



TELEPHONE (503) 357-5717
FAX (503) 357-5698
EMAIL: firstlastname@stuntzner.com
2137 19th Avenue
Forest Grove, OR 97116

COOS BAY - FOREST GROVE - DALLAS

June 25, 2012

Oregon Water Resources Department
Water Rights – GW Application Section
725 Summer Street NE., Ste. A
Salem, OR 97301-1266

RE: Groundwater Permit Application

To Whom It May Concern:

The enclosed Application for a Permit to Use Ground Water has been completed.

Within this packet you will find the following items:

1. Check for \$1650 to cover processing fees.
2. Application for a Permit to Use Ground Water
3. Attachment "A" – General Remarks
4. Attachment "B" – Application Map
5. Attachment "C" – Legal Descriptions
6. Attachment "D" – Fee Computation
7. Attachment "E" – Pump Capacity Calculation
8. Land Use Information Form

Please call if you have questions or need additional information.

Sincerely,
Stuntzner Engineering & Forestry, LLC

Eric Urstadt, PE, PLS

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WATER RESOURCES DEPT
SALEM, OREGON

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

Water-Use Permit Application Processing

1. Completeness Determination

The Department evaluates whether the application and accompanying map contain all of the information required under OAR 690-310-0040 and OAR 690-310-0050 (www.oregon.gov/owrd/law). The Department also determines whether the proposed use is prohibited by statute. If the Department determines that the application is incomplete, all fees have not been paid, or the use is prohibited by statute, the application and all fees submitted are returned to the applicant.

2. Initial Review

The Department reviews the application to determine whether water is available during the period requested, whether the proposed use is restricted or limited by rule or statute, and whether other issues may preclude approval of or restrict the proposed use. An Initial Review (IR) containing preliminary determinations is mailed to the applicant. The applicant has 14 days from the mailing date to withdraw the application from further processing and receive a refund of all fees paid minus \$200. The applicant may put the application on hold for up to 180 days and may request additional time if necessary.

3. Public Notice

Within 7 days of the mailing of the initial review, the Department gives public notice of the application in the weekly notice published by the Department at www.oregon.gov/owrd. The public comment period is 30 days from publication in the weekly notice.

4. Proposed Final Order Issued

The Department reviews any comments received, including comments from other state agencies related to the protection of sensitive, threatened or endangered fish species. Within 60 days of completion of the IR, the Department issues a Proposed Final Order (PFO) explaining the proposed decision to deny or approve the application. A PFO proposing approval of an application will include a draft permit, and may request additional information or outstanding fees required prior to permit issuance.

5. Public Notice

Within 7 days of issuing the PFO, the Department gives public notice in the weekly notice. Notice includes information about the application and the PFO. Protest must be received by the Department within 45 days after publication of the PFO in the weekly notice. Anyone may file a protest. The protest filing fee is \$300.00 for the applicant and \$600.00 for non-applicants. Protests are filed on approximately 10% of Proposed Final Orders. If a protest is filed, the Department will attempt to settle the protest but will schedule a contested case hearing if necessary.

6. Final Order Issued

If no protests are filed, the Department issues a Final Order consistent with the PFO. If the application is approved, a permit is issued that specifies the details of the authorized use and any terms, limitations or conditions that the Department deems appropriate.

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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

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: \$1650
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 _____

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SALEM, OREGON

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

SECTION 1: APPLICANT INFORMATION AND SIGNATURE

Applicant Information

NAME WALT HELLMAN		PHONE (HM) 503-648-6361	
PHONE (WK)	CELL		FAX
ADDRESS PO BOX 33			
CITY HILLSBORO	STATE OR	ZIP 97123	E-MAIL*

Organization Information

NAME EDWARDS MEADOWS HOA		PHONE		FAX
ADDRESS PO BOX 33			CELL	
CITY HILLSBORO	STATE OR	ZIP 97123	E-MAIL*	

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

AGENT / BUSINESS NAME ERIC URSTADT/STUNTZNER ENGINEERING & FORESTRY		PHONE 503-357-5717		FAX 503-357-5698
ADDRESS 2137 19 TH AVE.			CELL 503-312-3931	
CITY FOREST GROVE	STATE OR	ZIP 97116	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 final order documents will also be mailed.)

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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.

Walt Helman
Applicant Signature

Walt Helman, President
Print Name and title if applicable

7/2/12
Date

Applicant Signature

Print Name and title if applicable

Date

For Department Use		
App. No. <u>G-17568</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.

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.

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

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
POA 1	Rock Creek	2100 Feet	Well will be abou 35' higher than creek.

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*).

An existing well (no longer used) is located near the proposed well location. The well log is WASH 9629. Reportedly, the well has collapsed due to sand. The well driller expects the new well to be similar in size and depth as that well, but be constructed to handle the sand issue. Currently, a 160 ft well with 8" PVC casing using bentonite to seal and having a sand filter pack is planned via Janssen Well Drilling.

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SALEM, OREGON

WR

Gr-17568

SECTION 3: WELL DEVELOPMENT, CONTINUED

Source (aquifer), if known: Rock Creek

Total maximum rate requested: 200 GPM (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below).

Complete the table below. If this is an existing well, the following 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.

6-17569

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)
POA 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	---	<input type="checkbox"/>	unknown	unknown	unknown	unknown	---	Rock Creek	160	200	15
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									

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* 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.

ADDED TO FILE 7/10/2012 - JS

NOTICE TO WATER WELL CONTRACTOR
The original and first copy
of this report are to be
filed with the
STATE ENGINEER, SALEM, OREGON STATE
within 30 days from the date
of well completion.

WASH WATER WELLS RECEIVED
STATE OF OREGON JUN 1976
(Please type or print)
009629
CALUM OREGON
RESOURCES DEPT Permit No. 15/2W-5

(1) OWNER:
Name Edwards Meadows Homeowners Association
Address F. O. Box 88
Hillsboro, Oregon 97128

(2) TYPE OF WORK (check):
New Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL: (4) PROPOSED USE (check):
Rotary Driven Domestic Industrial Municipal
Cable Jetted Irrigation Test Well Other
Cable Bored

(5) CASING INSTALLED:
16" Diam. from plus 0 ft. to 41 ft. Gage A250
8-5/8" Diam. from plus 12 ft. to 120 1/2 ft. Gage A250
" Diam. from _____ ft. to _____ ft. Gage _____

(6) PERFORATIONS:
Type of perforator used Torch Perforated? Yes No.
Size of perforations 1/8 in. by 12 in.
860 perforations from 40 ft. to 120 ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.

(7) SCREENS:
Well screen installed? Yes No
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom?
100 gal./min. with 102 1/2 ft. drawdown after 2 hrs.
90 " " 72 1/2 " " " 2 " "
75 " " 57 1/2 " " " 2 " "
Bailer test gal./min. with _____ ft. drawdown after _____ hrs.
Pump flow _____ g.p.m.
Temperature of water _____ Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:
Well seal—Material used Cement grout & 2% gal
Well sealed from land surface to 40 ft.
Diameter of well bore to bottom of seal 20 in.
Diameter of well bore below seal 16 in.
Number of sacks of cement used in well seal 20 sacks
Number of sacks of bentonite used in well seal _____ sacks
Brand name of bentonite _____
Number of pounds of bentonite per 100 gallons of water _____ lbs./100 gal.
Was a drive shoe used? Yes No Flange _____ Size: location _____ ft.
Did any strata contain unconsolidated water? Yes No
Type of water? _____ depth of strata _____
Method of sealing strata off _____
Was well gravel packed? Yes No Size of gravel: 3/8 minus
Gravel placed from 98 ft. to 120 ft.

(10) LOCATION OF WELL:
County Washington Driller's well number _____
N 1/4 Section 8 T.1.S. R. 2 N. W.M.
Bearing and distance from section or subdivision corner _____

(11) WATER LEVEL: Completed well.
Depth at which water was first found 40 ft.
Static level 7 1/2 ft. below land surface. Date 5/26/76
Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG: Diameter of well below casing _____
Depth drilled 206 ft. Depth of completed well 120 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Blue-black clay	0	5	
Blue-black clay w/wood, coc., silty sand streak	5	20	
Blue gray clay-coc. silty blue gray sand streak	20	64	
Black sand	64	66	
Silty blue-gray clay-coc. silty black sand streak	66	75	
Blue clay w/streaks of sand and small pebbles	75	88	
Blue-gray clay-coc. silty sand streak	88	95	
Hard silty blue clay-coc. sand seams	95	107	
Coarse coarse black sand w/gray clay	107	115	
Silty blue clay w/muddy fine sand	115	180	
Silty brown clay	180	140	

Work started 5/13/76 19 Completed 5/28/76 19
Date well drilling machine moved off of well 5/26/76 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
(Signed) A. M. JANNSEN Date 5/27/76, 19____
(Drilling Machine Operator)
Drilling Machine Operator's License No. 528

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name A. M. JANNSEN DRILLING CO.
(Person, firm or corporation) (True or print)
Address 2107 S.W. Tualatin Valley Hwy. Aloha, Or.
(Signed) A. M. Jannsen
(Water Well Contractor)
Contractor's License No. 78 Date 5/27/76, 19____

(USE ADDITIONAL SHEETS IF NECESSARY)

G-17568

SECTION 4: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
Irrigation	irrigation season	15 AF

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: 17 Acres *updated by WRD per discussion w/ Agent 7/10/2012 JK* Supplemental: 0 Acres

List the Permit or Certificate number of the underlying primary water right(s): None known by landowner

Indicate the maximum total number of acre-feet you expect to use in an irrigation season: 15 AF

- 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: _____

SECTION 5: WATER MANAGEMENT

A. Diversion and Conveyance

What equipment will you use to pump water from your well(s)?

Pump (give horsepower and type): 20 HP - Turbine

Other means (describe): _____

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water. _____

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SALEM, OREGON

B. Application Method

What equipment and method of application will be used? (e.g., drip, wheel line, high-pressure sprinkler)
Normal landscape sprinklers

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.

The landscaper estimates 1" per week of water is needed from June to September. Waterings are automated to prevent waste and allow watering at night to avoid daytime evaporation.

SECTION 6: STORAGE OF GROUND WATER IN A RESERVOIR

If you would like to store ground water in a reservoir, complete this section (*if more than one reservoir, reproduce this section for each reservoir*).

Reservoir name: N/A Acreage inundated by reservoir: _____

Use(s): _____

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

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): N/A

USE OF STORED GROUND WATER	PERIOD OF USE

SECTION 8: PROJECT SCHEDULE

Date construction will begin: January 2016

Date construction will be completed: December 2017

Date beneficial water use will begin: June 2018

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 None known	Address	
City	State	Zip

SECTION 10: REMARKS

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

See Attachment "A" for general remarks.
See Attachment "B" for application map.
See Attachment "C" for legal descriptions.
See Attachment "D" for fee computation.

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WATER RESOURCES DEPT
SALEM, OREGON

WR

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 FOR THE FOLLOWING REASON(S):

- 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 _____

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**WATER RESOURCES DEPT
SALEM, OREGON**

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 _____

Remarks:

Edwards Meadows groundwater application

The areas have been irrigated in the past by a now collapsed well and now with City water. The Edwards Meadows Home Owners Association (HOA) wishes to drill a well and use groundwater to conserve City water resources and hopefully save watering costs.

The HOA is requesting 200 gallons per minute (GPM) from a new well to irrigate greenway areas within the subdivision. The irrigated areas total to 17.0 acres.

The HOA knows that the standard maximum rate to be applied for irrigation is 1/80 cubic feet per second (CFS) per acre. For the 17.0 acres, this comes to 0.21 CFS or 95 GPM. The HOA has landscaping records and calculations that show their actual need is 200 GPM at limited hours of the evening in order to apply the water at night, save evaporation loss, and allow daytime public enjoyment.

Without the evening irrigation scheme it is not practical for the HOA to provide beneficial use. Without the rate requested for the short periods per day, it is not likely that the saving of getting off city water will offset the costs of developing the well, and the project is economically questionable.

To mitigate for this unusually high irrigation rate, the HOA wants the Water Resource Department (WRD) to consider that the HOA has also computed that it will annually use only 15 acre-feet (AF) per acre on the 17.0 acres or 0.9 AF per acre. This compares to the standard maximum volume allowed for irrigation of 2.5 AF per acre. So, even though the HOA is asking for a higher than standard rate for short periods of time during the evenings, it is actually using about 1/3 of the standard maximum volume allowed. For these reasons the HOA feels its application meets the intent of the standard maximum rate and duty for irrigation by using a higher rate for short periods of a day and a zero rate for much of the day, and also using much less volume of water than is allowed.

The irrigation has always been accomplished and will always be accomplished at night to reduce evaporation and allow more beneficial use of the irrigated areas by the owners of subdivision. This also prevents a daytime user from breaking irrigation heads, which has happened even in the short times when the system was tested in the daytime.

If it helps to allow the Water Resources Department (WRD) to approve this application, the HOA would appreciate an opportunity to adjust the application. In this case, the HOA hopes that WRD will offer suggested adjustments and their reasoning and basis for the adjustments.

Y:\2012\3122025 Edwards Meadows\Submittals\Remarks GW applicationB.doc

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Legal description for tracts to be irrigated via groundwater application in Spring of 2012 by Edwards Meadows Home Owners Association (source: Edwards Meadows and Edwards Meadows No. 2 Subdivision plats.)

1. TAX LOT 1400 (OF TAX MAP 1S208) – LOT D, BLOCK 1 OF EDWARDS MEADOWS SUBDIVISION, WASHINGTON COUNTY, OR.
2. TAX LOT 17800 (OF TAX MAP 1S208BD) – LOT D, BLOCK 3 OF EDWARDS MEADOWS NO. 2 SUBDIVISION, WASHINGTON COUNTY, OR.
3. TAX LOT 17500 (OF TAX MAP 1S208BD) – LOT A, BLOCK 1 OF EDWARDS MEADOWS NO. 2 SUBDIVISION, WASHINGTON COUNTY, OR.

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SALEM, OREGON

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× Search Action Button

Water Resources Department

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

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Today's Date: Thursday, May 17, 2012

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Surface Water

Water Law

Water Management

Water Rights

Base Application Fee for use of Ground, Surface and optionally Stored Water.		\$1,000.00
Number of proposed cubic feet per second (cfs) to be appropriated. (1 cfs = 448.83 gallons per minute)	.45	\$250.00
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. ***		\$400.00
* 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		\$1,650.00

[Return to Fee Calculator Options page](#)

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ATT 40

OWRD Fee Schedule

Fee Calculator Version B20090701

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Pump Capacity Calculation Sheet

using Department designed formula:

$$(hp)(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 20
 Efficiency = 7.04
 Lift = 160
 PSI = 60

Results Calculated

(hp)(efficiency) = 140.8
 Head based on psi = 152.4
 Total dynamic head = 312.4
 (head + lift)

Pump Capacity = 0.45 feet per second

202.35 GPM

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G-17569

Land Use

Information Form



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

NOTE TO APPLICANTS

In order for your application to be processed by the Water Resources Department (WRD), this Land Use Information Form must be completed by a local government planning official in the jurisdiction(s) where your water right will be used and developed. The planning official may choose to complete the form while you wait, or return the receipt stub to you. Applications received by WRD without the Land Use Form or the receipt stub will be returned to you. Please be aware that your application will not be approved without land use approval.

This form is NOT required if:

- 1) Water is to be diverted, conveyed, and/or used only on federal lands; **OR**
- 2) The application is for a water right transfer, allocation of conserved water, exchange, permit amendment, or ground water registration modification, and **all** of the following apply:
 - a) The existing and proposed water use is located entirely within lands zoned for exclusive farm-use or within an irrigation district;
 - b) The application involves a change in place of use only;
 - c) The change does not involve the placement or modification of structures, including but not limited to water diversion, impoundment, distribution facilities, water wells and well houses; **and**
 - d) The application involves irrigation water uses only.

NOTE TO LOCAL GOVERNMENTS

The person presenting the attached Land Use Information Form is applying for or modifying a water right. The Water Resources Department (WRD) requires its applicants to obtain land-use information to be sure the water rights do not result in land uses that are incompatible with your comprehensive plan. Please complete the form or detach the receipt stub and return it to the applicant for inclusion in their water right application. You will receive notice once the applicant formally submits his or her request to the WRD. The notice will give more information about WRD's water rights process and provide additional comment opportunities. You will have 30 days from the date of the notice to complete the land-use form and return it to the WRD. If no land-use information is received from you within that 30-day period, the WRD may presume the land use associated with the proposed water right is compatible with your comprehensive plan. Your attention to this request for information is greatly appreciated by the Water Resources Department. If you have any questions concerning this form, please contact the WRD's Customer Service Group at 503-986-0801.

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WATER RESOURCES DEPT
SALEM, OREGON

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: Edwards Meadows HOA c/o Walt Hellman
First Last

Mailing Address: PO Box 33

Hillsboro City OR State 97123 Zip Daytime Phone: 503-648-6361

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:
1S	2W	8	SWNE NWSE	1400	Unknown	<input checked="" type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	Irrig.
1S	2W	8BD	SE NW	17,800	Unknown	<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	Irrig.
1S	2W	8BD	SE NW SW NE	17,500	Unknown	<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	Irrig.
Plus mainlines within Edwards Meadows Subdivisions						<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input type="checkbox"/> Used	

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

City of Hillsboro

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: 200 cubic feet per second gallons per minute acre-feet

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

Briefly describe:

The water shall irrigate 3 open areas in Edwards Meadows and Edwards Meadows #2 Subdivisions.

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt at the bottom of the next page and include it with the application filed with the Water Resources Department.

See bottom of Page 3. →

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G-17560

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:	
SUBDIVISION	HILLSBORO ZONING ORD. SECTION 131A	<input checked="" type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued

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

Name: _____ Title: GENNY BOND, URBAN PLANNER III
 Signature: *G. Bond* Phone: _____ Date: 6-6-12
 Government Entity: CITY OF HILLSBORO 503-681-6246

Note to local government representative: Please complete this form or sign the receipt below and return it to the applicant. If you sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.



Receipt for Request for Land Use Information

Applicant name: _____
 City or County: _____ Staff contact: _____
 Signature: _____ Phone: _____ Date: _____

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 SALEM, OREGON
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