

Note:  
All limits easement of Right of Way are to remain open and undeveloped

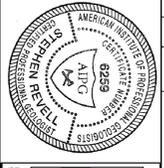
- Legend**
- Proposed Subdivision Lines
  - Right of Way
  - Iron Pipe Found
  - Iron Pipe Srt (18)
  - Diameter (outside)
  - Utility Pole
  - Stone Wall
  - Well - Drilled
  - Telephone Pedestal
  - Electric Pedestal
  - Test Pt
  - PT-41HA-1
  - Percutation Test/Hand Auger
  - Tree Line
  - A/G/BG
  - Above Existing Grade/Below Grade
  - Calculated Point
  - Abutting Property Line
  - Property Line
  - Isolation Zone
  - 2" SDR 26 Force Main
  - Monitoring Well
  - FM
  - TP-1
  - TP-2
  - TP-3
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  - PT-31HA-100

No.	Revision	Date

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, it complies with the Vermont Wastewater System and Potable Water Supply Rules and the Vermont Water Supply Rules.

Sign: **Simon Beaulac, CGC**  
Licensed Class B Designer

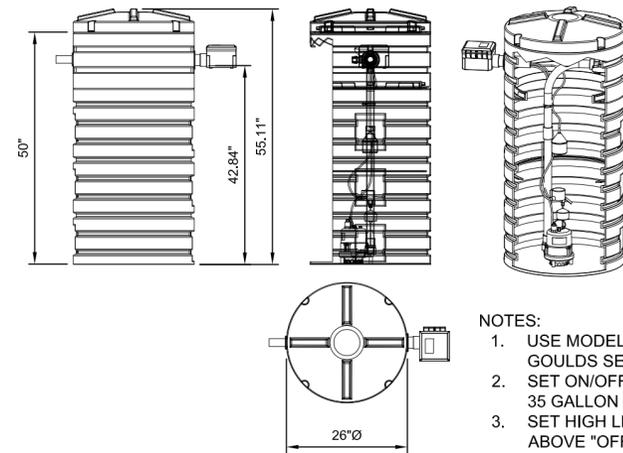
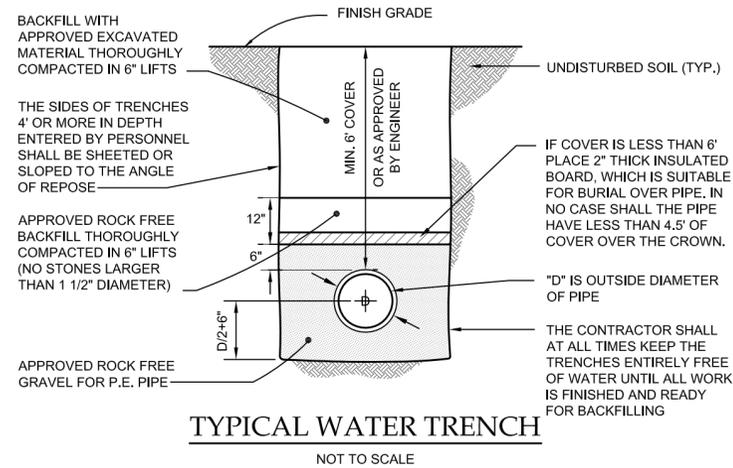
Date: \_\_\_\_\_



**Wilbur Shriner Property**  
1503 Ferry Road  
Charlotte, Vermont

**Site Plan with Proposed Replacement Accessory Structure & Water & Wastewater System Adjustment**

DATE: 07/18/11  
DRAWN BY: JAMES W. BROWN  
CHECKED BY: JAMES W. BROWN  
SCALE: 1"=40'  
SHEET # 1 OF 2



**Submersible Sewage Pump**  
**MODEL 3872**  
**WWO5 Series**

**APPLICATIONS**

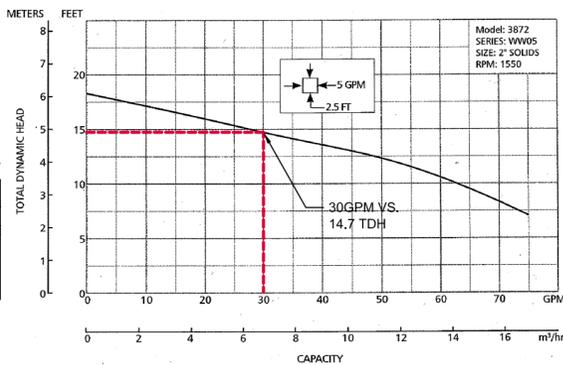
Specifically designed for the following uses:  
• Residential sewage systems  
• Dewatering  
• Water transfer  
Anywhere waste or drainage must be disposed of quickly, quietly and efficiently.

**SPECIFICATIONS**

**Pump:**  
• Solids handling capability: 2" maximum.  
• Capacities: up to 75 GPM.  
• Total heads: up to 18 feet.  
• Discharge size: 2" NPT.  
• Mechanical seal: carbon-rotary/ceramic-stationary, BUNA-N elastomers.  
• Temperature: 104°F (40°C) continuous, 140°F (60°C) intermittent.  
• Fasteners: 300 series stainless steel.  
• Capable of running dry without damage to components.

**PERFORMANCE RATINGS**

Total Head (ft. of water)	Gallons Per Minute
10	63
12	52
14	35
16	20
18	0



**FEATURES**

**Motor**

• Single phase: 1/2 HP, 115 or 230 V, 60 Hz, 1550 RPM, built in overload with automatic reset.  
• Power cord: 10 foot standard length, 16/3 SJTW with three prong grounding plug. Optional 20 foot length, 16/3 SJTW with three prong grounding plug.  
• Fully submerged in high grade turbine oil for lubrication and efficient heat transfer.

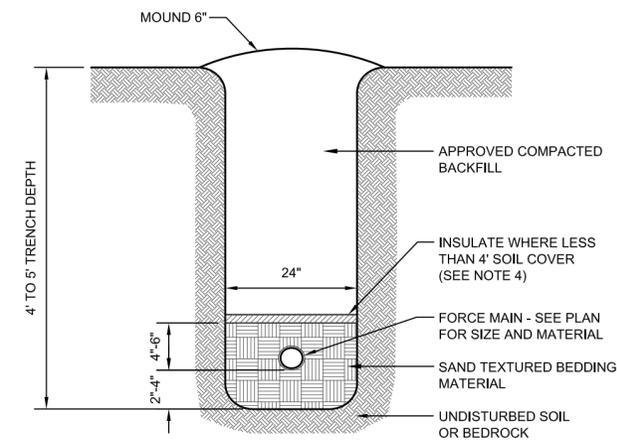
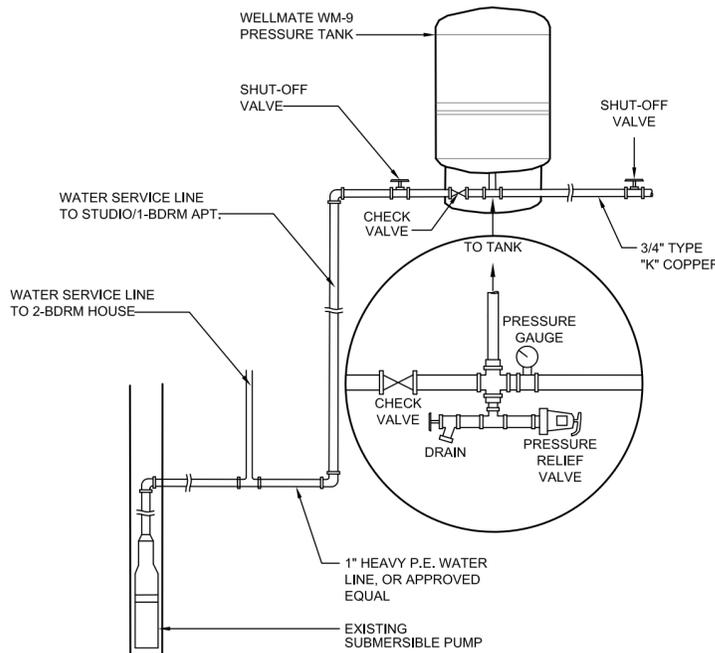
Available for automatic and manual operation. Automatic models include Mechanical Float Switch assembled and preset at the factory.

■ **Impeller:** Glass-filled thermoplastic Full-Vortex design with pump out vanes for mechanical seal protection.  
■ **Casing and Base:** Rugged glass-filled thermoplastic design provides superior strength and corrosion resistance.  
■ **Motor Housing:** Cast iron for efficient heat transfer, strength, and durability.  
■ **Motor Cover:** Thermoplastic cover with integral handle and float switch attachment points.

■ **Bearings:** Upper and lower heavy duty ball bearing construction.  
■ **Power Cable:** Severe duty rated oil and water resistant.  
■ **O-ring:** Provides positive sealing. Easily replaced during maintenance.  
■ **Stainless steel fasteners.**

**AGENCY LISTING**

Canadian Standards Association  
Goulds Pumps is ISO 9001 Registered.



- BACKFILL AND BEDDING SHALL BE PROPERLY COMPACTED.
- BEDDING MATERIAL SHALL NORMALLY CONSIST OF WELL-GRADED SANDS AND GRAVELS WITH A MAXIMUM SIZE OF 3/4".
- BACKFILL SHALL NOT CONTAIN:
  - ANY STONES MORE THAN 12" (1 1/2" MAXIMUM DIAMETER WITHIN 2' OF THE OUTSIDE OF THE PIPE) IN THE LARGEST DIMENSION.
  - BE GREATER THAN 50 POUNDS.
  - CONTAIN ANY FROZEN, WET OR ORGANIC MATERIAL.
- USE RIGID INSULATION AT THE RATE OF 1" FOR EVERY FOOT LESS THAN 4'.
- FORCE MAIN MUST BE TESTED FOR LEAKAGE.
- AT ANY CROSSING UNDER A ROAD OR DRIVE, FORCE MAIN IS TO BE ENCASED IN A 4" PVC SLEEVE, SAID SLEEVE IS TO EXTEND 8' IN EITHER DIRECTION FROM EDGE OF TRAVELED WAY.
- THE SIDES OF THE TRENCHES 4' OR MORE IN DEPTH ENTERED BY PERSONNEL SHALL BE SHEETED OR SLOPED TO THE ANGLE OF REPOSE AS DEFINED BY O.S.H.A. STANDARDS.

**FORCE MAIN TRENCH DETAIL**

NOT TO SCALE

**GRAPHIC SCALE**  
(IN FEET)

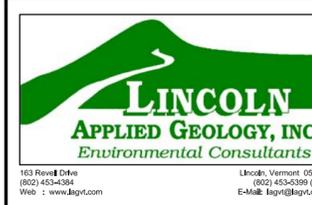


(1"=20')

"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."

Steve Revell, CPG  
Licensed Class B Designer

Date \_\_\_\_\_



**Wilbur Shriner Property**

1503 Ferry Road  
Charlotte, Vermont

**Proposed Water & Wastewater Details**

LAG PROJECT # 05135.1  
DATE: June 25, 2012  
SURVEYORS: EE/TK  
DRAWN BY: TAM  
FIGURE #: 2 of 2