

Liljengquist / misfeldt

**JACOBSON PRECAST CONCRETE, LLC**

**TANK INSTALLATION INSTRUCTIONS**

Model # 1650SP Date Built: 6-20-22 Gallons: 1650 Bury Depth 2'

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 25th day of August, 2022 to certify compliance/~~noncompliance~~ with Aitkin County's Subsurface Sewage Treatment System Ordinance.

The premises covered by this certificate are legally described as: S1/2 SE LESS 5.83 AC N OF R/W

Section 20 Township 47 Range 25 Lake \_\_\_\_\_  
PERMIT NO. 47211 Owner Name Ryan & Shawn Misfeldt  
Address 32427 360th St Aitkin, Mn 56431  
Installer Name Liljenquist Sewer  
Type of System Inspected 3 Bdrm Type I Mound  
Parcel Number 15-0-034800

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 Kimberly Date of Inspection 8-25-22 Final App. Number 2022-009323  
 Owner Ryan + Shawn Missfeldt Parcel Number 15-0-034800  
 Project Address 32427 36th St Installer Liljenquist  
 City Aitkin Zip Code 56431

New  Repair

**SETBACKS:**

Buildings to tank(s) 69'  
 Buildings to drainfield 150' +  
 Well(s) 50' or 100' >50'  
 Lake/Creek/Wetland —

**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 2 @ 24" @ 20"  
 Manhole to grade Yes  No

**PUMPS:**

New  Existing   
 Tank capacity and type 53L precast  
 Pump manufacturer & model # Liberty  
 Horsepower & GPM .5 29 gpm 283  
 Feet of head 17  
 Gallons per cycle 112  
 Size of discharge line 2"  
 Type & location of alarm Elec @ Tank  
 Water meter —

**DIST. or DROP BOX & TYPE**

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

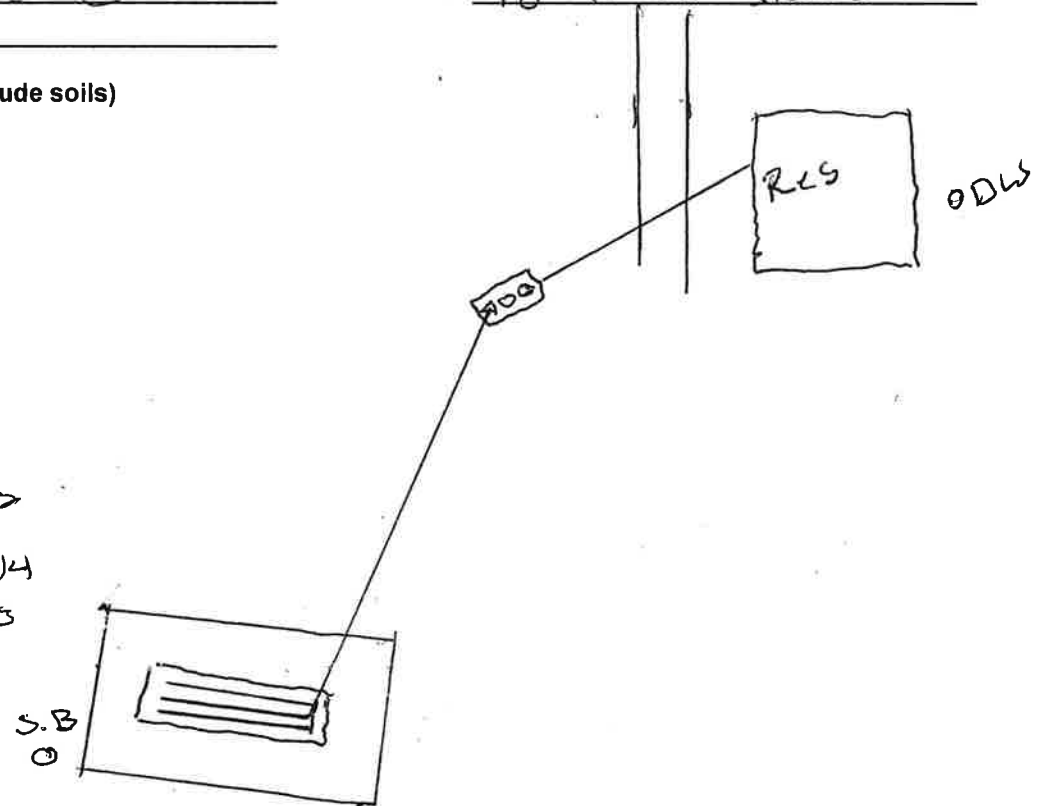
Trench/Bed depth —  
 Trench/Bed length —  
 Trench/Bed bottom width —  
 Trench spacing —  
 Drainfield rock below pipe —  
 Size of gravelless pipe —  
 Depth of backfill —  
 Absorption area: square feet —  
 lineal feet —

**MOUNDS:**

Percent slope 3  
 Upslope sand width 7'  
 Downslope sand width 10'  
 Sideslope sand width 7'  
 Drainfield rock below pipe 9"  
 Depth of sand below rock 2'  
 Perforation size & spacing 1/4" x 3'  
 Pipe size & spacing 1 1/2" x 3'  
 Dimensions of rock bed 16 x 38  
 Dimensions of sand base 27 x 55  
 Final cover 18" T. 12" sides

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

0-6" T.S. 10YR 3/2  
 6-16 loam 10YR 4/4  
 16-19 loam 10YR 4/3  
 19" Redok



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

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