



Oregon Water Resources Department
Ground Water Application

- [Main](#)
- [Help](#)
- [Return](#)
- [Contact Us](#)

Today's Date: Wednesday, March 13, 2019

Base Application Fee.		\$1,340.00
Number of proposed cubic feet per second (cfs) to be appropriated. (1 cfs = 448.83 gallons per minute)	0.018	\$350.00
Number of proposed Use's for the appropriated water. (i.e. Irrigation, Supplemental Irrigation, Pond Maintenance, Industrial, Commercial, etc) *	1	
Number of proposed Ground Water points of appropriation. (i.e. number of wells) (include all injection wells, if applicable) **	1	
Permit Recording Fee. ***		\$520.00
* the 1st Water Use is included in the base cost. ** the 1st Ground Water point of appropriation is included in the base cost. *** the Permit Recording Fee is not required when the application is submitted but, must be paid before a permit will be issued. It is fully refundable if a permit is not issued. If the recording fee is not paid prior to issuance of the Final Order, permit issuance will be delayed.	Recalculate	
Estimated cost of Permit Application		\$2,210.00

OWRD Fee Schedule

Fee Calculator Version B20170117

G-18799



March 6, 2019

Alyssa Mucken
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301

Re: Application for a Permit to Appropriate Groundwater in the name of Oregon Department of Transportation (Brothers Oasis Maintenance Station)

Dear Ms. Mucken:

Please find enclosed a permit application filed on behalf of the Oregon Department of Transportation (ODOT) requesting authorization to appropriate groundwater at Brothers Oasis Maintenance Station in the Deschutes River Basin. ODOT is requesting to appropriate groundwater at a rate of up to 0.018 cfs for irrigation of 1.4 acres.

Enclosed is the required application fee of \$2,210, which was calculated as follows:

\$1,340—Base Fee
\$ 350—Rate Fee of \$350 for a rate of less than 1 cfs
\$ 520—Permit Recording Fee

Total = \$2,210

If you have any questions about the enclosed materials, please contact me at 541-257-9004.

Sincerely,

A handwritten signature in blue ink that reads "Kimberly Grigsby".

Kimberly Grigsby
Supervising Water Resources Consultant

Enclosures: Groundwater application
Check for application fee in the amount of \$2,210

RECEIVED
MAR 11 2019
OWRD

Application for a Permit to Use
Groundwater

RECEIVED
MAR 1 1 2019
OWRD



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

SECTION 1: APPLICANT INFORMATION AND SIGNATURE

Applicant

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

Organization

NAME Oregon Department of Transportation Attn: Katie Hubler		PHONE 503-986-5788	FAX
ADDRESS 200 Hawthorne Ave SE, Suite B240			CELL
CITY Salem	STATE OR	ZIP 97301	E-MAIL*

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

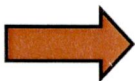
AGENT / BUSINESS NAME GSI Water Solutions, Attn: Kim Grigsby		PHONE 541-257-9004	FAX
ADDRESS 1600 SW Western Blvd, Suite 240			CELL
CITY Corvallis	STATE OR	ZIP 97333	E-MAIL* kgrigsby@gsiws.com

Note: Attach multiple copies as needed

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

By my signature below I confirm that I understand:

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



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

Katie K Hubler
Applicant Signature

Katie Hubler,
Facilities Contracts & Environmental Liaison
Print Name and Title if applicable

12-12-2018
Date

Applicant Signature

Print Name and Title if applicable

Date

SECTION 2: PROPERTY OWNERSHIP

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

RECEIVED

MAR 11 2019

OWRD

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

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

N/A

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

See Attachment A.

SECTION 3: WELL DEVELOPMENT

WELL NO.	NAME OF NEAREST SURFACE WATER	IF LESS THAN 1 MILE:	
		DISTANCE TO NEAREST SURFACE WATER	ELEVATION CHANGE BETWEEN NEAREST SURFACE WATER AND WELL HEAD
Brothers Oasis Well 1	Dry River	N/A - More than 1 mile	

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

The well log for Brothers Oasis Well 1 (DESC 56245) is included in Attachment B.

SECTION 3: WELL DEVELOPMENT, continued

Total maximum rate requested: 0.018 CFS (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below).

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

OWNER'S WELL NAME OR NO.	PROPOSED	EXISTING	WELL ID (WELL TAG) NO * OR WELL LOG ID**	FLOWING ARTESIAN	CASING DIAMETER	CASING INTERVALS (IN FEET)	PERFORATED OR SCREENED INTERVALS (IN FEET)	SEAL INTERVALS (IN FEET)	MOST RECENT STATIC WATER LEVEL & DATE (IN FEET)	PROPOSED USE			
										SOURCE AQUIFER***	TOTAL WELL DEPTH	WELL-SPECIFIC RATE (GPM)	ANNUAL VOLUME (ACRE-FEET)
Brothers Oasis Well 1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L-70682	<input type="checkbox"/>	8 IN. 6 IN.	2 TO 38 +6 TO 532	492 TO 532	0 TO 38	415 (8/18/2004)	BASALT & CONGLOMERATE	532 FT	8	4.2
	<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"/>									

* Licensed drillers are required to attach a Department-supplied Well Tag, with a unique Well ID or Well Tag Number to all new or newly altered wells. Landowners can request a Well ID for existing wells that do not have one. The Well ID is intended to serve as a unique identification number for each well.
 ** A well log ID (e.g. MARI 1234) is assigned by the Department to each log in the agency's well log database. A separate well log is required for each subsequent alteration of the well.
 *** Source aquifer examples: Troutdale Formation, gravel and sand, alluvium, basalt, bedrock, etc.

RECEIVED
 MAR 11 2019
 OWRD

For Department Use: App. Number: A-18799

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

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

To answer the following questions, use the map provided in [Attachment 3](#) or the link below to determine whether the proposed point of appropriation (POA) is located in an area where the Upper Columbia, the Lower Columbia, and/or the Statewide public interest rules apply.

For more detailed information, click on the following link and enter the TRSQQ or the Lat/Long of a POA and click on "Submit" to retrieve a report that will show which section, if any, of the rules apply:
https://apps.wrd.state.or.us/apps/misc/lkp_trsqq_features/

If you need help to determine in which area the proposed POA is located, please call the customer service desk at (503) 986-0801.

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

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

Yes No

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

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

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

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

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

Yes No

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

For Department Use: App. Number: A-18799

RECEIVED

MAR 11 2019

OWRD

appropriate, whether the proposed use is detrimental to the protection or recovery of a threatened or endangered fish species and whether the use can be conditioned or mitigated to avoid the detriment.

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

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

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

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

N/A

Statewide - OAR 690-033-0330 thru -0340

RECEIVED

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

MAR 1 1 2019

Yes No

OWRD

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

SECTION 5: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
Irrigation	April 1 to October 31	Up to 4.2

For irrigation use only:

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

Primary: 1.4 Acres Supplemental: 0 Acres

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

N/A

Indicate the maximum total number of acre-feet you expect to use in an irrigation season: Up to 4.2 acre-feet

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

SECTION 6: WATER MANAGEMENT**A. Diversion and Conveyance**

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

- Pump (give horsepower and type): **Brothers Oasis Well 1: submersible, 3 phase, 15hp, 230 volts**
 Other means (describe): _____

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water. **Groundwater is pumped from Brothers Oasis Well 1 with a 15hp submersible pump and conveyed into an underground 3-inch schedule 40 PVC pipeline that connects to a 3/4-inch gear sprinkler system.**

B. Application Method

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

Water will be applied with 3/4-inch gear drive sprinklers.

C. Conservation

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

Up to 4.2 acre-feet will be required in this arid environment to irrigate small areas of lawn and garden around the residences of maintenance employees at the Brothers Oasis Maintenance Station. A meter will be installed onto the Brothers Oasis Well 1. Water use will be annually reported to OWRD. The proposed place or use is free of industrial/manufacturing activity and there are no nearby surface water of riparian areas, so contaminated run-off or damage to aquatic or riparian habitat is not expected to occur.

SECTION 7: PROJECT SCHEDULE

- a) Date construction will begin: Within 5 years of permit issuance
 b) Date construction will be completed: Within 5 years of permit issuance
 c) Date beneficial water use will begin: Within 5 years of permit issuance

SECTION 8: RESOURCE PROTECTION

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

- Water quality will be protected by preventing erosion and run-off of waste or chemical products.
 Describe: **Water will not be applied at rate that will result in run-off or erosion. There are no nearby surface water or riparian areas.**
- **N/A** Excavation or clearing of banks will be kept to a minimum to protect riparian or streamside areas.
Note: If disturbed area is greater than one acre, applicant should contact the Oregon Department of Environmental Quality to determine if a 1200C permit is required.
 Describe planned actions and additional permits required for project implementation: **N/A - No excavation planned**

RECEIVED

MAR 11 2019

OWRD

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

SECTION 9: WITHIN A DISTRICT

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

Irrigation District Name N/A	Address	
City	State	Zip

SECTION 10: REMARKS

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

Minimum Requirements Checklist

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

Include this checklist with the application

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

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

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

RECEIVED

MAR 11 2019

OWRD

Include the following additional items:

- Land Use Information Form with approval and signature of local planning department (*must be an original*) or signed receipt. **(See Attachment C)**
 - Provide the legal description of: (1) the property from which the water is to be diverted, (2) any property crossed by the proposed ditch, canal or other work, and (3) any property on which the water is to be used as depicted on the map. **(See Attachment A)**
 - Fees - Amount enclosed: \$ 2,210.00
See the Department's Fee Schedule at www.oregon.gov/owrd or call (503) 986-0900.
 - Map that includes the following items:
 - Permanent quality and drawn in ink
 - Even map scale not less than 4" = 1 mile (example: 1" = 400 ft, 1" = 1320 ft, etc.)
 - North Directional Symbol
 - Township, Range, Section, Quarter/Quarter, Tax Lots
 - Reference corner on map
 - Location of each diversion, by reference to a recognized public land survey corner (distances north/south and east/west)
 - Indicate the area of use by Quarter/Quarter and tax lot identified clearly.
 - Number of acres per Quarter/Quarter and hatching to indicate area of use if for primary irrigation, supplemental irrigation, or nursery
 - Location of main canals, ditches, pipelines or flumes (if well is outside of the area of use)
- (See Attachment D)**

Note: In addition to a groundwater application, a standard reservoir application is required to store groundwater in a reservoir. If an applicant proposes to divert water from a reservoir, a surface water application is also required.

RECEIVED

MAR 11 2019

OWRD

Attachment A

Property Legal Description

Groundwater Permit Application – ODOT: Brothers Oasis Maintenance Station

G-18799

Land Use Information Form



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

NOTE TO APPLICANTS

In order for your application to be processed by the Water Resources Department (WRD), this Land Use Information Form must be completed by a local government planning official in the jurisdiction(s) where your water right will be used and developed. The planning official may choose to complete the form while you wait, or return the receipt stub to you. Applications received by WRD without the Land Use Form or the receipt stub will be returned to you. Please be aware that your application will not be approved without land use approval.

This form is NOT required if:

- 1) Water is to be diverted, conveyed, and/or used only on federal lands; **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 or modifying a water right. The Water Resources Department (WRD) requires its applicants to obtain land-use information to be sure the water rights do not result in land uses that are incompatible with your comprehensive plan. Please complete the form or detach the receipt stub and return it to the applicant for inclusion in their water right application. You will receive notice once the applicant formally submits his or her request to the WRD. The notice will give more information about WRD's water rights process and provide additional comment opportunities. You will have 30 days from the date of the notice to complete the land-use form and return it to the WRD. If no land-use information is received from you within that 30-day period, the WRD may presume the land use associated with the proposed water right is compatible with your comprehensive plan. Your attention to this request for information is greatly appreciated by the Water Resources Department. If you have any questions concerning this form, please contact the WRD's Customer Service Group at 503-986-0801.

RECEIVED

MAR 11 2019

OWRD

WR / FS

Land Use Information Form



Oregon Water Resources Department
 725 Summer Street NE, Suite A
 Salem, Oregon 97301-1266
 (503) 986-0900
 www.wrd.state.or.us

RECEIVED

MAR 11 2019

OWRD

Applicant(s): Oregon Department of Transportation, Attn: Katie Hubler

Mailing Address: 200 Hawthorne Ave SE, Suite B240

City: Salem

State: OR

Zip Code: 97301

Daytime Phone: 503-986-5788

A. Land and Location

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

Township	Range	Section	¼ ¼	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:			Proposed Land Use:
<u>20 S</u>	<u>18 E</u>	<u>30</u>	<u>NENE</u>	<u>3199</u>	<u>OSC, RC</u>	<input checked="" type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	<u>Irrigation</u>
_____	_____	_____	_____	_____	_____	<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used	_____
_____	_____	_____	_____	_____	_____	<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used	_____
_____	_____	_____	_____	_____	_____	<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used	_____

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

Deschutes County, OR

B. Description of Proposed Use

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

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

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

Estimated quantity of water needed: 0.0175 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 pump groundwater from an existing well to irrigate an area of approximately 1.4 acres near an ODOT maintenances station and staff residences on U.S. Highway 20 near Brothers, OR.

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

See bottom of Page 3. →

A-18799

For Local Government Use Only

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

Please check the appropriate box below and provide the requested information

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

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

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

Agricultural uses, including irrigation activities, are allowed as an outright use in the Rural Service Center Zones (RSC - Commercial/Mixed Use District, RSC - Open Space)

Name: Kyle Collins Title: Assistant Planner
 Signature: [Signature] Phone: 541-383-4427 Date: 1/4/2019
 Government Entity: Deschutes County

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



Receipt for Request for Land Use Information

Applicant name: _____
 City or County: _____ Staff contact: _____
 Signature: _____ Phone: _____ Date: _____

A-18799

RECEIVED

MAR 11 2019

OWRD

Application for a Groundwater Permit in the Name of Oregon Department of Transportation for Brothers Oasis Station

Proposed Point of Appropriation and Place of Use

Township 20 South, Range 18 East (W.M.)



DocumentPath: Y:\0465 - 0D\GIS\Source - Figures\top - statewide - WRS\GIS - Permit - App - Brothers.mxd

LEGEND

- ⊙ Proposed Point of Appropriation (POA)
- Water Control Building
- - - Pipeline
- ▨ Proposed Place of Use (POU)
- ⊕ Tax Lot

DISCLAIMER

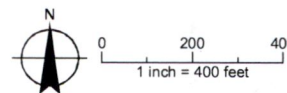
This map was prepared for the purpose of identifying the location of a water right only and it is not intended to provide legal dimensions or location of property ownership lines.

MAP NOTES

Date: December 11, 2018
Data Sources: BLM, ESRI, Deschutes Co.

POA LOCATION DESCRIPTION

Proposed Point of Appropriation
Located 328 feet South and 459 feet West from the NE corner of Section 30, Township 20 South, Range 18 East (W.M.)



A-18799

RECEIVED
MAR 11 2019
OWRD

20	18		3199		15-1	OFFICIAL RECORD OF DESCRIPTIONS OF REAL PROPERTY DESCHUTES COUNTY ASSESSOR'S OFFICE		
TWP. S. RGE. E.	SEC. 1/4 1/16	TAX LOT NUMBER	TYPE	SPEC. INT. IN REAL PROP.	CODE AREA NUMBER	20	18	
ACCOUNT NUMBER						SECTION	TOWNSHIP S.	RANGE E.

LOT NO.	BLOCK NO.	ADDITION	DATE OF ENTRY ON THIS CARD	DEED RECORD VOL.	DEED RECORD PG.	ACRES REMAINING
		A parcel of land ly in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Sec. 20, the NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 29 & in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Sec. 30, T20S R18E, Desc Co. & being a portion of the fol desc prop: That tr. of land which was conveyed by that certain deed to Jacob Settlemeyer recorded in Bk 52, Pg 36 & Bk 54, Pg 352 of Desc. Co. Record of Deeds. The sd parcel being desc as fol: Bg at the SW cor. of sd Sec. 20, which cor. is marked by a steel bar; th N alg the W line of sd Sec. 20, a dist of 221.4 ft.; th S 69° 26' E par to & 660 ft. dist Nly from the ctr line of the Central Oregon Hwy a dist of 529.3 ft.; th S 20° 34' W a dist of 660 ft. to the ctr line of the Central Oregon Hwy at Engineer's Station 2238.45; th Continuing S 20° 34' W a dist of 660 ft.; th N 69° 26' W par to sd Hwy ctr line a dist of 1320 ft.; th N 20° 34' E a dist of 660 ft. to the ctr line of the Central Oregon Hwy at Engineer's Station 2225.25; th Continuing N 20° 34' E a dist of 102.7 ft. to the N line of sd Sec. 30; th N 88° 37' E alg the N line of sd Sec. 30 a dist of 936.3 ft. to the pob. ALSO: Bg at SE cor of Sec 19; th N along Sec line 221.4'; th N 69° 26' W 790.7'; th S 20° 34' W 557.3'; th N 88° 37' E 936.3' to POB				57 39 32.56
		W.D. 5-20-76	56	245	38.46	
		Ref B&S 3-2-92	258	337		

RECEIVED

MAR 11 2019

OWRD

Attachment B

Well Log DESC 56245

Groundwater Permit Application – ODOT: Brothers Oasis Maintenance Station

G-18799

STATE OF OREGON
Water Supply Well Report

(as required by ORS 537.765)

DESC 56245

DESC

Received Date: 08-31-2004

Well ID Tag # L 70682

Start Card # 167159

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

(1) Owner Well Number: _____
 Name: _____
 DEPARTMENT OF TRANSPORTATION
 Street: PO BOX 5309
 City: BEND State: OR Zip Code: 97701

(9) Location of Hole by legal description
 County: DESC Latitude: 43°48'48" Longitude: 120°35'57"
 Township: 20.00 S Range: 18.00 E
 Section: 30 NENE Lot: _____ Block: _____
 Tax Lot: 3199 Subdivision: _____
 Street Address of Well (or nearest address):
 3440 EAST HWY 20 BROTHERS
 MAP, with location identified, must be attached.

RECEIVED
 MAR 11 2019

(2) Type of Work
 New Alter (Recondition) Alter (Repair)
 Deepening Abandonment

(3) Drill Method
 Rotary Air Rotary Mud Cable Auger
 Other: _____

(10) Static Water Level
 Feet below land surface: 415.0 Date: 08 / 18 / 2004
 Artesian Pressure: _____ Date: _____

OWRD

(4) Proposed Use
 Domestic Community Industrial Irrigation Injection
 Livestock Thermal Other: _____

(11) Water Bearing Zones
 Depth at which water was first found: 400.00 ft.

From	To	est Flow	swl
400.00	532.00	40.00	415

(5) Bore Hole Construction
 Special Standards: Depth of completed well: 532.00 ft.
 Explosives Used: Amount: _____ Type: _____

Hole			Seal			
Diameter	From	To	Mtrl	From	To	Sacks/lbs
12.00	0.00	38.00	BC	0.00	38.00	28
8.00	38.00	532.00				

How was seal placed? _____ Other: POURED DRY
 Back fill placed from: _____ Material: _____
 Filter pack from: _____ Size: _____

(12) Well Log Ground Elevation: 4640 ft.

Material	From	To	swl
SAND PUMICE	0.00	3.00	
LAVA CLAY SEAMS RED	3.00	25.00	
LAVA GRAY HARD	25.00	50.00	
LAVA RED	50.00	62.00	
CLAY RED	62.00	68.00	
CONGLOMERATE BROWN	68.00	77.00	
LAVA GRAY	77.00	82.00	
LAVA BROWN	82.00	86.00	
CREVICE NO RETURNS	86.00	92.00	
HARD	92.00	185.00	
CREVICE	185.00	188.00	
SOFT HARD LAYERS	188.00	230.00	
CONGLOMERATE	230.00	272.00	
BASALT CLAY SEAMS	272.00	360.00	
CONGLOMERATE BROWN	360.00	376.00	
BASALT LAVA LAYERS	376.00	460.00	415
CONGLOMERATE	460.00	495.00	415
LAVA FRACTURED	495.00	532.00	415
4 1/2 YRDS SAND GROUT	82.00	225.00	

(6) Casing / Liner

Csng/ Liner	Diameter	From	To	Gauge	Mtrl	Weld	Shoe at	Shoe used
C	8.00	2.00	38.00	.250	S	X		
L	6.00	-6.00	532.00	.188	S	X		

(7) Perforation / Screens
 Perforations:

Mtrl	From	To	Width	Height	#Slots	Dia.	t/pSize	Csng/ Lnr	Method
S	492.00	532.00	0.13	3.00	432	6.00		L	MACHINE

 Screens:

Mtrl	From	To	S Size	#Slots	Dia.	t/pSize	Type	Gauge

(8) Well Tests (Minimum testing time is one hour)

Type	Yield	Units	Drawdown	Stem at	Duration
A	40.00	G		530.00	2.00
P	165.00	G	2.00		6.00

Temperature of Water: 70 F
 Was water analysis done? Depth of artesian flow: _____
 by whom? _____
 Did any strata contain water unsuitable for use? Too Little Salty
 Muddy Odor Colored other: _____
 Depth of strata: _____

Date Started: 08 / 16 / 2004 Date Completed: 08 / 18 / 2004
(unbonded) Water Well Constructor Certification:
 I certify that the work I perform 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 the best knowledge and belief.
 Signed by: THOMAS R PECK WWC #: 758
(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 by: JACK ABBAS WWC #: 1720

4-18799

RECEIVED

MAR 11 2019

OWRD

Attachment C

Land Use Information Form

Groundwater Permit Application – ODOT: Brothers Oasis Maintenance Station

G-18799

RECEIVED

MAR 11 2019

OWRD

Attachment D
Application Map

Groundwater Permit Application – ODOT: Brothers Oasis Maintenance Station

A-18199