

LOT P2

Lambert and Michelle Lussier
Map Slide 109

PROPERTY LINE / RIGHT-OF-WAY

CARPENTER ROAD

ROAD

EXISTING SHARED SPRING

100' WELL ISOLATION ZONE

EXISTING SEASONAL CLASS 3 WETLANDS

100' WELL ISOLATION ZONE

THERE ARE NO WASTEWATER DISPOSAL SYSTEMS ON-SITE OR OFF-SITE WITHIN THIS WELL ISOLATION ZONE

100' WELL ISOLATION ZONE (WITH FLOW LINES)

FUTURE LOT 1 REPLACEMENT WELL (per 1-304(G)(22))

SEE NOTE 3

100' WELL ISOLATION ZONE

FUTURE LOT 3 REPLACEMENT WELL (per 1-304(G)(22))

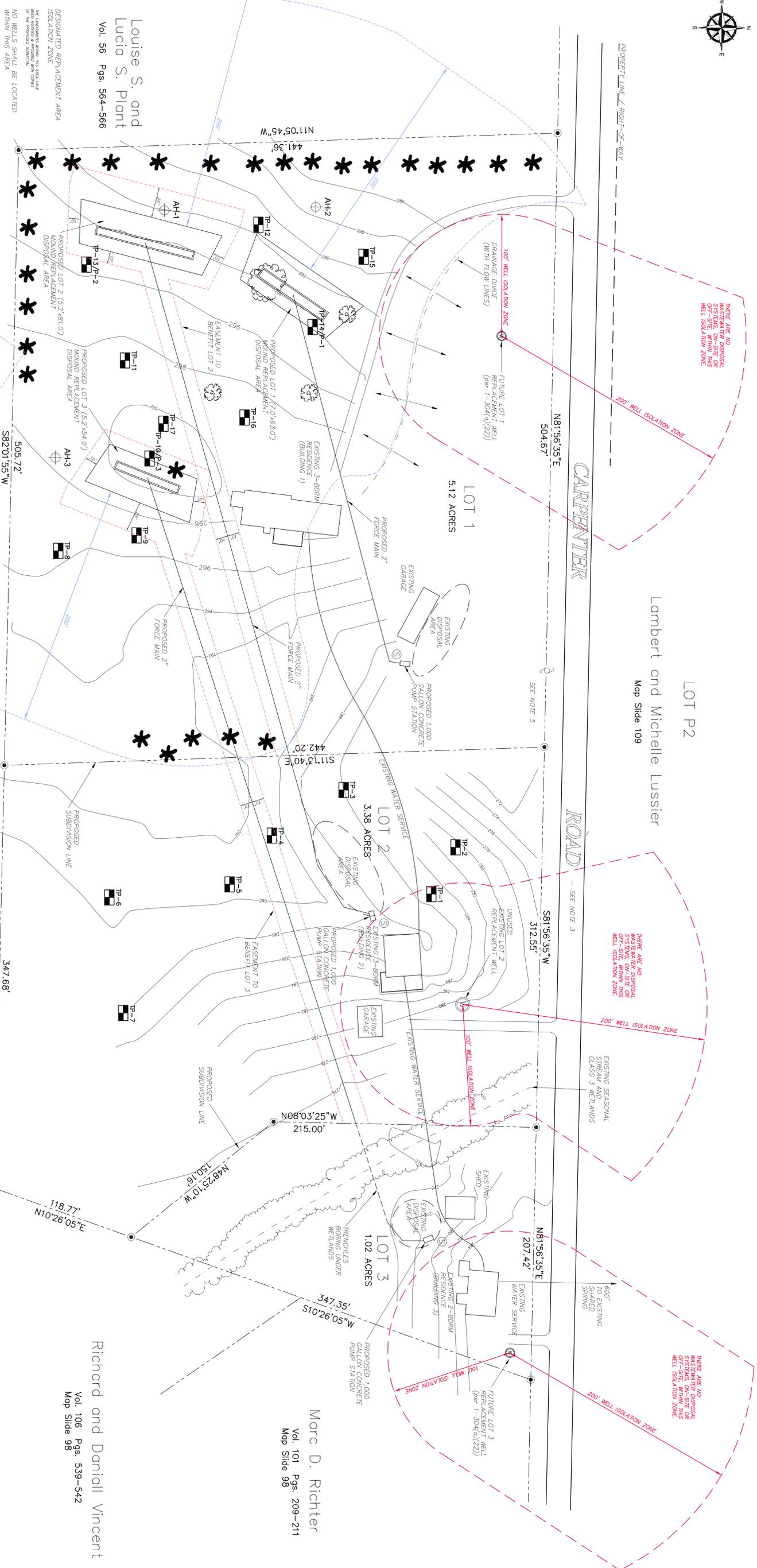
THERE ARE NO WASTEWATER DISPOSAL SYSTEMS ON-SITE OR OFF-SITE WITHIN THIS WELL ISOLATION ZONE

Louise S. and Lucia S. Plant
Vol. 56 Pgs. 564-566

Louise S. and Lucia S. Plant
Vol. 56 Pgs. 564-566

Richard and Daniall Vincent
Vol. 106 Pgs. 539-542
Map Slide 98

Marc D. Richter
Vol. 101 Pgs. 209-211
Map Slide 98



NOTES:

1. The boundary survey was performed with a total station.
2. The bearings are referenced to astronomical north determined by solar observations.
3. Carpenter Road has a 4905 foot wide right of way, reference Town Records Volume 2 page 311. The right of way was determined from existing monumentation.
4. This parcel is in the name of Rendid and Agnes Lussier, reference Volume 130 pages 22-23.
5. There is a 25 foot wide utility easement on Lot 1, reference Volume 95 page 464. The location of the easement was not located.

DESIGNATED REPLACEMENT AREA ISOLATION ZONE
THE LANDOWNER SHALL BE RESPONSIBLE FOR THE PROPOSED SUBSTITUTION OF WELLS SHALL BE LOCATED WITHIN THIS AREA

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NOTE: SITE & SUBDIVISION SURVEY PLAN AND TOPOGRAPHY BY STUART J. MORROW LLS565

LEGEND:

	IRON PIN FOUND WITH OUTSIDE DIAMETER
	5/8" REINFORCEMENT BAR WITH SURVEY MARKER TO BE SET
	BOUNDARY LINE
	SEPTIC TANK
	DRILLED WELL
	GUY POLE
	TREE
	TEST PIT/PERCOLATION TEST

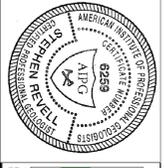


THE CONTRACTOR SHALL NOTIFY "DISSEVE" AT 1-888-DISSEVE PRIOR TO ANY EXCAVATION

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

Stephenn Revell, CPG
Licensed Class B Designer #178

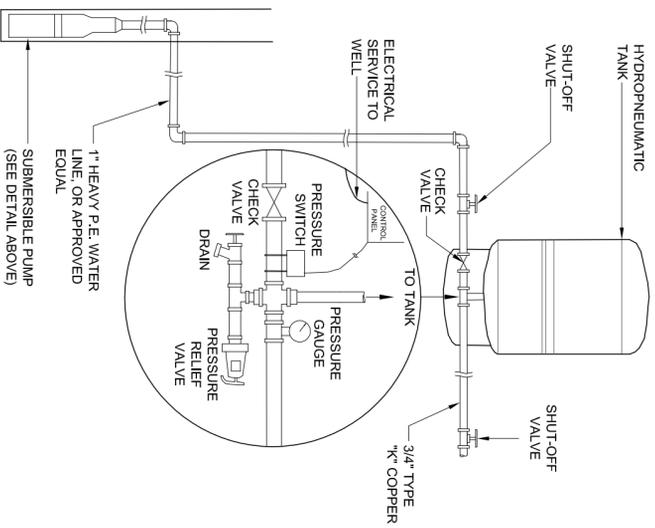
Date _____



Lussier Property
78 Carpenter Road
Charlotte, Vermont

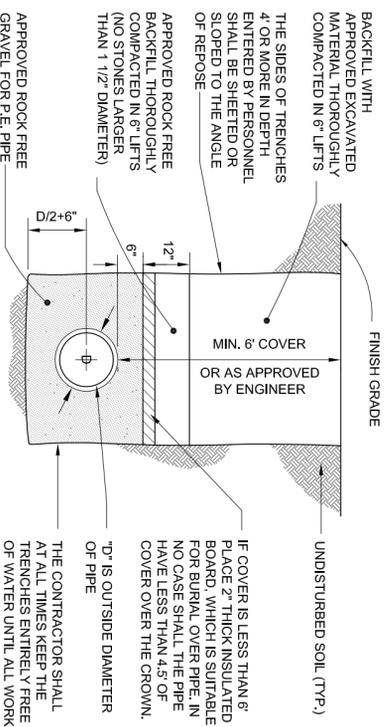
Three Lot Site Plan with Existing & Replacement Water & Wastewater Systems

PLAN PROJECT #	10044
DATE	09/01/2010
SURVEYORS	STUART J. MORROW
DRAWN	SM
PLAN SHEET #	1



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

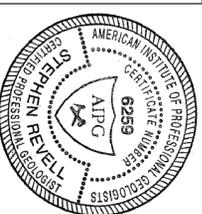
BASIS OF DESIGN BY LOT

LOT #	X	A	Y
1	3	420	0.58
2	3	420	0.58
3	2	280	0.39

"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

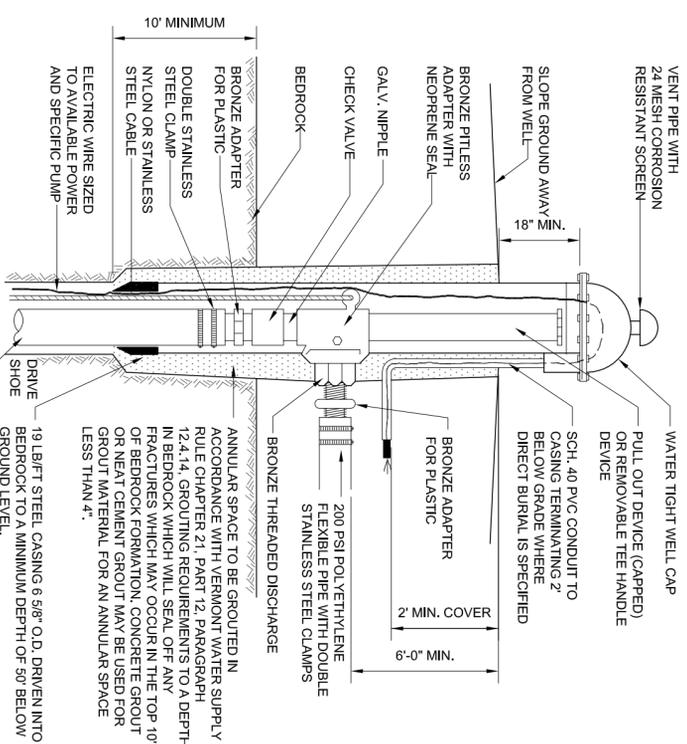
Date



Lussier Property
78 Carpenter Road
Charlotte, Vermont

Water System Details Sheet
for
Lots 1, 2, & 3

LAG PROJECT # 10044
DATE Sept. 30, 2010
SURVEYORS SLM
DRAWN SLM
PLAN SHEET # 3



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

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.