

LEGEND

- 3.6 --- EXISTING CONTOUR
- 3.6 --- PROPOSED CONTOUR
- 3.6 --- APPROXIMATE PROPERTY LINE
- 3.6 --- APPROXIMATE SETBACK LINE
- IRON ROD/PIPE FOUND/SET
- CONCRETE MONUMENT
- GRAVITY SEWER LINE
- FM --- FORCE MAIN
- W --- WATER LINE
- OE --- OVERHEAD ELECTRIC
- UE --- UNDERGROUND ELECTRIC
- G --- GAS LINE
- ⊕ POWER POLE
- ⊕ DECIDUOUS TREE
- ⊕ CONIFEROUS TREE
- ⊕ EDGE OF BRUSH/WOODS
- ⊕ FENCE
- ⊕ DRAINAGE SWALE
- ⊕ TEST PIT
- ⊕ PERCOLATION TEST
- ⊕ WELL
- ⊕ PROJECT BENCHMARK

Ober Property Test Pitting

TP #9	TP #10	TP #11	TP #4
Sandy topsoil	Dark sandy topsoil	Sandy topsoil	Dark loam topsoil
Light brown stony loam	Light brown stony loam	Light brown sandy loam	Light brown stony loam
Gravelly sand	Gravelly sand	Gravelly sand	Light brown stony loam
No ledge	No ledge	No ledge	No ledge

Basis of Design

Design Flow 490 GPD
 4-BR Home 490 GPD
 Total Flow 490 GPD

Primary Disposal Field
 Length Percolation Rate = 6.0 min/in
 10' Wide Absorption Bed
 490 GPD / (0.98 GPD/LF) = 500 SF Required
 User 10' x 42' Bed = 504 SF Provided

At Grade Replacement Disposal Field
 Length Percolation Rate = 10.0 min/in
 108 x 3' (l) = 3' (l) = 0.8 X 1.22 = 0.98 GPD/SF
 5% Slope - 5' Wide At Grade System
 490 GPD / (0.76 GPD/LF) = 645 SF Required
 User 6' x 107.5' Bed = 645 SF Provided

Septic Tank
 Minimum Size Required = 1,000 Gal for Design
 Flow - 467 GPD
 Effluent Filter Required

Pump Station
 xxxxx = Invert of Inlet of Distribution Box or High Pt. of FM
 xxxxx = Low Elevation in Pump Station (FT)
 xxx = Elevation Head (FT)

Length of SCL 40 PVC Force Main = 255 FT
 Diameter of Force Main = 2"
 Design Flow Rate = XX GPM
 Friction Loss per 100 FT = XX FT
 XXX = Resulting Friction Head (FT)
 XXXX = Elevation Head (FT)
 XX = Minor Losses (FT)
 XXX = Design Residual Pressure (FT)
 XXX = Design TDH
 Use Hydromatic SHERXX, 1 Ph, 60 Hz, 230 V, 0.X HP or approved equal

Pump Station Emergency Storage
 Minimum Size Required = 1,000 Gal for Design
 Flow - 467 GPD
 Effluent Filter Required

SITE ENGINEER:



CIVIL ENGINEERING ASSOCIATES, INC.
 10 MANFIELD VIEW LANE, SOUTH BURLINGTON, VT 05403
 802-864-2323 FAX: 802-864-2271 WWW.CEAA-VERMONT.COM

OWNER: **MATT & LAUREN DALEY**

DESIGNED BY: **DSM**

CHECKED BY: **DSM**

APPROVED BY: **DSM**

PROJECT: **OBBER-SUBDIVISION GREENBUSH**

GREENBUSH ROAD CHARLOTTE, VERMONT 05445

GENERAL NOTES

- Utilities shown do not purport to constitute or represent all utilities located on or under the site. The Contractor shall verify the location and depth of all utilities prior to construction. All discrepancies shall be reported to the Engineer. The Contractor shall contact Dig Safe (888-344-7233) prior to any construction.
- All existing utilities not incorporated into the final design shall be removed or abandoned as indicated on the plans or directed by the Engineer.
- The Contractor shall maintain as-built plans (with ties) for all underground utilities. Those plans shall be submitted to the Owner at the completion of the project.
- The Contractor shall repair/restore all disturbed areas (on or off the site) as a direct or indirect result of the construction.
- All grassed areas shall be maintained until full vegetation is established.
- Maintain all trees outside of construction limits.
- The Contractor shall be responsible for all work necessary for complete and operable facilities and utilities.
- The Contractor shall submit shop drawings for all items and materials incorporated into the site work. Work shall not begin on any item until shop drawing approval is granted.
- In addition to the requirements set in these plans and specifications, the Contractor shall comply with all applicable Vermont State, Federal, and any local Public Works Standards.
- The tolerance for finish grades for all pavement, walkways and lawn areas shall be 0.1 feet.
- Any dewatering necessary for the completion of the sitework shall be considered as part of the contract and shall be the Contractor's responsibility.
- The Contractor shall coordinate all work within Town Road R.O.W. with Town authorities.
- The Contractor shall install the electrical, cable and telephone services in accordance with the utility companies requirements.
- Existing pavement and tree stumps to be removed shall be disposed of at an approved off-site location. All pavement cuts shall be made with a pavement saw.
- If there are any conflicts or inconsistencies with the plans or specifications, the Contractor shall contact the Engineer for verification before work continues on the item in question.
- Property line information is approximate and based on an existing tax map information. This plan is not a boundary survey and is not intended to be used as one.

N/F
R. MACK

N/F
H. OBER
LOT 1A
4.82± AC.

N/F
TED & JOAN
BRAUN

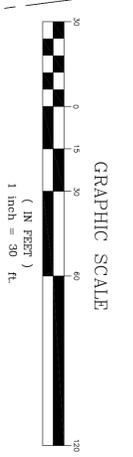
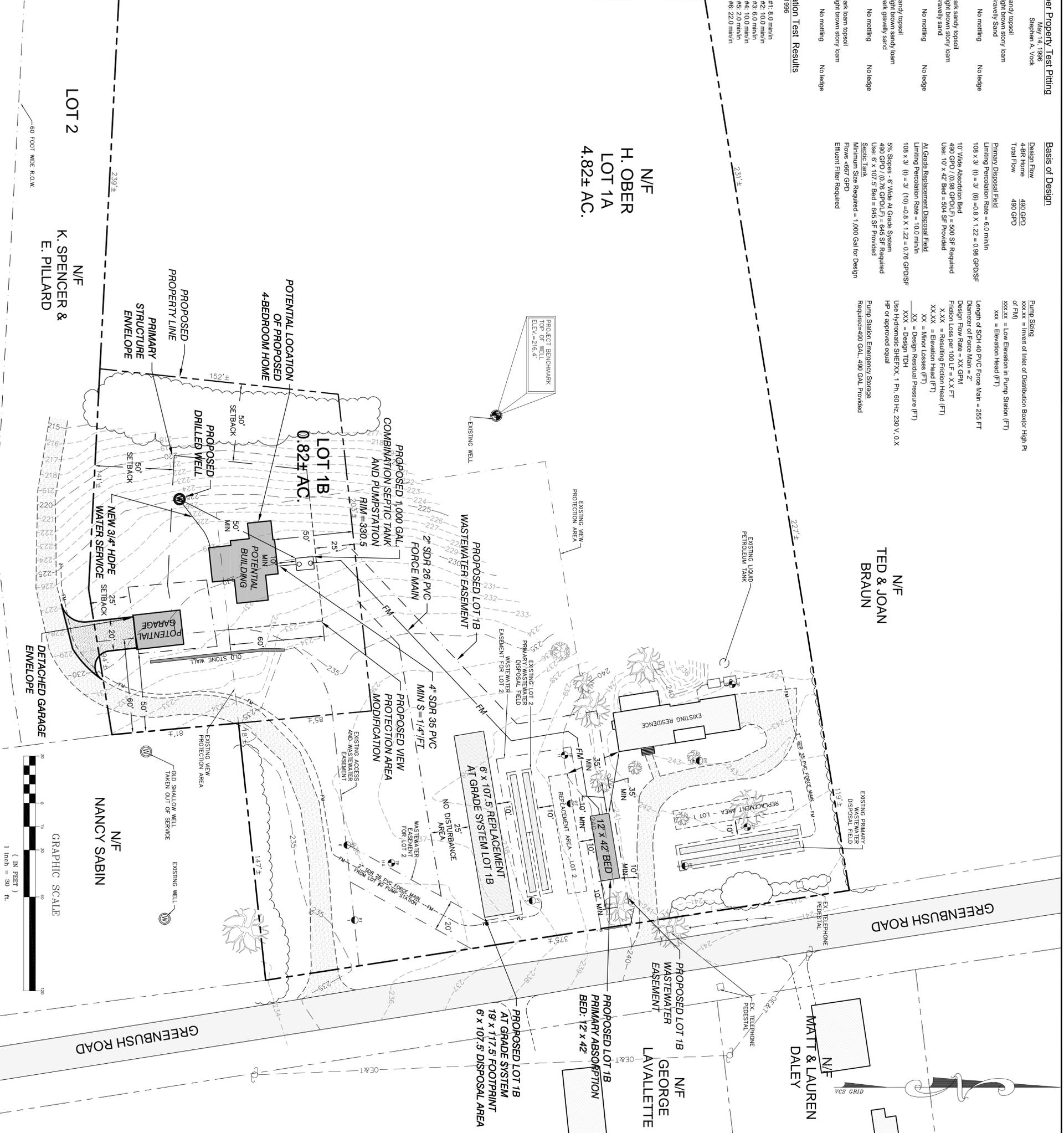
N/F
MATT & LAUREN
DALEY

N/F
GEORGE
LAVALLETTE

N/F
NANCY SABIN

N/F
K. SPENCER &
E. PILLARD

LOT 2



DATE: JUNE, 2013		DRAWING NUMBER: C1.0
SCALE: 1" = 30'		
PROJECT: OBBER-SUBDIVISION GREENBUSH		
LOCATION MAP		
DATE	CHECKED	REVISION
<p>WASTEWATER SITE PLAN</p>		

