

Kern Exc  
11.3.23

## JACOBSON PRECAST CONCRETE

### TANK INSTALLATION INSTRUCTIONS

Model # 1500H Date Built: 7.11.23 Gallons: 1500 Bury Depth 2'

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:

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

This certificate of installation/~~notice of noncompliance~~ has been issued this 3rd day of November, 2023 to certify compliance/~~noncompliance~~ with Aitkin County's Subsurface Sewage Treatment System Ordinance.

The premises covered by this certificate are legally described as: \_\_\_\_\_  
Part of lot 1 s of co rd #10 and e of ditch #88 in doc 369468

Section 13 Township 49 Range 25 Lake Mississippi  
PERMIT NO. 48335 Owner Name Kim Cooper  
Address 49538 Great River Rd, Palisade MN, 56469  
Installer Name Kern Excavating  
Type of System Inspected Type 2 holding tank  
Parcel Number 19-0-020002

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 Logan Date of Inspection 11/3/2023 App. Number 2023-001248  
 Owner Kim Cooper Parcel Number 19-0-02002  
 Project Address 49538 Great River Road Installer Kern Excavating  
 City Palisade Zip Code 56469

New  Repair

SETBACKS:  
 Buildings to tank(s) 14'  
 Buildings to drainfield NA  
 Well(s) 50' or 100' >100'  
 Lake/Creek/Wetland MISSISSIPPI

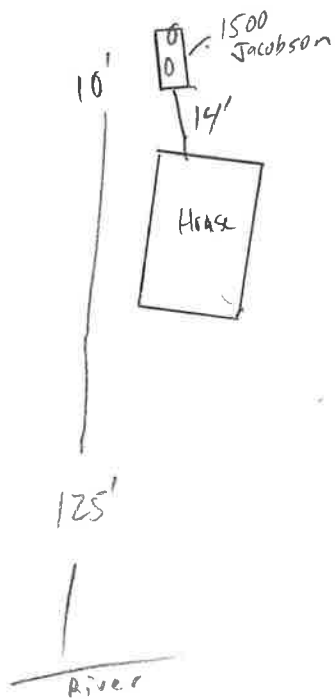
SEPTIC TANKS: New  Existing   
 Number of tanks installed 1  
 Liquid capacity and type 1500 Jacobson  
 Type of baffle Plastic  
 Inspection pipes NA  
 Manholes size NA 2024  
 Manhole to grade Yes  No

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 [Signature] Installer's Signature \_\_\_\_\_