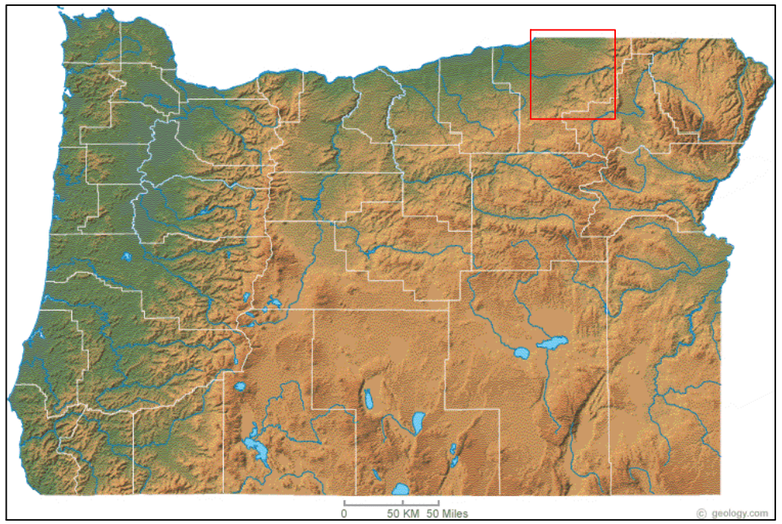


LOCATION MAP

Locust Road
Shallow Aquifer Recharge Project
Walla Walla Basin Watershed Council

INDEX OF DRAWINGS

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

Oregon 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: 1-800-332-2344

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

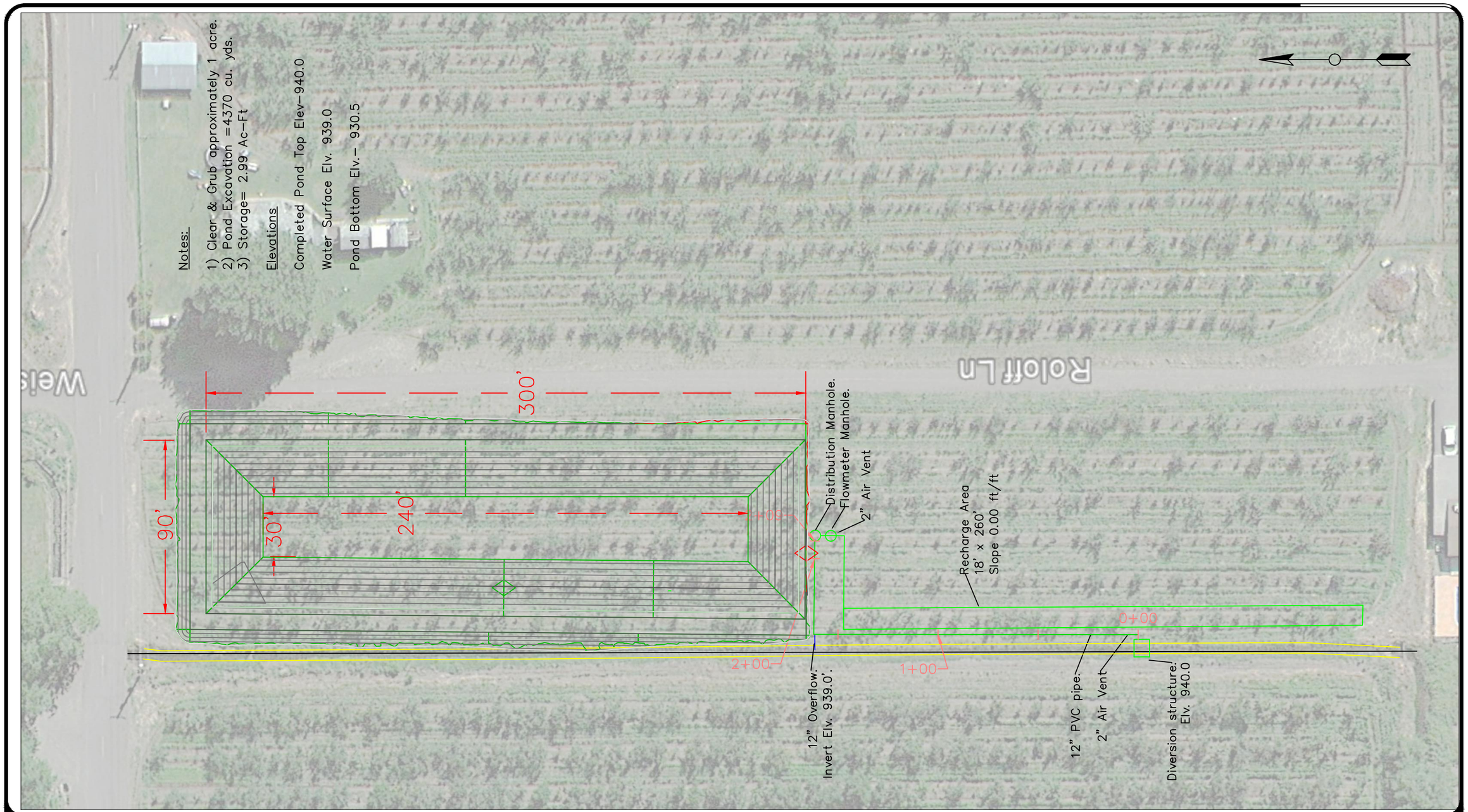
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:
REVISED BY:
SCALE:
DATE:
REVISED DATE:

Locust Road Shallow Aquifer Recharge Project
Walla Walla Basin Watershed Council
Milton Freewater, OR

SIGNATURE: _____

SHEET: 1

SHEET NO. 1 OF 7



Plan View

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

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APPROVED BY: _____
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Milton Freewater, OR

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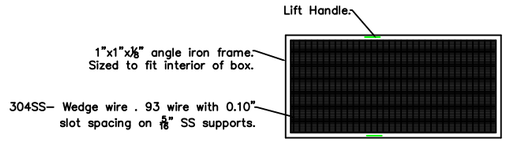
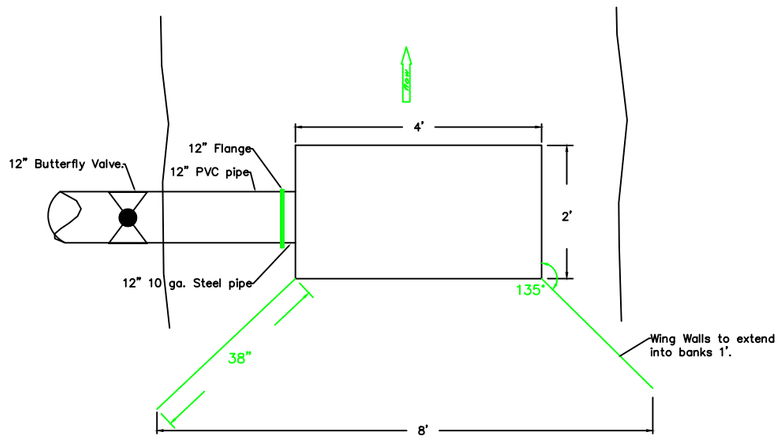
SHEET: 2

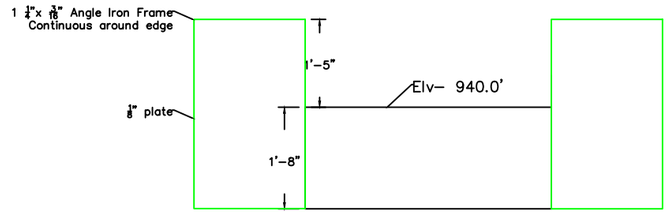
SHEET NO. 2 OF 7



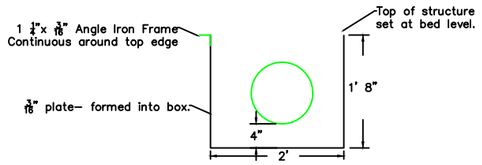
Screen



Intake Box– Plan



Intake Box– Section



Intake Box– Section

Notes

Intake Box shall be cleaned and painted with 2 coats of paint.

Control Structure

Details 1

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Engineering
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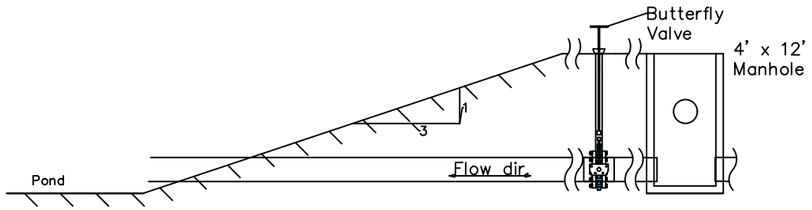
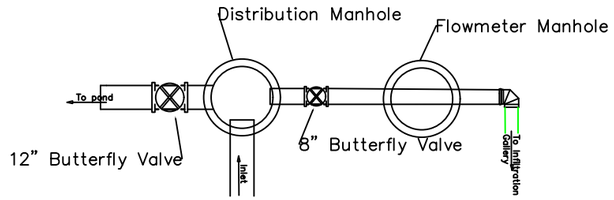
SHEET: 3

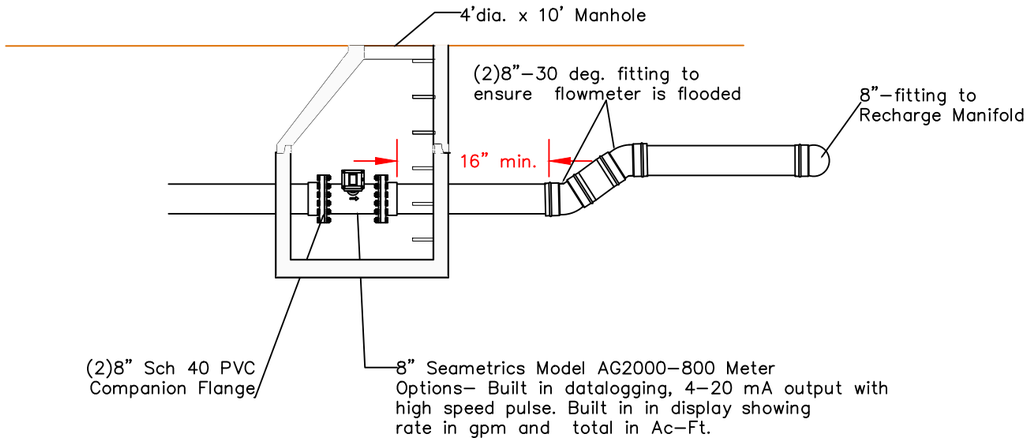
SHEET NO. 3 OF 7



Pond Embankment



Manhole Plan



Flowmeter Vault

Details 2

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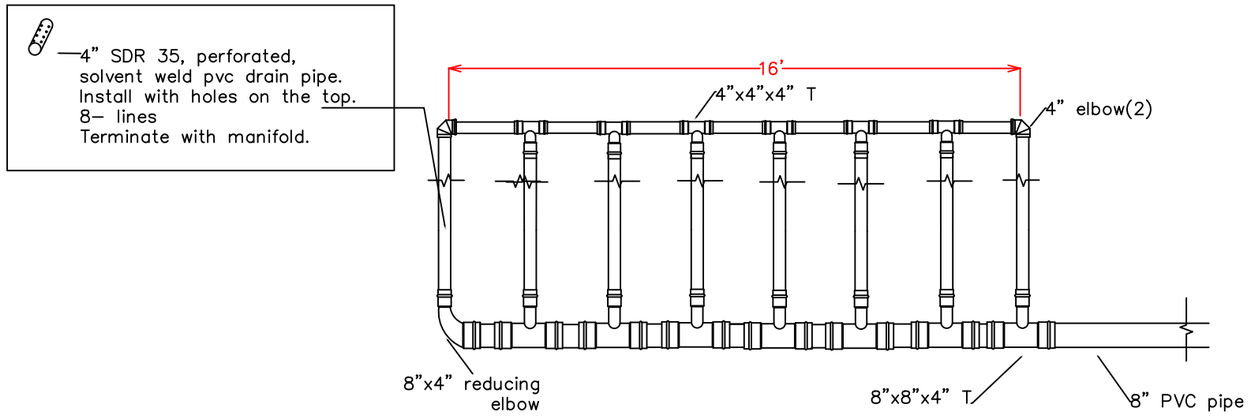
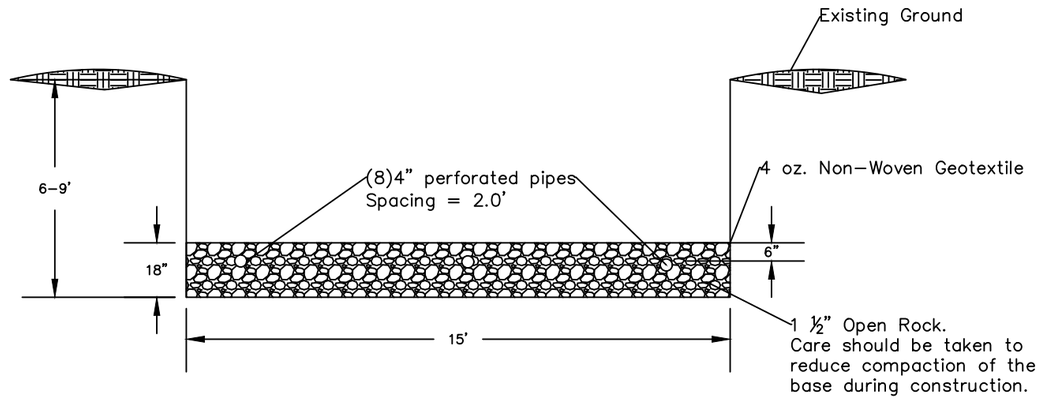
SHEET: 4

SHEET NO. 4 OF 7



Recharge Manifold



Recharge Area– Trench

Details 3

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Engineering
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REVISED DATE:

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Walla Walla Basin Watershed Council
Milton Freewater, OR

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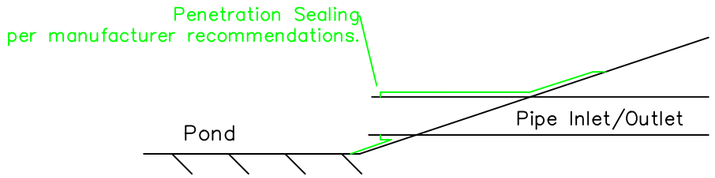
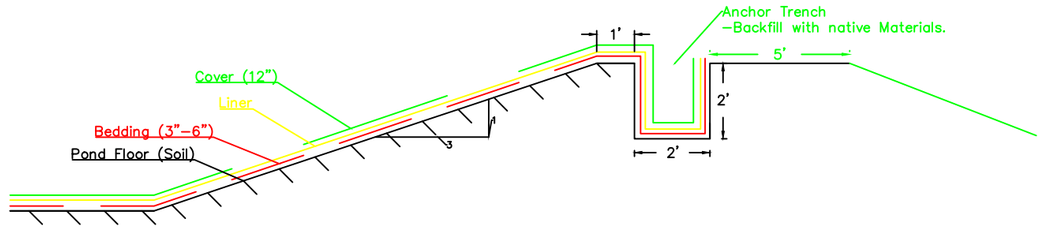
SHEET: 5

SHEET NO. 5 OF 7



Typical Liner Penetration



Liner Details

Liner Details:

1. Remove organic materials.
2. Excavate to staked despth.
3. Grade side slopes to 3:1(or flatter).
4. If sharp materials are present in sub-grade materials bedding shall be installed. Project manager shall determine if bedding is required.
5. Liner shall be HDPE 40 mil (minimum). Liner size shall be determined after sub-grade is completed.
6. Install liner to manufacturer's recommendations.

Details 4

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

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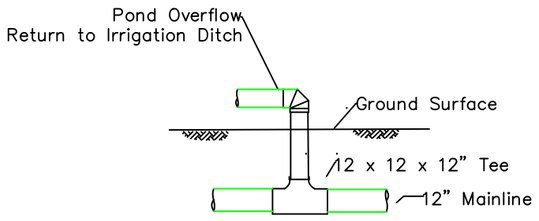
CHECKED BY: _____
APPROVED BY: _____
REVISED BY: _____
SCALE: _____
DATE: _____
REVISED DATE: _____

Locust Road Shallow Aquifer Recharge Project
Walla Walla Basin Watershed Council
Milton Freewater, OR

SIGNATURE: _____

SHEET: 6
SHEET NO. 6 OF 7



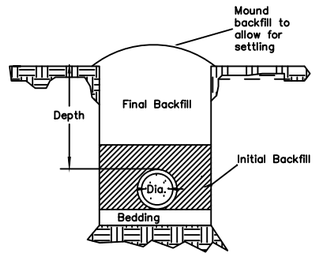
Pond Overflow

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.

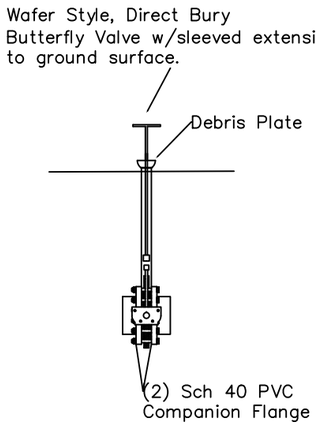
3) The final backfill shall be free from material larger than 3 inches.



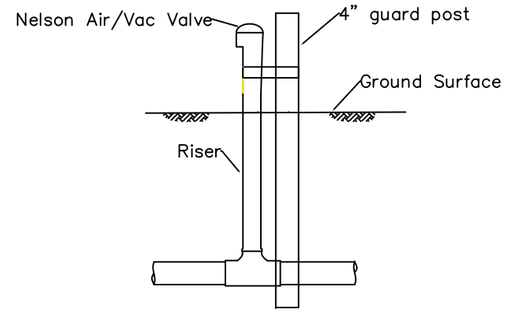
Pipe Specifications:
Diameter (Dia.) = 4", 8" & 12" PVC
Min. Pressure Rating 80 psi or SDR 35 as called out.
Minimum Burial= 3'

Drawing is not to Scale.

Trench Detail



Butterfly Valve



Air Vent

Details 5

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