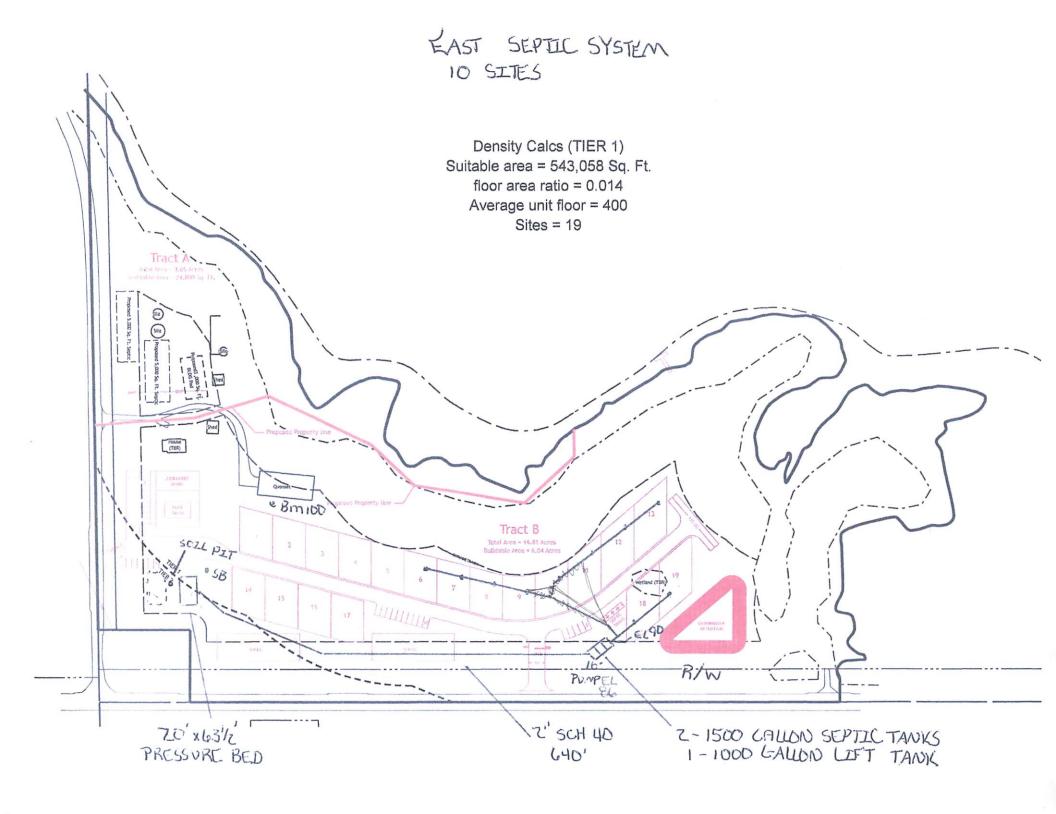
AITKIN COUNTY	
CERTIFICATE OF INSTALLATION/NOTICE OF NONCOMPLIANCE	

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.
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
PERMIT NO. Owner Name
Address
Installer Name
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.
referenced permit and application design.
2) Review of as built plans submitted in accordance with Subdivision 0.2 D of
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 choice normitted subsurface courses treatment eveters is in non-coursilence with
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:
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

	East Septic System					
SUBSURFACE SEWAGE TREATMENT SYSTEM INSPECTION FORM						
Township <u>Malmo</u> Date of Inspection	2023-000122					
Owner Deer Lake Farmstead LLC	Parcel Number 2/-0-053400					
Project Address 22100 320 the Ave	Installer <u>Larry Liljenguist</u> 31 TI 1000 GPD Comm. PB					
City Aitkin Zip Code 564	31 TI 1000 GPD Comm. PB					
New Repair	DIST. or DROP BOX & TYPE Pressure Bed					
SETBACKS:	TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD:					
Buildings to tank(s) <u>100'+</u>	Trench/Bed depth					
Buildings to drainfield <u>80</u>	Trench/Bed length					
Well(s) 50' or 100' <i>(00 ′ +</i>	Trench/Bed bottom width 20'					
Lake/Creek/Wetland	Laterals Trench spacing <u>5 Laterals</u> ; <u>7/32"/30"sp; 1.5"/</u> 36"sp.					
	Drainfield rock below pipe					
SEPTIC TANKS: New C Existing	Size of gravelless pipe					
Number of tanks installed <u>3</u>	Depth of backfill <u>12"</u>					
Liquid capacity and type (2) / 50 Jac. Combo	Absorption area: square feet <u>1270 ft</u>					
Type of baffle Plastic 🗸	lineal feet					
Inspection pipes 24"	MOUNDS:					
	Percent slope					
Manhole to grade Yes 🔽 No	Upslope sand width					
PUMPS: New Existing	Downslope sand width					
	Sideslope sand width					
Tank capacity and type <u>1000 Tacs</u> Pump manufacturer & model # <u>Liberty</u> FL70	Drainfield rock below pipe/ Depth of sand below rock/					
Horsepower & GPM <u>3/4 HP</u> <u>48GPM</u>	Perforation size & spacing					
Feet of head <u>49'</u>	Pipe size & spacing					
Gallons per cycle 250 GPC	Dimensions of rock bed					
Size of discharge line	Dimensions of sand base					
Type & location of alarm <u>Elec. on tank</u>	Final cover					
Water meter	soil description from pit					
DRAWING OF SYSTEM: (include soils)						
DRAWING OF SYSTEM: (Include solis)	A 0-5" 104R3/2 LS 23570 of B 5-14"7,54R4/4 LS <3590 cf					
	6 5-14" 1.27K 71 7 - 3 - 3570CF					
	B/C 14-28" 7.54R 5/3 5 <3570 cf c 25-65" 7.54R 6/3 5 <3570 cf					
	C 25-65" 1.5TK 6/3 > < >5/0 ct					
	No redax w/; 65"					

Inspector's Comments;	East Septic 5	ystem - See notes on West side septic
System- Same set	up. Zmanifolds in	pb-2 pumps in pump tenk. Alternative ponce
4 Larm on Dumb		
Inspector's Signature	Bryan Hargrave	Installer's Signature
Rev:1/13	White – County	Yellow – Applicant Pink - Installer

;



JACOBSON PRECAST CONCRETE

TANK INSTALLATION INSTRUCTIONS

Model # 1650 Date Bulls 6-1-23 Gallons: 1650 Bury Depth 2 Model# 1650 Date Built (1-7-22 Gellens: 1650 Bury Depth 2/2 Model-# 10005 Date Built 6-29-23 Gallons 1000 Bury Depth 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 soli 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 <u>%</u>" 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 my 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.

<u>INLET & CUTLET:</u>

Pipe not to exceed 1" past the interior wall of tank where a baffle is used.

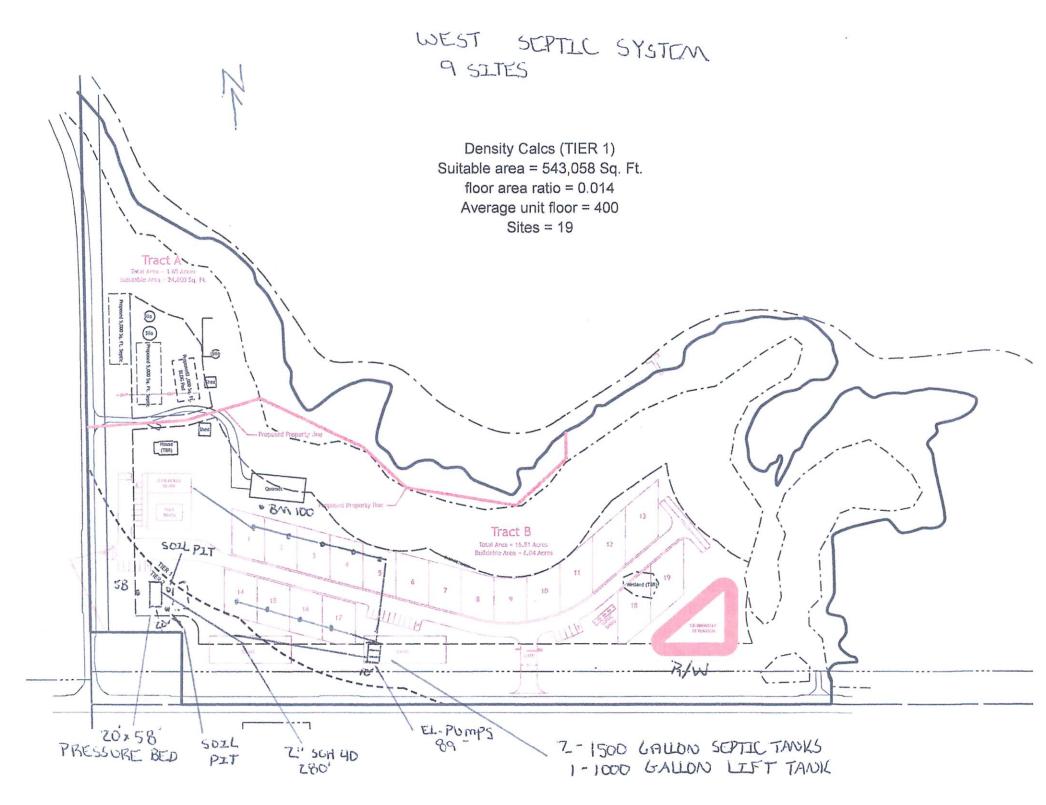
BURIAL DEPTH: Tanks to be installed according to model's maximum bury recommendations:

West Septic System

SUBSURFACE SEWAGE TREATMENT SYSTEM INSPECTION FORM AITKIN COUNTY, MINNESOTA

Township Malma Date of Inspection	8/25/2023 App. Number <u>479/8</u>
Owner Deer Labe Formstead LLC	Parcel Number 21-0-053400
Project Address 22100 320 the Ave.	Installer <u>Larry hiljengenist</u> 31 TI 900 GPD Comm. PB
City Arthin Zip Code 564	31 TI 900 GPD Comm. PB
New Repair Repair	DIST. or DROP BOX & TYPE Pressure Bed
SETBACKS:	TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD:
Buildings to tank(s) <u>100 '+</u>	Trench/Bed depth
Buildings to drainfield <u>100'</u>	Trench/Bed length <u>58</u> ′
Well(s) 50' or 100' 100 '+-	
Lake/Creek/Wetland	Trench/Bed bottom w <u>idth 20'</u> Laterals T rench spacing 5 (ats
	Drainfield rock below pipe
SEPTIC TANKS: New Existing	Size of gravelless pipe
Number of tanks installed <u>3</u>	Depth of backfill / 2//
Liquid capacity and type (Z) 1650 Tac combo	Absorption area: square feet <u>1160 fr2</u>
Type of baffle Plastic	lineal feet
Inspection pipes	MOUNDS:
Manholes size 24"	Percent slope
Manhole to grade Yes 🖌 No	Upslope sand width
	Downslope sand width
PUMPS: New Existing	Sideslope sand width
Tank capacity and type <u>1000 Tac</u>	Drainfield rock below pipe/
Pump manufacturer & model # Liberty FL70 (2)	Depth of sand below rock/
Horsepower & GPM	Perforation size & spacing
Feet of head _25.5'	Pipe size & spacing
Gallons per cycle <u>ZZS GPC</u>	Dimensions of rock bed
Size of discharge line′	Dimensions of sand base
Type & location of alarm <u>Elecontonk</u>	Final cover
Water meter	Soil decription
DRAWING OF SYSTEM: (include soils)	Soil description See East side System

Inspector's Comments:	West Septic S	ustern Zmani	alds-alterna	ting dosing
of each side of	bed Alternating	parel on pump	tark 2 Libert	FL70 pumps
in pump tank	+ 2 sets 1 2"pi	pe to pb- 2 mani.	folds.	
Inspector's Signature	Bryan Hargrave	Installer's Signa	ture Varry L	hast
Rev:1/13	White - County	Yellow – Applicant	Pink - Installer	0



36.1

ACOBSON PRECAST CONCRETE

TANK INSTALLATION INSTRUCTIONS

Montel # 1650 Date Built: 11-1- 22 Gallons: 1650 Bury Depth 2 Medel # 1650 Date Builts /1-2- z2 Gallense 1650 Bury Depth Model # 1000 S Date Built: 7-5-22 Gallons: 1000 Bury Depth: 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 soli 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 X'' screen.

MATER 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 my 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 baffie is used.

BURIAL DEPTH: Tanks to be installed according to model's maximum bury recommendations:





























