



State of Oregon
 Water Resources Department
 725 Summer Street NE, Suite A
 Salem, Oregon 97301-1266
 (503) 986-0900

Application for Permit Amendment

Part 1 of 5 – Minimum Requirements Checklist

This permit amendment application will be returned if Parts 1 through 5 and all required attachments are not completed and included.
 For questions, please call (503) 986-0900 and ask for Transfer Section

Check all items included with this application. (N/A = Not Applicable)

- Part 1 – Completed Minimum Requirements Checklist.
- Part 2 – Completed Application Map Checklist.
- Part 3 – Application Fee, payable by check to the Oregon Water Resources Department, and completed Fee Worksheet, page 3. Try the new online fee calculator at: http://apps.wrd.state.or.us/apps/misc/wrd_fee_calculator. If you have questions, call Customer Service at (503) 986-0801.
- Part 4 – Completed Applicant Information and Signature.
- Part 5 – Information about Permits to be Amended: **Number of permits to be amended: 1 List them here: G-17182**
 Please include a separate Part 5 for each permit. (See instructions on page 6)
- Completed Permit Amendment Application Map (Does not have to be prepared by a Certified Water Right Examiner).
- N/A Request for Assignment Form and statutory fee. The request for assignment form has to be completed if the applicant is **not** the permit holder of record and needs to be assigned to the permit; **or** the landowner of the proposed place of use is **not** the permit holder of record and needs to be assigned to the permit (the Request for Assignment Form is available online at <http://www.oregon.gov/owrd/pubs/docs/forms>). Assignment is not needed if the applicant is the permit holder of record.
- N/A Affidavit(s) of Consent are required from all permit holder(s) of record if the permit is not assigned to the applicant **or** other permit holders of record that are not listed as applicants.
- Land Use Information Form with approval and signature (or signed land use form receipt stub). Land use form is not required if any of the following apply:
 - Water is to be diverted, conveyed, and/or used only on federal lands.
 - All of the following apply: a) a change in place of use only, b) no structural changes, c) the use of water is for irrigation only, and d) the use is located within an irrigation district or an exclusive farm use zone.
 - The proposed changes are all located on the property reviewed in Land Use form enclosed in Water Right Application Folder # **G-17182**.

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N/A Water Well Report/Well Log for changes in point(s) of appropriation (well(s)) or additional point(s) of appropriation.

(For Staff Use Only)

WE ARE RETURNING YOUR APPLICATION FOR THE FOLLOWING REASON(S):

<input type="checkbox"/> Application fee not enclosed/insufficient	<input type="checkbox"/> Map not included or incomplete
<input type="checkbox"/> Land Use Form not enclosed or incomplete enclosed/insufficient	<input type="checkbox"/> Assignment Form and fee not
<input type="checkbox"/> Additional signature(s) required	Part _____ is incomplete

Part 2 of 5 – Permit Amendment Map Checklist

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Applicant Note: Attached map was submitted by email to Kelly Starnes who approved it in his email of Nov. 7, 2018. That email is attached to this application. Boxes are checked based on that approval.

Your permit amendment application will be returned if any of the map requirements listed below are not met.

Please be sure that the map you submit includes all the items listed below and meets the requirements of OAR 690-380-3100, however, the map does not have to be prepared by a Certified Water Right Examiner. Check all boxes that apply.

- If **more than three** permits are involved, separate maps for each permit.
- Permanent quality printed with dark ink on good quality paper.
- The size of the map can be 8½ x 11 inches, 8½ x 14 inches, 11 x 17 inches, or up to 30 x 30 inches. For 30 x 30 inch maps, one extra copy is required.
- A north arrow, a legend, and scale.
- The scale of the map must be: 1 inch = 400 feet, 1 inch = 1,320 feet, the scale of the county assessor map if the scale is not smaller than 1 inch = 1,320 feet, or a scale that has been pre-approved by the Department.
- Township, Range, Section, ¼ ¼, DLC, Government Lot, and other recognized public land survey lines.
- Tax lot boundaries (property lines) are required. Tax lot numbers are recommended.
- Major physical features including rivers and creeks showing direction of flow, lakes and reservoirs, roads, and railroads.
- Major water delivery system features from the point(s) of diversion/appropriation such as main pipelines, canals, and ditches.
- Existing place of use that includes separate hachuring for each water use permit, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions. If less than the entirety of the permit is being changed, a separate hachuring is needed for the portion of the permit left unchanged.
- N/A If you are proposing a change in place of use, show the proposed place of use with hachuring that includes separate hachuring for each permit, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions.

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Existing point(s) of diversion or well(s) with distance and bearing or coordinates from a recognized survey corner. This information can be found in your water use permit.



N/A

If you are proposing a change in point(s) of diversion or well(s), show the proposed location and label it clearly with distance and bearing or coordinates. If GPS coordinates are used, latitude-longitude coordinates may be expressed as either degrees-minutes-seconds with at least one digit after the decimal (example – 42°32'15.5") or degrees-decimal with five or more digits after the decimal (example – 42.53764°).

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- b. If the water right permit does not list total cfs, but identifies the allowable use as 1/40 or 1/80 of a cfs per acre; multiply number of acres proposed for change by either 0.025 (1/40) or 0.0125 (1/80). *(For S-87654, 45.0 ac x 0.0125 cfs/ac = 0.56 cfs)*
2. Add cfs for the portions of permits on all the land included in the application; however **do not count cfs for supplemental permits on acreage for which you have already calculated the cfs fee for the primary permit on the same land**. The fee should be assessed only once for each "on the ground" acre included in the application. *(In this example, blank 5a would be only 0.56 cfs, since both permits serve the same 45.0 acres. Blank 5b would be 0 and Line 5 would then also become 0).*

Part 4 of 5 – Applicant Information and Signature

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Applicant Information

APPLICANT/BUSINESS NAME Edwards Meadows Homeowners Assoc.		503-648-6361	ADDITIONAL CONTACT NO. 503-330-2044
ADDRESS P.O. Box 33			FAX NO.
CITY Hillsboro	OR	97123	PRESIDENT@EDWARDSMEADOWSHOA.ORG
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.			

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

AGENT/BUSINESS NAME Walt Hellman		503-648-6361	ADDITIONAL CONTACT NO. 503-330-2044
ADDRESS 2451 SE Clover Ct.			FAX NO.
HILLSBORO	OR	97123	E-MAIL hellmanw@gmail.com
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.			

Explain in your own words what you propose to accomplish with this permit amendment; and why:
 In 2015, using the current permit, our HOA installed and started operating an irrigation well to water the greenspace common areas of the HOA This was to replace wasteful and expensive treated City water use. The sustained yield of the well turned out to be 0.156 cu. ft./sec (permit max is 0.45 cu. ft./sec). Because the common areas are used during the day irrigation should be restricted to night time. Currently we don't have the capacity to simultaneously water all areas at night. We've had to do daytime watering, pumping about 20 hours per day. As a result we also have the evaporation problems watering during the heat of the day. We are also lacking a back-up for the current well. We are proposing to construct a second well identical to the first. The second well will feed the same mainline as the existing well and irrigate the same areas. Our hope is that the second will at least double the pumping capacity to .312 cu. ft./sec. which would allow us to irrigate only at night and give us a back-up well if we have problems with the first. Any additional sustained yield will be a great help.

Check this box if this project is fully or partially funded by the American Recovery and Reinvestment Act. (Federal stimulus dollars)

Is the applicant the permit holder of record? Yes No

If NO, include either:

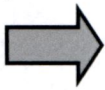
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- A completed assignment form (with required statutory assignment fee), assigning all or a portion of the permit to the applicant(s), **OR**
- An affidavit of consent from the permit holder(s) of record that gives permission for the applicant to amend the permit.

I understand that prior to Department approval of the permit amendment, I may be required to submit payment to the Department for publication of a notice in a newspaper with general circulation in the area where the permit is located, once per week for two consecutive weeks. If more than one qualifying newspaper is available, I suggest publishing the notice in the following newspaper: Hillsboro Tribune.



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

Walter Hellman
Applicant Signature

Walt Hellman, Edwards Meadows HOA Pres.
Print Name (and Title if applicable)

3-8-2019
Date

Applicant Signature

Print Name (and Title if applicable)

Date

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Check one of the following:

- The applicant is responsible for completion of change(s). Notices and correspondence should continue to be sent to the applicant.
- The permit holder(s) of record will be responsible for completing the proposed change(s) after the final order is issued. Copies of notices and correspondence should be sent to the permit holder(s) of record.

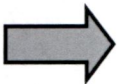
Check the appropriate box, if applicable:

- Check here if any of the permits proposed for amendment are or will be located within or served by an irrigation or other water district.

IRRIGATION DISTRICT NAME	ADDRESS	
CITY	STATE	ZIP

- Check here if water for any of the permits supplied under a water service agreement or other contract for stored water with a federal agency or other entity.

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP



To meet State Land Use Consistency Requirements, you must list all local governments (each county, city, municipal corporation, or tribal government) within whose jurisdiction water will be diverted, conveyed or used.

ENTITY NAME City of Hillsboro	150 E. MAIN ST.	
CITY Hillsboro	OR	97123

ENTITY NAME Washington County	ADDRESS 155 N. 1st St.	
HILLSBORO	OR	97123

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Part 5 of 5 – Water Use Permit Information

Please use a separate Part 5 for each permit being changed. See instructions on page 6, to copy and paste additional Part 5s, or to add additional rows to tables within the form.

PERMIT # G17182

Table 1. Location of Authorized and Proposed Point(s) of Diversion (POD) or Appropriation (POA)

(Note: If the POD/POA name is not specified in the permit, assign it a name or number here.)

POD/POA Name or Number	Is this POD/POA Authorized by the permit or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L-___)	Twp	Rng	Sec	¼	¼	Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
POA1	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	117224	1 S	2 W	8	SW	NE	1400	1,970' S and 2,450' W of NE corner of Sect. 8
POA2	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	NA	1 S	2 W	8	SW	NE	1400	1,888' S and 2,112' W of NE corner of Sect. 8
	<input type="checkbox"/> Authorized <input type="checkbox"/> Proposed								
	<input type="checkbox"/> Authorized <input type="checkbox"/> Proposed								

Check all type(s) of change(s) proposed below (change "CODES" are provided in parentheses):

- | | |
|---|--|
| <input type="checkbox"/> Place of Use (POU) | <input type="checkbox"/> Point of Appropriation/Well (POA) |
| <input type="checkbox"/> Point of Diversion (POD) | <input checked="" type="checkbox"/> Additional Point of Appropriation (APOA) |
| <input type="checkbox"/> Additional Point of Diversion (APOD) | <input type="checkbox"/> Surface water POD to Ground Water POA (SW/GW) |

Will all of the proposed changes affect the entire water use permit?

- Yes Complete only the proposed ("to" lands) section of Table 2 on the next page. Use the "CODES" listed above to describe the proposed changes.
- No Complete all of Table 2 to describe the portion of the permit to be changed.

For a change in place of use:

Does the permit holder of record own or control the land TO which the place of use is being moved?

- Yes No

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If NO, the landowner of the land TO which the place of use is being **moved must be assigned to the permit as a permit holder of record** by submitting a completed Request for Assignment form and the required statutory fee for an assignment.

Is the proposed place of use contiguous to the authorized place of use? Yes No

The permitted place of use can be moved only to lands that are contiguous to the authorized place of use **unless** the change to non-contiguous lands is in furtherance of mitigation or conservation efforts undertaken for the purposes of benefiting a species listed as sensitive, threatened, or endangered under ORS 496.171 to 496.192 or the federal Endangered Species Act of 1973 (16 U.S.C. 1531 to 1544), as determined by the listing agency. Contiguous land being either adjacent land or land separated from the land to which a permit is authorized by roads, utility corridors, irrigation ditches or publicly owned rights of way.

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Please use and attach additional pages of Table 2 as needed.
See page 6 for instructions.

Do you have questions about how to fill-out the tables?
Contact the Department at 503-986-0900 and ask for Transfer Staff.

Table 2. Description of Changes to Water Use Permit # G-17182

List the change proposed for the acreage in each ¼ ¼. If more than one change is proposed, specify the acreage associated with each change.
If there is more than one POD/POA involved in the proposed changes, specify the acreage associated with each POD/POA.

AUTHORIZED (the "from" or "off" lands) The listing that appears on the certificate BEFORE PROPOSED CHANGES List only that part or portion of the water right that will be changed.										Proposed Changes (see "CODES" from previous page)	PROPOSED (the "to" or "on" lands) The listing as it would appear AFTER PROPOSED CHANGES are made.											
Twp	Rng	Sec	¼	¼	Tax Lot	Gvt Lot or DLC	Acres (if applicable)	POD(s) or POA(s) (name or number from Table 1)	Priority Date		Twp	Rng	Sec	¼	¼	Tax Lot	Gvt Lot or DLC	Acres (if applicable)	POD(s) or POA(s) to be used (from Table 1)	Priority Date		
EXAMPLE																						
										APOA	1	S	2	W	8	SW	NE	1400 17500		11.5	POA1 POA2	
										APOA	1	S	2	W	8	NE	NW	17500		0.1	POA1 POA2	
										APOA	1	S	2	W	8	SE	NW	17500 17800		3.7	POA1 POA2	
										APOA	1	S	2	W	8	NE	SE	1400		0.1	POA1 POA2	
										APOA	1	S	2	W	8	NW	SE	1400		1.6	POA1 POA2	
TOTAL ACRES										TOTAL ACRES										17.0		

Additional remarks: _____.

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Are there other water rights certificates, water use permits or ground water registrations associated with the "from" or "to" lands? Yes No

If YES, list the other certificate, permit, or ground water registration numbers: _____



If the permit(s) are for irrigation or supplemental irrigation use, other water rights existing on the same land for irrigation that are subject to transfer must either change concurrently or be cancelled. Any change to a water right certificate or ground water registration must be filed separately in a water right transfer application or ground water registration modification application, respectively.

For a change in point(s) of appropriation (well(s)) or additional point(s) of appropriation:

- Well log(s) are attached for each authorized and proposed well(s) that are clearly labeled and associated with the corresponding well(s) in Table 1 above and on the accompanying application map. (Tip: You may search for well logs on the Department's web page at: http://apps2.wrd.state.or.us/apps/gw/well_log/Default.aspx) Applicant Note: Log is for existing well

AND/OR

- Describe the construction of the authorized and proposed well(s) in Table 3 for any wells that do not have a well log. For *proposed wells not yet constructed or built*, provide "a best estimate" for each requested information element in the table. The Department recommends you consult a licensed well driller, geologist, or certified water right examiner to assist with assembling the information necessary to complete Table 3.

Table 3. Construction of Point(s) of Appropriation

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. Failure to provide the information will delay the processing of your transfer application until it is received. The information is necessary for the department to assess whether the proposed well(s) will access the same source aquifer as the authorized point(s) of appropriation (POA). The Department is prohibited by law from approving POA changes that do not access the same source aquifer.

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well, OWRD Well ID Tag No. L-_____	Total well depth	Casing Diameter	Casing Intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well - specific rate (cfs or gpm). If less than full rate of water right
POA2	NO		140'	8"	1'-85'	0-55'	85'-135'		sand	
					135'-140'					

Applicant Note: Information for proposed well provided by well driller Roy Jansen

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ATTACHED 1

STATE OF OREGON

COUNTY OF WASHINGTON

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

WALT HELLMAN
EDWARDS MEADOWS HOA
PO BOX 33
HILLSBORO, OR 97123

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-17568

SOURCE OF WATER: WELL POA 1 IN ROCK CREEK BASIN

PURPOSE OR USE: IRRIGATION OF 17.0 ACRES

MAXIMUM RATE: 0.45 CUBIC FOOT PER SECOND

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31

DATE OF PRIORITY: JULY 9, 2012

WELL LOCATION: SW ¼ NE ¼, SECTION 8, T1S, R2W, W.M.; 1970 FEET SOUTH AND 2450 FEET WEST FROM NE CORNER, SECTION 8

The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-FORTIETH of one cubic foot per second and 0.9 acre-foot for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

SW ¼ NE ¼ 11.5 ACRES
NE ¼ NW ¼ 0.1 ACRE
SE ¼ NW ¼ 3.7 ACRES
NE ¼ SE ¼ 0.1 ACRE
NW ¼ SE ¼ 1.6 ACRES

SECTION 8

TOWNSHIP 1 SOUTH, RANGE 2 WEST, W.M.

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Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of

appropriation. The permittee shall maintain the meter or measuring device in good working order.

- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.
- C. The Director may require the permittee to keep and maintain a record of the amount (volume) of water diverted, and may require the permittee to report water use on a periodic schedule as established by the Director. In addition, the Director may require the permittee to report general water-use information, the periods of water use and the place and nature of use of water under the permit.
- D. The Director may provide an opportunity for the permittee to submit alternative measuring and reporting procedures for review and approval.

The Department requires the water user to obtain, from a qualified individual (see below), and report annual static water levels for each well on the permit. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

The permittee shall report an initial March static water-level measurement once well construction is complete and annual measurements thereafter. Annual measurements are required whether or not the well is used. The first annual measurement will establish a reference level against which future measurements will be compared. However, the Director may establish the reference level based on an analysis of other water-level data. The Director may require the user to obtain and report additional water levels each year if more data are needed to evaluate the aquifer system.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board. Measurements shall be submitted on forms provided by, or specified by, the Department. Measurements shall be made with equipment that is accurate to at least the standards specified in OAR 690-217-0045. The Department requires the individual performing the measurement to:

- A. Associate each measurement with an owner's well name or number and a Department well log ID; and
- B. Report water levels to at least the nearest tenth of a foot as depth-to-water below ground surface; and

- C. Specify the method of measurement; and
- D. Certify the accuracy of all measurements and calculations reported to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if any of the following events occur:

- A. Annual water-level measurements reveal an average water-level decline of three or more feet per year for five consecutive years; or
- B. Annual water-level measurements reveal a water-level decline of 15 or more feet in fewer than five consecutive years; or
- C. Annual water-level measurements reveal a water-level decline of 25 or more feet; or
- D. Hydraulic interference leads to a decline of 25 or more feet in any neighboring well with senior priority.

The period of restricted use shall continue until the water level rises above the decline level which triggered the action or the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or causing substantial interference with senior water rights. The water user shall not allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

Prior to using water from any well listed on this permit, the permittee shall ensure that the well has been assigned an OWRD Well Identification Number (Well ID tag), which shall be permanently attached to the well. The Well ID shall be used as a reference in any correspondence regarding the well, including any reports of water use, water level, or pump test data.

STANDARD CONDITIONS

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may be subject to cancellation, unless the Department authorizes the change in writing.

If substantial interference with surface water or a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced

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and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The well(s) shall be constructed and maintained in accordance with the General Standards for the Construction and Maintenance of Water Supply Wells in Oregon. The works shall be equipped with a usable access port adequate to determine water-level elevation in the well at all times.

If the riparian area is disturbed in the process of developing a point of appropriation, the permittee shall be responsible for restoration and enhancement of such riparian area in accordance with ODFW's Fish and Wildlife Habitat Mitigation Policy OAR 635-415. For purposes of mitigation, the ODFW Fish and Wildlife Habitat Mitigation Goals and Standards, OAR 635-415, shall be followed.

The use may be restricted if the quality of downstream waters decreases to the point that those waters no longer meet state or federal water quality standards due to reduced flows.

Where two or more water users agree among themselves as to the manner of rotation in the use of water and such agreement is placed in writing and filed by such water users with the watermaster, and such rotation system does not infringe upon such prior rights of any water user not a party to such rotation plan, the watermaster shall distribute the water according to such agreement.

Prior to receiving a certificate of water right, the permit holder shall submit to the Water Resources Department the results of a pump test meeting the Department's standards for each point of appropriation (well), unless an exemption has been obtained in writing under OAR 690-217. The Director may require water-level or pump-test data every ten years thereafter.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

Completion of construction and application of the water shall be made within five years of the date of permit issuance. If beneficial use of permitted water has not been made before this date, the permittee may submit an application for extension of time, which may be approved based upon the merit of the application.

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Within one year after making beneficial use of water, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner.

Issued May 1 , 2014



E. Timothy Wallin, Water Rights Program Manager
for Phillip C. Ward, Director

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ATTACH # 2

11/7/2018

Gmail - Re: Permit amendment for G-17568



Walter Hellman <hellmanw@gmail.com>

Re: Permit amendment for G-17568

1 message

Walter Hellman <hellmanw@gmail.com>
To: Patrick.K.Starnes@oregon.gov

Wed, Nov 7, 2018 at 9:16 AM

Hello Kelly,

Thanks so much for this great news. We appreciate your help and fast response/

Walt Hellman
Edwards Meadows Board President

On Wed, Nov 7, 2018 at 8:33 AM STARNES Patrick K * WRD <Patrick.K.Starnes@oregon.gov> wrote:

Hi Walt -

Your attached map meets the Department's requirements for a permit amendment map.

Please include a copy of this e-mail with the permit amendment application when you submit it.

Kelly

Kelly Starnes, Transfer Program Analyst
Oregon Water Resources Department
725 Summer St NE Suite A
Salem OR 97301-1271
Telephone: 503-986-0886 Fax: 503-986-0903
E-mail: patrick.k.starnes@oregon.gov

Please Note: Under Oregon Law, messages to and from this e-mail address may be available to the public.

From: Walter Hellman [mailto:hellmanw@gmail.com]
Sent: Tuesday, November 06, 2018 3:17 PM
To: STARNES Patrick K * WRD
Subject: Re: Permit amendment for G-17568

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Hello Mr. Starnes,

I'm attaching the original approved map with an annotation I've done showing the proposed well location. I got the distances from the section corner by going to the Washington County cartography unit on 1st St. in Hillsboro. A cartographer there gave me the feet measurements from the NE corner of Section 8 contained in the annotation.

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The proposed well location is inside the current irrigation area and close to the property line. We didn't get enough water from the first well and that's why we are looking to put in a second one. We would be irrigating the same areas as were specified in the original permit.

Please let me know how to proceed on the map requirements.

Thanks very much.

Walt Hellman
Edwards Meadows Board President

On Fri, Nov 2, 2018 at 12:59 PM STARNES Patrick K * WRD <Patrick.K.Starnes@oregon.gov> wrote:

Hello Mr. Hellman –

The Department can also accept a permit amendment application map at a pre-approved scale. Please e-mail me a pdf of the map after you plot the proposed well on it, I will then take a look at it to see if the map-scale can be pre-approved.

Kelly

Kelly Starnes, Transfer Program Analyst
Oregon Water Resources Department
725 Summer St NE Suite A
Salem OR 97301-1271
Telephone: 503-986-0886 Fax: 503-986-0903
E-mail: patrick.k.starnes@oregon.gov

Please Note: Under Oregon Law, messages to and from this e-mail address may be available to the public.

From: Walter Hellman [mailto:hellmanw@gmail.com]
Sent: Friday, November 02, 2018 12:00 PM
To: STARNES Patrick K * WRD
Cc: president@edwardsmeadowshoa.org
Subject: Permit amendment for G-17568

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Hello Mr. Starnes,

I am working on a permit amendment for the Edwards Meadows HOA in Hillsboro. We received our permit in May 2014 for an irrigation well. The well was completed in 2015 but did not come up with enough water for our irrigation system. We will be applying for a permit extension and also a permit amendment to put in a second well which would irrigate the same area as the first well.

13150

11/7/2018

Gmail - Re: Permit amendment for G-17568

The office told us that this application does not need to be completed by a licensed engineer and so I am doing this. I am a homeowner in the HOA and on the Board as landscape chair.

I was also told by the office that we could annotate the existing map in our file (attached) to show the location of the proposed 2nd well. I have gone to the Washington County cartography department, showed them the location of the proposed well and they have given me the distance coordinates for the proposed well in relation to the NE corner of Section 8, namely 1,888' south and 2,112' west.

My question is related to how I submit the annotated map. The required scale in the instructions is 1" =400', but when I print the map out on 8.5 x 11" paper, the scale is much different.

So I would appreciate some help or information on how to submit the annotated map.

Of course I'll be happy to provide any other information that is needed for this issue.

Thanks.

Walt Hellman

Edwards Meadows Board President

cell phone: 503-330-2044

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ATTACH #3

COPY

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

WELL I.D. LABEL# L 117224 START CARD # 212133 ORIGINAL LOG #

(1) LAND OWNER Owner Well I.D. First Name Last Name Company EDWARDS MEADOWS HOMEOWNERS ASSOCIATION Address PO BOX 33 City HILLSBORO State OR Zip 97123

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

(2a) PRE-ALTERATION Dia + From To Gauge Std Plstc Wld Thrd Casing: Material From To Amt sacks/lbs Seal:

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

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

(5) BORE HOLE CONSTRUCTION Special Standard (Attach copy) Depth of Completed Well 140 ft. BORE HOLE Dia From To Material From To Amt sacks/lbs

Table with columns: Dia, From, To, Material, From, To, Amt, sacks/lbs. Rows for Bentonite and Cement.

How was seal placed: Method [] A [] B [X] C [] D [] E [X] Other POUR INTO ANNULAR Backfill placed from 55 ft to 140 ft. Material SAND Size 1C&8

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

(6) CASING/LINER Casing Liner Dia + From To Gauge Std Plstc Wld Thrd Shoe [] Inside [] Outside [] Other Location of shoe(s) Temp casing [] Yes Dia From To

Table with columns: Casing, Liner, Dia, From, To, Gauge, Std, Plstc, Wld, Thrd. Rows for casing and liner details.

(7) PERFORATIONS/SCREENS Perforations Method Screens Type WIREWOUND Material STAINLESS STL. Perf/S green Casing Liner Dia From To width length # of slots # of Tele/ pipe size

Table with columns: Screen, Casing, Liner, Dia, From, To, width, length, # of slots, # of Tele/ pipe size. Row for screen details.

(8) WELL TESTS: Minimum testing time is 1 hour [] Pump [X] Bailer [] Air [] Flowing Artesian Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)

Table with columns: Yield gal/min, Drawdown, Drill stem/Pump depth, Duration (hr). Row for test results.

Temperature 56 °F Lab analysis [] Yes By Water quality concerns? [] Yes (describe below) TDS amount 88 ppm From To Description Amount Units

(9) LOCATION OF WELL (legal description) County WASHINGTON Twp 1 S N/S Range 2 W E/W WM Sec 8 SW 1/4 of the NE 1/4 Tax Lot 1400 Tax Map Number Lot Lat Long

2640 SE MEADOWLARK DR. Street address of well Nearest address

(10) STATIC WATER LEVEL Date SWL(psi) + SWL(ft) Existing Well / Pre-Alteration Completed Well 05-01-2015 3 Flowing Artesian? Dry Hole?

WATER BEARING ZONES Depth water was first found 85 SWL Date From To Est Flow SWL(psi) + SWL(ft)

(11) WELL LOG Ground Elevation Material From To TOPSOIL 0 1 BROWN CLAY 1 3 FINE GRAY SAND/SILT 3 24 GRAY SILT WITH CLAY & WOOD 24 70 DARK GRAY CLAY 70 74 SOFT GRAY SANDY CLAY OCC SAND SEAMS AND WOOD 74 98 SOFT GRAY CLAY 98 101 GRAY SANDY CLAY WITH SAND SEAMS 101 110 FINE TO COARSE BLACK SAND WITH TRACE FINE GRAVEL 110 121 SOFT GRAY CLAY 121 129 FINE TO MEDIUM GRAY BROWN SAND 129 135 SOFT LITE GRAY CLAY 135 140

Date Started 04-24-2015 Completed 05-01-2015

(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. License Number Date

Signed RECEIVED

(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. License Number 1266 Date 05-01-2015 OWRD

Signed Contact Info (optional)

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ATTACH #4

Oregon Water Resources Department PERMIT CONDITION WATER-LEVEL REPORTING FORM

Your water right requires periodic static water-level measurements in your wells. Consult your permit or certificate to determine when measurements should be made, when reports are due, and who is allowed to make the measurements. Keep a copy of all measurement reports for your records. All wells that have been constructed must be measured regardless of whether they are being used. Please contact the Department if you are no longer the holder of this right or no longer have an interest in it.

Application: G 17568
Permit: G 171R2
Certificate:
Transfer:
POD: 1
Userid: 31698

WALT HELLMAN
EDWARDS MEADOWS HOA
PO BOX 33
HILLSBORO OR 97123

Well History, if available:			
Logid	Type Work	Date	Depth
WASH 73639	NEW WELL	05/01/2015	140

Identification of Measured Well (Provide as much information as possible. Correct any errors.)

Water Resources Well Log ID: **WASH 73639** Owner's well name: _____
 Well ID (Well Tag) on Well: L- _____ Well name on water right: **WELL POA 1**
 Well ID (Well Tag) on Well Log: L- **117224** Well drilled by: **A M JANNSEN WELL DRILLING CO INC**
 Start Card # on Well Log: **212133** Total depth: _____ Casing diameter (inches): _____
 Date drilled: **05/01/2015** Owner on well log: **EDWARDS MEADOWS HOMEOWNERS**
 Well location on water right: **In the SW quarter of the NE quarter of Section 8, Township 1.00S, Range 2.00W, 1970 FEET SOUTH AND 2450 FEET WEST FROM NE CORNER, SECTION 8**

Water-Level Measurement

Date of measurement: **3/7/2019** Measurements should be made to at least the nearest tenth of a foot (10.2"), the nearest inch (10.3") or the nearest pound, if using a gage.
 Depth to water below measuring point: **34"** Airline length or transducer depth: _____ feet
 Measuring point height above / below land surface: **19"** Airline pressure: _____ psi x 2.31 = _____ feet
 Depth to water below land surface: **15"** Shut-in pressure: _____ psi x 2.31 = _____ feet
 Measurement status: Static Pumping Rising Flowing Other
 Measurement method: E-tape Airline Other
 Length of time well was idle prior to measurement: _____
 Measuring point description: **TOP OF WELL CASING**
 The measuring point is the reference point from which the measurement is made. Examples are: 1/2" access port in well cap, 1-1/2" port pipe on N side, pressure gage.

Comments: _____

When did water use begin for this well under this permit? Month: _____ Year: _____

I hereby certify that the information on this report is accurate and represents the static water level in the well at the time of measurement.
 Person making measurement (print): **Roy Janssen**
 Signature of measurer: *Roy Janssen*
 Company: **A.M. JANSSEN Well Drilling Co Inc**
 License number (Circle license type: CWRE, RG, PE, WWC, Pump Installer): **1266**
 Daytime phone number: **(503) 644-5563** Email address: **janssenwelldrilling@comcast.com**

If you have any questions about this notice, please call the Measurement & Reporting Section of the Department at 503-986-0822. Return this Form to: OWRD, Meas & Rept Section, 725 Summer St. NE, Suite. A, Salem, OR 97301-1266 or email it as an attachment to reportingmmts@wrdd.state.or.us.
 Additional forms can be obtained from our web sit at: <http://www.wrd.state.or.us>. OWRD GW/KCW 2/6/2017

Water Level Data on File at OWRD for this well (last 2 measurements only, most recent date on top):

Date	MP Height	WL BLS	Pump Idle Time	Status	Method	Measured By	Measuring Point Description
03/16/2016	2.42	4.50	6.5 MONTHS	STATIC	ETAPE	ROY JANSSEN	TOP OF VENT PIPE THROUGH WELL SEAL

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Oregon Water Resources Department

PERMIT CONDITION WATER-LEVEL REPORTING FORM

Your water right requires periodic static water-level measurements in your well. Please review your water right to determine when measurements should be made, when reports are due, and who is allowed to make the measurements. Keep a copy of all measurement reports for your records. Your well must be measured regardless of whether it is in use. Please contact the Department if you are no longer the holder of the water right that lists this well or if you wish to cancel the right.

Application	G 17568
Permit	G 17182
Certificate	
Transfer	
POD	1
Userid	31698

WALT HELLMAN
EDWARDS MEADOWS HOA
PO BOX 33
HILLSBORO OR 97123

Water Right (OWRD Use Only):
Permit: G 17182 * {178624}

A. Identification of Measured Well (Provide as much information as possible. Correct any errors.)

Water Resources Well Log Id WASH 73639* Well name on water right WELL POA 1
Well Id- Well Tag on Well: L- _____ Owner's well name EDWARDS MEADOWS HOA
Water Use Report Id _____ Water use rpt facility name _____

* Per OWRD records, if shown

Logid (Well History)	Type Work	Startcatd Nbr	Well Tag	Csg (inches)	Max Depth	Complete Date	Owner on Well Log
WASH 73639	NEW	212133	117224			05/01/2015	EDWARDS MEADOWS HOMEOWNERS

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B. Well Location Lat (WGS1984): _____ Long: _____ Est loc error (feet): _____ Loc Source (gps...): _____
Location on water right: In the SW qtr of the NE qtr of Section 8, T. 1.00S, R. 2.00W, 1970 FT S & 2450 FT W FR NE COR, S8

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C. Water-Level Measurement

Date of measurement: 3/30/2018 Measurements should be made to at least the nearest tenth of a foot (10.2), the nearest inch (10' 3") or the nearest pound, if using a gage.
Depth to water below measuring point: 38" Airline length or transducer depth (below land surface): _____ feet
Measuring point height above / below land surface: 29" Airline gage pressure: _____ psi x 2.31 = _____ feet
Depth to water below land surface: 9" Shut-in pressure (flowing wells): _____ psi x 2.31 = _____ feet
Measurement status: Static Pumping Rising Flowing Other _____
Measurement method: E-tape Airline Other _____
Length of time well was idle prior to measurement: 6 1/2 MONTHS

Measuring point description: TOP OF VENT PIPE THROUGH WELL SEAL
The measuring point is the reference point from which the measurement is made. Examples are: 1/2" access port in well cap; 1-1/2" port pipe on N side; pressure gage. Measuring points should not be used for airline measurements as airlines lengths should be referenced to land surface. Flowing wells should be fully shut off until the gage pressure is stable to get a "static" measurement. The measuring point is the height of the gage above land surface.
Comments: _____

D. Certification I certify that this report is accurate and represents the static water level in the well at the time of measurement.

Person making measurement (print): Roy Jannsen
Signature of measurer: _____
Company: A.M. Jannsen Well Drilling
License number (Circle license type: CWRE, RG, PE, WWC, Pump Installer): 1266
Daytime phone number: (603) 649-8863 Email address: jannsenwelldrilling@fiber.com

Questions? Call the Measurement & Reporting Section of the Department at 503-986-0822.
Return this Form to: OWRD, Meas & Rept Section, 725 Summer St. NE, Suite. A, Salem, OR 97301-1266.
Or email it as an attachment to reportingmmts@wrdd.state.or.us
Additional forms can be obtained from our web sit at: http://www.wrd.state.or.us. OWRD GW/KCW 2/15/2018

Water Level Data on File at OWRD for this well (last 3 measurements only, most recent date on top):

Date	Arln Len	WL BMP	MP Height	WL BLS	Status	Method	Measured By	Measuring Point Description
03/16/2016		6.92	2.42	4.50	STATIC	ETAPE	ROY N JANNSEN	TOP OF VENT PIPE THROUGH WELL SEAL

Oregon Water Resources Department
PERMIT CONDITION WATER-LEVEL REPORTING FORM

Your water right requires periodic static water-level measurements in your wells. Consult your permit or certificate to determine when measurements should be made, when reports are due, and who is allowed to make the measurements. Keep a copy of all measurement reports for your records. All wells that have been constructed must be measured regardless of whether they are being used. Please contact the Department if you are no longer the holder of this right or no longer have an interest in it.

Application: G 17568
 Permit: G 17182
 Certificate:
 Transfer:
 POD: 1
 Userid: 31698

WALT HELLMAN
EDWARDS MEADOWS HOA
PO BOX 33
HILLSBORO OR 97123

Well History, if available:

Logid	Type Work	Date	Depth
WASH 73639	NEW WELL	05/01/2015	140

Identification of Measured Well (Provide as much information as possible. Correct any errors.)

Water Resources Well Log ID:	WASH 73639	Owner's well name:	Edwards Meadows HOA
Well ID (Well Tag) on Well: L-		Well name on water right:	WELL POA 1
Well ID (Well Tag) on Well Log: L-	117224	Well drilled by:	A M JANNSEN WELL DRILLING CO INC
Start Card # on Well Log:	212133	Total depth:	140' Casing diameter (inches): 8"
Date drilled:	05/01/2015	Owner on well log:	EDWARDS MEADOWS HOMEOWNERS
Well location on water right:	In the SW quarter of the NE quarter of Section 8, Township 1.00S, Range 2.00W, 1970 FEET SOUTH AND 2450 FEET WEST FROM NE CORNER, SECTION 8		

Water-Level Measurement

Date of measurement: **MAR 13, 2017** Measurements should be made to at least the nearest tenth of a foot (10.2'), the nearest inch (10' 3") or the nearest pound, if using a gage.

Depth to water below measuring point: **40"** Airline length or transducer depth: feet

Measuring point height above / below land surface: **29"** Airline pressure: psi x 2.31 = feet

Depth to water below land surface: **11"** Shut-in pressure: psi x 2.31 = feet

Measurement status: Static Pumping Rising Flowing Other

Measurement method: E-tape Airline Other

Length of time well was idle prior to measurement: **6 1/2 months**

Measuring point description: **Top of vent pipe through well seal**

The measuring point is the reference point from which the measurement is made. Examples are: 1/2" access port in well cap; 1-1/2" port pipe on N side; pressure gage.

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Comments: _____

When did water use begin for this well under this permit? Month Year

I hereby certify that the information on this report is accurate and represents the static water level in the well at the time of measurement.

Person making measurement (print): **Roy N. Janssen**

Signature of measurer: *Roy N. Janssen*

Company: **A.M. Janssen Well Drilling Co Inc**

License number (Circle license type: CWRE, RG, PE, WWC, Pump Installer): **WWC 1266**

Daytime phone number: **(803) 649-5563** Email address: **janssenwelldrilling@frontier.com**

If you have any questions about this notice, please call the Measurement & Reporting Section of the Department at 503-986-0822. Return this Form to: OWRD, Meas & Rept Section, 725 Summer St. NE, Suite. A, Salem, OR 97301-1266 or email it as an attachment to reportingmmts@wrdd.state.or.us

Additional forms can be obtained from our web sit at: <http://www.wrd.state.or.us>. OWRD GW/KCW 2/6/2017

Water Level Data on File at OWRD for this well (last 2 measurements only, most recent date on top):

Date	MP Height	WL BLS	Pump Idle Time	Status	Method	Measured By	Measuring Point Description
03/16/2016	2.42	4.50	6.5 MONTHS	STATIC	ETAPE	ROY N JANNSEN	TOP OF VENT PIPE THROUGH WELL SEAL

Oregon Water Resources Department
PERMIT CONDITION WATER-LEVEL REPORTING FORM

Your water right requires periodic static water-level measurements in your wells. **Consult your permit or certificate to determine when measurements should be made, when reports are due, and who is allowed to make the measurements.** Keep a copy of all measurement reports for your records. **All wells that have been constructed must be measured regardless of whether they are being used.** Please contact the Department if you are no longer the holder of this right or no longer have an interest in it.

Application: G 17568
 Permit: G 17182
 Certificate:
 Transfer:
 POD: 1
 Userid: 31698

WALT HELLMAN
 EDWARDS MEADOWS HOA
 PO BOX 33
 HILLSBORO OR 97123

Well History, if available:

Logid	Type Work	Date	Depth

Identification of Measured Well (Provide as much information as possible. Correct any errors.)

Water Resources Well Log ID: Owner's well name: EDWARDS MEADOWS HOA
 Well ID (Well Tag) on Well: L- Well name on water right: WELL POA 1
 Well ID (Well Tag) on Well Log: L- 117224 Well drilled by: A.M. Jannsen Well Drilling
 Start Card # on Well Log: 212133 Total depth: 140' Casing diameter (inches): 8"
 Date drilled: 5/15 Owner on well log: EDWARDS MEADOWS HOA
 Well location on water right: In the SW quarter of the NE quarter of Section 8, Township 1.00S, Range 2.00W, 1970 FEET SOUTH AND 2450 FEET WEST FROM NE CORNER, SECTION 8

Water-Level Measurement

Date of measurement: Mar. 16, 2016 Measurements should be made to at least the nearest tenth of a foot (10.2'), the nearest inch (10' 3") or the nearest pound, if using a gage

Depth to water below measuring point: 83" Airline length or transducer depth: feet
 Measuring point height above / below land surface: 29" Airline pressure: psi x 2.31 = feet
 Depth to water below land surface: 54" Shut-in pressure: psi x 2.31 = feet

Measurement status: Static Pumping Rising Flowing Other
 Measurement method: E-tape Airline Other
 Length of time well was idle prior to measurement: 6 1/2 months
 Measuring point description: Top of vent pipe through well seal
 The measuring point is the reference point from which the measurement is made. Examples are: 1/2" access port in well cap, 1-1/2" port pipe on N side, pressure gage

Comments: _____

When did water use begin for this well under this permit? Month Year

I hereby certify that the information on this report is accurate and represents the static water level in the well at the time of measurement.

Person making measurement (print): Roy N. Jannsen
 Signature of measurer: [Signature]
 Company: A.M. Jannsen Well Drilling
 License number (Circle license type: CWRE, RG, PE, WWC, Pump Installer): WWC 1266
 Daytime phone number: (503) 649-5565 Email address: jannsenwelldrilling@fastnet.com

If you have any questions about this notice, please call the Measurement & Reporting Section of the Department at 503-986-0822. **Return this Form to: OWRD, Meas & Rept Section, 725 Summer St. NE, Suite. A, Salem, OR 97301-1266 or email it as an attachment to reportingmmts@wrd.state.or.us**

Additional forms can be obtained from our web sit at: <http://www.wrd.state.or.us>.

OWRD GW/KCW 1/27/2016

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Date	MP Height	WL BLS	Pump Idle Time	Status	Method	Measured By	Measuring Point Description

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ATTACH #5

Edwards Meadows Water Meter Readings for Well Near Social Hall Parking Lot
(add a zero to meter reading)

WATER LEVEL BELOW
(-DOWN)

GALLONS

1 FT³ = 7.481 GALLONS

Date	Reading	Date	Reading	Date	Reading	Date	Reading
6/24/15	0					3/16/200	54"
6/27/15	115,190					3/13/2017	11"
7/4/15	377,470					7/11/2017	55' DURING WELLS RUN
7/14/15	763,700						
8/4/15	1,503,010					9/26/18	8' WELL OFF
8/14/15	1,801,440						
8/30/15	2,234,890						
9/10/15	2,388,770						
END SEASON							
4/20/16	START-UP						
4/20/16	2,390,610						
5/15/16	3,201,870						
7/30/16	4,170,270						
10/26/16	5,069,970						
END SEASON							
7/17/17	6,662,240						
10/31/17	9,226,100						
END							
3/10/18	NEW SEASON						
↓	9,227,360						
FILL IRRIG LINES	9,227,530						
TRIP/TURNOVER	10,000,000						
	0						
6/19/18	0101030						
7/9/18	1,217,180						
8/13/18	3,021,800						
9/26/18	3,997,630						
10/30/18	4,109,930	END SEASON WINTER					

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Meadows Well Information
July 2015

Basic Well Facts:

Depth: 140'

Casing: 8"

Pump depth: 85'

Pump: 7.5 HP, 3 phase, 240 VAC provided by single phase 240 VAC Variable Frequency Drive

Continuous capacity: 70 gallons per minute

Well driller: Jannsen Well Drilling

First day of operation: June 24, 2015

Cost: \$47,844 (includes \$500 estimate of final tasks)

Detail on Cost:

Job	Estimate published with 2/15 newsletter	Actual	
Well Drilling	\$21,000	\$20,008	Jannsen 8" steel casing
Pump/ VFD Install/meter	\$15,500	\$12,179	Hillsboro Pump: (HPS) savings from pump size and depth not as extreme as could have been
PGE-make power connection in Foxglove vault; install wiring and transformer in parking lot	\$4,500	\$4,034	Did survey and re-landscaped Foxglove digout for vault
Boring and Conduit-install Foxglove vault, bore across RoodBridge Dr., trench to shed and well. Install conduit	\$4,690	\$5,695	30% HPS discount for having them both for pump and boring

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Install meter base, breaker box electrical connections in shed; outlet and light	\$3,500	\$2,299	Clapshaw
Shed	\$1,200	\$1,034	Tuff Shed
Well and piping covers, shed vents	NA	\$522	Pitts
Connect to irrigation system	\$1,500	\$1,500	Landscape Ent.
Plumbing permit-Goldenrod disconnect	NA	\$73	
Estimated follow-up	NA	\$500	
TOTAL	\$51,890	\$47,844	

Notes on costs:

- The cost of the well had to include approximately \$11,000 for providing power to the well. Had an adequate PGE transformer been available near the site the well cost would have been about \$11,000 less
- In estimating the project cost we had to include the possibility of getting enough water to also do the other two greenways. We therefore budgeted a pump large enough to do that. When the well did not get enough water for the other greenways (at least 110 gpm) we were able to use a smaller pump at a shallower depth. This change accounted for a large part of the savings from estimated costs. The cost-benefit analysis (payback period) never assumed that the other greenways would also be watered from this well.
- The state requires us to provide a static well measurement once per year. The well driller, Roy Janssen has written to us that he will do this for free for us.
- The shed was leveled and painted on a volunteer basis by Paul Ennes and Walt Hellman

Well History:

In June 1976 Janssen well drilling completed a 120 ft well near the Social Hall. For reasons that are not clear, it seems the well was damaged beyond repair and never became operational. It went artesian in 1999 and was decommissioned. In June 1993 board president Bob Daggett appointed a committee to study the "feasibility of an irrigation well for the Meadows green belt." In 2009, Landscape Chair Paul Ennes did a feasibility study for the well. At the April 2012 board meeting, Walt Hellman presented a contract with Stutzner Engineering to do a water rights application for a well. The board unanimously approved the contract with the understanding that a final decision could be made building a well when and if water rights were obtained. \$5,000 per year of the reserve contributions were earmarked for the

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well. After numerous interactions with the State Dept of Water Resources, the water rights application was approved by the state May 1, 2014. After recommendation for approval by the Landscape and Budget Committees, the board, at its January 2015 approved the annual budget which included money to drill the well. A specific motion to authorize the contract to for the well drilling was approved on a 5-2 vote. The drilling of the well started on April 23, 2015. PGE needed to tap into power lines in front of 2273 SE Foxglove for power. A vault was installed there by Hillsboro Pipe Supply (Hillsboro Pump) and HPS also did the boring across Rood Bridge Drive so a transformer could be installed aside the Social Hall parking lot. A shed was installed near the tennis court entrance to house the pump related equipment. A 7.5 HP 3 phase pump was installed at an 85 ft. depth in the well. Flow tests indicated that 70 gallons per minute could be pumped continuously with no drop in well level at this depth. The well became operational June 24, 2015.

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Well Construction Pictures Summer 2015



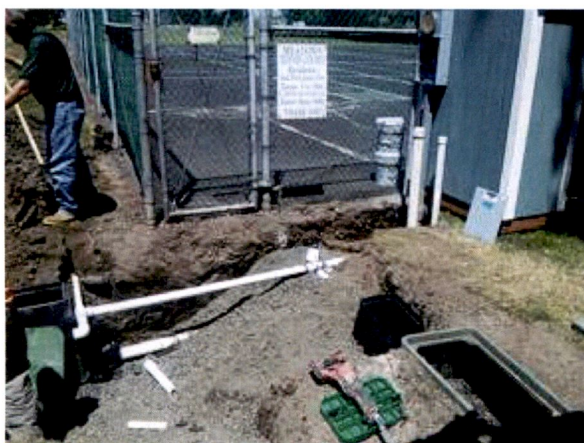
Lower pipe is electrical conduit

Crossing white pipe is unknown lateral

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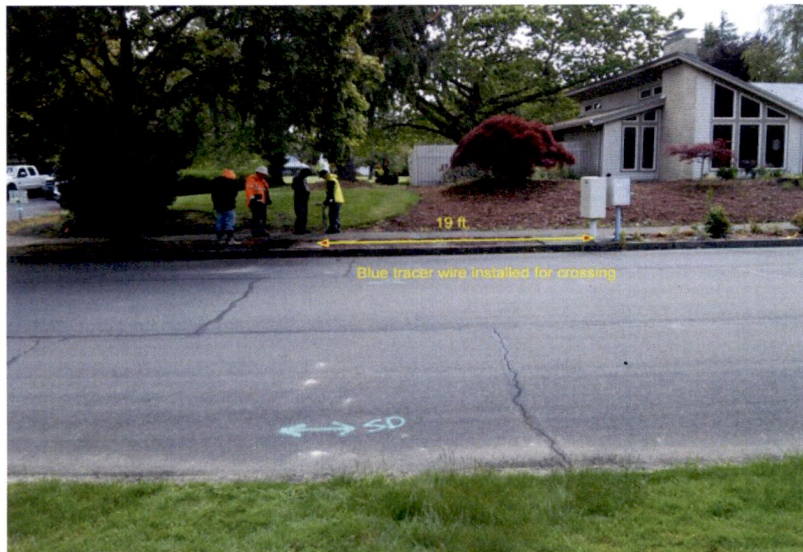
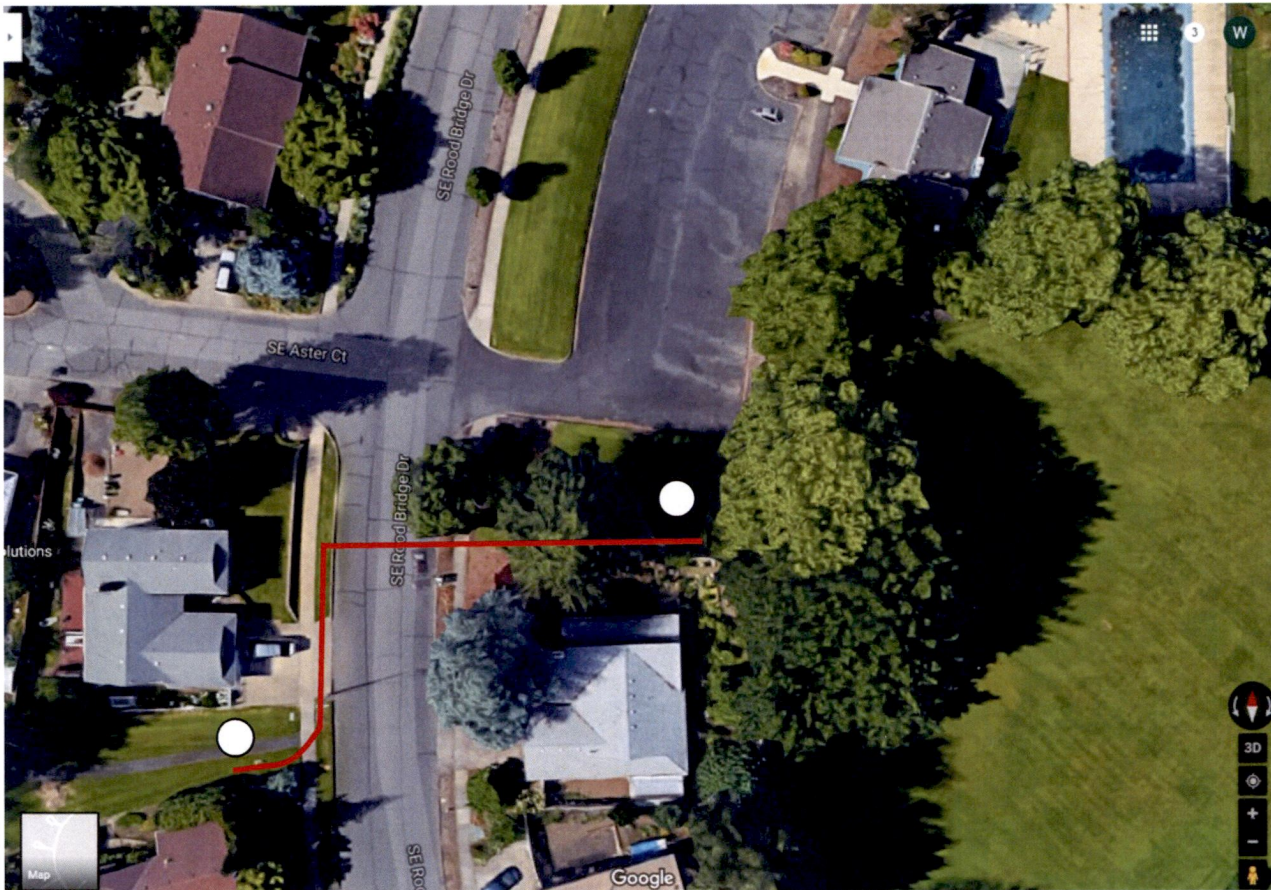
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Well Extension Project, May 2017

Purpose: To extend the supply of well water from the well, across Rood Bridge Drive, to supply irrigation water for the middle and small sized greenways on the side of the street opposite the well.

Connections:

A. Middle greenway:



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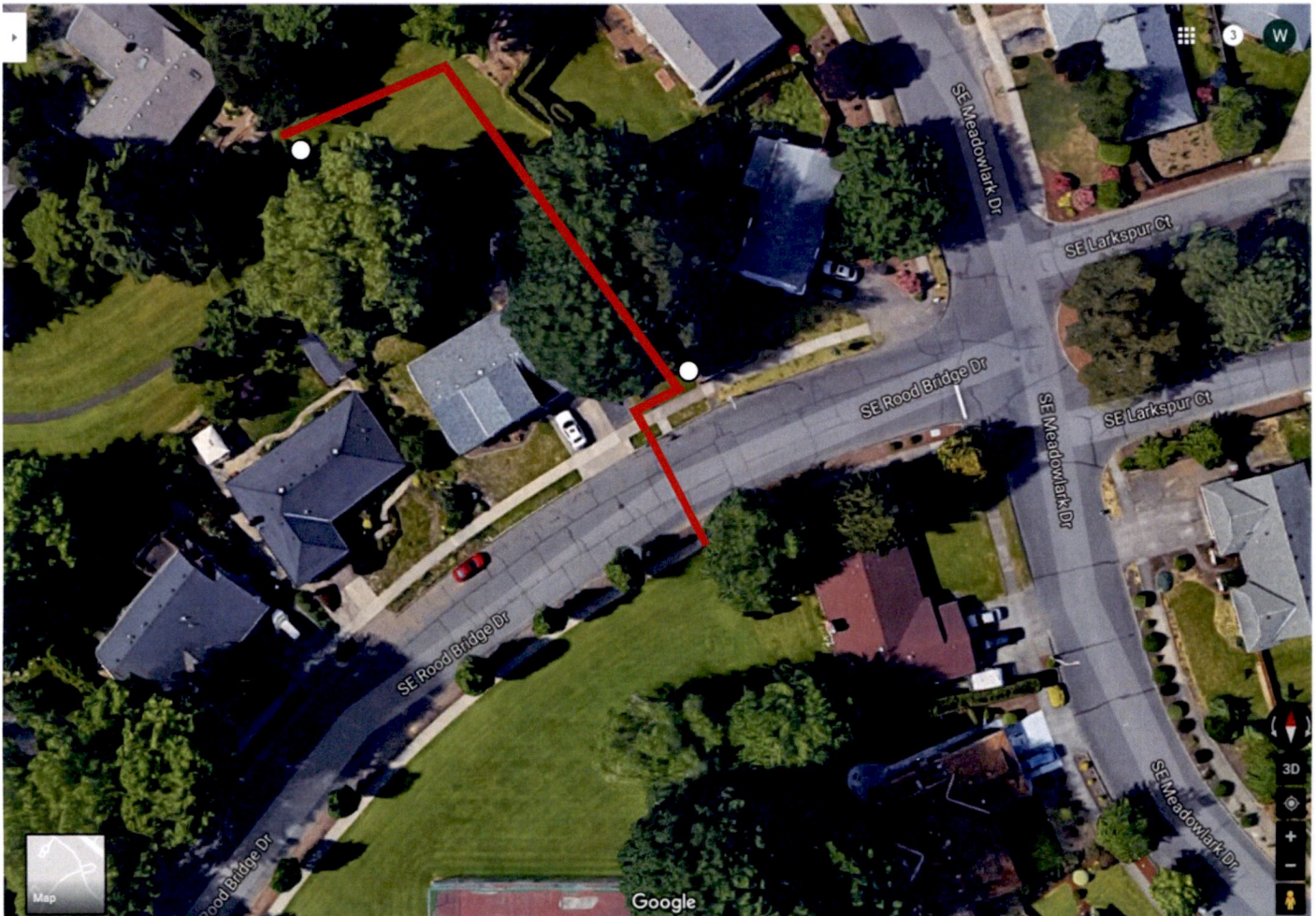
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Notes:

- connecting line done with 3" inch pipe
- blue tracer wire installed with the crossing pipe
- White circles indicate shut off valves in irrigation boxes.
- connection on well side was made to existing valve box
- crossing point is 19 feet from post of mail box

B. Small Greenway



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The piping and boring work and associated connections were done by Hillsboro A pipe already crossing the street was found during the initial digging process for installation. Apparently the street crossing was done in 1976 to prepare for the well that was dug then. That well failed due to overpumping according to someone involved at the time. is not known if a pipe was also put across for the middle greenway, or if the middle and small greenway were connected. None of these connections were found during the well expansion.

It is not currently known where the street crossing pipe connects to the main greenway mainline. There is no known dedicated shut-off valve for on the well side of this connection.

The existing street crossing pipe continued into the small greenway and made a connection with the mainline generally at the edge of the greenway near the common property line of 2346 and 2358 SE Columbine Ct. A frozen closed shutoff valve was found there in the ground without any irrigation box. That valve was replaced and the connection is now in an irrigation box.

Notes:

- White circles are shut off valves
- Street crossing at 2481 Southeast Road Bridge Drive. On well side of road pipe crossing is 21 feet from the center of the parcel post box going towards the intersection with Meadowlark Drive
- On house side the pipe is 11 feet from the edge of the driveway at the sidewalk where it makes a right angle turn to cross the path on the house side of the sidewalk.

Cost:

Pipe work was done by HPS Construction, Inc. Cost was \$10,686.82. There were about \$600 in other costs related to pre-location work for the connecting points.

Walt Hellman
July 2017

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Middle Greenway Connection June 2018

In the summer of 2017 the well water was extended across Rood Bridge Dr. to the small and middle greenways. But the middle greenway ran on two separate mainlines, fed by two city water meters, one at 2743 SE Rood Br. Dr. and the other at 1960 SE Meadowlark Dr.

The crossing of Rood Br. Dr. for the middle greenway only connected to the mainline that had been connected at 2743 RB. In order to get the well water to the other mainline on the middle greenway, pipe had to be installed connecting the two mainlines. This connection was made in June 2018.

The work was done by A&M Landscape (contact Mario Elias: 503-341-2144). A roughly 670 ft run was required from in back of 2140 SE Aster Ct. to the valve located at the fork in the path, near 1936 SE Meadowlark Dr. Schedule 40 2" pipe was used. No other valves were installed. The cost was \$6,100.

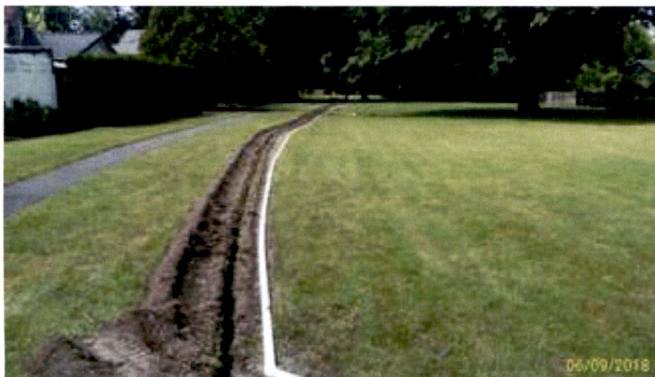
We found during this job that the 2743 mainline ended at the triple valve behind 2140 SE RB. The connection was made in a new valve box adjacent to the triple valves which are approximately between the property lines shared by 2140 SE Aster and 2118 SE Aster.

Near where the pipe crosses the asphalt path we found an electrical line that runs to the irrigation control box from our electrical easement at 2722 SE Hollyhock (Hughes).

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Walter Hellman <hellmanw@gmail.com>

RE: Edward Meadow's HOA - Irrigation Water

1 message

Brian Jansen <Brian.Jansen@hillsboro-oregon.gov>
To: Walter Hellman <hellmanw@gmail.com>

Wed, Jun 20, 2018 at 4:00 PM

Good afternoon Walt,

The meter has been removed. Your system is now completely disconnected from City water. Let me know if anything changes in the future or if you need to reactivate the City water again.

Thanks Walt!

Brian Jansen | *Engineering Coordinator*

City of Hillsboro, Oregon | Water Department

Office 503-615-6723 | Fax 503-615-6595

From: Walter Hellman [mailto:hellmanw@gmail.com]
Sent: Friday, June 15, 2018 2:09 PM
To: Brian Jansen <Brian.Jansen@hillsboro-oregon.gov>
Subject: Re: Edward Meadow's HOA - Irrigation Water

Hello Brian,

Our well Expansion Project is now complete. As per our conversation, the meter at [1960 SE Meadowlark Dr. \(#05205\)](#) can now be removed as you indicated would happen when the project was completed.

Please let me know when this work will be scheduled.

Thanks.

Walt Hellman
Edwards Meadows Board President

On Thu, Jun 7, 2018, 2:38 PM Brian Jansen <Brian.Jansen@hillsboro-oregon.gov> wrote:

Perfect, thanks Walt!

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Brian Jansen | *Engineering Coordinator*

City of Hillsboro, Oregon | Water Department

Office 503-615-6723 | Fax 503-615-6595

From: Walter Hellman [mailto:hellmanw@gmail.com]
Sent: Thursday, June 7, 2018 11:35 AM
To: Brian Jansen <Brian.Jansen@hillsboro-oregon.gov>
Cc: president@edwardsmeadowshoa.org
Subject: Re: Edward Meadow's HOA - Irrigation Water

Hello Brian,

Thank you for putting this matter in one place and for your information about requirements should any future need to reconnect to City water develop. We will keep this email in our archives.

Just to note, the well was put in in 2015. The main greenway was well watered at that time. Last year we started connections for the well water across Rood Bridge Dr. to irrigate the other two greenways we have. We had one City meter and mainline that remained to be connected to well water. We hope to have that work completed by this weekend. In that case, the last meter, 05205 can be removed.

The inspections that we had to this point required that we cap off our irrigation pipe that goes to the meter so that there is an air space between the meter and our well irrigation system. Given the assurances in your email about what would be needed to restore City service should that need arise, we have no concerns about the removal of the meters. With the completion of the well project we will only have the meter, 05256, that serves the Social Hall and pool, We will submit backflow checks for that meter.

Thanks very much for your help.

Walt Hellman

Edwards Meadows Board President

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On Thu, Jun 7, 2018 at 10:31 AM Brian Jansen <Brian.Jansen@hillsboro-oregon.gov> wrote:

Good morning,

We've had some confusion regarding Edward Meadow's irrigation meters for the common areas and I want to make sure everyone is on the same page. Last year, the HOA decided to drill an irrigation well instead of continuing to use City water for irrigation. The four irrigation meters that were being used in that area were locked off and the accounts were noted about the conversion to well water.

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Walt Hellman, Edwards Meadows Board President, called in April of this year to reactivate one of those meters that served a green space that they never ended up getting the well water to last year. Walt has the meter scheduled to be turned off today, June 7th, so they can finish the connection to the well for that area this weekend. Since they will be using a well and it is a Cross Connection hazard to our system the meters will need to be pulled.

UB – Can we verify that the following accounts have been inactivated, the meters pulled and the connections locked off? We also want to have a note on the account in MUNIS that would prevent the account from being reactivated in the future without consulting Water Engineering. It currently says “Converting to well water – Do Not Activate” will that work for staff?

The accounts are:

#05205 – 1960 SE Meadowlark Dr

#05255 – 2743 SE Rood Bridge Dr

#05224 – 2192 SE Meadowlark Dr

#05272 – 2636 SE Meadowlark Dr

Mr. Hellman – If your HOA's well ever fails and you need to convert your system back to City water it can be done with the proper steps. You would call Water Department Engineering at 503-615-6703 and ask for the Cross Connection Specialist and tell them about your situation (just in case this is 20 years from now and I'm not here). We would need to verify that the well has been disconnected from the whole system then move forward with reinstalling your meters. Those four connections will remain should you ever need them in the future so you would not be charged for a new service connection, you would just call Utility billing to restart your account. Whatever the account set up fee is at that time would be the only fee charged.

Please don't hesitate to call or email me with any questions or concerns.

Thanks,

Brian Jansen | *Engineering Coordinator*

City of Hillsboro, Oregon | Water Department

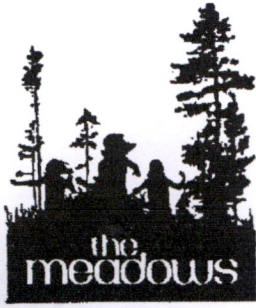
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EDWARDS MEADOWS HOMEOWNERS ASSOCIATION

P.O. BOX 33 HILLSBORO, OREGON 97123

G-17182 Permit Amendment Application Attachments

1. Permit G-17182
- b. Annotated Application G-17568 map
2. Starnes map approval email
3. Well log
4. Static level reporting forms, 2016-2019
5. Flow meter record recording sheet
6. Well project summary to date

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