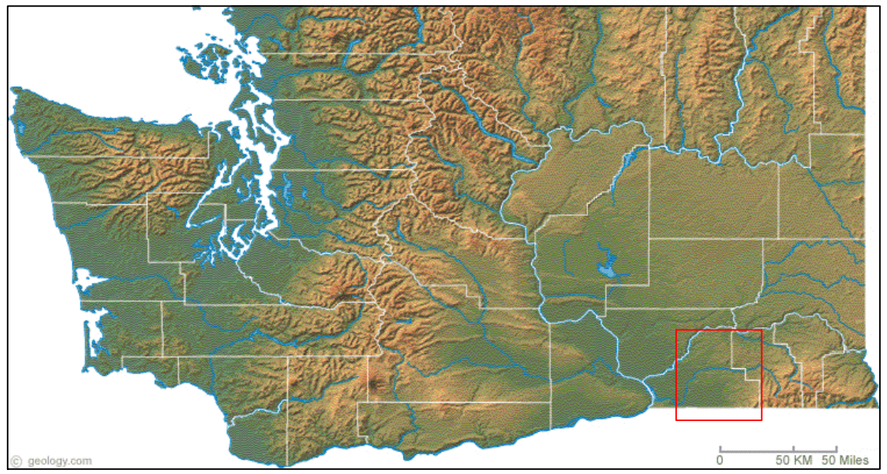

LOCATION MAP

Last Chance Road
Shallow Aquifer Recharge Project
Walla Walla Basin Watershed Council

INDEX OF DRAWINGS

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1	Cover Sheet & Location Map
2	Plan View
3	Pipe Profiles
4	Plan View - Open Ditch
5	Detail 1- Diversion
6	Detail 2- Flowmeter Vault
7	Detail 3- Recharge Piping Detail
8	Detail 4 - Miscellaneous

GENERAL NOTES

1. The attached Material and Installation Specifications are part of this plan and shall govern the installation of this project.
2. This installation shall be constructed to the lines and grades as shown on the drawings and detailed in the construction specificatoins.
3. Construction activities shall be performed in a manner that minimizes soil, water, and air pollution.
4. Construction activities will be conducted in a manner consistent with all safety regulations for work activities necessary for this installation.
5. No representation is made of any utilities, public or private. Absence of utilities on these drawings does not assure that no utilities are present. If buried utilities are shown, the location and depth are approximate. The exact location and depth of any utility must be determined by the utility company prior to any excavation.
6. Contractor is responsible for acquiring and complying with all permits.

UTILITIES

Washington State Law requires Owners and Operators to notify utilities two business days before construction begins to have underground utilities located. To comply with the law call the Utilities Underground Location Center at: 1-800-424-5555

Review and Acceptance

I have reviewed the Drawings and Construction specifications provided and find them to be acceptable for installation. I also acknowledge that any modifications shall be approved by the Engineer prior to installation. I also acknowledge that I have received a copy of this plan.

Owner _____ Date _____

Cover Sheet

Lance Horning
Engineering
Corvallis, OR 97333
(509) 595-8990

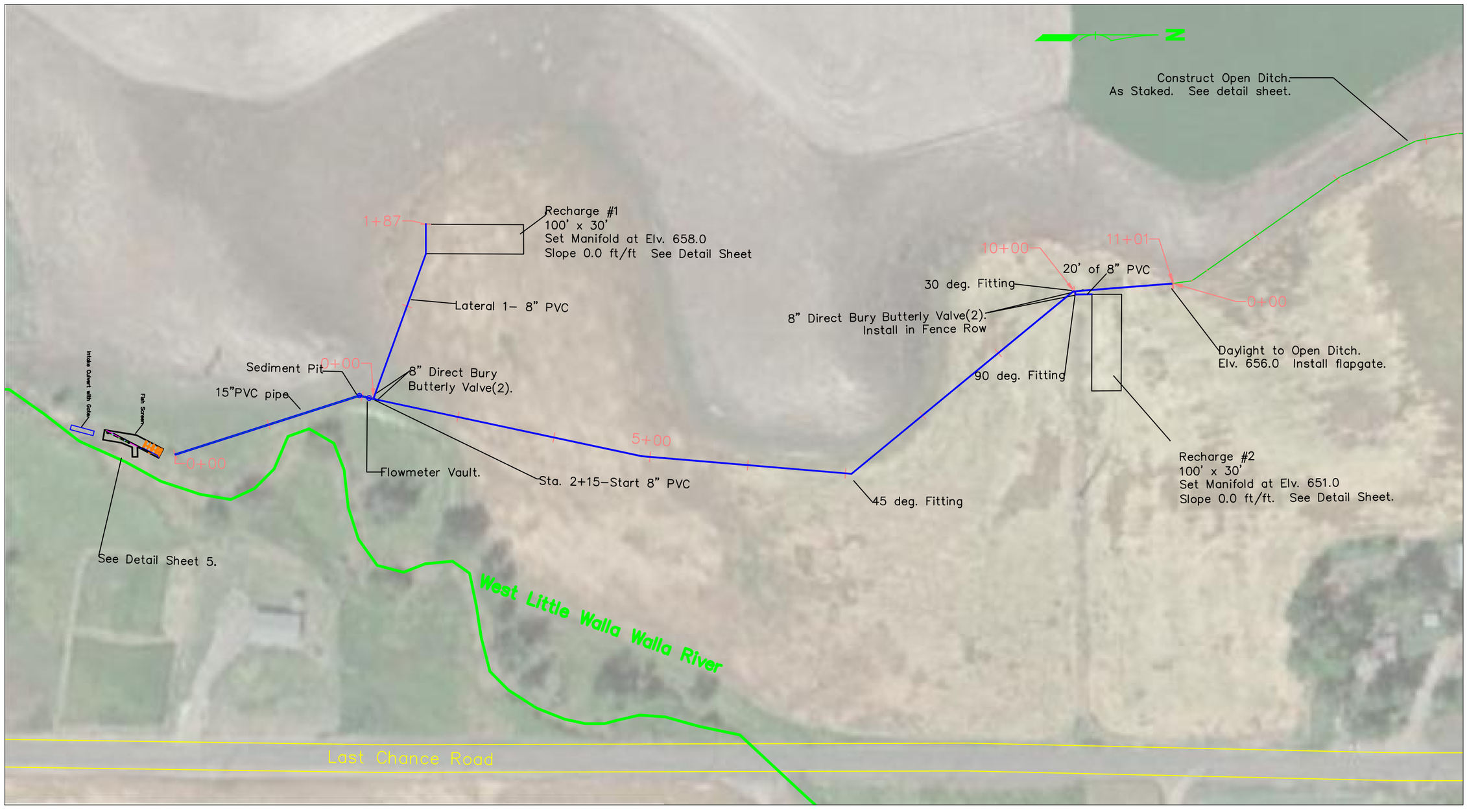
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:
REVISED BY:
SCALE:
DATE:
REVISED DATE:

Last Chance Road Recharge Project
Walla Walla Basin Watershed Council

SIGNATURE: _____

SHEET: 1

SHEET NO. 1 OF 8



Plan View

Lance Horning
Engineering
Corvallis, OR 97333
(509) 595–8990

DESIGNED BY:
DRAWN BY:
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APPROVED BY:
REVISED BY:
SCALE:
DATE:
REVISED DATE:

Last Chance Road Recharge Project
Walla Walla Basin Watershed Council
Milton Freewater, OR

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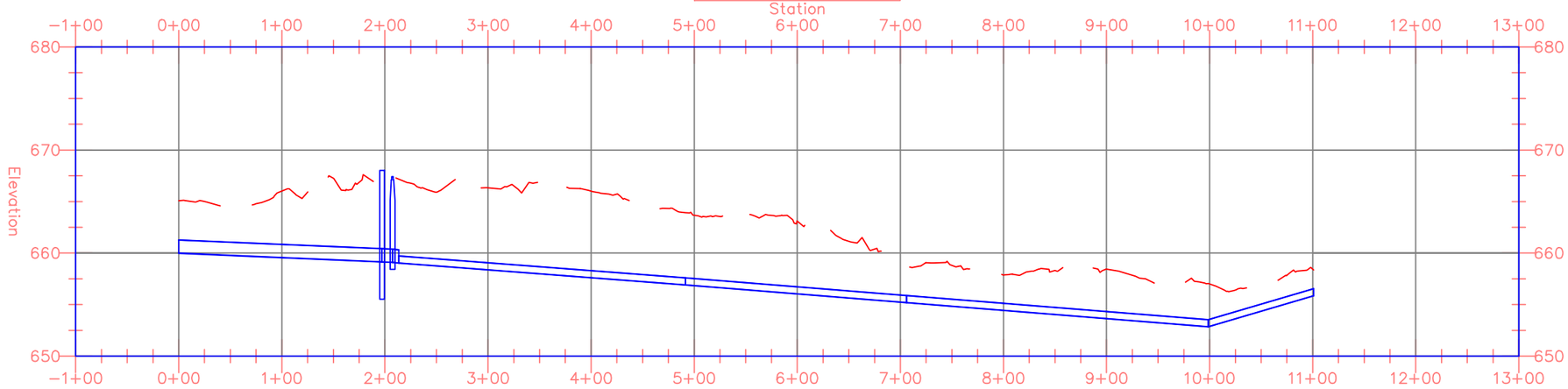
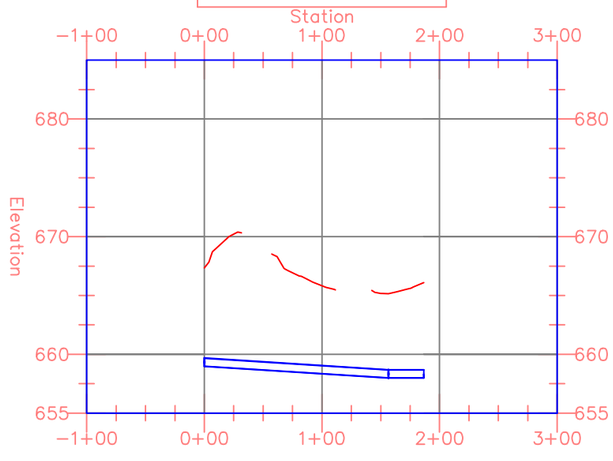
SHEET: 2

SHEET NO. 2 OF 8

Mainline PROFILE



Lateral 1 PROFILE



Pipe Profile

Lance Horning
Engineering
Corvallis, OR 97333
(509) 595-8990

DESIGNED BY:
DRAWN BY:
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APPROVED BY:
REVISED BY:
SCALE:
DATE:
REVISED DATE:

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Walla Walla Basin Watershed Council

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SHEET: 3

SHEET NO. 3 OF 8

Plan View

Open Ditch

Lance Horning
Engineering
Corvallis, OR 97333
(509) 595-8990

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REVISED DATE:

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Walla Walla Basin Watershed Council

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SHEET: 4

SHEET NO. 4 OF 8

Detail 1

Diversion

Lance Horning
Engineering
Corvallis, OR 97333
(509) 595–8990

DESIGNED BY:
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DATE:
REVISED DATE:

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Walla Walla Basin Watershed Council

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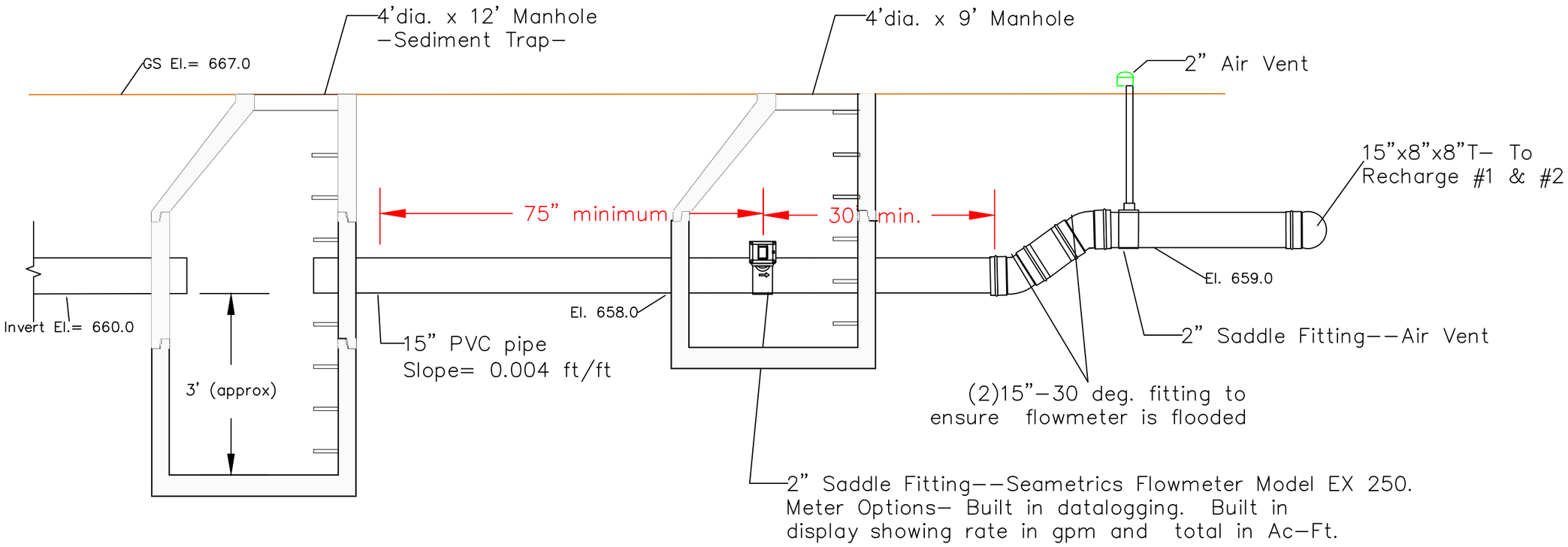
SHEET: 5

SHEET NO. 5 OF 8

Flowmeter Vault



Details 2
Flowmeter Vault

Lance Horning
Engineering
Corvallis, OR 97333
(509) 595–8990

DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:
REVISED BY:
SCALE:
DATE:
REVISED DATE:

Last Chance Road Recharge Project
Walla Walla Basin Watershed Council

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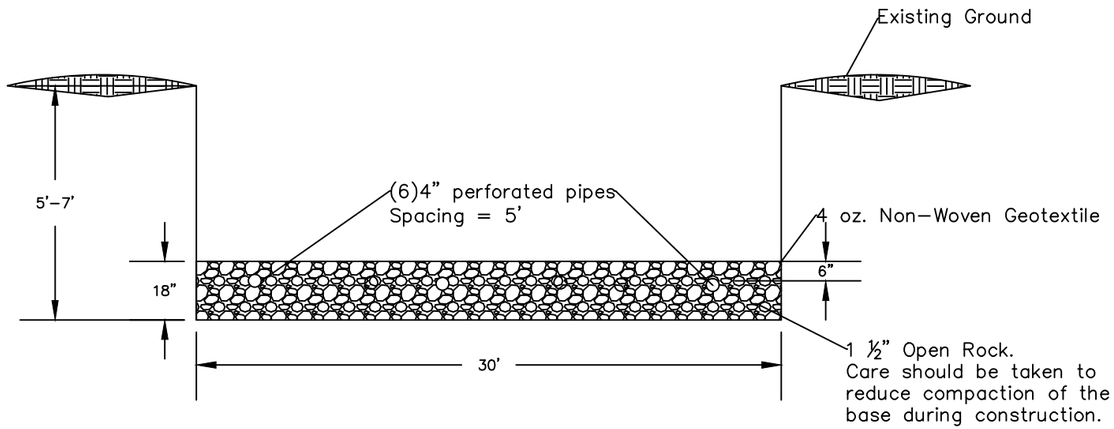
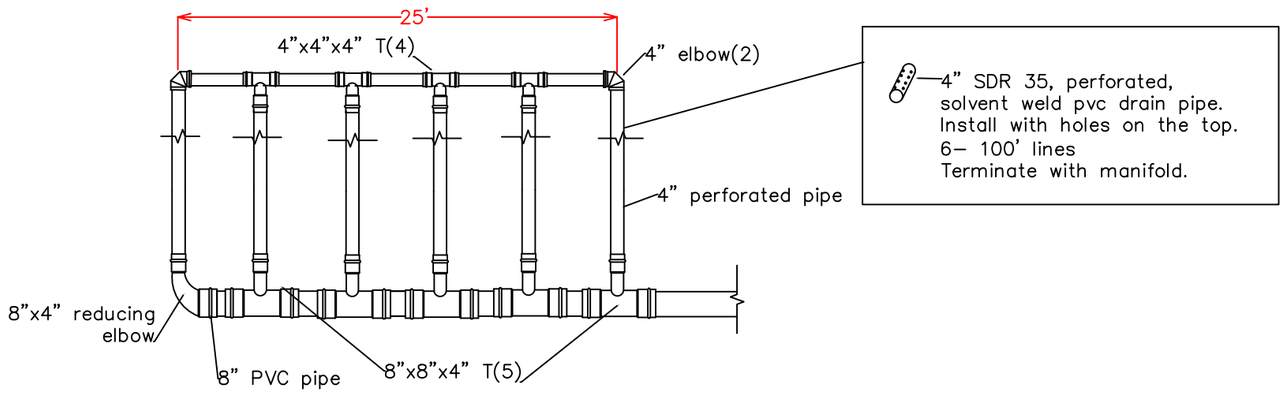
SHEET: 6

SHEET NO. 6 OF 8

Recharge Area





Recharge Manifold

Details 3
Recharge Piping Detail

Lance Horning
Engineering
Corvallis, OR 97333
(509) 595–8990

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APPROVED BY:
REVISED BY:
SCALE:
DATE:
REVISED DATE:

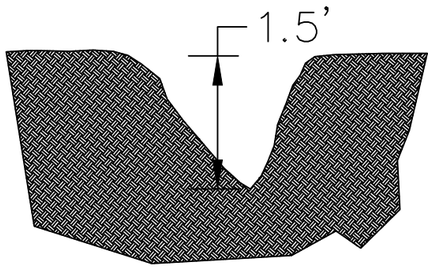
Last Chance Road Recharge Project
Walla Walla Basin Watershed Council

SIGNATURE: _____

SHEET: 7

SHEET NO. 7 OF 8

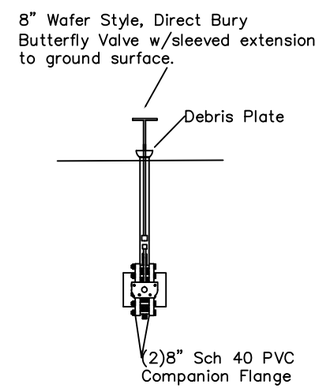
Open Ditch



Open Ditch:

1) The ditch shall be constructed in native soils.
2) The ditch shall be V-shaped with 1:1 side slopes (maximum).
3) The ditch shall have a general slope of 0.008 ft/ft.
4) Field staking shall take precedence over drawings for alignment and depth.

Butterfly Valve



Trench Detail

Construction Notes

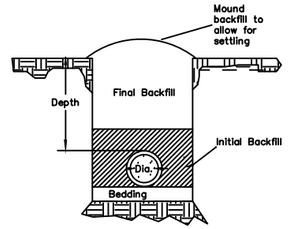
1) Bedding shall be used on foundations containing materials larger than ¾" inch.

2) The initial backfill material shall consist of soil or granular material that is free from rocks greater than ¾" in diamter.

3) The final backfill shall be free from material larger than 3 inches.

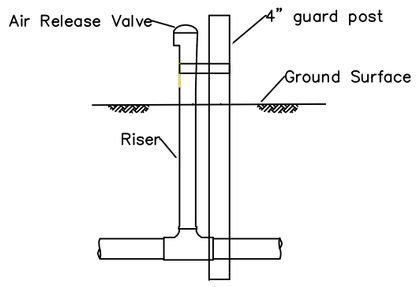
4) All exposed pipe and pipe within 12 inches of the ground surface shall be galvanized.

5) Pipe will be installed with no reverse grades unless unavoidable.

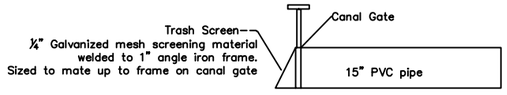


Pipe Specifications:
Diameter (Dia.) = 15"& 8" PVC
Min. Pressure Rating 80 psi

Drawing is not to Scale.



Air Vent



Trash Screen

Detail 4
Miscellaneous

Lance Horning
Engineering
Corvallis, OR 97333
(509) 595-8990

DESIGNED BY:
DRAWN BY:
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APPROVED BY:
REVISED BY:
SCALE:
DATE:
REVISED DATE:

Last Chance Road Recharge Project
Walla Walla Basin Watershed Council

SIGNATURE:

SHEET: 8

SHEET NO. 8 OF 8