

Application for a Permit to Use
Groundwater

RECEIVED

JAN 10 2023

OWRD



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
503-986-0900
www.oregon.gov/OWRD

SECTION 1: APPLICANT INFORMATION AND SIGNATURE

Applicant

NAME		PHONE (HM)	
PHONE (WK)	CELL	FAX	
ADDRESS			
CITY	STATE	ZIP	E-MAIL*

Organization

NAME CITY OF REDMOND, ATTN: JOSH WEDDING		PHONE	FAX
ADDRESS 411 SW 9TH ST			CELL
CITY REDMOND	STATE OR	ZIP 97756	E-MAIL* JOSHUA.WEDDING@CI.REDMOND.OR.US

Agent – The agent is authorized to represent the applicant in all matters relating to this application.


AGENT / BUSINESS NAME GSI WATER SOLUTIONS, ATTN: OWEN McMURTREY		PHONE 541-257-9005	FAX
ADDRESS 1600 SW WESTERN BOULEVARD, SUITE 240			CELL
CITY CORVALLIS	STATE OR	ZIP 97333	E-MAIL* OMCMURTREY@GSIWS.COM

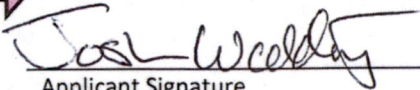
Note: Attach multiple copies as needed

* By providing an e-mail address, consent is given to receive all correspondence from the Department electronically. (Paper copies of the proposed and final order documents will also be mailed.)

By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application.
- I cannot use water legally until the Water Resources Department issues a permit.
- Oregon law requires that a permit be issued before beginning construction of any proposed well, unless the use is exempt. Acceptance of this application does not guarantee a permit will be issued.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be cancelled.
- The water use must be compatible with local comprehensive land-use plans.
- Even if the Department issues a permit, I may have to stop using water to allow senior water-right holders to get water to which they are entitled.

 I (we) affirm that the information contained in this application is true and accurate.


Applicant Signature

Joshua Wedding, Utilities Manager
Print Name and Title if applicable

12-9-22
Date

For Department Use: App. Number: _____

SECTION 2: PROPERTY OWNERSHIP

Please indicate if you own all the lands associated with the project from which the water is to be diverted, conveyed, and used.

- YES, there are no encumbrances.
- YES, the land is encumbered by easements, rights of way, roads or other encumbrances.
- NO, the applicant is a public corporation.**
- NO, I have a recorded easement or written authorization permitting access.
- NO, I do not currently have written authorization or easement permitting access.
- NO, written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigation and/or domestic use only (ORS 274.040).
- NO, because water is to be diverted, conveyed, and/or used only on federal lands.

Affected Landowners: List the names and mailing addresses of all owners of any lands that are not owned by the applicant and that are crossed by the proposed ditch, canal or other work, even if the applicant has obtained written authorization or an easement from the owner. *(Attach additional sheets if necessary).*

N/A – The applicant is a public corporation.

Legal Description: You must provide the legal description of: 1. The property from which the water is to be diverted, 2. Any property crossed by the proposed ditch, canal or other work, and 3. Any property on which the water is to be used as depicted on the map.

See Attachment B for the legal description of the property where water is to be diverted. Applicant is a public corporation, and the proposed use is municipal use.

SECTION 3: WELL DEVELOPMENT

WELL NO.	NAME OF NEAREST SURFACE WATER	IF LESS THAN 1 MILE:	
		DISTANCE TO NEAREST SURFACE WATER	ELEVATION CHANGE BETWEEN NEAREST SURFACE WATER AND WELL HEAD
WELL 6	Deschutes River	N/A – All Distances Over 1 Mile.	
WELL 7			
WELL 8			
WELL 9			
WELL 10			
WELL 11			

Please provide any information for your existing or proposed well(s) that you believe may be helpful in evaluating your application. For existing wells, describe any previous alteration(s) or repair(s) not documented in the attached well log or other materials *(attach additional sheets if necessary).*

RECEIVED

JAN 10 2023

OWRD

SECTION 3: WELL DEVELOPMENT, continued

Total maximum rate requested: 5.12 cfs (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below).

The table below must be completed for each source to be evaluated or the application will be returned. If this is an existing well, the information may be found on the applicable well log. (If a well log is available, please submit it in addition to completing the table.) If this is a proposed well, or well-modification, consider consulting with a licensed well driller, geologist, or certified water right examiner to obtain the necessary information.

See Attachment D – Well Logs

OWNER'S WELL NAME OR NO.	PROPOSED	EXISTING	WELL ID (WELL TAG) NO.* OR WELL LOG ID**	FLOWING ARTESIAN	CASING DIAMETER (INCHES)	CASING INTERVALS (FEET)	PERFORATED OR SCREENED INTERVALS (FEET)	SEAL INTERVALS (FEET)	MOST RECENT STATIC WATER LEVEL & DATE (FEET)	PROPOSED USE			
										SOURCE AQUIFER***	TOTAL WELL DEPTH (FEET)	WELL-SPECIFIC RATE (GPM)	ANNUAL VOLUME (ACRE-FEET)
WELL 6	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DESC 55853	<input type="checkbox"/>	16 16	+2-550 850-855	550-850	374-399 0-98	358.9 (3/1/2021)	Deschutes Formation	855	N/A	1,828
WELL 7	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DESC 57788	<input type="checkbox"/>	16 16 16	+2-525 625-700 750-780 860-862.5	525-625 700-750 780-860	0-68 282-322	335.6 (3/1/2021)		860		
WELL 8	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DESC 62721	<input type="checkbox"/>	20 18	+7-743 974-985	744-974	0-275	471 (3/4/2021)		985		
WELL 9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	<input type="checkbox"/>	16	+2-800	507-547 567-797	0-100	259		800		
WELL 10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See note	<input type="checkbox"/>									
WELL 11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Note	<input type="checkbox"/>									

Note: Construction for Wells 10 and 11 to be similar to actual construction for Well 8 (DESC 62721) and proposed construction for Well 9, with adjustments based on land surface elevation.

* Licensed drillers are required to attach a Department-supplied Well Tag, with a unique Well ID or Well Tag Number to all new or newly altered wells. Landowners can request a Well ID for existing wells that do not have one. The Well ID is intended to serve as a unique identification number for each well.

** A well log ID (e.g. MARI 1234) is assigned by the Department to each log in the agency's well log database. A separate well log is required for each subsequent alteration of the well.

*** Source aquifer examples: Troutdale Formation, gravel and sand, alluvium, basalt, bedrock, etc.

RECEIVED

JAN 10 2023

SECTION 4: SENSITIVE, THREATENED OR ENDANGERED FISH SPECIES PUBLIC INTEREST INFORMATION

This information must be provided for your application to be accepted as complete. The Water Resources Department will determine whether the proposed use will impair or be detrimental to the public interest with regard to sensitive, threatened or endangered fish species if your proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters.

RECEIVED

JAN 10 2023

OWRD

Upper Columbia - OAR 690-033-0115 thru -0130

Is the well or proposed well located in an area where the Upper Columbia Rules apply?

Yes No

If yes, you are notified that the Water Resources Department will consult with numerous federal, state, local and tribal governmental entities so it may determine whether the proposed use is consistent with the "Columbia River Basin Fish and Wildlife Program" adopted by the Northwest Power Planning Council in 1994 for the protection and recovery of listed fish species. The application may be denied, heavily conditioned, or if appropriate, mitigation for impacts may be needed to obtain approval for the proposed use.

If yes, and if the Department determines that proposed groundwater use has the potential for substantial interference with nearby surface waters:

- I understand that the permit, if issued, will not allow use during the time period April 15 to September 30, except as provided in OAR 690-033-0140.
- I understand that the Department of Environmental Quality will review my application to determine if the proposed use complies with existing state and federal water quality standards.
- I understand that I will install and maintain water use measurement and recording devices as required by the Water Resources Department, and comply with recording and reporting permit condition requirements.

Lower Columbia - OAR 690-033-0220 thru -0230

Is the well or proposed well located in an area where the Lower Columbia rules apply?

Yes No

If yes, and the proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters you are notified that the Water Resources Department will determine, by reviewing recovery plans, the Columbia River Basin Fish and Wildlife Program, and regional restoration programs applicable to threatened or endangered fish species, in coordination with state and federal agencies, as appropriate, whether the proposed use is detrimental to the protection or recovery of a threatened or endangered fish species and whether the use can be conditioned or mitigated to avoid the detriment.

If a permit is issued, it will likely contain conditions to ensure the water use complies with existing state and federal water quality standards; and water use measurement, recording and reporting required by the Water Resources Department. The application may be denied, or if appropriate, mitigation for impacts may be needed to obtain approval of the proposed use.

If yes, you will be required to provide the following information, if applicable. N/A

Yes No The proposed use is for more than **one** cubic foot per second (448.8 gpm) and is not subject to the requirements of OAR 690, Division 86 (Water Management and Conservation Plans).

If **yes**, provide a description of the measures to be taken to assure reasonably efficient water use:

RECEIVED

JAN 10 2023

OWRD

Statewide - OAR 690-033-0330 thru -0340

Is the well or proposed well located in an area where the Statewide rules apply?

Yes No

If **yes**, and the proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters you are notified that the Water Resources Department will determine whether the proposed use will occur in an area where endangered, threatened or sensitive fish species are located. If so, the Water Resources Department, Department of Fish and Wildlife, Department of Environmental Quality, and the Department of Agriculture will recommend conditions required to achieve "no loss of essential habitat of threatened and endangered (T&E) fish species," or "no net loss of essential habitat of sensitive (S) fish species." If conditions cannot be identified that meet the standards of no loss of essential T E fish habitat or no net loss of essential S fish habitat, the agencies will recommend denial of the application unless they conclude that the proposed use would not harm the species.

SECTION 5: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
Municipal	Year-round	1,828

For irrigation use only: N/A

Please indicate the number of primary, supplemental and/or nursery acres to be irrigated (*must match map*).

Primary: Acres Supplemental: Acres Nursery Use: Acres

If you listed supplemental acres, list the Permit or Certificate number of the underlying primary water right(s):

Indicate the maximum total number of acre-feet you expect to use in an irrigation season:

- If the use is **municipal or quasi-municipal**, attach **Form M Attachment E**
- If the use is **domestic**, indicate the number of households: **N/A** (Exempt Uses: Please note that 15,000 gallons per day for single or group domestic purposes and 5,000 gallons per day for a single industrial or commercial purpose are exempt from permitting requirements.)
- If the use is **mining**, describe what is being mined and the method(s) of extraction (*attach additional sheets if necessary*): **N/A**

SECTION 6: WATER MANAGEMENT

A. Diversion and Conveyance

What equipment will you use to pump water from your well(s)?

Pump (give horsepower and type): **Wells 6 and 7 are equipped with 300 HP and 150 HP soft start pumps, respectively. Well 8 is equipped with a 700 HP VFD.**

Other means (describe):

JAN 10 2023

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water. **Water will be diverted from the proposed wells and conveyed through the City's municipal water distribution system for delivery to water users served by the City.**

QWRD

B. Application Method

What equipment and method of application will be used? (e.g., drip, wheel line, high-pressure sprinkler) (attach additional sheets if necessary)

N/A - Water will be for municipal use within the Redmond Municipal Service Boundary.

C. Conservation

Please describe why the amount of water requested is needed and measures you propose to: prevent waste; measure the amount of water diverted; prevent damage to aquatic life and riparian habitat; prevent the discharge of contaminated water to a surface stream; prevent adverse impact to public uses of affected surface waters (attach additional sheets if necessary).

The water appropriated under this water right will be limited to the amount needed for municipal water supply. Wells will be constructed in a manner to prevent damage to aquatic life and riparian habitat. No discharge of contaminated water will occur, and no adverse impacts on public uses of surface water are anticipated. Constructed wells will be equipped with measurement devices to measure the amount of water diverted.

The City's WMCP includes benchmarks related to conservation outreach. The City reduced water loss from approximately 13% in 2008 to 3% in 2022. Water loss has been below 5% since 2014. See Attachment F for The City's 2022 conservation benchmarks and more information about their conservation programs.

SECTION 7: PROJECT SCHEDULE

- a) Date construction will begin: **Within twenty years of permit issuance.**
- b) Date construction will be completed: **Within twenty years of permit issuance.**
- c) Date beneficial water use will begin: **Within twenty years of permit issuance.**

SECTION 8: RESOURCE PROTECTION

In granting permission to use water the state encourages, and in some instances requires, careful control of activities that may affect adjacent waterway or streamside area. See instruction guide for a list of possible permit requirements from other agencies. Please indicate any of the practices you plan to undertake to protect water resources.

- Water quality will be protected by preventing erosion and run-off of waste or chemical products.
Describe: **Municipal water is delivered through the City's piped distribution system and wastewater is treated at the City's Wastewater Treatment Plant. No erosion or run-off will occur.**
- Excavation or clearing of banks will be kept to a minimum to protect riparian or streamside areas.
Note: If disturbed area is greater than one acre, applicant should contact the Oregon Department of Environmental Quality to determine if a 1200C permit is required.
Describe planned actions and additional permits required for project implementation: **No excavation or clearing of banks will be required for this project.**

- Other state and federal permits or contracts required and to be obtained, if a water right permit is granted:
List: **N/A**

SECTION 9: WITHIN A DISTRICT

Check here if the point of appropriation (POA) or place of use (POU) are located within or served by an irrigation or other water district.

Irrigation District Name Central Oregon Irrigation District	Address 1055 SW Lake Rd	
City Redmond	State OR	Zip 97756

SECTION 10: REMARKS

Use this space to clarify any information you have provided in the application (*attach additional sheets if necessary*).

The City of Redmond is submitting this water right application to request a permit to use up to 1,828 acre-feet of water from Wells 6 through 11 at a combined maximum rate of up to 5.12 cfs. Wells 6 through 11 are already authorized points of appropriation under the City's existing Permit G-18157, which authorizes the use of up to 3,492 acre-feet at a combined rate of up to 25 cfs. The additional 5.12 cfs proposed for appropriation in this application will increase the maximum rate and volume of use from the proposed wells to meet projected demands through 2043.

Additional details regarding the City's projected demands are described in the attached Form M (Attachment E).

The City understands that the use of water under the proposed permit will require mitigation under the Department's Deschutes Basin Groundwater Mitigation Program. The City currently holds another permit requiring mitigation under the Deschutes Basin Mitigation Program, which required the City to provide mitigation consistent with a 50 percent consumptive use coefficient. The City understands that the Department may make a similar finding with respect to consumptive use. The City holds sufficient unassigned mitigation credits under a variety of mitigation projects to meet the mitigation obligation for a new groundwater permit.

RECEIVED

JAN 10 2023

OWRD

RECEIVED
JAN 10 2023
OWRD

Attachment A
Land Use Information Form

Application for Groundwater Permit – City of Redmond

Land Use Information Form

Applicant(s): City of Redmond, Attn: Bill Duerden

Mailing Address: 411 SW 9th St

City: Redmond

State: OR

Zip Code: 97756

Daytime Phone: _____

RECEIVED

JAN 10 2023

OWRD

A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), and/or used or developed. Applicants for municipal use, or irrigation uses within irrigation districts may substitute existing and proposed service-area boundaries for the tax-lot information requested below.

Township	Range	Section	¼ ¼	Tax Lot #	Plan Designation (e.g., Rural Residential/ RR-5)	Water to be:			Proposed Land Use:
<u>15 S</u>	<u>13 E</u>	<u>21</u>	<u>NW SE</u>	<u>151321D000400</u>		<input checked="" type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	<u>Municipal</u>
		<u>10</u>	<u>SW SE</u>	<u>151310D001100</u>		<input checked="" type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	
		<u>19</u>	<u>SE SW</u>	<u>151319CD00102</u>		<input checked="" type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	
		<u>9</u>	<u>SW SW</u>	<u>151309CC00200</u>		<input checked="" type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	
		<u>9</u>	<u>SE NW</u>	<u>151309BD06000</u>		<input checked="" type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	
		<u>9</u>	<u>NE SW</u>	<u>151309CA00103</u>		<input checked="" type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	

List all counties and cities where water is proposed to be diverted, conveyed, and/or used or developed:

City of Redmond

B. Description of Proposed Use

Type of application to be filed with the Water Resources Department:

- Permit to Use or Store Water
 Water Right Transfer
 Permit Amendment or Ground Water Registration Modification
 Limited Water Use License
 Allocation of Conserved Water
 Exchange of Water

Source of water: Reservoir/Pond
 Ground Water
 Surface Water (name) _____

Estimated quantity of water needed: 5.12 cubic feet per second
 gallons per minute
 acre-feet

Intended use of water: Irrigation
 Commercial
 Industrial
 Domestic for _____ household(s)
 Municipal
 Quasi-Municipal
 Instream
 Other _____

Briefly describe:

The Applicant is applying to use 5.12 cfs of groundwater for municipal use. The locations of the proposed wells are described in the above table and shown on the attached map along with the proposed place of use. The proposed wells are already authorized points of diversion under the City's water right permit G-18157. This water right permit is being submitted to increase the total maximum rate and volume of water authorized for use from the combination of wells.

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt at the bottom of the next page and include it with the application filed with the Water Resources Department.

See bottom of Page 3. →

RECEIVED

JAN 10 2023

OWRD

For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless the project will be located entirely within the city limits. In that case, only the city planning agency must complete this form. This deals only with the local land-use plan. Do not include approval for activities such as building or grading permits.

Please check the appropriate box below and provide the requested information

- Land uses to be served by the proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s):
- Land uses to be served by the proposed water uses (including proposed construction) involve discretionary land-use approvals as listed in the table below. (Please attach documentation of applicable land-use approvals which have already been obtained. Record of Action/land-use decision and accompanying findings are sufficient.) **If approvals have been obtained but all appeal periods have not ended, check "Being pursued."**

Type of Land-Use Approval Needed (e.g., plan amendments, rezones, conditional-use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Land-Use Approval:	
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued

Local governments are invited to express special land-use concerns or make recommendations to the Water Resources Department regarding this proposed use of water below, or on a separate sheet.

Name: John Roberts Title: Deputy City Manager

Signature: *John Roberts* Phone: (571) 923-7750 Date: 11-9-22

Government Entity: City of Redmond

Note to local government representative: Please complete this form or sign the receipt below and return it to the applicant. If you sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.



Receipt for Request for Land Use Information

Applicant name: _____

City or County: _____ Staff contact: _____

Signature: _____ Phone: _____ Date: _____

RECEIVED

JAN 10 2023

OWRD

Attachment B

Legal Description

Application for Groundwater Permit - City of Redmond

Well 6 (tax lot 151321D000400):

***** Real Property Tax Lot Record *****

Prior Tax Lot Card is 1513000000127*****

15 13 21 D 0 00400 Code 2-001 Current Acres 8.00

This description is for tax purposes ONLY and can not be attached to any legal document.

INNOVATION PARK Lot: 5

RC950630 08/16/95

| Posted on 08/16/95 by PATF

| ** Text:

| Account Change From 1513000000127 To 151321D000400

| Source: JV 03076

RECEIVED

JAN 10 2023

OWRD

RECEIVED

JAN 10 2023

OWRD

INNOVATION PARK

LOCATED IN THE SE 1/4 SEC. 21, SW 1/4 SEC. 22,
T 15 S, R 13 E, W.M., REDMOND, OREGON

92-43865

C-738

I, LYNN J. BRUNO, CERTIFY THAT POST MONUMENTATION OF THE REMAINING INTERIOR CORNERS AND CENTERLINE MONUMENTATION WILL BE COMPLETED ON OR BEFORE 12/31/1993.

LYNN J. BRUNO PLS 2335

INTERIOR AND CENTERLINE MONUMENTS SET 1993, PER AFFIDAVIT OF MONUMENTATION RECORDED 1993 IN VOLUME PAGE DESCHUTES COUNTY RECORDS.

LEGEND

- FOUND 5/8" IRON ROD WITH PLASTIC CAP MARKED "C.W.E.C." UNLESS NOTED OTHERWISE
- SET 5/8" x 30" IRON ROD WITH YELLOW PLASTIC CAP MARKED "WH PACIFIC"
- ⊙ SET 5/8" IRON ROD WITH ALUMINUM CAP MARKED "WH PACIFIC"
- () RECORD DATA

SURVEYORS CERTIFICATE

I, LYNN J. BRUNO, PROFESSIONAL LAND SURVEYOR IN THE STATE OF OREGON, HEREBY CERTIFY THAT I HAVE CORRECTLY SURVEYED AND MARKED WITH PROPER MONUMENTS THE LAND SHOWN ON THIS SUBDIVISION PLAT, AND THAT THE PROPERTY PLATTED IS DESCRIBED AS FOLLOWS:

BEGINNING AT AN INITIAL POINT ON THE NORTHERLY RIGHT-OF-WAY LINE OF AIRPORT WAY, FROM WHICH THE ONE-QUARTER CORNER COMMON TO SECTIONS 21 AND 22, TOWNSHIP 15 SOUTH, RANGE 13 EAST, WILLAMETTE MERIDIAN, BEARS S 89°28'00" E, 722.76 FEET; THENCE N 00°05'28" E, 2,329.03 FEET; THENCE N 90°00'00" E, 2,517.81 FEET TO THE SOUTHERLY RIGHT-OF-WAY LINE OF SALMON DRIVE, THENCE ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE OF SALMON DRIVE THE NEXT FOUR COURSES, THENCE ALONG THE ARC OF A 277.79 FOOT RADIUS CURVE TO THE RIGHT, THROUGH A CENTRAL ANGLE OF 34°56'05", AN ARC DISTANCE OF 169.38 FEET (THE LONG CHORD OF WHICH BEARS S 72°21'54" E, 166.76 FEET) TO A POINT OF TANGENCY; THENCE S 55°03'55" E, 113.44 FEET TO A POINT OF CURVATURE; THENCE ALONG THE ARC OF A 328.99 FOOT RADIUS CURVE TO THE LEFT, THROUGH A CENTRAL ANGLE OF 19°45'58", AN ARC DISTANCE OF 112.81 FEET (THE LONG CHORD OF WHICH BEARS S 64°56'54" E, 112.25 FEET) TO A POINT OF TANGENCY; THENCE S 74°49'53" E, 20.90 FEET TO A POINT OF CURVATURE; THENCE ALONG THE ARC OF A 50.00 FOOT RADIUS CURVE TO THE RIGHT, THROUGH A CENTRAL ANGLE OF 95°12'44", AN ARC DISTANCE OF 83.09 FEET (THE LONG CHORD OF WHICH BEARS S 27°13'31" E, 73.85 FEET) TO A POINT OF COMPOUND CURVATURE; SAID POINT ALSO BEING ON THE NORTH WESTERLY RIGHT-OF-WAY LINE OF AIRPORT WAY, THENCE ALONG THE NORTH WESTERLY RIGHT-OF-WAY LINE OF SAID AIRPORT WAY THE FOLLOWING FOUR COURSES, THENCE ALONG THE ARC OF A 1,040.00 FOOT RADIUS CURVE TO THE RIGHT, THROUGH A CENTRAL ANGLE OF 33°40'37", AN ARC DISTANCE OF 611.28 FEET (THE LONG CHORD OF WHICH BEARS S 37°13'10" W, 602.52 FEET) TO A POINT OF TANGENCY; THENCE S 54°03'28" W, 2,414.95 FEET TO A POINT OF CURVATURE; THENCE ALONG THE ARC OF A 1,040.00 FOOT RADIUS CURVE TO THE RIGHT, THROUGH A CENTRAL ANGLE OF 35°24'32", AN ARC DISTANCE OF 642.72 FEET (THE LONG CHORD OF WHICH BEARS S 71°45'44" W, 632.54 FEET); THENCE S 89°28'00" W, 8.85 FEET TO THE POINT OF BEGINNING.

DECLARATION

KNOW ALL PERSONS BY THESE PRESENTS THAT TEKTRONIX INCORPORATED, AN OREGON CORPORATION, THE OWNER OF THE LAND SHOWN ON THIS PLAT, HAS CAUSED SAID LAND TO BE SURVEYED AND PLATTED INTO LOTS AND ROADS AS SHOWN ON THIS PLAT, AND HEREBY DEDICATES TO THE USE OF THE PUBLIC FOREVER, ALL STREETS AND EASEMENTS AS SHOWN ON SAID PLAT AND DOES HEREBY SUBMIT FOR APPROVAL AND RECORD SAID PLAT.

BY: *Timothy E. Thorsteinson*
TIMOTHY E. THORSTEINSON, VICE PRESIDENT, TOTAL QUALITY/HUMAN RESOURCES

STATE OF OREGON)
COUNTY OF CLACKAMAS)

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME ON November 17, 1992, BY TIMOTHY E. THORSTEINSON, VICE PRESIDENT, TOTAL QUALITY/HUMAN RESOURCES OF TEKTRONIX, INC. AN OREGON CORPORATION, ON BEHALF OF THE CORPORATION.

BY: *Hank L. Carter*

NOTARY PUBLIC FOR Oregon
MY COMMISSION EXPIRES 8-26-96



APPROVALS:

Nick Stricklin 12-30 1992

DESCHUTES COUNTY COMMISSIONERS

Nancy Pope Ahlenger 12-30-92 1992

DESCHUTES COUNTY SURVEYOR

Jeff Kern 12-17-1992

CITY OF REDMOND PUBLIC WORKS DIRECTOR

Shirley Stevenson 12-17 1992

CITY OF REDMOND COMMUNITY DEVELOPMENT DIRECTOR

Robert Johnson 12-22 1992

CITY OF REDMOND MANAGER

James W. Carlton 12-22 1992

DESCHUTES COUNTY TAX COLLECTOR

Neil Johnson 12-17-1992

DESCHUTES COUNTY ASSESSOR

Deane B. Penner 12-17 1992

NARRATIVE

THE PURPOSE OF THIS SURVEY IS TO CREATE AND MONUMENT 5 PARCELS OF LAND WITHIN A 100 ACRE PARCEL AS RECORDED BY CENTURY WEST ENGINEERING CORPORATION'S SURVEY CS01324 IN DESCHUTES COUNTY RECORDS DATED 9-07-79. I HELD A 5/8" IRON ROD WITH A C.W.E.C. PLASTIC CAP AS THE INITIAL POINT ON THE NORTHERLY RIGHT-OF-WAY LINE OF AIRPORT WAY AND I HELD RECORD BEARING THROUGH FIVE FOUND C.W.E.C. MONUMENTS ON THE WESTERLY BOUNDARY LINE TO THE NORTHWESTERLY CORNER, ALSO BEING A C.W.E.C. MONUMENT, I HELD RECORD BEARING FROM SAID NORTHWESTERLY CORNER THROUGH SEVEN FOUND C.W.E.C. MONUMENTS TO A P.K. NAIL BEING A PC ON THE SOUTHERLY RIGHT-OF-WAY LINE OF SALMON DRIVE WHICH I FOUND TO BE 0.4 FEET NORTH OF THE LINE BUT HELD FOR DISTANCE. I HELD RECORD CURVE DATA TO A BENT IRON ROD BEING A PT ON THE SOUTHEASTERLY RIGHT-OF-WAY LINE OF AIRPORT WAY. I THEN HELD RECORD DATA FOR THE NORTHWESTERLY RIGHT-OF-WAY LINE OF AIRPORT WAY SINCE THE PC AND PT MONUMENTATION VARIED FROM THE RECORD DATA.

THE BOUNDARY WAS COMPARED TO A FURNISHED TITLE REPORT AND WAS CONSISTENT.

THE BASIS OF BEARINGS WAS HELD BETWEEN FOUND C.W.E.C. MONUMENTS ON THE WESTERLY BOUNDARY LINE BASED ON THE SURVEY CS01324 BY CENTURY WEST ENGINEERING CORPORATION DATED 9-07-79.

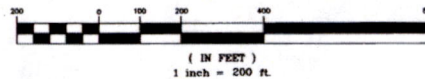
NOTE: THE PACELS IDENTIFIED WITHIN THIS PLAT DO NOT HAVE A WATER RIGHT.

REGISTERED PROFESSIONAL LAND SURVEYOR

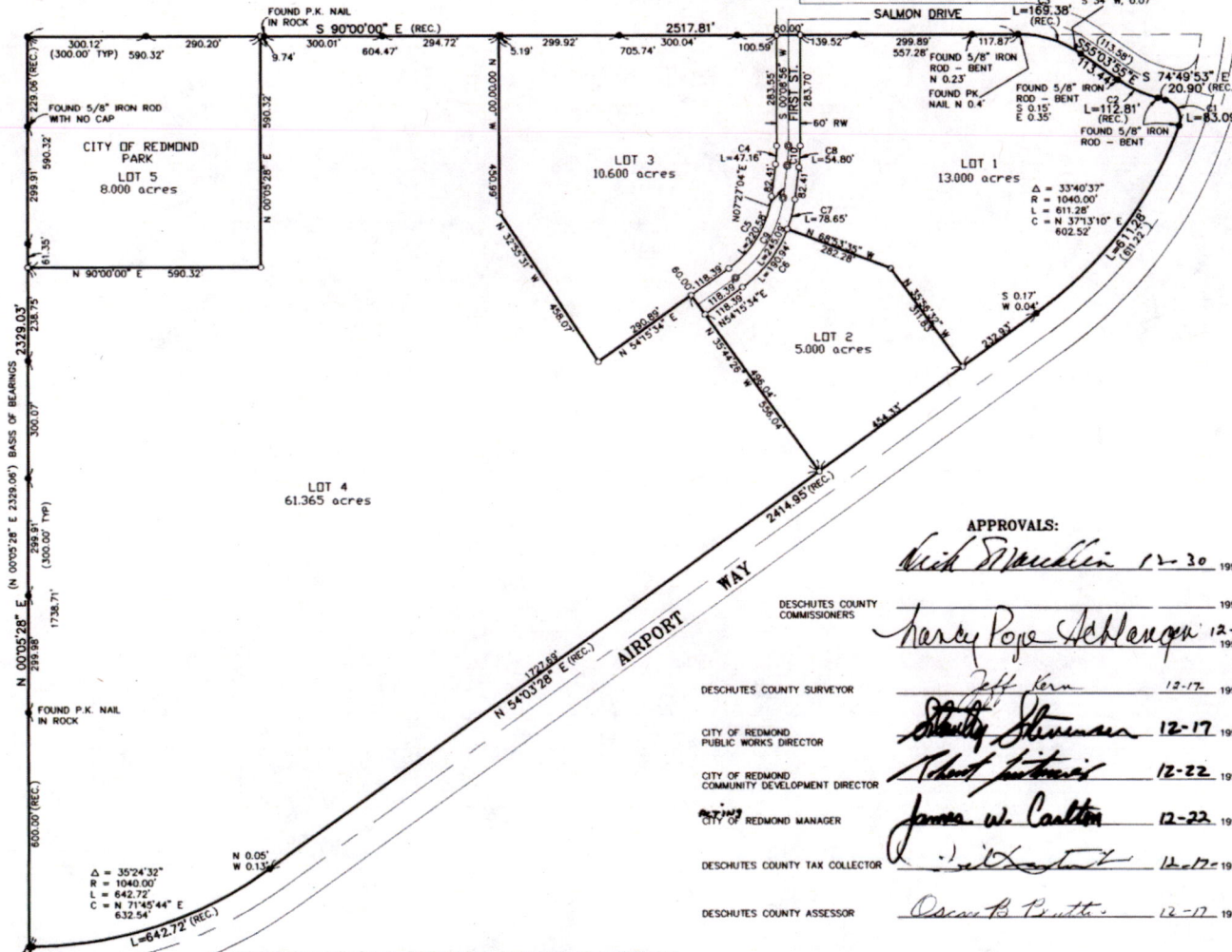
Lynn J. Bruno
OREGON JULY 26, 1988 LYNN J. BRUNO 2335



GRAPHIC SCALE



SHEET 1 OF 1



INITIAL POINT FROM WHICH THE SOUTH 1/4 OF SECTION 21 BEARS S 89°28'00" W, 722.76'

Well 7 (tax lot 151310D001100):

***** Real Property Tax Lot Record *****

Prior Tax Lot Card is 1513000000121*****

15 13 10 D 0 01100 Code 2-001 Current Acres 18.26

This description is for tax purposes ONLY and can not be attached to any legal document.

Assessor Property Description:

PARCEL 1, PARTITION PLAT 2002-32

RC20020726 04/18/02

| Posted on 04/18/02 by KEITHK

| Source: RC# 2002-0723 JV#s12231-12233

RC20030520 04/21/03

| Posted on 04/21/03 by GREGBA

| ** Text:
| CODE CHANGE FOR 2003-04
| 2-4 TO 2-1

| Source: ORDER#2003-11 & 12; JV13637

RECEIVED

JAN 10 2023

OWRD

PARTITION PLAT NO. 2021-25

Deschutes County Official Records
Steve Dennison, County Clerk 2021-49666
01984576202100496660010016
D-PP Cr#1 Pgs#1 Str#11 08/26/2021 04:02 PM
\$25.00 \$11.00 \$61.00 \$10.00 \$6.00 \$113.00

CITY OF REDMOND PARTITION
NO. 711-21-000103-PLNG (RMP),
A REPLAT OF PARCEL 1, PARTITION PLAT 2002-32,
LOCATED IN THE SW1/4 SE1/4 OF SECTION 10,
TOWNSHIP 15 SOUTH, RANGE 13 EAST, W.M.,
CITY OF REDMOND, DESCHUTES COUNTY, OREGON

SURVEYOR'S CERTIFICATE

I, WILLIAM G. BAHRKE, OREGON REGISTERED PROFESSIONAL LAND SURVEYOR NO. 2039, HEREBY CERTIFY THAT I HAVE CORRECTLY SURVEYED, PARTITIONED AND REPLATTED INTO PARCELS AND EASEMENTS, AND HAVE MARKED WITH PROPER MONUMENTS, THE LANDS SHOWN ON THIS CITY OF REDMOND PARTITION NO. 711-21-000103-PLNG (RMP), WHICH IS DESCRIBED AS FOLLOWS:

PARCEL 1 OF DESCHUTES COUNTY PARTITION PLAT NO. 2002-32, THE INITIAL POINT OF WHICH IS A 3/4" PIPE WITH YELLOW PLASTIC CAP MARKED "POVEY & ASSOC.", MONUMENTING THE NORTHEAST CORNER OF SAID PARCEL 1.

THE SAME CONTAINING 18.26 ACRES.

NARRATIVE

WE WERE COMMISSIONED BY THE CITY OF REDMOND TO PARTITION PARCEL 1 OF PARTITION PLAT 2002-32 (REFERENCE SURVEY H) INTO PARCELS 1 AND 2.

IN THE SURVEY OF THIS PARTITION MONUMENTS FOUND AND SET IN OUR SURVEY FOR THE CITY OF REDMOND (REFERENCE SURVEY L) WERE RECOVERED AND TIED BY SURVEY. ALL MONUMENTS WERE HELD AS FOUND. THE DESIRED PARTITION LINE WAS CALCULATED AND MONUMENTED AS SHOWN.

THE BEARINGS OF THIS PARTITION ARE BASED ON THE SOUTH LINE OF THE SE1/4 SE1/4 OF SECTION 10, AS PER REFERENCE SURVEY L.

WATER RIGHTS STATEMENT

NO WATER RIGHTS EXIST WITHIN THE BOUNDARIES OF THIS CITY OF REDMOND PARTITION NO. 711-21-000103-PLNG (RMP).

DECLARATION

KNOW ALL PEOPLE BY THESE PRESENTS, THAT THE CITY OF REDMOND, A MUNICIPAL CORPORATION IN THE STATE OF OREGON, IS THE OWNER OF THE LANDS SHOWN ON THIS CITY OF REDMOND PARTITION NO. 711-21-000103-PLNG (RMP), WHICH IS DESCRIBED IN THE SURVEYOR'S CERTIFICATE, AND THAT THE CITY CAUSED THE SAME TO BE SURVEYED, PARTITIONED AND REPLATTED INTO PARCELS AND PUBLIC EASEMENTS, AND THE CITY DOES HEREBY SUBMIT FOR RECORD AND APPROVAL SAID PARTITION, AND DOES HEREBY DEDICATE TO THE PUBLIC FOREVER THOSE PUBLIC UTILITY EASEMENTS SHOWN HEREON.

K. W. Poles 8-25-21
KEITH WITCOSKY, CITY MANAGER, DATE
CITY OF REDMOND

ASSESSOR'S CERTIFICATE

I HEREBY CERTIFY THAT ALL AD VALOREM TAXES AND SPECIAL ASSESSMENTS, FEES AND OTHER CHARGES REQUIRED BY LAW TO BE PLACED ON THE 2021-2022 TAX ROLL, WHICH BECAME A LIEN ON THIS PARTITION, OR WILL BECOME A LIEN DURING THIS TAX YEAR, HAVE BEEN PAID TO ME.

[Signature] 8-26-2021
DESCHUTES COUNTY ASSESSOR DATE

TAX COLLECTOR'S CERTIFICATE

I HEREBY CERTIFY THAT ALL TAXES APPURTENANT TO THIS CITY OF REDMOND PARTITION NO. 711-21-000103-PLNG (RMP) ARE PAID AS OF THIS DATE.

[Signature] 8-26-2021
DESCHUTES COUNTY TAX COLLECTOR DATE

APPROVALS

THIS CITY OF REDMOND PARTITION NO. 711-21-000103-PLNG (RMP), LOCATED AS DESCRIBED IN THE SURVEYOR'S CERTIFICATE, HAS BEEN EXAMINED AND APPROVED BY:

[Signature] 8-25-21
REDMOND COMMUNITY DEVELOPMENT DIRECTOR DATE
[Signature] 8-23-2021
REDMOND PUBLIC WORKS DIRECTOR DATE
[Signature] 8-25-21
REDMOND CITY MANAGER DATE
[Signature] 8-25-21
REDMOND DEPUTY CITY MANAGER DATE
[Signature] 8-26-2021
BOARD OF DESCHUTES COUNTY COMMISSIONERS DATE
[Signature] 8-26-2021
DESCHUTES COUNTY SURVEYOR DATE

SIGNATURES BY THE CITY OF REDMOND CONSTITUTE ACCEPTANCE BY THE CITY OF ALL EASEMENTS AND RIGHTS-OF-WAY DEDICATED HEREIN TO THE PUBLIC.

RECEIVED
JAN 10 2023
OWRD

REGISTERED PROFESSIONAL LAND SURVEYOR
[Signature]
OREGON JULY 15, 1983
WILLIAM G. BAHRKE 8/7/2021
2039
Renewal Date: 12/31/21

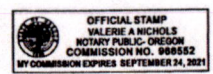
SHEET 1 OF 2
POVEY AND ASSOC. LAND SURVEYORS
P.O. BOX 131, REDMOND, OR 97756
(541) 548-6778 21-051P.DWG

ACKNOWLEDGEMENT

STATE OF OREGON }
COUNTY OF DESCHUTES } S.S.

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME BY KEITH WITCOSKY, CITY MANAGER OF THE CITY OF REDMOND, ON THIS 25TH DAY OF August, 2021.

[Signature]
NOTARY PUBLIC, STATE OF OREGON
NAME: Valene A. Nichols
COMMISSION NUMBER: 96652
EXPIRATION DATE: 9/24/2021



PARTITION PLAT NO. **2021-25**

CITY OF REDMOND PARTITION
 NO. 711-21-000103-PLNG (RMP),
 A REPLAT OF PARCEL 1, PARTITION PLAT 2002-32,
 LOCATED IN THE SW1/4 SE1/4 OF SECTION 10,
 TOWNSHIP 15 SOUTH, RANGE 13 EAST, W.M.,
 CITY OF REDMOND, DESCHUTES COUNTY, OREGON
 SURVEY DATE: JUNE 18, 2021

RECEIVED
JAN 10 2023
OWRD

SCALE:
 1" = 100'

EASEMENT DETAIL

SCALE: 1" = 40'

TEMPORARY TURN AROUND EASEMENT
 PER PARTITION PLAT 2002-32

LINE NO.	DIRECTION	DISTANCE	RADIUS	LENGTH	DELTA
L1	N00°10'47"W	645.35'			
H-L1	S00°14'30"E	645.35'			
C2	N73°14'31"E	25.29'	45.00'	25.64'	32°38'23"
H-C2	S73°10'48"W	25.29'	45.00'	25.64'	32°38'23"
L3	N00°03'43"E	17.23'			
H-L3	S00°00'00"E	17.23'			
L4	N89°56'17"W	24.31'			
H-L4	N80°00'00"E	24.31'			
L5	S00°10'47"E	24.55'			
H-L5	N00°14'30"W	24.55'			

SW CORNER
 PARCEL 2

LEGEND

- - FOUND MONUMENT AS NOTED
- - FOUND 3/4" PIPE WITH YPC MARKED "POVEY & ASSOC."
- - FOUND 1/2" PIPE WITH YPC MARKED "POVEY & ASSOC."
- - FOUND 5/8" REBAR (NO CAP)
- - SET 3/4" PIPE WITH YPC MARKED "POVEY & ASSOC."
- - PUBLIC UTILITY EASEMENT
- YPC - YELLOW PLASTIC CAP

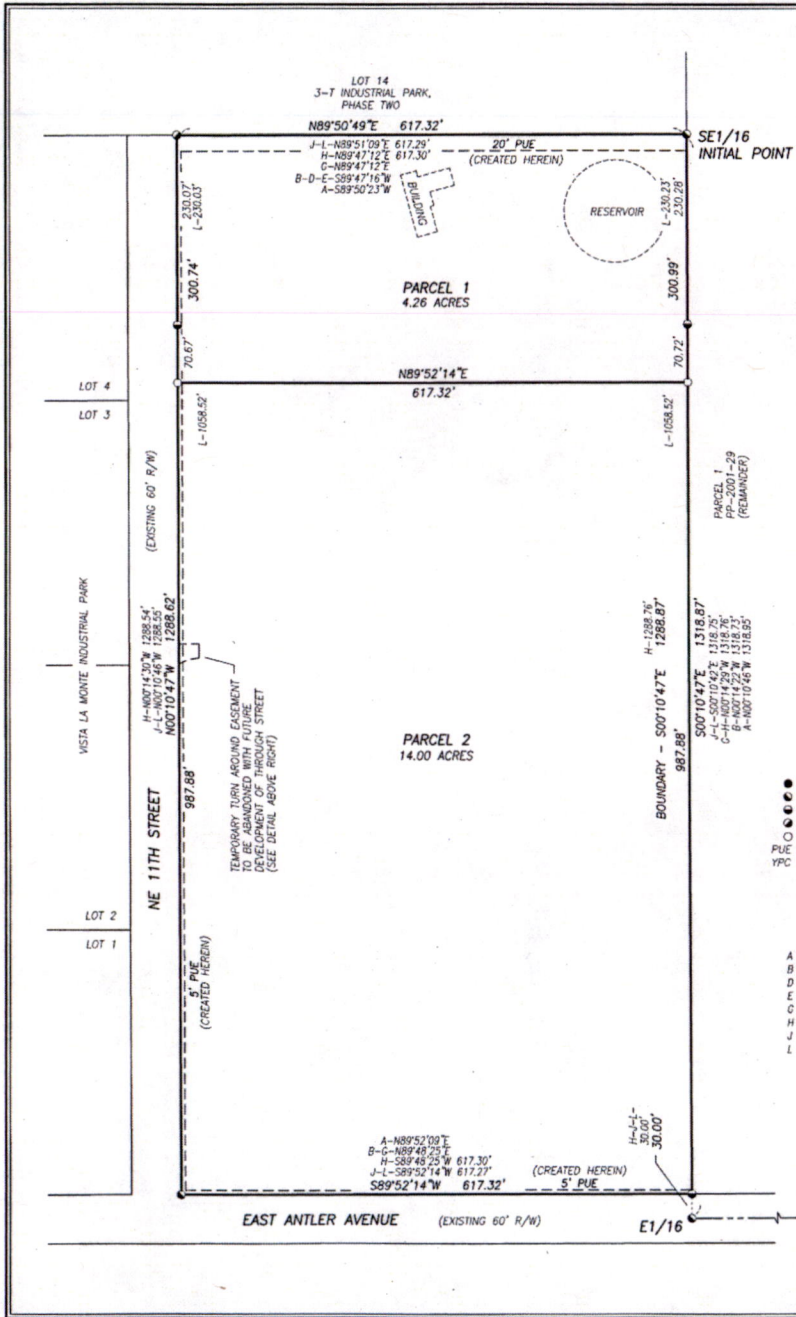
RECORD SURVEYS

- A - SURVEY FOR DESCHUTES COUNTY, BY POVEY AND ASSOC. (CS 01051)
- B - SURVEY OF SECTION 10, BY DESCHUTES COUNTY PUBLIC WORKS (CS 12028)
- D - J-T INDUSTRIAL PARK, BY W&H PACIFIC (CS 12732)
- E - J-T INDUSTRIAL PARK, PHASE TWO, BY W&H PACIFIC (CS 13210)
- C - ADJUSTMENT NO. 01-07(D), BY W&H PACIFIC (CS 14621)
- H - PARTITION PLAT NO. 2002-32, BY W&H PACIFIC (CS 14889)
- J - ADJUSTMENT NO. 04-06(D), BY POVEY AND ASSOC. (CS 15976)
- I - SURVEY FOR THE CITY OF REDMOND, BY POVEY AND ASSOC. (CS 18239)

REGISTERED
 PROFESSIONAL
 LAND SURVEYOR

 OREGON
 JULY 16, 1983
 WILLIAM G. BAHRKE
 2039
 Renewal Date: 12/31/21

SHEET 2 OF 2
 POVEY AND ASSOC. LAND SURVEYORS
 P.O. BOX 131, REDMOND, OR 97756
 (541) 548-6778 21-051P.DWG



Well 8 (tax lot 151319CD00102):



After recording return to:
City of Redmond
PO box
Redmond, OR 97756

Until a change is requested all tax statements
shall be sent to the following address:
City of Redmond
PO box
Redmond, OR 97756

File No.: 7062-996691 (JB)
Date: March 27, 2007

THIS SPACE RESERVED FOR RECORDER'S USE

**DESCHUTES COUNTY OFFICIAL RECORDS
NANCY BLANKENSHIP, COUNTY CLERK**

2007-19587



\$41.00

04/04/2007 03:54:33 PM

**D-D Cnt=1 Stn=1 BN
\$15.00 \$11.00 \$10.00 \$5.00**

STATUTORY WARRANTY DEED

Redmond Investments, LLC, an Oregon Limited Liability Company, Grantor, conveys and warrants to **City of Redmond, a municipal corporation of the State of Oregon**, Grantee, the following described real property free of liens and encumbrances, except as specifically set forth herein:

Tract "A" of SUMMIT CREST PHASE I, City of Redmond, Deschutes County, Oregon

Subject to:

1. Covenants, conditions, restrictions and/or easements, if any, affecting title, which may appear in the public record, including those shown on any recorded plat or survey.

The true consideration for this conveyance is **\$721,456.00**. (Here comply with requirements of ORS 93.030)

FIRST AMERICAN TITLE
INSURANCE COMPANY OF OREGON
P.O. BOX 323
BEND, OR 97709

RECEIVED

JAN 10 2023

OWRD

APN: 253858

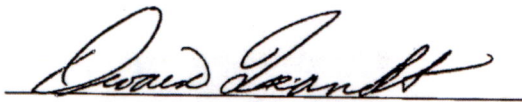
Statutory Warranty Deed
- continued

File No.: 7062-996691 (JB)
Date: 03/27/2007

BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON TRANSFERRING FEE TITLE SHOULD INQUIRE ABOUT THE PERSON'S RIGHTS, IF ANY, UNDER ORS 197.352. THIS INSTRUMENT DOES NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY APPROVED USES, TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES AS DEFINED IN ORS 30.930 AND TO INQUIRE ABOUT THE RIGHTS OF NEIGHBORING PROPERTY OWNERS, IF ANY, UNDER ORS 197.352.

Dated this 29 day of March, 2007.

Redmond Investments, LLC, an Oregon
Limited Liability Company



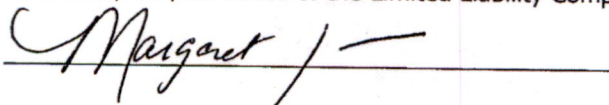
By: Dwain Quandt, Member

ACCEPTED BY THE CITY OF REDMOND THIS _____ DAY OF _____, 2007 AS
ACKNOWLEDGED BY ALAN UNGER, CITY OF REDMOND, MAYOR

ALAN UNGER, MAYOR

STATE OF Oregon)
County of Washington)ss.
Deschutes)

This instrument was acknowledged before me on this 29th day of March, 2007
by Dwain Quandt as Member of Redmond Investments, LLC, on behalf of the Limited Liability Company.



Notary Public for Oregon
My commission expires: May 21, 2010



RECEIVED

JAN 10 2023

OWRD

H-260

SUMMIT CREST
PHASE I

TRACT "A"

A PORTION OF THE SE 1/4 OF THE SW 1/4
AND OF GOVERNMENT LOTS 3 & 4 OF SECTION 19,
TOWNSHIP 15 SOUTH, RANGE 13 EAST,
WILLAMETTE MERIDIAN,
CITY OF REDMOND,
DESCHUTES COUNTY,
OREGON

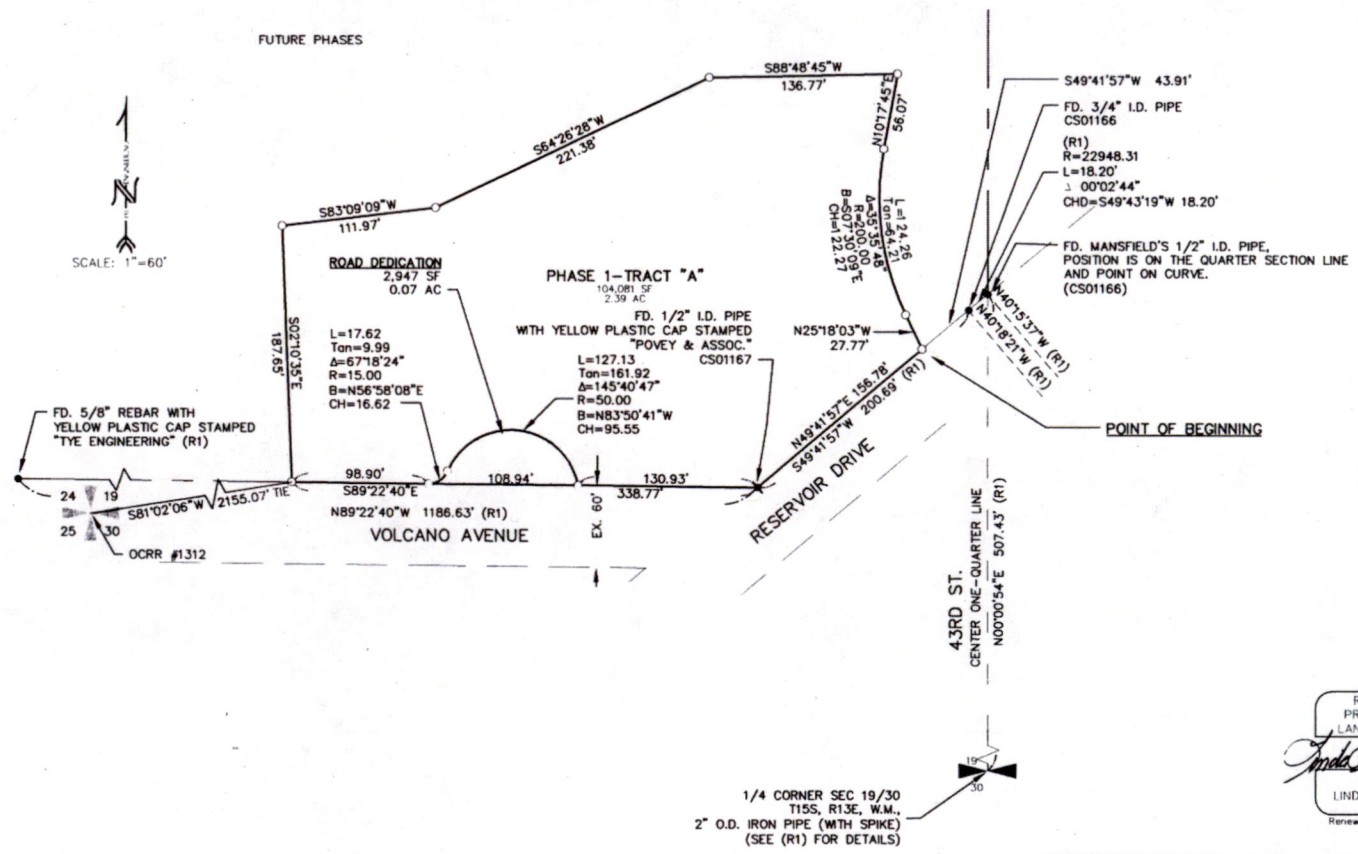
RECEIVED

JAN 10 2023

OWRD

LEGEND

- WITNESS CORNER—SET 5/8" x 30" REBAR WITH
WC YELLOW PLASTIC CAP STAMPED "TYE ENGINEERING WC"
 - SET 5/8" x 30" REBAR WITH A YELLOW
PLASTIC CAP STAMPED "TYE ENGINEERING"
 - △ SET 5/8" x 30" REBAR WITH AN 1-1/2"
ALUMINUM CAP STAMPED "TYE ENGINEERING"
 - △ WITNESS CORNER—SET 5/8" x 30" REBAR WITH AN 1-1/2"
WC ALUMINUM CAP STAMPED "TYE ENGINEERING WC"
 - FOUND 5/8" REBAR WITH YELLOW PLASTIC CAP
STAMPED "TYE ENGINEERING" SET PER (R1) OR
AS NOTED
 - FOUND 3/4" PIPE WITH A PLASTIC CAP
STAMPED "POVEY & ASSOC.",
OR AS NOTED
 - FOUND 5/8" REBAR WITH A PLASTIC CAP
STAMPED "HW" SET PER CS12819 OR CS11917,
A PART OF THE CONTROL FOR THIS SURVEY
AND FOR (R1), OR AS NOTED. SOME
WERE REMOVED DURING CONSTRUCTION,
AND NOT RE-SET PER THIS SURVEY,
OR AS NOTED.
- (M) MEASURED DATA
(C) CALCULATED DATA
G.L. GOVERNMENT LOT
(D1) DEED OF RECORD
(R1) REFERENCE MAPS (SEE SHEET 1)
(E1) RECORDED EASEMENTS (SEE SHEET 1)
COCS CENTRAL OREGON CONTROL SURVEY
OCCR OREGON CORNER RESTORATION RECORD



REGISTERED
PROFESSIONAL
LAND SURVEYOR
Linda Lee Miller
OREGON
LINDA LEE MILLER
2513
Renewal Date 12-31-07

 <small>ENGINEERING & SURVEYING, INC. 725 NW HILL, BEND, OR 97701 541-389-8299</small>	TITLE: PHASE 1 OVERVIEW MAP	
	JOB NO: 1286	
	SCALE: 1"=60'	BY: ATT
	FIELD BOOK:	1/1907 B-46-38 AB
1286-03_PHASE 1_2-1-06		SHEET: 6 OF 7

REDMOND, OR 97756

2/2

Until a change is requested all tax statements shall be sent to the following address:

CITY OF REDMOND
MICHAEL PATTERSON
PO BOX 726
REDMOND, OR 97756

WARRANTY DEED -- STATUTORY FORM

DONNIE R. DUNN and JUDIE DUNN, husband and wife, Grantor,

conveys and warrants to

CITY OF REDMOND, an Oregon municipal corporation, Grantee,

the following described real property, free of encumbrances except as specifically set forth herein, to wit:

That portion of the Southwest Quarter of the Southwest Quarter (SW 1/4 SW 1/4) of Section 9, Township 15 South, Range 13 East of the Willamette Meridian, Deschutes County, Oregon, lying Easterly of the plats of Shadow Glen Estates Phase I and Shadow Glen Estates Phase II. EXCEPTING THEREFROM that portion conveyed to J.M. Collins by deed recorded March 14, 1913, in Volume 13, Page 95, Deed Records. EXCEPTING THEREFROM that portion conveyed to Deschutes County, a political subdivision of the State of Oregon, by deed recorded May 22, 1972 in Volume 184, Page 906, Deed Records. ALSO EXCEPTING THEREFROM that portion conveyed to Juniper Investments, Inc., by deed recorded March 23, 1979 in Volume 295, Page 611, Deed Records.

Tax Account No(s): 129750
Map/Tax Lot No(s): 15-13-09-CC-00200

This property is free from encumbrances, EXCEPT: All those items of record, if any, as of the date of this deed, including any real property taxes due, but not yet payable.

The true consideration for this conveyance is \$2,365,000.00.

BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON TRANSFERRING FEE TITLE SHOULD INQUIRE ABOUT THE PERSON'S RIGHTS, IF ANY, UNDER ORS 197.352. THIS INSTRUMENT DOES NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY APPROVED USES, TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES AS DEFINED IN ORS 30.930 AND TO INQUIRE ABOUT THE RIGHTS OF NEIGHBORING PROPERTY OWNERS, IF ANY UNDER ORS 197.352.

Dated this 28 day of February, 2007.

Donnie R. Dunn
DONNIE R. DUNN

Judie R. Dunn
JUDIE DUNN

RECEIVED

JAN 10 2023

OWRD

RECORDED BY
WESTERN TITLE & ESCROW CO.

12-0011007

STATE OF OREGON, COUNTY OF DESCHUTES) SS.

This instrument was acknowledged before me on February 28, 2007 by DONNIE R. DUNN and JUDIE DUNN.

The conveyance of real property described in the attached Statutory Warranty Deed from Donnie R. Dunn and Judie Dunn, as Grantor, to the City of Redmond, an Oregon municipal corporation, Grantee, is hereby

Accepted this 28th day of February, 2007.

CITY OF REDMOND

BY *Michael Patterson*
MICHAEL PATTERSON
CITY MANAGER

STATE OF OREGON, COUNTY OF DESCHUTES) SS.

February 28, 2007

Personally appeared the above named Michael Patterson, as City Manager of the City of Redmond, an Oregon municipal corporation, and acknowledged the foregoing instrument to be his voluntary act and deed on behalf of the City of Redmond.

[Handwritten Signature]

(Notary Public for Oregon)

My commission expires 12/9/2009



RECEIVED

JAN 10 2023

OWRD

Well 10 (tax lot 151309BD06000):

***** Real Property Tax Lot Record *****

Prior Tax Lot Card is 151309B000503*****

15 13 09 B 0 00506 Code 2-001 * Current Acres 20.3315 13 09 B 0
00506 Code 2-004 *Total Acres 20.33

This description is for tax purposes ONLY and can not be attached to any legal document.

Assessor Property Description:

BEG CTR 1/4 COR SEC 9;TH N 00 10 07 W 1198.52 FT TO RIM OF DRY CANYON;TH N 36 06 33 W 102.57 FT;TH N 10 34 59 W 50.59 FT;TH S 89 48 08 W 103.37 FT;TH S 88 59 02 W 701.81 FT TO WEST RIM OF DRY CANYON;TH S 10 27 42 E 54.30 FT;TH S 28 09 57 E 32.56 FT;TH S 10 52 28 E 144.69 FT;TH S 14 49 58 W 46.70 FT;TH S 09 55 37 E 279.37 FT;TH N 79 20 31 E 112.87 FT;TH S 58 33 41 E 51.77 FT;TH S 17 54 59 E 76.22 FT;TH S 00 08 07 E 231.41 FT;TH S 02 04 20 W 258.66 FT;TH S 09 12 30 W 102.63 FT;TH S 19 01 19 W 110.97 FT;TH S 10 47 37 E 4.32 FT S LN SE1/4 OF NW1/4;TH N 89 33 13 E 641.71 FT TO TPOB.

RC970755 05/06/97

| Posted on 05/06/97 by PATF
| Source: JV 05427 & RC 962872

RC971475 09/27/97

| Posted on 09/27/97 by PATF
| Source: JV 05427 & RC 962872

RC992259 11/30/99

| Posted on 11/30/99 by EILEENW

** Text:

NAME CHANGE ON RECORD TO ADD CONTRACT INTEREST

GRANTOR: CANYON RIM PROPERTIES, PTNRSHIP CONSISTS
OF MCDONALD, IRA W. & SHIRLEY M. (H&W)
& MCDONALD, CALVIN D. & ANNABELLE M (H&W)
& ARNETT, SHELDON & BARBARA (H&W)

GRANTEES: CITY OF REDMOND

Source: MEMO OF CONTRACT 420/1667 (96-31129) REC 8-23-96

RC20020503 03/21/02

| Posted on 03/21/02 by JONCA

** Text:

FOR 2002-03:

LESS PT TO CREATE TL 509 (-1.05 AC)
BEFORE AC 21.38 AFTER AC 20.33

Source: B&S 2002-01075; JV12148

RC20020504 03/21/02

| Posted on 03/21/02 by JONCA

| Source: JV12148; RC2002-0503

Forward Tax Lot Card is 151309B000509

RECEIVED
JAN 10 2023
OWRD

Well 11 (tax lot 151309CA00103):

***** Real Property Tax Lot Record *****

Prior Tax Lot Card is 151309CA00101*****

15 13 09 C A 00103 Code 2-001 Current Acres 5.88

This description is for tax purposes ONLY and can not be attached to any legal document.

Assessor Property Description:

COMM CTR 1/4 COR SEC 9;TH S 89 33 13 W 29.97 FT TO TPOB;TH S 89 33 13 W 641.71 FT;TH S 10 47 37 E 126.16 FT;TH S 15 40 14 W 348.17 FT;TH S 35 28 21 W 51.12 FT;TH N 89 33 13 E 442.91 FT;TH N 30 45 06 E 2.02 FT;TH N 30 45 06 E 582.51 FT TO TPOB.

RC970755 05/06/97

| Posted on 05/06/97 by PATF
| Source: JV 05427 & RC 962872

RC971545 10/04/97

| Posted on 10/04/97 by PATF
| ** Text:
| Code Change From 2004 To 2001
| Source: JV 05648

RECEIVED
JAN 10 2023
OWRD

RECEIVED

JAN 10 2023

OWRD

Attachment C

Application Map

Application for Groundwater Permit - City of Redmond

From: [RATCLIFFE Katie S * WRD](#)
To: [Owen McMurtrey](#)
Cc: [JARAMILLO Lisa J * WRD](#)
Subject: RE: Map Scale Waiver for City of Redmond Groundwater Permit Application
Date: Friday, December 9, 2022 8:38:39 AM

Thanks Owen. After checking with a colleague, yes, we can grant a map scale waiver for this map. You'll likely want to make a note of the waiver when you submit the application. Have a great weekend.

[Katie Ratcliffe](#)

Water Rights Section Manager
Oregon Water Resources Department
Phone: 971-338-8105 (work cell)
katie.s.ratcliffe@water.oregon.gov

From: Owen McMurtrey <OMcMurtrey@gsiws.com>
Sent: Thursday, December 8, 2022 5:16 PM
To: RATCLIFFE Katie S * WRD <Katie.S.RATCLIFFE@water.oregon.gov>
Cc: JARAMILLO Lisa J * WRD <Lisa.J.JARAMILLO@water.oregon.gov>
Subject: RE: Map Scale Waiver for City of Redmond Groundwater Permit Application

Hi Katie,

Yes, this is a map for a new groundwater permit application. We're hoping to submit early next week. Let me know if you don't think you could grant a map scale waiver before that time. If we need to, we can break this up into several smaller maps showing only a portion of the POU on each map.

Owen

Owen McMurtrey
Water Resources Consultant
direct: 541.257.9005 | mobile: 541.740.5619
1600 SW Western Boulevard, Suite 240, Corvallis, OR 97333
GSI Water Solutions, Inc. | www.gsiws.com

RECEIVED

JAN 10 2023

OWRD

From: RATCLIFFE Katie S * WRD <Katie.S.RATCLIFFE@water.oregon.gov>
Sent: Thursday, December 8, 2022 5:12 PM
To: Owen McMurtrey <OMcMurtrey@gsiws.com>
Cc: JARAMILLO Lisa J * WRD <Lisa.J.JARAMILLO@water.oregon.gov>
Subject: RE: Map Scale Waiver for City of Redmond Groundwater Permit Application

Thanks Owen. It appears that this request is related to a forthcoming new groundwater application; if so, then the request would come to the Water Rights section. I will likely have this type of question be a task for our future lead caseworker, but that position is not yet filled.

I have not yet personally reviewed a map waiver request so will seek some internal assistance and let you know as soon as we have an answer. Around when are you hoping to submit the application?

Katie

[Katie Ratcliffe](#)

Water Rights Section Manager
Oregon Water Resources Department
Phone: 971-338-8105 (work cell)
katie.s.ratcliffe@water.oregon.gov

From: Owen McMurtrey <OMcMurtrey@gsiws.com>
Sent: Wednesday, December 7, 2022 11:49 AM
To: RATCLIFFE Katie S * WRD <Katie.S.RATCLIFFE@water.oregon.gov>
Cc: JARAMILLO Lisa J * WRD <Lisa.J.JARAMILLO@water.oregon.gov>
Subject: Map Scale Waiver for City of Redmond Groundwater Permit Application

Hi Katie,

I'm writing to request a map scale waiver (per 310-0050 (2)(c)) for a groundwater permit application to be submitted on behalf of the City of Redmond. We usually email Kelly since we're seeking waivers for transfer maps, and I actually can't recall if for new permit applications we used to send these emails to Alyssa, or if we sent them directly to Lisa, so I apologize if this email is misdirected. The requested place of use and well locations in the attached map are consistent with the City's existing water right permits.

Please let me know if there's any other info I can provide.

Thanks,

Owen

Owen McMurtrey

Water Resources Consultant

direct: 541.257.9005 | mobile: 541.740.5619
1600 SW Western Boulevard, Suite 240, Corvallis, OR 97333
GSI Water Solutions, Inc. | www.gsiws.com

RECEIVED

JAN 10 2023

OWRD

Well 6 - DESC 55853
Well 7 - DESC 57788
Well 8 - DESC 62721

RECEIVED

JAN 10 2023

OWRD

Attachment D

Well Logs

Application for Groundwater Permit - City of Redmond

DESC 55853

DRILLERS' LOG OF BOREHOLE

BOREHOLE REDMOND WELL #6

PAGE 1 OF 6

LOC. OR COORDS. SE 1/4 Sec. 21, T.15S., R.13E. (Williamette Mar)

GROUND ELEV. _____

TOTAL DEPTH _____

BOREHOLE DIAM. 2.6"

DRILLER WESTERN WATER DEVELOPMENT

RIG BACTRUS-ERIE 36L

BIT(S) 2.6" Star

FLUID Not Applicable

START DATE 4/02/03 FINISH DATE 10/31/03

TIME 08:30 16:00

GEOPHYS. LOG YES NO

HOW LEFT See Court-log

LOCATION 121° 10' 42" W 44° 15' 13" N
LOGGED BY GALE ABERNATHY & DDB ENGINEERS
PROJECT CITY OF REDMOND, OR
WELL #6

DEPTH	PEN. RATE	CIRC. RET. LOSS	AIR LIFT Q (GPM)	MATERIAL	SYMBOL	DESCRIPTION AND COMMENTS
0-1	1.048	6.6 7/2				Brown sand Broken brown & grey lava
1-2						
2-14				Lava Flow		Grey vesicular lava
14-24						Hard grey lava
24-28.5				Rubble Zone		Brown lava w/ red cinders
28.5-32						Hard grey lava
32-33						Dark brown & grey lava, Hard
33-35						Dark brown & grey lava rock, broken or casing
35-37						Brown & grey lava, broken, casing
37-38						Hard grey lava
38-40						Hard grey lava
40-43						Hard grey lava
43-45						Hard grey rock
45-47						Hard grey rock
47-50						Grey lava rock
50-55						Hard grey lava
55-59				Lava Flow		Hard grey lava
59-61						Med grey lava
61-66						Medium grey lava
66-71						Medium grey lava
71-77						Medium grey lava
77-80						Med. grey lava
80-82						Med. hard grey lava
82-88				Inter Flow Zone		Med Hard grey lava
88-91						Red & Brown conglomerate
91-92						Harder grey & brown lava
92-95						Hard dark grey lava
95-101						Black, grey & brown lava
101-102						
102-108				Cinders sandstone		Red Cinder conglomerate
108-110						
110-113						Brown & Grey lava
113-115						Brown & Grey lava
115-119						Hard grey lava
119-122				Lava Flow		Grey lava
122-127						Med. grey lava
127-131						Hard grey lava
131-134						Hard grey lava
134-136						Hard grey lava
136-142						Med grey lava
142-146						Med grey lava
146-147						Med. grey lava
147-150				Sandstone		Red & brown sandstone

RECEIVED

JAN 10 2023

OWRD

Added cement to stabilize borehole

RECEIVED

JAN 28 2004

DESC
55853

DRILLERS'
LOG OF BOREHOLE

BOREHOLE REDMOND WELL 4

PAGE 2 OF 6

LOC. OR COORDS. SE 1/4 SEC. 21
T. 15S, R. 13E. (Willamette Meridian)
GROUND ELEV. _____
TOTAL DEPTH 872 FT
BOREHOLE DIAM. 26"

DRILLER WESTERN WATER
DEVELOPMENT
RIG BURKINS-ERIE 36L
BIT(S) 26" STAR
FLUID Not Applicable

START FINISH
DATE 4/02/03 10/30/03
TIME 08:30 16:00
GEOPHYS. LOG YES NO
HOW LEFT See Constr Log

LOCATION 121° 10.428' W 44° 15.173' N
LOGGED BY GALE ABERNATHY & BOB BUCKLEY
PROJECT CITY OF REDMOND, OR
WELL # 4

DEPTH	PEN. RATE	CIRC. RET. LOSS	AIR LIFT Q (GPM)	MATERIAL	SYMBOL	DESCRIPTION AND COMMENTS
160	7	5/22				150-151 Red & brown sandstone 155-162 Medium brown sandstone MISSING reports
170	6	5/28		Sandstone		170-172 Brown & green sandstone 172-176 Brown & grey - Broken water loss 174'
180	8	5/28				177-179 Brown & black sandstone
190	5	5/29				184-187 Brown & black sandstone
200	3	5/29				187-192 Grey & black sandstone
	4	6/2				192-196 Grey & brown lava
	2.5	6/3				196-198.5 Broken brown & grey lava
210	3	6/5		Basalt Lava Flow		198.5-203 Hard grey basalt, broken 203-206 Hard grey basalt, broken 206-211 Hard grey basalt, broken
220	2	6/7				211-218 Grey basalt 218-216 Grey basalt 216-220 Hard grey basalt 220-224 Hard grey basalt
230	4	6/10				224-228 Hard grey basalt. Loss zone @ 224.5' Broken 224'-226. Hammer 226-228'
	2	6/12		rubric. zone		228-230 Broken grey lava Run 2nd Plumbress Test
	5	6/10				230-235 Broken black & brown lava
240	3	6/17				235-238 Hard dark grey-black lava - Caving?
	1	6/18				238-242 Black & Brown lava - Sloughing @ 226'
	5	6/19		Basalt Lava Flow		242-247 Black & brown lava, softer & broken 247-253 Black & brown lava
250	6	6/20				
260	4	6/23				263-267 Hard grey basalt 267-260 Hard grey basalt
	5	6/24				260-262 Broken grey lava 262-264 Broken grey
270	8	6/25		Volcanic Conglomerate		264-270 Brown volcanic conglomerate
	6	6/26				270-278 Brown volcanic conglomerate
280	11	6/27				278-292 Brown volcanic conglomerate
290	3	6/28				292-295 Brown volcanic conglomerate Rig down for repairs thru 9/10
300	7	7/6				293-300 Dark grey volcanic conglomerate

RECEIVED

JAN 28 2004

RECEIVED

JAN 10 2023

OWRD

DRILLERS' LOG OF BOREHOLE

BOREHOLE Redmond Well 6

PAGE 3 OF 6

LOC. OR COORDS. <u>SE 1/4 Sec 21</u>	DRILLER <u>WESTERN WATER</u>	START	FINISH
<u>T.15N, R.13E (Willamette Meadows)</u>	<u>DEVELOPMENT</u>	DATE <u>4/02/03</u>	<u>10/30/03</u>
GROUND ELEV. _____		TIME <u>08:30</u>	<u>16:00</u>
TOTAL DEPTH <u>872 FT</u>	RIG <u>BUDYRKS ERB 36L</u>	GEOPHYS. LOG <u>YES</u> <u>NO</u>	
BOREHOLE DIAM. <u>2 1/2"</u>	BIT(S) <u>2 1/2" STAR</u>	HOW LEFT <u>See Contr. Log</u>	
	FLUID <u>M/A</u>		

LOCATION 12.1° 10' 42.8" W 44° 01' 17.8" N
 LOGGED BY G. FERRELL & B.B. BUCKNER
 PROJECT CITY OF REDMOND, OR
 WELL # 6

DEPTH	PEN. RATE	CIRC.		AIR LIFT Q(GPM)	MATERIAL	SYM-BOL	DESCRIPTION AND COMMENTS
		RET.	LOSS				
		7	7/6		volcanic conglom-erate	300-307	
310		5	7/7			307-312	Dark grey volcanic conglomerate
		6	7/10			312-316	Dark grey volcanic conglomerate
320		7	7/11		Sandstone	316-318	Brown hard sandstone
		7	7/14			318-322	Brown sandstone
330		7	7/14			322-327	Brown sandstone
		6	7/15	swl 335-340'		327-332	Brown sandstone
340		9	7/16		Sandstone w/ gravel	332-336	Dark grey sandstone
		11	7/17			336-338	Brown sandstone
350						338-347	Brown sandstone w/ gravel
360		12	7/18			347-358	Brown sandstone w/ gravel & silt
		10	7/21		Sandstone	358-370	Brown sandstone w/ gravel
370						370-380	Grey sandstone
380		1	7/25			380-381	grayly sandstone
		10	7/21			381-391	Light grey sandstone
390		6	7/25			391-397	grey sandstone
400		8	7/28			397-405	Brown & grey sandstone
410		13	7/29			405-418	Brown sandstone
420		10	7/30			418-428	Brown & grey sandstone
430		10	7/31			428-438	Brown & grey sandstone
440		8	8/1			438-443	Brown & grey sandstone
450		6	9/4			443-451	Red-brown sandstone - Plumbline alignment test performed 2/4/04

RECEIVED
 JAN 10 2023
 OWRD

RECEIVED
 JAN 28 2004

DRILLERS' LOG OF BOREHOLE

BOREHOLE Redmond Well 6

PAGE 4 OF 6

LOC. OR COORDS. <u>SE 1/4 Sec 21, T. 15S, R. 13E. (Williamette Co.)</u>	DRILLER <u>WESTERN</u>	START DATE <u>4/02/03</u>	FINISH DATE <u>10/30/03</u>
GROUND ELEV. _____	<u>WATER DEVELOPMENT</u>	TIME <u>09:30</u>	<u>16:00</u>
TOTAL DEPTH <u>872 FT</u>	RIG <u>Budgens ERIE 36L</u>	GEOPHYS. LOG <u>X</u> YES <u>NO</u>	
BOREHOLE DIAM. <u>26"</u>	BIT(S) <u>26" STAL</u>	HOW LEFT <u>See Corrupt Log</u>	
	FLUID <u>N/A</u>		

LOCATION LOGGED BY GALE ABERNATHY & BOB BUCKNER
 12° 10' 42.8" W 44° 15' 13.3" N
 PROJECT CITY OF REDMOND
 WELL # 6

DEPTH	PEN. RATE	CIRC. REC. LOSS	AIR LIFT (GPM)	MATERIAL	SYM-BOL	DESCRIPTION AND COMMENTS
460	11	8/5		sandstone	467-472	Red brown sandstone
470	14	8/6			475-482	Brown-tan sandstone
480	11	8/7			482-490	Brown-Tan sandstone
490	8	8/8			490-497	Grey sandstone
500	13	8/11			497-498	Grey sandstone - possibly broken. Add 1 mark back cement
510	12	8/12			498-500	Brown & grey sandstone
520	10	8/13			500-508	Grey sandstone, siltier
530	12	8/14		sandstone w/ gravel	508-520	Grey sandstone w/ black sand streaks
540	12	8/15			520-530	Brown & grey sandstone
550	13	8/18			530-542	Brown sandstone w/ pea gravel
560	10	8/17			542-557	Dark grey sandstone w/ gravel
570	13	8/20			557-567	Dark grey sandstone w/ gravels
580	15	8/20			567-577	Dark grey sandstone w/ gravels possibly sloughing
590					577-590	Dark grey sandstone w/ gravel
600					590-597	Dark grey sandstone w/ gravels
					597-599	Tan brown sandstone w/ gravels

RECEIVED

JAN 28 2004

RECEIVED

JAN 10 2003

OWRD

LOG OF BOREHOLE

BOREHOLE Redmond well 6

PAGE 5 OF 6

LOC. OR COORDS. SE 1/4 Sec 21, T. 15S, R. 13E (Williamette) DRILLER WESTERN WATER DEVELOPMENT

GROUND ELEV. _____ DATE 4/02/03 10/30/03

TOTAL DEPTH 872 FT RIG Buckley-ERIE 36L TIME 08:30 16:00

BOREHOLE DIAM. 26" BIT(S) 26" STAR GEOPHYS. LOG X YES NO

FLUID N/A HOW LEFT See Constr. Log

LOCATION 121° 10' 42.8" W 44° 15' 17.5" N
 LOGGED BY GALE ABERNATHY & BOB BUCKNER
 PROJECT CITY OF REDMOND
 WELL # 6

DEPTH	PEN. RATE	CORE		AIR LIFT Q (GPM)	MATERIAL	SYM-BOL	DESCRIPTION AND COMMENTS
		802	805				
		15	8/11		Sandstone w/ gravel		577-605 Tan-brown sandstone w/ gravels
610		12	8/22				605-618 Brown sandstone w/ gravel
620							
630		14	8/25				618-632 Brown sandstone w/ gravel
640		10	8/24				622-630 Dark brown sandstone w/ cinders & gravels
650							
660		9	8/27				650-670 Dark brown sandstone w/ gravels
670							
680		16	8/28				670-686 Dark brown sandstone w/ gravels
690							
700		17 1/2	8/29				686-697 Dark brown sandstone w/ gravels & cinders
		5 1/2	9/2				697-699 Hard gray basalt
		3 1/2	9/3				699-703 Hard gray basalt
710		2 1/2	9/4				703-706 Hard gray basalt
		4	9/5				706-708.5 Hard gray basalt
		3	9/8		Basalt LAIN FLOW		708.5-712.5
720		4.5	9/9				712-715 Hard gray basalt
		3.5	9/10				715-716.5 Hard gray basalt
		4.5	9/11				716.5-724.5 Hard lt gray basalt
730		4	9/12				724.5-729 Hard gray basalt
		4	9/15				729-732 Hard gray basalt
		8	9/16				732-735.5 Hard gray basalt
740					Sandstone w/ gravel		735.5-741 Brown sandstone w/ small gravel
		12	7/7				741-746 Brown sandstone w/ gravel
750							746-753 gray sandstone w/ gravel

RECEIVED

JAN 28 2004

RECEIVED

JAN 10 2023

OWRD

DRILLERS' LOG OF BOREHOLE

BOREHOLE Redmond Well 6

PAGE 6 OF 6

LOC. OR COORDS. SE 1/4 Sec 21

DRILLER WESTER

T. 15S, R. 12E (Williamette)

WATER DEVELOPMENT

GROUND ELEV. _____

START DATE 4/24/03 FINISH DATE 10/30/03

TIME 08:30 18:00

TOTAL DEPTH 872 ft

RIG BUCKING-BOSS 36L

GEOPHYS. LOG X YES NO

BOREHOLE DIAM. 26"

BIT(S) 26" STAR

HOW LEFT S&L Constr.

FLUID NONE

Log

LOCATION 121°10.428'W 44°05.175'N
LOGGED BY GAIL ABERNATHY & BOB BUCKNER

PROJECT CITY OF REDMOND
WELL # 4

DEPTH	PEN. RATE	AIR LIFT Q(GPM)	MATERIAL	SYMBOL	DESCRIPTION AND COMMENTS
740	12 9/13 9 9/18 3 9/19 3 9/22 4 1/23		Sandstone Basalt	746-753 752-757 87-860 700-768 765-765 765-767	grey sandstone w/ gravel Hard grey vesicular lava Hard grey basalt Hard grey basalt Hard grey basalt Dark grey lava (scoria)
770	7 7/24 6 7/25 4 9/26 4 9/27		Flow boundary? Basalt	767-774 774-780 780-784 784-788	Dark grey lava Grey vesicular lava Grey Vesicular Basalt, Harder
790	4 9/30 2 10/1 3 10/2		Basalt	788-792 792-797 794-797	Hard grey basalt Hard grey basalt Hard grey basalt
800	7 10/6 2		Flow boundary? Basalt	797-803 803-806 806-807 807-811	Grey vesicular lava Hard grey basalt Hard grey basalt Dark grey vesicular lava
810	5 10/8 5 10/9 1 10/10 5 10/15		Flow boundary? Basalt	811-816 816-817 817-822 822-825	Dark grey vesicular lava Grey vesicular lava Grey vesicular lava Grey vesicular lava w/ binder seams
820	3 10/14 5 10/15 5 10/16		NO CUTTINGS Basalt	825-830 830-835 835-842	Fractured lava Fractured lava Fractured lava
840	7 10/20 3 10/21 2 10/22 2 10/23		NO CUTTINGS Basalt	842-845 845-848 848-850	Fractured lava Fractured lava Dark grey basalt Hard grey basalt
850	4 10/24 12 10/27		NO CUTTINGS Basalt	850-854 854-860	Hard grey lava Broken grey lava Broken lava
860	5 10/28 1 10/29		Cinders, sand & gravel	860-866 866-868 868-871 871-872	Dark red-brown cinders with sand & small gravel Brown red cinders & gravels Brown & grey vesicular lava [Terminate drilling on 10/29 due to formation instability. Bail the hole on 10/30]
870					
880					E-Logged 11/2/03 - sloughed in to 862'

RECEIVED
JAN 28 2004

RECEIVED
JAN 10 2023

OWRD

CITY OF REDMOND
WELL #7 DRILLERS FROMATION LOG

Description	From	To	
3/4" Crushed Rock	0	1	
Broken Gray Lava	1	15	
Gray Basalt	15	31	
Red Cinders	31	34	
Broken Black/Red Rock	34	53	
Brown Rock	53	61	
Black Lava	61	77	
Brown Sandstone	77	84	
Brown Conglomerate	84	88	
Black Lava	88	107	
Brown Sandstone	107	121	
Redish & Black Lava	121	130	
Brown Sandstone	130	133	
Black Lava	133	144	
Gray Lava	144	158	
Reddish Brown Rock	158	159	
Brown Rock	159	172	
Brown Sandstone	172	176	
Red and Black Lava	176	181	
Redish & Brown Sandstone	181	191	
Black Lava	191	206	
Brown Sandstone	206	209	
Coarse Black Sand	209	221	
Black Lava	221	243	
Brown Sandstone	243	249	
Black Lava & with Brown Ash	249	273	
Hard Black Basalt	273	283	
Red Sandstone	283	306	
Brown Sandstone	306	325	
Light Brown Sandstone	325	335	
Dark Brown Sandstone	WB 335	391	330
Black Sandstone	WB 391	423	328
Fine Black Sand	WB 423	458	328
Brown Sandstone	WB 458	526	328
Broken Blue & Gray Basalt	WB 526	529	328
Blue & Gray Basalt	WB 529	537	328
Gray Basalt	WB 537	553	328
No Cuttings Semi Soft	WB 553	585	328
No Cuttings Harder	WB 585	580	328
Red & Black Basalt	WB 580	600	328
No Cuttings Broken & Hard	WB 600	610	328
Black Basalt	WB 610	613	328
Black Sandstone	WB 613	625	328
Brown Sandstone	WB 625	632	328
Reddish Brown Sandstone	WB 632	641	328
Multi Colored Coarse Sand	WB 641	658	328

RECEIVED

JAN 10 2023

OWRD

RECEIVED

FEB 07 2007

WATER RESOURCES DEPT
SALEM, OREGON

RECEIVED

JAN 17 2007

WATER RESOURCES DEPT
SALEM, OREGON

DESC 57788

Dark Brown Sandstone	WB	658	690	328
Brown Sandstone	WB	690	706	328
Blue & Gray Basalt	WB	706	711	328
Gray Basalt	WB	711	731	328
No Cuttings Soft	WB	731	734	328
No Cuttings Harder	WB	734	741	328
No Cuttings Soft	WB	741	745	328
No Cuttings Harder	WB	745	750	328
Broken Vesicular Basalt	WB	750	754	327
Black Sandstone	WB	754	770	327
Black & Brown Sandstone	WB	770	785	327
Vesicular Black Basalt	WB	785	790	327
Vesicular Red & Black Basalt	WB	790	800	327
Hard & Broken No Cuttings	WB	800	810	327
Brown Sandstone with Multi				327
Colored Sand Lenses	WB	810	818	327
Vesicular Red & Black Basalt	WB	818	826	327
Black Sandstone	WB	826	831	327
Black & Gray Basalt	WB	831	838	327
Red & Black Basalt	WB	838	843	327
Vesicular Black Basalt	WB	843	847	327
Hard Black & Gray Basalt	WB	847	850	327
Very Hard Gray Basalt		850	860	327

RECEIVED

JAN 10 2023

OWRD

RECEIVED

FEB 07 2007

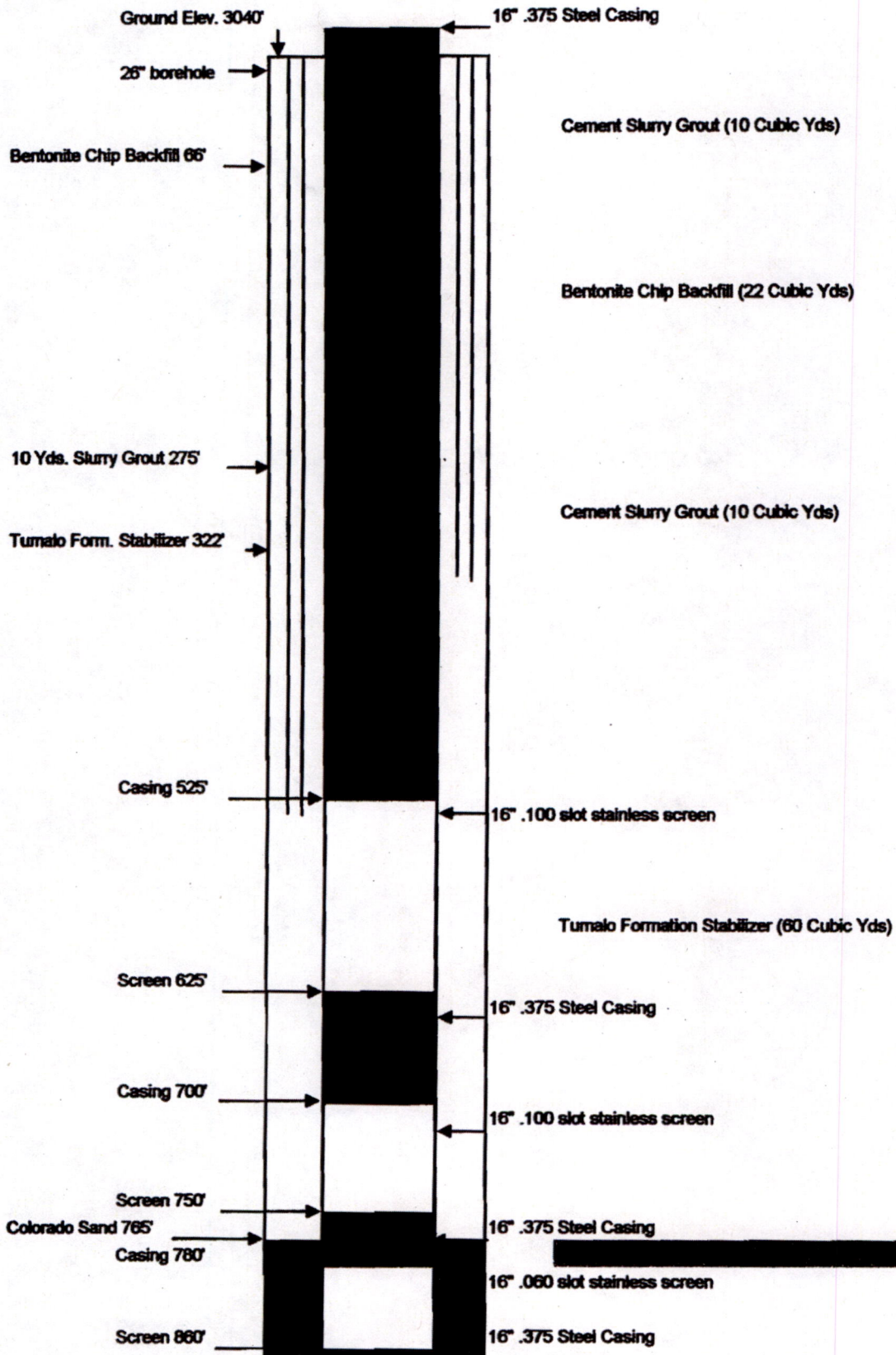
WATER RESOURCES DEPT
SALEM, OREGON

RECEIVED

JAN 17 2007

WATER RESOURCES DEPT
SALEM, OREGON

CITY OF REDMOND WELL #7 AS BUILT



RECEIVED

JAN 10 2023

OWRD

RECEIVED

FEB 07 2007

WATER RESOURCES DEPT
SALEM, OREGON

RECEIVED

JAN 17 2007

WATER RESOURCES DEPT
SALEM, OREGON

Amended 5/2/2022
STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765 & OAR 690-205-0210)

DESC 62721

WELL I.D. LABEL# L 137714
START CARD # 1048874
ORIGINAL LOG #

6/23/2021

(1) LAND OWNER Owner Well I.D.
First Name PUBLIC WORKS Last Name DEPARTMENT
Company CITY OF REDMOND
Address 243 EAST ANTLER AVENUE
City REDMOND State OR Zip 97756

(2) TYPE OF WORK [X] New Well [] Deepening [] Conversion
[] Alteration (complete 2a & 10) [] Abandonment (complete 5a)

(2a) PRE-ALTERATION
Dia + From To Gauge Stl Plstc Wld Thrd
Casing: [] [] [] [] [] [] [] []
Material From To Amt sacks/lbs
Seal: [] [] [] [] [] [] [] []

(3) DRILL METHOD
[X] Rotary Air [] Rotary Mud [X] Cable [] Auger [] Cable Mud
[X] Reverse Rotary [] Other

(4) PROPOSED USE [] Domestic [] Irrigation [X] Community
[] Industrial/ Commercial [] Livestock [] Dewatering
[] Thermal [] Injection [] Other

(5) BORE HOLE CONSTRUCTION Special Standard [] (Attach copy)
Depth of Completed Well 985.00 ft.
BORE HOLE SEAL sacks/lbs
Dia From To Material From To Amt lbs
28 0 240 Cement 0 275 858 S
26 240 986 Calculated 405.09
Calculated

How was seal placed: Method [] A [] B [] C [X] D [] E
[] Other
Backfill placed from 275 ft. to 700 ft. Material 3/8 PEA GRAVEL
Filter pack from 700 ft. to 986 ft. Material COLO SILIC Size 6/9
Explosives used: [] Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE
Proposed Amount Actual Amount

(6) CASING/LINER
Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd
[] [] 20 [X] 7 743 .375 [] [] [X] []
[] [] 18 [] 974 985 .375 [] [] [X] []
Shoe [] Inside [] Outside [] Other Location of shoe(s)
Temp casing [] Yes Dia From + To

(7) PERFORATIONS/SCREENS
Perforations Method
Screens Type Wire Wrap Slotted Material 304 Stainless
Perf/ Casing/ Screen Scrm/slot Slot # of Tele/
Screen Liner Dia From To width length slots pipe size
Screen Casing 18 744 974 .07

(8) WELL TESTS: Minimum testing time is 1 hour
[] Pump [X] Bailer [] Air [] Flowing Artesian
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)
2773 76.6 592 96
Temperature 54 °F Lab analysis [X] Yes By Umpqua
Water quality concerns? [] Yes (describe below) TDS amount 122 ppm
From To Description Amount Units

(9) LOCATION OF WELL (legal description)
County DESCHUTES Twp 15.00 S N/S Range 13.00 E E/W WM
Sec 19 SE 1/4 of the SW 1/4 Tax Lot 102
Tax Map Number Lot
Lat " or 44.24869500 DMS or DD
Long " or -121.22079200 DMS or DD
[] Street address of well [] Nearest address
4365 SW VOLCANO AVENUE, REDMOND, OR 97756

(10) STATIC WATER LEVEL
Date SWL(psi) + SWL(ft)
Existing Well / Pre-Alteration
Completed Well 5/26/2021 471
Flowing Artesian? [] Dry Hole? []
WATER BEARING ZONES Depth water was first found 455.00
SWL Date From To Est Flow SWL(psi) + SWL(ft)
12/11/2020 455 505 250 452
2/26/2021 505 742 1500 459
3/4/2021 742 986 3000 471

(11) WELL LOG Ground Elevation 3177.00
Material From To
Crushed Gravel & Loose Boulders 0 3
Brown Ash & Boulders 3 21
Brown Cemented Boulders 21 42
Boulders 42 51
Soft Brown Rock 51 52
Boulder 52 53
Soft Brown Rock 53 58
Hard Brown & Red Basalt 58 60
Brown & Red Rock & Ash 60 86
Hard Gray Basalt 86 137
Brown Conglomerate 137 152
Reddish Brown Conglomerate 152 176
Brown Conglomerate 176 195
Reddish Conglomerate & Red Cinders 195 205
Red & Black Broken Basalt 205 233
Gray Basalt 233 290
Mild Gray Basalt 290 332
Broken Gray Basalt & Cinders 332 339
Gray Basalt 339 345
RECEIVED JAN 10 2023 OWRD

Date Started 9/4/2020 Completed 5/26/2021
(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
License Number Date
Signed

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
License Number 1385 Date 6/23/2021
Signed ROBERT BUCKNER (E-filed)
Contact Info (optional)

WATER SUPPLY WELL REPORT - continuation page

DESC 62721

WELL I.D. LABEL# L137714
START CARD # 1048874
ORIGINAL LOG #

6/23/2021

(2a) PRE-ALTERATION

Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
					○ ○			
					○ ○			
					○ ○			
					○ ○			
					○ ○			
					○ ○			
					○ ○			
					○ ○			

Material	From	To	Amt	sacks/lbs

(5) BORE HOLE CONSTRUCTION

BORE HOLE			SEAL			sacks/
Dia	From	To	Material	From	To	lbs
					Calculated	
					Calculated	
					Calculated	
					Calculated	

FILTER PACK

From	To	Material	Size

(6) CASING/LINER

Casing Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
○ ○						○ ○			
○ ○						○ ○			
○ ○						○ ○			
○ ○						○ ○			
○ ○						○ ○			
○ ○						○ ○			
○ ○						○ ○			
○ ○						○ ○			
○ ○						○ ○			

(7) PERFORATIONS/SCREENS

Perf/ Screen	Casing/ Screen Liner	Screen Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size

(8) WELL TESTS: Minimum testing time is 1 hour

Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)

Water Quality Concerns

From	To	Description	Amount	Units

(10) STATIC WATER LEVEL

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)

(11) WELL LOG

Material	From	To
Lost Circulation	345	346
Mild Gray Basalt	346	370
Red & Black Cinders	370	375
Red Cinders	375	405
Brown Conglomerate Brn. Sandstone	405	465
Gray & Brown Ash & Gravel	465	505
Brown Sandstone & Basalt	505	540
Red Cinders	540	545
Gray Basalt	545	555
Pink Tuff / Pumice	555	563
Coarse Black Sand & Gravels	563	575
Tan Pumice	575	595
Coarse Black Sand & Gravels	595	633
Multi Color Sand & Gravels	633	742
Broken Dark Gray & Red Basalt	742	783
Broken Gray Basalt	783	795
Broken Red Basalt with Red Tuff	795	817
Red Multi Colored Sand Medium Coarse	817	825
Coarse Black Sand	825	845
Broken Dark Gray Basalt	845	854
Coarse Black Sand	854	856
Medium Hard Gray Basalt	856	864
Red & Black Cinders	864	867
Porous Broken Gray Basalt	867	937
Broken Gray Basalt	937	961
Red Cinders	961	965
Red Sandstone	965	970
Brown Sandstone & White Pumice	970	977
Broken Gray Basalt	977	986

Comments/Remarks

Backfill with bentonite frm 275' to 280': 20"X 18" concentric reducer frm 743' to 744'.

RECEIVED

JAN 10 2023

OWRD

WATER SUPPLY WELL REPORT - Map with location identified must be attached and shall include an approximate scale and north arrow

DESC 62721

6/23/2021

RECEIVED

JAN 10 2023

OWRD

Map of Hole

STATE OF OREGON WELL LOCATION MAP

This map is supplemental to the WATER SUPPLY WELL REPORT

Oregon Water Resources Department

725 Summer St NE, Salem OR 97301
(503)986-0900



LOCATION OF WELL

Latitude: 44.24869500/ Datum: WGS84

Longitude: -121.22079200

Township/Range/Section/Quarter-Quarter Section:

WM15.00S13.00E19SESW

Address of Well:

4365 SW VOLCANO AVENUE, REDMOND, OR 97756

Well Label: 137714

Printed: June 8, 2021

DISCLAIMER: This map is intended to represent the approximate location of the well. It is not intended to be construed as survey accurate in any manner.

Provided by well constructor



RECEIVED

JAN 10 2023

OWRD

Attachment E

Form M

Application for Groundwater Permit – City of Redmond

Oregon Water Resources Department

RECEIVED

FORM M

JAN 10 2023

FOR MUNICIPAL AND QUASI-MUNICIPAL WATER SUPPLIES

[Information needed to make findings related to ORS 537.153(3)(c)]

OWRD

- Please supply the required information in the spaces provided below. If any section of this form is not applicable, please write N/A and provide an explanation why it does not apply.
- Do not attach reference documents. If there is a need, the Department will request them.
- Your signature is certification that identified information is contained in the reference document(s).
- If adequate space is not available on this form to describe and justify your request for additional water, attach additional pages as necessary.

Water Supplier Information

Please provide the following information related to the water supplier requesting additional water. It should be noted that the name of a water supplier is often different than the service area (e.g., *City of ABC and XYZ Urban Growth Boundary*).

Cities are not the only municipal corporation; many kinds of special districts are also allowed to purvey water. Applications requesting to use water for Quasi-Municipal use may be submitted by entities including, but not limited to, the following types of governance: a water association; private water company; or (if under the articles of incorporation) a broader corporation such as a destination resort. Please attach a copy of the article of incorporation related to your distribution of water.

Name of Water Supplier/Entity	Name of Service Area	Governance	Contact Person
City of Redmond	City of Redmond Service Area	City	Josh Wedding
List any water suppliers within the same service area and/or any self-supplied industrial user. (Attach an extra sheet, if necessary.)			
South Redmond Heights	Bentwood Estates		

Request for Additional Water

Briefly explain the reason(s) for your request for additional water (e.g. *loss of current supply, backup, emergency supply, peak demand, growth, or other*). Much of the information needed may be contained in your Water Management and Conservation Plan, Water System Master Plan, or Capital Improvement Plan (as applicable).

Reason(s) for the Request for Additional Water	Time Table for Development of the Additional Water	Justification for Water Source & Amount Requested
In order to meet the City's 2043 projected maximum operational demand of 49.99 cfs.	If the new permit were issued in 2023, the expected development deadline would be by 2043.	The City's projected peak demands are expected to exceed the maximum authorized rate of the City's municipal supply groundwater rights. A new groundwater right from existing and planned City wells will be needed, in combination with the City's on-going conservation efforts, to meet the City's demands.

Water Management and Conservation

- Do you have an approved Water Management and Conservation Plan? Yes No
- List the "In-Effect" date of your most recently approved Water Management and Conservation Plan: **Draft plan submitted September 2022**
- Is your system fully metered? Yes No
- Do you perform annual water audits? Yes No
- Annual amount of water produced (MG): **2542**
(diverted or appropriated)
- Annual amount of water billed for (MG): **2467**
(metered consumption)
- Identify your system's current annual water loss: **3.0%**
(difference between the amount of water produced and the water billed for)
- Describe your rate structure and billing schedule: **The City has a monthly basic charge based on meter size and a consumption charge based on the quantity of water metered at the service connections.**
[e.g., commodity rate (uniform rate, declining or inverted block rate); fixed charge with a commodity rate; or a fixed charge and commodity rate using a seasonal differential.]

Population

A supplier's population includes both permanent residential and transient populations. Residential population should be from census data or, if estimated, the method of estimation must be documented. Adopted comprehensive land use plans, water system master plans, or water management and conservation plans are examples of acceptable documentation. Transient populations are routine users of water by employers (*such as manufacturing or call center type facilities*) that increase the demand within a supplier's service area. Resort areas, regional airports, sea ports, areas with seasonally variable populations, and colleges/universities are also subject to this transient population test. Special events which are rare occasions (*such as parades, rodeos, festivals, etc.*) are not reasons to apply the transient population test.

Below, please indicate the current population to which you serve water, and cite the source of that information. Please also provide the historic population growth rate over the past 10 years and the projected population you anticipate serving in 20 years.

Present Population being Served:	Source of Information
36,123	Portland State Population Research Center Certified Estimates, with Corrections, as applicable.
Historic population growth rate over the past 10 years:	Source of Information
3.2% (26,305 in 2011 to 36,123 in 2021)	Portland State Population Research Center Certified Estimates, with Corrections, as applicable.
Projected Population to be Served in 20 Years:	Source of Estimate/Method Used
56,810 in 2043	Chen, C., Sharygin, E., Whyte, M., Loftus, D., Rynerson, C., Alkitkat, H. (2022). Coordinated Population Forecast for Deschutes County, its Urban Growth Boundaries (UGB), and Area Outside UGBs 2022-2072. Population Research Center, Portland State University.

Current Water Supply

In the table below, please describe all of the sources of your current water supply inventory (*both active and inactive*). Identify those sources and associated water rights that are currently in use. Additionally, please identify any water sources/water rights that are not currently used, or used only on a seasonal or emergency basis, and describe the reason(s) why. If any portion of your water supply is being purchased, identify the supplying entity and, if possible, indicate the water source.

Water Source (Include any wholesale purchases of water)	Water Right Numbers (Permit and/or Certificate)	Priority Date	Amount of Water Allowed	Actively Used? (Yes or No) If "No," explain.
Deschutes River	2016	4/22/1912	2.00 cfs	No – surface water leased instream
Wells 1, 2, 4, 5, 6, and 7 in the Deschutes River Basin	87796 T-13391 adds Wells 8 and 9 (Inchoate)	11/25/1991	5.00 cfs	Yes, wells 1 through 8 are City's current water supply wells. Wells 9 through 11 are planned wells.
Wells 1, 2, 4, 5, 6, and 7 in the Deschutes Basin	89448 T-13391 adds Wells 8 and 9 (Inchoate)	3/27/1975	3.30 cfs	
Wells 1, 2, 4, 5, 6, and 7 in the Deschutes Basin	89447 T-13391 adds Wells 8 and 9 (Inchoate)	9/5/1969	2.22 cfs	
Wells 1, 2, 4, 5, 6, and 7 in the Deschutes Basin	89415 T-13391 adds Wells 8 and 9 (Inchoate)	9/25/1985	6.90 cfs	
Well 3	82751	11/7/1979	2.45 cfs	
Wells 6, 7, 8, 9, 10 and 11 in the Deschutes Basin	G-18157	1/13/1999	25.00 cfs (3492.0 AF)	
Redmond Municipal Sewage Treatment Plant	59048	10/23/1980	286.0 AF	No – wastewater system only.
Sewage Effluent Storage Reservoir (Redmond Municipal WWTP)	59049	3/21/1979	286.0 AF	
Redmond Municipal Sewage Treatment Plant	59050	3/20/1981	567.2 AF	
A well in the Deschutes Basin for irrigation use (DESC 55844)	87589	11/6/2006	282.6 AF	Yes, but not connected to municipal water supply system.

Is this application for a new water use permit intended to be used as a primary or backup source? Explain how this right will be used to meet current demand and/or how it will be used to increase reliability and resiliency?

This application is for a new water use permit intended to be used at wells 6 through 11, which are or will be among the City's primary water supply wells. This right will increase the maximum authorized rate of the City's municipal water supply groundwater rights from the current rate of 44.87 cfs to 49.99 cfs, equal to the City's projected 2043 maximum operational demand.

RECEIVED

JAN 10 2023

OWRD

Current Water Use

Describe the nature of your current demands for water, as well as the water sources used to meet those needs.

Current Demands for Water (Year: 2021)

Water Source (Including wholesale water purchases)	Water Right Numbers (Permit and/or Certificate)	Peak or Maximum Demand		Average Demand	
		Maximum Instantaneous Rate (in cfs or gpm)	Maximum Daily Demand (MG)	Average Daily Demand (MG)	Average Annual Demand (MG)
Deschutes River	2016	N/A – Not in use (leased instream IL-1346)			
Wells 1, 2, 4, 5, 6, and 7 in the Deschutes River Basin	87796 T-13391 adds Wells 8 and 9 (Inchoate)	28.74 cfs	15.63 MG	6.96 MG	2541.8 MG
Wells 1, 2, 4, 5, 6, and 7 in the Deschutes Basin	89448 T-13391 adds Wells 8 and 9 (Inchoate)				
Wells 1, 2, 4, 5, 6, and 7 in the Deschutes Basin	89447 T-13391 adds Wells 8 and 9 (Inchoate)				
Wells 1, 2, 4, 5, 6, and 7 in the Deschutes Basin	89415 T-13391 adds Wells 8 and 9 (Inchoate)				
Well 3	82751				
Wells 6, 7, 8, 9, 10 and 11 in the Deschutes Basin	G-18157				
Redmond Municipal Sewage Treatment Plant	59048	N/A – Not associated with municipal water supply system.			
Sewage Effluent Storage Reservoir (Redmond Municipal WWTP)	59049				
Redmond Municipal Sewage Treatment Plant	59050				
A well in the Deschutes Basin for irrigation use (DESC 55844)	87589				

- Per-capita daily demand (in gallons): 193
(Divide average annual water sales demand by population to arrive at consumption, and then divide by 365 to get daily values.)
- Peak season (by month/day): 6/1 to 9/30
- Peak Season number of hours diverted/pumped (if available): 24
- Peak season per-capita daily ~~consumption~~ demand (in gallons): 339
(Divide total peak season demand by population and the number of days during the peak.)
- Peaking Factor (ratio between max day demand and average day demand): 2.24

RECEIVED
JAN 10 2023
OWRD

Projected Water Use

Describe your anticipated water demands for the next 20 years, and identify the sources of water (*existing and/or new*) that will be used to meet those demands. Please also describe the methodology and/or information source used to make the projected water demand estimates.

Projected Demands for Water in 20 Years (Year: 2043)

- Current average per capita demand (in gallons): 193
- Projected population served in year (2043): 56,810
- Projected average annual demand (MG): 3997.5
- Projected average daily demand (MG): 10.95
- Current peaking value: 2.24
- Projected maximum daily demand (MG): 24.58

RECEIVED

JAN 10 2023

OWRD

Water Source (Including wholesale water purchases)	Water Right Numbers (Permit and/or Certificate) If a new water source, indicate so.	Projected Peak Daily Demand		Projected Average Daily Demand	
		Maximum Instantaneous Rate (in cfs or gpm)	Maximum Daily Demand (MG)	Average Daily Demand (MG)	Average Annual Demand (MG)
Deschutes River	2016	N/A – No plans to develop a surface water system.			
Wells 1, 2, 4, 5, 6, and 7 in the Deschutes River Basin	87796 T-13391 adds Wells 8 and 9 (Inchoate)	49.99 cfs	24.58 MG	12.2 MG	4458.2 MG
Wells 1, 2, 4, 5, 6, and 7 in the Deschutes Basin	89448 T-13391 adds Wells 8 and 9 (Inchoate)				
Wells 1, 2, 4, 5, 6, and 7 in the Deschutes Basin	89447 T-13391 adds Wells 8 and 9 (Inchoate)				
Wells 1, 2, 4, 5, 6, and 7 in the Deschutes Basin	89415 T-13391 adds Wells 8 and 9 (Inchoate)				
Well 3	82751				
Wells 6, 7, 8, 9, 10 and 11 in the Deschutes Basin	G-18157				
Redmond Municipal Sewage Treatment Plant	59048	N/A – Not associated with municipal water supply system.			
Sewage Effluent Storage Reservoir (Redmond Municipal WWTP)	59049				
Redmond Municipal Sewage Treatment Plant	59050				

RECEIVED

JAN 10 2023

OWRD

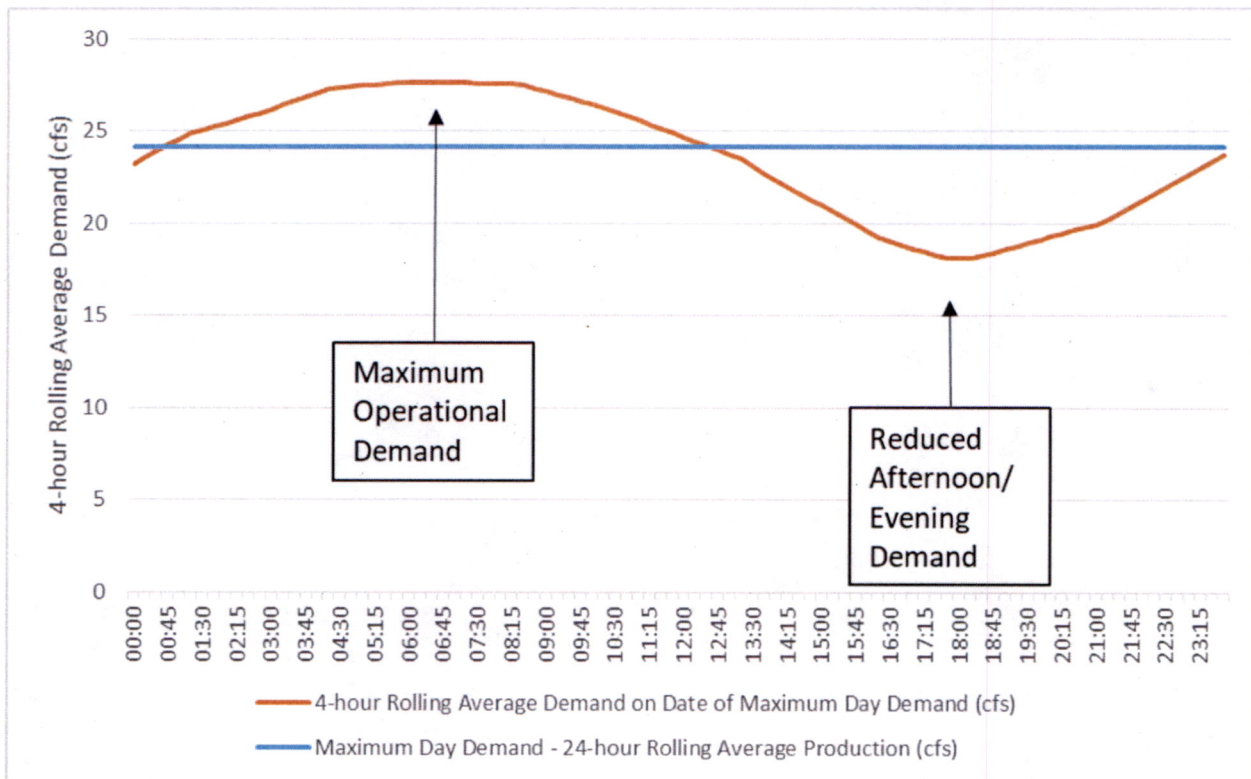
A well in the Deschutes Basin for irrigation use (DESC 55844)

87589

Source or Methodology Used for Demand Projections:

The City's WMCP, submitted in September 2022, forecasts the maximum operational (4-hour rolling average) demand through 2043 based on peaking factors described in the City's 2021 Water System Master Plan.

The City's water demands vary throughout the day, particularly during the peak season. For the purposes of these projections, the City's "maximum operational demand" is the maximum 4-hour rolling average rate of the City's groundwater production. Using the 4-hour rolling average demand reduces the impact of brief and anomalous spikes in source water demand. The City's maximum operational demand is approximately 15 percent higher than the City's MDD. Typically, throughout the peak demand season, the City's demands are higher than the daily average during the night, peak during the morning hours, and then fall during the afternoon. The figure below shows the City's maximum operational demand on June 29, 2021, the date on which the MDD occurred in 2021. This pattern reflects, in part, the City's conservation outreach regarding landscape irrigation, which encourages water users to irrigate only between the hours of 7 PM and 7 AM. The demand forecast anticipates that the maximum operational demand will grow at the same rate as the City's MDD.



To project future average and maximum day demands, the City assumed per capita average day demand of 215 gpcd and an ADD:MDD peaking factor of 2.3, both consistent with the City's 2021 Water System Master Plan. To project maximum operational demand, the MDD was increased by 15 percent as described above. Due to rapid population growth from 2020 through 2022, this demand projection uses Portland State Population Research Center's 2022 population forecast for the Redmond UGB. Maximum operational demand is projected to be 41.54 cfs in 2032, 49.27 cfs in 2042, and 49.99 cfs in 2043.

Describe any issues, deficiencies or limitations associated with your current water supply inventory contributing to the need to acquire additional water in order to satisfy your current and/or projected 20-year demands:

Development of the Deschutes River as a source of water under Certificate 2016 is not feasible. The City holds this right in reserve and may use the right for mitigation credits.

Annual Water Use by Type

In the table below, list the quantity of water ~~diverted~~ sold for each type of water use and the percentage of the total diversion associated with that use type:

Note that the below table presents information about water sales from the City of Redmond's WMCP, as shown in Exhibits 2-9 and 2-10 in the WMCP. The projected use in 20 years is scaled up in proportion to the projected growth of the ADD.

Type	Current Use		Use In 20 Years	
	Quantity Diverted Sold:	Percentage of Total Diversion Sales:	Projected Quantity to be Diverted Sold:	Percentage of Total Diversion Sales:
Single Family Residential:	1503	61%	2636	61%
Commercial:	624	25%	430	25%
Institutional¹; Multi-family Residential:	624	10%	1095	10%
Agricultural²; City:	95	4%	166	4%
Industrial:				
Other: (specify use)				
System Water Loss:	3.3%		3.3%	
Total Diverted-Sold:	2467		4327	

¹: Institution use includes water served to hospitals, federal, state, or municipal connections, and school districts.

²: Agricultural use includes any type of customer with a service connection dedicated for the raising of livestock or edible or non-edible crops.

Last revision: May 1, 2018/WRSD

RECEIVED

JAN 10 2023

OWRD

RECEIVED

JAN 10 2023

OWRD

Attachment F

Conservation Benchmarks

Application for Groundwater Permit - City of Redmond

RECEIVED

JAN 10 2023

OWRD

<p>OWRD 690-086-0150 (Municipal Water Conservation Element for a Municipal WMCP) Section Requirement</p>	<p>OWRD 690-086-0150 Sub-section Requirement (Conservation Program Measure)</p>	<p>Current (2022) Conservation Program Description</p>	<p>Five-year (2027) Conservation Benchmark</p>
<p>(4) A description of the specific activities, along with a schedule that establishes five-year Benchmarks, for implementation of each of the following conservation measures that are required of all Municipal Water Suppliers</p>	<p>(4)(a) Annual Water Audit: An annual water audit that includes a systematic and documented methodology for estimating un-metered authorized and unauthorized uses, and an analysis of the water supplier's own water use to identify alternatives to increase efficiency</p>	<p>The City audits its water system monthly and summarizes the audit results annually. The City's water loss was 3.0 percent in 2021 and averaged 3.3 percent from 2017 through 2021. Water loss has been below 5 percent since 2014.</p>	<p>The City will continue to conduct annual water audits.</p>
	<p>(4)(b) System Metering: If the system is not fully metered, a program to install meters on all un-metered Water Service Connections</p>	<p>All connections within the water system are metered. The City implemented AMI, built by Aclara and paired with Badger E-Series Ultrasonic Meters. Automated Meter Reading (AMR) equipment is installed on all meters.</p>	<p>The City will continue to require that all new connections are metered.</p>
	<p>(4)(c) Meter Testing and Maintenance Program</p>	<p>The City continues to implement its meter testing and replacement program, which includes the following:</p> <ul style="list-style-type: none"> • All large meters are tested on an annual basis. • Large meters that can be repaired or retrofitted with AMR registers, and those that cannot be repaired are replaced with new AMR meters. • All large meters are read multiple times daily so the City can identify meter malfunctions or leaks and track irrigation schedules. Customers are promptly notified of leaks. 	<p>The City will continue to implement its meter testing and maintenance program.</p>
	<p>(4)(d) Rate Structure: A rate structure under which customers' bills are based, at least in part, on the quantity of water metered at the service connections</p>	<p>The City bills customers based, in part, on the amount of water metered at the service connection.</p>	<p>The City will continue to bill customers based, in part, on the amount of water metered at the service connection.</p>

RECEIVED

JAN 10 2023

OWRD

OAR 690-086-0150 (Municipal Water Conservation Element for a Municipal WMCP) Section Requirement	OAR 690-086-0150 Sub-section Requirement (Conservation Program Measure)	Current (2022) Conservation Program Description	Five-year (2027) Conservation Benchmark
<p>(4) A description of the specific activities, along with a schedule that establishes five-year Benchmarks, for implementation of each of the following conservation measures that are required of all Municipal Water Suppliers</p>	<p>(4)(e)* Water Loss Analysis: Applicable if losses exceed 10%</p>	<p><i>*Not required - The City's water loss has been below 5 percent since 2014. The City still continues its efforts to minimize water loss:</i></p> <p>The City has a leak detection repair program that consists of an AMR record review, water audits utilizing AMI and SCADA, an asset management program, and compiling and addressing a capital maintenance list.</p>	<p>The City will continue efforts to minimize water loss, such as conducting annual water audits and implementing its leak detection and repair program.</p>
	<p>(4)(f) Public Education: A public education program proportional to the size of the Municipal Water Supplier to encourage efficient indoor and outdoor water use that includes regular communication of the supplier's water conservation activities and schedule to customers</p>	<p>The City's public education program includes water conservation outreach through print materials, its website, community events, and elementary school education (all described below).</p> <p><i>The City's water conservation webpage includes the following:</i></p> <ul style="list-style-type: none"> • AquaHawk water monitoring • Free water conservation items • Rebates • Indoor and outdoor water conservation actions • Do-It-Yourself Household Water Assessment • Indoor and outdoor water use calculator • The weather station • City water conservation efforts 	<p>The City will continue to implement water conservation public outreach efforts, including developing print and online outreach materials, supporting elementary school education, and conducting outreach at community events.</p>
	<p><i>The City's water conservation print materials include the following:</i></p> <ul style="list-style-type: none"> • Brochures covering indoor and outdoor conservation, leak detection, and irrigation technologies • Door hangers (Leak Alert and Wasting Water Notice) • City newsletter articles (four per year) that promote water conservation • Water conservation billing messages and inserts included in water bills 		

RECEIVED

JAN 10 2023

OWRD

OAR 690-086-0150 (Municipal Water Conservation Element for a Municipal WMCP) Section Requirement	OAR 690-086-0150 Sub-section Requirement (Conservation Program Measure)	Current (2022) Conservation Program Description	Five-year (2027) Conservation Benchmark
<p>(4) A description of the specific activities, along with a schedule that establishes five-year Benchmarks, for implementation of each of the following conservation measures that are required of all Municipal Water Suppliers</p>	<p>(4)(f) Public Education: A public education program proportional to the size of the Municipal Water Supplier to encourage efficient indoor and outdoor water use that includes regular communication of the supplier's water conservation activities and schedule to customers</p>	<p><i>The City's outreach at community events includes the following:</i></p> <ul style="list-style-type: none"> • The City has a booth set up that has included such outreach approaches as a banner promoting water conservation, a groundwater model, brochures, an interactive game, fun worksheets, free water-efficient fixtures, and more. • The City has set up a booth at Redmond's Music on the Green, Home and Garden Show, and Farmer's Market. The City aims to host a booth at three events per year. • The City finished second in the Wyland National Mayor's Challenge for Water Conservation of 2022 for its population size category, with residents making 20,587 pledges to reduce water use by 8.4 MG. The City promoted the event through its newsletter, a press release, and social media. <p><i>The City's conservation elementary school education includes the following:</i></p> <ul style="list-style-type: none"> • In 2017, the City developed a lesson for elementary schoolers describing the City's water sources and conservation concepts. • In 2018, the City presented its elementary school lesson and led a field trip to a newly installed well. • In 2019, the City visited two classrooms to teach students about water conservation. • In 2022 (the City did not conduct events in 2020 or 2021 due to the pandemic), the City presented in six classrooms at three elementary schools. • In 2022, The City offered up to \$125 to each elementary school in the Redmond School District to purchase books about water for students. 	<p>The City will continue to implement water conservation public outreach efforts, including developing print and online outreach materials, supporting elementary school education, and conducting outreach at community events.</p>

OAR 690-086-0150 (Municipal Water Conservation Element for a Municipal WMCP) Section Requirement	OAR 690-086-0150 Sub-section Requirement (Conservation Program Measure)	Current (2022) Conservation Program Description	Five-year (2027) Conservation Benchmark
<p>(5) If the Municipal Water Supplier serves a population greater than 1,000 and proposes to expand or initiate diversion of water under an Extended Permit for which resource issues have been identified under OAR 690-086-0140 (Municipal Water Supplier Description for a Municipal WMCP)(5)(i), or if the Municipal Water Supplier serves a population greater than 7,500, a description of the specific activities, along with a schedule that establishes five-year Benchmarks, for implementation of each of the following measures; or documentation showing that implementation of the measures is neither feasible nor appropriate for ensuring the efficient use of water and the prevention of waste:</p>	<p>(5)(a) Technical and Financial Assistance: Technical and financial assistance programs to encourage and aid residential, commercial, and industrial customers in the implementation of conservation measures</p>	<p>The City is implementing technical and financial assistance measures in the recommended water conservation program from the December 2017 <i>Water Conservation Cost-effectiveness Analysis</i> report:</p> <ul style="list-style-type: none"> • The City added an online water audit to its website. • The City has offered AquaHawk since 2015, a water monitoring service that allows customers to receive leak alerts, monitor water usage information online, and set threshold alerts. As of 2021, approximately 10 to 12 percent of customers are signed up for this program. • The City installed AMR in City parks to track water use to help develop conservation targets for the parks. • The City identified rental and vacation home properties as a significant portion of its water users. It reached out to property management companies in 2022 to offer free efficient faucet aerators and showerheads. • The City offers shower timers and watering gauges at the Public Works Department and City Hall. 	<ul style="list-style-type: none"> • The City will continue offering customers the AquaHawk water monitoring tool. • In the next five years, the Public Works Department will work with the Parks Department to identify water conservation opportunities. • In the next five years, the City will work with the Redmond School District to identify strategies to conserve water. • In the next five years, the City will work with property management companies to identify water conservation strategies. It will also develop a flyer describing incentives offered by the City and voluntary actions to encourage water conservation at rental/vacation home properties.
	<p>(5)(b) Fixture Retrofit and Replacement: Supplier financed retrofitting or replacement of existing inefficient water-using fixtures, including distribution of residential conservation kits and rebates for customer investments in water conservation</p>	<p>The City is implementing water fixture retrofit and replacement measures recommended in the 2017 <i>Water Conservation Cost-effectiveness Analysis</i>:</p> <ul style="list-style-type: none"> • The City expanded the advertising and distribution of free water-efficient faucet aerators, showerheads, and toilet tank displacement bags. • The City implemented an Irrigation Rebates Program that offers rebates on weather-based irrigation controllers (up to \$125), rotating sprinkler nozzles (\$2 per nozzle, up to 20), and soil moisture sensors (up to \$70) to reduce water use during the peak summer season. Customers with weather-based irrigation controllers can link their irrigation systems to weather data provided on the City's website. • As of 2022, the City's Parks Division is working on completing a cost-effectiveness analysis of irrigation fixture retrofit or replacement in City parks. 	<ul style="list-style-type: none"> • The City will continue to target older homes for retrofits with water-saving fixtures, such as showerheads. • The City will continue offering free water-efficient faucet aerators, showerheads, and rebates.

RECEIVED

JAN 10 2023

OWRD

OAR 690-086-0150 (Municipal Water Conservation Element for a Municipal WMCP) Section Requirement	OAR 690-086-0150 Sub-section Requirement (Conservation Program Measure)	Current (2022) Conservation Program Description	Five-year (2027) Conservation Benchmark
<p>(5) If the Municipal Water Supplier serves a population greater than 1,000 and proposes to expand or initiate diversion of water under an Extended Permit for which resource issues have been identified under OAR 690-086-0140 (Municipal Water Supplier Description for a Municipal WMCP)(5)(i), or if the Municipal Water Supplier serves a population greater than 7,500, a description of the specific activities, along with a schedule that establishes five-year Benchmarks, for implementation of each of the following measures; or documentation showing that implementation of the measures is neither feasible nor appropriate for ensuring the efficient use of water and the prevention of waste:</p>	<p>(5)(c) Rate Structure and Billing Schedule Assessment: Adoption of rate structures, billing schedules, and other associated programs that support and encourage water conservation</p>	<ul style="list-style-type: none"> • The City provides short conservation messages in monthly water bills and a conservation billing insert in July. The monthly bills and the ability of customers to continuously track water use and set Threshold Alerts through AquaHawk promote water conservation and provide timely feedback on water usage to customers. • Students at the University of Oregon studied tiered rates for the City and presented the results to the Mayor and City Council in 2016. The City Council opposed the idea of tiered rates, and the topic has not been revisited since 2016. 	<p>The City will continue to encourage water conservation in monthly water bills.</p>
	<p>(5)(d) Water Reuse, Recycling, and Non-potable Supply Opportunities</p>	<ul style="list-style-type: none"> • The City researched using reclaimed water from the Water Pollution Control Facility (WPCF) to irrigate parks, golf courses, and other large open spaces. It determined that reclaimed water use was financially unfeasible due to the distance to the WPCF and capital costs for treatment plant upgrades. • The City's Wastewater Treatment Plant (WWTP) discharges effluent into infiltration basins in the winter and fully reuses all water in the summer. In the winter, treated wastewater enters four large infiltration basins at a moderate rate. The City has groundwater monitoring wells around the infiltration basins to test water quality. In the summer, wastewater is treated to Class C recycled water standards and reused in WWTP process water and on City-owned fields for irrigation. • The City has not identified any new water reuse and recycling opportunities but continues to look into more options. 	<p>The City will continue to investigate water reuse and recycling opportunities.</p>

RECEIVED

JAN 10 2023

OWRD

OAR 690-086-0150 (Municipal Water Conservation Element for a Municipal WMCP) Section Requirement	OAR 690-086-0150 Sub-section Requirement (Conservation Program Measure)	Current (2022) Conservation Program Description	Five-year (2027) Conservation Benchmark
<p>(5) If the Municipal Water Supplier serves a population greater than 1,000 and proposes to expand or initiate diversion of water under an Extended Permit for which resource issues have been identified under OAR 690-086-0140 (Municipal Water Supplier Description for a Municipal WMCP)(5)(i), or if the Municipal Water Supplier serves a population greater than 7,500, a description of the specific activities, along with a schedule that establishes five-year Benchmarks, for implementation of each of the following measures; or documentation showing that implementation of the measures is neither feasible nor appropriate for ensuring the efficient use of water and the prevention of waste:</p>	<p>(5)(e) Other Identified Conservation Measures: Any other conservation measures identified by the water supplier that would improve water use efficiency.</p>	<p><i>City Codes and Building Permits:</i></p> <ul style="list-style-type: none"> The City is currently assessing how it could enhance water conservation through updates to City codes and the building permit review process. Through the building permit review process, the City has the opportunity to encourage low-water use landscaping designs and implement an enhanced wastewater pre-treatment program for non-residential customers. The largest water users include schools, parks, motels, and a dairy products processing plant. The City has no large industrial water use base. <p><i>Participation in Groups Addressing Water Conservation:</i></p> <ul style="list-style-type: none"> The City is a member of several organizations that address water conservation issues: the American Water Works Association (AWWA), Oregon Water Utility Council, and Oregon Association of Water Utilities. <p><i>Redmond School District Water Conservation:</i></p> <ul style="list-style-type: none"> The City has an intergovernmental agreement with the Redmond School District, the City's largest water user, which requires the School District to use and implement water conservation measures. Required water conservation measures include irrigating during off-peak hours, using water-efficient fixtures, xeriscaping where possible, and educating students about water conservation. <p><i>Outreach to City Departments:</i></p> <ul style="list-style-type: none"> The Public Works Department regularly recommends xeriscaping to the Community Development Department regarding existing and new park projects. These Departments have provided developers with literature recommending xeriscaping in new developments. The Public Works Department is working on installing weather-based irrigation controllers in most of the larger park spaces. <p><i>Conservation Tracking:</i></p> <ul style="list-style-type: none"> The City tracks water conservation measures implemented and the costs of particular measures as part of monitoring and evaluating its water conservation program. 	<p>The City will continue to look for opportunities to increase water conservation through City codes and the building permit review process.</p>



December 7, 2022

Water Rights Program Manager
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301

RE: City of Redmond Water Right Application

To whom it may concern:

Please find enclosed a groundwater permit application for the City of Redmond. The City is proposing to appropriate up to 5.12 cfs from 6 proposed points of appropriation.

Please let me know if you have any questions or if there's any additional information I can provide.

Sincerely,
GSI Water Solutions, Inc.

A handwritten signature in black ink that reads "Owen McMurtrey".

Owen McMurtrey
Water Resources Consultant

Cc: Josh Wedding, Water Utilities Manager, City of Redmond

Enclosures: Groundwater Permit Application and Attachments

RECEIVED

JAN 10 2023

OWRD

Minimum Requirements Checklist

Minimum Requirements (OAR 690-310-0040, OAR 690-310-0050 & ORS 537.140)

Include this checklist with the application

Check that each of the following items is included. The application will be returned if all required items are not included. If you have questions, please call the Water Rights Customer Service Group at (503) 986-0900.

Please submit the original application and signatures to the Water Resources Department. Applicants are encouraged to keep a copy of the completed application.

- SECTION 1: Applicant Information and Signature
- SECTION 2: Property Ownership
- SECTION 3: Well Development
- SECTION 4: Sensitive, Threatened or Endangered Fish Species Public Interest Information
- SECTION 5: Water Use
- SECTION 6: Water Management
- SECTION 7: Project Schedule
- SECTION 8: Resource Protection
- SECTION 9: Within a District
- SECTION 10: Remarks

Include the following additional items:

- Land Use Information Form with approval and signature of local planning department (*must be an original*) or signed receipt. [Attachment A](#)
- Provide the legal description of: (1) the property from which the water is to be diverted, (2) any property crossed by the proposed ditch, canal or other work, and (3) any property on which the water is to be used as depicted on the map. [Attachment B](#)
- Fees - Amount enclosed: **\$6,690**
See the Department's Fee Schedule at www.oregon.gov/owrd or call (503) 986-0900.
- Map that includes the following items: [Attachment C](#)
 - Permanent quality and drawn in ink
 - Even map scale not less than 4" = 1 mile (example: 1" = 400 ft, 1" = 1320 ft, etc.)
 - North Directional Symbol
 - Township, Range, Section, Quarter/Quarter, Tax Lots
 - Reference corner on map
 - Location of each diversion, by reference to a recognized public land survey corner (distances north/south and east/west)
 - Indicate the area of use by Quarter/Quarter and tax lot identified clearly.
 - Number of acres per Quarter/Quarter and hatching to indicate area of use if for primary irrigation, supplemental irrigation, or nursery
 - Location of main canals, ditches, pipelines or flumes (if well is outside of the area of use)

RECEIVED

JAN 10 2023

OWRD

Groundwater Application — Page 1

For Department Use: App. Number: _____

Rev. 07/21