

**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 \_\_\_\_\_ Date of Inspection \_\_\_\_\_ App. Number \_\_\_\_\_

Owner \_\_\_\_\_ Parcel Number \_\_\_\_\_

Project Address \_\_\_\_\_ Installer \_\_\_\_\_

City \_\_\_\_\_ Zip Code \_\_\_\_\_

New  Repair

**SETBACKS:**

Buildings to tank(s) \_\_\_\_\_

Buildings to drainfield \_\_\_\_\_

Well(s) 50' or 100' \_\_\_\_\_

Lake/Creek/Wetland \_\_\_\_\_

**SEPTIC TANKS:** New \_\_\_\_\_ Existing \_\_\_\_\_

Number of tanks installed \_\_\_\_\_

Liquid capacity and type \_\_\_\_\_

Type of baffle \_\_\_\_\_

Inspection pipes \_\_\_\_\_

Manholes size \_\_\_\_\_

Manhole to grade Yes \_\_\_\_\_ No \_\_\_\_\_

**PUMPS:** New \_\_\_\_\_ Existing \_\_\_\_\_

Tank capacity and type \_\_\_\_\_

Pump manufacturer & model # \_\_\_\_\_

Horsepower & GPM \_\_\_\_\_

Feet of head \_\_\_\_\_

Gallons per cycle \_\_\_\_\_

Size of discharge line \_\_\_\_\_

Type & location of alarm \_\_\_\_\_

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 \_\_\_\_\_

Upslope sand width \_\_\_\_\_

Downslope sand width \_\_\_\_\_

Sideslope sand width \_\_\_\_\_

Drainfield rock below pipe \_\_\_\_\_

Depth of sand below rock \_\_\_\_\_

Perforation size & spacing \_\_\_\_\_

Pipe size & spacing \_\_\_\_\_

Dimensions of rock bed \_\_\_\_\_

Dimensions of sand base \_\_\_\_\_

Final cover \_\_\_\_\_

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

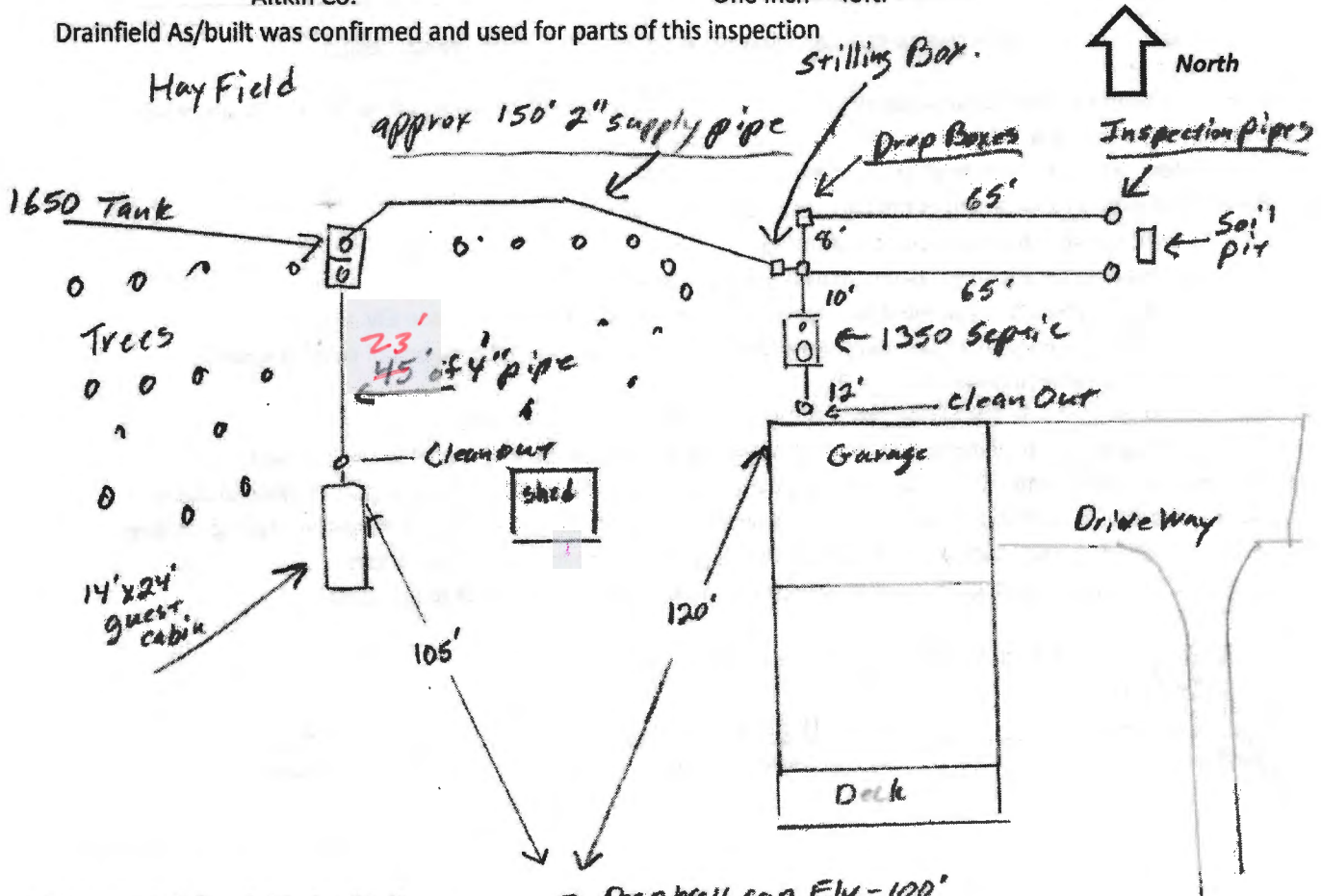
**Inspector's Comments:** \_\_\_\_\_

**Inspector's Signature** \_\_\_\_\_ **Installer's Signature** \_\_\_\_\_

# { Inspection Drawing }

Property Owner: Kenneth Zuehlsdorff Date: 7/10/2019 Designer's Initials: JB  
 Parcel ID. Number: 24-0-048700 Address: 34002 290th St. Aitkin MN 56431  
 Aitkin Co. One Inch = 40ft.'

Drainfield As/built was confirmed and used for parts of this inspection



Elev. Of ground at Septic Tank = 99.8'  
 Inlet Septic Tank Elev. = 98'  
 Outlet of Septic Tank Elev. = 97.8'  
 Inlet 1st Drop Box Elev. = 97.7'  
 Bench Mark Elev. = 100' Top of Deep Well Cap  
 Ground at well Elev. = 98.2'

○ Deep Well cap Elev. = 100'  
 Elev. Of grade near East Inspection Pipes Elev. = 98.9'  
 Elev. Of bottom of rock Elev. = 96.4'  
 18" cover + 12" rock = 30" or 2.5'

SB - 1	Top of Ground Soil Pit	Elev. = 98.9'
Depth ( in.)	Texture	Color
0 - 8	Top Soil/loam	10YR3/2
8 - 20	Sandy Loam	10YR5/4
20 - 55	Med Sand	7.5YR4/4
55 - 68	Med Sand	10YR4/4

Elev. **93.3'**

SB -	Top of Ground	Elev.
Depth ( in.)	Texture	Color

Please show all that apply ( Existing )  
 Wells within 100ft. Of Drain field.  
 Water lines within 10 ft. of Drain field.  
 Drain field Areas:

- Please Draw to Scale with North to Top or Left Side of Page:
- Disturbed/Compacted Areas
  - Access Route for Tank Maintenance
  - Component Location
  - Property Lines
  - OHW ordinary high water
  - Structures
  - Lot Easements
  - Setbacks

John Benson  
8-26-19

## JACOBSON PRECAST CONCRETE, LLC

### TANK INSTALLATION INSTRUCTIONS

Model # 1650SP Date Built: 6.27.19 Gallons: 1650 Bury Depth 4'  
4'  
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:





2019/08/27





2019/08/27





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2019/08/27





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