

Checklist for Claims of Beneficial Use Received at CSG Counter

Application #	WRD Reviewer <i>Cory M.</i>
Transfer # <i>T-6319</i>	
Date Received <i>2/17/21</i>	
CWRE Name <i>Brian Allen</i>	

Priority Date: *3/11/1921*
Fees Required:

YES NO A fee of \$200 must accompany this form for permits with priority dates of July 9, 1987, or later.

YES **(NO)** A fee of \$200 must accompany this form for any transfers including a water right with a priority date of July 9, 1987, or later.

Example – A transfer involves 5 rights and one of the rights has a priority date of July 9, 1987, or later, the fee is required.

Fill in App or Transfer Number

Map Review:

- Map on polyester film (OAR 690-014-0170(1) & 310-0050(1)(b))
- Application & permit #; or transfer # (OAR 690-014-0100(1))
- Disclaimer (OAR 690-014-0170(5))
- North arrow (OAR 690-310-0050(2)(c))
- CWRE stamp and signature (OAR 690-014 & 310-0050)
- Appropriate scale (1" = 1320', 1" = 400', or the original full-size scale of the county assessor map) (014 & 310)
- Township, range, section, and tax lot numbers (OAR 690-310-0050(4))

MONEY SLIP	
DATE:	RECEIPT #:
RECEIVED FROM:	APPLICATION PERMIT TRANSFER
CASH CHECK # OTHER (IDENTIFY)	TOTAL RECD. \$
1583 TREASURY 4178 MISC CASH ACCT.	
0407 COPIES OTHER (IDENTIFY)	\$
0243 Indirect Lease 0244 Main Water Right Plan 0245 Cont. Water	
1583 TREASURY 4270 WRD OPERATING ACCT.	
MISCELLANEOUS	
0407 COPY & TAPE FEES <i>4611</i>	\$
0410 RESEARCH FEES	\$
0408 MISC REVENUE (IDENTIFY)	\$
TC182 DEPOSIT LAB (IDENTIFY)	\$
0242 EXTENSION OF TIME	\$
WATER RIGHTS	EXAM FEE RECORD FEE
0201 SURFACE WATER	\$ 0202 \$
0203 GROUND WATER	\$ 0204 \$
0205 TRANSFER	\$ \$
WELL CONSTRUCTION	EXAM FEE RECORD FEE
0218 WELL DRILL CONSTRUCTOR	\$ 0219 \$
LANDOWNER'S PERMIT OTHER (IDENTIFY) <i>COBU</i>	\$ 0220 \$ <i>3200.00</i>
0627 TREASURY 0447 HYDROELECTRICS	
0223 POWER LICENSE FEE (PWRD)	LIC NUMBER \$
0231 HYDRO LICENSE FEE (PWRD)	\$
HYDRO APPLICATION	\$
SPECIAL INSTRUCTIONS:	

Report Review:

- On form provided by the Department (OAR 690-014-0100(1))
- Application & permit #; or transfer # (OAR 690-014)
- Ownership information (OAR 690-014)
- Date of survey (OAR 690-014)
- Person interviewed (OAR 690-014)
- County (OAR 690-014)
- CWRE stamp and signature (OAR 690-014-0100)
- Signature(s) of all permittee of transfer holder (OAR 690-014-0100)

Groundwater File Review: *MA*

Pump Test Required? YES NO Pump Test Submitted? YES NO*

*If no, include pump test flyer w/acknowledgment letter

RETURN TO APPLICANT – LETTER ATTACHED

**CLAIM OF
BENEFICIAL USE
for Transfer New or Additional
POD Only**



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

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A fee of \$200 must accompany this form for any Transfer final orders including a water right with a priority date of July 9, 1987, or later.

Example – A transfer involves 5 rights and one of the rights has a priority date of July 9, 1987, or later, the fee is required.

A separate form shall be completed for each transfer.

This form is subject to revision. **Begin each new claim** by checking for a new version of this form at:
<https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>

The completion of this form is required by OAR 690-014-0100(1) and 690-014-0110(4).

Please type or print in dark ink. If this form is found to contain errors or omissions, it may be returned to you. **Every item must have a response.** If any requested information does not apply to the claim, insert "NA." **Do not delete or alter any section of this form unless directed by the form.** The Department may require the submittal of additional information from any water user or authorized agent.

"Section 8" of this form is intended to aid in the completion of this form and should not be submitted.

A claim of beneficial use includes both this report and a map. If the map is being mailed separately from this form, please include a note with this form indicating such.

If you have questions regarding the completion of this form, please call 503-986-0900 and ask for the Certificate Section.

The Department has a program that allows it to enter into a voluntary agreement with an applicant for expedited services. Under such an agreement, the applicant pays the cost to hire additional staff that would not otherwise be available. This program means a certificate may be issued in about a month. For more information on this program see:

<https://www.oregon.gov/OWRD/programs/WaterRights/RA/Pages/default.aspx>

SECTION 1

GENERAL INFORMATION

Type of Authorized Change

This Claim is being submitted for a transfer where the only authorized change was a change in either point(s) of diversion or additional point(s) of diversion, or a combination of both. **YES**

If additional changes were authorized, you will need to select a different form.

1. File Information

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APPLICATION #
T-6319

2. Property Owner (current owner information)

APPLICANT/BUSINESS NAME City of Molalla		PHONE NO. (503) 829-6855	ADDITIONAL CONTACT NO.
ADDRESS PO BOX 248			
CITY Molalla	STATE OR	ZIP 97038	E-MAIL gfisher@cityofmolalla.com

If the current property owner is not the transfer holder of record, it is recommended that an assignment be filed with the Department. **Each** transfer holder of record must sign this form.

3. Transfer holder of record (this may, or may not, be the current property owner)

TRANSFER HOLDER OF RECORD City of Molalla		
ADDRESS PO BOX 248		
CITY Molalla	STATE OR	ZIP 97038

4. Date of Site Inspection:

11/04/2020

5. Person(s) interviewed and description of their association with the project:

NAME	DATE	ASSOCIATION WITH THE PROJECT
Andy Peters	11/04/2020	Public Works Operations Supervisor

6. County:

Clackamas

7. If any property described in the place of use of the transfer final order is excluded from this report, identify the owner of record for that property (ORS 537.230(5)):

OWNER OF RECORD NA		
ADDRESS NA		
CITY NA	STATE NA	ZIP NA

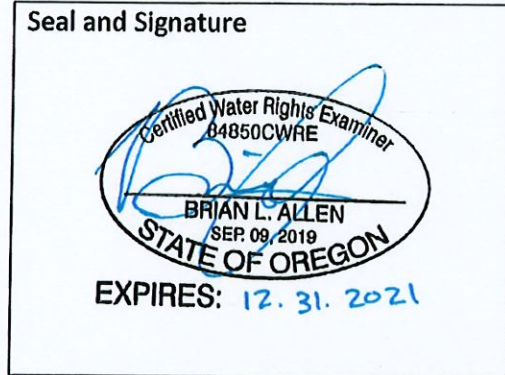
Add additional tables for owners of record as needed

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SECTION 2
 SIGNATURES

CWRE Statement, Seal and Signature

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge.



CWRE NAME Brian Allen		PHONE NO. (541) 269-0732	ADDITIONAL CONTACT NO. (503) 551-9008	
ADDRESS 1330 Teakwood Avenue				
CITY Coos Bay	STATE OR	ZIP 97420	E-MAIL ballen@dyerpart.com	

Transfer Holder of Record Signature or Acknowledgement

Each transfer holder of record must sign this form in the space provided below.

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge. I request that the Department issue a water right certificate.

SIGNATURE	PRINT OR TYPE NAME	TITLE	DATE
	Gerald Fisher	Public Works Director	02/09/21

**SECTION 3
CLAIM DESCRIPTION**

Note: The Claim only needs to describe the new or additional point(s) of diversion. This Claim does not need to provide information for the original point(s) of diversion unless the original point of diversion is either a new or additional point of diversion on another right involved in this transfer.

1. New or additional point of diversion name or number:

POINT OF DIVERSION (POD) NAME OR NUMBER (CORRESPOND TO MAP)	SOURCE
POD WITH FISH SCREEN	Molalla River

2. Variations:

Was the use developed differently from what was authorized by the transfer final order, **NO** or extension final? If yes, describe below.

(e.g. "The order allowed three new/additional points of diversion. The water user only developed one of the points.")

NA

3. Claim Summary:

NEW OR ADDITIONAL POD NAME OR #	MAXIMUM RATE AUTHORIZED IN ORDER	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED
POD WITH FISH SCREEN	4.0 cfs	8.4 cfs	6.17 cfs

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**SECTION 4
SYSTEM DESCRIPTION**

Are there multiple new or additional Points of Diversion (POD)s? NO

If "YES" you will need to copy and complete a separate Section 4 for each POD.

POD Name or Number this section describes (only needed if there is more than one):

A. POD System Information

Provide the following information concerning the point of diversion. Information provided must describe the equipment used to appropriate water from the point of diversion.

1. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Fairbanks Morse Pump	14M 2 STG	M216096	Vertical Turbine Pump	10"	8"
Fairbanks Morse Pump	12M-7000W	T4A2441638 A	Vertical Turbine Pump	10"	6"
Fairbanks Morse Pump	14M	1974364	Vertical Turbine	14.75"	10"

2. Motor Information

MANUFACTURER	HORSEPOWER
US Electric Motors	100 HP
US Electric Motors	75 HP
Emerson Motor Company	100 HP

3. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
100	73.2	10-feet	153-feet	8.4

4. Provide pump calculations:

The major loss portion of the total dynamic head condition is approximated using the Hazen-William Major Loss equation. The calculations are based on steady state and incompressible fluid assumptions with an ordinary high-water level of 393.0' as indicated in original pump station design. See Attachment 4 for calculations.

5. Measured Pump Capacity (using meter if meter was present and system was operating)

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
NA	NA	60 Seconds	6.17 cfs

Reminder: For pump calculations use the reference information at the end of this document.

B. Gravity Flow Pipe

(THE DEPARTMENT TYPICALLY USES THE HAZEN-WILLIAM'S FORMULA FOR A GRAVITY FLOW PIPE SYSTEM)

1. Does the diversion involve a gravity flow pipe?

If "NO", items 2 through 4 relating to this section may be deleted.

2. Complete the table:

PIPE SIZE	PIPE TYPE	"C" FACTOR	AMOUNT OF FALL	LENGTH OF PIPE	SLOPE	COMPUTED RATE OF WATER FLOW (IN CFS)
24-inches	Ductile Iron	140	0.99-feet	300-feet	0.0033ft/ft (0.33 %)	17.02 cfs

3. Provide calculations:

There are two sections of gravity flow pipe. One section is 24-inches and the other section is 20-inches. The limiting section is the 24-inch section which has a smaller slope. See Attachment 5 for calculations.

4. If an actual measurement was taken, provide the following:

DATE OF MEASUREMENT	WHO MADE THE MEASUREMENT	MEASUREMENT METHOD	MEASURED QUANTITY OF WATER (IN CFS)
NA	NA	NA	NA

Attach measurement notes.

C. Gravity Flow Canal or Ditch

(THE DEPARTMENT TYPICALLY USES MANNING'S FORMULA FOR CANALS AND DITCHES)

1. Does the diversion involve a gravity flow ditch or canal?

NO

If "NO", items 2 through 4 relating to this section may be deleted.

2. Complete the table:

CANAL OR DITCH TYPE (MATERIAL)	TOP WIDTH OF CANAL OR DITCH	BOTTOM WIDTH OF CANAL OR DITCH	DEPTH	"N" FACTOR	AMOUNT OF FALL	LENGTH OF CANAL / DITCH	SLOPE	COMPUTED RATE (IN CFS)
NA	NA	NA	NA	NA	NA	NA	NA	NA

3. Provide calculations:

NA

4. If an actual measurement was taken, provide the following:

DATE OF MEASUREMENT	WHO MADE THE MEASUREMENT	MEASUREMENT METHOD	MEASURED QUANTITY OF WATER (IN CFS)
NA	NA	NA	NA

Attach measurement notes.

D. Additional notes or comments related to the system:

The 1996 raw water pump station and fish screen drawings are located in Attachment 2.

SECTION 5 CONDITIONS

All conditions contained in the transfer final order, or any extension final order shall be addressed. Reports that do not address all performance related conditions will be returned.

1. Time Limits:

Describe how the water user has complied with each of the development timelines established in the transfer final order and any extensions of time issued for the transfer:

	DATE FROM TRANSFER	DATE THE NEW AND/OR ADDITIONAL POD(S) WERE READY FOR USE *THIS DATE MUST FALL BETWEEN THE "ISSUANCE DATE" AND THE "COMPLETENESS DATE"
ISSUANCE DATE	09/07/1999	
COMPLETENESS DATE FROM ORDER (C)	10/01/2004	10/19/2020

* MUST BE WITHIN PERIOD BETWEEN TRANSFER FINAL ORDER, OR ANY EXTENSION FINAL ORDER ISSUANCE AND THE DATE TO COMPLETE THE CHANGE

2. Is there an extension final order(s)?

YES NO

If "NO", you may delete the following table.

If for a transfer extension order, provide the following information:

VOLUME	PAGE	DATE EXTENDED TO
105	99	October 1, 2022

3. Measurement Conditions:

a. Does the transfer final order, or any extension final order require the installation of a meter or other approved measuring device?

YES

If "NO", items b through f relating to this section may be deleted.

Reminder: If a meter or approved measuring device was required, the COBU map must indicate the location of the device in relation to the point of diversion.

b. Has a meter been installed?

YES

c. Meter Information

POD NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
L0236-10	McCrometer	16-13012	Working	NA	November 2016
Promag L	Endless & Hauser	R2074F1 600	Working	NA	October 2020

If a meter has been installed, items d through f relating to this section may be deleted.

4. Recording and reporting conditions

a. Is the water user required to report the water use to the Department? **YES**

If "NO", item b relating to this section may be deleted.

b. Have the reports been submitted? **YES**

If the reports have not been submitted, attach a copy of the reports if available.

5. Fish Screening

a. Are any points of diversion required to be screened to prevent fish from entering the point of diversion? **YES**

If "NO", items b through e relating to this section may be deleted.

Reminder: If fish screening devices were required, the COBU map must indicate their location in relation to the point of diversion.

b. Has the fish screening been installed? **YES**

c. When was the fish screening installed?

DATE	BY WHOM
9/13/1996	Clearwater Construction Company

Reminder: If the permit or transfer final order was issued on or after February 1, 2011, the fish screen is required to be approved by the Oregon Department of Fish and Wildlife regardless of the rate of diversion.

d. If the diversion involves a pump *and* the total diversion rate of all rights at the point of diversion is less than 225 gpm (0.5 cfs) and the permit was issued prior to February 1, 2011:

- Has the self-certification form previously been submitted to the Department? **NA** If not, go to <https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>, complete and attach a copy of the 'ODFW Small Pump Screen Self Certification' form to this claim, and send a copy of it to the Oregon Department of Fish and Wildlife (ODFW).

Reminder: Failure to submit evidence of a timely installed fish screen may result in an unfavorable determination. The ODFW self certification form needs to have been previously submitted or be attached to this form.

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e. If the diversion does **not involve a pump** or the **total** diversion rate of all rights at the point of diversion is 225 gpm (0.5 cfs) or greater:

- Has the ODFW approval been previously submitted?

NA

If not, contact and work with ODFW to ensure compliance. To demonstrate compliance, provide signed documentation from ODFW. A form is available at:

<https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>

Reminder: Failure to submit evidence of a timely installed fish screen may result in an unfavorable determination. In order to receive a favorable approval, the ODFW/WRD "Fish Screen Inspection" form needs to have been previously submitted or be attached to this form.

6. By-pass Devices

a. Are any points of diversion required to have a by-pass device to prevent fish from entering the point of diversion?

NO

7. Other conditions required by the transfer final order or extension final order:

a. Was the water user required to restore the riparian area if it was disturbed?

NO

b. Was a fishway required?

NO

c. Other conditions?

YES

If "YES" to any of the above, identify the condition and describe the water user's actions to comply with the condition(s):

1. The proposed change shall be completed on or before October 1, 2004.

2. The quantity of water diverted at the new point of diversion shall not exceed the quantity of water lawfully available at the original point of diversion.

3. The water user shall install and maintain a headgate, an in-line flow meter, weir, or other suitable device for measuring and recording the quantity of water diverted. The type and plans of the headgate and measuring device must be approved by the Department prior to beginning construction and shall be installed under the general supervision of the Department.

4. The water user shall install and maintain a suitable measuring device, including the capability for remote access of data, for measuring and recording the quantity of water available at the old point of diversion. The type and plans of the headgate and measuring device must be approved by the Department prior to beginning construction and shall be installed under the general supervision of the Department.

5. The water user shall operate and maintain the headgate and measuring devices, as needed. The water user shall report total flow figures when requested by the Watermaster. The Watermaster may operate the headgate and monitor the accuracy of the measuring devices, as needed.

6. Water shall be acquired from the same surface water source as the original point of diversion.

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SECTION 6
ATTACHMENTS

Provide a list of any additional documents you are attaching to this report:

ATTACHMENT NAME	DESCRIPTION
Attachment #1	Claim of Beneficial Use Map - Point of Diversion Transfer
Attachment #2	1996 Water Intake and Pump Station Plans
Attachment #3	Fish Screening Documentation
Attachment #4	Theoretical Pumping Rate Calculations
Attachment #5	Gravity Flow Piping Calculations
Attachment #6	Order Approving a Change in Point of Diversion
Attachment #7	Water Right Documentation
Attachment #8	Flowmeter Reading
Attachment #9	Trout Creek Gauge Station Documentation
Attachment #10	Water Use Documentation
Attachment #11	Remonumentation Survey Document

SECTION 7
CLAIM OF BENEFICIAL USE MAP

The Claim of Beneficial Use Map must be submitted with this claim. Claims submitted without the Claim of Beneficial Use map will be returned. The map shall be submitted on polyester film at a scale of 1" = 1320 feet, 1" = 400 feet, or the original full-size scale of the county assessor map for the location.

For the purpose of this Claim, the map identifying the location of the place of use does not require a new survey. The location of the place of use identified on the Claim map should be based on the original right of record at the time the transfer final order was issued. In transfers approved for additional points of diversion, the original points must be identified the map based on the original right of record at the time the transfer final order was issued.

Provide a general description of the survey method used to prepare the map. Examples of possible methods include, but are not limited to, a traverse survey, GPS, or the use of aerial photos. If the basis of the survey is an aerial photo, provide the source, date, series and the aerial photo identification number.

Survey Method:

The City of Molalla has a good understanding of their municipal water system and assisted the CWRE during a site on November 4, 2020. The survey was completed by using a Trimble Geoexplorer 6000 GPS unit. The horizontal accuracy was approximately 6-inches. The GPS unit was centered above the shot location and points where taken after satellite configuration yielded an accuracy of 6-inches. The GPS unit exported survey points as northing and easting to three decimal places. The northing and easting survey points were uploaded into AutoCAD Civil 3D to generate the COBU map.

Section Corner:

The closest government established section corner is located within the main channel of the Molalla River. Due to the allusive nature of the Molalla River and the depth of water the section corner was not witnessed. The original position of the section corner was determined using a remonumentation record and witness monument established the Clackamas County Surveyor. The witness monument was located as described in the remonumentation record. The section corner was projected using the bearing and distance described in the witness corner.

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Map Checklist

Please be sure that the map you submit includes ALL the items listed below.
(Reminder: Incomplete maps and/or claims may be returned.)

- Map on polyester film
- Appropriate scale (1" = 400 feet, 1" = 1320 feet, or the original full-size scale of the county assessor map)
- Township, Range, Section, Donation Land Claims, and Government Lots
- If irrigation, number of acres irrigated within each projected Donation Land Claims, Government Lots, Quarter-Quarters
- Locations of fish screens and/or fish by-pass devices in relationship to point of diversion
- Locations of meters and/or measuring devices in relationship to point of diversion or appropriation
- Conveyance structures illustrated (pumps, reservoirs, pipelines, ditches, etc.) ***Not required for this type of Claim of Beneficial Use**
- Point(s) of diversion or appropriation (illustrated and coordinates)
- Tax lot boundaries and numbers
- Source illustrated if surface water
- Disclaimer ("This map is not intended to provide legal dimensions or locations of property ownership lines")
- Application and permit number or transfer number
- North arrow
- Legend
- CWRE stamp and signature

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Attachment #1 Claim of Beneficial Use Map - Point of Diversion Transfer

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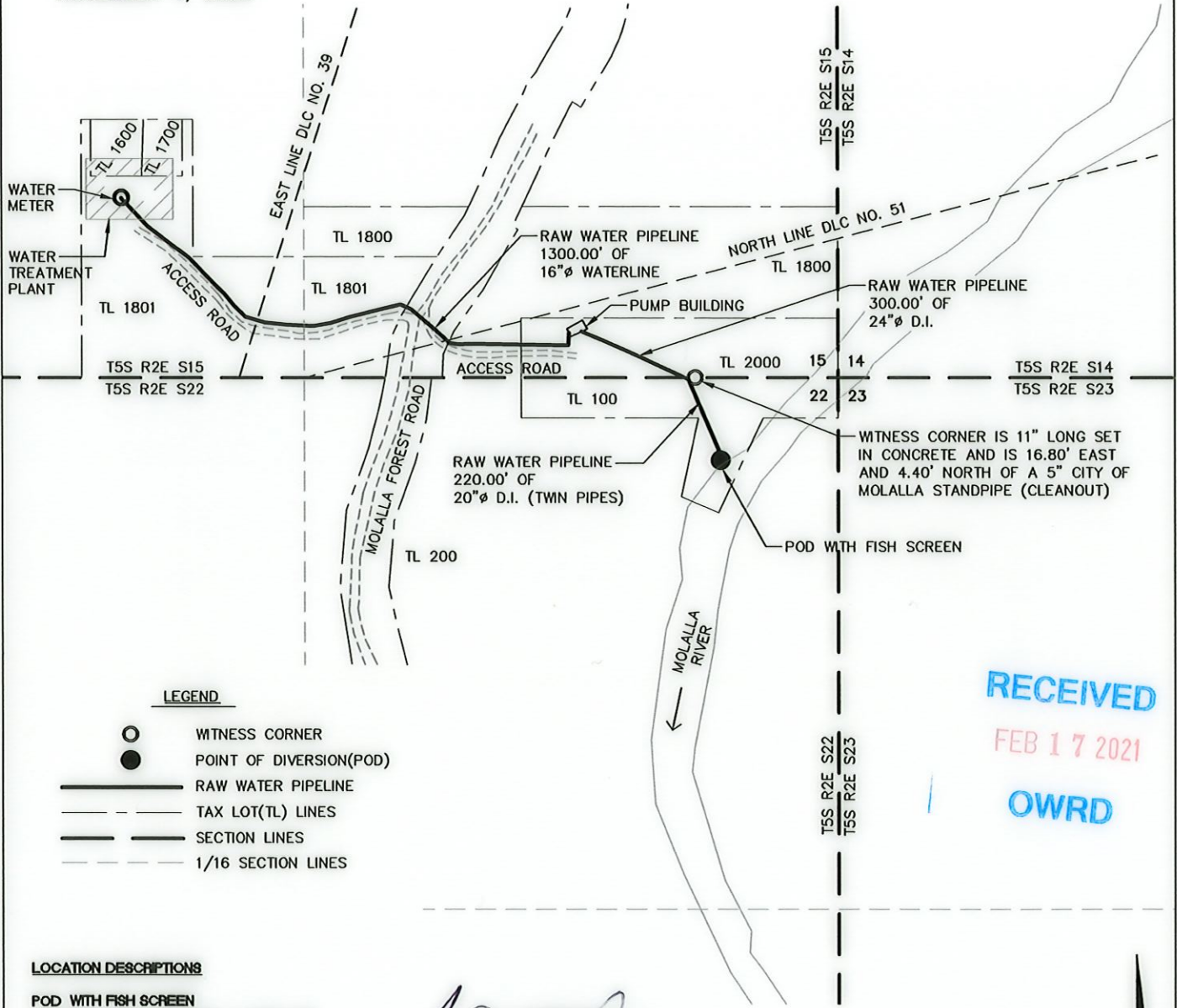
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CLAIM OF BENEFICIAL USE: POINT OF DIVERSION MAP
 TRANSFER T-6319 (PERMIT S-4980)
 SECTIONS 15 & 22
 TOWNSHIP 5S, R2E, W.M. CLACKAMAS COUNTY OREGON

IN THE NAME OF
 CITY OF MOLALLA, OREGON
 NOVEMBER 4, 2020

\\dyer2\dyer-part\AProjects\198 Molalla\198.23 Trout Creek Water Transfer\DWG\198.23 COBU Map T-6319.dwg 1/26/2021 3:52:47 PM



- LEGEND**
- WITNESS CORNER
 - POINT OF DIVERSION(POD)
 - RAW WATER PIPELINE
 - TAX LOT(TL) LINES
 - SECTION LINES
 - 1/16 SECTION LINES

LOCATION DESCRIPTIONS

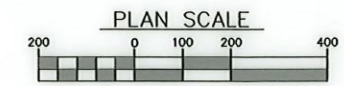
POD WITH FISH SCREEN
 SOUTH 54' 51' 45" WEST A DISTANCE OF 356.2' FROM THE NORTHEAST CORNER OF SECTION 22, TOWNSHIP 5 SOUTH, RANGE 2 EAST (W.M.)

WATER METER
 NORTH 75' 50' 53" WEST, A DISTANCE OF 1827.3' FROM THE NORTHEAST CORNER OF SECTION 22, TOWNSHIP 5 SOUTH, RANGE 2 EAST (W.M.)

WITNESS CORNER
 354.13' WEST FROM THE NORTHEAST CORNER OF SECTION 22, TOWNSHIP 5 SOUTH, RANGE 2 EAST (W.M.)

CERTIFIED WATER RIGHTS EXAMINER
 #84850CWRE
 BRIAN L. ALLEN
 SEP. 9, 2019
 STATE OF OREGON

EXPIRATION DATE: 12-31-21



DISCLAIMER: THIS MAP IS FOR THE PURPOSE OF IDENTIFYING THE LOCATION OF THE WATER RIGHT ONLY AND IS NOT INTENDED TO PROVIDE LEGAL DIMENSIONS OR LOCATIONS OF PROPERTY LINES.

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THE DYER PARTNERSHIP ENGINEERS & PLANNERS, INC. DATE: NOV 2020 PROJECT NO.: 198.43	CITY OF MOLALLA TROUT CREEK WATER RIGHTS TRANSFER CLAIM OF BENEFICIAL USE	FIGURE NO. 1
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