

SITE ENGINEER:



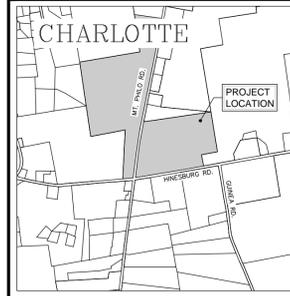
CIVIL ENGINEERING ASSOCIATES, INC.  
10 MANSFIELD VIEW LANE, SOUTH BURLINGTON, VT 05403  
802-864-2323 FAX: 802-864-2271 web: www.ceavt.com

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DRAWN SAL	
CHECKED DSM	
APPROVED DSM	
OWNER:	

**PHILO RIDGE,  
L.L.C.**  
  
2766 MT. PHILO RD.  
CHARLOTTE, VT.

PROJECT:  
  
**SITE  
IMPROVEMENTS**  
  
2766 MT. PHILO RD.  
CHARLOTTE, VT.



LOCATION MAP  
1" = 2000'

DATE	CHECKED	REVISION
07/31/2017	DSM	WELL WATER SERVICE REVISIONS
11/15/2017	DSM	WELL DESIGN BASIS REVISIONS

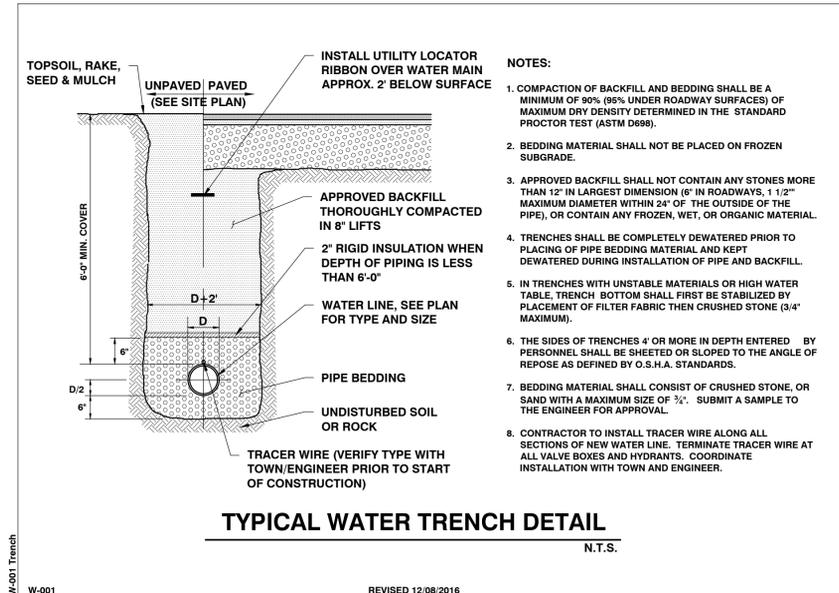
**PROPOSED SITE  
UTILITY PLAN**

DATE  
**NOV., 2016**

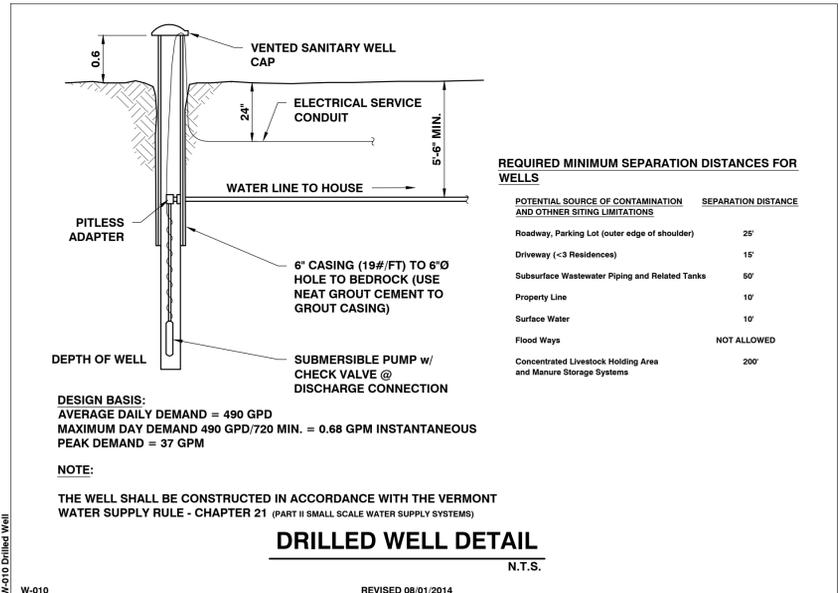
SCALE  
1" = 30'

PROJ. NO.  
**16107**

DRAWING NUMBER  
**C1.3**



- NOTES:
1. COMPACTION OF BACKFILL AND BEDDING SHALL BE A MINIMUM OF 90% (95% UNDER ROADWAY SURFACES) OF MAXIMUM DRY DENSITY DETERMINED IN THE STANDARD PROCTOR TEST (ASTM D698).
  2. BEDDING MATERIAL SHALL NOT BE PLACED ON FROZEN SUBGRADE.
  3. APPROVED BACKFILL SHALL NOT CONTAIN ANY STONES MORE THAN 1/2" IN LARGEST DIMENSION (8" IN ROADWAYS, 1 1/2" MAXIMUM DIAMETER WITHIN 24" OF THE OUTSIDE OF THE PIPE), OR CONTAIN ANY FROZEN, WET, OR ORGANIC MATERIAL.
  4. TRENCHES SHALL BE COMPLETELY DEWATERED PRIOR TO PLACING OF PIPE BEDDING MATERIAL AND KEPT DEWATERED DURING INSTALLATION OF PIPE AND BACKFILL.
  5. IN TRENCHES WITH UNSTABLE MATERIALS OR HIGH WATER TABLE, TRENCH BOTTOM SHALL FIRST BE STABILIZED BY PLACEMENT OF FILTER FABRIC THEN CRUSHED STONE (3/4" MAXIMUM).
  6. THE SIDES OF TRENCHES 4' OR MORE IN DEPTH ENTERED BY PERSONNEL SHALL BE SHEETED OR SLOPED TO THE ANGLE OF REPOSE AS DEFINED BY O.S.H.A. STANDARDS.
  7. BEDDING MATERIAL SHALL CONSIST OF CRUSHED STONE, OR SAND WITH A MAXIMUM SIZE OF 3/8". SUBMIT A SAMPLE TO THE ENGINEER FOR APPROVAL.
  8. CONTRACTOR TO INSTALL TRACER WIRE ALONG ALL SECTIONS OF NEW WATER LINE. TERMINATE TRACER WIRE AT ALL VALVE BOXES AND HYDRANTS. COORDINATE INSTALLATION WITH TOWN AND ENGINEER.



**REQUIRED MINIMUM SEPARATION DISTANCES FOR WELLS**

POTENTIAL SOURCE OF CONTAMINATION AND OTHER SITING LIMITATIONS	SEPARATION DISTANCE
Roadway, Parking Lot (outer edge of shoulder)	25'
Driveway (<3 Residences)	15'
Subsurface Wastewater Piping and Related Tanks	50'
Property Line	10'
Surface Water	10'
Flood Ways	NOT ALLOWED
Concentrated Livestock Holding Area and Manure Storage Systems	200'

