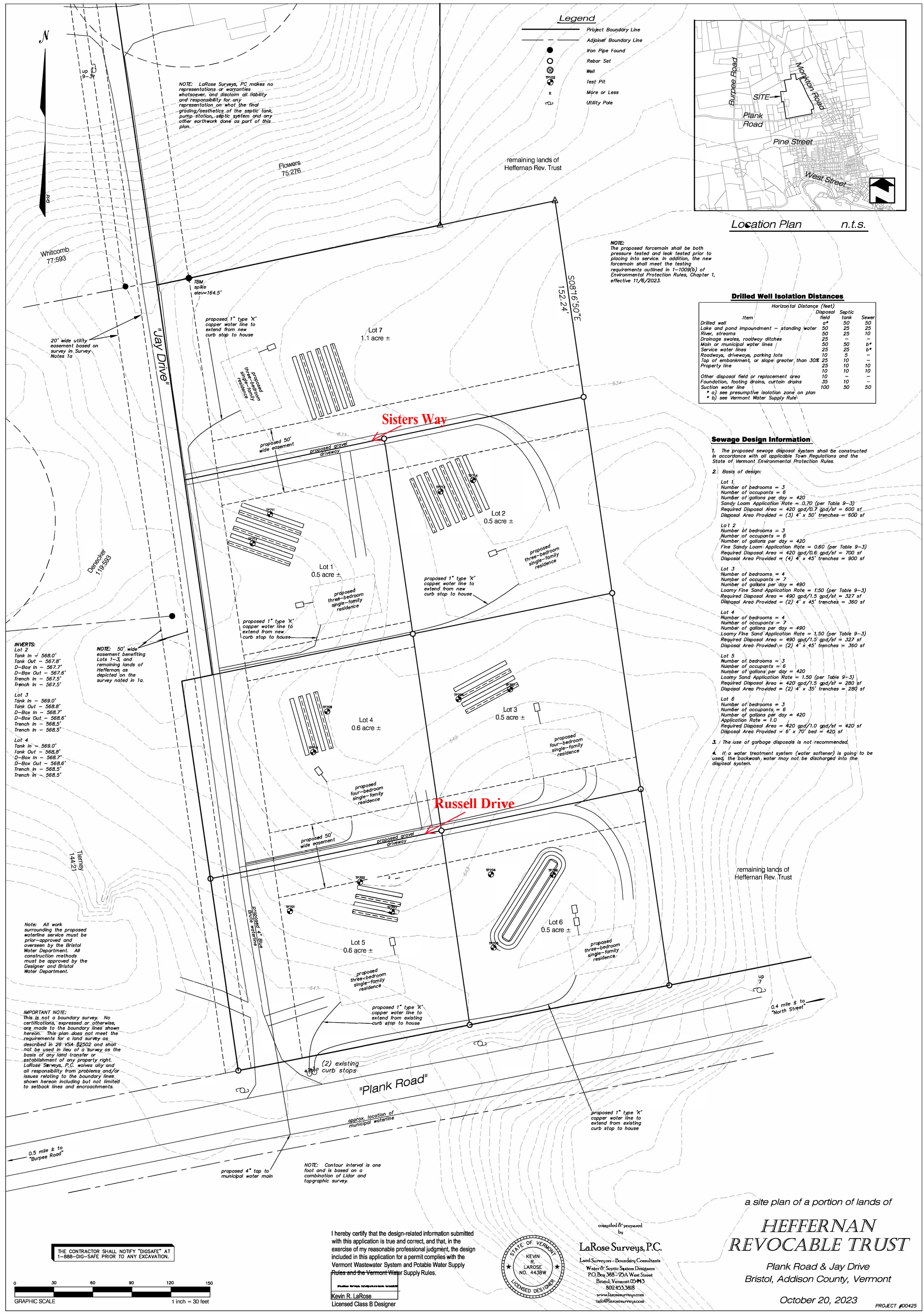
N
Grid
Legend
Project Boundary Line
Adjoiner Boundary Line
Iron Pipe Found
Rebar Set
Well
Test Pit
More or Less
Utility Pole
Location Plan n.t.s.
Burpee Road
Monkton Road
SITE
Plank Road
Pine Street
West Street
NOTE: LaRose Surveys, PC makes no representations or warranties whatsoever, and disclaim all 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.
Flowers 75:276
remaining lands of Heffernan Rev. Trust
Whitcomb 77:593
TBM spike elev=164.5'
S08°16'50"E 152.24'
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 1-1009(b) of Environmental Protection Rules, Chapter 1, effective 11/6/2023.
Drilled Well Isolation Distances
Horizontal Distance (feet)
Item | Disposal field | Septic tank | Sewer
Drilled well | a* | 50 | 50
Lake and pond impoundment – standing water | 50 | 25 | 25
River, streams | 50 | 25 | 10
Drainage swales, roadway ditches | 25 | – | –
Main or municipal water lines | 50 | 50 | b*
Service water lines | 25 | 25 | b*
Roadways, driveways, parking lots | 10 | 5 | –
Top of embankment, or slope greater than 30% | 25 | 10 | –
Property line | 25 | 10 | 10
| 10 | 10 | 10
Other disposal field or replacement area | 10 | – | –
Foundation, footing drains, curtain drains | 35 | 10 | –
Suction water line | 100 | 50 | 50
* a) see presumptive isolation zone on plan
* b) see Vermont Water Supply Rule
proposed 1" type 'K' copper water line to extend from new curb stop to house
Lot 7 1.1 acre ±
20' wide utility easement based on survey in Survey Notes 1a
"Jay Drive"
proposed three-bedroom single-family residence
Sisters Way
proposed 50' wide easement
proposed gravel driveway
Lot 2 0.5 acre ±
Lot 1 0.5 acre ±
Denecker 119:593
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
Disposal Area Provided = (3) 4' x 50' trenches = 600 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
Disposal Area Provided = (4) 4' x 45' trenches = 900 sf
Lot 3
Number of bedrooms = 4
Number of occupants = 7
Number of gallons per day = 490
Loamy Fine 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 Fine 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
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.
proposed 1" type 'K' copper water line to extend from new curb stop to house
INVERTS:
Lot 2
Tank In – 568.0'
Tank Out – 567.8'
D-Box In – 567.7'
D-Box Out – 567.6'
Trench In – 567.5'
Trench In – 567.5'
Lot 3
Tank In – 569.0'
Tank Out – 568.8'
D-Box In – 568.7'
D-Box Out – 568.6'
Trench In – 568.5'
Trench In – 568.5'
Lot 4
Tank In – 569.0'
Tank Out – 568.8'
D-Box In – 568.7'
D-Box Out – 568.6'
Trench In – 568.5'
Trench In – 568.5'
NOTE: 50' wide easement benefiting Lots 1-3, and remaining lands of Heffernan as depicted on the survey noted in 1a.
Lot 4 0.6 acre ±
Lot 3 0.5 acre ±
proposed four-bedroom single-family residence
Russell Drive
proposed 50' wide easement
proposed gravel driveway
remaining lands of Heffernan Rev. Trust
Tierney 144:21
Lot 6 0.5 acre ±
Lot 5 0.6 acre ±
proposed three-bedroom single-family residence
proposed 4" Blue Brute waterline
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.
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.
proposed 1" type 'K' copper water line to extend from existing curb stop to house
(2) existing curb stops
"Plank Road"
approx. location of municipal waterline
0.4 mile ± to "North Street"
0.5 mile ± to "Burpee Road"
proposed 4" tap to municipal water main
NOTE: Contour interval is one foot and is based on a combination of Lidar and topgraphic survey.
THE CONTRACTOR SHALL NOTIFY "DIGSAFE" AT 1-888-DIG-SAFE PRIOR TO ANY EXCAVATION.
0 30 60 90 120 150
GRAPHIC SCALE 1 inch = 30 feet
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
STATE OF VERMONT
KEVIN R. LAROSE NO. 443BW
LICENSED DESIGNER
compiled & prepared by
LaRose Surveys, P.C.
Land Surveyors - Boundary Consultants
Water & Septic System Designers
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Bristol, Vermont 05443
802.453.3818
www.larosesurveys.com
info@larosesurveys.com
a site plan of a portion of lands of
HEFFERNAN REVOCABLE TRUST
Plank Road & Jay Drive
Bristol, Addison County, Vermont
October 20, 2023
PROJECT #00425