

Lance, Dee - DNR

From: Jayne Englebert <jenglebert@msa-ps.com>
Sent: Friday, July 13, 2018 2:47 PM
To: Lance, Dee - DNR
Cc: Dick Lyster
Subject: Change Order Request for Monroe Center Store, Adams County
Attachments: 11538000 Change Order to DNR July 13 2018.pdf

Hi Dee,

Attached is the change order request for the scope of work we discussed, two rounds of groundwater sampling, followed by a closure request, followed by system and well abandonment.

A paper copy will be sent in today's mail.

Please contact me with any questions!

Thanks,
Jayne



Jayne Englebert, PG, CPG | Senior Project Hydrogeologist

MSA Professional Services, Inc.

+1 (608) 355-8860



July 13, 2018

Dee Lance
Department of Natural Resources
473 Griffith Avenue
Wisconsin Rapids, WI 54494

Re: Change Order Request – Scope of Work to Site Closure
Monroe Center Store, 999 CTH Z, Arkdale, WI
BRRTS# 03-01-175845, PECFA # 54613-9736-99-A

Dear Dee:

As per our discussions, MSA Professional Services, Inc. (MSA) is submitting this change order request for the following scope of work at this site:

1. Collection of two rounds of groundwater sampling from wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, OMW-6, the water supply well at 1906 Blackhawk, and the water supply well at 999 CTH Z, assuming the estate representative is able to have the pump repaired or removed in order to obtain access for sampling. The wells will be sampled for PVOCs plus naphthalene, including one trip blank for each sample round. As per our discussion, one sample round will be collected this Fall, approximately in September, and the second sample round will be collected in the Spring in approximately March.
2. These results will be added to the groundwater data table for the site, and emailed to you for your review. The cost for this task will be billed as a regulatory correspondence, and is therefore not included in the attached U&C Spreadsheet.
3. Upon your approval after a review of the results from the second round of groundwater samples, MSA will proceed with preparation of a site closure request. Costs for the closure request preparation, and a GIS Registry packet for the source property and the parcel at 1906 Blackhawk Road are included in this change order request. Notifications to Juneau County and the Town of Monroe of the potential for soil or groundwater contamination in the right of way of adjacent roads will be billed as regulatory correspondence, and are not included here.
4. I have also included the U&C pricing for abandonment of the site monitoring and remediation wells and remediation system. I received a quote from SGS Environmental Contracting for this work, but it was higher than the U&C rate. I've included only the U&C rate here, assuming that we can find a contractor willing to perform the abandonments and permanent system shutdown and removal for those rates (or less).
5. I have also included one U&C change order cost for MSA's time to get the quote from SGS and prepare this document.

1230 South Boulevard
Baraboo, WI 53913

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Monroe Center Store Change Order Request
July 11, 2018

The total cost of this change order request is \$12,816.07 as shown on the attached U&C Spreadsheet. This does not include the previously mentioned regulatory correspondences, PECFA claim charges, invoice charges, and other non-cap items.

Through the last claim, the total amount applied to the PECFA cap to date for this site is \$177,877.05. This leaves approximately \$12,122.95 in PECFA eligibility for the remaining work to closure.

Please contact me with any questions or if you need additional information.

Sincerely,

MSA Professional Services, Inc.

A handwritten signature in black ink that reads "Jayne A. Englebert". The signature is written in a cursive style with a large initial 'J'.

Jayne A. Englebert, P.G.
Senior Hydrogeologist

Att.

Cc: Patricia Hennessy
Richard Lyster, MSA

Usual and Customary Standardized Invoice #24

July 2018- December 2018



RR-100a

PECFA #: 54613-9736-99-A
 BRRTS #: 03-01-175845
 Site Name: Monroe Center Store
 Site Address: 999 CTH Z, Monroe, WI

Vendor Name: MSA Professional Services, Inc.
 Invoice #: Change Order Request
 Invoice Date: Jul-18
 Check #: _____

U&C Total \$ 12,816.07
 Variance to U&C Total \$ -
 Grand Total \$ 12,816.07

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
1	GW Sampling		GS05	Sample Collection	Well	\$ 72.45	18	\$ 1,304.10
1	GW Sampling		GS06	Sample Collection in well w/LNAPL	Well	\$ 87.45		\$ -
1	GW Sampling		GS10	Incremental Sample Collection (natural attenuation)	Well	\$ 47.67		\$ -
1	GW Sampling		GS15	Incremental Sample Collection (cadmium & lead)	Well	\$ 26.25		\$ -
1	GW Sampling		GS20	Measure Water Levels (for wells not being sampled)	Well	\$ 14.70		\$ -
1	GW Sampling		GS25	Primary Mob/Demob	Site	\$ 628.11	2	\$ 1,256.22
1	GW Sampling		GS30	Temporary Well Abandonment	Well	\$ 26.99		\$ -
2	O & M Reporting		OMR05	Semi-Annual GW Monitoring (Form 4400-194)	Report	\$ 823.73		\$ -
2	O & M Reporting		OMR10	Semi-Annual GW Monitoring (Form 4400-194) with LNAPL Removal per RR-628	Report	\$ 1,040.45		\$ -
3	LNAPL Assessment & Removal		LAR06	LNAPL Sample Collection (1 per site, unless otherwise direct	Site	\$ 68.25		\$ -
3	LNAPL Assessment & Removal		LAR10	Primary Mob/Demob	Site	\$ 518.07		\$ -
4	Waste Disposal	Consultant	WD05	Consultant Coordination	Site	\$ 137.13		\$ -
4	Waste Disposal	Commodity	WD10	GW Sample and/or Purge	Drum	\$ 42.11		\$ -
4	Waste Disposal	Commodity	WD15	Drill Cuttings	Drum	\$ 108.15		\$ -
4	Waste Disposal	Commodity	WD17	Landfill Environmental Fee (provide documentation)	ACTUAL COST			
4	Waste Disposal	Commodity	WD20	Free Product	Drum	\$ 118.76		\$ -
4	Waste Disposal	Commodity	WD25	Primary Mob/Demob	Site	\$ 287.70		\$ -
5	Closure Request		CR05	Primary Closure Request	Submittal	\$ 2,700.00	1	\$ 2,700.00
5	Closure Request		CR15	Continuing Obligation Packet Submittal (For Source Property	Packet	\$ 507.36	1	\$ 507.36
5	Closure Request		CR20	Continuing Obligation Packet Submittal (For off-site Propertie	Per Additional Property	\$ 222.71	1	\$ 222.71
5	Closure Request		CR25	Closure Request Concurrent with SIR	Submittal	\$ 1,250.00		\$ -
6	Letter Report/Addendum		LRA05	Letter Report/Addendum	Letter	\$ 1,039.29		\$ -

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
7	Regulatory Correspondence		RC05	Regulatory Correspondence	Letter/Status Update	\$ 128.94		\$ -
8	Well Abandonment	Consultant	WAB05	Coordination	Site	\$ 162.86	1	\$ 162.86
8	Well Abandonment	Consultant	WAB10	Water column < 30 ft	Ft	\$ 2.52		\$ -
8	Well Abandonment	Consultant	WAB15	Water column > 30 ft (requires pumping [s. NR 141.25 (2) (d)])	Ft	\$ 8.82		\$ -
8	Well Abandonment	Consultant	WAB20	Bentonite Pellets (50lb bag - 1/4" pellet)	Bag	\$ 10.82		\$ -
8	Well Abandonment	Consultant	WAB25	Portland Cement (94lb bag)	Bag	\$ 8.19		\$ -
8	Well Abandonment	Consultant	WAB30	Primary Mob/Demob	Site	\$ 362.25		\$ -
8	Well Abandonment	Consultant	WAB31	Primary Mob/Demob w/ vapor point abandonment	Site	\$ 512.25		\$ -
8	Well Abandonment	Consultant	WAB32	Vapor Point Abandonment	Point	\$ 79.20		\$ -
8	Well Abandonment	Commodity	WAB35	Well Abandonment Mob/Demob	Site	\$ 412.55	1	\$ 412.55
8	Well Abandonment	Commodity	WAB40	Well Abandonment (2 inch)	Ft	\$ 5.57	428	\$ 2,383.96
8	Well Abandonment	Commodity	WAB45	Well Abandonment (4 inch)	Ft	\$ 6.51	201	\$ 1,308.51
8	Well Abandonment	Commodity	WAB50	Well Abandonment (6 inch)	Ft	\$ 7.98		\$ -
9	Investigation Workplan Preparation		IWP05	Investigation Workplan Preparation	Report	\$ 1,451.63		\$ -
10	Initial Site Survey	Consultant	IS05	Coordination of Initial Site Survey (features + well elevations)	Survey	\$ 117.18		\$ -
10	Initial Site Survey	Consultant	IS10	Subsequent Surveys	Well	\$ 110.15		\$ -
10	Initial Site Survey	Commodity	IS15	Initial Survey	Survey	\$ 1,171.70		\$ -
11	Potable Well Field Reconnaissance		PWFR05	Potable Well Field Reconnaissance	Site	\$ 583.50		\$ -
12	Direct Push	Consultant	DP05	0 - 24 ft bgs W/ Continuous Soil Sampling	Ft	\$ 5.36		\$ -
12	Direct Push	Consultant	DP10	> 24 ft bgs W/ Continuous Soil Sampling	Ft	\$ 5.99		\$ -
12	Direct Push	Consultant	DP15	GW Profiling (No Soil Sampling)	Ft	\$ 2.31		\$ -
12	Direct Push	Consultant	DP20	GW Sample Collection	Each	\$ 36.10		\$ -
12	Direct Push	Consultant	DP25	Temporary Well Installation	Each	\$ 49.90		\$ -
12	Direct Push	Consultant	DP30	Primary Mob/Demob	Site	\$ 512.10		\$ -
12	Direct Push	Commodity	DP35	0 - 24 ft bgs W/ Continuous Soil Sampling	Ft	\$ 6.93		\$ -
12	Direct Push	Commodity	DP40	> 24 ft bgs W/ Continuous Soil Sampling	Ft	\$ 9.03		\$ -
12	Direct Push	Commodity	DP45	GW Profiling (no soil sampling)	Ft	\$ 6.51		\$ -
12	Direct Push	Commodity	DP50	GW Sample Collection (cost for tubing)	Ft	\$ 0.42		\$ -
12	Direct Push	Commodity	DP55	Expendable Drive Point	Each	\$ 14.49		\$ -
12	Direct Push	Commodity	DP60	Borehole Abandonment	Ft	\$ 1.26		\$ -
12	Direct Push	Commodity	DP65	Concrete Penetration	Each	\$ 20.10		\$ -

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
12	Direct Push	Commodity	DP70	GW Sample Collection	Each	\$ 39.27		\$ -
12	Direct Push	Commodity	DP75	Temporary Well Installation	Ft	\$ 5.25		\$ -
12	Direct Push	Commodity	DP80	Mob/Demob (Includes decon)	Site	\$ 526.05		\$ -
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR05	0 - 25 ft bgs	Ft	\$ 5.40		\$ -
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR10	26 - 50 ft bgs	Ft	\$ 5.67		\$ -
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR15	51 - 75 ft bgs	Ft	\$ 7.30		\$ -
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR20	Primary Mob/Demob	Site	\$ 593.04		\$ -
13.b	Drilling In Unconsolidated Soils - Without Soil And/Or GW Sampling	Consultant	DR25	Consultant Oversight	Ft	\$ 1.58		\$ -
13.b	Drilling In Unconsolidated Soils - Without Soil And/Or GW Sampling	Consultant	DR30	Primary Mob/Demob	Site	\$ 505.16		\$ -
13.c	Drilling In Bedrock	Consultant	DR35	Consultant Oversight	Ft	\$ 6.20		\$ -
13.c	Drilling In Bedrock	Consultant	DR40	Primary Mob/Demob	Site	\$ 593.04		\$ -
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR45	0 - 25 ft bgs	Ft	\$ 16.70		\$ -
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR50	26 - 50 ft bgs	Ft	\$ 18.38		\$ -
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR55	51 - 75 ft bgs	Ft	\$ 21.53		\$ -
13.e	Drilling In Unconsolidated Soils - Without Soil And/Or GW Sampling	Commodity	DR60	Drilling in Unconsolidated Soils	Ft	\$ 11.97		\$ -
13.f	Drilling In Bedrock	Commodity	DR65	Drilling in Bedrock	Ft	\$ 33.18		\$ -
13.f	Drilling In Bedrock	Commodity	DR70	Bedrock Drilling Setup Charge	Each	\$ 162.02		\$ -
13.f	Drilling In Bedrock	Commodity	DR75	Air Compressor	Day	\$ 426.41		\$ -
14	Monitoring Well Installation	Consultant	MWI05	0 - 25 ft bgs	Ft	\$ 3.89		\$ -
14	Monitoring Well Installation	Consultant	MWI10	26 - 75 ft bgs	Ft	\$ 2.73		\$ -
14	Monitoring Well Installation	Commodity	MWI15	2 inch PVC Casing	Ft	\$ 16.70		\$ -
14	Monitoring Well Installation	Commodity	MWI20	Well Development	Well	\$ 147.63		\$ -
14	Monitoring Well Installation	Commodity	MWI25	Mob/Demob (For development of grout or slurry sealed wells	Site	\$ 548.63		\$ -
15	Misc. Drilling Activities & Supplies		MDT05	Drill Rig Mob/Demob	Mob/Demob	\$ 963.38		\$ -
15	Misc. Drilling Activities & Supplies		MDT10	Well Cover/flushmount	Each	\$ 202.65		\$ -
15	Misc. Drilling Activities & Supplies		MDT15	Stickup Well Cover	Each	\$ 163.91		\$ -

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
15	Misc. Drilling Activities & Supplies		MDT20	Bumper Guard Posts	Each	\$ 69.30		\$ -
15	Misc. Drilling Activities & Supplies		MDT21	Drum, 55 gal. DOT steel	Each	\$ 55.13		\$ -
15	Misc. Drilling Activities & Supplies		MDT25	Commodity Service Provider Per Diem (drilling and direct push)	Person	\$ 203.28		\$ -
15	Misc. Drilling Activities & Supplies		MDT30	Well Repair	Well	\$ 84.42		\$ -
15	Misc. Drilling Activities & Supplies		MDT35	Borehole Abandonment	Foot	\$ 5.46		\$ -
15	Misc. Drilling Activities & Supplies		MDT40	Concrete Penetration	Each	\$ 72.87		\$ -
15	Misc. Drilling Activities & Supplies		MDT41	Private Utility Locate	ACTUAL COST			\$ -
15	Misc. Drilling Activities & Supplies		MDT45	Padlocks	Each	\$ 7.98		\$ -
16	Hand Auger Boring		HA05	Hand Augering	Boring	\$ 89.99		\$ -
16	Hand Auger Boring		HA10	Primary Mob/Demob	Site	\$ 555.56		\$ -
17	Surface Soil/Sediment/Water Sampling		SSWS05	Sampling	Sample Location	\$ 21.53		\$ -
17	Surface Soil/Sediment/Water Sampling		SSWS10	Primary Mob/Demob	Site	\$ 452.45		\$ -
19	Hydraulic Conductivity Testing		HCT05	Hydraulic Conductivity Testing	Well	\$ 58.59		\$ -
19	Hydraulic Conductivity Testing		HCT10	Primary Mob/Demob	Site	\$ 652.79		\$ -
20	Soil Boring/Monitoring Well Permits		SBMWP05	Soil Boring/Monitoring Well Permit	Permit	\$ 246.12		\$ -
20	Soil Boring/Monitoring Well Permits		SBMWP10	Permit Fee (copy of permit & fee receipt required)	Permit Fee			\$ -
21	Access Agreements		AA05	Access Agreements	Property	\$ 401.94		\$ -
22	Soil Investigation Report		SIR05	Soil Investigation Report	Report	\$ 3,330.92		\$ -
23	Soil And GW Investigation Report		SGIR05	Soil and GW Investigation Report	Report	\$ 4,965.35		\$ -
24	Limited Soil Excavation	Consultant	LSE05	Consultant Oversight for Limited Soil Excavation	Ton	\$ 4.94		\$ -
24	Limited Soil Excavation	Consultant	LSE10	Primary Mob/Demob	Site	\$ 831.92		\$ -
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	\$ 60.00		\$ -
24	Limited Soil Excavation	Commodity	LSE16	Landfill Environmental Fee (provide documentation)	ACTUAL COST			\$ -
25	Remediation System Shut Down		SSD05	Permanent	Site	\$ 1,095.47	1	\$ 1,095.47
25	Remediation System Shut Down		SSD10	Temporary	Site	\$ 329.28		\$ -
25	Remediation System Shut Down		SSD15	Primary Mob/Demob	Site	\$ 473.55	1	\$ 473.55
27	Claim Submittal		CS05	Claim Submittal	Claim	\$ 585.90		\$ -
28	Standardized Invoice		BS05	Standardized Invoice	Invoice	\$ 17.64		\$ -
30	Meeting With Regulators		MR05	Meeting with Regulators	Meeting	\$ 349.23		\$ -
31	Consultant Overnight Per Diem		COPD05	Overnight	Night	\$ 113.72		\$ -

Usual and Customary Standardized Invoice #24

July 2018- December 2018



RR-100A

TOTAL LAB CHARGES ##### TASK 33 20 ##### TASK 24 0 \$ -

MATRIX	REF CODE	REIMBURSABLE ANALYTE	UNITS	MAX COST	SAMPLES	TOTAL	MAX COST	SAMPLES	TOTAL
AIR	A1	Benzene	SAMPLE	\$ 44.94		\$ -			
AIR	A2	BETX	SAMPLE	\$ 49.46		\$ -			
AIR	A3	GRO	SAMPLE	\$ 46.10		\$ -			
AIR	A4	VOC's	SAMPLE	\$ 71.93		\$ -			
WATER	W1	GRO/PVOC	SAMPLE	\$ 29.19		\$ -			
WATER	W2	PVOC	SAMPLE	\$ 26.99		\$ -			
WATER	W3	PVOC + 1,2 DCA	SAMPLE	\$ 43.79		\$ -			
WATER	W4	PVOC + Naphthalene	SAMPLE	\$ 30.35	20	\$ 607.00			
WATER	W5	VOC	SAMPLE	\$ 71.93		\$ -			
WATER	W6	PAH	SAMPLE	\$ 72.98		\$ -			
WATER	W7	Lead	SAMPLE	\$ 12.39		\$ -			
WATER	W8	Cadmium	SAMPLE	\$ 13.55		\$ -			
WATER	W9	Hardness	SAMPLE	\$ 12.39		\$ -			
WATER	W10	BOD, Total	SAMPLE	\$ 23.63		\$ -			
WATER	W11	Nitrate	SAMPLE	\$ 11.24		\$ -			
WATER	W12	Total Kjeldahl	SAMPLE	\$ 20.27		\$ -			
WATER	W13	Ammonia	SAMPLE	\$ 16.91		\$ -			
WATER	W14	Sulfate	SAMPLE	\$ 10.19		\$ -			
WATER	W15	Iron	SAMPLE	\$ 10.19		\$ -			
WATER	W16	Manganese	SAMPLE	\$ 10.19		\$ -			
WATER	W17	Alkalinity	SAMPLE	\$ 10.19		\$ -			
WATER	W18	methane	SAMPLE	\$ 46.10		\$ -			
WATER	W19	Phosphorous	SAMPLE	\$ 18.06		\$ -			
WATER	W20	VOC Method 524.2	SAMPLE	\$ 176.30		\$ -			
WATER	W21	EDB Method 504	SAMPLE	\$ 95.45		\$ -	MAX COST	SAMPLES	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		\$ -
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		\$ -

MATRIX	REF CODE	REIMBURSABLE ANALYTE	UNITS	MAX COST	SAMPLES	TOTAL	MAX COST	SAMPLES	TOTAL
SOILS	S11	Cadmium	SAMPLE	\$ 14.60		\$ -	TASK 24 TOTAL \$ -		
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		\$ -			
SOILS	S25	Field Capacity	SAMPLE	\$ 28.14		\$ -			
SOILS	S26	TCLP Lead	SAMPLE	\$ 83.16		\$ -			
SOILS	S27	Cation Exchange (Ca, MG, & K)	SAMPLE	\$ 26.99		\$ -			
SOILS	S28	TCLP Cadmium	SAMPLE	\$ 83.16		\$ -			
SOILS	S29	TCLP Benzene	SAMPLE	\$ 83.16		\$ -			
		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 \$ 607.00			



June 26, 2018

Jay Schlueter
SGS Environmental Contracting, LLC
N2570 Daytona Drive
Merrill, WI 54452

Re: Request for Bid – Well and System Abandonment
Monroe Center Store, 999 CTH Z, Arkdale, WI

Hi Jay:

This is a request for a bid for abandonment of all of the monitoring wells, remediation system wells, and the remediation system itself, for the Monroe Center Store site in the Town of Monroe, Adams County.

Please provide pricing for the items below and return this form letter to me by July 11th, 2018. At this point, it is estimated the work included in this request for bid will be performed in Fall 2019, but the DNR is requesting estimated costs to closure for the site at this time.

1. There are 9 two-inch water table or piezometer wells, for a total estimated footage of 244 feet. Abandon with bentonite chips as per NR 141, remove flush mount or stick up well protector, concrete collar in non-paved areas, and well pipe to 30 inches below grade. Backfill with gravel in paved areas, and topsoil in grass areas.

244 feet at _____/foot, total = _____

2. There are 10 four-inch diameter SVE wells, for a total estimated footage of 201 feet. Abandon with bentonite chips, etc. as in #1 above.

201 feet at _____/foot, total = _____

3. There are 6 two-inch diameter air sparging wells, for a total estimated footage of 184 feet. Abandon with bentonite chips, etc. as in #1 above.

184 feet at _____/foot, total = _____

4. The electric service to the trailer has been disconnected, and the meter removed. However, the electric line to the remediation trailer remains, and will need to be disconnected. The trailer will need to be removed from the site and properly disposed of. (This trailer has been used at four PECFA remediation sites. Due to the age of the

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www.msa-ps.com

Jay Schlueter
SGS Environmental Contracting, LLC
June 26, 2018

equipment and the trailer, there is little to no resale value to the equipment or trailer, so MSA recommends that it be scrapped out.)

Disconnect and remove remediation trailer from site. Cut off all system piping to below grade and restore surface to grade. Remove box protecting exterior piping, control valves, etc. from site.

Lump sum, totaling \$ _____

5. Record keeping at each well, including measuring depth to groundwater, depth of well, amount of bentonite used for abandonment, completion of DNR well abandonment forms.

Lump sum, totaling \$ _____

6. Mobilization/demobilization of equipment and supplies to site, offsite disposal of flush mount well covers, stickups, well materials, any concrete generated during well abandonment, etc.

Lump sum, totaling \$ _____

Total cost for items 1 through 6 above \$ _____

Jay, I have attached maps showing the layout of the wells at the site. Please let me know if there is any other information that you will need to complete this bid estimate.

Sincerely,

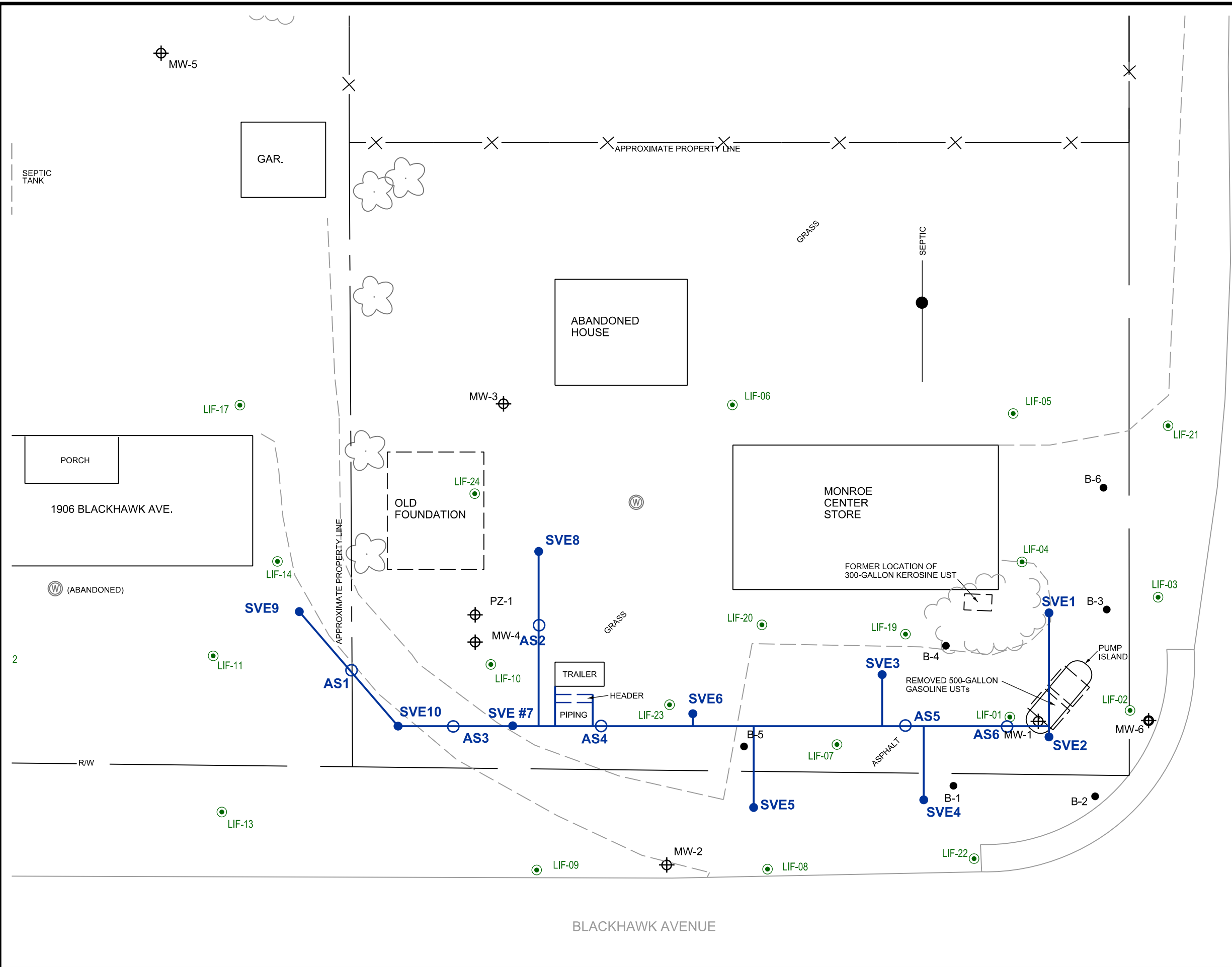
MSA Professional Services, Inc.



Jayne Englebert, P.G.
Senior Hydrogeologist

Monitoring Well and Remediation Well Depths and Diameters
 Monroe Center Store, 999 CTH Z, Arkdale, WI

Location	Depth	Diameter (inches)	Flush/Stickup	Other Comments
MW-1	22	2	F	
MW-2	23.5	2	F	
MW-3	27	2	S	
MW-4	26.5	2	F	
MW-4P	47	2	F	
MW-5	29.5	2	S	
MW-6	24.5	2	S	
OMW-5	22	2	F	
OMW-6	22	2	F	
Total	244			
SVE-1	18	4	F	
SVE-2	18	4	F	
SVE-3	18	4	F	
SVE-4	18	4	F	
SVE-5	20	4	F	
SVE-6	20	4	F	
SVE-7	22	4	F	
SVE-8	22	4	F	
SVE-9	23	4	F	
SVE-10	22	4	F	
Total	201			
AS-1	32	2	F	
AS-2	32	2	F	
AS-3	32	2	F	
AS-4	32	2	F	
AS-5	28	2	F	
AS-6	28	2	F	
Total	184			



- LEGEND**
- ⊕ MONITORING WELLS (OLSON PROPERTY)
 - ⊕ MONITORING WELLS (MONROE CENTER STORE)
 - ⊙ SOIL BORING (OLSON PROPERTY)
 - SOIL BORING (MONROE CENTER STORE)
 - Ⓜ WATER SUPPLY WELL
 - ⊙ LASER INDUCED FLUORESCENCE BORING
 - SVE WELL LOCATION
 - AS WELL LOCATION

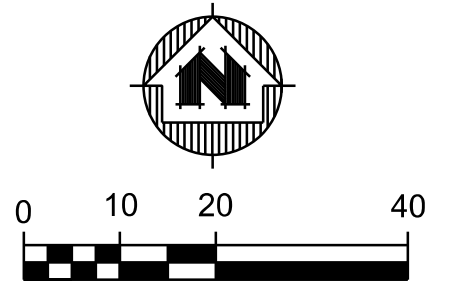
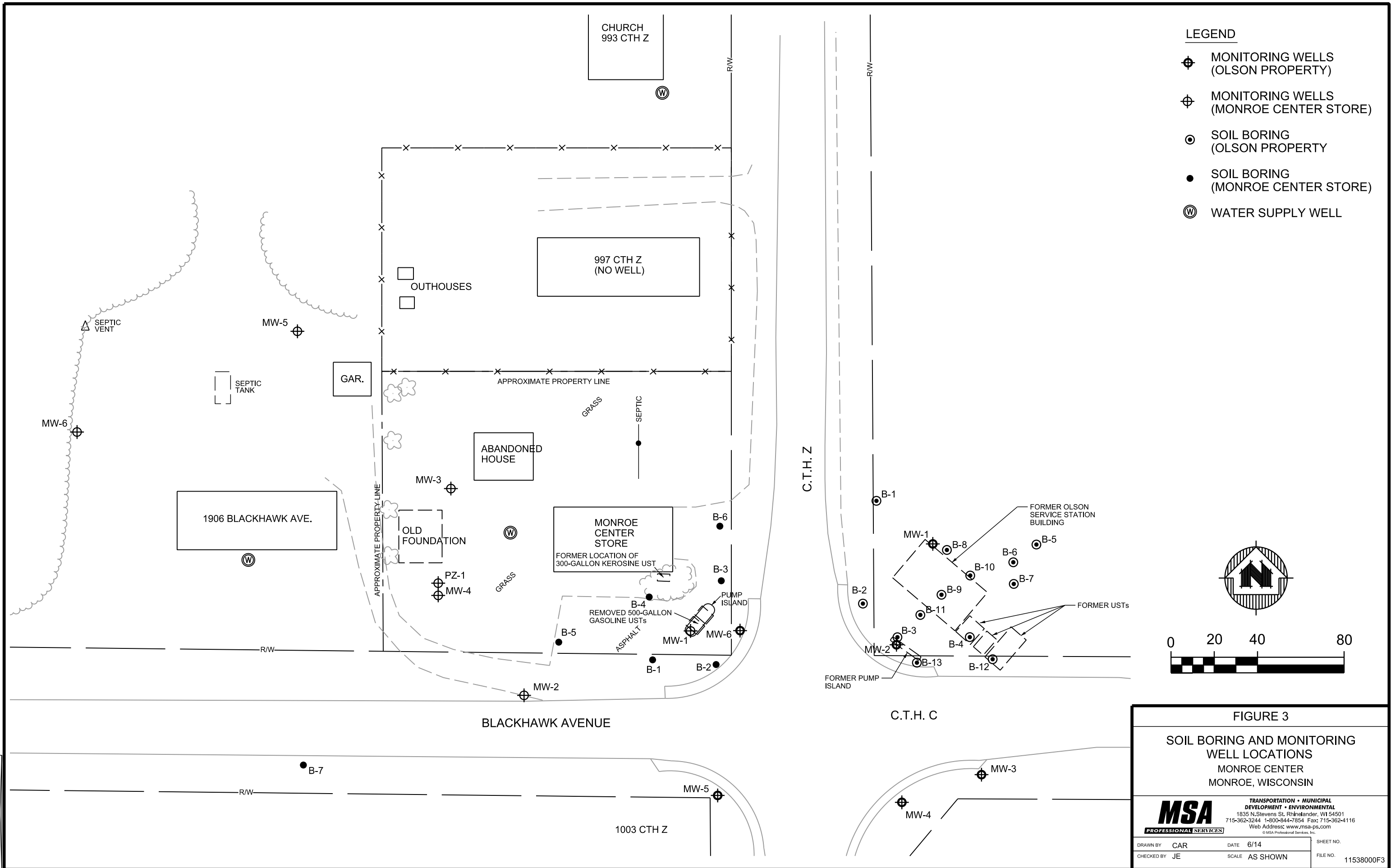


FIGURE 3

SVE and AS Well Layout
MONROE CENTER STORE
TOWN OF MONROE, WISCONSIN

MSA
TRANSPORTATION • MUNICIPAL DEVELOPMENT • ENVIRONMENTAL
1230 South Boulevard, WI 53913
608-356-2771 1-800-362-4505 Fax: 608-356-2770
Web Address: www.msa-ps.com
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LEGEND

- ⊕ MONITORING WELLS (OLSON PROPERTY)
- ⊕ MONITORING WELLS (MONROE CENTER STORE)
- ⊙ SOIL BORING (OLSON PROPERTY)
- SOIL BORING (MONROE CENTER STORE)
- ⊙ WATER SUPPLY WELL

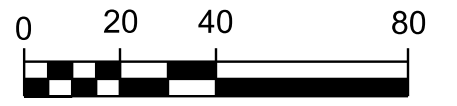
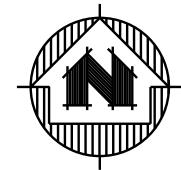


FIGURE 3

SOIL BORING AND MONITORING WELL LOCATIONS
MONROE CENTER
MONROE, WISCONSIN

MSA
PROFESSIONAL SERVICES

TRANSPORTATION • MUNICIPAL DEVELOPMENT • ENVIRONMENTAL
 1835 N. Stevens St., Rhineland, WI 54501
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June 26, 2018

Jay Schlueter
SGS Environmental Contracting, LLC
N2570 Daytona Drive
Merrill, WI 54452

Re: Request for Bid – Well and System Abandonment
Monroe Center Store, 999 CTH Z, Arkdale, WI

Hi Jay:

This is a request for a bid for abandonment of all of the monitoring wells, remediation system wells, and the remediation system itself, for the Monroe Center Store site in the Town of Monroe, Adams County.

Please provide pricing for the items below and return this form letter to me by July 11th, 2018. At this point, it is estimated the work included in this request for bid will be performed in Fall 2019, but the DNR is requesting estimated costs to closure for the site at this time.

1. There are 9 two-inch water table or piezometer wells, for a total estimated footage of 244 feet. Abandon with bentonite chips as per NR 141, remove flush mount or stick up well protector, concrete collar in non-paved areas, and well pipe to 30 inches below grade. Backfill with gravel in paved areas, and topsoil in grass areas.

244 feet at 6.00 /foot, total = 1,464.00

2. There are 10 four-inch diameter SVE wells, for a total estimated footage of 201 feet. Abandon with bentonite chips, etc. as in #1 above.

201 feet at 7.00 /foot, total = 1,407.00

3. There are 6 two-inch diameter air sparging wells, for a total estimated footage of 184 feet. Abandon with bentonite chips, etc. as in #1 above.

184 feet at 6.00 /foot, total = 1,104.00

4. The electric service to the trailer has been disconnected, and the meter removed. However, the electric line to the remediation trailer remains, and will need to be disconnected. The trailer will need to be removed from the site and properly disposed of. (This trailer has been used at four PECFA remediation sites. Due to the age of the

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Page 2

Jay Schlueter
SGS Environmental Contracting, LLC
June 26, 2018

equipment and the trailer, there is little to no resale value to the equipment or trailer, so MSA recommends that it be scrapped out.)

Disconnect and remove remediation trailer from site. Cut off all system piping to below grade and restore surface to grade. Remove box protecting exterior piping, control valves, etc. from site.

Lump sum, totaling \$ 1,500.00

5. Record keeping at each well, including measuring depth to groundwater, depth of well, amount of bentonite used for abandonment, completion of DNR well abandonment forms.

Lump sum, totaling \$ 350.00

6. Mobilization/demobilization of equipment and supplies to site, offsite disposal of flush mount well covers, stickups, well materials, any concrete generated during well abandonment, etc.

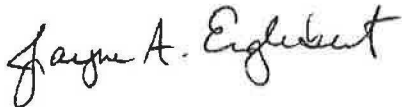
Lump sum, totaling \$ 1,350.00

Total cost for items 1 through 6 above \$ 7,175.00

Jay, I have attached maps showing the layout of the wells at the site. Please let me know if there is any other information that you will need to complete this bid estimate.

Sincerely,

MSA Professional Services, Inc.



Jayne Englebert, P.G.
Senior Hydrogeologist