

JACOBSON PRECAST CONCRETE, LLC

TANK INSTALLATION INSTRUCTIONS

Model # 1650SF Date Built: 4-21-23 Gallons: 1650 Bury Depth 3'

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 18th day of July, 2023 to certify compliance/~~noncompliance~~ with Aitkin County's Subsurface Sewage Treatment System Ordinance.

The premises covered by this certificate are legally described as: 3.8 AC OF SE OF SW IN DOC 441657

Section 23 Township 51 Range 26 Lake _____
PERMIT NO. 47804 Owner Name Chery Vessels
Address 35640 600th St Hill City, Mn 55748
Installer Name McNeil Excavating
Type of System Inspected 2 Bdrm Type I Mound
Parcel Number 20-0-037602

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 Macville Date of Inspection 7-18-23 Final 6-22-23 Initial App. Number 2023-000431

Owner Cheryl Vessels Parcel Number 20-0-037602

Project Address 3564D 600th St Installer McNeil Excavating

City Hill City Zip Code 55748

New Repair

SETBACKS:

Buildings to tank(s) 2100'
Buildings to drainfield 2100'
Well(s) 50' or 100' 75'
Lake/Creek/Wetland _____

SEPTIC TANKS: New Existing _____

Number of tanks installed 1 Jacobson 1650
Liquid capacity and type 1120 precast
Type of baffle PP-5-C

Inspection pipes _____
Manholes size 20" 24" 10" 20"
Manhole to grade Yes No _____

PUMPS: New Existing _____

Tank capacity and type 530 Precast
Pump manufacturer & model # Goulds PE41
Horsepower & GPM .4 18 gpm
Feet of head 14
Gallons per cycle 70
Size of discharge line 2"
Type & location of alarm Elec @ Tank
Water meter _____

DIST. or DROP BOX & TYPE _____

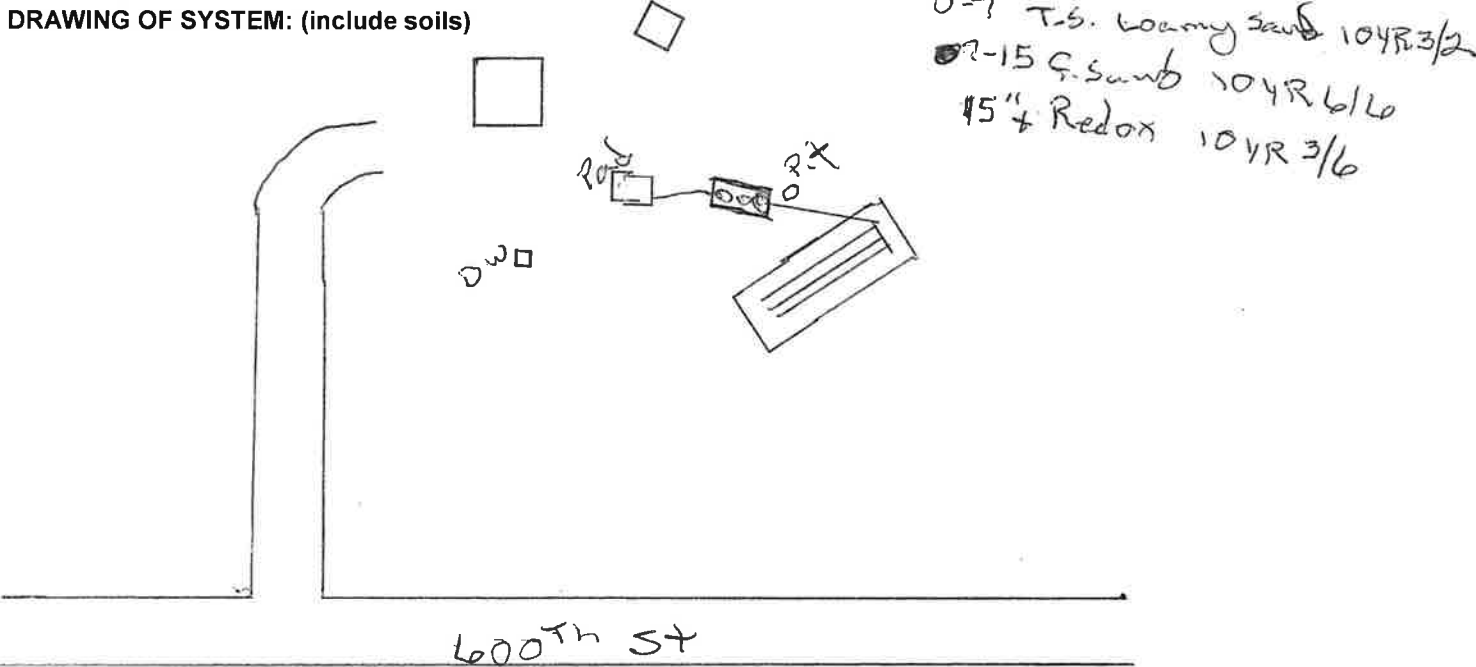
TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD:

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 11
Downslope sand width 14
Sideslope sand width 13
Drainfield rock below pipe 8"
Depth of sand below rock 2'
Perforation size & spacing 1/4" x 3'
Pipe size & spacing 2" x 3'
Dimensions of rock bed 10 x 25
Dimensions of sand base 35 x 50
Final cover 18" T 12" Sides

DRAWING OF SYSTEM: (include soils)



Inspector's Comments: _____

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