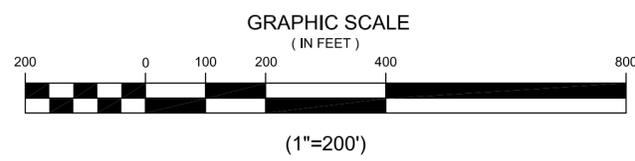
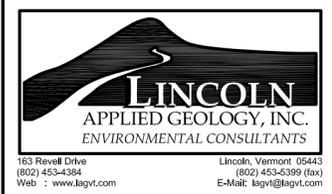
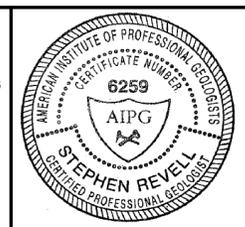


GENERAL LOCATION MAP  
SCALE: 1"=2,000'±



"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."

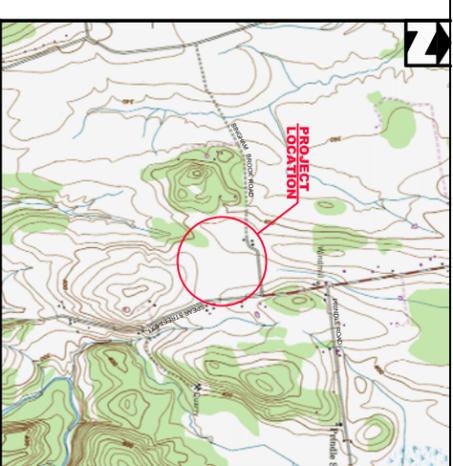
*Stephen Revell* 12/4/13  
Stephen Revell, CPG Date  
Licensed Class B Designer #178



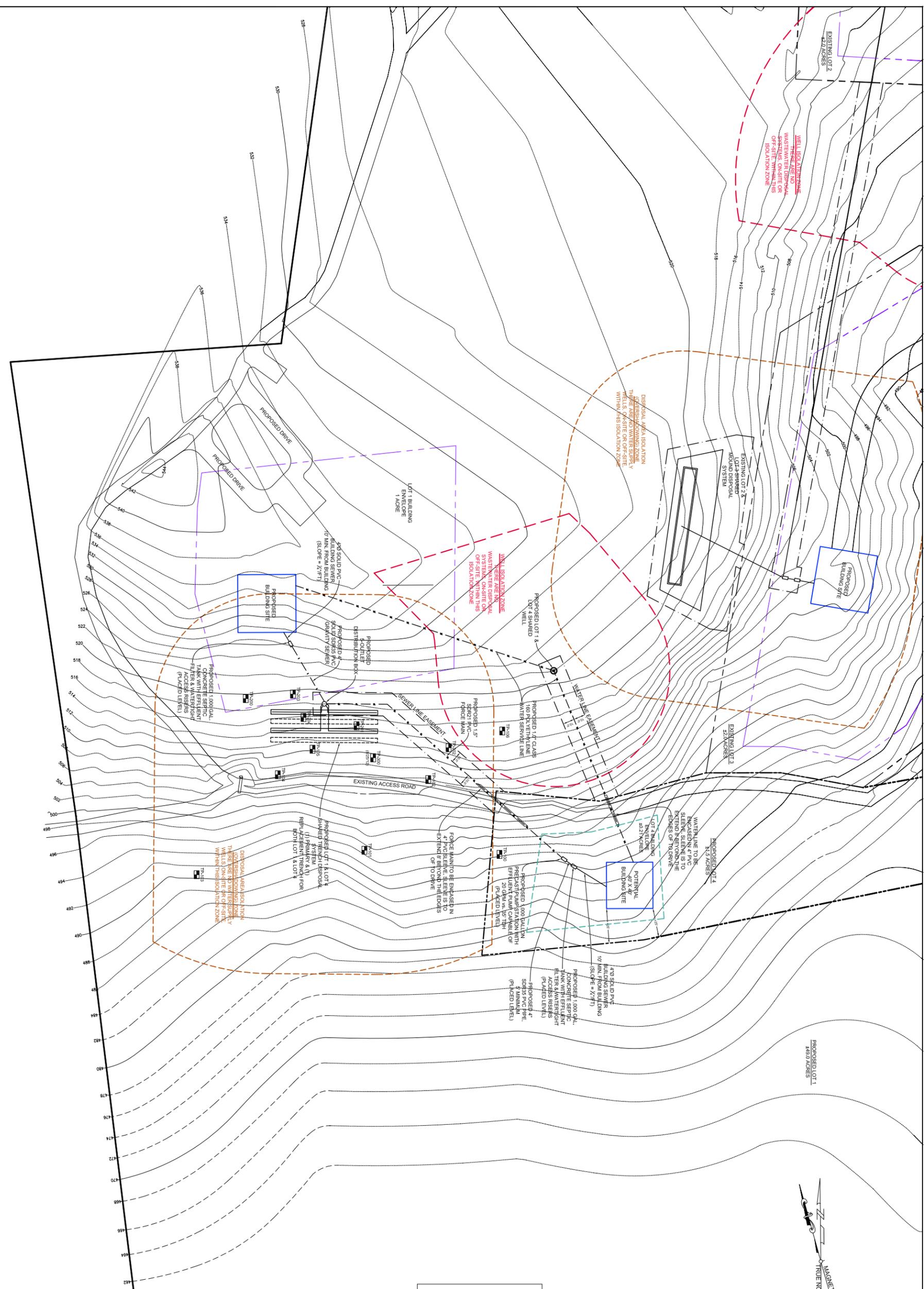
**Trono Property**  
800 Bingham Brook Road  
Charlotte, Vermont

**Overall Property Site Plan**

LAG PROJECT #:	10077
DATE:	Dec. 3, 2013
SURVEYORS:	D. Ring & LAG
DRAWN BY:	TAM
PLAN SHEET:	1



GENERAL LOCATION MAP  
SCALE: 1"=20,000'



**LEGEND**

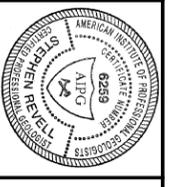
- EXISTING SURROUND CONTOUR
- EDGE OF PAVEMENT
- EXISTING LOT 1 PROPERTY LINE
- WELL ISOLATION ZONE
- SEPTIC ISOLATION ZONE
- SEPTIC EASEMENTS
- EXISTING LOT 2 & LOT 3
- PROPOSED WATER LINE
- PROPOSED SEPTIC LINE
- WELL - CANCELLED
- TEST PIT



THE CONTRACTOR SHALL NOTIFY "BIGSAFE" AT 1-888-DIG-SAFE PRIOR TO ANY EXCAVATION.

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 Regulations, Vermont Water Supply Rules.\*

Stephen Revell, CPG  
Licensure Class B Designer #178  
Date 12/14/13



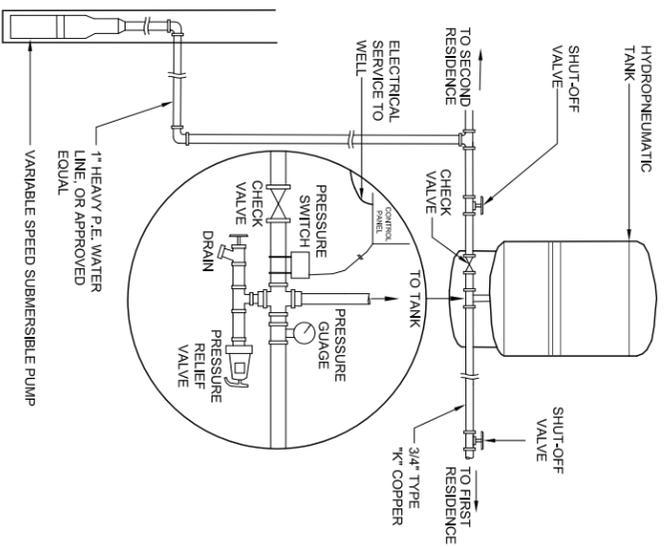
**Trono Property**  
Bingham Brook Road  
Charlotte, Vermont

**Lot 4 Site Development Plan**  
with  
Shared Water & Wastewater Systems

LOT PROJECT # 10077  
DATE Dec. 2013  
SCALE 1"=40'  
DRAWN BY D. Riley & J.G. TAM  
PLANNED BY TAM

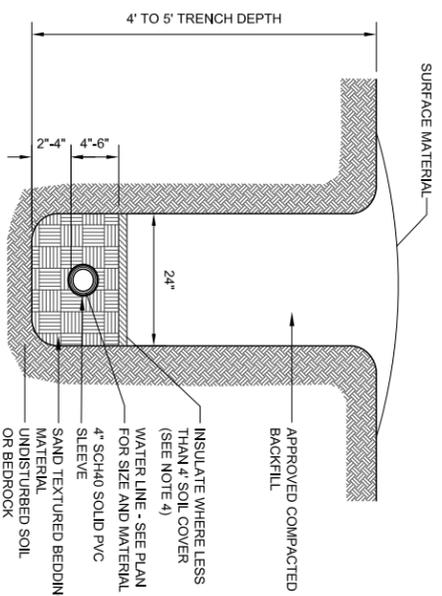
2





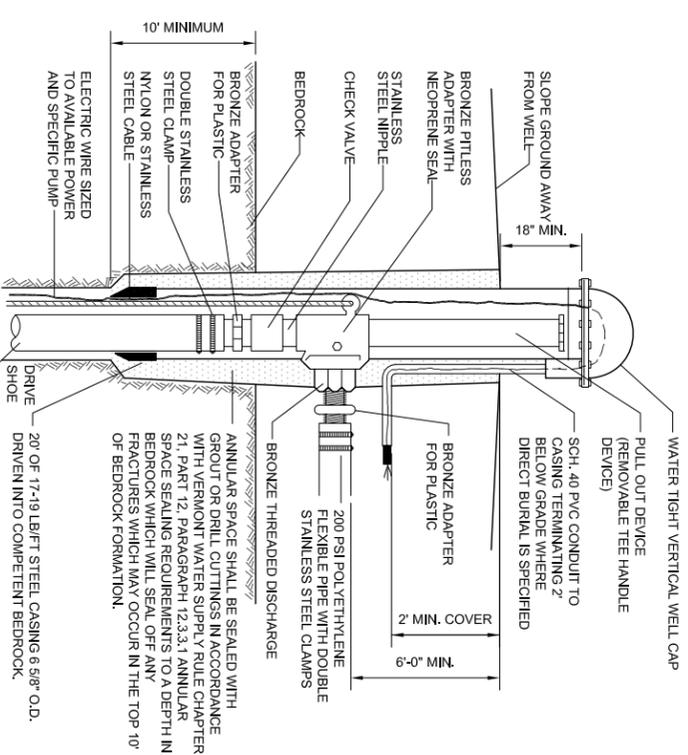
**TYPICAL SHARED WATER SYSTEM**

NOT TO SCALE



**WATER LINE PROTECTIVE SLEEVE DETAIL**

NOT TO SCALE

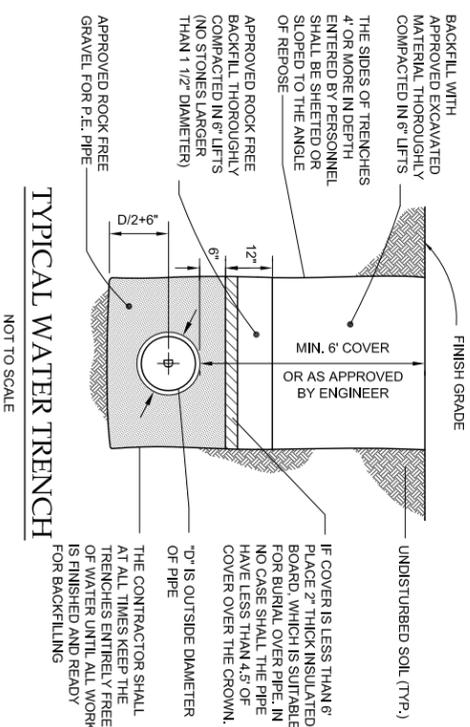


**TYPICAL RESIDENTIAL DRILLED WELL**

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 DAILY DEMAND: (2) 4-BEDROOM RESIDENCES = (140 GPD X 4 BEDROOMS) X 2 = 980 GPD
  - B. MAXIMUM DAILY DEMAND: (1140 GPD X 4 BEDROOMS) X 21720 MINIDAY = 1,36 GPM (8 BEDROOM)
  - C. OPERATING PRESSURE RANGE: 40-80 PSI AT PRESSURE SWITCH
  - D. INSTANTANEOUS PEAK DEMAND = 10 GPM.

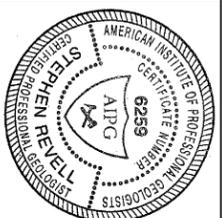
"I hereby certify that in the exercise of my reasonable professional judgment the design-related information submitted with this application is true and correct, and that the design included in this application for a permit complies with the Vermont Wastewater System and Potable Water Supply Rules and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

Stephen Rewell, CPG  
Licensd Class B Designer #178  
Date 12/4/13

POTENTIAL SOURCE OF CONTAMINATION AND OTHER SITING LIMITATIONS	SEPARATION DISTANCE
Roadway: Parking Lot (outer edge of shoulder)	25 Feet
Ditchway (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 (See 1.)
Hazardous or Solid Waste Disposal Site	(See 1.)
Non-sewage Wastewater Disposal Fields	(See 1.)

**DRILLED WELL ISOLATION DISTANCES**

- a. See Table at 1-2.
- 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.



**Trono Property**  
800 Bingham Brook Road  
Charlotte, Vermont

Trono Lot 1 & Lot 4  
Shared Water System Details

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

NOT TO SCALE