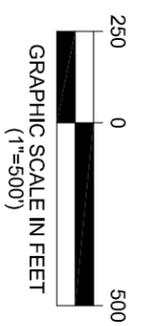
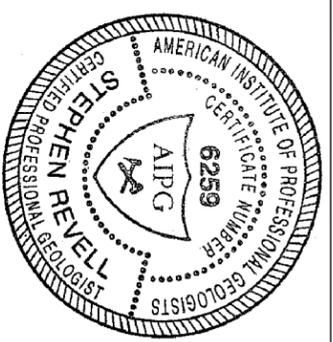


"I hereby certify that in the exercise of my reasonable professional judgment the design-related information submitted with this application is true and correct, and that the design included in this application for a permit complies with the Vermont Wastewater System and Potable Water Supply Rules and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

Stephen Revell, CPG
Licensed Class B Designer #178

Date



Tegatz Family Trust
Guinea Road
Charlotte, Vermont

Property Dimension Plan

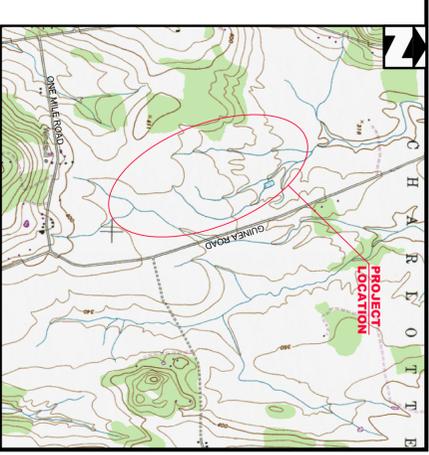
LAG PROJECT #
09047

DATE
Nov. 25, 2009

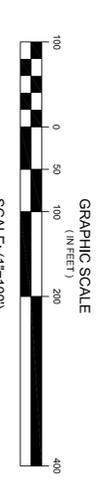
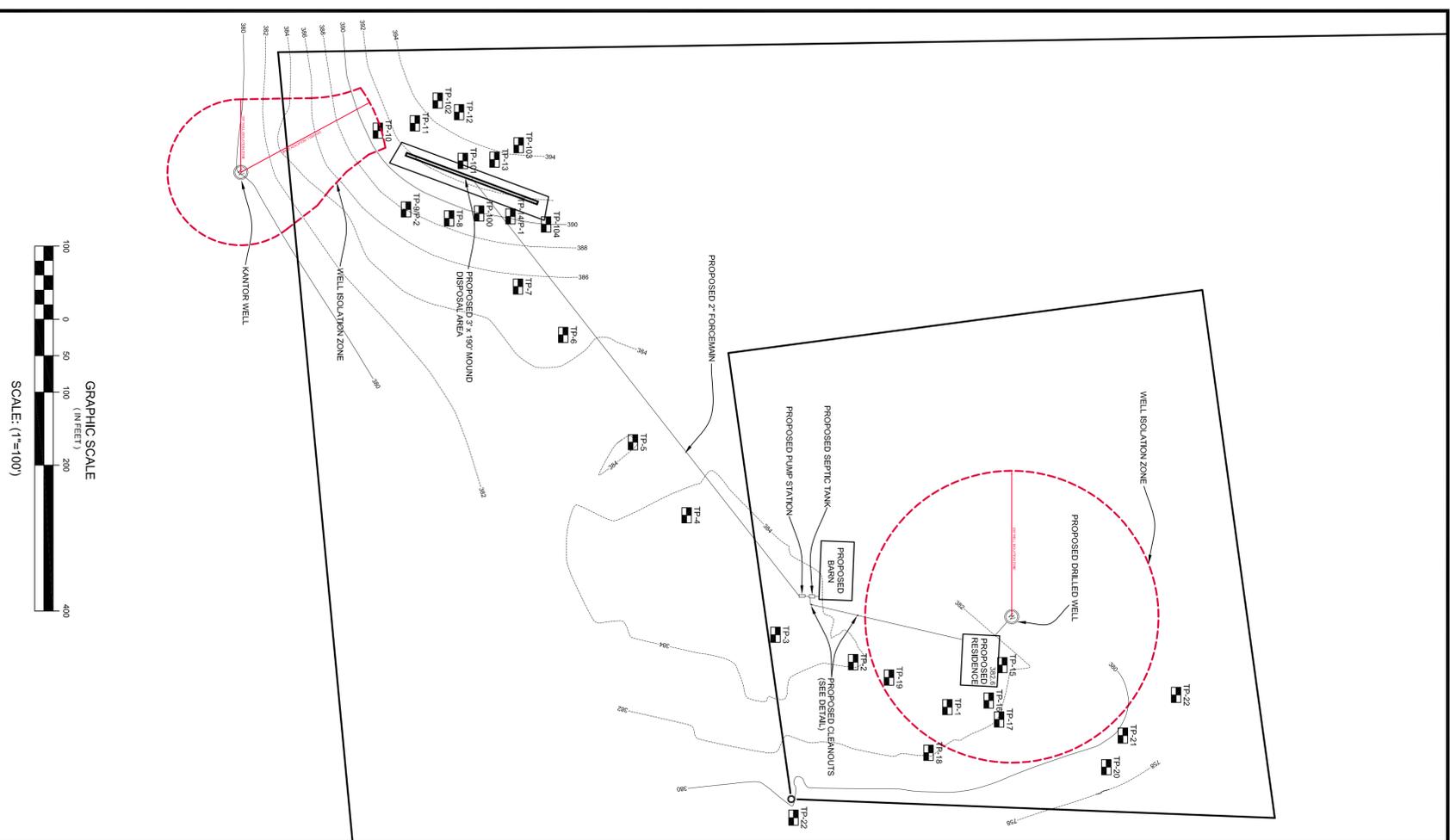
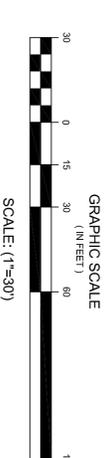
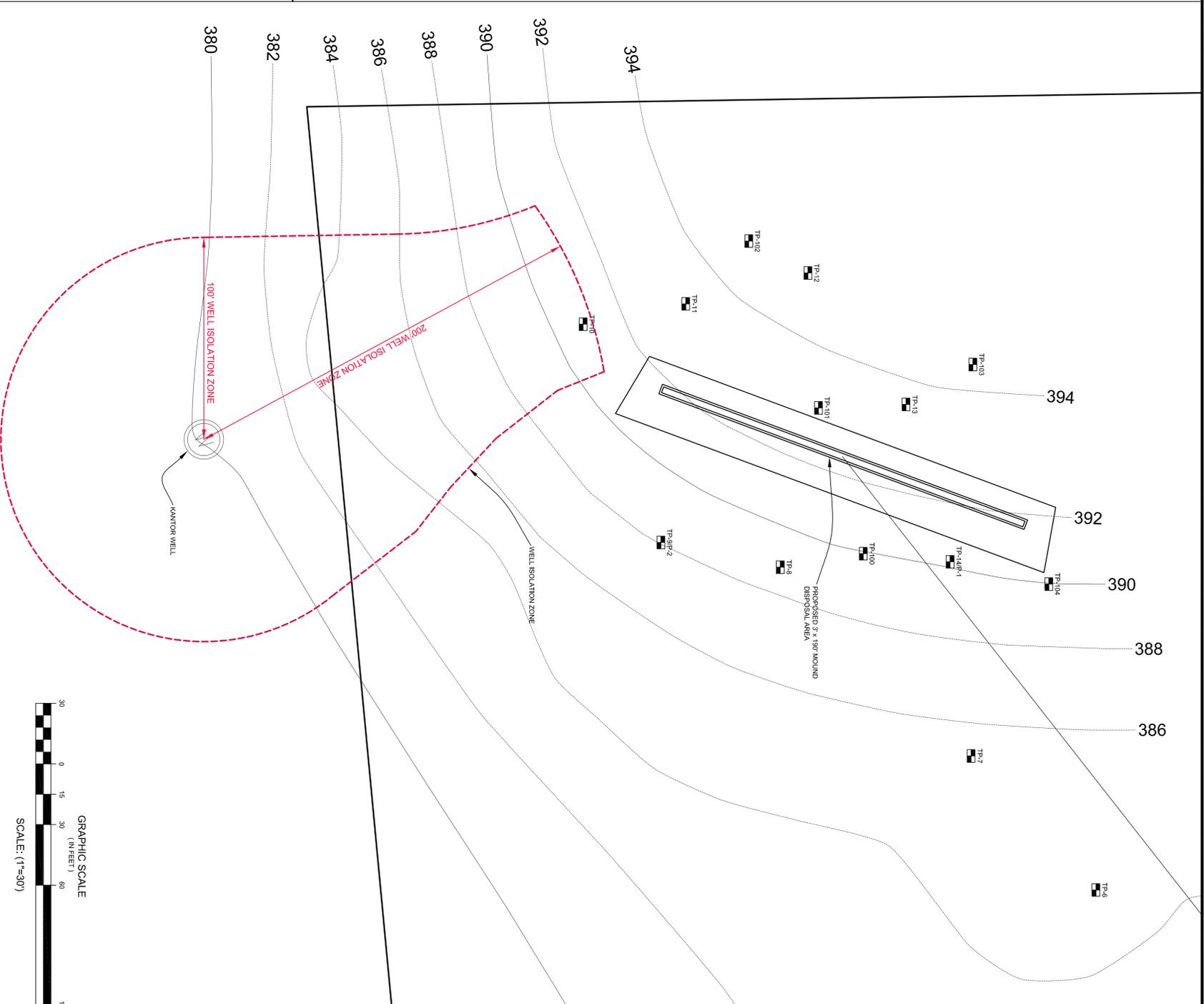
PROJECT MANAGER
SR

DRAWN BY
SJM/TAM

FIGURE
1



- LEGEND**
- 418' ----- EXISTING GROUND CONTOUR
 - W ----- EXISTING WATER LINE
 - O --- IRON PIPE FOUND
 - P --- TEST PIT
 - W --- WELL - DRILLED



"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 I am duly licensed to practice my profession in accordance with the current Vermont regulations and applicable Water Supply Rules and the Vermont Water Supply Rules."

Stephen Revell, CPG
Licensed Class B Designer #178
Date _____

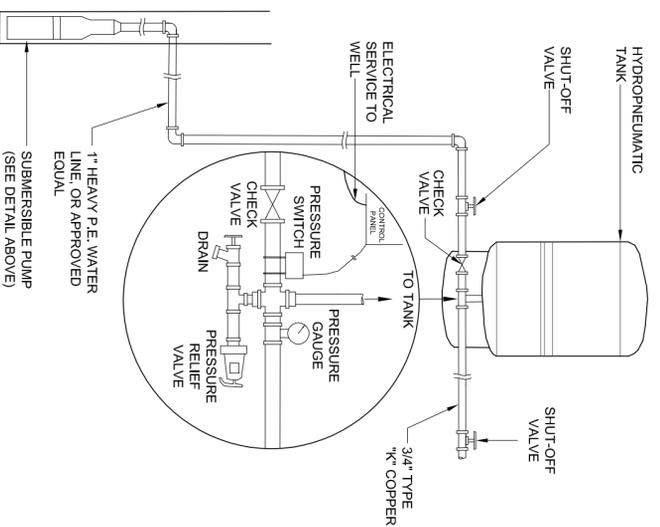


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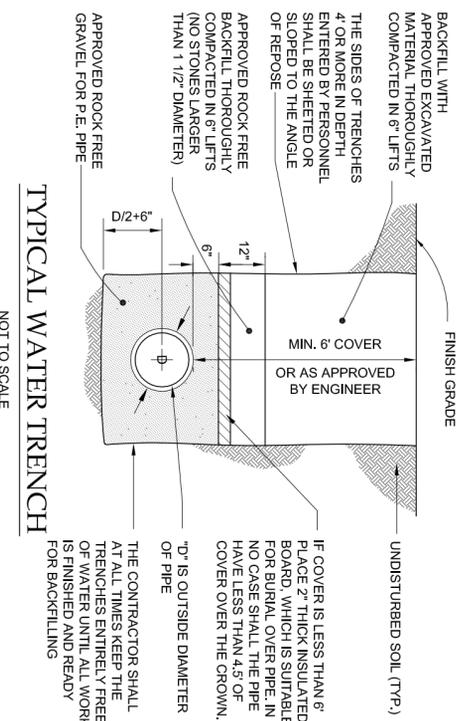
Site Plan with 30 Scale Blowup of Mound Area

DATE	NOV. 26, 2008
SURVEYING	STEPHEN REVELL
PROJECT	SEPTIC SYSTEM
PLANSHEET #	2

THE CONTRACTOR SHALL NOTIFY "DIGSAFE" AT 1-888-DIGSAFE PRIOR TO ANY EXCAVATION.



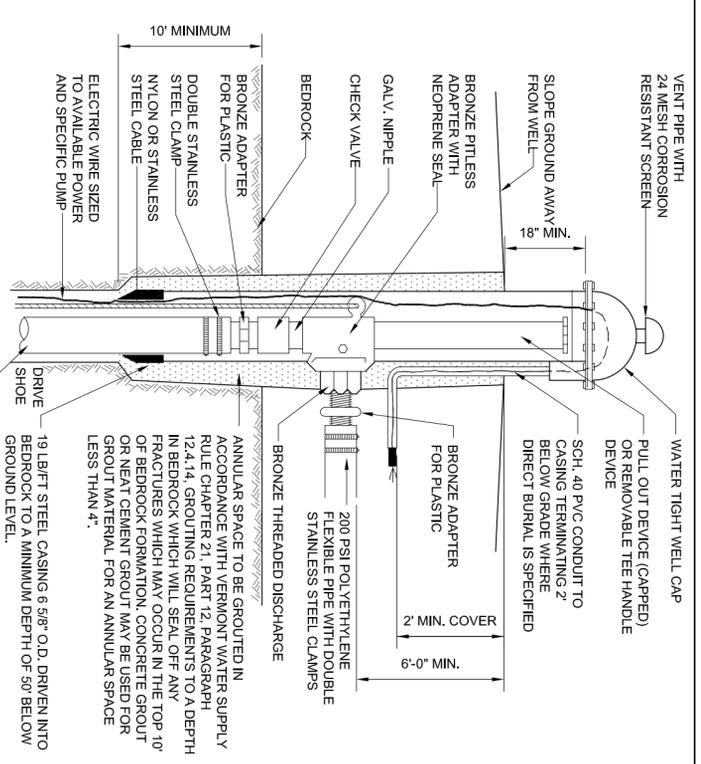
TYPICAL INDIVIDUAL WATER SYSTEM
NOT TO SCALE



TYPICAL WATER TRENCH
NOT TO SCALE

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: 140 GPD X 5 BEDROOMS = 560 GPD.
 - B. MAXIMUM DAILY DEMAND: (140 GPD X 5 BEDROOMS)/720 MIN/DAY = 0.97 GPM (5 BEDROOM)
 - C. OPERATING PRESSURE RANGE: 40-60 PSI AT PRESSURE SWITCH
 - D. INSTANTANEOUS PEAK DEMAND = 5 GPM.

INDIVIDUAL DRILLED WELL DESIGN DATA



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 SITING 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.)
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 1.)
Non-sewage Wastewater Disposal Fields	(See 1.)

DRILLED WELL ISOLATION DISTANCES

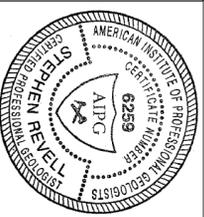
- See Table a1-2.
- Increased to 50' when adjacent to agricultural cropland.
- Applies to rights-of-way (ROW) where herbicides have been applied in the past 12 months or may be applied in the future. This distance may be increased to 200' depending on the active ingredient in the herbicide according to Vermont Regulations for Control of Pesticides.
- For Public water sources, see appendix A, Part 3, Subpart 3.4.
- Water sources shall not be located in a flood way.
- 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.

NOT TO SCALE

"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."

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Licensed Class B Designer #178

Date _____



Tegatz Family Trust
Guinea Road
Charlotte, Vermont

Water System Details

LAG PROJECT # 09047
DATE NOV 25, 2009
SURVEYORS SIM
DRAWN SJM/TAM
PLAN SHEET # 4