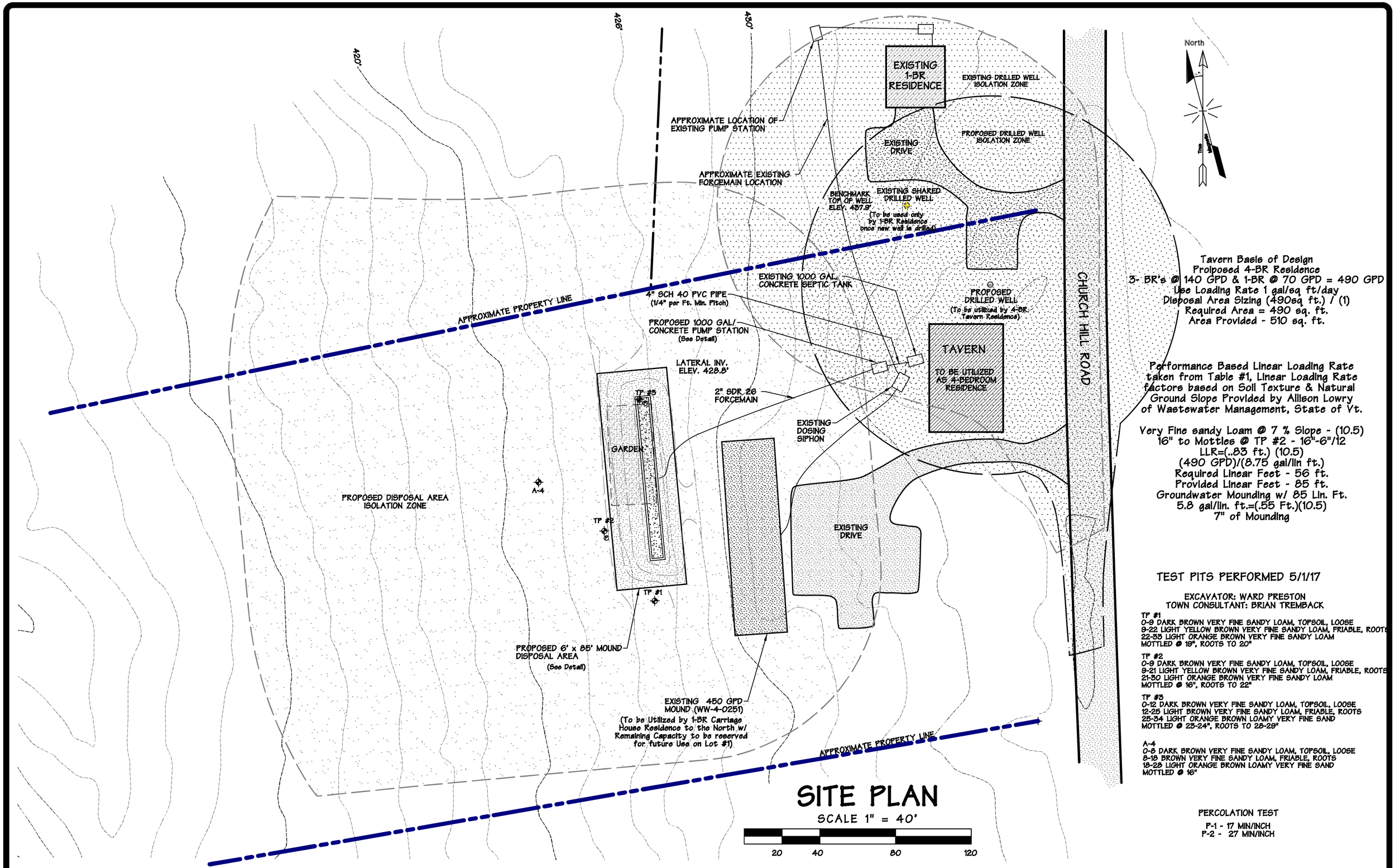

Tavern Basis of Design
Proiposed 4-BR Residence
3- BR's @ 140 GPD & 1-BR @ 70 GPD = 490 GPD
Use Loading Rate 1 gal/sq ft/day
Disposal Area Sizing (490sq ft.) / (1)
Required Area = 490 sq. ft.
Area Provided - 510 sq. ft.

Performance Based Linear Loading Rate taken from Table #1, Linear Loading Rate factors based on Soil Texture & Natural Ground Slope Provided by Allison Lowry of Wastewater Management, State of Vt.

Very Fine sandy Loam @ 7 % Slope - (10.5)
16" to Mottles @ TP #2 - 16"-6"/12
LLR=(..83 ft.) (10.5)
(490 GPD)/(8.75 gal/lin ft.)
Required Linear Feet - 56 ft.
Provided Linear Feet - 85 ft.
Groundwater Mounding w/ 85 Lin. Ft.
5.8 gal/lin. ft.=(.55 Ft.)(10.5)
7" of Mounding

TEST PITS PERFORMED 5/1/17

EXCAVATOR: WARD PRESTON
TOWN CONSULTANT: BRIAN TREMBACK

TP #1
0-9 DARK BROWN VERY FINE SANDY LOAM, TOPSOIL, LOOSE
9-22 LIGHT YELLOW BROWN VERY FINE SANDY LOAM, FRIABLE, ROOTS
22-35 LIGHT ORANGE BROWN VERY FINE SANDY LOAM
MOTTLED @ 19", ROOTS TO 20"

TP #2
0-9 DARK BROWN VERY FINE SANDY LOAM, TOPSOIL, LOOSE
9-21 LIGHT YELLOW BROWN VERY FINE SANDY LOAM, FRIABLE, ROOTS
21-30 LIGHT ORANGE BROWN VERY FINE SANDY LOAM
MOTTLED @ 16", ROOTS TO 22"

TP #3
0-12 DARK BROWN VERY FINE SANDY LOAM, TOPSOIL, LOOSE
12-25 LIGHT BROWN VERY FINE SANDY LOAM, FRIABLE, ROOTS
25-34 LIGHT ORANGE BROWN LOAMY VERY FINE SAND
MOTTLED @ 25-24", ROOTS TO 28-29"

A-4
0-8 DARK BROWN VERY FINE SANDY LOAM, TOPSOIL, LOOSE
8-18 BROWN VERY FINE SANDY LOAM, FRIABLE, ROOTS
18-28 LIGHT ORANGE BROWN LOAMY VERY FINE SAND
MOTTLED @ 16"

PERCOLATION TEST
P-1 - 17 MIN/INCH
P-2 - 27 MIN/INCH

No.	DATE	DESCRIPTION	BY

STATE OF VERMONT
SPENCER K. HARRIS
NO. 310-B
LICENSED DESIGNER

DATE

PATRICK
1355 CHRUCH HILL RD.
CHARLOTTE, VERMONT

TAVERN DISPOSAL SYSTEM UPGRADE

VERMONT CONTOURS INC.

SEPTIC SYSTEM DESIGNS
TOPOGRAPHIC SITE PLANS & MAPPING
G.P.S. MAPPING
P.O. BOX 384
BRISTOL, VERMONT 05443
453-2351

Drawn:	SKH
Date:	9/29/17
Scale:	AS SHOWN
Project:	PATRICK
Sheet:	2 OF 3