



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

Robert R. Scott, Commissioner



December 27, 2019

Brandon Yarmo
Team Yarmo Investments 1, LLC
12 Meadowlark Drive
Hudson, NH 03051
E-mail: byarmo@gmail.com

via e-mail

**CONDITIONAL WELL LOCATION APPROVAL and
REQUEST FOR MORE INFORMATION**

**Re: DR 005666 – Proposed Well at Transient Non-community (TNC) Water System “82 Runnells Bridge Realty Trust”,
82 Runnells Bridge Road, Map 5, Lot 28, Hollis, NH**

Dear Mr. Yarmo:

The New Hampshire Department of Environmental Services, Drinking Water and Groundwater Bureau (NHDES) has reviewed and hereby approves the well location for the above referenced project. This approval allows for the installation of the well; however, prior to constructing, expanding, or modifying any new or existing water system, **Final Approval must be obtained**, in compliance with Env-Dw 406, *Design Standards for Non-Community Water Systems*. If the proposed well location changes, or final approval is not obtained within 4 years of this approval, a new well location application must be reviewed and approved by this office.

In accordance with Env-Dw 406, *Design Standards for Non-Community Water Systems*, the following shall be submitted or confirmed to obtain final approval for the water system:

1. Installation of the well casing at least **one foot above the final finished grade** (Env-Dw 406.18 (b)).
2. **The existing septic system** that is located immediately adjacent to the proposed well location **shall be excavated and removed** in its entirety. This includes the septic tank, distribution box, all piping, and leach field including stone, sand, distribution piping, and underlying biological mat. Any resultant excavation shall be filled with clean fill, so as to remove any safety hazard or repository for standing water near the well. This shall occur before the new well is advanced.
3. The **well shall be advanced using Special Methods and Construction** as identified in We 602.16 relative to the closest distance to the leach field that is to be removed.
4. NH-licensed Well Contractor’s **Well Completion Report** and statement of projected safe yield (We 800 and Env-Dw 406).
5. All wells advanced for the purposes of supplying water for a public water supply shall be constructed by a New Hampshire Licensed Water Well Contractor pursuant to RSA 482-B:5.
6. **Water quality analyses** for parameters listed in Env-Dw 406.14. (STANDARD ANALYSIS (arsenic, bacteria, chloride, copper, fluoride, hardness, iron, lead, manganese, nitrate/nitrite, pH and sodium)).
7. Submittal of Design Review Fee in the amount of \$360.00, by submitting a Check payable to the Treasurer, State of New Hampshire at the time of final application.
8. Provision of a **dedicated source raw water tap followed by a check valve**, or the means to obtain

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discrete raw water samples for each well source. Installation of a check valve is necessary in order to isolate the source water from water within the treatment/distribution system.

9. **Disinfection and flushing of all new piping** in accordance with AWWA C-651 or C-652.
10. If the **existing well on the property will not be used for the public water system, it shall be disconnected from the water system and properly maintained or it shall be sealed** by a NH-licensed water well contractor in accordance with rule We 604, *Abandonment of Wells*. If disconnected, provide photographic proof and written confirmation that the line has been severed.
11. The water usage at this public water system shall not exceed the approved capacity of the subsurface disposal system. If an increase in discharge or change in approved use is planned, please submit an amended plan the DES Subsurface Bureau for review and approval.

This *preliminary* approval is based a submittal received on your behalf from Jason Hill of TF Moran, Inc. on December 3, 2019, which identifies the following:

- Well description/location: Bedrock well (to be numbered "001 BRW1"), 195 feet south of "Proposed Dry Goods Retail" as depicted on Plan entitled "UST Waiver Site Plan, Proposed Site Development" prepared by TF Moran, Inc. of Bedford, NH, dated July 22, 2019, last revised December 16, 2019.
- The purpose of the proposed system is to serve a planned multi-use facility including:
 - a 4500 square foot convenience store with coffee service and a gas station with five (5) pump islands
 - two apartments with a total of three bedrooms
 - a separate 8000 square-foot building for "Proposed Dry Goods Retail".
- The proposed system is described as a Transient, Non-Community (**TNC**) water system.
- The system design flow is 2,311 gallons per day (gpd), (8 residential-equivalent units).
- The Sanitary Protective Area (SPA) is based on a 125-foot radius around the wellhead.

Please feel free to contact me at thomas.willis@des.nh.gov or (603) 271-2953 with any questions on this approval.

Sincerely,



Thomas H. Willis, Jr., PE
Drinking Water and Groundwater Bureau
Small Systems Engineering & Design Review

ec: Jason Hill, PE, TF Moran, Inc. – *via e-mail*
Chuck Corliss, NHDES-ORCB
Dawn Buker, NHDES-SSB