

**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**

2022-009002

Township Farm Island Date of Inspection 7/27/2023 I App. Number 47108

Owner Terry + Patrice Christle Parcel Number 07-1-119100

Project Address 28665 456<sup>th</sup> Pl. Installer John Benson

City Aitkin Zip Code 56431 TI 4BR PB

New  Repair

DIST. or DROP BOX & TYPE Pressure Bed

**SETBACKS:**

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

Buildings to tank(s) 10'±

Trench/Bed depth 23"

Buildings to drainfield 200'±

Trench/Bed length 41'

Well(s) 50' or 100' DW: 50'± (78' to tank)

Trench/Bed bottom width 19'

Lake/Creek/Wetland Sunset Lake: 200'±

Laterals trench spacing 6 Lats, 3/16" holes/36" sp, 1.5" lats

SEPTIC TANKS: New  Existing

Drainfield rock below pipe 9"

Number of tanks installed (1) 1820 Jac. Combo

Size of gravelless pipe —

Liquid capacity and type 1125 part combo

Depth of backfill 12"

Type of baffle Plastic

Absorption area: square feet 779 ft<sup>2</sup>

Inspection pipes ---

**MOUNDS:**

Manholes size 24"

Percent slope —

Manhole to grade Yes  No

Upslope sand width —

PUMPS: New  Existing

Downslope sand width —

Tank capacity and type 660 part combo

Sideslope sand width —

Pump manufacturer & model # Liberty LSG202A

Drainfield rock below pipe —

Horsepower & GPM 2 HP 36 GPM

Depth of sand below rock —

Feet of head 64'

Perforation size & spacing —

Gallons per cycle 152 GPC

Pipe size & spacing —

Size of discharge line 2"

Dimensions of rock bed —

Type & location of alarm Elec. on tank

Dimensions of sand base —

Water meter —

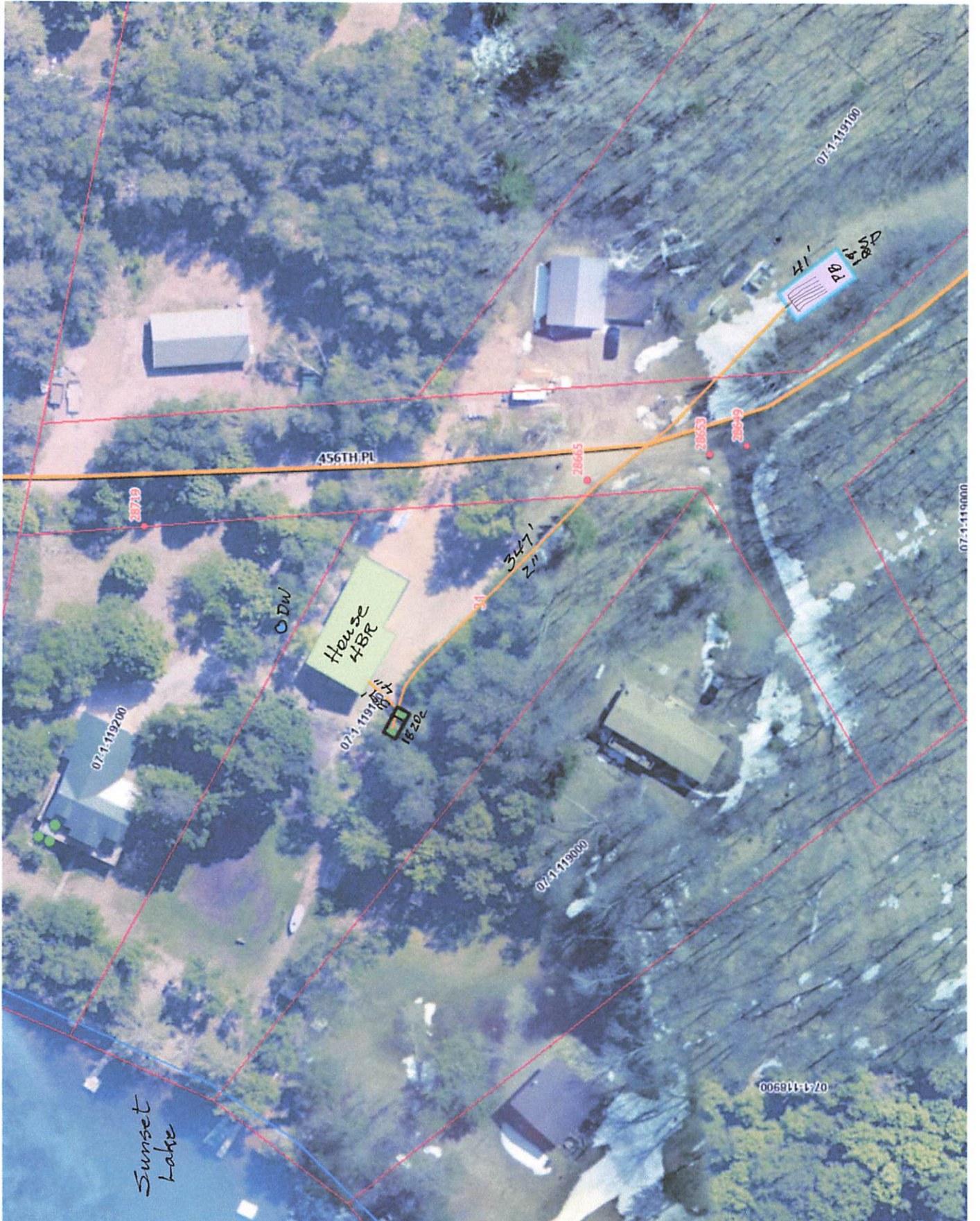
Final cover soil pit

DRAWING OF SYSTEM: (include soils)

A 0-4" 10YR 3/2 FSL 5-10% cf  
 E 4-12" 10YR 5/3 FSL 5-10% cf  
 B/E 12-21" 10YR 5/3 FSL 5-10% cf  
 7.5YR 4/4  
 B 21"-30" 7.5YR 4/4 SL 10-20% cf  
 2C 30"-65"+ 7.5YR 5/4 strat CS+ms  
 No redox w/ 65" 10-20% cf

Inspector's Comments: 347 1/2" 39' 4" 540 4 in. from over it. 78' to well

Inspector's Signature Bryan Hargrave Installer's Signature John Benson



7-24-23

## JACOBSON PRECAST CONCRETE, LLC

### TANK INSTALLATION INSTRUCTIONS

Model # 1820 Date Built: 6-7-23 Gallons: 1820 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:











