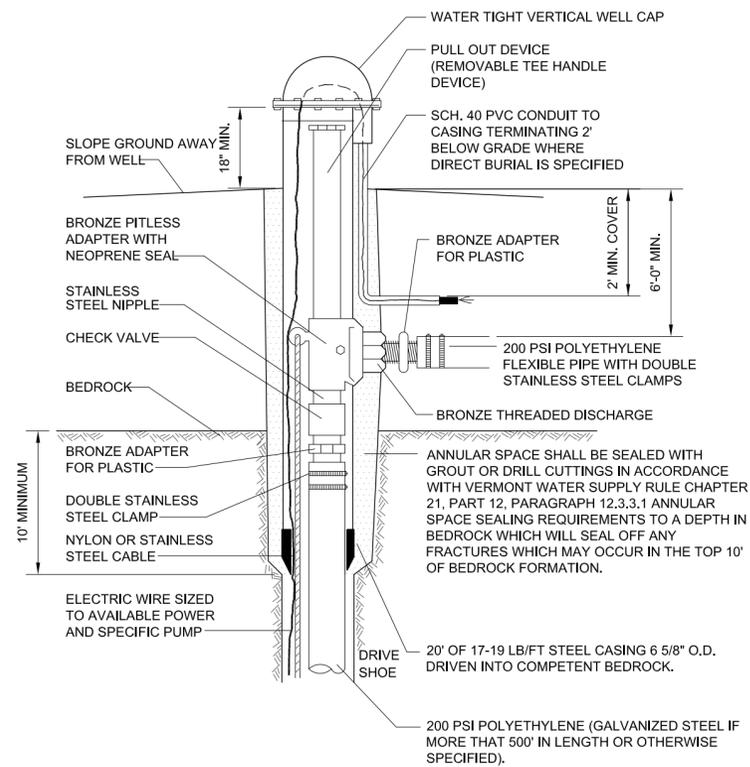


TYPICAL INDIVIDUAL WATER SYSTEM

NOT TO SCALE

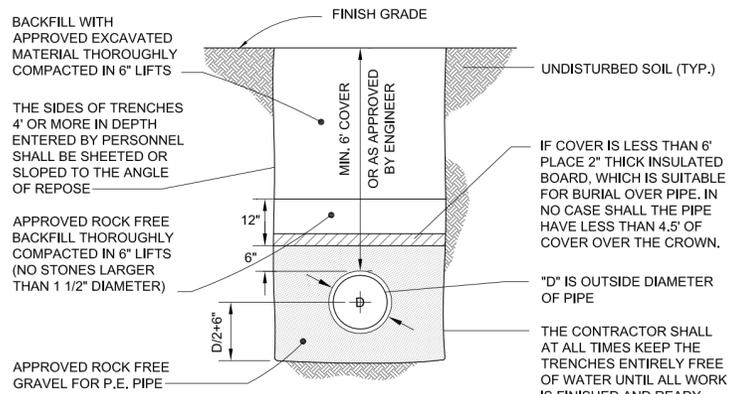


TYPICAL RESIDENTIAL DRILLED WELL

NOT TO SCALE

INDIVIDUAL DRILLED WELL NOTE:

1. THE SUBMERSIBLE PUMP MODEL AND DEPTH OF SETTING TO BE SPECIFIED BY THE ENGINEER AFTER THE WELL IS DRILLED AND YIELD TESTED (PIPE AND ADAPTOR SIZE TO SUIT ALSO).



TYPICAL WATER TRENCH

NOT TO SCALE

INDIVIDUAL DRILLED WELL DESIGN DATA

1. THE DRILLED WELL(S) CONSTRUCTION, LOCATION, DISINFECTION, AND TESTING SHALL BE IN ACCORDANCE WITH THE STATE OF VERMONT - WATER SUPPLY RULES.

2. THE BASIS OF DESIGN FOR EACH DRILLED WELL IS:

- A. AVERAGE DAY DEMAND: (2) 4-BEDROOM RESIDENCES = (140 GPD X 4 BEDROOMS) X 2 = 980 GPD
- B. MAXIMUM DAILY DEMAND: ((140 GPD X 4 BEDROOMS) X 2)/720 MIN/DAY = 1.36 GPM (8 BEDROOM)
- C. OPERATING PRESSURE RANGE: 40-60 PSI AT PRESSURE SWITCH
- D. INSTANTANEOUS PEAK DEMAND = 10 GPM.

POTENTIAL SOURCE OF CONTAMINATION AND OTHER SITING LIMITATIONS	SEPARATION DISTANCE
Roadway, Parking Lot (outer edge of shoulder)	25 Feet
Driveway (Fewer than 3 residences)	15 Feet
Sewage System Disposal Fields	(See a.)
Subsurface Wastewater Piping and Related Tanks	50 Feet
Property Line	10 Feet (See b.)
Limit of Herbicide Application on utility R.O.W.	100 Feet (See c.)
Surface Water	10 Feet (See d.)
Buildings	10 Feet
Concentrated Livestock Holding Areas and Manure Storage Systems	200 Feet
Hazardous or Solid Waste Disposal Site	(See f.)
Non-sewage Wastewater Disposal Fields	(See f.)

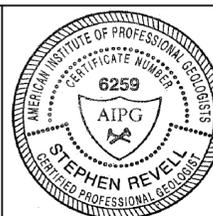
DRILLED WELL ISOLATION DISTANCES

- a. See Table a11-2.
- b. Increased to 50' when adjacent to agricultural cropland.
- c. Applies to rights-of-way (ROW) where herbicides have been applied in the past 12 months or may be applied in the future. This distance may be increased to 200' depending on the active ingredient in the herbicide according to Vermont Regulations for Control of Pesticides.
- d. For Public water sources, see appendix A, Part 3, Subpart 3.4.
- e. Water sources shall not be located in a flood way.
- f. If a water source is potentially downgradient of a source of contamination, then the Secretary shall apply criteria in Appendix A Subpart 11.4.2.2.

No.	REVISION	DATE
1	Updated Title Block to show Individual Wells for Lot 1 & Lot 4	5/15/2015
2		
3		
4		

"I hereby certify the installation and related information submitted is true and correct and that in the exercise of my reasonable professional judgement, the approved water and wastewater disposal systems have been installed in accordance with the design, all design conditions and the "as-built" drawing were inspected, were properly tested and successfully met those performance tests."

Stephen Revell, CRG
 Licensed Class B Designer #178
 Date 5-15-15



Trono Property
 800 Bingham Brook Road
 Charlotte, Vermont

Trono Lot 1 & Lot 4
Individual Water System Details

LAG PROJECT #: 10077
 DATE: Dec. 3, 2013
 SURVEYORS: D. Ring & LAG
 DRAWN BY: TAM
 PLAN SHEET: 4