

Location Plan n.t.s.

Legend

- Project Boundary Line
Adjoiner Boundary Line
Iron Pipe Found
Rebar Set
Well
Test Pit
More or Less
Utility Pole

NOTE: LaRose Surveys, P.C. makes no representations or warranties whatsoever, and disclaim all liability and responsibility for any representation on what the final grading/aesthetics of the septic tank, pump station, septic system and any other earthwork done as part of this plan.

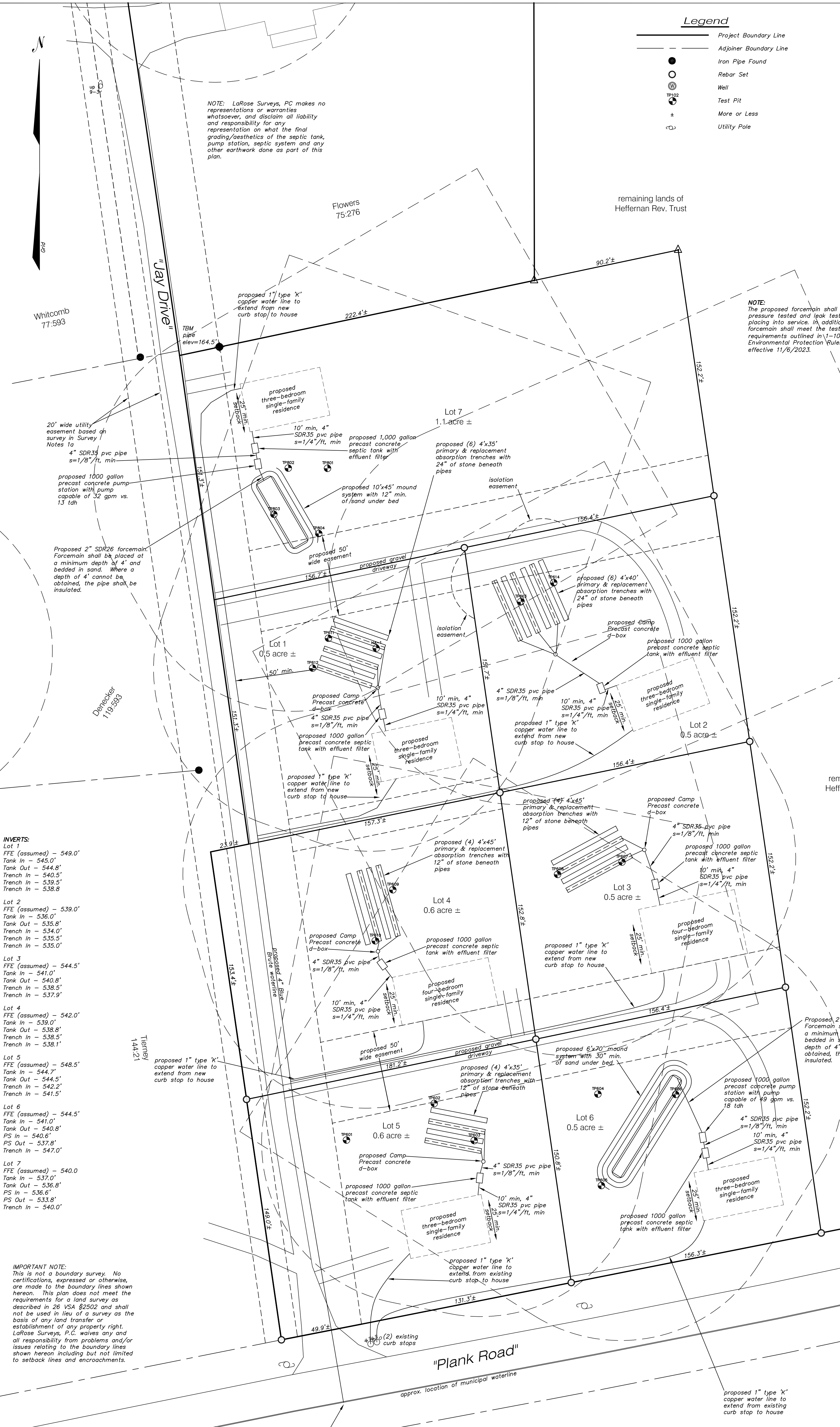
NOTE: The proposed forcemain shall be both pressure tested and leak tested prior to placing into service. In addition, the new forcemain shall meet the testing requirements outlined in 1-1008(b) of Environmental Protection Rules, Chapter 1, effective 11/6/2023.

Water Design Data

- 1. The waterline(s) construction, location, disinfection, and testing shall be in accordance with the State of Vermont Environmental Protection Rule, Chapter 1.
2. Pressure Testing, Flushing, Disinfection, Bacteriological Sampling: Prior to being placed into operation, the newly constructed portions of the Water System shall be pressure tested in accordance with the latest edition of AWWA Standard C600. Following pressure testing, the newly constructed portions of the Water System shall be flushed, pressure tested, disinfected, and flushed again. After this procedure, at least two bacteriological samples will be collected from representative sample points, collected at least 16 hours apart, or 15 minutes apart after at least a 16-hour rest period as per AWWA Standard C651. The samples shall be sent to a Vermont Department of Health certified laboratory for a Total Coliform/E. coli (Enzyme Substrate) test.

Sewage Design Information

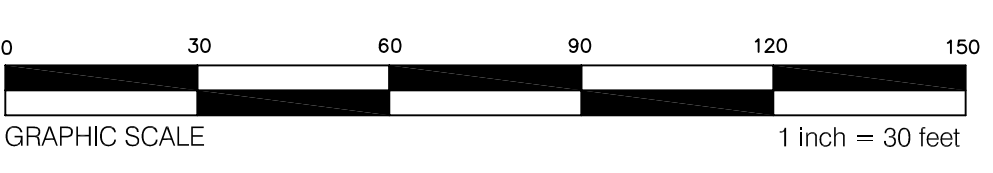
- 1. The proposed sewage disposal system shall be constructed in accordance with all applicable Town Regulations and the State of Vermont Environmental Protection Rules.
2. Basis of design:
Lot 1: Number of bedrooms = 3, Number of occupants = 6, Number of gallons per day = 420, Sandy Loam Application Rate = 0.70 (per Table 9-3), Required Disposal Area = 420 gpd/0.7 gpd/sf = 600 sf, 33% reduction for 24" of stone = 402, Disposal Area Provided = (3) 4' x 35' trenches = 420 sf
Lot 2: Number of bedrooms = 3, Number of occupants = 6, Number of gallons per day = 420, Fine Sandy Loam Application Rate = 0.60 (per Table 9-3), Required Disposal Area = 420 gpd/0.6 gpd/sf = 700 sf, 33% reduction for 24" of stone = 469, Disposal Area Provided = (3) 4' x 40' trenches = 480 sf
Lot 3: Number of bedrooms = 4, Number of occupants = 7, Number of gallons per day = 490, Loamy Sand Application Rate = 1.50 (per Table 9-3), Required Disposal Area = 490 gpd/1.5 gpd/sf = 327 sf, Disposal Area Provided = (2) 4' x 45' trenches = 360 sf
Lot 4: Number of bedrooms = 4, Number of occupants = 7, Number of gallons per day = 490, Loamy Sand Application Rate = 1.50 (per Table 9-3), Required Disposal Area = 490 gpd/1.5 gpd/sf = 327 sf, Disposal Area Provided = (2) 4' x 45' trenches = 360 sf
Lot 5: Number of bedrooms = 3, Number of occupants = 6, Number of gallons per day = 420, Loamy Sand Application Rate = 1.50 (per Table 9-3), Required Disposal Area = 420 gpd/1.5 gpd/sf = 280 sf, Disposal Area Provided = (2) 4' x 35' trenches = 280 sf
Lot 6: Number of bedrooms = 3, Number of occupants = 6, Number of gallons per day = 420, Application Rate = 1.0, Required Disposal Area = 420 gpd/1.0 gpd/sf = 420 sf, Disposal Area Provided = 6' x 70' bed = 420 sf
Lot 7: Number of bedrooms = 3, Number of occupants = 6, Number of gallons per day = 420, Application Rate = 1.0, Required Disposal Area = 420 gpd/1.0 gpd/sf = 420 sf, Disposal Area Provided = 10' x 45' bed = 450 sf
3. The use of garbage disposals is not recommended.
4. If a water treatment system (water softener) is going to be used, the backwash water may not be discharged into the disposal system.



- INVERTS:
Lot 1: FFE (assumed) = 549.0', Tank In = 545.0', Tank Out = 544.8', Trench In = 540.5', Trench In = 539.5', Trench In = 538.8'
Lot 2: FFE (assumed) = 539.0', Tank In = 536.0', Tank Out = 535.8', Trench In = 534.0', Trench In = 535.5', Trench In = 535.0'
Lot 3: FFE (assumed) = 544.5', Tank In = 541.0', Tank Out = 540.8', Trench In = 538.5', Trench In = 537.9'
Lot 4: FFE (assumed) = 542.0', Tank In = 539.0', Tank Out = 538.8', Trench In = 538.5', Trench In = 538.1'
Lot 5: FFE (assumed) = 548.5', Tank In = 544.7', Tank Out = 544.5', Trench In = 542.2', Trench In = 541.5'
Lot 6: FFE (assumed) = 544.5', Tank In = 541.0', Tank Out = 540.8', PS In = 540.6', PS Out = 537.8', Trench In = 547.0'
Lot 7: FFE (assumed) = 540.0', Tank In = 537.0', Tank Out = 536.8', PS In = 536.6', PS Out = 533.8', Trench In = 540.0'

IMPORTANT NOTE: This is not a boundary survey. No certifications, expressed or otherwise, are made to the boundary lines shown hereon. This plan does not meet the requirements for a land survey as described in 26 VSA §2502 and shall not be used in lieu of a survey as the basis of any land transfer or establishment of any property right. LaRose Surveys, P.C. waives any and all responsibility from problems and/or issues relating to the boundary lines shown hereon including but not limited to setback lines and encroachments.

THE CONTRACTOR SHALL NOTIFY "DIGSAFE" AT 1-888-DIG-SAFE PRIOR TO ANY EXCAVATION.



NOTE: Please see Sheet 3 for information concerning the proposed water lines.

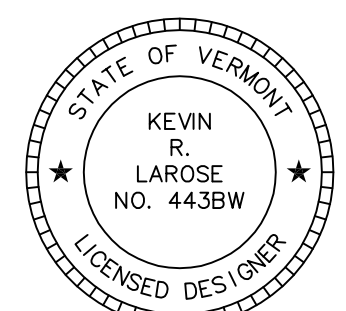
Note: All work surrounding the proposed waterline service must be prior-approved and overseen by the Bristol Water Department. All construction methods must be approved by the Designer and Bristol Water Department.

NOTE: Contour interval is one foot and is based on a combination of Lidar and topographic survey.

VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION logo and permit information: THIS IS SUBJECT TO PROVISIONS OR CONDITIONS LISTED IN PERMIT Permit #: WW-9-1537-4 Date: 04/25/2024

I hereby certify that the design-related information submitted with this application is true and correct, and that, in the exercise of my reasonable professional judgment, the design included in this application for a permit complies with the Vermont Wastewater System and Potable Water Supply Rules and the Vermont Water Supply Rules.

Kevin R. LaRose Licensed Class B Designer



LaRose Surveys, P.C. Land Surveyors - Boundary Consultants Water & Septic System Designers P.O. Box 388 - 25A West Street Bristol, Vermont 05443 802.453.3818 www.larosuresurveys.com info@larosuresurveys.com

Table with 4 columns: Item, Horizontal Distance (feet), Disposal field, and Sewer tank. Lists various water features and their isolation distances.

a site plan of a portion of lands of

HEFFERNAN REVOCABLE TRUST

Plank Road & Jay Drive Bristol, Addison County, Vermont

October 20, 2023