

Becklin & Whitney

Consulting Engineers, Inc.
139 1ST AVE. E, SUITE 100
P. O. BOX 471
CAMBRIDGE, MN 55008
PHONE (763) 689-5631 FAX (763) 552-5631

February 29, 2024

Dennis & Christine Kraimer

RE: Review of Setback to
Septic System Mound System
28907 442nd Place
Aitkin, MN

To Whom It May Concern:

Introduction

The owner is planning to build a new 24 foot E/W x 32 foot N/S detached garage addition. The current garage is 4 to 6 feet from toe of the mound. The proposed garage addition will also be 4 to 6 feet from toe of the mound. The existing garage is on a floating slab and garage addition will be also. We were asked to comment on the setback of new garage to Septic Mound System.

Discussion

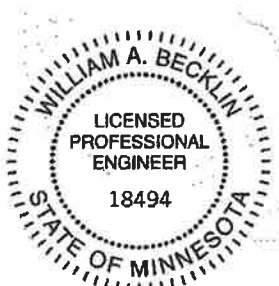
The new garage extension will run parallel to the septic mound. The proposed garage will not affect the function of the septic mound system provided proper drainage is provided between septic mound and garage.

Conclusions

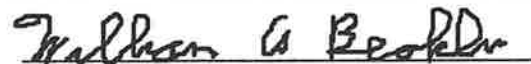
The new garage can be built 4 to 6 feet from the toe of the mound and will not affect the function of the Septic Mound System provided positive drainage is maintained between garage and mound. A swale must be created so that surface water can run to east and west. Rain gutters need to be installed so that roof water can be directed away from the area between the garage and mound. An extra course of masonry may be required to get the grade high enough for swale to drain properly. Do not drive machinery on septic mound.

Attachments:

Site
Septic Details



I HEREBY CERTIFY THAT THIS PLAN,
SPECIFICATION, OR REPORT WAS PREPARED BY ME
OR UNDER MY DIRECT SUPERVISION AND THAT I
AM A DULY LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF MINNESOTA.



WILLIAM A. BECKLIN, P.E.

DATE: FEBRUARY 29, 2024

LIC. No. 18494



These data are provided on an "AS-IS" basis, without warranty of any type, expressed or implied, including but not limited to any warranty as to their performance, merchantability, or fitness for any particular purpose.

ArcGIS Web Map

1 125 0 500 623 ft 1 inch = 244 feet

Web AppBuilder for ArcGIS

Date: 2/29/24

AITKIN COUNTY ZONING

PERMIT NUMBER **41409**

PARCEL NUMBER **D7-1-124000**

Location **LOT 19 POINT OF VIEW**
Lot Block Gov't. Lot Section Twp. Rge.

Issued **July 31, 2015** To **Richard Dahnert**

Nature of Authorization **"Other" mound septic system (holding tank replacement) operating permit # 472**

New Construction Alteration

Sewer Installation

Flood Plain and Lowest Floor Elev. _____

This permit expires one year from date of issuance
NOT TRANSFERABLE

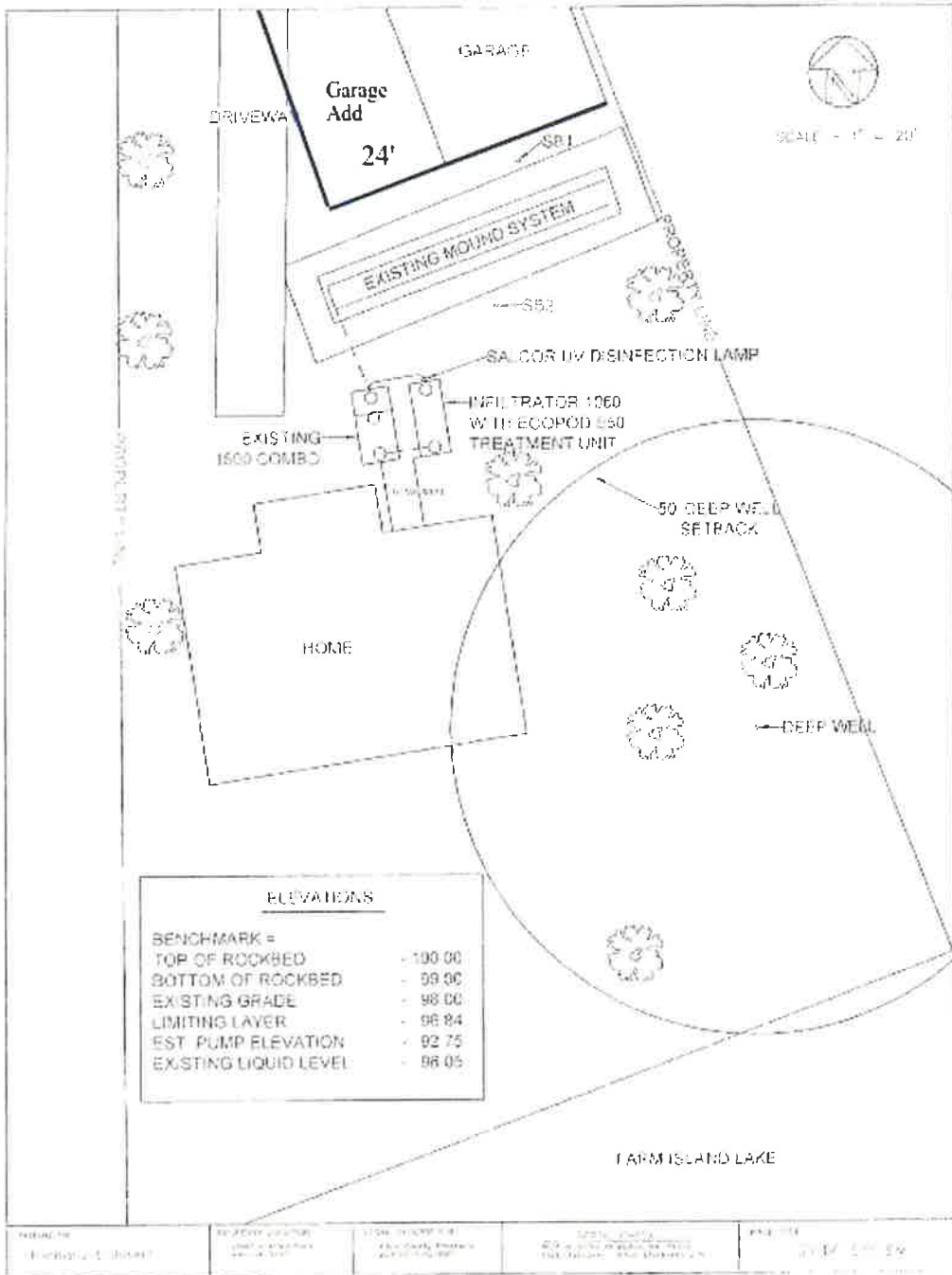
NOTE:

This permit must be posted in a conspicuous place on premises on which work is to be done and remain until work has been completed and inspected.

Kalea Suikkonen
ZONING ADMINISTRATOR

No Portion of any Sewage Disposal System shall be Covered Prior to Inspection.

→ This is for an ATU with time dose as per attached design.



ELEVATIONS	
BENCHMARK =	
TOP OF ROCKBED	- 100.00
BOTTOM OF ROCKBED	- 99.00
EXISTING GRADE	- 98.00
LIMITING LAYER	- 96.84
EST. PUMP ELEVATION	- 92.75
EXISTING LIQUID LEVEL	- 96.05

PROJECT NO. 2024-0123	CLIENT ABC COMPANY	DATE 10/27/2024	SCALE 1" = 20'	PROJECT SEWER SYSTEM
--------------------------	-----------------------	--------------------	-------------------	-------------------------

