

From: DEC.Water.WimTeam@Alaska.gov

To: ryan.peterson@alaska.gov

Subject: Document of Construction is now available on SEPTS for DOCSEPTS-1255

Date: 11/8/2021 12:00:00 AM

11/08/2021

JOSEPH MCELROY

Henry Knackstedt Consulting, Inc.

P.O. Box 182

Kasilof, AK, 99610

jmcelroy@trihydro.com

T2S R14W S32 SM HM - RS S 225 FT OF GL 3 &N 225 FT OF GL 4 &N 225 FT OF SE1/4
SW1/4 ALL LYING W OF THE STERLING HWY

21585 Sterling Hwy

15908009

OASys Tracking #: DOCSEPTS-1255

JOSEPH MCELROY,

The Documentation of Construction (DOC) registration information for the conventional onsite wastewater disposal system at the above referenced property has been processed and is now available on SEPTS. There may be a delay of several hours before the attached documents are available for viewing. Please reference SEPTS Key#: DOCSEPTS-1255

Comments:

Please contact your local ADEC office for more information.

Department of Environmental Conservation

DIVISION OF WATER

Wastewater Discharge Authorization Program

43335 Kalifornsky Beach Rd., Ste. 11

Soldotna, Alaska 99669

Main: 907.262.5210

Fax: 907.262.2294

www.dec.alaska.gov

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ADEC
Kenai Area Office

State of Alaska
Department of Environmental Conservation
Documentation of Construction
Conventional Onsite Wastewater System

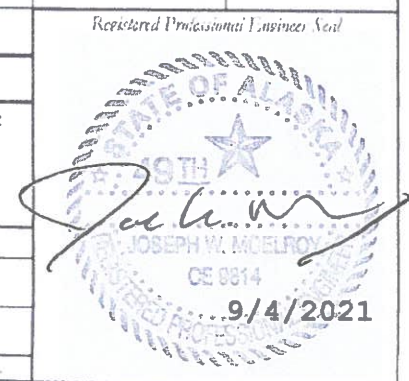
Processed by:
Date:
SEPTS Key #: DOCSEPTS-1255

Part I. General Information

Legal Description	LNA BNA Track NA Unit NA T2S R14W S32 SM	PAN or Tax ID#: 15908009
Street Address	21585 Sterling Hwy	City (or nearest community): Anchor Point
Coordinates	Latitude: 59.95640	Longitude: -151.73354 Datum: WGS84
Installer Information	Name: JOSEPH W MCELROY	Email: jmcclroy@trihydro.com Phone: 907-312-0224

Part II. Wastewater Disposal System

Facility Served	<input checked="" type="checkbox"/> Private Residence	<input type="checkbox"/> Multi-family	<input type="checkbox"/> Small Commercial (< 500 gpd)	<input type="checkbox"/> Commercial (500 gpd to 2500 gpd)		
	<input type="checkbox"/> Combined Residential & Commercial (< 2500 gpd)	Total # Bedrooms: 5	# of Buildings: 1	Total Design Flow (gpd): 750		
	<i>For Commercial Facilities: show design flow calculations in Comments section below or attach a separate page</i>					
<input checked="" type="checkbox"/> New System Repair/Replace Existing: <input type="checkbox"/> All <input type="checkbox"/> Septic Tank <input type="checkbox"/> Soil Absorption System <input type="checkbox"/> Other: See Additional Information Page <i>(state decommissioning/inspection results of existing components): See Additional Information Page</i>						
System Installed By: Contractor/Person whose work is supervised/inspected by a registered engineer			Notification Date: Date Installed: 08/30/2021			
Septic Tank	Capacity (gal): 1500	# of Compartments: 2	Material: steel	Manufacturer: Greer		
Lift Station	Manufacturer: NA	Pump (make/model): NA		Alarms: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Type of Field	<input checked="" type="checkbox"/> Deep Trench	<input type="checkbox"/> Shallow Trench	<input type="checkbox"/> Leach Pit	<input type="checkbox"/> Bed <input type="checkbox"/> 5-Wide		
Soils - Visual and Perc Test	Classification: SP	(Other Classification Comments On Next Page)	Application Rate: 150-175	Percolation Rate (min/inch):		
Attach percolation test results or other soils report sealed by registered professional engineer as applicable.						
Soil Absorption System Details	Length (ft): 108	Width (ft): 3	Rock Depth: 4	Effective Area (sq ft): 864		
	Rock Grade: Fine	Gravelless Media: # of Units:	Unit Area:	Manufacturer:		
Freeze Protection	Septic Tank		Absorption Area	Sewer Lines		
	Soil Cover (feet)	7	6.5	7		
	Insulation (inches)	0	0	0		
Cleanout Pipes	# Cleanout(s): 1	# Septic Tank Vents: 2	# Leach Field Monitor Tubes: 2			
Vertical Separation Distance from Bottom of Soil Absorption System to: Groundwater 4 Impermeable Soils 6						
Horizontal Separation Distances <small>(measured from nearest edge to nearest edge)</small>	list distances to all nearest:	Private Well	Public Well	Waterline	Surface Water	Property Line
	Septic Tank	149	400	50	200	10
	Soil Absorption System	170	400	50	200	10
	Lift Station		400	50		
	Sewer Line(s)	110	400	50		
Horizontal Separation Distance from Soil Absorption System to Slope exceeding 25%: 125						
Comments/Criteria used to size commercial facility <i>(state type of facility, # people, gpd/person, etc.):</i>						
See Additional Information Page						
I certify that the information provided in Parts I, II, III, IV and V is correct:						
Signature JOSEPH W MCELROY			Printed Name JOSEPH W MCELROY			
Title or Certification No. CE 9814			Date 9/4/2021			
NOTE: Certified Installers or Approved Homeowners must sign and date. Professional Engineers must seal, sign, and date.						





ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

WASTEWATER PROGRAM FORMS:
Conventional Onsite Wastewater Disposal Systems
OASys Documentation of Construction Certification

Property Legal Description (required): T2S R14W S32

Date of Installation (required): August 30, 2021

Certification of Record Information:

I certify the information submitted to the Department through Water's Online Application System (OASys) for a conventional wastewater disposal system for the above referenced property is correct, and the system was constructed in strict conformance to the requirements of 18 AAC 72 and the Onsite Wastewater System Installation Manual. I have verified there are no sources of non-domestic wastewater connected to the wastewater system.

I further certify that I, or a person under my responsible charge, conducted periodic inspections during installation to verify site conditions, quality of construction, materials and methods used, compliance with applicable regulations and (check the appropriate box):

For an individual that installed a conventional onsite wastewater system for a private residence or small commercial facility

OR

I provided the system design for a private residence, commercial facility, multi-family dwelling or a combination thereof; and ensured the conventional wastewater system was installed as designed

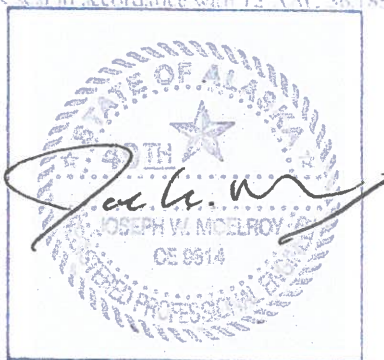
Regulatory References:

18 AAC 72.035

18 AAC 72.900 (15) & (16)

Onsite Wastewater System Installation Manual (OWSIM)

Attix seal in accordance with 12 AAC 36.185



Engineer of Record Name:
(Please Print or Type)

Joseph McElroy, P.E.

USE: Submitting engineers registering a conventional wastewater system with a Documentation of Construction (DOC) submitted through OASys must use this form. See DOC guidance available at the Department's webpage dec.alaska.gov/water/wastewater/engineering/ for additional information.



PARCEL REPORT

PARCEL ID: 15908009

Total Acreage: 8.95



LEGAL DESCRIPTION:

T 2S R 14W SEC 32 SEWARD MERIDIAN HM - RS S 225 FT OF GL 3 & N 225 FT OF GL 4 & N 225 FT OF SE1/4 SW1/4 ALL LYING W OF THE STERLING HWY

ALL PHYSICAL ADDRESSES ON THIS PARCEL:

21585 STERLING HWY

LAND VALUE: \$121,000

ASSESSED VALUE: \$133,500

IMPROVEMENT VALUE: \$12,500

TAXABLE VALUE: \$133,500

OWNER:

WILLIAMS JERRI D

PO BOX 1282

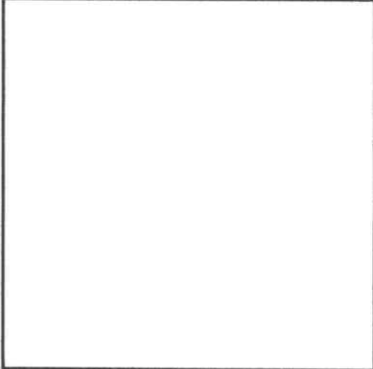
STERLING, AK 99672

The data displayed herein is neither a legally recorded map nor survey and should only be used for general reference purposes. Kenai Peninsula Borough assumes no liability as to the accuracy of any data displayed herein. Original source documents should be consulted for accuracy verification.



ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

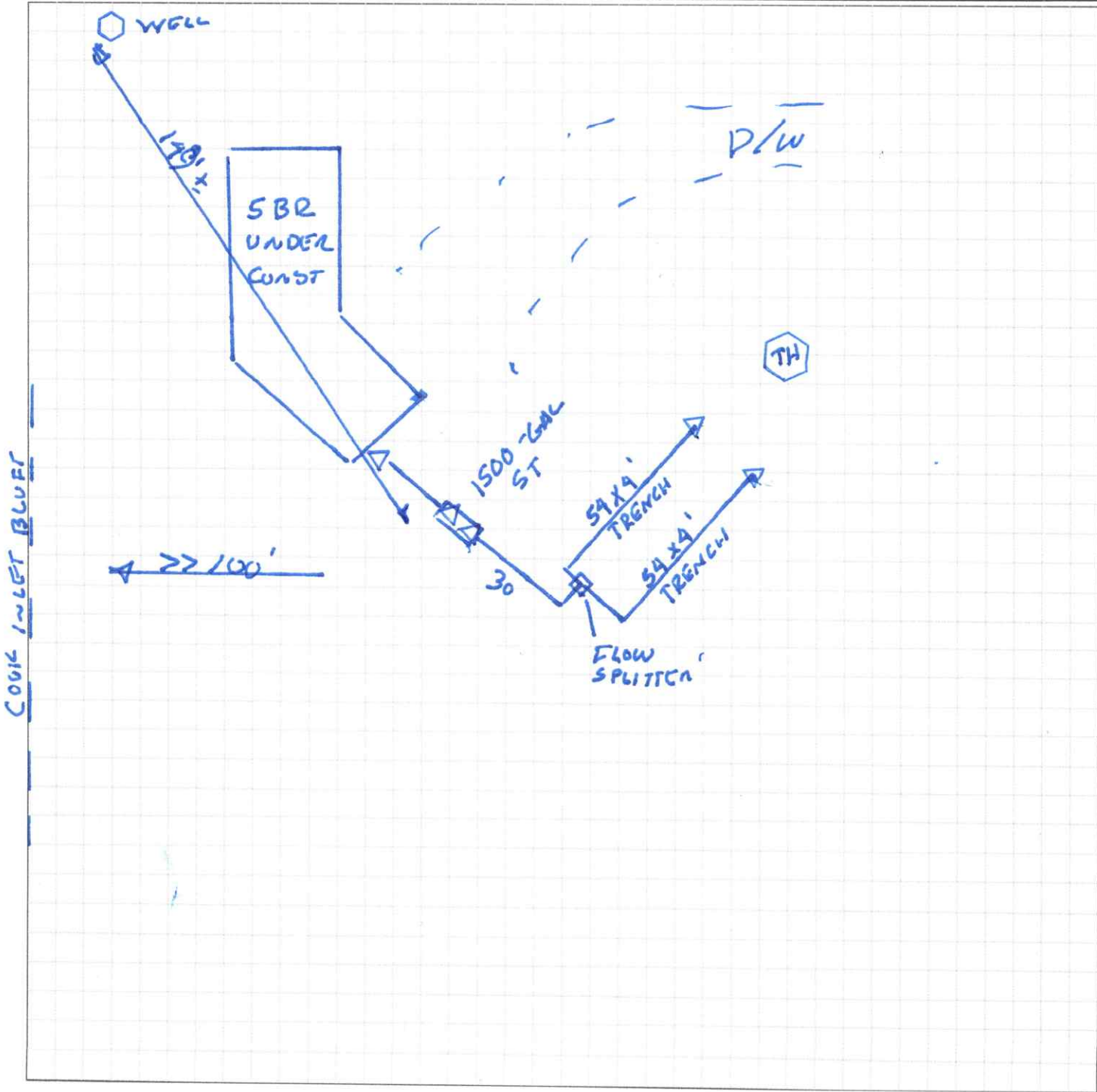
WASTEWATER PROGRAM FORMS: Conventional Onsite Wastewater Disposal Systems OASys Documentation of Construction Certification

Property Legal Description (required): T2S R14W S32	
Date of Installation (required): August 30, 2021	
Certification of Record Information:	
<p>I certify the information submitted to the Department through Water's Online Application System (OASys) for a conventional wastewater disposal system for the above referenced property is correct; and the system was constructed in strict conformance to the requirements of 18 AAC 72 and the Onsite Wastewater System Installation Manual. I have verified there are no sources of non-domestic wastewater connected to the wastewater system.</p> <p>I further certify that I, or a person under my responsible charge, conducted periodic inspections during installation to verify site conditions, quality of construction, materials and methods used, compliance with applicable regulations and (check the appropriate box):</p> <p><input type="checkbox"/> For an individual that installed a conventional onsite wastewater system for a private residence or small commercial facility</p> <p style="text-align: center;">OR</p> <p><input checked="" type="checkbox"/> I provided the system design for a private residence, commercial facility, multi-family dwelling or a combination thereof; and ensured the conventional wastewater system was installed as designed</p>	
Regulatory References:	
18 AAC 72.035	
18 AAC 72.990 (15) & (16)	
Onsite Wastewater System Installation Manual (OWSIM)	
Affix seal in accordance with 12 AAC 36.185 	Engineer of Record Name: (Please Print or Type) Joseph McElroy, P.E.
	USE: Submitting engineers registering a conventional wastewater system with a Documentation of Construction (DOC) submitted through OASys must use this form. See DOC guidance available at the Department's webpage dec.alaska.gov/water/wastewater/engineering/ for additional information.

Part III. Plan View Diagram

Instructions for Diagram: (use space below or attach additional pages as necessary; engineers may attach separate sealed record drawings)

- In a PLAN VIEW, identify and label all of the following: On Lot Drinking Water Source Waterline(s) Surface Water Septic Tank Soil Absorption System Fuel Tank(s) (identify above or below ground and size) Property Line(s) Testhole All Sewer Lines and Perforated Pipe All Cleanouts and Monitor Tubes All Structures Slopes >25% and >10 feet in height Closest Well on Adjacent Property (identify classification) Closest Septic Tank and Soil Absorption System on Adjacent Properties
- In the PLAN VIEW, label the horizontal separation distances, to the nearest half foot, between well(s), water lines, and surface water high water boundary to all potential sources of contamination listed above in accordance with Section 40.06 Typical Site Plan in the Onsite Wastewater System Installation Manual. Label separation distance between soil absorption system and slopes exceeding 25%. Label the size of each septic system component using appropriate units. Identify fittings used at bends and junctions.

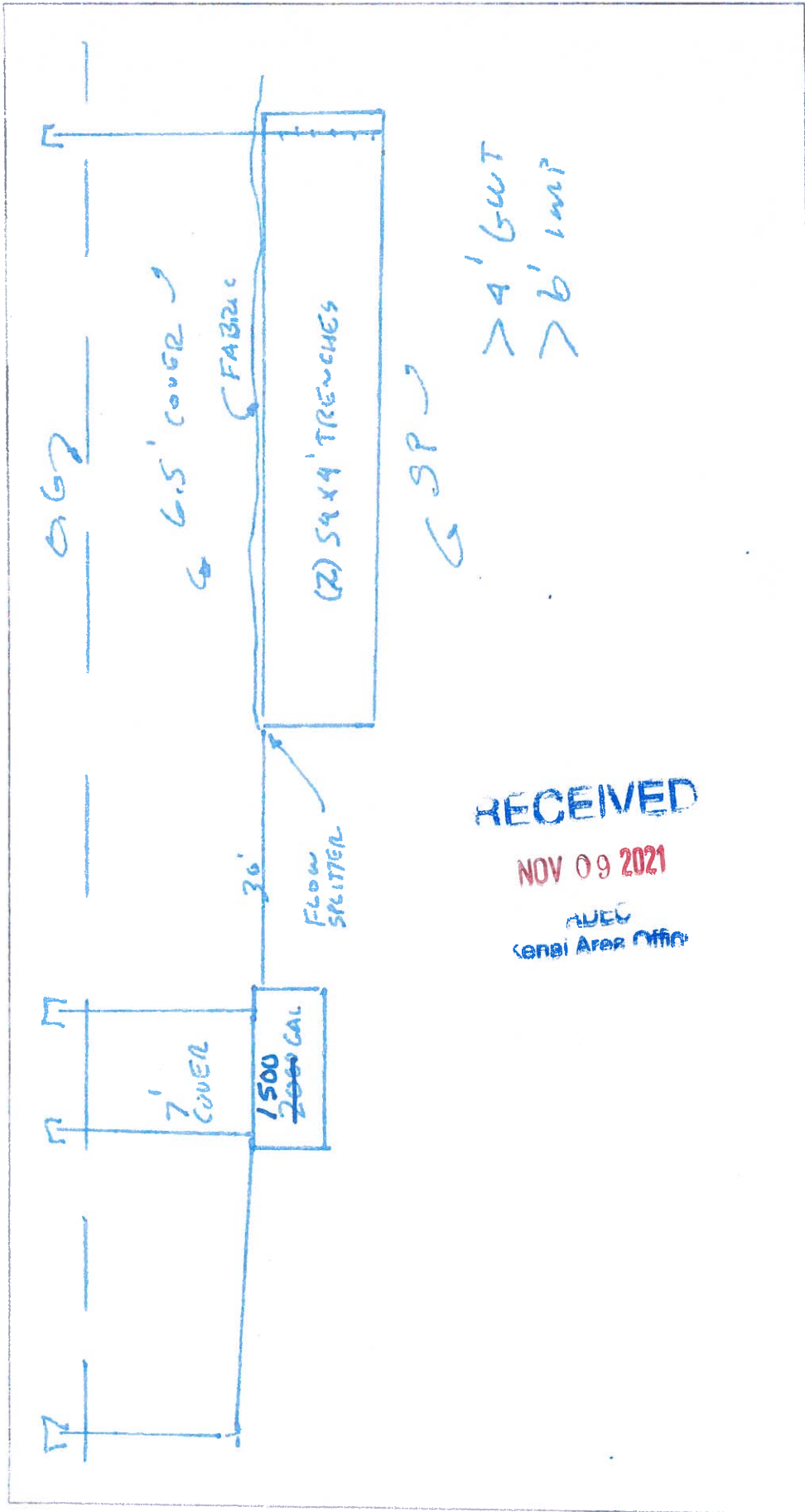


Legal Description: T4S R14W S32 Installer Name: REINFORD Date Installed: 30 AUG 21

Part IV. System Profile View Diagram

Instructions for Diagram: (use space below or attach additional sheets as necessary; engineers may attach separate sealed record drawings)

- 1. In a PROFILE VIEW of the entire septic system (from foundation cleanout to disposal field), identify and label the following: (Original Grade (major grade changes))
 - (Final Grade)
 - (Soil Cover and Insulation)
 - (Sewer Lines)
 - (Sewer Line Junctions (if applicable))
 - (Slopes/Drops of Sewer Lines)
 - (Cleanouts and Monitor Tubes)
 - (Lift Station/Sump)
 - (Septic Tank(s))
 - (Soil Absorption System)
 - (Filter Fabric)



Legal Description: T2S R14W S32 Installer Name: REINFORA Date Installed: 30 AUG 21

Part V. Soil Absorption System Cross Section View Diagram and Testhole Log

Instructions for Diagram: (use space below or attach additional sheets as necessary; engineers may attach separate sealed record drawings)

1. In a CROSS SECTION VIEW of the soil absorption system system identify and label the following: Soil Absorption Medium
 Final Grade Original Grade (major grade changes) Filter Fabric Monitor Tubes Soil Cover and Insulation
 Drainfield Pipe Depth of Sewer Rock and Sand Liners, if applicable, in the Soil Absorption System Vertical Separation
 Distance Between Soil Absorption System and Groundwater/Impermeable Soils

2. In the CROSS SECTION VIEW, the system drawing should be vertically to scale and correspond to the depth indicated by the testhole log. Indicate soil(s) type, groundwater, and impermeable soils encountered in testhole.

Groundwater/Seeps: Yes No At (feet below original grade):

Impermeable Soils (Clay/Bedrock/Permafrost): Yes No At (feet below original grade):

Testhole Log

Soil Absorption System Cross Section

Testhole Inspected By:	+5 ft	
<u>HK</u>	+4 ft	
	+3 ft	
	+2 ft	
Date:	+1 ft	
<u>30 AUG 21</u>	0 ft	<u>FINAL/OG</u>
	1 ft	<u>0-6' SILT, BROWN MOIST (ML)</u>
Original Grade	2 ft	
	3 ft	
	4 ft	
	5 ft	
	6 ft	
	7 ft	<u>6-16' SAND w/ SOME SILT GRADING TO</u>
	8 ft	<u>CLEAN SAND, GRAY, MOST</u>
	9 ft	<u>SM-SP (175-150)</u>
	10 ft	
	11 ft	
	12 ft	
	13 ft	
	14 ft	
	15 ft	
	16 ft	<u>NO GWT THIS DATE</u>
	17 ft	
	18 ft	
	19 ft	
	20 ft	
	21 ft	
	22 ft	