

Application for Permit Amendment

Part 1 of 5 – Minimum Requirements Checklist



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

This permit amendment application will be returned if Parts 1 through 5 and all required attachments are not completed and included.

For questions, please call (503) 986-0900, and ask for Transfer Section.

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Check all items included with this application. (N/A = Not Applicable)

- ☒ Part 1 – Completed Minimum Requirements Checklist.
- ☒ Part 2 – Completed Application Map Checklist.
- ☒ Part 3 – Application Fee, payable by check to the Oregon Water Resources Department, and completed Fee Worksheet, page 3. The Application Fee of \$2,250 is enclosed.
- ☒ Part 4 – Completed Applicant Information and Signature.
- ☒ Part 5 – Information about Permits to be Amended: **Number of permits to be amended: 1**
List the Permits here: G-18850 (Attachment A)
Please include a separate Part 5 for each permit. (See instructions on page 6)
- ☒ Completed Permit Amendment Application Map (Does not have to be prepared by a Certified Water Right Examiner). (Attachment B)
- ☐ ☒ N/A Request for Assignment Form and statutory fee. The request for assignment form has to be completed if the applicant is **not** the permit holder of record and needs to be assigned to the permit; **or** the landowner of the proposed place of use is **not** the permit holder of record and needs to be assigned to the permit (the Request for Assignment Form is available online at <https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>). Assignment is not needed if the applicant is the permit holder of record.
- ☐ ☒ N/A Affidavit(s) of Consent are required from all permit holder(s) of record if the permit is not assigned to the applicant **or** other permit holders of record that are not listed as applicants.
- ☒ ☐ N/A Oregon Water Resources Department's Land Use Information Form with approval and signature (or signed land use form receipt stub) from each local land use authority in which water is to be diverted, conveyed, and/or used. Not required if water is to be diverted, conveyed, and/or used only on federal lands or if **all** of the following apply: a) a change in place of use only, b) no structural changes, c) the use of water is for irrigation only, and d) the use is located within an irrigation district or an exclusive farm use zone. (Attachment C)
- ☒ ☐ N/A Water Well Report/Well Log for changes in point(s) of appropriation (well(s)) or additional point(s) of appropriation. (Attachment D)
- ☐ ☒ N/A Geologist Report for a change from a surface water point of diversion to a ground water point of appropriation (well), if the proposed well is more than 500 feet from the surface water source and more than 1000 feet upstream or downstream from the point of diversion. (ORS 540.531(2) or (3)).

(For Staff Use Only)

WE ARE RETURNING YOUR APPLICATION FOR THE FOLLOWING REASON(S):

- | | |
|--|---|
| <input type="checkbox"/> Application fee not enclosed/insufficient | <input type="checkbox"/> Map not included or incomplete |
| <input type="checkbox"/> Land Use Form not enclosed or incomplete | |
| <input type="checkbox"/> Additional signature(s) required | <input type="checkbox"/> Part _____ is incomplete |

Other/Explanation _____

Staff: _____ 503- _____ Date: ____/____/____

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 Your permit amendment application **will be returned** if any of the map requirements listed below are not met.

Please be sure that the map you submit includes all the items listed below and meets the requirements of OAR 690-380-3100, however, the map does not have to be prepared by a Certified Water Right Examiner. Check all boxes that apply.

- ☐ ☒ N/A If **more than three** permits are involved, separate maps for each permit.
- ☒ Permanent quality printed with dark ink on good quality paper.
- ☒ The size of the map can be 8½ x 11 inches, 8½ x 14 inches, 11 x 17 inches, or up to 30 x 30 inches. For 30 x 30 inch maps, one extra copy is required.
- ☒ A north arrow, a legend, and scale.
- ☒ The scale of the map must be: 1 inch = 400 feet, 1 inch = 1,320 feet, the scale of the county assessor map if the scale is not smaller than 1 inch = 1,320 feet, or a scale that has been pre-approved by the Department.
- ☒ Township, Range, Section, ¼ ¼, DLC, Government Lot, and other recognized public land survey lines.
- ☒ Tax lot boundaries (property lines) are required. Tax lot numbers are recommended.
- ☒ Major physical features including rivers and creeks showing direction of flow, lakes and reservoirs, roads, and railroads.
- ☒ Major water delivery system features from the point(s) of diversion/appropriation such as main pipelines, canals, and ditches.
- ☒ Existing place of use that includes separate hachuring for each water use permit, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions. If less than the entirety of the permit is being changed, a separate hachuring is needed for the portion of the permit left unchanged.
- ☐ ☒ N/A If you are proposing a change in place of use, show the proposed place of use with hachuring that includes separate hachuring for each permit, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions.
- ☒ Existing point(s) of diversion or well(s) with distance and bearing or coordinates from a recognized survey corner. This information can be found in your water use permit.
- ☒ ☐ N/A If you are proposing a change in point(s) of diversion or well(s), show the proposed location and label it clearly with distance and bearing or coordinates. If GPS coordinates are used, latitude-longitude coordinates may be expressed as either degrees-minutes-seconds with at least one digit after the decimal (example – 42°32'15.5") or degrees-decimal with five or more digits after the decimal (example – 42.53764°).

Part 3 of 5 – Fee Worksheet

FEE WORKSHEET for PERMIT AMENDMENT			
1	Base Fee (includes one type of change to one permit for up to 1 cfs)	1	\$1,360
	Types of change proposed: <input type="checkbox"/> Place of Use <input checked="" type="checkbox"/> Point of Diversion/Appropriation Number of above boxes checked = <u>1 (2a)</u> Subtract 1 from the number in line 2a = <u>0 (2b)</u> <i>If only one change, this will be 0</i>		
2	Multiply line 2b by \$1090 and enter »	2	0
	Number of permits included in Permit Amendment <u>1 (3a)</u> Subtract 1 from the number in 3a: <u>0 (3b)</u> <i>If only one permit this will be 0</i> Multiply line 3b by \$610 and enter »		
3		3	0
	Do you propose to add or change a well, or change from a surface water POD to a well? <input type="checkbox"/> No: enter 0 <input checked="" type="checkbox"/> Yes: enter \$480 for the 1 st well to be added or changed <u>\$480 (4a)</u> Do you propose to add or change additional wells? <input type="checkbox"/> No: enter 0 <input checked="" type="checkbox"/> Yes: multiply the number of additional wells by \$410 <u>\$820 (4b)</u> Add line 4a to line 4b and enter »		
4		4	\$1,300
	Do you propose to change the place of use? <input checked="" type="checkbox"/> No: enter 0 on line 5 <input type="checkbox"/> Yes: enter the cfs for the portions of the permits to be amended (see below*): _____ (5a) Subtract 1.0 from the number in 5a above: _____ (5b) If 5b is 0, enter 0 on line 5 » If 5b is greater than 0, round up to the nearest whole number: _____ (5c) and multiply 5c by \$350, then enter on line 5 »		
5		5	0
6	Add entries on lines 1 through 5 above » » » » » » » » » » Subtotal:	6	\$2,660
	Is this permit amendment: <input type="checkbox"/> necessary to complete a project funded by the Oregon Watershed Enhancement Board (OWEB) under ORS 541.932? <input type="checkbox"/> endorsed in writing by ODFW as a change that will result in a net benefit to fish and wildlife habitat? If one or more boxes is checked, multiply line 6 by 0.5 and enter on line 7 If no box is applicable, enter 0 on line 7 »		
7		7	0
8	Subtract line 7 from line 6 » » » » » » » » » » » » » » » » Permit Amendment Fee:	8	\$2,660

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Part 4 of 5 – Applicant Information and Signature

Applicant Information*

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APPLICANT/BUSINESS NAME Rockwood Water People's Utility District, ATTN: Kari Duncan		PHONE NO. 503-665-4179	ADDITIONAL CONTACT NO.
ADDRESS 19601 NE Halsey BLVD			FAX NO.
CITY Portland	STATE OR	ZIP 97030	E-MAIL kduncan@rwpud.org
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.			

Applicant Information*

APPLICANT/BUSINESS NAME City of Gresham: ATTN: Mike Whiteley		PHONE NO. 503-618-2314	ADDITIONAL CONTACT NO.
ADDRESS 1333 NW Eastman Parkway			FAX NO.
CITY Gresham	STATE OR	ZIP 97030	E-MAIL MIKE.WHITELEY@GRESHAMOREGON.GOV
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.			

*Rockwood Water People's Utility District and City of Gresham are the water rights holders of record for permit G-18850.

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

AGENT/BUSINESS NAME GSI Water Solutions, Inc. ATTN: Zach Pike-Urlacher		PHONE NO. 541-753-0933	ADDITIONAL CONTACT NO.
ADDRESS 650 NE Holladay Street			FAX NO.
CITY Portland	STATE OR	ZIP 97232	E-MAIL zpikeurlacher@gsiws.com
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.			

Explain in your own words what you propose to accomplish with this permit amendment; and why:
The Applicant is proposing to add three additional points of appropriation (Cascade 6A, Cascade 6B and Cascade 10) to Permit G-18850.

If you need additional space, continue on a separate piece of paper and attach to the application as "Attachment 1".

☐ Check this box if this project is fully or partially funded by the American Recovery and Reinvestment Act. (Federal stimulus dollars)

Is the applicant the permit holder of record? ☒ Yes ☐ No

If NO, include either:

- ☐ A completed assignment form (with required statutory assignment fee), assigning all or a portion of the permit to the applicant(s), **OR**
- ☐ An affidavit of consent from the permit holder(s) of record that gives permission for the applicant to amend the permit.

Has the Completion ("C") Date of the permit(s) in this application expired? ☐ Yes ☒ No

If YES, this application will not be accepted by the Department.

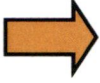
If NO, what are the completion dates of the permit(s)? October 1, 2047

- If the permit completion date expires while the Permit Amendment Application is pending, the Department will not approve the Permit Amendment Application until an Extension of Time Application is approved for the permit.

- You may consider using the Reimbursement Authority process to expedite the processing of this Permit Amendment Application if the completion date of the permit expires within 6 months of the date of filing this application.

By my signature below, I confirm that I understand:

- Prior to Department approval of the permit amendment, I may be required to submit payment to the Department for publication of a notice in a newspaper with general circulation in the area where the permit is located, once per week for two consecutive weeks. If more than one qualifying newspaper is available, I suggest publishing the notice in the following newspaper: [Gresham Outlook](#).



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

Kari Duncan Digitally signed by Kari Duncan
Date: 2025.07.02 15:09:35 -07'00'

Kari Duncan

July 1, 2025

Applicant Signature

Print Name (and Title if applicable)

Date

Mike Whiteley Digitally signed by Mike Whiteley
DN: C=US,
E=mike.whiteley@greshamoregon.gov,
O=Water, OU=DES, CN=Mike Whiteley
Date: 2025.07.23 09:54:47-07'00'

Mike Whiteley

July 23, 2025

Applicant Signature

Print Name (and Title if applicable)

Date

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Check one of the following:

- ☒ The applicant is responsible for completion of change(s). Notices and correspondence should continue to be sent to the applicant.
- ☐ The permit holder(s) of record will be responsible for completing the proposed change(s) after the final order is issued. Copies of notices and correspondence should be sent to the permit holder(s) of record.

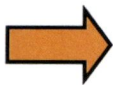
Check the appropriate box, if applicable:

- ☐ Check here if any of the permits proposed for amendment are or will be located within or served by an irrigation or other water district.

IRRIGATION DISTRICT NAME N/A	ADDRESS	
CITY	STATE	ZIP

- ☐ Check here if water for any of the permits supplied under a water service agreement or other contract for stored water with a federal agency or other entity.

ENTITY NAME N/A	ADDRESS	
CITY	STATE	ZIP



To meet State Land Use Consistency Requirements, you must list all local governments (each county, city, municipal corporation, or tribal government) within whose jurisdiction water will be diverted, conveyed or used.

ENTITY NAME Rockwood Water People's Utility District	ADDRESS 19601 NE Halsey BLVD	
CITY Portland	STATE OR	ZIP 97030

ENTITY NAME City of Gresham	ADDRESS 1333 NW Eastman Parkway	
CITY Portland	STATE OR	ZIP 97030

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Part 5 of 5 – Water Use Permit Information

PERMIT # G-18850**Table 1. Location of Authorized and Proposed Point(s) of Diversion (POD) or Appropriation (POA)**

(Note: If the POD/POA name is not specified in the permit, assign it a name or number here.)

POD/POA Name or Number	Is this POD/POA Authorized by the permit or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L-____)	Twp		Rng		Sec	¼ ¼		Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
Well 1 (Cascade 5)	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	MULT 98998	1	N	3	E	29	SW	SE	1400	255 feet North and 2640 feet East from the SW corner of Section 29
Well 2	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	-	1	N	3	E	31	NE	NW	2300	400 feet South and 2100 feet West from the NE corner of Section 31
Well 3	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	MULT 142639	1	S	3	E	3	NW	NW	800	425 feet South and 490 feet East from the NW corner of Section 3
Well 4	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	-	1	N	3	E	32	NW	SE	1500	2220 feet North and 1780 feet West from the SE corner of Section 32
Well 5	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	-	1	N	3	E	33	NE	SE	1201	2200 feet North and 500 feet West from the SE corner of Section 32
Well 6 (Cascade 3)	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	MULT 70128	1	N	3	E	29	SE	SE	104	465 feet North and 1040 feet West from the SE corner of Section 29
Well 7	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	-	1	S	3	E	9	SW	NW	8100	1500 feet South and 900 feet East from the NW corner of Section 9
Well 8 (Cascade 8)	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	MULT 136609	1	N	2	E	35	NE	SE	4700	2170 feet North and 485 feet West from the SE corner of Section 35
Cascade 4	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	MULT 72119	1	N	3	E	29	SW	SE	104	415 feet North and 1520 feet West from the SE corner of Section 29
Cascade 7	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	MULT 136199	1	N	3	E	33	SW	NW	1000	3340 feet North and 215 feet East from the SW corner of Section 33
Well 9 (Cascade 9)	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	MULT 136598	1	N	3	E	32	NW	NW	5400	1085 feet South and 1170 feet East from the NW corner of Section 32
Well 10	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	-	1	S	3	E	8	NE	SW	601	3565 feet South and 2275 feet East from the NW corner of Section 8
Cascade 6A	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed		1	S	3	E	3	NW	NW	800	360 feet South and 590 feet East from the NW corner of Section 3
Cascade 6B	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	MULT 122597	1	S	3	E	3	NW	NW	800	380 feet South and 590 feet East from the NW corner of Section 3
Cascade 10	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	-	1	S	3	E	4	SE	NE	100	Located 1445 feet South and 1230 feet West from the NE corner of Section 4

Check all type(s) of change(s) proposed below (change "CODES" are provided in parentheses):

- | | |
|---|--|
| <input type="checkbox"/> Place of Use (POU) | <input type="checkbox"/> Point of Appropriation/Well (POA) |
| <input type="checkbox"/> Point of Diversion (POD) | <input checked="" type="checkbox"/> Additional Point of Appropriation (APOA) |
| <input type="checkbox"/> Additional Point of Diversion (APOD) | <input type="checkbox"/> Surface water POD to Ground Water POA (SW/GW) |

Will all of the proposed changes affect the entire water use permit?

- ☒ Yes Complete only the proposed ("to" lands) section of Table 2 on the next page. Use the "CODES" listed above to describe the proposed changes.
- ☐ No Complete all of Table 2 to describe the portion of the permit to be changed.

For a change in place of use: N/A

Does the permit holder of record own or control the land TO which the place of use is being moved?

☐ Yes ☐ No

If NO, the landowner of the land TO which the place of use is being **moved must be assigned to the permit as a permit holder of record** by submitting a completed Request for Assignment form and the required statutory fee for an assignment.

Is the proposed place of use contiguous to the authorized place of use? ☐ Yes ☐ No

The permitted place of use can be moved only to lands that are contiguous to the authorized place of use **unless** the change to non-contiguous lands is in furtherance of mitigation or conservation efforts undertaken for the purposes of benefiting a species listed as sensitive, threatened, or endangered under ORS 496.171 to 496.192 or the federal Endangered Species Act of 1973 (16 U.S.C. 1531 to 1544), as determined by the listing agency. Contiguous land being either adjacent land or land separated from the land to which a permit is authorized by roads, utility corridors, irrigation ditches or publicly owned rights of way.

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Please use and attach additional pages of Table 2 as needed.
See page 6 for instructions.

Do you have questions about how to fill-out the tables?
Contact the Department at 503-986-0900 and ask for Transfer

Table 2. Description of Changes to Water Use Permit # [G-18850](#)

List the change proposed for the acreage in each ¼ ¼. If more than one change is proposed, specify the acreage associated with each change.
If there is more than one POD/POA involved in the proposed changes, specify the acreage associated with each POD/POA.

AUTHORIZED (the "from" or "off" lands) The listing that appears on the certificate BEFORE PROPOSED CHANGES List only that part or portion of the water right that will be changed.										Proposed Changes (see "CODES" from previous page)	PROPOSED (the "to" or "on" lands) The listing as it would appear AFTER PROPOSED CHANGES are made.									
Twp	Rng	Sec	¼ ¼	Tax Lot	Gvt Lot or DLC	Acre (if applicable)	POD(s) or POA(s) (name or number from Table 1)	Priority Date	Twp		Rng	Sec	¼ ¼	Tax Lot	Gvt Lot or DLC	Acre (if applicable)	POD(s) or POA(s) to be used (from Table 1)	Priority Date		
EXAMPLE																				
2	S	9	E 15 NE NW	100		15.0	POD #1 POD #2		POU/POD	2	S	9	E 15 NW NW	100	1	10.0	POD #5			
"	"	"	"	"	"	EXAMPLE	"		"	2	S	9	E 15 SW NW	200		5.0	POD #6			
										See Attachment B							Well 1 (Cascade 5), Well 2, Well 3, Well 4, Well 5, Well 6 (Cascade 3), Well 7, Well 8 (Cascade 8), Cascade 4, Cascade 7, Well 9 (Cascade 9), Well 10, Cascade 6A, Cascade 6B, Cascade 10	12/21/1977		
TOTAL ACRES										TOTAL ACRES										

Additional remarks: The Applicant is proposing to add three additional points of appropriation (Cascade 6A, Cascade 6B and Cascade 10) to Permit G-18850.



Are there other water rights certificates, water use permits or ground water registrations associated with the "from" or "to" lands? ☐ Yes ☐ No N/A – Permit G-16917 is for municipal use, so water rights are not "layered."

If YES, list the other certificate, permit, or ground water registration numbers: _____



If the permit(s) are for irrigation or supplemental irrigation use, other water rights existing on the same land for irrigation that are subject to transfer must either change concurrently or be cancelled. Any change to a water right certificate or ground water registration must be filed separately in a water right transfer application or ground water registration modification application, respectively.

For a change in point(s) of appropriation (well(s)) or additional point(s) of appropriation:

- ☒ Well log(s) are attached for each authorized and proposed well(s) that are clearly labeled and associated with the corresponding well(s) in Table 1 above and on the accompanying application map. (See Attachment D)

AND/OR

- ☒ Describe the construction of the authorized and proposed well(s) in Table 3 for any wells that do not have a well log. For *proposed wells not yet constructed or built*, provide "a best estimate" for each requested information element in the table. The Department recommends you consult a licensed well driller, geologist, or certified water right examiner to assist with assembling the information necessary to complete Table 3.

Table 3. Construction of Point(s) of Appropriation

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. Failure to provide the information will delay the processing of your transfer application until it is received. The information is necessary for the department to assess whether the proposed well(s) will access the same source aquifer as the authorized point(s) of appropriation (POA). The Department is prohibited by law from approving POA changes that do not access the same source aquifer.

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well, OWRD Well ID Tag No. L-____	Total well depth	Casing Diameter	Casing Intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well - specific rate (cfs or gpm). If less than full rate of water right
Well 2	No	-	~1000ft	24in	+1-800	Through TSA into CU2 (if present)	800-1000	~250	Sand and Gravel Aquifer	-
Well 4	No	-	~1000ft	24in	+1-750	Through TSA into CU2 (if present)	750-1000	~230	Sand and Gravel Aquifer	-
Well 5	No	-	~1000ft	24in	+1-690	Through TSA into CU2 (if present)	690-1000	~300	Sand and Gravel Aquifer	-

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well, OWRD Well ID Tag No. L-____	Total well depth	Casing Diameter	Casing Intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well - specific rate (cfs or gpm). <u>If</u> less than full rate of water right
Well 7	No	-	~1800ft	24in	+1-1300	Through TSA into CU2 (if present)	1300-1800	~300	Sand and Gravel Aquifer	-
Well 10	No	-	~1800ft	24in	+1-1420	Through TSA into CU2 (if present)	1420-1800	~310	Sand and Gravel Aquifer	-
Cascade 6A	No (in process)		970ft	24in	+2-770	0-770ft	770-850; 870-920; 940-960	~345	Sand and Gravel Aquifer	
Cascade 10	No (in process)	-	989ft	24in	+1-785	0-785ft	803-843; 873-984	~320	Sand and Gravel Aquifer	-

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Attachment A

Permit G-18850

Application for a Permit Amendment – Rockwood Water People's Utility District and
City of Gresham

STATE OF OREGON

COUNTY OF MULTNOMAH

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ROCKWOOD WATER PEOPLES UTILITY DISTRICT
ATTN BRIAN STAHL
19601 NE HALSEY BLVD
PORTLAND, OR 97230

CITY OF GRESHAM
ATTN MIKE WHITELEY
1333 NW EASTMAN PARKWAY
GRESHAM, OR 97030

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This superseding permit is issued to describe an amendment for additional points of appropriation and changes in points of appropriation proposed under Permit Amendment Application T-13274 and approved by Special Order Vol. 129, Page 128, entered SEP 27 2023, an extension of time for complete application of water approved April 10, 2012, an assignment to a new permittee approved July 8, 2005, a partial assignment approved May 31, 2012, and a Permit Amendment T-10554 approved on July 10, 2012 by Special Order Vol. 88, Page 58. This permit supersedes Permit G-16917.

This is to certify that I have examined the foregoing application and do hereby grant the same, SUBJECT TO EXISTING RIGHTS INCLUDING THE EXISTING MINIMUM FLOW POLICIES ESTABLISHED BY THE WATER POLICY REVIEW BOARD and the following limitations and conditions:

APPLICATION FILE NUMBER: G-8585

SOURCE OF WATER: TWELVE WELLS

PURPOSE OR USE: MUNICIPAL

MAXIMUM RATE: 53.5 CUBIC FEET PER SECOND MEASURED AT THE POINT OF DIVERSION FROM THE WELL OR SOURCE OF APPROPRIATION, OR ITS EQUIVALENT IN CASE OF ROTATION WITH OTHER WATER USERS.

DATE OF PRIORITY: DECEMBER 21, 1977

Authorized Points of Appropriation:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
1 N	3 E	WM	29	SW SE	WELL 1 (CASCADE 5) - 255 FEET NORTH AND 2640 FEET EAST FROM THE SW CORNER OF SECTION 29

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
1 N	3 E	WM	31	NE NW	WELL 2 - 400 FEET SOUTH AND 2100 FEET WEST FROM THE NE CORNER OF SECTION 31
1 S	3 E	WM	3	NW NW	WELL 3 - 425 FEET SOUTH AND 490 FEET EAST FROM THE NW CORNER OF SECTION 3
1 N	3 E	WM	32	NW SE	WELL 4 - 2220 FEET NORTH AND 1780 FEET WEST FROM THE SE CORNER OF SECTION 32
1 N	3 E	WM	33	NE SE	WELL 5 - 2200 FEET NORTH AND 500 FEET WEST FROM THE SE CORNER OF SECTION 32
1 N	3 E	WM	29	SE SE	WELL 6 (CASCADE 3) - 465 FEET NORTH AND 1040 FEET WEST FROM THE SE CORNER OF SECTION 29
1 S	3 E	WM	9	SW NW	WELL 7 - 1500 FEET SOUTH AND 900 FEET EAST FROM THE NW CORNER OF SECTION 9
1 N	2 E	WM	35	NE SE	WELL 8 (CASCADE 8) - 2170 FEET NORTH AND 485 FEET WEST FROM THE SE CORNER OF SECTION 35
1 N	3 E	WM	29	SW SE	CASCADE 4 - 415 FEET NORTH AND 1520 FEET WEST FROM THE SE CORNER OF SECTION 29
1 N	3 E	WM	33	SW NW	CASCADE 7 - 3340 FEET NORTH AND 215 FEET EAST FROM THE SW CORNER OF SECTION 33
1 N	3 E	WM	32	NW NW	WELL 9 - 1085 FEET SOUTH AND 1170 FEET EAST FROM THE NW CORNER OF SECTION 32
1 S	3 E	WM	8	NE SW	WELL 10 - 3565 FEET SOUTH AND 2275 FEET EAST FROM THE NW CORNER OF SECTION 8

THE AUTHORIZED PLACE OF USE IS LOCATED AS FOLLOWS:

MUNICIPAL				
Twp	Rng	Mer	Sec	Q-Q
1 N	2 E	WM	25	NE NE
1 N	2 E	WM	25	NW NE
1 N	2 E	WM	25	SW NE
1 N	2 E	WM	25	SE NE
1 N	2 E	WM	25	SW NW
1 N	2 E	WM	25	SE NW
1 N	2 E	WM	25	NE SW
1 N	2 E	WM	25	NW SW
1 N	2 E	WM	25	SW SW
1 N	2 E	WM	25	SE SW
1 N	2 E	WM	25	NE SE
1 N	2 E	WM	25	NW SE
1 N	2 E	WM	25	SW SE
1 N	2 E	WM	25	SE SE
1 N	2 E	WM	26	NE SE
1 N	2 E	WM	26	SE SE
1 N	2 E	WM	35	NE SW
1 N	2 E	WM	35	SE SW
1 N	2 E	WM	35	NE SE
1 N	2 E	WM	35	NW SE
1 N	2 E	WM	35	SW SE
1 N	2 E	WM	35	SE SE
1 N	2 E	WM	36	NE NE
1 N	2 E	WM	36	NW NE

MUNICIPAL				
Twp	Rng	Mer	Sec	Q-Q
1 N	2 E	WM	36	SW NE
1 N	2 E	WM	36	SE NE
1 N	2 E	WM	36	NE NW
1 N	2 E	WM	36	NW NW
1 N	2 E	WM	36	SW NW
1 N	2 E	WM	36	SE NW
1 N	2 E	WM	36	NE SW
1 N	2 E	WM	36	NW SW
1 N	2 E	WM	36	SW SW
1 N	2 E	WM	36	SE SW
1 N	2 E	WM	36	NE SE
1 N	2 E	WM	36	NW SE
1 N	2 E	WM	36	SW SE
1 N	2 E	WM	36	SE SE
1 N	3 E	WM	20	NE NE
1 N	3 E	WM	20	NW NE
1 N	3 E	WM	20	SW NE
1 N	3 E	WM	20	SE NE
1 N	3 E	WM	20	NE NW
1 N	3 E	WM	20	NW NW
1 N	3 E	WM	20	SW NW
1 N	3 E	WM	20	SE NW
1 N	3 E	WM	20	NE SW
1 N	3 E	WM	20	NW SW

MUNICIPAL				
Twp	Rng	Mer	Sec	Q-Q
1 N	3 E	WM	33	SW SE
1 N	3 E	WM	33	SE SE
1 S	2 E	WM	1	NE NE
1 S	2 E	WM	1	NW NE
1 S	2 E	WM	1	SW NE
1 S	2 E	WM	1	SE NE
1 S	2 E	WM	1	NE NW
1 S	2 E	WM	1	NW NW
1 S	2 E	WM	1	SW NW
1 S	2 E	WM	1	SE NW
1 S	2 E	WM	1	NE SW
1 S	2 E	WM	1	NW SW
1 S	2 E	WM	1	NE SE
1 S	2 E	WM	1	NW SE
1 S	2 E	WM	2	NE NE
1 S	2 E	WM	2	SE NE
1 S	3 E	WM	3	NE NW
1 S	3 E	WM	3	NW NW
1 S	3 E	WM	3	SW NW
1 S	3 E	WM	3	SE NW
1 S	3 E	WM	4	NE NE
1 S	3 E	WM	4	NW NE
1 S	3 E	WM	4	SW NE
1 S	3 E	WM	4	SE NE
1 S	3 E	WM	4	NE NW
1 S	3 E	WM	4	NW NW
1 S	3 E	WM	4	SW NW
1 S	3 E	WM	4	SE NW
1 S	3 E	WM	4	NE SE
1 S	3 E	WM	4	NW SE
1 S	3 E	WM	4	SW SE
1 S	3 E	WM	4	SE SE
1 S	3 E	WM	5	NE NE
1 S	3 E	WM	5	NW NE
1 S	3 E	WM	5	SW NE
1 S	3 E	WM	5	SE NE
1 S	3 E	WM	5	NE NW
1 S	3 E	WM	5	NW NW

MUNICIPAL				
Twp	Rng	Mer	Sec	Q-Q
1 S	3 E	WM	5	SW NW
1 S	3 E	WM	5	SE NW
1 S	3 E	WM	5	NE SW
1 S	3 E	WM	5	NW SW
1 S	3 E	WM	5	SW SW
1 S	3 E	WM	5	SE SW
1 S	3 E	WM	5	NE SE
1 S	3 E	WM	5	NW SE
1 S	3 E	WM	5	SW SE
1 S	3 E	WM	5	SE SE
1 S	3 E	WM	6	NE NE
1 S	3 E	WM	6	NW NE
1 S	3 E	WM	6	SW NE
1 S	3 E	WM	6	SE NE
1 S	3 E	WM	6	NE NW
1 S	3 E	WM	6	NW NW
1 S	3 E	WM	6	SW NW
1 S	3 E	WM	6	SE NW
1 S	3 E	WM	6	NE SW
1 S	3 E	WM	6	NW SW
1 S	3 E	WM	6	SW SW
1 S	3 E	WM	6	SE SW
1 S	3 E	WM	6	NE SE
1 S	3 E	WM	6	NW SE
1 S	3 E	WM	6	SW SE
1 S	3 E	WM	6	SE SE
1 S	3 E	WM	7	NE NE
1 S	3 E	WM	7	NW NE
1 S	3 E	WM	7	SW NE
1 S	3 E	WM	7	SE NE
1 S	3 E	WM	8	NE NE
1 S	3 E	WM	8	NW NE
1 S	3 E	WM	8	NE NW
1 S	3 E	WM	8	NW NW
1 S	3 E	WM	8	SW NW
1 S	3 E	WM	8	SE NW

If for irrigation, this appropriation shall be limited to of one cubic foot per second or its equivalent for each acre irrigated and shall further be limited to a diversion of not to exceed..... acre feet per acre for each acre irrigated during the irrigation season of each year; and shall be subject to such reasonable rotation system as may be ordered by the proper state officer.

The well shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon.

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The works constructed shall include an air line and pressure gauge or an access port for measuring line, adequate to determine water level elevation in the well at all times. The permittee shall install and maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

Permit Amendment T-13274 Conditions:

The quantity of water diverted at the new point of appropriation (Well 4) shall not exceed the quantity of water lawfully available at the original point of appropriation (Well 4).

The combined quantity of water diverted at the new additional points of appropriation (Cascade 7, Cascade 9, and Well 10), together with that diverted at the original points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation (Well 1 (Cascade 5), Wells 2, 3, 4, and 5, Well 6 (Cascade 3)).

Water use measurement conditions:

- a. Before water use may begin under this order, the water user shall install a totalizing flow meter, or, with prior approval of the Director, another suitable measuring device, at each point of appropriation (new and existing).
- b. The water user shall maintain the meters or measuring devices in good working order.
- c. The water user shall allow the Watermaster access to the meters or measuring devices; provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice. Water shall be acquired from the same aquifer as the original points of appropriation.

Permit Amendment T-10554 Conditions:

The quantity of water diverted at Wells 1 (Cascade 5), 2, 3, 4, 5, and 6 (Cascade 3) shall not exceed the quantity of water lawfully available at the original points of appropriation.

The combined quantity of water diverted at the proposed additional points of appropriation, Wells 7, 8, and Cascade 4, together with that diverted at Wells 1 (Cascade 5), 2, 3, 4, 5, and 6 (Cascade 3), shall not exceed the quantity of water lawfully available at the original points of appropriation.

Water shall be acquired from the same aquifer (Sand and Gravel Aquifer of the USGS) as the original points of appropriation.

Extension of Time Conditions:

Interference Condition

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate interference. The

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Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

Limited Water Level Decline/Interference Condition

To monitor the effect of water use from the well(s) authorized under this permit, the Department requires the water user to make and report annual static water level measurements. The static water level shall be measured in the month of **March**. Reports shall be submitted to the Department within 30 days of measurement.

Measurements must be made according to the following schedule:

Seven Consecutive Annual Measurements

Beginning in March 2012, the user shall submit seven consecutive annual reports of static water level measurements. Based on an analysis of the data collected, the Director may require that the user obtain and report additional annual static water level measurements beyond the seven year minimum reporting period. The additional measurements may be required in a different month. If the measurement requirement is stopped, the Director may restart it at any time.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registration professional engineer, licensed well contractor or pump installer licensed by the Construction Contractors Board and be submitted to the Department on forms provided by the Department. The Department requires the individual performing the measurement to:

- A. Identify each well with its associated measurement; and
- B. Measure and report water levels to the nearest tenth of a foot as depth-to-water below ground surface; and
- C. Specify the method used to obtain each well measurement; and
- D. Certify the accuracy of all measurements and calculations submitted to the Department.

If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

Well Location Condition

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may not be valid, unless the Department authorizes the change in writing.

Development Limitations

Diversion of any water beyond 4.42 cfs under Permit G-16917 shall only be authorized upon issuance of a final order approving a Water Management and Conservation Plan (WMCP) under OAR Chapter 690, Division 86. The required WMCP shall be submitted to the Department within 3 years of an approved extension of time application. Use of water under

Permit G-16917 must be consistent with this and subsequent WMCP's approved under OAR Chapter 690, Division 86 that is on file with the Department.

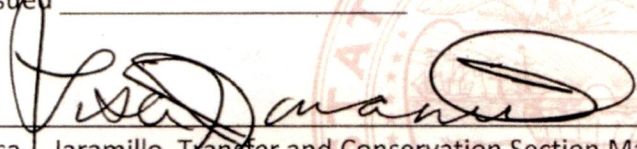
The deadline established by the Extension of Time Final Order for submittal of a WMCP shall not relieve a permit holder of any existing or future requirement for submittal of a WMCP at an earlier date as established through other orders of the Department. A WMCP submitted to meet the requirements of the Extension of Time Final Order may also meet the WMCP requirements of other Department orders.

Condition to Appropriate Water Only from Wells Having No Potential for Substantial Interference with Surface Water

The extension of time is conditioned to provide that the extended time to complete construction of the water system and to complete application of water to beneficial use under Permit G-16917 applies only to future development and use of water from Well 6 (MULT 70128) and specifically excludes further development and/or water use from the 5 wells determined by the Department on January 28, 2008, to have the potential for substantial interference with surface water. However, appropriation of water under Permit G-16917 may include use of water from wells authorized by the Department's approval of Permit Amendment T-10554, providing that any additional wells will not have the potential for substantial interference with surface water as determined by the Department under OAR Chapter 690 Division 9.

Actual construction work shall begin on or before February 7, 1981 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 2047. Complete application of the water to the proposed use shall be made on or before October 1, 2047.

Issued SEP 27 2023



Lisa J. Jaramillo, Transfer and Conservation Section Manager
DOUGLAS E. WOODCOCK, Acting Director
Oregon Water Resources Department

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GROWTH

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Attachment C

Land Use Information Form

Application for a Permit Amendment – Rockwood Water People's Utility District and
City of Gresham

Land Use Information Form



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

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NOTE TO APPLICANTS

In order for your application to be processed by the Oregon Water Resources Department (OWRD), this Land Use Information Form must be completed by a local government planning official in the jurisdiction(s) where your water right will be diverted, conveyed, used, and developed. The planning official may choose to complete the form while you wait or return the "Receipt Acknowledging Request for Land Use Information" to you. Applications received by OWRD without the Land Use Information Form, or the signed receipt, will be returned to you. **IMPORTANT:** Please note that while OWRD can accept a signed receipt as part of intake for an application for a new permit to use or store water, a completed Land Use Information Form is required for OWRD's acceptance of all other applications. Please be aware that your application cannot be approved without land use approval.

This form is **NOT** required if:

- 1) Water is to be diverted, conveyed, and used on federal lands only; **OR**
- 2) The application is for a water right transfer, allocation of conserved water, exchange, permit amendment, or ground water registration modification, and **all** of the following apply:
 - a. The existing and proposed water use is located entirely within lands zoned for exclusive farm-use or within an irrigation district;
 - b. The application involves a change in place of use only;
 - c. The change does not involve the placement or modification of structures, including but not limited to water diversion, impoundment, distribution facilities, water wells and well houses; **and**
 - d. The application involves irrigation water uses only.

NOTE TO LOCAL GOVERNMENTS

The person presenting the attached Land Use Information Form is applying for a new water right or modifying an existing water right. The Oregon Water Resources Department (OWRD) requires applicants to obtain land use information to ensure the water right does not result in land uses that are incompatible with your comprehensive plan. Please complete the form and return it to the applicant for inclusion in their application. **NOTE:** For new water right applications only, if you are unable to complete this form while the applicant waits, you may complete the "Receipt Acknowledging Request for Land Use Information" and return it to the applicant.

You will receive notice via OWRD's weekly Public Notice once the applicant formally submits their request to OWRD. The notice will give more information about OWRD's water right process and provide additional comment opportunities. If you previously only completed the receipt for an application for a new permit to use or store water, you will have 30 days from the Public Notice date to complete the Land Use Information Form and return it to OWRD. Your attention to this request for information is greatly appreciated. If you have questions concerning this form, please contact OWRD's Customer Service Group at 503-986-0900 or WRD_DL_customerservice@water.oregon.gov.

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Land Use Information Form

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

NAME Rockwood Water People's Utility District, ATTN: Kari Duncan			PHONE 503-665-4179	
MAILING ADDRESS 19601 NE Halsey BLVD				
CITY Portland	STATE OR	ZIP 97030	EMAIL kduncan@rwpud.org	

NAME City of Gresham: ATTN: Mike Whiteley			PHONE 503-618-2314	
MAILING ADDRESS 1333 NW Eastman Parkway				
CITY Gresham	STATE OR	ZIP 97030	EMAIL MIKE.WHITELEY@GRESHAMOREGON.GOV	

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:
1S	3E	3	NWNW	800	MURMH	<input checked="" type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	Municipal
1S	3E	3	NWNW	800	MURMH	<input checked="" type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	Municipal
1S	3E	4	SENE	100	MLDR	<input checked="" type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	Municipal

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

City of Gresham

NOTE: A separate Land Use Information Form must be completed and submitted for each county and city, as applicable.

B. Description of Proposed Use

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

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

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

Estimated quantity of water needed: 53.5 ☒ 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 proposing to add three additional wells (Cascade 6A, Cascade 6B and Cascade 10) to water right Permit G-18850.

Note to applicant: For new water right applications only, if the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt on the bottom of page 4 and include it with the application filed with the Oregon Water Resources Department.

See Page 4 →

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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 use(s), 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 use(s), 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

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

Name: Michael Whiteley Title: Water Department Director
Signature: [Signature] Date: 7/8/25
Governmental Entity: City of Gresham Phone: 503-618-2314

Receipt Acknowledging Request for Land Use Information

Note to Local Government Representative:

Please complete this form and return it to the applicant. **For new water right applications only**, if you are unable to complete this form while the applicant waits, you may complete this receipt and return it to the applicant. If you sign the receipt, you will have 30 days from the date of OWRD's Public Notice of the application to submit the completed Land Use Information Form to Oregon Water Resources Department. Please note while OWRD can accept a signed receipt as part of intake for an application for a new permit to use or store water, a completed Land Use Information Form is required for all other applications.

Applicant Name: _____
Staff Name: _____ Title: _____
Staff Signature: _____ Date: _____
Governmental Entity: _____ Phone: _____

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Attachment D
Well Logs

**Application for a Permit Amendment – Rockwood Water People’s Utility District and
City of Gresham**

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

MULT 98998

05-07-2009

WELL LABEL # L 89355

START CARD # 1005668

AMENDED 5/13/2009

(1) LAND OWNER

Owner Well I.D. L89355

First Name _____ Last Name _____
Company ROCKWOOD WATER PEOPLES UTILITY DISTRICT
Address 19601 NE HALSEY ST
City PORTLAND State OR Zip 97230

(2) TYPE OF WORK ☒ New Well ☐ Deepening ☐ Conversion
☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD

☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud
☒ Reverse Rotary ☐ Other _____

(4) PROPOSED USE ☐ Domestic ☐ Irrigation ☒ Community
☐ Industrial/ Commercial ☐ Livestock ☐ Dewatering
☐ Thermal ☐ Injection ☐ Other _____

(5) BORE HOLE CONSTRUCTION Special Standard ☐ (Attach copy)
Depth of Completed Well 734 ft.

BORE HOLE			SEAL			Amt	sacks/ lbs
Dia	From	To	Material	From	To		
54	0	29	Cement	0	29	266	S
29	29	576	Cement	29	576	760	S
20	576	734					

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other _____

Backfill placed from 712 ft. to 734 ft. Material Pea Gravel
Filter pack from 562 ft. to 712 ft. Material Silica Sand Size 10/20
Explosives used: ☐ Yes Type _____ Amount _____

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	30		0	29	0.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	24		2	576	0.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Shoe ☐ Inside ☐ Outside ☐ Other Location of shoe(s) _____

Temp casing ☐ Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS

Perforations Method _____

Screens Type Continuous wire Material 304 SS

Perf/S	Casing/Screen	Liner	Dia	From	To	Screen/slot width	Slot length	# of slots	Tele/pipe size
	Liner	16	553	563					
Screen		16	563	573		.035			
	Liner	16	573	587					
Screen		16	587	662		.035			
	Liner	16	662	672					

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

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)
4,000 120 502 48

Temperature 53 ☒ Lab analysis ☒ Yes By Owner

Water quality concerns? ☐ Yes (describe below)

From	May 15 2009	Description	Amount	Units

WATER RESOURCES DEPT
SALEM, OREGON

(9) LOCATION OF WELL (legal description)

County MULTNOM Twp 1 N N/S Range 3 E E/W WM
Sec 29 SW 1/4 of the SE 1/4 Tax Lot 1400
Tax Map Number _____ Lot _____
Lat _____ or _____ DMS or DD
Long _____ or _____ DMS or DD
☒ Street address of well ☐ Nearest address

1520 NE 192ND AVE, PORTLAND, OR 97230

(10) STATIC WATER LEVEL

Date SWL(psi) + SWL(ft)
Existing Well / Predeepening _____
Completed Well 03-26-2009 _____ 192
Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES Depth water was first found _____

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
03-10-2009	580	734	4,000		192

(11) WELL LOG

Ground Elevation _____

Material	From	To
Clay Brown	0	5
Gravel Large Gray	5	14
Clay & Sand Brown/Gray	14	35
Gravel / Sand Some Clay Gray	35	80
Clay / Sand Gray	80	120
Gravel Cemented Gray	120	180
Gravel Gray/White/Brown	180	190
Gravel Cemented Gray	190	215
Gravel/Sand Gray	215	225
Clay Brown	225	232
Basalt Decomposed Brown/Gray	232	239
Clay Gray	239	282
Clay Green/Gray	282	339
Clay Stone Gray/Green	339	378
Gravel Cemented Gray	378	410
Clay Gray	410	490
Gravel / Clay Gray	490	495
Clay Gray	495	528
Gravel/Clay Gray/Green	528	535

Date Started 11-10-2008

Completed 04-17-2009

(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 663

Date 05-06-2009

Password : (if filing electronically) _____

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 1523

Date 05-06-2009

Password : (if filing electronically) _____

Signed _____

Contact Info (optional) _____

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ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

WATER RESOURCES DEPT
SALEM, OREGON

Amended 2/26/2025

STATE OF OREGON

WATER SUPPLY WELL REPORT

MULT 142639

WELL I.D. LABEL# 143597

START CARD # 1057726

ORIGINAL LOG #

Page 1 of 3

(as required by ORS 537.545 & 537.765 and OAR 690-205-0210)

1/14/2025

(1) LAND OWNER

Owner Well I.D. 6

First Name _____ Last Name _____

Company ROCKWOOD WATER PEOPLES UTILITY DISTRICTAddress 19601 NE HALSEY STCity PORTLAND State OR Zip 97230

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Conversion
☐ Alteration (complete 2a & 10) ☐ Abandonment (complete 5a)

(2a) PRE-ALTERATION

Casing: Dia + From To Gauge Stil Plstc Wld Thrd
Material From To Amt sacks/lbs
Seal: _____

(3) DRILL METHOD

☐ Rotary Air ☒ Rotary Mud ☒ Cable ☐ Auger ☐ Cable Mud
☒ Reverse Rotary ☐ Other _____

(4) PROPOSED USE

☐ Domestic ☐ Irrigation ☒ Community
☐ Industrial/ Commercial ☐ Livestock ☐ Dewatering
☐ Thermal ☐ Injection ☐ Other _____

(5) BORE HOLE CONSTRUCTION

Special Standard ☒ (Attach copy)Depth of Completed Well 971.00 ft.

BORE HOLE				SEAL				sacks/lbs
Dia	From	To	Material	From	To	Amt		
36	0	18	Cement	0	770	634	S	
30	18	91			Calculated	624		
28	91	775						
20	775	985			Calculated			

Seal placement method: ☐ A ☒ B ☒ C ☐ D ☐ E ☐ Other: _____Backfill placed from 971 ft. to 985 ft. Material SILICA SANDFilter pack from 740 ft. to 971 ft. Material SILICA SAND Size 8x16Explosives used: ☐ Type _____ Amount _____Seal Placement Begin Date 12/2/2022 Begin Time 11 00

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount

Actual Amount

(6) CASING/LINER

C/L	Dia	+	From	To	Gauge	Mat. Type	Wld	Thrd	Shoe	Location
C	24	<input checked="" type="checkbox"/>	3	770	0.375	ST	<input checked="" type="checkbox"/>			
C	30		0	91	0.375	ST	<input checked="" type="checkbox"/>			
L	20		741	744	0.375	ST	<input checked="" type="checkbox"/>			
L	16		744	761	0.375	ST	<input checked="" type="checkbox"/>			
L	16		851	871	0.375	ST	<input checked="" type="checkbox"/>			

Temp casing ☒ Yes Dia 20 From + 770 To 958

(7) PERFORATIONS/SCREENS

Perforations Method

Screens Type V-Shaped Wire wrap Material 304SS

Perf/ Screen	Casing/ Screen	Dia	From	To	Scr/slot width	Slot length	# of slots	Tele/ Pipe size
Screen	Liner	16	761	851	50			Pipe Size
Screen	Liner	16	871	921	50			Pipe Size
Screen	Liner	16	941	961	50			Pipe Size

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

Type of Test	Yield (gal/min)	Drawdown	Drill Stem/ Pump Depth	Duration (hr)
Pump	2750	250	740	48

Temperature 61 °F Lab analysis ☐ Yes By _____Water quality concerns? ☐ Yes (describe below) TDS amount 198 ppm
From To Description Amount Units

(9) LOCATION OF WELL (legal description)

County MULTNOMAH Twp 1.00 S N/S Range 3.00 E E/W WMSec 3 NW 1/4 of the NW 1/4 Tax Lot 800

Tax Map Number _____ Lot _____

Lat _____ " or 45.51816400 DMS or DDLong _____ " or -122.43221925 DMS or DD☐ Street address of well ☒ Nearest address22514 SE STARK ST, GRESHAM OR 97030

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+ SWL(ft)
Existing Well / Pre-Alteration			
Completed Well	<u>12/17/2024</u>		<u>330</u>

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES

Depth water was first found 23.00

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
<u>12/17/2024</u>	<u>760</u>	<u>965</u>	<u>2750</u>		<u>330</u>

(11) WELL LOG

Ground Elevation 337.70 FT

Material	From	To
Topsoil	0	4
Cobbles, boulders, and gravel	4	7
Gravel, 3" minus, sand coarse	7	16
Gravel, some clay, brown	16	38
Clay, brown, with some gravel	38	53
Gravel, 3" minus, with clay, brown	53	56
Cobbles with gravel, some clay, brown	56	66
Clay, brown, medium, with some gravel 3" minus	66	86
Gravel, cemented, with clay, brown, silty	86	91
Sand, grey, multi colored, fine to coarse	91	102
Gravel, 3/4" minus, some sand, fine to medium	102	130
Gravel 1-1/2" minus w/ some sand, cementation	130	415
Sand, grey, medium to coarse, some gravel 1" minus	415	472
Claystone, tan, medium, sandy	472	483
Gravel and sand, 1"- some cementation layers	483	513
Sandstone, tan, medium to firm, some grey med/hard	513	523
Gravel, 1" minus, layers of cementation	523	623
Clay, tan and green, /s layers of grey, med, sandy	623	697
Clay, layer of green, brown, grey and blue, medium	697	760

Construction

Begin Date 8/4/2022 Begin Time 10 00 End Date 12/18/2024

(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 1927Date 1/9/2025Signed RYAN SMITH (E-filed)

(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 1988Date 1/14/2025Signed ERIC SCHNEIDER (E-filed)Drilling Company: Schneider Water Services

ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK Form Version: 1.0




New exempt use wells must be submitted with a map and recording fee.

Received

JUL 25 2025

OWRD

(2a) PRE-ALTERATION

Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
								
								
								
Material		From	To		Amt	sacks/lbs		

(5) BORE HOLE CONSTRUCTION

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

FILTER PACK			
From	To	Material	Size

(6) CASING/LINER

[illegible]

(7) PERFORATIONS/SCREENS

[illegible]

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

Type of Test	Yield (gal/min)	Drawdown	Drill Stem/ Pump Depth	Duration (hr)

Water Quality Concerns

[illegible]

(10) STATIC WATER LEVEL

[illegible]

(11) WELL LOG

Material	From	To
Sand, grey, medium to coarse, some gravel	760	773
Gravel with Cobbles and sand, grey	773	813
Sand, grey, fine, some gravel, 3/4" minus	813	820
Gravel, 3" minus, some sand, grey, fine	820	830
Sand, grey, fine	830	838
Sand, grey, fine, some gravel	838	846
Clay, grey, medium, soft	846	847
Gravel, 3" minus, some sand	847	848
Gravel and sand, some clay	848	853
Sand, grey, medium to fine, some gravel	853	869
Clay with some sand, grey	869	870
Sand, grey, medium to coarse	870	872
Gravel, 2" minus, with sand, medium to coarse	872	879
Gravel, 2" minus, with clay, grey, soft, some sand	879	883
Sand, some clay	883	886
sand, medium, cemented	886	887
Clay, grey, medium	887	889
Sand, grey, medium to coarse, some mica	889	910
Gravel, 3/4 minus with sand, grey, lenses of clay	910	914
Sand, grey, medium-fine, some gravel and mika	914	937
Gravel, black and green	937	941
Sand, black, medium, some mica	941	953
Gravel, some clay, green	953	958
Clay, green-grey, sticky	958	985

Name of person(s) who assisted with construction and Trainee License # / Helper #

Assistant Name	Type	#
JEREME BLACKWELL	HELPER WATER	8888981
CRISTO DEL RIO	HELPER WATER	8888980
DARREN GONZALES	HELPER WATER	8888979
TYLER JESKE	HELPER WATER	8888953
ANDREW PETRIE	HELPER WATER	8888908

Comments/Remarks

- 16" liner has 3/8" steel plate welded on bottom.
- 16" has J-latch assembly installed.
- 20"x16" reducer assembly installed on top of 16" liner assembly. Overlaps top of liner by 3' on the OD and has a J-latch assembly.
- Upper borehole drilled with flooded reverse circulation, no statics were available.

Received Received

JUL 25 2025

15 2025

OWBD



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

MULT 142639

1/14/2025

Received

JUL 25 2025

Map of Hole

OWRD

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: 45.51816400 Datum: WGS84

Longitude: -122.43221925

Township/Range/Section/Quarter-Quarter Section:
WM1.00S3.00E3NWNW

Address of Well:

22514 SE STARK ST, GRESHAM OR 97030

Well Label: 143597

Printed: January 9, 2025

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

Provided by well constructor



(as required by ORS 537.765)

(START CARD) # **154597**

(1) OWNER: Well Number **Cascade #3**

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:

☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger

☒ Other **Reverse Circulation**

(4) PROPOSED USE:

<input type="checkbox"/> Domestic	<input checked="" type="checkbox"/> Community	<input type="checkbox"/> Industrial	<input type="checkbox"/> Irrigation
<input type="checkbox"/> Thermal	<input type="checkbox"/> Injection	<input type="checkbox"/> Livestock	<input type="checkbox"/> Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well **660** ft.
Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
24"	0	15	Bent Chips	0	15	140 Sacks
24"	15	125	Cement	125	388	386 Sacks
20"	125	390	Cement	125	388	319 Sacks
16"	390	665				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other _____

Backfill placed from	660	ft. to	665	ft.	Material	Pea Gravel
Gravel placed from	439	ft. to	660	ft.	Size of gravel	10x20

(6) CASING/LINER:								
	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	16"	+2	450	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:	See				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Attached	Sheet	Orig	Log	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

<input type="checkbox"/> Perforations	Method	
<input checked="" type="checkbox"/> Screens	Type 304	Material Stainless

From See	To Attached	Slot size Sheet	Number Orig	Diameter Log	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

<input checked="" type="checkbox"/> Pump	<input type="checkbox"/> Bailer	<input type="checkbox"/> Air	Flowing <input type="checkbox"/> Artesian
Yield gal/min	Drawdown	Drill stem at	Time
3100	62		1 hr. 48 hrs

Temperature of water **56 F** Depth Artesian Flow Found _____
 Was a water analysis done? ☐ Yes By whom _____
 Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☒ Colored ☒ Other **Wood/Fine Sand**
 Depth of strata: **Blank Sections See attached Sht**

County **Multnomah** Latitude _____ Longitude _____
Township **1** N Range **3** E WM.
Section **29** SE 1/4 SE 1/4
Tax Lot **300** Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) **19601 NE Halsey St.**
Portland, OR

(10) **STATIC WATER LEVEL:**
185' ft. below land surface. Date **4/12/03**
 Artesian pressure lb. per square inch. Date

(11) **WATER BEARING ZONES:**

Depth at which water was first found **185"**

From	To	Estimated Flow Rate	SWL
185	378	N/A	185
447	665	3500	

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
See Attached Sheet on Original Log			
Received			
JUL 25 2025			
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APR 16 2012			
WATER RESOURCES DEPT SALEM, OREGON			

Date started **1/6/03** Completed **6/12/03**

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, 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.

WWC Number 1523
Signed See Original Log Date 6/26/03

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, 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.

WWC Number 1464
Signed See Original Log Date 6/26/03

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

Portland Cement

Sugar Sand

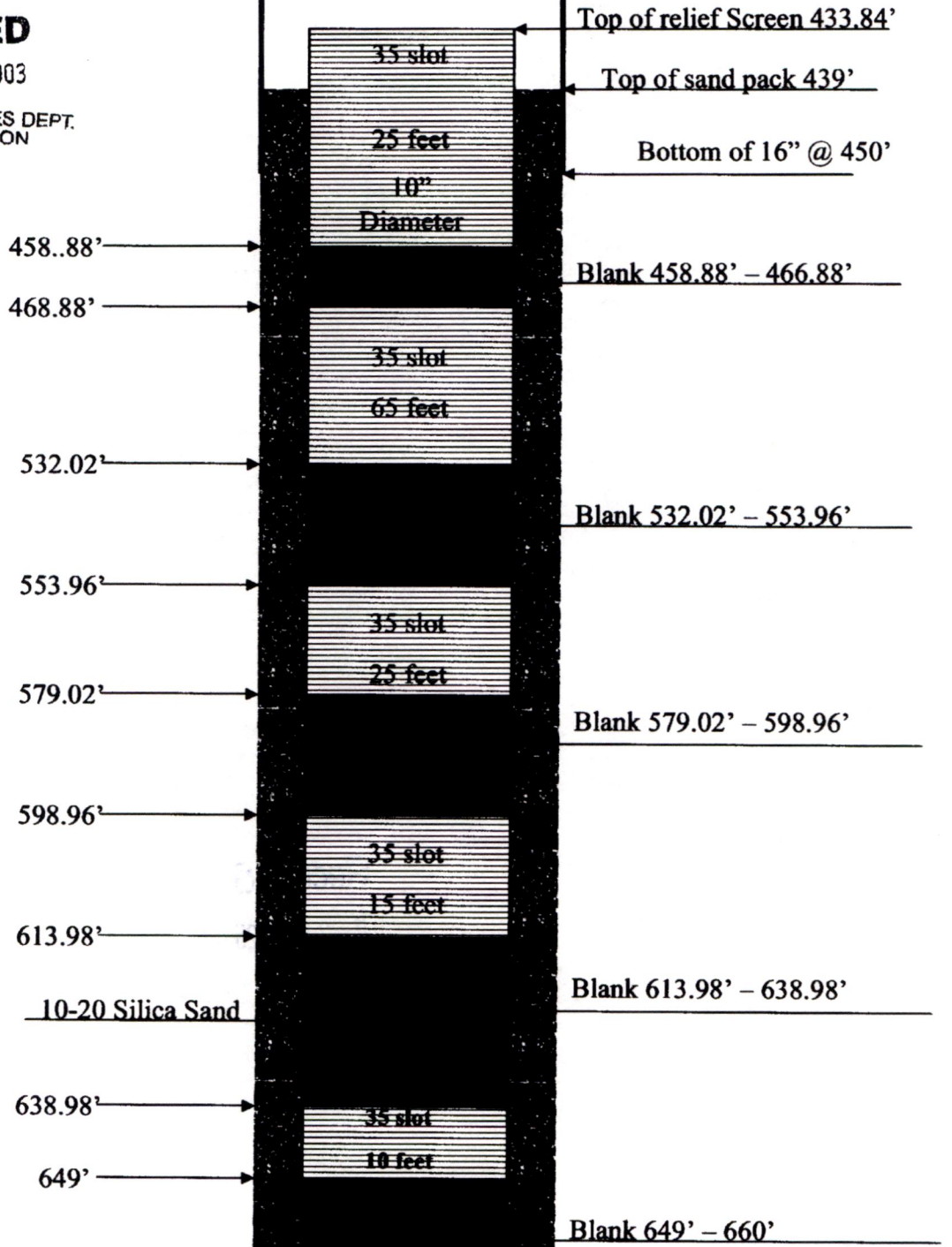
MULT 70128
MULT 70128

Bottom of 20" Hole @ 388'

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SALEM, OREGON



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MULT 70128
MULT 70128



Geo-Tech Explorations, Inc.
19700 SW Teton
Tualatin, OR 97062
Ph: (503) 692-6400, Fax: (503) 692-4759

Well Name:	Rockwood Water PUD Well PW-1	Start Date	Finish Date
Start Card #:	154595	1/6/2003	6/12/2003
Label #:	56125	SWL 185'	
Material Description	From:	To:	
Rock Fill	0	3	
Silt, Brown	3	12	
Cobbles and gravels	12	76	
Cobbles, gravels, cemented	76	112	
Gravels and sand	112	128	
Silt, light brown	128	130	
Sand stone, brown with pea gravel	130	134	
Silty clay, brown	134	138	
Silty clay, gray	138	140	
Clay silty sandstone, gray/green	140	145	
Sandstone, gray	145	150	
Clay silty, green/gray	150	161	
Clay, green/brown	161	165	
Siltstone, black	165	170	
Sandstone, brown	170	203	
Siltstone, black	203	211	
Siltstone with pea gravel, brown	211	275	
Cemented gravels	275	309	
Silt, soft, tan w/ small gravels	309	322	
Sand, fine, packed, light gray	322	350	
Silty sand, tan	350	360	
Gravels, cemented	360	378	
Silty clay, gray	378	381	
Sand, silty, green	381	385	
Silt, Brown	385	387	
Silty clay, gray	387	400	
Sand, fine, gray	400	407	
Clay, green	407	415	
Silty sand, light brown	415	447	
Cemented gravels	447	463	
Siltstone with sand, green/black	463	465	
Sandstone with gravels	465	505	
Cemented gravels, loose	505	535	
Sand, fine, gray	535	555	
Sand, coarse, green	555	565	
Sand, fine, gray	565	575	
Sand, fine with silt seams, some wood	575	615	
Silty sand w/ wood	615	618	
Sandy gravels	618	620	
Sand, fine, gray	620	627	
Sandy gravels w/ wood	627	638	
Gravels Cemented	638	640	
Sand, gray	640	648	
Gravels with sand	648	650	
Sand, fine	650	653	
Sand with wood	653	660	
Sand, some gravels	660	665	

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WATER RESOURCES DEPT
SALEM, OREGON

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

MULT 136609

WELL I.D. LABEL# I 138848
START CARD # 1045834
ORIGINAL LOG #

(1) LAND OWNER Owner Well I.D. Cascade 8
First Name _____ Last Name _____
Company Rockwood Water PUD
Address 19601 NE Halsey ST.
City Portland State OR Zip 97320

(2) TYPE OF WORK ☒ 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
☐ Rotary Air ☒ Rotary Mud ☒ Cable ☒ Auger ☐ Cable Mud
☐ Reverse Rotary ☐ Other _____

(4) PROPOSED USE ☐ Domestic ☐ Irrigation ☒ Community
☐ Industrial/ Commercial ☐ Livestock ☐ Dewatering
☐ Thermal ☐ Injection ☐ Other _____

(5) BORE HOLE CONSTRUCTION Special Standard ☐ (Attach copy)
Depth of Completed Well 1,200 ft.

BORE HOLE			SEAL			sacks/	
Dia	From	To	Material	From	To	Amt	lbs
48	0	57	Cement	0	57	451	S
						Calculated	360
28	57	1,000	Cement	0	1,000	8,705	Gallons
20	1,000	1,200				Calculated	8,536

How was seal placed: Method ☒ A ☐ B ☒ C ☐ D ☐ E
☐ Other _____

Backfill placed from _____ ft. to _____ ft. Material _____
Filter pack from 986 ft. to 1,200 ft. Material Silica Sand Size 10-20

Explosives used: ☐ Yes Type _____ Amount _____

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

(6) CASING/LINER
Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd
☒ ☐ 30 ☐ 0 58 .375 ☒ ☐ ☒ ☐
☒ ☐ 24 ☒ 3 354 .375 ☒ ☐ ☒ ☐
☒ ☐ 24 ☐ 354 1,000 .500 ☒ ☐ ☒ ☐
☒ ☐ 16 ☐ 985 990 .375 ☒ ☐ ☒ ☐
☒ ☐ 16 ☐ 1,000 1,130 .375 ☒ ☐ ☒ ☐
Shoe ☐ Inside ☒ Outside ☐ Other Location of shoe(s) 1,195
Temp casing ☒ Yes Dia 20 From 0 To 1,200

(7) PERFORATIONS/SCREENS
Perforations Method _____
Screens Type V-Wire Material 304 SS
Perf/S Casing/ Screen Dia From To Scrn/slot Slot # of Tele/
reen Liner Dia From To width length slots pipe size
Screen Liner 16 990 1,000 .035 _____
Screen Liner 16 1,130 1,195 .035 _____

(8) WELL TESTS: Minimum testing time is 1 hour
☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)
1,085 137.6 480 3

Temperature 64 °F Lab analysis ☒ Yes By GSI Water Solutions

Water quality concerns? ☐ Yes (describe below) TDS amount 140 mg/L
From To Description Amount Units

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)
County MULTNOMAH Twp 1 N N/S Range 2 E E/W WM
Sec 35 NE 1/4 of the SE 1/4 Tax Lot 4700
Tax Map Number _____ Lot _____
Lat _____ " or _____ DMS or DD
Long _____ " or _____ DMS or DD
☒ Street address of well ☐ Nearest address

311 NE 141st Ave Portland, OR 97320

(10) STATIC WATER LEVEL
Date SWL(psi) + SWL(ft)
Existing Well / Pre-Alteration _____
Completed Well 03-30-2021 _____ 327
Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES					Depth water was first found 50
SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
03-30-2021	1,125	1,200	1,000		327

(11) WELL LOG Ground Elevation 325
Material From To
See Attached Formation Log 0 1,200
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Date Started 01-06-2020 Completed 04-16-2021

(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 2040 Date 05-24-2021

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 1523 Date 05-24-2021

Signed _____

Contact Info (optional) _____

ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK Form Version: 0.95

MULT 136609

Cascade 8 Summary Borehole Log

Troutdale Gravel Aquifer (TGA)	0 - 95	silty GRAVEL, some sand
	95 - 145	well graded sandy GRAVEL
	145 - 195	CLAY and clayey GRAVEL
	195 - 225	well graded slightly sandy GRAVEL, moderately cemented
	225 - 275	well graded/poorly sorted clayey to silty GRAVEL, weak to moderate cementation
	275 - 450	slightly sandy well graded GRAVEL with intermittent (<5' thick) sand lenses
	450 - 532	slightly sandy poorly graded GRAVEL, moderately cemented
Confining Unit 1 (CU1)	532 - 690	CLAY, trace to moderate gravel
Troutdale Sandstone Aquifer (TSA)	690 - 720	silty SAND, slight gravel, weakly cemented
	720 - 740	clayey SAND, slight gravel, weakly cemented
	740 - 770	silty SAND, slight gravel, strongly cemented
	770 - 780	clayey SAND, slight gravel, weakly cemented
Confining Unit 2 (CU2)	780 - 830	CLAY, trace gravel
	830 - 840	SILT, slight sand and gravel
	840 - 1020	CLAY, trace gravel
Sand and Gravel Aquifer (SGA)	1020 - 1030	well graded, micaceous clayey SAND
	1030 - 1040	well graded micaceous SAND
	1040 - 1050	weakly cemented silty SAND
	1050 - 1060	well graded non cemented SAND
	1065 - 1075	silty SAND, poorly graded and weakly cemented
	1075 - 1085	poorly graded, non-cemented SAND
	1085 - 1125	silty SAND, some fines, moderately cemented
	1125 - 1200	poorly graded SAND, little fines, non-cemented

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MAY 24 2021

OWRD

Received

JUL 25 2025

OWRD

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

(WELL I.D.)# L 68016

(START CARD) # 160370

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number **Cascade # 4**Name **Rockwood Water People's Utility District**Address **19601 NE Halsey St.**City **Portland** State **OR** Zip **97230**

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:

☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger☒ Other **Reverse Circulation**

(4) PROPOSED USE:

☐ Domestic ☒ Community ☐ Industrial ☐ Irrigation☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well **625** ft.Explosives used ☐ Yes ☒ No Type Amount

HOLE			SEAL			Sacks or pounds	
Diameter	From	To	Material	From	To		
26"	0	11	Bent Chips	0	11	18 Sacks	
26"	11	470	Cement	11	466	477 Sacks	
20"	470	352					

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E☒ Other **Inside out with Braden Head method**Backfill placed from ft. to ft. Material **Silica Sand**Gravel placed from **453** ft. to **625** ft. Size of gravel **10x20**

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	22"	+2	466	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	See	Attach	Dia		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	16"	451	454	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	16"	464	485	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:	16"	540	550	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	16"	617	621	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☐ Perforations Method☒ Screens Type **304** Material **Stainless**

From	To	Slot size	Number Relief	Diameter	Tele/pipe size	Casing	Liner
454	464	.035		16"	PS	<input type="checkbox"/>	<input type="checkbox"/>
485	540	.035		16"	PS	<input type="checkbox"/>	<input type="checkbox"/>
550	585	.035		16"	PS	<input type="checkbox"/>	<input type="checkbox"/>
595	617	.035		16"	PS	<input type="checkbox"/>	<input type="checkbox"/>
See	Attach	Dia				<input type="checkbox"/>	<input type="checkbox"/>

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

☒ Pump ☐ Bailer ☐ Air ☐ Flowing

Yield gal/min	Drawdown	Drill stem at	Time
4000	80		48 hrs

Temperature of water **56 F** Depth Artesian Flow FoundWas a water analysis done? ☐ Yes By whomDid any strata contain water not suitable for intended use? ☐ Too little☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☒ Other **Wood/Fine Sand**Depth of strata: **Blank Sections**

(9) LOCATION OF WELL by legal description:

County **Multnomah** Latitude LongitudeTownship **1** N Range **3** E WM.Section **29** SE 1/4 SE 1/4Tax Lot **300** Lot Block SubdivisionStreet Address of Well (or nearest address) **19601 NE Halsey St.****Portland, OR**

(10) STATIC WATER LEVEL:

196' ft. below land surface.Date **12/29/03**

Artesian pressure lb. per square inch.

Date

(11) WATER BEARING ZONES:

Depth at which water was first found **138'**

From	To	Estimated Flow Rate	SWL
Mud Rotary and			
Flooded Reverse			
Circulation drilling			
was used. Water			
Bearing Zones unavail-			

(12) WELL LOG:

Ground Elevation

Material	From	To	SWL
See Attached Sheet on Original Log			
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Date started **9/8/03**Completed **1/20/04**

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, 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.

WWC Number **1523**Signed **See Original Log**

Date

(bonded) Water Well Constructor Certification:

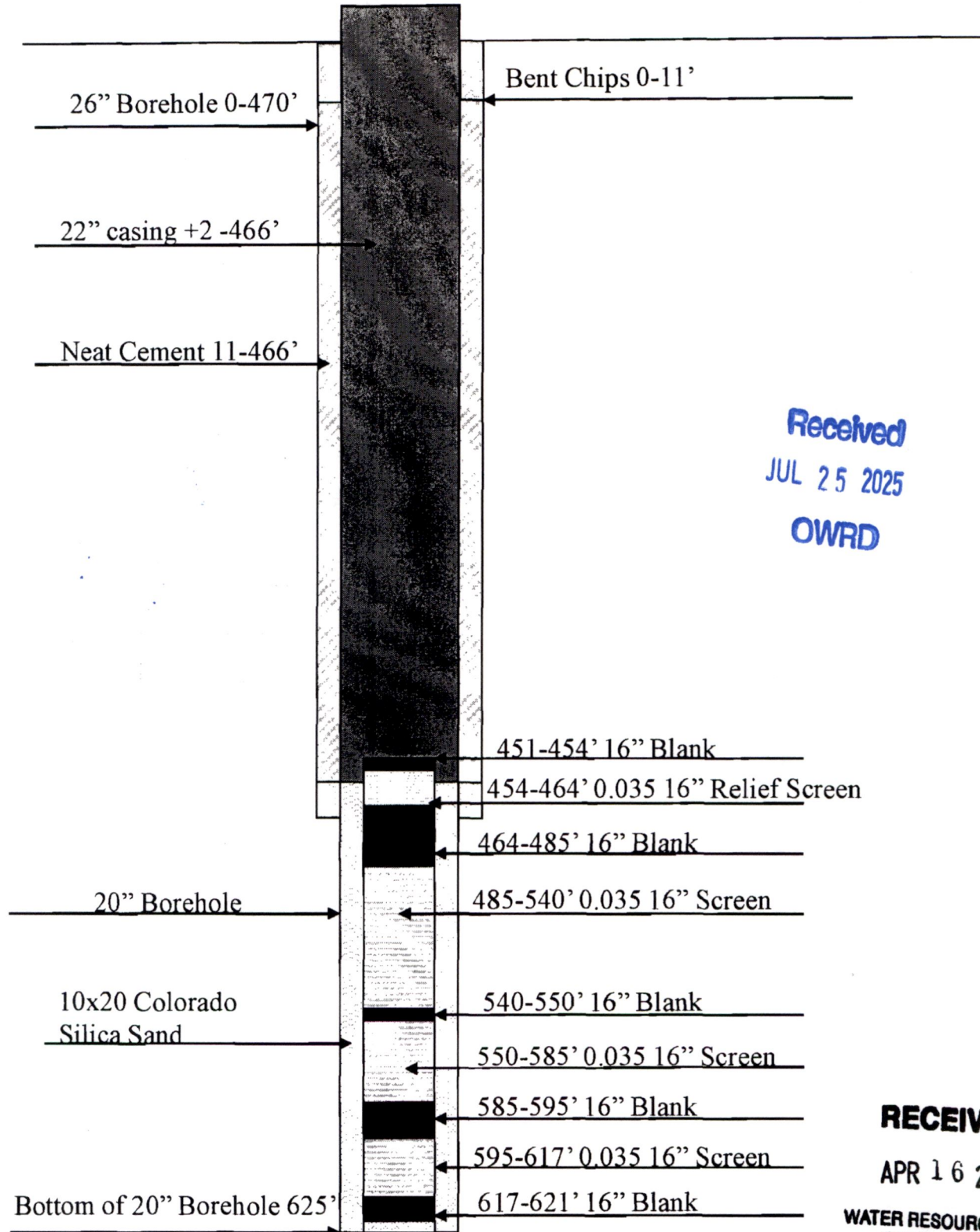
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number **1464**Signed **See Original Log**

Date

MULT 72119

As Built for Cascade Well No. 4
Rockwood Water PUD
MULT 72119 AMENDED DIA



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MULT 72119
MULT 72119



Geo-Tech Explorations, Inc.
19700 SW Teton
Tualatin, OR 97062
Ph: (503) 692-6400, Fax: (503) 692-4759

Well Name: Cascade Well No. 4

Start Card #: 160370

Label #: L68016

Material Description	From:	To:
Topsoil with gravels	0	6
Gravels	6	120
Gravels with some cementation	120	138
Brown silt with gravels	138	178
Green silt with gravels	178	186
Green and brown silt with gravels	186	190
Grey to green silt with some gravels	190	280
Brown silt with small gravels	205	208
Siltstone hard, grey	218	226
Grey siltstone med hard	226	265
Gravels, small to sand	265	287
Gravels, Hard	287	302
Gravels with some cementation	302	320
Gravels, Hard, Cemented	320	330
Gravels, Hard, loose	330	336
Gravels, hard with grey silt	336	361
Gravels with brown and grey silt	361	380
Gravels, hard with some cementation	380	386
Gravels, hard with grey silt	386	404
Silt, grey to green with gravels	404	416
Gravels, hard	416	420
Silt to clay, green	420	432
Brown silt	432	441
Gravels with brown silt	441	450
Sandy silt, brown	450	472
Gravels, Hard, Cemented	472	478
Brown clay	478	480
Black sand, cemented	480	502
Gravels, cemented	502	532
Gravels with loose sands	532	536
Sand and gravels	536	540
Grey sand with some gravels	540	544
Grey sand, fine	544	551
Dark grey sand, medium	551	600
Gravels, large with wood and sand	600	605
Sand and gravels	605	624
Wood	624	625

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WELL I.D. LABEL#	138827	
START CARD #	1045835	
ORIGINAL LOG #		

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(6) Casing/Liner
Temporary 20" casing was advanced from 632.5 to 818 feet then removed during well construction

DEPTH (feet)	Sample Interval	Visual Log	SAMPLE DESCRIPTION	
			Density, color, moisture, and texture, and MAJOR CONSTITUENT (USCS), grain size, shape, and gradation, structure, bedding, cementation, mineralogy, organics, odor, (FORMATION ACRONYM)	
0				
10				
20		GW	Gray (10YR, 5/1), wet, sandy GRAVEL (GW), fine gravel to coarse sand, subangular, well-graded (TGA)	<div>Received</div> <div>JUL 25 2021</div> <div>OWRD</div>
30				
40			No recovery	
50				
60		GW	Gray (10YR, 5/1), wet, sandy GRAVEL (GW), fine gravel to coarse sand, subangular, well-graded (TGA)	<div>RECEIVED</div> <div>MAR 16 2021</div> <div>OWRD</div>
70				
80				
90				
100		SP	Dark gray (10YR, 4/1), wet, slightly gravelly SAND (SP), coarse sand to	

DEPTH (feet)	Sample Interval	Visual Log	SAMPLE DESCRIPTION	
			Density, color, moisture, and MAJOR CONSTITUENT (USCS), grain size, shape, and gradation, structure, bedding, cementation, mineralogy, organics, odor, (FORMATION ACRONYM)	
100		SP	very fine gravel, subangular, poorly graded (TGA)	
110				
120		SP	Gray (10YR, 5/1), wet, SAND (SP), coarse to very coarse sand, subangular, poorly graded (TGA)	
130				
140				
150		GP	Gray (10YR, 4/1), wet, GRAVEL (GP), medium to coarse gravel, angular to subangular, poorly graded (TGA)	
160				
170				
180				
190		SM	Light brownish gray (10YR, 6/2), wet, silty SAND (SM), trace gravel, medium sand, fine gravel, subrounded, poorly graded (TGA)	
200				

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DEPTH (feet)	Sample Interval	Visual Log	SAMPLE DESCRIPTION	
			MULT	MAJOR CONSTITUENT (USCS), grain size, shape, and gradation, structure, bedding, cementation, minerology, organics, odor, (FORMATION ACRONYM)
200				
210				
220				
230				
240				
250			GP	Dark gray (10YR, 4/1) GRAVEL (GP), fine gravel, subrounded to subangular, poorly graded (TGA)
260				
270				
280				
290				
300				

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DEPTH (feet)	Sample Interval	Visual Log	SAMPLE DESCRIPTION	
			Detail description, moisture content, and MAJOR CONSTITUENT (USCS), MULT 136199 grain size, shape, and gradation, structure, bedding, cementation, mineralogy, organics, odor, (FORMATION ACRONYM)	
300		GM	Dark brown (10YR, 3/3), wet, silty GRAVEL (GM), trace clay, low plasticity, fine gravel, subangular, poorly graded (TGA)	
310				
320		GP	Dark gray (10YR, 4/1), GRAVEL (GP), coarse gravel, subrounded to subangular, poorly graded (TGA)	
330				
340		GC	Very dark grayish brown (10YR, 3/1), wet, slightly silty, clayey GRAVEL (GC), medium plasticity, subrounded to subangular, poorly graded (CU1)	
350		ML	Soft, dark brown (10YR, 3/3), wet, sandy SILT (ML), trace gravel, low plasticity, fine grained sand, fine grained gravel, subrounded, poorly graded (CU1)	
360			RECEIVED MAR 16 2021 OWRD	
370				
380		SM	Very pale brown (10YR, 7/4), wet, silty SAND (SM), fine to medium grained, sub-rounded, well-graded (CU1) 370 - 390 ft.: poorly graded with trace fine grained gravel	
390				
400		SC	Medium stiff, strong brown (7.5YR, 4/6), wet, sandy CLAY (SC), high plasticity, very fine grained, subrounded, poorly graded (CU1)	

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DEPTH (feet)	Sample Interval	Visual Log	SAMPLE DESCRIPTION	
			Density, color, moisture, modifiers and MAJOR CONSTITUENT (USCS), grain size, shape and distribution, structure, bedding, cementation, mineralogy, organics, odor, (FORMATION ACRONYM)	
500				
510		SM	Light olive brown (2.5Y, 5/3), wet, silty, gravelly, SAND (SM), fine gravel, medium sand, poorly graded (TSA)	
520		SM	Light olive brown (2.5Y, 5/3), wet, slightly gravelly, sandy SILT (SM), low to non-plastic, fine gravel, medium sand, medium dry strength, poorly graded (TSA)	
530		SM	Dark gray (2.5Y, 4/0), wet, slightly clayey, sandy SILT (ML), fine sand, nonplastic, poorly graded (TSA)	
540		ML	Very dark gray (2.5Y, 3/0), wet, clayey SILT (ML), low to medium plasticity, low toughness, medium dry strength (CU2)	
550			548-549 ft.: Low toughness, dark brown (10YR, 3/3), wet, very clayey SILT (ML), low to nonplastic, low dry strength	
560		SM	Dark gray (7.5YR, 4/0), wet, very silty SAND (SM), trace gravel, very fine sand, fine gravel, subangular sand and gravel, poorly graded (CU2)	
570		GW	Very dark gray (7.5YR, 3/0), wet, slightly silty, sandy GRAVEL (GW), subrounded gravel, subangular sand, well graded (CU2)	
580		ML	Gray (7.5YR, 5/0), wet, slightly sandy SILT (ML), low plasticity, very fine sand (CU2)	
590				
600				

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DEPTH (feet)	Sample Interval	Visual Log	SAMPLE DESCRIPTION	
			Density, color, moisture, grain size, and MAJOR CONSTITUENT (USCS), grain size, shape, and gradation, structure, bedding, cementation, mineralogy, organics, odor, (FORMATION ACRONYM)	
400		ML	Very soft, grayish brown (2.5Y, 5/2), wet, sandy SILT (ML), very soft, very fine sand, subangular (CU1)	
410				
420		SM	Dark gray (2.5Y/N3/3), wet, gravelly, silty SAND (SM) coarse grained, subangular gravel and sand, well-graded (TSA)	
430			fluctuating gravel size with depth	
440		GP	Very dark gray (2.5Y, 3/N3) GRAVEL (GP), wet, coarse, subrounded to subangular, poorly graded (TSA)	
450		GP	Light brownish gray (2.5Y, 3/N3), GRAVEL (GP), wet, coarse, subrounded to subangular, poorly graded (TSA)	
460		GP	Very dark gray (2.5Y, 3/N3), GRAVEL (GP), wet, coarse, subrounded to subangular, poorly graded (TSA)	
470		SP	Light brownish gray (2.5Y, 3/N3), wet, slightly gravelly SAND (SP), medium grained sand, fine gravel, subrounded sand and subangular gravel, poorly graded (TSA).	
480			<div> <div> Received JUL 25 2025 OWRD </div> <div> RECEIVED MAR 16 2021 OWRD </div> </div>	
490		GP	Dark gray (10YR, 4/1), wet, sandy Gravel (GP), medium sand, fine gravel, subangular sand and gravel, poorly graded (TSA)	
500				

DEPTH (feet)	Sample Interval	Visual Log	SAMPLE DESCRIPTION	
			Density, color, moisture, modifiers and MAJOR CONSTITUENT (USCS), grain size, shape, and distribution, structure, bedding, cementation, mineralogy, organics, odor, (FORMATION ACRONYM)	
600				
610		SM	Dark gray (2.5YR, 4/0), wet, very silty SAND (SM), medium sand, subrounded, poorly graded (SGA)	
620			620 - 629 ft.: trace gravel	
630		SM	Very dark gray (2.5Y, 3/0), wet, slightly gravelly, silty SAND, fine to very coarse SAND (SM), subangular, well graded (SGA)	
640		GP	Dark gray (10YR, 4/1), wet, very sandy, slightly silty GRAVEL (GP), fine gravel to very coarse sand, subangular, poorly graded (SGA)	
650		ML	Dark gray (10YR, 4/1), wet, clayey SILT (ML), low plasticity (SGA)	
660		GP	Dark gray (10YR, 4/1), wet, slightly silty, sandy GRAVEL (GP), fine to coarse gravel, coarse sand, subangular, poorly graded. weak to moderate cementation (SGA)	
670		SP	Black (7.5YR, 2/0), wet, gravelly SAND (SP), coarse sand to fine gravel, subangular, poorly graded (SGA)	
680			675 - 678 ft.: cemented cobbles	RECEIVED MAR 16 2021 OWRD
690		SP	Black (7.5YR, 2/0), wet, gravelly SAND (SP), coarse sand to fine gravel, subangular, poorly graded, moderately cemented (SGA)	
700			687 - 690 ft.: Cemented cobbles	

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DEPTH (feet)	Sample Interval	Visual Log	SAMPLE DESCRIPTION	
			Density, color, moisture, and MAJOR CONSTITUENT (USCS), grain size, shape, and gradation, structure, bedding, cementation, minerology, organics, odor, (FORMATION ACRONYM)	
700			690 - 694 ft.: Vesicular basalt	
710				
720		SM	Very dark gray (10YR, 3/1), wet, gravelly, silty SAND (SM), fine to medium sand, fine gravel, subangular sand, subrounded gravel, poorly graded (SGA)	
730				
740				
750				
760				
770		SM	Very dark gray (10YR, 3/1), wet, gravelly, silty SAND (SM), fine to medium sand, fine gravel, subangular sand, subrounded gravel, poorly graded (SGA)	
780			800 802 ft.: Woody debris encountered	
790				
800				

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DEPTH (feet)	Sample Interval	Visual Log	SAMPLE DESCRIPTION Density, color, moisture, plasticity, and MAJOR CONSTITUENT (USCS), grain size, shape, and gradation, structure, bedding, cementation, minerology, organics, odor, (FORMATION ACRONYM)	
800			MULT 136199	
810				
820				

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WELL I.D. LABEL# L138847

START CARD # 1046640

ORIGINAL LOG #

(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/ lbs
Dia	From	To	Material	From	To	Amt	
					Calculated		
					Calculated		
					Calculated		
					Calculated		
					Calculated		

FILTER PACK			
From	To	Material	Size

(6) CASING/LINER

Casing Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
	16		850	855	375				
									
									
									
									
									
									
									
									
									
									
									
									

(7) PERFORATIONS/SCREENS

[illegible]

(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

[illegible]

(11) WELL LOG

[illegible]

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Comments/Remarks

[illegible]

MULT 136598

Kirk Park Summary Borehole Log

Troutdale Gravel Aquifer (TGA)	0 - 280	sandy GRAVEL, increasingly cemented with depth
	280 - 298	silty to clayey, poorly sorted GRAVEL
Confining Unit 1 (CU1)	298 - 445	clayey SILT, intermittent clayey sands
Troutdale Sandstone Aquifer (TSA)	445 - 520	poorly sorted medium SAND, trace to little silt
	520 - 578	sandy GRAVEL, signs of cementation
	578 - 622	poorly sorted silty GRAVEL, trace clay
Confining Unit 2 (CU2)	622-670	clayey SILT
	670 - 720	sandy SILT, trace gravel below 700'
Sand and Gravel Aquifer (SGA)	720-735	SAND with silt and gravel
	735-750	well graded GRAVEL with sand, larger gravels broken
	750-760	well sorted medium SAND, trace broken gravel and rounded pea gravel
	760 - 810	coarse GRAVEL, some sand
	810 - 855	poorly sorted coarse SAND, some muscovite and gravel
	855-865	well graded/poorly sorted GRAVEL, little silt, trace muscovite
	865-875	moderately sorted fine to coarse SAND, micaceous with trace organics/bark and pea gravel
	875-885	well graded/poorly sorted GRAVEL with sand, trace organics, micaceous
	885-890	SANDSTONE and SILTSTONE with trace gravel
	890-895	well sorted and rounded coarse SAND
	895-900	poorly sorted GRAVEL and SAND with some siltstone and sandstone
	900-907	well sorted medium SAND with trace gravel, muscovite, and organic debris

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DRAFTWELL REPORT
(as required by ORS 537.765 OAR 690-205-0210)

WELL I.D. LABEL# L 112748

START CARD # 1027242

ORIGINAL LOG #

(1) LAND OWNER

Owner Well I.D. _____
 First Name _____ Last Name _____
 Company Rockwood Water Peoples Utility District
 Address 19601 NE HALSEY ST
 City Portland State OR Zip 97230

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Conversion

☐ Alteration (complete 2a & 10) ☐ Abandonment (complete 5a)
(2a) PRE-ALTERATION

Dia + From To Gauge Stil Plstc Wld Thrd
 Casing: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Material From To Amt sacks/lbs
 Seal: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

(3) DRILL METHOD
☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud
☒ Reverse Rotary ☐ Other
(4) PROPOSED USE
☐ Domestic ☐ Irrigation ☒ Community
☐ Industrial/ Commercial ☐ Livestock ☐ Dewatering
☐ Thermal ☐ Injection ☐ Other
(5) BORE HOLE CONSTRUCTIONSpecial Standard ☐ (Attach copy)

Depth of Completed Well 865 ft.

BORE HOLE

Dia	From	To	Material	From	To	Amt	sacks/lbs
16	0	693	Cement	35	693	660	S
						Calculated	
			Bentonite Chips	0	35	44	S
						Calculated	

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E
☒ Other stab in grout shoe

Backfill placed from 865 ft. to 883 ft. Material Bent/Peageavel

Filter pack from 688 ft. to 865 ft. Material Silica Sand Size 10/20

Explosives used: ☐ Yes Type Amount**(5a) ABANDONMENT USING UNHYDRATED BENTONITE**

Proposed Amount Pounds Actual Amount Pounds

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stil	Plstc	Wld	Thrd
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10	<input checked="" type="checkbox"/>	2	693	.250	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	5	<input type="checkbox"/>	678	688	sch 40	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	5	<input type="checkbox"/>	693	772	sch 40	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	5	<input type="checkbox"/>	862	865	sch 40	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Shoe ☐ Inside ☐ Outside ☒ Other Location of shoe(s) 693
 Temp casing ☒ Yes Dia 16 From 0 To 90

(7) PERFORATIONS/SCREENS

Perforations Method

Screens Type V-Wire

Material 304 SS

Perf/S	Casing/Screen	Dia	From	To	Scr/slot width	Slot length	# of slots	Tele/pipe size
green	Liner	5	688	693	.035			5
		5	772	862	.035			

(8) WELL TESTS: Minimum testing time is 1 hour
☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

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

600	45.8		72
-----	------	--	----

Temperature 57 °F Lab analysis ☒ Yes By OwnerWater quality concerns? ☐ Yes (describe below) TDS amount

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County MULTNOMAH Twp 1 S N/S Range 3 E E/W WM

Sec 3 NW 1/4 of the NW 1/4 Tax Lot 800

Tax Map Number Lot

Lat ° ' " or DMS or DD

Long ° ' " or DMS or DD

☐ Street address of well ☒ Nearest address

22514 SE Stark St, Gresham, OR 97030

(10) STATIC WATER LEVEL

	Date	SWL (psi)	+	SWL (ft)
Existing Well / Pre-Alteration				
Completed Well	03-01-2016			329.9

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES

Depth water was first found 772

SWL Date	From	To	Est Flow	SWL (psi)	+	SWL (ft)
02-15-2016	772	865	700			329.9

(11) WELL LOG

Ground Elevation

Material	From	To
See Attached Formation Log	0	883

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Date Started 07-22-2015

Completed 03-15-2016

(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 1523

Date 04-13-2016

Signed

on file

(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 1953

Date 04-13-2016

Signed

on file

Contact Info (optional)

MULT 122597



City of Gresham Test Well #1 Formation Log

From	To	Detailed Description
0	10	Gravel - medium, angular pebbles
10	20	Gravel - medium to coarse, angular to subrounded/ pebbles
20	30	Med/coarse sandy gravel
30	40	Med/coarse, dark sandy gravel
40	50	Coarse sandy, light brown silty clay
50	60	Dark brown, gravelly, sandy, silty clay
60	70	Gravel/cobbles
70	80	Medium brown, clayey/sandy gravel
80	90	Medium brown, clayey silt
90	100	Gravel - medium pebbles
100	110	Gravel - medium pebbles
110	120	Sandy/clayey gravel/cobbles
120	130	Medium brown, silty clay
130	140	Sandy gravel
140	150	Gravel - med./coarse pebbles
150	160	Silty/sandy gravel (med. Pebbles)
160	170	Gravel - medium pebbles
170	180	Coarse sand and gravel/cobbles
180	190	Silty/sandy gravel/cobbles
190	200	Coarse sandy gravel
200	210	Gravel - sub/rounded, coarse pebbles
210	220	Silty, clayey sand
220	230	Sandy gravel
230	240	Gravel - med./coarse sub/angular pebbles
240	250	Cemented cobbles
250	260	Cemented cobbles
260	270	Cemented cobbles
270	280	Cemented cobbles
280	290	Dark grey sand
290	300	Dark gray, sandy gravel (basalt)
300	310	Gravel (basalt and erratics) with some sand
310	320	Gravel (basalt and erratics) with some sand
320	330	Sandy, med./coarse gravel (mostly basalt)
330	340	Sandy, med./coarse gravel (mostly basalt)
340	350	Fine/med. Gravel
350	360	Medium gravel (sub/rounded)
360	370	Med./coarse gravel
370	380	Med./coarse subangular gravel with some sand
380	390	Angular/sub coarse gravel with some sand
390	400	Sandy subrounded gravel
400	410	Sandy, med/coarse gravel
410	420	Sandy, med/coarse gravel
420	430	Sandy, med/coarse gravel
430	440	Sandy, med/coarse gravel

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440	450	Sandy coarse gravel
450	460	Sandy coarse gravel
460	470	Silty, clayey sand with some gravel
470	480	Sandy gravel
480	490	Gravel with some sand
490	500	Dark gray, medium sand
500	510	Dark gray medium and coarse sand
510	520	Dark gray, medium sand with gravel
520	530	Coarse gravel with some sand
530	540	Med/coarse sand and gravel
540	550	Med/coarse gravel with sand
550	560	Sand and gravel
560	570	Sand and gravel
570	580	Med/coarse gravel with sand
580	590	Med/coarse sand with gravel
590	600	Medium to coarse gravel with sand
600	610	Medium to coarse gravel with sand
610	621	Medium to coarse gravel with sand
621	627	Medium/dark brownish-gray silty clay
627	635	Dark yellowish-gray silty clay
635	640	Medium gray, silty micaceous sand
640	650	Light brownish-gray silty clay w/ some mica and Mn-oxides (black spots)
650	660	Bluish gray clay w/ some mica
660	670	Medium yellowish gray silty clay w/ mica
670	680	Medium yellowish gray silty clay w/ mica
680	690	Medium yellowish gray silty clay w/ some mica
690	700	Medium yellowish gray silty clay w/ some mica
700	710	stiff blue gray clay
710	720	stiff blue gray clay with some borwn
720	730	silt and sand, blue gray clay with some brown
730	732	wet blue gray silt with black fine to coarse sand
732	739	silty gray stiff clay
739	749	wet blue gray silt with black sand
749	759	blue gray silt and sand
759	769	wet blue gray silty sand
769	770	Cobbles and Gravel
770	775	Cobbles/gravel with some dark gray silt
775	779	Black, coarse sand with some silt and gravel
779	784	Mostly black (a few pieces of other colored), angular, coarse sand with fine gravel and some silt
784	789	Subangular to rounded gravelly sand; more felsic than above sample
789	794	SAA w/ cobbles
794	818	Dark, sandy gravel with large cobbles
818	834	Gray, fine-medium micaceous sand
834	852	Blue-Gray, fine-medium micaceous sand; finer than above
852	857	Blue-Gray, silty, fine-medium micaceous sand; some gravel
857	872	Blue-Gray, silty, fine-medium micaceous sand; some gravel
872	876	Sandy-silt
876	877	Silty clay with a little gravel
877	883	Black sand with silt

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MULT 122597



FIGURE 1
Test Well #1 Site Location
City of Gresham

LEGEND

- Drilling Location
- Hydrant
- Suggested Security Fence Layout
- Sanitary Sewer Lateral
- Disposal Site
- Mud Pit
- Proposed Trench Layout
- 20' Trench Buffer

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0 50 100 150
Feet



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July 23, 2025

Oregon Water Resources Department
Attn: Kelly Starnes
725 Summer Street NE, Suite A
Salem, Oregon 97301

Subject: Application for Permit Amendment to G-18850

Please find enclosed with this letter an Application for a Permit Amendment, on behalf of the Rockwood Water People's Utility District and the City of Gresham. This Permit Amendment Application is being submitted to add additional Points of Appropriations (APOAs) for municipal water supply.

Also included is an application and fee to have the permit amendment processed under the Reimbursement Authority.

Please do not hesitate to contact me at RCook@gsiws.com with questions about the enclosed Permit Amendment application.

Respectfully submitted,

A handwritten signature in blue ink that reads "Robyn Cook".

Robyn Cook, RG, CWRE
GSI Water Solutions, Inc.

Cc: Kari Duncan – Rockwood Water People's Utility District
Mike Whitely – City of Gresham

Enclosures:

Application for Permit Amendment

Application for Reimbursement Authority

Check No. 56605 in the amount of \$2,250 (for the permit amendment application)

Check No. 56685 in the amount of \$410 (for an additional APOA)

Check No. 56606 in the amount of \$125 (RA Application)