

PALD

✓ #1110 \$500.- 6/18/24

BRISTOL WATER DISTRICT

WSID #5002

APPLICATION FOR NEW CONNECTION

RECEIVED
JUN 17 2024
TOWN OF BRISTOL

Date: 6/17/24

Name: Peter Ryersbach

Address: 92 North Street, 1174, Rt. 17, Bristol, VT 05443

Telephone: [REDACTED]

Property Owner: Peter RYERSBACH & Vera Ryersbach Revocable Trust

Parcel Number: _____

Location: 92 North Street, Bristol, VT, 05443

Type of Connection: Single Family
(single family residential, multi-residential, agricultural, commercial, other)

Commentary: proposed 1" type "K" Copper water line to extend from new curb stop to house about 70' from Road to house.
Lot #2 on site plan dated June 15/2015

Signature: [Handwritten Signature]

Date: 6/17/24

Departmental Use Only

Approved: _____ Denied: _____

Remarks: _____

Reviewed by: _____

Date: _____



Town of Bristol
Therese Kirby
Town Administrator
P.O. Box 249
Bristol, VT 05443
(802) 453-2410

June 18, 2015

Mary Ladue
8018 Plank Road
Bristol, VT 05443

Dear Mary,

I am writing to confirm the Town of Bristol Water Department has sufficient supply to provide additional water to your property located on North Street. The Bristol Water District is capable of accommodating the demand requirements for the development of this property for two additional homes with four bedrooms.

Please be aware if you move forward with this project, there is an application, application fee and other fees associated with new connections to the water system which may apply. If you come to the Town Office I would be happy to speak with you about those items. Please let me know if you have any other questions and good luck with your project.

Sincerely,

Therese Kirby
Town Administrator

Cc: file

LaRose Surveying
Simon Operational Services

Operation & Maintenance Recommendations

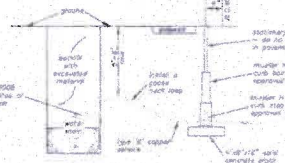
- The main flow's purpose is to collect and store water for the main line and pump station. It should be checked regularly to ensure the system is operating properly. If any leaks or blockages are found, they should be repaired immediately.
- Check the level of the water in the tank. The water level should be maintained at a level that is 12 inches above the bottom of the tank.
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Drilled Well Isolation Distances

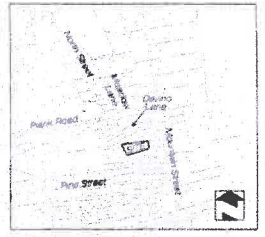
Isolation Distance (Feet)	Depth (Feet)	Radius (Feet)	Area (Sq. Feet)
10	10	10	314
20	20	20	1,256
30	30	30	2,826
40	40	40	5,024
50	50	50	7,850
60	60	60	11,304
70	70	70	15,391
80	80	80	20,096
90	90	90	25,417
100	100	100	31,416

Sewage Design Information

- The proposed sewage disposal system shall be designed in accordance with the following design information and the local government Engineering Department Rules.
 - Flow of sewage:
 - Number of bedrooms = 4
 - Number of occupants = 4
 - Number of gallons per day = 800
 - Population Rate = 200 Gallons Per Day (GPD)
 - Application Rate = 3.0 GPD/Sq. Ft.
 - Required Disposal Area = 267 Sq. Ft.
 - Flow rate:
 - Flow rate = 0.0022 GPM
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 - Number of bedrooms = 4
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 - Flow rate:
 - Flow rate = 0.0022 GPM
- The use of package sewage disposal systems is not recommended.
- If a water treatment system (water softener) is used, the softener water may not be discharged into the disposal system.



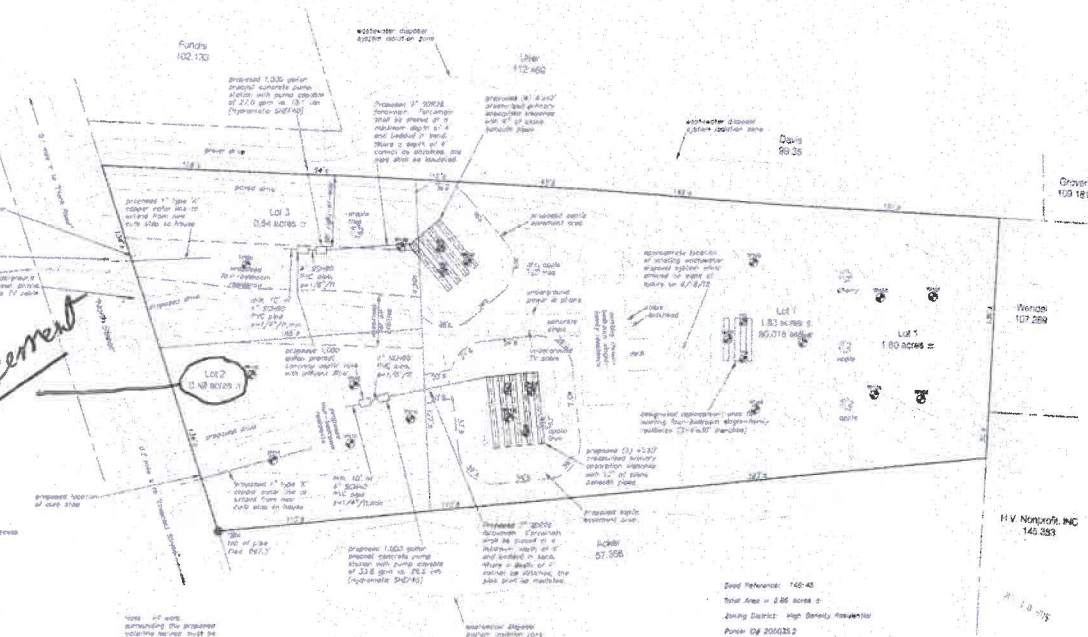
Water Service Detail



Location Plan n.t.s.

Construction Specifications

- The contractor shall be responsible for obtaining all necessary permits from the local government Engineering Department.
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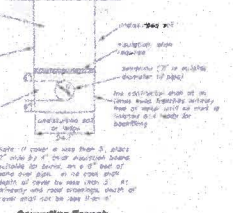
Legend

- Project Boundary Line
- Major Boundary Line
- Temporary Boundary Line
- Street or Lane
- Utility Pole
- Underground Water Line
- Fire Hydrant
- Water Shut-Off
- Provisional Post
- Tree Pit

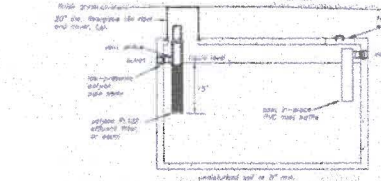
Impaction Recommendations

- The contractor shall be responsible for obtaining all necessary permits from the local government Engineering Department.
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Water Service Detail



Water Service Detail



Sewerline Trench

- Design Notes:**
- Concrete: 4000 psi with 28 days. Reinforcing #4/10 and #6.
 - Reinforcing steel: 60,000 psi with 28 days. #4/10 and #6.
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LaRose Surveys P.C.
 1700 S. Main Street
 Boise, Idaho 83725
 208.333.1111
 www.larosurvey.com

Department of Environmental Conservation
 Approved: _____
 Permit #: _____
 Date: _____



MARY E. LADUE

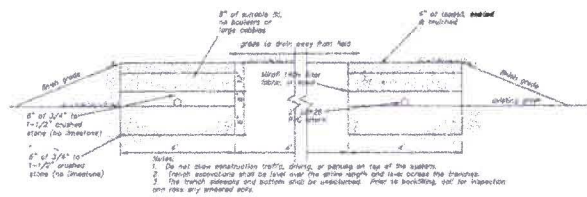
94 North Street
 Bristol, Addison County, Vermont

June 15, 2015

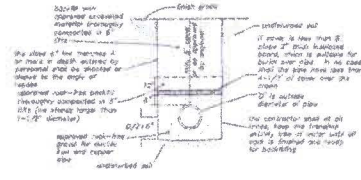


GRAPHIC SCALE

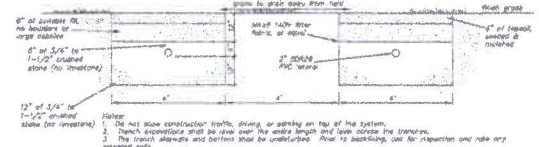
PROJECT #100



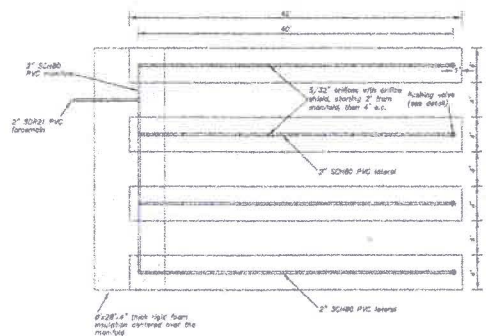
Typical System Detail - Lot 3



Typical Water Trench



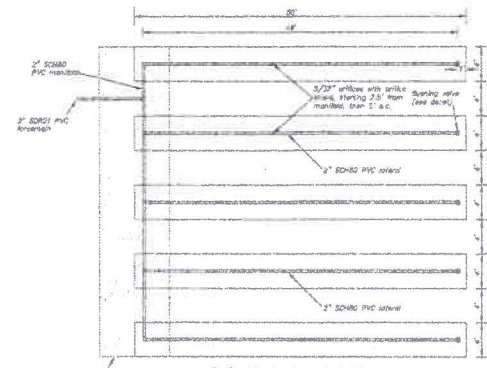
Typical System Detail - Lot 2



Typical System Layout - Lot 3



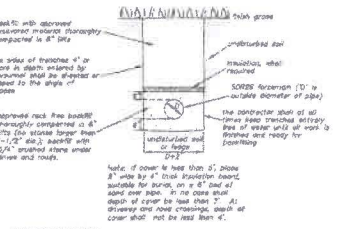
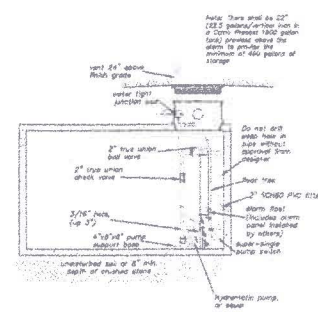
Pushing Valve Detail



Typical System Layout - Lot 2



Griffin Shield Detail



Furman Trench Siphon

Design Notes:
1. 1500 psi concrete, 28 day strength.
2. Use rebar with 180 degree hook.
3. Trench elevations shall be level over the entire length and shall cross the trenches.
4. The trench interior and bottom shall be unobstructed. Prior to backfilling, call for inspection on the area to be inspected only.

1000 Gallon Sewerless Project On-site Pump Station

Furman Trench

a site plan showing a subdivision of lands of
MARY E. LADUE

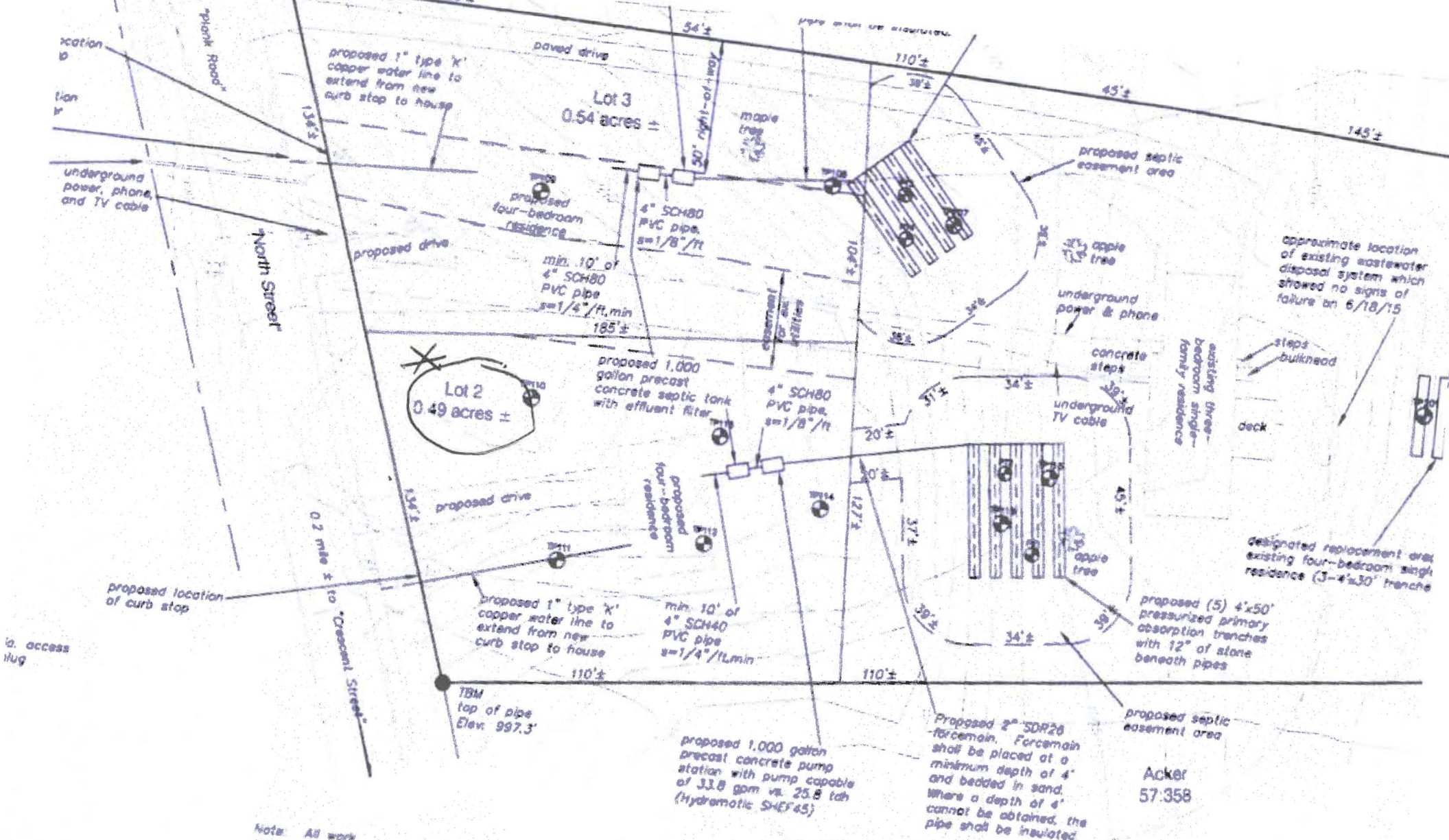
94 North Street
Bristol, Addison County, Vermont

June 15, 2015

LaRose Survey, P.C.
Land Surveyors/Geomatics Engineers
10 Main St. South Ferrisburgh, VT
05475-0001
802-453-3300
www.larosesurvey.com
info@larosesurvey.com

Department of Environmental Conservation
Approved:
Permit # 143-1-2141
Date: 7/23/15
THE CONTRACTOR SHALL NOTIFY "BORGARDT" AT 1-888-882-SAFE PRIOR TO ANY ELEVATION.





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.

compiled & prepared by

Deed
Total
Zone
Part

Acker
57:358

wastewater disposal system isolation zone

designated replacement area existing four-bedroom single residence (3'-4"x30' trench)

approximate location of existing wastewater disposal system which showed no signs of failure on 6/18/15

existing three-bedroom single-family residence

underground power & phone

concrete steps

underground TV cable

proposed (5) 4'x50' pressurized primary absorption trenches with 12" of stone beneath pipes

Proposed 2" SDR20 forcemain. Forcemain shall be placed at a minimum depth of 4' and bedded in sand. Where a depth of 4' cannot be obtained, the pipe shall be insulated

proposed 1,000 gallon precast concrete pump station with pump capable of 33.8 gpm vs. 25.8 tch (Hydromatic S4EF45)

TBM top of pipe Elev. 997.3'

proposed 1" type 'K' copper water line to extend from new curb stop to house

min. 10' of 4" SCH40 PVC pipe s=1/4"/ft. min

proposed four-bedroom residence

4" SCH80 PVC pipe, s=1/8"/ft

proposed 1,000 gallon precast concrete septic tank with effluent filter

min. 10' of 4" SCH80 PVC pipe s=1/4"/ft. min

proposed four-bedroom residence

4" SCH80 PVC pipe, s=1/8"/ft

Lot 3
0.54 acres ±

Lot 2
0.49 acres ±

proposed 1" type 'K' copper water line to extend from new curb stop to house

proposed drive

proposed drive

proposed location of curb stop

0.2 mile ± to "Crescent Street"

North Street

underground power, phone, and TV cable

Spring Road

location of

tion

id. access

thug