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Engineers • Consultants • Inspectors

August 2, 2019

Ms. Janet DiMaggio
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711

Re: Bid Deferral and Remedial Excavation Variance Request
Kreyer Country Store
6858 State Highway 18
Mt. Ida, Wisconsin
GEC Project Number: 0710-290
WDNR BRRTS #03-22-152084
PECFA Number 53809-9640-58

Dear Ms. DiMaggio,

At the request of the Wisconsin Department of Natural Resources (WDNR), General Engineering Company (GEC) is submitting this bid deferral and variance request to perform remedial excavation activities at the above-mentioned site.

During the site investigation work performed to date, an area of petroleum contaminated soil containing petroleum volatile organic compounds (PVOCs) and naphthalene exceeding the NR 720 soil to groundwater residual contaminant levels (RCLs). Petroleum contaminated soils with contaminant concentrations exceeding their respective standards have been identified at soil probes GP-2, GP-3, and GP-5 at depths ranging from approximately 2 feet below ground surface (bgs) to the depth of bedrock at approximately 13 to 14 feet bgs. Groundwater does not appear to have been substantially impacted based on the groundwater analytical results collected from the site sampling points and sampling rounds performed to date. Groundwater is present at depths of below 30 feet bgs within MW-1, which is located in the anticipated excavation area. Groundwater is not expected to be encountered during the remedial excavation activities. A soil analytical table is provided within the attached bid.

Based on the accessibility of the affected soils and the unpredictable groundwater migration within fractured bedrock, the WDNR is requiring source removal of accessible contaminated soils. GEC is requesting a variance to perform the remedial excavation of affected soils from depths ranging from the near surface to the bedrock depth of up to 14 feet bgs. The excavation depth will be dependent on stability of the foundations for the house and garage as well and the landscaping and fence area to the southeast and southwest of the house. The estimated limits of the remedial excavation are shown on Figure 6 within the bid document. The planned scope of work includes the removal of an estimated 600 to 700 tons of affected soil (700 tons was used for this bid and includes extending the excavation to a depth of 10 to 14 feet, which is not anticipated to be possible in the entire excavation); disposal of the soil at La Crosse County Landfill in La Crosse, Wisconsin; collection of 22 soil samples from the sidewalls and bottom of the excavation for laboratory analysis, backfilling of the excavation, and submittal of a remedial documentation report. Soil samples will be submitted for laboratory analysis for the presence of PVOCs, naphthalene, and lead.

It should be noted that difficulty is anticipated during the excavation activities due to the excavation occurring near the house and garage foundation area and landscaping brick and fence along the southwest and southeast sides of the house; the potential for significant sidewall caving during excavation and backfilling; and due to the landfill distance (4 – 4.5 hour round trip). Therefore, 40 hours of time to perform the excavation and backfilling have been estimated to account for these anticipated problems.

The consultant change order preparation, mobilization, overnight per diem, landfill profile fee (Permit Fees for the Trucks, included on bids) and laboratory analytical costs for this bid deferral request were calculated utilizing the most recent Usual and Customary Cost Schedule (UCCS) #26. Those costs total $2,512.39 and are included on the attached Usual and Customary Standardized Invoice. The variance costs (GEC and commodity) associated with the remedial excavation activities are included in the variance rows of the UCCS Invoice #26 and total $51,511.88. As requested, this request includes an hourly rate for excavation oversight and not the per ton costs from the UCCS. Time to prepare a remedial documentation report, including the results and tonnage report is also included as a variance cost. The breakdown of the variance costs is shown below and were calculated utilizing the bid information and Customary Hourly Labor Rates.

Commodity Variance Costs for Remedial Excavation (Including Trucking and Backfilling)

700 Tons	X	$34.75 per Ton	=	Total	$24,325

Commodity Variance Costs for Landfill Disposal of Petroleum Affected Soils

700 Tons	X	$30 per Ton	=	Total	$21,000

Landfill Permit Fees (8 Trucks $25 each for 3 days – total $50 per truck) Estimated 5 days

8 Trucks	X	$50 Each	=	Total	$200

Consultant Remedial Excavation Oversight

40	Hours	X	$112.96	per Hour	=	$4,518.40

*See Page 2 for an explanation of remedial excavation and anticipated time to complete it.

Consultant Remedial Documentation Report

14	Hours	X	$112.96	per Hour	=	$14,68.48

*See Page 2 for an explanation of remedial excavation and anticipated time to complete it.

Total Variance **$51,511.88**

General Engineering looks forward to your response. Please do not hesitate to contact me with any questions or concerns.

Respectfully submitted,

GENERAL ENGINEERING COMPANY

Brian Youngwirth
Environmental Project Manager

Lynn M. Bradley
Environmental Project Manager

Attached: UCCS Standardized Invoice
Remedial Excavation Bid Document and Associated Bids

c: Jeff and Gloria Lutzen

USUAL AND CUSTOMARY COSTS
STANDARDIZED INVOICE

Usual and Customary Standardized Invoice #26
July 2019 - December 2019

RR-111a

PECFA #: 53809-9640-58
BRRTS #: 03-22-152084
Site Name: Kreyer Country Store
Site Address: 6858 State Highway 18

Vendor Name:
Invoice #:
Invoice Date:
Check #:

U&C Total	$	2,512.39
Variance to U&C Total	$	51,511.88
Grand Total	$	54,024.27

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT		MAX UNIT COST		UNITS		TOTAL MAX
1	GW Sampling		GS05	Sample Collection	Well	$	74.62			$	-
1	GW Sampling		GS06	Sample Collection in well w/LNAPL	Well	$	90.07			$	-
1	GW Sampling		GS10	Incremental Sample Collection (natural attenuation)	Well	$	49.10			$	-
1	GW Sampling		GS15	Incremental Sample Collection (cadmium & lead)	Well	$	27.04			$	-
1	GW Sampling		GS20	Measure Water Levels (for wells not being sampled)	Well	$	15.14			$	-
1	GW Sampling		GS25	Primary Mob/Demob	Site	$	690.92			$	-
1	GW Sampling		GS30	Temporary Well Abandonment	Well	$	27.80			$	-
2	O & M Reporting		OMR05	Semi-Annual GW Monitoring (Form 4400-194)	Report	$	848.44			$	-
2	O & M Reporting		OMR10	Semi-Annual GW Monitoring (Form 4400-194) with LNAPL Removal per RR-628	Report	$	1,071.66			$	-
3	LNAPL Assessment & Removal		LAR06	LNAPL Sample Collection (1 per site, unless otherwise direct	Site	$	70.30			$	-
3	LNAPL Assessment & Removal		LAR10	Primary Mob/Demob	Site	$	569.88			$	-
4	Waste Disposal	Consultant	WD05	Consultant Coordination	Site	$	141.24			$	-
4	Waste Disposal	Commodity	WD10	GW Sample and/or Purge	Drum	$	43.37			$	-
4	Waste Disposal	Commodity	WD15	Drill Cuttings	Drum	$	111.39			$	-
4	Waste Disposal	Commodity	WD17	Landfill Environmental Fee (provide documentation)	ACTUAL COST						
4	Waste Disposal	Commodity	WD20	Free Product	Drum	$	122.32			$	-
4	Waste Disposal	Commodity	WD25	Primary Mob/Demob	Site	$	316.47			$	-
5	Closure Request		CR05	Primary Closure Request	Submittal	$	2,781.00			$	-
5	Closure Request		CR15	Continuing Obligation Packet Submittal (For Source Property	Packet	$	522.58			$	-
5	Closure Request		CR20	Continuing Obligation Packet Submittal (For off-site Propertie	Per Additional Property	$	229.39			$	-
5	Closure Request		CR25	Closure Request Following SIR	Submittal	$	1,287.50			$	-
5	Closure Request		CR30	PE review and certification of closure packet	Site	$	1,129.60			$	-
6	Letter Report/Addendum		LRA05	Letter Report/Addendum	Letter	$	1,070.47			$	-
7	Regulatory Correspondence		RC05	Regulatory Correspondence	Letter/Status Update	$	132.81			$	-

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
8	Well Abandonment	Consultant	WAB05	Coordination	Site	$ 162.86		$ -
8	Well Abandonment	Consultant	WAB10	Water column < 30 ft	Ft	$ 2.60		$ -
8	Well Abandonment	Consultant	WAB15	Water column > 30 ft (requires pumping [s. NR 141.25 (2) (d)]	Ft	$ 9.08		$ -
8	Well Abandonment	Consultant	WAB20	Bentonite Pellets (50lb bag - 1/4" pellet)	Bag	$ 11.14		$ -
8	Well Abandonment	Consultant	WAB25	Portland Cement (94lb bag)	Bag	$ 8.44		$ -
8	Well Abandonment	Consultant	WAB30	Primary Mob/Demob	Site	$ 398.48		$ -
8	Well Abandonment	Consultant	WAB31	Primary Mob/Demob w/ vapor point abandonment	Site	$ 563.48		$ -
8	Well Abandonment	Consultant	WAB32	Vapor Point Abandonment	Point	$ 81.58		$ -
8	Well Abandonment	Commodity	WAB35	Well Abandonment Mob/Demob	Site	$ 453.81		$ -
8	Well Abandonment	Commodity	WAB40	Well Abandonment (2 inch)	Ft	$ 5.74		$ -
8	Well Abandonment	Commodity	WAB45	Well Abandonment (4 inch)	Ft	$ 6.71		$ -
8	Well Abandonment	Commodity	WAB50	Well Abandonment (6 inch)	Ft	$ 8.22		$ -
9	Investigation Workplan Preparation		IWP05	Investigation Workplan Preparation	Report	$ 1,495.18		$ -
10	Initial Site Survey	Consultant	IS05	Coordination of Initial Site Survey (features + well elevations)	Survey	$ 120.70		$ -
10	Initial Site Survey	Consultant	IS10	Subsequent Surveys	Well	$ 113.45		$ -
10	Initial Site Survey	Commodity	IS15	Initial Survey	Survey	$ 1,206.85		$ -
11	Potable Well Field Reconnaissance		PWFR05	Potable Well Field Reconnaissance	Site	$ 601.01		$ -
12	Direct Push	Consultant	DP05	0 - 24 ft bgs W/ Continuous Soil Sampling	Ft	$ 5.52		$ -
12	Direct Push	Consultant	DP10	> 24 ft bgs W/ Continuous Soil Sampling	Ft	$ 6.17		$ -
12	Direct Push	Consultant	DP15	GW Profiling (No Soil Sampling)	Ft	$ 2.38		$ -
12	Direct Push	Consultant	DP20	GW Sample Collection	Each	$ 37.18		$ -
12	Direct Push	Consultant	DP25	Temporary Well Installation	Each	$ 51.40		$ -
12	Direct Push	Consultant	DP30	Primary Mob/Demob	Site	$ 563.31		$ -
12	Direct Push	Commodity	DP35	0 - 24 ft bgs W/ Continuous Soil Sampling	Ft	$ 7.14		$ -
12	Direct Push	Commodity	DP40	> 24 ft bgs W/ Continuous Soil Sampling	Ft	$ 9.30		$ -
12	Direct Push	Commodity	DP45	GW Profiling (no soil sampling)	Ft	$ 6.71		$ -
12	Direct Push	Commodity	DP50	GW Sample Collection (cost for tubing)	Ft	$ 0.43		$ -
12	Direct Push	Commodity	DP55	Expendable Drive Point	Each	$ 14.92		$ -
12	Direct Push	Commodity	DP60	Borehole Abandonment	Ft	$ 1.30		$ -
12	Direct Push	Commodity	DP65	Concrete Penetration	Each	$ 20.70		$ -
12	Direct Push	Commodity	DP70	GW Sample Collection	Each	$ 40.45		$ -
12	Direct Push	Commodity	DP75	Temporary Well Installation	Ft	$ 5.41		$ -
12	Direct Push	Commodity	DP80	Mob/Demob (Includes decon)	Site	$ 578.66		$ -

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR05	0 - 25 ft bgs	Ft	$ 5.56		$ -
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR10	26 - 50 ft bgs	Ft	$ 5.84		$ -
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR15	51 - 75 ft bgs	Ft	$ 7.52		$ -
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR20	Primary Mob/Demob	Site	$ 652.34		$ -
13.b	Drilling In Unconsolidated Soils - Without Soil And/Or GW Sampling	Consultant	DR25	Consultant Oversight	Ft	$ 1.63		$ -
13.b	Drilling In Unconsolidated Soils - Without Soil And/Or GW Sampling	Consultant	DR30	Primary Mob/Demob	Site	$ 555.68		$ -
13.c	Drilling In Bedrock	Consultant	DR35	Consultant Oversight	Ft	$ 6.39		$ -
13.c	Drilling In Bedrock	Consultant	DR40	Primary Mob/Demob	Site	$ 652.34		$ -
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR45	0 - 25 ft bgs	Ft	$ 17.20		$ -
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR50	26 - 50 ft bgs	Ft	$ 18.93		$ -
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR55	51 - 75 ft bgs	Ft	$ 22.18		$ -
13.e	Drilling In Unconsolidated Soils - Without Soil And/Or GW Sampling	Commodity	DR60	Drilling in Unconsolidated Soils	Ft	$ 12.33		$ -
13.f	Drilling In Bedrock	Commodity	DR65	Drilling in Bedrock	Ft	$ 34.18		$ -
13.f	Drilling In Bedrock	Commodity	DR70	Bedrock Drilling Setup Charge	Each	$ 166.88		$ -
13.f	Drilling In Bedrock	Commodity	DR75	Air Compressor	Day	$ 439.20		$ -
14	Monitoring Well Installation	Consultant	MWI05	0 - 25 ft bgs	Ft	$ 4.01		$ -
14	Monitoring Well Installation	Consultant	MWI10	26 - 75 ft bgs	Ft	$ 2.81		$ -
14	Monitoring Well Installation	Commodity	MWI15	2 inch PVC Casing	Ft	$ 17.20		$ -
14	Monitoring Well Installation	Commodity	MWI20	Well Development	Well	$ 152.06		$ -
14	Monitoring Well Installation	Commodity	MWI25	Mob/Demob (For development of grout or slurry sealed wells	Site	$ 603.49		$ -
15	Misc. Drilling Activities & Supplies		MDT05	Drill Rig Mob/Demob	Mob/Demob	$ 1,059.72		$ -
15	Misc. Drilling Activities & Supplies		MDT10	Well Cover/flushmount	Each	$ 208.73		$ -
15	Misc. Drilling Activities & Supplies		MDT15	Stickup Well Cover	Each	$ 168.83		$ -
15	Misc. Drilling Activities & Supplies		MDT20	Bumper Guard Posts	Each	$ 71.38		$ -
15	Misc. Drilling Activities & Supplies		MDT21	Drum, 55 gal. DOT steel	Each	$ 56.78		$ -
15	Misc. Drilling Activities & Supplies		MDT25	Commodity Service Provider Per Diem (drilling and direct push)	Person	$ 209.38		$ -
15	Misc. Drilling Activities & Supplies		MDT30	Well Repair	Well	$ 86.95		$ -
15	Misc. Drilling Activities & Supplies		MDT35	Borehole Abandonment	Foot	$ 5.62		$ -
15	Misc. Drilling Activities & Supplies		MDT40	Concrete Penetration	Each	$ 75.06		$ -

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
15	Misc. Drilling Activities & Supplies		MDT41	Private Utility Locate	ACTUAL COST			$ -
15	Misc. Drilling Activities & Supplies		MDT45	Padlocks	Each	$ 8.22		$ -
16	Hand Auger Boring		HA05	Hand Augering	Boring	$ 92.69		$ -
16	Hand Auger Boring		HA10	Primary Mob/Demob	Site	$ 611.12		$ -
17	Surface Soil/Sediment/Water Sampling		SSWS05	Sampling	Sample Location	$ 22.18		$ -
17	Surface Soil/Sediment/Water Sampling		SSWS10	Primary Mob/Demob	Site	$ 497.70		$ -
19	Hydraulic Conductivity Testing		HCT05	Hydraulic Conductivity Testing	Well	$ 60.35		$ -
19	Hydraulic Conductivity Testing		HCT10	Primary Mob/Demob	Site	$ 718.07		$ -
20	Soil Boring/Monitoring Well Permits		SBMWP05	Soil Boring/Monitoring Well Permit	Permit	$ 253.50		$ -
20	Soil Boring/Monitoring Well Permits		SBMWP10	Permit Fee (copy of permit & fee receipt required)	Permit Fee			
21	Access Agreements		AA05	Access Agreements	Property	$ 414.00		$ -
22	Soil Investigation Report		SIR05	Soil Investigation Report	Report	$ 3,430.85		$ -
23	Soil And GW Investigation Report		SGIR05	Soil and GW Investigation Report	Report	$ 5,114.31		$ -
24	Limited Soil Excavation	Consultant	LSE05	Consultant Oversight for Limited Soil Excavation	Ton	$ 5.09		$ -
24	Limited Soil Excavation	Consultant	LSE10	Primary Mob/Demob	Site	$ 915.11	1	$ 915.11
24	Limited Soil Excavation	Commodity	LSE13	Laboratory (see task 24 total on Lab Schedule)	Lab Schedule		0	$ -
24	Limited Soil Excavation	Commodity	LSE15	Limited Soil Excavation	Ton	$ 61.80		$ -
24	Limited Soil Excavation	Commodity	LSE16	Landfill Environmental Fee (provide documentation)	ACTUAL COST			
25	Remediation System Shut Down		SSD05	Permanent	Site	$ 1,128.33		$ -
25	Remediation System Shut Down		SSD10	Temporary	Site	$ 339.16		$ -
25	Remediation System Shut Down		SSD15	Primary Mob/Demob	Site	$ 520.91		$ -
27	Claim Submittal		CS05	Claim Submittal	Claim	$ 603.48		$ -
28	Standardized Invoice		SI05	Standardized Invoice	Invoice	$ 18.17		$ -
30	Meeting With Regulators		MR05	Meeting with Regulators	Meeting	$ 359.71		$ -
31	Consultant Overnight Per Diem		COPD05	Overnight	Night	$ 125.09	4	$ 500.36
33	Schedule Of Laboratory Maximums	Commodity		Laboratory (see task 33 total on Lab Schedule)	Lab Schedule			$ 1,096.92
34	Consultant Incremental Mob/Demob		IMD05	Incremental Mob/Demob	Site	$ 295.80		$ -
35	Cap Maintenance Plan		CMP05	Cap Maintenance Plan	Plan	$ 329.64		$ -
36	Change Order Request		COR05	Change Order Request (cost cap exceedance requests)	Change Order	$ 393.23		$ -
37	Vapor Point Installation & Sampling		VIS05	Installation & Sampling (up to 5 points)	Point	$ 510.26		$ -
37	Vapor Point Installation & Sampling		VIS10	Mob/Demob (up to 5 points)	Site	$ 813.95		$ -
Variance	Excavation-GEC			GEC Excavation Oversight	Hours	$ 112.96	40	$ 4,518.40
Variance	Landfill			Landfill Disposal Fees	Tons	$ 30.00	700	$ 21,000.00
Variance	Landfill Permit Fees			Landfill Permit Fees	Total	$ 1.00	200	$ 200.00

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT		MAX UNIT COST	UNITS		TOTAL MAX
Variance	Excavator			Excavation Subcontractor Costs	Tons	$	34.75	700	$	24,325.00
Variance	Remedial Doc Report			Report	Hours	$	112.96	13	$	1,468.48

Usual and Customary Standardized Invoice #26
July 2019 - December 2019 (Interim)

RR-111a

TOTAL LAB CHARGES	######	TASK 33	44	######	TASK 24	0	$ -

MATRIX	REF CODE	REIMBURSABLE ANALYTE	UNITS	MAX COST	SAMPLES	TOTAL	MAX COST	SAMPLES	TOTAL
AIR	A1	Benzene	SAMPLE	$ 46.29		$ -			
AIR	A2	BETX	SAMPLE	$ 50.94		$ -			
AIR	A3	GRO	SAMPLE	$ 47.48		$ -			
AIR	A4	VOC's	SAMPLE	$ 74.09		$ -			
WATER	W1	GRO/PVOC	SAMPLE	$ 30.07		$ -			
WATER	W2	PVOC	SAMPLE	$ 27.80		$ -			
WATER	W3	PVOC + 1,2 DCA	SAMPLE	$ 45.10		$ -			
WATER	W4	PVOC + Naphthalene	SAMPLE	$ 31.26		$ -			
WATER	W5	VOC	SAMPLE	$ 74.09		$ -			
WATER	W6	PAH	SAMPLE	$ 75.17		$ -			
WATER	W7	Lead	SAMPLE	$ 12.76		$ -			
WATER	W8	Cadmium	SAMPLE	$ 13.96		$ -			
WATER	W9	Hardness	SAMPLE	$ 12.76		$ -			
WATER	W10	BOD, Total	SAMPLE	$ 24.34		$ -			
WATER	W11	Nitrate	SAMPLE	$ 11.58		$ -			
WATER	W12	Total Kjeldahl	SAMPLE	$ 20.88		$ -			
WATER	W13	Ammonia	SAMPLE	$ 17.42		$ -			
WATER	W14	Sulfate	SAMPLE	$ 10.50		$ -			
WATER	W15	Iron	SAMPLE	$ 10.50		$ -			
WATER	W16	Manganese	SAMPLE	$ 10.50		$ -			
WATER	W17	Alkalinity	SAMPLE	$ 10.50		$ -			
WATER	W18	methane	SAMPLE	$ 47.48		$ -			
WATER	W19	Phosphorous	SAMPLE	$ 18.60		$ -			
WATER	W20	VOC Method 524.2	SAMPLE	$ 181.59		$ -			
WATER	W21	EDB Method 504	SAMPLE	$ 98.31		$ -	MAX COST	SAMPLES	TOTAL
SOILS	S1	GRO	SAMPLE	$ 25.52		$ -	$ 25.52		$ -
SOILS	S2	DRO	SAMPLE	$ 31.26		$ -	$ 31.26		$ -
SOILS	S3	GRO/PVOC	SAMPLE	$ 28.98		$ -	$ 28.98		$ -
SOILS	S4	PVOC	SAMPLE	$ 26.60		$ -	$ 26.60		$ -
SOILS	S5	PVOC + 1,2 DCA + Naphthalene	SAMPLE	$ 50.94		$ -	$ 50.94		$ -
SOILS	S6	PVOC + Naphthalene	SAMPLE	$ 37.10	22	$ 816.20	$ 37.10		$ -
SOILS	S7	VOC	SAMPLE	$ 74.09		$ -	$ 74.09		$ -
SOILS	S8	SPLP Extraction VOC only	SAMPLE	$ 52.13		$ -	$ 52.13		$ -
SOILS	S9	PAH	SAMPLE	$ 75.17		$ -	$ 75.17		$ -
SOILS	S10	Lead	SAMPLE	$ 12.76	22	$ 280.72	$ 12.76		$ -
SOILS	S11	Cadmium	SAMPLE	$ 15.04		$ -		TASK 24 TOTAL	$ -
SOILS	S12	Free Liquid	SAMPLE	$ 11.58		$ -			
SOILS	S13	Flash Point	SAMPLE	$ 26.60		$ -			
SOILS	S14	Grain Size - dry	SAMPLE	$ 44.02		$ -			
SOILS	S15	Grain Size - wet	SAMPLE	$ 59.05		$ -			
SOILS	S16	Bulk Density	SAMPLE	$ 13.96		$ -			

MATRIX	REF CODE	REIMBURSABLE ANALYTE	UNITS	MAX COST	SAMPLES	TOTAL	MAX COST	SAMPLES	TOTAL
SOILS	S17	Permeability	SAMPLE	$ 42.83		$ -			
SOILS	S18	Nitrogen as Total Kjeldahl	SAMPLE	$ 20.88		$ -			
SOILS	S19	Nitrogen as Ammonia	SAMPLE	$ 17.42		$ -			
SOILS	S20	% Organic Matter	SAMPLE	$ 30.07		$ -			
SOILS	S21	TOC as NPOC	SAMPLE	$ 59.05		$ -			
SOILS	S22	Soil Moisture Content	SAMPLE	$ 7.03		$ -			
SOILS	S23	Air Filled Porosity	SAMPLE	$ 26.60		$ -			
SOILS	S24	% Total Solids	SAMPLE	$ 7.03		$ -			
SOILS	S25	Field Capacity	SAMPLE	$ 28.98		$ -			
SOILS	S26	TCLP Lead	SAMPLE	$ 85.65		$ -			
SOILS	S27	Cation Exchange (Ca, MG, & K)	SAMPLE	$ 27.80		$ -			
SOILS	S28	TCLP Cadmium	SAMPLE	$ 85.65		$ -			
SOILS	S29	TCLP Benzene	SAMPLE	$ 85.65		$ -			
LNAPL	LFPS01	Viscosity + Density Interfacial tension I (LNAPL/water [dyne/cm]) Interfacial tension II (LNAPL/air [dyne/cm]) Interfacial tension III (water/air) [dyne/cm])	SAMPLE	$ 578.17		$ -			
					TASK 33 TOTAL	**$ 1,096.92**			

WIEDERHOLT BID

Wiederholt Bid

Lutzen Fennimore, WI

EXCAVATION BID - ~~AMERITECH, PORTAGE, WI~~

PROJECT: Lutzen Property **Date** 7/24/2019
LOCATION: 6858 State Hwy 18, Mt. Ida, Wisconsin **PM** Lynn Bradley

Excavation Work

	Item	Hours		Rate	Total
1.	Excavation of approximately 600 to 700 tons of petroleum affected soils, transport to a licensed landfill, backfill and compaction of the site. **The upper 12 inches of backfill should consist of compacted 3/4 inch crushed gravel.** (Include the number of trucks anticipated to be used per day).	700	Tons	34.75	24,325-
2	Cost of Trucks for Licensing at LaCrosse Landfill (See Bid Form). $25 per truck for 3 days.	8	Trucks	$25.00	200-
3	# of Trucks/Approximate Days 8 Trucks / 5 Days				
	Estimated Sub-Total				$0.00
	Total Estimated Costs				24,525-

Lynn Bradley
General Engineering Company
916 Silver Lake Drive
Portage, WI 53901
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General Engineering Company
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Engineers • Consultants • Inspectors

July 24, 2019

Tim Wiederholt
Wiederholtenterprisesllc@outlook.com
521 N Randolph Street
Cuba City, WI 53807

RE: Excavation Bid
Kreyer Country Store (Lutzen Property)
6858 State Highway 18
Mt. Ida, Wisconsin
GEC Project Number: 0710-290
WDNR BRRTS #03-22-162084

Dear Tim,

General Engineering Company is obtaining bids for the excavation, disposal, backfilling, and compaction of approximately 600 to 700 tons (700 tons will be used for this bid document) of petroleum affected soils at the Former Kreyer Store (now Lutzen Property) property, located at 6858 State Hwy 18, in the Town of Mount Ida, Grant County, Wisconsin. The activities are being performed due to a release of gasoline from two former 300-gallon gasoline underground storage tanks (USTs) and one 500-gallon USTs. A figure showing the estimated excavation extent and tables summarizing analytical results from soil samples collected during investigation activities are included as attachments. The excavation activities are planned to be performed up to depths of 14 feet below the ground surface. Groundwater is not anticipated to be encountered within the excavation. There is minimal unaffected overburden soils anticipated during the excavation activities (if any). The excavation is planned to be shallower in the area of the structures as to not compromise the foundation of the home or garage.

- The contaminated soils must be properly excavated and transported to a landfill that is licensed to accept petroleum affected soils. Due to its proximity to this site, the most cost-effective option for disposal appears to be La Crosse County Landfill in La Crosse, Wisconsin. The landfill is approximately 89 miles in each direction, so it expected that the "turn-around" time for each load will approximately 4 hours. **Please note there will be a charge of $25 per truck to enter the landfill (for 3-day permit). Please include this in the estimate.**

  La Crosse County Landfill
  3200 Berlin Drive
  La Crosse, WI 54601-1818

- The contractor is responsible for backfilling, compacting and leaving the property in a similar state as prior to excavation. The upper 12 inches of backfill should consist of compacted ¾ inch crushed gravel. **Please include the estimated number of days to complete the project along with the estimated number of trucks planned to be utilized for hauling each day.**

A brief description of the site and relevant investigation activities performed at the site are described below:

Background

The project site is located at 6858 US Highway 18 in the Town of Mount Ida, Wisconsin. More specifically, the property is located within the Northwest ¼ of the Northwest ¼ of Section 29, Township 06 North, Range 03 West, Grant County, Wisconsin. The site is located within a rural residential area. A site location map is shown in Figure 1, Appendix A.

The subject site is occupied by a residence and several out-buildings. The property is primarily occupied by a residential home on the southwestern portion of the property with a garage to the southeast followed by a barn and a garage to the northeast of the home. A site plan is shown on Figure 2, Appendix A. The property is bound to the northeast by vacant and wooded land, to the southwest by U.S. Highway 18 and to the southeast and northwest by residential housing.

According to Wisconsin Department of Agriculture, Trade, and Consumer Protection (DATCP) Storage Tank Database, two (2) 300 gallon single-wall, coated steel tanks each containing unleaded gasoline and fuel oil, and one (1) 500 gallon single wall, coated steel tank containing unleaded gasoline are registered as closed/removed on November 6, 1998. The tanks were owned at that time by Mr. Donald Kreyer and were utilized for resale. The business operated as the former Kreyer Country Store. It is understood that a dispenser island was formerly present in a gravel area to the north of the former tank system.

As part of the initial site investigation activities, seven (7) soil probes, designated GP-1 to GP-7 were performed on September 22, 2010. The probes were advanced until refusal on bedrock at depth ranging from 13 feet to 20 feet below ground surface (bgs). Due to the presence of soil contamination extending to bedrock, one (1) bedrock monitoring well (MW-1) was performed on June 2, 2011. The boring was blind drilled to bedrock at a depth of about 12 feet. Due to the presence of groundwater contamination exceeding the WDNR standards at MW-1, three additional soil borings were advanced and converted to monitoring wells on September 8, 2011. Bedrock was encountered within MW-2 to MW-4 at depths of about 8 to 12 feet below grade. The soil boring and monitoring well locations are shown on Figure 3 in Appendix A.

The soils at the probe/boring locations generally consisted of gravel or grass underlain by variable natural soils consisting of reddish-brown silty clay or silty sand with varying amounts of gravel extending to bedrock at depths of 8 to 20 feet below grade. Groundwater was not encountered within the soil probes. At the soil borings, groundwater was encountered within bedrock at depths ranging from about 30 to feet 50 feet below grade.

Petroleum odors and PID results were observed within the samples collected from GP-1, GP-2, GP-3, and GP-5. The highest PID levels (up to 2,000 IU) were detected within the soil samples collected from GP-2 (near the former tank system) at a depth of about 10 feet. Soil samples were collected from each probe/boring to depths ranging from 2 to 19 feet bgs.

Laboratory analysis of the collected soil samples indicated the presence of several PVOCs and/or naphthalene at levels exceeding each compound's respective NR 720 cancer risked based residual contaminant levels (C RCL) and/or soil to groundwater standards at GP-2, GP-3, and GP-5. The highest levels were observed within the sample collected from GP-2 at a depth of about 10 to 12 below grade. The sample contained benzene at a level of 4,630 micrograms per kilogram (µg/kg), which exceeds its C

RCL of 1490 µg/kg and its soil to groundwater RCL of 5.1 µg/kg. The results of the chemical analyses on the soil samples are summarized on Table 1, Appendix B.

Due to the presence of accessible soils at concentrations exceeding the NR 720 direct contact or soil to groundwater RCLs, a remedial excavation is planned to be performed. The estimated limits of the remedial excavation are shown on Figure 5, Attachment A.

BID REQUIREMENTS:

Please complete the attached bid form and return it by e-mail at lbradley@generalengineering.net no later than August 1, 2019.

General Engineering Company
Attention: Lynn Bradley
PO Box 340
Portage, WI 53901

If you have any questions regarding this, please contact me.

Respectfully submitted,

GENERAL ENGINEERING COMPANY

Lynn Bradley
Environmental Project Manager

Attachment A - Figures
Attachment B - Tables

EXCAVATION BID - AMERITECH, PORTAGE, WI

PROJECT: Lutzen Property **Date** 7/24/2019
LOCATION: 6858 State Hwy 18, Mt. Ida, Wisconsin **PM** Lynn Bradley

Excavation Work

	Item	Hours		Rate	Total
1.	Excavation of approximately 600 to 700 tons of petroleum affected soils, transport to a licensed landfill, backfill and compaction of the site. **The upper 12 inches of backfill should consist of compacted 3/4 inch crushed gravel.** (Include the number of trucks anticipated to be used per day).	700	Tons		
2	Cost of Trucks for Licensing at LaCrosse Landfill (See Bid Form). $25 per truck for 3 days.		Trucks	$25.00	
3	# of Trucks/Approximate Days				
	Estimated Sub-Total				$0.00
	Total Estimated Costs				$0.00

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General Engineering Company
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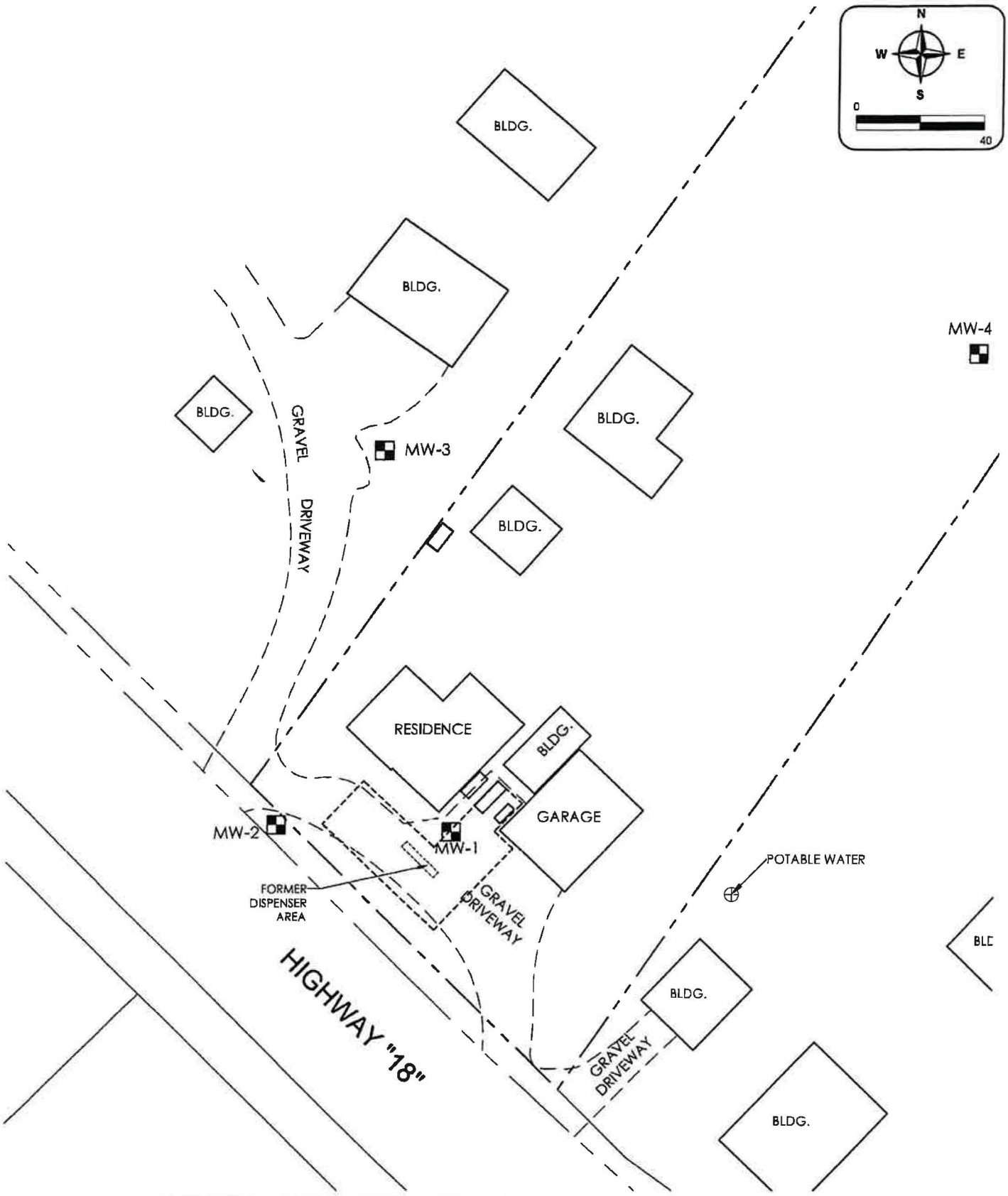
Phone: 608-742-2169 Fax: 608-742-2592



General Engineering Company

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LEGEND

- ESTIMATED PROPERTY LINE
- EXCAVATION LIMITS
- MONITORING WELL LOCATION

ESTIMATED REMEDIAL EXCAVATION LIMITS

LUTZEN PROPERTY
FORMER KREYER COUNTRY STORE
TOWN OF MOUNT IDA
GRANT COUNTY, WI

GEC

DRAWN BY	SRR
REVIEWED BY	LMB
ISSUE DATE	JUNE 2019
GEC FILE NO.	0710-190
SHEET NO.	

FIGURE 6

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TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
LUTZEN PROPERTY

Sample No.	NC RCL (ug/kg)	C RCL (ug/kg)	Not-To-Exceed Direct Contact RCL	Soil to Groundwater RCL	GP-1	GP-2	GP-2	GP-3	GP-3	GP-4	GP-5	GP-5	GP-6	GP-7	MW-2	MW-3	MW-4
Sampling Date					09/22/10	09/22/10	09/22/10	09/22/10	09/22/10	09/22/10	09/22/10	09/22/10	09/22/10	09/22/10	09/08/11	09/08/11	09/08/11
Sample Depth (feet)					12-13'	3-4	10-12	3-4	11-12	15-16	2-4	13-14	15-16	18-19	7.5-9'	7-9'	5-7'
GASOLINE RANGE ORGANICS (GRO), DIESEL RANGE ORGANICS (DRO) (mg/kg)																	
GRO	NE	NE	NE	NE	<3.8	26.6	121	748	500	<4.1	<3.1	568	<4.2	<4.0	<3.4	<3.1	<3.2
DRO	NE	NE	NE	NE	<1.3	6.6	21.3	4150	774	<1.2	<0.91	567	<1.2	<1.3	NA	NA	NA
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC) (µg/kg)																	
Benzene	106000	1600	1600	5.1	<25	**59.9J**	**4630**	**341J**	**1380**	<25	**36.9J**	<62.5	<25	<25	<25.0	<25.0	<25.0
Ethylbenzene	4080000	8020	8020	1570	<25	225	**3310**	**2250**	459	<25	<25	1490	<25	<25	<25.0	<25.0	<25.0
Methyl tert-butyl ether	22100000	63800	63800	27	<25	<25	<25	<250	**160J**	<25	<25	<62.5	<25	<25	<25.0	<25.0	<25.0
Naphthalnene	178000	5520	5520	658	<25	394	**1150**	**24000**	**13900**	<25	<25	**5190**	<25	<25	<25.0	<25.0	<25.0
Toluene	5240000	NE	818000	1107	<25	81.9	**6010**	507J	<100	<25	31.2J	342	<25	<25	<25.0	<25.0	<25.0
1,2,4-Trimethylbenzene	373000	NE	219000	1382	<25	1740	**5680**	**21600**	**2540**	<25	<25	**4850**	<25	<25	<25.0	<25.0	<25.0
1,3,5-Trimethylbenzene	339000	NE	182000		<25	751	**1880**	**9300**	**5430**	<25	<25	**6060**	<25	<25	<25.0	<25.0	<25.0
Xylenes, -m, -p	818000	NE	260000	3960	<75	1545	**15080**	**11860**	1924J	<75	<75	5490	<75	<75	<75.0	<75.0	<75.0
Xylenes, -o																	

mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
RCL = Residual Contaminant Level
SSL = Soil Screening Level
DCL = Direct Contact Level
NA = Parameter not analyzed
NE = NR 720 RCL not established
J = Analyte detected above laboratory limit of detection but below limit of quantitation.
Bold indicates analytical results exceed NR 720 RCL

SCHAPER BID

Schaper Bid

EXCAVATION BID - LUTZEN, FENNIMORE, WI

PROJECT: Lutzen Property **Date** **7/24/2019**
LOCATION: 6858 State Hwy 18, Mt. Ida, Wisconsin **PM** **Lynn Bradley**

Excavation Work

	Item	Hours		Rate	Total
1.	Excavation of approximately 600 to 700 tons of petroleum affected soils, transport to a licensed landfill, backfill and compaction of the site. **The upper 12 inches of backfill should consist of compacted 3/4 inch crushed gravel.** (Include the number of trucks anticipated to be used per day).	700	Tons	$69.00	**$ 48,300.00**
2	Cost of Trucks for Licensing at LaCrosse Landfill (See Bid Form). $25 per truck for 3 days.	6	Trucks	$25.00	**$ 150.00**
3	# of Trucks/Approximate Days 5 days total for project				
	Estimated Sub-Total				**$48,450.00**
	Total Estimated Costs				**$48,450.00**

Lynn Bradley
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Engineers • Consultants • Inspectors

July 24, 2019

Mr. Richard Schaper
Schaper Excavating and Petroleum
W4396 County Road E
Pardeeville, WI 53901

RE: Excavation Bid
Kreyer Country Store (Lutzen Property)
6858 State Highway 18
Mt. Ida, Wisconsin
GEC Project Number: 0710-290
WDNR BRRTS #03-22-162084

Dear Schaper,

General Engineering Company is obtaining bids for the excavation, disposal, backfilling, and compaction of approximately 600 to 700 tons (700 tons will be used for this bid document) of petroleum affected soils at the Former Kreyer Store (now Lutzen Property) property, located at 6858 State Hwy 18, in the Town of Mount Ida, Grant County, Wisconsin. The activities are being performed due to a release of gasoline from two former 300-gallon gasoline underground storage tanks (USTs) and one 500-gallon USTs. A figure showing the estimated excavation extent and tables summarizing analytical results from soil samples collected during investigation activities are included as attachments. The excavation activities are planned to be performed up to depths of 14 feet below the ground surface. Groundwater is not anticipated to be encountered within the excavation. There is minimal unaffected overburden soils anticipated during the excavation activities (if any). The excavation is planned to be shallower in the area of the structures as to not compromise the foundation of the home or garage.

- The contaminated soils must be properly excavated and transported to a landfill that is licensed to accept petroleum affected soils. Due to its proximity to this site, the most cost-effective option for disposal appears to be La Crosse County Landfill in La Crosse, Wisconsin. The landfill is approximately 89 miles in each direction, so it expected that the "turn-around" time for each load will approximately 4 hours. **Please note there will be a charge of $25 per truck to enter the landfill (for 3-day permit). Please include this in the estimate.**

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A brief description of the site and relevant investigation activities performed at the site are described below:

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The project site is located at 6858 US Highway 18 in the Town of Mount Ida, Wisconsin. More specifically, the property is located within the Northwest ¼ of the Northwest ¼ of Section 29, Township 06 North, Range 03 West, Grant County, Wisconsin. The site is located within a rural residential area. A site location map is shown in Figure 1, Appendix A.

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General Engineering Company
Attention: Lynn Bradley
PO Box 340
Portage, WI 53901

If you have any questions regarding this, please contact me.

Respectfully submitted,

GENERAL ENGINEERING COMPANY

Lynn Bradley
Environmental Project Manager

Attachment A - Figures
Attachment B - Tables

EXCAVATION BID - AMERITECH, PORTAGE, WI

PROJECT: Lutzen Property **Date** 7/24/2019
LOCATION: 6858 State Hwy 18, Mt. Ida, Wisconsin **PM** Lynn Bradley

Excavation Work

	Item	Hours		Rate	Total
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2	Cost of Trucks for Licensing at LaCrosse Landfill (See Bid Form). $25 per truck for 3 days.		Trucks	$25.00	
3	# of Trucks/Approximate Days				
	Estimated Sub-Total				$0.00
	Total Estimated Costs				$0.00

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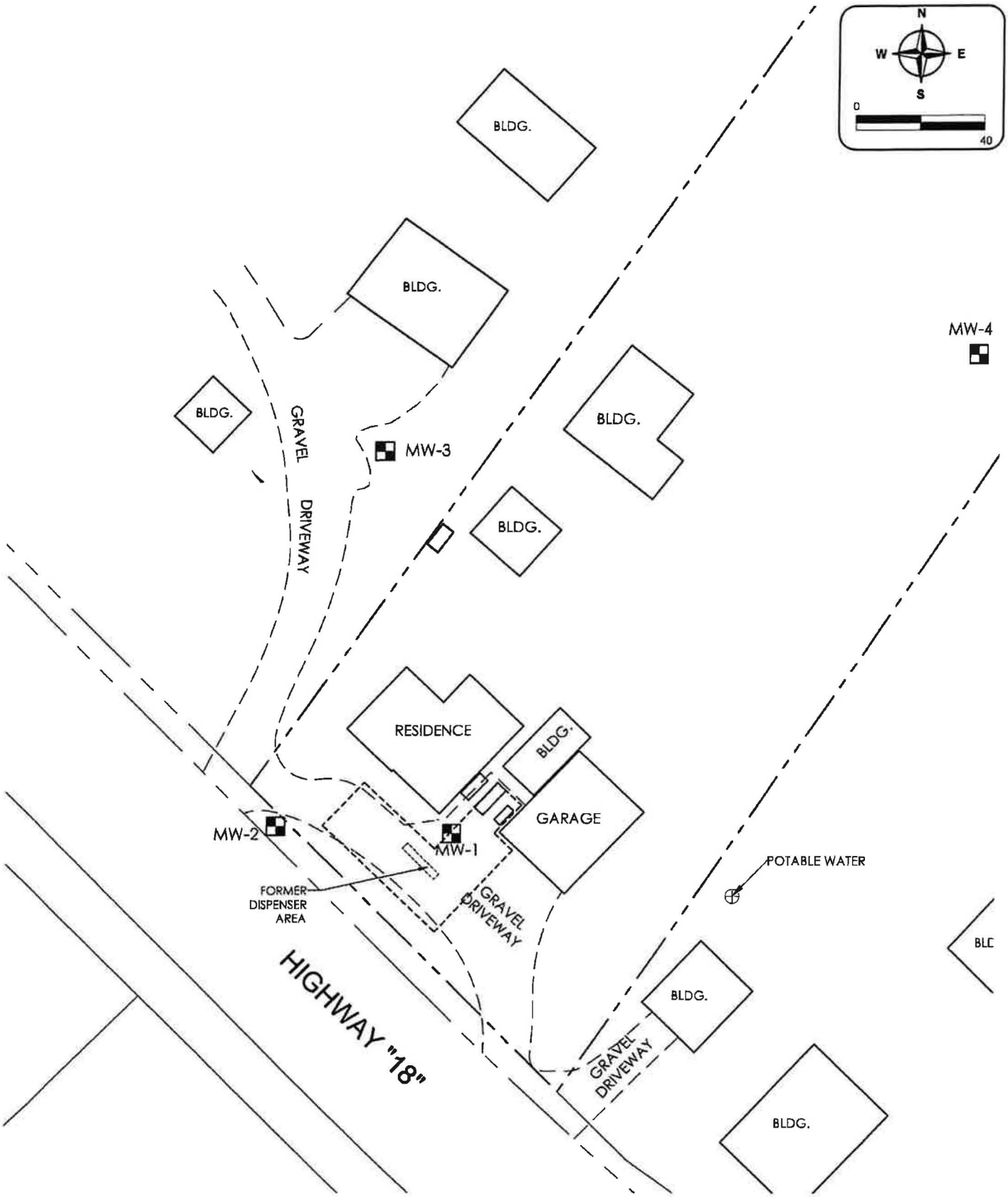

General Engineering Company

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LEGEND
- ESTIMATED PROPERTY LINE
- EXCAVATION LIMITS
- MONITORING WELL LOCATION

ESTIMATED REMEDIAL EXCAVATION LIMITS

LUTZEN PROPERTY
FORMER KREYER COUNTRY STORE
TOWN OF MOUNT IDA
GRANT COUNTY, WI

GEC

DRAWN BY	SRR
REVIEWED BY	LMB
ISSUE DATE	JUNE 2019
GEC FILE NO.	0710-190
SHEET NO.	

FIGURE 6

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TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
LUTZEN PROPERTY

Sample No.	NC RCL (ug/kg)	C RCL (ug/kg)	Not-To-Exceed Direct Contact RCL	Soil to Groundwater RCL	GP-1	GP-2	GP-2	GP-3	GP-3	GP-4	GP-5	GP-5	GP-6	GP-7	MW-2	MW-3	MW-4
Sampling Date					09/22/10	09/22/10	09/22/10	09/22/10	09/22/10	09/22/10	09/22/10	09/22/10	09/22/10	09/22/10	09/08/11	09/08/11	09/08/11
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GASOLINE RANGE ORGANICS (GRO), DIESEL RANGE ORGANICS (DRO) (mg/kg)																	
GRO	NE	NE	NE	NE	<3.8	26.6	121	748	500	<4.1	<3.1	568	<4.2	<4.0	<3.4	<3.1	<3.2
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Xylenes, -o																	

mg/kg = milligrams per kilogram
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RCL = Residual Contaminant Level
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