

# SEYMOUR ENVIRONMENTAL SERVICES, INC.

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

March 18, 2019

PECFA ID#: 53937-7309-32

BRRTS: #03-53-554361

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

Re: Sam Miller/Rizzo Farm  
33832 Highway 154  
Hillpoint, WI 53937

Dear Mr. Heberer:

We are requesting budget to conduct a remedial excavation at the above referenced site. The total budget request is for \$67,567.54. 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 (~1,000 square feet). The contaminated soils extended from ~5 to 39 feet below grade. However, contaminant levels declined sharply in soils deeper than 25 feet and only benzene was present above the groundwater pathway RCLs in the soils below 25 feet. Because of this we plan to excavate soil at the site to a depth of ~25 feet. The proposed remediation includes excavation of 1,000 tons of contaminated soil and around 400 tons of clean overburden.

Prior to beginning the soil remediation we need to visit the site and collect several additional soil samples. The landfill (Advanced Waste-Cranberry Creek) is requiring GRO analytical data from 2 more soil samples because of the volume of contaminated soil that we plan to remove. We anticipate going to the site with a Geoprobe™ to collect these samples within the next month so that profiling for the contaminated soil can be completed. Since we have not exceeded the \$20,000 site investigation cap I am not including the costs for this sampling in the attached budget request.

## **Soil Remediation Budget**

The total costs related to the contaminated soils remediation are \$64,752.28. This includes the contracting costs for the remedial excavation, disposal, and backfilling (details of the variance are tabulated below). The cost related to handling the clean overburden are separated in the summary table for your information/convenience.

| ITEM                                 | Amount    | Unit Cost | Total       |
|--------------------------------------|-----------|-----------|-------------|
| Contractor Mobilization              | 1         | \$3,950   | \$ 3,950    |
| Contaminated Soil Excavation/Hauling | 1,000 ton | \$19.55   | \$ 19,550   |
| Contaminated Soil Disposal           | 1,000 ton | \$23.00   | \$23,000    |
| Excavation Backfill/Compact          | 1,000 ton | \$11.50   | \$11,500    |
| Clean Overburden Excavation          | 400 ton   | \$2.50    | \$ 1,000    |
| Backfilling of the Overburden        | 400 ton   | \$2.50    | \$ 1,000    |
| Total Commodity Costs                |           |           | \$60,000    |
| Consultant Oversight (contaminated)  | 50 hours  | 91.39     | \$ 4,569.50 |
| Consultant Oversight (overburden)    | 2 hours   | 91.39     | \$ 182.78   |
| Total Consultant Costs               |           |           | \$4,752.28  |
| Total Remediation Cost               |           |           | \$64,752.28 |

The costs related to the proposed soil remediation are consistent with the approvable rates outlined in the PECFA U&C invoice table for limited soil excavations. The requested contracting cost is \$60/ton which is the same as in the U&C table. The requested consulting cost is \$4.75/ton. This is slightly less than the \$4.94 consultant cost in the U&C table. The cost to conduct the soil remediation at the site are slightly higher than would be typical for an excavation of the proposed size. The higher costs result from a remote location of the property. The nearest landfill that will take the contaminated soil is in Wisconsin Rapids which is about 90 miles away and will take over 2 hours to travel one way.

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 report, per diem and a cost request. Additionally, the costs to collect and analyze another sample from the private water supply well are included in the U&C table. The total U&C cost is \$2,815.26.

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 (WD Navis Excavating)

# Usual and Customary Standardized Invoice #25

## January 2019 - June 2019



RR-107a

PECFA #: 53937-7309-32  
 BRRTS #: 03-53-554361  
 Site Name: Rizzo Property  
 Site Address: 33832 Highway 154, Hillpoint

Vendor Name: Seymour  
 Invoice #: Cost Request  
 Invoice Date:  
 Check #:

U&C Total \$ 2,815.26  
 Variance to U&C Total \$ 64,752.28  
 Grand Total \$ 67,567.54

| 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      | 1     | \$ 72.45    |
| 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                    | \$ 690.92     |       | \$ -        |
| 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 directed)         | Site                    | \$ 68.25      |       | \$ -        |
| 3    | LNAPL Assessment & Removal |            | LAR10         | Primary Mob/Demob   | Site                    | \$ 569.88     |       | \$ -        |
| 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                    | \$ 316.47     |       | \$ -        |
| 5    | Closure Request            |            | CR05          | Primary Closure Request   | Submittal               | \$ 2,700.00   |       | \$ -        |
| 5    | Closure Request            |            | CR15          | Continuing Obligation Packet Submittal (For Source Property)            | Packet                  | \$ 507.36     |       | \$ -        |
| 5    | Closure Request            |            | CR20          | Continuing Obligation Packet Submittal (For off-site Properties)        | Per Additional Property | \$ 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   | 1     | \$ 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   | \$ -      |
| 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                 | \$            | 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                   | \$            | 5.57     | \$ -      |
| 8    | Well Abandonment                   | Commodity  | WAB45         | Well Abandonment (4 inch)  | Ft                   | \$            | 6.51     | \$ -      |
| 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                 | \$            | 563.31   | \$ -      |
| 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      | \$ 578.66     | \$ -  | -         |
| 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      | \$ 652.34     | \$ -  | -         |
| 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      | \$ 555.68     | \$ -  | -         |
| 13.c | Drilling In Bedrock  | Consultant | DR35          | Consultant Oversight                                       | Ft        | \$ 6.20       | \$ -  | -         |
| 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        | \$ 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      | \$ 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      | \$ 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            | \$ 611.12     | \$ -  |           |
| 17   | Surface Soil/Sediment/Water Sampling |            | SSWS05        | Sampling   | Sample Location | \$ 21.53      | \$ -  |           |
| 17   | Surface Soil/Sediment/Water Sampling |            | SSWS10        | Primary Mob/Demob  | Site            | \$ 497.70     | \$ -  |           |
| 19   | Hydraulic Conductivity Testing       |            | HCT05         | Hydraulic Conductivity Testing                                 | Well            | \$ 58.59      | \$ -  |           |
| 19   | Hydraulic Conductivity Testing       |            | HCT10         | Primary Mob/Demob  | Site            | \$ 718.07     | \$ -  |           |
| 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            | \$ 915.11     | 1 \$  | 915.11    |
| 24   | Limited Soil Excavation              | Commodity  | LSE13         | Laboratory (see task 24 total on Lab Schedule)                 | Lab Schedule    |               | 6 \$  | 216.12    |
| 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   | \$ -  |           |
| 25   | Remediation System Shut Down         |            | SSD10         | Temporary  | Site            | \$ 329.28     | \$ -  |           |
| 25   | Remediation System Shut Down         |            | SSD15         | Primary Mob/Demob  | Site            | \$ 520.91     | \$ -  |           |
| 27   | Claim Submittal                      |            | CS05          | Claim Submittal  | Claim           | \$ 585.90     | \$ -  |           |
| 28   | Standardized Invoice                 |            | SI05          | Standardized Invoice   | Invoice         | \$ 17.64      | \$ -  |           |
| 30   | Meeting With Regulators              |            | MR05          | Meeting with Regulators  | Meeting         | \$ 349.23     | \$ -  |           |
| 31   | Consultant Overnight Per Diem        |            | COPD05        | Overnight  | Night           | \$ 125.09     | 4 \$  | 500.36    |

| TASK     | TASK DESCRIPTION                    | SERVICES   | ACTIVITY CODE | ACTIVITY REFERENCE CODE DESCRIPTION                 | UNIT         | MAX UNIT COST | UNITS | TOTAL MAX    |
|----------|-------------------------------------|------------|---------------|---|--------------|---------------|-------|--------------|
| 33       | Schedule Of Laboratory Maximums     | Commodity  |               | Laboratory (see task 33 total on Lab Schedule)      | Lab Schedule |               |       | \$ 71.93     |
| 34       | Consultant Incremental Mob/Demob    |            | IMD05         | Incremental Mob/Demob                               | Site         | \$ 287.18     |       | \$ -         |
| 35       | Cap Maintenance Plan                |            | CMP05         | Cap Maintenance Plan                                | Plan         | \$ 320.04     |       | \$ -         |
| 36       | Change Order Request                |            | COR05         | Change Order Request (cost cap exceedance requests) | Change Order | \$ 381.78     |       | \$ -         |
| 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 | Soil Remediation                    | Commodity  |               | Soil Excavation, hauling, tipping fees, backfill    |              |               |       | \$ 60,000.00 |
| Variance | Soil Remediation                    | Consulting |               | Excavation Oversight                                |              |               |       | \$ 4,752.28  |

# Usual and Customary Standardized Invoice #25

## January 2019 - June 2019



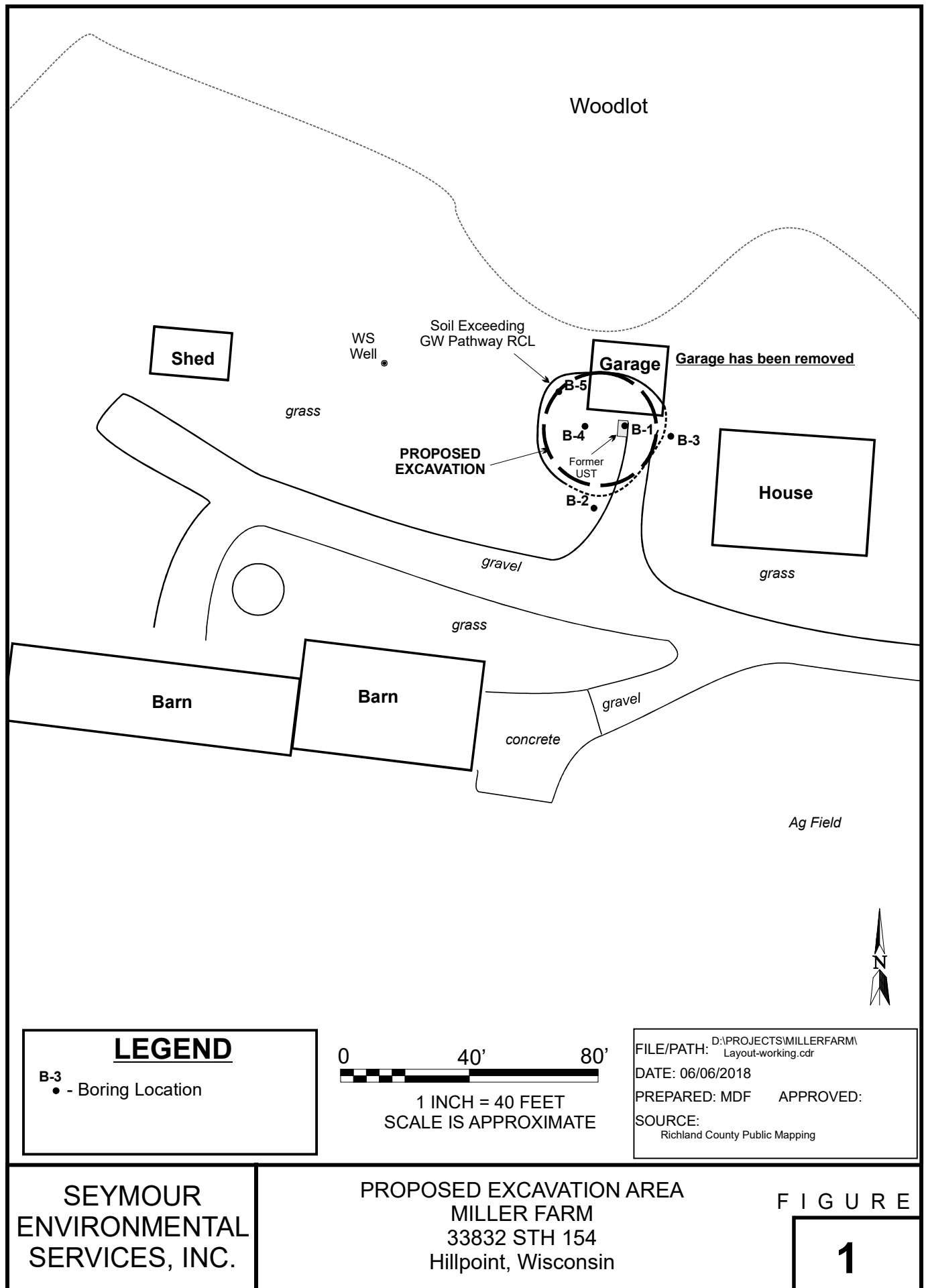
RR-107a

|                   |       |         |   |         |         |   |          |
|-------------------|-------|---------|---|---------|---------|---|----------|
| TOTAL LAB CHARGES | ##### | TASK 33 | 1 | \$71.93 | TASK 24 | 6 | \$216.12 |
|-------------------|-------|---------|---|---------|---------|---|----------|

| 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  | 1       | \$ 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  |         | \$ -     |          |         |           |
| 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  |         | \$ -     |          |         |           |
| 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 | 6       | \$ 216.12 |
| 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 \$ 216.12 |         |       |
| 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 \$ 71.93 |         |       |                         |         |       |



# BID ESTIMATE SHEET

Sam Miller Farm, Wisconsin

## Excavation and Removal of Petroleum-Contaminated Soil

| <u>ITEM</u>   | <u>UNIT COST</u> | <u>ESTIMATED TOTAL</u> |
|---|------------------|------------------------|
| <b>PECFA-ELIGIBLE ITEMS</b>   |                  |                        |
| Mobilization<br>(lump sum per mobilization = \$ 3,950.00 )                              | (lump sum)       | \$ 3,950.00            |
| Excavate/load soil/haul soil<br>(per ton = \$ 19.55 )                                   | (1,000 tons)     | \$ 19,550.00           |
| Excavate and stockpile clean soil onsite<br>(per ton = \$ 2.50 )                        | (400 tons)       | \$ 1,000.00            |
| Provide backfill soil material (source of your choice)/compact<br>(per ton = \$ 11.50 ) | (1,000 tons)     | \$ 11,500.00           |
| Backfill and compact stockpiled soil<br>(per ton = \$ 2.50 )                            | (400 tons)       | \$ 1,000.00            |

Total Eligible Site Work Cost \$ 37,000.00

WD Navis, Inc.

Dennis Navis

Date

*Dennis Navis* 3-2-19