

SEYMOUR ENVIRONMENTAL SERVICES, INC.

P.O. Box 398, 2531 Dyreson Road, McFarland, Wisconsin 53558
Telephone: 608-838-9120

April 5, 2019

PECFA ID#: 53094-4639-11

BRRTS: #03-28-174068

Jon Heberer
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Madison, Wisconsin 53711

Re: Ken Staude Property
611 South Sixth Street
Watertown, Wisconsin 53094

Dear Mr. Heberer:

We are requesting budget to conduct a remedial excavation at the above referenced site. The total budget request is for \$26,109.36. This includes items on the U&C Schedule as well as a variance for the remedial excavation costs.

During the assessment soils with petroleum-related contamination exceeding RCLs were identified over a relatively small area. The contaminated soils extended from ~7 to 20 feet below grade. The proposed remediation includes excavation of 400 tons of contaminated soil and around 220 tons of clean overburden.

Soil Remediation Budget-Variance Items

The total costs related to the contaminated soils remediation are \$23,485.02. This includes the contracting costs for the remedial excavation, disposal, and backfilling (details of the variance are tabulated below). The costs related to handling the clean overburden are separate items in the summary table for your information/convenience.

ITEM	Amount	Unit Cost	Total
Contractor Mobilization	1	\$1000	\$1,000
Excavate and stockpile clean soil	220 ton	\$2.75	\$605
Excavate/load/haul contaminated soil	400 ton	\$8.00	\$3,200
Provide backfill and compact	400 ton	\$12.75	\$5,100
Backfill and compact stockpiled soil	220 ton	\$4.75	\$1,045
Landfill profiling fee		\$100	\$100
Tipping fees	400 tons	\$27.00	\$10,800
Total Commodity Costs			\$21,850
Consultant Oversight (contaminated)	16 hours	91.39	\$1,462.24
Consultant Oversight (overburden)	2 hours	91.39	\$182.78
Total Consultant Costs			\$1,645.02
Total Remediation Cost			\$23,485.02

The costs related to the proposed soil remediation including the clean overburden are less than the approvable rates outlined in the PECFA U&C invoice table for limited soil excavations. We expect that this will take at least two days.

All of the other activities needed to conduct the soil remediation can be completed for the U&C rates. These include consultant mob/demob, confirmation soil sample analysis, preparation of a letter report, and a cost request. The total U&C cost is \$2,624.34.

Once we have the excavation completed, we will submit a report detailing the remedial action and recommendations for groundwater monitoring. A budget request for groundwater monitoring will be submitted along with the report.

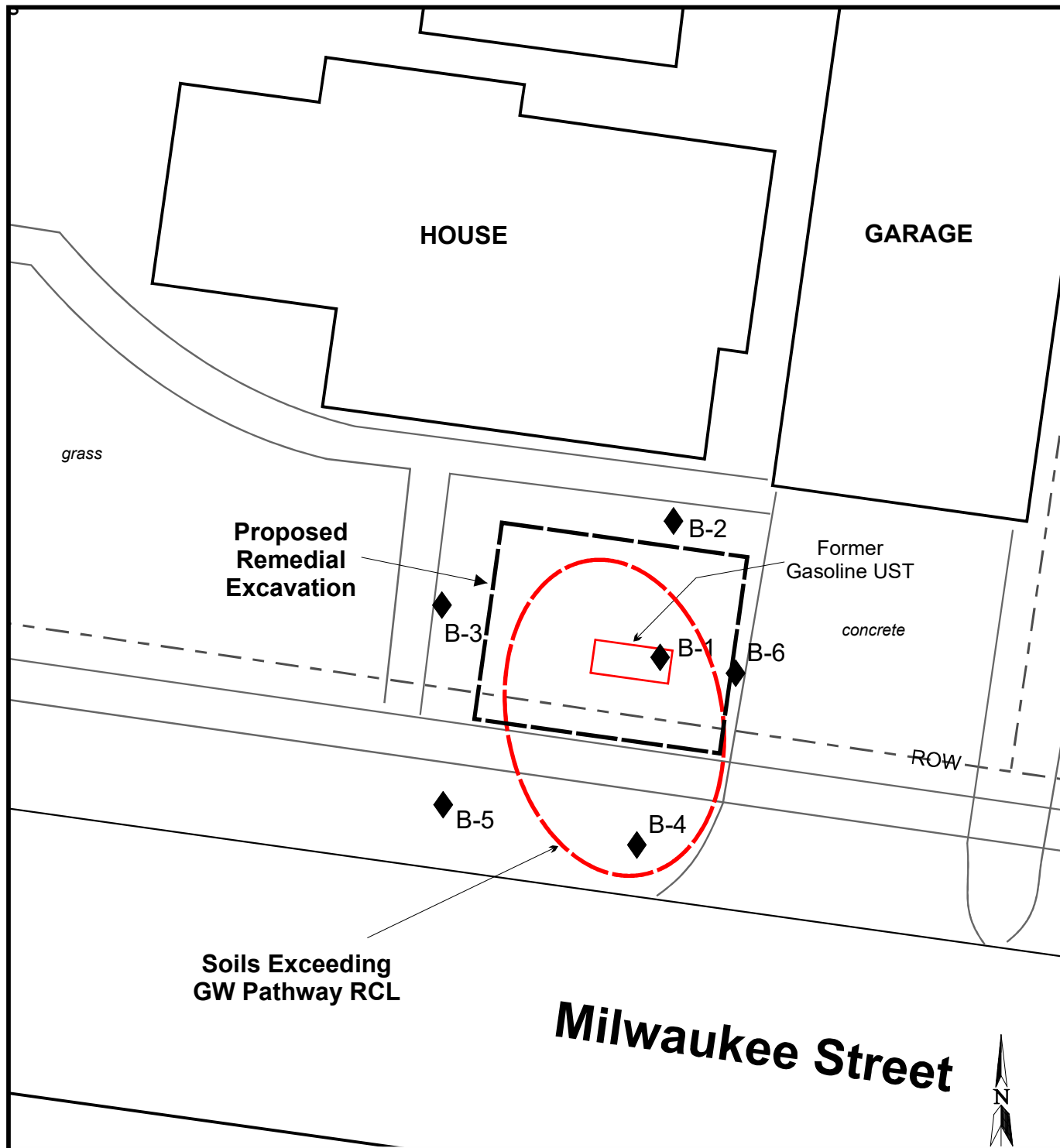
Please call me if you have any questions at 608-838-9120 or 608-225-9407 (cell).

Sincerely,
Seymour Environmental Services, Inc.



Robyn Seymour
Hydrogeologist

Attachment: U&C Cost Schedule
Proposed Remedial Excavation Map
Contractor Bid (Koplin Excavating and Grading, Inc)



LEGEND

B-5 ♦ - Geoprobe (June 2017)

0 15' 30'

1 INCH = 15 FEET
SCALE IS APPROXIMATE

FILE/PATH: D:\PROJECTS\STAUDE\Soilcont.cdr
 DATE: 04/25/2017
 PREPARED: MDF APPROVED:
 SOURCE: Jefferson County Public Mapping Field Measurements

SEYMOUR ENVIRONMENTAL SERVICES, INC.

PROPOSED REMEDIAL EXCAVATION
 Ken Staude Property
 611 South Sixth Street
 Watertown, Wisconsin

FIGURE A

Usual and Customary Standardized Invoice #25

January 2019 - June 2019



RR-107a

TOTAL LAB CHARGES ##### TASK 33 0 \$ - TASK 24 8 \$ 288.16

MATRIX	REF CODE	REIMBURSABLE ANALYTE	UNITS	MAX COST	SAMPLES	TOTAL	MAX COST	SAMPLES	TOTAL
WATER	W21	EDB Method 504	SAMPLE	\$ 95.45		\$ -	MAX COST		TOTAL
SOILS	S1	GRO	SAMPLE	\$ 24.78		\$ -	\$ 24.78		\$ -
SOILS	S2	DRO	SAMPLE	\$ 30.35		\$ -	\$ 30.35		\$ -
SOILS	S3	GRO/PVOC	SAMPLE	\$ 28.14		\$ -	\$ 28.14		\$ -
SOILS	S4	PVOC	SAMPLE	\$ 25.83		\$ -	\$ 25.83		\$ -
SOILS	S5	PVOC + 1,2 DCA + Naphthalene	SAMPLE	\$ 49.46		\$ -	\$ 49.46		\$ -
SOILS	S6	PVOC + Naphthalene	SAMPLE	\$ 36.02		\$ -	\$ 36.02	8	\$ 288.16
SOILS	S7	VOC	SAMPLE	\$ 71.93		\$ -	\$ 71.93		\$ -
SOILS	S8	SPLP Extraction VOC only	SAMPLE	\$ 50.61		\$ -	\$ 50.61		\$ -
SOILS	S9	PAH	SAMPLE	\$ 72.98		\$ -	\$ 72.98		\$ -
SOILS	S10	Lead	SAMPLE	\$ 12.39		\$ -	\$ 12.39		\$ -
SOILS	S11	Cadmium	SAMPLE	\$ 14.60		\$ -	TASK 24 TOTAL		\$ 288.16
SOILS	S12	Free Liquid	SAMPLE	\$ 11.24		\$ -			
SOILS	S13	Flash Point	SAMPLE	\$ 25.83		\$ -			
SOILS	S14	Grain Size - dry	SAMPLE	\$ 42.74		\$ -			
SOILS	S15	Grain Size - wet	SAMPLE	\$ 57.33		\$ -			
SOILS	S16	Bulk Density	SAMPLE	\$ 13.55		\$ -			
SOILS	S17	Permeability	SAMPLE	\$ 41.58		\$ -			
SOILS	S18	Nitrogen as Total Kjeldahl	SAMPLE	\$ 20.27		\$ -			
SOILS	S19	Nitrogen as Ammonia	SAMPLE	\$ 16.91		\$ -			
SOILS	S20	% Organic Matter	SAMPLE	\$ 29.19		\$ -			
SOILS	S21	TOC as NPOC	SAMPLE	\$ 57.33		\$ -			
SOILS	S22	Soil Moisture Content	SAMPLE	\$ 6.83		\$ -			
SOILS	S23	Air Filled Porosity	SAMPLE	\$ 25.83		\$ -			
SOILS	S24	% Total Solids	SAMPLE	\$ 6.83		\$ -			
		Viscosity + Density							
LNAPL	LFPS01	Interfacial tension I (LNAPL/water [dyne/cm])	SAMPLE	\$ 561.33		\$ -			
		Interfacial tension II (LNAPL/air [dyne/cm])							
		Interfacial tension III (water/air [dyne/cm])							
						TASK 33 TOTAL \$ -			

Bid Estimate Sheet
Ken Staude Property - Watertown, Wisconsin
Excavation and Removal of Petroleum-Contaminated Soil

<u>ITEM</u>	<u>UNIT COST</u>	<u>ESTIMATED TOTAL</u>
PECFA-ELIGIBLE ITEMS		
Mobilization (lump sum per mobilization = \$ <u>1000.00</u>)	(lump sum)	\$ <u>1000.00</u>
Excavate and stockpile clean soil onsite (per ton = \$ <u>2.75</u>)	(220 tons)	\$ <u>605.00</u>
Excavate/load soil/haul soil (per ton = \$ <u>8.00</u>)	(400 tons)	\$ <u>3200.00</u>
Provide backfill soil material (source of your choice)/compact (per ton = \$ <u>12.75</u>)	(400 tons)	\$ <u>5100.00</u>
Backfill and compact stockpiled soil (per ton = \$ <u>4.75</u>)	(220 tons)	\$ <u>1045.00</u>
Total Eligible Site Work Cost \$		<u>10,950.00</u>

Koplin Excavating and Grading, Inc.



Travis Hamann