Application for a Permit to Use

Groundwater

OREGON WATER RESOURCES DEPARTMENT

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

SECTION 1: APPLICANT INFORMATION AND SIGNATURE

Applicant

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

Organization

NAME CITY OF PRINEVILLE ATTN: ERIC KLANN			PHONE 541 447 5627	FAX
ADDRESS 387 NE 3RD STREET				CELL
CITY PRINEVILLE	STATE OR	ZIP 97754	E-MAIL* EKLANN@CITYOFPRINEVILLE.COM	

Agent – 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 541 257 9005	FAX
ADDRESS 1600 SW WESTERN BOULEVARD, SUITE 240				CELL
CITY CORVALLIS	STATE OR	ZIP 97333	E-MAIL* OMCMURTREY@GSIWS.COM	

Note: Attach multiple copies as needed

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

By my signature below I confirm that I understand:

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

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

Applicant Signature	Print Name and Title if applicable	Date
Eric Klann	Eric Klann, City Engineer and Public Works Director	3/1/2022

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For Department Use: App. Number: _____

SECTION 2: PROPERTY OWNERSHIP

Please indicate if you own all the lands associated with the project from which the water is to be diverted, conveyed, and used.
N/A – The applicant is a public corporation.

☐ 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. **See Attachment B for Well Access Agreement for property where proposed points of appropriation are located.**
☐ NO, I do not currently have written authorization or easement permitting access.
☐ NO, written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigation and/or domestic use only (ORS 274.040).
☐ NO, because water is to be diverted, conveyed, and/or used only on federal lands.

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

N/A – The applicant is a public corporation.

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

N/A – The applicant is a public corporation. See Attachment C for legal description of property where proposed points of appropriation are located.

For Department Use: App. Number: _____

SECTION 3: WELL DEVELOPMENT

		IF LESS THAN 1 MILE:	
WELL NO.	NAME OF NEAREST SURFACE WATER	DISTANCE TO NEAREST SURFACE WATER	ELEVATION CHANGE BETWEEN NEAREST SURFACE WATER AND WELL HEAD
3	CROOKED RIVER	72	12 to 16 feet. All wellheads at least 2 feet above elevation of 100-year floodplain.
6	CROOKED RIVER	54	
7	CROOKED RIVER	92	
8	CROOKED RIVER	51	
9	CROOKED RIVER	50	
10	CROOKED RIVER	50	
11	CROOKED RIVER	50	
13	CROOKED RIVER	54	
15	CROOKED RIVER	51	
16	CROOKED RIVER	66	
17	CROOKED RIVER	109	
18	CROOKED RIVER	117	
19	CROOKED RIVER	88	
22	CROOKED RIVER	57	
24	CROOKED RIVER	726	
25	CROOKED RIVER	976	
26	CROOKED RIVER	762	
27	CROOKED RIVER	1166	
H1	CROOKED RIVER	32	
H2	CROOKED RIVER	32	
H3	CROOKED RIVER	32	

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)*.

Well logs are provided for existing wells in Attachment D.

SECTION 3: WELL DEVELOPMENT, continued

Total maximum rate requested: 4.46 CFS (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below).

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

										PROPOSED USE			
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)	SOURCE AQUIFER***	TOTAL WELL DEPTH	WELL-SPECIFIC RATE (GPM)	ANNUAL VOLUME (ACRE-FEET)
3		X	CROO 54593		8	2-52	52-87	0-54	†	Confined S&G	87	Up to 300 gpm	3,226
6		X	CROO 54785		8	2-60 90-95	60-90	0-58	†	Confined S&G	95	Up to 300 gpm	
7		X	CROO 54792		8	2-75 100-107	75-100	0-72	†	Confined S&G	107	Up to 300 gpm	
8		X	CROO 54592		8	2-60	60-140	0-50	†	Confined S&G	140	Up to 300 gpm	
9		X	CROO 54834		8	2-73 93-98	73-93	0-58	9	Confined S&G	98	Up to 300 gpm	
10		X	CROO 54832		8	1-60 80-84	60-80	0-51	†	Confined S&G	84	Up to 300 gpm	
11		X	CROO 54833		8	1-60 80-85	60-80	0-55	†	Confined S&G	85	Up to 300 gpm	
13		X	CROO 54830		8	1-63 88-93	63-88	0-55	†	Confined S&G	92	Up to 300 gpm	
15		X	CROO 54831		8	2-65 90-95	65-90	0-50	†	Confined S&G	95	Up to 300 gpm	
16		X	CROO 54829		8	2-64 89-94	64-89	0-54	†	Confined S&G	94	Up to 300 gpm	
17		X	CROO 54810		8	2-63 88-93	63-88	0-55	†	Confined S&G	93	Up to 300 gpm	
18		X	CROO 54789		8	2-60 90-95	60-90	0-32	†	Confined S&G	95	Up to 300 gpm	

For Department Use: App. Number: _____

										Proposed Use			
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)	SOURCE AQUIFER***	TOTAL WELL DEPTH	WELL-SPECIFIC RATE (GPM)	ANNUAL VOLUME (ACRE-FEET)
19		X	CROO 54869		8	2-50 90-95	50-90	0-48	†	Confined S&G	95	Up to 300 gpm	
22		X	CROO 54750		8	3-85	55-80	0-53	†	Confined S&G	85	Up to 300 gpm	
24		X	CROO 54588		8	2-140	80-140	0-70	†	Confined S&G	140	Up to 300 gpm	
25	X		N/A		10	+1 - 100	100 - 200	0-70	~10-20	Confined S&G	~200	Up to 300 gpm	
26		X	CROO 53215		20 12 12	0-165 0-165 185-195	165-185	0-155	†	Confined S&G	195	Up to 300 gpm	*SEE TOTAL VOLUME LISTED ABOVE*
27	X		N/A		10	+1 - 100	100-200	0-70	~10-20	Confined S&G	~200	Up to 300 gpm	
H1	X		N/A		16	0-30	18-40	0-18	~15	Alluvium	~40	2,000 GPM	
H2	X		N/A		16	0-30	18-40	0-18	~15	Alluvium			
H3	X		N/A		16	0-30	18-40	0-18	~15	Alluvium			

* 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.

† Permit G-18154 requires static water level measurement for at least one dedicated deep well (CROO 54834). This static water level measurement is assumed to apply to other similar wells shown in this table (3 through 26)

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 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:

Statewide - OAR 690-033-0330 thru -0340

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

☒ Yes ☐ No

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

SECTION 5: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
Municipal	Year-round	3,226

For irrigation use only: N/A

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

Primary: Acres Supplemental: Acres Nursery Use: Acres

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

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

- If the use is **municipal or quasi-municipal**, attach **Form M** See Attachment F
- If the use is **domestic**, indicate the number of households: **(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.)

For Department Use: App. Number: _____

- If the use is **mining**, describe what is being mined and the method(s) of extraction (*attach additional sheets if necessary*):

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): **Submersible pumps ranging from 7.5 to 40 HP wells 3 through 27. One 150 HP submersible pumps for Wells H1, H2, and H3.**
☐ Other means (describe):

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

B. Application Method

What equipment and method of application will be used? (e.g., drip, wheel line, high-pressure sprinkler) (*attach additional sheets if necessary*)
N/A - Water will be used for municipal use within the City of Prineville Service Boundary.

C. Conservation

Please describe why the amount of water requested is needed and measures you propose to: prevent waste; measure the amount of water diverted; prevent damage to aquatic life and riparian habitat; prevent the discharge of contaminated water to a surface stream; prevent adverse impact to public uses of affected surface waters (*attach additional sheets if necessary*).
The water appropriated under this water right will be limited to the amount needed for municipal water supply. Wells will be constructed in a manner to prevent damage to aquatic life and riparian habitat. No discharge of contaminated water will occur, and no adverse impacts to public uses of surface water are anticipated. Constructed wells will be equipped with measurement devises to measure the amount of water diverted.

The City's WMCP includes benchmarks related to conservation outreach. The City reduced water loss to leakage within its municipal system from a high of 171 MG in 2008 to a low of 17.6 MG in 2015. See Attachment E for excerpts of the City's WMCP Progress Report for more information about the City's conservation program.

SECTION 7: PROJECT SCHEDULE

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

SECTION 8: RESOURCE PROTECTION

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

☒ Water quality will be protected by preventing erosion and run-off of waste or chemical products.

Describe: **Municipal water is delivered through the City's piped delivery system and waste water is treated at the City's Crooked River treatment wetlands complex. No erosion or run-off will occur.**

☒ Excavation or clearing of banks will be kept to a minimum to protect riparian or streamside areas.
Note: If disturbed area is greater than one acre, applicant should contact the Oregon Department of Environmental Quality to determine if a 1200C permit is required.
Describe planned actions and additional permits required for project implementation: **Excavation or clearing of banks for this project will be minimal and is not expected to exceed on acre.**

☐ 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	Address	
Ochoco Irrigation District	1001 NW Deer St.	
City	State	Zip
Prineville	OR	97754

Irrigation District Name	Address	
People's Irrigation Company, Ltd.	4923 Northwest O'Neil Highway	
City	State	Zip
Prineville	OR	97754

SECTION 10: REMARKS

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

The City of Prineville (City) is submitting this water right application to request a permit to use up to 3,226 acre-feet of groundwater from the Les Schwab Wellfield for municipal purposes year-round "within the City of Prineville Service Boundary." The City is requesting to divert the groundwater from 21 wells at a combined rate of up to 4.46 cfs. The City needs to expand its reliable production capacity from the Les Schwab Wellfield to meet its forecast maximum operational demands through 2043. Expansion of the Les Schwab Wellfield to utilize the full potential capacity of the City's existing water treatment capacity is the most cost-effective option for the City to increase the reliability of the City's water supplies.

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

The City understands that the use of water under the proposed permit will require mitigation under the Department's Deschutes Basin Groundwater Mitigation Program. The City holds sufficient unassigned credits under MP-222 to meet the anticipated mitigation obligation of 1,290 credits.

For Department Use: App. Number: _____

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.

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

Applicant(s): City of Prineville Attn: Eric Klann

Mailing Address: 400 NE 3rd St.

City: Prineville State: OR Zip Code: 97754 Daytime Phone: _____

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:
See Attached Maps					_____	☒ Diverted	☒ Conveyed	☒ Used	Municipal
_____	_____	_____	_____	_____	_____	☐ Diverted	☐ Conveyed	☐ Used	_____

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

City of Prineville; Crook County

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: 2,000 ☐ 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 City of Prineville is applying for a permit to use groundwater from the Prineville Valley Floor Aquifer for municipal use.

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. →

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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:	
Water Master Plan	Ordinance 1239	☒ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued

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

Name: Joshua Smith Title: Planning Director

Signature: Joshua Smith Digitally signed by Joshua Smith Date: 2022.01.18 08:33:36 -08'00' Phone: 541-447-2367 Date: 1/18/2022

Government Entity: City of Prineville

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: _____

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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:	
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued

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

Name: Brent Bybee Title: Planning Manager

Signature: [signature] Phone: 541-447-3211 Date: 1/19/2022

Government Entity: Crook 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: _____

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AGREEMENT

THIS AGREEMENT ("Agreement") is made this 1st day of ~~August~~ September, 2017, by and between **Crook County Parks & Recreation District**, of 296 South Main Street, Prineville, Oregon (hereafter "District"), Crook County, a political subdivision of the State of Oregon (hereinafter "County"), and the **City of Prineville**, an Oregon municipal corporation, of 387 NE Third Street, Prineville, Oregon (hereafter "City"). The City, County, and District shall collectively be referred to as the "Parties" and individually as a "Party."

RECITALS:

A. County owns real property in Crook County, Oregon, described as Tax Lot 203 of Tax Map 1516-08 (the "Property").

B. On September 4, 2013, County and District entered into a Lease Agreement whereby District leased the Property from County for a term of forty (40) years (until August 31, 2053) for the purpose of constructing and maintaining recreational facilities, including but not limited to a baseball and/or soccer field, and other associated facilities, upon the Property.

C. City desires to drill one or more test wells on portions of the Property to determine if the test wells have the potential to serve as municipal wells and wishes to gain access to the Property in order to facilitate the same.

D. County and District are willing to allow access to City to drill test wells on the Property and, if the City desires, to grant the City a permanent easement so the City can develop municipal wells.

E. The Parties desire to memorialize their agreement.

IN CONSIDERATION of the following covenants and other good and valuable consideration receipt of which is hereby acknowledged, the Parties agree as follows:

1. The above recitals are hereby incorporated by reference.

2. County and District grant to City, including its employees, agents, invitees, and contractors, access to the Property for the purpose of drilling test wells, pump testing the wells for water quantity, and testing the water produced from the wells for quality. District shall approve all proposed well locations prior to drilling.

3. City shall have three (3) years after the date of this Agreement to complete the drilling and testing operations on the test wells and to determine if City will develop the test wells or any of them into permanent municipal wells.

4. Any test well that City determines will not be used as a municipal well, at District's option will be transferred to the County and District or will be abandoned in accordance with Oregon state rules and regulations and disturbances to the Property caused by the City and/or its employees, agents, invitees, and contractors shall be returned to essentially its original condition at City's expense.

5. If City desires to use the test wells or any of them as permanent municipal wells, the following shall apply:

a. City shall give notice to County and District within three (3) years after the date of this Agreement which test wells if any, the City intends to use as permanent municipal wells.

b. The City shall have a survey prepared for the site of each test well the City intends to use as a permanent municipal well, the location of water lines transporting water from the wells to City's water system, electric lines used to operate the well pumps, and pump houses. Pump houses shall be in areas reasonably acceptable to District.

c. County and District shall execute an easement prepared by City at City's expense granting the City a permanent easement for well or wells, water lines, pump house, electric lines and other accessories.

d. As partial consideration for the access and use of the Property, the City shall indemnify, hold harmless and forever discharge County and District, their elected officials, officers, board of directors, employees, agents, successors, and assigns of and from any and all claims, demands, debts, contracts, expenses, causes of action, lawsuits, damages and liabilities, of every kind and nature, whether known or unknown, in law or equity the County and District ever had or may have, arising from or in any way related to the City, its employees, agents, invitees, and contractors activity of drilling test wells, accessing and/or entering upon the Property for the purpose of drilling and/or operating the test wells.

e. As partial consideration for the access to, use of, and potential easement on the Property, City agrees to extend to the Property the City sewer line within five years (5) from the date of this Agreement. City will be responsible for the placement of such City sewer line to the Property and City will waive sewer SDC and sewer connections fees for the Property. District shall be responsible for the costs of on-site sewer collection lines on the

Property up to the connection to City's sewer line. City will be responsible for installation of the sewer lines on the Property.

f. City is responsible for any damage to County's or District's infrastructure caused by City, or City's employees, invitees and contractors related to the activities of City pursuant to this Agreement.

g. All areas of the Property excavated pursuant to the terms of this Agreement shall be returned to essentially their original condition at City's expense.

6. This Agreement constitutes the complete and final agreement between the Parties with respect to the matters covered by this Agreement, and replaces any prior oral or written agreements.

7. This Agreement shall be binding on and inure to the benefit of the parties and their respective heirs, personal representatives, successors, and assigns.

8. All notices and other communications under this Agreement must be in writing and shall be deemed to have been given if delivered personally, sent by facsimile (with confirmation), mailed by certified mail, or delivered by an overnight delivery service (with confirmation) to the parties at the addresses described in the first paragraph of this Agreement (or at such other address as a party may designate by like notice to the other party).

Any notice or other communication shall be deemed to be given (a) on the date of personal delivery, (b) at the expiration of the second day after the date of deposit in the United States mail, or (c) on the date of confirmed delivery by overnight delivery service.

9. Any provision or condition of this Agreement may be waived at any time, in writing, by the party entitled to the benefit of such provision or condition. Waiver of any breach of any provision shall not be a waiver of any succeeding breach of the provision or a waiver of the provision itself or any other provision.

10. If any provision of this Agreement shall be invalid or unenforceable in any respect for any reason, the validity and enforceability of any such provision in any other respect and of the remaining provisions of this Agreement shall not be in any way impaired.

11. This Agreement may be executed in one or more counterparts, including electronically transmitted counterparts, which when taken together shall constitute one in the same instrument. Facsimiles and electronic transmittals of the signed document shall be binding as though they were an original of such signed document.

Crook County Parks & Recreation District

By: Jeremy D. Logan
Jeremy Logan, Board Chairperson
Date: August 11, 2017

By: Darlene W Henderson
Darlene Henderson, Board ~~Vice-Chairperson~~ Member
Date: August 11, 2017

By:
Casey Kasier, Board Member
Date: August 11, 2017

City of Prineville

Steve Forrester, City Manager
Date:

Betty J. Roppe
Betty J. Roppe, Mayor
Date: 8-14-17

Crook County Court

Seth Crawford
Seth Crawford, County Judge
Date: 9-6-17

Jerry M. Brummer
Jerry Brummer, County Commissioner
Date: 9-6-17

Brian Barney
Brian Barney, County Commissioner
Date: 9-6-17

DEED

The CITY OF PRINEVILLE, a municipal corporation, Grantor, conveys to CROOK COUNTY PARKS & RECREATION DISTRICT, a municipal corporation, Grantee, the real property described at Exhibit "A" attached hereto and by this reference made a part hereof, to have and hold the above described real property so long as Grantee shall continue to exist and so long as all the above real property is used for park or recreation purposes. When said District shall no longer exist or when any of the above described real property is not used for park or recreation purposes, the interest of Grantee, its successors or assigns as to all of the above described real property shall automatically terminate and revert to the Grantor, its successors or assigns.

If a legal proceeding is commenced against either or both of the parties concerning the right or ability of Grantor to transfer any of the property transferred to Grantee or the manner of said transfer, that Grantor and Grantee shall evaluate the legal proceeding to determine the probability of the proceeding's success. If Grantee or both Grantor and Grantee in good faith believe the legal proceeding will not succeed, Grantee shall defend agaisnt the proceeding and shall indemnify Grantor from any and all costs and expenses concerning said proceeding. If Grantor alone believes the legal proceeding will not succeed, it will defend against the proceeding. If both Grantor and Grantee agree legal proceeding will succeed, the property in question shall be transferred to Grantor by Grantee at no cost to Grantor.

Reserving unto Grantor, its succesbors and assigns, a permanent easement for the placement, repair, maintenance and replacement of an underground waterline on the above described parcel 14 and the permanent right to enter upon said parcel 14 to place, repair, maintain, or replace said waterline. Grantor reserves the permanent right to excavate and refill ditches and trenches for the location of said pipeline, and the further right to remove trees, bushes, undergrowth and other obstructions interferring with the placement, repair, maintenance or replacement of said pipeline, and to do any other act Grantor deems necessary to carry out the purpose of this easement. Grantor shall use its best efforts to not interfere with Grantee's use of said property.

Subject to easements, restrictions, reservations and rights-of-way of record.

The true and actual consideration for this conveyance is Zero Dollars ($0.). The consideration for this conveyance consists of other value given which is the whole consideration.

THIS INSTRUMENT DOES NOT GUARANTEE THAT ANY PARTICULAR USE MAY BE MADE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT. A BUYER SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY APPROVED USES.

DATED: April 12, 1985.

CITY OF PRINEVILLE

By Ronald E. Scanlon

By Marge Levens

STATE OF OREGON)
) ss.
County of Crook)

Personally appeared RONALD E. SCANLON and MARGE LEVENS, each being first duly sworn, did say that the former is the Mayor and that the latter is the City Administrator of the City of Prineville, a municipal corporation, and that said instrument was signed and sealed on behalf of said corporation by authority of its City Council, and each of them acknowledged said instrument to be its voluntary act and deed.

Before me this 12th day of April 1985.

Patricia C. Heppler

NOTARY PUBLIC FOR OREGON

My Commission Expires: 9/20/86

NOTARY PUBLIC STATE OF OREGON

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EXHIBIT "A"

Parcel #1
The East 20 feet of Lot One (1), and the East 20 feet of the North 15 feet of Lot Two (2) in Block Three (3) of the First Addition to Prineville, Oregon, according to the official plat thereof on file and of record in the office of the County Clerk for Crook County, Oregon.

Parcel #2
All of Block Number 2 of the Oregon & Western Addition to the City of Prineville, Crook County, State of Oregon, according to the plat and survey thereof now on file and of record in the office of the County Clerk of Crook County, State of Oregon.

Parcel #3
Beginning at a point on the East line of East "J" Street as platted in the Fourth Addition to Prineville, Oregon, said point being 297.42 feet North of the North line of East Third Street, thence North 262.58 feet, thence East to a point on the Westerly bank of Ochoco Creek, thence Southeasterly following the Westerly bank of Ochoco Creek to a point due East of the point of beginning, thence due West to the point of beginning.

Parcel #4
Beginning at the Northwest corner of the Northwest quarter of the Northeast quarter of Section 5 in Township 15 South of Range 16 East of the Willamette Meridian, thence North 89°49'41" East along said North line 185.98 feet to a point on the West line of Juniper Street extended to the North, thence South 7°06' East along said Juniper Street a distance of 126.08 feet, more or less, to a point on the North line of East Fifth Street, thence West along the North line of said East Fifth Street 203.6 feet, more or less, to a point on the West line of the Northwest quarter of the Northeast quarter of said Section 5, thence North along said West line 122.2 feet, more or less, to the point of beginning.

Parcel #5
Beginning at a point 80 feet West of the Northeast corner of Tract 6 of the Steve W. Yancey Addition to Prineville, Oregon, according to the official plat thereof on file and of record in the office of the County Clerk for Crook County, Oregon, thence West 250 feet, thence South 280 feet, thence East 250 feet, thence North 280 feet to the point of beginning, EXCEPTING the following described tract: Beginning at the intersection of the West boundary of Harwood Street extended and the South boundary of Eighth Street, thence South 0°11' East 277.04 feet to a point thence West 57.59 feet to an iron pipe, thence North 11°34' East 282.79 feet to the point of beginning.

Parcel #6
Beginning at the Southeast corner of Section 6 in Township 15 South of Range 16 East of the Willamette Meridian, thence North 1129.85 feet along the East line of said Section 6, thence West 547.8 feet, more or less, to a point on the East line of the tract deeded to Columbus J. Johnson by deed recorded in Book 41 of Deeds at page 532, Records of Crook County, Oregon, thence South along the East line of said tract to a point on the South line of said Section 6, thence East along the South line of said Section 6 a distance of 547.8 feet, more or less, to the point of beginning.

Also, beginning at a point on the West line of Section 5 in Township 15 South of Range 16 East of the Willamette Meridian, said point being 1009.85 feet North of the Southwest corner of said Section 5, thence South along the West line of said Section 5 a distance of 100 feet, thence East to a point on the Westerly right of way line of the Crooked River Highway, as now located and constructed, thence Northwesterly along said right of way line to a point due East of the point of beginning, thence West 136.85 feet, more or less, to the point of beginning.

Parcel #7
A tract of land in Section Five (5) Township 15 South, Range 16 East, W.M., more particularly described as follows: Beginning at the Northwest corner of Block Sixteen (16) of the First Addition to Prineville, Oregon, running thence North along the produced east line of East "D" Street of said addition, 54 feet; thence South 82°18' East 241.2 feet to the West line of East "E" Street of said addition; thence South along said West line of East "E" Street 22.5 feet to the Northeast corner of said Block 16, thence West along the North line of said Block 16 240 feet to the place of beginning.

Parcel #8
Beginning at a point 140 feet east and 30 feet south of the southeast corner of Block 11, Newsom's First Addition to Prineville, according to the duly recorded plats thereof; thence South to the Southerly boundary of a certain tract of land heretofore conveyed by Chas. Altschul and wife to S. J. Newsom, by quitclaim deed recorded in Deeds 27 page 158, Records of Crook County, Oregon; thence Easterly along said south boundary line to the West boundary of East "E" Street; thence North along the West line of said East "E" Street to a point due East of the place of beginning; thence west to the place of beginning.

Parcel #9
Lots 1, 2, 3, 4, 5 and 6 of Block 15 and all of Blocks 16, 17, 18, 19 and 20 of the Fourth Addition to Prineville, Oregon, according to the official plat thereof on file and of record in the office of the County Clerk for Crook County, Oregon.

Parcel #10
Beginning at the quarter corner of North line of Section 5 of Township 15 South, Range 16 East of the Willamette Meridian, thence West along the township line 1120.2 feet to a point, thence South 120 feet more or less to the North line of East 5th Street, thence East along the North line of East 5th Street 1120.2 feet more or less to a point South of the point of beginning, thence North to the point of beginning.

Parcel #11
All of Block 16 of the First Addition to Prineville, Oregon, according to the official plat thereof on file and of record in the office of the County Clerk for Crook County, Oregon.

Parcel #12
Beginning at a point 30 feet South and 30 feet East from the Southeast corner of Block 11 of Newsom's First Addition to Prineville, Oregon, thence South to the southerly boundary line of a tract of land heretofore conveyed by Chas. Altschul and wife to S. J. Newsom by quitclaim deed, which is recorded in Volume 27 at page 158, Records of Deeds of Crook County, Oregon; thence northwesterly along said southerly boundary line 571 feet, more or less, to the north line of Section 5, Township 15 South of Range 16 East of the Willamette Meridian; thence easterly along said Section line to a point due South of the Southeast corner of Block 10 of Newsom's First Addition, thence South 30 feet, thence East 330 feet, more or less, to the point of beginning.

Parcel #13 That part of the following described parcel located North of Ochoco Creek. The entire parcel being described as follows:
Beginning on the Township line between Section 32 in Township 14 South of Range 16 East of the Willamette Meridian and Section 5 in Township 15 South of Range 16 East of the Willamette Meridian; thence South 79°02' East 331.5 feet; thence South 76°01' East 308.2 feet; thence South 82°18' East 32.9 feet thence South along the East line of East D Street in the City of Prineville, Oregon, 54 feet more or less to the Northwest corner of Block 16, First Addition to Prineville, thence West along the North line of Block 8 and 9 of said First Addition 640 feet, more or less to the Northwest corner of said Block 8; thence North 4°12' West 197.5 feet, more or less to the place of beginning, all in Section 5, Township 15 South of Range 16 East of the Willamette Meridian in Crook County, Oregon.

Parcel #14

A portion of the West half of the Northwest quarter of Section 8 in Township 15 South, Range Sixteen East of the Willamette Meridian, Crook County, Oregon, more particularly described as follows:

Beginning at the Northwest corner of said Section 8, thence South 00°06'25" East 80.00 feet along the West line of Section 8 to a point on the Easterly right-of-way line of Peoples Irrigation Canal; thence leaving said section line along said canal right-of-way along the following courses: South 34°33'56" East 33.60 feet; thence South 47°47'00" East 74.00 feet; thence South 26°00'00" East 132.00 feet; thence South 41°06'00" East 148.00 feet; thence South 08°44'00" East 164.00 feet; thence South 20°05'00" East 188.00 feet; thence leaving said canal right-of-way South 64°28'00" East 312.00 feet; thence South 11°08'00" East 290.00 feet; thence South 20°26'00" West 118.00 feet; thence South 24°56'00" East 360.00 feet; thence South 49°35'00" East 278.00 feet; thence South 09°03'00" East 175.00 feet; thence South 31°15'00" East 212.00 feet; thence South 44°37'00" East 270.00 feet more or less to a point on the East line of the West one-half of the Northwest one-quarter of said Section 8; thence Northerly along said line 160 feet more or less to a point of intersection of said line and the Southwesterly right-of-way line of Crooked River Highway; thence North 43°36'47" West 103.00 feet more or less to the beginning point for a curve, said point lying South 2069.34 feet East 1245.07 feet from the Northwest corner of said Section 8; thence continuing along said right-of-way along the following courses; along the arc of a 571.70 foot radius curve right 550.22 feet, (the long chord of which bears North 16°02'29" West 529.23 feet); thence North 11°31'48" East 628.04 feet; thence along the arc of a 627.17 foot radius curve left 499.56 feet; (the long chord of which bears North 11°17'20" West 486.46 feet); thence North 34°06'28" West 567.83 feet to a point on the North line of said Section 8; thence leaving said right-of-way line South 89°52'09" West along said section line 810.73 feet to the Northwest corner of said Section 8, said point being the point of beginning and terminus of this description.

KEY PUNCHED
APR 12 1985

STATE OF OREGON, }
COUNTY OF CROOK, } ss

75575

I CERTIFY that the within instrument of writing was received for record on the 12 day of April A.D. 1985 at 2:45 o'clock P M., and recorded in Deeds MF# 75575 of said County.
Grace G. Bannon, County Clerk
By Betty Black Deputy

TWP.	RGE.	SEC.	1/4	1/16	PARCEL NUMBER	TYPE	SPEC. INT. IN REAL PROP.	CODE AREA NUMBER
15	16	8			page 2 201			13 16

MAP NUMBER

TAX LOT NUMBER

OFFICIAL RECORD OF DESCRIPTIONS OF REAL PROPERTY

CROOK **COUNTY ASSESSOR'S OFFICE**

FORMERLY PART OF 200

INDENT EACH NEW COURSE TO THIS POINT	11908	DESCRIPTION AND RECORD OF CHANGE	Page 2	DATE OF ENTRY ON THIS CARD	DEED RECORD VOL.	DEED RECORD PG.	ACRES REMAINING
		Boston Ranch Co. JV 29938	WD	2-25-77	MF	38747	27.23
			WD	6-28-77	MF	40098	
		City of Prineville V#34421	WD	7-19-77	MF	41355	
			Deed	7-22-77	MF	41243	
		Code change to 13 V#44335		9/25/81			
		Crook County Parks & Recreation District V51157	Deed	9-10-85	MF	75575	
		Exc: Canal R/W 0.93		10/6/86	MF	79812	26.30
		Also: Former Parcel 101 6.73 V#62676	WD	4-29-93	MF#1	07044	33.03

A parcel of ld located in the N½NW1/4 of sec 8 T15S R16E WM, Crook Co Ore more part desc as fols:

Beg at the intersection of the Sly li of that canal parcel conv'd to Juniper Canyon Water Control Dist a municipal corp by dds MF79810, Recs of Crook Co Ore and the Ely r/w li of the Crooked River St Hwy no 27, sd pt being loc'dS 83° 56' 13" E a dist of 951.79' fr the NW cor of sd sec 8;

th N 89° 58' 53" E alg sd Sly canal li a dist of 8.91' to Engineer's Station 138+00 at 50' left;

th N 63° 46' 11" E al sd Sly canal li a dist of 55.90' to Engineer's St 137+50 at 25' left;

th S 89° 39' 55" E alg sd Sly canal li a dist of 370' to Engineer's St 133+80 at 25' left;

th S 0° 20' 5" W alg sd Sly canal li a dist of 35' to Engineer's St 133+80 at 60' left;

th S 89° 39' 55" E alg sd Sly canal li a dist of 220' to Eng's St 131+60 at 60' left;

th leaving sd canal S 22° 57' 44" E a dist of 356.94';

th S 12° 53' 23" E a dist of 133.73';

th S 72° 19' 36" W a dist of 57.19';

th S 88° 59' 0" W a dist of 457.87' tap on the Ely r/w li of the Crooked River St Hwy no 27;

th alg sd Ely li around a 686.99' RC left a dist of 172.72' LC bears N 26° 26' 4" W a dist of 172.27';

th N 33° 38' 44" W alg sd Ely li a dist of 413.21' tothe POB, containing 6.73 acres m/l.

SUBJECT TO all existing easements and rights of way including canals.

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DR A 8 A-C-48 (REV. 12-72)

Exc: Parcel 203 V#66021 6.73 | 11-1-93 | Request | 26.30

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

CROO 54593
2/19/2018

WELL I.D. LABEL# L 127082
START CARD # 1037843
ORIGINAL LOG #

(1) LAND OWNER

Owner Well I.D. DTW-1
First Name JIM Last Name NEWTON
Company CITY OF PRINEVILLE
Address 387 NE 3RD ST
City PRINEVILLE State OR Zip 97754

(2) TYPE OF WORK

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

(2a) PRE-ALTERATION

	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Casing:									

	Material	From	To	Amt	sacks/lbs
Seal:					

(3) DRILL METHOD

[ ] Rotary Air [ ] Rotary Mud [X] Cable [ ] Auger [ ] Cable Mud
[ ] Reverse Rotary [ ] Other

(4) PROPOSED USE

[ ] Domestic [ ] Irrigation [ ] Community
[ ] Industrial/ Commericial [ ] Livestock [ ] Dewatering
[ ] Thermal [ ] Injection [X] Other EXPLORITORY

(5) BORE HOLE CONSTRUCTION

Special Standard [ ] (Attach copy)
Depth of Completed Well 87.00 ft.

BORE HOLE

Dia	From	To
16	0	140

SEAL

Material	From	To	Amt	sacks/lbs
Bentonite Chips	0	4	7	S
		Calculated	6	
Cement	4	50	70	S
		Calculated	31	

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other POURED DRY
Backfill placed from 87 ft. to 140 ft. Material PEA GRAVEL
Filter pack from 50 ft. to 87 ft. Material SAND Size 6/9
Explosives used: [ ] Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount Actual Amount

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
●	○	8	X	2	52	.250	●	○	X	
○	○						○	○		
○	○						○	○		
○	○						○	○		
○	○						○	○		

Shoe [ ] Inside [X] Outside [ ] Other Location of shoe(s)
Temp casing [X] Yes Dia 16 From + [X] 1 To 73

(7) PERFORATIONS/SCREENS

Perforations Method
Screens Type JOHNSON Material STAINLESS

Perf/ Screen	Casing/ Screen Liner	Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Casing	8	52	87	.01			

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

[●] Pump [ ] Bailer [ ] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
20	20		2
103	54	80	120

Temperature 54 °F Lab analysis [ ] Yes By
Water quality concerns? [ ] Yes (describe below) TDS amount 572 mg/L

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County CROOK Twp 15.00 S N/S Range 16.00 E E/W WM
Sec 8 NW 1/4 of the NW 1/4 Tax Lot 201
Tax Map Number Lot
Lat ° ' " or 44.28950000 DMS or DD
Long ° ' " or -120.84572222 DMS or DD
( ) Street address of well (●) Nearest address
WEST OF MAIN ST/CROOKED RIVER HWY
CROOKED RIVER PARK (DTW-1)

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	1/5/2018			4.5

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 14.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
10/3/2017	14	27	20			10
10/6/2017	42	58	20			4.5

(11) WELL LOG

Ground Elevation 2875.00

Material	From	To
TOP SOIL	0	1
CLAY BROWN	1	9
CLAY SAND	9	14
GRAVELS GRAY SILT COARS MEDIUM	14	27
CLAY SILT GRAVELS	27	38
SILT CLAY	38	42
GRAVELS SAND SILT	42	58
CLAY GRAY	58	88
CLAY GRAY ASH MIX	88	104
CLAY HARD GRAY	104	120
CLAY SOFT STICKY BROWN	120	140

RECEIVED
MAR 07 2018
OWRD

Date Started 10/2/2017 Completed 1/5/2018

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

License Number 758 Date 2/16/2018
Signed THOMAS PECK (E-filed)

(bonded) Water Well Constructor Certification

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

License Number 1720 Date 2/19/2018
Signed JACK ABBAS (E-filed)
Contact Info (optional)

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

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

CROO 54593

2/19/2018

Map of Hole

STATE OF OREGON
WELL LOCATION MAP

This map is supplemental to the WATER SUPPLY WELL REPORT

Oregon Water Resources Department
725 Summer St NE, Salem OR 97301
(503)986-0900

LOCATION OF WELL

Latitude: 44.2895 Datum: WGS84
Longitude: -120.84572222
Township/Range/Section/Quarter-Quarter Section:
WM 6S 2W 34 NWNW
Address of Well:
WEST OF MAIN ST/CROOKED RIVER HWY
CROOKED RIVER HWY (DTW-1)

Well Label: 127082

Printed: February 18, 2018

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

Provided by well constructor

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

CROO 54785

7/28/2019

WELL I.D. LABEL# L 133400
START CARD # 1042929
ORIGINAL LOG #

(1) LAND OWNER

Owner Well I.D. DT-4
First Name _____ Last Name _____
Company CITY OF PRINEVILLE C/O TAYLOR NW
Address PO BOX 6714
City BEND State OR Zip 97708

(2) TYPE OF WORK

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

(2a) PRE-ALTERATION

	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Casing:									

	Material	From	To	Amt	sacks/lbs
Seal:					

(3) DRILL METHOD

[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Cable Mud
[ ] Reverse Rotary [ ] Other _____

(4) PROPOSED USE

[ ] Domestic [ ] Irrigation [ ] Community
[ ] Industrial/ Commericial [ ] Livestock [ ] Dewatering
[ ] Thermal [ ] Injection [X] Other MUNICIPAL

(5) BORE HOLE CONSTRUCTION

Special Standard [ ] (Attach copy)
Depth of Completed Well 95.00 ft.

BORE HOLE

Dia	From	To
16	0	95

SEAL

Material	From	To	Amt	sacks/lbs
Concrete	0	5	14430	P
		Calculated	7200	
Cement	5	58	70	S
		Calculated	40	

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[ ] Other _____
Backfill placed from _____ ft. to _____ ft. Material _____
Filter pack from 58 ft. to 95 ft. Material SAND Size 4/10
Explosives used: [ ] Yes Type _____ Amount _____

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount Actual Amount

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
●	○	8	X	2	60	.250	●	○	X	
●	○	8		90	95	.250	●	○	X	
○	○						○	○		
○	○						○	○		
○	○						○	○		

Shoe [ ] Inside [ ] Outside [ ] Other Location of shoe(s) _____
Temp casing [ ] Yes Dia 16 From +[X] 2 To 95

(7) PERFORATIONS/SCREENS

Perforations Method _____
Screens Type JOHNSON Material STAINLESS

Perf/ Screen	Casing/ Screen Liner	Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Casing	8	60	90	.02			

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

○ Pump ○ Bailer ◉ Air ○ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
100		90	2

Temperature 55 °F Lab analysis [ ] Yes By _____
Water quality concerns? [ ] Yes (describe below) TDS amount 285 ppm

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County CROOK Twp 15.00 S N/S Range 16.00 E E/W WM
Sec 8 NW 1/4 of the NW 1/4 Tax Lot 201
Tax Map Number _____ Lot _____
Lat ____ ° ____ ' ____ " or 44.28925000 DMS or DD
Long ____ ° ____ ' ____ " or -120.84558333 DMS or DD
○ Street address of well ◉ Nearest address
CROOKED RIVER PARK- S. MAIN ST

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	7/11/2019			6

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 11.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
7/3/2019	11	46	50			10
7/3/2019	58	89	100			6

(11) WELL LOG

Ground Elevation 2873.00

Material	From	To
TOP SOIL	0	2
GRAVELS SAND BROWN	2	10
GRAVELS SAND GRAY	10	32
SAND GRAY LOOSE	32	46
SILT SAND	46	52
CLAY GRAY	52	58
GRAVELS	58	83
GRAVELS SILT	83	89
CLAY GREEN	89	95

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Date Started 7/3/2019 Completed 7/11/2019

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

License Number 758 Date 7/28/2019
Signed THOMAS PECK (E-filed)

(bonded) Water Well Constructor Certification

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

License Number 1720 Date 7/28/2019
Signed JACK ABBAS (E-filed)
Contact Info (optional) _____

ORIGINAL - WATER RESOURCES DEPARTMENT

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

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

CROO 54785

7/28/2019

Map of Hole

STATE OF OREGON
WELL LOCATION MAP

This map is supplemental to the WATER SUPPLY WELL REPORT

Oregon Water Resources Department
725 Summer St NE, Salem OR 97301
(503)986-0900

OREGON WATER RESOURCES DEPARTMENT

LOCATION OF WELL

Latitude: 44.28925 Datum: WGS84
Longitude: -120.84558333
Township/Range/Section/Quarter-Quarter Section:
WM 15S 16E 8 NWNW
Address of Well:
CROOKED RIVER PARK- S. MAIN ST

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Well Label: 133400

Printed: July 28, 2019

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

Provided by well constructor

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

CROO 54792
8/9/2019

WELL I.D. LABEL# L 135224
START CARD # 1044259
ORIGINAL LOG #

(1) LAND OWNER
Owner Well I.D.
First Name Last Name
Company CITY OF PRINEVILLE C/O TAYLOR NW
Address PO BOX 6714
City BEND State OR Zip 97708

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

(2a) PRE-ALTERATION
	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Casing:									

	Material	From	To	Amt	sacks/lbs
Seal:					

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

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

(5) BORE HOLE CONSTRUCTION
Special Standard [ ] (Attach copy)
Depth of Completed Well 107.00 ft.

BORE HOLE

Dia	From	To
16	0	107

SEAL

Material	From	To	Amt	sacks/lbs
Concrete	0	7	28000	P
		Calculated	14000	
Cement	7	72	70	S
		Calculated	50	

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[ ] Other
Backfill placed from ft. to ft. Material
Filter pack from 72 ft. to 100 ft. Material SAND Size 4/10
Explosives used: [ ] Yes Type Amount

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

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
◉	○	8	X	2	75	.250	◉	○	X	
◉	○	8		100	107	.250	◉	○	X	
○	○						○	○		
○	○						○	○		
○	○						○	○		

Shoe [ ] Inside [ ] Outside [ ] Other Location of shoe(s)
Temp casing [X] Yes Dia 16 From +[X] 1 To 107

(7) PERFORATIONS/SCREENS
Perforations Method
Screens Type JOHNSON Material STAINLESS

Perf/ Screen	Casing/ Screen Liner	Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Casing	8	75	100	.02			

(8) WELL TESTS: Minimum testing time is 1 hour
[ ] Pump [ ] Bailer [◉] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
100		100	3

Temperature 58 °F Lab analysis [ ] Yes By
Water quality concerns? [ ] Yes (describe below) TDS amount 320 ppm

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)
County CROOK Twp 15.00 S N/S Range 16.00 E E/W WM
Sec 8 NW 1/4 of the NW 1/4 Tax Lot 201
Tax Map Number Lot
Lat ° ' " or 44.28907000 DMS or DD
Long ° ' " or -120.84530000 DMS or DD
( ) Street address of well (◉) Nearest address
CROOKED RIVER PARK- S MAIN ST

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	7/25/2019			9

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 11.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
7/16/2019	11	31	50			6
7/17/2019	72	88	100			9

(11) WELL LOG
Ground Elevation 2857.00

Material	From	To
CLAY GRAVELS BROWN	0	8
GRAVELS GRAY	8	31
SILT SAND GRAY	31	66
CLAY STREAKS SAND GRAY	66	72
SAND GRAVELS	72	88
CLAY GREEN	88	91
GRAVELS	91	103
CLAY GRAY	103	107

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Date Started 7/16/2019 Completed 7/25/2019

(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
License Number 758 Date 8/9/2019
Signed THOMAS PECK (E-filed)

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
License Number 1720 Date 8/9/2019
Signed JACK ABBAS (E-filed)
Contact Info (optional)

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

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

CROO 54792

8/9/2019

Map of Hole

STATE OF OREGON
WELL LOCATION MAP

This map is supplemental to the WATER SUPPLY WELL REPORT

Oregon Water Resources Department
725 Summer St NE, Salem OR 97301
(503)986-0900

OREGON WATER RESOURCES DEPARTMENT

LOCATION OF WELL

Latitude: 44.28907 Datum: WGS84
Longitude: -120.8453

Township/Range/Section/Quarter-Quarter Section:
WM 6S 2W 34 NWNW

Address of Well:
CROOKED RIVER PARK- S MAIN ST

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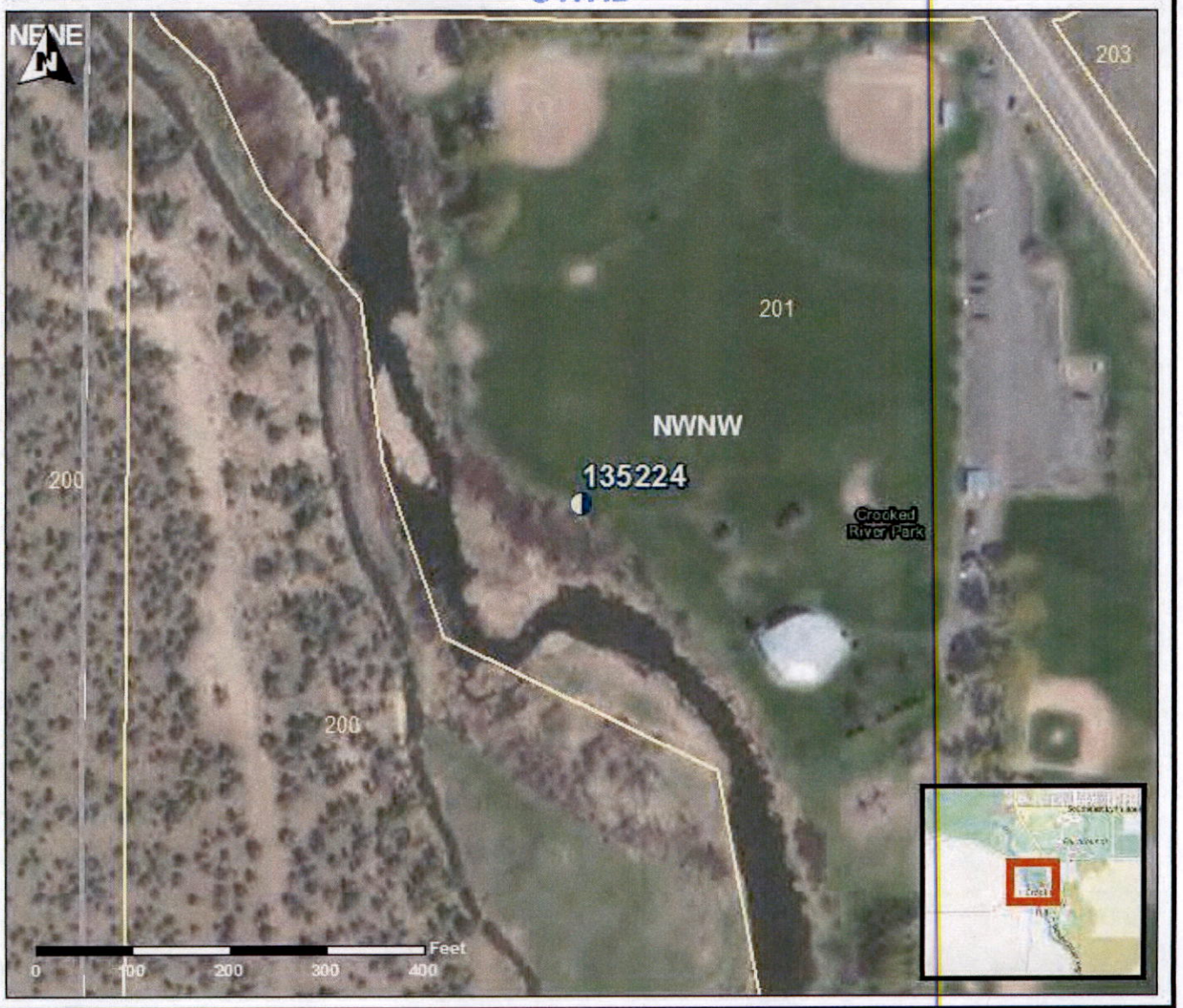
Well Label: 135224

Printed: August 9, 2019

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

Provided by well constructor



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

CROO 54592
2/18/2018

WELL I.D. LABEL# L 129186
START CARD # 1037840
ORIGINAL LOG #

(1) LAND OWNER

Owner Well I.D. DTW-2
First Name JIM Last Name NEWTON
Company CITY OF PRINEVILLE
Address 387 NE 3RD ST
City PRINEVILLE State OR Zip 97754

(2) TYPE OF WORK

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

(2a) PRE-ALTERATION

	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Casing:									

	Material	From	To	Amt	sacks/lbs
Seal:					

(3) DRILL METHOD

[ ] Rotary Air [ ] Rotary Mud [X] Cable [ ] Auger [ ] Cable Mud
[ ] Reverse Rotary [ ] Other

(4) PROPOSED USE

[ ] Domestic [ ] Irrigation [ ] Community
[ ] Industrial/ Commericial [ ] Livestock [ ] Dewatering
[ ] Thermal [ ] Injection [X] Other EXPLORITORY

(5) BORE HOLE CONSTRUCTION

Special Standard [ ] (Attach copy)
Depth of Completed Well 140.00 ft.

BORE HOLE

Dia	From	To
16	0	140

SEAL

Material	From	To	Amt	sacks/lbs
Bentonite Chips	0	7	14	S
		Calculated	10	
Cement	7	50	70	S
		Calculated	31	

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other POURED DRY
Backfill placed from ft. to ft. Material
Filter pack from 50 ft. to 140 ft. Material SAND Size 50 MESH
Explosives used: [ ] Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount Actual Amount

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
●	○	8	X	2	60	.250	●	○	X	
○	○						○	○		
○	○						○	○		
○	○						○	○		
○	○						○	○		

Shoe [ ] Inside [X] Outside [ ] Other Location of shoe(s)
Temp casing [X] Yes Dia 16 From +[X] 1 To 140

(7) PERFORATIONS/SCREENS

Perforations Method
Screens Type JOHNSON Material STAINLESS

Perf/ Screen	Casing/ Screen Liner	Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Casing	8	60	140	.008			

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

○ Pump ◉ Bailer ○ Air ○ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
20	25		2

Temperature 54 °F Lab analysis [ ] Yes By
Water quality concerns? [ ] Yes (describe below) TDS amount 118 ppm

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County CROOK Twp 15.00 S N/S Range 16.00 E E/W WM
Sec 8 NW 1/4 of the NW 1/4 Tax Lot 201
Tax Map Number Lot
Lat ° ' " or 44.28905556 DMS or DD
Long ° ' " or -120.84419444 DMS or DD
○ Street address of well ◉ Nearest address
WEST OF MAIN ST/CROOKED RIVER HWY
CROOKED RIVER PARK (DTW-2)

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	1/17/2018			4

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 13.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
11/7/2017	13	22	20			10
11/8/2017	32	133	20			4

(11) WELL LOG

Ground Elevation 2876.00

Material	From	To
FILL	0	2
CLAY SILT BROWN	2	6
CLAY SILT GRAY	6	13
GRAVELS	13	16
GRAVELS TIGHT LARGE	16	23
SILT CLAY GRAY	23	32
SAND FINE GRAY HEAVING	32	56
SAND TIGHT LOOSE LAYERS	56	133
CLAY GRAY	133	140

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Date Started 11/17/2017 Completed 1/17/2018

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

License Number 758 Date 2/18/2018
Signed THOMAS PECK (E-filed)

(bonded) Water Well Constructor Certification

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

License Number 1720 Date 2/18/2018
Signed JACK ABBAS (E-filed)
Contact Info (optional)

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

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

CROO 54592

2/18/2018

Map of Hole

STATE OF OREGON
WELL LOCATION MAP

This map is supplemental to the WATER SUPPLY WELL REPORT

Oregon Water Resources Department
725 Summer St NE, Salem OR 97301
(503)986-0900

LOCATION OF WELL

Latitude: 44.28905556 Datum: WGS84
Longitude: -120.84419444
Township/Range/Section/Quarter-Quarter Section:
WM 15S 16E 8 NWNW
Address of Well:
WEST OF MAIN ST/CROOKED RIVER HWY
CROOKED RIVER PARK (DTW-2)

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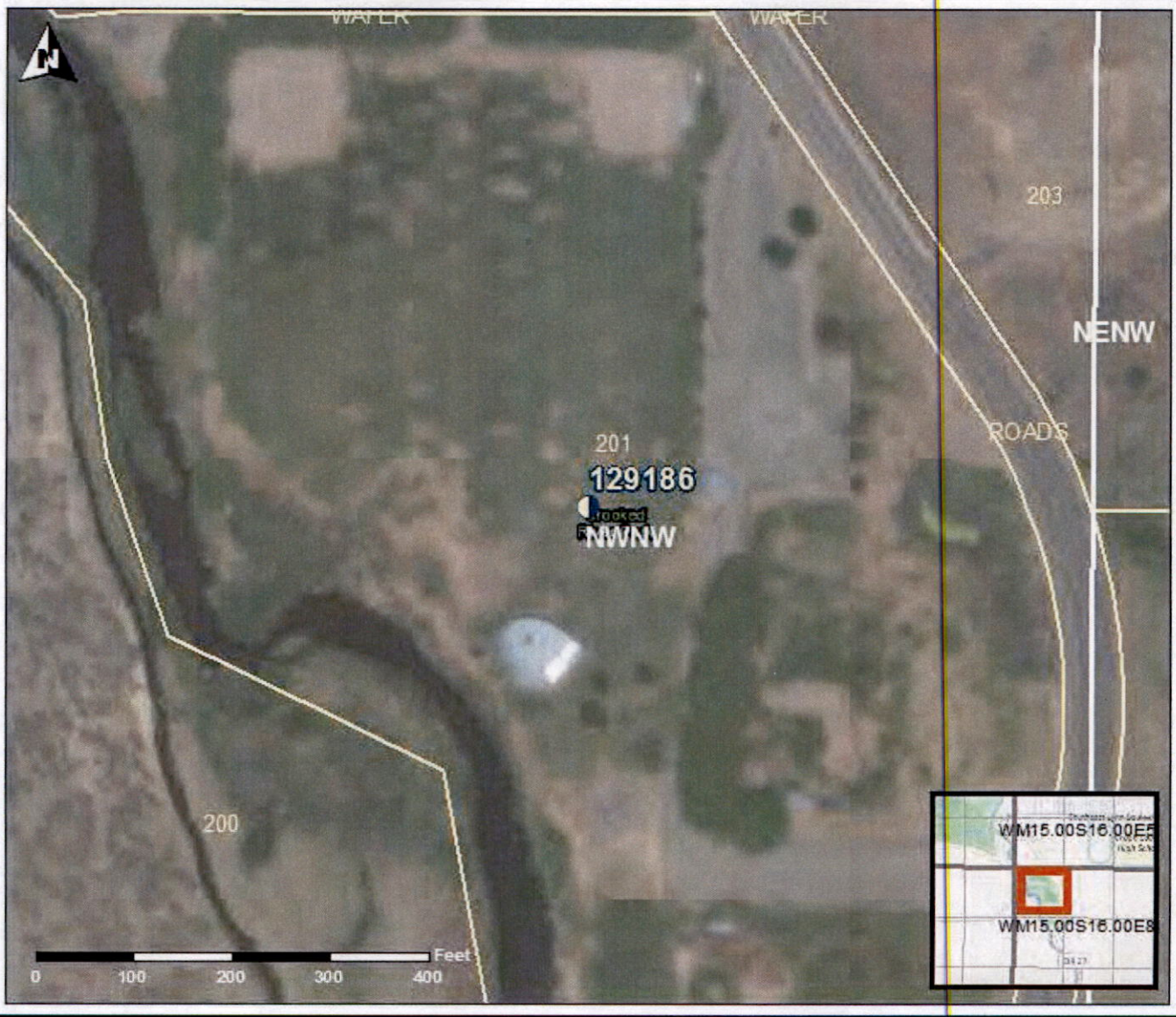
Well Label: 129186

Printed: February 18, 2018

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

Provided by well constructor



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

CROO 54834

11/7/2019

WELL I.D. LABEL# L 135398
START CARD # 1044270
ORIGINAL LOG #

(1) LAND OWNER

Owner Well I.D.
First Name Last Name
Company CITY OF PRINEVILLE C/O TAYLOR NW
Address PO BOX 6714
City BEND State OR Zip 97708

(2) TYPE OF WORK

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

(2a) PRE-ALTERATION

	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Casing:									

	Material	From	To	Amt	sacks/lbs
Seal:					

(3) DRILL METHOD

[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Cable Mud
[ ] Reverse Rotary [ ] Other

(4) PROPOSED USE

[ ] Domestic [ ] Irrigation [ ] Community
[ ] Industrial/ Commericial [ ] Livestock [ ] Dewatering
[ ] Thermal [ ] Injection [X] Other MUNICIPAL

(5) BORE HOLE CONSTRUCTION

Special Standard [ ] (Attach copy)
Depth of Completed Well 98.00 ft.

BORE HOLE

Dia	From	To
16	0	98

SEAL

Material	From	To	Amt	sacks/lbs
Bentonite Chips	0	6	10	S
		Calculated	8	
Cement	6	58	45	S
		Calculated	36	

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other POURED DRY
Backfill placed from ft. to ft. Material
Filter pack from 58 ft. to 98 ft. Material SAND Size 10/20
Explosives used: [ ] Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount Actual Amount

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
●	○	8	X	2	73	.250	●	○	X	
●	○	8		93	98	.250	●	○	X	
○	○						○	○		
○	○						○	○		
○	○						○	○		

Shoe [ ] Inside [ ] Outside [ ] Other Location of shoe(s)
Temp casing [X] Yes Dia 16 From +[X] 1 To 98

(7) PERFORATIONS/SCREENS

Perforations Method
Screens Type JOHNSON Material STAINLESS

Perf/ Screen	Casing/ Screen Liner	Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Casing	8	73	93	.01			

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

○ Pump ○ Bailer ◉ Air ○ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
50		90	1

Temperature 55 °F Lab analysis [ ] Yes By
Water quality concerns? [ ] Yes (describe below) TDS amount 273 ppm

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County CROOK Twp 15.00 S N/S Range 16.00 E E/W WM
Sec 8 NW 1/4 of the NW 1/4 Tax Lot 201
Tax Map Number Lot
Lat ° ' " or DMS or DD
Long ° ' " or DMS or DD
○ Street address of well ◉ Nearest address
CROOKED RIVER PARK

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	10/9/2019			9

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 24.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
10/7/2019	24	44	30			9
10/7/2019	55	89	50			9

(11) WELL LOG

Ground Elevation

Material	From	To
SAND	0	7
COBBELS LARGE	7	24
SILT SAND GRAY	24	44
SILT CLAY STREAKS	44	55
SAND GRAY SILT	55	89
CLAY BROWN	89	98

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NOV 07 2019
OWRD

Date Started 10/7/2019 Completed 10/10/2019

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

License Number 1852 Date 10/29/2019
Signed JEB ABBAS (E-filed)

(bonded) Water Well Constructor Certification

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

License Number 1720 Date 11/7/2019
Signed JACK ABBAS (E-filed)
Contact Info (optional)

ORIGINAL - WATER RESOURCES DEPARTMENT

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

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

CROO 54832

10/29/2019

WELL I.D. LABEL# L 135277
START CARD # 1044268
ORIGINAL LOG #

(1) LAND OWNER

Owner Well I.D.
First Name Last Name
Company CITY OF PRINEVILLE C/O TAYLOR NW
Address PO BOX 6714
City BEND State OR Zip 97708

(2) TYPE OF WORK

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

(2a) PRE-ALTERATION

	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Casing:									

	Material	From	To	Amt	sacks/lbs
Seal:					

(3) DRILL METHOD

[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Cable Mud
[ ] Reverse Rotary [ ] Other

(4) PROPOSED USE

[ ] Domestic [ ] Irrigation [ ] Community
[ ] Industrial/ Commericial [ ] Livestock [ ] Dewatering
[ ] Thermal [ ] Injection [X] Other MUNICIPAL

(5) BORE HOLE CONSTRUCTION

Special Standard [ ] (Attach copy)
Depth of Completed Well 84.00 ft.

BORE HOLE

Dia	From	To
16	0	84

SEAL

Material	From	To	Amt	sacks/lbs
Bentonite Chips	0	9	121	S
		Calculated	4	
Cement	9	51	45	S
		Calculated	30	

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other POURED DRY
Backfill placed from ft. to ft. Material
Filter pack from 51 ft. to 84 ft. Material SAND Size 10/20
Explosives used: [ ] Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount Actual Amount

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
●	○	8	X	1	60	.250	●	○	X	
●	○	8		80	84	.250	●	○	X	
○	○						○	○		
○	○						○	○		
○	○						○	○		

Shoe [ ] Inside [ ] Outside [ ] Other Location of shoe(s)
Temp casing [X] Yes Dia 16 From +[X] 0.5 To 84

(7) PERFORATIONS/SCREENS

Perforations Method
Screens Type JOHNSON Material STAINLESS

Perf/ Screen	Casing/ Screen Liner	Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Casing	8	60	80	.01			

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

○ Pump ○ Bailer ◉ Air ○ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
50		80	1

Temperature 55 °F Lab analysis [ ] Yes By
Water quality concerns? [ ] Yes (describe below) TDS amount 225 ppm

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County CROOK Twp 15.00 S N/S Range 16.00 E E/W WM
Sec 8 NW 1/4 of the NW 1/4 Tax Lot 201
Tax Map Number Lot
Lat ° ' " or DMS or DD
Long ° ' " or DMS or DD
○ Street address of well ◉ Nearest address
CROOKED RIVER PARK

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	10/7/2019			9

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 22.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
10/1/2019	22	44	30			9
10/2/2019	53	80	50			9

(11) WELL LOG

Ground Elevation

Material	From	To
CLAY SAND BROWN	0	4
GRAVELS CLAY	4	22
SAND SILT GRAY	22	44
SAND CLAY GRAY	44	53
SILT SAND	53	80
CLAY SAND GRAY BROWN STREAKS	80	84

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Date Started 10/1/2019 Completed 10/7/2019

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

License Number 1852 Date 10/29/2019
Signed JEB ABBAS (E-filed)

(bonded) Water Well Constructor Certification

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

License Number 1720 Date 10/29/2019
Signed JACK ABBAS (E-filed)
Contact Info (optional)

ORIGINAL - WATER RESOURCES DEPARTMENT

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

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

CROO 54833

10/29/2019

WELL I.D. LABEL# L 135282
START CARD # 1044269
ORIGINAL LOG #

(1) LAND OWNER

Owner Well I.D.
First Name Last Name
Company CITY OF PRINEVILLE C/O TAYLOR NW
Address PO BOX 6714
City BEND State OR Zip 97708

(2) TYPE OF WORK

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

(2a) PRE-ALTERATION

	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Casing:									

	Material	From	To	Amt	sacks/lbs
Seal:					

(3) DRILL METHOD

[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Cable Mud
[ ] Reverse Rotary [ ] Other

(4) PROPOSED USE

[ ] Domestic [ ] Irrigation [ ] Community
[ ] Industrial/ Commericial [ ] Livestock [ ] Dewatering
[ ] Thermal [ ] Injection [X] Other MUNICIPAL

(5) BORE HOLE CONSTRUCTION

Special Standard [ ] (Attach copy)
Depth of Completed Well 85.00 ft.

BORE HOLE

Dia	From	To
16	0	85

SEAL

Material	From	To	Amt	sacks/lbs
Concrete	0	6	22275	P
		Calculated	8000	
Cement	6	55	50	S
		Calculated	34	

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[ ] Other
Backfill placed from ft. to ft. Material
Filter pack from 55 ft. to 85 ft. Material SAND Size 10/20
Explosives used: [ ] Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount Actual Amount

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
●	○	8	X	1	60	.250	●	○	X	
●	○	8		80	85	.250	●	○	X	
○	○						○	○		
○	○						○	○		
○	○						○	○		

Shoe [ ] Inside [ ] Outside [ ] Other Location of shoe(s)
Temp casing [X] Yes Dia 16 From +[X] 1 To 85

(7) PERFORATIONS/SCREENS

Perforations Method
Screens Type JOHNSON Material STAINLESS

Perf/ Screen	Casing/ Screen Liner	Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Casing	8	60	80	.008			

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

( ) Pump ( ) Bailer (●) Air ( ) Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
50		80	1

Temperature 55 °F Lab analysis [ ] Yes By
Water quality concerns? [ ] Yes (describe below) TDS amount 275 ppm

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County CROOK Twp 15.00 S N/S Range 16.00 E E/W WM
Sec 8 NW 1/4 of the NW 1/4 Tax Lot 201
Tax Map Number Lot
Lat ° ' " or DMS or DD
Long ° ' " or DMS or DD
( ) Street address of well (●) Nearest address
CROOKED RIVER PARK

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	10/16/2019			9

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 10.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
10/9/2019	10	43	30			9
10/10/2019	55	83	50			9

(11) WELL LOG

Ground Elevation

Material	From	To
SAND	0	4
GRAVELS SAND	4	9
SAND GRAVELS	9	28
SAND GRAY	28	43
CLAY SILTY SAND GRAY	43	53
SAND GRAY	53	83
CLAY SILT	83	85

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Date Started 10/9/2019 Completed 10/16/2019

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

License Number 1852 Date 10/29/2019
Signed JEB ABBAS (E-filed)

(bonded) Water Well Constructor Certification

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

License Number 1720 Date 10/29/2019
Signed JACK ABBAS (E-filed)
Contact Info (optional)

ORIGINAL - WATER RESOURCES DEPARTMENT

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

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

CROO 54830
10/27/2019

WELL I.D. LABEL# L 135278
START CARD # 1045013
ORIGINAL LOG #

(1) LAND OWNER

Owner Well I.D.
First Name Last Name
Company CITY OF PRINEVILLE C/O TAYLOR NW
Address PO BOX 6714
City BEND State OR Zip 97708

(2) TYPE OF WORK

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

(2a) PRE-ALTERATION

	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Casing:									

	Material	From	To	Amt	sacks/lbs
Seal:					

(3) DRILL METHOD

[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Cable Mud
[ ] Reverse Rotary [ ] Other

(4) PROPOSED USE

[ ] Domestic [ ] Irrigation [ ] Community
[ ] Industrial/ Commericial [ ] Livestock [ ] Dewatering
[ ] Thermal [ ] Injection [X] Other MUNICIPAL

(5) BORE HOLE CONSTRUCTION

Special Standard [ ] (Attach copy)
Depth of Completed Well 92.00 ft.

BORE HOLE

Dia	From	To
16	0	93

SEAL

Material	From	To	Amt	sacks/lbs
Bentonite Chips	0	8	16	S
		Calculated	11	
Cement	11	55	44	S
		Calculated	32	

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other POURED DRY
Backfill placed from ft. to ft. Material
Filter pack from 55 ft. to 93 ft. Material SAND Size 10/20
Explosives used: [ ] Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount Actual Amount

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
●	○	8	X	1	63	.250	●	○	X	
●	○	8		88	93	.250	●	○	X	
○	○						○	○		
○	○						○	○		
○	○						○	○		

Shoe [ ] Inside [ ] Outside [ ] Other Location of shoe(s)
Temp casing [X] Yes Dia 16 From +[X] 0.5 To 93

(7) PERFORATIONS/SCREENS

Perforations Method
Screens Type JOHNSON Material STAINLESS

Perf/ Screen	Casing/ Screen Liner	Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Casing	8	63	88	.01			

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

○ Pump ○ Bailer ● Air ○ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
100		90	1

Temperature 55 °F Lab analysis [ ] Yes By
Water quality concerns? [ ] Yes (describe below) TDS amount 275 ppm

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County CROOK Twp 15.00 S N/S Range 16.00 E E/W WM
Sec 8 SW 1/4 of the NW 1/4 Tax Lot 201
Tax Map Number Lot
Lat ° ' " or DMS or DD
Long ° ' " or DMS or DD
○ Street address of well ● Nearest address
CROOKED RIVER PARK

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	9/13/2019			10

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 15.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
9/11/2019	15	88	50			10

(11) WELL LOG

Ground Elevation

Material	From	To
CLAY SAND	0	10
GRAVEL SAND	10	18
SILT SAND GRAY	18	45
SAND CLAY GRAY	45	56
SAND GRAY	56	88
CLAY SILT BROWN	88	93

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Date Started 9/11/2019 Completed 9/16/2019

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

License Number 1852 Date 10/27/2019
Signed JEB ABBAS (E-filed)

(bonded) Water Well Constructor Certification

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

License Number 1720 Date 10/27/2019
Signed JACK ABBAS (E-filed)
Contact Info (optional)

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

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

CROO 54831
10/27/2019

WELL I.D. LABEL# L 135283
START CARD # 1045010
ORIGINAL LOG #

(1) LAND OWNER

Owner Well I.D.
First Name Last Name
Company CITY OF PRINEVILLE C/O TAYLOR NW
Address PO BOX 6714
City BEND State OR Zip 97708

(2) TYPE OF WORK

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

(2a) PRE-ALTERATION

	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Casing:									

	Material	From	To	Amt	sacks/lbs
Seal:					

(3) DRILL METHOD

[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Cable Mud
[ ] Reverse Rotary [ ] Other

(4) PROPOSED USE

[ ] Domestic [ ] Irrigation [ ] Community
[ ] Industrial/ Commericial [ ] Livestock [ ] Dewatering
[ ] Thermal [ ] Injection [X] Other MUNICIPAL

(5) BORE HOLE CONSTRUCTION

Special Standard [ ] (Attach copy)
Depth of Completed Well 95.00 ft.

BORE HOLE

Dia	From	To
16	0	95

SEAL

Material	From	To	Amt	sacks/lbs
Bentonite Chips	0	2	4	S
		Calculated	3	
Cement	4	50	44	S
		Calculated	33	

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other POURED DRY
Backfill placed from ft. to ft. Material
Filter pack from 50 ft. to 95 ft. Material SAND Size 10/20
Explosives used: [ ] Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount Actual Amount

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
●	○	8	X	2	65	.250	●	○	X	
●	○	8		90	95	.250	●	○	X	
○	○						○	○		
○	○						○	○		
○	○						○	○		

Shoe [ ] Inside [ ] Outside [ ] Other Location of shoe(s)
Temp casing [X] Yes Dia 16 From + [X] 1 To 95

(7) PERFORATIONS/SCREENS

Perforations Method
Screens Type JOHNSON Material STAINLESS

Perf/ Screen	Casing/ Screen Liner	Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Casing	8	65	90	.01			

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

○ Pump ○ Bailer ◉ Air ○ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
100		90	1

Temperature 55 °F Lab analysis [ ] Yes By
Water quality concerns? [ ] Yes (describe below) TDS amount 310 ppm

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County CROOK Twp 15.00 S N/S Range 16.00 E E/W WM
Sec 8 SW 1/4 of the NW 1/4 Tax Lot 201
Tax Map Number Lot
Lat ° ' " or DMS or DD
Long ° ' " or DMS or DD
○ Street address of well ◉ Nearest address
CROOKED RIVER PARK

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	9/6/2019			10

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 11.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
8/30/2019	11	42	50			10
9/3/2019	57	90	100			10

(11) WELL LOG

Ground Elevation

Material	From	To
CLAY SAND	0	8
GRAVELS SAND	8	25
SAND GRAVEL GRAY	25	43
CLAY SILT GRAY	43	57
SAND LOOSE	57	91
SILTY CLAY GRAY	91	95

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OWRD

Date Started 8/30/2019 Completed 9/5/2019

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

License Number 1852 Date 10/27/2019
Signed JEB ABBAS (E-filed)

(bonded) Water Well Constructor Certification

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

License Number 1720 Date 10/27/2019
Signed JACK ABBAS (E-filed)
Contact Info (optional)

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

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

CROO 54829

10/27/2019

WELL I.D. LABEL# L 135284
START CARD # 1045009
ORIGINAL LOG #

(1) LAND OWNER

Owner Well I.D.
First Name Last Name
Company CITY OF PRINEVILLE C/O TAYLOR NW
Address PO BOX 6714
City BEND State OR Zip 97708

(2) TYPE OF WORK

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

(2a) PRE-ALTERATION

	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Casing:									

	Material	From	To	Amt	sacks/lbs
Seal:					

(3) DRILL METHOD

[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Cable Mud
[ ] Reverse Rotary [ ] Other

(4) PROPOSED USE

[ ] Domestic [ ] Irrigation [ ] Community
[ ] Industrial/ Commericial [ ] Livestock [ ] Dewatering
[ ] Thermal [ ] Injection [X] Other MUNICIPAL

(5) BORE HOLE CONSTRUCTION

Special Standard [ ] (Attach copy)
Depth of Completed Well 94.00 ft.

BORE HOLE

Dia	From	To
16	0	94

SEAL

Material	From	To	Amt	sacks/lbs
Bentonite Chips	0	11	134	S
		Calculated	15	
Cement	11	54	47	S
		Calculated	30	

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other POURED DRY
Backfill placed from ft. to ft. Material
Filter pack from 54 ft. to 94 ft. Material SAND Size 10/20
Explosives used: [ ] Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount Actual Amount

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
●	○	8	X	2	64	.250	●	○	X	
●	○	8		89	94	.250	●	○	X	
○	○						○	○		
○	○						○	○		
○	○						○	○		

Shoe [ ] Inside [ ] Outside [ ] Other Location of shoe(s)
Temp casing [X] Yes Dia 16 From +[X] 1 To 94

(7) PERFORATIONS/SCREENS

Perforations Method
Screens Type JOHNSON Material STAINLESS

Perf/ Screen	Casing/ Screen Liner	Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Casing	8	64	89	.01			

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

○ Pump ○ Bailer ◉ Air ○ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
100		90	1

Temperature 55 °F Lab analysis [ ] Yes By
Water quality concerns? [ ] Yes (describe below) TDS amount 310 ppm

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County CROOK Twp 15.00 S N/S Range 16.00 E E/W WM
Sec 8 SW 1/4 of the NW 1/4 Tax Lot 201
Tax Map Number Lot
Lat ° ' " or DMS or DD
Long ° ' " or DMS or DD
○ Street address of well ◉ Nearest address
CROOKED RIVER PARK

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	7/22/2019			5

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 13.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
7/15/2019	13	42	50			5
7/16/2019	57	88	100			5

(11) WELL LOG

Ground Elevation

Material	From	To
CLAY GRAVELS BROWN	0	10
GRAVELS GRAY SAND	10	21
SAND GRAY	21	42
CLAY STREAKS SAND GRAY	42	57
SAND LOOSE GRAY	57	88
CLAY GRAY	88	94

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OWRD

Date Started 7/15/2019 Completed 7/22/2019

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

License Number 1852 Date 10/27/2019
Signed JEB ABBAS (E-filed)

(bonded) Water Well Constructor Certification

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

License Number 1720 Date 10/27/2019
Signed JACK ABBAS (E-filed)
Contact Info (optional)

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

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

CROO 54810
9/8/2019

WELL I.D. LABEL# L 135225
START CARD # 1044260
ORIGINAL LOG #

(1) LAND OWNER

Owner Well I.D.
First Name Last Name
Company CITY OF PRINEVILLE C/O TAYLOR NW
Address PO BOX 6714
City BEND State OR Zip 97708

(2) TYPE OF WORK

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

(2a) PRE-ALTERATION

	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Casing:									

	Material	From	To	Amt	sacks/lbs
Seal:					

(3) DRILL METHOD

[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Cable Mud
[ ] Reverse Rotary [ ] Other

(4) PROPOSED USE

[ ] Domestic [ ] Irrigation [ ] Community
[ ] Industrial/ Commericial [ ] Livestock [ ] Dewatering
[ ] Thermal [ ] Injection [X] Other MUNICIPAL

(5) BORE HOLE CONSTRUCTION

Special Standard [ ] (Attach copy)
Depth of Completed Well 93.00 ft.

BORE HOLE

Dia	From	To
16	0	93

SEAL

Material	From	To	Amt	sacks/lbs
Bentonite Chips	0	8	51	S
		Calculated	11	
Cement	8	55	70	S
		Calculated	36	

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other POURED DRY
Backfill placed from ft. to ft. Material
Filter pack from 55 ft. to 93 ft. Material SAND Size 10/20
Explosives used: [ ] Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount Actual Amount

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
●	○	8	X	2	63	.250	●	○	X	
●	○	8		88	93	.250	●	○	X	
○	○						○	○		
○	○						○	○		
○	○						○	○		

Shoe [ ] Inside [ ] Outside [ ] Other Location of shoe(s)
Temp casing [X] Yes Dia 16 From +[X] 1 To 93

(7) PERFORATIONS/SCREENS

Perforations Method
Screens Type ROSCOE MOSS Material STAINLESS

Perf/ Screen	Casing/ Screen Liner	Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Casing	8	63	88	.01			

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

( ) Pump ( ) Bailer (•) Air ( ) Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
100		90	3

Temperature 55 °F Lab analysis [ ] Yes By
Water quality concerns? [ ] Yes (describe below) TDS amount 310 ppm

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County CROOK Twp 15.00 S N/S Range 16.00 E E/W WM
Sec 8 NW 1/4 of the NW 1/4 Tax Lot 201
Tax Map Number Lot
Lat ° ' " or 44.28727778 DMS or DD
Long ° ' " or -120.84413889 DMS or DD
( ) Street address of well (•) Nearest address
CROOKED RIVER PARK

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	8/16/2019			10

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 20.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
8/12/2019	20	45	20			8
8/13/2019	60	83	100			10

(11) WELL LOG

Ground Elevation 2861.00

Material	From	To
CLAY GRAVELS BROWN	0	10
GRAVELS SAND GRAY	10	20
SAND GRAY	20	45
SILT CLAY SAND GRAY	45	55
SAND LOOSE GRAY	55	83
CLAY STREAK SAND GRAY	83	88
CLAY GRAY	88	93

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Date Started 8/12/2019 Completed 8/16/2019

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

License Number 758 Date 9/8/2019
Signed THOMAS PECK (E-filed)

(bonded) Water Well Constructor Certification

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

License Number 1720 Date 9/8/2019
Signed JACK ABBAS (E-filed)
Contact Info (optional)

ORIGINAL - WATER RESOURCES DEPARTMENT

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

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

CROO 54810

9/8/2019

Map of Hole

STATE OF OREGON
WELL LOCATION MAP

This map is supplemental to the WATER SUPPLY WELL REPORT

Oregon Water Resources Department
725 Summer St NE, Salem OR 97301
(503)986-0900

LOCATION OF WELL

Latitude: 44.28727778 Datum: WGS84
Longitude: -120.84413889
Township/Range/Section/Quarter-Quarter Section:
WM 15S 16E 8 NWNW
Address of Well:
CROOKED RIVER PARK

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Well Label: 135225

Printed: September 8, 2019

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

Provided by well constructor

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

CROO 54789
8/8/2019

WELL I.D. LABEL# L 135218
START CARD # 1041948
ORIGINAL LOG #

(1) LAND OWNER
Owner Well I.D.
First Name Last Name
Company CITY OF PRINEVILLE C/O TAYLOR NW
Address PO BOX 6714
City BEND State OR Zip 97708

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

(2a) PRE-ALTERATION

	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Casing:									

	Material	From	To	Amt	sacks/lbs
Seal:					

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

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

(5) BORE HOLE CONSTRUCTION
Special Standard [ ] (Attach copy)
Depth of Completed Well 95.00 ft.

BORE HOLE

Dia	From	To
16	0	95

SEAL

Material	From	To	Amt	sacks/lbs
Bentonite Chips	0	5	12	S
		Calculated	7	
Concrete	5	32	20000	P
		Calculated	10000	

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other POURED DRY
Backfill placed from ft. to ft. Material
Filter pack from 55 ft. to 95 ft. Material SAND Size 10/20
Explosives used: [ ] Yes Type Amount

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

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
●	○	8	X	2	60	.250	●	○	X	
●	○	8		90	95	.250	●	○	X	
○	○						○	○		
○	○						○	○		
○	○						○	○		

Shoe [ ] Inside [ ] Outside [ ] Other Location of shoe(s)
Temp casing [X] Yes Dia 16 From +[X] 1 To 95

(7) PERFORATIONS/SCREENS
Perforations Method
Screens Type JOHNSON Material STAINLESS

Perf/ Screen	Casing/ Screen Liner	Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Casing	8	60	90	.01			

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

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
100		90	3

Temperature 59 °F Lab analysis [ ] Yes By
Water quality concerns? [ ] Yes (describe below) TDS amount 302 ppm

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)
County CROOK Twp 15.00 S N/S Range 16.00 E E/W WM
Sec 8 SW 1/4 of the NW 1/4 Tax Lot 201
Tax Map Number Lot
Lat ° ' " or 44.28708000 DMS or DD
Long ° ' " or -120.84390000 DMS or DD
○ Street address of well ◉ Nearest address
CROOKED RIVER PARK- S MAIN ST

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	8/5/2019			6

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 10.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
7/26/2019	10	51	50			8
7/29/2019	55	91	100	6	X	

(11) WELL LOG
Ground Elevation 2868.00

Material	From	To
SAND CLAY BROWN	0	6
GRAVEL CLAY BROWN	6	10
GRAVELS GRAY SAND	10	28
SAND SILTY GRAY	28	51
CLAY SILT CLAY	51	55
SAND FINE GRAVELS LENSES GRAY	55	91
CLAY GRAY	91	95

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Date Started 7/26/2019 Completed 8/5/2019

(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
License Number 758 Date 8/8/2019
Signed THOMAS PECK (E-filed)

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
License Number 1720 Date 8/8/2019
Signed JACK ABBAS (E-filed)
Contact Info (optional)

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

WATER SUPPLY WELL REPORT - continuation page

CROO 54789

8/8/2019

WELL I.D. LABEL# L 135218
START CARD # 1041948
ORIGINAL LOG #

(2a) PRE-ALTERATION

Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd

Material	From	To	Amt	sacks/lbs

Water Quality Concerns

From	To	Description	Amount	Units

(5) BORE HOLE CONSTRUCTION

BORE HOLE Dia	From	To

SEAL Material	From	To	Amt	sacks/lbs
Cement	32	55 Calculated	70 38	S
		Calculated		
		Calculated		
		Calculated		

FILTER PACK

From	To	Material	Size

(10) STATIC WATER LEVEL

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

(6) CASING/LINER

Casing Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd

(11) WELL LOG

Material	From	To

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(7) PERFORATIONS/SCREENS

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

Comments/Remarks

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

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

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

CROO 54789

8/8/2019

Map of Hole

STATE OF OREGON
WELL LOCATION MAP

This map is supplemental to the WATER SUPPLY WELL REPORT

Oregon Water Resources Department
725 Summer St NE, Salem OR 97301
(503)986-0900

OREGON WATER RESOURCES DEPARTMENT

LOCATION OF WELL

Latitude: 44.28708 Datum: WGS84
Longitude: -120.8439
Township/Range/Section/Quarter-Quarter Section:
WM 15S 16E 8 SWNW
Address of Well:
CROOKED RIVER PARK- S MAIN ST

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Well Label: 135218

Printed: August 8, 2019

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

Provided by well constructor

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

CROO 54869
3/25/2020

WELL I.D. LABEL# L 133398
START CARD # 1044271
ORIGINAL LOG #

(1) LAND OWNER

Owner Well I.D.
First Name Last Name
Company CITY OF PRINEVILLE C/O TAYLOR NW
Address PO BOX 6714
City BEND State OR Zip 97708

(2) TYPE OF WORK

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

(2a) PRE-ALTERATION

	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Casing:									

	Material	From	To	Amt	sacks/lbs
Seal:					

(3) DRILL METHOD

[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Cable Mud
[ ] Reverse Rotary [ ] Other

(4) PROPOSED USE

[ ] Domestic [ ] Irrigation [ ] Community
[ ] Industrial/ Commericial [ ] Livestock [ ] Dewatering
[ ] Thermal [ ] Injection [X] Other MUNICIPAL

(5) BORE HOLE CONSTRUCTION

Special Standard [ ] (Attach copy)
Depth of Completed Well 95.00 ft.

BORE HOLE

Dia	From	To
16	0	95

SEAL

Material	From	To	Amt	sacks/lbs
Bentonite Chips	0	8	40	S
		Calculated	12	
Cement	8	48	42	S
		Calculated	20	

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other POURED DRY
Backfill placed from ft. to ft. Material
Filter pack from 48 ft. to 95 ft. Material SAND Size 10/20
Explosives used: [ ] Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount Actual Amount

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
●	○	8	X	2	50	.250	●	○	X	
●	○	8		90	95	.250	●	○	X	
○	○						○	○		
○	○						○	○		
○	○						○	○		

Shoe [ ] Inside [ ] Outside [ ] Other Location of shoe(s)
Temp casing [X] Yes Dia 16 From +[X] 1 To 95

(7) PERFORATIONS/SCREENS

Perforations Method
Screens Type JOHNSON Material STAINLESS

Perf/ Screen	Casing/ Screen Liner	Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Casing	8	50	90	.01			

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

( ) Pump (●) Bailer ( ) Air ( ) Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
50	0		1

Temperature 58 °F Lab analysis [ ] Yes By
Water quality concerns? [ ] Yes (describe below) TDS amount 261 ppm

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County CROOK Twp 15.00 S N/S Range 16.00 E E/W WM
Sec 8 SW 1/4 of the NW 1/4 Tax Lot 201
Tax Map Number Lot
Lat ° ' " or 44.28680556 DMS or DD
Long ° ' " or -120.84383333 DMS or DD
( ) Street address of well (●) Nearest address
CROOKED RIVER PARK

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	5/31/2019			4

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 21.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
5/14/2019	21	90	50			4

(11) WELL LOG

Ground Elevation 2874.00

Material	From	To
CLAY SAND BROWN	0	4
COBBLES CLAY BROWN	4	21
SAND SILT FINE GRAY	21	26
SAND LOOSE LAYERS COARSE	26	90
CLAY PACK SAND GRAY	90	95

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Date Started 5/15/2019 Completed 5/21/2019

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

License Number 758 Date 3/25/2020
Signed THOMAS PECK (E-filed)

(bonded) Water Well Constructor Certification

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

License Number 1720 Date 3/25/2020
Signed JACK ABBAS (E-filed)
Contact Info (optional)

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

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

CROO 54869

3/25/2020

Map of Hole

STATE OF OREGON
WELL LOCATION MAP

This map is supplemental to the WATER SUPPLY WELL REPORT

Oregon Water Resources Department
725 Summer St NE, Salem OR 97301
(503)986-0900

OREGON WATER RESOURCES DEPARTMENT

LOCATION OF WELL

Latitude: 44.286805556 Datum: WGS84
Longitude: -120.843833333
Township/Range/Section/Quarter-Quarter Section:
WM15.00S16.00E8SWNW
Address of Well:
CROOKED RIVER PARK

Well Label: 133398

Printed: March 25, 2020

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

Provided by well constructor

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

CROO 54750

5/19/2019

WELL I.D. LABEL# L 133355
START CARD # 1041947
ORIGINAL LOG #

(1) LAND OWNER

Owner Well I.D. DT-17
First Name _____ Last Name _____
Company CITY OF PRINEVILLE C/O TAYLOR NW
Address PO BOX 6714
City BEND State OR Zip 97708

(2) TYPE OF WORK

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

(2a) PRE-ALTERATION

	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Casing:									

	Material	From	To	Amt	sacks/lbs
Seal:					

(3) DRILL METHOD

[X] Rotary Air [ ] Rotary Mud [X] Cable [ ] Auger [ ] Cable Mud
[ ] Reverse Rotary [ ] Other _____

(4) PROPOSED USE

[ ] Domestic [ ] Irrigation [ ] Community
[ ] Industrial/ Commericial [ ] Livestock [ ] Dewatering
[ ] Thermal [ ] Injection [X] Other MUNICIPAL

(5) BORE HOLE CONSTRUCTION

Special Standard [ ] (Attach copy)
Depth of Completed Well 85.00 ft.

BORE HOLE

Dia	From	To
16	0	85

SEAL

Material	From	To	Amt	sacks/lbs
Bentonite Chips	0	10	45	S
		Calculated	14	
Cement	10	53	73	S
		Calculated	30	

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other POURED DRY
Backfill placed from _____ ft. to _____ ft. Material _____
Filter pack from 53 ft. to 85 ft. Material SAND Size 10/20
Explosives used: [ ] Yes Type _____ Amount _____

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount Actual Amount

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
●		8	X	3	85	.250	●		X	

Shoe [ ] Inside [X] Outside [ ] Other Location of shoe(s) _____
Temp casing [X] Yes Dia 16 From + [X] 1 To 85

(7) PERFORATIONS/SCREENS

Perforations Method _____
Screens Type JOHNSON Material STAINLESS

Perf/ Screen	Casing/ Screen Liner	Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Casing	8	55	80	.008			

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

( ) Pump (●) Bailer ( ) Air ( ) Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
30	20		6

Temperature 53 °F Lab analysis [ ] Yes By _____
Water quality concerns? [ ] Yes (describe below) TDS amount 160 ppm

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County CROOK Twp 15.00 S N/S Range 16.00 E E/W WM
Sec 8 SW 1/4 of the NW 1/4 Tax Lot 201
Tax Map Number _____ Lot _____
Lat ___ ° ___ ' ___ " or _____ DMS or DD
Long ___ ° ___ ' ___ " or _____ DMS or DD
( ) Street address of well (●) Nearest address
CROOKED RIVER PARK- LYNN BLVD

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	5/8/2019			3

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 20.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
2/27/2019	20	48	30			2
2/28/2019	53	82	30			3

(11) WELL LOG

Ground Elevation _____

Material	From	To
CLAY GRAVELS COBBLES BROWN	0	21
SAND GRAY SILT	21	48
SAND GRAY CLAY	48	53
SAND LOOSE	53	82
SAND CLAY SILT	82	85

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Date Started 2/27/2019 Completed 5/8/2019

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

License Number 758 Date 5/8/2019
Signed THOMAS PECK (E-filed)

(bonded) Water Well Constructor Certification

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

License Number 1720 Date 5/19/2019
Signed JACK ABBAS (E-filed)
Contact Info (optional) _____

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

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

CROO 54588
2/16/2018

WELL I.D. LABEL# L 129187
START CARD # 1037839
ORIGINAL LOG #

(1) LAND OWNER
Owner Well I.D. DTW-3
First Name JIM Last Name NEWTON
Company CITY OF PRINEVILLE
Address 387 NE 3RD ST
City PRINEVILLE State OR Zip 97754

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

(2a) PRE-ALTERATION
	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Casing:									

	Material	From	To	Amt	sacks/lbs
Seal:					

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

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

(5) BORE HOLE CONSTRUCTION
Special Standard [ ] (Attach copy)
Depth of Completed Well 140.00 ft.

BORE HOLE

Dia	From	To
16	0	140

SEAL

Material	From	To	Amt	sacks/lbs
Bentonite Chips	0	7	28	S
		Calculated	10	
Cement	7	70	70	S
		Calculated	39	

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other POURED DRY
Backfill placed from ft. to ft. Material
Filter pack from 70 ft. to 140 ft. Material PEA GRAVEL Size pea gravel
Explosives used: [ ] Yes Type Amount

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

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
●	○	8	X	2	140	.250	●	○	X	
○	○						○	○		
○	○						○	○		
○	○						○	○		
○	○						○	○		

Shoe [ ] Inside [X] Outside [ ] Other Location of shoe(s)
Temp casing [X] Yes Dia 16 From +[X] 1 To 140

(7) PERFORATIONS/SCREENS
Perforations Method MACHINE
Screens Type Material

Perf/ Screen	Casing/ Screen Liner	Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Perf	Casing	8	80	140	.125	3	1824	

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

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
30	10		2

Temperature 54 °F Lab analysis [ ] Yes By
Water quality concerns? [ ] Yes (describe below) TDS amount 120 ppm

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)
County CROOK Twp 15.00 S N/S Range 16.00 E E/W WM
Sec 8 NW 1/4 of the NW 1/4 Tax Lot 203
Tax Map Number Lot
Lat ° ' " or 44.28961111 DMS or DD
Long ° ' " or -120.84225000 DMS or DD
○ Street address of well ● Nearest address
EAST OF MAIN ST/CRROKED RIVER HWY \NCROOKED RIVER PARK (DTW-3)

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	2/6/2018			4

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 10.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
1/19/2018	10	25	20			10
1/24/2018	70	112	20			4

(11) WELL LOG
Ground Elevation 2876.00

Material	From	To
CLAY SAND SILT	0	9
GRAVELS LARGE	9	25
SILT GRAY CLAY	25	70
SAND GRAY	70	112
SILTY GRAY SAND	112	140

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MAR 07 2022
OWRD

Date Started 1/19/2018 Completed 2/6/2018

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

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
License Number 1720 Date 2/16/2018
Signed JACK ABBAS (E-filed)
Contact Info (optional)

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

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

CROO 54588

2/16/2018

Map of Hole

STATE OF OREGON
WELL LOCATION MAP

This map is supplemental to the WATER SUPPLY WELL REPORT

Oregon Water Resources Department
725 Summer St NE, Salem OR 97301
(503)986-0900

LOCATION OF WELL

Latitude: 44.28961111 Datum: WGS84
Longitude: -120.84225

Township/Range/Section/Quarter-Quarter Section:
WM 15S 16E 8 NWNW

Address of Well:
EAST OF MAIN ST/CRROKED RIVER HWY
CROOKED RIVER PARK (DTW-3)

Well Label: 129187

Printed: February 16, 2018

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

Provided by well constructor

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amended 7/11/19

CROO 53215

Page 1 of 2

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

09-18-2006

WELL LABEL # L 82810

START CARD # 186472

(1) LAND OWNER

Owner Well I.D. Fairgrounds

First Name _____ Last Name _____

Company City of Prineville

Address 387 NE Third St

City Prineville State OR Zip 97754

(2) TYPE OF WORK

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

(3) DRILL METHOD

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

(4) PROPOSED USE

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

(5) BORE HOLE CONSTRUCTION

Special Standard ☐ (Attach copy)

Depth of Completed Well 195.00 ft.

BORE HOLE Dia	From	To	SEAL Material	From	To	Amt	sacks/ lbs
24	0	190	Cement	0	155	280	S
20	190	255					

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

☐ Other _____

Backfill placed from 225 ft. to 255 ft. Material gravel

Filter pack from 155 ft. to 159 ft. Material sand Size 20/40

Explosives used: ☐ Yes Type _____ Amount _____

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
●	○	20	☐	0	165	.375	●	○	☒	☐
●	○	12	☐	0	165	.375	●	○	☒	☐
●	○	12	☐	185	195	.375	●	○	☒	☐
○	○		☐				○	○	☐	☐
○	○		☐				○	○	☐	☐

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

Temp casing ☐ Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS

Perforations Method _____

Screens Type wire wrap Material 304 SS

Perf/ Screen	Casing/ Liner	Screen Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Casing	12	165	185	.125			12

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

● Pump ○ Bailer ○ Air ○ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
150	144	173	24

Temperature 57 °F Lab analysis ☐ Yes By _____

Water quality concerns? ☐ Yes (describe below)

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County Crook Twp 15.00 S N/S Range 16.00 E E/W WM

Sec 8 NE 1/4 of the NW 1/4 Tax Lot 203

Tax Map Number _____ Lot _____

Lat ° ' " or _____ DMS or DD

Long ° ' " or _____ DMS or DD

○ Street address of well ● Nearest address

1280 S. Main St (Crooked River Hwy), Prineville, OR 97754
approx 50 feet East of Crooked River Hwy and South of Fairgrounds entrance

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Predeepening			☐	
Completed Well	07-27-2006		☐	20.8

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES Depth water was first found 20

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
06-13-2006	20	185	160		☐	20.8
06-16-2006	195	200			☐	
06-23-2006	227	255			☐	215
					☐	
					☐	

(11) WELL LOG

Ground Elevation _____

Material	From	To
Gravel & sand	0	27
Silt to sand - grey	27	185
Clay	185	195
Sand & clay	195	200
Clay	200	227
Gravels - hard	227	233
Gravels & green siltstone	233	240
Sandstone - green to brown	240	255

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Date Started 06-06-2006 Completed 08-25-2006

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

License Number 1530 Date 09-18-2006

Electronically Filed

Signed STEVEN VIBBARD (E-filed)

(bonded) Water Well Constructor Certification

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

License Number 1523 Date 09-18-2006

Electronically Filed

Signed ROBERT STADELI (E-filed)

Contact Info (optional) _____

ORIGINAL - WATER RESOURCES DEPARTMENT

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

Form Version: 0.88

WATER SUPPLY WELL REPORT - continuation page

CROO 53215
CROO 53215
09-18-2006

WELL I.D. # L 82810
START CARD # 186472

(5) BORE HOLE CONSTRUCTION

BORE HOLE / SEAL

Dia	From	To	Material	From	To	Amt	sacks/ lbs

FILTER PACK

From	To	Material	Size
159	195	pea gravel	pea gravel

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd

(7) PERFORATIONS/SCREENS

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

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

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

Water Quality Concerns

From	To	Description	Amount	Units

(10) STATIC WATER LEVEL

Water Bearing Zones

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

(11) WELL LOG

Material	From	To

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Comments/Remarks

Back fill
- Pea Gravel: 195 - 197
- Cement: 197 - 225
- Pea Gravel: 225 - 255

Exhibit 1. Conservation Benchmarks Progress

Section Requirement	Sub-section Requirement	2016 Five-Year Water Conservation Benchmarks	2021 Water Conservation Benchmark Status
OAR 690-086-150 (4) A description of the specific activities, along with a schedule that establishes five-year benchmarks, for implementation of each of the following conservation measures that are required of all municipal water suppliers:	(a) An annual Water Audit that includes a systematic and documented methodology for estimating any un-metered authorized and unauthorized uses, and an analysis of the water supplier's own water use to identify alternatives to increase efficiency.	The City will continue to conduct annual water audits.	The City continues to conduct annual water audits by comparing water demand to metered water consumption. The City's water loss in 2020 was 5.0 percent and averaged 8.7 percent from 2016 through 2020.
	(b) If the system is not fully metered, a program to install meters on all un-metered Water Service Connections. The program shall start immediately after the plan is approved and shall identify the number of meters to be installed each year with full Metering completed within five years of approval of the water management and conservation plan.	The City will continue to require installation of meters on all new water connections.	The City continues to require installation of meters on all new water connections.
	(c) A meter testing and maintenance program.	The City will continue its residential meter replacement program. The City will continue to test its compound meters annually. In the next 2 years, the City will begin testing its wellhead meters annually.	The City continues to implement its residential meter replacement program. The City has nearly completed replacing all of its residential meters with AMR meters. The City has replaced a total of 2,114 meters since 2015. The City continues to test its compound meters annually. The City has ordered a test meter for checking and calibrating the wellhead meters, which will be used to test wellhead meters annually.
	(d) A rate structure under which customers' bills are based, at least in part, on the quantity of water metered at the service connections.	The City will continue to charge its customers based in part on the quantity of water being consumed.	The City continues to charge its customers based in part on the quantity of water being consumed. The City's water rate structure consists of a monthly rate based on meter size plus a commodity rate based on the volume of water consumed. In July 2021, the City implemented a three-tier commodity water rate structure for all customer categories to more equitably fund new infrastructure needed to meet increased water usage during periods of high demand and to encourage water conservation. Tier I consists of water use of up to 500% of the winter average consumption, being 5 CCF for single-family residential customers (0 CCF-25 CCF). Customers enter Tier II when their consumption is 500% through 750% of the winter average consumption (26 CCF-37 CCF), which results in the water rate increasing to 110% of the base consumption rate ($2.40/CCF versus $2.18/CCF). Customers enter Tier III when their consumption is 750% of winter average consumption or greater (38 CCF), which results in the water rate increasing to 125% of the base water consumption rate ($2.73/CCF versus $2.19/CCF).
	(e) If the annual Water Audit indicates that the system's Water Losses exceed 10 percent, within two years of approval of the water management and conservation plan, the water supplier shall provide a description and analysis identifying potential factors for the loss and selected actions for remedy, if actions identified do not result in the reduction of Water Losses to 10 percent or less, within five years of approval of the water management and conservation plan, the water supplier shall: develop and implement a regularly scheduled and systematic program to detect and repair leaks in the transmission and distribution system using methods and technology appropriate to the size and capabilities of the Municipal Water Supplier or a line replacement program detailing the size and length of pipe to be replaced each year; or, develop and implement a water loss control program consistent with American Water Works Association's standards.	The City will continue its regularly scheduled and systematic leak detection program. The City will continue to aim to replace at least 2,000 feet of aging pipeline per year. The City will continue to monitor consumption data recorded by AMR meters for signs of potential leaks.	The City continues to implement a regularly scheduled and systematic leak detection program, which includes replacing pipelines according to a prioritized list, conducting regular visual inspections of pipelines, and monitoring water consumption data collected from customer meters. The City continues to aim to replace at least 2,000 feet meeting pipeline per year. From 2015 through 2021, the City replaced an annual average of approximately 2,300 linear feet of pipeline and replacement from year to year ranged from 0 linear feet to 5,791 linear feet depending on available budget. The City continues to monitor consumption data reported by AMR meters for signs of potential leaks. The City recently upgraded its software to be able to collect daily meter reads, which will enhance its leak detection capabilities.
	(f) A public education program commensurate to the size of the Municipal Water Supplier to encourage efficient indoor and outdoor water use that includes regular communication of the supplier's water conservation activities and schedule to customers. In	The City will continue to implement its current public education program. Within the next year, the City will add indoor and outdoor water conservation information to its newly designed website, which the City began using in Spring 2016 and currently does not include water conservation information. (The old website did include water conservation information.) In the next 2 years, the City will begin to staff a booth encouraging water conservation at one community event all each year.	The City continues to implement its public education program. The City promotes water conservation through monthly billing messages, 1/3 page front and back billing inserts in July and September, a full-page billing insert in June, an article for the City newsletter in August, the annual Consumer Confidence Reports, a poster, and its website (more details below). In addition, the City created a flyer for new customers that encourages water conservation, describes three water conservation items offered by the City, and provides water conservation tips. The City has won two Excellence in Communications Awards from the Pacific Northwest Section of the American Water Works Association: one in 2019 for a billing insert and one in 2020 for its new customer flyer. The City continues to annually give at least two grade school presentations, as well as several presentations to local groups. The City also continues to provide free water conservation items (lawn watering gauges, leak detection tablets, faucet aerators, and showerheads) to customers upon the request. The City added indoor and outdoor water conservation information to its new website in 2018. The website describes: free water conservation items available to customers; how to identify and fix leaks in the home; water efficient appliances and fixtures; how to irrigate efficiently; fixtures to improve irrigation efficiency; water -wise landscaping; and how the City is working to conserve water and its water conservation accomplishments. The website also provides water conservation tips and helpful links. The City decided not to staff a booth encouraging water conservation and instead to invest more resources into promoting water conservation to the public through written materials and providing free water conservation items. The City also continues to give presentations as described above.

Exhibit 1. Conservation Benchmarks Progress Continued

Section Requirement	Sub-section Requirement	2016 Five-Year Water Conservation Benchmarks	2021 Water Conservation Benchmark Status
OAR 690-086-150 (5) If the Municipal Water Supplier serves a population greater than 1,000 and proposes to expand or initiate diversion of water under an Extended Permit for which resource issues have been identified under OAR 690-086-0140(5)(i), or if the Municipal Water Supplier serves a population greater than 7,500, a description of the specific activities, along with a schedule that establishes five-year Benchmarks, for implementation of each of the following measures; or documentation showing that implementation of the measures is neither feasible nor appropriate for ensuring the efficient use of water and the prevention of waste:	(a) Technical and financial assistance programs commensurate to the size of the Municipal Water Supplier to encourage and aid residential, commercial and industrial customers in implementation of conservation measures.	In the next 5 years, the City will explore the cost effectiveness of offering additional free items at the City Hall counter, such as hose timers.	The City contracted with GSI Water Solutions Inc. (GSI) to conduct a water conservation program water savings and cost-effectiveness analysis using the Decision Support System (DSS) Model developed by Maddaus Water Management, Inc. (Maddaus). GSI partnered with subcontractor Maddaus to conduct the analysis. The City completed the Water Conservation Program Water Savings and Cost-effectiveness Analysis in November 2021. As part of a larger analysis of different water conservation programs consisting of different individual measures, the City analyzed the cost effectiveness of individual water conservation measures, including offering free drip irrigation kits and free restaurant spray nozzles, as well as a current conservation measure of offering free faucet aerators and showerheads. The analysis indicated that all three conservation measures were cost-effective based on assumptions in the model (e.g., number of accounts targeted, costs of free items and administration, water savings potential, and length of time the measure is run).
	(b) Supplier financed retrofitting or replacement of existing inefficient water using fixtures, including distribution of residential conservation kits and rebates for customer investments in water conservation.	In the next 5 years, City staff will provide an evaluation of water-efficient appliance and toilet rebates, and then present the evaluation to the City Council for consideration.	As described above, the City completed the Water Conservation Program Water Savings and Cost-effectiveness Analysis in November 2021. As part of a larger analysis of different water conservation programs consisting of different individual measures, the City analyzed the cost effectiveness of individual measures, including offering rebates for high-efficiency toilets, residential clothes washers, commercial clothes washers, weather-based irrigation controllers, rotating sprinkler nozzles, and soil moisture sensors. The analysis indicated that all of these rebates were cost-effective based on model assumptions, except residential clothes washers. Residential clothes washers were not cost effective overall due to the large investment required by water customers compared to the rebate amount. The City wants to align information from the Water Conservation Program Water Savings and Cost-effectiveness Analysis with the Water Master Plan, which is currently in development. Thus, the City plans to have City Council consider both documents upon completion of the Water Master Plan.
	(c) Adoption of rate structures, billing schedules, and other associated programs that support and encourage water conservation;	The City will continue to charge its customers based in part on the quantity of water consumed. The City will continue to bill customers monthly, to show historical water consumption in online water bills, and to include water conservation messages in water bills.	As described above, the City continues to charge its customers based in part on quantity of water consumed and implemented a three-tier water rate structure July 2021. The City continues to bill customers monthly, to show historical water consumption online water bills, and to include water conservation messages in water bills. Since 2018, the City has included a billing insert promoting water conservation in three separate water bills in summer and has included monthly billing messages within the water bills.
	(d) Water reuse, recycling, and non-potable water opportunities.	In the next 5 years, the City will identify and investigate at least two water reuse, recycling, and non-potable water opportunities.	The City hired consultants to conduct an approximately $1 million analysis of the potential for water reuse in the data centers in its water service area owned by Meta (formerly Facebook) and Apple. The analysis, completed in 2018, presented potential reuse options, which Meta and Apple are considering. The City only focused on this data center reuse investigation given the large scope of the project.
	(e) Any other conservation measures identified by the water supplier that would improve water use efficiency.	The City will continue to encourage water conservation through the ordinances described above. The City will continue to encourage high water use facilities to develop internal water conservation plans.	The City continues to encourage water conservation through its ordinances. The City continues to encourage water use facilities to develop internal water conservation plans. The City has been working with Meta and Apple to explore water conservation opportunities for the data centers, including the previously described reuse analysis, and has discussed the importance of water conservation protocols in its operations.

Attachment F

Form M

Groundwater Permit Application – City of Prineville

Oregon Water Resources Department

FORM M

FOR MUNICIPAL AND QUASI-MUNICIPAL WATER SUPPLIES

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

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

Water Supplier Information

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

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

Name of Water Supplier/Entity	Name of Service Area	Governance	Contact Person
City of Prineville	City of Prineville	Municipal	Eric Klann
List any water suppliers within the same service area and/or any self-supplied industrial user. (Attach an extra sheet, if necessary.)			
See Appendix I			

Request for Additional Water

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

Reason(s) for the Request for Additional Water	Time Table for Development of the Additional Water	Justification for Water Source & Amount Requested
Develop water supply to meet City of Prineville's projected demands.	Within 20 years of permit issuance.	The City's projected peak demands are projected to exceed the maximum authorized rate of the City's developed water rights. Expansion of the City's water treatment plant and the wellfield that supplies the plant is the most cost-effective way to meet the City's demands.

Water Management and Conservation

- Do you have an approved Water Management and Conservation Plan? ☒ Yes ☐ No
- List the "In-Effect" date of your most recently approved Water Management and Conservation Plan: **1/25/2017**
- Is your system fully metered? ☒ Yes ☐ No
- Do you perform annual water audits? ☒ Yes ☐ No
- Annual amount of water produced (MG): 688.0 MG *(diverted or appropriated)*
- Annual amount of water billed for (MG): 653.7 MG *(metered consumption)*
- Identify your system's current annual water loss: 5% *(difference between the amount of water produced and the water billed for)*
- Describe your rate structure and billing schedule: Monthly rate plus increasing tiered commodity rate. *[e.g., commodity rate (uniform rate, declining or inverted block rate); fixed charge with a commodity rate; or a fixed charge and commodity rate using a seasonal differential.]*

Population

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

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

Present Population being Served:	**Source of Information**
10,292	2021 PSU population estimates of 11,042, plus 301 people outside City limits on City-supplied water, less 1,057 people within City limits on private water sources (11,042 + 301 – 1057)
Historic population growth rate over the past 10 years:	**Source of Information**
1.76 percent AAGR from 2011 through 2021. Most growth occurred more recently—AAGR of 2.71 percent from 2016 through 2021.	Portland state Population Research Center estimate for 2011, 2016, and 2021.
Projected Population to be Served in 20 Years:	**Source of Estimate/Method Used**
14,900	Portland State Population Research Center projected average annual growth rate for Prineville UGB from 2021 through 2023 (1.36 percent) applied to current UGB population of 11,042 (i.e., assumes no more self-supplied water within city limits by 2043).

Current Water Supply

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

Water Source		Application	Permit	Certificate	Priority Date	Authorized Rate (cfs)	Actively Used for Municipal Demand
Prineville Valley Aquifer (Deep)	Barney	G-6313	G-9154	94816	10/5/1973	1.35	Yes
	Stearns #2						Yes
	Stadium	G-12344	G-11993	87714	12/14/1990	0.60	Yes
				-		0.34	Yes
	4th Deep	U-402	U-372	94817	12/8/1950	0.43	Yes
	Ochoco Heights	U-147	U-140	94819	5/20/1942	0.66	No - Plan to replace
	Yancey 1	U-241	U-215	94815	6/17/1947	0.49	No - Plan to replace
	Lamonta	G-605	G-506	94818	4/5/1957	0.51	No - Plan to replace
	Yancey 2	G-6313	G-9154	T-13176	10/5/1973	0.21	Yes
		U-402	U-372		12/8/1950	0.32	Yes
		U-241	U-215		6/17/1947	0.31	Yes
		G-605	G-506		4/5/1957	0.26	Yes
		U-147	U-140		5/20/1942	0.14	Yes
		U-140	U-133		5/16/1941	0.10	Yes
	Lamonta 2	G-13238	G-18482	T-13026	1/6/1993	3.99	Yes
				T-13446		0.00	Yes
Airport Aquifer	Airport 1,2, 3, and 4	G-15974	G-17577	-	3/31/2003	1.72	Yes
	Airport 1,2, 3, and 4	G-16900	G-18155	-	6/27/2007	2.23	Yes
Deschutes Regional Aquifer	Wells 5 - 9			-		5.79	No - not yet developed.
Les Schwab Well Field	New Valley Floor Wells 1-25	G-18662	G-18154	-	4/25/2018	4.46	Yes - water use began Summer 2021
Sources Not Connected to Municipal Supply	Ochoco Creek (surface water)			531	1879	"A reasonable amount for municipal purposes" and 5 cfs for irrigation.	No - No Ochoco Creek flow available during peak season.
	4th Shallow	U-396	U-370	88146	10/11/1950	0.30	No - Poor water quality
	Freight Depot Well	G-605	G-506	89853	4/5/1957	0.33	No - Poor water quality
Other Non-Municipal Water Rights	Northridge A	G-13280	G-13280	-	2/5/1993	0.15	No – not for municipal supply
	Stearns #1	G-3139	G-2919	57438	6/17/1965	0.25	No – not for municipal supply
	Simmons Well	G-13068	G-12511	87724	8/7/1992	0.67	No – not for municipal supply

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

The City's water rights effectively authorize the use of four sources of water: the Prineville Valley Aquifer, the Les Schwab Wellfield, the Airport Area Aquifer and the Deschutes Regional Aquifer. This application would allow the City to increase the maximum rate of diversion from the Les Schwab Wellfield to 8.92 cfs from the currently authorized 4.46 cfs under permit G-18154. This would enable the Les Schwab wellfield to continue to provide water for Aquifer Storage and Recovery in the Airport Area Aquifer while also helping the City to meet maximum operational demands through 2043.

Current Water Use

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

Current Demands for Water (Year: 2021)

***This table includes only sources connected to municipal supply from the "Current Water Supply" table above.**

Water Source		Application	Permit	Certificate	Peak and Maximum Demands		Average Demands	
					Maximum Instantaneous (gpm)	Maximum Daily (MG)	Average Daily (MG)	Average Annual (MG)
Prineville Valley Aquifer (Deep)	Barney	G-6313	G-9154	94816	605	0.77	0.47	169.76
	Stearns #2							
	Stadium	G-12344	G-11993	87714	225	1.18	0.07	26.36
				-				
	4th Deep	U-402	U-372	94817	193	0.33	0.11	41.59
	Ochoco Heights	U-147	U-140	94819	0	0	0.00	0.00
	Yancey 1	U-241	U-215	94815	0	0	0.00	0.00
	Lamonta	G-605	G-506	94818	0	0	0.00	0.00
	Yancey 2	G-6313	G-9154	T-13176	550	1.02	0.46	168.00
		U-402	U-372					
		U-241	U-215					
		G-605	G-506					
		U-147	U-140					
		U-140	U-133					
	Lamonta 2	G-13238	G-18482	T-13026 T-13446	505	0.68	0.17	60.87
Airport Aquifer	Airport 1,2, 3, and 4	G-15974	G-17577	-	1770	2.55	0.40	146.61
	Airport 1,2, 3, and 4	G-16900	G-18155	-				
Deschutes Regional Aquifer	Wells 5 - 9			-	N/A – Not yet developed		N/A – Not yet developed	
Les Schwab Well Field	New Valley Floor Wells 1-25	G-18662	G-18154	-	1500	1.97	0.20	74.8

- Per-capita daily demand (in gallons): **180** ***does not include commercial customers in service population.**
  (Divide average annual water sales by population to arrive at consumption, and then divide by 365 to get daily values.)
- Peak season (by month/day): **June** to **September**
- Peak Season number of hours diverted/pumped (if available): **24**
- Peak season per-capita daily consumption (in gallons): **641** ***does not include commercial customers in service population.**
  (Divide total peak season demand by population and the number of days during the peak.)
- Peaking Factor (ratio between max day demand and average day demand): **2.52**

Projected Water Use

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

Projected Demands for Water in 20 Years (Year: 2021)

***This table includes only sources connected to municipal supply from the "Current Water Supply" table above.**

Water Source		Application	Permit	Certificate	Maximum Demands		Average Demands	
					Maximum Instantaneous (gpm)	Maximum Daily (MG)	Average Daily (MG)	Average Annual (MG)
Prineville Valley Aquifer (Deep)	Barney	G-6313	G-9154	94816	2016	2.90	4.04	1,476
	Stearns #2							
	Stadium	G-12344	G-11993	87714				
				-				
	4th Deep	U-402	U-372	94817				
	Ochoco Heights	U-147	U-140	94819				
	Yancey 1	U-241	U-215	94815				
	Lamonta	G-605	G-506	94818				
	Yancey 2	G-6313	G-9154	T-13176				
		U-402	U-372					
		U-241	U-215					
		G-605	G-506					
		U-147	U-140					
		U-140	U-133					
	Lamonta 2	G-13238	G-18482	T-13026 T-13446				
Airport Aquifer	Airport 1,2, 3, and 4	G-15974	G-17577	-	1770	2.55		
	Airport 1,2, 3, and 4	G-16900	G-18155	-				
Deschutes Regional Aquifer	Wells 5 - 9			-	2599	3.74		
Les Schwab Well Field	New Valley Floor Wells 1-25	G-18662	G-18154	-	2000	2.88		
		This Application			2000	2.88		

- Current average per capita demand (in gallons): **180**
- Projected population served in year **(2043): 14,900**
- Projected average annual demand (MG): **1,476**
- Projected average daily demand (MG): **4.04**
- Current peaking value: **2.52**
- Projected maximum daily demand (MG): **12.63**

Source or Methodology Used for Demand Projections:

The City's current WMCP, approved in January 2017, forecasts water demands through 2035 based on the number of acres available within the City's UGB. Projected water demands for undeveloped acres anticipated that development (residential, commercial, large commercial) would be consistent with corresponding water customer classes. The City identified three growth scenarios for each customer category and corresponding average annual growth rates:

Customer Category	Projected Water Use AAGR - Low	Projected Water Use AAGR - Medium	Projected Water Use AAGR - High
Residential	2.81%	3.69%	4.44%
Commercial	1.79%	2.49%	3.10%
Large Commercial	3.73%	5.84%	7.32%
Total	**2.63%**	**3.62%**	**4.44%**

While the City's annual and average day demands increased at an AAGR of 3.47 percent from 2015 through 2021, the AAGR for the City's maximum day demand was 5.41 percent over the same period, exceeding the projected AAGR for the high growth scenario of 4.44 percent. The City's new data and monitoring capabilities also allow the City to track demands throughout the day. During the peak demand period during 2021, the City did utilize all of its Airport Aquifer and Valley Floor Deep Wells to meet demands, a rate of 8.74 cfs (the Les Schwab Wellfield was not fully operational until September 2021).

In revisiting the demand forecast from the City's WMCP, the City applied an AAGR of 4.44 percent to its observed 2021 maximum operational demand (the maximum rate of pumping sustained for a period of hours) of 8.74 cfs. This results in a projected maximum operational demand through 2043 of 23.2 cfs.

Following a similar approach as that used for the WMCP, the City's current reliable maximum rate of water supply is 12.45 cfs, including 4.05 cfs from the Valley Floor Aquifer (an increase of approximately 1 cfs compared to the 2017 WMCP due to replacement of existing wells), 3.94 cfs from the Airport Aquifer, and 4.46 cfs from the Les Schwab wellfield. In order to meet forecast peak operational demand in 2043, the City will need to develop an additional 10.75 cfs of water supply capacity. The undeveloped portion of permit G-18155 authorizes the use of 5.79 cfs, leaving the City with a projected need of 4.96 cfs.

In order to meet this demand, the City is proposing to develop an additional 4.46 cfs of water supply capacity from the Les Schwab wellfield. Expansion of water treatment capacity at the Les Schwab wellfield is a cost-effective solution, as production capacity can be expanded to 4,000 gpm (8.92 cfs) within the footprint of the existing water treatment plant.

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

The maximum authorized rate of use from the Airport Aquifer is limited to 1,000 gpm under a condition in permit G-18155 (an additional 770 gpm is authorized under Permit G-17577, for a total of 1,770 gpm).

Annual Water Use by Type

In the table below, list the quantity of water diverted for each type of water use and the percentage of the total diversion associated with that use type: **Based on 2020 consumption data. Projected water use by customer category is based on land use buildout projections developed for 2015 WMCP, but have been scaled to reflect projected growth in annual demands rather than the maximum day demand.**

Type	Current Use		Use In 20 Years	
	Quantity Diverted (MG):	Percentage of Total Diversion:	Projected Quantity to be Diverted (MG):	Percentage of Total Diversion:
Residential:	355.4	51%	653.4	44%
Commercial:	135.8	21%	185.8	13%
Institutional[1]:	N/A	N/A	N/A	N/A
Agricultural[2]:	N/A	N/A	N/A	N/A
Industrial (Large Commercial):	162.5	24%	562.6	38%
Other: (specify use)	N/A	N/A	N/A	N/A
System Water Loss:	34.3	5%	73.2	5%
Total Diverted:	688	100%	1,401.9	100%

[1]: Institution use includes water served to hospitals, federal, state, or municipal connections, and school districts.
[2]: Agricultural use includes any type of customer with a service connection dedicated for the raising of livestock or edible or non-edible crops.

Last revision: May 1, 2018/WRSD

Appendix I: Self-supplied water suppliers within City of Prineville Water Service Area

PWS ID	PWS Name	Regulating Agency	Owner Type
OR4101169	BARNES BUTTE HOA	County	Private
OR4190647	BLM CHIMNEY ROCK REC SITE (HP)	County	Federal Government
OR4101315	BOTTERO PARK IMPROVEMENT DIST	County	Local Government
OR4195307	COOLER BAR	County	Private
OR4106110	DRY CREEK AIRPARK	County	Private
OR4101353	HAPPY HOLLOW WATER COMPANY	County	Private
OR4101457	HIGH DESERT ESTATES	County	Private
OR4101195	HIGHLAND SUBDIVISION WD	County	Private
OR4101208	IDLEWAY IMPROVEMENT DISTRICT	County	Private
OR4100678	JASPER KNOLLS WATER DISTRICT	County	Local Government
OR4194695	JUNIPER GROVE RV PARK	County	Private
OR4195346	KINGDOM HALL/JWC	County	Private
OR4105879	MCDOUGAL WATER SYSTEM	County	Private
OR4194816	MISSIONARY BAPTIST CHURCH	County	Private
OR4193965	OCHOCO CHRISTIAN CONFERENCE CENT	County	Mixed (Public/Private)
OR4191016	OCHOCO LAKE CO PARK	County	Local Government
OR4100680	OCHOCO VALLEY HOME IMPROV DIST	County	Private
OR4100681	OCHOCO WEST WTR & SAN AUTHORITY	County	Private
OR4190775	OPRD JASPER POINT CG	County	State Government
OR4191015	OPRD PRINEVILLE RESERVOIR PARK	County	State Government
OR4193727	PAULINA ELEMENTARY CO UNIT	County	Local Government
OR4193728	POWELL BUTTE COMMUNITY CHARTER S(	County	Local Government
OR4192154	PRINEVILLE GOLF & COUNTRY CLUB	County	Private
OR4101317	PRINEVILLE MOBILE HOME PARK	County	Private
OR4190518	PRINEVILLE RESERVOIR RESORT	County	Private
OR4100682	PRINEVILLE, CITY OF	State - Reg 1	Local Government
OR4100683	QUAIL VALLEY PARK IMPROV DIST	County	Local Government
OR4194293	RICHIS PLACE	Dept of Ag.	Private
OR4105239	SHOUN CROSSROADS	County	Private
OR4194836	SUN ROCKS RV PARK	County	Private
OR4105258	SUNSET HILLS SUBDIVISION	County	Private
OR4100193	TERRACE MOBILE PLAZA	County	Private
OR4105998	WESTRIDGE SUBDIVISION	County	Private

Attachment G

Land Use Information Form

Groundwater Permit Application – City of Prineville

GSI
Water Solutions, Inc.

March 3, 2022

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

RE: City of Prineville Water Right Application

To whom it may concern:

Please find enclosed a groundwater permit application for the City of Prineville. The City is proposing to appropriate up to 4.46 cfs from 21 proposed points of appropriation.

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

Sincerely,
GSI Water Solutions, Inc.

Owen McMurtrey

Owen McMurtrey
Water Resources Consultant

Cc: Eric Klann, City Engineer and Public Works Director, City of Prineville
Mike Kasberger, Assistant City Engineer, City of Prineville

Enclosures: Groundwater Permit Application and Attachments

Minimum Requirements Checklist

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

Include this checklist with the application

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

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

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

Include the following additional items:

- ☒ Land Use Information Form with approval and signature of local planning department (*must be an original*) or signed receipt. **See Attachment G**
- ☒ 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 C**
- ☒ Fees - Amount enclosed: **$12,430**
  See the Department's Fee Schedule at www.oregon.gov/owrd or call (503) 986-0900.
- ☒ Map that includes the following items **(See Attachment A)**:
  - ☒ 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)

Attachment A

Permit Application Map

Groundwater Permit Application – City of Prineville

From: MUCKEN Alyssa M * WRD
To: Owen McMurtrey
Subject: RE: Map Scale Waiver for City of Prineville Permit Application
Date: Thursday, January 27, 2022 4:03:46 PM

Hi Owen, the Department approves a map scale of 1 inch = 3,000 feet for the place of use map.

My apologies for the delay.

Alyssa

Alyssa Mucken
Water Rights Section Manager
Oregon Water Resources Department
Cell: 503-871-6964

From: Owen McMurtrey <OMcMurtrey@gsiws.com>
Sent: Thursday, January 13, 2022 5:30 PM
To: MUCKEN Alyssa M * WRD <Alyssa.M.MUCKEN@water.oregon.gov>
Subject: Map Scale Waiver for City of Prineville Permit Application

Hi Alyssa,

Hope all is well with you.

I'm writing to request a map scale waiver for the City of Prineville. We are seeking a waiver only for the proposed place of use map for a new permit application to be submitted soon. The POA map is at an approved 1"=400' scale.

Will the department grant a map scale waiver?

Thanks,

Owen

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

Attachment B

Well Access Agreement

Groundwater Permit Application – City of Prineville

Attachment C

Legal Description of Property

Groundwater Permit Application – City of Prineville

Well 3	CROO 54593
Well 6	CROO 54785
Well 7	CROO 54792
Well 8	CROO 54592
Well 9	CROO 54834
Well 10	CROO 54832
Well 11	CROO 54833
Well 13	CROO 54830
Well 15	CROO 54831
Well 16	CROO 54829
Well 17	CROO 54810
Well 18	CROO 54789
Well 19	CROO 54869
Well 22	CROO 54750
Well 24	CROO 54588
Well 26	CROO 53215

Attachment D

Well Logs

Groundwater Permit Application – City of Prineville

Attachment E

WMCP Progress Report Excerpts

Groundwater Permit Application – City of Prineville