CLAIM OF BENEFICIAL USE for Reservoir Permits by CWRE's (not self-certified)

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

$345

A fee of ~~$230~~ must accompany this form for permits with priority dates of July 9, 1987, or later.
Claims received without the correct fee of $200 will be returned.

A separate form shall be completed for each permit.

In cases where a permit has been amended through the permit amendment process, a separate claim for the permit amendment is not required. Incorporate the permit amendment into the claim for the permit.

This form is subject to revision. **Begin each new claim** by checking for a new version of this form at:
https://www.oregon.gov/OWRD/Forms/Pages/default.aspx
The completion of this form is required by OAR 690-014-0100(1) and 690-014-0110(4).

Please type or print in dark ink. If this form is found to contain errors or omissions, it may be returned to you. **Every item must have a response.** If any requested information does not apply to the claim, insert "NA." **Do not delete or alter any section of this form unless directed by the form.** The Department may require the submittal of additional information from any water user or authorized agent.

"Section 8" of this form is intended to aid in the completion of this form and should not be submitted.

If you have questions regarding the completion of this form, please call 503-979-9103.

The Department has a program that allows it to enter into a voluntary agreement with an applicant for expedited services. Under such an agreement, the applicant pays the cost to hire additional staff that would not otherwise be available. This program means a certificate may be issued in about a month. For more information on this program see:
https://www.oregon.gov/OWRD/programs/WaterRights/RA/Pages/default.aspx

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SECTION 1

GENERAL INFORMATION

1. File Information

APPLICATION #	PERMIT # (IF APPLICABLE)	PERMIT AMENDMENT # (IF APPLICABLE)
R- 72484	R- 12053	N/A

2. Property Owner (current owner information)

Applicant/Business Name	Phone No.	Additional Contact No.
Rogue Valley Manor	541-773-7411	
Address		
1200 Mira Mira Avenue		

City	State	Zip	E-Mail
Medford	OR	97504	dgilliland@retirement.org

If the current property owner is not the permit holder of record, it is recommended that an assignment be filed with the Department. ***Each*** *permit holder of record must sign this form.*

3. Permit holder of record (this may, or may not, be the current property owner)

Permit Holder of Record		
Rogue Valley Manor		
Address		
1200 Mira Mira Avenue		
City	**State**	**Zip**
Medford	OR	97504

Additional Permit Holder of Record		
N/A		
Address		
City	**State**	**Zip**

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4. Date of Site Inspection:

9/25/24, 09/26/24 & 06/25/25

5. Person(s) interviewed and description of their association with the project:

Name	Date	Association with the Project
Alex Marin	09/2024 - 07/2025	Lead Grounds Keeper

6. County

Jackson

7. If any property described in the place of use of the permit final order is excluded from this report, identify the owner of record for that property (ORS 537.230(5)):

Owner of Record		
N/A		
Address		
City	**State**	**Zip**

Add additional tables for owners of record as needed

SECTION 2

SIGNATURES

CWRE Statement, Seal and Signature

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge.

Seal and Signature

Renewal Date: 12/31/2026

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CWRE NAME		PHONE NO.	ADDITIONAL CONTACT NO.
Robert V. Neathamer		541-732-2869	
ADDRESS PO Box 1584			
CITY Medford	STATE OR	ZIP 97504	E-MAIL bob@neathamer.com

Permit Holder's of Record Signature or Acknowledgement

Each *permit or transfer holder of record must sign this form in the space provided below.*

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge. I request that the Department issue a water right certificate.

SIGNATURE	PRINT OR TYPE NAME	TITLE	DATE
	Drew Gilliland	Facility Service Director	7/29/25

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SECTION 3

CLAIM DESCRIPTION

1. Reservoir source and, if from surface water, the tributary:

Reservoir Name or Number	Source	Tributary
Reservoir #1	Rogue River	Bear Creek
Reservoir #2	Rogue River	Bear Creek

2. Developed use(s), period of use, and acre foot (af) for each use:

Reservoir Name or Number	Uses	Season or Months When Water was Appropriated for Storage	Volume Stored (AF)
Reservoir #1	Aesthetics and irrigation	01/01 - 03/30	4.4 acre-feet
Reservoir #2	Aesthetics and irrigation	01/01 - 03/30	2.9 acre-feet
Total Quantity of Water Stored			7.3 acre-feet

3. Provide a general narrative description of the distribution works. This description must trace the water system from each point of diversion to the reservoir:

Water is appropriated from Bear Creek via an 18 inch pipe with a fish screen vault which is diverted by a submersible pump to an 8" inlet in Reservoir #2. Overflow waters from Reservoir #2 are directed to Reservoir #1 via a ditch. Excess waters can then be discharged back to Bear Creek from a outfall structure with a 24" outlet from Reservoir #1.

Reminder: The map associated with this claim must identify the location of the point(s) of diversion, Donation Land Claims (DLC), Government Lots (GLot), and Quarter-Quarters (QQ).

4. Variations:

Was the use developed differently from what was authorized by the permit, permit amendment final order, or extension final order? If yes, describe below. **YES** **NO**

(e.g. *"The permit allowed the development of three reservoirs. The permit holder only developed one of the reservoirs."* or *"The permit allowed for the storage of 9 acre feet of water. The reservoir was developed to hold 5.2 acre feet."*)

The permit allowed for the development of three reservoirs. The permit holder developed all three, but the third reservoir is no longer in use. Reservoir #1 was developed to hold 7.8 acre feet at max capacity (the permit allowed for 6.1 acre feet). Reservoir #2 was developed to hold 3.6 acre feet at max capacity (the permit allows for 2.6 acre feet). There is an outfall from Reservoir #1 to Bear Creek to discharge any excess waters. The water user informed this office that they do not fill the reservoirs to max capacity.

5. Claim Summary:

Reservoir Name or #	Maximum Storage Authorized by Permit (AF)	Maximum Storage Developed (AF)
Reservoir #1	6.1 acre feet	7.8 acre feet
Reservoir #2	2.6 acre feet	3.6 acre feet

SECTION 4

SYSTEM DESCRIPTION

Are there multiple reservoirs? (YES) NO

If *"YES"* you will need to copy and complete Sections A through E for each reservoir.

Reservoir Name or Number this section describes (only needed if there is more than one):

Reservoir #1

A. Reservoir Location

1. Is the reservoir on-channel? YES (NO)

2. Provide dam outlet location and/or point of diversion(s).

TWP	RNG	MER	SEC	QQ	GLOT	DLC	MEASURED DISTANCES
37S	1W	WILL	32	SE, NW	N/A	N/A	POD: 32' NORTH, 854' WEST OF SE DLC 50
37S	1W	WILL	32	SE, NW	N/A	N/A	OUTFALL: 773' SOUTH, 153' WEST OF SE DLC 50

Reminder: The map associated with this claim must identify Donation Land Claims (DLC), Government Lots (GLot), and Quarter-Quarters (QQ).

B. Diversion and Delivery System Information

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport the water from the point(s) of diversion to the reservoir.

1. Is a pump used? (YES) NO

If "NO" items 2 through item 5 may be deleted.

2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)
American Turbine	NS-AT 12X180 2-Stage	Not available	Turbine

3. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
40HP (1200 GPM)	60 PSI	Refer to civil drawings (attached)	38 feet (approx)	2.67 CFS

4. Provide pump calculations:

Pump capacity figures states in item #3 above were provided by Alex Marin of Rogue Valley Manor. Lift from pump to place of use determined per topographic data obtained by this office (NSI).

The pump is the primary distribution method used to convey water from POD in Bear Creek to Reservoir #2. Refer to canal info in Section D. used to convey water from Reservoir #2 to Reservoir #1.

5. Measured Pump Capacity (using meter if meter was present and system was operating)

Initial Meter Reading	Ending Meter Reading	Duration of Time Observed	Total Pump Output (in cfs)
N/A			

Reminder: For pump calculations use the reference information at the end of this document.

6. Additional notes or comments related to the system:

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C. Gravity Flow Pipe

(The Department typically uses the Hazen-William's formula for a gravity flow pipe system)

1. Does the system involve a gravity flow pipe? YES **NO**

If "NO", items 2 through 4 relating to this section may be deleted.

2. Complete the table:

Pipe Size	Pipe Type	"C" factor	Amount of Fall	Length of Pipe	Slope	Computed Rate of Water Flow (in cfs)

3. Provide calculations:

4. If an actual measurement was taken, provide the following:

Date of Measurement	Who Made the Measurement	Measurement Method	Measured Quantity of Water (in cfs)

Attach measurement notes.

D. Gravity Flow Canal or Ditch

(The Department typically uses Manning's formula for canals and ditches)

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system? **YES** NO

If "NO", items 2 through 4 relating to this section may be deleted.

2. Complete the table:

Canal or Ditch Type (material)	Top Width of Canal or Ditch	Bottom Width of Canal or Ditch	Depth	"N" Factor	Amount of Fall	Length of Canal / Ditch	Slope	Computed Rate (in cfs)
Smooth river rock	20 feet	14 feet	1 foot	0.03	11.7 feet	184 feet	6.36%	186 cfs

3. Provide calculations:

See attached sheet from www.manningformula.com calculator showing parameters and computed rate. It should be noted this canal is a water feature used to distribute water from Reservoir #2 to Reservoir #1 and is not the primary distribution method used to convey water from the POD in Bear Creek.

4. If an actual measurement was taken, provide the following:

Date of Measurement	Who Made the Measurement	Measurement Method	Measured Quantity of Water (in cfs)
N/A			

Attach measurement notes.

E. Reservoir

1. Does the reservoir require the submittal of as-built plans and specifications? YES **NO**

*If "**YES**", answer item 2; items 3 through 8 relating to this section may be deleted.*
*If "**NO**", skip items 2; answer items 3 through 8.*

2. Complete the table:

Have the Documents been submitted? yes or no	When were the Documents Submitted?	Have they been approved by the Department?	Number of acre feet stored
N/A			

3. If the reservoir stores less than 9.2 acre-feet of water or if the dam is less than 10 feet in height, and as-built plans and specifications are not required, complete the table and items 4 through 8.

Maximum depth	Average depth	Surface area (in acres)	Volume (in acre feet)
14.2 feet	5.5 feet	1.4 acres	7.8 acre feet

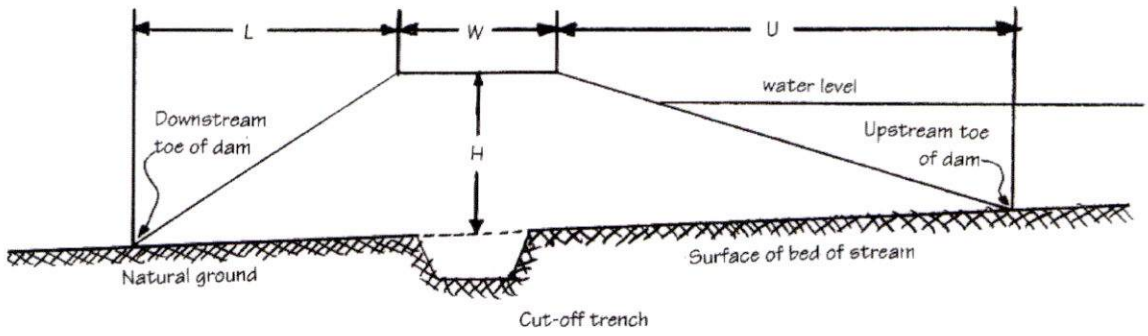
4. Provide reservoir volume calculations:

Volume calculations were derrived utilizing surface triangulation from topographic data obtained from this office. A volume report has been attached.

5. Provide the following information concerning the physical characteristics of the dam:

Crest width (W)	Dam height at centerline (H)	Distance from downstream top of dam to downstream toe (L)	Distance from upstream top of dam to upstream toe (U)	Water level at inspection	Down-stream slope	Up-stream slope
N/A	N/A	N/A	56-69 feet	10.6 feet	N/A	21-23%

Example Dam Profile *This box may be deleted from the form*



6. Provide a drawing showing the cross section of the dam at the maximum section indicating details and dimensions. The drawing should be drawn at a standard even scale.

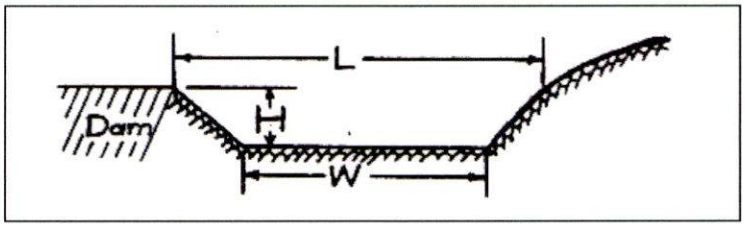
Refer to the attached Profiles based on topographic data obtained by this office. It should be noted that the reservoir is a subsurface pond and it not surrounded by an above ground dam to contain the stored water.

7. Describe the outlet works (size and type of the outlet conduit and location):

Outfall is located on the westerly side of Reservoir #1 and contains a 24" pipe that discharges water back to Bear Creek.

8. Describe the emergency spillway (dimensions and location):

Bottom width (W)	Top width (L)	Spillway depth (H)
N/A		



SECTION 4

SYSTEM DESCRIPTION

Are there multiple reservoirs? **YES** NO

If *"YES"* you will need to copy and complete Sections A through E for each reservoir.

Reservoir Name or Number this section describes (only needed if there is more than one):

Reservoir #2

A. Reservoir Location

1. Is the reservoir on-channel? YES **NO**

2. Provide dam outlet location and/or point of diversion(s).

TWP	RNG	MER	SEC	QQ	GLOT	DLC	MEASURED DISTANCES
37S	1W	WILL	32	SE, NW	N/A	N/A	POD: 32' NORTH, 854' WEST OF SE DLC 50
37S	1W	WILL	32	SE, NW	N/A	N/A	OUTFALL: 773' SOUTH, 153' WEST OF SE DLC 50

Reminder: The map associated with this claim must identify Donation Land Claims (DLC), Government Lots (GLot), and Quarter-Quarters (QQ).

B. Diversion and Delivery System Information

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport the water from the point(s) of diversion to the reservoir.

1. Is a pump used? **YES** NO

If "NO" items 2 through item 5 may be deleted.

2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)
American Turbine	NS-AT 12X180 2-Stage	Not available	Turbine

3. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
40HP (1200 GPM)	60 PSI	Refer to civil drawings (attached)	38 feet (approx)	2.67 CFS

4. Provide pump calculations:

Pump capacity figures states in item #3 above were provided by Alex Marin of Rogue Valley Manor. Lift from pump to place of use determined per topographic data obtained by this office (NSI).

The pump is the primary distribution method used to convey water from POD in Bear Creek to Reservoir #2. Refer to canal info in Section D. used to convey water from Reservoir #2 to Reservoir #1.

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5. Measured Pump Capacity (using meter if meter was present and system was operating)

Initial Meter Reading	Ending Meter Reading	Duration of Time Observed	Total Pump Output (in cfs)
N/A			

Reminder: For pump calculations use the reference information at the end of this document.

6. Additional notes or comments related to the system:

C. Gravity Flow Pipe

(The Department typically uses the Hazen-William's formula for a gravity flow pipe system)

1. Does the system involve a gravity flow pipe? YES **NO**

If "NO", items 2 through 4 relating to this section may be deleted.

2. Complete the table:

Pipe Size	Pipe Type	"C" factor	Amount of Fall	Length of Pipe	Slope	Computed Rate of Water Flow (in cfs)

3. Provide calculations:

4. If an actual measurement was taken, provide the following:

Date of Measurement	Who Made the Measurement	Measurement Method	Measured Quantity of Water (in cfs)

Attach measurement notes.

D. Gravity Flow Canal or Ditch

(The Department typically uses Manning's formula for canals and ditches)

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system? **YES** NO

If "NO", items 2 through 4 relating to this section may be deleted.

Res #2

2. Complete the table:

Canal or Ditch Type (material)	Top Width of Canal or Ditch	Bottom Width of Canal or Ditch	Depth	"N" Factor	Amount of Fall	Length of Canal / Ditch	Slope	Computed Rate (in cfs)
Smooth river rock	20 feet	14 feet	1 foot	0.03	11.7 feet	184 feet	6.36%	186 cfs

3. Provide calculations:

See attached sheet from www.manningformula.com calculator showing parameters and computed rate. It should be noted this canal is a water feature used to distribute water from Reservoir #2 to Reservoir #1 and is not the primary distribution method used to convey water from the POD in Bear Creek.

4. If an actual measurement was taken, provide the following:

Date of Measurement	Who Made the Measurement	Measurement Method	Measured Quantity of Water (in cfs)
N/A			

Attach measurement notes.

E. Reservoir

1. Does the reservoir require the submittal of as-built plans and specifications? YES **NO**

*If "**YES**", answer item 2; items 3 through 8 relating to this section may be deleted.*
*If "**NO**", skip items 2; answer items 3 through 8.*

2. Complete the table:

Have the Documents been submitted? yes or no	When were the Documents Submitted? fet	Have they been approved by the Department?	Number of acre feet stored
N/A			

3. If the reservoir stores less than 9.2 acre-feet of water or if the dam is less than 10 feet in height, and as-built plans and specifications are not required, complete the table and items 4 through 8.

Maximum depth	Average depth	Surface area (in acres)	Volume (in acre feet)
9.9 feet	4.1 feet	0.9 acres	3.6 acre feet

4. Provide reservoir volume calculations:

Volume calculations were derrived utilizing surface triangulation from topographic data obtained from this office. A volume report has been attached.

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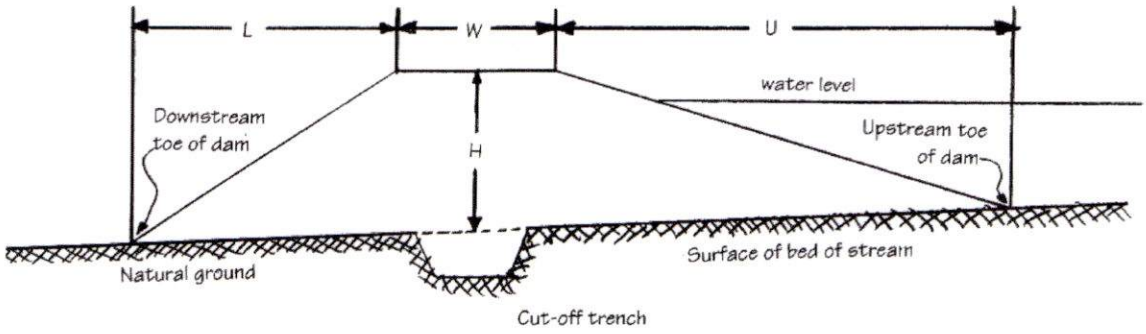
Res #2

5. Provide the following information concerning the physical characteristics of the dam:

Crest width (W)	Dam height at centerline (H)	Distance from downstream top of dam to downstream toe (L)	Distance from upstream top of dam to upstream toe (U)	Water level at inspection	Down-stream slope	Up-stream slope
N/A	N/A	N/A	47-61 feet	8.3 feet	N/A	15-19%

Example Dam Profile *This box may be deleted from the form*



6. Provide a drawing showing the cross section of the dam at the maximum section indicating details and dimensions. The drawing should be drawn at a standard even scale.

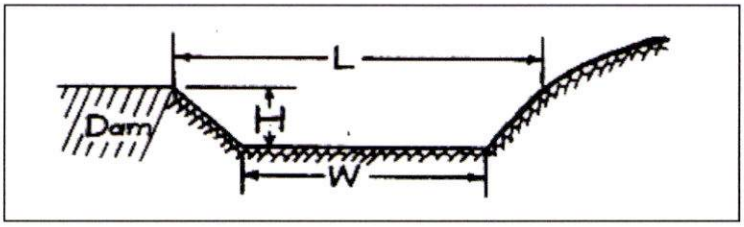
Refer to the attached Profiles based on topographic data obtained by this office. It should be noted that the reservoir is a subsurface pond and it not surrounded by an above ground dam to contain the stored water.

7. Describe the outlet works (size and type of the outlet conduit and location):

Outfall is located on the westerly side of Reservoir #1 and contains a 24" pipe that discharges water back to Bear Creek.

8. Describe the emergency spillway (dimensions and location):

Bottom width (W)	Top width (L)	Spillway depth (H)
N/A		



Res #2

SECTION 5

CONDITIONS

All conditions contained in the permit, permit amendment, or any extension final order shall be addressed. Reports that do not address all performance related conditions will be returned.

1. Time Limits:

Permits and any extension final orders contain any or all of the following dates; the date when the actual construction work was to begin, the date when the construction was to be completed, and the date when the complete application of water to the proposed was to be completed. These dates may be referred to as ABC dates. Describe how the water user has complied with each of the development timelines established in the permit or extension final order:

	Date from Permit	Date Accomplished*	Description of Actions Taken by Water User to Comply with the Time Limits
Issuance Date	October 10, 1996		
Begin construction (A)	October 10, 1997	Unknown	Based on multiple correspondences with
Complete construction (B)	October 1, 1998	Unknown	Alex Marin at Rogue Valley Manor and and an exhaustive search through available
Complete application of water (C)	October 1, 1999	Uknown	records, the dates were not able to be determined given the time that has passed.

* must be within period between permit or any extension final order issuance and the date to completely apply water

2. Is there an extension final order(s)? YES (NO)

3. Measurement Conditions:

a. Does the permit, permit amendment, or any extension final order require the installation of a meter or approved measuring device? YES (NO)

If "NO", items b through f relating to this section may be deleted. Permit states "may require the permittee ..."

Reminder: If a meter or approved measuring device was required, the COBU map must indicate the location of the device in relation to the point of diversion or appropriation.

b. Has a meter been installed? N/A YES NO

c. Meter Information N/A

POD/POA Name or #	Manufacturer	Serial #	Condition (working or not)	Current Meter Reading	Date Installed
N/A					

If a meter has been installed, items d through f relating to this section may be deleted.

d. If a meter has not been installed, has a suitable measuring device been installed and approved by the Department? N/A YES NO

e. If "YES", provide a copy of the letter approving the device, if available. If the letter is not available provide the name and title of the Water Resources Department employee approving the measuring device, and the approximate date of the approval:

NAME	TITLE	APPROXIMATE DATE
N/A		

f. Measurement Device Description

DEVICE DESCRIPTION	CONDITION (WORKING OR NOT)	DATE INSTALLED
N/A		

4. Recording and reporting conditions

a. Is the water user required to report the water use to the Department? YES (NO)

If "NO", item b relating to this section may be deleted. Permit states "may require the permittee ...""

b. Have the reports been submitted? N/A YES NO

If the reports have not been submitted, attach a copy of the reports if available.

5. Outlet Pipe

a. Is the water user required to install a minimum 8"outlet pipe/conduit? (YES) NO

If "NO", items b through c relating to this section may be deleted.

b. Has the outlet pipe been installed? (YES) NO

If "YES", items c relating to this section may be deleted.

c. Does the water user have other means to evacuate the reservoir? N/A YES NO

DESCRIBE HOW THE WATER USER PLANS TO EVACUATE THE RESERVOIR	HAS THIS PLAN BEEN APPROVED BY THE DEPARTMENT?	BY WHOM?
N/A	YES NO	

6. Fish Screening

a. Are any points of diversion required to be screened to prevent fish from entering the point of diversion? (YES) NO

If "NO", items b through e relating to this section may be deleted.

Reminder: If fish screening devices were required, the COBU map must indicate their location in relation to the point of diversion.

b. Has the fish screening been installed? (YES) NO

c. When was the fish screening installed?

DATE	BY WHOM
Relocation of POD with fish screen occurred in late 2010 with the I-5 interchange project. Exact date is unknown.	Unknown

Reminder: If the permit or transfer final order was issued on or after February 1, 2011, the fish screen is required to be approved by the Oregon Department of Fish and Wildlife regardless of the rate of diversion.

d. If the diversion **involves a pump** *and* the **total** diversion rate of all rights at the point of diversion is less than 225 gpm (0.5 cfs):

Has the self-certification form previously been submitted to the Department? **NA** **YES** **NO**

- If not, go to https://www.oregon.gov/OWRD/Forms/Pages/default.aspx (search for ODFW Small Pump Screen Self Certification), complete and attach a copy of the self-certification form to this claim, and send a copy of it to the Oregon Department of Fish and Wildlife (ODFW).

Reminder: Failure to submit evidence of a timely installed fish screen may result in an unfavorable determination. The ODFW self certification form needs to have been previously submitted or be attached to this form.

e. If the diversion does **not involve a pump** *or* the **total** diversion rate of all rights at the point of diversion is 225 gpm (0.5 cfs) or greater:

- Has the ODFW approval been previously submitted? **NA** **YES** **NO**
- If not, contact and work with ODFW to ensure compliance. To demonstrate compliance, provide signed documentation from ODFW. A form is available at https://www.oregon.gov/OWRD/Forms/Pages/default.aspx

ODFW approval letter is included in this application.

Reminder: Failure to submit evidence of a timely installed fish screen may result in an unfavorable determination. In order to receive a favorable approval, the ODFW/WRD "Fish Screen Inspection" form needs to have been previously submitted or be attached to this form.

7. By-pass Devices

a. Are any points of diversion required to have a by-pass device to prevent fish from entering the point of diversion? **YES** **NO**

If "NO", items b and c relating to this section may be deleted.

Fishway required per permit

Reminder: If by-pass devices were required, the COBU map must indicate their location in relation to the point of diversion.

b. Have by-pass device been installed? N/A **YES** **NO**

c. Describe the diversion works as related to whether a by-pass device is installed or unnecessary:

(Provide a letter from ODFW indicating the device is approved or is unnecessary. If there is no letter from ODFW, explain whether or not a by-pass device is necessary.)

DESCRIPTION (E.G. "ODFW HAS APPROVED THE BY-PASS DEVICE" OR "NO BY-PASS DEVICE IS NECESSARY BECAUSE THERE IS A DIRECT DIVERSION FROM THE STREAM VIA A PUMP ON RIVER LEFT STREAM BANK WITH FOOT VALVE DESCENDING DIRECTLY INTO NATURAL POOL.") IN ADDITION, YOU MAY ATTACH PHOTOS TO THIS CLAIM.	IF INSTALLED (DATE)	IF INSTALLED, BY WHOM
N/A		

8. Other conditions required by permit, permit amendment final order, or extension final order

a. Was the water user required to restore the riparian area if it was disturbed? YES (NO)

b. Was a fishway required? (YES) NO

c. Was submittal of a letter from an engineer required prior to storage of water? YES (NO)

d. Was submittal of a water management and conservation plan required? YES (NO)

e. Other conditions? YES (NO)

If "YES" to any of the above, identify the condition and describe the water user's actions to comply with the condition(s):

A fishway was not considered necessary as the vault at the POD allows for upstream and downstream passage of fish. The vault has a fish screen installed and was approved by the appropriate authorities for the irrigation intake relocation project (POD relocation) due to the I-5 interchange construction project. A copy of the approved plan set has been attached for reference. Detail 1/3 on Page 3 of said plans has the Fish Screen Vault Detail used for the POD in Bear Creek.
ODFW approval letter has been included.

SECTION 6

ATTACHMENTS

Provide a list of any additional documents you are attaching to this report:

ATTACHMENT NAME	DESCRIPTION
Reservoir #1 Volume Report	Volume report generated by Carlson software using triangulation data obtained by this offic
Reservoir #2 Volume Report	Same as above
Rogue Valley Manor Irrigation Intake Relocation Civil Drawings	Civil drawings prepared by Thornton Eng. for the relocation of the POD (dated May 24, 201
Profile Cross-Sections	Cross-sections of Reservoir #1, Reservoir #2 and the connecting canal.
Manning Formula Calculator	Print of the Manning Formula calculator used to compute CFS for the canal (source: www.manningformula.com).
ODFW Approval letter	Letter from ODFW approving POD meets current fish protection criteria.
COBU Map	Claim of Beneficial Use Map

SECTION 7

CLAIM OF BENEFICIAL USE MAP

The Claim of Beneficial Use Map must be submitted with this claim. Claims submitted without the Claim of Beneficial Use map will be returned. The map shall be submitted on poly film at a scale of 1" = 1320 feet, 1" = 400 feet, or the original full-size scale of the county assessor map for the location.

Provide a general description of the survey method used to prepare the map. Examples of possible methods include, but are not limited to, a traverse survey, GPS, or the use of aerial photos. If the basis of the survey is an aerial photo, provide the source, date, series and the aerial photo identification number.

This survey was conducted utilizing the Global Navigation Satellite System (GNSS) referenced to the National Spatial Reference System (NSRS). NSRS coordinate values were established via Trimble R10 GPS equipment, a Trimble TSC7 data collector with Trimble Access software, and RTK methods in conjunction with the ORGN (Oregon Real-time GPS Network). Established primary control and ties to found monuments utilizing said R10, RTK methods, ORGN and redundant ties. From which, utilized terrestrial methods with a Trimble SX10 Scanning Total Station and a Trimble TSC7 Controller with Access software to establish all remaining control, monument ties and topographic locations.

Map Checklist

Please be sure that the map you submit includes ALL the items listed below.
(Reminder: Incomplete maps and/or claims may be returned.)

- ☑ Map on polyester film.
- ☑ Appropriate scale (1" = 400 feet, 1" = 1320 feet, or the original full-size scale of the county assessor map)
- ☑ Township, Range, Section, Donation Land Claims, and Government Lots
- N/A ☐ If irrigation, number of acres irrigated within each projected Donation Land Claims, Government Lots, Quarter-Quarters
- ☑ Locations of fish screens and/or fish by-pass devices in relationship to point of diversion
- N/A ☐ Locations of meters and/or measuring devices in relationship to point of diversion
- ☑ Conveyance structures illustrated (pumps, reservoirs, pipelines, ditches, etc.)
- ☑ Point(s) of diversion or appropriation (illustrated and coordinates)
- ☑ Tax lot boundaries and numbers
- ☑ Source illustrated if surface water
- ☑ Disclaimer ("This map is not intended to provide legal dimensions or locations of property ownership lines")
- ☑ Application and permit number or transfer number
- ☑ North arrow
- ☑ Legend
- ☑ CWRE stamp and signature

Received
AUG 11 2025
OWRD

RESERVOIR #1 VOLUME REPORT

Volumes by Triangulation (Prisms) Wed, Jan 08 2025 9:28:17 AM
Existing Surface: N:\NSI Projects\Rogue Valley Manor\24042 Water Right Survey\Carlson\res #1 top.tin
Final Surface: N:\NSI Projects\Rogue Valley Manor\24042 Water Right Survey\Carlson\res #1 bottom.tin
Difference: N:\NSI Projects\Rogue Valley Manor\24042 Water Right Survey\Carlson\res #1 diff - volume.tin

Cut volume: 341,583.1 CF, 12,651.23 CY
Fill volume: 0.1 CF, 0.00 CY

Area in Cut : 62,214.5 SF, 1.43 Acres
Area in Fill: 14.0 SF, 0.00 Acres
Total inclusion area: 62,229.5 SF, 1.43 Acres

Average Cut Depth: 5.49 feet
Export Volume: 12,651.2 CY
Elevation Change To Reach Balance: 5.489
Volume Change Per .1 ft: 230.5 CY

Cut (CY) / Area (ac): 8855.72
Fill (CY) / Area (ac): 0.00

Max Cut: 14.195 at 295896.418,204467.561
Max Fill: 0.015 at 296038.192,204613.160

VOLUME = 7.84 ACRE-FEET

RESERVOIR #2 VOLUME REPORT

Volumes by Triangulation (Prisms) Wed, Jan 08 2025 9:29:33 AM
Existing Surface: N:\NSI Projects\Rogue Valley Manor\24042 Water Right Survey\Carlson\res #2 top.tin
Final Surface: N:\NSI Projects\Rogue Valley Manor\24042 Water Right Survey\Carlson\res #2 bottom.tin
Difference: N:\NSI Projects\Rogue Valley Manor\24042 Water Right Survey\Carlson\res #2 diff - volume.tin

Cut volume: 158,084.8 CF, 5,854.99 CY
Fill volume: 0.0 CF, 0.00 CY

Area in Cut : 38,354.1 SF, 0.88 Acres
Area in Fill: 0.0 SF, 0.00 Acres
Total inclusion area: 38,354.1 SF, 0.88 Acres

Average Cut Depth: 4.12 feet
Export Volume: 5,855.0 CY
Elevation Change To Reach Balance: 4.122
Volume Change Per .1 ft: 142.1 CY

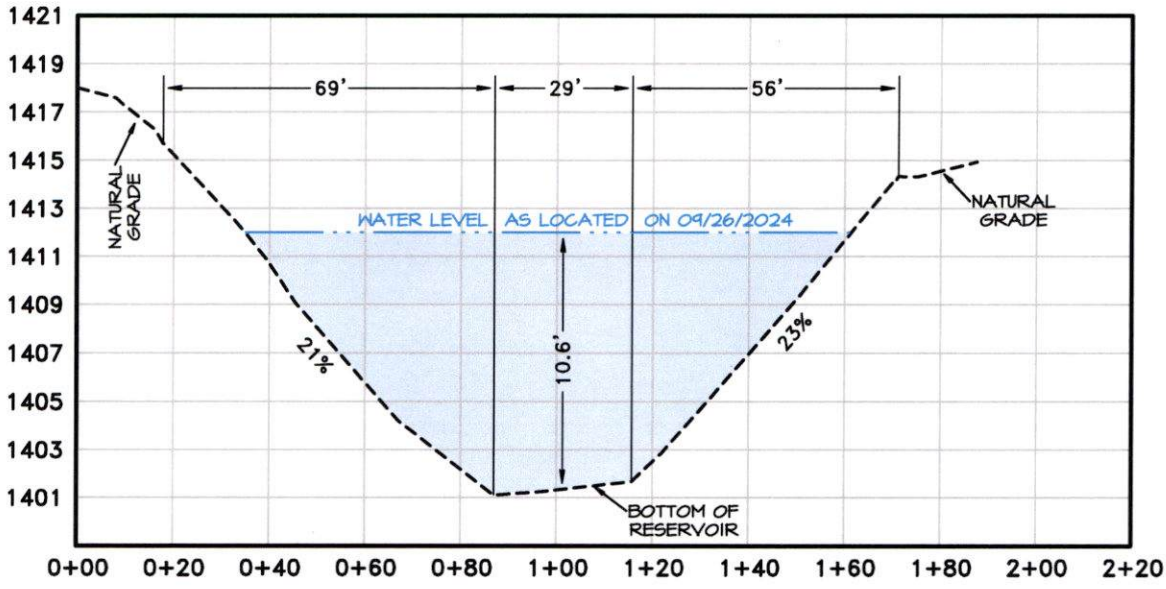
Cut (CY) / Area (ac): 6649.71
Fill (CY) / Area (ac): 0.00

Max Cut: 9.850 at 296241.536,204399.718

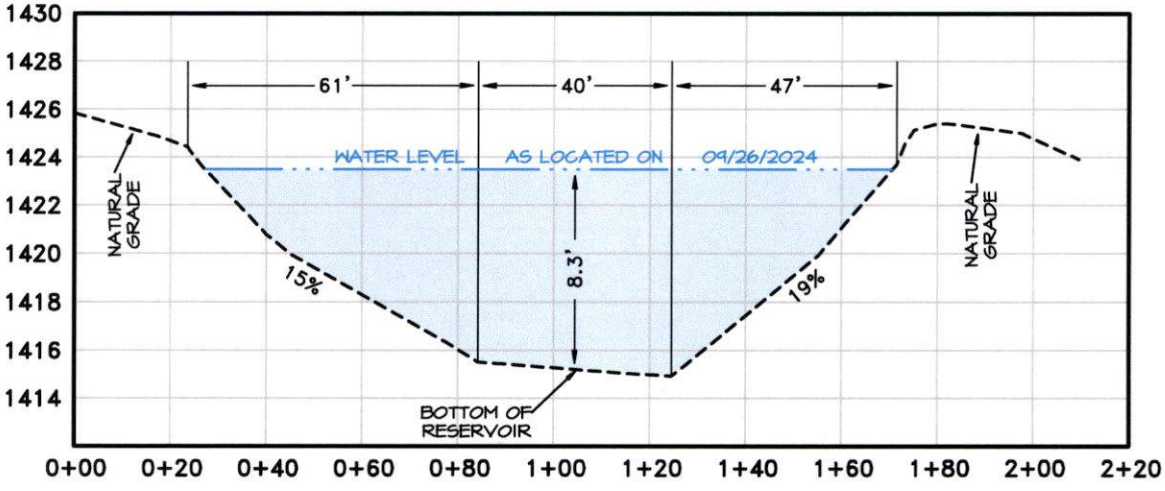
VOLUME = 3.63 ACRE-FEET

PROFILES

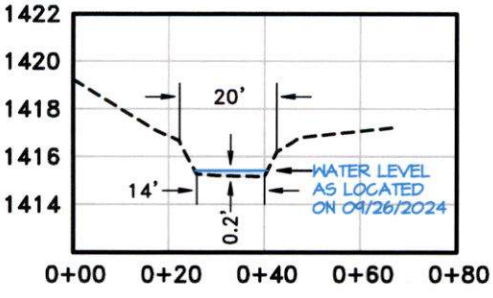
RESERVOIR #1



RESERVOIR #2

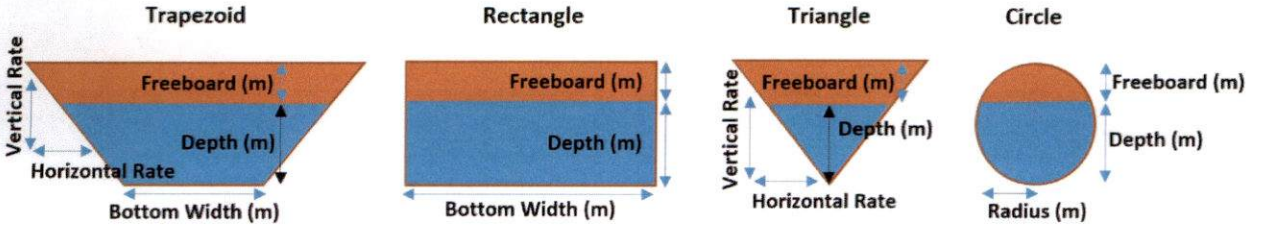


CANAL



CERTIFIED WATER RIGHTS EXAMINER
#407WRE
Robert V. Neathamer
ROBERT V. NEATHAMER
MAY 16, 1995
STATE OF OREGON

Renewal Date: 12/31/2026



Manning Formula Calculator

Open Channel Flow Calculator

Channel Type:

Trapezoid

○ Meter (m) ◉ Feet (ft)

☐ The banks are on the same slope.

Left Vertical Rate: 1.385

Left Horizontal Rate: 3.552

Right Vertical Rate: 1.0317

Right Horizontal Rate: 2.5794

Height (Depth) (ft): 1

Bottom Width (ft): 14

Water Surface Slope: .0636

Manning's n Values: 0.03

Suggested Manning's Roughness Coefficients

Calculate

Results of Water Velocity and Discharge

Parameters	Results
Wetted Area (ft^2):	16.532
Wetted Perimeter (ft):	19.445
Slope:	0.0636
Manning's N Value:	0.03
V(ft/s):	***11.241***
Q(ft^3/s):	***185.841***

Froude Number and Shear Stress

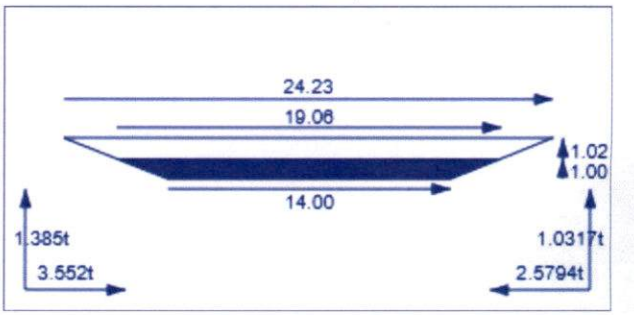
Parameters	Results
Froude Number:	2.128
Shear Stress (lbf/ft^2):	3.376

Permissible Shear Stresses for Bare Soil and Stone Linings

Height and Discharge of Freeboard

Parameters	Results
Freeboard (ft):	1.019
Q for Depth+Freeboard (ft^3/s):	645.895

Channel Shape



Manning formula is an empirical formula for calculating the velocity of water in open channel flows and partially filled closed systems. In order to calculate the water flow rate with the Manning formula, wetted cross-sectional area, wetted perimeter, water surface slope and manning roughness coefficient values are needed. Thanks to the manning's equation, the structures to be made for open channels can be dimensioned and unmeasured discharge values can be calculated.

In the following manning's formula, V is defined as water flow velocity (m/s or ft/s), k: conversion factor between imperial and international units systems (k:1 for SI, k:1.49 for the imperial system), n: manning roughness coefficient, R: hydraulic radius (wetted cross-sectional area/wetted perimeter), and s: water surface slope.

$V = k/n * (R)^{2/3} * \sqrt{s}$

The Froude number shows the regime of flow in open channel flows. If the Froude number is 1, the river is in the critical flow regime; if it is greater than 1, the river is in the flood regime; if it is less than 1, the river has a subcritical flow regime.

Fred number is calculated by the following formula. Fr in the formula: Froude number, v: water flow velocity (m/s or ft/sn), g: gravitational acceleration (9.81 m/s^2 or 32.185 ft/s^2) and d is defined as the hydraulic depth (wetted cross-sectional area/width of the flow surface of the water).

$Fr = V / \sqrt{(g*d)}$

Shear stress is a measure of the force exerted by water due to friction against the flow channel in open channel flows.

In the shear stress formula, τ: shear stress, γ: unit volume weight of water (9807 N/m^3 or 62.43 lbf/ft^3), R: hydraulic radius (wetted cross-sectional area/wetted perimeter), s is defined as the slope.

$\tau = \gamma * R * s$

The freeboard for open channels is the distance between the water surface in the channels and the upper surface of the structure. This distance is used as a precaution against fluctuations or swelling in the water. The freeboard can be accepted as between 10% and 20% of the water depth in the channel, or it is calculated with the help of the formula below.

In the freeboard formula, F: freeboard for open channels (m or ft), V: water flow velocity (m/s or ft/s) and h (m or ft) is defined as the depth.

$F = 0.60 + 0.03731 * V * \sqrt[3]{h}$

info@manningformula.com

Oregon
Tina Kotek, Governor

Department of Fish and Wildlife
Rogue Watershed District Office
1495 East Gregory Rd.
Central Point, OR 97502
Phone: 541-826-8774
Fax: 541-826-8776
www.odfw.com

July 24, 2025

Rogue Valley Manor
Attn: Drew Gilliland
1200 Mira Mar Avenue
Medford, OR 97504

Dear Drew,

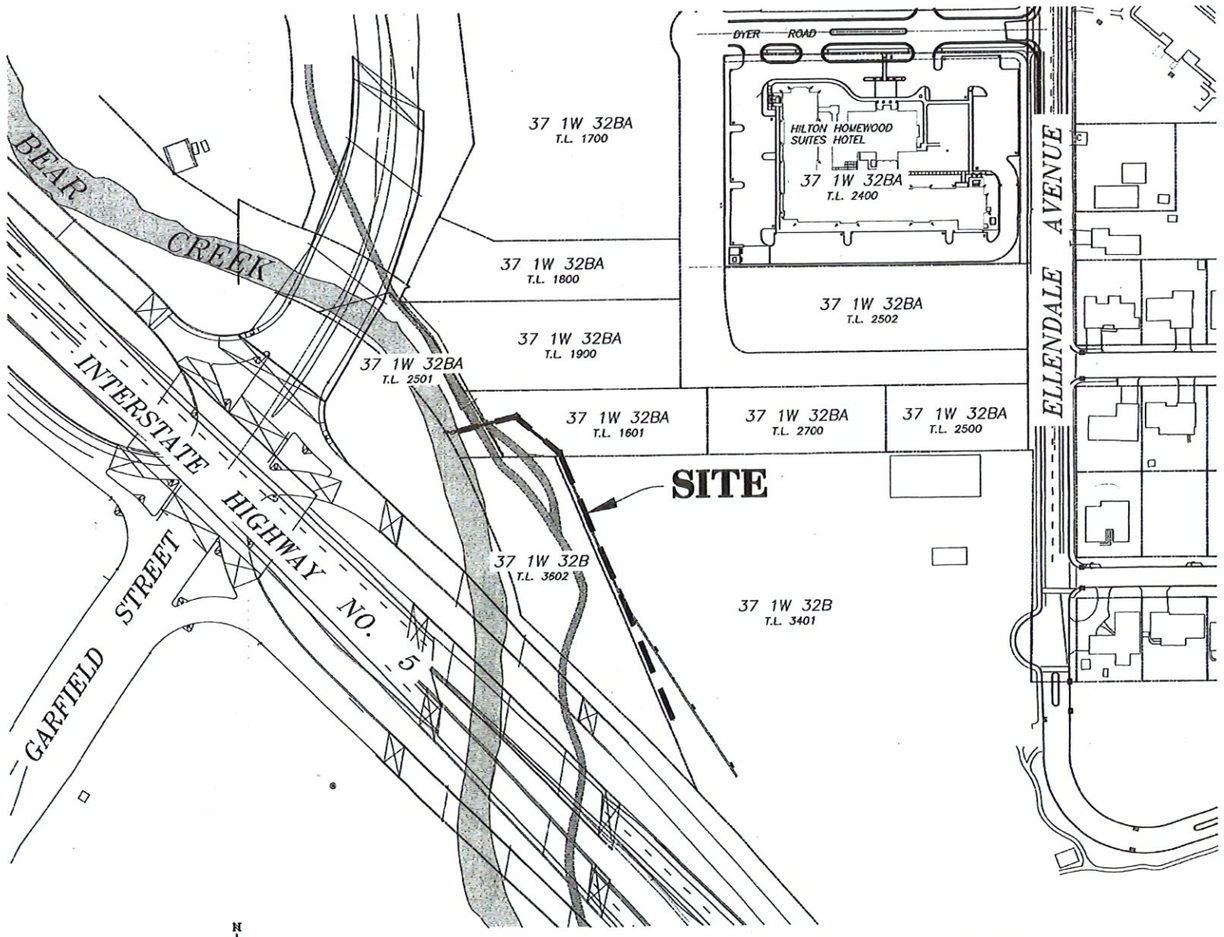
Regarding OWRD Permit R-12053, ODFW has determined the fish screen at the point-of-diversion (42.31234, -122.84881) meets current fish protection criteria, and fish bypass devices are not necessary. This approval is contingent on the following: current conditions remain unchanged, screens are installed so effective screen area is submerged during operation, the screen is regularly inspected and maintained to ensure it remains in working order (including debris removal), and the screen is annually inspected when it is not in use. Thank you.

Sincerely,

Josh Kelsey
Screens and Passage Coordinator
Fish Screening and Passage Program
(541) 857-2424

ROGUE VALLEY MANOR - IRRIGATION INTAKE RELOCATION

A PROPOSED PRIVATE IRRIGATION PROJECT
LOCATED IN:
37 1W 32B, T.L. #3401, 3602 & 37 1W 32BA T.L. #1601, 2501
MEDFORD, JACKSON COUNTY, OREGON



LOCATION MAP - ROGUE VALLEY MANOR IRRIGATION RELOCATION

N

0 100 200

SCHEDULE OF DRAWINGS

1	COVER SHEET
2	IRRIGATION PLAN
3	DETAILS

ABBREVIATIONS & SYMBOLS

A.C.	ASPHALTIC CONCRETE	MAX	MAXIMUM
B.C.	BACK OF CURB	MIN	MINIMUM
B.C.R.	BEGINNING OF CURB RETURN	M.H.	MANHOLE
C.I.	CURB INLET	P.	PROPERTY LINE
Q	CENTER LINE	PUE	PUBLIC UTILITY EASEMENT
CONC	CONCRETE	R/W	RIGHT-OF-WAY
D/W	DRIVEWAY	SS	SANITARY SEWER
E.C.R.	END OF CURB RETURN	SSL	SANITARY SEWER LATERAL
EL	ELEVATION	S/W	SIDEWALK
EXIST	EXISTING	STD	STANDARD
OG	ORIGINAL GRADE	SD	STORM DRAIN
FG	FINISH GRADE	TC	TOP OF CURB
FH	FIRE HYDRANT	UON	UNLESS OTHERWISE NOTED
INV	INVERT OF PIPE	WM	WATER METER
L/S	LANDSCAPING	WV	WATER VALVE

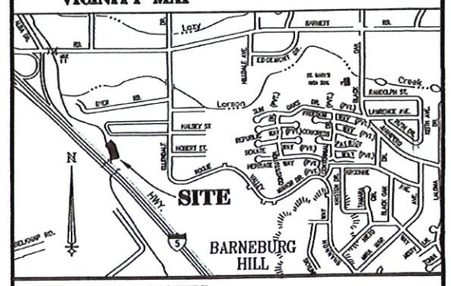
CONTACTS

OWNER
PACIFIC RETIREMENT SERVICES
1200 MIRA MAR AVENUE
MEDFORD, OR 97504
(541) 772-8557

CIVIL ENGINEER
THORNTON ENGINEERING, INC.
260 N. 3RD STREET
JACKSONVILLE, OR 97530
(541)-899-1489
(541)-899-3419 FAX

DATE	CURRENT SET	PLAN SET DESCRIPTION
1/30/07		50% TE/CLIENT PLAN REVIEW
2/22/08		90% TE/CLIENT REVIEW SET
3/11/08		90% TE/CLIENT REVIEW SET
3/27/08		DSL/USACE APPLICATION SET
5/26/10	X	CONSTRUCTION PLANS

VICINITY MAP



GENERAL NOTES

1. All workmanship and materials shall conform to the provisions of the 2002 Oregon Standard Specifications.
2. The Contractor shall determine the location of all utilities necessary to complete the work. The Engineer does not guarantee the accuracy of the location or depth of the utilities shown on the plans. The Contractor shall pothole existing utilities and notify Engineer of any discrepancies with these plans.
4. The Contractor shall not perform work without the Agency inspections where inspections are required by the specifications.
5. Requests by the contractor for changes to the plans must be approved by the consulting engineer before the changes are implemented.
6. When performing excavations, the contractor shall comply with the provisions of ORS 757.541 to 757.571, which include requirements that the contractor hand-expose (pothole) underground facilities and use reasonable care to avoid damaging them.
7. The Engineer does not either expressly or by implication seek to establish or delineate the property and right-of-way boundaries. The Engineer has included the boundaries on the drawing to orient the location of the work only. The Engineer has drawn centerline and existing property line locations based on a boundary & topographic survey provided by Hoffbuhr & Associates, Inc. The Contractor shall contact a surveyor to establish horizontal and vertical control for the project.
8. All concrete shall be Commercial Grade Concrete, 3300 psi @ 28 days unless otherwise specified.
9. Irrigation pipe (gravity flow) 12" in diameter or greater shall be ADS n-12. All joints shall be watertight.
10. Irrigation pipe (gravity flow) less than 12" in diameter shall be PVC D-3034.
11. The Contractor shall contact the respective Utility Companies to coordinate relocation or reconstruction of any utilities.
12. The Contractor shall notify the following 48 hours prior to starting the work:
    Oregon Utility Notification Center 1-800-332-2344
    Thornton Engineering 899-1489
13. Thornton Engineering, Inc. is not providing consulting services regarding subsurface soil and groundwater conditions for this project. The contractor shall stop work and contact Thornton Engineering and the owner immediately if groundwater is encountered, or if unusually soft or unstable soil conditions exist on the site. Thornton Engineering may recommend that the owner retain a geotechnical engineer to provide additional recommendations.
14. Contractor shall verify that any necessary building permits have been obtained prior to construction.

JOB NO. 07-033
FILE: BASEMAP.DWG

DRAWN:	JP
DATE:	5/24/10
	REVISIONS

REGISTERED PROFESSIONAL ENGINEER 15,973 OREGON JULY 21, 1989 KIRK J. DALEY
RENEWAL DATE: 12/31/2011

THORNTON ENGINEERING INC. p.o. box 476 • 260 north 3rd street jacksonville, oregon 97530 (541) 899-1489 (541) 899-3419 fax

COVER SHEET
ROGUE VALLEY MANOR - IRRIGATION INTAKE RELOCATION
ROGUE VALLEY MANOR
1200 MIRA MAR AVENUE
MEDFORD, OREGON

SHEET 1

37 1W 32BA
T.L. 1900

37 1W 32BA
T.L. 1601

37 1W 32B
T.L. 3401

37 1W 32B
T.L. 3602

37 1W 32BA
T.L. 2501

170 L.F. OF 3" CONDUIT; CONNECT TO FISH SCREEN VAULT IN CREEK & STUB UP & CAP END NEAR PUMP VAULT TO ALLOW FOR FUTURE AIR-BURST CLEANING SYSTEM INSTALLATION

EXISTING STORM DRAIN MANHOLES

S 49°34'11" E

58.4'±

82 L.F. OF 18" ADS N-12 IRRIGATION

0+99.0
72" IRRIGATION MANHOLE
(SEE DETAIL 3/3)

1+81.1
SUBMERSIBLE PUMP VAULT
(SEE DETAIL 4/3)

S 22°20'01" E

POWER CONDUITS (BY OTHERS)

8" CL. 50 D.I. IRRIGATION

4+10
11.25° BEND W/
RESTRAINED JOINTS

S 31°59'52" E

7+18±
CONNECT TO EXISTING 8" D.I. IRRIGATION NEAR EXISTING ELECTRIC JUNCTION BOX; 11.25° BEND WITH RESTRAINED JOINTS

EXISTING 8" D.I. IRRIGATION TO REMAIN

60'±

EXISTING FENCE

ABANDON EXISTING 8" D.I. IRRIGATION

EXISTING 8" S.S.

R/W

ODOT EASEMENT

SANITARY SEWER EASEMENT

EXISTING 48" SANITARY SEWER; TELEMETRY LINE MAY ALSO EXIST IN SAME TRENCH – CONTRACTOR TO VERIFY WITH RVS

ABANDON EXISTING PUMP VAULT

GREENWAY EASEMENT

EXISTING ASPHALT BIKE PATH

30" DIA. x 20' LONG STEEL SLEEVE

88 L.F. OF 18" ADS N-12 IRRIGATION

N 76°23'51" E

IRRIGATION EASEMENT

EXISTING IRRIGATION INTAKE BOX, PIPE & MANHOLE TO BE REMOVED

APPROX. EDGE OF CREEK

35.4'±

0+00

1+08.3
INLET/FISH SCREEN VAULT; SEE DETAIL 1/3

BEAR CREEK

IRRIGATION PLAN - ROGUE VALLEY MANOR IRRIGATION RELOCATION

0 20 40

NOTE:
CONTRACTOR SHALL HAVE A PRE-CONSTRUCTION MEETING WITH ROGUE VALLEY SEWER SERVICES (RVS) AND SATISFY ALL REQUIREMENTS OF RVS FOR THE IRRIGATION LINE CROSSING AT THE EXISTING SANITARY SEWER MAIN. IF SEWER BYPASS PUMPING IS REQUIRED, THE CONTRACTOR SHALL DEVELOP A BYPASS PLAN AND HAVE IT APPROVED BY RVS.

0+99.0
72" DIA. M.H.
Rim=1372.60
18" INV IN=1368.60
18" INV OUT=1368.60
4' DEEP SUMP

1+81.1
72" DIA. M.H.
Rim=1387.0
18" INV IN=1368.4

0+08.3
Rim=1377.1±
18" INV OUT=1374.2±

0+54.8
VERT. ANGLE POINT
18" INV=1368.89

ORIGINAL GROUND

MAINTAIN CONSTANT GRADE FOR ENTIRE LENGTH OF PIPE

8" CL. 50 D.I. IRRIGATION LINE
(36" COVER, MIN.)

EXISTING 48" SANITARY SEWER

30" DIA. x 20' LONG STEEL SLEEVE; 6" MIN. CLEAR FROM BOTTOM OF EXISTING SANITARY SEWER; BACKFILL WITH CEMENT SLURRY

44 L.F. OF 18" IRR @ 12.5%

82 L.F. OF 18" IRR @ 0.20%

44 L.F. OF 18" IRR @ 0.20%

SAVE POINT

ORIGINAL GROUND

7+18±
CONNECT TO EXIST. 8" IRRIGATION LINE

8" CL. 50 D.I. IRRIGATION LINE
(36" COVER, MIN.)

PROFILE - IRRIGATION

1"=20' HORIZONTAL
1"=4' VERTICAL

0 20 40

4 2 0

JOB NO. 07-033
FILE: BASEMAP.DWG

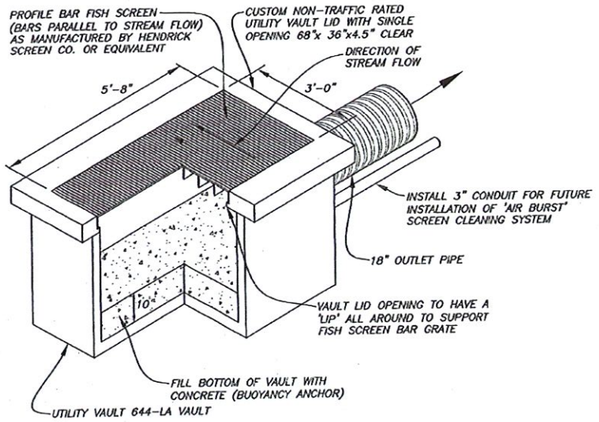
DRAWN:	JP
DATE:	5/26/10
	REVISIONS

REGISTERED PROFESSIONAL ENGINEER
15,973
OREGON
JULY 21, 1989
KIRK J. DALEY
RENEWAL DATE: 12/31/2011

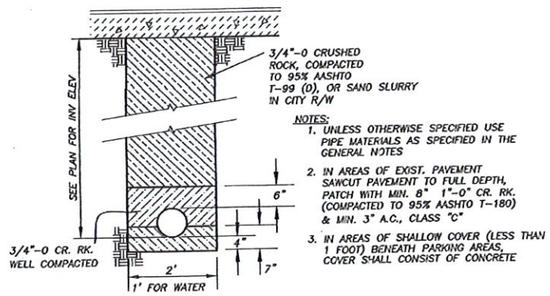
THORNTON ENGINEERING INC.
p.o. box 476 • 260 north 3rd street
jacksonville, oregon 97530
(541) 899-1489 (541) 899-3419 fax

IRRIGATION PLAN
ROGUE VALLEY MANOR - IRRIGATION INTAKE RELOCATION
ROGUE VALLEY MANOR
1200 MIRA MAR AVENUE
MEDFORD, OREGON

SHEET 2

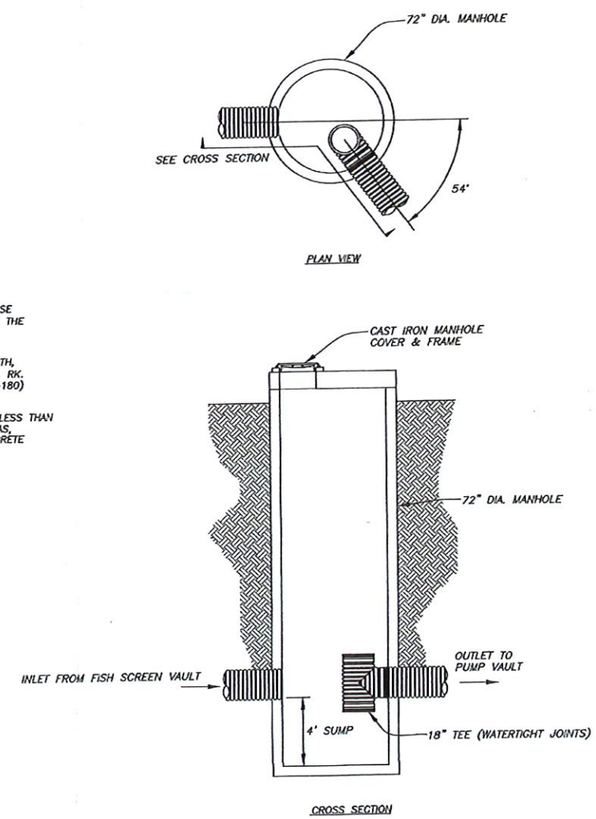


1/3 FISH SCREEN VAULT DETAIL
No Scale

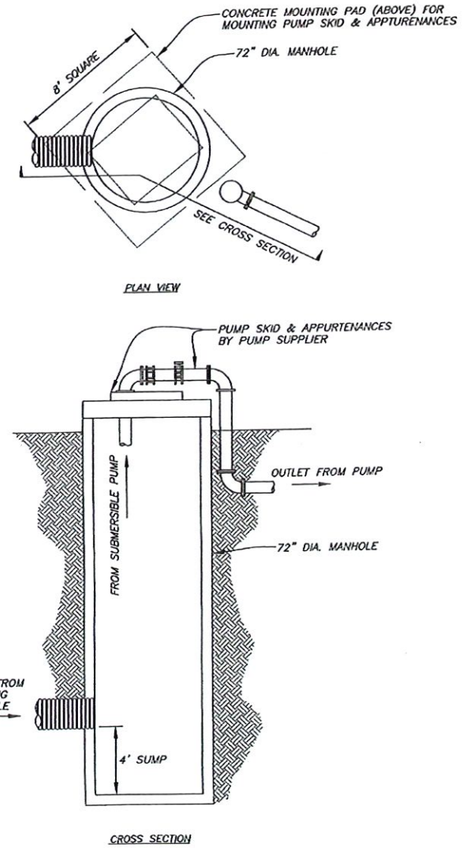


NOTES:
1. UNLESS OTHERWISE SPECIFIED USE PIPE MATERIALS AS SPECIFIED IN THE GENERAL NOTES
2. IN AREAS OF EXIST. PAVEMENT SAWCUT PAVEMENT TO FULL DEPTH, PATCH WITH MIN. 8" 1"-0" CR. RK. (COMPACTED TO 95% AASHTO T-180) & MIN. 3" A.C., CLASS "C"
3. IN AREAS OF SHALLOW COVER (LESS THAN 1 FOOT) BENEATH PARKING AREAS, COVER SHALL CONSIST OF CONCRETE

2/3 TRENCH DETAIL
No Scale



3/3 SETTLING MANHOLE DETAIL
STA 0+99.0 No Scale



4/3 PUMP VAULT MANHOLE DETAIL
STA 1+81.1 No Scale

JOB NO. 07-033
FILE: BASEMAP.DWG

DRAWN:	JP
DATE:	5/26/10
	REVISIONS

REGISTERED PROFESSIONAL ENGINEER 15,973 OREGON JULY 21, 1978 KIRK J. DALEY
RENEWAL DATE: 12/31/2011

THORNTON ENGINEERING INC. p.o. box 476 • 260 north 3rd street jacksonville, oregon 97530 (541) 899-1489 (541) 899-3419 fax

DETAILS
ROGUE VALLEY MANOR - IRRIGATION INTAKE RELOCATION
ROGUE VALLEY MANOR
1200 MIRA MAR AVENUE
MEDFORD, OREGON

SHEET 3