

Application for a Permit to Use Ground Water



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

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JUL 16 2018

SECTION 1: APPLICANT INFORMATION AND SIGNATURE

Applicant Information

NAME RICHARD W. TODD		PHONE (HM) (503) 232-2600	OWRD
PHONE (WK) (503) 232-2600	CELL		FAX
ADDRESS 226 W. HISTORIC COLUMBIA RIVER HIGHWAY			
CITY TROUTDALE	STATE OR	ZIP 97060	E-MAIL* rick.tslaw@gmail.com

Organization Information

NAME DE TERRA, LLC		PHONE (503) 232-2600	FAX
ADDRESS 23254 S. RIDGE RD			CELL
CITY BEAVER CREEK	STATE OR	ZIP 97004	E-MAIL* rick.tslaw@gmail.com

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

AGENT / BUSINESS NAME ROBERT LONG, CWRE / CWM H2O, LLC		PHONE 503 799 0304	FAX
ADDRESS 415 SW COLONY DRIVE			CELL (503) 893-5937
CITY PORTLAND	STATE OR	ZIP 97219	E-MAIL* BOB.LONG@CWMH2O.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 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

Richard Todd - Manager
Print Name and title if applicable

7/13/18
Date

Applicant Signature

Print Name and title if applicable

Date

For Department Use		
App. No. <u>G-18717</u>	Permit No. _____	Date _____

SECTION 2: PROPERTY OWNERSHIP

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

☐ Yes

☐ There are no encumbrances.

☐ This land is encumbered by easements, rights of way, roads or other encumbrances.

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☒ No

☒ I have a recorded easement or written authorization permitting access.

☐ I do not currently have written authorization or easement permitting access.

☐ 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).

☐ Water is to be diverted, conveyed, and/or used only on federal lands.

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List the names and mailing addresses of all affected landowners (*attach additional sheets if necessary*).

Lesley Langan and Lee Langan
3930 SE Glenwood Street
Portland, OR 97202

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

See attached deed

CLARIFICATION TO GROUNDWATER PERMIT APPLICATION G-18717

SECTION 3: WELL DEVELOPMENT

WELL NO.	NAME OF NEAREST SURFACE WATER	IF LESS THAN 1 MILE:	
		DISTANCE TO NEAREST SURFACE WATER	ELEVATION CHANGE BETWEEN NEAREST SURFACE WATER AND WELL HEAD
Well 1 (proposed, see below)	Mosier Creek (to the southeast)	~995 ft	~85 – 360 ft
	Martin Creek (to the west)	~1225 ft	~130 – 335 ft
	Abernethy Creek (to the west)	~3,590 ft	~275 – 530 ft

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*).

This update to application G-18717 proposes the development of water for nursery use from a confined water bearing zone within a gravel deposit approximately 248 and 268 feet below ground surface (measurements referenced as below ground surface (bgs) unless otherwise indicated). The original application G-18717 filed on July 16, 2018 proposed the use of the existing CLAC-17036 well (Well 1). This well is open to two water-bearing zones in the Troutdale Aquifer and the OWRD determined the well is in connection with Mosier and Martin Creeks. This amendment to application G-18717 proposes the abandonment of CLAC-17036 and the installation of a new well (Well 1) in close proximity to the location of CLAC-17036.

The existing well, MULT 17036 (De Terra well) is drilled to 445 feet below ground surface and sealed to a depth of 160 ft bgs with cement and bentonite. Water is first encountered at 180 ft in a layer of gray sandy clay, and again at 248 ft in a layer of gravel. The static water level is at 238 ft with a positive head of 10 ft, demonstrating confined conditions of the water bearing zone (WBZ) accessed by this well. The proposed new well will be drilled to a similar depth with the goal of intercepting the same WBZs. However, the well will be constructed with a cement-and-bentonite seal to a minimum depth of 228 ft so that only the lower WBZ is utilized.

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SECTION 3: WELL DEVELOPMENT, CONTINUED

Total maximum rate requested: **0.05 CFS (22.4 GPM)** (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.

										PROPOSED USE			
OWNER'S WELL NAME	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)
Well 1 (proposed new)	☒	☐	<i>Proposed</i>	☐	6 – 8"		~235-310 ft ¹	0-228 ft ²	~238 ft bgs ¹	Troutdale Formation	~310 ft	22.4 gpm ³	24.0

1. Estimated well construction based on conditions experienced during drilling of the existing well, CLAC-17036.
 2. Seal conditions outlined in the OWRD Initial Groundwater Review, 1/31/2019.
 3. Maximum pumping rate allowable defined in OWRD analysis of connectivity with Mosier and Martin Creeks in the Initial Review, 4/12/2019. The requested rate is below the maximum rate based on low-flow exceedance rates.
- * 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.

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SECTION 4: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
Nursery (container)	November 1 – June 30*	24.0
Nursery (greenhouse)	November 1 – June 30*	Included in above
Nursery (in-ground)	November 1 – June 30*	Included in above

*Period of use is based on the period of available water from OWRD analysis of connectivity with Mosier and Martin Creeks, Initial Review 4/12/2019.

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 irrigation use only:

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

Primary: **14.5 Acres** Supplemental: **0 Acres**

List the Permit or Certificate number of the underlying primary water right(s): **NA**

Indicate the maximum total number of acre-feet you expect to use in an irrigation season: **14.5**

- If the use is **municipal or quasi-municipal**, attach **Form M**
- If the use is **domestic**, indicate the number of households:
If the use is **mining**, describe what is being mined and the method(s) of extraction:

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Reservoir name: NA Acreage inundated by reservoir: NA

Use(s): NA

Volume of Reservoir (acre-feet): NA Dam height (feet, if excavated, write "zero"): NA

Note: If the dam height is greater than or equal to 10.0' above land surface AND the reservoir will store 9.2 acre feet or more, engineered plans and specifications must be approved prior to storage of water.

SECTION 7: USE OF STORED GROUND WATER FROM THE RESERVOIR

If you would like to use stored ground water from the reservoir, complete this section (*if more than one reservoir, reproduce this section for each reservoir*).

Annual volume (acre-feet): NA

USE OF STORED GROUND WATER	PERIOD OF USE
<u>NA</u>	<u> </u>

SECTION 8: PROJECT SCHEDULE

Date construction will begin: March 2017

Date construction will be completed: May 2021

Date beneficial water use will begin: March 2018

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SECTION 9: WITHIN A DISTRICT

☐ Check here if the point of diversion or place of use are located within or served by an irrigation or other water district.

Irrigation District Name	Address	
<u>NA</u>	<u>NA</u>	
City	State	Zip
<u>NA</u>	<u>NA</u>	<u>NA</u>

SECTION 10: REMARKS

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

The use will be for nursery operations, container nursery, and in ground plants.

Date _____

(For staff use only)



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

**WE ARE RETURNING YOUR APPLICATION
FOLLOWING REASON(S):**

FOR THE

- ☐ SECTION 1: _____
- ☐ SECTION 2: _____
- ☐ SECTION 3: _____
- ☐ SECTION 4: _____
- ☐ SECTION 5: _____
- ☐ SECTION 6: _____
- ☐ SECTION 7: _____
- ☐ SECTION 8: _____
- ☐ SECTION 9: _____
- ☐ Land Use Information Form _____
- ☐ 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.
- ☐ Fees _____

MAP

- ☐ 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 well, and/or dam if applicable, by reference to a recognized public land survey corner (distances north/south and east/west). Each well must be identified by a unique name and/or number.
- ☐ Indicate the area of use by Quarter/Quarter and tax lot clearly identified
- ☐ 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)
- ☐ Other _____

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Revised 3/4/2010

Ground Water/10

WR

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: De Terra, LLC & Richard W. Todd
First

Last

Mailing Address: 226 W. Historic Columbia River Highway

Troutdale

City

OR

State

97060

Zip

Daytime Phone: (503) 232-2600

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:
3S	3E	32	NENE	202	TBR	☒ Diverted	☐ Conveyed	☒ Used	TBR
3S	3E	32	SENE	202	TBR	☒ Diverted	☐ Conveyed	☒ Used	TBR

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

Unincorporated Clackamas County

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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: 72.5 ☐ cubic feet per second ☐ gallons per minute ☒ acre-feet

Intended use of water: ☒ Irrigation ☐ Commercial ☐ Industrial ☐ Domestic for _____ household(s)
☐ Municipal ☐ Quasi-Municipal ☐ Instream ☐ Other _____

Briefly describe:

This water use is for irrigation of a small agricultural/nursery operation for the cultivation of marijuana.

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. →

G-18717

Revised 3/4/2010

Ground Water/9

WR

For Local Government Use Only

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

Please check the appropriate box below and provide the requested information

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

Type of Land-Use Approval Needed (e.g., plan amendments, rezones, conditional-use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Land-Use Approval:	
Marijuana Grow	Section 406 & 541	☒ 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.

land use decision approved for 23254 S. Ridge Rd,
Beaver Creek OR 97004 ; 33E 32 00202. under
case file Z0018-16-MJ and subject to compliance of
Section III, Conditions of Approval.

Name: LY Title: Senior Planner

Signature: Lorraine Gonzalez

Phone: 503 742-4500

Date: 12-28-16

Government Entity: Clackamas County

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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: _____



Lake Oswego Branch
File No. 87F0918080

Clackamas County Official Records 2015-007727
Sherry Hall, County Clerk 02/13/2015 11:51:02 AM
D-D Cnt=1 Stn=8 CINDY \$58.00
\$10.00 \$16.00 \$10.00 \$22.00

After recording return to:
Lee Langan and Lesley Langan
23254 S Ridge Road
Beavercreek, OR 97004

Until a change is requested, all tax statements shall be sent
to the following address:
Lee Langan and Lesley Langan
23254 S Ridge Road
Beavercreek, OR 97004

STATUTORY WARRANTY DEED

Debra J. Schroeder, Grantor, conveys and warrants to Lee Langan and Lesley Langan, as tenants by the entirety, Grantee, the following described real property free of encumbrances except as specifically set forth herein:

SEE ATTACHED EXHIBIT "A"

Tax Account No. 00922700

This property is free of encumbrances, EXCEPT:

SEE EXHIBIT "A" WITH EXCEPTIONS

The true consideration for this conveyance is \$599,000.00

BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON TRANSFERRING FEE TITLE SHOULD INQUIRE ABOUT THE PERSON'S RIGHTS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007, SECTIONS 2 TO 9 AND 17, CHAPTER 855, OREGON LAWS 2009, AND SECTIONS 2 TO 7, CHAPTER 8, OREGON LAWS 2010. THIS INSTRUMENT DOES NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY THAT THE UNIT OF LAND BEING TRANSFERRED IS A LAWFULLY ESTABLISHED LOT OR PARCEL, AS DEFINED IN ORS 92.010 OR 215.010, TO VERIFY THE APPROVED USES OF THE LOT OR PARCEL, TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES, AS DEFINED IN ORS 30.930, AND TO INQUIRE ABOUT THE RIGHTS OF NEIGHBORING PROPERTY OWNERS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007, SECTIONS 2 TO 9 AND 17, CHAPTER 855, OREGON LAWS 2009, AND SECTIONS 2 TO 7, CHAPTER 8, OREGON LAWS 2010.

Dated 12th day of February, 2015

Debra J. Schroeder

STATE OF OREGON
COUNTY OF Clackamas

The foregoing instrument was acknowledged before me this 12th day of February, 2015 by
Debra J. Schroeder

Notary Public State of Oregon
My commission expires: 1/5/16

Order No. 87F0918080



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Warranty Deed
ORRQ 6/2005; Rev. 12/2007

G-18717

Exhibit "A" with Exceptions

PARCEL I - (Clackamas)

Part of Section 32, Township 3 South, Range 3 East, of the Willamette Meridian, in the County of Clackamas and State of Oregon, being more particularly described as follows:

Beginning at a point on the East line of the Northeast one-quarter of Section 32, Township 3 South, Range 3 East of the Willamette Meridian, in the County of Clackamas and State of Oregon, which is 755.75 feet North of the Southeast corner of said Northeast one-quarter, said point of beginning being also the Southeast corner of a tract of land conveyed to Del M. Scribner, et ux, by Contract of Sale in Deed Book 578, Page 397, Records of Clackamas County; thence North 0°10'06" West along the East line of said Northeast one-quarter 908.20 feet; thence South 89°24'30" West, 666.84 feet, more or less, to a point on the center line of County Road No. 1705; thence Southerly tracing the center line of said road, 920.89 feet, more or less, to the Southwest corner of said Scribner Tract, said point being 755.75 feet North of the South line of said one-quarter section when measured at right angles; thence North 89°24'30" East, 812.57 feet to the point of beginning.

Subject to:

- 1. Rights of the public to any portion of the Land lying within the area commonly known as streets, roads and/or highways.**

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Lee and Lesley Langan

3930 SE Glenwood Street

Portland, OR 97202

July 20, 2017

To Whom it May Concern,

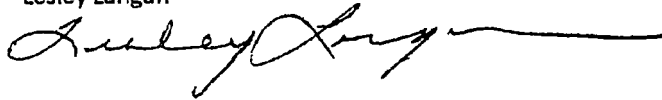
Lee and Lesley Langan give De Terra LLC permission to file for water rights on the following property:

23254 South Ridge Road, Beaver Creek, OR 97004. (Part of section 32, Township 3 South, Range 3 East, of the Willamette Meridian, in the County of Clackamas, and the state of Oregon.) (MAP: 33E2 00202)

Lee Langan

A stylized, handwritten signature in black ink, consisting of several sweeping, overlapping strokes.

Lesley Langan

A handwritten signature in black ink, featuring a cursive style with a long, horizontal flourish at the end.

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G-18717

STATE OF OREGON
(Please type or print)
NEER
(Do not write above this line)

RECEIVED (10)

~~JUL 16~~

Contractor's License No. 553 Date Dec 24 19 71

(Water Well Contractor)

Contractor's License No. 553 Date Dec. 24 1971

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

CLAG
17048

SEP 20 1988

(START CARD) #

7103

(1) OWNER:

Name PAT HICKERSON
Address 18223 S CHAR LANE
City MULINO State OR Zip 97042

(2) TYPE OF WORK:

☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD

☐ Rotary Air ☐ Rotary Mud ☒ Cable
☐ Other

(4) PROPOSED USE:

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

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes No ☒ Depth of Completed Well 325 ft.

Explosives used ☐ ☐ Type Amount

HOLE			SEAL			Amount sacks or pounds
Diameter	From	To	Material	From	To	
10	1	20	GRAN BENTONITE		20	11
6	20	326				

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

☒ Other GRANULAR BENTONITE METHOD

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel Plastic Welded Threaded			
Casing: 6	0	200	.250	☒	☐	☒	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
Liner: 5	190	325	PVC	☐	☒	☒	☐
				☐	☐	☐	☐

Final location of shoe(s) 200

(7) PERFORATIONS/SCREENS:

☒ Perforations Method SAW

☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
203	324	3"x1/2"	250			☐	☒
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

☐ Pump ☒ Bailer ☐ Air ☐ Flowing
☐ Artesian

Yield gal/min	Drawdown	Drill stem at	Time
2.0	6.0		1 hr.

Temperature of water Depth Artesian Flow Found

Was a water analysis done? ☐ Yes By whom

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County CLATSOP Latitude Longitude
Township 35 N or S, Range 3E E or W, WM.
Section 33 NW 1/4 NW 1/4
Tax Lot Lot Block Subdivision
Street Address of Well (or nearest address) 23200 S RIDGE RD
BEAVERCREEK, OR (@HARPER CURVE)

(10) STATIC WATER LEVEL:

137 ft. below land surface. Date 6/23/88

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found <u>78</u>		From	To	Estimated Flow Rate	SWI
		78	82		60

(12) WELL LOG:

Material	From	To	SWI
SOIL	1	2	
CLAY RED w/ Cobbles & CEMENTED	2	32	
CLAY TAN	32	48	
CLAY BLUE	48	78	
CLAY GREY w/ SAND	78	82	60
CLAY GREY	82	87	
CLAY TAN	87	193	
CLAY BLUE	193	198	
CLAY DARK GREY SILTY	198	203	
CEMENTED GRAVEL & BLACK SAND	203	230	137
CLAY BLUE	230	310	
CLAY LT BLUE	310	315	
CLAY GREY w/ BLACK SAND	315	326	137

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Date started 19 SEP Completed 23 SEP 1988

(unbonded) Water Well Constructor Certification:

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

Signed _____ WWC Number _____
Date _____

(bonded) Water Well Constructor Certification:

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

Signed Richard Beck WWC Number 743
Date 9/23/88

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

MAY 01 2001

Instructions for completion of this form.

WELL I.D. # L 40807
START CARD # 113777(1) OWNER:
Name Don Wolf
Address 23404 S. Ridge Rd.
City Oregon City State OR Zip 97045(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:

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

(4) PROPOSED USE:

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

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 240 ft.
Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE				SEAL			
Diameter	From	To	Material	From	To	Amount	Notes or pounds
10	0	50	Bentonite	0	50		38
8	50	111	Cement	50	111		10
6	111	240					

How was seal placed: Method ☐ A ☐ B ☐ C ☒ D ☐ E☒ Other Poured & pokedBackfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6	0	111	250	☒	☐	☒	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
Liner: 4	80	240	160	☐	☒	☐	☐
				☐	☐	☐	☐

Final location of shoe(s) 111

(7) PERFORATIONS/SCREENS:

Perforations		Method		Type		Material	
☒		☒	<u>Saw</u>				
☐		☐					
From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
120	220	3/16	100	4		☐	☒
						☐	☐
						☐	☐
						☐	☐

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

☐ Pump	☐ Bailer	☒ Air	☐ Flowing
Yield gal/min	Drawdown	Drill stem at	Artesian
60		225	Time
			1 hr.

Temperature of water 54° Depth Artesian Flow Found _____Was a water analysis done? ☐ Yes By whom _____Did any strata contain water not suitable for intended use? ☐ Too little☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☒ OtherDepth of strata: 20-40 - 10 gpm83-103 - 100 gpm Turbidity

(9) LOCATION OF WELL by legal description:

County Clack Latitude _____ Longitude _____
Township 3 N or S Range 3 E or W. WM.
Section 32 NE 1/4 SE 1/4
Tax Lot 301 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) same

(10) STATIC WATER LEVEL:

120 ft. below land surface. Date 4-5-01
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 156

From	To	Estimated Flow Rate	SWL
156	233	60	120

(12) WELL LOG:

Ground Elevation _____

Material	From	To	SWL
Top soil	0	2	
Clay brown	2	30	
" brown broken rock	30	40	
Sandstone gray soft	40	44	
Basalt gray hard	44	83	
" gray soft	83	103	
" gray hard	103	114	
" red gray soft	114	127	120
" brown med.	127	139	
" brown red soft	139	144	
" red brown soft	144	149	
Conglomerate brown yellow	149	156	
gritty soft			
Broken conglomerate	156	233	
gritty clay brown			
Clay light brown	233	240	

Date started 3-27-01 Completed 4-5-01

(unbonded) Water Well Constructor Certification:

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

WWC Number _____

Signed _____ Date _____

(bonded) Water Well Constructor Certification:

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

WWC Number 1229Signed [Signature] Date 4-29-01

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

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G-18717



Portland General Electric Company
1705 NE Burnside • Gresham, Oregon 97030

January 4, 2017

Mike Busher
23254 S Ridge Road
Beavercreek, Oregon 97004

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OWRD

Re: Install approximately 1 mile of 2 Additional Primary Phase Extension & 3P UG Take off Pole on M2035056, & UG 3P Primary, Transformer, & Service Wires to a 1200 Amp Outdoor Standing Switchboard on M1980727

Dear Mike,

Please find enclosed the following documents and information for the said Commercial Development:

- Primary Line Extension & UG 3P Primary, Transformer, & Service Cost Agreements
- Power Layout Design
- One 8' X 8' Pad, Old Castle Precast #9696-1554-TRANSPAD-PGE
- One 4 Inch Schedule 40 PVC Raceway from Pole 885 to the 3P Pad and 5 – 4 Inch Schedule 40 PVC Raceways from the 3P Pad to the 1200 Amp Standing Outdoor Switchboard

The developer is responsible to provide and install a conduit, pad-vault system per the enclosed PGE design. The Line Extension Costs are spelled out on the Line Extension Cost Agreements (LECA) with the total allowance of \$155333.03 broken up and applied against each job **to show the balance due to PGE.** We requesting that you return the signed Line Extension Cost Agreements along with the payment due so that the job can released and coordinated with your contractor for scheduling.

In Addition or for Iteration, the Developer is responsible to:

- **Call for an On Site Pre-Construction Meeting before any excavation for power occurs.**
- **Provide all trenching a minimum depth of 48 inches and 36 inches wide if joint with gas, otherwise 24 inches wide and 48 inches deep.**

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FEB 24 2017

SALEM, OR

G-18717

Mike Busher

Page 2

- Provide and install the following Schedule 40 PVC conduit Raceways per the enclosed power layout design: One 4 inch Raceway for the 3P Primary from Pole 885 to the 3P Pad; Five 4 inch
- Raceways from the 3P Pad the 1200 Amp Outdoor Switchboard.

Elbows may be Schedule 40 PVC Grey unless the conduit length exceeds 150 feet or the Raceway contains more than 180 degree of bends. All Conduit Raceways are to be sealed airtight and have a pull string insert of a minimum 500 pounds tensile strength. Four inch Elbows are to have a minimum 36 inch sweep. See the drawing construction notes for additional details.

- The developer is to have final grade established prior to trenching and the installation of 3P Pad and Conduits. Any relocation cost of power facilities will be borne by the developer.
- Provide and install one 9696-1554-TRANSPAD-PGE. A bed of gravel may be required to support the weight of the pad and transformer so as to prevent settling that would result in tipping or tilting of the pad. The pad is to be leveled.
- Notify PGE to inspect all trench, pads, vaults, and conduit installations before the ditch is covered.
- Contact and coordinate with Telephone, Cable TV, and NWNG for the installation of their facilities in the joint trench before the ditch is covered.

Your prompt attention to this correspondence will help to expedite the scheduling and construction of this project.

Sincerely,



Carl H. Waters
Service & Design Project Manager, PGE
(503) 669-5276

Enclosure

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Minimum Requirements Checklist

Minimum Requirements (OAR 690-310-0040, OAR 690-310-0050 & ORS 537.615)

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.

- ☒ SECTION 1: applicant information and signature
- ☒ SECTION 2: property ownership
- ☒ SECTION 3: well development
- ☒ SECTION 4: water use
- ☒ SECTION 5: water management
- ☒ SECTION 6: storage of groundwater in a reservoir
- ☒ SECTION 7: use of stored groundwater from the reservoir
- ☒ SECTION 8: project schedule
- ☒ SECTION 9: within a district
- ☒ SECTION 10: remarks

see attached endorse letter

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Attachments:

- ☒ Land Use Information Form with approval and signature (*must be an original*) or signed receipt
- ☒ 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. Example: A copy of the deed, land sales contract or title insurance policy.
- ☒ Fees - Amount enclosed: \$2,210
See the Department's Fee Schedule at www.oregon.gov/owrd or call (503) 986-0900.

Provide a map and check that each of the following items is included:

- ☒ 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 well, and/or dam if applicable, by reference to a recognized public land survey corner (distances north/south and east/west). Each well must be identified by a unique name and/or number.
- ☒ Indicate the area of use by Quarter/Quarter and tax lot clearly identified
- ☒ 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)
- ☐ Other _____



Oregon Water Resources Department

Apply for a Permit to Appropriate Ground Water and/or Store Ground Water

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Today's Date: Tuesday, July 17, 2018

Base Application Fee for use of Ground, Surface and optionally Stored Water.		\$1,340.00
Number of proposed cubic feet per second (cfs) to be appropriated. (1 cfs = 448.83 gallons per minute)	1	\$350.00
Number of proposed Use's for the appropriated water. (i.e. Irrigation, Supplemental Irrigation, Pond Maintenance, Industrial, Commercial, etc) *	1	
Number of proposed Ground Water points of appropriation. (i.e. number of wells) (include all injection wells, if applicable) **	1	
Number of Acre Feet to be stored in a reservoir/pond from Ground Water.	0	
Number of Acre Feet to be appropriated from reservoir/pond (Only Applies to reservoir/pond constructed under Ground Water Application)	0	
Number of reservoirs.	0	
Permit Recording Fee. ***		\$520.00
* the 1st Water Use is included in the base cost. ** the 1st Ground Water point of appropriation is included in the base cost. *** the Permit Recording Fee is not required when the application is submitted but, must be paid before a permit will be issued. It is fully refundable if a permit is not issued. If the recording fee is not paid prior to issuance of the Final Order, permit issuance will be delayed.	Recalculate	
Estimated cost of Permit Application		\$2,210.00

OWRD Fee Schedule

Fee Calculator Version B20170117



Oregon Water Resources Department
Apply for a Permit to Appropriate Ground Water and/or Store Ground Water

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OWRD Fee Schedule

Fee Calculator Version B20170117