

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

This certificate of installation/~~notice of noncompliance~~ has been issued this _____ day of _____, 20____ to certify compliance/~~noncompliance~~ with Aitkin County's Subsurface Sewage Treatment System Ordinance.

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

Section _____ Township _____ Range _____ Lake _____
PERMIT NO. _____ Owner Name _____
Address _____
Installer Name _____
Type of System Inspected _____
Parcel Number _____

The certificate of installation/~~notice of noncompliance~~ was based on No ___ 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 _____

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

Township Shamrock Date of Inspection 7/12/2023 F App. Number 2023-02999
6/5/2023 I 47700

Owner Joel + Robbie Danko Parcel Number 29-1-158100

Project Address 48525 194th Pl. Installer Adam Ladd

City McGregor Zip Code 55760 T1 ZBR mound

New Repair

DIST. or DROP BOX & TYPE —

SETBACKS:

Buildings to tank(s) 10'+

Buildings to drainfield 50'+

Well(s) 50' or 100' SW: 100'+

Lake/Creek/Wetland Minnewawa'

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 —

SEPTIC TANKS: New Existing

Number of tanks installed 2

Liquid capacity and type 1000G Jac.

Type of baffle plastic

Inspection pipes —

Manholes size 24"

Manhole to grade Yes No

MOUNDS:

Percent slope 0%

Upslope sand width 2.5'

Downslope sand width 2.5'

Sideslope sand width 2.5'

Drainfield rock below pipe 9"

Depth of sand below rock 12"

Perforation size & spacing 0.25"/36" sp.

Pipe size & spacing 1.5"/36" sp.

Dimensions of rock bed 10'x25'

Dimensions of sand base 15'x30'

Final cover 12" cover over 6" TS

PUMPS: New Existing

Tank capacity and type 500G Jac.

Pump manufacturer & model # Gould PE41

Horsepower & GPM 0.4 HP 18GPM

Feet of head 21'

Gallons per cycle 52GPC

Size of discharge line 2"

Type & location of alarm Elec. on tank

Water meter —

DRAWING OF SYSTEM: (include soils)

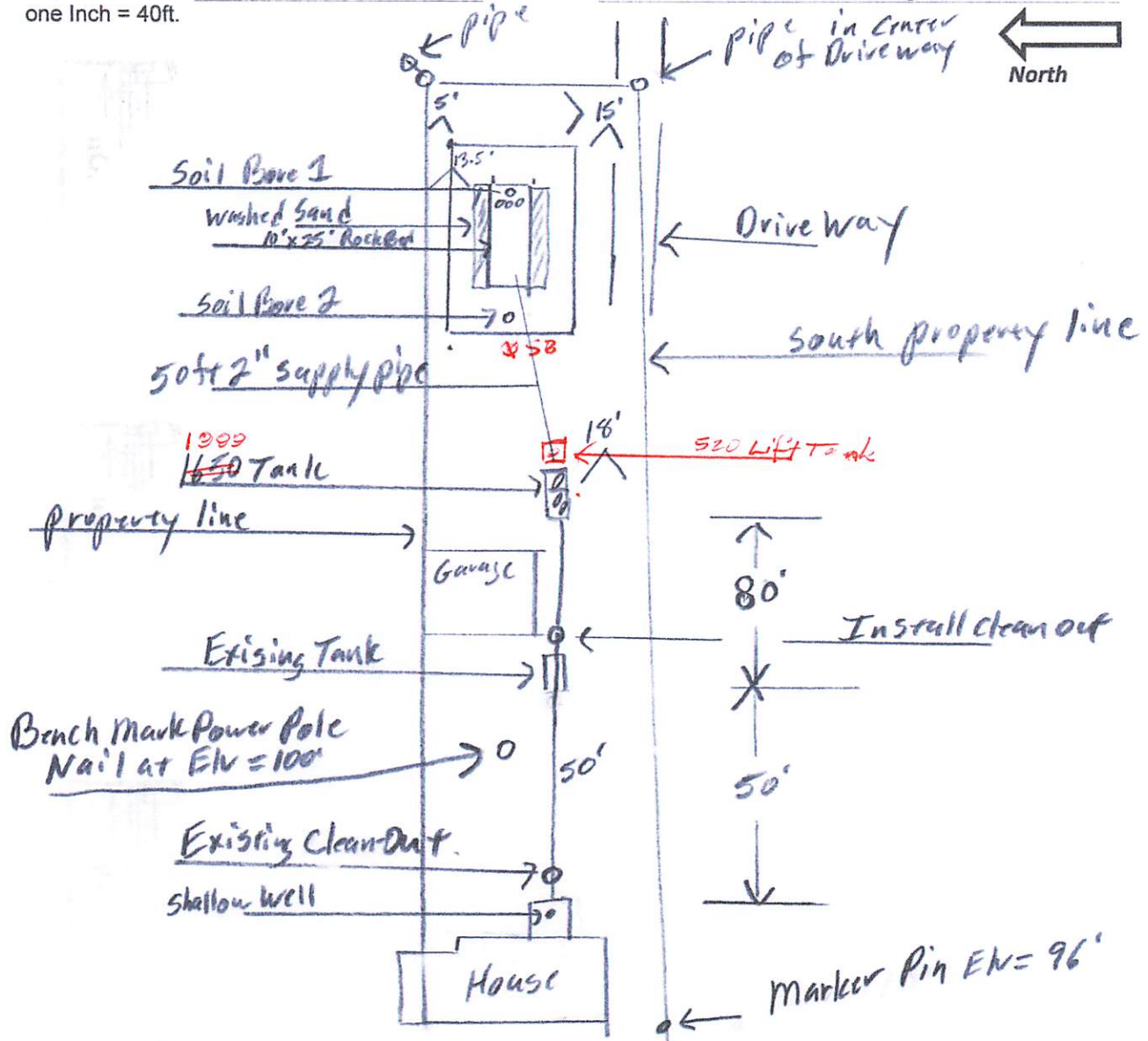
soils
 A 0-4" 10YR 3/2 SL 5-10% cf
 E 4-8" 10YR 4/3 SL 5-10% cf
 B1 8-21" 10YR 4/4 SL 5-10% cf
 B2 21-35" 10YR 5/4 S 0-5% cf
 No redox w/i 35"

Inspector's Comments: _____

Inspector's Signature Byron Harquave Installer's Signature AL

{ Design Drawing }

Property Owner: Robbie Danko Date: 10/10/22 Designer's Initials: JB
 Parcel ID. Number: 29-1-158100 Address: 4825 194th Pl. McGregor MN 55760
 one Inch = 40ft.



Existing tank inlet Elv. = 97.2' Estimated New 1650 tank inlet Elv. = 95.7'
 Grade at Power pole near House Elv. = 98.7' Nail on Power Pole near House Elv. = 100'
 Top of Survey Pin at SW of House Elv. = 96' Grade at Pin Elv. = 95.1'

Surface/ SHWT	Nail on power pole Elv. = 100'		Existing Grade	
Soil Bore 1 99' / 39"	Bench Mark	100'	Upslope Edge of Rockbed Elv. = 99'	
Soil Bore 2 99' / 27"	Ground Elv. BM	98.7'	Bottom of Rockbed Elv. = 100'	
Soil Bore 3	Ground Elv. Tank	99'	New	Top of Washed Sand Elv. = 100'
Ground at	Existing house	98.8'	East end	Elv. Of Sewer pipe at House Elv. = 97.6'

Please show all that apply (Existing)

Please Draw to Scale with North to Top or Left Side of Page:

- Wells within 100ft. Of Drain field.
- Water lines within 10 ft. of Drain field.
- Drain field Areas:

- Disturbed/Compacted Areas
- Component Location
- OHW ordinary high water
- Lot Easements

- Access Route for Tank Maintenance
- Property Lines
- Structures
- Setbacks



DATE 6-6-23

JACOBSON PRECAST CONCRETE, LLC

TANK INSTALLATION INSTRUCTIONS

Model # 520P Date Built: 9-21-22 Gallons: 520 Bury Depth 2 1/2
 Model # 1000J Date Built: 6-29-22 Gallons: 1000 Bury Depth 2 1/2

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 2' screen. Cover material shall be mounded over tank and around risers to direct run-off away from both.

INLET & OUTLET:

... not to exceed 4" ... of tank where a baffle is used.



NE Beam Center



SW Rock Bed

SW Rock Bed



W
E
L
C
O
M
E

Bench Mark Nail Elev = 100' Sept 11'

