

final submitted 9/3/20

Application for a Permit to Use Groundwater



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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SECTION 1: APPLICANT INFORMATION AND SIGNATURE

Applicant

NAME Brad Graff		PHONE (HM) 503 292 1614	
PHONE (WK) 253 219 3420	CELL 253 219 3420		FAX —
ADDRESS 13610 NW Skyline Blvd			
CITY Portland	STATE OR	ZIP 97231	E-MAIL* bradgraff@gmail.com

Organization

NAME Same		PHONE		FAX
ADDRESS				CELL
CITY	STATE	ZIP	E-MAIL*	

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

AGENT / BUSINESS NAME		PHONE		FAX
ADDRESS				CELL
CITY	STATE	ZIP	E-MAIL*	

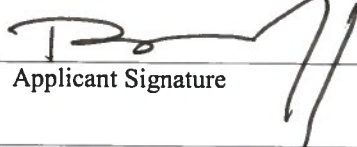
Note: Attach multiple copies as needed

* 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

Brad Graff
Print Name and Title if applicable

8/24/20
Date

Applicant Signature

Print Name and Title if applicable

Date

SECTION 2: PROPERTY OWNERSHIP

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

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

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

None

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.

attached in Alt Res application

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
L-100427	McCarthy Creek	~ 3/4 mile (.75) McCarthy Creek	400' below well head

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)*.

SECTION 3: WELL DEVELOPMENT, continued

Total maximum rate requested: 15 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.

OWNER'S WELL NAME OR NO.	PROPOSED	EXISTING	WELL ID (WELL TAG) NO.* OR WELL LOG ID**	FLOWING ARTESIAN	CASING DIAMETER	CASING INTERVALS (IN FEET)	PERFORATED OR SCREENED INTERVALS (IN FEET)	SEAL INTERVALS (IN FEET)	MOST RECENT STATIC WATER LEVEL & DATE (IN FEET)	PROPOSED USE			
										SOURCE AQUIFER***	TOTAL WELL DEPTH	WELL- SPECIFIC RATE (GPM)	ANNUAL VOLUME (ACRE-FEET)
L-100427	☐	☒	L-100427	☐	6"	0-111'	725'-745'	Cement 0-111'	3122/10 479'				
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									

* 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: 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:

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Statewide - OAR 690-033-0330 thru -0340

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

☒ Yes ☐ No

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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)
pond maintenance	year round	3

For irrigation use only:

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

Primary: _____ Acres Supplemental: _____ 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**
- 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.)

- 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): 3 HP Franklin Pump
☐ Other means (describe): _____

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water. pumped to 1" PVC and buried to pond location

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) auto-fill on/off to maintain water depth

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).

used to "top off" pond in summer months. pond is a fire suppression reservoir registered with ODF

SECTION 7: PROJECT SCHEDULE

- Date construction will begin: Fall 2020
- Date construction will be completed: 2021
- Date beneficial water use will begin: 2021

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: pond will be lined and dammed to prevent waste

- ☐ 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:
pond will be dug as a part of a clearcut logging operation in fall 2020

- ☐ 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	
City	State	Zip

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SECTION 10: REMARKS

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

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— this groundwater application is to be used for a woodland pond / fire suppression pond that will likely be dug in fall '20 or '21. We have separately requested a runoff water right to fill the pond. This application is to use our existing well/pump to "top off" the pond in the summer. Our pond will be a maximum of 9 acre-feet and we expect the maximum yearly fill (due to evaporation) to be 3 acre-feet. This will be fed from our existing well, currently with a max rate of ~12 gpm.

While we would like the flexibility of filling up to 3 acre-feet per year, we would be willing to accept a lower amount if that was all that was available.

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

(COPY)

WELL LABEL # 10042

START CARD # 205332

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(1) LAND OWNER Owner Well I.D. _____
First Name BRAD Last Name GRAFF
Company GRAFF, LISA
Address 1660 NW 102ND AVE
City PORTLAND State OR Zip 97229

(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/ Commercial ☐ Livestock ☐ Dewatering
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION Special Standard ☐ (Attach copy)
Depth of Completed Well 745 ft.

BORE HOLE			SEAL			sacks/	
Dia	From	To	Material	From	To	Amt	lbs
10	0	54	Cement	0	54	13	S
8	54	111	Cement	54	111	9	S
6.75	111	745					

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

☐ Other
Backfill placed from _____ ft. to _____ ft. Material _____
Filter pack from _____ ft. to _____ ft. Material _____ Size _____
Explosives used: ☐ Yes Type _____ Amount _____

(6) CASING/LINER		Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Casing	Liner	6		2	111	.250				
		4.5		25	745	200#				

Shoe ☐ Inside ☐ Outside ☐ Other Location of shoe(s) _____
Temp casing ☐ Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS
Perforations Method DRILLED
Screens Type _____ Material PVC-200

Perf/S	Casing/Screen	Liner	Dia	From	To	Scr/slot width	Slot length	# of slots	Tele/pipe size
Perf	Liner	4.5	725	745		.5	40	PIPE	

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

	Pump	Bailer	Air	Flowing Artesian
Yield gal/min	24			
Drawdown	18			
Drill stem/Pump depth	5			
Duration (hr)	1			

Temperature 54 °F Lab analysis ☐ Yes By _____
Water quality concerns? ☐ Yes (describe below)
From _____ To _____ Description _____ Amount _____ Units _____

(9) LOCATION OF WELL (legal description)
County MULTNOM Twp 2 N N/S E/W WM
Sec 25 SW 1/4 of the SE 1/4 Tax Lot 3500
Tax Map Number _____ Lot _____
Lat _____ " or _____ DMS or DD
Long _____ " or _____ DMS or DD
☒ Street address of well ☐ Nearest address

13610 NW SKYLINE BLVD

(10) STATIC WATER LEVEL
Date _____ SWL(psi) _____ + SWL(ft) _____
Existing Well / Predeepening _____
Completed Well 03-19-2010 _____ 479
Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES		Depth water was first found 580	
SWL Date	From	To	Est Flow SWL(psi) + SWL(ft)
03-15-2010	580	590	7 479
03-17-2010	700	745	17 479

(11) WELL LOG		Ground Elevation	
Material	From	To	
BROWN CLAY	0	32	
DECOMP ROCK WITH CLAY	32	54	
GRAY BROWN MUDDY BASALT	54	104	
GRAY BASALT	104	143	
GRAY BROWN BASALT	143	164	
GRAY BASALT	164	192	
GRAY BROWN & GRAY BASALT	192	225	
HARD GRAY-GRAY BLACK BASALT	225	338	
GRAY BROWN-BROWN BASALT	338	356	
GRAY BASALT	356	390	
GRAY BROWN BASALT	390	405	
GRAY BLACK BASALT	405	490	
GRAY-GRAY BLACK BASALT	490	522	
GRAY BLACK BASALT	522	533	
GRAY BROWN & BROWN BASALT	533	565	
GRAY BLACK & GRAY BASALT	565	745	

Date Started 03-09-2010 Completed 03-19-2010

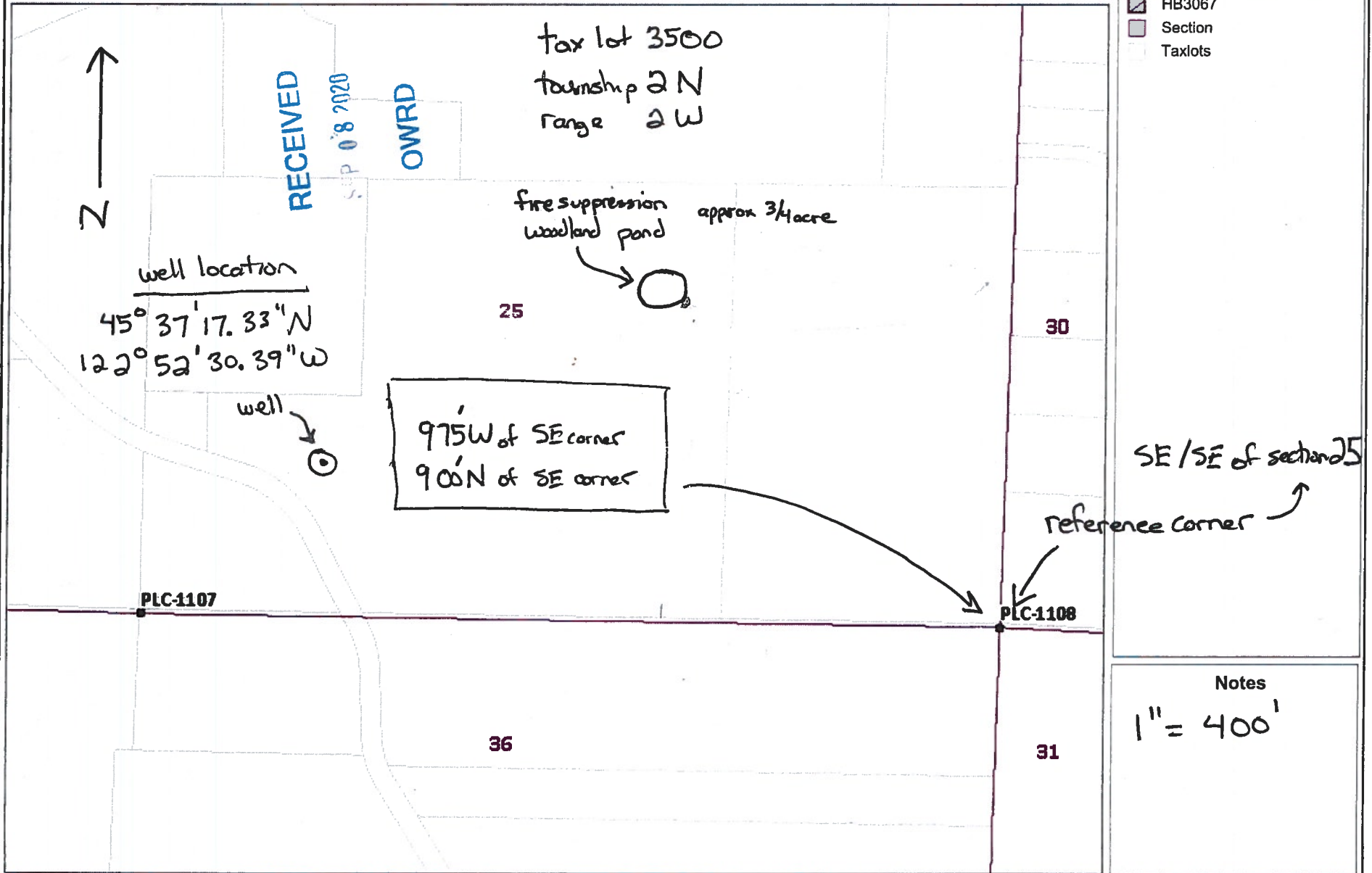
(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge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

License Number 1492 Date 3-22-10
Password: (if filing electronically)
Signed Meri Bigsby

(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 1266 Date 3/22/10
Password: (if filing electronically)
Signed
Contact Info (optional)

Graff Property - 13610 NW Skyline Blvd Portland 97231



This map is provided for informational purposes only. Information used to develop this map has been obtained from many sources, and is not guaranteed to be accurate. Multnomah County assumes no responsibility for the accuracy of information appearing on this map.

Scale: 1: 4,800
Printed: 7/9/2020