

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster Street, RR/5
P.O. Box 7921
Madison, WI 53703

Tony Evers, Governor
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Telephone 608-266-2621
Toll Free 1-888-936-7463
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January 31, 2019

Ray Sandstrom, Jr.
31125 Gable Avenue
Stacy, MN 55079

RE: **Public Bidding Deferred – Cost Cap Approved**

DNR BRRTS # 03-16-286908 PECFA # 54830-9999-71-A
Sandy's Service - Former, 16571 S STH 35, Dairyland

On January 16, 2019, the Wisconsin Department of Natural Resources (Department) received a scope of work (SOW) and cost estimate utilizing the chapter NR 747, Wisconsin Administrative Code, Usual and Customary Cost Schedule (Cost Schedule) for the site referenced above.

The Department has determined that the submitted SOW is reasonable and **approves** the additional costs. This site will be deferred from the public bidding process at this time.

Costs are approved for the remedial activities of soil excavation of contaminated soil and groundwater monitoring and includes petroleum vapor intrusion assessment activities. Estimate is for excavation of 1,330 tons of petroleum contaminated soil from the former Underground Storage Tank (UST) petroleum fuel delivery system area of concern and includes hauling, disposal at a landfill, backfill, and compaction. Proposed excavation area A is to ~8' depth to address soil above NR 720 soil to groundwater pathway RCLs, and proposed excavation area B is to ~4' depth to address soil above NR 720 direct contact RCLs (see figure). Staff Professional labor rates apply and are approved at \$94.13/hr for 44 hours of fieldwork. The proposed locations for soil borings and monitoring well locations are approved per the diagram submitted. Costs for confirmation soil sampling from the remedial excavation (up to 18) are approved; direct push technology sampling of soil and groundwater for confirmation purposes is approved. Monitoring well MW-1 (in excavation footprint) will be abandoned and replaced to 13-feet below ground surface (bgs) and costs are approved for these activities of well abandonment, boring, construction, and development of the replacement well. Costs for the installation of a new monitoring well downgradient of MW-3 to ~13 ft bgs depth are approved to define the degree and extent of the contaminant plume downgradient. Lead (Pb) is an addition as an analyte - in both soil and groundwater - to be assessed and those analytical costs are approved. Costs are approved for three post-excavation groundwater monitoring events from eight (8) monitoring wells and the on-site potable well for PVOC+Naphthalene+Lead. Total lab costs approved are \$2,655.42. Costs are also approved for surveying work. Costs are approved for vapor intrusion assessment activities. The Change Order Request is approved at the Usual & Customary Cost Schedule rate, and not per the variance 4 request. A copy of the Department itemized worksheet for the Cost Schedule and Variance tasks is enclosed for your reference.

Deferment Cost Cap Approved:

\$112,760.44

Be reminded that ch. NR 700 semi-annual progress reporting is required until this case is closed.

Note: A claim for PECFA reimbursement must be submitted within 180 days of incurring costs (i.e., completing a task). If a claim for costs incurred is not submitted within this deadline, the costs will not be eligible for PECFA reimbursement. If you need assistance with filing your claim, please contact Tim Prosa at (608) 261-7715.

Usual and customary costs for activities included in this approval will only be reimbursed at a rate equal to or less than what is allowed on the Cost Schedule and reimbursed based upon the Cost Schedule that is in effect at the time the activity is performed. Costs for activities not included in this approval are not reimbursable without prior Department authorization.

Regulatory Correspondence (Task 7, Activity RC05), Claim Submittal (Task 27, Activity CS05) and Standardized Invoice (Task 28, Activity SI05) costs are not included in the cap approved above. These activities will be reimbursed according to the task specifications and with submittal of proper supporting documentation at claim review time.

The Department approves the variance requests as two variances submitted from the Cost Schedule. Variance 1 is approved in the amount of \$88,797.00 for excavation and removal of ~ 1,330 tons of petroleum-contaminated soils, mob/demob, fill/backfill and compaction, and rock as quoted by DKS, Inc. (Commodity provider) on 1/9/2019. Variance 2 for Excavation/Disposal Project (Consulting Variances – Page 3 request) costs are therefore approved based on \$94.13/hour for an estimated 44 hours at the Staff Professional labor rate. Project preparation and waste disposal documentation costs are approved at the \$94.13/hr Staff Professional Rate for eight hours. Project Management is approved for 6 hours at the Staff Professional \$94.13/hr wage rate. Variance 2 is for a combined approval of the two consulting variances requests (Page 3 of costs request) and includes the sub-total for consultant project management costs for Sub-Slab Vapor Sampling of 4 hours @\$94.13/hour = \$376.52. Sub-Slab Vapor Sampling activities are with the former service station building for TO-15 (PVOC + Naphthalene analyses) and the total amount for Consulting Variances (Page 3 of request) approved for Variance 2 is \$5,836.06. The other Variance request (Variance 3) for a Change Order Request (Qty – 1) is not approved as a variance, but instead per the Usual & Customary Cost Schedule for one Change Order Request. Do not include these total approved amount of variance costs of \$94,633.06 on the standardized invoice for usual and customary cost activities. Please include these approved variance costs for claim purposes on a separate company invoice. When you submit the claim for these costs, please attach a copy of this letter and the attached worksheet for the claim reviewer's reference. The Department waives the commodity three-bid requirement with this variance approval.

The Department considers the consultant the primary controller of costs during these activities. This approval does not guarantee eligibility of any specific costs that have been incurred or that may be incurred in the future. Final determination regarding the eligibility of costs will be made by the claim reviewer when the entire claim, including all invoices and reports, is submitted for payment.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 261-6543.

Sincerely,



Ralph N. Smith
Hydrogeologist
Remediation and Redevelopment Program

Enclosures: Usual and Customary Cost Schedule Worksheet (January 31, 2019)
Bid Deferment/Variance Costs Request (January 16, 2019)

cc: Jason Powell – METCO Agent/Consultant (via email and USPS)
Christopher Saari – Northern Region Team Leader (via email)
Jenna Soyer – Fiscal and Information Technology Section Chief (via email)

Usual and Customary Standardized Invoice #25

January 2019 - June 2019



RR-107a

PECFA #: 54830-9999-71
 BRRTS #: 03-16-286908
 Site Name: Sandy's Service (Former)
 Site Address: 16571 STH 35, Dairyland WI

Vendor Name: METCO
 Invoice #: _____
 Invoice Date: 31-Jan-19
 Check #: _____

U&C Total \$ 18,127.38
 Variance to U&C Total \$ 94,633.06
 Grand Total \$ 112,760.44

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
1	GW Sampling	Consultant	GS05	Sample Collection	Well	\$ 72.45	27	\$ 1,956.15
1	GW Sampling	Consultant	GS25	Primary Mob/Demob	Site	\$ 690.92	3	\$ 2,072.76
4	Waste Disposal	Consultant	WD05	Consultant Coordination	Site	\$ 137.13	1	\$ 137.13
4	Waste Disposal	Commodity	WD10	GW Sample and/or Purge	Drum	\$ 42.11	1	\$ 42.11
4	Waste Disposal	Commodity	WD15	Drill Cuttings	Drum	\$ 108.15	4	\$ 432.60
4	Waste Disposal	Commodity	WD25	Primary Mob/Demob	Site	\$ 316.47	1	\$ 316.47
6	Letter Report/Addendum		LRA05	Letter Report/Addendum	Letter	\$ 1,039.29	2	\$ 2,078.58
8	Well Abandonment	Consultant	WAB10	Water column < 30 ft	Ft	\$ 2.52	14	\$ 35.28
10	Initial Site Survey	Consultant	IS10	Subsequent Surveys	Well	\$ 110.15	2	\$ 220.30
12	Direct Push	Consultant	DP05	0 - 24 ft bgs W/ Continuous Soil Sampling	Ft	\$ 5.36	16	\$ 85.76
12	Direct Push	Consultant	DP20	GW Sample Collection	Each	\$ 36.10	2	\$ 72.20
12	Direct Push	Commodity	DP35	0 - 24 ft bgs W/ Continuous Soil Sampling	Ft	\$ 6.93	16	\$ 110.88
12	Direct Push	Commodity	DP50	GW Sample Collection (cost for tubing)	Ft	\$ 0.42	28	\$ 11.76
12	Direct Push	Commodity	DP60	Borehole Abandonment	Ft	\$ 1.26	16	\$ 20.16
12	Direct Push	Commodity	DP70	GW Sample Collection	Each	\$ 39.27	2	\$ 78.54
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR05	0 - 25 ft bgs	Ft	\$ 5.40	14	\$ 75.60
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR20	Primary Mob/Demob	Site	\$ 652.34	1	\$ 652.34
13.b	Drilling In Unconsolidated Soils - Without Soil And/Or GW Sampling	Consultant	DR25	Consultant Oversight	Ft	\$ 1.58	14	\$ 22.12
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR45	0 - 25 ft bgs	Ft	\$ 16.70	14	\$ 233.80
13.e	Drilling In Unconsolidated Soils - Without Soil And/Or GW Sampling	Commodity	DR60	Drilling in Unconsolidated Soils	Ft	\$ 11.97	14	\$ 167.58
14	Monitoring Well Installation	Consultant	MWI05	0 - 25 ft bgs	Ft	\$ 3.89	26	\$ 101.14
14	Monitoring Well Installation	Commodity	MWI15	2 inch PVC Casing	Ft	\$ 16.70	14	\$ 233.80

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
14	Monitoring Well Installation	Commodity	MWI20	Well Development	Well	\$ 147.63	2	\$ 295.26
15	Misc. Drilling Activities & Supplies		MDT05	Drill Rig Mob/Demob	Mob/Demob	\$ 1,059.72	1	\$ 1,059.72
15	Misc. Drilling Activities & Supplies		MDT10	Well Cover/flushmount	Each	\$ 202.65	2	\$ 405.30
15	Misc. Drilling Activities & Supplies		MDT21	Drum, 55 gal. DOT steel	Each	\$ 55.13	5	\$ 275.65
15	Misc. Drilling Activities & Supplies		MDT41	Private Utility Locate	ACTUAL COST	ACTUAL COST	.	TBD
15	Misc. Drilling Activities & Supplies		MDT45	Padlocks	Each	\$ 7.98	2	\$ 15.96
20	Soil Boring/Monitoring Well Permits		SBMWP05	Soil Boring/Monitoring Well Permit	Permit	\$ 246.12	1	\$ 246.12
24	Limited Soil Excavation	Consultant	LSE10	Primary Mob/Demob	Site	\$ 915.11	1	\$ 915.11
31	Consultant Overnight Per Diem		COPD05	Overnight	Night	\$ 125.09	3	\$ 375.27
36	Change Order Request		COR05	Change Order Request (cost cap exceedance requests)	Change Order	\$ 381.78	1	\$ 381.78
37	Vapor Point Installation & Sampling		VIS05	Installation & Sampling (up to 5 points)	Point	\$ 510.26	3	\$ 1,530.78
37	Vapor Point Installation & Sampling		VIS10	Mob/Demob (up to 5 points)	Site	\$ 813.95	1	\$ 813.95
Variance 1	Excavator Quote for Soil Removal and Disposal Consulting Variances: Excavation and Confirmation Soil Sampling, Monitoring Well Installs, soil borings, soil sampling and groundwater sampling per the variance request. It includes the Sub-Slab Vapor Sampling Consulting activities	Commodity	VAR1	Excavation and removal of ~1,330 tons of contaminated soil, includes mob/demob, hauling, fill/backfill, rocks, and compaction. Consultant excavation and disposal project and includes documentation, installation of groundwater monitoring wells to stated depths, groundwater sampling, soil borings to stated depths, project management, confirmation soil sampling (up to 18 samples), analyzed for PVOC + Naphthalene + Lead for both soil and groundwater and drinking water. It includes Sub-Slab Vapor Sampling per the quote as approved.	Quote	\$ 88,797.00	1	\$ 88,797.00
Variance 2	Excavation and Confirmation Soil Sampling, Monitoring Well Installs, soil borings, soil sampling and groundwater sampling per the variance request. It includes the Sub-Slab Vapor Sampling Consulting activities	Consultant	VAR2	Excavation and removal of ~1,330 tons of contaminated soil, includes mob/demob, hauling, fill/backfill, rocks, and compaction. Consultant excavation and disposal project and includes documentation, installation of groundwater monitoring wells to stated depths, groundwater sampling, soil borings to stated depths, project management, confirmation soil sampling (up to 18 samples), analyzed for PVOC + Naphthalene + Lead for both soil and groundwater and drinking water. It includes Sub-Slab Vapor Sampling per the quote as approved.	Quote	\$ 5,836.06	1	\$ 5,836.06
Variance 3	Change Order Request	Consultant	VAR3	Usual & Customary Cost Schedule applies instead.	Quote	\$ 1,000.00	0	\$ -

Usual and Customary Standardized Invoice #25

January 2019 - June 2019



RR-107a

TOTAL LAB CHARGES	\$ 2,655.42	TASK 33	114	\$2,655.42	TASK 24	0	\$ -
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MATRIX	REF CODE	REIMBURSABLE ANALYTE	UNITS	MAX COST	SAMPLES	TOTAL	MAX COST	SAMPLES	TOTAL
WATER	W4	PVOC + Naphthalene	SAMPLE	\$ 30.35	31	\$ 940.85			
WATER	W5	VOC	SAMPLE	\$ 71.93	2	\$ 143.86			
WATER	W7	Lead	SAMPLE	\$ 12.39	33	\$ 408.87			
SOILS	S6	PVOC + Naphthalene	SAMPLE	\$ 36.02	24	\$ 864.48	\$ 36.02		\$ -
SOILS	S10	Lead	SAMPLE	\$ 12.39	24	\$ 297.36	\$ 12.39		\$ -



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709 Gillette St., Ste #3 ♦ La Crosse, WI 54603 ♦ 1-800-552-2932 ♦ Fax (608) 781-8893 Email: rona@metcohq.com ♦ www.metcohq.com

January 16, 2019

Ralph Smith
Wisconsin Department of Natural Resources
101 S. Webster Street
Madison, WI 53707-7921

Subject: Sandy's Service (Former) – Bid Deferment/Variance Request for Excavation/Disposal Project, Sub Slab Vapor Sampling, and additional borings/monitoring wells and groundwater monitoring.
BRRTS #: 03-16-286908, PECFA #: 54830-9999-71-A

Dear Mr. Smith,

At the request of the WDNR, a bid deferment (using Usual & Customary schedule of charges)/variance is being submitted for an excavation/disposal project, sub slab vapor sampling, and additional borings/monitoring wells and groundwater monitoring at the subject property located at 16571 STH 35 in Dairyland, Wisconsin. The cost estimate will include: [1] Conduct an excavation/disposal project to remove approximately 1,330 tons of petroleum impacted soils from the former UST system near MW-1, G-1, -2, -3, -13, and -16 to ~8 feet below ground surface (bgs) and south to the area of Geoprobe borings G-4 & G-5 to ~4 feet bgs. Confirmation soil samples (up to 18) will be collected for PVOC+Naphthalene. [2] Geoprobe/Drilling Project: conduct two Geoprobe borings northwest and west of G-17 to 8 feet bgs with two soil samples and one groundwater sample per boring for PVOC+Naphthalene analysis. Reinstall monitoring well MW-1 (13 feet bgs) and install a new monitoring well down-gradient of monitoring well MW-3 to 13 feet bgs. [3] Surveying. [4] Conduct three post excavation groundwater monitoring events from all site monitoring wells (8 total) and on-site potable well for PVOC+Naphthalene analysis. [5] Conduct Sub Slab Vapor Sampling in the former service station for TO-15 (PVOC & Naphthalene) analysis. [6] Investigative Waste Disposal and [7] Two Letter Reports: one following the first post excavation groundwater sampling event and one following the last groundwater sampling event including the SSVS project. The cost estimate is as follows:

Excavation/Disposal Project (Commodity)	\$ 88,797.00 (variance)
Excavation/Disposal Project (Consulting)	\$ 6,749.92 (variance/u&c)
Abandon MW-1 prior to excavation	\$ 35.28
Soil Boring/MW Permit	\$ 246.12

Private Locate	\$ (Actual Cost)
Geoprobe/Drilling Project	\$ 4,117.97
Surveying	\$ 220.30
Post Excavation Groundwater Sampling (3 rounds)	\$ 4,028.91
Investigative Waste Disposal (after drilling project)	\$ 928.31
Sub Slab Vapor Sampling	\$ 2,721.25 (variance/u&c)
Laboratory Analysis	\$ 1,949.19
Letter Reports (2)	\$ 2,078.58
Change Order Request	\$ 1,000.00 (variance)
Total	\$112,872.83

METCO is requesting a bid deferment/variance in the amount of **\$112,872.83** to complete the above workscope. Upon state and client approval of the proposed workscope and budget, METCO will proceed with the project.

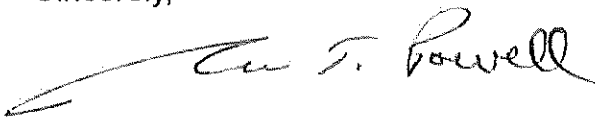
Please note that a second new well recommended south of monitoring well MW-5 does not appear warranted as the eastern edge (side-gradient) of the contaminant plume is defined by water samples collected from Geoprobe borings G-7, -21, & -24 and monitoring well MW-6. It should also be mentioned that the contaminant levels drop significantly from the source area to Geoprobe groundwater samples G-22-W & G-23-W.

At this time, our client does not want to have any borings done in the concrete pad nor to have any concrete removed as part of the excavation project unless the state would consider concrete replacement. Otherwise we will have to note the concrete pad as a "Structural Impediment".

Attached is a site layout map (with proposed excavation area, proposed down-gradient monitoring well location, and proposed sub slab vapor sampling locations), excavation cost estimates (was only able to obtain two competitive bids), consulting variance estimates, and draft standardized invoice form for the above workscope as required.

Should you have any questions, comments, or recommendations please contact me at our La Crosse office (608) 781-8879 or email at jasonp@metcohq.com.

Sincerely,



Jason T. Powell
Staff Scientist

Attachment

c: Ray Sandstrom – Client

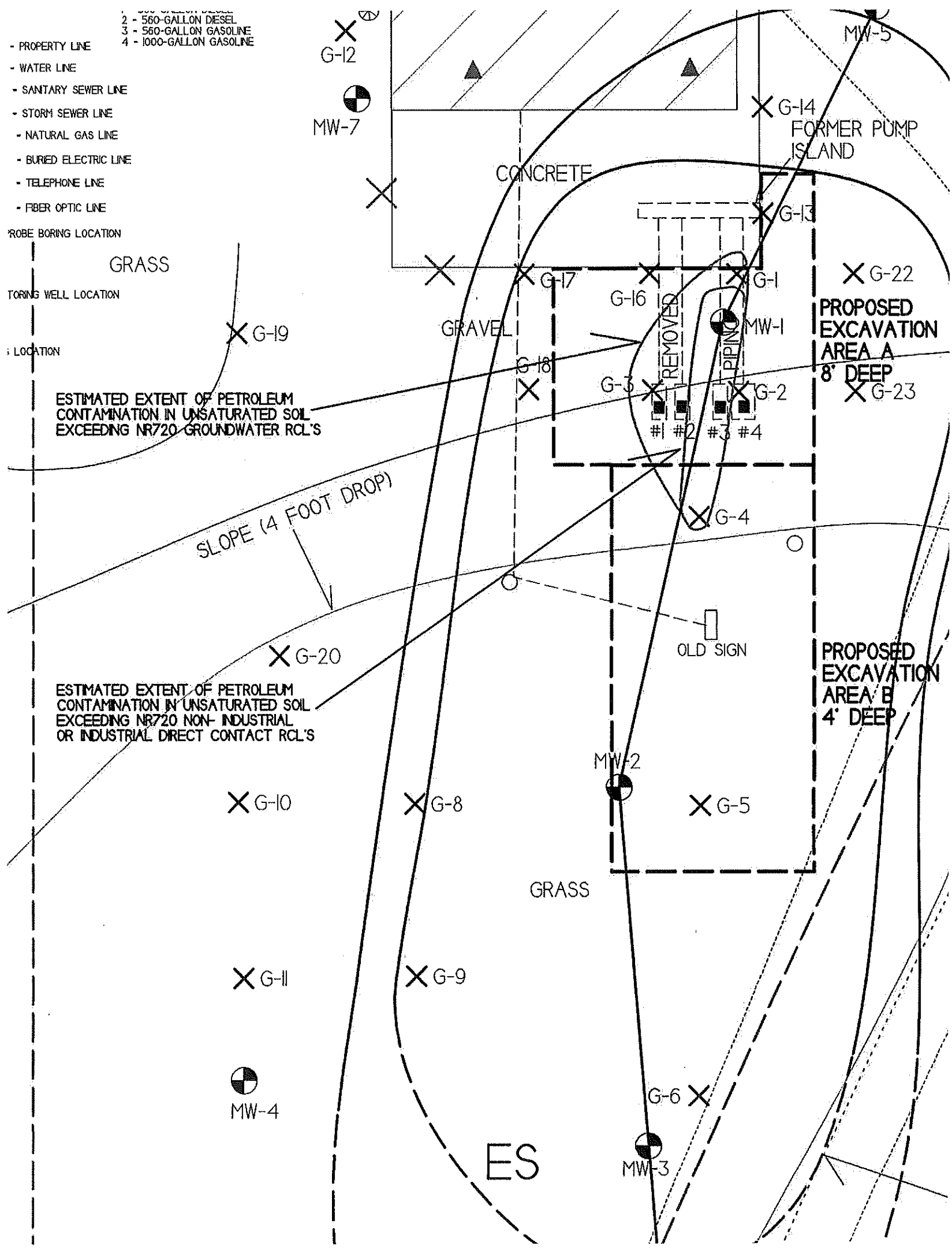
- 2 - 560-GALLON DIESEL
- 3 - 560-GALLON GASOLINE
- 4 - 1000-GALLON GASOLINE

- PROPERTY LINE
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- NATURAL GAS LINE
- BURIED ELECTRIC LINE
- TELEPHONE LINE
- FIBER OPTIC LINE

ROBE BORING LOCATION

TORING WELL LOCATION

LOCATION



Dairyland, WI Former SANDY'S SERVICE (1330 ton)

Mobilization	1	5000	5000-
Excavate	1330	3.40	4522-
Haul	1330	23.00	30,590-
Disposal	1330	23.00	30,590-
Fill	1050	9.00	9,450-
Rock	280	19.00	5,320-
Backfill & Compaction	1330	2.50	3,325-
			<hr/>
			88,797.-

DKS

2520 Wilson St

Menomonee WI 54757

1-9-2019

MODERN TRUCKING LLC

N6889 579TH STREET
MENOMONIE, WI 54751
(715) 308-4326

Metco
709 Gillette Street
La Crosse WI 54603

1/9/19

Sandy's Service Dairyland, WI

Mobilization	1	5850.00	5850.00
Dig dirt	1330	4.25	5652.50
Trucking/Soil disposal	1330	49.75	66167.50
<u>Fill placed & compacted</u>	<u>1330</u>	<u>12.00</u>	<u>15960.00</u>

Total bid

\$93630.00

Consulting Variances

Soil Excavation/Disposal Project (Consulting)

Project Management: 6 hours @ \$94.13/hour

Waste Disposal Documents: 4 hours @ \$94.13/hour

Prepare for project: 4 hours @ \$94.13/hour

Fieldwork: 44 hours (four days) @ \$94.13/hour

Total Consulting Costs for Excavation/Disposal Project: \$5,459.54

Please note: overnight per diem, mob/demob, and equipment for the excavation project has been included in the U&C standardized invoice attached.

Sub-Slab Vapor Sampling Cost Estimate (Consulting)

METCO Project Management Costs for Sub-Slab Vapor Sampling (scheduling, preparation, coordination with contractor and property owner, and data reduction/analysis of vapor results): 4 hours @ \$94.13/hour = \$376.52

Usual and Customary Standardized Invoice #25

January 2019 - June 2019



RR-107a

TOTAL LAB CHARGES \$ 1,949.19 TASK 33 57 \$ 1,949.19 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	31	\$ 940.85			
WATER	W5	VOC	SAMPLE	\$ 71.93	2	\$ 143.86			
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	\$ 178.30		\$ -			
WATER	W21	EDB Method 504	SAMPLE	\$ 95.45		\$ -			
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	24	\$ 864.48	\$ 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		\$ -
SOILS	S11	Cadmium	SAMPLE	\$ 14.60		\$ -			
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 \$	1,949.19		

MAX COST	SAMPLES	TOTAL
\$ 24.78		\$ -
\$ 30.35		\$ -
\$ 28.14		\$ -
\$ 25.83		\$ -
\$ 49.46		\$ -
\$ 36.02		\$ -
\$ 71.93		\$ -
\$ 50.61		\$ -
\$ 72.98		\$ -
\$ 12.39		\$ -
TASK 24 TOTAL \$ -		