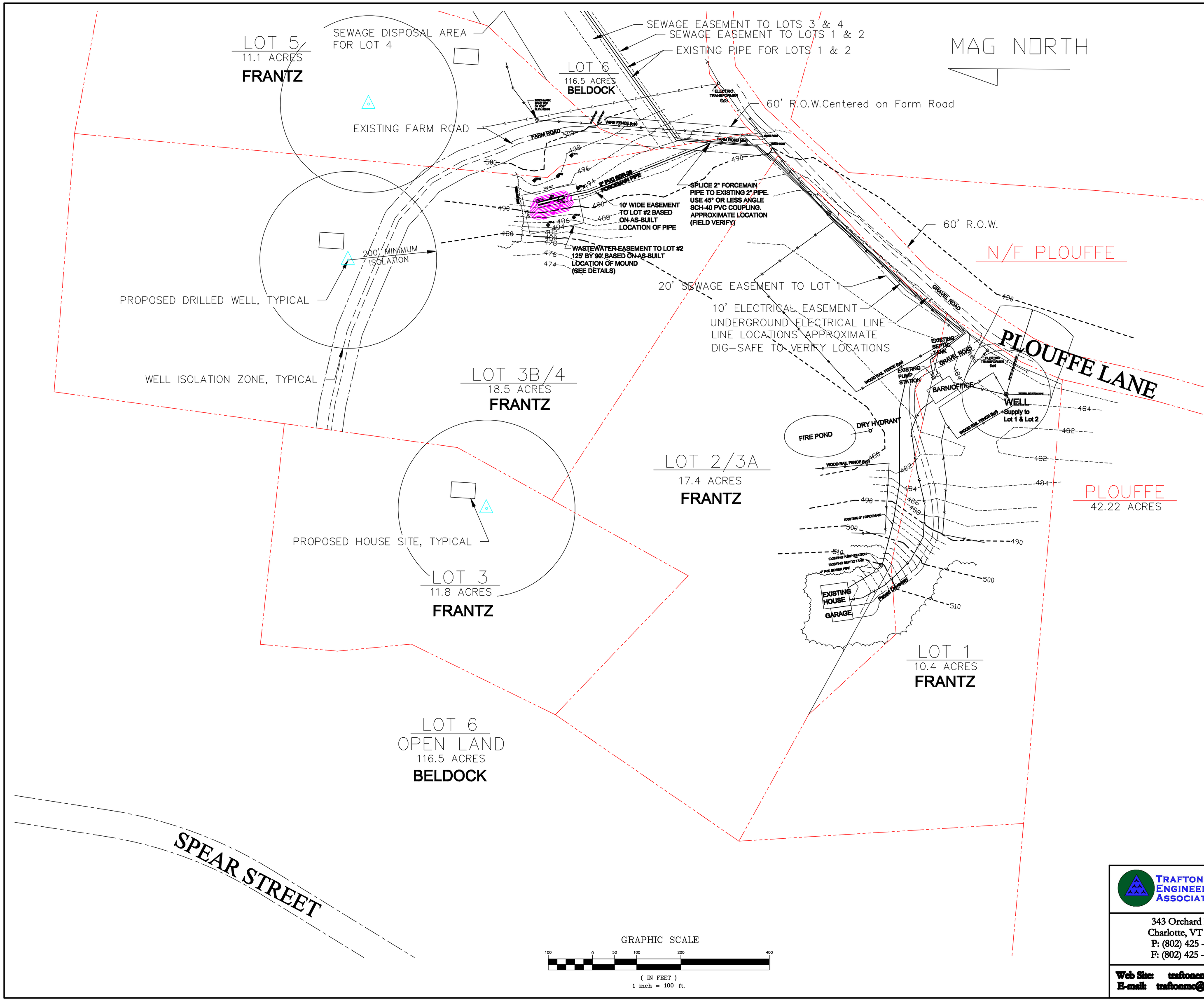
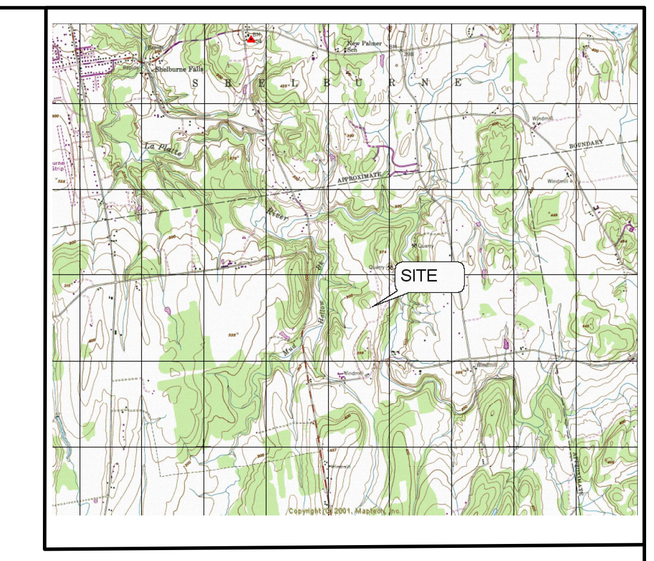




LOCATION MAP
NTS

NOTES

OWNER:	Randolph and Mary Frantz
	250 Plouffe Lane, Charlotte, VT 05445
Lot Size:	17.4 Acres (Lot 2/3A)
Parcel ID:	03 01 031.000 (portion thereof)
Deed:	Vol 94, Pgs 188-190
Zoning District:	Rural

1. This Plan depicts a wastewater leach field replacement layout and design and is not for any other purpose. This is not a survey. Boundary survey and easement information depicted herein is for planning purposes only, and is taken plans provided by the Applicant including:
"SANITARY DESIGN, Mud Hollow Brook, Carpenter Road, Charlotte, Vermont", dated 01/11/96, latest revision 11/05/97, by Frank R. O'Brien P.E., Project 95027, which states that "Boundary information provided by the owner from a plan by Pinkham Engineering Associates titled "Subdivision Plat, Greg Beldock, Carpenter Road, CHarlotte, Vermont" dated 7/18/95 and stamped "PRELIMINARY" ".
"PLOUFFE FARM SUBDIVISION, Gregg & Elizabeth Beldock, Plouffe Lane, Charlotte, Vermont", dated 4/22/97, latest revision 3/29/01, by William A. Robenstein, L.S.
"FINAL PLAT, Page & Randy Frantz & C.F.G., Plouffe Lane, Charlotte, Vermont", dated 10/22/97, by William A. Robenstein, L.S.
Topographic contours shown on this plan are from an elevation survey of the test pit area and Lot #1 & #2 structures, roads, and certain utilities, performed by Willis Design Associates Inc and Trafton Engineering Associates LLC on September 27, 2011.

2. Project Description: The project is a voluntary replacement of a wastewater leach field. The existing 17.4 acre lot (LOT #2/3A) is developed with a 4-bedroom single family residence. A drilled bedrock well located on Lot #1 provides a shared water supply to Lot #1 & #2/3A. Existing system consists of a 1,000 gallon septic, a 1,000 gallon pump tank discharging to a forcemain, conveying effluent to a conventional in-ground trench disposal field located in an easement on Lot #6 (Beldock) . The existing disposal field is to be replaced with a mound system located as indicated on Lot #3B/4 (Frantz) by easement. A new forcemain pipe will tie into the existing pipe on Lot 3B/4 where indicated. The replacement disposal field will consist of a mound with a stone bed with horizontal dimensions of 61 ft by 8 ft. The existing trench leach field will be disconnected and abandoned in place, but will be retained as the future wastewater area for Lot 3 as per the easement on Lot #6.

LEGEND

- Property Line
- Easement/RightofWay
- 100 Existing Contour
- 104 Finish Contour
- Edge of Road/Gravel
- Tree Line

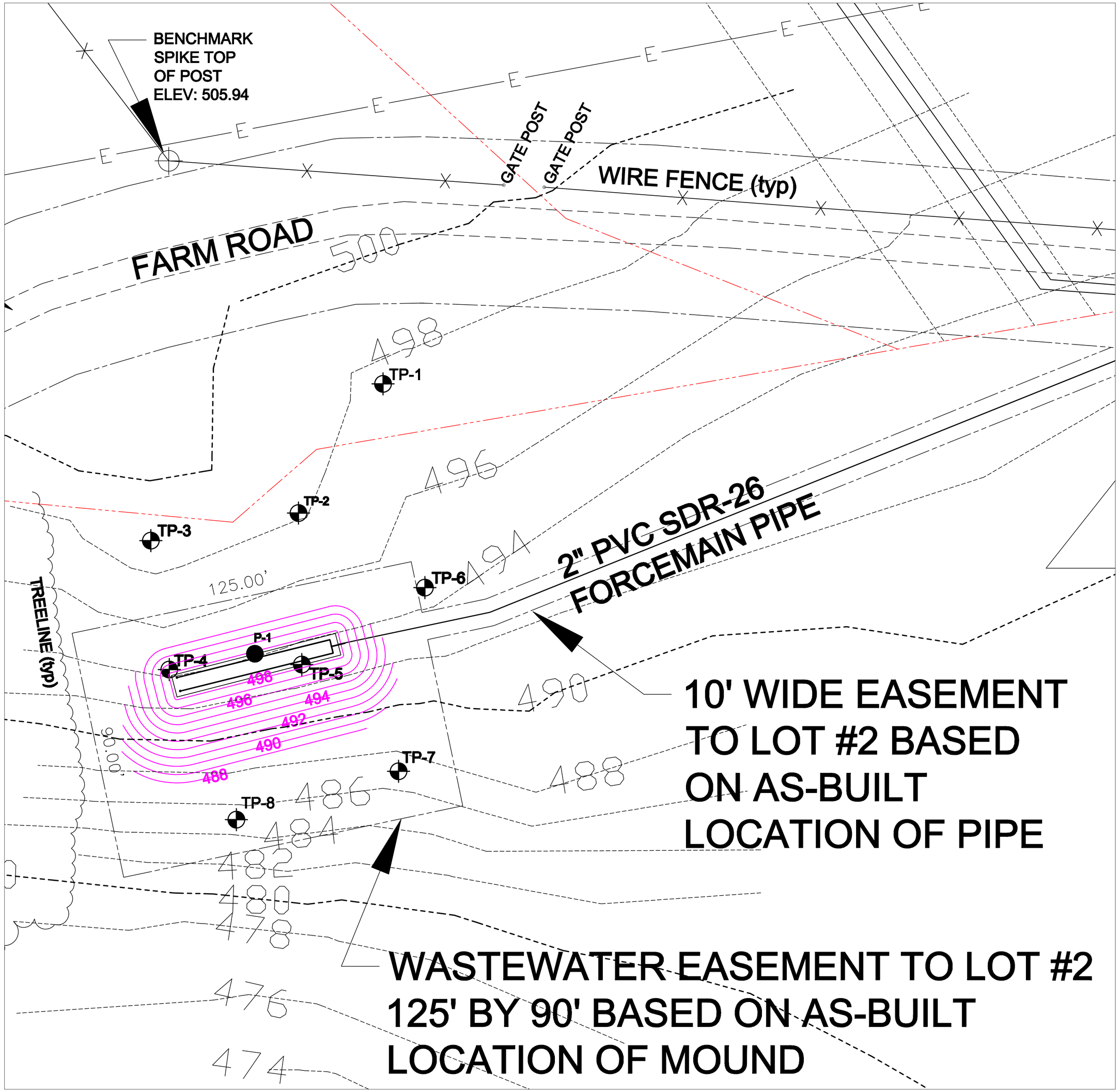
Revision #	Description	Date
0	x	xxxxx
	x	

TRAFTON ENGINEERING ASSOCIATES, LLC
343 Orchard Road
Charlotte, VT 05445
P: (802) 425 - 7761
F: (802) 425 - 7760
Web Site: traftonengineering.com
E-mail: traftonmc@gmavt.net

WW SITE PLAN

Frantz WW
250 Plouffe Lane
Charlotte, VT

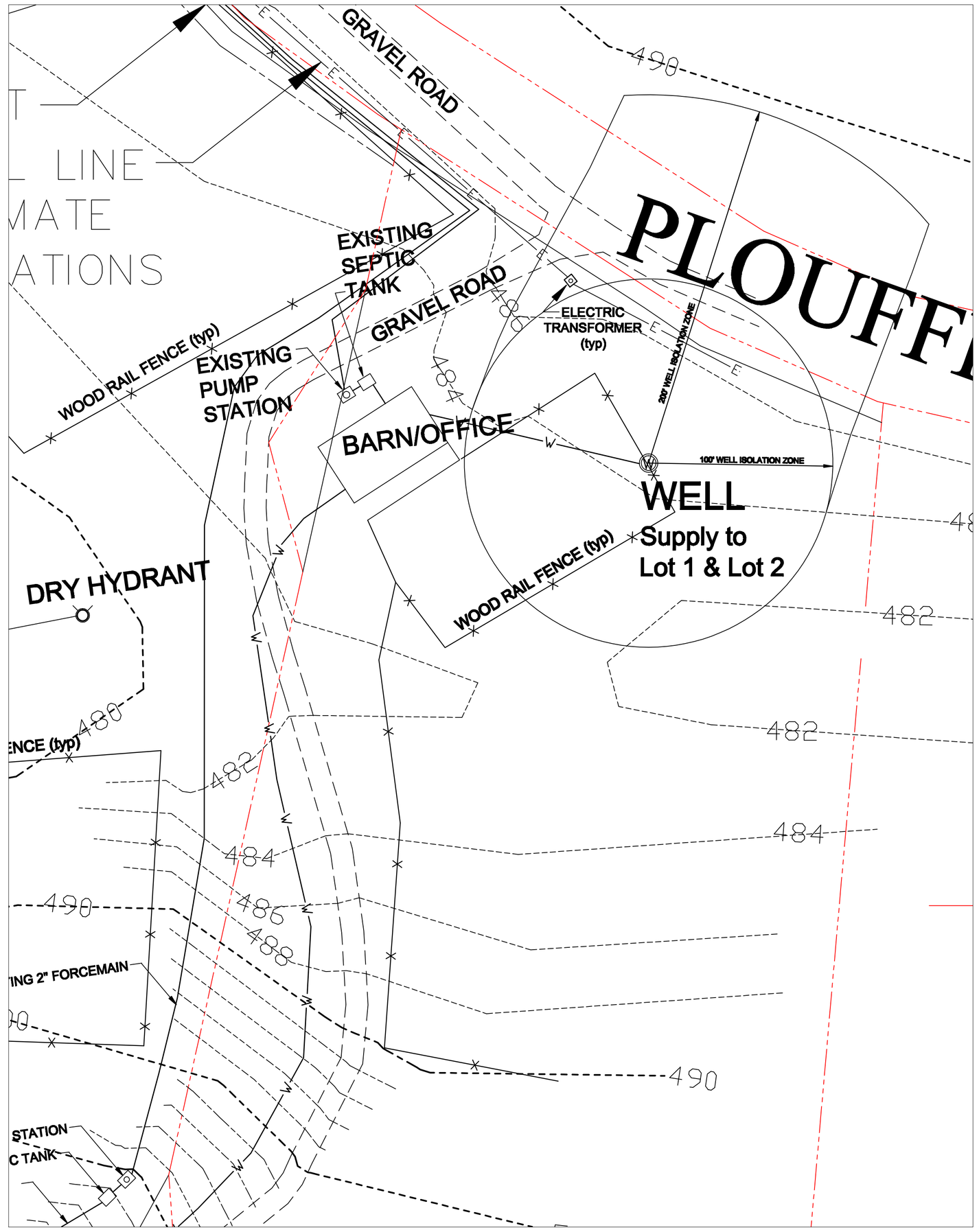
SIZE	DWG Date:	DWG NO.	REV
D	10/12/11	CHL 10008.01	0
SCALE 1" = 100'	Drawn by: TMC	SHEET 1 of 4	



WASTEWATER MOUND DESIGN PLAN

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.



WATER SUPPLY WELL PLAN

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

Revision #	Description	Date
0	x	xx/xx/11

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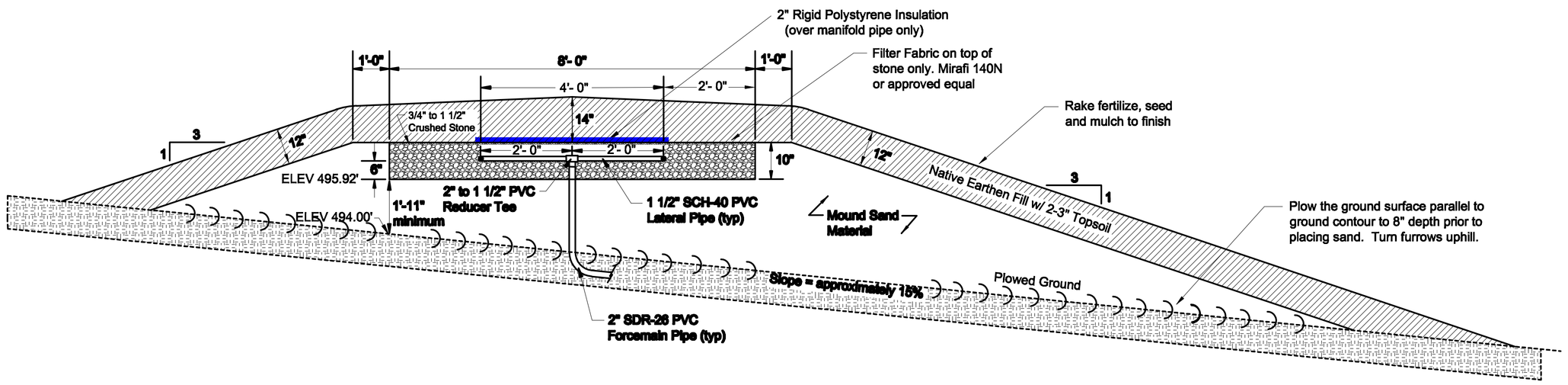
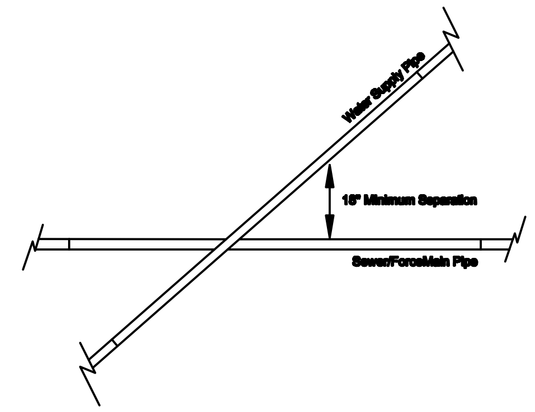
MOUND PLAN

Frantz WW
250 Plouffe Lane
Charlotte, VT

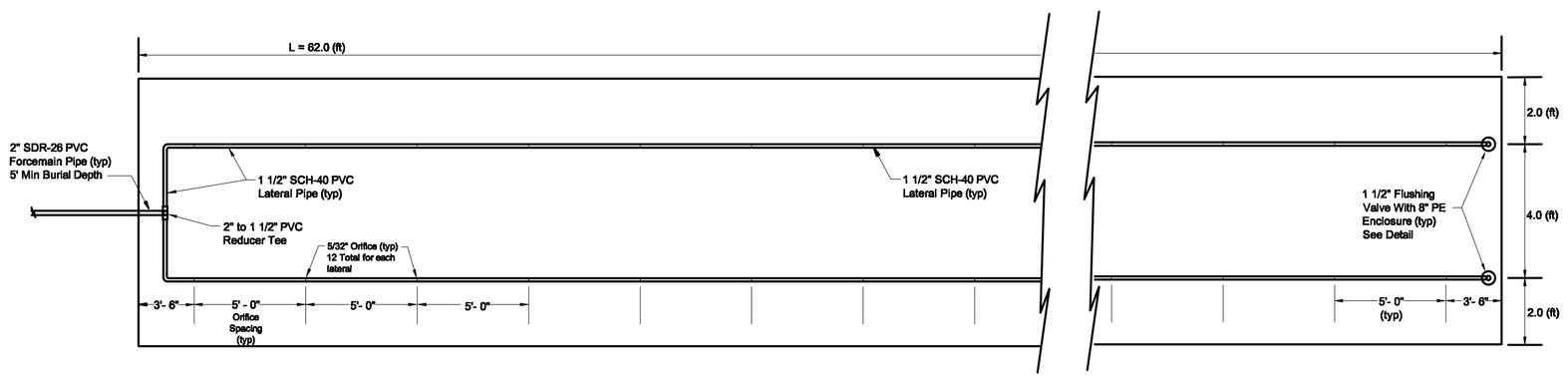
SIZE	FSCM NO.	DWG NO.	REV
D	10/24/11	CHL 10008.02	0
SCALE	Drawn by: TMC	SHEET	2 of 4



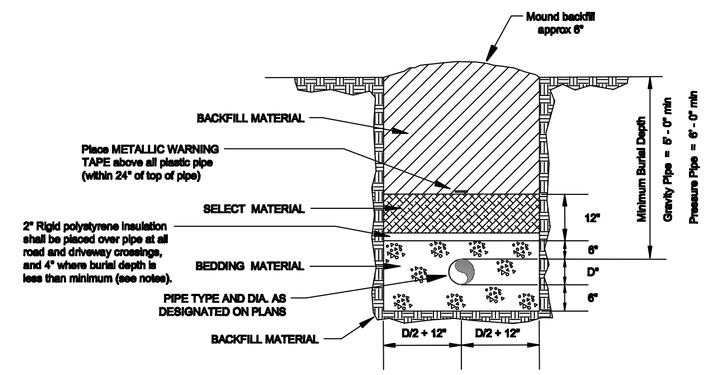
WASTEWATER MOUND PROFILE DETAIL
nts



WATER/SEWER PIPE CROSSING DETAIL
nts



STONE BED PIPING DETAIL
nts

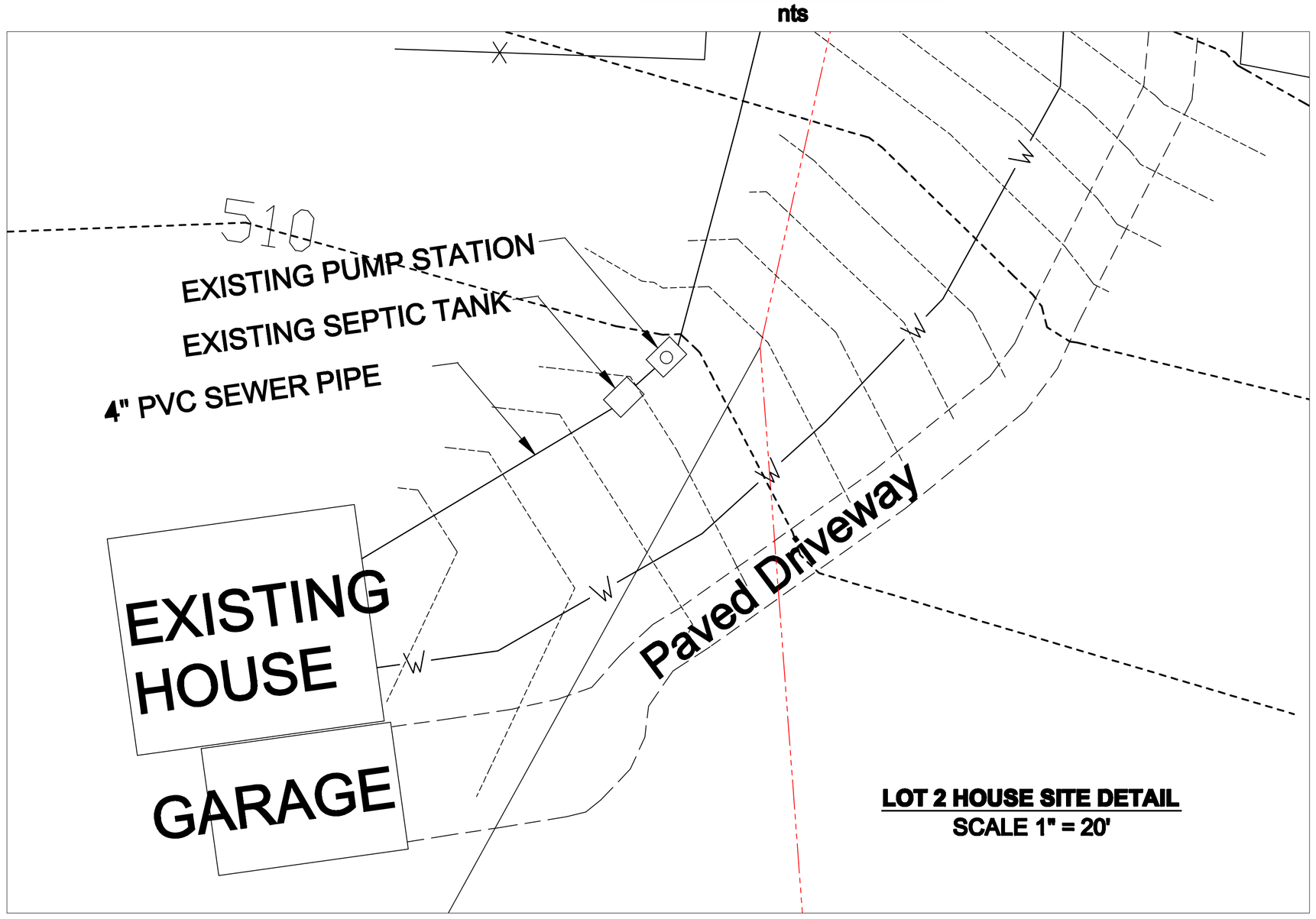


MATERIAL	SANITARY SEWER	WATER MAIN
Bedding Material	Type I, II	Type I or Sand
Select Material	Approved backfill free of stones greater than 1 1/2" diam. Compact in 6 - inch lifts.	
Backfill Material	Approved excavated material compacted in 12" lifts.	

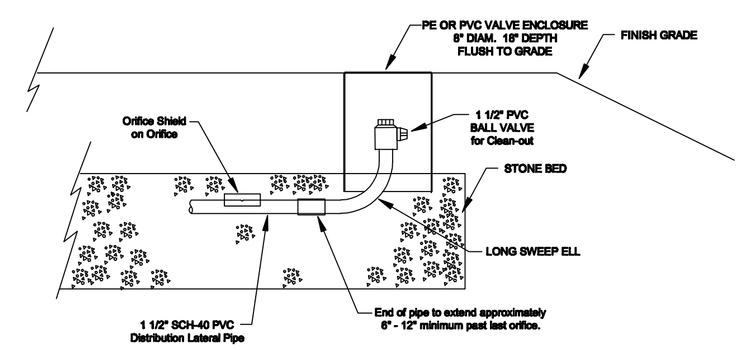
NOTES

1. Backfill material shall contain no stones greater than 3" in diameter, no frozen lumps, and only minimal amounts of clay or organic material. All material to be placed in maximum of 12" lifts and compacted before placing next lift.
   - Type I Material shall be 3/4" clean, hard crushed stone with no frozen lumps, clay or organic material.
   - Type II Material shall be clean, hard crushed stone with a gradation by weight of: 100% passing a 1 1/2" square opening, 30% passing a 3/4" square opening and 0% passing a 1/2" square opening.
   - Sand shall be free from silt, clay, loam or organic materials, conforming to VAOT 703.20 and shall not have any stones greater than 2". Gradation must be: 90% passing a 1 1/2" sieve, not less than 70% passing a 1" sieve, not less than 40% passing a #4 sieve, not more than 30% passing a #100 sieve, and not more than 5% passing a #200 sieve.
2. Backfill designated "compacted" is to 90% - 95% standard proctor, AASHTO T-99. All fill placed below and around any pipes and below pavement must meet this requirement.
3. For all trenches with a longitudinal grade of greater than 4% and/or where groundwater is present, install clay dams around pipe at 100' intervals.
4. Ductile iron pipe may be laid in an excavated trench without 6" bedding below the pipe only if the native material conforms to Type I or Sand.
5. Insulate water or sewer pipe with 4" rigid polystyrene insulation if cover is less than the Minimum Burial Depth. In no case may cover be less than 4 feet for sewer or 5 feet for water mains.

PIPE TRENCH DETAIL
nts



LOT 2 HOUSE SITE DETAIL
SCALE 1" = 20'



CLEANOUT VALVE & VALVE ENCLOSURE DETAIL
nts

Revision #	Description	Date
0	x	xx/xx/11

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WW MOUND DETAILS

Frantz WW
250 Plouffe Lane
Charlotte, VT

SIZE	FROM NO.	DWG NO.	REV
D	10/12/11	CHL 10008.02	0
SCALE	Drawn by: TMC	SHEET 3 of 4	