



engineering | architecture | environmental | surveying
landscape architecture | planning | economic development

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
800-472-7372
FAX 715-235-2727
www.cedarcorp.com

June 6, 2018

Department of Natural Resources
Attn: Carrie Stoltz
108 Sutcliffe Avenue
Rhineland, WI 54501

SUBJECT: Perry's Corners
N6097 STH 73, (Hannibal) Gilman, WI
PECFA Project #54433-9753-97
BRRTS Project #03-61-168823

Dear Ms. Stoltz:

Cedar Corporation, on behalf of Ruth Olson, RP for Perry's Corners, has met with the Department's post case closure review group to discuss options to achieve case closure. Based on our discussions, installation of a semi permeable membrane barrier at this location to address the existing residual contaminated soil and excavation of impacted soils that can be removed for disposal was the preferred option. The attached site excavation plan details the proposed excavation area and location of the fiber optic cable which will require a membrane barrier. Soils that are accessible will be removed using small excavation and hand-held equipment. The same equipment would be used for the membrane installation over the fiber optic cable where soils cannot be safely removed. Therefore, we have developed the following Work Scope to address the petroleum contamination concerns at this location in Hannibal, WI. We believe the following activity will assure this case is ready for case closure per our discussion.

Our evaluation of the residual contaminated soils has determined that some 525 cubic yards or 725 tons of soil with contamination above current groundwater pathway and direct contact RCL standards. Removal of these soils to a depth of 10 feet, where accessible, would eliminate the groundwater pathway threat at this location as groundwater is present at 9-10 feet below surface. The area under the fiber optic line cannot be excavated and would be protected by a membrane placed over the fiber optic line. The anticipated consultant costs that can be completed per usual and customary rates are itemized on the attached UCS #23 PECFA standardized invoice. Confirmation soil sampling for PVOCs + Nap (20 samples) is included in the U&C Schedule. Please note our local costs for soil removal, transportation, and disposal exceed the U&C Schedule for a Limited Site Excavation of \$60.00 per ton. We have provided itemized costs for the disposal of the 725 tons of material and are requesting a variance of \$72,184.02 for these services. Attached is the low bid amount from DKS for these services. Two additional estimates are included for your review. A report on this activity will be issued after the removal of the soils. Upon appropriate approval, we will revise and resubmit the case closure documents for review and submittal to the Case Closure committee.

Please do not hesitate to contact me at 715-235-9081 should you have any questions or comments regarding this request.

Yours truly,

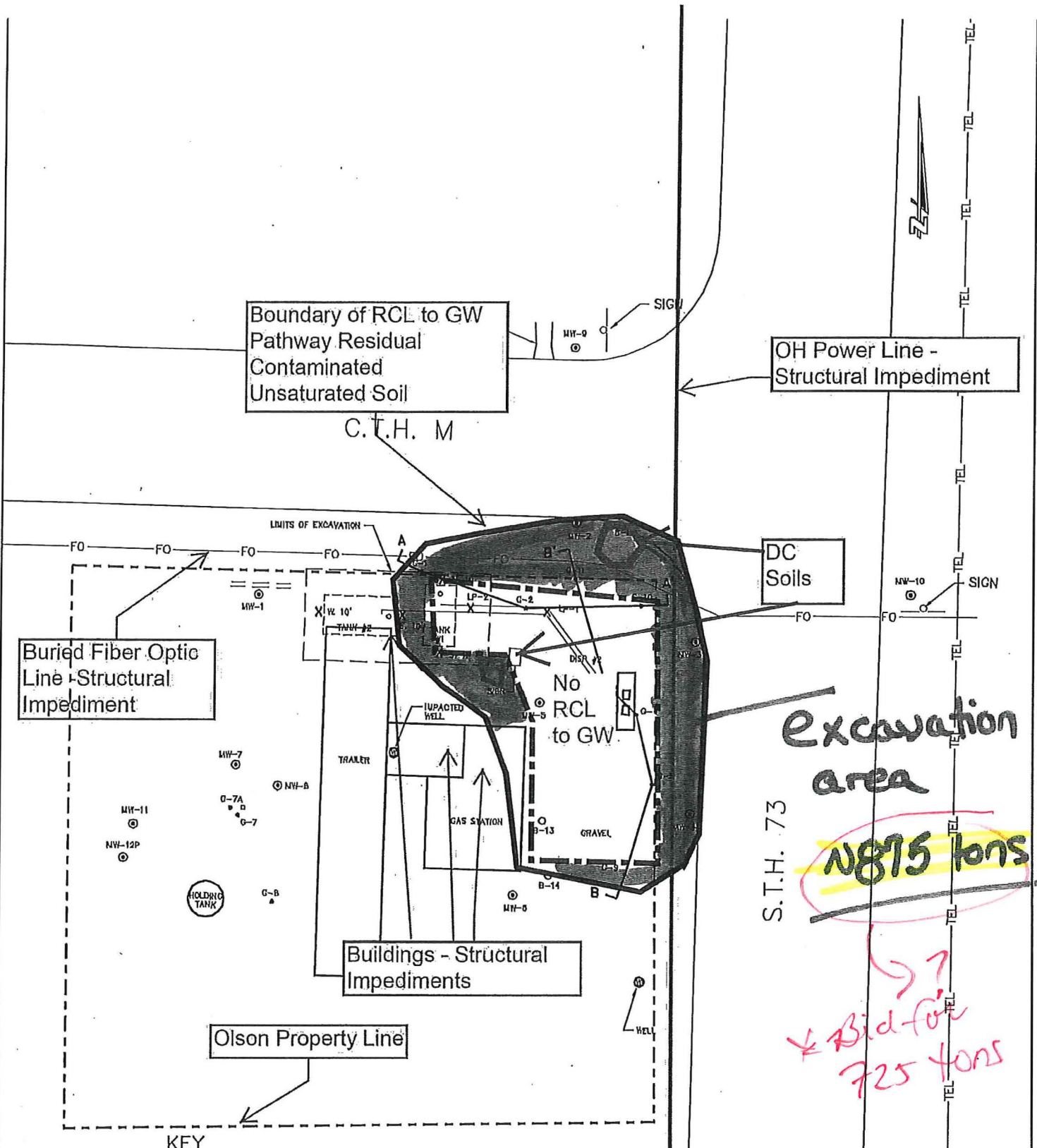
CEDAR CORPORATION

A handwritten signature in black ink, appearing to read "Mitch Evenson". The signature is written in a cursive style with a long horizontal stroke at the end.

Mitch Evenson
Director of Environmental

MEE/br

Cc: Ruth Olson, 3030 Erika's Way, Medford, WI 54451
Glen Webster, N6097 STH 73, Gilman, WI 54433



Buried Fiber Optic Line - Structural Impediment

Boundary of RCL to GW Pathway Residual Contaminated Unsaturated Soil

OH Power Line - Structural Impediment

DC Soils

Excavation area

8875 tons

Buildings - Structural Impediments

Olson Property Line

S.T.H. 73

77
* Bid for 725 tons

- KEY
- = GEOPROBE LOCATIONS
 - X = SOIL SAMPLE LOCATION
 - = SOIL BORING
 - ⊙ = MONITORING WELLS



| | | |
|-----------------------------|--|--|
| | | 604 Wilson Avenue Menomonie, Wisconsin 54751 715-235-8051 800-472-7372 FAX 715-235-2727 www.cedarcorp.com |
| DRAWN BY MAK | PROJECT FILE PERRY'S CORNERS | CHECKED BY KMD |
| DATE OCT 07 | <div style="border: 1px solid black; padding: 5px; text-align: center;"> Residual Soil Contamination HANNIBAL, WI </div> | JOB NO. 4178-001 |
| FILE OLSON-CC.DWG | | FIGURE <div style="border: 1px solid black; padding: 2px;"> B.2.b. </div> |
| SCALE 1" = 20' | 10/11/2007 3:56:20 PM 07.20' | |

Stoltz, Carrie R - DNR

* Explanation of tonnage

From: Mitch Evenson <mitch.evenson@cedarcorp.com>
Sent: Monday, June 11, 2018 7:22 AM
To: Stoltz, Carrie R - DNR
Subject: RE: Perry's Corners BRRTS # 03-61-168823

Carrie, I will adjust the PM over site cost and remove the soil profiling cost line item and add lines to the estimate so that it is easier to see what goes to each line item. The excavation map estimates that about 875 tons of soil is impacted. Of the 875 tons we believe that only 725 tons of soil will be able to be excavated due to the location of the fiber optic cable. The materials that cannot be removed will be cover with a membrane barrier per the attached contractor quote.

Thanks, Mitch

Mitch Evenson, C.H.M.M.

Director of Environmental
Cedar Corporation
604 Wilson Avenue | Menomonie | WI | 54751
Office: 715-235-9081 | TF: 800-472-7372 | Mobile: 715-556-9514
mitch.evenson@cedarcorp.com
www.cedarcorp.com | [LinkedIn](#) | [Facebook](#) | [Twitter](#)

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From: Stoltz, Carrie R - DNR [<mailto:Carrie.Stoltz@wisconsin.gov>]
Sent: Saturday, June 9, 2018 8:53 AM
To: Mitch Evenson <mitch.evenson@cedarcorp.com>
Subject: RE: Perry's Corners BRRTS # 03-61-168823

Hi Mitch, I reviewed your request and have a couple of questions (see attachment).

Excavation Variance

- ? The new PECFA guidance states that soil profiling should be included in PM oversight and mob
- ? Is hard to figure out what line items go with which prices
- ? The excavation drawing states approx. 875 tons, but only 725 were bid

I will be in all day Monday, if you would like to discuss. Thanks, Carrie

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Carrie Stoltz
Phone (715)365-8942
Carrie.Stoltz@Wisconsin.gov

From: Mitch Evenson [<mailto:mitch.evenson@cedarcorp.com>]
Sent: Thursday, June 07, 2018 7:22 AM

To: Stoltz, Carrie R - DNR <Carrie.Stoltz@wisconsin.gov>

Subject: Perry's Corners BRRTS # 03-61-168823

Carrie, attached is the updated variance request for Perry's Corners. If you have any questions please do not hesitate to contact me. Thanks, Mitch

Mitch Evenson, C.H.M.M.

Director of Environmental

Cedar Corporation

604 Wilson Avenue | Menomonie | WI | 54751

Office: 715-235-9081 | TF: 800-472-7372 | Mobile: 715-556-9514

mitch.evenson@cedarcorp.com

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Variance Request

Perry's Corners
Soil Excavation
August 2018

Unit costs are based on present values on above listed date.

| Description | Unit | Qty | Unit Cost | Total | No. of Events | Total Cost | Subtotals |
|---|------|-----|-----------|------------|---------------|------------|---------------|
| Commodity Charges | | | | | | | |
| Excavation Contractor | | | | | | | |
| Total Commodity Charges (See Attached) | | | | | | | \$62,545.00 ✓ |
| Consulting Charges | | | | | | | |
| Prepare Remedial Options, Discuss with WDNR PM, and Bid 725 Ton Soil Excavation | | | | | | | |
| WisDOT Traffic Control Determination / LCS Permit | Hour | 4 | \$91.39 | \$365.56 | 1 | \$365.56 | |
| Project Management | Hour | 12 | \$91.39 | \$1,096.68 | 1 | \$1,096.68 | |
| Administrative | Hour | 4 | \$42.65 | \$170.60 | 1 | \$170.60 | |
| Discussions/Pre-Construction Meetings with Property Owners | | | | | | | |
| | Hour | 6 | \$91.39 | \$548.34 | 1 | \$548.34 | |
| Total Consulting Charges | | | | | | | \$2,546.74 ✓ |
| Field Time (Estimated 4 Days to Complete) | | | | | | | |
| Job Prep | Hour | 2 | \$91.39 | \$182.78 | 1 | \$182.78 | |
| Field Time | Hour | 50 | \$91.39 | \$4,569.50 | 1 | \$4,569.50 | |
| Truck | Day | 5 | \$75.00 | \$375.00 | 1 | \$375.00 | |
| Travel Time | Hour | 15 | \$75.00 | \$1,125.00 | 1 | \$1,125.00 | |
| Total Field Time | | | | | | | \$6,252.28 ✓ |
| Equipment | | | | | | | |
| PID | Day | 4 | \$100.00 | \$400.00 | 1 | \$400.00 | |
| Scale | Day | 4 | \$35.00 | \$140.00 | 1 | \$140.00 | |
| Signage | Day | 4 | \$75.00 | \$300.00 | 1 | \$300.00 | |
| Total Equipment | | | | | | | \$840.00 ✓ |
| PROJECT TOTAL | | | | | | | \$72,184.02 ✓ |

Perrys Corners: Hannibal MO. 725' dia.

| | | | |
|---------------------------|-----|------|--------|
| Mobilization | 1 | 5000 | 5000- |
| Excavate | 725 | 11- | 7975- |
| Haul | 725 | 19- | 13,775 |
| Disposal | 725 | 26- | 18,850 |
| Fill | 505 | 11 | 5555 |
| Gravel | 220 | 17 | 3740 |
| Backfill / Compact | 725 | 6 | 4350 |
| Provide / Install / Final | 1 | 3300 | 3300 |

62,545 ✓

- Excavation to ~ 10'
- Install fabric over fiber optic line & shallower direct contact spots

DKS
 2520 Wilson St
 Merwin, MO 64551
 Mike ~~_____~~ 3-28-18

L&V Skidsteer, LLC

Proposal

Date: 06/04/2018

E8676 595th Ave
Elk Mound, WI 54739
(715)456-8032

Customer Phone: (715)235-9081

Jobsite Location:

604 Wilson Ave
Menomonie, WI 54751

For:

Cedar Corporation
604 Wilson Ave
Menomonie, WI 54751

Comments:

Hannibal jobsite

| Description | Amount | Quantity | Labor | Total |
|--------------------------------------|---------|----------|-------|--------------------|
| Mobilization | 3500.00 | 1.00 | 0 | 3,500.00 |
| Dig Soil | 725.00 | 10.00 | 0 | 7,250.00 |
| Trucking | 725.00 | 21.30 | 0 | 15,442.50 |
| Soil Disposal | 725.00 | 29.00 | 0 | 21,025.00 |
| Backfill Material | 725.00 | 15.30 | 0 | 11,092.50 |
| Place & Compact Backfill Material | 725.00 | 7.40 | 0 | 5,365.00 |
| Provide & Place Stabilization Fabric | 3075.00 | 1.00 | 0 | 3,075.00 |
| Total Estimate: | | | | \$66,750.00 |

Notes:

* Proposal valid for 30 days.

Acceptance of Proposal: The above proposal is hereby accepted. You are authorized to do the work as specified. Payment will be due upon completion unless a down payment is specified above.

Customer Name: _____

Customer Signature: _____

Date: _____

MODERN TRUCKING LLC

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

Cedar Corporation
604 Wilson Ave
Menomonie, WI 54751
% Mitch Evenson

5/29/18

Hannibal Job

| | | | |
|---------------------------|-----|---------|----------|
| Mobilization | 1 | 4200.00 | 4200.00 |
| Dig dirt | 725 | 11.75 | 8518.75 |
| Trucking/Soil disposal | 725 | 48.50 | 35162.50 |
| Fill placed & compacted | 505 | 19.25 | 9721.25 |
| Gravel placed & compacted | 220 | 26.25 | 5775.00 |
| Fabric installed | 1 | 2100.00 | 2100.00 |

Total bid

65477.50

Usual and Customary Standardized Invoice #23

January 2018- June 2018



RR-092a

PECFA #: 54433-9753-97
 BRRTS #: 54433-9753-97
 Site Name: Perry's Corner
 Site Address: N6097 STH 73, Gilman

Vendor Name: Cedar Corporation
 Invoice #: GW pathway Soils removal
 Invoice Date: 6/5/2018
 Check #: Proposal/Estimate

U&C Total \$ 2,141.47
 Variance to U&C Total \$ -
 Grand Total \$ 2,141.47

| 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 | 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 | \$ - | |
| 1 | GW Sampling | | GS30 | Temporary Well Abandonment | Well | \$ 26.99 | \$ - | |
| 2 | O & M Reporting | | OMR05 | Annual GW Monitoring (Form 4400-194) | Report | \$ 823.73 | \$ - | |
| 2 | O & M Reporting | | OMR10 | Annual GW Monitoring (Form 4400-194) with LNAPL Removal per RR-628 | Report | \$ 1,040.45 | \$ - | |
| 3 | LNAPL Assessment & Removal | | LAR05 | Removal Activity (Limited to 12 per site) | Well | \$ 47.67 | \$ - | |
| 3 | LNAPL Assessment & Removal | | LAR06 | LNAPL Sample Collection (1 per site) | Site | \$ 20.58 | \$ - | |
| 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 | \$ - | |
| 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 Property | 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 | \$ 362.25 | \$ - | |
| 8 | Well Abandonment | Commodity | WAB35 | Well Abandonment Mob/Demob | Site | \$ 412.55 | \$ - | |
| 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 | \$ 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 | \$ - | |
| 12 | Direct Push | Commodity | DP70 | GW Sample Collection | Each | \$ 39.27 | \$ - | |
| 12 | Direct Push | Commodity | DP75 | Temporary Well Installation | Ft | \$ 5.25 | \$ - | |

| TASK | TASK DESCRIPTION | SERVICES | ACTIVITY CODE | ACTIVITY REFERENCE CODE DESCRIPTION | UNIT | MAX UNIT COST | UNITS | TOTAL MAX |
|------|--|------------|---------------|--|-----------|---------------|-------|-----------|
| 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 | \$ - | - |
| 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 | \$ - | - |

| TASK | TASK DESCRIPTION | SERVICES | ACTIVITY CODE | ACTIVITY REFERENCE CODE DESCRIPTION | UNIT | MAX UNIT COST | UNITS | TOTAL MAX |
|------|--------------------------------------|------------|---------------|--|----------------------|---------------|--------|-----------|
| 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 | Each | \$ 117.18 | \$ - | |
| 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 | \$ - | |
| 25 | Remediation System Shut Down | | SSD10 | Temporary | Site | \$ 329.28 | \$ - | |
| 25 | Remediation System Shut Down | | SSD15 | Primary Mob/Demob | Site | \$ 473.55 | \$ - | |
| 27 | Claim Submittal | | CS05 | Claim Submittal | Claim | \$ 585.90 | \$ - | |
| 28 | Standardized Invoice | | BS05 | Standardized Invoice | Invoice | \$ 17.64 | \$ - | |
| 29 | Occurrence Classification | | OC05 | Occurrence Classification | Letter/Status Update | \$ 125.37 | \$ - | |
| 30 | Meeting With Regulators | | MR05 | Meeting with Regulators | Meeting | \$ 349.23 | \$ - | |
| 31 | Consultant Overnight Per Diem | | COPD05 | Overnight | Night | \$ 113.72 | \$ - | |
| 32 | Deed Restriction Preparation | | DRP05 | Deed Restriction Preparation | Deed | \$ 178.19 | \$ - | |

| 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 | | 20 | \$ 720.40 |
| 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 |

Variance

Variance

Usual and Customary Standardized Invoice #23

January 2018- July 2018



RR-092A

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 | | \$ - | | | |
| 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 | 20 | \$ 720.40 | \$ 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 \$ 720.40 | | | |