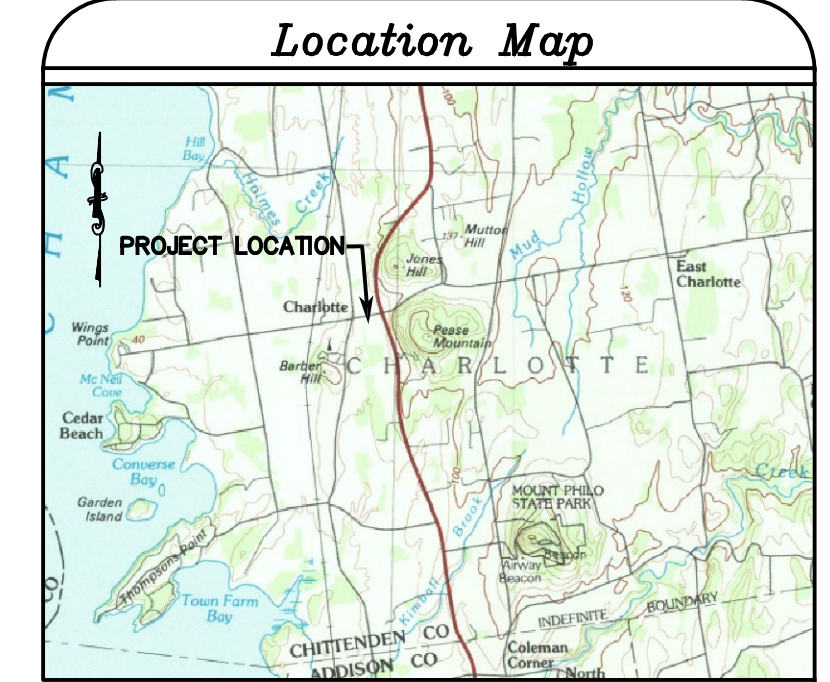


**Nearest Municipal Sewer Manhole**

**TABLE 1 - DRILLED WELL MINIMUM SEPARATION DISTANCES**

Disposal Fields - downhill of well	100'
Disposal Fields - uphill of well	200'
Driveway (<3 residences)	15'
Roadway or Parking Lot (outer edge of shoulder)	25'
Subsurface Wastewater Piping and Related Tanks	50'
Property Line	10'
Limit of Herbicide Application on Utility R.O.W.	50'
Surface Water	10'
Floodways	Well not located within floodway
Buildings	10'
Concentrated Livestock Holding Area & Manure Storage Systems	200'
Hazardous or Solid Waste Disposal Site	Contact Engineer
Non-sewage Wastewater Disposal Fields	Contact Engineer

Note: This table is intended as a general guideline only. Contact Engineer for specific limitations and applicability of these distances.



**Legend**

--- ---	Property Line
- - - - -	Abutter Property Line
- - - - -	Easement Line
---	Existing Force Main
---	Existing Water Line
---	PROPOSED FORCE MAIN
---●---	Delineated Wetland Boundary
x x x x x	Wire Fence
o o o o o	Picket Fence
---	Swale
---	PROPOSED SILT/CORDON FENCE
⊙	Manhole
⊙	Existing Well
⊙	Utility Pole
⊙	Property Marker Found
⊙	Wetland Flag
⊙	Trees
---	Proposed Easement Area

**Design Qualification**  
This design is the best possible to meet existing Town of Charlotte standards and regulations and the Environmental Protection Rules of the Agency of Natural Resources. No guarantee is made as to the ability of this system to be constructed, or to function as intended, unless the same is constructed pursuant to plans of greater detail. Furthermore, this design has been prepared for the regulatory permit process and may not sufficiently detail all the items necessary for construction.

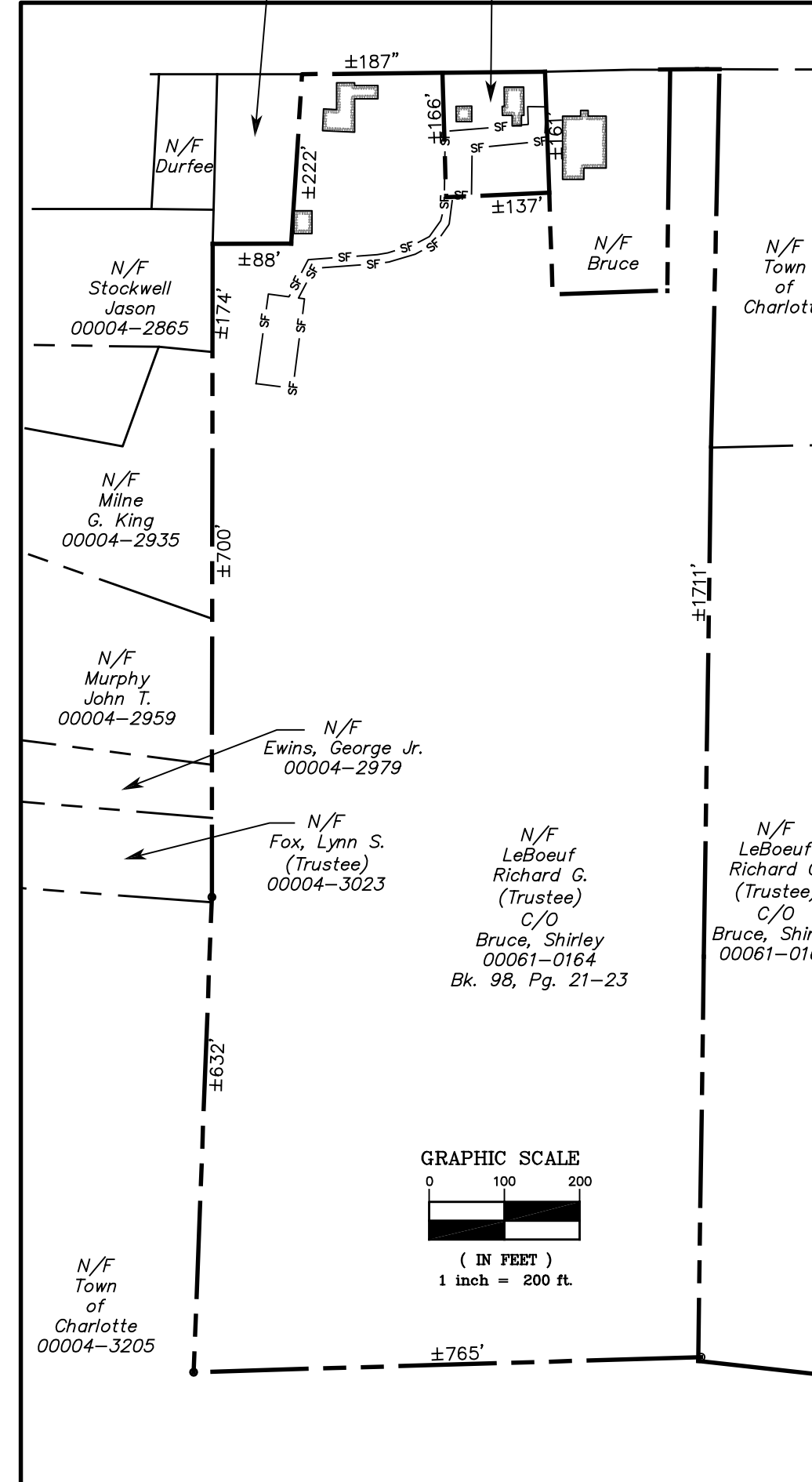
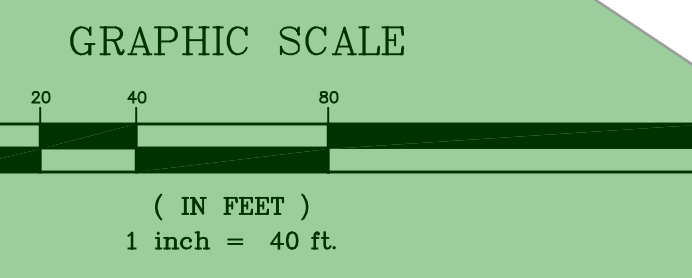
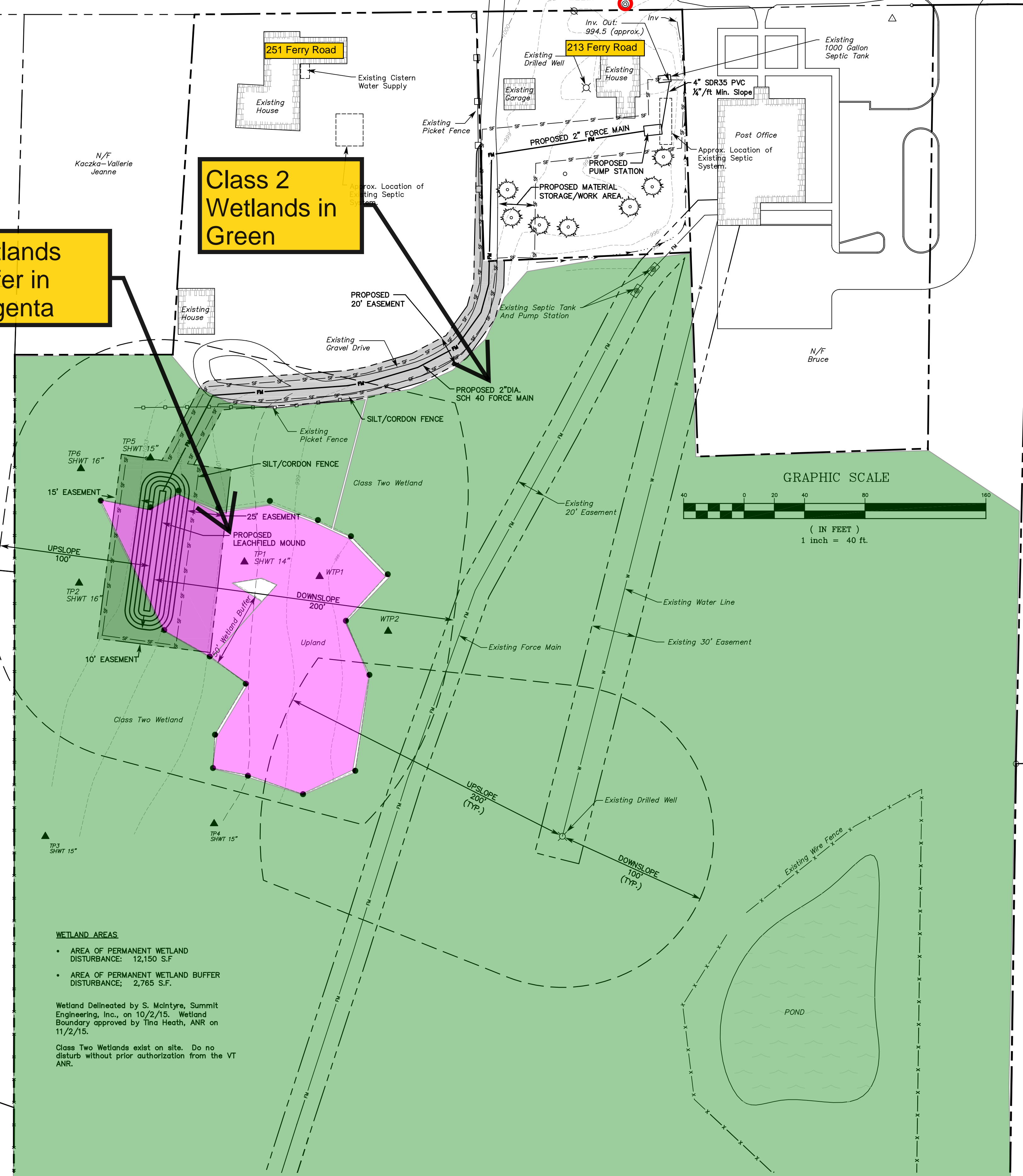
The Contractor is to notify Dig-Safe (Tel. 1-888-344-7233) 48 hours prior to any excavation.

The Contractor shall be insured for the work to be performed, and shall be prepared to furnish a Certificate of Insurance.

It is noted that no site assessment of hazardous or other waste materials has been made and Summit Engineering, Inc. takes no responsibility for any materials or conditions that may exist on this site.

**Wetlands Buffer in Magenta**

**Class 2 Wetlands in Green**



Bruce #8328 213 Ferry Road, Charlotte, VT  
Hand Shovel Test Pits 9/16/15  
At site: Doug Hewitt

TP 1  
0-6" Organic silty topsoil.  
6-11" Silt Loam, some clay, blocky Prismatic, K = 20 ft/day.  
11-24" Silty clay loam, dry, smears. Mottled at 14"  
SHWT at 14"  
K=20 for Silt Loam with strong blocky structure NLTD.

TP 2  
0-7" Organic silty topsoil.  
7-11" Fine Sandy Loam, dry, blocky, K = 30  
11-24" Silty clay loam, dry, smears. Mottled at 16"  
SHWT at 16"  
K=30 for Fine Sandy Loam with strong blocky structure NLTD.

TP 3  
0-9" Organic silty topsoil.  
9-15" Silt Loam with pockets of sand, dry, blocky Prismatic, K = 20 ft/day.  
15-24" Faintly mottled silty clay loam, dry, smears.  
SHWT at 15"  
K=20 for Silt Loam with strong blocky structure NLTD.

TP 4  
0-9" Organic silty topsoil.  
9-15" Silt Loam with pockets of sand, dry, blocky Prismatic, K = 20 ft/day.  
15-24" Mottled silty clay loam, dry, smears.  
SHWT at 15"  
K=20 for Silt Loam with strong blocky structure NLTD.

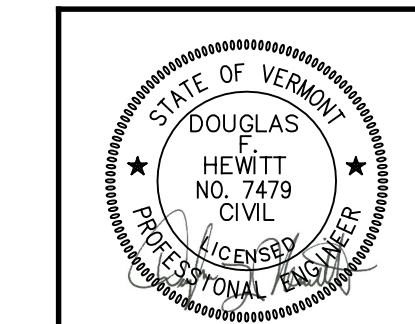
TP 5  
0-8" Organic silty topsoil.  
8-15" Silt Loam, dark color, dry, blocky Prismatic, K = 20 ft/day.  
15-26" Faintly mottled silty clay loam, dry, smears.  
SHWT at 15"  
K=20 for Silt Loam with strong blocky structure NLTD.

TP 6  
0-7" Organic silty topsoil.  
7-11" Fine Sandy Loam, dry, blocky, K = 30  
11-24" Mottled silty clay loam, dry, smears.  
SHWT at 11"  
K=30 for Fine Sandy Loam with strong blocky structure NLTD.

Percolation Tests 11/12/15  
P 1 20 minutes per inch @ 14"  
P 2 28 minutes per inch @ 14"



Owner of Record  
Shirley Bruce  
161 Bittersweet Circle  
Williston, VT 05495



1	REVISED THE DESIGN TO ACCOMMODATE MORE SAND UNDER ABSORPTION TRENCHES.	3/31/16
REVISION		
SURVEY	BEG/DFH	DATE
DESIGNED	DFH	1/4/16
DRAWN	BEG	DRAWING NO.
CHECKED	DFH	W1
SCALE	1"=40'	PROJECT NO.
		8328

**SUMMIT ENGINEERING, INC**  
Engineers • Surveyors • Planners • Landscape Architects  
1233 Shelburne Road C2  
South Burlington, VT 05403  
(802) 658-5588

**WASTEWATER SITE PLAN**

**SHIRLEY BRUCE**

213 FERRY ROAD  
CHARLOTTE, VERMONT