

# Application for a Permit to Use Groundwater



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

## SECTION 1: APPLICANT INFORMATION AND SIGNATURE

RECEIVED

JUL 27 2020

### Applicant

NAME BEAVER WATER DISTRICT		PHONE (HM)	
PHONE (WK) 503-354-4336	CELL OWRD	FAX	
ADDRESS PO BOX 306			
CITY BEAVER	STATE OR	ZIP 97112	E-MAIL* BEAVERWATERDIST@HOTMAIL.COM

### Organization

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

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

AGENT / BUSINESS NAME HBH CONSULTING ENGINEERS		PHONE 503-554-9553	FAX 503-537-9554
ADDRESS 501 E. FIRST STREET			CELL
CITY NEWBERG	STATE OR	ZIP 97132	E-MAIL* RMORRIS@HBH-CONSULTING.COM

Note: Attach multiple copies as needed

\* By providing an e-mail address, consent is given to receive all correspondence from the Department electronically. (Paper copies of the proposed and final order documents will also be mailed.)

### By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application.
- I cannot use water legally until the Water Resources Department issues a permit.
- Oregon law requires that a permit be issued before beginning construction of any proposed well, unless the use is exempt. Acceptance of this application does not guarantee a permit will be issued.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be cancelled.
- The water use must be compatible with local comprehensive land-use plans.
- Even if the Department issues a permit, I may have to stop using water to allow senior water-right holders to get water to which they are entitled.



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

Raymond L Cloud  
Applicant Signature

Raymond L Cloud Chair  
Print Name and Title if applicable

6-18-2020  
Date

Applicant Signature

Print Name and Title if applicable

Date

For Department Use: App. Number: \_\_\_\_\_

**SECTION 2: PROPERTY OWNERSHIP**

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

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

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

Applicant is a municipality, providing water to all customers within the service area.

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

See attached map for service area.

**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
TILL 822	NESTUCCA RIVER	740 FT	37 FT
	RECEIVED		
	JUL 27 2020		
	OWRD		

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).*

(See Attachment 4 - BEAVER WELL CERTIFICATION Improvement Plans showing recent modifications to the well)

**SECTION 3: WELL DEVELOPMENT, continued**

Total maximum rate requested: 55 gpm (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below).

The table below must be completed for each source to be evaluated or the application will be returned. If this is an existing well, the information may be found on the applicable well log. (If a well log is available, please submit it in addition to completing the table.) If this is a proposed well, or well-modification, consider consulting with a licensed well driller, geologist, or certified water right examiner to obtain the necessary information.

OWNER'S WELL NAME OR NO.	PROPOSED	EXISTING	WELL ID (WELL TAG) NO.* OR WELL LOG ID**	FLOWING ARTESIAN	CASING DIAMETER	CASING INTERVALS (IN FEET)	PERFORATED OR SCREENED INTERVALS (IN FEET)	SEAL INTERVALS (IN FEET)	MOST RECENT STATIC WATER LEVEL & DATE (IN FEET)	PROPOSED USE			
										SOURCE AQUIFER***	TOTAL WELL DEPTH	WELL-SPECIFIC RATE (GPM)	ANNUAL VOLUME (ACRE-FEET)
3A	<input type="checkbox"/>	<input checked="" type="checkbox"/>	TILL 822	<input type="checkbox"/>	8"	0 to -46	-28 to -46	0 to -25	-21 (10-31-78)	fractured sandstone	47'	55	
	<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"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									

OWRPD  
 JUL 27 2020  
 RECEIVED

\* 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.

**SECTION 4: SENSITIVE, THREATENED OR ENDANGERED FISH SPECIES PUBLIC INTEREST INFORMATION**

This information must be provided for your application to be accepted as complete. The Water Resources Department will determine whether the proposed use will impair or be detrimental to the public interest with regard to sensitive, threatened or endangered fish species if your proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters.

To answer the following questions, use the map provided in Attachment 3 or the link below to determine whether the proposed point of appropriation (POA) is located in an area where the Upper Columbia, the Lower Columbia, and/or the Statewide public interest rules apply.

For more detailed information, click on the following link and enter the TRSQQ or the Lat/Long of a POA and click on "Submit" to retrieve a report that will show which section, if any, of the rules apply:  
[https://apps.wrd.state.or.us/apps/misc/lkp\\_trsqq\\_features/](https://apps.wrd.state.or.us/apps/misc/lkp_trsqq_features/)

If you need help to determine in which area the proposed POA is located, please call the customer service desk at (503) 986-0801.

**Upper Columbia - OAR 690-033-0115 thru -0130**

Is the well or proposed well located in an area where the Upper Columbia Rules apply?

Yes  No

If yes, you are notified that the Water Resources Department will consult with numerous federal, state, local and tribal governmental entities so it may determine whether the proposed use is consistent with the "Columbia River Basin Fish and Wildlife Program" adopted by the Northwest Power Planning Council in 1994 for the protection and recovery of listed fish species. The application may be denied, heavily conditioned, or if appropriate, mitigation for impacts may be needed to obtain approval for the proposed use.

If yes, and if the Department determines that proposed groundwater use has the potential for substantial interference with nearby surface waters:

- I understand that the permit, if issued, will not allow use during the time period April 15 to September 30, except as provided in OAR 690-033-0140.
- I understand that the Department of Environmental Quality will review my application to determine if the proposed use complies with existing state and federal water quality standards.
- I understand that I will install and maintain water use measurement and recording devices as required by the Water Resources Department, and comply with recording and reporting permit condition requirements.

RECEIVED

JUL 27 2020

OWRD

**Lower Columbia - OAR 690-033-0220 thru -0230**

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

Yes  No

If yes, and the proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters you are notified that the Water Resources Department will determine, by reviewing recovery plans, the Columbia River Basin Fish and Wildlife Program, and regional restoration programs applicable to threatened or endangered fish species, in coordination with state and federal agencies, as

appropriate, whether the proposed use is detrimental to the protection or recovery of a threatened or endangered fish species and whether the use can be conditioned or mitigated to avoid the detriment.

If a permit is issued, it will likely contain conditions to ensure the water use complies with existing state and federal water quality standards; and water use measurement, recording and reporting required by the Water Resources Department. The application may be denied, or if appropriate, mitigation for impacts may be needed to obtain approval of the proposed use.

If yes, you will be required to provide the following information, if applicable.

Yes  No The proposed use is for more than one cubic foot per second (448.8 gpm) and is not subject to the requirements of OAR 690, Division 86 (Water Management and Conservation Plans).

If yes, provide a description of the measures to be taken to assure reasonably efficient water use:

\_\_\_\_\_

RECEIVED

JUL 27 2020

OWRD

**Statewide - OAR 690-033-0330 thru -0340**

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

Yes  No

If yes, and the proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters you are notified that the Water Resources Department will determine whether the proposed use will occur in an area where endangered, threatened or sensitive fish species are located. If so, the Water Resources Department, Department of Fish and Wildlife, Department of Environmental Quality, and the Department of Agriculture will recommend conditions required to achieve "no loss of essential habitat of threatened and endangered (T&E) fish species," or "no net loss of essential habitat of sensitive (S) fish species." If conditions cannot be identified that meet the standards of no loss of essential T E fish habitat or no net loss of essential S fish habitat, the agencies will recommend denial of the application unless they conclude that the proposed use would not harm the species.

**SECTION 5: WATER USE**

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
Municipal	Year-round, as needed when river turbidity is high	Supplemental volume will vary annually based on need

**For irrigation use only:**

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

Primary: \_\_\_\_\_ Acres                      Supplemental: \_\_\_\_\_ Acres

If you listed supplemental acres, list the Permit or Certificate number of the underlying primary water right(s):

\_\_\_\_\_

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

- If the use is municipal or quasi-municipal, attach Form M
- If the use is domestic, indicate the number of households: \_\_\_\_\_ (Exempt Uses: Please note that 15,000 gallons per day for single or group domestic purposes and 5,000 gallons per day for a single industrial or commercial purpose are exempt from permitting requirements.)

- If the use is **mining**, describe what is being mined and the method(s) of extraction (*attach additional sheets if necessary*): \_\_\_\_\_

## SECTION 6: WATER MANAGEMENT

### A. Diversion and Conveyance

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

- Pump (give horsepower and type): 10 hp submersible  
 Other means (describe): \_\_\_\_\_

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water. See Attachment 4 - BEAVER WELL CERTIFICATION Improvement Plans

### B. Application Method

What equipment and method of application will be used? (e.g., drip, wheel line, high-pressure sprinkler) (*attach additional sheets if necessary*)  
n/a

### C. Conservation

Please describe why the amount of water requested is needed and measures you propose to: prevent waste; measure the amount of water diverted; prevent damage to aquatic life and riparian habitat; prevent the discharge of contaminated water to a surface stream; prevent adverse impact to public uses of affected surface waters (*attach additional sheets if necessary*).  
See Attachment 5 - Water Management/Conservation

RECEIVED

## SECTION 7: PROJECT SCHEDULE

- a) Date construction will begin: June 2020  
 b) Date construction will be completed: September 2020  
 c) Date beneficial water use will begin: September 2020

JUL 27 2020

OWRD

## SECTION 8: RESOURCE PROTECTION

In granting permission to use water the state encourages, and in some instances requires, careful control of activities that may affect adjacent waterway or streamside area. See instruction guide for a list of possible permit requirements from other agencies. Please indicate any of the practices you plan to undertake to protect water resources.

- Water quality will be protected by preventing erosion and run-off of waste or chemical products.  
 Describe: All treatment processes and the chemicals associated with treatment are contained within the well house building in appropriate containers and isolated from the source.
- Excavation or clearing of banks will be kept to a minimum to protect riparian or streamside areas.  
 Note: If disturbed area is greater than one acre, applicant should contact the Oregon Department of Environmental Quality to determine if a 1200C permit is required.  
 Describe planned actions and additional permits required for project implementation: No excavation or clearing necessary.
- Other state and federal permits or contracts required and to be obtained, if a water right permit is granted:  
 List: n/a

**SECTION 9: WITHIN A DISTRICT**

Check here if the point of appropriation (POA) or place of use (POU) are located within or served by an irrigation or other water district. All within Beaver Water District

Irrigation District Name (See Applicant information - Page 1)	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 5 for description of existing system deficiencies and why the requested water is needed.

RECEIVED

JUL 27 2020

OWRD

# Oregon Water Resources Department

## FORM M

### FOR MUNICIPAL AND QUASI-MUNICIPAL WATER SUPPLIES

*[Information needed to make findings related to ORS 537.153(3)(c)]*

- Please supply the required information in the spaces provided below.
- Do not attach reference documents. If there is a need, the Department will request them.
- Your signature is certification that identified information is contained in the reference document(s).
- If adequate space is not available on this form to describe and justify your request for additional water, attach additional pages as necessary.

### Water Supplier Information

Please provide the following information related to the water supplier requesting additional water. It should be noted that the name of a water supplier is often different than the service area (*e.g., City of ABC and XYZ Urban Growth Boundary*).

Cities are not the only municipal corporation; many kinds of special districts are also allowed to purvey water. Applications requesting to use water for Quasi-Municipal use may be submitted by entities including, but not limited to, the following types of governance: a water association; private water company; or (*if under the articles of incorporation*) a broader corporation such as a destination resort. Please attach a copy of the article of incorporation related to your distribution of water.

Name of Water Supplier/Entity	Name of Service Area	Governance	Contact Person
Beaver Water District	Beaver Water District	public water district	Ray Cloud
<b>List any water suppliers within the same service area and/or any self-supplied industrial user.</b> (Attach an extra sheet, if necessary.)			

### Request for Additional Water

Briefly explain the reason(s) for your request for additional water (*e.g. loss of current supply, backup, emergency supply, peak demand, growth, or other*). Much of the information needed may be contained in your Water Management and Conservation Plan, Water System Master Plan, or Capital Improvement Plan (*as applicable*).

Reason(s) for the Request for Additional Water	Time Table for Development of the Additional Water	Justification for Water Source & Amount Requested
backup source/emergency supply	July 2040 (20 years)	Water System Feasibility Study

RECEIVED  
 JUL 27 2020  
 OWRD



## Water Management and Conservation

- Do you have an approved Water Management and Conservation Plan?  Yes  No
- List the "In-Effect" date of your most recently approved Water Management and Conservation Plan: \_\_\_\_\_
- Is your system fully metered?  Yes  No
- Do you perform annual water audits?  Yes  No
- Annual amount of water produced (MG): 13.3  
(diverted or appropriated)
- Annual amount of water billed for (MG): 10.4  
(metered consumption)
- Identify your system's current annual water loss: 22 %  
(difference between the amount of water produced and the water billed for)
- Describe your rate structure and billing schedule: commodity rate (uniform)  
[e.g., commodity rate (uniform rate, declining or inverted block rate); fixed charge with a commodity rate; or a fixed charge and commodity rate using a seasonal differential.]

## Population

A supplier's population includes both permanent residential and transient populations. Residential population should be from census data or, if estimated, the method of estimation must be documented. Adopted comprehensive land use plans, water system master plans, or water management and conservation plans are examples of acceptable documentation. Transient populations are routine users of water by employers (such as manufacturing or call center type facilities) that increase the demand within a supplier's service area. Resort areas, regional airports, sea ports, areas with seasonally variable populations, and colleges/universities are also subject to this transient population test. Special events which are rare occasions (such as parades, rodeos, festivals, etc.) are not reasons to apply the transient population test.

Below, please indicate the current population to which you serve water, and cite the source of that information. Please also provide the historic population growth rate over the past 10 years and the projected population you anticipate serving in 20 years.

<b>Present Population being Served:</b>	<b>Source of Information</b>
326	US Census Bureau, EDU's, service connections
<b>Historic population growth rate over the past 10 years:</b>	<b>Source of Information</b>
0.0%	US Census Bureau, EDU's, service connections
<b>Projected Population to be Served in 20 Years:</b>	<b>Source of Estimate/Method Used</b>
375	based on buildable land within the District

RECEIVED

JUL 27 2020

OWRD

## Size of Service Area

The area/size standard includes, but is not limited to, the following: existing boundaries, city limits, urban growth boundaries, urban reserves and zoning maps. Quasi-Municipal applicants must supply a map of the intended service area with an overlay of zoning.

Present Size of Service Area (in Acres)	List Current Zones by Percent of Total (Include any special zoning, such as a shovel-ready industrial zone of more than 50 contiguous acres)	Source of Information
331	CSFR - 83%; CC - 11%; CI - 6%	2014 Water System Master Plan
Projected Size in 20 Years (in Acres)	Anticipated Zoning by Percent	Source of Estimate
331	CSFR - 83%; CC - 11%; CI - 6%	2014 Water System Master Plan

## Current Water Supply

In the table below, please describe all of the sources of your current water supply inventory (*both active and inactive*). Identify those sources and associated water rights that are currently in use. Additionally, please identify any water sources/water rights that are not currently used, or used only on a seasonal or emergency basis, and describe the reason(s) why. If any portion of your water supply is being purchased, identify the supplying entity and, if possible, indicate the water source.

Water Source (Include any wholesale purchases of water)	Water Right Numbers (Permit and/or Certificate)	Priority Date	Amount of Water Allowed	Actively Used? (Yes or No) If "No," explain.
Beaver Creek	Permit S46049, Cert 82602	10/13/1981	0.33 cfs	Yes

Is this application for a new water use permit intended to be used as a primary or backup source? Explain how this right will be used to meet current demand and/or how it will be used to increase reliability and resiliency?

Seasonal turbidity in the Beaver Creek source (surface water) has limited production and necessitated shutdowns of the water treatment plant in past winters. The proposed groundwater source would provide additional supply and/or a backup source when WTP production is limited by creek turbidity.

Those suppliers that have prepared a WMCP may also wish to attach a copy of their water rights inventory table (*typically included in the Water Supplier Description element of a WMCP*).

RECEIVED

JUL 27 2020

OWRD

## Current Water Use

Describe the nature of your current demands for water, as well as the water sources used to meet those needs.

### Current Demands for Water (Year: 2019)

Water Source (Including wholesale water purchases)	Water Right Numbers (Permit and/or Certificate)	Peak or Maximum Demand		Average Demand	
		Maximum Instantaneous Rate (in cfs or gpm)	Maximum Daily Demand (MG)	Average Daily Demand (MG)	Average Annual Demand (MG)
Beaver Creek	Permit S46049 Cert 82602	83 gpm	0.052 MG	0.036 MG	13.3 MG
<ul style="list-style-type: none"> <li>• Per-capita daily demand (in gallons): <u>112 gal</u> <i>(Divide average annual water sales by population to arrive at consumption, and then divide by 365 to get daily values.)</i></li> <li>• Peak season (by month/day): <u>8/1 to 8/31</u></li> <li>• Peak Season number of hours diverted/pumped (if available): <u>Information not available</u></li> <li>• Peak season per-capita daily consumption (in gallons): <u>149.5 gal</u> <i>(Divide total peak season demand by population and the number of days during the peak.)</i></li> <li>• Peaking Factor (ratio between max day demand and average day demand): <u>1.4</u></li> </ul>					

**RECEIVED**

**JUL 27 2020**

**OWRD**

## Projected Water Use

Describe your anticipated water demands for the next 20 years, and identify the sources of water (*existing and/or new*) that will be used to meet those demands. Please also describe the methodology and/or information source used to make the projected water demand estimates.

### Projected Demands for Water in 20 Years (Year: 2033 )

- Current average per capita demand (in gallons): 127 gpcd, or 46,355 gal per capita annually
- Projected population served in year (2033): 375
- Projected average annual demand (MG): 22.45
- Projected average daily demand (MG): 0.0615
- Current peaking value: 1.95
- Projected maximum daily demand (MG): 0.123

Water Source (Including wholesale water purchases)	Water Right Numbers (Permit and/or Certificate) If a new water source, indicate so.	Projected Peak Daily Demand		Projected Average Daily Demand	
		Maximum Instantaneous Rate (in cfs or gpm)	Maximum Daily Demand (MG)	Average Daily Demand (MG)	Average Annual Demand (MG)
Beaver Creek	Permit S46049 Cert 82602	83 gpm	0.123	0.0615	22.45
Nestucca Bend Well	proposed water source	55 gpm	supplemental to Beaver Creek source	supplemental to Beaver Creek source	supplemental to Beaver Creek source

**Source or Methodology Used for Demand Projections:** The 2014 Water System Master Plan for Beaver Water District was referred to for water use projections. In 2019 the system's per capita daily demand was 112 gallons. This reduction in demand can be attributed to various transmission system improvements to reduce water loss and no population growth since the plan was developed.

Describe any issues, deficiencies or limitations associated with your current water supply inventory contributing to the need to acquire additional water in order to satisfy your current and/or projected 20-year demands:

See Attachment 5 for description of current system issues.

RECEIVED

JUL 27 2020

OWRD

## Annual Water Use by Type

In the table below, list the quantity of water diverted for each type of water use and the percentage of the total diversion associated with that use type:

Type	Current Use (2021)		Use In 20 Years (2042)	
	Quantity Diverted:	Percentage of Total Diversion:	Projected Quantity to be Diverted:	Percentage of Total Diversion:
<b>Residential:</b>	23.31 acre-feet	45%	28.72 acre-feet	45%
<b>Commercial:</b>	6.73 acre-feet	13%	8.30 acre-feet	13%
<b>Institutional:</b>	0.001 acre-feet	0.002%	0.001 acre-feet	0.002%
<b>Agricultural:</b>	n/a	-	n/a	-
<b>Industrial:</b>	n/a	-	n/a	-
<b>Other:</b> (specify use)	n/a	-	n/a	-
<b>Non-revenue water:</b>	21.75 acre-feet	42%	26.80 acre-feet	42%
<b>Total Diverted:</b>	51.79 acre-feet	100%	63.82 acre-feet	100%

Note: Data on current and projected water use by use type was taken from the 2014 Water System Master Plan. The percentage of total diversion for non-revenue water has been reduced as a result of system improvements to prevent water loss implemented since the Master Plan was written. Projected water use quantities were calculated assuming proportional growth in each type of water use per the 2014 Master Plan.

## Minimum Requirements Checklist

Minimum Requirements (OAR 690-310-0040, OAR 690-310-0050 & ORS 537.140)

### 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.

Please submit the original application and signatures to the Water Resources Department. Applicants are encouraged to keep a copy of the completed application.

- SECTION 1: Applicant Information and Signature
- SECTION 2: Property Ownership
- SECTION 3: Well Development
- SECTION 4: Sensitive, Threatened or Endangered Fish Species Public Interest Information
- SECTION 5: Water Use
- SECTION 6: Water Management
- SECTION 7: Project Schedule
- SECTION 8: Resource Protection
- SECTION 9: Within a District
- SECTION 10: Remarks

#### Include the following additional items:

- Land Use Information Form with approval and signature of local planning department (*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.
- Fees - Amount enclosed: \$ \_\_\_\_\_  
See the Department's Fee Schedule at [www.oregon.gov/owrd](http://www.oregon.gov/owrd) or call (503) 986-0900.
- Map that includes the following items:
  - 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 diversion, by reference to a recognized public land survey corner (distances north/south and east/west)
  - Indicate the area of use by Quarter/Quarter and tax lot identified clearly.
  - 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)

Note: In addition to a groundwater application, a standard reservoir application is required to store groundwater in a reservoir. If an applicant proposes to divert water from a reservoir, a surface water application is also required.

RECEIVED

JUL 27 2020

OWRD

# 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: Beaver Water District  
First Last

Mailing Address: PO Box 306 beaverwaterdist@hotmail.com

Cloverdale OR 97112 Daytime Phone: \_\_\_\_\_  
City State Zip

## 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:
35	9W	see attached map				<input checked="" type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	
						<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	
						<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	
						<input type="checkbox"/> Diverted <input 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:

Beaver Water District Service Area, Tillamook County

## 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: 55  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 Beaver Water District recently purchased a well in Nestucca Bend Subdivision and intends to develop it as an alternative and/or supplemental source of municipal supply.

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. →

RECEIVED

JUL 27 2020

OWRD

## 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:	
Conditional Use Request	13.010 (3)(c) Public Utilities facilities	<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.

See Conditional Use Request Approved with conditions. 851-20-000011-PLAN, SEE ATTACHED.

**RECEIVED**  
JUL 27 2020

Name: Trish Bush Title: Land Use Planner **OWRD**

Signature: Trish Bush Phone: (503) 812-3408 Date: 7/24/20

Government Entity: Tillamook County Department of Community Development

**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 plan.

### Receipt for Request for Land Use Information

Applicant name: Raymond Cloud - Beaver Water District

City or County: Tillamook County Staff contact: Trish Bush

Signature: Trish Bush Phone: (503) 812-3408 Date: 7/24/20

**Sign Here**





1510 – B Third Street  
Tillamook, Oregon 97141  
www.tillamook.or.us

Building (503) 842-3407  
Planning (503) 842-3408  
On-Site Sanitation (503) 842-3409  
FAX (503) 842-1819  
Toll Free 1 (800) 488-8280

*Land of Cheese, Trees and Ocean Breeze*

---

**CONDITIONAL USE REQUEST #851-20-000011-PLNG:  
BEAVER WATER DISTRICT  
ADMINISTRATIVE DECISION & STAFF REPORT**

Decision Date: June 22, 2020

RECEIVED

Decision: APPROVED WITH CONDITIONS  
(This is not Building or Placement Permit Approval)

JUL 27 2020

Report Prepared By: Melissa Jenck, CFM, Land Use Planner II

OWRD

---

**I. GENERAL INFORMATION:**

**Request:** A Conditional Use request for establishing a public utility facility for the onsite treatment of an existing well for the Beaver Water District (Exhibit B).

**Location:** The subject property is accessed via Salmon Drive, private road, and is designated as Tax Lot 100 in Section 31BC of Township 3 South, Range 9 West of the Willamette Meridian, Tillamook County, Oregon.

**Zone:** Rural Residential 2 Acre (RR-2)

**Applicant & Property Owner:** Beaver Water District, P.O. Box 306, Cloverdale, OR 97112

**Property and Vicinity Description:** The subject property is located south of the unincorporated community of Beaver, is 2.95 acres, is rectangular in shape and accessed via Salmon Drive, a private road (Exhibit A). The subject property is vacant and sparsely vegetated (Exhibit A). Topography is relatively flat across the entire parcel (Exhibit A).

There are no mapped wetlands or riparian features on the subject property (Exhibit A). The subject property is entirely located in Flood Zone X, areas of minimal flood hazard, as depicted on FEMA FIRM

**CONDITIONS OF APPROVAL**

Sections 6.070: COMPLIANCE WITH CONDITIONS, and 6.080: TIME LIMIT requires compliance with approved plans and conditions of this decision, and all other ordinance provisions. Failure to comply with the Conditions of Approval and ordinance provisions could result in nullification of this approval

1. The applicant/property owner shall obtain all Federal, State, and Local permits, as applicable.
2. The applicant/property owner shall obtain Zoning and Building permit approval for the proposed well house to contain the well as described in 'Exhibit B'.
3. A site plan, drawn to scale, illustrating the proposed development and required setbacks shall be provided at the time of Zoning Permit submittal. The site plan shall include the location of the well house.
4. This approval is for a public utility facility for the Beaver Water District for the expansion of water supply, storage and distribution, as well as the establishment of a 278 sq. ft. well house for the existing well.
5. This approval shall be void on June 22, 2022, unless construction of approved plans has begun, or an extension is requested from, and approved by this Department.

Sincerely,  
Tillamook County Department of Community Development



Sarah Absher, CFM, Director

Enc.: Vicinity, Assessor's and Zoning maps

RECEIVED

JUL 27 2020

OWRD

**SECTION 6: WATER MANAGEMENT**

**C. Conservation**

Beaver Water District is requesting rights to use water from the existing Nestucca Bend Well (TILL 822 – Well #3A(2)) to supplement the District's only other source - a surface water diversion on Beaver Creek - with a reliable groundwater source when creek turbidity is high. High turbidity events in Beaver Creek, typically in the winter months during heavy rainfall, limit the production of the existing Water Treatment Plant, and the District experiences periods of several days during the winter where the Treatment Plant is unable to function due to high turbidity and must be shut down. Flows from the Nestucca Bend Well would be treated at the well house building and distributed to customers through the existing distribution system to provide supply when the Treatment Plant can't produce due to turbidity. This well would also provide an emergency supply completely separate from the Treatment Plant, and can provide additional production capacity for future development of the Nestucca Bend area.

The well is plumbed directly into the existing distribution system to prevent waste. A flow meter at the well house building measures the amount of water diverted from the well prior to filtration and chemical treatment. All chemicals and treatment processes are contained within the well house building in appropriately-rated vessels and storage containers and isolated from the source to prevent any possibility of inadvertent discharge to the surrounding land or groundwater. No adverse impacts to public use of surface waters are expected.

RECEIVED

JUL 27 2020

OWRD

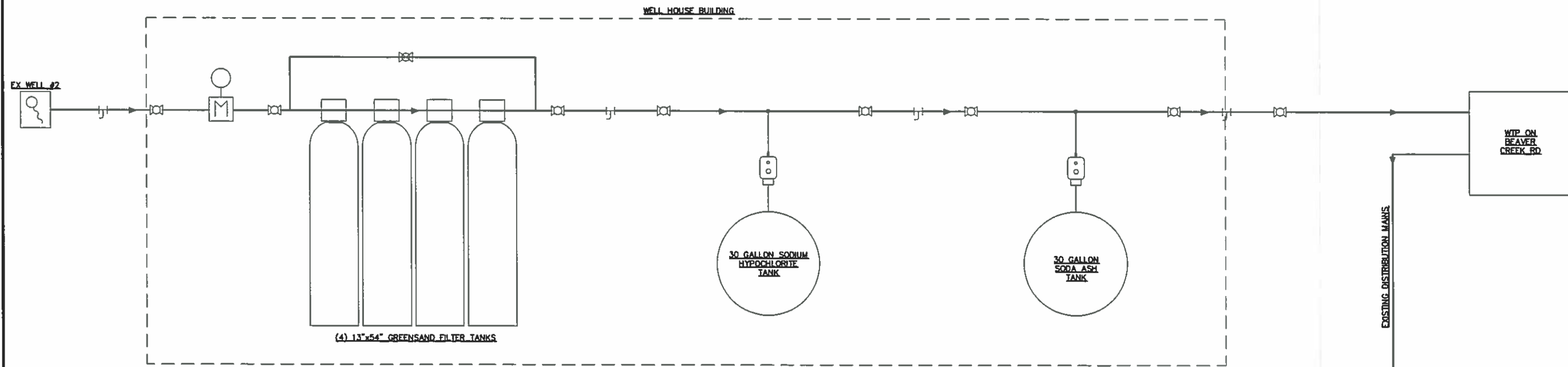


**WATER NOTES**

1. ALL FACILITIES AND EQUIPMENT IN CONTACT WITH POTABLE WATER SHALL BE DISINFECTED ACCORDING TO AWWA STANDARDS C651 THROUGH C654 PRIOR TO BEING PLACED INTO SERVICE.
2. ALL MATERIALS THAT COME INTO CONTACT WITH POTABLE WATER SHALL MEET NSF STANDARD 61.
3. ALL CHEMICALS THAT COME INTO CONTACT WITH POTABLE WATER SHALL MEET NSF STANDARD 60.

**SYMBOL LEGEND**

- BALL VALVE
- BALL VALVE - NORMALLY CLOSED
- SOLENOID VALVE
- FLOW METER
- FLOAT VALVE
- SAMPLE BIB
- DRAIN
- CHEMICAL FEED PUMP



**PROCESS DIAGRAM**

NTS

**H B H**  
 501 E First Street  
 Newberg, Oregon 97132  
 CONSULTING 503/554-9553 fax 503/537-9554  
 ENGINEERS email: mail@hbh-engineers.com

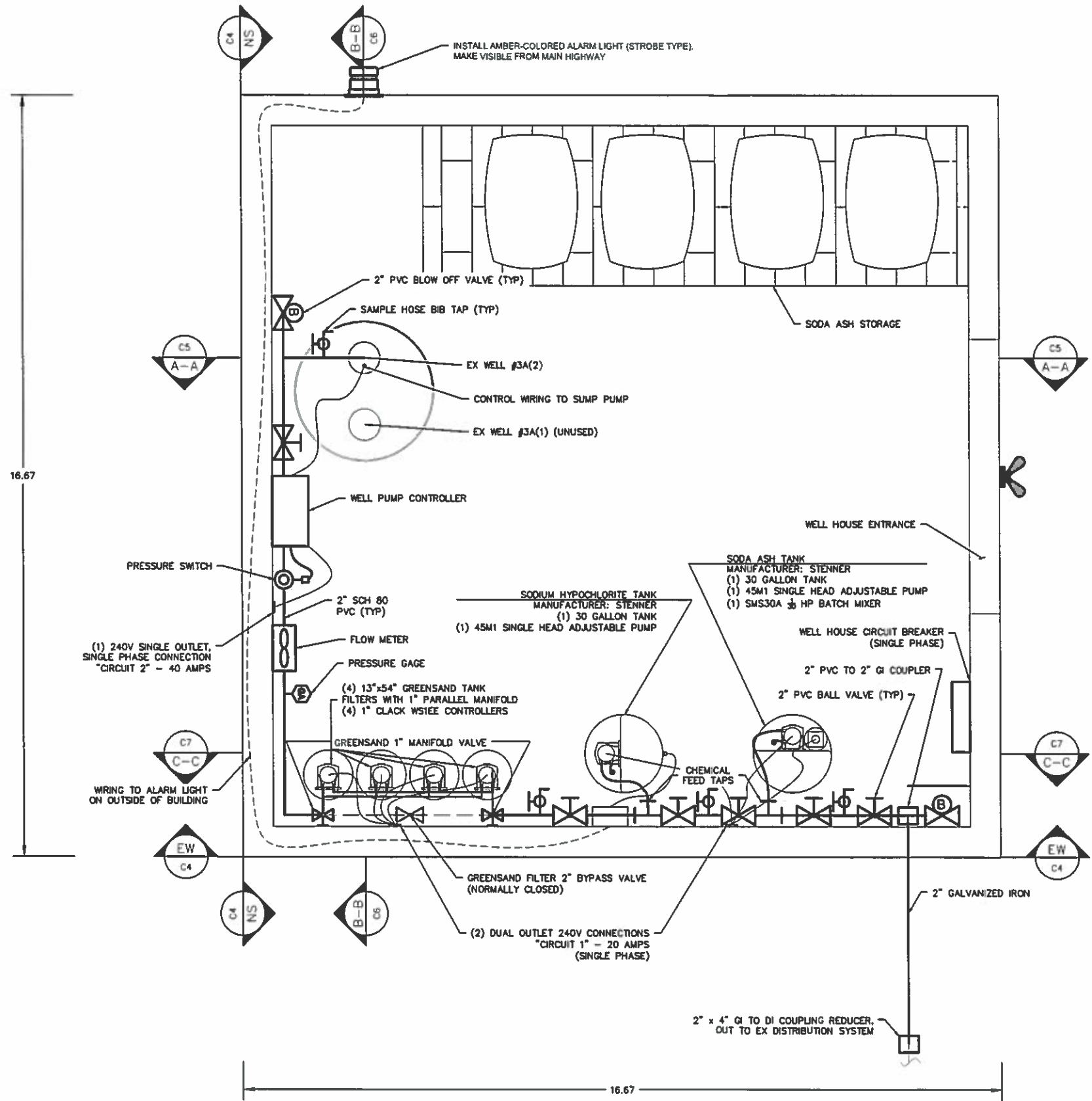
REV.	DATE	DESCRIPTION

IF THIS LINE IS NOT 1/8" INCH SCALE IS NOT AS SHOWN

BEAVER WATER DISTRICT  
 24570 U.S. HIGHWAY 101 S. LONDON, OR 97112  
**BEAVER WELL**  
**BEAVER, OR**  
**PROCESS DIAGRAM**

**RECEIVED**  
**JUL 27 2020**  
**OWRD**

Sheet No. **G2**  
 Date **10/15/2019**  
 2018-016  
 C2 of 8



WELL HOUSE PLAN VIEW

SCALE: 3/4" = 1'

**WATER NOTES**

1. ALL FACILITIES AND EQUIPMENT IN CONTACT WITH POTABLE WATER SHALL BE DISINFECTED ACCORDING TO AWWA STANDARDS C651 THROUGH C654 PRIOR TO BEING PLACED INTO SERVICE.
2. ALL MATERIALS THAT COME INTO CONTACT WITH POTABLE WATER SHALL MEET NSF STANDARD 61.
3. ALL CHEMICALS THAT COME INTO CONTACT WITH POTABLE WATER SHALL MEET NSF STANDARD 60.



H B H  
 CONSULTING ENGINEERS  
 501 E First Street  
 Newberg, Oregon 97132  
 503/554-9553 fax 503/537-9554  
 email: mail@hbh-engineers.com  
 Designed By: ARB | Drawn By: ARB | Checked By: RHH | Submittal No.:  
 File L3016-0184-DesignDWGGeneral.dwg | Layout: 1

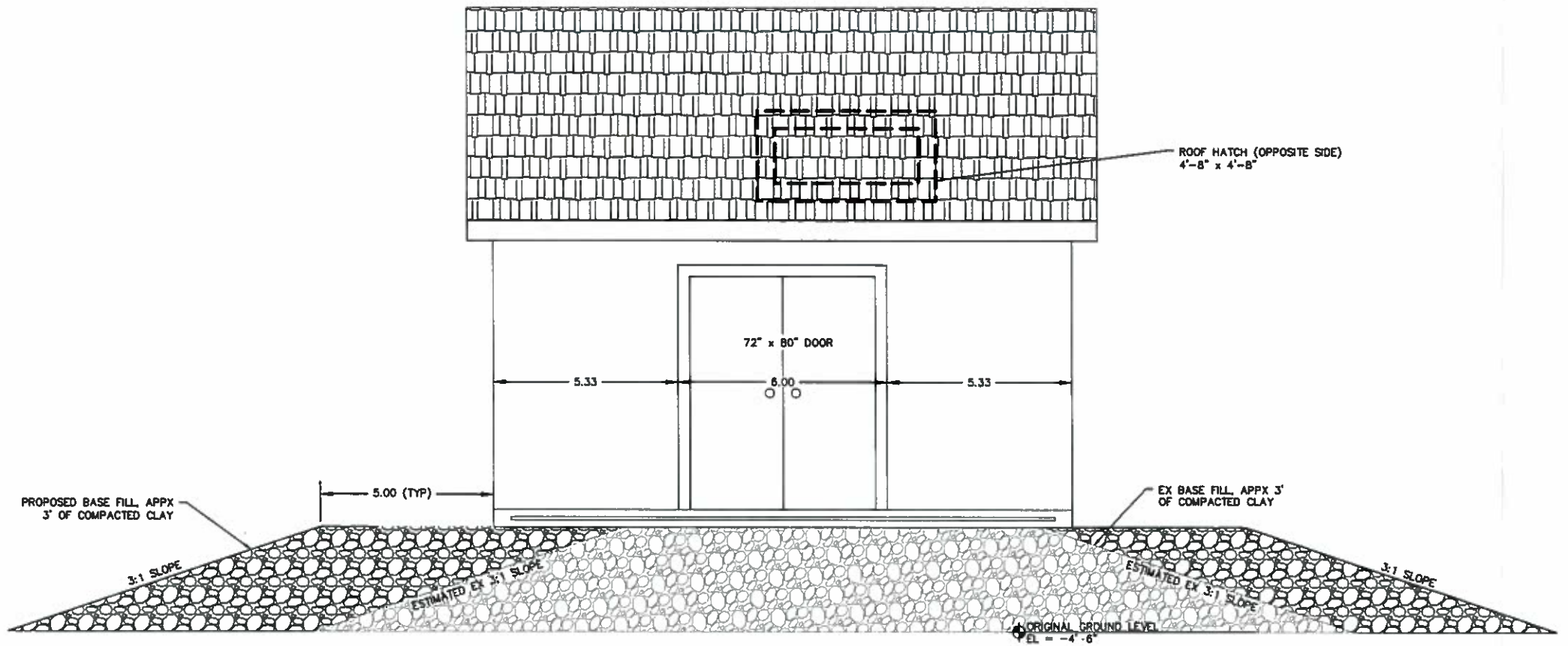
REV.	DATE	DESCRIPTION

1" = 16.67'  
 IF THIS LINE IS NOT 1" INCH  
 SCALE IS NOT AS SHOWN

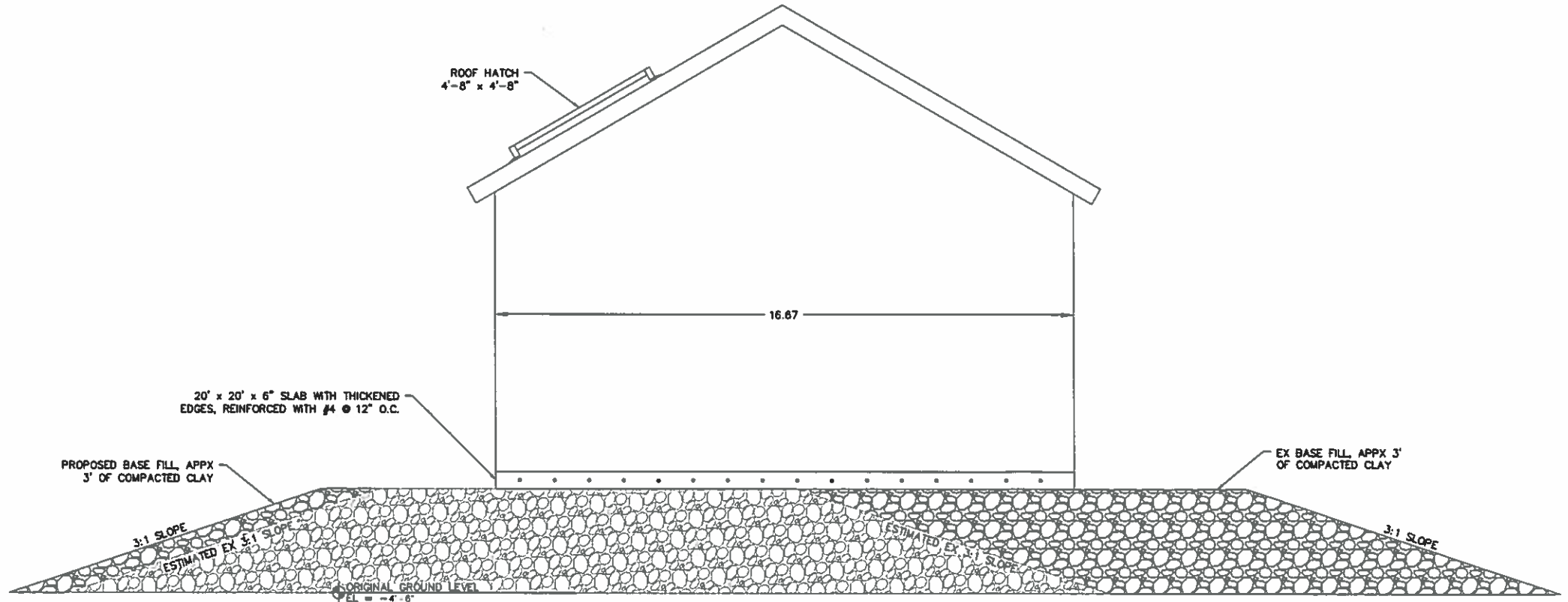
BEAVER WATER DISTRICT  
 24576 U.S. 101 S., LORVEDALE, OR 97122  
**BEAVER WELL**  
**BEAVER, OR**  
**WELL HOUSE PLAN**

Drawn: ARB  
 Date: 10/15/2019  
 2018-016  
 C3 of 8

RECEIVED  
 JUL 27 2020  
 OWRD



**WELL HOUSE NS PROFILE**  
SCALE: 1/2" = 1'



**WELL HOUSE EW PROFILE**  
SCALE: 1/2" = 1'

**H B H**  
ENGINEERS  
501 E First Street  
Newberg, Oregon 97132  
CONSULTING 503/554-9553 fax 503/537-9554  
email: mail@hbh-engineers.com

REV.	DATE	DESCRIPTION

IF THIS LINE IS NOT 1/8" INCH SCALE IS NOT AS SHOWN

BEAVER WATER DISTRICT  
20576 U.S. 101 S., CLONEDALE, OR 97112

**BEAVER WELL,  
BEAVER, OR**

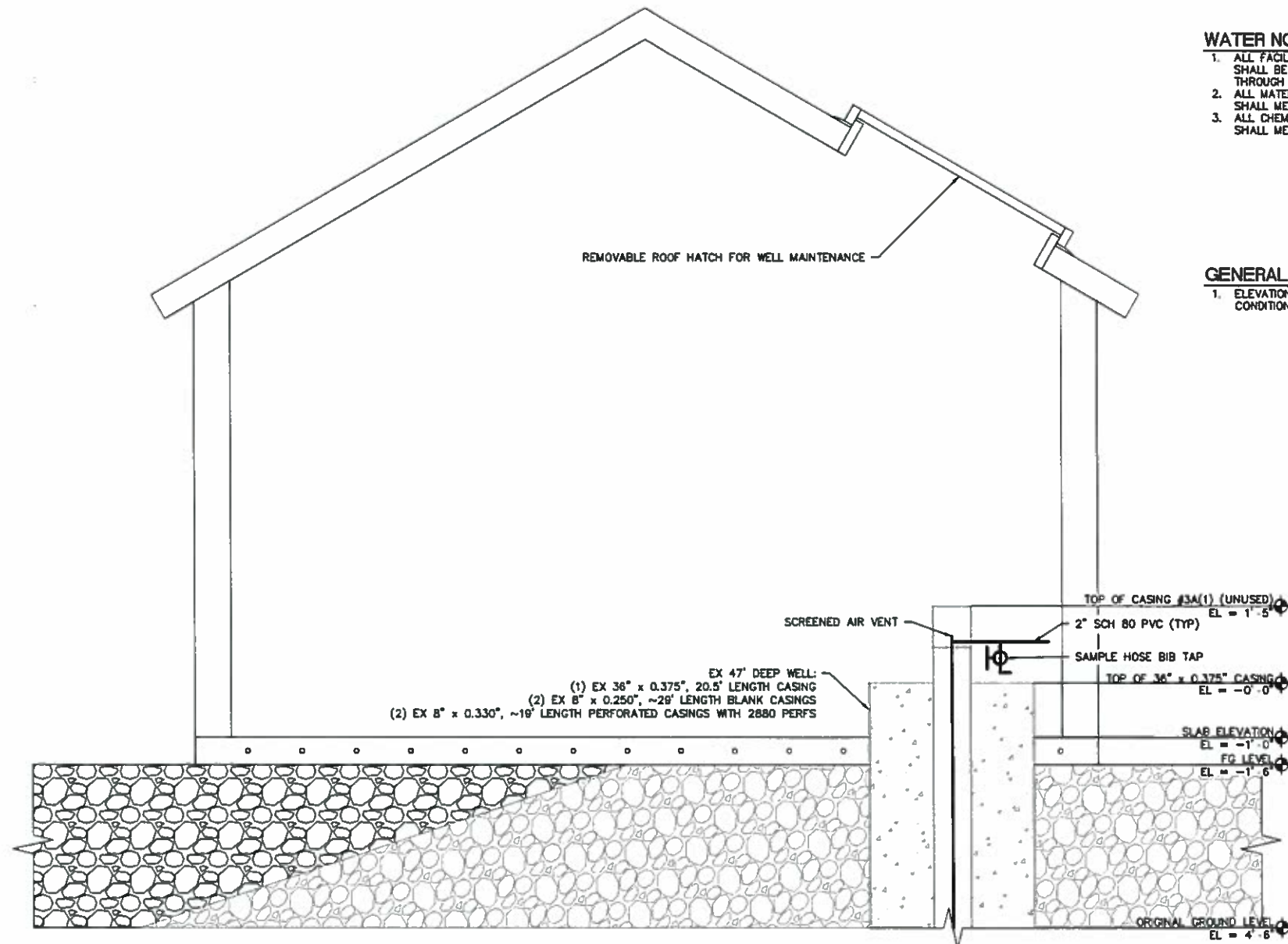
**WELL HOUSE PROFILES**

**C4**

10/15/2019

2018-016

RECEIVED  
JUL 27 2020  
OWRD



**WELL HOUSE SECTION A-A**  
SCALE: 3/4" = 1'

**WATER NOTES**

1. ALL FACILITIES AND EQUIPMENT IN CONTACT WITH POTABLE WATER SHALL BE DISINFECTED ACCORDING TO AWWA STANDARDS C651 THROUGH C654 PRIOR TO BEING PLACED INTO SERVICE.
2. ALL MATERIALS THAT COME INTO CONTACT WITH POTABLE WATER SHALL MEET NSF STANDARD 61.
3. ALL CHEMICALS THAT COME INTO CONTACT WITH POTABLE WATER SHALL MEET NSF STANDARD 80.

**GENERAL NOTES**

1. ELEVATION DATA OBTAINED FROM WELL LOG "TILL 822", FIELD CONDITIONS MAY VARY



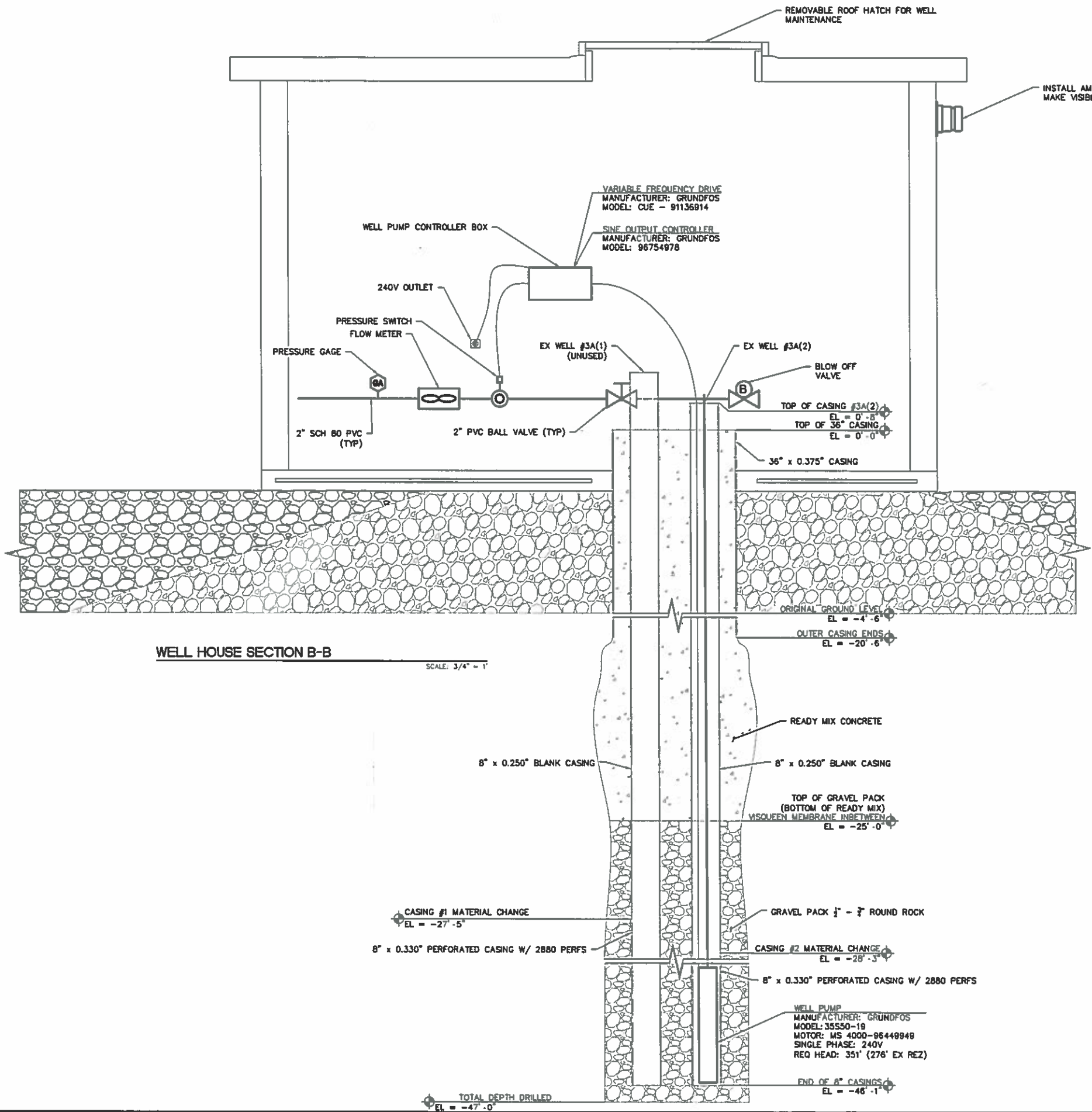
**H B H**  
CONSULTING ENGINEERS  
501 E First Street  
Newberg, Oregon 97132  
503/554-9553 fax 503/537-9554  
email: mail@hbh-engineers.com

REV	DATE	DESCRIPTION

IF THIS LINE IS NOT 1/8" INCH SCALE IS NOT AS SHOWN

BEAVER WATER DISTRICT  
24570 U.S. 101 S., LIVERDALE, OR 97122  
**BEAVER WELL**  
**BEAVER, OR**  
**WELL HOUSE SECTION A-A**

RECEIVED  
JUL 27 2020  
OWRD



**WELL HOUSE SECTION B-B**  
SCALE: 3/4" = 1'

**WATER NOTES**

1. ALL FACILITIES AND EQUIPMENT IN CONTACT WITH POTABLE WATER SHALL BE DISINFECTED ACCORDING TO AWWA STANDARDS C651 THROUGH C654 PRIOR TO BEING PLACED INTO SERVICE.
2. ALL MATERIALS THAT COME INTO CONTACT WITH POTABLE WATER SHALL MEET NSF STANDARD 61.
3. ALL CHEMICALS THAT COME INTO CONTACT WITH POTABLE WATER SHALL MEET NSF STANDARD 60.

**GENERAL NOTES**

1. ELEVATION DATA OBTAINED FROM WELL LOG "TILL 822", FIELD CONDITIONS MAY VARY

**WELL LOG**

NOTE: WELL LOG TILL 822 DEPTHS WERE MEASURED FROM ORIGINAL GROUND LEVEL. DEPTHS SHOWN BELOW ARE UPDATED TO MATCH ELEVATION PROFILE USED IN THESE PLANS. Δ = 4'-6"

DEPTH DRILLED: 47 FT      DEPTH OF COMPLETED WELL: 46.08 FT  
 WORK STARTED: 9-21-78      WORK COMPLETED: 5-16-79  
 DATE WELL DRILLING MACHINE WAS MOVED OFF OF WELL: 1-24-79

MATERIAL	FROM	TO	SWL
CLAY, RUSTY BROWN	4.5	10.5	
CLAY, RUSTY BROWN w/ SOME STRAY ROCKS	10.5	24.5	
GRAVEL & SAND, BROWN, FINE	24.5	25.5	
CLAY, SAND & GRAVEL CONGLOMERATE DRY	25.5	30.5	25.5
SANDSTONE FRACTURED w/ SOME CLAY, BROWN	30.5	40.5	25.5
SANDSTONE, LIGHT GRAY, HARD	40.5	41	25.5
CLAY, LIGHT GRAY	41	47	25.5

RECEIVED  
 JUL 27 2020  
 OWRD



**H B H**  
 CONSULTING ENGINEERS  
 501 E First Street  
 Newberg, Oregon 97132  
 503/554-9553 (fax) 503/537-9554  
 email: mail@hbh-engineers.com

REV	DATE	DESCRIPTION

IF THIS LINE IS NOT IN PENCIL SCALE IS NOT AS SHOWN

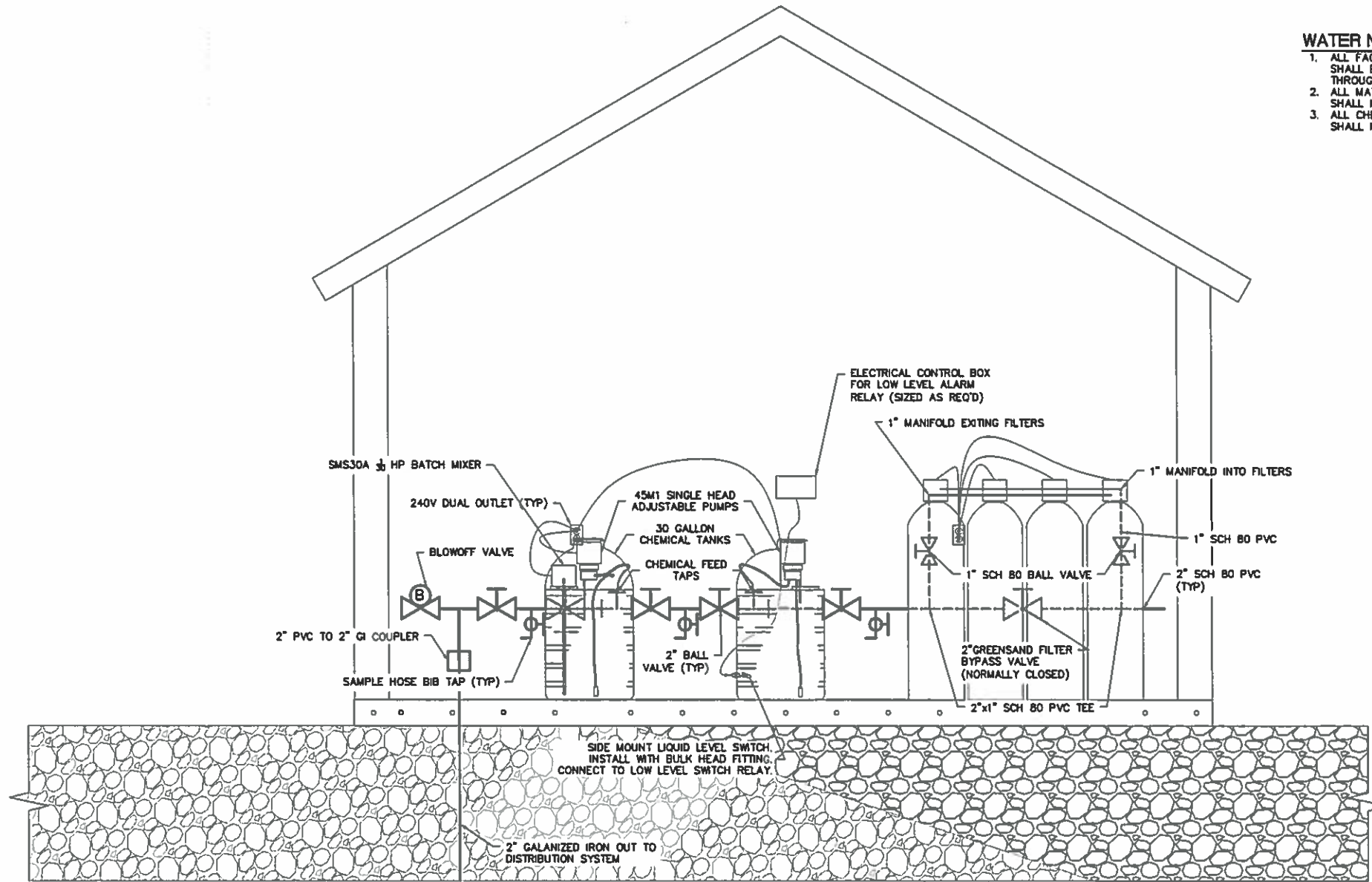
BEAVER WATER DISTRICT  
 24570 U.S. 101 S., CLATSOP, OR 97112  
**BEAVER WELL**  
 BEAVER, OR  
**WELL HOUSE SECTION B-B**





**WATER NOTES**

1. ALL FACILITIES AND EQUIPMENT IN CONTACT WITH POTABLE WATER SHALL BE DISINFECTED ACCORDING TO AWWA STANDARDS C651 THROUGH C654 PRIOR TO BEING PLACED INTO SERVICE.
2. ALL MATERIALS THAT COME INTO CONTACT WITH POTABLE WATER SHALL MEET NSF STANDARD 61.
3. ALL CHEMICALS THAT COME INTO CONTACT WITH POTABLE WATER SHALL MEET NSF STANDARD 60.



**WELL HOUSE SECTION C-C**

SCALE: 3/4" = 1"

RECEIVED  
JUL 27 2020  
OWRD

**H B H**  
ENGINEERS  
CONSULTING  
501 E First Street  
Newberg, Oregon 97132  
503/554-9553 fax 503/537-9554  
email: mail@hbh-engineers.com

REV	DATE	DESCRIPTION

IF THIS LINE IS NOT 1 INCH SCALE IS NOT AS SHOWN

BEAVER WATER DISTRICT  
24570 U.S. 101 S., CLATSOP, OR 97112  
**BEAVER WELL**  
BEAVER, OR  
**WELL HOUSE SECTION C-C**

Sheet No. **C7**  
10/15/2019  
2018-016  
C7 of 8

# H B H

## CONSULTING ENGINEERS

501 E First Street  
Newberg, Oregon 97132  
503-554-9553 • Fax 503-537-9554

### TRANSMITTAL

<b>TO</b> Beaver Water District PO Box 306 Beaver, OR 97112	<b>DATE</b> 6/15/2020	<b>JOB NO.</b> 2017-020
<b>ATTN</b> Ray Cloud		
<b>RE</b> Nestucca Bend Well Groundwater Right App		

WE ARE SENDING YOU VIA:     Messenger     Overnight     US Mail     Other: Delivered

Plans                       CDs                       Pay Request          Contract Docs       Specifications       Letter  
 Change Order               Proposal               Study                   Submittals           Report                 Other: OWRD Application

COPIES	DATE ON DOCS	NO.	DESCRIPTION
1	6/11/2020		OWRD Application for a Permit to use Groundwater

**THESE ARE SUBMITTED AS CHECKED BELOW:**

<input type="checkbox"/> FOR APPROVAL	<input type="checkbox"/> APPROVED AS SUBMITTED	<input type="checkbox"/> RESUBMIT ___ COPIES FOR APPROVAL
<input checked="" type="checkbox"/> FOR YOUR USE	<input type="checkbox"/> APPROVED AS NOTED	<input type="checkbox"/> SUBMIT ___ COPIES FOR DISTRIBUTION
<input type="checkbox"/> AS REQUESTED	<input type="checkbox"/> RETURNED FOR CORRECTIONS	<input type="checkbox"/> RETURN ___ CORRECTED PRINTS
<input type="checkbox"/> FOR REVIEW AND COMMENT	<input checked="" type="checkbox"/> RETURN AS NOTED	<input type="checkbox"/> _____

<b>REMARKS</b>	<p>Ray, Enclosed is the water right application package for the Nestucca Bend Well. Please note the following items are needed before submittal to OWRD:</p> <ul style="list-style-type: none"> <li>• Applicant Signature – bottom of Page 1</li> <li>• Check for permit fee of \$2,210</li> <li>• Attachment 2: Land Use Application Form – must be completed by County Planning based on information enclosed, and then included in submittal package to OWRD</li> </ul> <div style="text-align: right; margin-top: 20px;"> <p style="color: blue; font-weight: bold; font-size: 1.2em;">RECEIVED</p> <p style="color: blue; font-weight: bold; font-size: 1.1em;">JUL 27 2020</p> </div>
----------------	---

COPY TO: Rob Henry, PE

SIGNED:  OWRD