

May 7, 2019

Mr. John Mason
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Madison, Wisconsin 53711



RE: Change Order/Variance Request
Frei Oil (BRRTs 02-14-287206, PECFA 53032-9999-07)
207 Highway Street
Horicon, Wisconsin 53032

Mr. Mason:

Seymour Environmental Services, Inc. is requesting a budget approval to excavate 1,500 tons of contaminated soil from the former Frei Oil site in Horicon. Our budget request total is \$81,823.24. The budget request includes items from the PECFA U&C schedule (non-variance) and items not included on the cost schedule (variance). The non-variance items are included on the attached U&C schedule. This includes the costs to abandon and reinstall a well, conduct post-remedial monitoring, per diems and to prepare a letter report of the results. The remedial excavation costs are included in the variance activities and are described below.

VARIANCE COSTS

Contaminated Soil Remediation Cost

This includes the contracting costs for the contaminated soil excavation, disposal, and backfilling (details of the variance are tabulated below). The estimated contracting costs related to the contaminated soil remediation are \$60,675. Consulting costs are \$5,026.45. Both costs are lower than the rate allowed in the U&C Schedule (LE24).

| Contaminated Soil Remediation Costs | | | |
|---|-----------|-----------|-------------|
| ITEM | Amount | Unit Cost | Total |
| Contractor Mobilization | 1 | \$1,000 | \$ 1,000 |
| Contaminated Soil Excavation/Load | 1,500 ton | \$2.20 | \$ 3,300 |
| Haul to landfill | 1,500 ton | \$3.30 | \$ 4,950 |
| Provide Backfill | 1,300 | \$8.25 | \$10,725 |
| Provide Gravel | 200 | \$8.60 | \$1,720 |
| Compact | 1,500 | \$2.10 | \$3,150 |
| Landfill Tipping Fees | 1,500 ton | \$24.00 | \$36,000 |
| Landfill Profile Fee | | | \$50 |
| Total Soil Excavation Cost (Contractor) | | | \$60,895 |
| Consultant Oversight | 55 hours | \$91.39 | \$5,026.45 |
| Total Soil Remediation Cost | | | \$65,921.45 |

Clean Soil Handling

Contaminated soils in a portion of the work area are overlain by clean soil which will be moved to access the underlying soil contamination. The total cost related to handling of the clean soils is \$1,249.56. This includes the contracting costs for the excavation and stockpiling (details of the variance are tabulated below). It also includes hours of consultant oversight/field screening during the removal of the overburden.

| Clean Overburden Removal and Replacement | | | |
|--|---------|-----------|------------|
| ITEM | Amount | Unit Cost | Total |
| Clean Overburden Excavation | 200 ton | \$2.20 | \$440 |
| Backfilling of the Overburden | 200 ton | \$2.20 | \$440 |
| Total Clean Overburden Cost (Contractor) | | | \$880 |
| Consultant Oversight | 4 hours | \$91.39 | \$365.56 |
| Total | | | \$1,245.56 |

Pumping Contaminated Water from Excavation

We believe that pumping the contaminated water will improve the groundwater quality faster during the post-remedial monitoring. I contacted Environmental Specialist from Watertown to pump the water from the excavation. They will send a vacuum truck for \$275 per hour. The water will be taken to Horicon's Wastewater Treatment Plant.

| Pumping Excavation | | | |
|-------------------------|--------|-----------|------------|
| ITEM | Amount | Unit Cost | Total |
| Pumping Excavation | 6 | \$275 | \$ 1,650 |
| Disposal Charges (est.) | | | \$100 |
| Total | | | \$1,750.00 |

Thank You,
 Seymour Environmental Service, Inc.

Robyn Seymour

Robyn Seymour

U&C Form
 W.D. Navis Bid
 Proposed Excavation Map

Usual and Customary Standardized Invoice #25

January 2019 - June 2019



RR-107a

PECFA #: 53032-9999-07
 BRRT's #: 02-14-287206
 Site Name: Frei Oil Company-former
 Site Address: 207 Highway St., Horicon

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

U&C Total \$ 12,906.23
 Variance to U&C Total \$ 68,917.01
 Grand Total \$ 81,823.24

| 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 | 16 | \$ 1,159.20 |
| 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 | \$ 28.25 | | \$ - |
| 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 | 4 | \$ 2,763.68 |
| 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 direc | Site | \$ 68.25 | | \$ - |
| 3 | LNAPL Assessment & Removal | | LAR10 | Primary Mob/Demob | Site | \$ 569.88 | | \$ - |
| 4 | Waste Disposal | Consultant | WD05 | Consultant Coordination | Site | \$ 137.13 | 2 | \$ 274.26 |
| 4 | Waste Disposal | Commodity | WD10 | GW Sample and/or Purge | Drum | \$ 42.11 | 5 | \$ 210.55 |
| 4 | Waste Disposal | Commodity | WD15 | Drill Cuttings | Drum | \$ 108.15 | 1 | \$ 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 | \$ 1,582.35 |
| 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 Propertie | 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 | 1 \$ | 162.86 |
| 8 | Well Abandonment | Consultant | WAB10 | Water column < 30 ft | Ft | \$ 2.52 | 15 \$ | 37.80 |
| 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 | 0.5 \$ | 5.41 |
| 8 | Well Abandonment | Consultant | WAB25 | Portland Cement (94lb bag) | Bag | \$ 8.19 | \$ - | - |
| 8 | Well Abandonment | Consultant | WAB30 | Primary Mob/Demob | Site | \$ 398.48 | 1 \$ | 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 | 1 \$ | 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 | 15 \$ | 81.00 |
| 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 | 1 \$ | 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 | \$ 18.70 | \$ - | |
| 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 | 15 \$ | 179.55 |
| 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 | 15 \$ | 58.35 |
| 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 | 15 \$ | 250.50 |
| 14 | Monitoring Well Installation | Commodity | MWI20 | Well Development | Well | \$ 147.63 | 1 \$ | 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 | 1 \$ | 1,059.72 |
| 15 | Misc. Drilling Activities & Supplies | | MDT10 | Well Cover/flushmount | Each | \$ 202.65 | 1 \$ | 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 | 1 | \$ 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 | | | | \$ - |
| 15 | Misc. Drilling Activities & Supplies | | MDT45 | Padlocks | Each | \$ 7.98 | 1 | \$ 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 | | \$ - |
| 24 | Limited Soil Excavation | Commodity | LSE13 | Laboratory (see task 24 total on Lab Schedule) | Lab Schedule | | 22 | \$ 1,088.12 |
| 24 | Limited Soil Excavation | Commodity | LSE15 | Limited Soil Excavation | Ton | \$ 60.00 | | \$ - |
| 24 | Limited Soil Excavation | Commodity | LSE16 | Landfill Environmental Fee (provide documentation) | | | | \$ - |
| 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 | | | \$ 485.60 |
| 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 | 1 | \$ 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 | | Commodity | | Excavation of Contaminated Soil | | | | \$ 60,895.00 |
| Variance | | Consultant | | Excavation of Contaminated Soil | | | | \$ 5,026.45 |
| | | Both | | Handling Clean Overburden | | | | \$ 1,245.56 |
| | | | | Pumping Groundwater | | | | \$ 1,750.00 |

Usual and Customary Standardized Invoice #25 January 2019 - June 2019



RR-107a

TOTAL LAB CHARGES \$ 1,573.72 TASK 33 16 \$ 485.60 TASK 24 22 \$ 1,088.12

| 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 | | \$ - | | | |
| 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 | 16 | \$ 485.60 | | | |
| 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 | 14 | \$ 504.28 |
| 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 | 8 | \$ 583.84 |
| 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 | | \$ - | | | |
| 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 | \$ 485.60 | | |
| | | | | | | TASK 24 TOTAL | \$ 1,088.12 | | |

BID ESTIMATE SHEET

Former Frei Oil, Horicon, Wisconsin

Excavation and Removal of Petroleum-Contaminated Soil

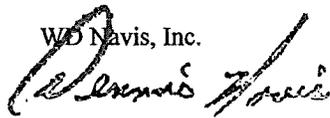
| <u>ITEM</u> | <u>UNIT COST</u> | <u>ESTIMATED TOTAL</u> |
|--|------------------|------------------------|
| Mobilization | (lump sum) | \$ <u>1,000.00</u> |
| Excavate and stockpile clean soil onsite (per ton = \$ <u>2.20</u>) | (200 tons) | \$ <u>440.00</u> |
| Excavate/load soil (per ton = \$ <u>2.20</u>) | (1,500 tons) | \$ <u>3,300.00</u> |
| Haul soil (per ton = \$ <u>3.30</u>) | (1,500 tons) | \$ <u>4,950.00</u> |
| Provide backfill material (per ton = \$ <u>8.25</u>) (source of your choice) | (1,300 tons) | \$ <u>10,725.00</u> |
| Provide gravel backfill for surface (per ton-\$ <u>8.60</u>) | (200 tons) | \$ <u>1,720.00</u> |
| Compact imported backfill (per ton = \$ <u>2.10</u>) | (1,500 tons) | \$ <u>3,150.00</u> |
| Backfill and compact stockpiled soil (per ton = \$ <u>2.20</u>) | (200 tons) | \$ <u>440.00</u> |

Total Eligible Site Work Cost \$ 25,725.00

Alternate 1A: Mobilize and excavate sample hole

ADD = \$520.00

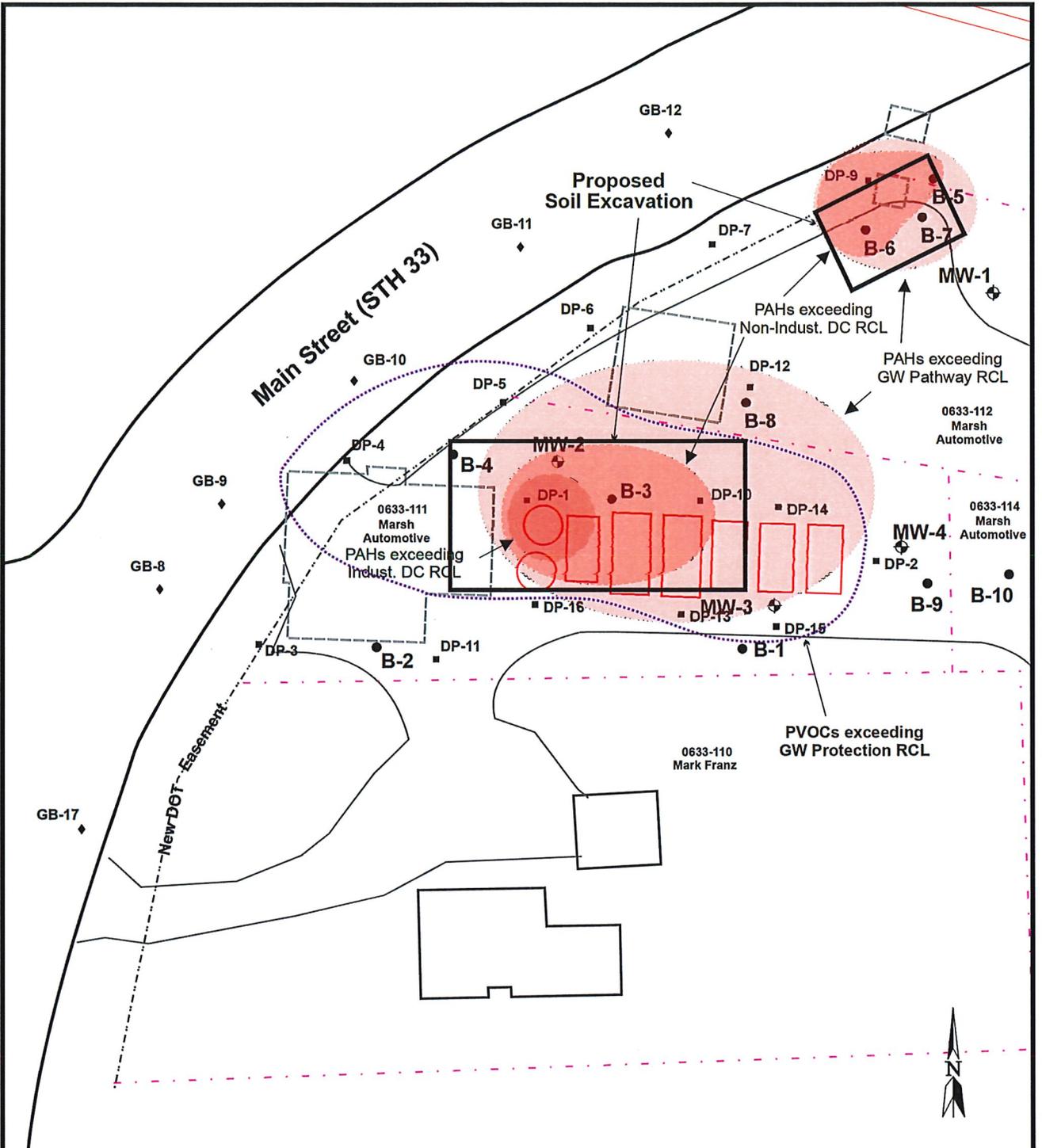
WD Navis, Inc.



4/5/2019

Dennis Navis

Date

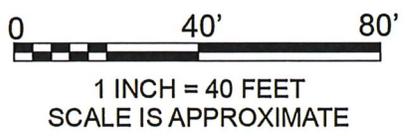


LEGEND

B-1 ● - Geoprobe (Nov. 2014)

GB8 ◆ - Geoprobe (March 2006)

DP-3 ■ - Geoprobe (Jan. 2007)



FILE/PATH: D:\PROJECTS\FreiOil\basemap.cdr

DATE: 06/09/2014

PREPARED: MDF APPROVED:

SOURCE: FIELD MEASUREMENTS

SEYMOUR ENVIRONMENTAL SERVICES, INC.

SOIL CONTAMINATION/PROPOSED EXCAVATION
 FREI OIL PROPERTY
 207 Highway Street
 Horicon, Wisconsin

FIGURE
 1