



LETTER OF TRANSMITTAL

To: Lisa Jaramillo, OWRD

Address: 725 Summer Street NE, Suite A
Salem, OR 97301-1266

From: Owen McMurtrey, GSI Water Solutions, Inc
On behalf of Roats Water Systems, Inc

Attachments: See below

Date: March 4, 2026

Date	Description
March 4, 2026	Permit Amendment Application G-18079
	Check for \$3,375

14837 -

Application for Permit Amendment

Part 1 of 4 – 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 4 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 – Completed Applicant Information and Signature.
- Part 4 – Information about Permits to be Amended: **Number of permits to be amended: 1**
List the Permits here: G-18079 (Attachment A)
 Please include a separate Part 4 for each permit. (See instructions on page 6)
- Application Fee** - payable by check to the Oregon Water Resources Department, the online fee calculator is located (**\$3,375**):
https://apps.wrd.state.or.us/apps/wr/wr_transfer_calculator/permit_amendment.aspx
- Attachments:**
- 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 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*) *A draft of the application included Well 10, which is located outside the city boundaries, along with a land use information form signed by Deschutes County. In the final application package, Well 10 has been removed, while Wells 4 and 9 remain included. The City’s review addresses both Well 4 and Well 9, which have been reviewed for land use compatibility.
- 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)).

Revised 7/

(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"/> Land Use Form not enclosed or incomplete <input type="checkbox"/> Additional signature(s) required Other/Explanation _____	<input type="checkbox"/> Map not included or incomplete <input type="checkbox"/> Part _____ is incomplete
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Staff: _____ 503- _____ Date: ____/____/____

Part 2 of 4 – Permit Amendment Map Checklist

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.

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- 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 4 – Applicant Information and Signature

Applicant Information

APPLICANT/BUSINESS NAME Roats Water System Inc. - Attn: Michelle Berg			PHONE NO. (541) 382-3029	ADDITIONAL CONTACT NO.
ADDRESS 61147 Hamilton Lane			FAX NO.	
CITY Bend	STATE OR	ZIP 97702	E-MAIL contact@roatswater.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.				

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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: Owen McMurtrey			PHONE NO. (541) 740-5619	ADDITIONAL CONTACT NO.
ADDRESS 1600 SW Western Blvd., Suite 240			FAX NO.	
CITY Corvallis	STATE OR	ZIP 97333	E-MAIL omcmurtrey@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 two additional points of appropriation (Well 4 and 9) to the permit.
 If you need additional space, continue on a separate piece of paper and attach to the application as "Attachment 1".

Check box if project is fully or partially funded by the American Recovery & 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.

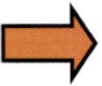
If NO, what are the completion dates of the permit(s)? 10/1/2055

- 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: The Bend Bulletin

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



W.K. Roats
Applicant Signature

W.K. ROATS PRESIDENT 2/26/2026
Print Name (and Title if applicable) Date

Applicant Signature

Print Name (and Title if applicable) Date

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.

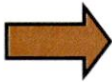
Check the appropriate box, if applicable:

- 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 City of Bend	ADDRESS 710 NW Wall ST	
CITY Bend	STATE OR	CITY Bend

ENTITY NAME Deschutes County Planning	ADDRESS 117 NW Lafayette Avenue	
CITY Bend	STATE OR	CITY Bend

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Part 4 of 4 – Water Use Permit Information

Please use a separate Part 4 for each permit being changed. See instructions on page 6, to copy and paste additional Part 4s, or to add additional rows to tables within the form.

PERMIT # G-18079

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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)
HOLE TEN Well 1	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 5655	18	S	12	E	20	SW	NE	1400	SOUTH 57 DEGREES 51 MINUTES 49 SECONDS WEST, 2673 FEET FROM NE CORNER, SECTION 20
HOLE TEN Well 2	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 5654	18	S	12	E	20	SW	NE	1400	SOUTH 57 DEGREES 51 MINUTES 49 SECONDS WEST, 2673 FEET FROM NE CORNER, SECTION 20
Well 4	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	DESC 5626	18	S	12	E	18	NE	NE	100	55 FEET SOUTH AND 835 FEET WEST FROM NW CORNER, SECTION 17
Well 9	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	DESC 8543	18	S	12	E	7	SE	SE	3100	160 FEET NORTH AND 630 FEET WEST FROM NW CORNER, SECTION 17

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

- Place of Use (POU)
- Point of Diversion (POD)
- Additional Point of Diversion (APOD)
- Point of Appropriation/Well (POA)
- Additional Point of Appropriation (APOA)
- 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:

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.

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-18079

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	Acres (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	Acres (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		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	
												APOA	Roats Water System Inc. Service Area (See map in Attachment B)								HOLE TEN Well 1, HOLE TEN Well 2, Well 4, Well 9	9/1/1994		
TOTAL ACRES											TOTAL ACRES										N/A			

Additional remarks: _____.

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Are there other water rights certificates, water use permits or ground water registrations associated with the "from" or "to" lands? Yes No

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: (Attachment D)

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. (Tip: You may search for well logs on the Department's web page at: http://apps.wrd.state.or.us/apps/gw/well_log/Default.aspx)

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 N/A

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

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Attachment A

Permit G-18079

Application for Permit Amendment - Roats Water System, Inc.

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STATE OF OREGON

COUNTY OF DESCHUTES

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ROATS WATER SYSTEM, INC.
61147 HAMILTON LANE
BEND, OR 97702

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-13809

SOURCE OF WATER: HOLE TEN WELL 1 AND HOLE TEN WELL 2 IN DESCHUTES RIVER BASIN

RATE: 4.16 CUBIC FEET PER SECOND, FURTHER LIMITED TO 1485.0 ACRE-FEET ANNUALLY CONSISTENT WITH THE INCREMENTAL DEVELOPMENT PLAN ON FILE WITH THE DEPARTMENT

DATE OF PRIORITY: SEPTEMBER 1, 1994

USE: QUASI-MUNICIPAL

PERIOD: YEAR-ROUND

Authorized Point of Appropriation:

POA	Twp	Rng	Mer	Sec	Q-Q	Measured Distances
HOLE TEN WELL 1	18 S	12 E	WM	20	SW NE	SOUTH 57 DEGREES 51 MINUTES 49 SECONDS, WEST 2673 FEET FROM NE CORNER, SECTION 20
TEN HOLE WELL 2	18 S	12 E	WM	20	SW NE	SOUTH 57 DEGREES 51 MINUTES 49 SECONDS, WEST 2673 FEET FROM NE CORNER, SECTION 20

Authorized Place of Use:

Twp	Rng	Mer	Sec	Q-Q
18 S	12 E	WM	8	NE SE
18 S	12 E	WM	8	SE SE
18 S	12 E	WM	9	NE NE
18 S	12 E	WM	9	SE NE
18 S	12 E	WM	9	NE SE
18 S	12 E	WM	9	SE SE
18 S	12 E	WM	15	NW NE
18 S	12 E	WM	15	SW NE
18 S	12 E	WM	15	NE SE
18 S	12 E	WM	15	NW SE
18 S	12 E	WM	15	SW SE
18 S	12 E	WM	16	NE NE

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Twp	Rng	Mer	Sec	Q-Q
18 S	12 E	WM	16	NW NE
18 S	12 E	WM	16	SW NE
18 S	12 E	WM	16	SE NE
18 S	12 E	WM	16	NE NW
18 S	12 E	WM	16	NW NW
18 S	12 E	WM	16	SW NW
18 S	12 E	WM	16	SE NW
18 S	12 E	WM	16	NE SW
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18 S	12 E	WM	19	SE NE
18 S	12 E	WM	19	NE SE
18 S	12 E	WM	19	NW SE
18 S	12 E	WM	19	SW SE
18 S	12 E	WM	19	SE SE
18 S	12 E	WM	20	NE NE
18 S	12 E	WM	20	NW NE
18 S	12 E	WM	20	SW NE
18 S	12 E	WM	20	SE NE
18 S	12 E	WM	20	NE NW
18 S	12 E	WM	20	NW NW
18 S	12 E	WM	20	SW NW
18 S	12 E	WM	20	SE NW
18 S	12 E	WM	20	NE SW
18 S	12 E	WM	20	NW SW
18 S	12 E	WM	20	SW SW
18 S	12 E	WM	20	SE SW
18 S	12 E	WM	20	NW SE

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Measurement devices and recording/reporting of annual water use conditions:

- A. Before water use may begin under this permit, the permittee shall install a totalizing flow meter at each point of appropriation. The permittee shall maintain the device in good working order.
- B. The permittee shall allow the watermaster access to the device; provided however, where any device is located within a private structure, the watermaster shall request access upon reasonable notice.
- C. The permittee shall keep a complete record of the volume of water diverted each month, and shall submit a report which includes water-use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the

permittee to report general water-use information, including the place and nature of use of water under the permit.

- D. The Director may provide an opportunity for the permittee to submit alternative measuring and reporting procedures for review and approval.

Static Water Level Conditions:

To monitor the effect of water use from the well(s) authorized under this permit, the Department requires the water user to obtain, from a qualified individual (see below), 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:

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Before Use of Water Takes Place

Initial and Annual Static Water Level Measurements:

The Department requires the permittee to report an initial water-level measurement in the month specified above once well construction is complete, and annually thereafter until use of water begins; and

After Use of Water has Begun

Reference Static Water Level Determination:

Following the first year of water use, the user shall report one static water-level measurement in the month specified above which will establish the reference level against which future annual measurements will be compared. The Director may require the user to obtain and report additional static water levels after the reference level has been determined. 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, registered professional engineer, licensed well constructor 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;
- B. Measure and report water levels to the nearest tenth of a foot as depth-to-water below ground surface;
- C. Specify the method used to obtain each well measurement; and
- D. Certify the accuracy of all measurements and calculations reported to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if any of the following events occur:

- A. Annual water-level measurements reveal an average water-level decline of three or more feet per year for five consecutive years; or

- B. Annual water-level measurements reveal a water-level decline of 15 or more feet in fewer than five consecutive years; or
- C. Annual water-level measurements reveal a water-level decline of 25 or more feet; or
- D. Hydraulic interference leads to a decline of 25 or more feet in any neighboring well with senior priority.

The period of non-use or restricted use shall continue until the water level rises above the decline level which triggered the action or until the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. 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.

Water Management and Conservation Plan Condition:

Within one year of permit issuance, the permittee shall submit a Water Management and Conservation Plan, addressing use under this permit, consistent with OAR 690-086. The time line for submittal of a plan under this permit does not alter the time lines for submittal of a plan under any other order of the Department. No water may be diverted if a Water Management and Conservation Plan is not submitted within one year of permit issuance.

Ground Water Mitigation Conditions:

Mitigation Obligation: 594.0 acre-feet of mitigation water in the General Zone of Impact (located anywhere in the Deschutes Basin above the Madras gage, which is located below Lake Billy Chinook).

Mitigation Source: Mitigation Credits from a chartered mitigation bank, or a suitable replacement within the General Zone of Impact, in accordance with the incremental development plan on file with the Department, meeting the requirements of OAR Chapter 690, Division 505 (Deschutes Ground Water Mitigation Rules) and OAR Chapter 690, Division 522.

The permittee shall provide mitigation during each stage of development under the permit, as described in the incremental development mitigation plan on file with the Department, and in accordance with the standards of the Deschutes Ground Water Mitigation Rules, OAR Chapter 690, Division 505.

The permittee shall not increase the rate or amount of water diverted, as described in the incremental development mitigation plan, prior to increasing the corresponding mitigation.

The permittee shall seek and receive Departmental approval prior to changing the incremental mitigation development plan and related mitigation obligation for each stage of permit development.

The permittee shall report to the Department the progress of implementing the incremental mitigation development plan and related mitigation no later than April 1 of each year. The annual report shall include the annual volume of water used, the source and amount of mitigation, and any offset used for that period. This annual notification is not necessary if the permittee has completed development and submitted a Claim of Beneficial Use to the Department.

Mitigation water must be legally protected instream in the General Zone of Impact for the life of the permit and subsequent certificate(s). Regulation of the use and/or cancellation of the permit, or subsequent certificate(s) will occur if the required mitigation is not maintained.

The permittee shall provide additional mitigation if the Department determines that average annual consumptive use of the subject appropriation has increased beyond the originally mitigated amount.

If mitigation is from a secondary right for stored water from a storage project not owned or operated by the permittee, the use of water under this right is subject to the maintenance and terms and conditions of a valid contract or satisfactory replacement, with the owner/operator of the storage project, a copy of which must be on file in the records of the Water Resources Department.

Failure to comply with these mitigation conditions shall result in the Department regulating the ground water permit, or subsequent certificate(s), proposing to deny any permit extension application for the ground water permit, and proposing to cancel the ground water permit, or subsequent certificate(s).

Scenic Waterway Condition:

Use of water under authority of this permit may be regulated if analysis of data available after the permit is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of the right, or as those quantities may be reduced subsequently. However, the use of ground water allowed under the terms of this permit will not be subject to regulation for Scenic Waterway flows, provided the required mitigation is maintained.

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STANDARD CONDITIONS

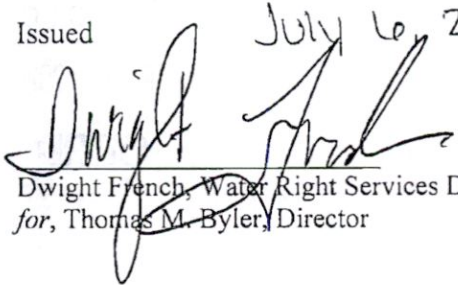
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1. Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.
2. If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may be subject to cancellation, unless the Department authorizes the change in writing.
3. 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 the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.
4. The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.
5. Where two or more water users agree among themselves as to the manner of rotation in the use of water and such agreement is placed in writing and filed by such water users with the watermaster, and such rotation system does not infringe upon such prior rights of any water user not a party to such rotation plan, the watermaster shall distribute the water according to such agreement.

6. Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.
7. This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best-practice technologies or conservation practices to achieve this end.
8. By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged comprehensive land-use plan.
9. Construction of the well shall begin within five years of the date of permit issuance. The deadline to begin construction may not be extended. This permit is subject to cancellation proceedings if the begin construction deadline is missed.
10. Complete application of the water to the use shall be made within five years of permit issuance. If beneficial use of permitted water has not been made before this date, the permittee may submit an application for extension of time, which may be approved based upon the merit of the application.
11. Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner.

Issued

July 6, 2018



Dwight French, Water Right Services Division Administrator
for, Thomas M. Byler, Director

Received
MAR 09 2026
OWRD

Received

MAR 09 2026

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Attachment B

Permit Amendment Application Map

Application for Permit Amendment - Roats Water System, Inc.

Received
MAR 09 2026

OWRD

Attachment C

Land Use Information Form

Application for Permit Amendment – Roats Water System, Inc.

*A draft of the application included Well 10, which is located outside the city boundaries, along with a land use information form signed by Deschutes County. In the final application package, Well 10 has been removed, while Wells 4 and 9 remain included. The City's review addresses both Well 4 and Well 9, which have been reviewed for land use compatibility.

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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MAR 09 2026

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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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MAR 09 2026
OWRD

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

NAME Roats Water System, Inc.			PHONE (541) 382-3029		
MAILING ADDRESS 61147 Hamilton Lane					
CITY Bend	STATE OR	ZIP 97702	EMAIL contact@roatswater.com		

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:
18S	12E	18	NE NE	100	RL (Low Density Residential)	<input checked="" type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	Quasi-Municipal
18S	12E	7	SE SE	3100	RS (Standard Density Residential)	<input checked="" type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	Quasi-Municipal

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

City of Bend, Deschutes County

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: 4.16 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:

<u>Roats Water System, Inc. is proposing to add three additional points of appropriation (Well 4, Well 9 and Well 10) to permit G-18079. Well 10 is located outside the city limits. A separate land use information form is being provided to the Deschutes County for Well 10.</u>
--

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 →

Received
 MAR 09 2026
 OWRD

For Local Government Use Only

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

Please check the appropriate box below and provide the requested information

- Land uses to be served by the proposed water use(s), including proposed construction, are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): For wells 4 & 9 with the City of Bend, Land Use is permitted under Chapter 2.1 RESIDENTIAL DISTRICTS (UAR, RL, RS, RM-10, RM, RH)
- 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.

Any proposed construction in conjunction with diversion, conveyance, or transfer must be reviewed separately under the applicable permit application.

Name: Sheila Pyott Title: Assistant Planner Received
 Signature: _____ Date: 6/25/2025 MAR 19 2026
 Governmental Entity: City of Bend Planning Division Phone: 541-693-2123 OWRD

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: _____

Received
MAR 09 2026
OWRD

Hole Ten Well 1	DESC 5655
Hole Ten Well 2	DESC 5654
Well 4	DESC 5626
Well 9	DESC 8543

Attachment D

Well logs

Application for Permit Amendment - Roats Water System, Inc.

RECEIVED

DESC 5655
5655

18S/12E-20ac

STATE OF OREGON
WATER WELL REPORT

APR 30 1986

(as required by ORS 537.765)

WATER RESOURCES DEPT
SALEM, OREGON

PLEASE TYPE OR PRINT IN INK

(for official use only)

(1) OWNER:

Name Mt High Water System Jan Ward
Address 61045 Brosterhouse Rd
City Bend State Ore

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air Driven
Rotary Mud Dug
Cable Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Thermal
Irrigation Withdrawal Reinjection
Other: community
Piezometric Grounding Test

CASING INSTALLED:

Steel Plastic
Threaded Welded

10" Diam. from + 3 ft. to 488 ft. Gauge .250
" Diam. from ft. to ft. Gauge

LINER INSTALLED:

Steel Plastic
Threaded Welded

" Diam. from ft. to ft. Gauge

(6) PERFORATIONS:

Perforated? Yes No

Size of perforations 1/8 in. by 3 in.
1170 perforations from 425 ft. to 485 ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:

Well screen installed? Yes No

Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No If yes, by whom?
d: _____ gal./min. with _____ ft. drawdown after _____ hrs.
Air test 80 gal./min. with drill stem at 488 ft. 1 hrs.
Bailer test poor gal./min. with _____ ft. drawdown after _____ hrs.
Artesian flow _____ g.p.m.
perature of water 52 Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Special standards: Yes No

Well seal—Material used cement
Well sealed from land surface to 30 ft.
Diameter of well bore to bottom of seal 15 in.
Diameter of well bore below seal 12" 30 to 485-8" 485 to 488
Amount of sealing material 84 cement sacks pounds
How was cement grout placed? pumped from 30 to 0

Was pump installed? no Type _____ HP _____ Depth _____ ft.
Was a drive shoe used? Yes No Plugs _____ Size: location _____ ft.
Did any strata contain unusable water? Yes No
Type of Water? _____ depth of strata _____

Method of sealing strata off _____
Was well gravel packed? Yes No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL by legal description:

County Des SW 4 NE 4 of Section 20 of
Township 18 S, Range 12 E WM.
(Township is North or South) (Range is East or West)
Tax Lot _____ Lot _____ Block _____ Subdivision _____
MAILING ADDRESS OF WELL (or nearest address) Mt High Dev
Bend, Ore

(11) WATER LEVEL of COMPLETED WELL:

Depth at which water was first found 415 ft.
Static level 410 ft. below land surface. Date 4/4/86
Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing 0

Depth drilled 488 ft. Depth of completed well 488 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
brn sand	0	2	
brn congl med	2	5	
tan congl crse	5	25	
gray basalt	25	38	
brn basalt	38	91	
brn congl	91	103	
gray basalt	103	151	
brn ss	151	173	
gray basalt	173	222	
brn congl crse	222	264	
dk gray basalt	264	279	
brn sand med bldrs	279	304	
dk gray basalt	304	325	
tan congl fine	325	336	
brn ss	336	357	
brn congl	357	403	
tan claystone	403	415	410
redish gray congl (WB)	415	439	
gray basalt brn ves basalt (WB)	439	458	
tan congl (fine gravel) (WB)	458	464	
gray basalt (WB)	464	488	
Date work started <u>2/28/86</u> /completed <u>4/4/86</u>			
Date well drilling machine moved off of well <u>4/4</u> 19 <u>86</u>			

(unbonded) Water Well Constructor Certification (if applicable):

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Micky D. Williams Date 4/7, 19 86

(bonded) Water Well Constructor Certification:

Bond 468400 Issued by: U.S.F. & G.
(number) (Surety Company Name)

On behalf of John V. Johnson
(type or print name of Water Well Constructor)

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief:

(Signed) John V. Johnson
(Water Well Constructor)
(Dated) 4/7/86

NOTICE TO WATER WELL CONSTRUCTOR

The original and first copy of this report are to be filed with the

WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion.

SP*46866-690

14837 -

RECEIVED DESC
57054
JUN 30 1987

183/10E - 20ad

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

(1) OWNER: WATER RESOURCES DEPT.
Name Mt High Water Systems SALEM, OREGON
Address 61045 Brosterhouse Rd.
City Bend State Ore Zip 97701

(2) TYPE OF WORK:
 New Well Deepen Recondition Abandon

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Other

BORE HOLE CONSTRUCTION:

Depth of Completed Well 502 ft.
Special Standards date of approval _____

HOLE		SEAL		Amount	
Diameter	From To	Material	From To	sacks or pounds	
15"	0 30	cem	0 30	75 sacks	
12"	30 502				

How was seal placed? Method A B C D E
 Other _____
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
10"	+2	502	.250	<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"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Liner: _____

(7) PERFORATIONS/SCREENS:

Perforations Method machine
 Screens Type _____ Material _____

n	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
442	502	1/8 by 3	1140			<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"/>

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

Pump Bailer Air Flowing Artesian

Yield gal/min To be test pumped at later date Pumping level _____ Drill stem at _____ Time 1 hr

Temperature of water 53 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 _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Des Latitude _____ Longitude _____
Township 18 S N or S, Range 12 E E or W, WM.
Section 20 SE 1/4 NE 1/4
Tax Lot _____ Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) _____

(10) STATIC WATER LEVEL:
412 ft. below land surface. Date 6/9/87
Artesian pressure _____ lb. per square inch. Date _____

(11) WELL LOG: Ground elevation _____

Material	From	To	WB?	SWL
brn soil	0	2		
crs congl brn	2	21		
gray basalt	21	40		
brn vesicular basalt	40	45		
brn basalt	45	94		
brnsh gray cinders	94	102		
gray basalt	102	130		
brkn rubble zone	139	132		
brn congl med	132	145		
brn congl fine	145	159		
gray vesicular basalt	159	168		
brn ss congl crse	168	199		
gray basalt	199	215		
redish gray cinders	215	218		
gray basalt-intermitt	218	282		
(ent fractures)				
brn congl crse	282	302		
gray basalt	302	318		
brn ss congl	318	324		
gray basalt	324	335		
brn ss	335	354		
brn congl w/tan clay-	354	403		
(strips)				
red cindery rubble	403	419	WB	412
dk gray basalt	419	430		
redish gray cinders	430	438	WB	
gray basalt	438	460		
red cinders	460	465	WB	
brkn gray basalt	465	483	WB	
redish gray cindery	483	496	WB	
(cong)	483	496	WB	
med gravel	496	502	WB	

Date started 5/29/87 Completed 6/9/87

(unbonded) Water Well Constructor Certification:
I constructed this well in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
Signed [Signature] Date 6/16/87

(bonded) Water Well Constructor Certification:
I accept responsibility for construction of this well and its compliance with all Oregon water well standards. This report is true to the best of my knowledge and belief.
Signed [Signature] Date 6/16/87
Company Johnson Well Drilling Co. Job No. _____

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

DESC
 51626

RECEIVED

DEC 14 1987

18S/12E-18aa

(1) OWNER:

Name Roats Water Co.
 Address 61147 Hamilton Ln.
 City Bend, State OR Zip 97702

(9) LOCATION OF WELL by legal description:

County Des. Latitude _____ Longitude _____
 Township 18 N or S, Range 12 E or W, WM. _____
 Section 18 NE $\frac{1}{4}$ NE $\frac{1}{4}$
 Tax Lot _____ Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) _____

(2) TYPE OF WORK:

New Well Deepen Recondition Abandon

(3) DRILL METHOD

Rotary Air Rotary Mud Cable
 Other _____

(4) PROPOSED USE:

Domestic Community Industrial Irrigation
 Thermal Injection Other _____

BORE HOLE CONSTRUCTION:

Special Construction approval Yes No Depth of Completed Well 80 ft.
 Explosives used Yes No Type Dynamite Amount 1/4 stick
 (used in fish job)

HOLE		SEAL		Amount	
Depth	From	To	Material	From	To
12"	0	80	cem.	-4	30
8"	160	450	cem.	70	80

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

Backfill placed from 30 ft. to 70 ft. Material impermeable
 gravel placed from 405 ft. to 450 ft. Material cuttings

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
12	2	80	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>

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

Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
(UNKNOWN DUE TO CIRCULATION).	LACK OF		1 hr.

Temperature of water _____ 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 _____

Depth of strata: _____

(10) STATIC WATER LEVEL:

405 ft. below land surface. Date _____
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 405

From	To	Estimated Flow Rate	SWL
405	450	Unknown	405

SWL determined by air pressure gauge test.

(12) WELL LOG:

Ground elevation _____

Material	From	To	SWL
Pumice & Sand	0	4	
Boulders & Broken Lava	4	15	
Grey Basalt	15	35	
Broken Grey Lava	35	69	
Grey Basalt	69	109	
Broken Grey Lava	109	160	
Fracture - loss of circulation	160	450	405

Hole was cemented back to a depth of 80 ft. to seal loose fractured material.

Received

MAR 09 2026

OWRD

Workover rig was moved from job site without

Date started 5/22/87 Completed my knowledge.

(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 well construction standards. Materials used and information reported above are true to my best knowledge and belief.

Signed John R Brockett WWC Number 1371
 Date Dec 9/87

(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 well construction standards. This report is true to the best of my knowledge and belief.

Signed John R Brockett WWC Number 1371
 Date Dec 9/87

id 12-3-87 SMS (TL100)

STATE OF OREGON

WATER WELL REPORT
(as required by ORS 537.765)

DESC

RECEIVED

(1) OWNER: Well Number: _____

Name Roats Water Co.
Address 61147 Hamilton Ln.
City Bend, State OR Zip 97701

(2) TYPE OF WORK:
 New Well Deepen Recondition Abandon

(3) DRILL METHOD
 Rotary Air Rotary Mud Cable
 Other _____

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Injection Other _____

BORE HOLE CONSTRUCTION:
Construction approval Yes No Depth of Completed Well 80 ft.
Explosives used Yes No Type Dynamite Amount 1 1/4 stick
(used in fish job)
SEAL
Diameter From To Material From To Amount
12" 0 80 cem. -4 30 49
8" 160 450 cem. 70 80 20

How was seal placed: Method A B C D E
 Other _____
Backfill placed from 30 ft. to 70 ft. Material impermeable
Gravel placed from 405 ft. to 450 ft. Size of gravel cuttings

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 12	2	80	250	<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"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(7) PERFORATIONS/SCREENS:

To	Slot size	Number	Diameter	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
 Pump Bailor Air Flowing Artesian
Yield gal/min _____ Drawdown _____ Drill stem at _____ Time _____
(UNKNOWN DUE TO LACK OF CIRCULATION). 1 hr.

Temperature of water _____ 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 _____
Depth of strata: _____

LOCATION OF WELL by legal description:
County Des. Latitude _____ Longitude _____
N or S, Range 12 E or W, WM. _____
Section 18 NE 1/4 NE 1/4
Tax Lot _____ Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) _____

(10) STATIC WATER LEVEL:
405 ft. below land surface. Date _____
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 405

From	To	Estimated Flow Rate	SWL
405	450	Unknown	405

SWL determined by air pressure gauge test.

(12) WELL LOG: Ground elevation _____

Material	From	To	SWL
Pumice & Sand	0	4	
Boulders & Broken Lava	4	15	
Grey Basalt	15	35	
broken Grey Lava	35	69	
Grey Basalt	69	109	
Broken Grey Lava	109	160	
Fracture - loss of circulation	160	450	405
Hole was cemented back to a depth of 80 ft. to seal loose fractured material.			

Received
MAR 09 2026
OWRD
Workover rig was moved from job site without my knowledge.
Date started 5/22/87 Completed _____

(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 well construction standards. Materials used and information reported above are true to my best knowledge and belief.
Signed John R Brockett WWC Number 1371
Date Dec 9/87

(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 well construction standards. This report is true to the best of my knowledge and belief.
Signed John R Brockett WWC Number 1371
Date Dec 9/87

RECEIVED

DBX 8343

18s/12e/7dd

STATE OF OREGON WATER WELL REPORT (as required by ORS 537.765) WATER RESOURCES DEPT. SALEM, OREGON

SEP 22 1993

(START CARD) # 53949 labeled

(1) OWNER: Well Number _____ Name Roats Water System Address 61147 Hamilton Lane City Bend State Ore Zip 97702

(2) TYPE OF WORK: [X] New Well [] Deepen [] Recondition [] Abandon

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

(4) PROPOSED USE: [X] Domestic [X] Community [] Industrial [] Irrigation [] Thermal [] Injection [] Other

(5) BORE HOLE CONSTRUCTION: Special Construction approval [] Yes [X] No Depth of Completed Well 500 ft. Explosives used [] Yes [X] No Type _____ Amount _____

Table with columns: HOLE Diameter, From, To, Material, SEAL From, To, Amount sacks or pounds. Row 1: 14", 0, 120, cement, 120, 0, 102 sacks. Row 2: 12", 120, 500.

How was seal placed: Method [] A [] B [X] C [] D [] E [] Other

Backfill placed from _____ ft. to _____ ft. Material _____ Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER: Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Casing: 10", +1, 500, .250, [X], [], [X], [].

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS: [X] Perforations Method machine [] Screens Type _____ Material _____

Table with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner. Row 1: 460, 500, 1/8 by 3, -1520, [X], [].

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

Table with columns: Pump, Bailer, Air, Flowing Artesian, Yield gal/min, Drawdown, Drill stem at, Time. Row 1: [], [], [], [], to be test pumped, 1 hr.

Temperature of Water 51 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 _____ Depth of strata: _____

(9) LOCATION OF WELL by legal description: County Des Latitude _____ Longitude _____ Township 18 S N or S. Range 12 E E or W. WM. Section 7 SE 1/4 SE 1/4 Tax Lot 1300 Lot _____ Block _____ Subdivision _____ Street Address of Well (or nearest address) _____

Corner Brookwood Blvd & Pine Brook

(10) STATIC WATER LEVEL: 386 ft. below land surface. Date 9-3-93 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES: Depth at which water was first found 382

Table with columns: From, To, Estimated Flow Rate, SWL. Row 1: 382, 500, Received, 386. Date: MAR 09 2026

(12) WELL LOG: Ground elevation OWRD

Table with columns: Material, From, To, SWL. Rows: brn soil brkn rock (0-10), gray ves basalt (10-21), brn basalt (21-32), gray basalt (32-90), L C brkn hd (90-107), L C hd (6 yds cem) (107-120), gray basalt (120-148), redish clayey congl (148-169), brn ss (169-176), gray basalt (176-180), L C hd (3 yds cem) (180-225), L C fine (2 yds cem) (225-258), gray basalt (258-310), red tuff (310-351), L C hd brkn (351-382), L C mild (WB) (382-445), L C med (WB) (445-480), L C med brkn (WB) (480-500).

Date started 8-18-93 Completed 9-3-93

(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 well construction standards. Materials used and information reported above are true to my best knowledge and belief. Signed [Signature] WWC Number 1575 Date 9-14-93

(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 well construction standards. This report is true to the best of my knowledge and belief. Signed [Signature] WWC Number 595 Date 9-14-93

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