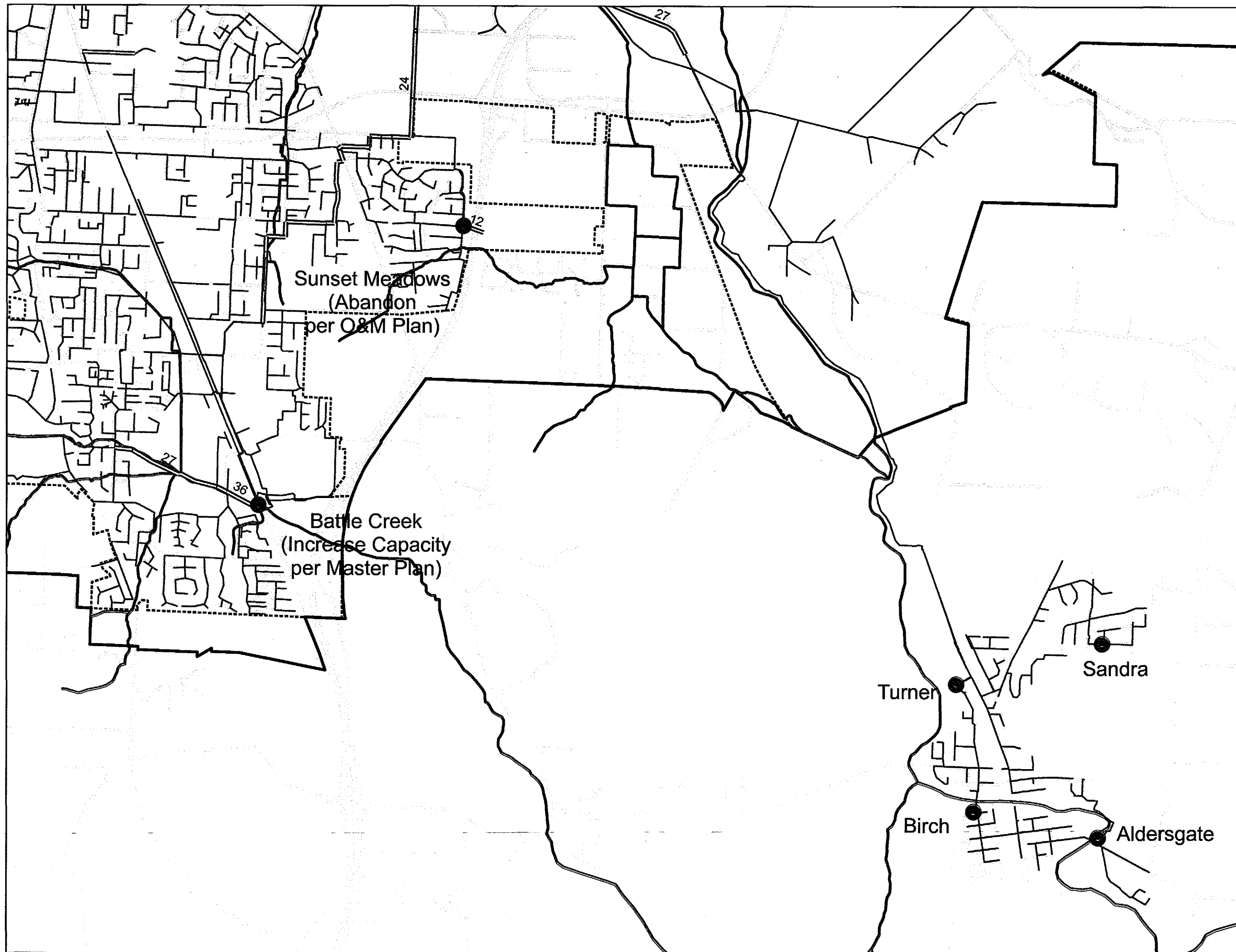
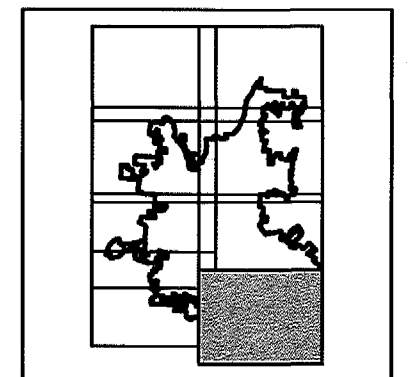
- Keizer
- ==== Salem (<= 8" not labeled)

Sewer Mains

SIZE

- Less than 24"
- ==== 24" and larger

□ Ugb



Sanitary Sewer O and M Plan- Pipe Projects

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
	131	8	1,642	Sys Optimization		CROSS COUNTRY	JOPLIN PUMP STATION	CROISAN CREEK RD S	2010	Salem	\$300,000	8481.9	0
	193	8	798	PS Elimination		DIVISION ST NE	ALLEY BTWN COMM & LI	ALLEY BTWN LIBERTY &	2015	Salem	\$140,000	8481.9	0
	195	8	217	PS Elimination		DIVISION ST NE	ALLEY BTWN LIBERTY &	HIGH ST NE	2015	Salem	\$40,000	8481.9	0
	196	8	839	PS Elimination		UNION ST NE	CHURCH ST NE	DIVISION ST NE	2015	Salem	\$150,000	8481.9	0
	197	8	304	PS Elimination		WILLOW ST NE	HIGH ST NE	MILL CREEK	2015	Salem	\$60,000	8481.9	0
	198	8	564	PS Elimination		CHURCH ST NE	MILL CREEK	UNION ST NE	2015	Salem	\$100,000	8481.9	0
	199	8	913	PS Elimination		COMMERCIAL ST NE	DIVISION ST NE	D ST NE	2015	Salem	\$170,000	8481.9	0
	201	8	1,298	Rehab		ALLEY N OF EDGEWATE	PATTERSON ST NW	GERTH ST NW	2025	Salem	\$240,000	8481.9	0
	211	15	3,754	PS Elimination		RIVERCREST DR N	RIVERCREST PS	MONEDA CT N	2025	Salem	\$1,230,000	8481.9	0
	212	15	625	PS Elimination		SHORELINE DR N	MONEDA CT N	DEARBORN AV N	2025	Salem	\$200,000	8481.9	0
	217	8	387	PS Elimination		LANCASTER DR NE	SATTER PUMP STATION	IBEX ST NE	2015	Salem	\$70,000	8481.9	0
	222	15	1,110	PS Elimination & Future D		STATE ST	STATE ST PUMP STATIO	100 FT W BRUSHWOOD C	2010	Salem	\$360,000	8481.9	35
	223	12	545	PS Elimination		STATE ST	CORDON RD SE	49TH AV SE	2025	Salem	\$160,000	8481.9	0
	224	21	908	PS Consolidation & Future		CAMPBELL DR SE	ALEXANDER PUMP STATI	970 FT SE CRANSTON S	2025	Salem	\$360,000	8481.9	34
	225	21	439	PS Consolidation		CROSS CNTRY UNDR H22	HWY 22	CAMPBELL DR SE	2025	Salem	\$170,000	8481.9	34
	228	8	1,312	PS Consolidation		SONG SPARROW ST NE	GREENBRIAR PUMP STAT	HOFFMAN RD NE	2010	Salem	\$240,000	8481.9	0
	232	18	63	Relocate PS		FRONT ST SE	FERRY PUMP STATION	70 FT NE FERRY PUMP	2015	Salem	\$20,000	8481.9	0
	233	10	235	Relocate PS		FRONT ST SE	FERRY PUMP STATION	240 FT NW FERRY PUMP	2015	Salem	\$40,000	8481.9	0
	265	12	456	PS Elimination		I-5	SUNSET MEADOWS PUMP	E SIDE I-5	2015	Salem	\$120,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
	271	0	400	Sys Optimization		BASSETT ST NW	370 FT NE PATTERSON	160 FT NE PATTERSON	2025	Salem	\$20,000	8481.9	0
	273	8	813	PS Elimination		UNION ST NE	WATER ST NE	220 FT NW COMMERCIAL	2015	Salem	\$150,000	8481.9	0
	280	8	991	PS Elimination		BROADWAY ST NE	KNAPPS PL NE	DIVISION ST NE	2015	Salem	\$180,000	8481.9	0
	1170	8	239	R & R		ALLEY BTWN MARKET/NE	12TH ST NE	290 FT NW 12TH ST NE	2008	Salem	\$60,000	8481.9	0
	1172	8	669	R & R		MOUNTAIN VIEW DR S	CANDALARIA BV S	130 FT N SONORA WY S	2080	Salem	\$160,000	8481.9	0
	1173	15	3,230	R & R		SILVERTON RD NE	LANA AV NE	PORTLAND RD NE	2080	Salem	\$1,060,000	8481.9	0
	1174	8	142	R & R		BAKER ST NE	PEARL ST NE	140 FT NE PEARL ST N	2080	Salem	\$30,000	8481.9	0
	1175	18	598	R & R		PARK AV NE	D ST NE	TESS AV NE	2080	Salem	\$210,000	8481.9	0
	1176	18	494	R & R		PARK AV NE	TESS AV NE	ELLIS AV NE	2080	Salem	\$170,000	8481.9	0
	1178	8	283	R & R		21ST ST SE	BELLEVUE ST SE	OAK ST SE	2080	Salem	\$70,000	8481.9	0
	1179	8	292	R & R		ALLEY BTWN 15 & 16 S	D ST NE	C ST NE	2080	Salem	\$70,000	8481.9	0
	1180	15	287	R & R		JUDSON ST S	WEST NOB HILL ST SE	COMMERCIAL ST SE	2080	Salem	\$90,000	8481.9	0
	1181	15	134	R & R		JUDSON ST S	WEST NOB HILL ST SE	EAST NOB HILL ST SE	2080	Salem	\$40,000	8481.9	0
	1182	15	135	R & R		JUDSON ST S	EAST NOB HILL ST SE	EAST NOB HILL ST SE	2080	Salem	\$40,000	8481.9	0
	1183	8	350	R & R		BTWN OHMART/MCGILCHR	COMMERCIAL ST SE	EAST NOB HILL ST SE	2080	Salem	\$80,000	8481.9	0
1	281	8	467	R & R	WE-2	STARK ST N	WILLAMETTE DR N	JACK ST N	2045	Salem	\$110,000	8481.9	0
10	290	8	201	R & R	NT-1	BLILER AV NE	730 FT E SALEM PY NE	MAPLE AV NE	2070	Salem	\$50,000	8481.9	0
100	377	8	158	R & R	DS-6	ALLEY BTWN OLIVE/MAR	15TH ST NE	160 FT NE 15TH ST NE	2004	Salem	\$40,000	8481.9	0
101	378	8	209	R & R	DS-6	ALLEY BTWN OLIVE/MAR	160 FT NE 15TH ST NE	370 FT NE 15TH ST NE	2004	Salem	\$50,000	8481.9	0
102	379	8	165	R & R	EB-1	ALLEY BTWN SUMMER/WI	140 FT S MARKET ST N	BELMONT ST NE	2009	Salem	\$40,000	8481.9	0
103	380	8	137	R & R	EB-4	ALLEY BTWN SUMMER/CA	MARKET ST NE	140 FT S MARKET ST N	2004	Salem	\$30,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
104	381	8	83	R & R	EB-4	ALLEY BTWN SUMMER/CA	140 FT S MARKET ST N	140 FT S MARKET ST N	2004	Salem	\$20,000	8481.9	0
105	382	8	179	R & R	EB-2	ALLEY BTWN MCCOY/CAP	90 FT N MARKET ST NE	90 FT S MARKET ST NE	2007	Salem	\$40,000	8481.9	0
106	383	8	161	R & R	EB-4	ALLEY BTWN SUMMER/CA	140 FT S MARKET ST N	BELMONT ST NE	2004	Salem	\$40,000	8481.9	0
107	384	8	185	R & R	EB-1	ALLEY BTWN SUMMER/WI	BELMONT ST NE	190 FT S BELMONT ST	2009	Salem	\$40,000	8481.9	0
108	385	8	52	R & R	EB-1	ALLEY BTWN SUMMER/WI	190 FT S BELMONT ST	190 FT S BELMONT ST	2009	Salem	\$10,000	8481.9	0
109	386	8	240	R & R	EB-4	ALLEY BTWN SUMMER/CA	MARKET ST NE	BELMONT ST NE	2004	Salem	\$60,000	8481.9	0
11	291	8	360	R & R	NT-1	BTWN TRYON/BLILER AV	120 FT E BROADWAY ST	480 FT E BROADWAY ST	2070	Salem	\$90,000	8481.9	0
110	387	8	199	R & R	EB-2	ALLEY BTWN 12TH/NEBR	110 FT S MARKET ST N	NEBRASKA AV NE	2007	Salem	\$50,000	8481.9	0
111	388	15	177	R & R	EB-4	ALLEY BTWN SUMMER/CA	BELMONT ST NE	180 FT S BELMONT ST	2004	Salem	\$60,000	8481.9	0
112	389	8	306	R & R	EB-1	ALLEY BTWN SUMMER/WI	BELMONT ST NE	E ST NE	2009	Salem	\$70,000	8481.9	0
113	390	8	180	R & R	EB-4	ALLEY BTWN SUMMER/CA	180 FT S BELMONT ST	180 FT S BELMONT ST	2004	Salem	\$40,000	8481.9	0
114	391	8	230	R & R	EB-7	ALLEY BTWN 13TH/14TH	180 FT N EAST AV NE	80 FT S EAST AV NE	2040	Salem	\$50,000	8481.9	0
115	392	8	268	R & R	EB-8	ALLEY BTWN 14TH/15TH	EAST AV NE	270 FT N EAST AV NE	2025	Salem	\$60,000	8481.9	0
116	393	8	204	R & R	EB-2	ALLEY BTWN12TH/CAPIT	NEBRASKA AV NE	210 FT S NEBRASKA AV	2007	Salem	\$50,000	8481.9	0
117	394	8	282	R & R	EB-9	ALLEY BTWN 16TH/17TH	MARKET ST NE	280 FT S MARKET ST N	2020	Salem	\$70,000	8481.9	0
118	395	8	252	R & R	EB-10	ALLEY BTWN 17TH/18TH	MARKET ST NE	250 FT S MARKET ST N	2015	Salem	\$60,000	8481.9	0
119	396	8	114	R & R	EB-4	ALLEY BTWN SUMMER/CA	160 FT S BELMONT ST	280 FT S BELMONT ST	2004	Salem	\$30,000	8481.9	0
12	292	8	280	R & R	NT-1	MAPLE AV NE	BLILER AV NE	TRYON AV NE	2070	Salem	\$70,000	8481.9	0
120	397	8	351	R & R	EB-1	ALLEY BTWN SUMMER/WI	180 FT N E ST NE	170 FT S E ST NE	2009	Salem	\$80,000	8481.9	0
121	398	8	62	R & R	EB-1	ALLEY BTWN SUMMER/WI	170 FT S E ST NE	170 FT S E ST NE	2009	Salem	\$10,000	8481.9	0
122	399	8	235	R & R	EB-2	ALLEY BTWN E/NEBRASK	190 FT E CAPITOL ST	430 FT E CAPITOL ST	2007	Salem	\$60,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
123	400	8	322	R & R	DS-6	ALLEY BTWN 15TH/16TH	MARKET ST NE	EAST AV NE	2004	Salem	\$80,000	8481.9	0
124	401	8	86	R & R	EB-9	EAST AV NE	210 FT E 15TH ST NE	130 FT W 16TH ST NE	2020	Salem	\$20,000	8481.9	0
125	402	8	298	R & R	EB-7	ALLEY BTWN 13TH/14TH	80 FT S EAST AV NE	NEBRASKA AV NE	2040	Salem	\$70,000	8481.9	0
126	403	8	382	R & R	EB-1	ALLEY BTWN SUMMER/WI	E ST NE	D ST NE	2009	Salem	\$90,000	8481.9	0
127	404	8	149	R & R	EB-6	ALLEY BTWN GARNET/13	NEBRASKA AV NE	150 FT S NEBRASKA AV	2025	Salem	\$40,000	8481.9	0
128	405	8	341	R & R	NC-14	21ST ST NE	350 FT N MADISON ST	690 FT N MADISON ST	2075	Salem	\$80,000	8481.9	0
129	406	8	348	R & R	NC-14	21ST ST NE	690 FT N MADISON ST	MADISON ST NE	2075	Salem	\$80,000	8481.9	0
13	293	8	359	R & R	NT-1	BTWN TRYON/JOHNSON S	120 FT E BROADWAY ST	480 FT E BROADWAY ST	2070	Salem	\$90,000	8481.9	0
130	407	8	227	R & R	NC-14	21ST ST NE	MADISON ST NE	230 FT S MADISON ST	2075	Salem	\$50,000	8481.9	0
131	408	8	374	R & R	NC-14	23RD ST NE	MADISON ST NE	MARKET ST NE	2075	Salem	\$90,000	8481.9	0
132	409	8	244	R & R	EB-12	MARKET ST NE	21ST ST NE	250 FT W 21ST ST NE	2040	Salem	\$60,000	8481.9	0
133	410	8	238	R & R	EB-12	MARKET ST NE	250 FT W 21ST ST NE	120 FT W 20TH ST NE	2040	Salem	\$60,000	8481.9	0
134	411	8	301	R & R	EB-12	MARKET ST NE	120 FT W 20TH ST NE	19TH ST NE	2040	Salem	\$70,000	8481.9	0
135	412	8	26	R & R	DS-2	EVERGREEN AV NE	ALBERTA AV NE	ALBERTA AV NE	2060	Salem	\$10,000	8481.9	0
136	413	8	199	R & R	EB-12	19TH ST NE	MARKET ST NE	VIRGINIA ST NE	2040	Salem	\$50,000	8481.9	0
137	414	8	231	R & R	DS-2	EVERGREEN AV NE	ALBERTA AV NE	120 FT S ALBERTA AV	2060	Salem	\$50,000	8481.9	0
138	415	8	280	R & R	EB-12	VIRGINIA ST NE	19TH ST NE	280 FT E 19TH ST NE	2040	Salem	\$70,000	8481.9	0
139	416	8	96	R & R	DS-2	EVERGREEN AV NE	120 FT S ALBERTA AV	WINDSOR AV NE	2060	Salem	\$20,000	8481.9	0
14	294	8	84	R & R	NT-1	BTWN TRYON/JOHNSON S	480 FT E BROADWAY ST	570 FT E BROADWAY ST	2070	Salem	\$20,000	8481.9	0
140	417	8	174	R & R	EB-12	19TH ST NE	VIRGINIA ST NE	180 FT S VIRGINIA ST	2040	Salem	\$40,000	8481.9	0
141	418	8	239	R & R	EB-12	VIRGINIA ST NE	280 FT E 19TH ST NE	E TO DEAD END	2040	Salem	\$60,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
142	419	8	298	R & R	EB-13	21ST ST NE	290 FT S MARKET ST N	590 FT S MARKET ST N	2015	Salem	\$70,000	8481.9	0
143	420	8	341	R & R	EO-1	BARBERRY ST NW	STONEWAY DR NW	340 FT E STONEWAY DR	2075	Salem	\$80,000	8481.9	0
144	421	8	214	R & R	EO-1	BARBERRY ST NW	340 FT E STONEWAY DR	23RD CT NW	2075	Salem	\$50,000	8481.9	0
145	422	8	118	R & R	EO-1	BARBERRY ST NW	23RD CT NW	120 FT E 23RD CT NW	2075	Salem	\$30,000	8481.9	0
146	423	8	201	R & R	EO-1	BARBERRY ST NW	120 FT E 23RD CT NW	TURNAGE ST NW	2075	Salem	\$50,000	8481.9	0
147	424	8	113	R & R	EO-1	STONEWAY DR NW	BARBERRY ST NW	120 FT S BARBERRY ST	2075	Salem	\$30,000	8481.9	0
148	425	15	337	R & R	EL-4	8TH ST NW	ARTHUR WY NW	340 FT NE ARTHUR WY	2025	Salem	\$110,000	8481.9	0
149	426	12	251	R & R	EL-6	MURLARK AV NW	BASSETT ST NW	250 FT NW BASSETT ST	2020	Salem	\$80,000	8481.9	0
15	295	8	309	R & R	NT-1	MAPLE AV NE	150 FT S BLILER AV N	160 FT S TRYON AV NE	2070	Salem	\$70,000	8481.9	0
150	427	8	345	R & R	EL-5	FRANKLIN ST NW	ROSEMONT AV NW	350 FT W ROSEMONT AV	2015	Salem	\$80,000	8481.9	0
151	269	10	1,001	Rehab	EL-3	3RD ST NW	230 FT E KINGWOOD AV	GERTH ST NW	2020	Salem	\$300,000	8481.9	0
152	268	10	1,001	Rehab	EL-3	3RD ST NW	KINGWOOD AV NW	230 FT E KINGWOOD AV	2020	Salem	\$300,000	8481.9	0
153	267	10	1,001	Rehab	EL-3	3RD ST NW	250 FT E ROSEMONT AV	KINGWOOD AV NW	2020	Salem	\$300,000	8481.9	0
154	266	10	1,001	Rehab	EL-3	3RD ST NW	ROSEMONT AV NW	250 FT E ROSEMONT AV	2020	Salem	\$300,000	8481.9	0
155	428	8	240	R & R	EL-3	ROSEMONT AV NW	PLAZA ST NW	RAILROAD ROW	2020	Salem	\$60,000	8481.9	0
156	429	8	97	R & R	EL-3	ROSEMONT AV NW	PLAZA ST NW	PLAZA ST NW	2020	Salem	\$20,000	8481.9	0
157	430	8	290	R & R	EL-4	GERTH ST NW	8TH ST NW	290 SE 8TH ST NW	2025	Salem	\$70,000	8481.9	0
158	431	15	323	R & R	EL-4	8TH ST NW	340 FT NE ARTHUR WY	GERTH ST NW	2025	Salem	\$110,000	8481.9	0
159	272	0	400	Sys Optimization	EL-6	BASSETT ST NW	160 FT NE PATTERSON	PATTERSON ST NW	2020	Salem	\$20,000	8481.9	0
16	296	8	275	R & R	NT-1	BTWN TRYON/JOHNSON S	570 FT E BROADWAY ST	MAPLE AV NE	2070	Salem	\$70,000	8481.9	0
160	270	0	400	Sys Optimization	EL-6	PATTERSON ST NW	BASSETT ST NW	PATTERSON ST NW	2020	Salem	\$20,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
161	432	8	296	R & R	EM-1	ALLEY BTWN CHURCH/CO	UNION ST NE	300 FT NE UNION ST N	2040	Salem	\$70,000	8481.9	0
162	433	8	110	R & R	EM-1	CENTER ST NE	BTWN COTTAGE/WINTER	BTWN COTTAGE/WINTER	2040	Salem	\$30,000	8481.9	0
163	434	10	284	R & R	EM-1	ALLEY BTWN CHURCH/CO	CENTER ST NE	CHEMEKETA ST NE	2040	Salem	\$80,000	8481.9	0
164	435	8	98	R & R	WF-2	ALLEY BTWN FERRY/COM	20 FT S STATE ST	120 FT S STATE ST	2005	Salem	\$20,000	8481.9	0
165	436	8	201	R & R	WF-2	ALLEY BTWN FERRY/COM	120 FT S STATE ST	FERRY ST SE	2005	Salem	\$50,000	8481.9	0
166	437	8	291	R & R	EM-1	ALLEY BTWN CHURCH/CO	MARION ST NE	CENTER ST NE	2040	Salem	\$70,000	8481.9	0
167	438	8	230	R & R	EB-2	ALLEY BTWN E ST NE/D	110 FT NW RAILROAD R	340 FT NW RAILROAD R	2007	Salem	\$50,000	8481.9	0
168	439	8	121	R & R	EB-2	ALLEY BTWN CAPITOL N	70 FT NE D ST NE	190 FT NE D ST NE	2007	Salem	\$30,000	8481.9	0
169	440	8	298	R & R	EB-9	ALLEY BTWN 16TH/17TH	NEBRASKA AV NE	300 FT NE NEBRASKA A	2020	Salem	\$70,000	8481.9	0
17	297	8	53	R & R	NT-1	JOHNSON ST NE	CHURCH ST NE	CHURCH ST NE	2070	Salem	\$10,000	8481.9	0
170	441	8	85	R & R	EB-6	IMPERIAL DR NE	DEAD END BY D ST NE	DEAD END BY D ST NE	2025	Salem	\$20,000	8481.9	0
171	442	8	371	R & R	EB-6	GARNET ST NE	110 FT NE D ST NE	480 FT NE D ST NE	2025	Salem	\$90,000	8481.9	0
172	443	8	360	R & R	EB-8	ALLEY BTWN 14TH/15TH	NEBRASKA AV NE	360 FT SW NEBRASKA A	2025	Salem	\$90,000	8481.9	0
173	444	8	354	R & R	EB-10	ALLEY BTWN 17TH/18TH	NEBRASKA AV NE	360 FT NE NEBRASKA A	2015	Salem	\$80,000	8481.9	0
174	445	8	204	R & R	EB-6	IMPERIAL DR NE	D ST NE	DEAD END BY D ST NE	2025	Salem	\$50,000	8481.9	0
175	446	8	126	R & R	EB-8	ALLEY BTWN 14TH/15TH	14TH ST NE	130 FT SE 14TH ST NE	2025	Salem	\$30,000	8481.9	0
176	447	8	238	R & R	EB-15	ALLEY BTWN 15TH/16TH	370 FT SW	610 FT SW NEBRASKA A	2050	Salem	\$60,000	8481.9	0
177	448	8	115	R & R	DS-16	ALLEY BTWN 15TH/16TH	610 FT SW NEBRASKA A	610 FT SW NEBRASKA A	2005	Salem	\$30,000	8481.9	0
178	449	8	109	R & R	DS-16	ALLEY BTWN 15TH/16TH	610 FT SW NEBRASKA A	610 FT SW NEBRASKA A	2005	Salem	\$30,000	8481.9	0
179	450	8	300	R & R	EB-9	ALLEY BTWN 16TH/17TH	D ST NE	KANSAS AV NE	2020	Salem	\$70,000	8481.9	0
18	298	8	260	R & R	NT-1	BTWN TRYON/JOHNSON S	TRYON AV NE	JOHNSON ST NE	2070	Salem	\$60,000	8481.9	0

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180	451	8	321	R & R	EM-1	ALLEY BTWN WINTER/CO	UNION ST NE	320 FT NE UNION ST N	2040	Salem	\$80,000	8481.9	0
181	452	18	190	R & R	EM-1	UNION ST NE	COTTAGE ST NE	ALLEY BTWN WINTER/CO	2040	Salem	\$70,000	8481.9	0
182	453	8	256	R & R	EB-11	ALLEY BTWN 19TH/20TH	D ST NE	KANSAS AV NE	2015	Salem	\$60,000	8481.9	0
183	454	8	251	R & R	EB-11	D ST NE	70 FT W 19TH ST NE	180 FT E 19TH ST NE	2015	Salem	\$60,000	8481.9	0
184	455	8	354	R & R	EM-2	18TH ST NE	CENTER ST NE	360 FT NW CENTER ST	2035	Salem	\$80,000	8481.9	0
185	456	8	623	R & R	EM-2	17TH ST NE	CENTER ST NE	A ST NE	2035	Salem	\$150,000	8481.9	0
186	457	8	357	R & R	EM-2	STATESMAN ST NE	40 FT SW A ST NE	400 FT SW A ST NE	2035	Salem	\$80,000	8481.9	0
187	458	8	198	R & R	EM-2	18TH ST NE	360 FT NW CENTER ST	A ST NE	2035	Salem	\$50,000	8481.9	0
188	459	8	268	R & R	EB-8	ALLEY BTWN 14TH/15TH	380 FT SW NEBRASKA A	650 FT SW NEBRASKA A	2025	Salem	\$60,000	8481.9	0
189	460	8	376	R & R	EB-15	ALLEY BTWN 15TH/16TH	NEBRASKA AV NE	370 FT SW NEBRASKA A	2050	Salem	\$90,000	8481.9	0
19	299	8	336	R & R	NT-1	JOHNSON ST NE	CHURCH ST NE	MAPLE AV NE	2070	Salem	\$80,000	8481.9	0
190	461	8	376	R & R	EB-9	ALLEY BTWN 16TH/17TH	NEBRASKA AV NE	KANSAS AV NE	2020	Salem	\$90,000	8481.9	0
191	462	8	298	R & R	EB-10	ALLEY BTWN 17TH/18TH	KANSAS AV NE	300 FTY SW KANSAS AV	2015	Salem	\$70,000	8481.9	0
192	463	8	110	R & R	EB-11	D ST NE	20TH ST NE	BREYS AV NE	2015	Salem	\$30,000	8481.9	0
193	464	8	376	R & R	EB-10	ALLEY BTWN 17TH/18TH	NEBRASKA AV NE	KANSAS AV NE	2015	Salem	\$90,000	8481.9	0
194	465	8	196	R & R	DS-2	LADD AV NE	130 FT W PARK AV NE	330 FT W PARK AV NE	2060	Salem	\$50,000	8481.9	0
195	466	8	266	R & R	DS-2	ELLIS AV NE	EVERGREEN AV NE	270 FT E EVERGREEN A	2060	Salem	\$60,000	8481.9	0
196	467	8	30	R & R	DS-2	ELLIS AV NE	EVERGREEN AV NE	EVERGREEN AV NE	2060	Salem	\$10,000	8481.9	0
197	468	8	442	R & R	EB-13	21ST ST NE	400 FT NE NEBRASKA A	840 FT N NEBRASKA AV	2015	Salem	\$100,000	8481.9	0
198	469	8	350	R & R	DS-10	TESS AV NE	30TH AV NE	REEDY DR NE	2060	Salem	\$80,000	8481.9	0
199	470	8	464	R & R	EB-11	ALLEY BTWN 20TH/21ST	NEBRASKA AV NE	D ST NE	2015	Salem	\$110,000	8481.9	0

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2	282	8	332	R & R	WE-2	WILLAMETTE DR N	STARK ST N	DELMAR DR N	2045	Salem	\$80,000	8481.9	0
20	300	8	284	R & R	NT-1	MAPLE AV NE	JOHNSON ST NE	LOCUST ST NE	2070	Salem	\$70,000	8481.9	0
200	471	10	422	R & R	DS-9	EVERGREEN AV NE	D ST NE	430 FT N D ST NE	2040	Salem	\$130,000	8481.9	0
201	472	8	198	R & R	BS-8	THOMPSON AV NE	D ST NE	200 FT S D ST NE	2020	Salem	\$50,000	8481.9	0
202	473	8	399	R & R	BS-8	THOMPSON AV NE	200 FT S D ST NE	B ST NE	2020	Salem	\$90,000	8481.9	0
203	474	8	124	R & R	BS-8	GREAR ST NE	JASON ST NE	130 FT E JASON ST NE	2020	Salem	\$30,000	8481.9	0
204	475	8	188	R & R	BS-8	JASON ST NE	GREAR ST NE	190 FT S GREAR ST NE	2020	Salem	\$40,000	8481.9	0
205	476	8	39	R & R	BS-8	JASON ST NE	190 FT S GREAR ST NE	190 FT S GREAR ST NE	2020	Salem	\$10,000	8481.9	0
206	477	8	178	R & R	BS-8	ALLEY BTWN JASON/CAT	JASON ST NE	CATTERLIN AV NE	2020	Salem	\$40,000	8481.9	0
207	478	10	135	R & R	BS-7	ROSE ST NE	CENTER ST NE	140 FT S CENTER ST N	2060	Salem	\$40,000	8481.9	0
208	479	8	289	R & R	BS-8	B ST NE	THOMPSON AV NE	CATTERLIN ST NE	2020	Salem	\$70,000	8481.9	0
209	480	8	275	R & R	BS-8	CATTERLIN ST NE	B ST NE	280 FT S B ST NE	2020	Salem	\$70,000	8481.9	0
21	301	8	288	R & R	NT-1	CHURCH ST NE	JOHNSON ST NE	LOCUST ST NE	2070	Salem	\$70,000	8481.9	0
210	481	8	401	R & R	EB-13	21ST ST NE	NEBRASKA AV NE	400 FT N NEBRASKA AV	2015	Salem	\$100,000	8481.9	0
211	482	8	115	R & R	DS-2	EVERGREEN AV NE	ELLIS AV NE	120 FT N ELLIS AV NE	2060	Salem	\$30,000	8481.9	0
212	483	8	323	R & R	DS-10	TESS AV NE	PARK AV NE	30TH AV NE	2060	Salem	\$80,000	8481.9	0
213	484	10	350	R & R	DS-9	D ST NE	EVERGREEN AV NE	ICEL CT NE	2040	Salem	\$100,000	8481.9	0
214	485	8	77	R & R	WF-1	COMMERCIAL ST SE	BELLEVUE ST SE	BELLEVUE ST SE	2075	Salem	\$10,000	8481.9	0
215	486	8	133	R & R	WF-1	COMMERCIAL ST SE	BELLEVUE ST SE	130 FT SE BELLEVUE S	2075	Salem	\$30,000	8481.9	0
216	487	8	201	R & R	WF-1	CITY OF SALEM, CITY	130 FT SE BELLEVUE S	LIBERTY ST SE	2075	Salem	\$50,000	8481.9	0
217	488	8	95	R & R	WF-1	CITY OF SALEM, CITY	LIBERTY ST SE	LIBERTY ST SE	2075	Salem	\$20,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
218	489	8	81	R & R	WF-1	LIBERTY ST SE	CITY OF SALEM, CITY	CITY OF SALEM, CITY	2075	Salem	\$10,000	8481.9	0
219	490	8	293	R & R	WF-1	LIBERTY ST SE	CITY OF SALEM, CITY	100 FT NE OAK ST SE	2075	Salem	\$70,000	8481.9	0
22	302	8	54	R & R	NT-1	100 FT E OF MAPLE AV	100 FT E OF MAPLE AV	100 FT E OF MAPLE AV	2070	Salem	\$10,000	8481.9	0
220	491	8	152	R & R	EM-2	ALLEY BTWN 18TH/19TH	18TH ST NE	19TH ST NE	2035	Salem	\$40,000	8481.9	0
221	492	8	211	R & R	EC-2	ALLEY BTWN STATE/COU	COURT ST NE	210 FT S COURT ST NE	2075	Salem	\$50,000	8481.9	0
222	493	8	368	R & R	EC-1	ALLEY BTWN 18TH/MILL	COURT ST NE	DEAD END	2075	Salem	\$90,000	8481.9	0
223	494	8	266	R & R	BV-1	14TH ST SE	MILL CREEK	TRADE ST SE	2015	Salem	\$60,000	8481.9	0
224	495	8	171	R & R	BV-1	TRADE ST SE	14TH ST SE	170 FT SE 14TH ST SE	2015	Salem	\$40,000	8481.9	0
225	496	10	340	R & R	BV-1	15TH ST SE	FERRY ST SE	TRADE ST SE	2015	Salem	\$100,000	8481.9	0
226	497	10	41	R & R	BV-1	15TH ST SE	TRADE ST SE	TRADE ST SE	2015	Salem	\$10,000	8481.9	0
227	498	8	312	R & R	BV-1	16TH ST SE	FERRY ST SE	FERRY ST SE	2015	Salem	\$70,000	8481.9	0
228	499	8	100	R & R	BV-3	FERRY ST SE	22ND ST SE	22ND ST SE	2030	Salem	\$20,000	8481.9	0
229	500	8	318	R & R	BV-2	19TH ST SE	TRADE ST SE	FERRY ST SE	2020	Salem	\$80,000	8481.9	0
23	303	8	359	R & R	NT-1	BTWN TRYON/BLILER AV	480 FT W MAPLE AV NE	120 FT W MAPLE AV NE	2070	Salem	\$90,000	8481.9	0
230	501	8	147	R & R	BV-3	23RD ST SE	FERRY ST SE	150 FT SE FERRY ST S	2030	Salem	\$30,000	8481.9	0
231	502	8	391	R & R	BV-2	19TH ST SE	TRADE ST SE	MILL ST SE	2020	Salem	\$90,000	8481.9	0
232	503	10	277	R & R	BV-3	TRADE ST SE	22ND ST SE	280 FT SE 22ND ST SE	2030	Salem	\$80,000	8481.9	0
233	504	8	300	R & R	BV-3	23RD ST SE	TRADE ST SE	300 FT NW TRADE ST S	2030	Salem	\$70,000	8481.9	0
234	505	10	126	R & R	BV-3	TRADE ST SE	23RD ST SE	130 FT SW 23RD ST SE	2030	Salem	\$40,000	8481.9	0
235	506	10	172	R & R	BV-3	TRADE ST SE	23RD ST SE	170 FT E 23RD ST SE	2030	Salem	\$50,000	8481.9	0
236	507	8	357	R & R	BV-3	RICHMOND ST SE	TRADE ST SE	MILL CREEK	2030	Salem	\$80,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
237	508	10	230	R & R	BV-6	TRADE ST SE	RICHMOND ST SE	24TH ST SE	2025	Salem	\$70,000	8481.9	0
238	509	8	400	R & R	BV-2	21ST ST SE	TRADE ST SE	MILL ST SE	2020	Salem	\$90,000	8481.9	0
239	510	8	331	R & R	BV-3	22ND ST SE	TRADE ST SE	MILL ST SE	2030	Salem	\$80,000	8481.9	0
24	304	8	354	R & R	WE-1	ALLEY BTWN COMM/FRON	PINE ST NE	360 FT S PINE ST NE	2045	Salem	\$80,000	8481.9	0
240	511	10	189	R & R	BV-6	24TH ST SE	TRADE ST SE	TRADE ST SE	2025	Salem	\$60,000	8481.9	0
241	512	8	54	R & R	EC-1	COURT ST NE	ALLEY BTWN 18TH/MILL	ALLEY BTWN 18TH/MILL	2075	Salem	\$10,000	8481.9	0
242	513	10	77	R & R	BV-3	TRADE ST SE	RICHMOND ST SE	RICHMOND ST SE	2030	Salem	\$20,000	8481.9	0
243	514	10	242	R & R	BS-7	HAYDEN AV NE	ROSE ST NE	23RD ST NE	2060	Salem	\$70,000	8481.9	0
244	515	8	229	R & R	BS-7	HAYDEN AV NE	23RD ST NE	24TH ST NE	2060	Salem	\$50,000	8481.9	0
245	516	8	254	R & R	BS-7	ROSE ST NE	HAYDEN AV NE	DEAD END	2060	Salem	\$60,000	8481.9	0
246	517	8	290	R & R	DS-12	ILLINOIS AV NE	250 FT S CENTER ST N	540 FT S CENTER ST N	2075	Salem	\$70,000	8481.9	0
247	518	8	294	R & R	BS-7	23RD ST NE	HAYDEN AV NE	DEAD END	2060	Salem	\$70,000	8481.9	0
248	519	8	332	R & R	BS-7	24TH ST SE	HAYDEN AV NE	330 FT S HAYDEN AV N	2060	Salem	\$80,000	8481.9	0
249	520	10	192	R & R	BS-5	BREYMAN ST NE	23RD ST NE	ROSE ST NE	2005	Salem	\$60,000	8481.9	0
25	305	8	301	R & R	WE-1	ALLEY BTWN COMM/FRON	360 FT S PINE ST NE	GROVE ST NE	2045	Salem	\$70,000	8481.9	0
250	521	8	276	R & R	DS-12	ILLINOIS AV NE	540 FT S CENTER ST N	MIDWAY AV NE	2075	Salem	\$70,000	8481.9	0
251	522	8	123	R & R	BS-5	BREYMAN ST NE	23RD ST NE	ALLEY BTWN 23RD/24TH	2005	Salem	\$30,000	8481.9	0
252	523	8	58	R & R	FN-11	JOHN ST S	LINCOLN ST S	LINCOLN ST S	2060	Salem	\$10,000	8481.9	0
253	524	8	79	R & R	FN-11	JOHN ST S	LANE PL S	LANE PL S	2060	Salem	\$10,000	8481.9	0
254	525	8	118	R & R	FN-11	LANE PL S	JOHN ST S	DEAD END	2060	Salem	\$30,000	8481.9	0
255	526	8	262	R & R	FN-11	JOHN ST S	LINCOLN ST S	WASHINGTON ST S	2060	Salem	\$60,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
256	527	8	305	R & R	FN-11	JOHN ST S	WASHINGTON ST S	SUPERIOR ST S	2060	Salem	\$70,000	8481.9	0
257	528	8	272	R & R	FN-11	LUTHER ST S	JOHN ST S	270 FT NW JOHN ST S	2060	Salem	\$60,000	8481.9	0
258	529	8	100	R & R	BV-7	WALLER ST SE	320 FT W 12TH ST SE	DEAD END	2015	Salem	\$20,000	8481.9	0
259	530	8	84	R & R	FN-9	MYERS ST S	ALLEY BTWN FIR/FAIRM	ALLEY BTWN FIR/FAIRM	2075	Salem	\$20,000	8481.9	0
26	306	8	222	R & R	WE-1	ALLEY BTWN COMM/FRON	GROVE ST NE	COLUMBIA ST NE	2045	Salem	\$50,000	8481.9	0
260	531	8	237	R & R	FN-9	ALLEY BTWN FIR/FAIRM	MYERS ST S	240 FT S MYERS ST S	2075	Salem	\$60,000	8481.9	0
261	532	8	119	R & R	BV-7	HINES ST SE	280 FT W 12TH ST SE	DEAD END	2015	Salem	\$30,000	8481.9	0
262	533	8	347	R & R	FN-15	ALLEY BTWN FIR/SAGIN	MYERS ST S	LEFFELLE ST S	2055	Salem	\$80,000	8481.9	0
263	534	8	202	R & R	FN-15	LEFFELLE ST S	ALLEY BTWN FIR/SAGIN	FIR ST S	2055	Salem	\$50,000	8481.9	0
264	535	10	354	R & R	FN-8	LEFFELLE ST S	HIGH ST SE	CHURCH ST SE	2055	Salem	\$100,000	8481.9	0
265	536	10	267	R & R	FN-8	LEFFELLE ST S	CHURCH ST SE	COTTAGE ST SE	2055	Salem	\$80,000	8481.9	0
266	537	10	358	R & R	FN-26	LEFFELLE ST S	SUMMER ST SE	DAVIDSON ST SE	2050	Salem	\$110,000	8481.9	0
267	538	12	152	R & R	FN-26	LEFFELLE ST S	DAVIDSON ST SE	BUSH PARK	2050	Salem	\$50,000	8481.9	0
268	539	12	77	R & R	FN-26	LEFFELLE ST S	DAVIDSON ST SE	DAVIDSON ST SE	2050	Salem	\$20,000	8481.9	0
269	540	12	146	R & R	FN-26	LEFFELLE ST S	CAPITOL ST SE	BUSH PARK	2050	Salem	\$40,000	8481.9	0
27	307	8	328	R & R	NC-15	ALLEY BTWN WATER/FRO	NORWAY ST NE	SHIPPING ST NE	2005	Salem	\$80,000	8481.9	0
270	541	8	436	R & R	FN-9	ALLEY BTWN FIR/FAIRM	LINCOLN ST S	LEFFELLE ST S	2075	Salem	\$100,000	8481.9	0
271	542	8	257	R & R	FN-8	CROSS ST SE	CHURCH ST SE	COTTAGE ST SE	2055	Salem	\$60,000	8481.9	0
272	543	8	117	R & R	FN-26	SUMMER ST SE	CROSS ST SE	120 FT N CROSS ST SE	2050	Salem	\$30,000	8481.9	0
273	544	12	164	R & R	FN-26	CAPITOL ST SE	CROSS ST SE	LEFFELLE ST S	2050	Salem	\$50,000	8481.9	0
274	545	10	200	R & R	FN-26	CROSS ST SE	DAVIDSON ST SE	CAPITOL ST SE	2050	Salem	\$60,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
275	546	8	283	R & R	FN-10	LINCOLN ST S	170 FT W COMMERCIAL	110 FT E COMMERCIAL	2070	Salem	\$70,000	8481.9	0
276	547	8	311	R & R	FN-10	LINCOLN ST S	110 FT E COMMERCIAL	LIBERTY ST SE	2070	Salem	\$70,000	8481.9	0
277	548	8	272	R & R	FN-15	FIR ST S	LINCOLN ST S	WASHINGTON ST S	2055	Salem	\$60,000	8481.9	0
278	549	8	391	R & R	FN-26	SUMMER ST SE	CROSS ST SE	WILBUR ST SE	2050	Salem	\$90,000	8481.9	0
279	550	8	394	R & R	FN-26	DAVIDSON ST SE	CROSS ST SE	WILBUR ST SE	2050	Salem	\$90,000	8481.9	0
28	308	8	277	R & R	NC-17	ALLEY BTWN 5TH/CHURC	HICKORY ST NE	PINE ST NE	2075	Salem	\$70,000	8481.9	0
280	551	8	141	R & R	FN-26	WILBUR ST SE	DAVIDSON ST SE	ALLEY BTWN SUMMER/DA	2050	Salem	\$30,000	8481.9	0
281	552	8	42	R & R	FN-26	WILBUR ST SE	SUMMER ST SE	SUMMER ST SE	2050	Salem	\$10,000	8481.9	0
282	553	8	322	R & R	FN-8	COTTAGE ST SE	WILBUR ST SE	HOWARD ST SE	2055	Salem	\$80,000	8481.9	0
283	554	8	357	R & R	CX-2	12TH ST SE	WILBUR ST SE	HOWARD ST SE	2030	Salem	\$80,000	8481.9	0
284	555	8	323	R & R	FN-26	ALLEY BTWN SUMMER/DA	WILBUR ST SE	HOWARD ST SE	2050	Salem	\$80,000	8481.9	0
285	556	8	302	R & R	FN-26	SUMMER ST SE	WILBUR ST SE	HOWARD ST SE	2050	Salem	\$70,000	8481.9	0
286	557	8	452	R & R	FN-25	YEW ST SE	WILBUR ST SE	HOWARD ST SE	2030	Salem	\$110,000	8481.9	0
287	558	8	68	R & R	FN-11	ALLEY BTWN FAIRMONT/	210 FT N LUTHER ST S	DEAD END	2060	Salem	\$10,000	8481.9	0
288	559	8	289	R & R	CX-2	12TH ST SE	HOWARD ST SE	LEWIS ST SE	2030	Salem	\$70,000	8481.9	0
289	560	8	211	R & R	FN-11	ALLEY BTWN FAIRMONT/	LUTHER ST S	210 FT N LUTHER ST S	2060	Salem	\$50,000	8481.9	0
29	309	8	457	R & R	NC-8	ALLEY BTWN HAZEL/LAU	SPRUCE ST NE	HIGHLAND AV NE	2065	Salem	\$110,000	8481.9	0
290	561	8	367	R & R	FN-10	EAST NOB HILL ST SE	SUPERIOR ST SE	OXFORD ST SE	2070	Salem	\$90,000	8481.9	0
291	562	8	180	R & R	FN-10	OXFORD ST SE	EAST NOB HILL ST SE	HIGH ST SE	2070	Salem	\$40,000	8481.9	0
292	563	12	519	R & R	FN-25	CAPITOL ST SE	HOWARD ST SE	OXFORD ST SE	2030	Salem	\$160,000	8481.9	0
293	564	8	213	R & R	FN-25	LORAIN CT SE	OXFORD ST SE	DEAD END	2030	Salem	\$50,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
294	565	8	273	R & R	FN-25	OXFORD ST SE	CAPITOL ST SE	LORAIN CT SE	2030	Salem	\$60,000	8481.9	0
295	566	8	103	R & R	FN-25	OXFORD ST SE	LORAIN CT SE	DEAD END	2030	Salem	\$20,000	8481.9	0
296	567	8	197	R & R	FN-10	ALLEY BTWN COMMERCIA	LIBERTY ST SE	SUPERIOR ST SE	2070	Salem	\$50,000	8481.9	0
297	568	8	77	R & R	FN-10	SUPERIOR ST SE	ALLEY BTWN COMMERCIA	WEST NOB HILL ST SE	2070	Salem	\$10,000	8481.9	0
298	569	8	55	R & R	FN-10	SUPERIOR ST SE	WEST NOB HILL ST SE	WEST NOB HILL ST SE	2070	Salem	\$10,000	8481.9	0
299	570	8	170	R & R	FN-10	SUPERIOR ST SE	WEST NOB HILL ST SE	LIBERTY ST SE	2070	Salem	\$40,000	8481.9	0
3	283	10	250	R & R	WE-2	DELMAR DR N	WILLAMETTE DR N	250 FT E WILLAMETTE	2045	Salem	\$70,000	8481.9	0
30	310	8	326	R & R	NC-8	ALLEY BTWN HAZEL/LAU	HIGHLAND AV NE	COLUMBIA ST NE	2065	Salem	\$80,000	8481.9	0
300	571	8	14	R & R	FN-10	SUPERIOR ST SE	LIBERTY ST SE	LIBERTY ST SE	2070	Salem	\$10,000	8481.9	0
301	572	8	387	R & R	FN-15	ALLEY BTWN FIR/SAGIN	LEFFELLE ST S	LINCOLN ST S	2055	Salem	\$90,000	8481.9	0
302	573	8	242	R & R	FN-15	ALLEY BTWN FIR/SAGIN	LINCOLN ST S	WASHINGTON ST S	2055	Salem	\$60,000	8481.9	0
303	574	8	394	R & R	FN-8	COTTAGE ST SE	CROSS ST SE	WILBUR ST SE	2055	Salem	\$90,000	8481.9	0
304	575	8	129	R & R	BV-6	24TH ST SE	120 FT S MILL ST SE	DEAD END	2025	Salem	\$30,000	8481.9	0
305	576	8	300	R & R	BV-3	23RD ST SE	170 FT S MILL ST SE	SIMPSON ST SE	2030	Salem	\$70,000	8481.9	0
306	577	8	295	R & R	BV-4	19TH ST SE	OAK ST SE	300 FT SW OAK ST SE	2015	Salem	\$70,000	8481.9	0
307	578	8	239	R & R	BV-4	20TH ST SE	OAK ST SE	240 FT SW OAK ST SE	2015	Salem	\$60,000	8481.9	0
308	579	8	253	R & R	BV-5	SIMPSON ST SE	22ND ST SE	22ND ST SE	2035	Salem	\$60,000	8481.9	0
309	580	8	260	R & R	BV-5	SIMPSON ST SE	22ND ST SE	FORD ST SE	2035	Salem	\$60,000	8481.9	0
31	311	8	416	R & R	NC-24	ALLEY BTWN LIBERTY/4	COLUMBIA ST NE	ACADEMY ST NE	2005	Salem	\$100,000	8481.9	0
310	581	8	195	R & R	BV-5	SIMPSON ST SE	FORD ST SE	200 FT E FORD ST SE	2035	Salem	\$50,000	8481.9	0
311	582	8	133	R & R	BV-5	SIMPSON ST SE	200 FT E FORD ST SE	340 FT E FORD ST SE	2035	Salem	\$30,000	8481.9	0

<i>OPS ID</i>	<i>ML ID</i>	<i>DIA (in)</i>	<i>LENGTH (ft)</i>	<i>PURPOSE</i>	<i>OPS PJ ID</i>	<i>STREET</i>	<i>FROM</i>	<i>TO</i>	<i>YEAR</i>	<i>OWNER</i>	<i>EST COST</i>	<i>ENR</i>	<i>GROWTH %</i>
312	583	8	221	R & R	BV-4	20TH ST SE	240 FT SW OAK ST SE	LEE ST SE	2015	Salem	\$50,000	8481.9	0
313	584	8	112	R & R	BV-4	20TH ST SE	LEE ST SE	LEE ST SE	2015	Salem	\$30,000	8481.9	0
314	585	8	318	R & R	BV-5	22ND ST SE	SIMPSON ST SE	LEE ST SE	2035	Salem	\$80,000	8481.9	0
315	586	8	329	R & R	BV-5	LEE ST SE	22ND ST SE	330 FT E 22ND ST SE	2035	Salem	\$80,000	8481.9	0
316	587	8	189	R & R	BV-5	LEE ST SE	330 FT E 22ND ST SE	FORD ST SE	2035	Salem	\$40,000	8481.9	0
317	588	8	138	R & R	BV-5	LEE ST SE	FORD ST SE	140 FT E FORD ST SE	2035	Salem	\$30,000	8481.9	0
318	589	8	222	R & R	BV-5	23RD ST SE	SIMPSON ST SE	LEE ST SE	2035	Salem	\$50,000	8481.9	0
319	590	12	241	R & R	BV-8	WALLER ST SE	RAILROAD ROW	14TH ST SE	2020	Salem	\$70,000	8481.9	0
32	312	8	413	R & R	NC-8	ALLEY BTWN HAZEL/LAU	COLUMBIA ST NE	ACADEMY ST NE	2065	Salem	\$100,000	8481.9	0
320	591	8	261	R & R	BV-8	WALLER ST SE	14TH ST SE	15TH ST SE	2020	Salem	\$60,000	8481.9	0
321	592	8	256	R & R	BV-8	WALLER ST SE	15TH ST SE	16TH ST SE	2020	Salem	\$60,000	8481.9	0
322	593	8	263	R & R	BV-8	WALLER ST SE	16TH ST SE	17TH ST SE	2020	Salem	\$60,000	8481.9	0
323	594	8	153	R & R	BV-5	FORD ST SE	LEE ST SE	SHELTON ST SE	2035	Salem	\$40,000	8481.9	0
324	595	8	259	R & R	BV-8	WALLER ST SE	17TH ST SE	18TH ST SE	2020	Salem	\$60,000	8481.9	0
325	596	8	378	R & R	BV-5	SHELTON ST SE	FORD ST SE	380 FT E FORD ST SE	2035	Salem	\$90,000	8481.9	0
326	597	8	379	R & R	BV-5	SHELTON ST SE	380 FT E FORD ST SE	760 FT E FORD ST SE	2035	Salem	\$90,000	8481.9	0
327	598	8	119	R & R	BV-5	SHELTON ST SE	760 FT E FORD ST SE	24TH ST SE	2035	Salem	\$30,000	8481.9	0
328	599	8	304	R & R	BV-5	22ND ST SE	LEE ST SE	SHELTON DITCH	2035	Salem	\$70,000	8481.9	0
329	600	8	334	R & R	BV-4	20TH ST SE	LEE ST SE	SHELTON DITCH	2015	Salem	\$80,000	8481.9	0
33	313	8	365	R & R	NC-24	ALLEY BTWN LIBERTY/4	ACADEMY ST NE	RIVER ST NE	2005	Salem	\$90,000	8481.9	0
330	601	8	151	R & R	BV-5	24TH ST SE	SHELTON ST SE	SHELTON DITCH	2035	Salem	\$40,000	8481.9	0

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331	602	8	272	R & R	BV-5	ALLEY BTWN 24TH/25TH	SHELTON DITCH	SHELTON DITCH	2035	Salem	\$60,000	8481.9	0
332	603	8	51	R & R	CX-3	ALLEY BTWN 16TH/17TH	HINES ST SE	HINES ST SE	2075	Salem	\$10,000	8481.9	0
333	604	8	448	R & R	CX-1	TOWNSEND WY SE	22ND ST SE	FORD ST SE	2065	Salem	\$110,000	8481.9	0
334	605	8	248	R & R	CX-1	TOWNSEND WY SE	FORD ST SE	240 FT E FORD ST SE	2065	Salem	\$60,000	8481.9	0
335	606	8	87	R & R	CX-3	ALLEY BTWN 16TH/17TH	HINES ST SE	HINES ST SE	2075	Salem	\$20,000	8481.9	0
336	607	8	263	R & R	CX-1	TOWNSEND WY SE	240 FT E FORD ST SE	23RD ST SE	2065	Salem	\$60,000	8481.9	0
337	608	8	205	R & R	CX-1	TOWNSEND WY SE	23RD ST SE	200 FT E 23RD ST SE	2065	Salem	\$50,000	8481.9	0
338	609	8	213	R & R	CX-1	TOWNSEND WY SE	200 FT E 23RD ST SE	24TH ST SE	2065	Salem	\$50,000	8481.9	0
339	610	8	216	R & R	CX-1	22ND ST SE	TOWNSEND WY SE	HYDE ST SE	2065	Salem	\$50,000	8481.9	0
34	314	8	325	R & R	NC-8	ALLEY BTWN HAZEL/LAU	ACADEMY ST NE	320 FT S ACADEMY ST	2065	Salem	\$80,000	8481.9	0
340	611	8	202	R & R	CX-1	ALLEY BTWN HYDE/CLAU	22ND ST SE	MISSION ST SE	2065	Salem	\$50,000	8481.9	0
341	612	8	100	R & R	CX-1	22ND ST SE	HYDE ST SE	MISSION ST SE	2065	Salem	\$20,000	8481.9	0
342	613	8	303	R & R	CX-3	ALLEY BTWN 15TH/16TH	HINES ST SE	CROSS ST SE	2075	Salem	\$70,000	8481.9	0
343	614	8	299	R & R	CX-1	ALLEY BTWN HYDE/CLAU	22ND ST SE	300 FT E 22ND ST SE	2065	Salem	\$70,000	8481.9	0
344	615	8	300	R & R	CX-1	ALLEY BTWN HYDE/CLAU	300 FT E 22ND ST SE	130 FT E FORD ST SE	2065	Salem	\$70,000	8481.9	0
345	616	8	308	R & R	CX-3	ALLEY BTWN 16TH/17TH	HINES ST SE	CROSS ST SE	2075	Salem	\$70,000	8481.9	0
346	617	8	353	R & R	CX-1	ALLEY BTWN HYDE/CLAU	130 FT E FORD ST SE	23RD ST SE	2065	Salem	\$80,000	8481.9	0
347	618	8	403	R & R	CX-1	ALLEY BTWN HYDE/CLAU	23RD ST SE	24TH ST SE	2065	Salem	\$100,000	8481.9	0
348	619	8	156	R & R	CX-1	24TH ST SE	ALLEY BTWN HYDE/CLAU	CLAUDE ST SE	2065	Salem	\$40,000	8481.9	0
349	620	8	339	R & R	CX-1	CLAUDE ST SE	24TH ST SE	25TH ST SE	2065	Salem	\$80,000	8481.9	0
35	315	8	268	R & R	NC-24	ALLEY BTWN LIBERTY/4	RIVER ST NE	270 FT S RIVER ST NE	2005	Salem	\$60,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
350	621	8	310	R & R	CX-1	23RD ST SE	ALLEY BTWN HYDE/CLAU	ALLEY BTWN CLAUDE/AD	2065	Salem	\$70,000	8481.9	0
351	622	8	398	R & R	CX-1	ALLEY BTWN CLAUDE/AD	MISSION ST SE	23RD ST SE	2065	Salem	\$90,000	8481.9	0
352	623	8	350	R & R	CX-1	ALLEY BTWN CLAUDE/AD	23RD ST SE	24TH ST SE	2065	Salem	\$80,000	8481.9	0
353	624	8	157	R & R	CX-1	23RD ST SE	ALLEY BTWN CLAUDE/AD	ADAMS ST SE	2065	Salem	\$40,000	8481.9	0
354	625	8	331	R & R	CX-1	ADAMS ST SE	23RD ST SE	24TH ST SE	2065	Salem	\$80,000	8481.9	0
355	626	8	163	R & R	CX-3	ALLEY BTWN 15TH/16TH	WILBUR ST SE	DEAD END	2075	Salem	\$40,000	8481.9	0
356	627	18	518	R & R	CX-3	16TH ST SE	CROSS ST SE	DEAD END	2075	Salem	\$180,000	8481.9	0
357	628	8	48	R & R	CX-1	23RD ST SE	ADAMS ST SE	ADAMS ST SE	2065	Salem	\$10,000	8481.9	0
358	629	8	362	R & R	CX-2	13TH ST SE	WILBUR ST SE	HOWARD ST SE	2030	Salem	\$90,000	8481.9	0
359	630	8	293	R & R	CX-2	13TH ST SE	HOWARD ST SE	LEWIS ST SE	2030	Salem	\$70,000	8481.9	0
36	316	8	229	R & R	NC-8	ALLEY BTWN HAZEL/LAU	320 FT S ACADEMY ST	LAUREL AV NE	2065	Salem	\$50,000	8481.9	0
360	631	8	269	R & R	BV-4	BELLEVUE ST SE	21ST ST SE	DEAD END	2015	Salem	\$60,000	8481.9	0
361	632	8	484	R & R	BV-6	SIMPSON ST SE	25TH ST SE	UNNAMED RD	2025	Salem	\$110,000	8481.9	0
362	633	8	176	R & R	BV-6	25TH ST SE	SIMPSON ST SE	180 FT N SIMPSON ST	2025	Salem	\$40,000	8481.9	0
363	634	8	229	R & R	BV-6	SIMPSON ST SE	UNNAMED RD	230 FT NE 25TH ST SE	2025	Salem	\$50,000	8481.9	0
364	635	8	169	R & R	BV-6	SIMPSON ST SE	25TH ST SE	170 FT W 25TH ST SE	2025	Salem	\$40,000	8481.9	0
365	636	8	250	R & R	BV-6	SIMPSON ST SE	25TH ST SE	230 FT NE 25TH ST SE	2025	Salem	\$60,000	8481.9	0
366	637	8	243	R & R	BV-6	25TH ST SE	SIMPSON ST SE	LEE ST SE	2025	Salem	\$60,000	8481.9	0
367	638	8	282	R & R	BV-5	25TH ST SE	LEE ST SE	LEE ST SE	2035	Salem	\$70,000	8481.9	0
368	639	8	184	R & R	FN-16	ALLEY BTWN MOUNTAIN	190 FT E SKOPIL AV S	SKOPIL AV S	2050	Salem	\$40,000	8481.9	0
369	640	8	179	R & R	FN-7	LORIDA AV S	SUNRISE AV S	180 FT E SUNRISE AV	2065	Salem	\$40,000	8481.9	0

<i>OPS ID</i>	<i>ML ID</i>	<i>DIA (in)</i>	<i>LENGTH (ft)</i>	<i>PURPOSE</i>	<i>OPS PJ ID</i>	<i>STREET</i>	<i>FROM</i>	<i>TO</i>	<i>YEAR</i>	<i>OWNER</i>	<i>EST COST</i>	<i>ENR</i>	<i>GROWTH %</i>
37	317	8	385	R & R	NC-10	MCCOY AV NE	SUNNYVIEW RD NE	HUNT ST NE	2070	Salem	\$90,000	8481.9	0
370	641	8	46	R & R	FN-7	SKOPIL AV S	LORIDA AV S	LORIDA AV S	2065	Salem	\$10,000	8481.9	0
371	642	8	142	R & R	FN-7	LORIDA AV S	180 FT E SUNRISE AV	SKOPIL AV S	2065	Salem	\$30,000	8481.9	0
372	643	8	178	R & R	FN-7	SUNRISE AV S	LORIDA AV S	180 FT S LORIDA AV S	2065	Salem	\$40,000	8481.9	0
373	644	8	279	R & R	FN-7	ALLEY BTWN SUNRISE/A	SUNRISE AV S	280 FT W SUNRISE AV	2065	Salem	\$70,000	8481.9	0
374	645	8	171	R & R	FN-7	ALLEY BTWN SUNRISE/A	280 FT W SUNRISE AV	BOICE ST S	2065	Salem	\$40,000	8481.9	0
375	646	8	62	R & R	FN-7	BOICE ST S	ALLEY BTWN SUNRISE/A	ALLEY BTWN SUNRISE/A	2065	Salem	\$10,000	8481.9	0
376	647	8	146	R & R	FN-7	BOICE ST S	SUNRISE AV S	150 FT W SUNRISE AV	2065	Salem	\$30,000	8481.9	0
377	648	8	184	R & R	FN-7	SUNRISE AV S	BOICE ST S	190 FT S BOICE ST S	2065	Salem	\$40,000	8481.9	0
378	649	8	222	R & R	FN-7	DOUGHTON ST S	BOICE ST S	CANDALARIA BV S	2065	Salem	\$50,000	8481.9	0
379	650	8	276	R & R	FN-7	ALLEY BTWN SUNRISE/S	BOICE ST S	CANDALARIA BV S	2065	Salem	\$70,000	8481.9	0
38	318	15	323	R & R	EL-6	9TH ST NW	WALLACE RD NW	620 FT W WALLACE RD	2020	Salem	\$110,000	8481.9	0
380	651	8	137	R & R	FN-7	SUNRISE AV S	180 FT W BOICE ST S	320 FT W BOICE ST S	2065	Salem	\$30,000	8481.9	0
381	652	8	289	R & R	FN-17	BEN VISTA DR S	DOUGHTON ST S	350 FT E DOUGHTON ST	2040	Salem	\$70,000	8481.9	0
382	653	8	268	R & R	FN-17	ARGYLE DR S	CANDALARIA BV S	BEN VISTA DR S	2040	Salem	\$60,000	8481.9	0
383	654	8	455	R & R	FN-1	ALLEY BTWN ARGYLE/DO	BEN VISTA DR S	460 FT N BEN VISTA D	2070	Salem	\$110,000	8481.9	0
384	655	8	133	R & R	FN-17	ARGYLE DR S	BEN VISTA DR S	140 FT SE BEN VISTA	2040	Salem	\$30,000	8481.9	0
385	656	8	326	R & R	FN-4	RURAL AV SE	CHURCH ST SE	COTTAGE ST SE	2025	Salem	\$80,000	8481.9	0
386	657	8	158	R & R	FN-4	RURAL AV SE	COTTAGE ST SE	160 FT E COTTAGE ST	2025	Salem	\$40,000	8481.9	0
387	658	10	142	R & R	FN-4	RURAL AV SE	160 FT E COTTAGE ST	WINTER ST SE	2025	Salem	\$40,000	8481.9	0
388	659	8	266	R & R	FN-12	RURAL AV SE	BERRY ST SE	UNIVERSITY ST SE	2030	Salem	\$60,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
389	660	8	89	R & R	FN-12	RURAL AV SE	UNIVERSITY ST SE	90 FT E UNIVERSITY S	2030	Salem	\$20,000	8481.9	0
39	319	15	323	R & R	EL-6	9TH ST NW	620 FT W WALLACE RD	MURLARK AV NW	2020	Salem	\$110,000	8481.9	0
390	661	8	179	R & R	FN-23	SUMMER ST SE	RURAL AV SE	180 FT S RURAL AV SE	2045	Salem	\$40,000	8481.9	0
391	662	8	362	R & R	FN-4	CHURCH ST SE	RURAL AV SE	ELECTRIC ST SE	2025	Salem	\$90,000	8481.9	0
392	663	8	367	R & R	FN-4	COTTAGE ST SE	RURAL AV SE	ELECTRIC ST SE	2025	Salem	\$90,000	8481.9	0
393	664	8	180	R & R	FN-4	ELECTRIC ST SE	COTTAGE ST SE	CHURCH ST SE	2025	Salem	\$40,000	8481.9	0
394	665	8	183	R & R	FN-23	SUMMER ST SE	180 FT S RURAL AV SE	ELECTRIC ST SE	2045	Salem	\$40,000	8481.9	0
395	666	8	350	R & R	FN-12	UNIVERSITY ST SE	RURAL AV SE	350 FT S RURAL AV SE	2030	Salem	\$80,000	8481.9	0
396	667	8	180	R & R	FN-23	SUMMER ST SE	ELECTRIC ST SE	180 FT S ELECTRIC ST	2045	Salem	\$40,000	8481.9	0
397	668	8	258	R & R	FN-4	COTTAGE ST SE	ELECTRIC ST SE	260 FT S ELECTRIC ST	2025	Salem	\$60,000	8481.9	0
398	669	8	306	R & R	FN-2	HOYT ST S	SAGINAW ST S	REX ST S	2045	Salem	\$70,000	8481.9	0
399	670	8	286	R & R	FN-4	HOYT ST S	CHURCH ST SE	CHURCH ST SE	2025	Salem	\$70,000	8481.9	0
4	284	8	398	R & R	WE-2	JACK ST N	DELMAR DR N	STARK ST N	2045	Salem	\$90,000	8481.9	0
40	320	15	360	R & R	EL-6	9TH ST NW	MURLARK AV NW	360 FT W MURLARK AV	2020	Salem	\$120,000	8481.9	0
400	671	8	92	R & R	FN-4	COTTAGE ST SE	HOYT ST S	100 FT N HOYT ST S	2025	Salem	\$20,000	8481.9	0
401	672	8	80	R & R	FN-4	HOYT ST S	COTTAGE ST SE	100 FT E COTTAGE ST	2025	Salem	\$10,000	8481.9	0
402	673	8	353	R & R	FN-12	UNIVERSITY ST SE	350 FT S RURAL AV SE	700 FT S RURAL AV SE	2030	Salem	\$80,000	8481.9	0
403	674	8	151	R & R	FN-4	COTTAGE ST SE	100 FT N HOYT ST S	50 FT N HOYT ST S	2025	Salem	\$40,000	8481.9	0
404	675	8	250	R & R	FN-2	MOUNTAIN VIEW DR S	HOYT ST S	JUDSON ST S	2045	Salem	\$60,000	8481.9	0
405	676	8	238	R & R	FN-2	JUDSON ST S	MOUNTAIN VIEW DR S	240 FT E MOUNTAIN VI	2045	Salem	\$60,000	8481.9	0
406	677	8	259	R & R	FN-2	JUDSON ST S	240 FT E MOUNTAIN VI	REX ST S	2045	Salem	\$60,000	8481.9	0

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407	678	8	281	R & R	FN-2	JUDSON ST S	REX ST S	SAGINAW ST S	2045	Salem	\$70,000	8481.9	0
408	679	8	237	R & R	FN-6	WEST NOB HILL ST SE	JUDSON ST S	HOYT ST S	2040	Salem	\$60,000	8481.9	0
409	680	8	174	R & R	FN-3	WINTER ST SE	JUDSON ST S	180 FT N JUDSON ST S	2035	Salem	\$40,000	8481.9	0
41	321	8	234	R & R	EL-4	ARTHUR WY NW	GERTH ST NW	240 FT W GERTH ST NW	2025	Salem	\$60,000	8481.9	0
410	681	8	206	R & R	FN-2	MOUNTAIN VIEW DR S	JUDSON ST S	200 FT S JUDSON ST S	2045	Salem	\$50,000	8481.9	0
411	682	8	201	R & R	FN-6	ALLEY BTWN W NOB/E N	JUDSON ST S	MCGILCHRIST ST SE	2040	Salem	\$50,000	8481.9	0
412	683	8	205	R & R	FN-6	WEST NOB HILL ST SE	JUDSON ST S	MCGILCHRIST ST SE	2040	Salem	\$50,000	8481.9	0
413	684	8	121	R & R	FN-6	MCGILCHRIST ST SE	WEST NOB HILL ST SE	120 FT W WEST NOB HI	2040	Salem	\$30,000	8481.9	0
414	685	8	266	R & R	FN-6	MCGILCHRIST ST SE	ALLEY BTWN W NOB/E N	120 FT W WEST NOB HI	2040	Salem	\$60,000	8481.9	0
415	686	10	423	R & R	FN-16	MCGILCHRIST ST SE	SAGINAW ST S	430 FT E SAGINAW ST	2050	Salem	\$130,000	8481.9	0
416	687	8	261	R & R	FN-6	EAST NOB HILL ST SE	JUDSON ST S	MCGILCHRIST ST SE	2040	Salem	\$60,000	8481.9	0
417	688	8	122	R & R	FN-6	MCGILCHRIST ST SE	EAST NOB HILL ST SE	EAST NOB HILL ST SE	2040	Salem	\$30,000	8481.9	0
418	689	10	312	R & R	FN-2	SAGINAW ST S	JUDSON ST S	MCGILCHRIST ST SE	2045	Salem	\$90,000	8481.9	0
419	690	10	392	R & R	FN-16	MCGILCHRIST ST SE	SAGINAW ST S	400 FT W SAGINAW ST	2050	Salem	\$120,000	8481.9	0
42	322	12	231	R & R	EL-6	MURLARK AV NW	7TH ST NW	230 FT S 7TH ST NW	2020	Salem	\$70,000	8481.9	0
420	691	10	228	R & R	FN-3	WINTER ST SE	JUDSON ST SE	KUMLER ST SE	2035	Salem	\$70,000	8481.9	0
421	692	8	317	R & R	FN-3	KUMLER ST SE	WINTER ST SE	SUMMER ST SE	2035	Salem	\$80,000	8481.9	0
422	693	8	178	R & R	FN-3	SUMMER ST SE	KUMLER ST SE	GERLEON ST SE	2035	Salem	\$40,000	8481.9	0
423	694	8	238	R & R	FN-6	EAST NOB HILL ST SE	MCGILCHRIST ST SE	OHMART AV SE	2040	Salem	\$60,000	8481.9	0
424	695	8	274	R & R	FN-16	SONORA WY S	200 FT E MOUNTAIN VI	480 FT E MOUNTAIN VI	2050	Salem	\$70,000	8481.9	0
425	696	8	271	R & R	FN-16	SONORA WY S	480 FT E MOUNTAIN VI	BOICE ST S	2050	Salem	\$60,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
426	697	10	222	R & R	FN-3	MCGILCHRIST ST SE	WINTER ST SE	230 FT W WINTER ST S	2035	Salem	\$70,000	8481.9	0
427	698	8	315	R & R	FN-6	SALEM-KEIZER SCHOOL	MCGILCHRIST ST SE	OHMART ST SE	2040	Salem	\$70,000	8481.9	0
428	699	8	244	R & R	FN-22	LOWER BEN LOMOND DR	510 FT E HIGH ST SE	750 FT E HIGH ST SE	2060	Salem	\$60,000	8481.9	0
429	700	8	372	R & R	FN-16	MOUNTAIN VIEW DR S	MCGILCHRIST ST SE	140 FT S SONORA WY S	2050	Salem	\$90,000	8481.9	0
43	323	8	221	R & R	EL-4	ARTHUR WY NW	240 FT W GERTH ST NW	460 FT SW GERTH ST N	2025	Salem	\$50,000	8481.9	0
430	701	8	272	R & R	FN-16	ALLEY BTWN SONORA/BO	MOUNTAIN VIEW DR S	270 FT E MOUNTAIN VI	2050	Salem	\$60,000	8481.9	0
431	702	8	304	R & R	FN-13	MCGILCHRIST ST SE	SUMMER ST SE	310 FT E SUMMER ST S	2010	Salem	\$70,000	8481.9	0
432	703	8	256	R & R	FN-6	EAST NOB HILL ST SE	OHMART AV SE	260 FT S OHMART AV S	2040	Salem	\$60,000	8481.9	0
433	704	8	90	R & R	FN-5	ALLEY BTWN WILDWIND/	535 WALDO AV SE	535 WALDO AV SE	2010	Salem	\$20,000	8481.9	0
434	705	8	140	R & R	FN-13	WINTER ST SE	WILDWIND DR SE	DEAD END	2010	Salem	\$30,000	8481.9	0
435	706	10	104	R & R	FN-13	WILDWIND DR SE	WINTER ST SE	110 FT W WINTER ST S	2010	Salem	\$30,000	8481.9	0
436	707	10	377	R & R	FN-13	SUMMER ST SE	MCGILCHRIST ST SE	WILDWIND DR SE	2010	Salem	\$110,000	8481.9	0
437	708	10	236	R & R	FN-13	MCGILCHRIST ST SE	SUMMER ST SE	WINTER ST SE	2010	Salem	\$70,000	8481.9	0
438	709	8	120	R & R	FN-5	ALLEY BTWN WILDWIND/	655 WALDO AV SE	555 WALDO AV SE	2010	Salem	\$30,000	8481.9	0
439	710	8	120	R & R	FN-5	820 WILDWIND DR SE	WILDWIND DR SE	820 WILDWIND DR SE	2010	Salem	\$30,000	8481.9	0
44	324	12	312	R & R	EL-6	MURLARK AV NW	9TH ST NW	7TH ST NW	2020	Salem	\$90,000	8481.9	0
440	711	8	124	R & R	FN-13	SUMMER ST SE	WILDWIND DR SE	CEDAR WY SE	2010	Salem	\$30,000	8481.9	0
441	712	8	176	R & R	FN-13	CEDAR WY SE	SUMMER ST SE	180 FT E SUMMER ST S	2010	Salem	\$40,000	8481.9	0
442	713	8	140	R & R	FN-5	797 WALDO AV SE	WALDO AV SE	797 WALDO AV SE	2010	Salem	\$30,000	8481.9	0
443	714	8	203	R & R	FN-13	SUMMER ST SE	CEDAR WY SE	210 FT S CEDAR WY SE	2010	Salem	\$50,000	8481.9	0
444	715	8	158	R & R	CX-2	13TH ST SE	RURAL AV SE	160 FT N RURAL AV SE	2030	Salem	\$40,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
445	716	8	362	R & R	CX-2	13TH ST SE	RURAL AV SE	370 FT S RURAL AV SE	2030	Salem	\$90,000	8481.9	0
446	717	8	426	R & R	CX-4	ELECTRIC ST SE	FORD ST SE	23RD ST SE	2065	Salem	\$100,000	8481.9	0
447	718	8	250	R & R	CX-4	ELECTRIC ST SE	23RD ST SE	DEAD END	2065	Salem	\$60,000	8481.9	0
448	719	8	302	R & R	CX-2	13TH ST SE	370 FT S RURAL AV SE	680 FT S RURAL AV SE	2030	Salem	\$70,000	8481.9	0
449	720	8	341	R & R	CX-4	HOYT ST SE	22ND ST SE	23RD ST SE	2065	Salem	\$80,000	8481.9	0
45	325	12	255	R & R	EL-6	MURLARK AV NW	230 FT S 7TH ST NW	490 FT S 7TH ST NW	2020	Salem	\$80,000	8481.9	0
450	721	8	114	R & R	FN-19	2975 COOKE ST S	COOKE ST S	2890 DOUGHTON ST S	2050	Salem	\$30,000	8481.9	0
451	722	8	85	R & R	FN-1	795 BEN VISTA DR S	795 BEN VISTA DR S	795 BEN VISTA DR S	2070	Salem	\$20,000	8481.9	0
452	723	8	187	R & R	FN-20	EARHART ST S	HANSEN AV S	W VISTA AV S	2035	Salem	\$40,000	8481.9	0
453	724	8	186	R & R	FN-20	DOUGHTON ST S	HANSEN AV S	W VISTA AV S	2035	Salem	\$40,000	8481.9	0
454	725	8	230	R & R	FN-20	BTWN GRANADA WY SFEL	MISSOURI AV S	WEST VISTA AV S	2035	Salem	\$50,000	8481.9	0
455	726	8	249	R & R	FN-20	DOUGHTON ST S	MISSOURI AV S	WEST VISTA AV S	2035	Salem	\$60,000	8481.9	0
456	727	8	248	R & R	FN-20	MISSOURI AV S	EARHART ST S	DOUGHTON ST S	2035	Salem	\$60,000	8481.9	0
457	728	8	184	R & R	FN-20	EARHART ST S	MISSOURI AV S	DEAD END	2035	Salem	\$40,000	8481.9	0
458	729	8	55	R & R	FN-20	FELTON ST S	3035 FELTON ST S	3035 FELTON ST S	2035	Salem	\$10,000	8481.9	0
459	730	8	301	R & R	CL-4	WINTER ST SE	2855 WINTER ST SE	2965 WINTER ST SE	2075	Salem	\$70,000	8481.9	0
46	279	8	991	PS Elimination	WR-1	KNAPPS PL NE	220 FT E BROADWAY ST	BROADWAY ST NE	2045	Salem	\$180,000	8481.9	0
460	731	8	132	R & R	CL-4	WINTER ST SE	2965 WINTER ST SE	VISTA AV SE	2075	Salem	\$30,000	8481.9	0
461	732	10	101	R & R	FN-21	MISSOURI AV S	134 MISSOURI AV S	260 - 296 MISSOURI	2055	Salem	\$30,000	8481.9	0
462	733	10	127	R & R	FN-21	MISSOURI AV S	134 MISSOURI AV S	134 MISSOURI AV S	2055	Salem	\$40,000	8481.9	0
463	734	8	178	R & R	CL-4	BTWN CHURCH/HIGH ST	CHURCH ST SE	600 FAIRVIEW AV SE	2075	Salem	\$40,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
464	735	8	315	R & R	PC-2	MADRONA AV SE	PIONEER DR SE	PECK AV SE	2055	Salem	\$70,000	8481.9	0
465	736	8	328	R & R	PC-2	HULSEY AV SE	MADRONA AV SE	MADER AV SE	2055	Salem	\$80,000	8481.9	0
466	737	8	277	R & R	PC-2	MADER AV SE	HULSEY AV SE	PIONEER DR SE	2055	Salem	\$70,000	8481.9	0
467	738	8	103	R & R	PC-2	MADER AV SE	933 MADER AV SE	933 MADER AV SE	2055	Salem	\$20,000	8481.9	0
468	739	8	211	R & R	PC-2	MADER AV SE	HULSEY AV SE	PIONEER DR SE	2055	Salem	\$50,000	8481.9	0
469	740	8	177	R & R	PC-2	PECK AV SE	MADER AV SE	MADRONA AV SE	2055	Salem	\$40,000	8481.9	0
47	278	8	991	PS Elimination	WR-1	KNAPPS PL NE	MILL CREEK	220 FT E BROADWAY ST	2045	Salem	\$180,000	8481.9	0
470	741	8	385	R & R	PC-2	MADER AV SE	PECK AV SE	933 MADER AV SE	2055	Salem	\$90,000	8481.9	0
471	742	8	137	R & R	PC-2	PIONEER DR SE	MADER AV SE	3563 PIONEER DR SE	2055	Salem	\$30,000	8481.9	0
472	743	8	162	R & R	PC-2	BTWN PIONEER/HULSEY	REDHILL DR SE	3564 PIONEER DR SE	2055	Salem	\$40,000	8481.9	0
473	744	8	317	R & R	PC-2	HULSEY AV SE	REDHILL DR SE	MADER AV SE	2055	Salem	\$80,000	8481.9	0
474	745	8	150	R & R	PC-2	REDHILL DR SE	HULSEY AV SE	150 FT W HULSEY AV S	2055	Salem	\$40,000	8481.9	0
475	746	8	110	R & R	PC-2	BTWN HULSEY/PECK AV	REDHILL DR SE	3566 HULSEY AV SE	2055	Salem	\$30,000	8481.9	0
476	747	8	130	R & R	PC-2	REDHILL DR SE	HULSEY AV SE	130 FT E HULSEY AV S	2055	Salem	\$30,000	8481.9	0
477	748	8	197	R & R	PC-2	PIONEER DR SE	REDHILL DR SE	200 FT N REDHILL DR	2055	Salem	\$50,000	8481.9	0
478	749	8	181	R & R	PC-2	REDHILL DR SE	PIONEER DR SE	190 FT W PIONEER DR	2055	Salem	\$40,000	8481.9	0
479	750	8	151	R & R	PC-2	REDHILL DR SE	130 FT E HULSEY AV S	280 FT E HULSEY AV S	2055	Salem	\$40,000	8481.9	0
48	326	8	175	R & R	WR-1	ALLEY BTWN HIGH ST N	KNAPPS PL NE	WILLOW ST NE	2045	Salem	\$40,000	8481.9	0
480	751	8	316	R & R	PC-2	PECK AV SE	REDHILL DR SE	MADER AV SE	2055	Salem	\$70,000	8481.9	0
481	752	8	248	R & R	PC-2	REDHILL DR SE	PECK AV SE	250 FT W PECK AV SE	2055	Salem	\$60,000	8481.9	0
482	753	8	223	R & R	PC-2	BTWN PIONEER/HULSEY	REDHILL DR SE	3674 PIONEER DR SE	2055	Salem	\$50,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
483	754	8	229	R & R	PC-2	HULSEY AV SE	REDHILL DR SE	230 FT S REDHILL DR	2055	Salem	\$50,000	8481.9	0
484	755	8	295	R & R	PC-2	BTWN HULSEY/PECK AV	REDHILL DR SE	300 FT S REDHILL DR	2055	Salem	\$70,000	8481.9	0
485	756	8	365	R & R	PC-2	PIONEER DR SE	REDHILL DR SE	HARRIS AV SE	2055	Salem	\$90,000	8481.9	0
486	757	8	151	R & R	PC-2	HARRIS AV SE	PIONEER DR SE	160 FT E PIONEER DR	2055	Salem	\$40,000	8481.9	0
487	758	8	278	R & R	PC-2	HARRIS AV SE	160 FT E PIONEER DR	130 FT E HULSEY AV S	2055	Salem	\$70,000	8481.9	0
488	759	8	160	R & R	PC-2	HARRIS AV SE	130 FT E HULSEY AV S	290 FT E HULSEY AV S	2055	Salem	\$40,000	8481.9	0
489	760	8	409	R & R	PC-2	PECK AV SE	REDHILL DR SE	HARRIS AV SE	2055	Salem	\$100,000	8481.9	0
49	275	10	743	PS Elimination	WR-3	ALLEY BTWN FRONT & C	DIVISION ST NE	280 FT NE DIVISION S	2005	Salem	\$220,000	8481.9	0
490	761	8	239	R & R	PC-2	HARRIS AV SE	290 FT E HULSEY AV S	PECK AV SE	2055	Salem	\$60,000	8481.9	0
491	762	8	274	R & R	PC-2	HARRIS AV SE	PECK AV SE	SHORT ST SE	2055	Salem	\$70,000	8481.9	0
492	763	10	303	R & R	CL-2	ROSELLE AV SE	IDELL CT SE	CHASE AV SE	2075	Salem	\$90,000	8481.9	0
493	764	8	187	R & R	CL-2	BTWN CHASE/FRIENDSHI	CHASE AV SE	190 FT SW CHASE AV S	2075	Salem	\$40,000	8481.9	0
494	765	8	33	R & R	CL-2	BTWN CHASE/FRIENDSHI	190 FT SW CHASE AV S	230 FT SW CHASE AV S	2075	Salem	\$10,000	8481.9	0
495	766	8	439	R & R	CL-2	CHASE AV SE	ROSELLE AV SE	PULLMAN AV SE	2075	Salem	\$100,000	8481.9	0
496	767	8	130	R & R	CL-2	BTWN CHASE/FRIENDSHI	230 FT SW CHASE AV S	FRIENDSHIP AV SE	2075	Salem	\$30,000	8481.9	0
497	768	8	280	R & R	CL-2	FRIENDSHIP AV SE	90 FT SE LIBERTY RD	370 FT SE LIBERTY RD	2075	Salem	\$70,000	8481.9	0
498	769	8	115	R & R	CL-2	BTWN CHASE/FRIENDSHI	CHASE AV SE	4183 PULLMAN AV SE	2075	Salem	\$30,000	8481.9	0
499	770	8	256	R & R	CL-2	FRIENDSHIP AV SE	PAULINE AV SE	NINA AV SE	2075	Salem	\$60,000	8481.9	0
5	285	10	299	R & R	WE-2	DELMAR DR N	250 FT E WILLAMETTE	JACK ST N	2045	Salem	\$90,000	8481.9	0
50	327	8	194	R & R	NC-10	ERIXON ST NE	MCCOY AV NE	200 FT NW MCCOY AV N	2070	Salem	\$50,000	8481.9	0
500	771	8	180	R & R	CL-2	MIZE RD SE	120 FT SE LIBERTY RD	300 FT SE LIBERTY RD	2075	Salem	\$40,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
501	772	8	216	R & R	CL-2	PAULINE AV SE	FRIENDSHIP AV SE	MIZE RD SE	2075	Salem	\$50,000	8481.9	0
502	773	8	479	R & R	CL-2	MIZE RD SE	300 FT SE LIBERTY RD	LILLY AV SE	2075	Salem	\$110,000	8481.9	0
503	774	8	500	R & R	CL-2	MIZE RD SE	LILLY AV SE	NINA AV SE	2075	Salem	\$120,000	8481.9	0
504	775	8	304	R & R	CL-2	MIZE RD SE	NINA AV SE	PULLMAN AV SE	2075	Salem	\$70,000	8481.9	0
505	776	8	325	R & R	CL-2	FRIENDSHIP AV SE	370 FT SE LIBERTY RD	LILLY AV SE	2075	Salem	\$80,000	8481.9	0
506	777	8	267	R & R	CL-2	FRIENDSHIP AV SE	LILLY AV SE	PAULINE AV SE	2075	Salem	\$60,000	8481.9	0
507	778	8	337	R & R	CL-2	LILLY AV SE	LILLY AV SE	MIZE RD SE	2075	Salem	\$80,000	8481.9	0
508	779	8	239	R & R	PC-1	SKYLINE RD S	KUEBLER BV S	240 FT SE KUEBLER BV	2060	Salem	\$60,000	8481.9	0
509	780	8	246	R & R	PC-1	5060 10TH PL S	LIBERTY RD S	10TH PL S	2060	Salem	\$60,000	8481.9	0
51	328	8	299	R & R	NC-10	WARNER ST NE	HUNT ST NE	300 FT S HUNT ST NE	2070	Salem	\$70,000	8481.9	0
510	781	8	492	R & R	PC-1	LIBERTY RD S	KUEBLER BV S	KASHMIR DR S	2060	Salem	\$120,000	8481.9	0
511	782	8	322	R & R	PC-1	CROWLEY AV SE	COMMERCIAL ST SE	330 FT E COMMERCIAL	2060	Salem	\$80,000	8481.9	0
512	783	8	281	R & R	PC-1	CROWLEY AV SE	330 FT E COMMERCIAL	610 FT E COMMERCIAL	2060	Salem	\$70,000	8481.9	0
513	784	8	202	R & R	PC-1	CROWLEY AV SE	610 FT E COMMERCIAL	CHAPARRAL DR SE	2060	Salem	\$50,000	8481.9	0
514	785	8	151	R & R	PC-1	BTWN KEVIN/KHARTOUM	396 KEVIN CT SE	395 KEVIN CT SE	2060	Salem	\$40,000	8481.9	0
515	786	8	347	R & R	PC-1	KEVIN CT SE	610 FT E KHARTOUM ST	399 KEVIN CT SE	2060	Salem	\$80,000	8481.9	0
516	787	8	358	R & R	CX-3	BTWN 15TH/16TH ST SE	CROSS ST SE	WILBUR ST SE	2075	Salem	\$80,000	8481.9	0
517	788	10	309	R & R	WE-2	DELMAR DR N	JACK ST N	310 FT E JACK ST N	2045	Salem	\$90,000	8481.9	0
518	789	8	143	R & R	EB-13	21ST ST NE	590 FT S MARKET ST N	740 FT S MARKET ST N	2015	Salem	\$30,000	8481.9	0
519	790	10	16	R & R	EL-6	MURLARK AV NW	BASSETT ST NW	BASSETT ST NW	2020	Salem	\$10,000	8481.9	0
52	329	8	344	R & R	NC-10	MADISON ST NE	MCCOY AV NE	CAPITOL ST NE	2070	Salem	\$80,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
520	791	8	16	R & R	FN-1	BTWN ARGYLE/DOUGHTON	2760 ALVARADO TR S	2760 ALVARADO TR S	2070	Salem	\$10,000	8481.9	0
521	792	8	6	R & R	CL-4	CHURCH ST SE	120 FT S FAIRVIEW AV	120 FT S FAIRVIEW AV	2075	Salem	\$10,000	8481.9	0
522	793	8	146	R & R	FN-16	BTWN SKOPIL/MOUNTAIN	MOUNTAIN VIEW DR S	150 FT W MOUNTAIN VI	2050	Salem	\$30,000	8481.9	0
523	794	15	385	R & R	WR-4	BTWN WILLAMETTE R/FR	UNION ST NE	MARION ST NE	2005	Salem	\$130,000	8481.9	0
524	795	8	210	R & R	FN-11	WASHINGTON ST S	JOHN ST S	DEAD END	2060	Salem	\$50,000	8481.9	0
525	796	8	222	R & R	EL-4	KINGWOOD TERRACES.	ARTHUR WY NW	230 FT NW ARTHUR WY	2025	Salem	\$50,000	8481.9	0
526	797	8	23	R & R	EB-6	BTWN GARNET/13TH ST	150 FT S NEBRASKA AV	150 FT S NEBRASKA AV	2025	Salem	\$10,000	8481.9	0
527	798	8	200	R & R	FN-16	BTWN SKOPIL/MOUNTAIN	2495 MOUNTAIN VIEW D	2555 MOUNTAIN VIEW D	2050	Salem	\$50,000	8481.9	0
528	799	8	493	R & R	FN-23	ELECTRIC ST SE	YEW ST SE	BERRY ST SE	2045	Salem	\$120,000	8481.9	0
529	800	8	55	R & R	FN-20	FELTON ST S	3030 FELTON ST S	3030 FELTON ST S	2035	Salem	\$10,000	8481.9	0
53	330	8	275	R & R	NC-10	MADISON ST NE	MCCOY AV NE	280FT SE MCCOY AV NE	2070	Salem	\$70,000	8481.9	0
530	801	8	35	R & R	FN-20	FELTON ST S	3075 FELTON ST S	3075 FELTON ST S	2035	Salem	\$10,000	8481.9	0
531	802	8	163	R & R	FN-20	BTWN GRANADA/FELTON	850 HANSEN AV S	3080 GRANADA WY S	2035	Salem	\$40,000	8481.9	0
532	803	8	377	R & R	FN-18	GRANADA WY S	80 FT S HANSEN AV S	460 FT S/HANSEN AV S	2065	Salem	\$90,000	8481.9	0
533	804	8	88	R & R	CL-4	CHURCH ST SE	100 FT S FAIRVIEW AV	720 FAIRVIEW AV SE	2075	Salem	\$20,000	8481.9	0
534	805	8	448	R & R	EM-2	17TH ST NE	CENTER ST NE	WINONA CT NE	2035	Salem	\$110,000	8481.9	0
535	806	10	240	R & R	BS-7	ROSE ST NE	HAYDEN AV NE	240 FT NE HAYDEN AV	2060	Salem	\$70,000	8481.9	0
536	807	8	439	R & R	BV-6	TRADE ST SE	24TH ST SE	25TH ST SE	2025	Salem	\$100,000	8481.9	0
537	808	8	403	R & R	NC-22	ALLEY BTW MADISON/JE	410 FT SE 15TH ST NE	410 FT SE 15TH ST NE	2070	Salem	\$100,000	8481.9	0
538	809	8	384	R & R	EB-10	ALLEY BTWN 17TH/18TH	KAY ST NE	360 FT NE NEBRASKA A	2015	Salem	\$90,000	8481.9	0
539	810	8	318	R & R	BS-7	23RD ST NE	HAYDEN AV NE	320 NE HAYDEN AV NE	2060	Salem	\$80,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
54	331	8	445	R & R	NC-20	ALLEY BTWN JEFFERSON	WINTER ST NE	SUMMER ST NE	2075	Salem	\$110,000	8481.9	0
540	811	8	441	R & R	BS-7	24TH ST NE	HAYDEN AV NE	CENTER ST NE	2060	Salem	\$100,000	8481.9	0
541	812	8	342	R & R	BV-6	24TH ST SE	TRADE ST SE	130 FT S MILL ST SE	2025	Salem	\$80,000	8481.9	0
542	813	8	528	R & R	BV-6	25TH ST SE	TRADE ST SE	530 FT S TRADE ST SE	2025	Salem	\$130,000	8481.9	0
543	814	8	409	R & R	FN-12	OXFORD ST SE	BERRY ST SE	12TH ST SE	2030	Salem	\$100,000	8481.9	0
544	815	8	223	R & R	PC-1	KHARTOUM ST SE	140 FT W LONE OAK RD	100 FT W KHYBER AV S	2060	Salem	\$50,000	8481.9	0
545	816	8	139	R & R	PC-1	BTWN KEVIN/KHARTOUM	395 KEVIN CT SE	KHARTOUM ST SE	2060	Salem	\$30,000	8481.9	0
546	817	8	14	R & R	EB-4	HOOD ST NE	955 HOOD ST NE	955 HOOD ST NE	2004	Salem	\$10,000	8481.9	0
547	818	8	36	R & R	EB-12	19TH ST NE	1345 19TH ST NE	1345 19TH ST NE	2040	Salem	\$10,000	8481.9	0
548	819	8	9	R & R	EB-8	ALLEY BTWN 14TH/15TH	360 FT SW NEBRASKA A	360 FT SW NEBRASKA A	2025	Salem	\$10,000	8481.9	0
549	820	8	18	R & R	DS-10	30TH AV NE	TESS AV NE	TESS AV NE	2060	Salem	\$10,000	8481.9	0
55	332	8	450	R & R	NC-20	ALLEY BTWN JEFFERSON	SUMMER ST NE	CAPITOL ST NE	2075	Salem	\$110,000	8481.9	0
550	821	8	24	R & R	EM-2	18TH ST NE	MILL CREEK	MILL CREEK	2035	Salem	\$10,000	8481.9	0
551	822	8	22	R & R	BS-5	BREYMAN ST NE	ALLEY BTWN 23RD/24TH	ALLEY BTWN 23RD/24TH	2005	Salem	\$10,000	8481.9	0
552	823	8	23	R & R	FN-11	WASHINGTON ST S	JOHN ST S	JOHN ST S	2060	Salem	\$10,000	8481.9	0
553	824	8	18	R & R	FN-15	LEFFELLE ST S	ALLEY BTWN FIR/SAGIN	ALLEY BTWN FIR/SAGIN	2055	Salem	\$10,000	8481.9	0
554	825	12	23	R & R	FN-25	CAPITOL ST SE	OXFORD ST SE	OXFORD ST SE	2030	Salem	\$10,000	8481.9	0
555	826	8	18	R & R	FN-12	OXFORD ST SE	100 FT W 12ST ST SE	100 FT W 12ST ST SE	2030	Salem	\$10,000	8481.9	0
556	827	8	385	R & R	FN-22	LOWER BEN LOMOND DR	750 FT SE HIGH ST SE	1090 FTS E HIGH ST S	2060	Salem	\$90,000	8481.9	0
557	828	24	309	R & R	NC-15	LIBERTY ST NE	SHIPPING ST NE	NORWAY ST NE	2005	Salem	\$140,000	8481.9	0
558	829	8	167	R & R	EL-4	ARTHUR WY NW	9TH ST NW	170 FT NE 9TH ST NW	2025	Salem	\$40,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
559	830	8	269	R & R	FN-24	HOWARD ST SE	BERRY ST SE	DEAD END	2050	Salem	\$60,000	8481.9	0
56	333	8	288	R & R	NC-22	ALLEY BTW MADISON/JE	BAKER ST NE	290 FT SE BAKER ST N	2070	Salem	\$70,000	8481.9	0
560	831	10	259	R & R	FN-2	JUDSON ST S	COMMERCIAL ST SE	SAGINAW ST S	2045	Salem	\$80,000	8481.9	0
561	832	8	299	R & R	FN-16	SAGINAW ST S	MCGILCHRIST ST S	SONORA WY S	2050	Salem	\$70,000	8481.9	0
562	833	8	250	R & R	FN-5	WILDWIND DR SE	450 FT E HIGH ST SE	700 FT E HIGH ST SE	2010	Salem	\$60,000	8481.9	0
563	834	8	357	R & R	FN-5	WILDWIND DR SE	700 FT E HIGH ST SE	1060 FT E HIGH ST SE	2010	Salem	\$80,000	8481.9	0
564	835	8	210	R & R	FN-18	HOLIDAY DR S	HOLIDAY CT S	210 FT S HOLIDAY CT	2065	Salem	\$50,000	8481.9	0
565	836	10	280	R & R	FN-21	MISSOURI AV S	460 FT NW LIBERTY RD	740 FT NW LIBERTY RD	2055	Salem	\$80,000	8481.9	0
566	837	8	220	R & R	FN-24	BTWN LEFFELLE/CROSS	YEW ST SE	BERRY ST SE	2050	Salem	\$50,000	8481.9	0
567	838	8	321	R & R	BV-4	20TH ST SE	BELLEVUE ST SE	OAK ST SE	2015	Salem	\$80,000	8481.9	0
568	839	8	122	R & R	BV-5	SHELTON ST SE	FORD ST SE	DEAD END	2035	Salem	\$30,000	8481.9	0
569	840	8	418	R & R	BV-7	LEE ST SE	12TH ST SE	DEAD END	2015	Salem	\$100,000	8481.9	0
57	334	8	331	R & R	NC-20	ALLEY BTWN JEFFERSON	CAPITOL ST NE	MCCOY AV NE	2075	Salem	\$80,000	8481.9	0
570	841	8	302	R & R	BV-7	HINES ST SE	12TH ST SE	300 FT W 12TH ST SE	2015	Salem	\$70,000	8481.9	0
571	842	8	352	R & R	BV-7	12TH ST SE	WALLER ST SE	HINES ST SE	2015	Salem	\$80,000	8481.9	0
572	843	8	362	R & R	BV-7	12TH ST SE	WALLER ST SE	LEE ST SE	2015	Salem	\$90,000	8481.9	0
573	844	8	331	R & R	EL-4	ARTHUR WY NW	8TH ST NW	9TH ST NW	2025	Salem	\$80,000	8481.9	0
574	845	8	208	R & R	FN-11	LUTHER ST S	JOHN ST S	210 FT E JOHN ST S	2060	Salem	\$50,000	8481.9	0
575	846	8	325	R & R	BV-7	WALLER ST SE	12TH ST SE	330 FT W 12TH ST SE	2015	Salem	\$80,000	8481.9	0
576	847	8	341	R & R	WE-1	ALLEY BTWN COMM/FRON	HICKORY ST NE	PINE ST NE	2045	Salem	\$80,000	8481.9	0
577	848	8	13	R & R	BV-1	14TH ST SE	TRADE ST SE	TRADE ST SE	2015	Salem	\$10,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
578	849	8	21	R & R	EB-4	ALLEY BTWN SUMMER/CA	SHIPPING ST NE	SHIPPING ST NE	2004	Salem	\$10,000	8481.9	0
579	850	8	393	R & R	WE-2	STARK ST N	170 FT W RIVER RD N	560 FT W RIVER RD N	2045	Salem	\$90,000	8481.9	0
58	335	8	286	R & R	NC-22	ALLEY BTW MADISON/JE	290 FT SE BAKER ST N	15TH ST NE	2070	Salem	\$70,000	8481.9	0
580	851	8	322	R & R	PC-1	CROWLEY AV SE	CHAPARRAL DR SE	DEAD END	2060	Salem	\$80,000	8481.9	0
581	852	8	105	R & R	EB-4	ALLEY BTWN SUMMER/CA	E ST NE	110 FT SW E ST NE	2004	Salem	\$20,000	8481.9	0
582	853	8	140	R & R	EB-4	ALLEY BTWN SUMMER/CA	110 FT SW E ST NE	D ST NE	2004	Salem	\$30,000	8481.9	0
583	854	8	177	R & R	EB-4	ALLEY BTWN SUMMER/CA	110 FT SW E ST NE	ALLEY BTWN SUMMER/CA	2004	Salem	\$40,000	8481.9	0
584	855	8	335	R & R	EM-1	ALLEY BTWN CHURCH/CO	300 FT NE UNION ST N	MILL CREEK	2040	Salem	\$80,000	8481.9	0
585	856	10	386	R & R	BV-1	CITY OF SALEM	MILL ST SE	BELLEVUE ST SE	2015	Salem	\$110,000	8481.9	0
586	857	10	352	R & R	BV-1	15TH ST SE	MILL ST SE	TRADE ST SE	2015	Salem	\$100,000	8481.9	0
587	858	8	288	R & R	FN-25	BTWN YEW ST SE/CLARK	12943	RURAL AV SE	2030	Salem	\$70,000	8481.9	0
588	859	8	382	R & R	EM-1	ALLEY BTWN WINTER/CO	320 FT NE UNION ST N	MILL CREEK	2040	Salem	\$90,000	8481.9	0
589	860	8	164	R & R	DS-2	ELLIS AV NE	270 FT E EVERGREEN A	440 FT E EVERGREEN A	2060	Salem	\$40,000	8481.9	0
59	336	8	370	R & R	NC-20	ALLEY BTWN JEFFERSON	MCCOY AV NE	RAILROAD ROW	2075	Salem	\$90,000	8481.9	0
590	861	8	447	R & R	EM-2	ALLEY BTWN 18TH/19TH	493 19TH ST NE	355 19TH ST NE	2035	Salem	\$110,000	8481.9	0
591	862	8	377	R & R	EM-2	18TH ST NE	MILL CREEK	468 18TH ST NE	2035	Salem	\$90,000	8481.9	0
592	863	8	165	R & R	EC-1	COURT ST NE	18TH ST NE	170 FT NE 18TH ST NE	2075	Salem	\$40,000	8481.9	0
593	864	8	311	R & R	BV-2	21ST ST SE	FERRY ST SE	TRADE ST SE	2020	Salem	\$70,000	8481.9	0
594	865	8	380	R & R	BV-2	20TH ST SE	FERRY ST SE	TRADE ST SE	2020	Salem	\$90,000	8481.9	0
595	866	8	333	R & R	FN-9	ALLEY BTWN FIR/FAIRM	MILLER ST S	WILSON ST S	2075	Salem	\$80,000	8481.9	0
596	867	10	245	R & R	FN-8	LEFFELLE ST SE	COTTAGE ST SE	WINTER ST SE	2055	Salem	\$70,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
597	868	8	232	R & R	FN-8	COTTAGE ST SE	LEFFELLE ST SE	CROSS ST SE	2055	Salem	\$60,000	8481.9	0
598	869	8	154	R & R	FN-8	CROSS ST SE	WINTER ST SE	COTTAGE ST SE	2055	Salem	\$40,000	8481.9	0
599	870	8	280	R & R	FN-8	CROSS ST SE	WINTER ST SE	SUMMER ST SE	2055	Salem	\$70,000	8481.9	0
6	286	8	226	R & R	WE-2	STARK ST N	140 FT E JACK ST N	370 FT E JACK ST N	2045	Salem	\$50,000	8481.9	0
60	337	8	407	R & R	NC-22	ALLEY BTW MADISON/JE	15TH ST NE	410 FT SE 15TH ST NE	2070	Salem	\$100,000	8481.9	0
600	871	10	259	R & R	FN-26	CROSS ST SE	SUMMER ST SE	DAVIDSON ST SE	2050	Salem	\$80,000	8481.9	0
601	872	8	229	R & R	FN-24	WILBUR ST SE	BERRY ST SE	DEAD END	2050	Salem	\$50,000	8481.9	0
602	873	8	359	R & R	CX-2	12TH ST SE	CROSS ST SE	WILBUR ST SE	2030	Salem	\$90,000	8481.9	0
603	874	8	340	R & R	FN-25	YEW ST SE	CROSS ST SE	WILBUR ST SE	2030	Salem	\$80,000	8481.9	0
604	875	8	254	R & R	FN-17	555 BEN VISTA DR S	BEN VISTA DR S	260 FT N BEN VISTA D	2040	Salem	\$60,000	8481.9	0
605	876	8	114	R & R	FN-22	CHURCH ST SE	JUDSON ST SE	120 FT S JUDSON ST S	2060	Salem	\$30,000	8481.9	0
606	877	8	113	R & R	FN-22	CHURCH ST SE	120 FT S JUDSON ST S	MCGILCHRIST ST SE	2060	Salem	\$30,000	8481.9	0
607	878	8	269	R & R	FN-22	MCGILCHRIST ST SE	CHURCH ST SE	HIGH ST SE	2060	Salem	\$60,000	8481.9	0
608	879	8	164	R & R	FN-22	COTTAGE ST SE	JUDSON ST SE	MCGILCHRIST ST SE	2060	Salem	\$40,000	8481.9	0
609	880	8	166	R & R	CX-2	13TH ST SE	OXFORD ST SE	170 FT S OXFORD ST S	2030	Salem	\$40,000	8481.9	0
61	338	8	370	R & R	NC-11	ALLEY BTWN JEFFERSON	BAKER ST NE	370 FT SE BAKER ST N	2075	Salem	\$90,000	8481.9	0
610	881	8	341	R & R	CX-2	13TH ST SE	OXFORD ST SE	LEWIS ST SE	2030	Salem	\$80,000	8481.9	0
611	882	8	175	R & R	FN-19	COOKE ST S	HANSEN AV S	DEAD END	2050	Salem	\$40,000	8481.9	0
612	883	8	253	R & R	FN-19	HANSEN AV S	COOKE ST S	DOUGHTON ST S	2050	Salem	\$60,000	8481.9	0
613	884	8	251	R & R	FN-20	EARHART ST S	W VISTA AV S	MISSOURI AV S	2035	Salem	\$60,000	8481.9	0
614	885	8	250	R & R	FN-19	BONHAM ST S	W VISTA AV S	MISSOURI AV S	2050	Salem	\$60,000	8481.9	0

<i>OPS ID</i>	<i>ML ID</i>	<i>DIA (in)</i>	<i>LENGTH (ft)</i>	<i>PURPOSE</i>	<i>OPS PJ ID</i>	<i>STREET</i>	<i>FROM</i>	<i>TO</i>	<i>YEAR</i>	<i>OWNER</i>	<i>EST COST</i>	<i>ENR</i>	<i>GROWTH %</i>
615	886	8	23	R & R	FN-18	GRANADA WY S	3210 GRANADA WY S	3210 GRANADA WY S	2065	Salem	\$10,000	8481.9	0
616	887	8	25	R & R	FN-20	FELTON ST S	MISSOURI AV S	MISSOURI AV S	2035	Salem	\$10,000	8481.9	0
617	888	8	227	R & R	FN-20	MISSOURI AV S	FELTON ST S	EARHART ST S	2035	Salem	\$50,000	8481.9	0
618	889	8	157	R & R	FN-20	MISSOURI AV S	FELTON ST S	160 FT W FELTON ST S	2035	Salem	\$40,000	8481.9	0
619	890	8	192	R & R	FN-21	ARGYLE DR S	MISSOURI AV S	KING ST S	2055	Salem	\$50,000	8481.9	0
62	339	8	354	R & R	NC-11	ALLEY BTWN JEFFERSON	370 FT SE BAKER ST N	150 FT SE 15TH ST NE	2075	Salem	\$80,000	8481.9	0
620	891	8	263	R & R	FN-19	BONHAM ST S	HANSEN AV S	W VISTA AV S	2050	Salem	\$60,000	8481.9	0
621	892	8	137	R & R	FN-21	ARGYLE DR S	HANSEN AV S	W VISTA AV S	2055	Salem	\$30,000	8481.9	0
622	893	10	249	R & R	FN-21	MISSOURI AV S	ARGYLE DR S	BONHAM ST S	2055	Salem	\$70,000	8481.9	0
623	894	10	239	R & R	FN-21	MISSOURI AV S	ARGYLE DR S	240 FT E ARGYLE DR S	2055	Salem	\$70,000	8481.9	0
624	895	8	251	R & R	FN-20	MISSOURI AV S	COOKE ST S	BONHAM ST S	2035	Salem	\$60,000	8481.9	0
625	896	15	180	R & R	EB-4	ALLEY BTWN SUMMER/CA	D ST NE	180 FT NE D ST NE	2004	Salem	\$60,000	8481.9	0
626	897	8	394	R & R	EB-2	ALLEY BTWN 12TH/CAPIT	190 FT NE D ST NE	210 FT S NEBRASKA AV	2007	Salem	\$90,000	8481.9	0
627	898	8	299	R & R	EB-11	ALLEY BTWN 19TH/20TH	KANSAS AV NE	NEBRASKA AV NE	2015	Salem	\$70,000	8481.9	0
628	899	8	351	R & R	BV-4	19TH ST SE	BELLEVUE ST SE	OAK ST SE	2015	Salem	\$80,000	8481.9	0
629	900	8	292	R & R	BV-3	RICHMOND ST SE	TRADE ST SE	MILL ST SE	2030	Salem	\$70,000	8481.9	0
63	340	8	31	R & R	EB-1	HOOD ST NE	180 FT SE WINTER ST	180 FT SE WINTER ST	2009	Salem	\$10,000	8481.9	0
630	901	8	302	R & R	BV-3	23RD ST SE	150 FT N MILL ST SE	150 FT S MILL ST SE	2030	Salem	\$70,000	8481.9	0
631	902	8	300	R & R	BV-3	23RD ST SE	150 FT N MILL ST SE	TRADE ST SE	2030	Salem	\$70,000	8481.9	0
632	903	8	237	R & R	DS-2	BTWN LADD/ELLIS AV N	EVERGREEN AV NE	240 FT E EVERGREEN A	2060	Salem	\$60,000	8481.9	0
633	904	8	244	R & R	DS-2	EVERGREEN AV NE	120 FT N LADD AV NE	130 FT S LADD AV NE	2060	Salem	\$60,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
634	905	8	309	R & R	DS-2	BTWN WINDSOR/LADD AV	EVERGREEN AV NE	310 FT E EVERGREEN A	2060	Salem	\$70,000	8481.9	0
635	906	8	153	R & R	DS-2	EVERGREEN AV NE	WINDSOR AV NE	160 FT S WINDSOR AV	2060	Salem	\$40,000	8481.9	0
636	907	8	110	R & R	DS-2	BTWN EVERGREEN/PARK	310 FT E EVERGREEN A	LADD AV NE	2060	Salem	\$30,000	8481.9	0
637	908	8	340	R & R	EM-1	ALLEY BTWN WINTER/CO	MARION ST NE	CENTER ST NE	2040	Salem	\$80,000	8481.9	0
638	909	8	204	R & R	FN-1	BEN VISTA DR S	DOUGHTON ST S	210 FT SW DOUGHTON S	2070	Salem	\$50,000	8481.9	0
639	910	8	297	R & R	FN-1	BEN VISTA DR S	210 FT SW DOUGHTON S	ALVARADO TR S	2070	Salem	\$70,000	8481.9	0
64	341	8	135	R & R	EB-1	HOOD ST NE	WINTER ST NE	180 FT SE WINTER ST	2009	Salem	\$30,000	8481.9	0
640	911	8	260	R & R	FN-1	ALVARADO TR S	BEN VISTA DR S	270 FT N BEN VISTA D	2070	Salem	\$60,000	8481.9	0
641	912	8	365	R & R	EB-8	ALLEY BTWN 14TH/15TH	NEBRASKA AV NE	EAST AV NE	2025	Salem	\$90,000	8481.9	0
642	913	8	310	R & R	EB-9	ALLEY BTWN 16TH/17TH	280 FT S MARKET ST N	590 FT S MARKET ST N	2020	Salem	\$70,000	8481.9	0
643	914	8	470	R & R	NC-10	WARNER ST NE	HUNT ST NE	SUNNYVIEW RD NE	2070	Salem	\$110,000	8481.9	0
644	915	8	298	R & R	EM-2	18TH ST NE	CENTER ST NE	300 FT SW CENTER ST	2035	Salem	\$70,000	8481.9	0
645	916	8	244	R & R	NC-21	BTWN COMMERCIAL/LIBE	NORWAY ST NE	JEFFERSON ST NE	2020	Salem	\$60,000	8481.9	0
646	917	8	343	R & R	NC-21	BTWN COMMERCIAL/LIBE	SHIPPING ST NE	NORWAY ST NE	2020	Salem	\$80,000	8481.9	0
647	918	8	364	R & R	EB-11	D ST NE	120 FT E BREYS AV NE	170 FT E THOMPSON AV	2015	Salem	\$90,000	8481.9	0
648	919	8	210	R & R	DS-12	ILLINOIS AV NE	40 FT S CENTER ST NE	250 FT S CENTER ST N	2075	Salem	\$50,000	8481.9	0
649	274	8	813	PS Elimination	WR-3	ALLEY BTWN FRONT & C	UNION ST NE	DIVISION ST NE	2005	Salem	\$150,000	8481.9	0
65	342	8	374	R & R	NC-20	ALLEY BTWN SHIPPING/	MCCOY AV NE	RAILROAD ROW	2075	Salem	\$90,000	8481.9	0
650	920	8	301	R & R	WR-1	ALLEY BTWN HIGH ST N	KNAPPS PL NE	WILLOW ST NE	2045	Salem	\$70,000	8481.9	0
651	921	8	351	R & R	NC-10	MCCOY AV NE	ERIXON ST NE	HUNT ST NE	2070	Salem	\$80,000	8481.9	0
652	922	12	246	R & R	EL-6	MURLARK AV NW	250 FT NW BASSETT ST	490 FT NW BASSETT ST	2020	Salem	\$70,000	8481.9	0

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653	923	8	236	R & R	FN-10	SUPERIOR ST SE	EAST NOB HILL ST SE	HIGH ST SE	2070	Salem	\$60,000	8481.9	0
654	924	8	74	R & R	FN-10	SUPERIOR ST SE	LIBERTY ST SE	EAST NOB HILL ST SE	2070	Salem	\$10,000	8481.9	0
655	925	12	28	R & R	EL-6	MURLARK AV NW	7TH ST NW	7TH ST NW	2020	Salem	\$10,000	8481.9	0
656	926	8	270	R & R	FN-18	GRANADA WY S	HOLIDAY DR S	270 FT NE HOLIDAY DR	2065	Salem	\$60,000	8481.9	0
657	927	8	175	R & R	FN-18	BTWN DOWNS ST S/HOLI	HOLIDAY DR S	180 FT W HOLIDAY DR	2065	Salem	\$40,000	8481.9	0
658	928	8	159	R & R	FN-18	BTWN HOLIDAY DR S/GR	HOLIDAY DR S	160 FT E HOLIDAY DR	2065	Salem	\$40,000	8481.9	0
659	929	8	92	R & R	FN-18	HOLIDAY DR S	HOLIDAY CT S	100 FT N HOLIDAY CT	2065	Salem	\$20,000	8481.9	0
66	343	8	259	R & R	EB-3	ALLEY BTWN CHURCH/CO	HOOD ST NE	GAINES ST NE	2045	Salem	\$60,000	8481.9	0
660	930	8	367	R & R	FN-18	BTWN HOLIDAY DR S/GR	3055 GRANADA WY S	3225 GRANADA WY S	2065	Salem	\$90,000	8481.9	0
661	931	8	101	R & R	FN-18	GRANADA WY S	270 FT NE HOLIDAY DR	370 FT NE HOLIDAY DR	2065	Salem	\$20,000	8481.9	0
662	932	8	257	R & R	FN-20	FELTON ST S	W VISTA AV S	MISSOURI AV S	2035	Salem	\$60,000	8481.9	0
663	933	8	108	R & R	FN-20	FELTON ST S	MISSOURI AV S	110 FT N MISSOURI AV	2035	Salem	\$30,000	8481.9	0
664	934	8	214	R & R	FN-1	ALLEY BTWN ALVARADO/	ALLEY BTWN ARGYLE/DO	ALVARADO TR S	2070	Salem	\$50,000	8481.9	0
665	935	8	225	R & R	FN-7	ALLEY BTWN SUNRISE/A	280 FT W SUNRISE AV	510 FT W SUNRISE AV	2065	Salem	\$50,000	8481.9	0
666	936	8	125	R & R	EL-4	KINGWOOD TERRACES.	ARTHUR WY NW	130 FT NW ARTHUR WY	2025	Salem	\$30,000	8481.9	0
667	937	8	462	R & R	FN-17	DOUGHTON ST S	CANDALARIA BV S	BEN VISTA DR S	2040	Salem	\$110,000	8481.9	0
668	938	8	351	R & R	FN-19	DOUGHTON ST S	HANSEN AV S	350 FT N HANSEN AV S	2050	Salem	\$80,000	8481.9	0
669	939	8	249	R & R	FN-19	HANSEN AV S	BONHAM ST S	COOKE ST S	2050	Salem	\$60,000	8481.9	0
67	344	10	325	R & R	NC-11	ALLEY BTWN PEARL/NOR	BAKER ST NE	330 FT SE BAKER ST N	2075	Salem	\$100,000	8481.9	0
670	940	8	176	R & R	FN-19	2880 DOUGHTON ST S	2890 DOUGHTON ST S	2880 DOUGHTON ST S	2050	Salem	\$40,000	8481.9	0
671	941	8	386	R & R	FN-17	LINDEN LN S	CANDALARIA BV S	BEN VISTA DR S	2040	Salem	\$90,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
672	942	8	235	R & R	FN-17	BEN VISTA DR S	ARGYLE DR S	240 FT W ARGYLE DR S	2040	Salem	\$60,000	8481.9	0
673	943	8	184	R & R	FN-19	BONHAM ST S	HANSEN AV S	DEAD END	2050	Salem	\$40,000	8481.9	0
674	944	8	245	R & R	FN-21	ARGYLE DR S	W VISTA AV S	MISSOURI AV S	2055	Salem	\$60,000	8481.9	0
675	945	8	345	R & R	FN-17	ARGYLE DR S	HANSEN AV S	350 FT NW HANSEN AV	2040	Salem	\$80,000	8481.9	0
676	946	8	255	R & R	FN-21	BTWN ARGYLE DR S/LIB	MISSOURI AV S	WEST VISTA AV S	2055	Salem	\$60,000	8481.9	0
677	947	8	217	R & R	FN-21	BTWN ARGYLE DR S/LIB	260 - 296 MISSOURI	MERDEL AV S	2055	Salem	\$50,000	8481.9	0
678	948	8	304	R & R	FN-7	LORIDA AV S	SUNRISE AV S	BIRDHILL DR S	2065	Salem	\$70,000	8481.9	0
679	949	8	215	R & R	FN-7	SUNRISE AV S	BOICE ST S	220 FT N BOICE ST S	2065	Salem	\$50,000	8481.9	0
68	345	8	340	R & R	NC-11	ALLEY BTWN JEFFERSON	150 FT SE 15TH ST NE	16TH ST NE	2075	Salem	\$80,000	8481.9	0
680	950	8	261	R & R	FN-7	SKOPIL AV S	LORIDA AV S	BOICE ST S	2065	Salem	\$60,000	8481.9	0
681	951	8	113	R & R	FN-16	BTWN SKOPIL/MOUNTAIN	2555 MOUNTAIN VIEW D	2575 MOUNTAIN VIEW D	2050	Salem	\$30,000	8481.9	0
682	952	8	257	R & R	FN-2	REX ST S	HOYT ST S	JUDSON ST S	2045	Salem	\$60,000	8481.9	0
683	953	8	69	R & R	FN-6	SALEM-KEIZER SCHOOL	OHMART ST SE	70 FT N OHMART ST SE	2040	Salem	\$10,000	8481.9	0
684	954	8	227	R & R	FN-11	BTWN RIO VISTA WY S/	WASHINGTON ST S	230 FT S WASHINGTON	2060	Salem	\$50,000	8481.9	0
685	955	8	356	R & R	FN-15	FIR ST S	LEFFELLE ST S	LINCOLN ST S	2055	Salem	\$80,000	8481.9	0
686	956	8	279	R & R	FN-9	ALLEY BTWN FIR/FAIRM	WILSON ST S	MYERS ST S	2075	Salem	\$70,000	8481.9	0
687	957	8	37	R & R	FN-9	WILSON ST S	ALLEY BTWN FIR/FAIRM	ALLEY BTWN FIR/FAIRM	2075	Salem	\$10,000	8481.9	0
688	958	8	182	R & R	FN-5	BTWN WILDWIND DR SE/	2650 HIGH ST SE	545 WALDO AV SE	2010	Salem	\$40,000	8481.9	0
689	959	8	6	R & R	CL-4	CHURCH ST SE	80 FT S FAIRVIEW AV	80 FT S FAIRVIEW AV	2075	Salem	\$10,000	8481.9	0
69	346	8	221	R & R	EB-4	ALLEY BTWN SUMMER/CA	SHIPPING ST NE	HOOD ST NE	2004	Salem	\$50,000	8481.9	0
690	960	8	402	R & R	FN-5	WALDO AV SE	630 FT SE HIGH ST SE	DEAD END	2010	Salem	\$100,000	8481.9	0

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691	961	8	414	R & R	FN-5	BTWN WILDWIND/WALDO	797 WALDO AV SE	655 WALDO AV SE	2010	Salem	\$100,000	8481.9	0
692	962	8	239	R & R	FN-5	BTWN WILDWIND/WALDO	555 WALDO AV SE	500 WALDO AV SE	2010	Salem	\$60,000	8481.9	0
693	963	8	382	R & R	FN-22	HIGH ST SE	MCGILCHRIST ST SE	OHMART AV SE	2060	Salem	\$90,000	8481.9	0
694	964	8	262	R & R	FN-22	LOWER BEN LOMOND DR	270 FT NE HIGH ST SE	530 FT NE HIGH ST SE	2060	Salem	\$60,000	8481.9	0
695	965	8	177	R & R	FN-3	GERLEON ST SE	SUMMER ST SE	180 FT E SUMMER ST S	2035	Salem	\$40,000	8481.9	0
696	966	8	167	R & R	FN-3	GERLEON ST SE	180 FT E SUMMER ST S	350 FT E SUMMER ST S	2035	Salem	\$40,000	8481.9	0
697	967	8	323	R & R	FN-3	KUMLER ST SE	SUMMER ST SE	GERLEON ST SE	2035	Salem	\$80,000	8481.9	0
698	277	10	743	PS Elimination	WR-3	ALLEY BTWN FRONT & C	130 FT S D ST NE	D ST NE	2005	Salem	\$220,000	8481.9	0
699	968	8	196	R & R	BV-1	14TH ST SE	TRADE ST SE	200 FT SW TRADE ST S	2015	Salem	\$50,000	8481.9	0
7	287	10	402	R & R	WE-2	ALLEY BTWN JACK ST/R	STARK ST N	DELMAR DR N	2045	Salem	\$120,000	8481.9	0
70	347	8	237	R & R	NC-11	ALLEY BTWN PEARL/NOR	330 FT SE BAKER ST N	15TH ST NE	2075	Salem	\$60,000	8481.9	0
700	969	8	217	R & R	BV-1	14TH ST SE	200 FT SW TRADE ST S	MILL ST SE	2015	Salem	\$50,000	8481.9	0
701	970	8	233	R & R	EM-1	ALLEY BTWN WINTER/CO	MARION ST NE	240 FT NE MARION ST	2040	Salem	\$60,000	8481.9	0
702	971	8	271	R & R	EB-6	GARNET ST NE	NEBRASKA AV NE	270 FT SW NEBRASKA A	2025	Salem	\$60,000	8481.9	0
703	972	8	395	R & R	BV-2	20TH ST SE	TRADE ST SE	MILL ST SE	2020	Salem	\$90,000	8481.9	0
704	973	10	359	R & R	BV-3	TRADE ST SE	21ST ST SE	22ND ST SE	2030	Salem	\$110,000	8481.9	0
705	974	8	61	R & R	BV-6	SIMPSON ST SE	25TH ST SE	25TH ST SE	2025	Salem	\$10,000	8481.9	0
706	975	8	33	R & R	EC-1	COURT ST NE	18TH ST NE	18TH ST NE	2075	Salem	\$10,000	8481.9	0
707	976	8	311	R & R	BS-5	ALLEY BTWN 23RD/24TH	300 FT S BREYMAN ST	610 FT S BREYMAN ST	2005	Salem	\$70,000	8481.9	0
708	977	8	292	R & R	BS-5	ALLEY BTWN 23RD/24TH	BREYMAN ST NE	300 FT S BREYMAN ST	2005	Salem	\$70,000	8481.9	0
709	978	8	135	R & R	EC-1	COURT ST NE	250 FT SE 18TH ST NE	MILL CREEK	2075	Salem	\$30,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
71	348	8	205	R & R	EB-4	CAPITOL ST NE	SHIPPING ST NE	HOOD ST NE	2004	Salem	\$50,000	8481.9	0
710	979	8	245	R & R	EB-1	ALLEY BTWN SUMMER/WI	HOOD ST NE	SHIPPING ST NE	2009	Salem	\$60,000	8481.9	0
711	980	8	134	R & R	FN-4	HOYT ST SE	CHURCH ST SE	COTTAGE ST SE	2025	Salem	\$30,000	8481.9	0
712	981	8	27	R & R	BV-1	FERRY ST SE	15TH ST SE	15TH ST SE	2015	Salem	\$10,000	8481.9	0
713	982	10	176	R & R	BV-1	15TH ST SE	FERRY ST SE	180 FT NE FERRY ST S	2015	Salem	\$50,000	8481.9	0
714	983	8	304	R & R	BV-1	FERRY ST SE	15TH ST SE	16TH ST SE	2015	Salem	\$70,000	8481.9	0
715	984	8	210	R & R	WF-1	COMMERCIAL ST SE	BELLEVUE ST SE	210 FT SW BELLEVUE S	2075	Salem	\$50,000	8481.9	0
716	985	8	131	R & R	FN-18	BTWN HOLIDAY DR S/GR	GRANADA WY S	BTWN HOLIDAY DR S/GR	2065	Salem	\$30,000	8481.9	0
717	986	8	16	R & R	FN-18	GRANADA WY S	3225 GRANADA WY S	3210 GRANADA WY S	2065	Salem	\$10,000	8481.9	0
718	987	8	117	R & R	FN-18	BTWN FELTON/GRANADA	GRANADA WY S	MISSOURI AV S	2065	Salem	\$30,000	8481.9	0
719	988	8	475	R & R	FN-1	BTWN BOLTON TR S/ALV	BEN VISTA DR S	480 FT N BEN VISTA D	2070	Salem	\$110,000	8481.9	0
72	349	8	228	R & R	EB-4	HOOD ST NE	CAPITOL ST NE	230 FT NW CAPITOL ST	2004	Salem	\$50,000	8481.9	0
720	989	8	311	R & R	FN-1	ALVARADO TR S	250 FT N BEN VISTA D	570 FT N BEN VISTA D	2070	Salem	\$70,000	8481.9	0
721	990	8	132	R & R	FN-1	BEN VISTA DR S	ALVARADO TR S	PROSPECT PL S	2070	Salem	\$30,000	8481.9	0
722	991	8	61	R & R	FN-1	BEN VISTA DR S	PROSPECT PL S	PROSPECT PL S	2070	Salem	\$10,000	8481.9	0
723	992	8	50	R & R	FN-1	BEN VISTA DR S	785 BEN VISTA DR S	785 BEN VISTA DR S	2070	Salem	\$10,000	8481.9	0
724	993	8	159	R & R	FN-1	BTWN PROSPECT PL S/H	785 BEN VISTA DR S	795 BEN VISTA DR S	2070	Salem	\$40,000	8481.9	0
725	994	8	70	R & R	FN-17	BEN VISTA DR S	DOUGHTON ST S	DOUGHTON ST S	2040	Salem	\$10,000	8481.9	0
726	995	8	35	R & R	FN-2	REX ST S	HOYT ST S	HOYT ST S	2045	Salem	\$10,000	8481.9	0
727	996	8	127	R & R	FN-2	BTWN SAGINAW/COMMERC	HOYT ST S	130 FT S HOYT ST S	2045	Salem	\$30,000	8481.9	0
728	997	8	128	R & R	FN-2	HOYT ST S	COMMERCIAL ST SE	BTWN SAGINAW/COMMERC	2045	Salem	\$30,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
729	998	8	139	R & R	FN-23	SUMMER ST SE	HOYT ST S	140 FT N HOYT ST S	2045	Salem	\$30,000	8481.9	0
73	350	8	113	R & R	NC-11	ALLEY BTWN PEARL/NOR	15TH ST NE	120 FT SE 15TH ST NE	2075	Salem	\$30,000	8481.9	0
730	999	8	214	R & R	FN-3	BTWN JUDSON/MCGILCHR	WINTER ST SE	220 FT W WINTER ST S	2035	Salem	\$50,000	8481.9	0
731	1000	8	139	R & R	FN-22	MCGILCHRIST ST SE	WINTER ST SE	240 FT W WINTER ST S	2060	Salem	\$30,000	8481.9	0
732	1001	10	159	R & R	FN-3	WINTER ST SE	MCGILCHRIST ST SE	KUMLER ST SE	2035	Salem	\$50,000	8481.9	0
733	1002	10	31	R & R	FN-3	WINTER ST SE	KUMLER ST SE	KUMLER ST SE	2035	Salem	\$10,000	8481.9	0
734	1003	10	182	R & R	FN-3	MCGILCHRIST ST SE	WINTER ST SE	190 FT SE WINTER ST	2035	Salem	\$50,000	8481.9	0
735	1004	8	141	R & R	FN-22	MCGILCHRIST ST SE	80 FT SE COTTAGE ST	220 FT SE COTTAGE ST	2060	Salem	\$30,000	8481.9	0
736	1005	8	220	R & R	FN-22	MCGILCHRIST ST SE	150 FT NW COTTAGE ST	80 FT SE COTTAGE ST	2060	Salem	\$50,000	8481.9	0
737	1006	8	161	R & R	FN-22	BTWN MCGILCHRIST/L B	220 FT SE COTTAGE ST	LOWER BEN LOMOND DR	2060	Salem	\$40,000	8481.9	0
738	1007	8	58	R & R	FN-13	MCGILCHRIST ST SE	9TH CT SE	60 FT W 9TH CT SE	2010	Salem	\$10,000	8481.9	0
739	1008	8	81	R & R	FN-13	MCGILCHRIST ST SE	9TH CT SE	80 FT W 9TH CT SE	2010	Salem	\$10,000	8481.9	0
74	351	8	352	R & R	NC-11	ALLEY BTWN JEFFERSON	16TH ST NE	17TH ST NE	2075	Salem	\$80,000	8481.9	0
740	1009	8	136	R & R	FN-13	9TH CT SE	MCGILCHRIST ST SE	DEAD END	2010	Salem	\$30,000	8481.9	0
741	1010	8	409	R & R	FN-13	MCGILCHRIST ST SE	9TH CT SE	DEAD END	2010	Salem	\$100,000	8481.9	0
742	1011	8	260	R & R	FN-5	WILDWIND DR SE	545 WILDWIND DR SE	590 WILDWIND DR SE	2010	Salem	\$60,000	8481.9	0
743	1012	8	356	R & R	FN-5	WALDO AV SE	110 FT E HIGH ST SE	370 FT E HIGH ST SE	2010	Salem	\$80,000	8481.9	0
744	1013	8	191	R & R	FN-5	WALDO AV SE	370 FT E HIGH ST SE	560 FT E HIGH ST SE	2010	Salem	\$50,000	8481.9	0
745	1014	8	186	R & R	FN-20	COOKE ST S	MISSOURI AV S	190 FT S MISSOURI AV	2035	Salem	\$40,000	8481.9	0
746	1015	8	174	R & R	FN-20	FELTON ST S	MISSOURI AV S	DEAD END	2035	Salem	\$40,000	8481.9	0
747	1016	8	130	R & R	FN-18	HOLIDAY DR S	GRANADA WY S	130 FT N GRANADA WY	2065	Salem	\$30,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
748	1017	8	292	R & R	FN-21	ARGYLE DR S	KING ST S	DEAD END	2055	Salem	\$70,000	8481.9	0
749	1018	8	216	R & R	CL-4	CHURCH ST SE	140 FT S FAIRVIEW AV	360 FT S FAIRVIEW AV	2075	Salem	\$50,000	8481.9	0
75	352	8	305	R & R	EB-1	ALLEY BTWN SUMMER/WI	HOOD ST NE	GAINES ST NE	2009	Salem	\$70,000	8481.9	0
750	1019	8	187	R & R	CL-4	CHURCH ST SE	360 FT S FAIRVIEW AV	550 FT S FAIRVIEW AV	2075	Salem	\$40,000	8481.9	0
751	1020	8	169	R & R	CL-4	BTWN CHURCH/COTTAGE	2940 CHURCH ST SE	2910 COTTAGE ST SE	2075	Salem	\$40,000	8481.9	0
752	1021	8	218	R & R	CL-4	COTTAGE ST SE	2910 COTTAGE ST SE	2830 COTTAGE ST SE	2075	Salem	\$50,000	8481.9	0
753	1022	8	301	R & R	CL-4	COTTAGE ST SE	VISTA AV SE	2910 COTTAGE ST SE	2075	Salem	\$70,000	8481.9	0
754	1023	8	124	R & R	CL-4	BTWN COTTAGE/WINTER	2910 COTTAGE ST SE	669 VISTA AV SE	2075	Salem	\$30,000	8481.9	0
755	1024	8	36	R & R	CL-4	BTWN COTTAGE/WINTER	669 VISTA AV SE	669 VISTA AV SE	2075	Salem	\$10,000	8481.9	0
756	1025	12	221	R & R	FN-21	MISSOURI AV S	LIBERTY RD S	220 FT NW LIBERTY RD	2055	Salem	\$70,000	8481.9	0
757	1026	8	43	R & R	PC-2	HARRIS AV SE	SHORT ST SE	SHORT ST SE	2055	Salem	\$10,000	8481.9	0
758	1027	8	353	R & R	BV-9	OAK ST SE	UNIVERSITY ST SE	12TH ST SE	2020	Salem	\$80,000	8481.9	0
759	1028	8	419	R & R	CX-4	HOYT ST SE	22ND ST SE	23RD ST SE	2065	Salem	\$100,000	8481.9	0
76	353	8	329	R & R	EB-3	ALLEY BTWN CHURCH/CO	GAINES ST NE	MARKET ST NE	2045	Salem	\$80,000	8481.9	0
760	1029	8	424	R & R	CX-4	ELECTRIC ST SE	22ND ST SE	FORD ST SE	2065	Salem	\$100,000	8481.9	0
761	1030	8	241	R & R	NC-17	ALLEY BTWN 5TH/CHURC	HICKORY ST NE	LOCUST ST NE	2075	Salem	\$60,000	8481.9	0
762	1031	8	277	R & R	BV-1	MILL ST SE	15TH ST SE	STRAND AV SE	2015	Salem	\$70,000	8481.9	0
763	1032	8	17	R & R	EM-1	ALLEY BTWN CHURCH/CO	CENTER ST NE	CENTER ST NE	2040	Salem	\$10,000	8481.9	0
764	1033	8	255	R & R	DS-6	ALLEY BTWN OLIVE/MAR	CALMAR CT NE	16TH ST NE	2004	Salem	\$60,000	8481.9	0
765	1034	15	364	R & R	EB-4	ALLEY BTWN SUMMER/CA	925 D ST NE	945 E ST NE	2004	Salem	\$120,000	8481.9	0
766	1035	8	222	R & R	FN-17	CANDALARIA BV S	DOUGHTON ST S	ALVARADO TR S	2040	Salem	\$50,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
767	1036	8	363	R & R	FN-4	CHURCH ST SE	ELECTRIC ST SE	HOYT ST SE	2025	Salem	\$90,000	8481.9	0
768	1037	8	399	R & R	BV-1	16TH ST SE	TRADE ST SE	MILL ST SE	2015	Salem	\$90,000	8481.9	0
769	1038	8	399	R & R	BV-1	16TH ST SE	MILL ST SE	BELLEVUE ST SE	2015	Salem	\$90,000	8481.9	0
77	354	8	352	R & R	NC-11	ALLEY BTWN PEARL/NOR	140 FT SE 15TH ST NE	490 FT SE 15TH ST NE	2075	Salem	\$80,000	8481.9	0
770	1039	8	189	R & R	BV-6	24TH ST SE	TRADE ST SE	TRADE ST SE	2025	Salem	\$40,000	8481.9	0
771	1040	10	25	R & R	BV-1	BELLEVUE ST SE	15TH ST SE	15TH ST SE	2015	Salem	\$10,000	8481.9	0
772	1041	10	297	R & R	CL-2	CHASE AV SE	430 FT SE LIBERTY RD	ROSELLE AV SE	2075	Salem	\$90,000	8481.9	0
773	1042	10	51	R & R	CL-2	CHASE AV SE	380 FT SE LIBERTY RD	430 FT SE LIBERTY RD	2075	Salem	\$10,000	8481.9	0
774	1043	8	220	R & R	EM-1	ALLEY BTWN WINTER/CO	240 FT NE MARION ST	UNION ST NE	2040	Salem	\$50,000	8481.9	0
775	1044	8	267	R & R	FN-24	CROSS ST SE	YEW ST SE	BERRY ST SE	2050	Salem	\$60,000	8481.9	0
776	1045	24	15	R & R	NC-15	LIBERTY ST NE	SHIPPING ST NE	SHIPPING ST NE	2005	Salem	\$10,000	8481.9	0
777	1046	8	173	R & R	BS-8	GREAR ST NE	MEDICAL CENTER DR NE	180 FT W MEDICAL CEN	2020	Salem	\$40,000	8481.9	0
778	1047	8	26	R & R	BS-8	GREAR ST NE	MEDICAL CENTER DR NE	SALEM HOSPITAL FACIL	2020	Salem	\$10,000	8481.9	0
779	1048	8	141	R & R	FN-2	SAGINAW ST S	HOYT ST S	110 FT N JUDSON ST S	2045	Salem	\$30,000	8481.9	0
78	355	8	94	R & R	NC-11	ALLEY BTWN PEARL/NOR	490 FT SE 15TH ST NE	16TH ST NE	2075	Salem	\$20,000	8481.9	0
780	1049	8	110	R & R	FN-2	SAGINAW ST S	JUDSON ST S	110 FT N JUDSON ST S	2045	Salem	\$30,000	8481.9	0
781	1050	8	295	R & R	BV-2	TRADE ST SE	19TH ST SE	20TH ST SE	2020	Salem	\$70,000	8481.9	0
782	1051	8	23	R & R	BV-6	TRADE ST SE	24TH ST SE	24TH ST SE	2025	Salem	\$10,000	8481.9	0
783	1052	10	23	R & R	BV-6	24TH ST SE	TRADE ST SE	TRADE ST SE	2025	Salem	\$10,000	8481.9	0
784	1053	10	117	R & R	EM-1	ALLEY BTWN CHURCH/CO	CENTER ST NE	60 FT NE CENTER ST N	2040	Salem	\$30,000	8481.9	0
785	1054	10	30	R & R	EM-1	ALLEY BTWN CHURCH/CO	CENTER ST NE	CENTER ST NE	2040	Salem	\$10,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
786	1055	8	257	R & R	BS-8	CATTERLIN AV NE	150 FT N CENTER ST N	410 FT N CENTER ST N	2020	Salem	\$60,000	8481.9	0
787	1056	8	392	R & R	DS-2	ELLIS AV NE	EAST PARK AV NE	170 FT W PARK AV NE	2060	Salem	\$90,000	8481.9	0
788	1057	8	300	R & R	DS-2	BTWN MARKET/ALBERTA	EVERGREEN AV NE	300 FT E EVERGREEN A	2060	Salem	\$70,000	8481.9	0
789	1058	8	106	R & R	EB-1	ALLEY BTWN SUMMER/WI	160 FT SW E ST NE	270 FT SW E ST NE	2009	Salem	\$30,000	8481.9	0
79	356	8	335	R & R	EB-4	ALLEY BTWN SUMMER/CA	HOOD ST NE	GAINES ST NE	2004	Salem	\$80,000	8481.9	0
790	1059	8	152	R & R	EB-2	COLONIAL AV NE	170 FT SW MCCOY AV N	DEAD END	2007	Salem	\$40,000	8481.9	0
791	1060	8	301	R & R	DS-2	BTWN ALBERTA AV/WIND	EVERGREEN AV NE	300 FT E EVERGREEN A	2060	Salem	\$70,000	8481.9	0
792	1061	8	20	R & R	DS-2	BTWN ALBERTA AV/WIND	300 FT E EVERGREEN A	320 FT E EVERGREEN A	2060	Salem	\$10,000	8481.9	0
793	1062	8	343	R & R	FN-4	CHURCH ST SE	HOYT ST SE	JUDSON ST SE	2025	Salem	\$80,000	8481.9	0
794	1063	8	285	R & R	FN-4	COTTAGE ST SE	HOYT ST SE	JUDSON ST SE	2025	Salem	\$70,000	8481.9	0
795	1064	8	176	R & R	WR-2	DIVISION ST NE	HIGH ST NE	180 FT SW HIGH ST NE	2050	Salem	\$40,000	8481.9	0
796	194	8	324	PS Elimination	WR-2	ALLEY BTWN LIBERTY &	UNION ST NE	DIVISION ST NE	2050	Salem	\$60,000	8481.9	0
797	1065	8	186	R & R	FN-21	BONHAM ST S	MISSOURI AV S	KING ST S	2055	Salem	\$40,000	8481.9	0
798	276	10	743	PS Elimination	WR-3	ALLEY BTWN FRONT & C	280 FT NE DIVISION S	130 FT S D ST NE	2005	Salem	\$220,000	8481.9	0
799	1066	8	253	R & R	EB-2	ALLEY BTWN MCCOY/RAI	HOOD ST NE	260 FT NE HOOD ST NE	2007	Salem	\$60,000	8481.9	0
8	288	8	251	R & R	NT-1	BLILER AV NE	SALEM PY NE	250 FT E SALEM PY NE	2070	Salem	\$60,000	8481.9	0
80	357	8	247	R & R	NC-11	ALLEY BTWN PEARL/NOR	16TH ST NE	17TH ST NE	2075	Salem	\$60,000	8481.9	0
800	1067	8	244	R & R	EB-2	ALLEY BTWN CAPITOL/M	HOOD ST NE	250 FT NE HOOD ST NE	2007	Salem	\$60,000	8481.9	0
801	1068	8	225	R & R	EB-1	ALLEY BTWN WINTER/SU	BELMONT ST NE	230 FT NE BELMONT ST	2009	Salem	\$50,000	8481.9	0
802	1069	8	18	R & R	EB-1	ALLEY BTWN WINTER/SU	230 FT NE BELMONT ST	MARKET ST NE	2009	Salem	\$10,000	8481.9	0
803	1070	8	313	R & R	BV-5	LEE ST SE	23RD ST SE	320 FT W 23RD ST SE	2035	Salem	\$70,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
804	1071	8	298	R & R	BV-5	LEE ST SE	23RD ST SE	24TH ST SE	2035	Salem	\$70,000	8481.9	0
805	1072	8	297	R & R	BV-3	RICHMOND ST SE	160 FT S MILL ST SE	SIMPSON ST SE	2030	Salem	\$70,000	8481.9	0
806	1073	8	297	R & R	BV-3	RICHMOND ST SE	140 FT S MILL ST SE	160 FT S MILL ST SE	2030	Salem	\$70,000	8481.9	0
807	1074	8	274	R & R	BV-2	TRADE ST SE	20TH ST SE	21ST ST SE	2020	Salem	\$70,000	8481.9	0
808	1075	8	253	R & R	CX-3	BTWN 14TH/15TH ST SE	CROSS ST SE	260 FT N CROSS ST SE	2075	Salem	\$60,000	8481.9	0
809	1076	8	170	R & R	BV-8	WALLER ST SE	18TH ST SE	DEAD END	2020	Salem	\$40,000	8481.9	0
81	358	8	156	R & R	NC-11	16TH ST NE	ALLEY BTWN PEARL/NOR	PEARL ST NE	2075	Salem	\$40,000	8481.9	0
810	1077	8	68	R & R	BV-8	WALLER ST SE	18TH ST SE	18TH ST SE	2020	Salem	\$10,000	8481.9	0
811	1078	8	131	R & R	FN-3	JUDSON ST SE	SUMMER ST SE	130 FT W SUMMER ST S	2035	Salem	\$30,000	8481.9	0
812	1079	8	129	R & R	FN-3	JUDSON ST SE	SUMMER ST SE	130 FT E SUMMER ST S	2035	Salem	\$30,000	8481.9	0
813	1080	8	158	R & R	FN-3	JUDSON ST SE	130 FT E SUMMER ST S	290 FT E SUMMER ST S	2035	Salem	\$40,000	8481.9	0
814	1081	8	256	R & R	FN-3	SUMMER ST SE	JUDSON ST SE	KUMLER ST SE	2035	Salem	\$60,000	8481.9	0
815	1082	8	169	R & R	FN-9	BTWN FAIRMOUNT AV S/	MYERS ST S	170 FT S MYERS ST S	2075	Salem	\$40,000	8481.9	0
816	1083	8	87	R & R	FN-9	BTWN FAIRMOUNT AV S/	170 FT S MYERS ST S	260 FT S MYERS ST S	2075	Salem	\$20,000	8481.9	0
817	1084	8	225	R & R	FN-9	BTWN FAIRMOUNT AV S/	170 FT S MYERS ST S	550 MYERS ST S	2075	Salem	\$50,000	8481.9	0
818	1085	8	173	R & R	FN-9	MILLER ST S	FAIRMOUNT AV S	DEAD END	2075	Salem	\$40,000	8481.9	0
819	1086	8	217	R & R	FN-9	BTWN FAIRMOUNT AV S/	MILLER ST S	220 FT S MILLER ST S	2075	Salem	\$50,000	8481.9	0
82	359	8	135	R & R	NC-11	PEARL ST NE	16TH ST NE	140 FT NW 16TH ST NE	2075	Salem	\$30,000	8481.9	0
820	1087	8	158	R & R	FN-9	BTWN FAIRMOUNT AV S/	220 FT S MILLER ST S	WILSON ST S	2075	Salem	\$40,000	8481.9	0
821	1088	8	367	R & R	FN-9	BTWN FAIRMOUNT AV S/	WILSON ST S	MYERS ST S	2075	Salem	\$90,000	8481.9	0
822	1089	8	275	R & R	FN-10	SAGINAW ST S	WASHINGTON ST S	SUPERIOR ST S	2070	Salem	\$70,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
823	1090	8	282	R & R	FN-10	SAGINAW ST S	LUTHER ST S	RURAL AV S	2070	Salem	\$70,000	8481.9	0
824	1091	8	367	R & R	FN-10	BTWN COMMERCIAL/LIBE	WASHINGTON ST SE	SUPERIOR ST SE	2070	Salem	\$90,000	8481.9	0
825	1092	8	40	R & R	FN-10	BTWN COMMERCIAL/LIBE	LINCOLN ST SE	LINCOLN ST SE	2070	Salem	\$10,000	8481.9	0
826	1093	8	274	R & R	FN-10	BTWN COMMERCIAL/LIBE	WASHINGTON ST SE	LINCOLN ST SE	2070	Salem	\$70,000	8481.9	0
827	1094	8	288	R & R	FN-11	FIR ST S	WASHINGTON ST SE	SUPERIOR ST S	2060	Salem	\$70,000	8481.9	0
828	1095	8	409	R & R	FN-11	FIR ST S	SUPERIOR ST S	LUTHER ST S	2060	Salem	\$100,000	8481.9	0
829	1096	8	328	R & R	FN-11	FIR ST S	LUTHER ST S	RURAL AV S	2060	Salem	\$80,000	8481.9	0
83	360	8	298	R & R	EB-1	ALLEY BTWN SUMMER/WI	GAINES ST NE	MARKET ST NE	2009	Salem	\$70,000	8481.9	0
830	1097	10	242	R & R	FN-13	SUMMER ST SE	GERLEON ST SE	MCGILCHRIST ST SE	2010	Salem	\$70,000	8481.9	0
831	1098	8	368	R & R	FN-14	BTWN COMMERCIAL/LIBE	MILLER ST SE	WILSON ST SE	2075	Salem	\$90,000	8481.9	0
832	1099	8	365	R & R	FN-14	BTWN COMMERCIAL/LIBE	WILSON ST SE	MYERS ST SE	2075	Salem	\$90,000	8481.9	0
833	1100	8	360	R & R	FN-14	BTWN COMMERCIAL/LIBE	MYERS ST SE	LEFFELLE ST SE	2075	Salem	\$90,000	8481.9	0
834	1101	8	372	R & R	FN-14	BTWN COMMERCIAL/LIBE	MILLER ST SE	OWENS ST SE	2075	Salem	\$90,000	8481.9	0
835	1102	8	261	R & R	FN-14	LIBERTY ST SE	MISSION ST SE	KEARNEY ST SE	2075	Salem	\$60,000	8481.9	0
836	1103	12	356	R & R	FN-14	LIBERTY ST SE	KEARNEY ST SE	BUSH ST SE	2075	Salem	\$110,000	8481.9	0
837	1104	12	360	R & R	FN-14	LIBERTY ST SE	BUSH ST SE	OWENS ST SE	2075	Salem	\$110,000	8481.9	0
838	1105	8	15	R & R	FN-14	LIBERTY ST SE	OWENS ST SE	OWENS ST SE	2075	Salem	\$10,000	8481.9	0
839	1106	10	216	R & R	FN-14	OWENS ST SE	LIBERTY ST SE	BTWN COMMERCIAL/LIBE	2075	Salem	\$60,000	8481.9	0
84	361	8	103	R & R	EB-1	MARKET ST NE	ALLEY BTWN SUMMER/WI	ALLEY BTWN SUMMER/WI	2009	Salem	\$20,000	8481.9	0
840	1107	8	293	R & R	FN-14	BTWN COMMERCIAL/LIBE	LEFFELLE ST SE	LINCOLN ST SE	2075	Salem	\$70,000	8481.9	0
841	1108	8	328	R & R	FN-15	ALLEY BTWN FIR S/SAG	MILLER ST SE	WILSON ST SE	2055	Salem	\$80,000	8481.9	0

<i>OPS ID</i>	<i>ML ID</i>	<i>DIA (in)</i>	<i>LENGTH (ft)</i>	<i>PURPOSE</i>	<i>OPS PJ ID</i>	<i>STREET</i>	<i>FROM</i>	<i>TO</i>	<i>YEAR</i>	<i>OWNER</i>	<i>EST COST</i>	<i>ENR</i>	<i>GROWTH %</i>
842	1109	8	401	R & R	FN-15	ALLEY BTWN FIR S/SAG	WILSON ST SE	FIR ST S	2055	Salem	\$100,000	8481.9	0
843	1110	8	374	R & R	FN-15	ALLEY BTWN FIR S/SAG	OWENS ST SE	MILLER ST SE	2055	Salem	\$90,000	8481.9	0
844	1111	8	233	R & R	FN-18	HOLIDAY DR S	GRANADA WY S	DOWNS ST S	2065	Salem	\$60,000	8481.9	0
845	1112	8	222	R & R	FN-18	HOLIDAY DR S	DOWNS ST S	220 FT S DOWNS ST S	2065	Salem	\$50,000	8481.9	0
846	1113	8	276	R & R	FN-18	HOLIDAY DR S	HOLIDAY DR S	280 FT W HOLIDAY DR	2065	Salem	\$70,000	8481.9	0
847	1114	8	131	R & R	FN-19	HANSEN AV S	ARGYLE DR S	130 FT E ARGYLE DR S	2050	Salem	\$30,000	8481.9	0
848	1115	8	523	R & R	FN-19	HANSEN AV S	FELTON ST S	ARGYLE DR S	2050	Salem	\$120,000	8481.9	0
849	1116	8	251	R & R	FN-20	MISSOURI AV S	COOKE ST S	DOUGHTON ST S	2035	Salem	\$60,000	8481.9	0
85	362	8	327	R & R	EB-2	ALLEY BTWN MCCOY/CAP	HOOD ST NE	GAINES ST NE	2007	Salem	\$80,000	8481.9	0
850	1117	8	54	R & R	FN-21	MERDEL AV S	DEAD END	DEAD END	2055	Salem	\$10,000	8481.9	0
851	1118	8	118	R & R	FN-21	BTWN MISSOURI AV S/K	355 KING ST S	375 KING ST S	2055	Salem	\$30,000	8481.9	0
852	1119	8	129	R & R	FN-21	BTWN ARGYLE DR S/LIB	MISSOURI AV S	355 KING ST S	2055	Salem	\$30,000	8481.9	0
853	1120	8	377	R & R	FN-22	LOWER BEN LOMOND DR	1090 FTS E HIGH ST S	730 TILLMAN AV SE	2060	Salem	\$90,000	8481.9	0
854	1121	8	227	R & R	FN-22	BTWN JUDSON/MCGILCHR	CHURCH ST SE	230 FT W CHURCH ST S	2060	Salem	\$50,000	8481.9	0
855	1122	8	147	R & R	FN-22	UPPER BEN LOMOND DR	430 FT NE HIGH ST SE	720 TILLMAN AV SE	2060	Salem	\$30,000	8481.9	0
856	1123	8	196	R & R	FN-22	UPPER BEN LOMOND DR	720 TILLMAN AV SE	740 TILLMAN AV SE	2060	Salem	\$50,000	8481.9	0
857	1124	10	312	R & R	FN-23	RURAL AV SE	SUMMER ST SE	RAYNOR ST SE	2045	Salem	\$90,000	8481.9	0
858	1125	8	360	R & R	FN-23	RAYNOR ST SE	RURAL AV SE	ELECTRIC ST SE	2045	Salem	\$90,000	8481.9	0
859	1126	8	186	R & R	FN-23	ELECTRIC ST SE	RAYNOR ST SE	SUMMER ST SE	2045	Salem	\$40,000	8481.9	0
86	363	8	230	R & R	EB-2	ALLEY BTWN MCCOY/RAI	HOOD ST NE	COLONIAL AV NE	2007	Salem	\$50,000	8481.9	0
860	1127	8	146	R & R	FN-23	ELECTRIC ST SE	RAYNOR ST SE	CLARK CREEK	2045	Salem	\$30,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
861	1128	8	68	R & R	FN-23	RAYNOR ST SE	ELECTRIC ST SE	ELECTRIC ST SE	2045	Salem	\$10,000	8481.9	0
862	1129	15	318	R & R	FN-23	BTWN ELECTRIC ST SE/	RAYNOR ST SE	CLARK CREEK	2045	Salem	\$100,000	8481.9	0
863	1130	15	399	R & R	FN-23	BTWN ELECTRIC ST SE/	CLARK CREEK	BERRY ST SE	2045	Salem	\$130,000	8481.9	0
864	1131	10	132	R & R	FN-23	RURAL AV SE	RAYNOR ST SE	CLARK CREEK	2045	Salem	\$40,000	8481.9	0
865	1132	12	132	R & R	FN-23	RAYNOR ST SE	HOYT ST SE	130 FT N HOYT ST SE	2045	Salem	\$40,000	8481.9	0
866	1133	8	41	R & R	FN-24	BTWN LEFFELLE/CROSS	BERRY ST SE	BERRY ST SE	2050	Salem	\$10,000	8481.9	0
867	1134	18	228	R & R	FN-24	CROSS ST SE	BERRY ST SE	PRINGLE CREEK	2050	Salem	\$80,000	8481.9	0
868	1135	18	211	R & R	FN-24	CROSS ST SE	BERRY ST SE	PRINGLE CREEK	2050	Salem	\$70,000	8481.9	0
869	1136	8	331	R & R	FN-24	BERRY ST SE	HOWARD ST SE	LEWIS ST SE	2050	Salem	\$80,000	8481.9	0
87	364	8	110	R & R	EB-2	COLONIAL AV NE	ALLEY BTWN MCCOY/RAI	80 FT SE MCCOY AV NE	2007	Salem	\$30,000	8481.9	0
870	1137	8	338	R & R	FN-24	BERRY ST SE	WILBUR ST SE (S)	HOWARD ST SE	2050	Salem	\$80,000	8481.9	0
871	1138	8	326	R & R	FN-24	BERRY ST SE	CROSS ST SE	WILBUR ST SE (S)	2050	Salem	\$80,000	8481.9	0
872	1139	18	76	R & R	FN-24	BERRY ST SE	CROSS ST SE	CROSS ST SE	2050	Salem	\$30,000	8481.9	0
873	1140	8	273	R & R	FN-25	CROSS ST SE	CAPITOL ST SE	YEW ST SE	2030	Salem	\$60,000	8481.9	0
874	1141	12	397	R & R	FN-25	CAPITOL ST SE	CROSS ST SE	WILBUR ST SE (S)	2030	Salem	\$120,000	8481.9	0
875	1142	12	381	R & R	FN-25	CAPITOL ST SE	WILBUR ST SE (S)	HOWARD ST SE	2030	Salem	\$120,000	8481.9	0
876	1143	8	255	R & R	FN-26	DAVIDSON ST SE	CROSS ST SE	260 FT S CROSS ST SE	2050	Salem	\$60,000	8481.9	0
877	1144	8	142	R & R	FN-27	BTWN BOICE S/CANDALA	2675 SKOPIL AV S	2635 SKOPIL AV S	2075	Salem	\$30,000	8481.9	0
878	1145	8	216	R & R	FN-27	BTWN BOICE S/CULVER	MOUNTAIN VIEW DR S	220 FT E MOUNTAIN VI	2075	Salem	\$50,000	8481.9	0
879	1146	8	216	R & R	FN-27	BTWN CANDALARIA/CULV	275 CANDALARIA BV S	235 CANDALARIA BV S	2075	Salem	\$50,000	8481.9	0
88	365	8	333	R & R	EB-3	ALLEY BTWN CHURCH/CO	MARKET ST NE	BELMONT ST NE	2045	Salem	\$80,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
880	1147	8	106	R & R	FN-27	MOUNTAIN VIEW DR S	ALICE AV S	110 FT N ALICE AV S	2075	Salem	\$30,000	8481.9	0
881	1148	8	157	R & R	FN-27	2815 MOUNTAIN VIEW D	ALICE AV S	160 FT W ALICE AV S	2075	Salem	\$40,000	8481.9	0
882	1149	8	166	R & R	FN-27	BTWN BOICE S/CANDALA	SKOPIK AV S	170 FT W SKOPIK AV S	2075	Salem	\$40,000	8481.9	0
883	1150	8	324	R & R	FN-27	BTWN CANDALARIA/CULV	235 CANDALARIA BV S	2651 - 2699 COMMERC	2075	Salem	\$80,000	8481.9	0
884	1151	8	206	R & R	FN-20	DOUGHTON ST S	MISSOURI AV S	DEAD END	2035	Salem	\$50,000	8481.9	0
885	1152	12	9	R & R	EB-5	UNION PACIFIC RAILRO	250 FT S LAMBERSON S	260 FT S LAMBERSON S	2025	Salem	\$10,000	8481.9	0
886	1153	12	389	R & R	EB-5	UNDER HOUSES	LAMBERSON ST NE	250 FT S LAMBERSON S	2025	Salem	\$120,000	8481.9	0
887	1154	8	154	R & R	EB-5	UNION PACIFIC RAILRO	700 STEWART ST NE	250 FT S LAMBERSON S	2025	Salem	\$40,000	8481.9	0
888	1155	8	301	R & R	EB-13	21ST ST NE	MARKET ST NE	590 FT S MARKET ST N	2015	Salem	\$70,000	8481.9	0
889	1156	8	156	R & R	EC-2	ALLEY BTWN COURT NE/	1555 STATE ST	1611 - 1617 STATE ST	2075	Salem	\$40,000	8481.9	0
89	366	8	103	R & R	EB-2	ALLEY BTWN MCCOY/RAI	COLONIAL AV NE	GAINES ST NE	2007	Salem	\$20,000	8481.9	0
890	1157	8	218	R & R	DS-9	EVERGREEN AV NE	ELLIS AV NE	ENGLEWOOD AV NE	2040	Salem	\$50,000	8481.9	0
891	1158	10	261	R & R	DS-9	ENGLEWOOD AV NE	EVERGREEN AV NE	25TH ST NE	2040	Salem	\$80,000	8481.9	0
892	1159	10	268	R & R	DS-9	ENGLEWOOD AV NE	EVERGREEN AV NE	270 FT E EVERGREEN A	2040	Salem	\$80,000	8481.9	0
893	1160	10	409	R & R	DS-9	EVERGREEN AV NE	ENGLEWOOD AV NE	410 FT S ENGLEWOOD A	2040	Salem	\$120,000	8481.9	0
894	1161	10	376	R & R	DS-9	25TH ST NE	420 FT S ENGLEWOOD A	810 FT S ENGLEWOOD A	2040	Salem	\$110,000	8481.9	0
895	1162	10	414	R & R	DS-9	25TH ST NE	EVERGREEN AV NE	420 FT S ENGLEWOOD A	2040	Salem	\$120,000	8481.9	0
896	1163	8	185	R & R	EB-14	22ND ST NE	NEBRASKA AV NE	DEAD END	2020	Salem	\$40,000	8481.9	0
897	1164	8	346	R & R	EB-14	22ND ST NE	D ST NE	NEBRASKA AV NE	2020	Salem	\$80,000	8481.9	0
898	1165	8	417	R & R	EB-14	D ST NE	22ND ST NE	420 FT E 22ND ST NE	2020	Salem	\$100,000	8481.9	0
899	1166	8	180	R & R	EB-3	SALEM-KEIZER SCHOOL	MARKET ST NE	180 FT NE MARKET ST	2045	Salem	\$40,000	8481.9	0

OPS ID	ML ID	DIA (in)	LENGTH (ft)	PURPOSE	OPS PJ ID	STREET	FROM	TO	YEAR	OWNER	EST COST	ENR	GROWTH %
9	289	8	478	R & R	NT-1	BLILER AV NE	120 FT E SALEM PY NE	600 FT E SALEM PY NE	2070	Salem	\$110,000	8481.9	0
90	367	8	310	R & R	EB-2	GAINES ST NE	ALLEY BTWN MCCOY/RAI	ALLEY BTWN MCCOY/CAP	2007	Salem	\$70,000	8481.9	0
900	1167	8	331	R & R	EB-3	ALLEY BTWN COTTAGE/W	BELMONT ST NE	MARKET ST NE	2045	Salem	\$80,000	8481.9	0
901	1168	8	390	R & R	BS-8	BTWN CENTER ST NE/GR	JASON ST NE	390 FT E JASON ST NE	2020	Salem	\$90,000	8481.9	0
902	1169	8	163	R & R	BS-8	BTWN CENTER ST NE/GR	390 FT E JASON ST NE	GREAR ST NE	2020	Salem	\$40,000	8481.9	0
91	368	8	292	R & R	EB-4	ALLEY BTWN SUMMER/CA	GAINES ST NE	MARKET ST NE	2004	Salem	\$70,000	8481.9	0
92	369	8	137	R & R	EB-1	ALLEY BTWN SUMMER/WI	MARKET ST NE	140 FT S MARKET ST N	2009	Salem	\$30,000	8481.9	0
93	370	8	66	R & R	EB-1	ALLEY BTWN MARKET/BE	140 FT S MARKET ST N	140 FT S MARKET ST N	2009	Salem	\$10,000	8481.9	0
94	371	8	99	R & R	EB-4	MARKET ST NE	ALLEY BTWN SUMMER/CA	ALLEY BTWN SUMMER/CA	2004	Salem	\$20,000	8481.9	0
95	372	8	183	R & R	EB-2	ALLEY BTWN MCCOY/CAP	GAINES ST NE	MARKET ST NE	2007	Salem	\$40,000	8481.9	0
96	373	8	272	R & R	NC-11	16TH ST NE	PEARL ST NE	270 FT S DEAD END	2075	Salem	\$60,000	8481.9	0
97	374	8	194	R & R	DS-6	ALLEY BTWN OLIVE/MAR	240 FT SW 15TH ST NE	430 FT SW 15TH ST NE	2004	Salem	\$50,000	8481.9	0
98	375	8	220	R & R	DS-6	ALLEY BTWN OLIVE/MAR	430 FT SW 15TH ST NE	BAKER ST NE	2004	Salem	\$50,000	8481.9	0
99	376	8	242	R & R	DS-6	ALLEY BTWN OLIVE/MAR	15TH ST NE	240 FT SW 15TH ST NE	2004	Salem	\$60,000	8481.9	0

Sanitary Sewer O and M Plan- Other Projects

OPS ID	ML ID	PROJECT TITLE	NAME	TYPE	PURPOSE	OPS PJ ID	LOCATION	BASIN	Q(MGD)	YEAR	OWNER	EST COST	ENR	GROWTH %
1000004		Abandon PS, gravity to Cordon PS	Alexander	Pump Station	PS Consolidation		4363 CAMPBELL DR SE	MARKET ST	0	2025	Salem	\$100,000	8481.9	0
1000005		Abandon PS, gravity to E Salem Trunk &	State	Pump Station	PS Consolidation		4855 STATE ST	MARKET ST	0	2010	Salem	\$100,000	8481.9	0
1000006		Abandon PS, gravity to Windstone PS	Greenbriar	Pump Station	PS Consolidation		803 DOVE AV NE	MARKET ST	0	2025	Salem	\$100,000	8481.9	0
1000007		Abandon PS, gravity to E Salem Trunk	Hayesville	Pump Station	PS Elimination		4509 HAYESVILLE DR NE	HAYESVILLE DR	0	2015	Salem	\$100,000	8481.9	0
1000008		Abandon PS, gravity to E Salem Trunk	Satter	Pump Station	PS Elimination		4235 LANCASTER DR NE	HAYESVILLE DR	0	2015	Salem	\$100,000	8481.9	0
1000009		Abandon PS, gravity to Willow Lake Trunk	Rivercrest	Pump Station	PS Elimination		3865 RIVERCREST DR N	CENTRAL KEIZER	0	2025	Salem	\$100,000	8481.9	0
1000010		Abandon PS, gravity to collection system	Union	Pump Station	PS Elimination		101 UNION ST NE	WEST MARION	0	2015	Salem	\$100,000	8481.9	0
1000011		Relocate PS to safer locaion, 1-250, 2-1,0	Ferry	Pump Station	PS Rehab		230 FRONT ST SE	WEST FERRY	1.003	2025	Salem	\$840,000	8481.9	0
1000015		Abandon Pump Station, Qd=7.87 mgd	Chemawa	Pump Station	Sys Optimization		4897 INDIAN SCHOOL RD NE	EAST CHEMAWA	4.47	2025	Salem	\$3,310,000	8481.9	0
1000025		Abandon PS, gravity to MH 33-460012	Joplin	Pump Station	PS Consolidation		2475 PRINGLE RD SE	PRINGLE CREEK	0	2010	Salem	\$80,000	8481.9	0
1000029		Abandon PS, gravity to MH 54-468004	Mahrt	Pump Station	PS Elimination		365 LANCASTER DR SE	38TH	0	2025	Salem	\$100,000	8481.9	0
1000035		Abandon Portion of PS	Keizer	Pump Station	Sys Optimization		2351 KEIZER RD NE	NORTH KEIZER	0	2025	Salem	\$190,000	8481.9	0
1000037		Abandon PS, gravity to new pipe system	Sunset Meadows	Pump Station	PS Elimination		5360 LONDON ST SE	FAIRVIEW	0.154	2015	Salem	\$210,000	8481.9	0
1000038		Rep. Larmer Pump Station w/New	Larmer	Pump Station	R & R		370 BELMONT ST NE	WEST BELMONT	0	2009	Salem	\$70,000	8481.9	0
1000039		Rep. Exist. Bldg#2 @ City Public Works S	City Shops	Operations	Sys Optimization		1435 22ND ST SE	ALL BASINS	0	2008	Salem	\$12,320,000	8481.9	0
1000040		Const. Vactor Waste Dewatering Facility	City Shops	Treatment Facility	Sys Optimization		1435 22ND ST SE	ALL BASINS	0	2010	Salem	\$1,935,000	8263.3	0
1000054		Def. Loan Prg-Homeowner Sewer Rehab./		Collection System	R & R		NA	ALL BASINS	0	2010	Salem	\$310,000	8481.9	0
1000055		Lateral Service Retrofit of Recent CIP Proj		Collection System	R & R		NA	ALL BASINS	0	2010	Salem	\$360,000	8481.9	0
1000056		Opportunity Grants - Sanitary Sewer		Collection System	R & R		NA	ALL BASINS	0	2010	Salem	\$920,000	8481.9	0

<i>OPS ID</i>	<i>ML ID</i>	<i>PROJECT TITLE</i>	<i>NAME</i>	<i>TYPE</i>	<i>PURPOSE</i>	<i>OPS PJ ID</i>	<i>LOCATION</i>	<i>BASIN</i>	<i>Q(MGD)</i>	<i>YEAR</i>	<i>OWNER</i>	<i>EST COST</i>	<i>ENR</i>	<i>GROWTH %</i>
1000057		Wastewater Collection System R&R Sche		Collection System	R & R		NA	ALL BASINS	0	2010	Salem	\$150,000	8481.9	0
1000065		Def. Loan Prg-Homeowner Sewer Rehab./		Collection System	R & R		NA	ALL BASINS	0	2012	Salem	\$210,000	8481.9	0
1000066		Lateral Service Retrofit of Recent CIP Proj		Collection System	R & R		NA	ALL BASINS	0	2012	Salem	\$210,000	8481.9	0
1000067		Wastewater Collection System R&R Sche		Collection System	R & R		NA	ALL BASINS	0	2012	Salem	\$100,000	8481.9	0
1000068		Opportunity Grants - Sanitary Sewer		Collection System	R & R		NA	ALL BASINS	0	2012	Salem	\$620,000	8481.9	0

Sanitary Sewer Other Projects

ML ID	TITLE	NAME	TYPE	PURPOSE	LOCATION	BASIN	Q(MGD)	YEAR	OWNER	EST COST	ENR	GROWTH %
1000053	Sewer Improvements - Developer Pass-thru Reimburse		Collection	Future Development	NA	ALL BASINS	0	2010	Salem	\$1,170,000	8481.9	0
1000058	Revenue Bond Issuance/Management Exp-Sanitary		Collection	SSO & Future Dev, R & R,	NA	ALL BASINS	0	2010	Salem	\$3,590,000	8481.9	0
1000064	Sewer Improvements - Developer Pass-thru Reimburse		Collection	Future Development	NA	ALL BASINS	0	2012	Salem	\$780,000	8481.9	0
1000069	Revenue Bond Issuance/Management Exp-Sanitary		Collection	SSO & Future Dev, R & R,	NA	ALL BASINS	0	2011	Salem	\$70,000	8481.9	0