

**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 6/3/2021 App. Number 45556  
 Owner Tyson + Julie Jutting Parcel Number 29-0-050603  
29-0-050605 29-0-050410  
 Project Address 16406 481<sup>st</sup> Ln. Installer Red Kern  
 City McGregor Zip Code 55760 TI 4BR PB

New  Repair

DIST. or DROP BOX & TYPE Pressure Bed

**SETBACKS:**

Buildings to tank(s) 22'  
 Buildings to drainfield 150'+  
 Well(s) 50' or 100' DW: 78' to tank  
 Lake/Creek/Wetland Horseshoe Lake: 100'+

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

Trench/Bed depth 12" rock 12" to bottom  
 Trench/Bed length 48'  
 Trench/Bed bottom width 16'  
 Trench spacing 5 laterals  
 Drainfield rock below pipe 9"

**SEPTIC TANKS:**

New  Existing

Number of tanks installed (3) 1650 Jac. + 760 Jac.  
760 Jac. + 760 Jac. Combo  
 Liquid capacity and type 1120/533G  
 Type of baffle Plastic

Size of gravelless pipe -  
 Depth of backfill 12"  
 Absorption area: square feet 768 ft<sup>2</sup>  
 lineal feet -

**INSPECTION PIPES**

Manholes size 24"  
 Manhole to grade Yes  No

**MOUNDS:**

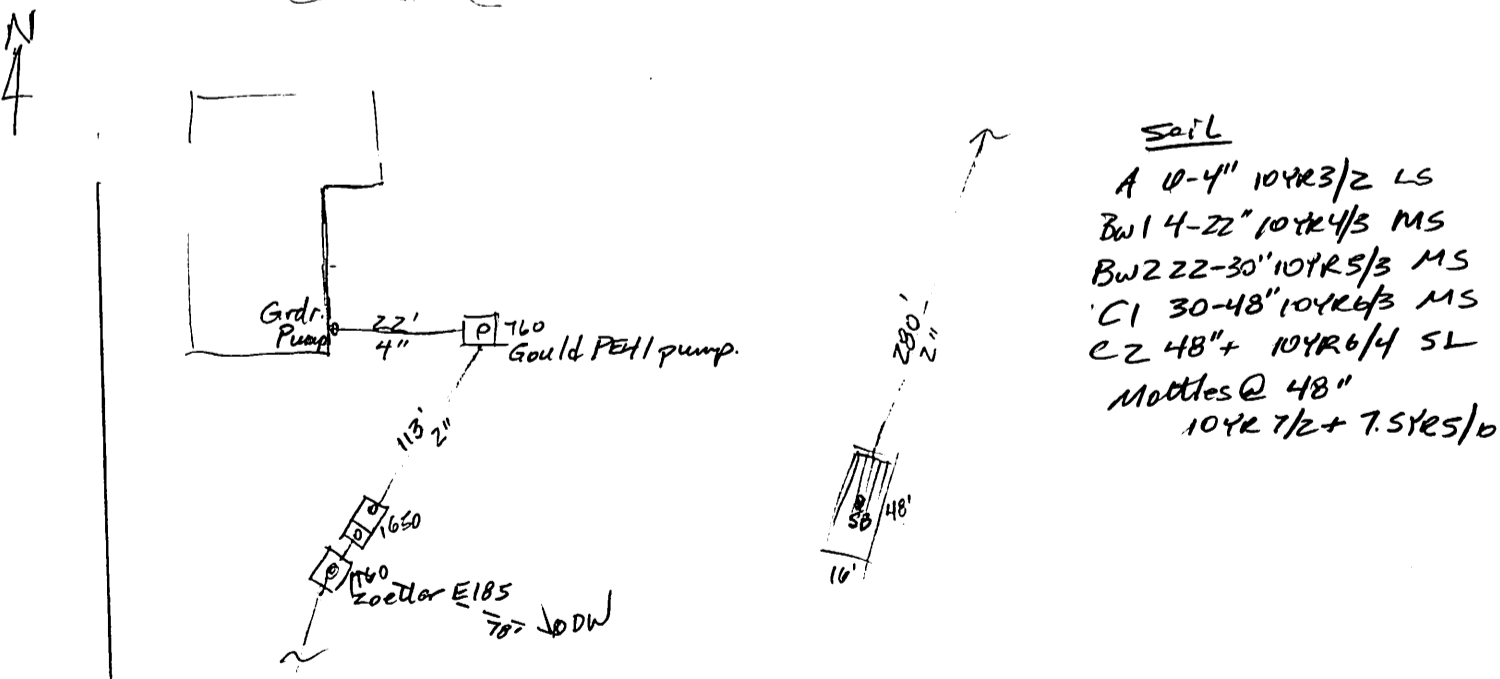
Percent slope 4%  
 Upslope sand width -  
 Downslope sand width -  
 Sideslope sand width -  
 Drainfield rock below pipe -  
 Depth of sand below rock -  
 Perforation size & spacing 1/32" / 3/16"  
 Pipe size & spacing 1.5" / 36"  
 Dimensions of rock bed 16' x 48'  
 Dimensions of sand base -  
 Final cover -

**PUMPS:**

New  Existing

Tank capacity and type (1) 760 Jacobson  
 Pump manufacturer & model # Gould PE41  
Zoeller E185  
 Horsepower & GPM 1 HP 60 GPM  
 Feet of head 46'  
 Gallons per cycle 150 GPC  
 Size of discharge line 1.5"  
 Type & location of alarm Elec. on tanks  
 Water meter -

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



Inspector's Comments: Grinder pump Gould PE41  
Zoeller E185

Inspector's Signature Bryan Hargrave Installer's Signature \_\_\_\_\_

Kern Exc -  
6-2-21

Rod Kern for  
Jutting  
29-0-050603  
16406481 ELn  
McGregor

JACOBSON PRECAST CONCRETE, LLC

TANK INSTALLATION INSTRUCTIONS

Model # 1650<sup>SS</sup> #4 Date Built: 10-1-20 Gallons: 1650 Bury Depth 1'  
Model # 760P Date Built: 9-10-20 Gallons: 760 Bury Depth 2'  
*+ another 760P*

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:





2021/06/03





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