

# Sunridge Water System Construction Standard

## General Notes:

- 1– This Sunridge Water System Construction Standard is the Property of Sunridge Property Owners Association and shall not be reproduced or copied in any manner without Board Approval.
- 2– This Sunridge Water System Construction Standard was approved by the Sunridge Property Owners Association Board of Directors on April 4, 2018.
- 3– This Sunridge Water System Construction Standard applies to all new construction associated with the Sunridge Property Owners Association Water System.

## Utah Division of Drinking Water Notes:

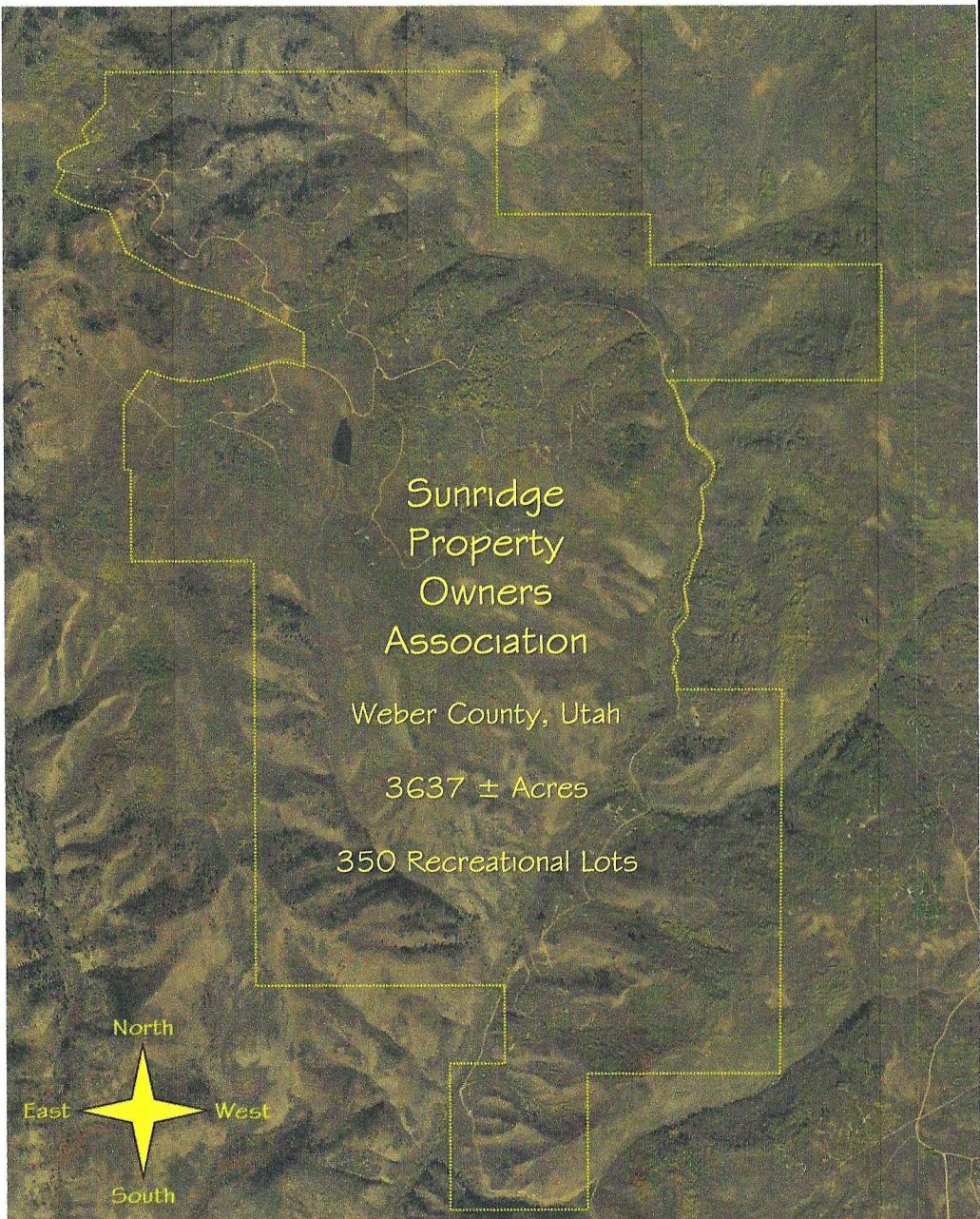
- 1– Utah Division of Drinking Water Identification Number is 29108.
- 2– Sunridge Water System Engineer is E. Allan Dalpias, P.E., Dalpias Engineering
- 3– Sunridge Water System Operator is Carl Frazier, High Country Excavation
- 4– All new construction to the Sunridge Property Owners Association Water System shall comply with Utah Division of Drinking Water Rule 309.

## Compliance:

- 1– All new construction to the Sunridge Property Owners Association Water System shall comply with the following:
  - a. All new or replaced Water Mains shall be 4-inch minimum diameter.
  - b. All new or replaced Water Mains shall be placed a minimum of 48-inches below grade.
  - c. All provisions contained in this Water System Standard apply. Any deviation to this standard must be approved the Sunridge Water System Engineer.
- 2– All Contractors performing work on the Sunridge Property Owners Association Water System must be approved the Sunridge Property Owners Association Board of Directors.
- 3– All Material utilized on the Sunridge Property Owners Association Water System must be as specified in this standard and installed as per Manufacturer's directions unless otherwise approved by the Sunridge Water System Engineer.
  - a. POLYVINYL CHLORINE (PVC) PIPE: Conform to all requirements of AWWA C900, Polyvinyl Chloride (PVC) Pressure Pipe, 4 inch through 8-inch for Water. Pipe shall be extruded from clean Type I Grade I Class 12454-B PVC compound conforming to ASTM Resin Specification D-1784 and AWWA C 909, Rigid Poly (vinyl chloride) Pressure Pipe 4" through 8" for water. Pressure Class shall be 200 psi with a minimum Dimension Ratio (DR) of 14. Pipe and fittings shall be furnished with integrally thickened bell and spigot ends for joining with a solid, uniform cross-sectional elastomeric gasket as the sealing element.
  - b. GATE VALVES: Valves shall be resilient seated with iron body. Valves shall have minimum working pressure rating of 200 psi. Valves shall be non-rising stem. Valves shall meet the requirements of AWWA Specification 509. All valves shall turn clockwise to close. The operating nut shall be a 2-inch square AWWA nut. Double O-ring stem seal. Epoxy coated inside and outside conforming to AWWA C 550.
  - c. NATIVE MATERIAL: Native material shall be sound, earthen material free of debris.
  - d. OTHER: As shown on Sunridge Water System Details, Sheet 3.

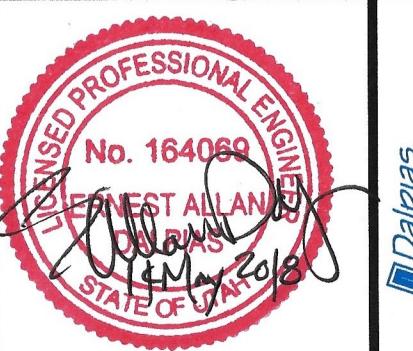
## Abbreviations:

- ASTM – American Society for Testing and Materials  
AWWA – American Water Works Association



## Standard Index:

- Sheet 1 - Cover Sheet and General Notes  
Sheet 2 - Sunridge Water System Map & Inventory  
Sheet 3 - Sunridge Water System Details



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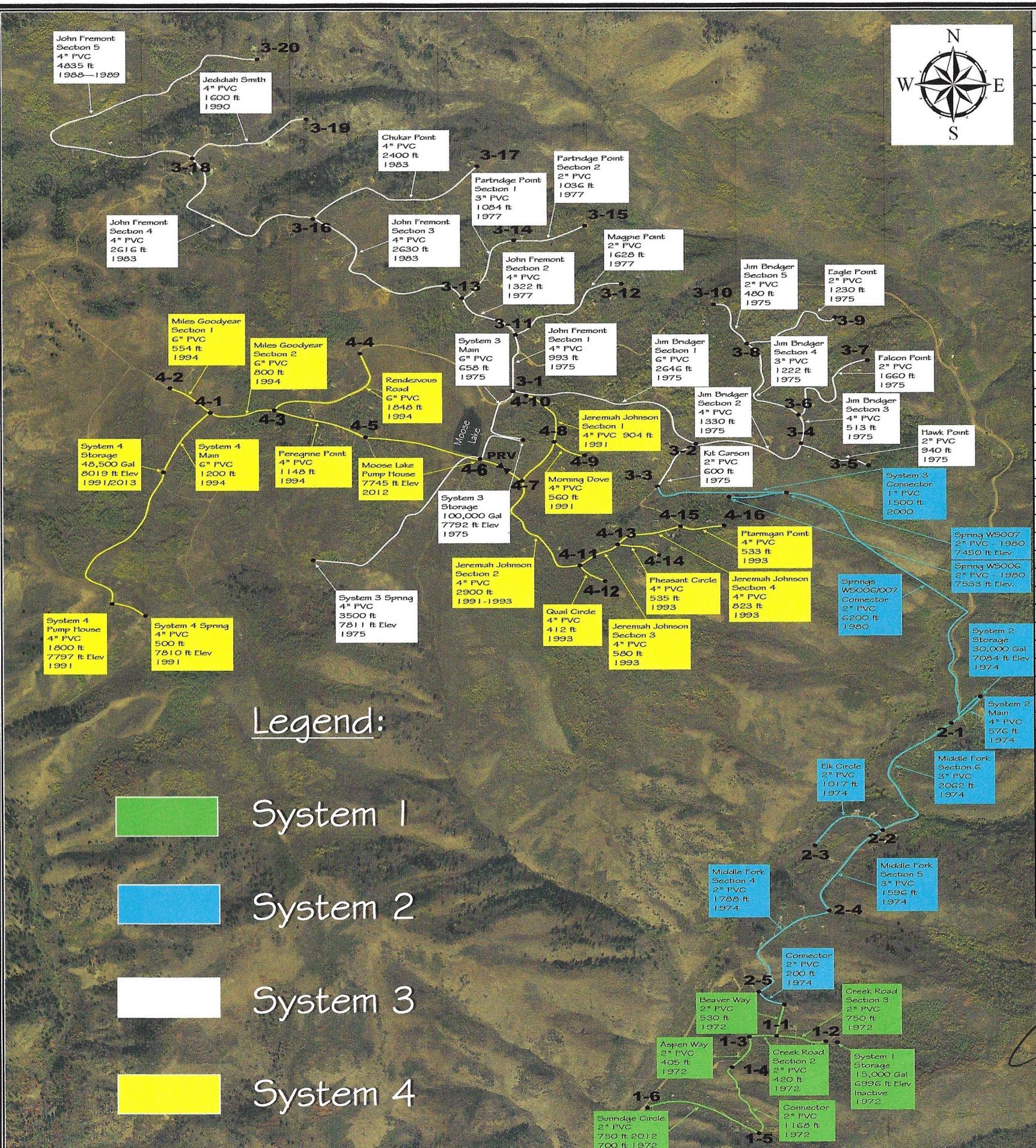
Sunridge Property Owners Association

Cover Sheet & General Notes

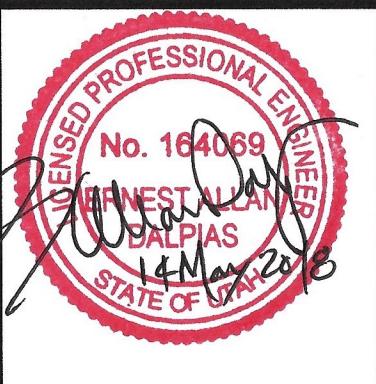
April 2018

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Water Main Section	Start Point	End Point	6" PVC	4" PVC	3" PVC	2" PVC	1" PVC	Year Built
Sunridge Circle	1-6	1-5					1437	1972
Connector	1-5	1-4					1168	1972
Aspen Way	1-4	1-3					405	1972
Creek Road Section 2	1-3	1-1					420	1972
Creek Road Section 3	1-1	1-2					750	1972
Beaver Way	1-1	System 2					530	1972
System 2 Feed Line	3-3	Spring 2					1500	2000
System 2 Feed Line	Spring 2	Storage					6200	1980
System 2 Main	Storage	- 2-1					576	1974
Middle Fork Drive Section 4	2-5	2-4					1788	1974
Middle Fork Drive Section 5	2-4	2-2					1596	1974
Middle Fork Drive Section 6	2-2	2-1					2062	1974
Elk Circle	2-2	2-3					1017	1974
System 3 Feed Line	Spring 3	Storage					3500	1975
System 3 Main	Storage	3-1					667	1975
Jim Bridger Section 1	3-1	3-2					2646	1975
Jim Bridger Section 2	3-2	3-4					1330	1975
Jim Bridger Section 3	3-4	3-6					513	1975
Jim Bridger Section 4	3-6	3-8					1222	1975
Jim Bridger Section 5	3-8	3-10					480	1975
Kit Carson	3-2	3-3					600	1975
Hawk Point	3-4	3-5					940	1975
Falcon Point	3-6	3-7					1660	1975
Eagle Point	3-8	3-9					1230	1975
John Fremont Section 1	3-1	3-11					993	1975
John Fremont Section 2	3-11	3-13					1322	1977
John Fremont Section 3	3-13	3-16					2630	1983
John Fremont Section 4	3-16	3-18					2616	1983
John Fremont Section 5	3-18	3-20					4835	1988
Magpie Point	3-11	3-12					1628	1977
Partridge Point Section 1	3-13	3-14					1084	1977
Partridge Point Section 2	3-14	3-15					1036	1977
Chukar Point	3-16	3-17					2400	1983
Jedidiah Smith	3-18	3-19					1600	1990
System 4 Feed Line	Spring 4	Storage					2300	1991
System 4 Main	Storage	4-1	1200					1991
Jeremiah Johnson Section 1	4-10	4-8					904	1991
Jeremiah Johnson Section 2	4-8	4-11					2900	1991
Jeremiah Johnson Section 3	4-11	4-13					580	1993
Jeremiah Johnson Section 4	4-13	4-15					823	1993
Morning Dove	4-8	4-9					560	1991
Quail Circle	4-11	4-10					412	1993
Pheasant Circle	4-13	4-14					535	1993
Ptarmigan Point	4-15	4-16					533	1993
Miles Goodyear Section 1	4-2	4-1	554					1994
Miles Goodyear Section 2	4-1	4-3	800					1994
Rendezvous Road	4-3	4-4	1848					1994
Peregrine Point	4-3	4-5	1145					1994
Connector	4-5	4-7	1700					1991



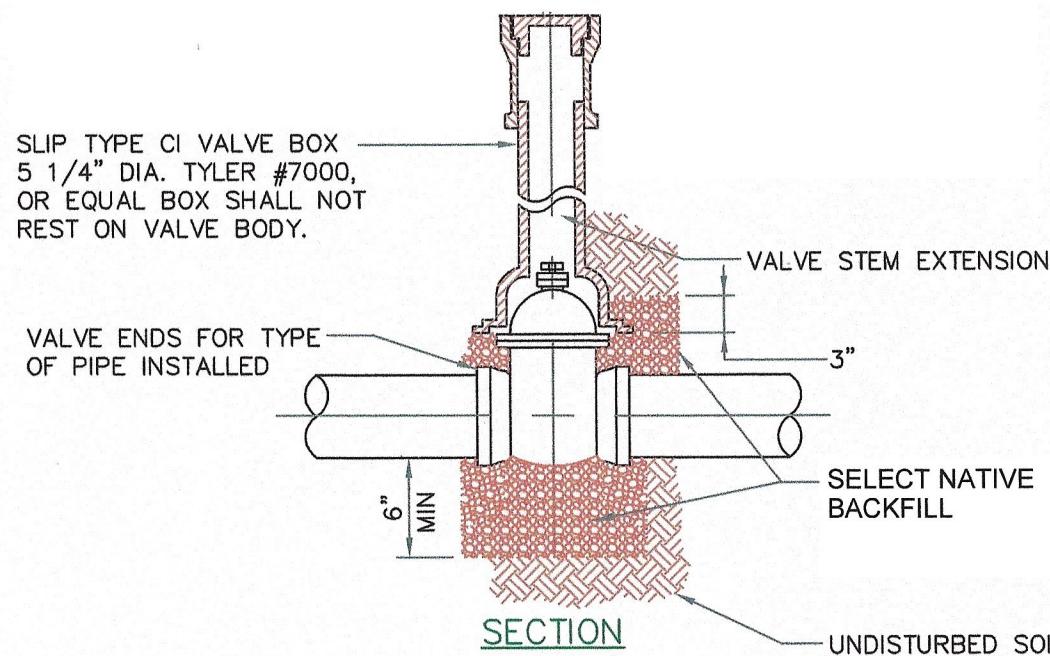
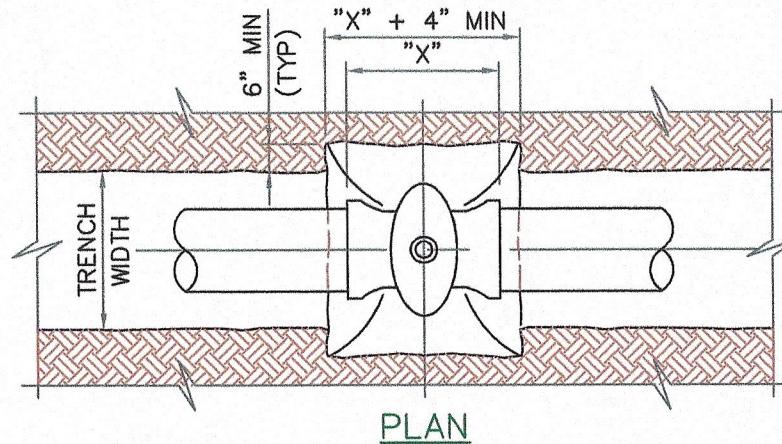
Dalpias  
Engineering



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Water System Map & Inventory  
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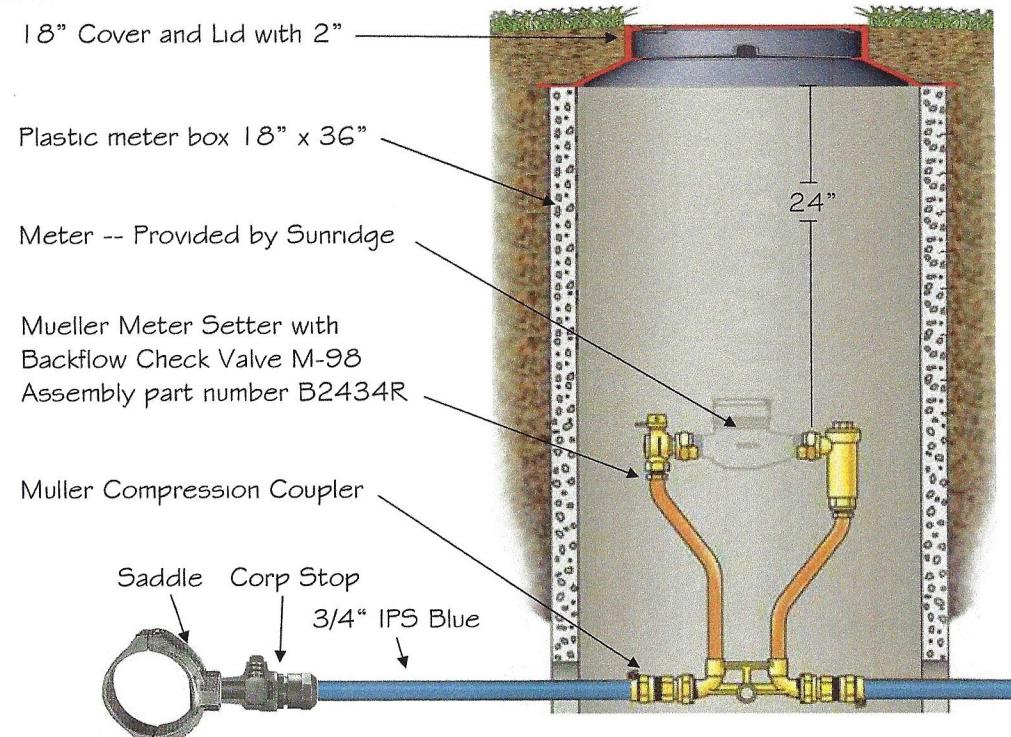


## Gate Valve Detail

Not to Scale

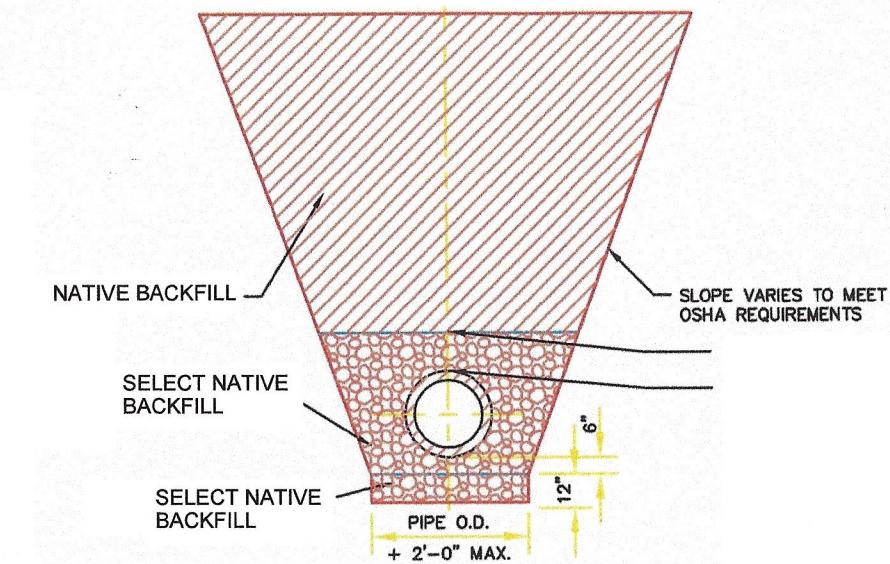
Notes:

- 1 - Caution: When this check valve is used, it creates a closed system. A pressure relief valve must be installed to protect against pressure build up caused by water expansion from a domestic hot water heater or boiler.
- 2- All Fittings must be brass.
- 3- No galvanized, no street elbows, and no PVC pipe.
- 4- Yard hydrants must be 4' buried Iowa Hydrants.
- 5- All Water work must be done by board approved contractor.
- 6- If property owner works on water lines, it must be inspected by Water Master.



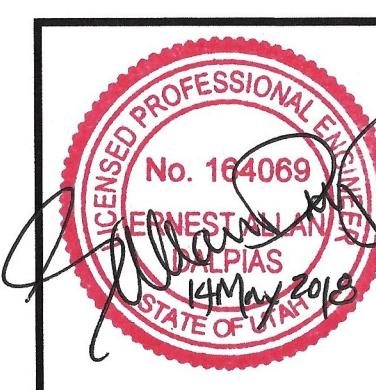
## Water Meter Set Detail

Not to Scale



## Trench Detail

Not to Scale



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## Water System Details

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