

Jilgenquist Sewer  
10-31-22

Hagen

**JACOBSON PRECAST CONCRETE, LLC**

**TANK INSTALLATION INSTRUCTIONS**

Model # 1650# Date Built: 8-25-22 Gallons: 1650 Bury Depth 21

Model # \_\_\_\_\_ Date Built: \_\_\_\_\_ Gallons: \_\_\_\_\_ Bury Depth \_\_\_\_\_

**SITE CONDITION:**

The site must be accessible to large, heavy trucks. Free of items like trees, stumps, overhead wires, etc. That could interfere with delivery or installation and allows trucks to within 3 to 5 ft of placement excavation.

**EXCAVATION:**

Excavation should be approximately 12" minimum larger than tank size to allow for adequate back fill. This may vary with soil conditions. Excavation shall have a level bottom so the weight bears on the outside walls of the tank.

**BEDDING:**

Each tank should be placed on about 6" of proper bedding material leveled, and should be compacted to minimum 95% compaction if tested, to ensure the life of the tank structure. Bedding must be capable of bearing the weight of the tank. Bedding material shall have the ability of 100% to pass through a 1/2" screen.

**WATER TABLE:**

When tanks are being placed where water levels can potentially be higher than the elevation of the tank cover, an alternate location should be considered. If water table is high installer must also consider the tank may float, if this is a possibility tank must be tied down before backfilling.

**BACKFILL MATERIAL:**

Sidewall of tanks require dry backfill materials that have the ability of 100% to be able to pass through a 2" screen and a minimum of 12" on all sides from the bottom to top of tank. Backfill material shall be placed to avoid impact loads on sidewall of the tank.

**COVER MATERIAL:**

Cover material shall be dry soil, material that has the ability of 100% to be able to pass through a 2" screen. Cover material shall be mounded over tank and around risers to direct run-off away from both.

**INLET & OUTLET:**

Pipe not to exceed 1" past the interior wall of tank where a baffle is used.

**BURIAL DEPTH:** Tanks to be installed according to model's maximum bury recommendations:

**AITKIN COUNTY**  
**CERTIFICATE OF INSTALLATION/~~NOTICE OF NONCOMPLIANCE~~**

This certificate of installation/~~notice of noncompliance~~ has been issued this 2nd day of November, 2022 to certify compliance/~~noncompliance~~ with Aitkin County's Subsurface Sewage Treatment System Ordinance.

The premises covered by this certificate are legally described as: \_\_\_\_\_  
Lot 1 Blk 1 Lueck Addition to Leehaven

Section 21 Township 46 Range 26 Lake \_\_\_\_\_

PERMIT NO. 44127 Owner Name Tyler Hagen

Address 30643 376th Ave Aitkin, mn 56431

Installer Name Liljenquist Sewer

Type of System Inspected Type I Rock Trench Septic

Parcel Number 24-1-126900

The certificate of installation/~~notice of noncompliance~~ was based on No 1 of the following:

- 1) Inspection of the installation or construction as in accordance with the above referenced permit and application design.
  
- 2) Review of as-built plans submitted in accordance with Subdivision 9.2 D of Aitkin County's Subsurface Sewage Treatment System Ordinance.

If the above permitted subsurface sewage treatment system is in noncompliance with Aitkin County's Subsurface Sewage Treatment System Ordinance, then the following shall serve as a Notice of Violation:

- 1) Statement of the findings of fact through inspections or investigations:

\_\_\_\_\_

- 2) List of specific violations of Ordinance: \_\_\_\_\_

\_\_\_\_\_

- 3) Requirements for correction or removal of violations: \_\_\_\_\_

\_\_\_\_\_

- 4) Time schedule for compliance: \_\_\_\_\_

Failure to correct or remove the above violation(s) will result in this matter being turned over to the Aitkin County Attorney's Office for further legal action, which may result in revocation of licenses, fines and/or imprisonment.

INSPECTOR SIGNATURE 

**SUBSURFACE SEWAGE TREATMENT SYSTEM INSPECTION FORM  
AITKIN COUNTY, MINNESOTA**

Township Nordland Date of Inspection 11-2-22 App. Number 2022-009065

Owner Tyler Hagen Parcel Number 24-1-126900

Project Address 30643 376<sup>th</sup> Ave Installer Larry Liljengquist

City Aitkin MN Zip Code 56431

New  Repair

**SETBACKS:**

Buildings to tank(s) 40'  
Buildings to drainfield ~165'  
Well(s) 50' or 100' No well yet  
Lake/Creek/Wetland N/A

**SEPTIC TANKS:**

New  Existing   
Number of tanks installed 1 Jacobson 1650  
Liquid capacity and type 1120 precast  
Type of baffle Plastic  
Inspection pipes -  
Manholes size 20 24" 10 20"  
Manhole to grade Yes  No

**PUMPS:**

New  Existing   
Tank capacity and type 575 precast  
Pump manufacturer & model # Liberty 283  
Horsepower & GPM 5 15gpm  
Feet of head 20'  
Gallons per cycle 112  
Size of discharge line 2"  
Type & location of alarm Elec @ Tank  
Water meter -

DIST. or DROP BOX & TYPE Tuff Tite

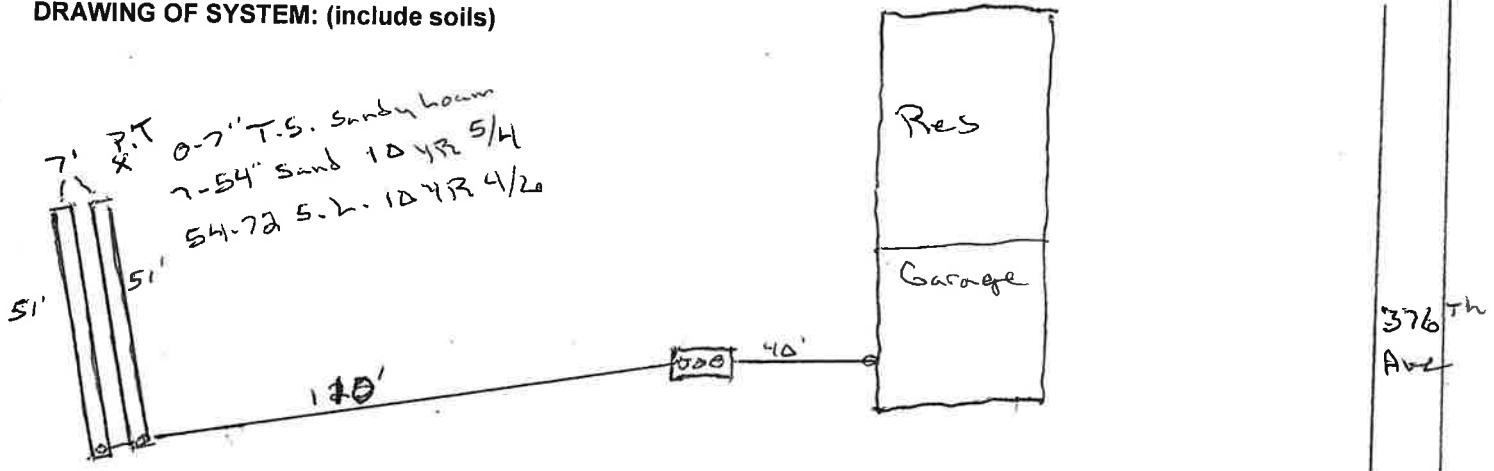
**TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD:**

Trench/Bed depth 18"  
Trench/Bed length 2 @ 51'  
Trench/Bed bottom width 3'  
Trench spacing 7'  
Drainfield rock below pipe 12"  
Size of gravelless pipe -  
Depth of backfill 8"  
Absorption area: square feet 305  
lineal feet 102

**MOUNDS:**

Percent slope -  
Upslope sand width -  
Downslope sand width -  
Sideslope sand width -  
Drainfield rock below pipe -  
Depth of sand below rock -  
Perforation size & spacing -  
Pipe size & spacing -  
Dimensions of rock bed -  
Dimensions of sand base -  
Final cover -

**DRAWING OF SYSTEM: (include soils)**



Inspector's Comments: \_\_\_\_\_

Inspector's Signature [Signature] Installer's Signature [Signature]