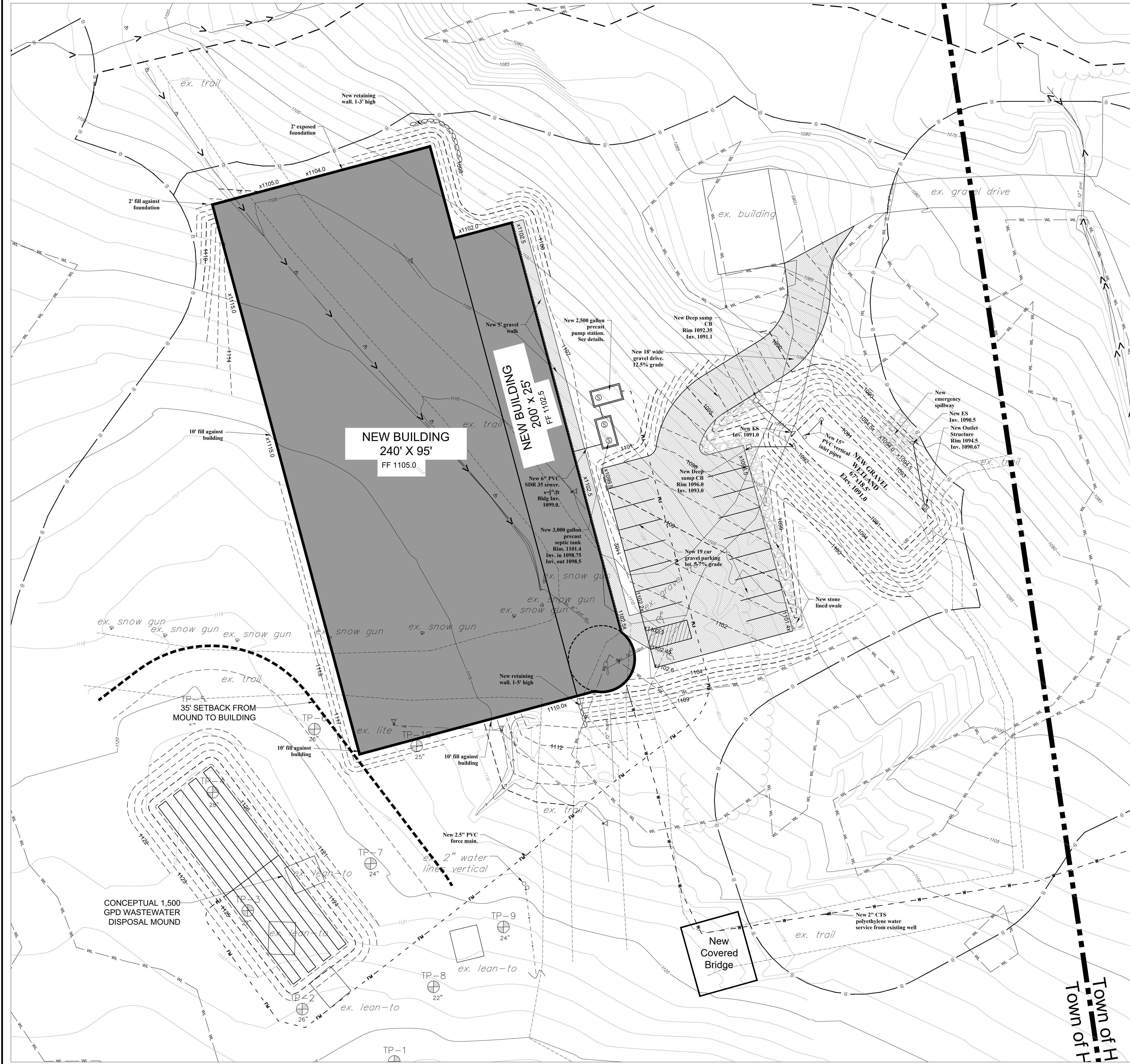




BASIS OF DESIGN FOR MOUND STYLE WASTEWATER DISPOSAL SYSTEM

- DESIGN FLOW:**
- 3 CAMPSITES @ 76 GPD/CAMPSITE = 225 GPD
 - 35 SPORTS ARENA PARTICIPANTS @ 8 GPD/PARTICIPANT = 280 GPD
 - 3 SPORTS ARENA INSTRUCTORS @ 13 GPD/INSTRUCTOR = 39 GPD
 - 3, 2-BEDROOM APARTMENTS @ 140 GPD/BEDROOM = 6 BEDROOMS * 140 GPD = 840 GPD
 - TOTAL DESIGN FLOW = 225 GPD + 280 GPD + 39 GPD + 840 GPD = 1,384 GPD

TOTAL = 1,384 GPD

- APPLICATION RATE:**
- MOUND SYSTEM APPLICATION RATE (Q)
 - Q = 1.0 GPD/S.F.

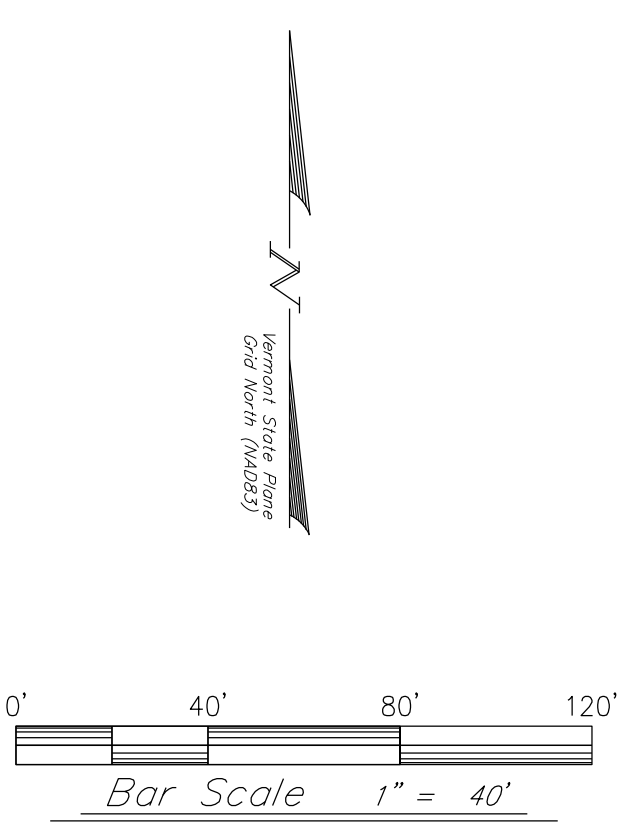
- REQUIRED LEACH AREA:**
- AREA REQUIRED = 1,384 GPD ÷ 1.0 GPD/S.F. = 1384 S.F.
 - USING 4 FT. WIDE TRENCHES
 - REQUIRED SYSTEM LENGTH = 1,384 S.F. ÷ 4 FT. = 346 FT. USE FOUR 94' LONG x 4' WIDE TRENCHES IN MOUND

- REQUIRED BASAL AREA:**
- 0.74 GPD/S.F. FOR SOIL CHARACTERISTICS FROM SOIL TESTING PERFORMED BY KREBS AND LANSING CONSULTING ENGINEERS, INC.
 - 1384 GPD ÷ 0.74 GPD/S.F. = 1,870.2 S.F.
 - BASAL AREA PROVIDED = ±3,948 S.F. > GOOD

- SEPTIC TANK SIZING**
- BASSEPTIC TANK VOLUME = 2 * DESIGN FLOW = 2 * 1,384 = 2,768 GALLONS.
 - USE 3,000 GALLON TANK

KREBS & LANSING
CONSULTING ENGINEERS
164 Main Street, Suite 201
Colchester, Vermont 05446
P: (802) 878-0375
www.krebsandlansing.com

STAMP:



Project:
Snow Farm at Sleepy Hollow
53 Ski Lodge Drive
Huntington, VT 05462

Project No. 25299
Scale 1" = 40'
Drawn by TJB/SWH
Checked by
Date 01/15/2026

Revisions		
No.	Date	Description

Drawing Title
Concept Site Plan

Drawing No.
C-1.1

REFER TO SITE NOTES AND LEGEND
SHEETS X-1.0 & C-1.0