

Lange Nursing
9-26-23

JACOBSON PRECAST CONCRETE

TANK INSTALLATION INSTRUCTIONS

Model # 520P Date Built: 7-17-23 Gallons: 520 Bury Depth 1'

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:

0-8" top soil loamy sand
8-10" fine sand

AITKIN COUNTY
CERTIFICATE OF INSTALLATION/NOTICE OF NONCOMPLIANCE

This certificate of installation/~~notice of noncompliance~~ has been issued this 26th day of September, 2023 to certify compliance/~~noncompliance~~ with Aitkin County's Subsurface Sewage Treatment System Ordinance.

The premises covered by this certificate are legally described as: _____
(SWSW) Lot 7 Less 3.58 AC in DOC #176453 less R/W & less the pt lying s and w of co hwy 12

Section 36 Township 51 Range 24 Lake _____
PERMIT NO. 48176 Owner Name William Klennert
Address 22332 579th St, Jacobson 55752
Installer Name _____ Dave Lange
Type of System Inspected _____ Type 1 at grade pressure bed
Parcel Number 33-0-057700

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**

Township Verdon Date of Inspection _____ App. Number 2023-00826
 Owner William Klennert Parcel Number 33-0-057700
 Project Address 22332 579th St Installer Dave Lange
 City Jacobson Zip Code 55752

New Repair

SETBACKS:
 Buildings to tank(s) 15'
 Buildings to drainfield 20'
 Well(s) 50' or 100' 100'
 Lake/Creek/Wetland _____

SEPTIC TANKS: New _____ Existing
 Number of tanks installed (1) 520 pump tank
 Liquid capacity and type 1350
 Type of baffle Plastic
 Inspection pipes
 Manholes size 20"
 Manhole to grade Yes No _____

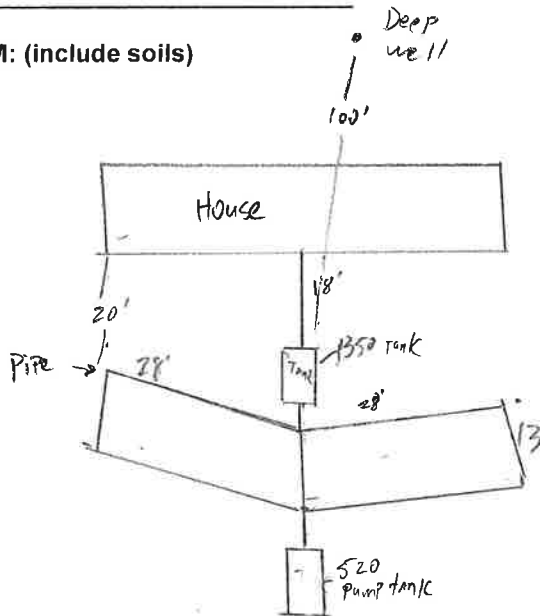
PUMPS: New Existing _____
 Tank capacity and type Jacobson 520
 Pump manufacturer & model # Zoeller 98
 Horsepower & GPM 1.5 33 gpm
 Feet of head 13.5'
 Gallons per cycle 110 gallons
 Size of discharge line 2"
 Type & location of alarm Electric at Pump tank
 Water meter _____

DIST. or DROP BOX & TYPE _____

TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD:
 Trench/Bed depth 12'
 Trench/Bed length 56.3'
 Trench/Bed bottom width 13.3'
 Trench spacing NA
 Drainfield rock below pipe 8" 12"
 Size of gravelless pipe 2"
 Depth of backfill NA
 Absorption area: square feet 748.8
 lineal feet _____

MOUNDS:
 Percent slope 16%
 Upslope sand width 4.6'
 Downslope sand width 19.6'
 Sideslope sand width 9.6'
 Drainfield rock below pipe 12"
 Depth of sand below rock N/A
 Perforation size & spacing 1/4" - 2.5"
 Pipe size & spacing 2"
 Dimensions of rock bed 12' x 56.3'
 Dimensions of sand base 25' x 75'
 Final cover 12"

DRAWING OF SYSTEM: (include soils)



0-8" top soil loamy sand
 8"-40" fine sand

Inspector's Comments: _____

Inspector's Signature [Signature] Installer's Signature [Signature]
 Rev: 1/13 White - County Yellow - Applicant Pink - Installer