

11-1-23
Bob Bortel

37707 MN-18
A1TKIN, MN

JACOBSON PRECAST CONCRETE

TANK INSTALLATION INSTRUCTIONS

Model # 520P Date Built 8.9.23 Gallons: 520 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 1st day of November, 2023 to certify compliance/~~noncompliance~~ with Aitkin County's Subsurface Sewage Treatment System Ordinance.

The premises covered by this certificate are legally described as: _____
Lot 10

Section 21 Township 45 Range 26 Lake Mille Lacs
PERMIT NO. 48336 Owner Name Todd Bohnen, Nancy Thompson
Address 37707 St Hwy 18, Aitkin, MN, 56431
Installer Name _____ Bob Bartel
Type of System Inspected _____ Type 3 3 BR Mound
Parcel Number 36-1-078200

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 or registrations, fines and/or imprisonment.

INSPECTOR SIGNATURE Jody Grund

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

48336

Township Wealthwood Date of Inspection 11/1/2023 App. Number 2023-001241

Owner Todd Bohnen Nancy Thompson Parcel Number 36-1-078200

Project Address 37707 St Hwy 18 Installer Bob Bartel

City Aitkin Zip Code 56431 Type 3 3BR mound

New Repair

SETBACKS:

Buildings to tank(s) 10'

Buildings to drainfield 20'

Well(s) 50' or 100' > 50'

Lake/Creek/Wetland Millie Lacs

SEPTIC TANKS: New Existing

Number of tanks installed 1

Liquid capacity and type 1500 existing

Type of baffle Plastic

Inspection pipes plastic

Manholes size 1-20"

Manhole to grade Yes No

PUMPS: New Existing

Tank capacity and type 530 Jacobson Pump

Pump manufacturer & model # liberty 283

Horsepower & GPM 29gpm

Feet of head 10'

Gallons per cycle 117 gallons

Size of discharge line 2"

Type & location of alarm Electric 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 0%

Upslope sand width 2'

Downslope sand width 2'

Sideslope sand width 2'

Drainfield rock below pipe 6"

Depth of sand below rock 16"

Perforation size & spacing 1/4" 3"

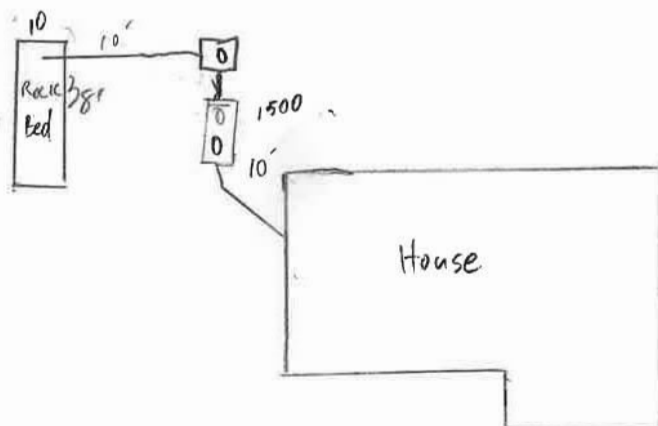
Pipe size & spacing 2" 3"

Dimensions of rock bed 10x38'

Dimensions of sand base 14x42'

Final cover 18"

DRAWING OF SYSTEM: (include soils)



Inspector's Comments: Existing 1500 gallon Tank per prior design.

Inspector's Signature Jody Howard Installer's Signature Bob Bartel