

## WESTERLUND CONSTRUCTION LLC

31410 235<sup>TH</sup> LN Aitkin MN 56431

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### DESIGN SUMMARY

Owner: Brian Palmer, PID: 25-0-048000. Address: 21437 180<sup>th</sup> ST McGrath MN

Eight RV sites with full hook-ups are completed for this development and the well has been drilled. A permit for the shower house and septic has been applied for. This "shower house" will also have a mechanical room for the pressure tank that services the RV sites that have water and sewer hook-ups. At this time there are no RV's in the 33 sites that have electric only. It is estimated that these 33 sites, when full, will generate approximately 450 gallons of sewage per day on average. This is only an estimation, it is proposed to install a combination 2,500 gallon septic/pump tank for this building, use it as a holding tank, monitor the water usage for one year and then design a dispersal field based on the water meter readings for that year. If the water usage in the shower house averages 500 gallons or less of water each day the pump chamber in the combination tank will be adequate to use as a surge volume tank and timed dosing to the dispersal field will be used to dose the rock bed. If water usage averages over 500 gallons of water per day, another tank will be installed and used as a surge tank for timed dosing.

Because of the location of the new well on this property, the alternate septic site will be moved to the east side of the shower house. Soil borings for this 'new site' have been done and the soils remain the same as where the 1<sup>st</sup> alternate site was proposed, so no new soil boring logs are needed.

Greg Westerlund

Designer/installer

LIC. # 663

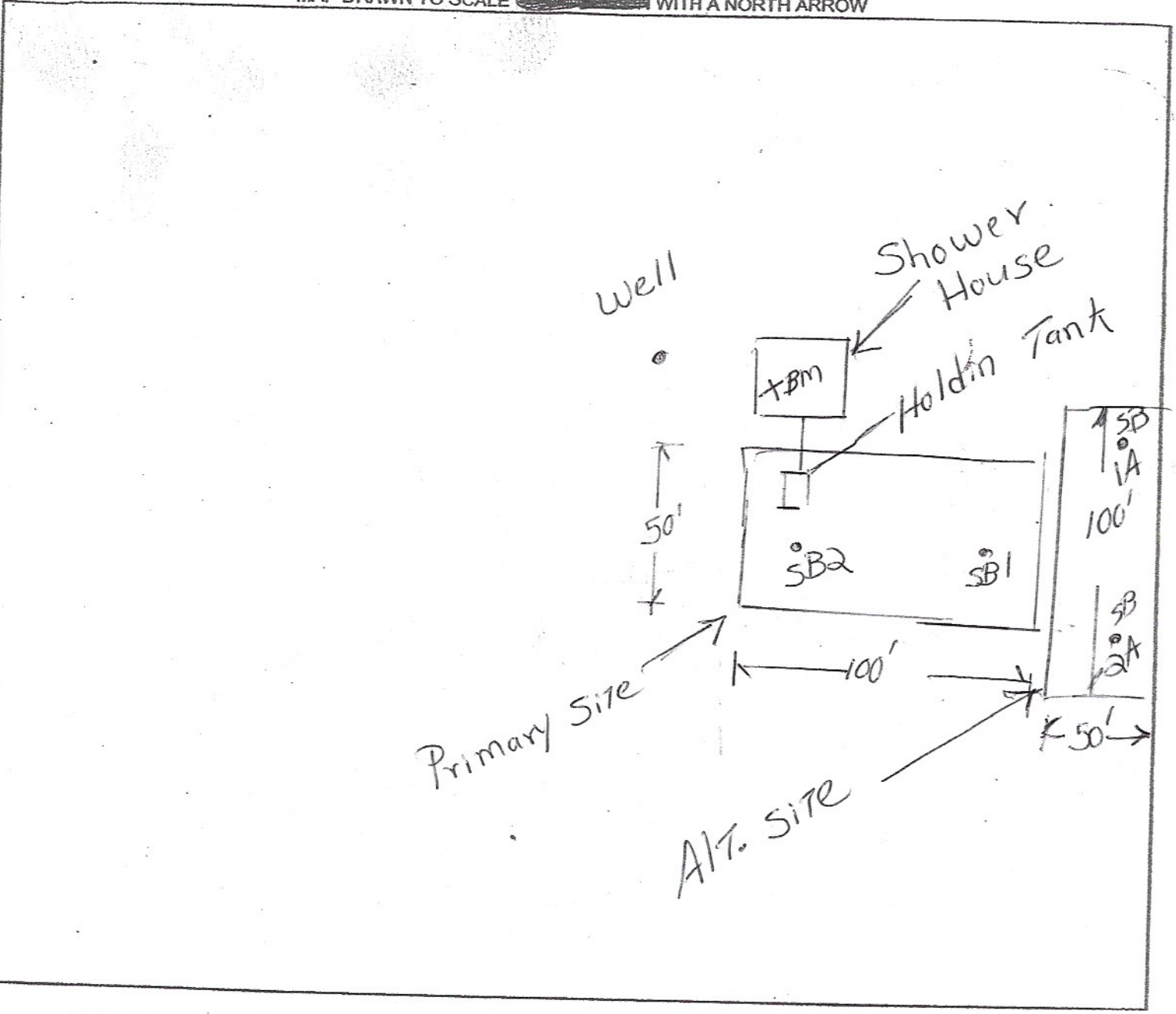
Greg Westerlund

8/16/21

CLIENT: Brian Palmer

DATE: 8/16/21

MAP DRAWN TO SCALE WITH A NORTH ARROW



**CHECK OFF LIST-HAVE ALL OF THE FOLLOWING BEEN DRAWN ON THE MAP??**

- HOW EXISTING OR PROPOSED
- WATER WELLS WITHIN 100 FT OF TREATMENT AREAS
- PRESSURE WATER LINES WITHIN 10 FT OF TREATMENT AREAS
- STRUCTURES
- ALL SOIL TREATMENT AREAS
- HORIZONTAL AND VERTICAL REFERENCE
- POINT OF SOIL BORINGS
- LOT EASEMENTS
- DISTURBED/COMPACTED AREAS
- SITE PROTECTION-LATHE AND RIBBON EVERY 15 FT
- ACCESS ROUTE FOR TANK MAINTENANCE
- REQUIRED SETBACKS
- STRUCTURES
- OHWL
- COMMENTS:
- LOT IMPROVEMENTS
- ALL ISTS COMPONENTS
- DIRECTION OF SLOPE
- ALL LOT DIMENSIONS
- PROPERTY LINES

**INDICATE ELEVATIONS**

- BENCHMARK 100 = Floor of building
- ELEVATION OF SEWER LINE @ HOUSE 99
- ELEVATION @ TANK INLET 98.5
- ELEVATION @ BOTTOM OF ROCK LAYER
- ELEVATION @ BOTTOM OF BORING OR RESTRICTIVE LAYER
- ELEVATION OF PUMP
- ELEVATION OF DISTRIBUTION DEVICE

DESIGNER SIGNATURE: Greg Westerland

LICENSE# 663

DATE 8/16/21



HOLDING TANK PUMPING SERVICE AGREEMENT

Permit # \_\_\_\_\_

Address

21437 180<sup>th</sup> St. McGrath MN

THIS AGREEMENT, entered into by and between Aitkin County Registered Septic Tank Pumper, Gables Sewer, hereinafter referred to as "Contractor", and Brian Palmer, hereinafter referred to as "Homeowner".

WHEREAS, Homeowner desires and is required to retain individual sewage treatment system holding tank services to protect the environment and to obtain a certificate of compliance from Aitkin County; and

WHEREAS, the Contractor desires to provide sewage treatment system pumping services to Homeowner as necessary and in accordance with the terms and conditions outlined herein.

NOW THEREFORE, in consideration of the mutual promises contained herein, Parties do hereby agree as follows:

1. **TERM.** The term of this Agreement shall be from \_\_\_\_\_ to final installation of an Aitkin County approved sewage treatment system or connection to a Municipal Sewage Treatment System, unless earlier terminated as provided herein. The parties understand and agree that this Agreement is intended to arrange for the provision of pumping services so that Homeowner may occupy the home pursuant to a certificate of compliance to be issued by the Aitkin County Environmental Services Department upon execution of this Agreement. Homeowner further agrees that at the earliest possible date, Homeowner shall have a permanent sewage treatment system installed in accordance with the Aitkin County Individual Sewage Treatment System and Wastewater Ordinance No. 1 and as approved by the Aitkin County Environmental Services Department or connect to a Municipal Sewage Treatment System. Upon approval by the County of Aitkin of the individual sewage treatment system or connection to a municipal sewer, or approval by Aitkin County Environmental Services of an amended or different contract, this Agreement shall terminate.

2. **FREQUENCY OF PUMPING.** Homeowner agrees that he/she shall not allow the holding tank to overflow or discharge in any manner. Contractor and Homeowner agree that the holding tank shall be pumped in accordance with the following:

- Tank size (gal.) \_\_\_\_\_, (number of household occupants multiplied by 75 gallons per day) = frequency of pumping; or
- Within 24 hours of indication by tank alarm of lack of capacity (applicable only if system has a functional alarm);
- Whichever is greater

Contractor agrees to provide pumping services according to the regular pumping schedule or as needed to prevent discharge. Homeowner shall compensate Contractor as agreed by the parties for pumping services rendered.

3. **INSPECTION.** Holding tanks will be inspected by a licensed pumper at the time of servicing for leaks below the operating depth and whether tank tops, riser joints, and connections leak through visual evidence of major defects.

4. **REPORTING.** Grievances of Homeowner or Contractor shall be reported to the Aitkin County Environmental Services Department by Homeowner or Contractor. Homeowner and Contractor understand that failure to have holding tank pumped as herein specified or the discharge of any contents from the holding tank, regardless of fault, may result in the suspension, cancellation or revocation of the certificate of compliance, and the homeowner may be required to vacate the premises.

[Signature]

Contractor

Brian Palmer (Hw)

Homeowner

Date 6/30/21

Date 7/2/21