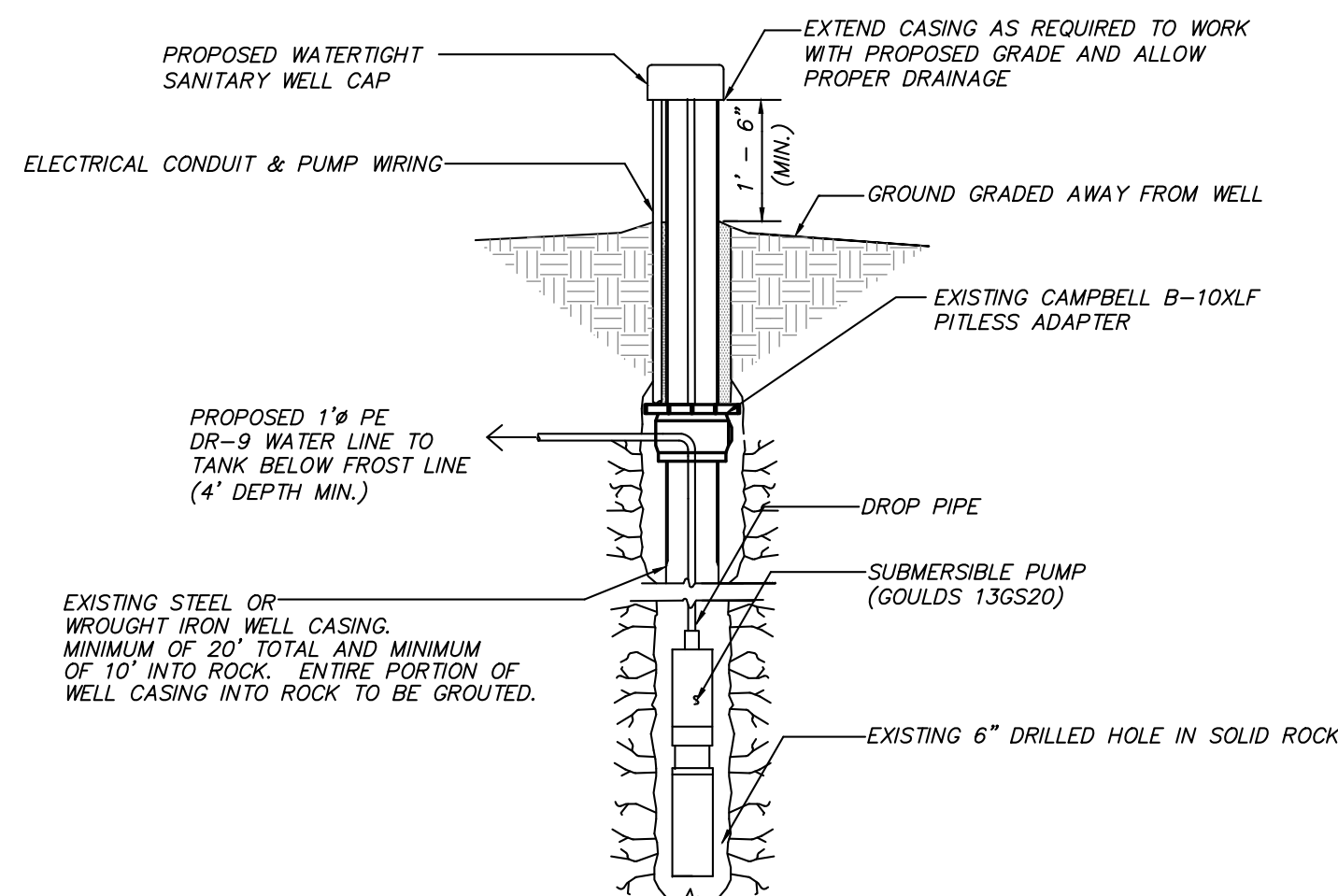


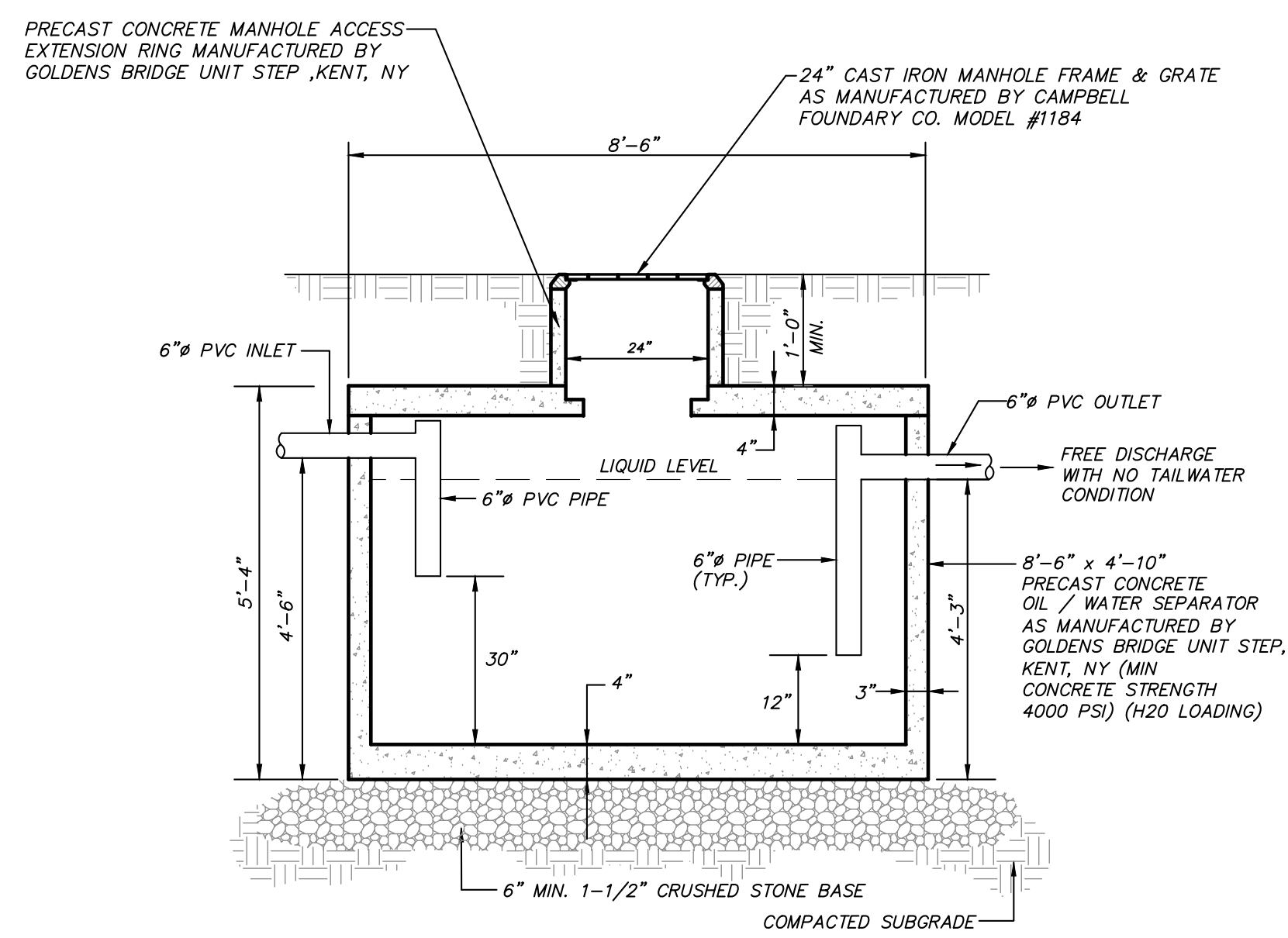
- NOTES:
1. WHEN THE 10' SEPARATION CANNOT BE MAINTAINED, THE WATER LINE SHALL BE ENCASED IN CONCRETE (SEE DETAIL) ONLY WITH PRIOR APPROVAL OF THE DESIGN ENGINEER AND DEPARTMENT OF HEALTH.
 2. THE 10' SEPARATION APPLIES TO WATER MAINS AND WATER SERVICE CONNECTIONS.

WATER LINE HORIZONTAL SEPARATION DETAIL
(N.T.S.)

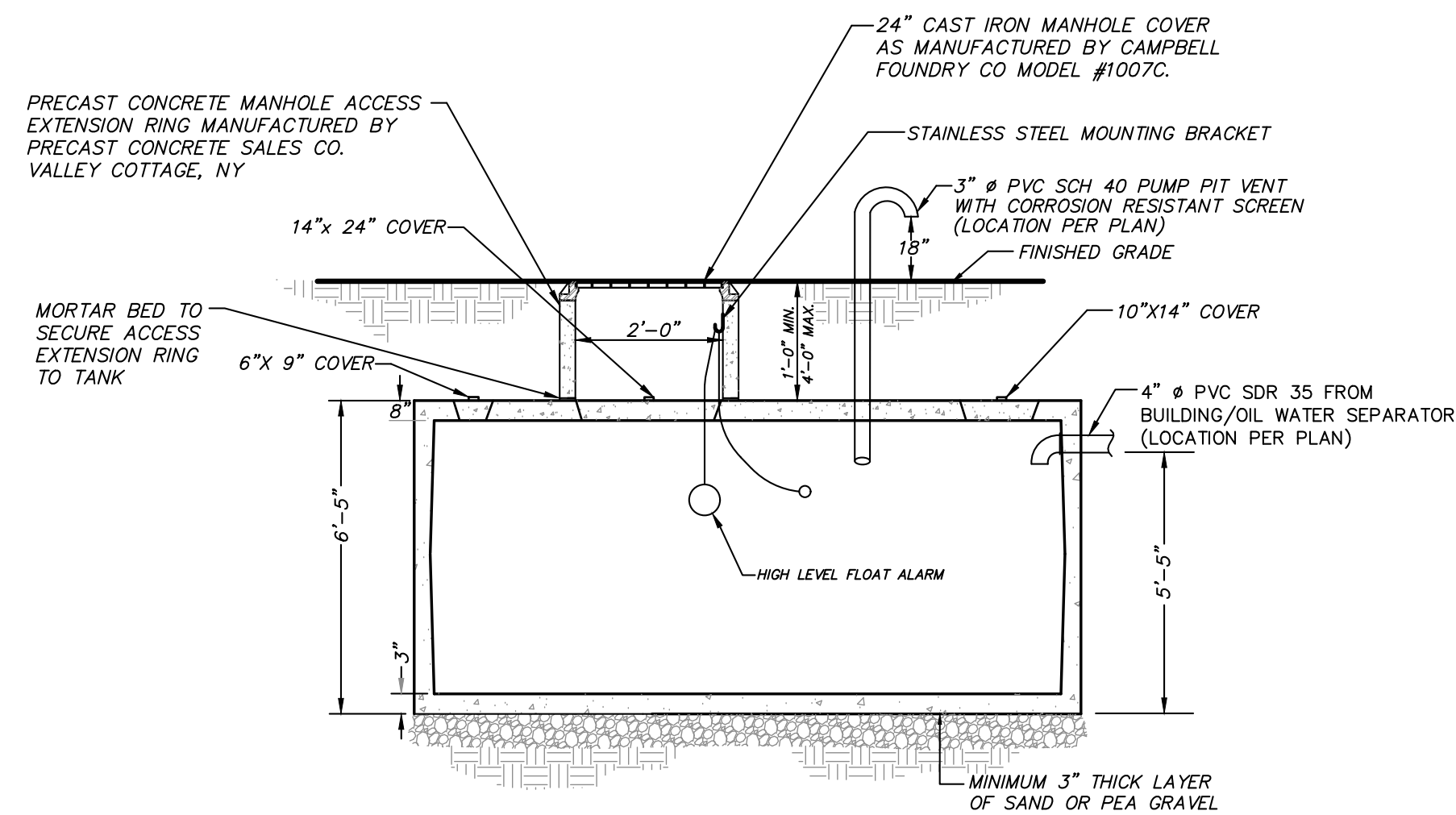
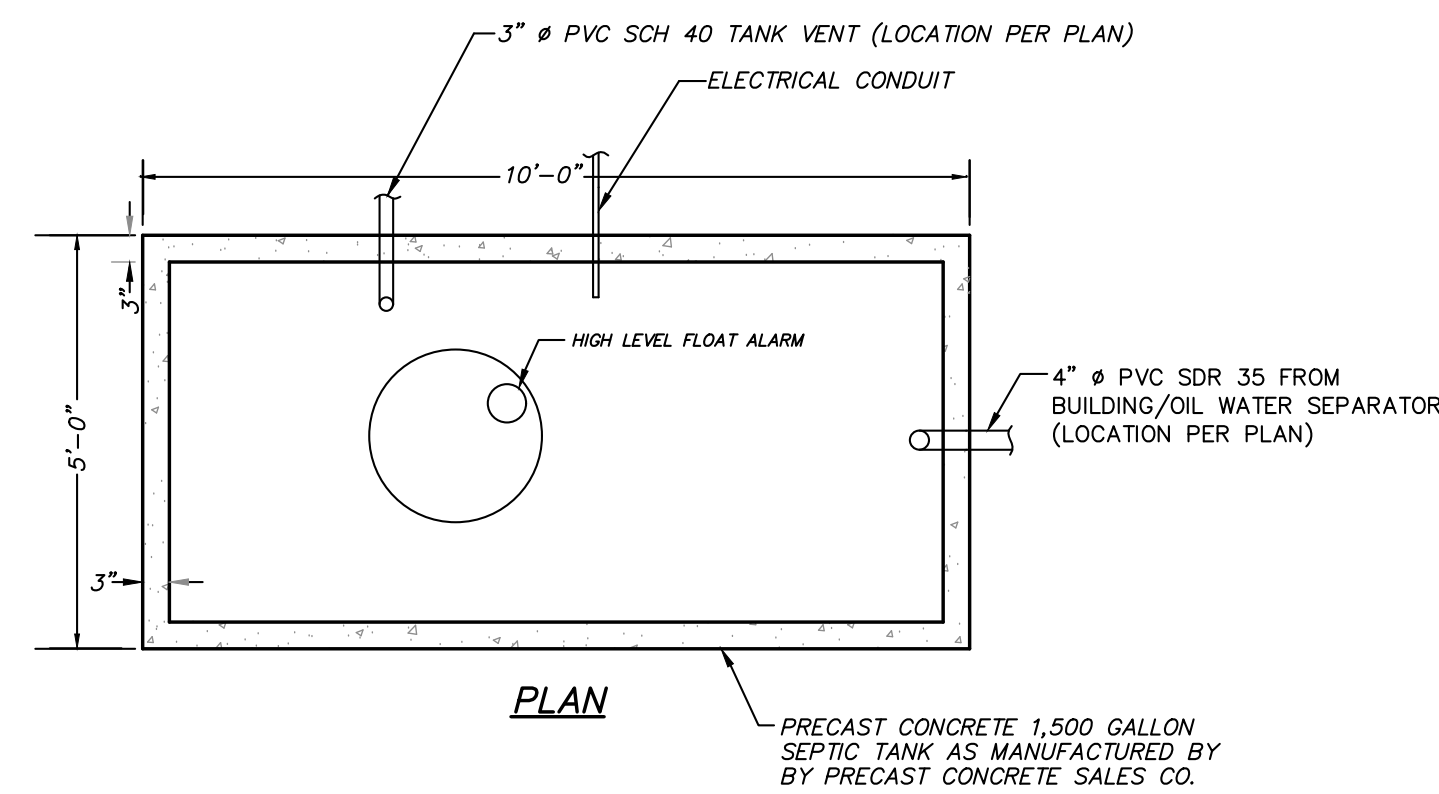


- NOTES:
1. PROVIDE SANITARY SEALS WHERE NECESSARY.
 2. MINIMUM WELL YIELD SOUGHT IS 5 GPM

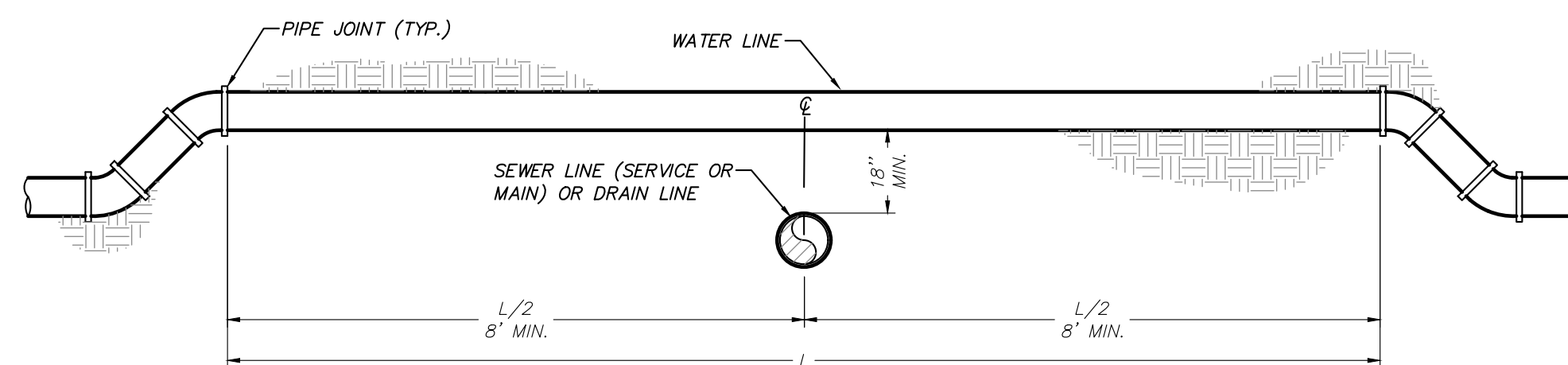
PITLESS UNIT WELL DETAIL
(N.T.S.)



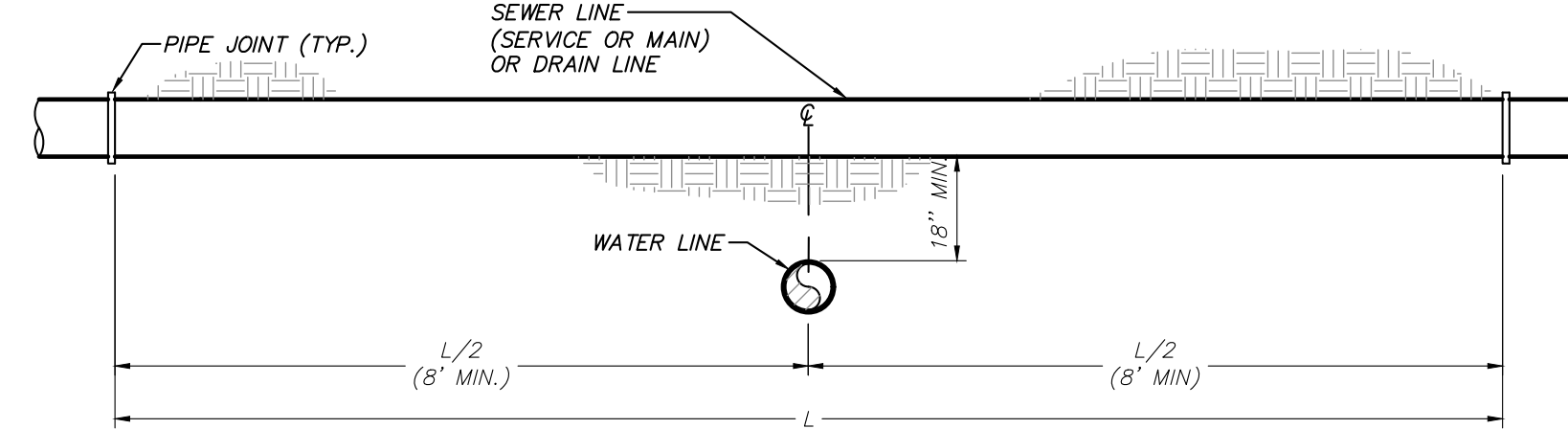
1,000 GALLON OIL/WATER SEPARATOR DETAIL
(N.T.S.)



1,500 HOLDING TANK DETAIL
(TO BE DESIGNED FOR H-20 LOADING)
(N.T.S.)



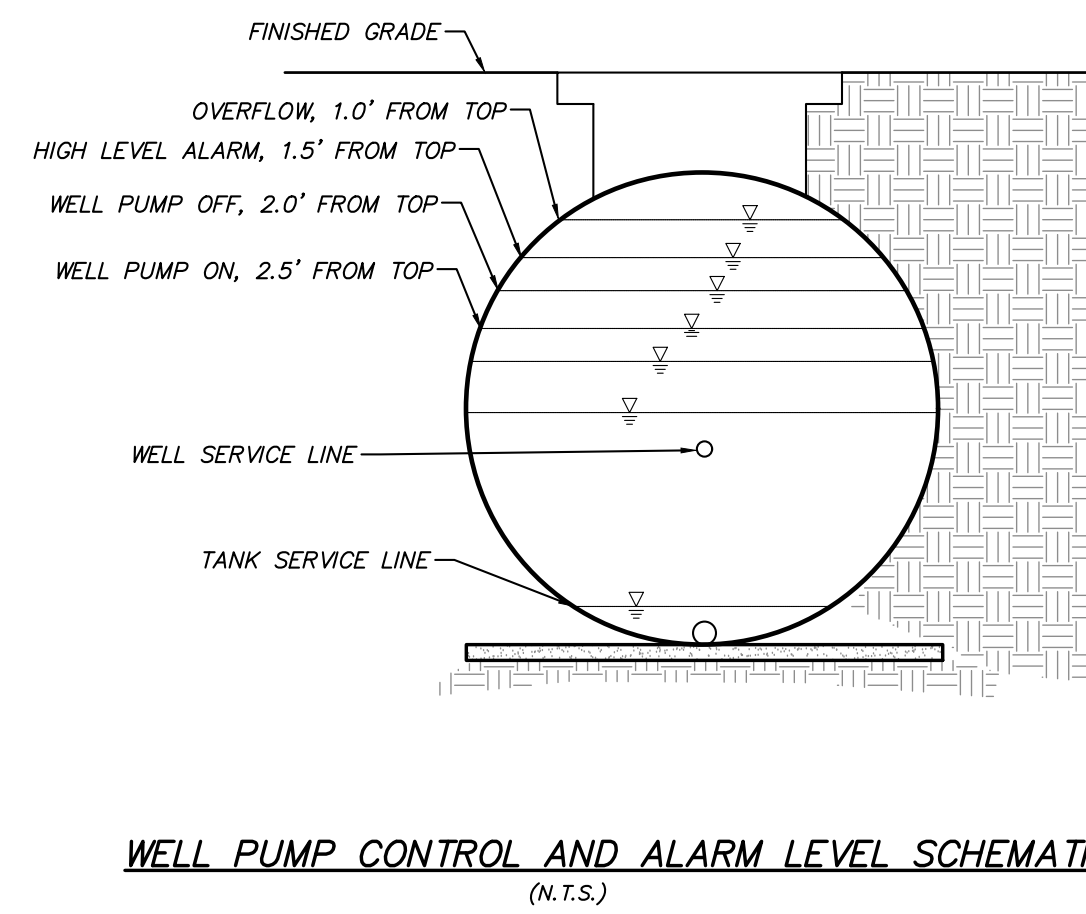
WATER LINE CROSSING OVER SANITARY SEWER LINE OR STORM DRAIN LINE



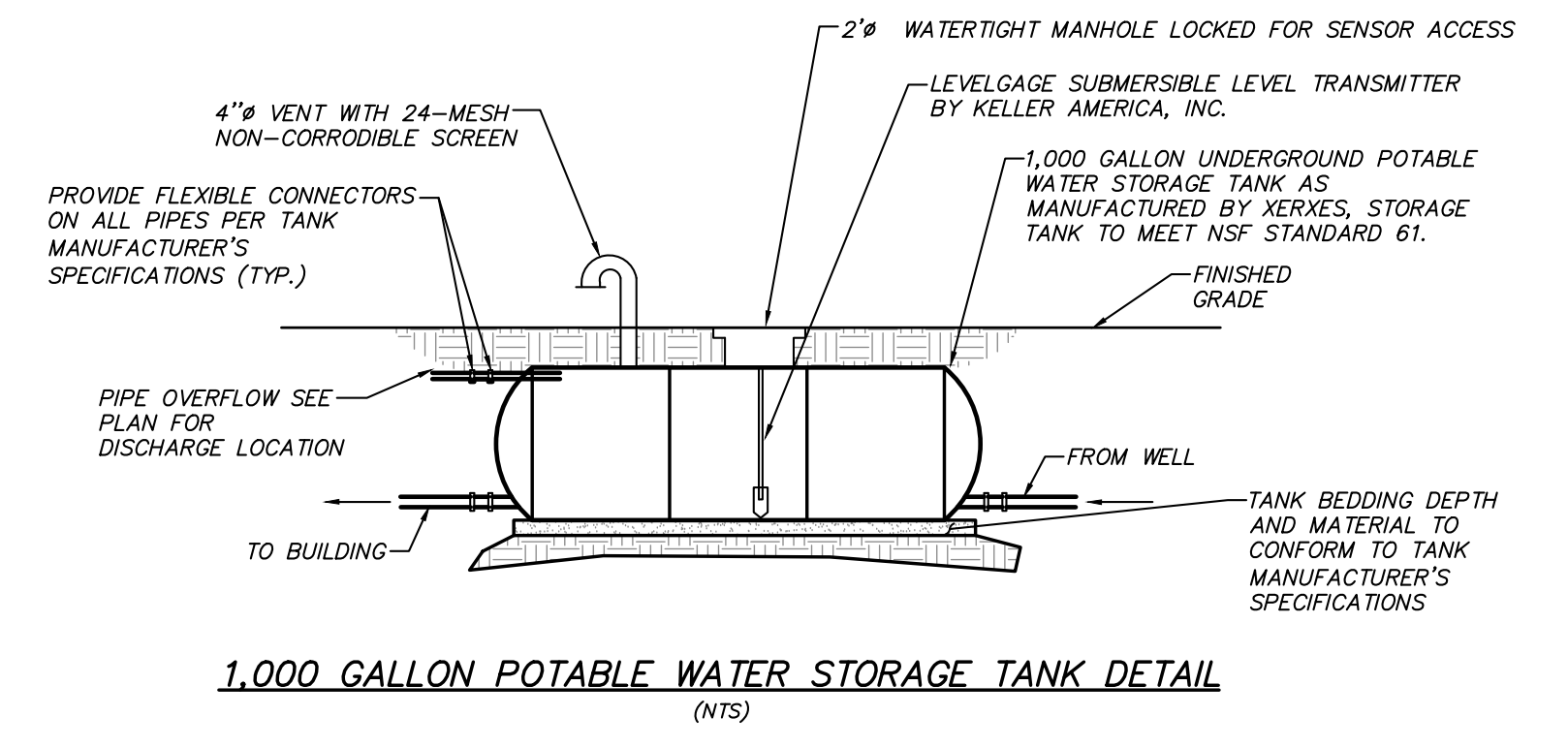
WATER LINE CROSSING UNDER SANITARY SEWER LINE OR STORM DRAIN LINE

- NOTES:
1. WHEN 18" SEPARATION CANNOT BE MAINTAINED, THE WATER LINE SHALL BE ENCASED IN CONCRETE (SEE DETAIL) ONLY WITH PRIOR APPROVAL OF THE DESIGN ENGINEER AND DEPARTMENT OF HEALTH.
 2. PROVIDE PIPE AND FITTING RESTRAINT AS REQUIRED.
 3. THE 18" SEPARATION APPLIES TO WATER MAINS AND WATER SERVICE CONNECTIONS.

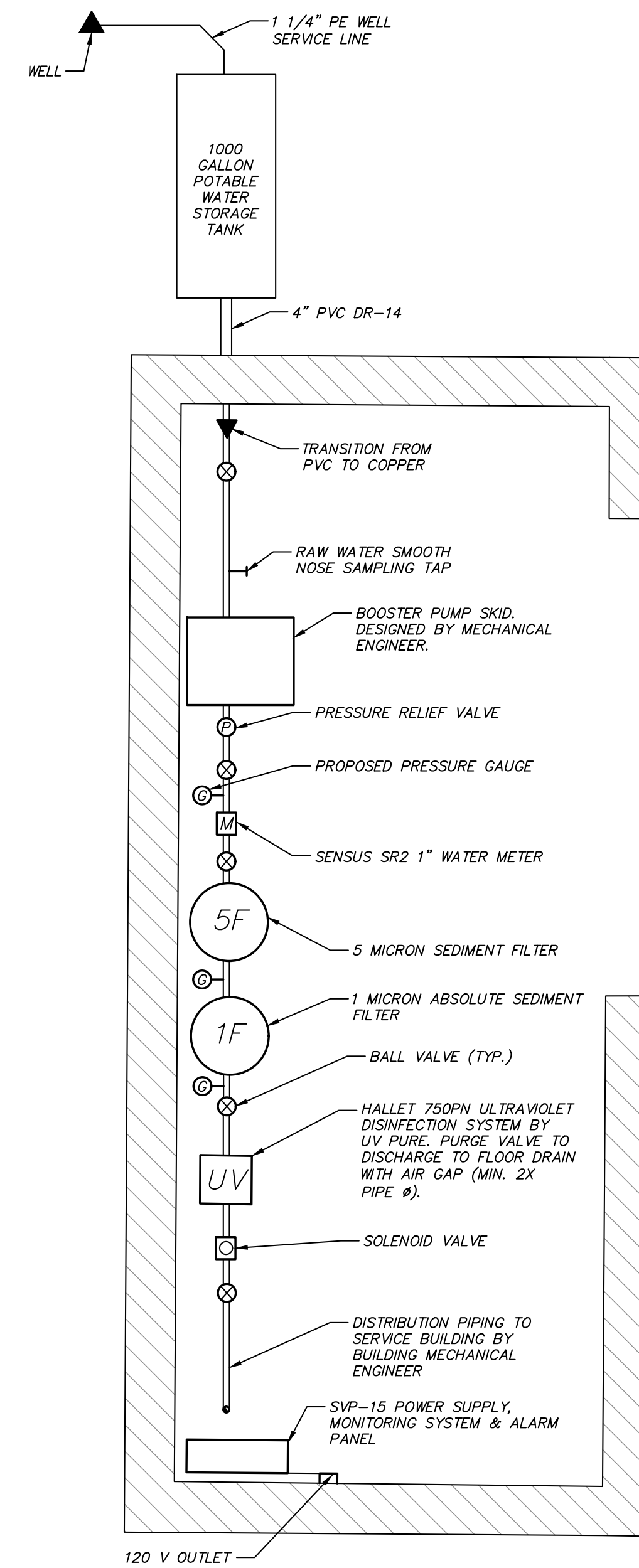
WATER LINE CROSSING DETAIL
(N.T.S.)



WELL PUMP CONTROL AND ALARM LEVEL SCHEMATIC
(N.T.S.)

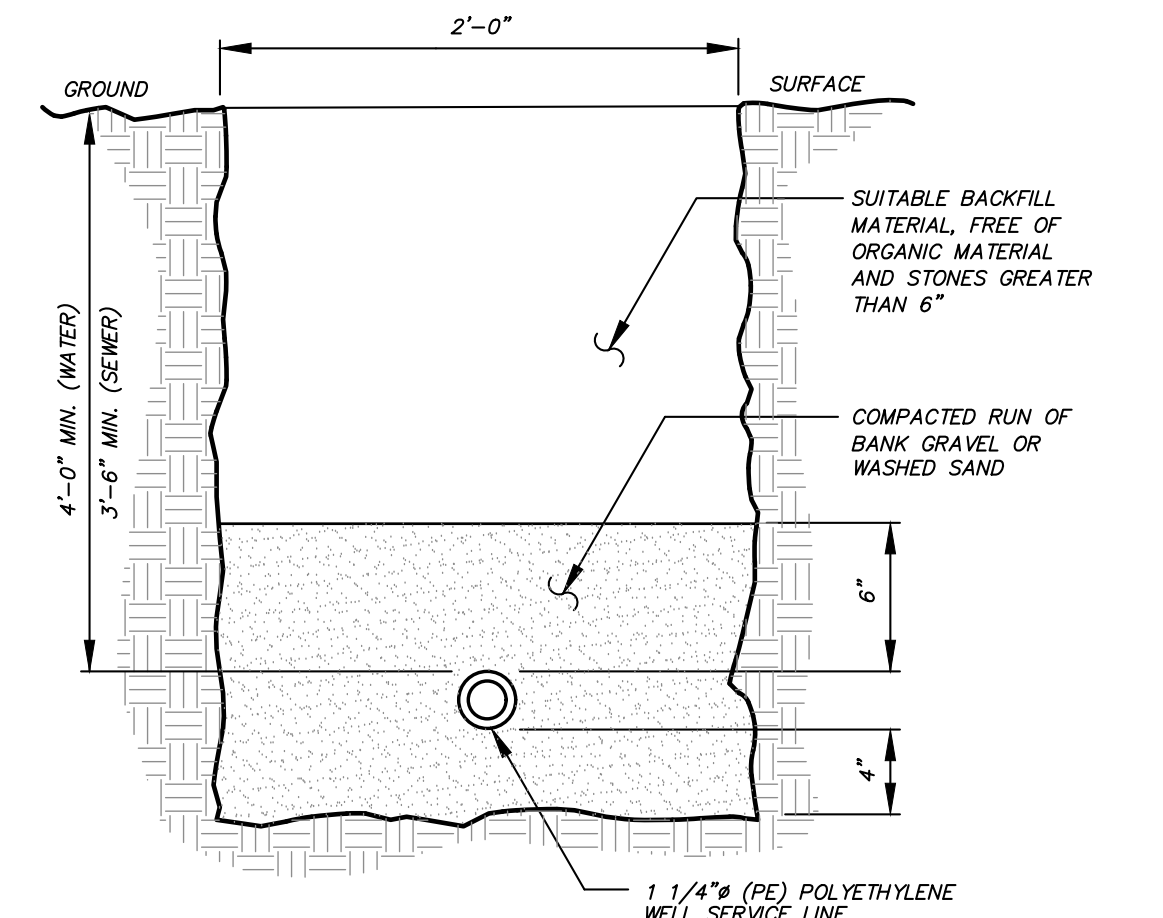


1,000 GALLON POTABLE WATER STORAGE TANK DETAIL
(N.T.S.)

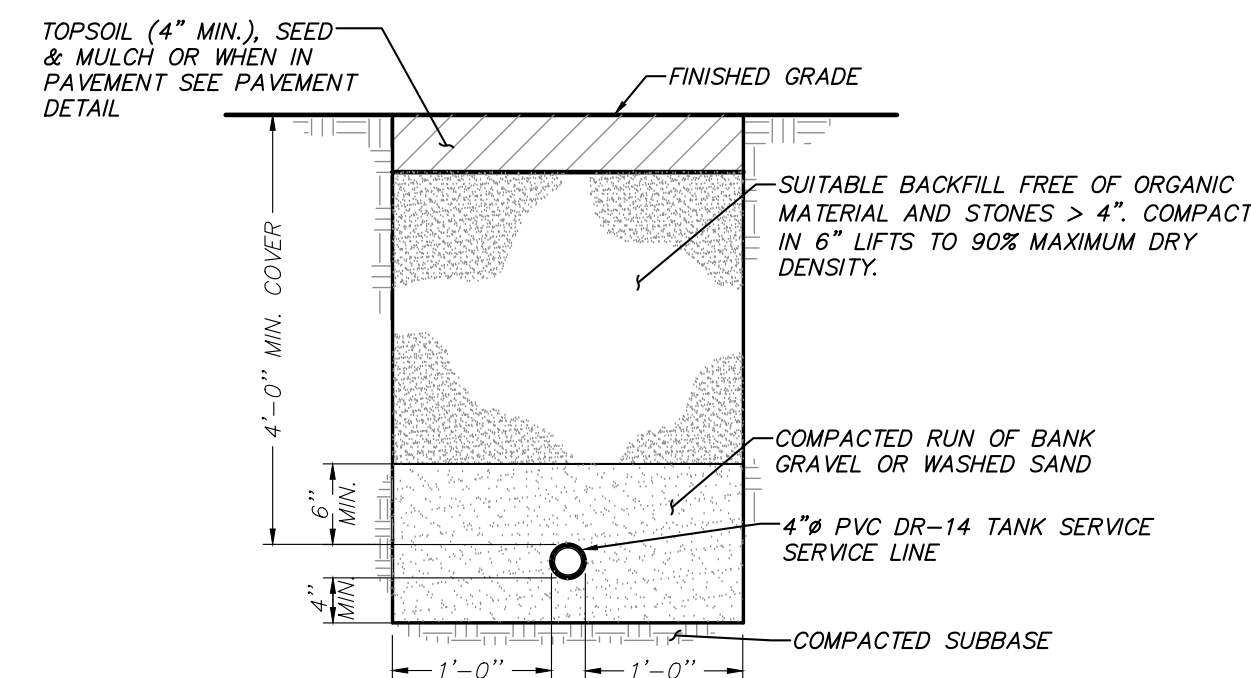


- NOTES:
1. This layout is schematic only.
 2. All components are to be installed according to manufacturer's specifications.
 3. The UV unit and all piping is to be disinfected upon completion of work in accordance with the latest revision of AWWA Standard C651-05 (except for section 4.4.2). Acceptable bacteriological results must be submitted and accepted by the Putnam County Department of Health prior to the utilization of water system.
 4. Refer to the engineer's report and manufacturer's specifications for detailed information regarding the UV system.
 5. UV System shall be model Hallett 30 by UV Pure. UV shall have a 27.4 GPM capacity, a 27.4 GPM flow restrictor, intensity meter and solenoid valve with automatic shutoff when required intensity is not met. The UV bulb shall be replaced once a year at a minimum. a spare bulb shall be provided.
 6. The water service room is located in the northwest corner of the building and is approximately 15' x 8'. Adequate space is provided in the water service room for the installation and maintenance of the proposed water system components, including UV lamp replacement.
 7. A smooth nose sample tap shall be provided at every low point in the mechanical room for draining purposes.
 8. The pipes interior to the mechanical room shall be color coded as follows:
 - Water lines prior to UV - olive green
 - Booster pump supply and discharge line - dark blue
 9. Water system installer shall take water samples from the proposed domestic water well to test for the following:
 - a. Turbidity
 - b. UV absorbance
 - c. UV transmittance
 - d. Hardness
 10. No water system improvements shall be installed until UV absorbance, UV transmittance and hardness of the raw water from the well are tested. Should testing warrant a different treatment than what is shown hereon, an amended approval from the PCDOH will be required.
 11. All components in contact with water to be NSF 61.

DOMESTIC WATER SERVICE MECHANICAL ROOM SCHEMATIC LAYOUT
(N.T.S.)



WATER SERVICE LINE TRENCH DETAIL
(N.T.S.)



TANK SERVICE TRENCH LINE DETAIL
(N.T.S.)

NO.	DATE	REVISION	BY
8	1-27-21	REVISED PER PCDOH COMMENTS	MEU
7	12-7-20	REVISED PER TOWN & PCDOH COMMENTS	JWM
6	9-2-20	REVISED FOR PCDOH SUBMISSION	CBZ
5	8-13-20	ISSUED FOR BID	JWM
4	2-18-20	REVISED PER TOWN COMMENTS	GM
3	1-21-20	REVISED PER TOWN COMMENTS	GM
2	9-13-19	REVISED PER TOWN COMMENTS	MEU
1	07-29-19	REVISED FOR PLANNING BOARD SUBMISSION	KAM

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ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
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Carmel, NY 10512
(845) 225-9690
(845) 225-9717 fax
www.insite-eng.com

PROJECT: PUTNAM VALLEY FIRE STATION #1 AND AMENDED SITE PLAN FOR PUTNAM VALLEY AMBULANCE CORPS
OSCANNA LAKE ROAD, TOWN OF PUTNAM VALLEY, COUNTY OF PUTNAM, NEW YORK

DRAWING: SSTS & WELL DETAILS

PROJECT NUMBER	09105.100	PROJECT MANAGER	J.J.C.	DRAWING NO.	SHEET
DATE	7-29-19	DRAWN BY	M.E.U.	HD-3	11
SCALE	AS SHOWN	CHECKED BY	E.M.S.		11