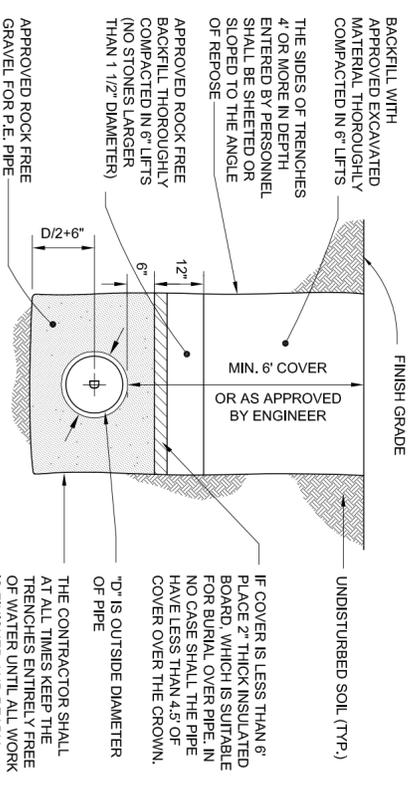


TYPICAL INDIVIDUAL WATER SYSTEM
NOT TO SCALE



TYPICAL WATER TRENCH
NOT TO SCALE

INDIVIDUAL DRILLED WELL DESIGN DATA

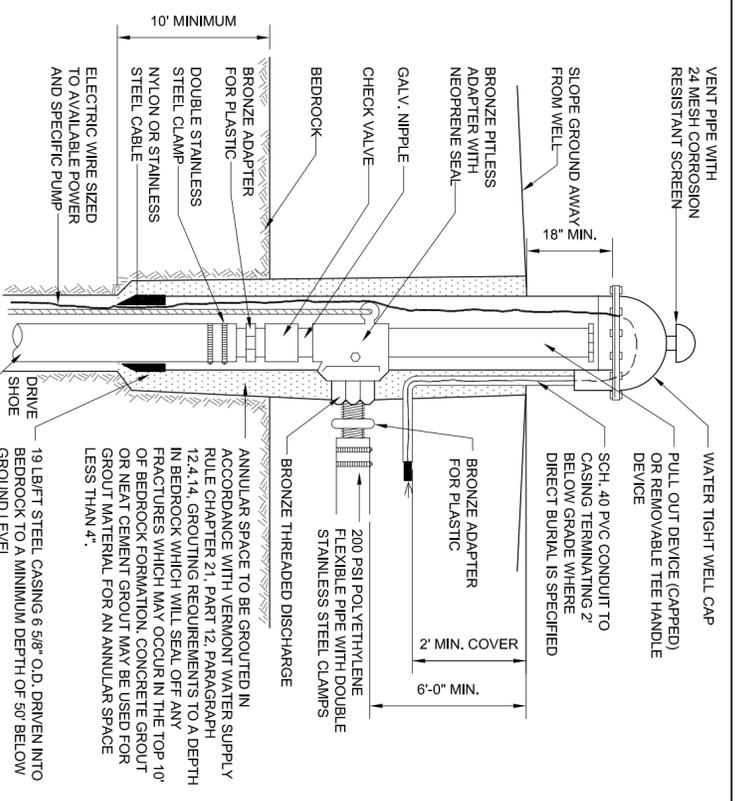
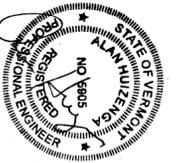
1. THE DRILLED WELL(S) CONSTRUCTION, LOCATION, DISINFECTION, AND TESTING SHALL BE IN ACCORDANCE WITH THE STATE OF VERMONT - WATER SUPPLY RULES.
2. THE BASIS OF DESIGN FOR EACH DRILLED WELL IS:
 - A. AVERAGE DAY DEMAND: 4-5 BEDROOMS = 480-560 GPD.
 - B. MAXIMUM DAY DEMAND: (490-580 GPD)/20 MINIDAY = 0.68-0.77 GPM (4-5 BEDROOM)
 - C. OPERATING PRESSURE RANGE: 40-80 PSI AT PRESSURE SWITCH
 - D. INSTANTANEOUS PEAK DEMAND = 5 GPM.

"I hereby certify that in the exercise of my reasonable professional judgment the design-related information submitted with this application is true and correct, and that the design included in this application for a permit complies with the Vermont Wastewater System and Potable Water Supply Rules and the Vermont Water Supply Rules."

Alan Hutzenga
VT Professional Engineer #5905
Green Mountain Engineering, Inc.

"I hereby certify that in the exercise of my reasonable professional judgment the design-related information submitted with this application is true and correct, and that the design included in this application for a permit complies with the Vermont Wastewater System and Potable Water Supply Rules and the Vermont Water Supply Rules."

Stephen Revell, CPG
Licensed Class B Designer #178



TYPICAL INDIVIDUAL 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).

POTENTIAL SOURCE OF CONTAMINATION AND OTHER SITTING LIMITATIONS	SEPARATION DISTANCE
Roadway, Parking Lot (outer edge of shoulder)	25 Feet
Diveaway (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.)
Unit 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.

Hinsdale Property

State Park Road
Charlotte, Vermont

**Lots 2, 3, 4 & 5
Water System Details**

LAG PROJECT #	00266.6
DATE	May 21, 2010
SURVEYORS	
DRAWN	S. Morrow
PLAN SHEET #	6