

CITY COUNCIL MEETING AGENDA

August 22, 2024

6:00 PM

Central Point City Hall, Council Chambers

140 S 3rd St, Central Point, OR

www.centralpointoregon.gov



10. Meeting Called to Order

20. Pledge of Allegiance

30. Roll Call

40. Public Comments

The City Council sets aside 20 minutes for in-person public comments on non-agenda items. Comments are limited to three (3) minutes per individual, five (5) minutes per group or organization. Please complete a public comment form before speaking.

The City Council encourages written comments. Please submit your comments by regular mail to City Council, 140 S Third St, or by email to meetings@centralpointoregon.gov. Comments must be received by noon on the date of the meeting to be noted in the record. Please include the date of the Council meeting with your comments.

50. Consent Agenda

- A. Approval of August 8, 2024, Meeting Minutes
- B. Citizens Advisory Committee Appointment

60. Items Removed from the Consent Agenda

70. Ordinances and Resolutions

- A. First Reading Ordinance Amending CPMC 8.08.020.E
Sydnee Dreyer, City Attorney
- B. Water Conservation Plan
Matt Samitore, Parks and Public Works Director

80. Business

- A. Homeowner's Association Irrigation Audit Review
Matt Samitore, Parks and Public Works Director

90. Mayor's Report

100. City Manager's Report

110. Council Reports

120. Department Reports

130. Adjournment

Individuals needing special accommodations such as sign language, foreign language interpreters or equipment for the hearing impaired must request such services at least 72 hours prior to the City Council meeting. To make your request, please contact the City Recorder at 541-423-1015 (voice), or by e-mail to rachel.neuenschwander@centralpointoregon.gov. Si necesita traductor en español o servicios de discapacidades (ADA) para asistir a una junta pública de la ciudad por favor llame con 72 hora de anticipación al 541-664-3321 ext. 201.

CITY COUNCIL MEETING MINUTES

August 8, 2024

6:00 PM

Central Point City Hall, Council Chambers

140 S 3rd St, Central Point, OR

www.centralpointoregon.gov



1 Meeting Called to Order

2 Pledge of Allegiance

3 Roll Call

The following members were present: Ward IV Tanea Browning, Mayor Hank Williams, At Large Michael Parsons, Ward III Melody Thueson, Ward II Kelley Johnson, Ward I Neil Olsen

The following members were absent: At Large Rob Hernandez

The following staff were also present: City Manager Chris Clayton, City Attorney Sydnee Dreyer, Police Chief Scott Logue, Planning Director Stephanie Powers, Finance Director Steve Weber, Construction Services Supervisor Greg Graves, and City Recorder Rachel Neuenschwander.

4 Public Comments

5 Consent Agenda

A. Approval of July 11, 2024 Meeting Minutes

Motion: Approve

Moved By: Tanea Browning **Seconded by:** Melody Thueson

Roll Call: Members Tanea Browning, Hank Williams, Michael Parsons, Kelley Johnson, Neil Olsen, Melody Thueson voted yes. None voted no.

6 Items Removed from the Consent Agenda

7 Ordinances and Resolutions

A. A Resolution Authorizing the City to Apply for Oregon Department of Transportation - Oregon Community Pathways Grant Funds.

Park Planner Dave Jacob presented to the council a Resolution Authorizing the City to Apply for Oregon Department of Transportation - Oregon Community Pathways Grant Funds. The draft Central Point – Bear Creek Master Plan provides a design for a 50-acre park that, if developed, would be the largest Central Point Park. The proposed park site includes city properties on both the east and west sides of Bear Creek. The Oregon Department of Transportation’s – Oregon Community Pathways Program (OCP) could potentially provide funds to construct the pedestrian bridge. For a 200-foot multi-use bridge, estimated construction costs would be \$2,365,525. ODOT requires administrative costs plus a 30% contingency. With these additions, total project costs would be \$3,293,458.75. The total grant request would be \$2,955,220.54 with a required 10.27% match of \$338,238.21 from the city.

Taneea Browning moved to approve Resolution No. 1796, a Resolution Authorizing the City of Central Point to Apply for Oregon Department of Transportation – Oregon Community Paths Program Grant Funds for Construction of a Pedestrian Bridge Across Bear Creek as Part of Implementation of the Central Point – Bear Creek Greenway Master Plan.

Motion: Approve

Moved By: Taneea Browning **Seconded by:** Melody Thueson

Roll Call: Members Taneea Browning, Hank Williams, Michael Parsons, Kelley Johnson, Neil Olsen, Melody Thueson voted yes. None voted no.

8 Business

A. Downtown Parklet Program

Planning Director Stephanie Powers presented the Downtown Parklet Program to the council. Salt Light & Home, a downtown retail business, approached the city regarding installing an outdoor gathering space within on-street parking spaces in the public right-of-way. These are referred to as "parklets" and are innovative and cost-effective ways to create open space amenities for pedestrians and downtown business patrons. Currently, the municipal code does not allow parklets within the public right-of-way. The staff is looking for direction from the council to prepare a Downtown Parklet Program.

The council questioned the safety and fire issues and neighboring businesses. Staff responded that the Building Official reviewed what was being presented and that the parklets would need to be directly in front of the requesting business. The council thinks this is a great idea and wants more information about how the city can make this happen to support our local businesses. The council agrees to start it as a pilot program to see how it would work, limit the number allowed to start, and ensure that camping is not permitted in the parklets.

Melody Thueson moved to direct staff to prepare a Downtown Parklet Program, including program guidelines, standards, application requirements fees and necessary municipal code amendments for consideration at a future City Council meeting.

Motion: Approve

Moved By: Melody Thueson

Seconded by: Tanea Browning

Roll Call: Members Tanea Browning, Hank Williams, Michael Parsons, Kelley Johnson, Neil Olsen, Melody Thueson voted yes. None voted no.

B. Downtown Street Closures for Paving - Pine and Front

Construction Services Supervisor Greg Graves presented to the council the downtown street closure for paving - Pine and Front. The city has contracted with Knife River Materials, Inc to pave the downtown area. Paving will start next week and will entail some night paving.

Tanea Browning moved to approve the street closures for paving - Pine St and Front St.

Motion: Approve

Moved By: Tanea Browning **Seconded by:** Michael Parsons

Roll Call: Members Tanea Browning, Hank Williams, Michael Parsons, Kelley Johnson, Neil Olsen, Melody Thueson voted yes. None voted no.

C. 2024 Second Quarter Financial Statements and FY 2024 Report

Finance Director Steve Weber gave a brief overview of the June 30, 2024, financial statements. City Manager Chris Clayton discussed with the council an update to FY 2024 financial status of each fund and outlined the expected fund activity for the second half of the 2023-2025 budget cycle.

9 Mayor's Report

Mayor Williams reported that:

- He attended the Oregon Mayors Summer Conference.
- He attended the Access Mayors United Breakfast.

10 City Manager's Report

City Manager Chris Clayton reported that:

- He met with Rogue Disposal today, and there is going to be a big push for public information. They are proposing picking up all Central Point residents' trash on Fridays.
- He and Matt toured the Little League Project with Doug Norman, and shared with the council some pictures of the work being done on the project.

11 Council Reports

Council Member Tanea Browning reported that:

- She had a meeting with Jessica LeBerge about regional solutions to give her a tour of Central Point, specifically the Bear Creek Greenway project.
- She attended the Oregon Mayors Association Conference.
- She attended the Bear Creek Greenway master plan meeting.
- She attended the City Manager's Summit.
- She attended the LOC Foundation meeting.

- She attended the Arts Commission meeting.
- She met with RVCOG to establish water testing at Creekside with the stream smart program.
- She received a water leak alert from the city leak detection program and announced that the system works.

Council Member Mike Parsons reported that:

- He attended the Rogue Valley Sewer Service Board of Directors meeting.
- He attended the Parks and Recreation Foundation meeting.
- He attended the DARE Show & Shine, and Cruise.
- He attended the Jackson County Fire District 3 Civil Services Commission.
- He received a phone call from a Central Point resident that lives on Nancy Ave regarding the creek being full of trees and blackberries.

12 Department Reports

Police Chief Scott Logue reported that:

- They are currently down two positions, and down another next Thursday. They have a lateral in background.
- They received their new tasers and staff have been through training and are now carrying the new tasers.

Planning Director Stephanie Powers reported that:

- There will be a Planning Commission meeting in September, where there will be a Public Hearing about the Sunnybrook Village Master Plan and the tentative plan, site plan and architectural review for Grocery Outlet, and Par Lumber also submitted a site plan and architectural review.
- They have received interest in pre-application conferences for commercial developments on Biddle and Pine.
- Justin attended a meeting with FEMA regarding National Flood Insurance. Justin will be bringing flood plain updates to the council this fall.
- Climate Friendly and Equitable Communities, the draft code

amendments deadline is September 30th to submit code changes to the DLCD.

- Joint study session on August 26th, for session two of the Climate Friendly and Equitable Communities.
- On September 16th there will be a town hall meeting giving citizens information on Climate-Friendly and Equitable Communities.

Finance Director Steve Weber reported that in June, he presented to the council a Resolution to receive State Revenue sharing. A report came out, and over 40 cities still have not complied with the state requirement to pass a resolution and are not receiving their portion of state revenue.

13 Executive Session

14 Adjournment

Taneea Browning moved to adjourn, all said aye and the meeting was adjourned at 7:27 PM

The foregoing minutes of the August 8, 2024, Council meeting were approved by the City Council at its meeting of _____, 2024.

Dated:

Mayor Hank Williams

ATTEST:

City Recorder



DEPARTMENT: Administration

MEETING DATE: August 22, 2024

STAFF CONTACT:

SUBJECT: Citizens Advisory Committee Appointment

SUMMARY AND BACKGROUND:

Recently, the Citizens Advisory Committee had a member move to the Planning Commission. Planning Director Stephanie Powers and City Manager Chris Clayton interviewed Kelly Akin to fill one of the two vacancies on the Citizens Advisory Committee. After interviewing Ms. Akin, staff recommended that the Mayor and Council appoint Kelly Akin at the August 22, 2024, Council Meeting.

ATTACHMENTS/EXHIBITS:

1. Akin, Kelly_Redacted



**APPLICATION FOR APPOINTMENT TO
CITY OF CENTRAL POINT COMMITTEE**

Name: Kelly Akin Date: June 11, 2024

Address: [REDACTED]

Home Phone: [REDACTED] Business Phone: [REDACTED] Cell Phone: [REDACTED]

Fax: [REDACTED] E-mail: K926AKIN@AOL.COM

Are you a registered voter with the State of Oregon? Yes X No [REDACTED]

Are you a city resident? Yes X No [REDACTED] If Yes, How long: 2 YEARS

Which committee(s) would you like to be appointed to: *(Please make sure the dates below work with your schedule before applying. Council and Planning Commission members are required to file an Annual Statement of Economic Interest to the State of Oregon.)*

Meeting Dates (All meeting dates are subject to change or additions, times vary for each committee):

- ☐ Budget Committee: Meetings vary in April Bi-Annually
- ☒ Citizens Advisory Committee: 2nd Tuesday of quarterly
- ☐ Planning Commission: 1st Tuesday of each month
- ☐ Parks and Recreation Committee/Foundation: Meeting dates vary

Employment, professional, and volunteer background:

I HAVE WORKED FOR MUNICIPAL GOVERNMENT FOR ABOUT 30 YEARS.
MY FOCUS HAS BEEN DEVELOPMENT - MAINLY PLANNING & ENGINEERING.
VERY LIMITED VOLUNTEERING EXPERIENCE.

Community affiliations and activities:

NONE.

Previous City appointments, offices, or activities:

NONE.

To provide additional background for the Mayor and City Council, please answer the following questions.

1. Please explain why you are interested in the appointment and what you would offer to the community.

I'M NEW TO CP AND LOVE IT! I SEE DEVELOPMENT HAPPENING IN THE CITY AND MAY BE ABLE TO OFFER INSIGHT OR STRATEGIES TO KEEP THE OLD HEALTHY WHILE WELCOMING THE NEW.

2. Please describe what you believe are the major concerns of the City residents and businesses that this committee should be concerned about.

TRAFFIC - ESPECIALLY THE SOUTH CP INTERCHANGE
KEEPING OUR TOWN HEALTHY
HOMELESSNESS & RELATED ISSUES.

3. Please provide any additional information or comments which you believe will assist the City Council in considering your application.

I HAVE MANY YEARS OF EXPERIENCE WORKING IN LAND USE, SO I HAVE AN UNDERSTANDING HOW GOVERNMENT AND DEVELOPMENT WORKS. MOSTLY, THOUGH, I'M EXCITED ABOUT THE OPPORTUNITY TO SERVE MY COMMUNITY IN A DIFFERENT WAY.

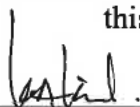
4. Do you anticipate that any conflicts of interest will arise if you are appointed; and if so, how would you handle them?

I AM A HOMEOWNER BUT DON'T HAVE ANY ^{OTHER} FINANCIAL INTERESTS IN CP, SO AS LONG AS NO PROJECTS AFFECT MY HOME I'LL NOT HAVE ANY ACTUAL CONFLICTS OF INTEREST. IF THERE'S SOMETHING THAT COMES UP THAT I FEEL SO STRONGLY ABOUT THAT I CAN'T BE IMPARTIAL I'LL RECUSE MYSELF.

Please feel free to use additional sheet if you have more information to help the Council make a final decision.

My signature affirms that the information in this application is true to the best of my knowledge. I understand that misrepresentation and/or omission of facts are cause for removal from any council, advisory committee, board or commission I may be appointed to. All information/documentation related to service for this position is subject to public record disclosure.

Signature: _____



Date: _____

JUNE 11, 2024



DEPARTMENT: Administration

MEETING DATE: August 22, 2024

STAFF CONTACT: Sydnee Dreyer, City Attorney

SUBJECT: First Reading Ordinance Amending CPMC 8.08.020.E

SUMMARY AND BACKGROUND:

CPMC Chapter 8.08.020 sets forth the process to abate violations of Chapter 8.08, and assess and lien properties where the violation is not corrected, and the city is required to abate the nuisance and collect its abatement costs. The chapter makes reference to Chapter 11.04 for purposes of enforcing a lien to collect such charges. The purpose of this amendment is to update the code reference for enforcement of liens as Chapter 3.40 deals expressly with lien enforcement.

FINANCIAL ANALYSIS:

LEGAL ANALYSIS:

The proposed amendment is a matter of updating a cross-reference within the code. When Chapter 3.40 was added to the code, the cross-reference contained in Chapter 8.08 was not updated. This amendment will make the process of enforcing liens more consistent and provide more clarity as to the required procedures.

COUNCIL GOALS/STRATEGIC PLAN ANALYSIS:

GOAL 2 - Invite Public Trust.

STRATEGY 2 – Work with partner agencies and stakeholders to eliminate redundancy and maximize efficiency in all areas.

STRATEGY 1 – Be a trusted source of factual information.

STRATEGY 3 – Celebrate our successes and admit our mistakes.

STRATEGY 5 – Communicate effectively and transparently with the public.

ATTACHMENTS/EXHIBITS:

1. ORD - Amending Ch 8.08.020 Weed Abatement Proceedings

STAFF RECOMMENDATION:

Forward Ordinance to a second reading.

RECOMMENDED MOTION:

I move to forward the Ordinance Amending in Part CPMC Chapter 8.08.020.E Regarding Weed Abatement Liens to a second reading.

ORDINANCE NO. _____

AN ORDINANCE AMENDING IN PART CPMC CHAPTER 8.08.020.E REGARDING WEED ABATEMENT LIENS

FINDINGS:

- A. Pursuant to CPMC, Chapter 1.01.040, the City Council, may from time to time make revisions to its municipal code which shall become part of the overall document and citation.
- B. CPMC Chapter 8.08.020 sets forth the process to abate violations of Chapter 8.08, and assess and lien those properties where the violation is not corrected, and the city is required to abate the nuisance and collect its abatement costs.
- C. The proposed amendment is intended to update a reference in the code for enforcement of liens.
- D. Words ~~lined through~~ are to be deleted and words **in bold** are added.

THE PEOPLE OF THE CITY OF CENTRAL POINT DO ORDAIN AS FOLLOWS:

SECTION 1. CPMC 8.08.020.E is amended as follows:

8.08.020 Notice and abatement--Proceedings.

E. If a lien is filed, the lien shall be enforced in the same manner as **provided in Chapter 3.40** liens for special assessments in Section ~~11.04.070~~, and shall bear **fees, interest and collection costs, as provided in Chapter 3.40** interest at the rate established for special assessments per Section ~~11.04.080~~, beginning ten days after the entry of the lien in the lien docket. **All such assessment liens of the city shall be superior and prior to all other liens or encumbrances of property as permitted by state law.** An error in the name of the owner or occupant shall not void the lien and it shall remain a valid lien against the property.

The above remedy shall not be exclusive and, in addition to proceeding by abatement, the city may proceed against the responsible owner or occupant in city court in the manner prescribed by law, or, if the condition is permanent, substantial or continuing, may proceed by suit in equity for mandatory injunction or such other relief as may be afforded by a court of equity. (Ord. 2051 §1(part), 2019; Ord. 1952 §1, 2011; Ord. 1420 §2, 1981; Ord. 1071 §2, 1972).

SECTION 2. Codification. Provisions of this Ordinance shall be incorporated in the City Code and the word "ordinance" may be changed to "code", "article", "section", "chapter" or another word, and the sections of this Ordinance may be renumbered, or re-lettered, provided however that any Whereas clauses and boilerplate provisions (i.e. Recitals A-C) need not be codified and the City Recorder is authorized to correct any cross-references and any typographical errors.

SECTION 3. Effective Date. The Central Point City Charter states that an ordinance enacted by the Council shall take effect on the thirtieth day after its enactment. The effective date of this ordinance will be the thirtieth day after the second reading.

PASSED by the Council and signed by me in authentication of its passage this ____ day of _____ 2024.

Mayor Hank Williams

ATTEST:

City Recorder



DEPARTMENT: Public Works

MEETING DATE: August 22, 2024

STAFF CONTACT: Matt Samitore, Parks and Public Works Director

SUBJECT: Water Conservation Plan

SUMMARY AND BACKGROUND:

The City updated the Water Master Plan in 2019, and one of the last items needed to comply with the state rules as a water provider was to adopt a water conservation plan. As part of our contract, buying water from the MWC was also a requirement. The City did a solicitation last year for a provider and selected GSI Water Solutions, Inc. to provide the plan. GSI has made a variety of these types of documents for other municipalities, including the Medford Water Commission. GSI has also worked for the city to help us establish a coordinated plan for our water rights.

In discussing the overall program with staff, four main reasons were established for the plan.

1. highlight the City's stewardship of its finite water resources.
2. assess the adequacy and reliability of its water supply relative to future demand.
3. document the City's approach to managing its water resources and
4. Confirm that the city meets its contractual obligation to maintain a curtailment plan in alignment with the MWC plan.

We established four main goals.

1. Implement conservation measures that should measurably reduce demand.
2. Maintain water supplies capable of meeting projected 20-year demands.
3. Maintain a state of preparedness to address supply shortages.
4. Implement practices that promote tracing and recording of water use.

The main element of the implementation measures is presented in section 3-1 and includes a variety of programs that the City can or has already implemented, including tier'd billings, water audits, water loss analysis, and financial assistance.

The curtailment plan is presented in section 4-1 and is very similar to the plan produced by the Medford Water Commission. The curtailment plans put together a variety of options if there is a water shortage and how we would still distribute water to the residents of Central Point.

A representative from GSI will present an overview of the plan to the City Council at the Council Meeting. Mike McClenathan, the City's Public Works Operation Manager, was

the project manager for the conservation plan and will also be available to answer any questions at the meeting.

FINANCIAL ANALYSIS:

The City Budgets annually for water conservation, this plan introduces a variety of other incentives staff will prepare for the 2025/2027 FY budget for Council to consider.

LEGAL ANALYSIS:

COUNCIL GOALS/STRATEGIC PLAN ANALYSIS:

GOAL 5 - Plan, design, and construct “state of the art” infrastructure in all areas and systems.

STRATEGY 1 – Continually update infrastructure plans.

STRATEGY 2 – Provide regular financial analysis on utility enterprise funds so infrastructure can be adequately maintained, restored, upgraded, and expanded.

ATTACHMENTS/EXHIBITS:

1. Resolution Adopting Water Conservation Plan
2. 2024 WMCP Central Point_Final

STAFF RECOMMENDATION:

Staff Recommends Approval of the Water Conservation Plan

RECOMMENDED MOTION:

Approve Resolution ____ approving the Water Conservation Plan.

RESOLUTION NO. _____

A RESOLUTION ADOPTING THE WATER MANAGEMENT AND CONSERVATION
PLAN DATED JUNE 2024 PREPARED BY GSI WATER SOLUTIONS INC.

RECITALS:

A. WHEREAS, the City is required to have a Water Management and Conservation Plan as a water purveyor in the State of Oregon.

B. WHEREAS, the City is required to have a Water Management and Conservation Plan per our contract with the Medford Water Commission.

C. WHEREAS, the City contracted with GSI Water Solutions, Inc. to develop such a plan.

D. WHEREAS, the Council has reviewed the plan and determined that the plan is in accordance with state requirements.

The City of Central Point resolves as follows:

Section 1. The City Council hereby adopts the Water Management and Conservation Plan dated June 2024, attached as Exhibit A.

Section 2. This Resolution shall take effect immediately from and after its passage and approval.

Passed by the Council and signed by me in authentication of its passage this
_____ day of _____, 2024.

Mayor Hank Williams

ATTEST:

City Recorder

Why Develop a WMCP?

Developing a WMCP gave the City the opportunity to consider new ways to improve management of the community's water resources in a manner that meets present and future needs and promotes efficient use of these resources. The City's WMCP:

- Evaluates the City's water supplies to determine if they meet current and future water needs.
- Identifies strategies to help retain as much water as possible in the City's surface water sources, like the Rogue River, as well as help stretch water supplies to accommodate projected City growth.
- Highlights the City's stewardship of its finite water resources and its commitment to water conservation.
- Documents the City's approach to managing its water resources.



Scan the QR code for information about the quality of your water, the City's annual water quality report and the City's WMCP.

What is a WMCP?

Central Point developed a Water Management and Conservation Plan (WMCP) in 2024 to help the City manage its water supplies. The WMCP is designed to align with state requirements for WMCPs. The WMCP includes the following components:

- A summary of the City's water system that provides a historical review of water use and a description of available supplies.
- An account of the City's water conservation activities and a description of measures that encourage efficient use of water by users.
- A plan to manage water use in the unlikely event of a water shortage, including what the City and customers can do to help reduce the severity of a shortage.
- An analysis of future water needs and available supplies.

LEARN ABOUT

The City of Central Point's

WATER MANAGEMENT
AND CONSERVATION PLAN



Your Water Sources

Central Point's water supplies are sourced from Big Butte Springs and the Rogue River. Medford Water diverts, treats, and transports this supply to Central Point customers. Since 1927, Big Butte Springs has been a primary source of drinking water in the region and can provide up to 26.4 million gallons of water per day to communities like Central Point that rely on this source. The springs is an underground water supply, while the Rogue River is a surface water supply that supplements the springs during the summer when the productivity of the springs decreases. The river water is treated at the Robert A. Duff Water Treatment Plant before being delivered to the City.

Summer Water Use

Water use in Central Point in the summer is about three times greater than in the winter. This difference is mostly due to increases in outdoor uses of water, such as irrigation by residential customers.



Benefits of Water Conservation and Conservation Tips

Water is a finite and valuable resource. Conserving water helps protect our water sources, keeps the environment healthy by retaining water in our sources of supplies, and saves you money.

Outdoor Conservation Tips:



Water your yard when temperatures are cooler, late at night and early morning (11 P.M. to 5 A.M.). Adjust the amount of water you use to match weather conditions.



Mulch around trees, shrubs, and garden plants to help retain moisture and prevent weeds.



Use a carwash facility that recycles water instead of using your hose.



Sweep—don't spray—your driveways and sidewalks to clean them.

Indoor Conservation Tips:



Check for and repair leaks to save money on water bills and help conserve water. Running toilets, dripping faucets and shower heads are common areas for leaks.



Add a few drops of food dye to the tank. If water in the bowl changes color after 15 minutes, you have a leak. This may be fixed by replacing the flapper valve in the tank.



Replace older showerheads with water-efficient models and save up to 40 percent more water.



DEPARTMENT: Public Works

MEETING DATE: August 22, 2024

STAFF CONTACT: Matt Samitore, Parks and Public Works Director

SUBJECT: Homeowner's Association Irrigation Audit Review

SUMMARY AND BACKGROUND:

Last winter, staff presented the Council with various water conservation tools utilizing tiered rates. One of these was the establishment of a tier 2 irrigation rate. The rate mostly affects Homeowners Associations (HOAs) and businesses with designated irrigation meters. These meters serve a specific purpose as they are not billed with RVSS as part of the average water consumption. The Council agreed to implement the new fee but wanted our water staff to do audits of the highest users and delay the rate until October 1, 2024.

This past spring, our water customer service technicians reviewed the highest HOA users and audited their systems. The vast majority of the issues arose within the Twin Creeks area, which has a number of associations and a variety of maintenance levels. Attached are the audit reports. Most of the systems were in fine to good condition. However, all of them had broken valves or heads or were watering incorrectly. As part of the audits, changes were recommended that would reduce water consumption.

Since then, we have reached out to all associations to ask if they would like us to review their systems, after fixes may or may not have occurred. None of the associations has requested a review. Based upon the existing use, all the Homeowner's Associations will have Tier 2 rates affect them in the spring/summer of 2025. Staff would like to ask for another audit next spring before the irrigation season to continue addressing the system's inefficiencies.

FINANCIAL ANALYSIS:

Based upon the current review of the last two years of water consumption, there has only been a minimal improvement in a few of the Association's water consumption.

LEGAL ANALYSIS:

COUNCIL GOALS/STRATEGIC PLAN ANALYSIS:

GOAL 5 - Plan, design, and construct "state of the art" infrastructure in all areas and systems.

STRATEGY 1 – Continually update infrastructure plans.

STRATEGY 2 – Provide regular financial analysis on utility enterprise funds so infrastructure can be adequately maintained, restored, upgraded, and expanded.

ATTACHMENTS/EXHIBITS:

1. 465 Cheney Irr
2. Beebe Woods
3. Castle Court
4. Daisey
5. Griffin Oaks
6. Jackson County Housing Authority
7. Jackson Oaks Association Sprinkler Evaluation 2024 (5)
8. Moore Landscape Audit 2.0 (2)
9. North Village HOA
10. Snowy Butte
11. Twin Creeks Retirement

STAFF RECOMMENDATION:

No recommendation at this time.

RECOMMENDED MOTION:

N/A



8/6/24

465 Cheney Loop

Landscape Sprinkler Evaluation Report

Thank you for participating in our Sprinkler Evaluation Program. Overall, your system appeared to be in good condition however, you can improve on its operation and increase water efficiency by addressing maintenance items and with seasonal adjustments for the watering schedule. This report is provided as a summary of the observations and recommendations made during the site visit.

GENERAL OBSERVATIONS

- ◆ We manually ran the two zones
- ◆ It appeared to be in good shape
- ◆ No noticeable deficiencies

Prog A	Zone 1	Zone 2
Area being watered	Shrubs	Grass
Type of Sprinklers	Drip	Spray
Flow Rate (Gal/min)	9.12	21.2
Runtime	12	8
Number of days per week	7	7
Total per week (Gal)	766.08	1187.2

CONCLUSION

There are no noticeable deficiencies, leaks or broken heads.
Your system is in very good shape.



I hope these observations and recommendations will be helpful to you in managing your water use and in maintaining a healthy, attractive landscape. The suggestions provided in this report are based on just one visit to your property. When trying any of the ideas presented, please monitor your landscape closely for any changes in plant health. If you have any questions about any of these recommendations, or about how to implement them, please do not hesitate to call.

Sincerely,

Chris Doss
Customer Service Tech
541-841-6623



6/3/24

Beebe Woods HOA

Landscape Sprinkler Evaluation Report

Thank you for participating in our Sprinkler Evaluation Program. Overall, your system appeared to be in good condition however, you can improve on its operation and increase water efficiency by addressing maintenance items and with seasonal adjustments for the watering schedule. This report is provided as a summary of the observations and recommendations made during the site visit.

Before we began the evaluation we were able to have a conversation with Rico. Rico informed us the sprinkler timers were being re-set for the upcoming watering season. He informed us of the Days/Start Times/Length of watering for each controller. The consumption details are using the reference points he provided as the base line for the Gallons Per Month.

GENERAL OBSERVATIONS

- ◆ We visually inspect and manually ran random sprinkler stations/Zones at each of your water meters to assess the configuration, general condition, and performance of your system.
- ◆ Your system has a lawn strips, lawn Areas and Shrub areas
- ◆ We ran water from controllers connected to the irrigation meters on the property.
- ◆ Meters: 58725361, 72714681, 81819738
- ◆ I will high light water usage for controllers 1 & 5

Evaluation

- ◆ We took an initial read at the water meter, ran a zone, took a final read to determine the amount of water that traveled through the meter then calculated the gallons used.
- ◆ While the station/zone is running we make observations about the health of the sprinkler system.
- ◆ We will attach the photo's taken of deficiencies in the sprinkler system.

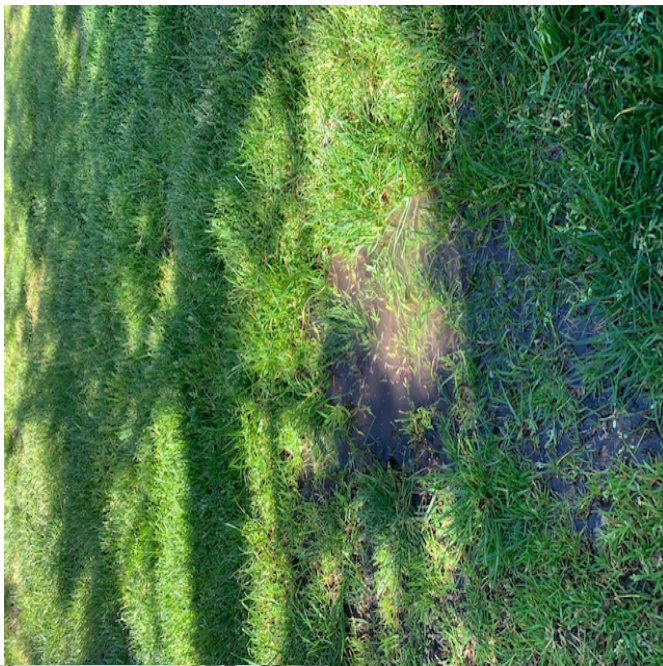


Controller 1	Station 1				
Meter 58725361		Station 2	Station 3	Station 4	Station 5
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Drip	Drip	Spray	Drip	Drip
Flow Rate (Gal/min)	25	25	25	25	2
Runtime	12	12	12	12	12
Number of days per week	6	6	6	6	6
Total per week (Gal)	1,800	1,800	1,800	1,800	144
Total Gal per month For these 5 Stations	7,200	7,200	7,200	7,200	576
Total for these Stations	29,376	Gal per Month			

Controller 1					
Meter 58725361	Station 6	Station 7	Station 8	Station 9	Station 10
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Drip	Drip
Flow Rate (Gal/min)	24	26	26	12	2
Runtime	12	12	12	12	12
Number of days per week	6	6	6	6	6
Total per week (Gal)	1,728	1,872	1,872	864	144
Total Gal per month For these 5 Stations	7,200	7,200	7,200	3,456	576
Total for these Stations	25,632	Gal per Month			

Controller 5				
Meter 72714681	Station 1	Station 2	Station 3	Station 4
Area being watered	Lawn	Shrubs	Lawn	Shrubs
Type of Sprinklers	Spray	Drip	Spray	Drip
Flow Rate (Gal/min)	17	13	24	23
Runtime	12	12	12	12
Number of days per week	6	6	6	6
Total per week (Gal)	1,224	936	1,728	1,656
Total Gal per month For these 5 Stations	4,896	3,744	6,912	6,624
Total for these Stations	22,176	Gal per Month		

Station/Zone 7 - Controller 1: Pop up Spray, Drip



- 💧 Root damage
- 💧 Broken Line (pooling)
- 💧 Mis-aligned Sprinkler

Station/Zone 9 - Controller 1: Pop up Spray, Drip



💧 Broken emitters

Station/Zone 2 - Controller 3: Pop up Spray, Drip



💧 Broken Spray Heads.

💧 Broken Rotor Heads.

Station/Zone 4 - Controller 3: Pop up Spray, Drip



💧 Rupture Sprinkler Lines

Station/Zone 4 - Controller 3: Pop up Spray, Drip



💧 Misaligned Heads watering asphalt.
💧 Broken Emitters

Station/Zone 4 - Controller 6: Pop up Spray, Drip



💧 C

Station/Zone 2,3 - Controller 6: Pop up Spray, Drip



- 💧 7 sprinkler heads for his strip (left photo)
- 💧 Plugged line (Right Side)

RECOMMENDATIONS

I am attaching a copy of Medford's Sample Water Schedule. It uses a 10-year assessment of the water needs for our valley. It takes into consideration climate and our evaporation rates. This is the same document we use to make recommendations for setting sprinkler systems for private side homes.

Sample Lawn Watering Schedule					
Biweekly Period	Approximate Lawn Water Needs (Inches per Week) ⁽¹⁾	% Adjust ⁽²⁾	Total Watering Time Per Week		
			Standard Sprays ⁽³⁾	Rotor Sprinklers ⁽³⁾	Multi-Stream Rotators ⁽³⁾
May 1-15	1.04	60%	42 minutes	100 minutes	156 minutes
May 16-31	1.21	70%	48 minutes	116 minutes	181 minutes
June 1-15	1.40	80%	56 minutes	134 minutes	210 minutes
June 16-30	1.59	90%	64 minutes	153 minutes	238 minutes
July 1-15	1.76	100%	70 minutes	169 minutes	264 minutes
July 16-31	1.71	100%	68 minutes	164 minutes	256 minutes
Aug 1-15	1.50	90%	60 minutes	144 minutes	225 minutes
Aug 16-31	1.33	80%	53 minutes	128 minutes	199 minutes
Sep 1-15	1.09	60%	44 minutes	105 minutes	163 minutes
Sep 16-30	0.84	50%	34 minutes	80 minutes	126 minutes

(1) Use this schedule as a reference, adjusting as needed to reflect actual weather, site conditions and specific sprinklers used. When water needs are met by rain, reduce watering accordingly.

(2) Use Seasonal Percentage Adjust feature on sprinkler controller. Percentages based on July values. Certain controllers can adjust in 5% increments, giving you more precise run times. We recommend adjusting to the closest percentage available on your controller.

(3) These run times are based on irrigation industry average results for sprinklers. They assume an application rate of 1.5 inches per hour for standard spray heads, 0.625 inch per hour for rotor sprinklers, and 0.4 inch per hour for multi-stream rotators.

Example water requirement calculation:
 Weekly irrigation = 1.70 in. (ET) / 1.5 in/hr (application rate of sprays) x 60 = 68 minutes per week

Shrub and Tree Watering: The sample schedules above apply to lawns. Most shrubs and trees prefer deeper, less frequent watering. If you use spray heads to water shrubs and trees, try cutting the above weekly run times by 1/2 to 2/3. If your timer has **multiple program** capability, try placing your lawns on program 'A', and your shrub/tree zones on program 'B'. This will allow you to water your lawns every two or three days, while watering shrubs and trees just once or twice per week. To conserve even more water, consider switching your trees and shrubs to drip irrigation. If trees are located in lawn areas, occasionally spot water them deeply.

The watering times above apply only to lawns. Most shrubs and trees prefer deeper, less frequent watering. The following is a recommendation for determining other vegetation water needs:

- Vegetables:** 75-100% of lawn (ET)
- Shrubs & Perennials:** 50-60% of lawn (ET)
- Waterwise plants:** 30-40% of lawn (ET)
- Trees:** Newly planted trees need regular water for the first couple of years, while established trees may need only a deep soak once or twice in summer.

MEDFORD WATER
 200 S. Ivy Street, Room 177
 Medford, Oregon 97501
www.medfordwater.org
water@medfordwater.org

Sample Shrub Watering Schedule

Biweekly Period	Water-Wise Shrubs 40% Lawn ET	Total Per Week Micro-sprays, Bubblers	Total Per Week for Low Volume Drip
May 1-15	0.38	45 Minutes	76 Minutes
May 16-31	0.48	58 Minutes	96 Minutes
June 1-15	0.56	68 Minutes	112 Minutes
June 16-30	0.64	78 Minutes	128 Minutes
July 1-15	0.68	82 Minutes	140 Minutes
July 16-31	0.68	82 Minutes	140 Minutes
Aug 1-15	0.60	72 Minutes	120 Minutes
Aug 16-31	0.53	64 Minutes	106 Minutes
Sep 1-15	0.43	52 Minutes	86 Minutes
Sep 16-30	0.34	40 Minutes	68 Minutes

When to Water: Running sprinklers between sunset and sunrise is best, as temperatures are at their lowest and the air is calm. Water pressure also tends to be most reliable prior to daylight, when other water demands are low. Daytime watering results in high water losses from evaporation. Daytime temperatures often peak around 4 p.m. and breezes are common, so wait until **at least** 9 p.m. if you prefer evening watering.

How to Water: If your timer has **multiple start time** capability, utilizing it will allow you to split a day's watering into two or more cycles. This can be particularly beneficial in our region where clay soils tend to absorb water very slowly. "Cycle and soak" irrigation allows water from each cycle to absorb into the soil before more water is applied. For example, the above chart suggests watering during the first part of June for 56 total minutes per week when using standard spray heads. Splitting this time among four watering days would mean 14 minutes of run time each watering day. Rather than applying this water all at once, try splitting each day's watering into three cycles of 5 minutes each. To do this, set the timer for three start times per watering day **spaced about an hour apart**.

For more information on weekly watering schedules call our Lawn Watering Infoline at **541-774-2460**.

Need ideas for your landscape? Visit the Water-Wise Landscaping
Website: www.medford.watersmartgardening.com

Conservation Staff: **541-774-2436**

Website: Medfordwater.org



200 S. Ivy Street, Room 177
Medford, Oregon 97501
Phone (541) 774-2430

www.medfordwater.org
water@medfordwater.org
Fax (541) 774-2555

CONCLUSION

- Replace Broken Lines, heads and emitters,
- Set up a watering schedule appropriate for the vegetation you have.
- Adjust regularly with the changes in climate and evaporation rates.

I hope these observations and recommendations will be helpful to you in managing your water use and in maintaining a healthy, attractive landscape. The suggestions provided in this report are based on just one visit to your property. When trying any of the ideas presented, please monitor your landscape closely for any changes in plant health. If you have any questions about any of these recommendations, or about how to implement them, please do not hesitate to call.

Sincerely,

Customer Service Technician's

Steve MacCarthy - (541) 727-8441

Chris Doss - (541) 841-6623



Date 7/31/24

Castle Court Condo Association

Landscape Sprinkler Evaluation Report

Thank you for participating in our Sprinkler Evaluation Program. Overall, your system appeared to be in good condition however, you can improve on its operation and increase water efficiency by addressing maintenance items and with seasonal adjustments for the watering schedule. This report is provided as a summary of the observations and recommendations made during the site visit.

GENERAL OBSERVATIONS

- ◆ We ran all Zones for the two controllers.
- ◆ We visually inspected all sprinkler heads.
- ◆ We identified some distribution uniformity issues.
- ◆ There are a few broken sprinkler heads.
- ◆ Evaporation of the spray is apparent in all zones.
- ◆ The application efficiency appears to be good.
- ◆ Adjustments to sprinkler heads for optimal coverage
- ◆ The water time per week looks good

CONSIDERATIONS

- ◆ Perform general maintenance to increase efficiency
- ◆ Adjust sprinkler heads for appropriate Net Precipitation Rates
- ◆ Investigate water pressure to drop misting which evaporates in the air



Orbit Model # 57896**Meter # 58747720**

Prog	A	Zone 1	Zone 3	Zone 4	Zone 5	Zone 6
Area being watered		Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers		Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)		43.8	42.35	27.32	30.84	31.09
Runtime		8	8	8	10	8
Number of days per week		6	6	6	6	6
Total per week (Gal)		2102.4	2032.8	1311.36	1850.4	1492.32

Hunter X-Core**Meter # 58747720**

Prog	A	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Area being watered		Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers		Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)		32.15	30.2	41.2	17.5	38.71
Runtime		10	10	9	8	10
Number of days per week		6	6	6	6	6
Total per week (Gal)		1929	1812	2224.8	840	2322.6

The spread sheet above is the watering schedule you currently have set on your two controllers. The bottom line on the spread sheet is the total gallons per week. I will be attaching a copy of Medford Water Commission's sample water schedule. It is a 10 years study of the valley. We use this as a starting point when adjusting water schedule. It is a reference schedule to promote root depth increasing the general health of the vegetation. The Sample Watering Schedule will be at the end of the report.

The next page contains examples of deficiencies we recorded in the field.

Orbit Controller / Zone 1



Over Spray



Broken Sprinkler Head



Spray hitting HVAC



Spray hitting side of building into window

Orbit Controller / Zone 2



Watering Side walk



Watering side walk



Broken Sprinkler head



Watering side walk

Orbit Controller / Zone 2



Orbit Controller / Zone 4



Watering Porch



Watering Drive way

Orbit Controller / Zone 4



Excess watering



Broken Head watering porch 522

X-Core Controller / Zone 1



Head adjustment needed

X-Core Controller / Zone 5



Broken Sprinkler Head

Sample Shrub Watering Schedule

Biweekly Period	Water-Wise Shrubs 40% Lawn ET	Total <u>Per Week</u> Micro-sprays, Bubblers	Total <u>Per Week</u> for Low Volume Drip
May 1-15	0.38	45 Minutes	76 Minutes
May 16-31	0.48	58 Minutes	96 Minutes
June 1-15	0.56	68 Minutes	112 Minutes
June 16-30	0.64	78 Minutes	128 Minutes
July 1-15	0.68	82 Minutes	140 Minutes
July 16-31	0.68	82 Minutes	140 Minutes
Aug 1-15	0.60	72 Minutes	120 Minutes
Aug 16-31	0.53	64 Minutes	106 Minutes
Sep 1-15	0.43	52 Minutes	86 Minutes
Sep 16-30	0.34	40 Minutes	68 Minutes

Sample Lawn Watering Schedule

Biweekly Period	Approximate Lawn Water Needs (Inches <u>per Week</u>) ⁽¹⁾	% Adjust ⁽²⁾	Total Watering Time <u>Per Week</u>		
			Standard Sprays ⁽³⁾	Rotor Sprinklers ⁽³⁾	Multi-Stream Rotators ⁽³⁾
May 1-15	1.04	60%	42 minutes	100 minutes	156 minutes
May 16-31	1.21	70%	48 minutes	116 minutes	181 minutes
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Aug 16-31	1.33	80%	53 minutes	128 minutes	199 minutes
Sep 1-15	1.09	60%	44 minutes	105 minutes	163 minutes
Sep 16-30	0.84	50%	34 minutes	80 minutes	126 minutes

I hope these observations and recommendations will be helpful to you in managing your water use and in maintaining a healthy, attractive landscape. The suggestions provided in this report are based on just one visit to your property. When trying any of the ideas presented, please monitor your landscape closely for any changes in plant health. If you have any questions about any of these recommendations, or about how to implement them, please do not hesitate to call me.

Sincerely,

Chris Doss

Customer Service Technician

Chris.doss@centralpointoregon.gov

541-841-6623



Daisy Creek Village

Landscape Sprinkler Evaluation Report

Thank you for participating in our Sprinkler Evaluation Program. Overall, your system appeared to be in good condition however, you can improve on its operation and increase water efficiency by addressing maintenance items and with seasonal adjustments for the watering schedule. This report is provided as a summary of the observations and recommendations made during the site visit.

GENERAL OBSERVATIONS

- ◆ We ran all zones in your sprinkler system
- ◆ We physically looked at every sprinkler head in your sprinkler system
- ◆ We collected program info including watering days, start times and Gallons per min.
- ◆ Attached is a copy of Medford's suggest watering schedule for Lawns and shrubs.
- ◆ If you decide to adjust your watering times make sure monitor the vegetation.

CURRENT WATERING SCHEDULE

Controller # 1

Prog A	Zone 1	Zone 2	Zone 3	Zone 4
Area being watered	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	10.84	39.94	24.08	14.36
Runtime	20	20	32	60
Number of days per week	3	3	3	3
Total per week (Gal)	650.4	2396.4	2311.68	2584.8



Controller # 1
Meter # 57439651

Prog A	Zone 5	Zone 11	Zone 12
Area being watered	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray
Flow Rate (Gal/min)	34.25	26.03	53.1
Runtime	40	40	40
Number of days per week	3	3	3
Total per week (Gal)	4110	3123.6	6372

Controller # 1

Prog B	Zone 6	Zone 7
Area being watered	Lawn	Lawn
Type of Sprinklers	drip	drip
Flow Rate (Gal/min)	8.37	8.82
Runtime	60	60
Number of days per week	3	3
Total per week (Gal)	1506.6	1587.6

Controller # 2

Meter # 73724829

Prog A	Zone 1	Zone 2	Zone 4	Zone 5	Zone 6
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	spray	drip	spray	drip	drip
Flow Rate (Gal/min)	29.47	8.51	25.68	9.56	5.1
Runtime	15	15	15	15	15
Number of days per week	3	3	3	3	3
Total per week (Gal)	1326.15	382.95	1155.6	430.2	229.5

Controller # 2

Prog A	Zone 7	Zone 8	Zone 9	Zone 10	Zone 12
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	spray	drip	drip	drip	drip
Flow Rate (Gal/min)	29.47	8.51	25.68	9.56	5.1
Runtime	9	9	60	60	60
Number of days per week	3	3	3	3	3
Total per week (Gal)	795.69	229.77	4622.4	1720.8	918



Controller # 2

Prog B	Zone 3	Zone 9
Area being watered	Lawn	Lawn
Type of Sprinklers	spray	drip
Flow Rate (Gal/min)	29.47	8.51
Runtime	60	60
Number of days per week	1	1
Total per week (Gal)	1768.2	510.6

Controller # 3

Prog A	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	spray	drip	drip	spray	spray
Flow Rate (Gal/min)	13.55	2.56	7.53	10.29	15.99
Runtime	36	20	20	20	40
Number of days per week	4	4	4	4	4
Total per week (Gal)	1951.2	204.8	602.4	823.2	2558.4

Controller # 3

Prog B	Zone 1
Area being watered	Lawn
Type of Sprinklers	spray
Flow Rate (Gal/min)	21.43
Runtime	60
Number of days per week	1
Total per week (Gal)	1285.8

Controllers #2 and #3



Emitter is not watering bush



This looks great. The Uniformity is Great.



Spray is missing this section.

 Sample Lawn Watering Schedule 					
Biweekly Period	Approximate Lawn Water Needs (Inches per Week) ⁽¹⁾	% Adjust ⁽²⁾	Total Watering Time <u>Per Week</u>		
			Standard Sprays ⁽³⁾	Rotor Sprinklers ⁽³⁾	Multi-Stream Rotators ⁽³⁾
May 1-15	1.04	60%	42 minutes	100 minutes	156 minutes
May 16-31	1.21	70%	48 minutes	116 minutes	181 minutes
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Aug 16-31	1.33	80%	53 minutes	128 minutes	199 minutes
Sep 1-15	1.09	60%	44 minutes	105 minutes	163 minutes
Sep 16-30	0.84	50%	34 minutes	80 minutes	126 minutes

💧 Sample Shrub Watering Schedule 💧

Biweekly Period	Water-Wise Shrubs 40% Lawn ET	Total <u>Per Week</u> Micro-sprays, Bubblers	Total <u>Per Week</u> for Low Volume Drip
May 1-15	0.38	45 Minutes	76 Minutes
May 16-31	0.48	58 Minutes	96 Minutes
June 1-15	0.56	68 Minutes	112 Minutes
June 16-30	0.64	78 Minutes	128 Minutes
July 1-15	0.68	82 Minutes	140 Minutes
July 16-31	0.68	82 Minutes	140 Minutes
Aug 1-15	0.60	72 Minutes	120 Minutes
Aug 16-31	0.53	64 Minutes	106 Minutes
Sep 1-15	0.43	52 Minutes	86 Minutes
Sep 16-30	0.34	40 Minutes	68 Minutes

Your Irrigation system appears to be in good shape. I would suggest looking at the attached sample watering schedule provided by the City of Medford. It is a 10 study of the valley. The suggested watering time promote root health for your vegetation. I hope these observations and recommendations will be helpful to you in managing your water use and in maintaining a healthy, attractive landscape. The suggestions provided in this report are based on just one visit to your property. When trying any of the ideas presented, please monitor your landscape closely for any changes in plant health. If you have any questions about any of these recommendations, or about how to implement them, please do not hesitate to call.

Sincerely,

Chris Doss
Customer Service Tech
541-841-6623



3/29/24

Griffin Oaks Maintenance Association

Landscape Sprinkler Evaluation Report

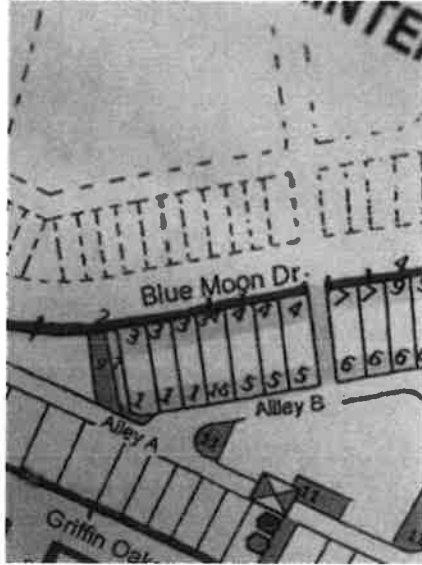
Thank you for participating in our Sprinkler Evaluation Program. Overall, your system appeared to be in good condition however, you can improve on its operation and increase water efficiency by addressing the maintenance items you showed us during the Evaluation and by continuing with the seasonal adjustments you have in place for the watering schedule. This report is provided as a summary of the observations and recommendations made during the site visit.

GENERAL OBSERVATIONS

- ◆ We visually inspected and manually ran random sprinkler stations at each of your water meters to assess the configuration, general condition, and performance of your system.
- ◆ Your system has a lawn strips and shrub areas.
- ◆ For water meter N Haskell St & Blue Moon Irrigation (57439650) *Station 1,2/Controller 6 are equipped with pop up spray sprinklers.*
- ◆ For water meter Griffin Oaks Dr (58747719) *Station 6/Controller 2 is equipped with pop up sprays.*
- ◆ For water meter 759 Black Oak Dr. Irrigation (58747733) *Station 2/Controller 4 is equipped with pop up spray sprinklers.*
- ◆ For water meter Silver Cr/Griffin Oaks Irr (75311) *Station 2/Controller 3 is equipped with pop up spray sprinklers.*

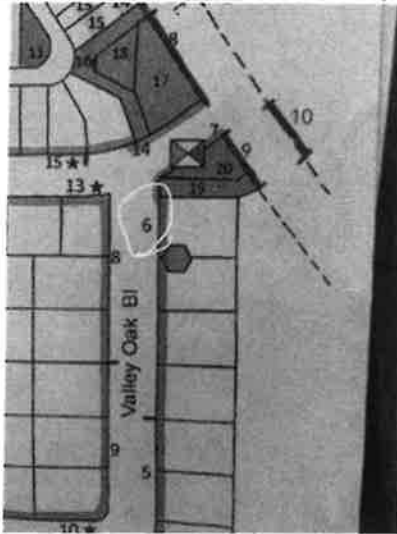
Controller 2,3,4,6	Station 1 Con 6	Station 2 Con 6	Station 6 Con 2	Station 2 Con 4	Station 2 Con 3
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	37.5	37.5	30	37	30
Runtime	20	20	20	20	20
Number of days per week	4	4	4	4	4
Total per week (Gal)	3,000	3,000	2,400	2,960	2,400
Total Gal per month For these 5 Stations	12,000	12,000	9,600	11,840	9,600
Total for these Stations	55,040 Gal per Month				

Station 1,2/Controller 6: Grass Strip, pop up spray



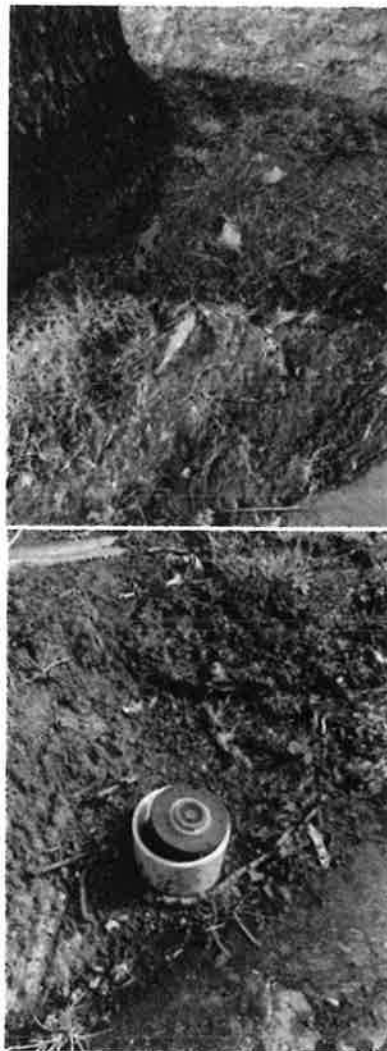
- Some minor adjustments to prevent spray entering gutter pan.

Station 6/Controller 2: Grass Strip, pop up spray



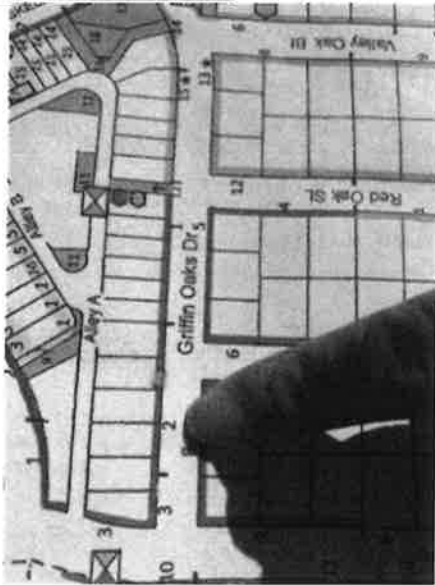
- 💧 This section had some root compression preventing sprinkler heads from popping up.
- 💧 This section also has a cross connection somewhere in the system.
- 💧 This section had some broken sprinkler heads

Station 2/Controller 4: Grass Strip, pop up spras



- ◆ Root compression is apparent.
- ◆ This section also had some great examples of root compression mitigation strategies.

Station 2/Controller 3: Grass Strip, pop up spray



- 💧 This section of grass strip has the adjustable heads, the distribution uniformity looked great.

RECOMMENDATIONS

Current Controller Schedule:

Below was the schedule your controller was set for before we came out:

	Station 1 Controller 6	Station 2 Controller 6	Station 6 Controller 2	Station 2 Controller 4	Station 2 Controller 3
Sprinkler Type	Spray	Spray	Spray	Spray	Spray
Location / Plant Type	Lawn Strip	Lawn Strip	Lawn Strip	Lawn Strip	Lawn Strip
Start Times	Twice a Day				
Minutes / Cycle	10	10	10	10	10
Watering Days	T,W,F,Sun	T,W,F,Sun	M,W,F,Sun	M,W,F,Sun	M,W,F,Sun
Minutes / Week	80 min per week	80 min per week	80 min per week	80 min per week	80 min per week

Suggested Watering Schedule:

	Station 1 Controller 6	Station 2 Controller 6	Station 6 Controller 2	Station 2 Controller 4	Station 2 Controller 3
Sprinkler Type	Spray	Spray	Spray	Spray	Spray
Location / Plant Type	Lawn Strip	Lawn Strip	Lawn Strip	Lawn Strip	Lawn Strip
Start Times	Two times a day				
Minutes / Cycle	6	6	6	6	6
Watering Days	T,W,F,Sun	T,W,F,Sun	M,W,F,Sun	M,W,F,Sun	M,W,F,Sun
Minutes / Week	48 min Per Week	48min Per Week	48min Per Week	48min Per Week	48min Per Week

I hope these observations and recommendations will be helpful to you in managing your water use and in maintaining a healthy, attractive landscape. The suggestions provided in this report are based on just one visit to your property looking at one station per controller in order to have an overview of the system. When trying any of the ideas presented, please monitor your landscape closely for any changes in plant health. Your maintenance association has a great program in place for monitoring the system and implementing repairs and changes when needed. Your training protocols for volunteers is also very impressive. If you have any questions about any of these recommendations, or about how to implement them, please do not hesitate to call.

Sincerely,

Chris Doss

Customer Service Technician

Chris.doss@centralpointoregon.gov



8/6/24

Housing Authority of Jackson County
200 S Haskell St- Irrigation

Landscape Sprinkler Evaluation Report

Thank you for participating in our Sprinkler Evaluation Program. Overall, your system appeared to be in great condition however, you can improve on its operation and increase water efficiency by addressing maintenance items and with seasonal adjustments for the watering schedule. This report is provided as a summary of the observations and recommendations made during the site visit.

GENERAL OBSERVATIONS

- ◆ We manually ran each zone
- ◆ We visually inspected the different sprinkler heads
- ◆ Over all your irrigation system appears to be in great condition
- ◆ The watering schedule in terms of minutes per week is great
- ◆ The uniformity is great
- ◆ There is little to no evaporation visible
- ◆ The drip system appeared to be in great shape
- ◆ There were three misaligned MP's, which Brent fixed
- ◆ There was one popped drip line in front of 220 unit 3
- ◆ The Splash Pad does run off the same irrigation meter
- ◆ Zone 1 – Not in use

IRRIGATION CONTROLL PANEL INFO

Prog 1	Meter 61855088	Zone 6	Zone 8	Zone 11	Zone 16	Zone 18
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	MP	MP	MP	MP	MP	MP
Flow Rate (Gal/min)	6.14	11.72	6.62	22.07	21.45	
Runtime	45	45	60	60	50	
Number of days per week	5	5	5	5	5	
Total per week (Gal)	1381.5	2637	1986	6621	5362.5	



Prog 2	Meter 61855088	Zone 2	Zone 3	Zone 4	Zone 5	Zone 7	Zone 9
Area being watered		Shrubs	Shrubs	Shrubs	Shrubs	Shrubs	Shrubs
Type of Sprinklers		Drip	Drip	Drip	Drip	Drip	Drip
Flow Rate (Gal/min)		19.45	8.56	2.04	8.34	4.17	5.92
Runtime		60	60	60	60	60	60
Number of days per week		4	4	4	4	4	4
Total per week (Gal)		4668	2054.4	489.6	2001.6	1000.8	1420.8

Prog 2	Meter 61855088	Zone 10	Zone 12	Zone 13	Zone 14	Zone 17	Zone 19
Area being watered		Shrubs	Shrubs	Shrubs	Shrubs	Shrubs	Shrubs
Type of Sprinklers		Drip	Drip	Drip	Drip	Drip	Drip
Flow Rate (Gal/min)		11.62	7.52	6.44	7.45	10.62	7.52
Runtime		60	60	60	60	60	60
Number of days per week		4	4	4	4	4	4
Total per week (Gal)		2788.8	1804.8	1545.6	1788	2548.8	1804.8

SPLASH PAD

- ◆ The splash pad is activated by a foot switch
- ◆ The season is typically May – Sept, depending on weather

Meter	61855088	Splash Pad
Area being watered		Splash Pad
Type of Sprinklers		Jet
Flow Rate (Gal/min)		18.65

SAMPLE WATERING SCHEDULE

Below is a sample watering schedule created by Medford Water Commission. It is based off a 10 year study of the valley. It is a good starting point if you would like to modify your irrigation schedule.

Sample Shrub Watering Schedule			
Biweekly Period	Water-Wise Shrubs 40% Lawn ET	Total Per Week Micro-sprays, Bubblers	Total Per Week for Low Volume Drip
May 1-15	0.38	45 Minutes	76 Minutes
May 16-31	0.48	58 Minutes	96 Minutes
June 1-15	0.56	68 Minutes	112 Minutes
June 16-30	0.64	78 Minutes	128 Minutes
July 1-15	0.68	82 Minutes	140 Minutes
July 16-31	0.68	82 Minutes	140 Minutes
Aug 1-15	0.60	72 Minutes	120 Minutes
Aug 16-31	0.53	64 Minutes	106 Minutes
Sep 1-15	0.43	52 Minutes	86 Minutes
Sep 16-30	0.34	40 Minutes	68 Minutes

Sample Lawn Watering Schedule					
Biweekly Period	Approximate Lawn Water Needs (Inches per Week) ⁽¹⁾	% Adjust ⁽²⁾	Total Watering Time Per Week		
			Standard Sprays ⁽³⁾	Rotor Sprinklers ⁽³⁾	Multi-Stream Rotators ⁽³⁾
May 1-15	1.04	60%	42 minutes	100 minutes	156 minutes
May 16-31	1.21	70%	48 minutes	116 minutes	181 minutes
June 1-15	1.40	80%	56 minutes	134 minutes	210 minutes
June 16-30	1.59	90%	64 minutes	153 minutes	238 minutes
July 1-15	1.76	100%	70 minutes	169 minutes	264 minutes
July 16-31	1.71	100%	68 minutes	164 minutes	256 minutes
Aug 1-15	1.50	90%	60 minutes	144 minutes	225 minutes
Aug 16-31	1.33	80%	53 minutes	128 minutes	199 minutes
Sep 1-15	1.09	60%	44 minutes	105 minutes	163 minutes
Sep 16-30	0.84	50%	34 minutes	80 minutes	126 minutes

I hope these observations and recommendations will be helpful to you in managing your water use and in maintaining a healthy, attractive landscape. The suggestions provided in this report are based on just one visit to your property. When trying any of the ideas presented, please monitor your landscape closely for any changes in plant health. If you have any questions about any of these recommendations, or about how to implement them, please do not hesitate to call.

Sincerely,

Chris Doss
Customer Service Technician
541-841-6623



4/11/24

Jackson Oaks Association

Landscape Sprinkler Evaluation Report

Thank you for participating in our Sprinkler Evaluation Program. Overall, your system appeared to be in good condition however, you can improve on its operation and increase water efficiency by addressing the maintenance items you showed us during the Evaluation and by staying aware of appropriate seasonal adjustments for the watering schedule. This report is provided as a summary of the observations and recommendations made during the site visit.

Evaluation

- ◆ We visually inspected and manually ran all sprinkler stations/zones at each of your water meters to assess the configuration, general condition, and performance of your system.
- ◆ This is the first time the system has been started this season.
- ◆ Your regular maintenance has not been started yet.
- ◆ The numbers we are providing are based off the times/dates/lengths your sprinkler is set at.
- ◆ We are not calculating for seasonal adjustments, current deficient components and lines in your system.
- ◆ This evaluation is a summary of what we found at this immediate time.

System Components

- ◆ Your system has a lawn strips and shrub areas.
- ◆ There are also trees in your lawn strips.
- ◆ The majority of your system has Spray Heads
- ◆ There are multiple types of Spray Heads.

Field Observations

- ◆ We have collected photos with examples of deficiencies in your sprinkler system.
- ◆ Royce has placed flags at each of the heads with a deficiency we identified.
- ◆ We created a map with color indicated markers.



The next section contains an overview from the information collected off each of the three control panels. It will give a basic summary of the gallons per month per Station/Zone. The control panel and meter will be represented in Red.

Meter: 75265265 (Between 1001 & 1005 Steamboat)

Controller: 1 (S/W corner of Civic Soccer field)

Controller 1 Prog A	Station 1	Station 2	Station 6	Station 7	Station 9
Area being watered	Lawn	Lawn	Shrubs	Shrubs	Shrubs
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	34	34	28	28	28
Runtime	80	80	100	100	80
Number of days per week	4	4	4	4	4
Total per week (Gal)	10,880	10,880	11,200	11,200	8,960
Total Gal per month For these 5 Stations	43,520	43,520	44,800	44,800	35,840

Monthly Total **212,480**

Controller 1 Prog A	Station 10	Station 11	Station 21	Station 22	Station 23
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	37	33	36	44	37
Runtime	80	80	80	80	80
Number of days per week	4	4	4	4	4
Total per week (Gal)	2,960	2,640	2,880	3,520	2,960
Total Gal per month For these 5 Stations	11,840	10,560	11,520	14,080	11,840

Monthly Total **59,840**

Controller 1 Prog A	Station 24
Area being watered	Lawn
Type of Sprinklers	Spray
Flow Rate (Gal/min)	36
Runtime	80
Number of days per week	4
Total per week (Gal)	2,880
Total Gal per month For these 5 Stations	11,520

Monthly Total **11,520**

Controller 1 Prog B	Station 3	Station 4	Station 5	Station 8	Station 12
Area being watered	Shrubs	Shrubs	Shrubs	Shrubs	Shrubs
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	28	41	37	37	37
Runtime	40	40	40	40	40
Number of days per week	3	3	3	3	3
Total per week (Gal)	3,360	3,280	4,440	4,440	4,440
Total Gal per month For these 5 Stations	13,440	13,120	17,760	11,840	11,840

Total for these Stations **68,000** Gal per Month

Controller 1 Prog B	Station 13	Station 14	Station 15	Station 16	Station 17
Area being watered	Lawn	lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	32	32	32	32	41
Runtime	40	40	40	40	40
Number of days per week	3	3	3	3	3
Total per week (Gal)	3,840	3,840	3,840	3,840	4,920
Total Gal per month For these 4 Stations	10,240	10,560	10,240	10,240	19,680

Total for these Stations **60,960** Gal per Month

Controller 1 Prog B	Station 3	Station 4	Station 5	Station 8	Station 12
Area being watered	Shrubs	Shrubs	Shrubs	Shrubs	Shrubs
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	28	41	37	37	37
Runtime	40	40	40	40	0
Number of days per week	3	3	3	3	3
Total per week (Gal)	3,360	4,920	4,440	4,440	4,440
Total Gal per month For these 5 Stations	8,960	19,680	17,760	17,760	17,760

Total for these Stations **81,920** Gal per Month

Monthly for Control #1 : 494,720 Gallons Per month

Meter: 72917164 (N side of 1021 Twin Creeks)

Controller: 1 (Center of Twin Creeks)

Controller 2 Prog A	Station 1	Station 2	Station 3	Station 4	Station 5
Area being watered	Lawn	lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	55	52	52	32	44
Runtime	80	80	80	80	80
Number of days per week	3	3	3	3	3
Total per week (Gal)	13,200	12,480	12,480	7,680	10,560
Total Gal per month For these 5 Stations	52,800	49,920	49,920	30,720	42,240

Total for these Stations **225,600** Gal per Month

Controller 2 Prog A	Station 6	Station 7	Station 8	Station 9	Station 10
Area being watered	Lawn	lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	52	45	32	37	52
Runtime	80	80	80	80	96
Number of days per week	3	3	3	3	3
Total per week (Gal)	12,480	10,800	7,680	8,880	14,976
Total Gal per month For these 5 Stations	49,920	43,200	30,720	35,520	59,904

Total for these Stations **219,264** Gal per Month

Controller 2 Prog B	Station 11	Station 12	Station 13	Station 14	Station 15
Area being watered	Lawn	lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	45	45	38	45	52
Runtime	80	80	80	80	80
Number of days per week	3	3	3	3	3
Total per week (Gal)	3,600	3,600	2,560	3,040	4,160
Total Gal per month For these 5 Stations	14,400	14,400	10,240	12,160	16,640

Total for these Stations **67,840** Gal per Month

Controller 2 Prog B	Station 16	Station 17	Station 18	Station 19	Station 20
Area being watered	Lawn	lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	45	45	38	30	30
Runtime	80	80	80	80	80
Number of days per week	3	3	3	3	3
Total per week (Gal)	10,800	10,800	9,120	7,200	7,200
Total Gal per month For these 5 Stations	43,200	43,200	36,480	28,800	28,800

Total for these Stations **180,480** Gal per Month

Monthly for Control #2: **690,184 Gallons Per month**

Meter: 53522228 (S side of 1130 Grouse Ridge)

Controller: 3 (corner of Buck Point/Grouse Ridge)

Controller 3 Prog A	Station 1	Station 2	Station 3	Station 4	Station 5
Area being watered	Lawn	lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	37	30	30	43	45
Runtime	80	80	80	80	80
Number of days per week	3	3	3	3	3
Total per week (Gal)	8,880	7,200	7,200	10,320	10,800
Total Gal per month For these 5 Stations	35,520	28,800	28,800	41,280	43,200
Total for these Stations	177,600 Gal per Month				

Controller 3 Prog A	Station 6	Station 7	Station 8	Station 9	Station 10
Area being watered	Lawn	lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Rotor	Spray	Spray
Flow Rate (Gal/min)	34	39	21	39	45
Runtime	80	80	120	80	80
Number of days per week	3	3	3	3	3
Total per week (Gal)	8,160	9,360	7,560	9,360	10,800
Total Gal per month For these 5 Stations	32,640	37,440	30,240	37,440	43,200

Total for these Stations **180,960** Gal per Month

Controller 3 Prog A	Station 11	Station 23	NODE
Area being watered	Lawn	lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray
Flow Rate (Gal/min)	49	39	32
Runtime	80	80	40
Number of days per week	3	3	3
Total per week (Gal)	11,760	9,360	3,840
Total Gal per month For these 5 Stations	47,040	37,440	15,360
Total for these Stations	99,840		

Controller 3 Prog B	Station 12	Station 13	Station 14	Station 15	Station 16
Area being watered	Lawn	lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	60	40	38	38	45
Runtime	80	80	80	80	80
Number of days per week	4	4	4	4	4
Total per week (Gal)	19,200	12,800	12,160	12,160	14,400
Total Gal per month For these 5 Stations	47,040	37,440	15,360		
Total for these Stations	70,720				

Controller 3 Prog B	Station 17	Station 18	Station 19	Station 20	Station 21
Area being watered	Lawn	lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	28	36	39	37	40
Runtime	80	80	80	80	80
Number of days per week	4	4	4	4	4
Total per week (Gal)	8,960	11,520	12,480	11,840	12,800
Total Gal per month For these 5 Stations	35,840	46,080	49,920	47,360	51,200
Total for these Stations	230,400				

Controller 3 Prog B	Station 22	Station 30	Station 31
Area being watered	Lawn	lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray
Flow Rate (Gal/min)	23	32	38
Runtime	80	80	80
Number of days per week	4	4	4
Total per week (Gal)	7,360	10,240	12,160
Total Gal per month			
For these 5 Stations	29,440	40,960	48,640
Total for these Stations	119,040		

Monthly for Control #3: 878,560 Gallons Per month

Total for all controllers: 2,063,464 Gallons Per Month

This is the approximate gallons per month for your entire sprinkler system. The amount is based off the water schedule programed into your control panels. We collected the gallons per min by running each station. We took a starting read at the meter then a final read. The length of time the meter ran and the amount of water used during that time gave us the gallons used.

This is not representing the amount of water used during the irrigation season.

The example below is based off a 10 year average the City of Medford created containing percentages for the entire valley. It takes into consideration evaporation rates for our climate. This example is a reference, adjust as needed to reflect actual weather, site conditions and specific sprinkler used. Take into consideration that trees and shrubs prefer less frequent watering one to two days a week for deeper root penetration whereas grass prefers two to three days per week.

RECOMMENDATIONS

Current Controller Schedule:

Below was the schedule your controller was set for before we came out for APRIL.

Prog A	Station 1 Controller 1	Station 2 Controller 1	Station 6 Controller 1	Station 7 Controller 1	Station 9 Controller 1
Sprinkler Type	Spray	Spray	Spray	Spray	Spray
Location / Plant Type	Lawn	Lawn	Shrub	Shrub	Shrub
Start Times	4am / 5:30am / 7:30am / 9:15am				
Minutes / Cycle	20	20	25	25	20
Watering Days	Tues, Wed, Fri, Sun	Tues, Wed, Fri, Sun	Tues, Wed, Fri, Sun	Tues, Wed, Fri, Sun	Tues, Wed, Fri, Sun
Minutes / Week	320	320	320	320	320

Suggested Watering Schedule:

This is a summary of suggested changes based off the 10 average for the valley in the month of APRIL maintaining a 4-day watering week.

Prog A	Station 1 Controller 1	Station 2 Controller 1	Station 6 Controller 1	Station 7 Controller 1	Station 9 Controller 1
Sprinkler Type	Spray	Spray	Spray	Spray	Spray
Location / Plant Type	Lawn	Lawn	Shrub	Shrub	Shrub
Start Times	4am / 9pm				
Minutes / Cycle	6	6	8	8	8

Watering Days	Tues, Wed, Fri, Sun	Tues, Wed, Fri, Sun	Tues, Wed, Fri, Sun	Tues, Wed, Fri, Sun	Tues, Wed, Fri, Sun
Minutes / Week	48	48	64	64	64

The Example water schedule is specifically for the month of APRIL. I will attach a copy of the document used to calculate suggested watering times for each month.

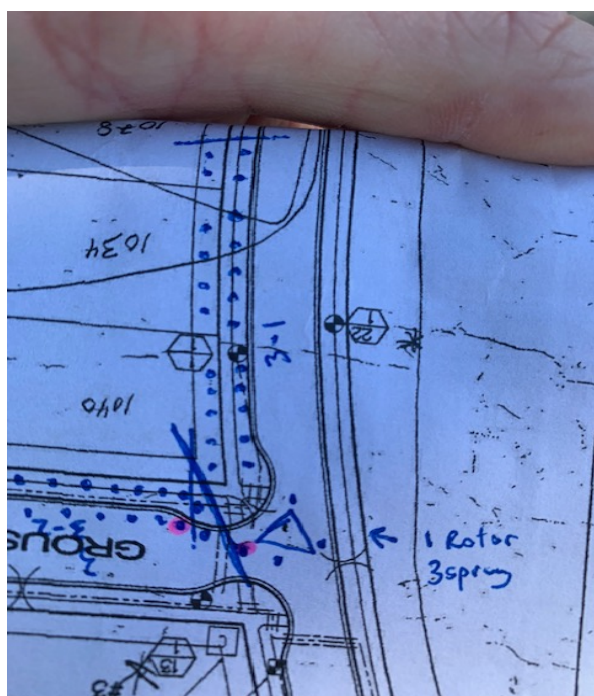
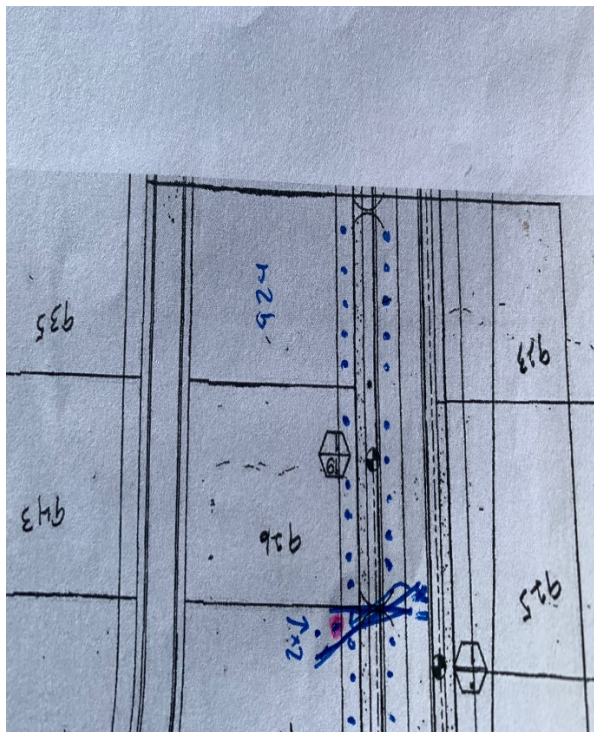
Keep in mind the vegetation may initially react to the change in watering amount. They will be developing root penetration and overall health. Keep in mind some of the areas in your system have combined tree and grass sections.

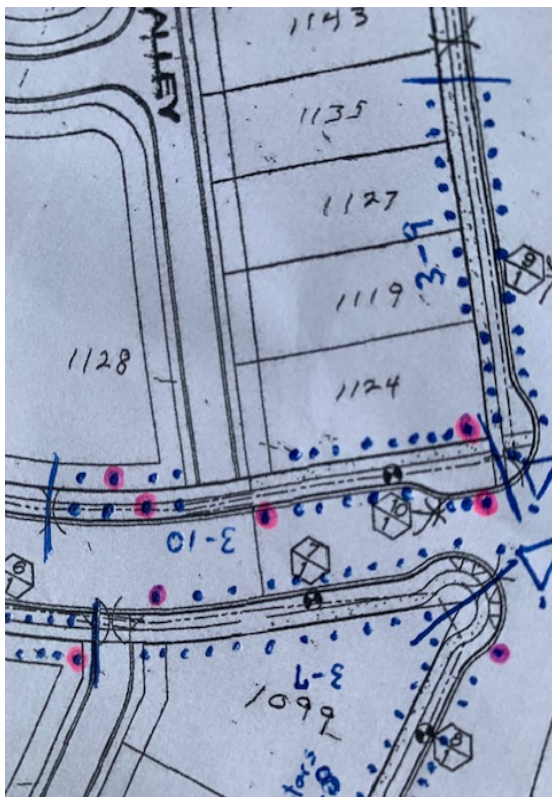
Current monthly gallons = 212,480

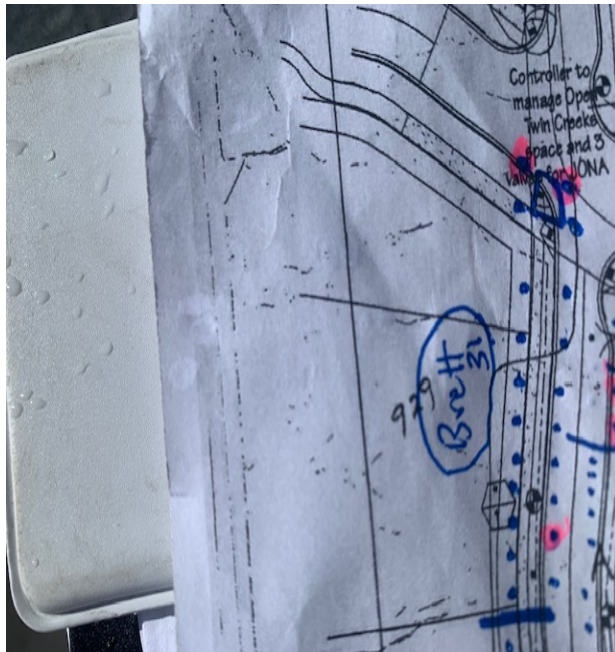
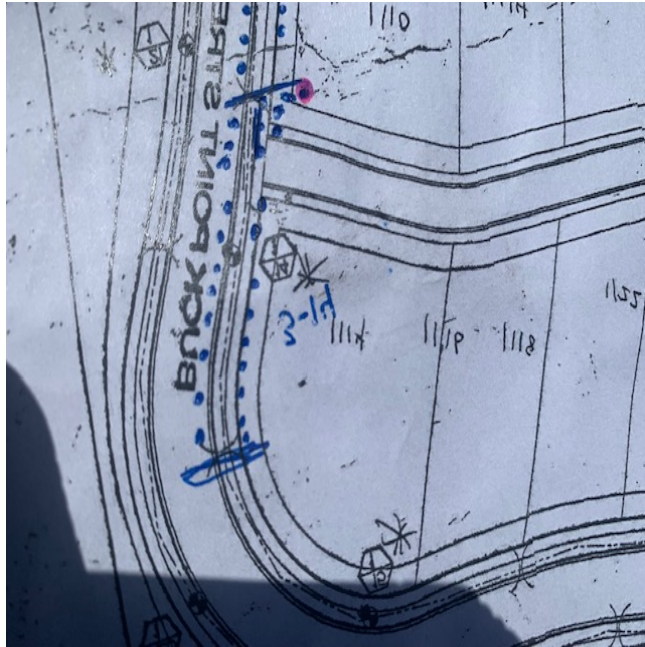
Adjusted monthly gallons = 34,560

The next section contains some photos of deficiencies in your system. Again, this is the first time your sprinkler system has been activated this season. The regular

seasonal maintenance performed by your maintenance department has not taken been started,







We hope these observations and recommendations will be helpful to you in managing your water use and in maintaining a healthy, attractive landscape. The suggestions provided in this report are based on just one visit to your property. When trying any of the ideas presented, please monitor your landscape closely for any changes in plant health. If you have any questions about any of these recommendations, or about how to implement them, please do not hesitate to call.

Sincerely,
Customer Service Technician's

Steve MacCarthy - 541-727-8441
Chris Doss - 541-841-6623



Moore (W L) Const

Landscape Sprinkler Evaluation Report

Thank you for participating in our Sprinkler Evaluation Program. Overall, your system appeared to be in good condition however, you can improve on its operation and increase water efficiency by addressing maintenance items and with seasonal adjustments for the watering schedule. This report is provided as a summary of the observations and recommendations made during the site visit.

GENERAL OBSERVATIONS

- ◆ We visually inspected and manually ran random sprinkler stations/Zones at each of your water meters to assess the configuration, general condition, and performance of your system.
- ◆ The System has not been turned on this season, deficiencies have not been identified by your landscape dept yet.
- ◆ Your system has a lawn strips, lawn Areas and Shrub areas.
- ◆ We ran water meters 66190781, 69498621, 66193358, 66190754, 69498622, 63194521, 61740530 and 88458908
- ◆ This Evaluation will show water usage for 4 of your controllers.
- ◆ The Meter ID will be posted under each of the specified controllers.
- ◆ Your system has the budget function set at 50%, our totals represent 100%.

Controller location: (near) 447 Richardson Dr

Water Meter ID/Location: 66190781 / (Near) 620 N Haskell St

Controller 1 (66190781)	prog A	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Area being watered		Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers		Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)		27	35	35	47	45
Runtime (total)		20	40	20	20	20
Number of days per week		4	4	4	4	4
Total per week (Gal)		2,160	2,800	2,800	3,760	3,600

For these Zones	8,640	11,200	11,200	15,040	14,400
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Controller 1 prog A (66190781)	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	40	38	35	35	32
Runtime (total)	20	20	20	20	20
Number of days per week	4	4	4	4	4
Total per week (Gal)	3,200	3,040	2,800	2,800	2,560

Total Gal per month For these Zones	12,800	12,160	11,200	11,200	10,240
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Total for these Zones **57,600** Gal per Month

Controller 1 prog A (66190781)	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	28	33	28	34	30
Runtime (total)	20	20	20	40	20
Number of days per week	4	4	4	4	4
Total per week (Gal)	2,240	2,640	2,240	2,720	2,400

Total Gal per month For these Zones	8,960	10,560	8,960	10,880	9,600
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Controller 1 prog A (66190781)	Zone 16	Zone 17	Zone 18
Area being watered	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray
Flow Rate (Gal/min)	32	33	36
Runtime (total)	20	20	20
Number of days per week	4	4	4
Total per week (Gal)	2,560	2,640	1,440
Total Gal per month	8,960	10,560	5,760



- ◆ Here are some examples of broken heads for this controller.
- ◆ Adjustments to heads and repairs will prevent excess water flowing into gutter pan and sidewalks.
- ◆ A lot of the sprinklers didn't pop up because of tree roots covering them.

Controller location: (near) 447 Richardson Dr

Water Meter ID/Location: 69498621 / (Near) 457 Richardson Dr

Controller 2 prog A (69498621)	Zone 1	Zone 2	Zone 3	Zone 4
Area being watered	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Rotor	Rotor	Rotor	Spray
Flow Rate (Gal/min)	32	29	29	23
Runtime (total)	60	60	60	15
Number of days per week	3	3	3	3
Total per week (Gal)	7,680	5,220	5,220	1,035
Total Gal per month For these Zones	30,720	20,880	20,880	4,140

Controller 2 prog A (69498621)	Zone 5	Zone 6
Area being watered	Lawn	Lawn
Type of Sprinklers	Rotor	Rotor
Flow Rate (Gal/min)	14	38
Runtime (total)	75	75
Number of days per week	3	3
Total per week (Gal)	3,150	8,550
Total Gal per month For these Zones	30,720	34,200

Meter 69498621: Grass Strip, Pop up Spray, Rotors



- 💧 This Zone had some broken sprinkler heads and spray adjustments to prevent watering the gutter pan.

Controller location: (Side of Building) 646 Blue Moon Dr

Water Meter ID/Location: 66193358 / (Near) 638 Blue Moon Dr

(Not all Zones on this controller are being used, we listed the used zones in order)

Controller 3 prog A (66193358)	Zone 4	Zone 5	Zone 10	Zone 11	Zone 12
Area being watered	Lawn	Lawn	Strip	Shrubs	Strip
Type of Sprinklers	Spray	Spray	Spray	Drip	Spray
Flow Rate (Gal/min)	10	10	21	.87	15.5
Runtime (total)	14	14	30	30	30
Number of days per week	3	3	3	3	3
Total per week (Gal)	420	420	1,890	78.3	1,395
Total Gal per month For these Zones	1,680	1,680	7,560	313.2	5,580

Controller 3 prog A (66193358)	Zone 13	Zone 14	Zone 16	Zone 17	Zone 20
Area being watered	Strip	Strip	Shrubs	Shrubs	Shrubs
Type of Sprinklers	Spray	Spray	Spray	Drip	Drip
Flow Rate (Gal/min)	14	22	.87	1	.6
Runtime (total)	30	30	20	20	20
Number of days per week	3	3	3	3	3
Total per week (Gal)	1,260	1,980	52.2	60	36
Total Gal per month For these Zones	5,040	7,920	208.8	240	144

Meter 66193358: Grass Strip, Pop up Spray



- ◆ Broken Sprinkler heads in this section
- ◆ Sprinklers out of alignment
- ◆ This is the first time the system has been turned on this season so there might be more deficiencies that would need to be addressed.

Controller location: (Side of Building) 679 Grouse Ridge Dr

Water Meter ID/Location: 88458908 / (Near) 679 Grouse Ridge Dr

Controller 4 prog A (88458908)	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Area being watered	Strip	Strip	Strip	Strip	Strip
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	30	32	38	30	30
Runtime (total)	20	20	20	20	20
Number of days per week	3	3	3	3	3
Total per week (Gal)	1,800	1,920	2,280	1,800	1,800
Total Gal per month For these Zones	7,200	7,680	9,120	7,200	7,200

Controller 4 prog A (88458908)	Zone 17	Zone 18	Zone 19	Zone 21	Zone 22
Area being watered	Shrub	Lawn	Lawn	Strip	Strip
Type of Sprinklers	Rotor	Rotor	Rotor	Spray	Spray
Flow Rate (Gal/min)	15	15	30	37	30
Runtime (total)	30	30	30	20	20
Number of days per week	3	3	3	3	3
Total per week (Gal)	1,350	1,350	2,700	2,220	1,800
Total Gal per month For these Zones	5,400	2,700	10,800	8,880	7,200

Controller 4 prog A (88458908)	Zone 24
Area being watered	Planter
Type of Sprinklers	spray
Flow Rate (Gal/min)	41
Runtime (total)	20
Number of days per week	3
Total per week (Gal)	2,460
Total Gal per month For these Zones	9,840

Controller 4 prog B (88458908)	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10
Area being watered	Shrub	Shrub	Shrub	Shrub	Shrub
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	22.5	30	30	30	37
Runtime (total)	20	20	20	20	20
Number of days per week	2	2	2	2	2
Total per week (Gal)	900	1,200	1,200	1,200	1,480
Total Gal per month For these Zones	3,600	4,800	4,800	4,800	5,920

Controller 4 prog B (88458908)	Zone 11	Zone 12
Area being watered	Shrub	Shrub
Type of Sprinklers	Spray	Spray
Flow Rate (Gal/min)	37	22.5
Runtime (total)	20	20
Number of days per week	2	2
Total per week (Gal)	1,480	900
Total Gal per month For these Zones	5,920	3,600

Meter 88458908: Grass Strip, Pop up Spray

88458908
Zone 18



- ◆ Sprinkler alignment needs to be addressed
- ◆ Target areas for spray needs to be addressed
- ◆ Over watering should be looked at
- ◆ General adjustments and repairs should be made

Controller location: behind water meter N/W of path

Water Meter ID/Location: 83194521 / (Adjacent) from 501 buck

Controller 6 prog A (83194521)	Zone 1	Zone 3	Zone 4	Zone 5	Zone 6
Area being watered	Shrub	Shrub	Shrub	Shrub	Shrub
Type of Sprinklers	Rotor	Rotor	Rotor	Rotor	Rotor
Flow Rate (Gal/min)	7.5	22.5	22.5	22.5	30
Runtime (total)	30	30	30	30	30
Number of days per week	2	2	2	2	2
Total per week (Gal)	450	1,350	1,350	1,350	1,800
Total Gal per month For these Zones	1,800	5,400	5,400	5,400	7,200

Controller 6 prog A (83194521)	Zone 7	Zone 9
Area being watered	Shrub	Shrub
Type of Sprinklers	Rotor	Rotor
Flow Rate (Gal/min)	22.5	22.5
Runtime (total)	30	30
Number of days per week	2	2
Total per week (Gal)	1,350	1,350
Total Gal per month For these Zones	5,400	5,400

Controller 6 prog B (83194521)	Zone 2	Zone 8
Area being watered	Lawn	Lawn
Type of Sprinklers	Rotor	Rotor
Flow Rate (Gal/min)	22.5	37.5
Runtime (total)	90	90
Number of days per week	3	3
Total per week (Gal)	6,075	10,125
Total Gal per month For these Zones	27,337	45,562



- Sprinkler alignment
- Broken Sprinkler heads
- Under pressured rotors

WATERING SCHEDULE

- ◆ This is a 10 year average for the valley created by the city of Medford.
- ◆ It gives a good example of a watering schedule that promotes root health.
- ◆ The example at the bottom of this section will use a current watering schedule in your system and the corresponding proposed adjustment.

Sample Lawn Watering Schedule					
Biweekly Period	Approximate Lawn Water Needs (Inches per Week) ⁽¹⁾	% Adjust ⁽²⁾	Total Watering Time <u>Per Week</u>		
			Standard Sprays ⁽³⁾	Rotor Sprinklers ⁽³⁾	Multi-Stream Rotators ⁽³⁾
May 1-15	1.04	60%	42 minutes	100 minutes	156 minutes
May 16-31	1.21	70%	48 minutes	116 minutes	181 minutes
June 1-15	1.40	80%	56 minutes	134 minutes	210 minutes
June 16-30	1.59	90%	64 minutes	153 minutes	238 minutes
July 1-15	1.76	100%	70 minutes	169 minutes	264 minutes
July 16-31	1.71	100%	68 minutes	164 minutes	256 minutes
Aug 1-15	1.50	90%	60 minutes	144 minutes	225 minutes
Aug 16-31	1.33	80%	53 minutes	128 minutes	199 minutes
Sep 1-15	1.09	60%	44 minutes	105 minutes	163 minutes
Sep 16-30	0.84	50%	34 minutes	80 minutes	126 minutes

(1) Use this schedule as a reference, adjusting as needed to reflect actual weather, site conditions and specific sprinklers used. When water needs are met by rain, reduce watering accordingly.

(2) Use Seasonal Percentage Adjust feature on sprinkler controller. Percentages based on July values. Certain controllers can adjust in 5% increments, giving you more precise run times. We recommend adjusting to the closest percentage available on your controller.

(3) These run times are based on irrigation industry average results for sprinklers. They assume an application rate of **1.5** inches per hour for standard spray heads, **0.625** inch per hour for rotor sprinklers, and **0.4** inch per hour for multi-stream rotators.

Example water requirement calculation:
 Weekly irrigation = 1.70 in. (ET) / 1.5 in/hr (application rate of sprays) x 60 = 68 minutes per week

Shrub and Tree Watering: The sample schedules above apply to lawns. Most shrubs and trees prefer deeper, less frequent watering. If you use spray heads to water shrubs and trees, try cutting the above weekly run times by 1/2 to 2/3. If your timer has **multiple program** capability, try placing your lawns on program 'A', and your shrub/tree zones on program 'B'. This will allow you to water your lawns every two or three days, while watering shrubs and trees just once or twice per week. To conserve even more water, consider switching your trees and shrubs to drip irrigation. If trees are located in lawn areas, occasionally spot water them deeply.

The watering times above apply only to lawns. Most shrubs and trees prefer deeper, less frequent watering. The following is a recommendation for determining other vegetation water needs:

- **Vegetables:** 75-100% of lawn (ET)
- **Shrubs & Perennials:** 50-60% of lawn (ET)
- **Waterwise plants:** 30-40% of lawn (ET)
- **Trees:** Newly planted trees need regular water for the first couple of years, while established trees may need only a deep soak once or twice in summer.

💧 Sample Shrub Watering Schedule 💧

Biweekly Period	Water-Wise Shrubs 40% Lawn ET	Total Per Week Micro-sprays, Bubblers	Total Per Week for Low Volume Drip
May 1-15	0.38	45 Minutes	76 Minutes
May 16-31	0.48	58 Minutes	96 Minutes
June 1-15	0.56	68 Minutes	112 Minutes
June 16-30	0.64	78 Minutes	128 Minutes
July 1-15	0.68	82 Minutes	140 Minutes
July 16-31	0.68	82 Minutes	140 Minutes
Aug 1-15	0.60	72 Minutes	120 Minutes
Aug 16-31	0.53	64 Minutes	106 Minutes
Sep 1-15	0.43	52 Minutes	86 Minutes
Sep 16-30	0.34	40 Minutes	68 Minutes

When to Water: Running sprinklers between sunset and sunrise is best, as temperatures are at their lowest and the air is calm. Water pressure also tends to be most reliable prior to daylight, when other water demands are low. Daytime watering results in high water losses from evaporation. Daytime temperatures often peak around 4 p.m. and breezes are common, so wait until **at least** 9 p.m. if you prefer evening watering.

How to Water: If your timer has **multiple start time** capability, utilizing it will allow you to split a day's watering into two or more cycles. This can be particularly beneficial in our region where clay soils tend to absorb water very slowly. "Cycle and soak" irrigation allows water from each cycle to absorb into the soil before more water is applied. For example, the above chart suggests watering during the first part of June for 56 total minutes per week when using standard spray heads. Splitting this time among four watering days would mean 14 minutes of run time each watering day. Rather than applying this water all at once, try splitting each day's watering into three cycles of 5 minutes each. To do this, set the timer for three start times per watering day **spaced about an hour apart**.

If you have any question please do not hesitate to call.

I hope these observations and recommendations will be helpful to you in managing your water use and in maintaining a healthy, attractive landscape. The suggestions provided in this report are based on just one visit to your property. When trying any of the ideas presented, please monitor your landscape closely for any changes in plant health. If you have any questions about any of these recommendations, or about how to implement them, please do not hesitate to call us.

Sincerely,

Customer Service Technicians
 Steve MacCarthy - 541-727-8441
 Chris Doss - 541-841-6623



Date 7/11/24

North Village HOA

Landscape Sprinkler Evaluation Report

Thank you for participating in our Sprinkler Evaluation Program. Overall, your system appeared to be in excellent condition. The majority of the issues we observed were either flagged for repair, or one of you team verbally addressed the deficiencies before we reached the Zone/Station. However, you can improve on its operation and increase water efficiency by addressing those maintenance items and with seasonal adjustments for the watering schedule. This report is provided as a summary of the observations and recommendations made during the site visit.

GENERAL OBSERVATIONS

- ◆ We ran all zones in your sprinkler system
- ◆ We physically looked at every sprinkler head in your sprinkler system
- ◆ We collected program info including watering days, start times and Gallons per min.
- ◆ Attached is a copy of Medford's suggest watering schedule for Lawns and shrubs.
- ◆ If you decide to adjust your watering times make sure monitor the vegetation.

CURRENT WATERING SCHEDULE

Controller #1

Meter 66191008

Prog A	Zone 1	Zone 2	Zone 5	Zone 6	Zone 7	
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn	
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	
Flow Rate (Gal/min)	40.37	36.21	25.55	29.27	27.34	
Runtime	20	20	20	20	20	
Number of days per week	3	3	3	3	3	
Total per week (Gal)	2422.2	2172.6	1533	1756.2	1640.4	



Controller #2
Meter 66190810

Prog B	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	24.26	30.14	27.34	39.46	40.21	41.94
Runtime	20	20	20	20	20	20
Number of days per week	3	3	3	3	3	3
Total per week (Gal)	1455.6	1808.4	1640.4	2367.6	2412.6	2516.4

Controller #2
Meter 66190810

Prog B	Zone 10	Zone 11	Zone 14	Zone 15	Zone 16	Zone 17
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	37.47	34.56	33.28	30.11	29.63	40.13
Runtime	20	20	20	20	20	20
Number of days per week	3	3	3	3	3	3
Total per week (Gal)	2248.2	2073.6	1996.8	1806.6	1777.8	2407.8

Contoller #2
Meter 66190810

Prog B	Zone 18	Zone 19	Zone 20	Zone 21		
Area being watered	Lawn	Lawn	Lawn	Lawn		
Type of Sprinklers	Spray	Spray	Spray	Spray		
Flow Rate (Gal/min)	41.56	40.14	35.76	32.58		
Runtime	20	20	20	20		
Number of days per week	3	3	3	3		
Total per week (Gal)	2493.6	2408.4	2145.6	1954.8	0	0

Controller #3**Meter 75582914**

Prog A	Zone 1	Zone 2	Zone 4	Zone 5	Zone 6	Zone 7
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	34.25	0	34.75	30.85	35.6	33.14
Runtime	20	0	20	20	20	20
Number of days per week	3	0	3	3	3	3
Total per week (Gal)	2376	2310	1998	2094	2316	2542.8

Controller #3**Meter 75582914**

Prog A	Zone 8	Zone 9	Zone 10	Zone 11	Zone 12	Zone 13
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	39.6	38.5	33.3	34.9	38.6	42.38
Runtime	20	20	20	20	20	20
Number of days per week	3	3	3	3	3	3
Total per week (Gal)	2376	2310	1998	2094	2316	2542.8

Controller #3**Meter 75582914**

Prog A	Zone 14	Zone 15	Zone 16	Zone 18	Zone 19	Zone 20
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	49.2	34.84	33.96	41.43	36.47	34.66
Runtime	20	20	20	20	20	20
Number of days per week	3	3	3	3	3	3
Total per week (Gal)	2952	2090.4	2037.6	2485.8	2188.2	2079.6

Controller #3**Meter 75582914**

Prog A	Zone 21	Zone 22	Zone 23	Zone 24		
Area being watered	Lawn	Lawn	Lawn	Lawn		
Type of Sprinklers	Spray	Spray	Spray	Spray		
Flow Rate (Gal/min)	27.87	33.41	40.83	29.77	0	0
Runtime	20	20	20	20	0	0
Number of days per week	3	3	3	3	0	0
Total per week (Gal)	1672.2	2004.6	2449.8	1786.2	0	0

Controller #4**Meter 58748654**

Prog A	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	21.38	22.88	25.93	22.68	30.94	25.1
Runtime	20	20	20	20	20	20
Number of days per week	3	3	3	3	3	3
Total per week (Gal)	1282.8	1372.8	1555.8	1360.8	1856.4	1506

Controller #4**Meter 58748654**

Prog A	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	Zone 12
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	25.16	24.89	20.5	23.93	25.91	25.85
Runtime	20	20	20	20	20	20
Number of days per week	3	3	3	3	3	3
Total per week (Gal)	1509.6	1493.4	1230	1435.8	1554.6	1551

Controller #5**Meter 58748654**

Prog	A	Zone 3	Zone 4	Zone 5	Zone 8	Zone 9	Zone 10
Area being watered		Shrubs	Shrubs	Tree	Shrubs	Shrubs	Shrubs
Type of Sprinklers		Spray	Spray	Drip	Spray	Spray	Spray
Flow Rate (Gal/min)		30.65	20.24	6.14	11.33	20.63	22.23
Runtime		20	20	20	20	20	20
Number of days per week		3	3	3	3	3	3
Total per week (Gal)		1839	1214.4	368.4	679.8	1237.8	1333.8

Controller #5**Meter 58748654**

Prog B	Zone 1	Zone 2				
Area being watered	Shrubs	Shrubs				
Type of Sprinklers	Rotors	Rotors				
Flow Rate (Gal/min)	26.61	28.25	0	0	0	0
Runtime	62	66	0	0	0	0
Number of days per week	3	3	0	0	0	0
Total per week (Gal)	4949.46	5593.5	0	0	0	0

Controller #6**Meter 58748643**

Prog A	Zone 1	Zone 2	Zone 3	Zone	Zone	Zone
Area being watered	Lawn	Lawn	Lawn			
Type of Sprinklers	Rotor	Rotor	Rotor			
Flow Rate (Gal/min)	22.67	35.56	28.23	0	0	0
Runtime	40	88	48	0	0	0
Number of days per week	6	6	6	0	0	0
Total per week (Gal)	5440.8	18775.68	8130.24	0	0	0

Controller #6**Meter 58748643**

Prog B	Zone 4	Zone 5	Zone	Zone	Zone	Zone
Area being watered	Shrubs	Shrubs				
Type of Sprinklers	MP Rotor	Van Head				
Flow Rate (Gal/min)	31.63	28.58	0	0	0	0
Runtime	48	20	0	0	0	0
Number of days per week	3	3	0	0	0	0
Total per week (Gal)	4554.72	1714.8	0	0	0	0

Controller #7**Meter 58748661**

Prog A	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	27.5	28.7	28.7	31.32	31.71	27.95
Runtime	20	20	20	20	20	20
Number of days per week	4	4	4	4	4	4
Total per week (Gal)	2200	2296	2296	2505.6	2536.8	2236

Controller #7**Meter 58748661**

Prog A	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	Zone 12
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	23.63	22.43	26.1	31.65	26.51	29.63
Runtime	20	20	20	20	20	20
Number of days per week	4	4	4	4	4	4
Total per week (Gal)	1890.4	1794.4	2088	2532	2120.8	2370.4

Controller #7**Meter 58748661**

Prog A	Zone 13	Zone 14	Zone 15	Zone 16	Zone 17	Zone 18
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	27.09	27.9	27.34	28.59	24.8	27.83
Runtime	20	20	20	20	20	20
Number of days per week	4	4	4	4	4	4
Total per week (Gal)	2167.2	2232	2187.2	2287.2	1984	2226.4



Controller #7**Meter 58748661**

Prog A	Zone 19	Zone 20	Zone 21	Zone 22	Zone 23	Zone 24
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	26.47	23.76	27.79	29.58	27.97	25.34
Runtime	20	20	20	20	20	20
Number of days per week	4	4	4	4	4	4
Total per week (Gal)	2117.6	1900.8	2223.2	2366.4	2237.6	2027.2

Controller #7**Meter 58748661**

Prog B	Zone 25	Zone 26	Zone 27	Zone 28	Zone 29	Zone 30
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	26.51	24.06	21.22	20.17	29.29	27.32
Runtime	20	20	20	20	20	20
Number of days per week	3	3	3	3	3	3
Total per week (Gal)	1590.6	1443.6	1273.2	1210.2	1757.4	1639.2

Controller #7**Meter 58748661**

Prog B	Zone 31	Zone 32	Zone 33	Zone 34	Zone 35	Zone 36
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	25.61	28.86	28.77	31.87	27.79	31.51
Runtime	20	20	20	20	20	20
Number of days per week	3	3	3	3	3	3
Total per week (Gal)	1536.6	1731.6	1726.2	1912.2	1667.4	1890.6

Controller #7**Meter 58748661**

Prog	Zone 37	Zone 38	Zone 39	Zone 40	Zone 41	Zone 42
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	35.18	32.62	31.02	22.79	31.56	35.12
Runtime	20	20	20	20	20	20
Number of days per week	3	3	3	3	3	3
Total per week (Gal)	2110.8	1957.2	1861.2	1367.4	1893.6	2107.2

Controller #7**Meter 58748661**

Prog	Zone 43	Zone 44	Zone 45	Zone 46	Zone 47	Zone 48
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	34.94	34	26.32	31.58	28.4	19.53
Runtime	20	20	20	20	20	20
Number of days per week	3	3	3	3	3	3
Total per week (Gal)	2096.4	2040	1579.2	1894.8	1704	1171.8

NODES**Meter 58748654**

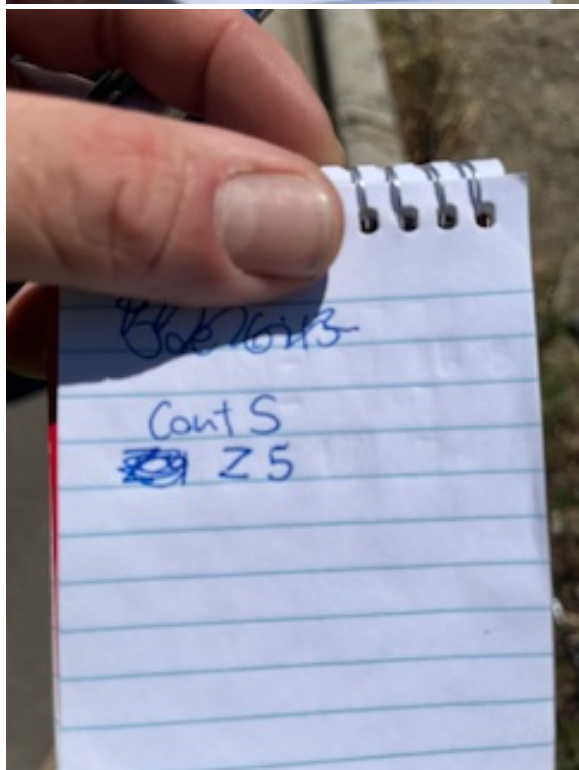
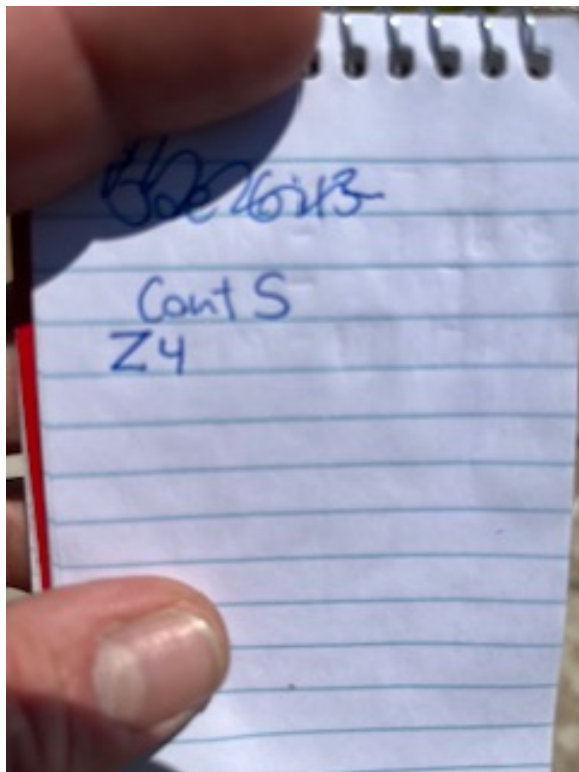
Prog NODE 1	Zone	Zone	Zone	Zone	Zone	Zone
Area being watered	Lawn					
Type of Sprinklers	Spray					
Flow Rate (Gal/min)	23.26					
Runtime	20					
Number of days per week	3					
Total per week (Gal)	1395.6	0	0	0	0	0

Meter 66191008

Prog NODE 2, 3	Zone	Zone	Zone	Zone	Zone	Zone
Area being watered	Lawn	Lawn				
Type of Sprinklers	Spray	Spray				
Flow Rate (Gal/min)	34.5	26.9				
Runtime	20	20				
Number of days per week	3	3				
Total per week (Gal)	2070	1614	0	0	0	0

PICTURE SECTION

- ◆ The next section contains photos of some deficiencies we observed.
- ◆ The controller # and Zone/Station will be the photo on the left
- ◆ The photo on the right is the picture correlating to the zone/station.



- Broken T
- Stuck Head

Controller 3 Meter 7558
Medford Water Commission
Sprinkler System Evaluation Worksheet

Date: _____ Customer: _____ Address: _____

Flow Type: ☐ DAVB ☐ PVBA ☒ OOVA ☐ RPBA Assembly Location: _____

Read sprinkler control box; recorded pertinent data:

and model: _____

and time: ☐ Percentage adjust ☐ Multiple start times ☐ Multi-program ☐ Other: _____
(Remind customers to change it annually!)

Program	Zone	Days	Start time 1	Start time 2	Start time 3	Run time	Sprinkler (spec)	Zone
1	1	1-7-9	7:30	4:30	6:30	5	Pop up 5/8" x 1/2"	1
2	2							2
3	3							3
4	4							4
5	5							5
6	6							6
7	7							7
8	8							8
9	9							9
10	10							10
11	11							11
12	12							12
13	13							13
14	14							14

Total Weekly Run Time for Zone: _____ minutes per cycle • _____ (What cycles per day) • _____ (Days per week) • _____

System Pressure: _____ PSI measured at: _____ (Check table, sprinkler head, etc.)

Marked on each zone: noted problems, suggestions, etc. (record in table above). ☐ Corrected easily from _____



Good

Zone 6: Good

Zone 7: Tilt

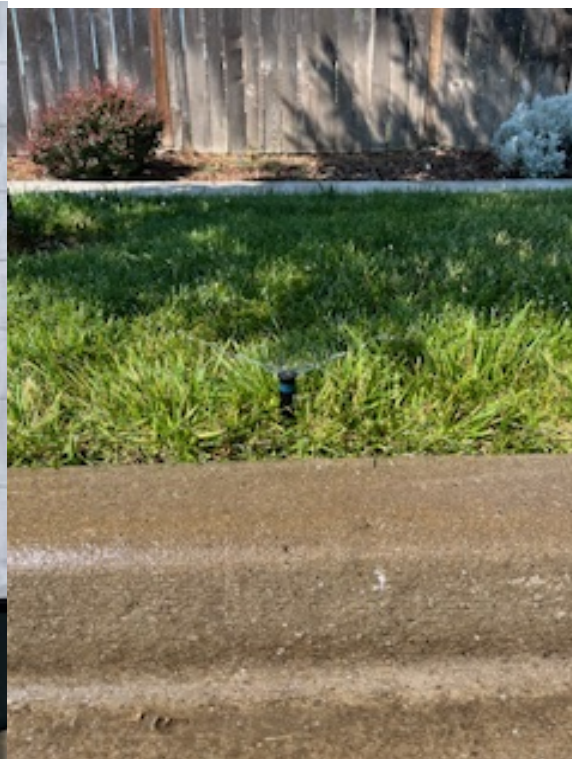
Zone 8: Good Bridge Creek N side

Zone 9: Good

Zone 10:

Zone 11:

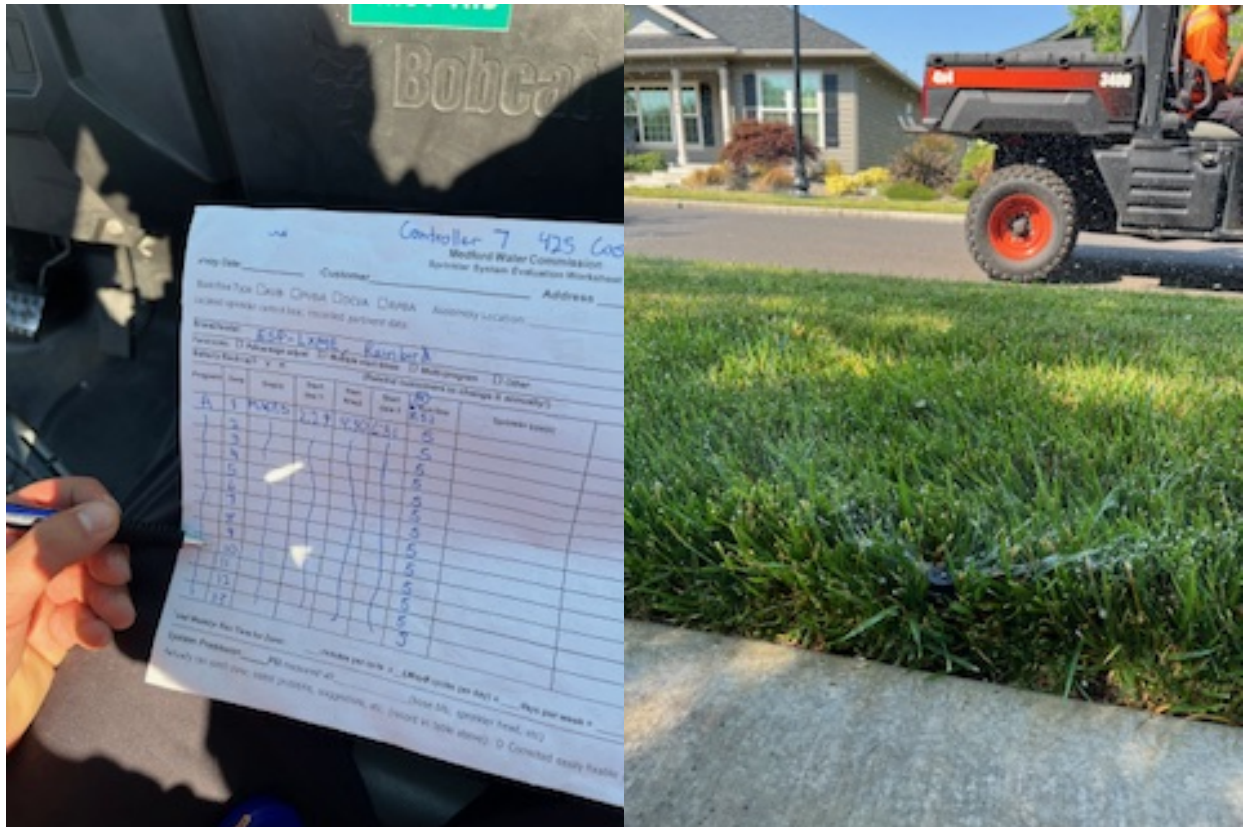
Zone 12:



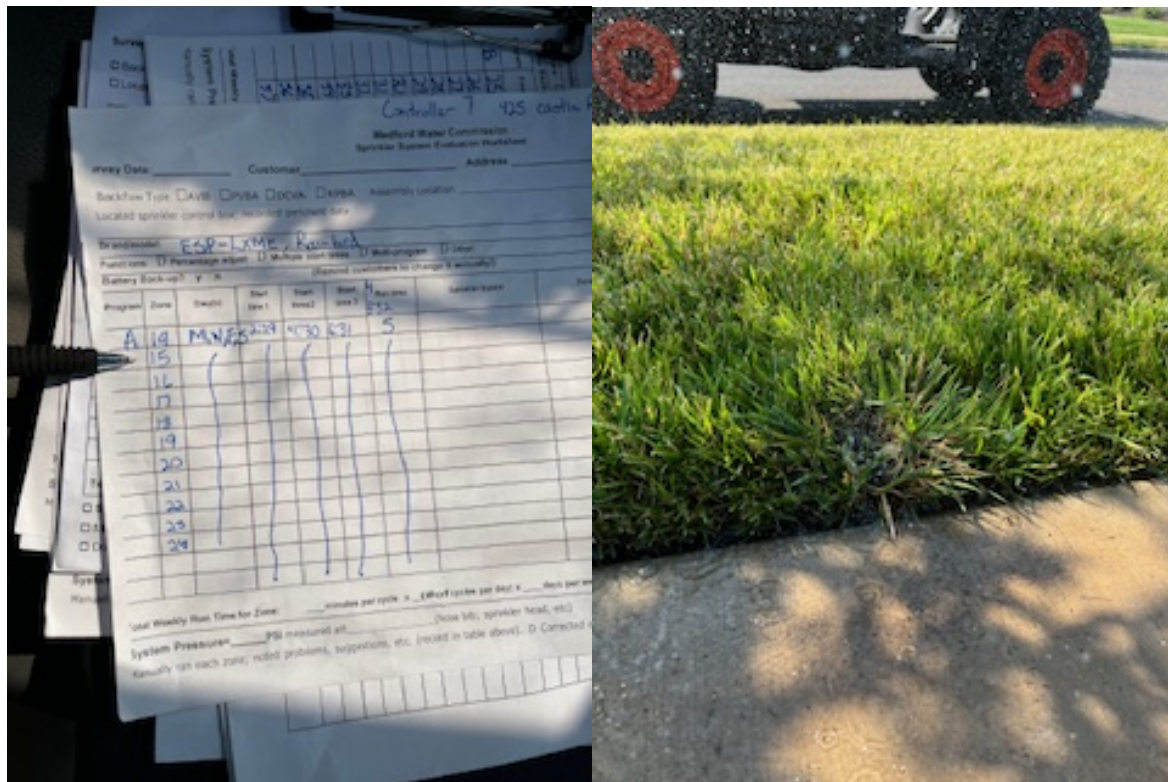
- 💧 Stuck Head
- 💧 Tilt



(ZONE 13)



Broken Head



Continuation 7 425
Medford Water Commission
Sprinkler System Evaluation Worksheet

Survey Date: _____ Customer: _____ Address: _____

Backflow Type: ☐ DAB ☐ DVB ☐ DVC ☐ DVB ☐ APBA Assembly Location: _____

Located sprinkler control box; recorded pertinent data:

Brand/Model: ESP-LXME, Rainbird

Function: ☐ Percentage adjust ☐ Multiple start times ☐ Multi-program ☐ Other: _____

Battery Back-up? ☐ Y ☐ N (Remind customers to change it annually!)

Program	Zone	Onset	Start time 1	Start time 2	Start time 3	Run time	Sprinkler type(s)
B	25	W, F, S	2:28	4:30	6:31	5:30	Pop up 1200
	26					5	
	27					5	
	28					5	
	29					5	
	30					5	
	31					5	
	32					5	
	33					5	
	34					5	
	35					5	
	36					5	
	37					5	

Total Weekly Run Time for Zone: _____



Continuation 7 425 Cooper Rock
Medford Water Commission
Sprinkler System Evaluation Worksheet

Survey Date: _____ Customer: _____ Address: _____

Backflow Type: ☐ DAB ☐ DVB ☐ DVC ☐ DVB ☐ APBA Assembly Location: _____

Located sprinkler control box; recorded pertinent data:

Brand/Model: ESP-LXME, Rainbird

Function: ☐ Percentage adjust ☐ Multiple start times ☐ Multi-program ☐ Other: _____

Battery Back-up? ☐ Y ☐ N (Remind customers to change it annually!)

Program	Zone	Onset	Start time 1	Start time 2	Start time 3	Run time	Sprinkler type(s)
B	25	W, F, S	2:28	4:30	6:31	5:30	Pop up 1200
	26					5	
	27					5	
	28					5	
	29					5	
	30					5	
	31					5	
	32					5	
	33					5	
	34					5	
	35					5	
	36					5	
	37					5	

Total Weekly Run Time for Zone: _____



SAMPLE WATERING SCHEDULE

Sample Lawn Watering Schedule

Biweekly Period	Approximate Lawn Water Needs (Inches per Week) ⁽¹⁾	% Adjust ⁽²⁾	Total Watering Time Per Week		
			Standard Sprays ⁽³⁾	Rotor Sprinklers ⁽³⁾	Multi-Stream Rotators ⁽³⁾
May 1-15	1.04	60%	42 minutes	100 minutes	156 minutes
May 16-31	1.21	70%	48 minutes	116 minutes	181 minutes
June 1-15	1.40	80%	56 minutes	134 minutes	210 minutes
June 16-30	1.59	90%	64 minutes	153 minutes	238 minutes
July 1-15	1.76	100%	70 minutes	169 minutes	264 minutes
July 16-31	1.71	100%	68 minutes	164 minutes	256 minutes
Aug 1-15	1.50	90%	60 minutes	144 minutes	225 minutes
Aug 16-31	1.33	80%	53 minutes	128 minutes	199 minutes
Sep 1-15	1.09	60%	44 minutes	105 minutes	163 minutes
Sep 16-30	0.84	50%	34 minutes	80 minutes	126 minutes

(1) Use this schedule as a reference, adjusting as needed to reflect actual weather, site conditions and specific sprinklers used. When water needs are met by rain, reduce watering accordingly.

(2) Use Seasonal Percentage Adjust feature on sprinkler controller. Percentages based on July values. Certain controllers can adjust in 5% increments, giving you more precise run times. We recommend adjusting to the closest percentage available on your controller.

(3) These run times are based on irrigation industry average results for sprinklers. They assume an application rate of 1.5 inches per hour for standard spray heads, 0.625 inch per hour for rotor sprinklers, and 0.4 inch per hour for multi-stream rotators.

Example water requirement calculation:

Weekly irrigation = 1.70 in. (ET) / 1.5 in/hr (application rate of sprays) x 60 = 68 minutes per week

Shrub and Tree Watering: The sample schedules above apply to lawns. Most shrubs and trees prefer deeper, less frequent watering. If you use spray heads to water shrubs and trees, try cutting the above weekly run times by 1/2 to 2/3. If your timer has **multiple program** capability, try placing your lawns on program 'A', and your shrub/tree zones on program 'B'. This will allow you to water your lawns every two or three days, while watering shrubs and trees just once or twice per week. To conserve even more water, consider switching your trees and shrubs to drip irrigation. If trees are located in lawn areas, occasionally spot water them deeply.

The watering times above apply only to lawns. Most shrubs and trees prefer deeper, less frequent watering. The following is a recommendation for determining other vegetation water needs:

- **Vegetables:** 75-100% of lawn (ET)
- **Shrubs & Perennials:** 50-60% of lawn (ET)
- **Waterwise plants:** 30-40% of lawn (ET)
- **Trees:** Newly planted trees need regular water for the first couple of years, while established trees may need only a deep soak once or twice in summer.



200 S. Ivy Street, Room 177
Medford, Oregon 97501

www.medfordwater.org
water@medfordwater.org

Sample Shrub Watering Schedule

Biweekly Period	Water-Wise Shrubs 40% Lawn ET	Total Per Week Micro-sprays, Bubblers	Total Per Week for Low Volume Drip
May 1-15	0.38	45 Minutes	76 Minutes
May 16-31	0.48	58 Minutes	96 Minutes
June 1-15	0.56	68 Minutes	112 Minutes
June 16-30	0.64	78 Minutes	128 Minutes
July 1-15	0.68	82 Minutes	140 Minutes
July 16-31	0.68	82 Minutes	140 Minutes
Aug 1-15	0.60	72 Minutes	120 Minutes
Aug 16-31	0.53	64 Minutes	106 Minutes
Sep 1-15	0.43	52 Minutes	86 Minutes
Sep 16-30	0.34	40 Minutes	68 Minutes

When to Water: Running sprinklers between sunset and sunrise is best, as temperatures are at their lowest and the air is calm. Water pressure also tends to be most reliable prior to daylight, when other water demands are low. Daytime watering results in high water losses from evaporation. Daytime temperatures often peak around 4 p.m. and breezes are common, so wait until **at least** 9 p.m. if you prefer evening watering.

How to Water: If your timer has **multiple start time** capability, utilizing it will allow you to split a day's watering into two or more cycles. This can be particularly beneficial in our region where clay soils tend to absorb water very slowly. "Cycle and soak" irrigation allows water from each cycle to absorb into the soil before more water is applied. For example, the above chart suggests watering during the first part of June for 56 total minutes per week when using standard spray heads. Splitting this time among four watering days would mean 14 minutes of run time each watering day. Rather than applying this water all at once, try splitting each day's watering into three cycles of 5 minutes each. To do this, set the timer for three start times per watering day **spaced about an hour apart**.

For more information on weekly watering schedules call our Lawn Watering Infoline at **541-774-2460**.

Need ideas for your landscape? Visit the Water-Wise Landscaping
Website: www.medford.watersmartgardening.com

Conservation Staff: **541-774-2436**

Website: Medfordwater.org



200 S. Ivy Street, Room 177
Medford, Oregon 97501
Phone (541) 774-2430

www.medfordwater.org
water@medfordwater.org
Fax (541) 774-2555

I hope these observations and recommendations will be helpful to you in managing your water use and in maintaining a healthy, attractive landscape. The suggestions provided in this report are based on just one visit to your property. When trying any of the ideas presented, please monitor your landscape closely for any changes in plant health. If you have any questions about any of these recommendations, or about how to implement them, please do not hesitate to call me at 541-841-6623

Sincerely,

Chris Doss
Customer Service Tech
Cross Connection Specialist



Landscape Sprinkler Evaluation Report

Thank you for participating in our Sprinkler Evaluation Program. Overall, your system appeared to be in good condition however, you can improve on its operation and increase water efficiency by addressing maintenance items and with seasonal adjustments for the watering schedule. This report is provided as a summary of the observations made during the site visit.

GENERAL OBSERVATIONS

- ◆ We manually ran all Zones for meter 57483144
- ◆ We visually inspected all Sprinkler heads
- ◆ There were no noticeable deficiencies in your irrigation system during our visit
- ◆ The distribution uniformity is good in your lawn strips
- ◆ The drip system did not appear to have missing emitters
- ◆ There were no noticeable leaks
- ◆ Your system is in great shape

WATERING SCHEDULE

Node 400	Zone
Area being watered	Shrubs
Type of Sprinklers	Drip
Flow Rate (Gal/min)	6.73
Runtime	60
Number of days per week	7
Total per week (Gal)	2826.6

BT 293399	Zone 1
Area being watered	Lawn
Type of Sprinklers	Spray
Flow Rate (Gal/min)	24.88
Runtime	60
Number of days per week	7
Total per week (Gal)	10449.6



BT 714449	Zone 1	Zone 2	Zone 3	Zone 4
Area being watered	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	17.05	19.14	19.89	20.34
Runtime	20	20	20	20
Number of days per week	6	6	6	6
Total per week (Gal)	2046	2296.8	2386.8	2440.8

BT 850559	Zone 1	Zone 2	Zone 4
Area being watered	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray
Flow Rate (Gal/min)	26.03	25.43	26.92
Runtime	20	20	20
Number of days per week	7	7	7
Total per week (Gal)	3644.2	3560.2	3768.8

BT 850559	Zone 1	Zone 2	Zone 3	Zone 4
Area being watered	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	17.65	6.2	16	11.18
Runtime	20	30	20	30
Number of days per week	6	6	6	6
Total per week (Gal)	2118	1116	1920	2012.4

RECOMMENDATIONS

Your system is in great shape. Your grass strips appear to have good application efficiency which is visible by the color. There are no dead spots. The only questionable thing we noticed was the amount of water in valve boxes. The origin is unknown. It may be a good idea to determine why they are full of water. Other than that fantastic job with your irrigation.

SUGGESTED WATERING SCHEDULE

The charts below are based off a 10 year study of the Valley. This is a good tool to establish water schedules to promote overall health in your vegetation. If you decide to implement any changes I would suggest regular inspection of the vegetation. The vegetation will react to the change as the root depths adjust.

Sample Shrub Watering Schedule			
Biweekly Period	Water-Wise Shrubs 40% Lawn ET	Total <u>Per Week</u> Micro-sprays, Bubblers	Total <u>Per Week</u> for Low Volume Drip
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June 16-30	0.64	78 Minutes	128 Minutes
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Aug 16-31	0.53	64 Minutes	106 Minutes
Sep 1-15	0.43	52 Minutes	86 Minutes
Sep 16-30	0.34	40 Minutes	68 Minutes

Sample Lawn Watering Schedule					
Biweekly Period	Approximate Lawn Water Needs (Inches <u>per Week</u>) ⁽¹⁾	% Adjust ⁽²⁾	Total Watering Time <u>Per Week</u>		
			Standard Sprays ⁽³⁾	Rotor Sprinklers ⁽³⁾	Multi-Stream Rotators ⁽³⁾
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I hope these observations and recommendations will be helpful to you in managing your water use and in maintaining a healthy, attractive landscape. The suggestions provided in this report are based on just one visit to your property. When trying any of the ideas presented, please monitor your landscape closely for any changes in plant health. If you have any questions about any of these recommendations, or about how to implement them, please do not hesitate to call me.

Sincerely,

Chris Doss
Customer Service Technician
541-841-6623



Twin Creeks Retirement LTD

Landscape Sprinkler Evaluation Report

Thank you for participating in our Sprinkler Evaluation Program. Overall, your system appeared to be in good condition however, you can improve on its operation and increase water efficiency by addressing maintenance items and with seasonal adjustments for the watering schedule. This report is provided as a summary of the observations and recommendations made during the site visit.

Meter 57483143

Controller #1 (storage garage)

Prog A	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal./min)	30	44.88	33.66	22.4	29.92	29.92
Runtime	16	20	20	20	20	20
Number of days per week	6	6	6	6	6	6
Total per week (Gal)	2880	5385.6	4039.2	2688	3590.4	3590.4

Prog A	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal./min)	29.92	22.4	33.66	22.4	22.4
Runtime	10	12	12	12	12
Number of days per week	6	6	6	6	6
Total per week (Gal)	1795.2	1612.8	2423.52	1612.8	1612.8



Prog B	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16	Zone 17
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal./min)	18.7	15	15	15	29.92	33.6
Runtime	20	20	20	20	20	20
Number of days per week	3	3	3	3	3	3
Total per week (Gal)	1122	900	900	900	1795.2	2016

Prog B	Zone 18	Zone 19	Zone 20	Zone 21	Zone 22	Zone 23
Area being watered	Lawn	Lawn	Lawn	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal./min)	29.92	29.92	26	22	22.4	22.4
Runtime	20	20	20	20	20	20
Number of days per week	3	3	3	3	3	3
Total per week (Gal)	1795.2	1795.2	1560	1320	1344	1344

Prog B	Zone 25	Zone 26	Zone 27
Area being watered	Lawn	Lawn	Lawn
Type of Sprinklers	Spray	Spray	Spray
Flow Rate (Gal./min)	22.4	22.4	22.4
Runtime	20	20	20
Number of days per week	3	3	3
Total per week (Gal)	1344	1344	1344

Controller #2 (Court Yard)

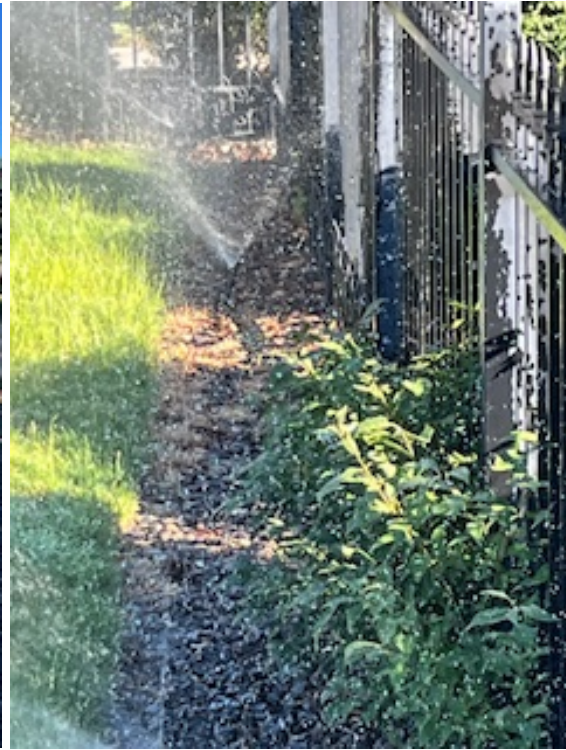
This area had no observable deficiencies other than a few missing emitters.

Prog A	Zone 1	Zone 2
Area being watered	Shrubs	Shrubs
Type of Sprinklers	Drip	Drip
Flow Rate (Gal./min)	11.22	15
Runtime	60	60
Number of days per week	3	3
Total per week (Gal)	2019.6	2700

Controller 1 – Program A - Station 1



High Evaporation Rate



Broken Sprinkler Heads

Controller 1 – Program A – Station 2



Broken Sprinkler Head



Blocked Sprinkler Head]

Controller 1 – Program B



Broken Sprinkler Head



Broken Sprinkler Head



Blocked Sprinkler Head / Pooling Water



Sprinkler Head may be abandoned

Controller #3

Meter 72714500

Prog	Zone 1	Zone 2	Zone 4	Zone 5	Zone 6	Zone 8
Area being watered	Plants	Plants	Plants	Plants	Plants	Plants
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	Spray
Flow Rate (Gal/min)	19	21	22	15	16	11
Runtime	10	10	10	10	10	10
Number of days per week	6	6	6	6	6	6
Total per week (Gal)	1140	1260	1320	900	960	660

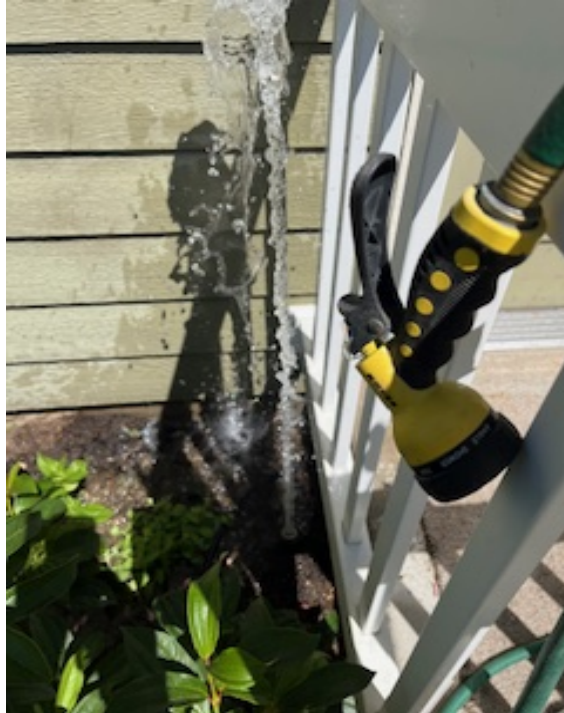
Prog	Zone 9	Zone 10	Zone 12	Zone 13	Zone 14	
Area being watered	Plants	Plants	Plants	Plants	Plants	
Type of Sprinklers	Spray	Spray	Spray	Spray	Spray	
Flow Rate (Gal/min)	11	8.75	21.5	18.75	14.75	
Runtime	10	10	10	10	10	
Number of days per week	6	6	6	6	6	
Total per week (Gal)	660	525	1290	1125	885	0

Controller #3 (Pool Room) Meter 52714500

Controller 3 – Program A – Station 1



Sprinkler Head Not Working



Broken Sprinkler Head



Broken Sprinkler Head



Sprinkler Head Not Working

Controller 3 – Program A – Station 2



Evaporation from Blocked Sprinkler

Controller 3 – Prog A – Station 4



Alignment Needs to be adjusted

Con 3 – Prog A – Station 4



Broken Base

Con 3 – Prog A – Station 7



Watering Ramp

I have attached a copy of the sampling watering schedule provided by Medford Water Commission. It is based off a 10-year study of the valley's climate. I hope the Sample Watering Schedule and the observations and recommendations will be helpful to you in managing your water use and in maintaining a healthy, attractive landscape. The suggestions provided in this report are based on just one visit to your property. When trying any of the ideas presented, please monitor your landscape closely for any changes in plant health. If you have any questions about any of these recommendations, or about how to implement them, please do not hesitate to call me at 541-841-6623.

Sincerely,

Chris Doss
Customer Service Technician
Chris.doss@centralpointoregon.gov