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February 20, 2018

Tom Verstegen
Wisconsin Department of Natural Resources
625 East County Road Y, Suite 700
Oshkosh, WI 54901

Subject: A to Z Sales & Service – Site Investigation cost cap exceedence request #2 (>\$20K). BRRTS #: 03-59-190963, PECFA #: 54416-9999-00

Dear Mr. Verstegen,

A second cost estimate (using Usual & Customary schedule of charges) is being submitted for completion of the site investigation at the subject property located at 100 W. Main Street in Bowler, Wisconsin. This is required due to COMM 47 rule changes (Comm 47.337(2)) which requires WDNR approval to exceed the cap, meaning any costs incurred above \$20,000 after April 30, 2006, will not be eligible for reimbursement unless previously approved.

As of today's date, \$14,517.69 has been spent of the \$40,067 Site Investigation Cap and included: [1] Investigation Workplan [2] Geoprobe Project (21 borings ranging from 11-16 feet bgs with 70 soil samples and 20 groundwater samples collected for field (PID) and/or laboratory analysis (VOC, PAH, PVOC/Naphthalene, and Lead)), [3] Drilling Project with the installation of six monitoring wells ranging from 16-19 feet bgs, [4] Survey, [5] Conducted one round of groundwater monitoring, [6] Hydraulic Conductivity Testing, and [7] Waste Disposal.

The proposed workscope to complete the site investigation includes: Drilling Project with the installation of two additional monitoring wells to approximately 19 feet bgs (please note that bedrock may vary from 11 to 19+ feet bgs and was not encountered during drilling project #1) with soil samples collected for field (PID) analysis, two rounds of groundwater monitoring from all eight site monitoring wells (6 already approved for Round 2) for laboratory analysis (VOC/PVOC+ Naphthalene), surveying, waste disposal, and completion of the Soil and Groundwater Investigation Report (cost already approved). The cost estimate for the proposed workscope is as follows:

Access Agreements	\$ 401.94
Drilling Project	\$4,199.05
Groundwater Monitoring (2 add. wells/Rd 2 & 8 wells/Rd 3)	\$1,352.61
Laboratory Analysis	\$ 488.94
Surveying	\$ 220.30
Investigative Waste Disposal	\$ 899.54
Soil and Groundwater Investigation Report	(already approved)
Change Order Request	<u>\$ 381.78</u>
Total	\$7,944.16

METCO is requesting a second cost cap exceedence in the amount of \$7,944.16. This will bring the total site investigation costs to \$48,011.16.

Upon state approval of the proposed workscope and budget, METCO will proceed with the site investigation.

Attached are an updated site layout map with proposed monitoring well locations, groundwater flow map from Round 1 sampling, groundwater data tables, and draft standardized invoice form for the above workscope as required. Please note that you can also see the Geoprobe soil & groundwater results that were included in the previous cost cap requested dated 8/3/17.

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

Sincerely,



Jason T. Powell
Staff Scientist

Attachments

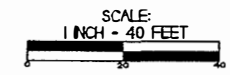
c: Kerry Breitrick – Village of Bowler

SITE LAYOUT MAP

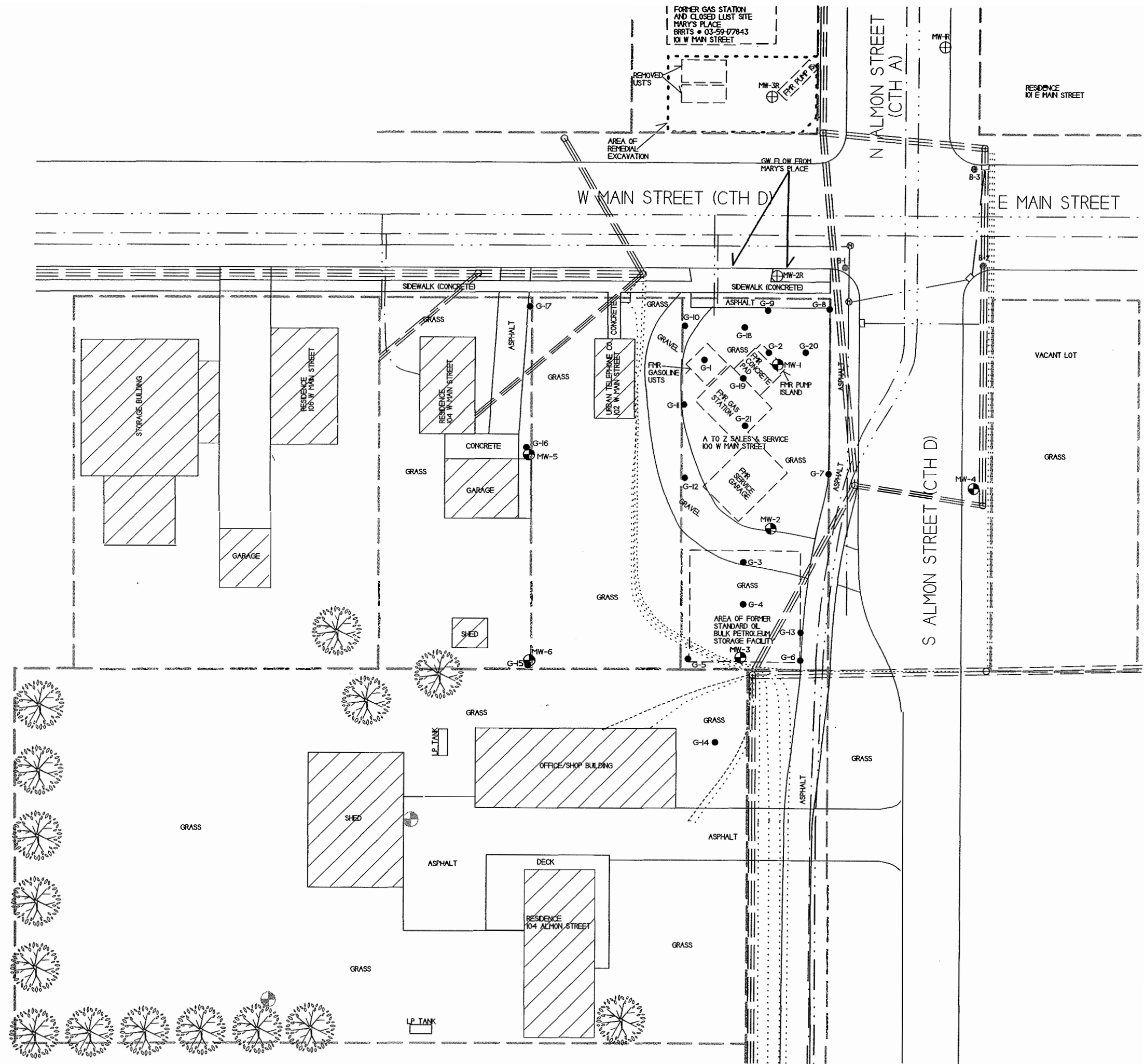
A TO Z SALES & SERVICE

<p style="font-size: 8px;">109 Orange St. Suite 2 La Crosse, WI 54601 Tel: (608) 781-8572 Fax: (608) 781-8551</p>	<p style="font-size: 8px;">BOWLER WISCONSIN</p> <p style="font-size: 8px;">DRAWN BY: ED DATED: 8/20/18 CHECKED BY: FR DATED: 8/20/18</p>
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NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.



- PROPERTY BOUNDARY** [Symbol]
- WATER LINE** [Symbol]
- SANITARY SEWER LINE** [Symbol]
- STORM SEWER LINE** [Symbol]
- FIBER OPTIC LINE** [Symbol]
- TELEPHONE/CABLE LINE** [Symbol]
- BURIED ELECTRICAL** [Symbol]
- OVERHEAD UTILITIES** [Symbol]
-
- - UTILITY POLE
- ⊕ - MANHOLE
- ⊗ - SOIL BORING LOCATION (DOT PHASE 2)
- ⊕ - FORMER MONITORING WELL LOCATION - MARY'S PLACE
- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊕ - PROPOSED MONITORING WELL LOCATION



GROUNDWATER FLOW MAP (1/30/18)

A TO Z SALES & SERVICE

METCO
709 Gillette St. Suite 3
La Crosse, WI 54601
Tel: (608) 781-6879
Fax: (608) 781-8893

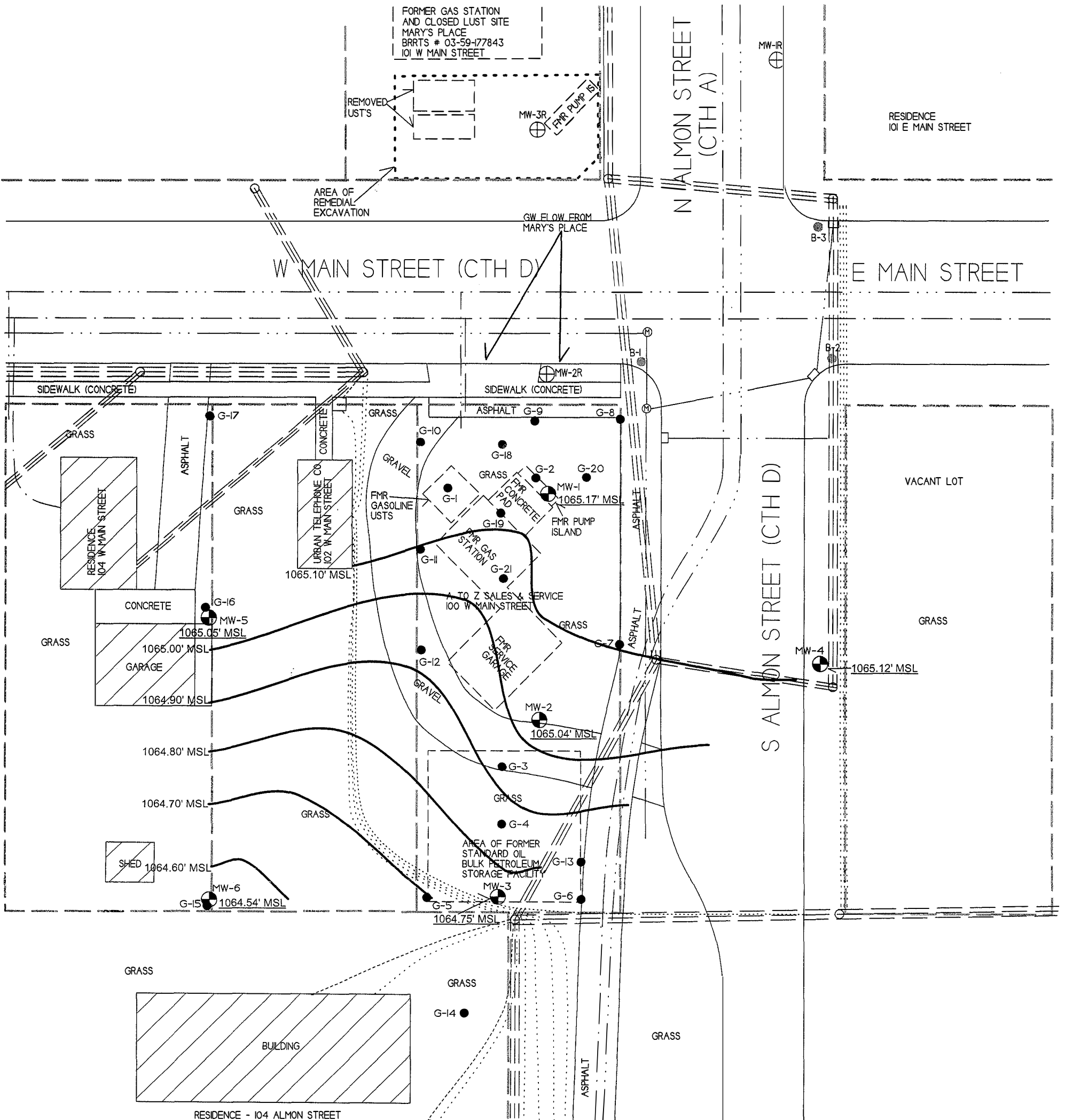
BOWLER, WISCONSIN
DRAWN BY: ED DATE: 12/20/16
MODIFIED BY: MH DATE: 6/21/17

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

SCALE:
1 INCH = 30 FEET

- PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- FIBER OPTIC LINE
- TELEPHONE/CABLE LINE
- BURIED ELECTRICAL
- OVERHEAD UTILITIES

- - UTILITY POLE
- ⊕ - MANHOLE
- ⊙ - SOIL BORING LOCATION (DOT PHASE 2)
- ⊕ - FORMER MONITORING WELL LOCATION - MARY'S PLACE
- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION



A.1 Groundwater Analytical Table
A to Z Sales & Service – LGU BRRTS #03-59-190963

Well MW-1

PVC Elevation = 1077.48 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
01/30/18	1065.17	12.31	9.9	4900	4100	<56	880	30600	3150	19000
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-2

PVC Elevation = 1078.86 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
01/30/18	1065.04	13.82	5.2	810	1710	<14	305	4400	2400	7850
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-3

PVC Elevation = 1080.07 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
01/30/18	1064.75	15.32	<0.9	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
A to Z Sales & Service – LGU BRRTS #03-59-190963

Well MW-4

PVC Elevation = 1078.08 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
01/30/18	1065.12	12.96	<0.9	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-5

PVC Elevation = 1075.64 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
01/30/18	1065.06	10.58	1.3	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-6

PVC Elevation = 1078.23 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
01/30/18	1064.54	13.69	<0.9	770	1240	<14	258	1730	779	3690
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
(PAH)
A to Z Sales & Service – LGU BRRTS #03-59-190963

Well MW-1

Date	Acenaphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
1/30/2018	<1.60	<1.80	<1.80	<3.40	<3.40	<4.00	<2.20	<2.80	<3.80	<2.00	<6.20	<2.20	<2.40	95.0	134	540	<5.00	<6.00
ENFORCEMENT STANDARD = ES – Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = <i>PAL – Italics</i>			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	10	-	50

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

Well MW-2

Date	Acenaphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
1/30/2018	0.62	<0.45	0.56	<0.85	<0.85	<1.00	<0.55	<0.70	<0.95	<0.50	<1.55	<0.55	<0.60	49.0	87.0	230	1.37	<1.50
ENFORCEMENT STANDARD = ES – Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = <i>PAL – Italics</i>			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	10	-	50

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

Well MW-3

Date	Acenaphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
1/30/2018	<0.008	<0.009	<0.009	<0.017	<0.017	<0.02	<0.011	<0.014	<0.019	<0.01	<0.031	<0.011	<0.012	<0.012	<0.013	0.0254	<0.025	<0.03
ENFORCEMENT STANDARD = ES – Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = <i>PAL – Italics</i>			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	10	-	50

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table

(PAH)

A to Z Sales & Service – LGU BRRTS #03-59-190963

Well MW-4

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
1/30/2018	<0.008	<0.009	<0.009	<0.017	<0.017	<0.02	<0.011	<0.014	<0.019	<0.01	<0.031	<0.011	<0.012	<0.012	<0.013	<0.023	<0.025	<0.03
ENFORCE MENT STANDARD = ES – Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	10	-	50

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-5

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
1/30/2018	<0.008	<0.009	<0.009	<0.017	<0.017	<0.02	<0.011	<0.014	<0.019	<0.01	<0.031	<0.011	<0.012	<0.012	<0.013	0.0313	<0.025	<0.03
ENFORCE MENT STANDARD = ES – Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	10	-	50

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-6

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
1/30/2018	<0.20	<0.225	0.225	<0.425	<0.425	<0.50	<0.275	<0.35	<0.475	<0.25	<0.775	<0.275	<0.30	13.4	10.7	98.0	<0.625	<0.75
ENFORCE MENT STANDARD = ES – Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	10	-	50

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
A to Z Sales & Service – LGU BRRTS #03-59-190963

Well Sampling Conducted on: 01/30/18 01/30/18 01/30/18 01/30/18 01/30/18 01/30/18

VOC's Well Name	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	ENFORCE MENT STANDARD = ES – Bold		PREVENTIVE ACTION LIMIT = PAL - <i>Italics</i>	
Lead, dissolved/ppb	9.9	5.2	< 0.9	< 0.9	1.3	< 0.9	15	<i>1.5</i>		
Benzene/ppb	4900	810	< 0.22	< 0.22	< 0.22	770	5	<i>0.5</i>		
Bromobenzene/ppb	< 88	< 22	< 0.44	< 0.44	< 0.44	< 22	==	==		
Bromodichloromethane/ppb	< 66	< 16.5	< 0.33	< 0.33	< 0.33	< 16.5	0.6	<i>0.06</i>		
Bromoform/ppb	< 90	< 22.5	< 0.45	< 0.45	< 0.45	< 22.5	4.4	<i>0.44</i>		
tert-Butylbenzene/ppb	< 50	< 12.5	< 0.25	< 0.25	< 0.25	< 12.5	==	==		
sec-Butylbenzene/ppb	< 158	< 39.5	< 0.79	< 0.79	< 0.79	< 39.5	==	==		
n-Butylbenzene/ppb	< 142	46 "J"	< 0.71	< 0.71	< 0.71	< 35.5	==	==		
Carbon Tetrachloride/ppb	< 62	< 15.5	< 0.31	< 0.31	< 0.31	< 15.5	5	<i>0.5</i>		
Chlorobenzene/ppb	< 52	< 13	< 0.26	< 0.26	< 0.26	< 13	==	==		
Chloroethane/ppb	< 122	< 30.5	< 0.61	< 0.61	< 0.61	< 30.5	400	<i>80</i>		
Chloroform/ppb	< 52	< 13	< 0.26	< 0.26	< 0.26	< 13	6	<i>0.6</i>		
Chloromethane/ppb	< 108	< 27	< 0.54	< 0.54	< 0.54	< 27	30	<i>3</i>		
2-Chlorotoluene/ppb	< 62	< 15.5	< 0.31	< 0.31	< 0.31	< 15.5	==	==		
4-Chlorotoluene/ppb	< 52	< 13	< 0.26	< 0.26	< 0.26	< 13	==	==		
1,2-Dibromo-3-chloropropane/ppb	< 592	< 148	< 2.96	< 2.96	< 2.96	< 148	0.2	<i>0.02</i>		
Dibromochloromethane/ppb	< 44	< 11	< 0.22	< 0.22	< 0.22	< 11	60	<i>6</i>		
1,4-Dichlorobenzene/ppb	< 140	< 35	< 0.7	< 0.7	< 0.7	< 35	75	<i>15</i>		
1,3-Dichlorobenzene/ppb	< 170	< 42.5	< 0.85	< 0.85	< 0.85	< 42.5	600	<i>120</i>		
1,2-Dichlorobenzene/ppb	< 172	< 43	< 0.86	< 0.86	< 0.86	< 43	600	<i>60</i>		
Dichlorodifluoromethane/ppb	< 64	< 16	< 0.32	< 0.32	< 0.32	< 16	1000	<i>200</i>		
1,2-Dichloroethane/ppb	< 50	< 12.5	< 0.25	< 0.25	< 0.25	< 12.5	5	<i>0.5</i>		
1,1-Dichloroethane/ppb	< 72	< 18	< 0.36	< 0.36	< 0.36	< 18	850	<i>85</i>		
1,1-Dichloroethene/ppb	< 84	< 21	< 0.42	< 0.42	< 0.42	< 21	7	<i>0.7</i>		
cis-1,2-Dichloroethene/ppb	< 74	< 18.5	< 0.37	< 0.37	< 0.37	< 18.5	70	<i>7</i>		
trans-1,2-Dichloroethene/ppb	< 68	< 17	< 0.34	< 0.34	< 0.34	< 17	100	<i>20</i>		
1,2-Dichloropropane/ppb	< 88	< 22	< 0.44	< 0.44	< 0.44	< 22	5	<i>0.5</i>		
1,3-Dichloropropane/ppb	< 60	< 15	< 0.3	< 0.3	< 0.3	< 15	==	==		
trans-1,3-Dichloropropene/ppm	< 64	< 16	< 0.32	< 0.32	< 0.32	< 16				
cis-1,3-Dichloropropene/ppm	< 52	< 13	< 0.26	< 0.26	< 0.26	< 13	0.4	<i>0.04</i>		
Di-isopropyl ether/ppb	< 42	< 10.5	< 0.21	< 0.21	< 0.21	< 10.5	==	==		
EDB (1,2-Dibromoethane)/ppb	< 68	< 17	< 0.34	< 0.34	< 0.34	< 17	0.05	<i>0.005</i>		
Ethylbenzene/ppb	4100	1710	< 0.26	< 0.26	< 0.26	1240	700	<i>140</i>		
Hexachlorobutadiene/ppb	< 268	< 67	< 1.34	< 1.34	< 1.34	< 67	==	==		
Isopropylbenzene/ppb	< 156	72 "J"	< 0.78	< 0.78	< 0.78	44 "J"	==	==		
p-Isopropyltoluene/ppb	< 48	< 12	< 0.24	< 0.24	< 0.24	< 12	==	==		
Methylene chloride/ppb	< 264	< 66	< 1.32	< 1.32	< 1.32	< 66	5	<i>0.5</i>		
Methyl tert-butyl ether (MTBE)/ppb	< 56	< 14	< 0.28	< 0.28	< 0.28	< 14	60	<i>12</i>		
Naphthalene/ppb	880 "J"	305 "J"	< 2.1	< 2.1	< 2.1	258 "J"	100	<i>10</i>		
n-Propylbenzene/ppb	330 "J"	236	< 0.61	< 0.61	< 0.61	124	==	==		
1,1,1,2-Tetrachloroethane/ppb	< 60	< 15	< 0.3	< 0.3	< 0.3	< 15	0.2	<i>0.02</i>		
1,1,1,2-Tetrachloroethane/ppb	< 70	< 17.5	< 0.35	< 0.35	< 0.35	< 17.5	70	<i>7</i>		
Tetrachloroethene (PCE)/ppb	< 76	< 19	< 0.38	< 0.38	< 0.38	< 19	5	<i>0.5</i>		
Toluene/ppb	30600	4400	< 0.19	< 0.19	< 0.19	1730	800	<i>160</i>		
1,2,4-Trichlorobenzene/ppb	< 230	< 57.5	< 1.15	< 1.15	< 1.15	< 57.5	70	<i>14</i>		
1,2,3-Trichlorobenzene/ppb	< 342	< 85.5	< 1.71	< 1.71	< 1.71	< 85.5	==	==		
1,1,1-Trichloroethane/ppb	< 66	< 16.5	< 0.33	< 0.33	< 0.33	< 16.5	200	<i>40</i>		
1,1,2-Trichloroethane/ppb	< 84	< 21	< 0.42	< 0.42	< 0.42	< 21	5	<i>0.5</i>		
Trichloroethene (TCE)/ppb	< 60	< 15	< 0.3	< 0.3	< 0.3	< 15	5	<i>0.5</i>		
Trichlorofluoromethane/ppb	< 70	< 17.5	< 0.35	< 0.35	< 0.35	< 17.5	==	==		
1,2,4-Trimethylbenzene/ppb	2530	1880	< 0.8	< 0.8	< 0.8	590				
1,3,5-Trimethylbenzene/ppb	620	520	< 0.63	< 0.63	< 0.63	189				
Vinyl Chloride/ppb	< 40	< 10	< 0.2	< 0.2	< 0.2	< 10	Total TMB's 480	<i>Total TMB's 96</i>		
m&p-Xylene/ppb	13200	5700	< 0.43	< 0.43	< 0.43	2550	0.2	<i>0.02</i>		
o-Xylene/ppb	5800	2150	< 0.29	< 0.29	< 0.29	1140	Total Xylenes 2000	<i>Total Xylenes 400</i>		

NS = not sampled, NM = Not Measured
Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.
= = No Exceedences
(ppb) = parts per billion
(ppm) = parts per million
"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

A.6 Water Level Elevations
A to Z Sales & Service – LGU BRRTS #03-59-190963
Bowler, Wisconsin

	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
Ground Surface (feet msl)	1077.95	1079.26	1080.47	1078.55	1076.12	1078.76
PVC top (feet msl)	1077.48	1078.86	1080.07	1078.08	1075.64	1078.23
Well Depth (feet)	17.00	19.00	19.00	17.00	16.00	19.00
Top of screen (feet msl)	1070.95	1070.26	1071.47	1071.55	1070.12	1069.76
Bottom of screen (feet msl)	1060.95	1060.26	1061.47	1061.55	1060.12	1059.76

Depth to Water From Top of PVC (feet)

01/30/18	12.31	13.82	15.32	12.96	10.58	13.69
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Depth to Water From Ground Surface (feet)

01/30/18	12.78	14.22	15.72	13.43	11.06	14.22
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Groundwater Elevation (feet msl)

01/30/18	1065.17	1065.04	1064.75	1065.12	1065.06	1064.54
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CNL = Could Not Locate

A = Abandoned and removed during soil excavation project

NI = Not Installed

A.7 Other

Groundwater NA Indicator Results

A to Z Sales & Service – LGU BRRTS #03-59-190963

Well MW-1

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
01/30/18	0.33	6.60	-94.5	9.48	1469	<0.36	10.2	51.1	4790
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-2

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
01/30/18	0.86	6.74	-102.5	9.41	1483	<0.36	4.26	26.6	2570
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-3

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
01/30/18	1.12	7.08	46.3	9.40	1073	0.39	14.0	0.29	390
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-4

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
01/30/18	2.45	7.06	181.4	9.00	479	0.56	9.33	0.57	90.2
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

A.7 Other

Groundwater NA Indicator Results

A to Z Sales & Service – LGU BRRTS #03-59-190963

Well MW-5

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
01/30/18	3.02	7.01	188.4	8.50	342	2.32	12.5	0.14	43
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						<i>2</i>	-	-	<i>60</i>

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled

nm = not measured

ORP = Oxidation Reduction Potential

Note: Elevations are presented in feet mean sea level (msl).

Well MW-6

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
01/30/18	3.65	6.78	-120.0	9.44	844	0.45	5.64	2.01	1480
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						<i>2</i>	-	-	<i>60</i>

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled

nm = not measured

ORP = Oxidation Reduction Potential

Note: Elevations are presented in feet mean sea level (msl).

Usual and Customary Standardized Invoice #23 January 2018- July 2018



RR-092a

PECFA #: 54416-9999-00-A
 BRRTS #: 03-59-190963
 Site Name: A to Z Sale & Service
 Site Address: 100 W. Main Street
Bowler, WI

Vendor Name: _____
 Invoice #: _____
 Invoice Date: _____
 Check #: _____

U&C Total \$ 7,944.16
 Variance to U&C Total \$ -
 Grand Total \$ 7,944.16

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	10	\$ 724.50
1	GW Sampling		GS25	Primary Mob/Demob	Site	\$ 628.11	1	\$ 628.11
4	Waste Disposal	Consultant	WD05	Consultant Coordination	Site	\$ 137.13	1	\$ 137.13
4	Waste Disposal	Commodity	WD10	GW Sample and/or Purge	Drum	\$ 42.11	1	\$ 42.11
4	Waste Disposal	Commodity	WD15	Drill Cuttings	Drum	\$ 108.15	4	\$ 432.60
4	Waste Disposal	Commodity	WD25	Primary Mob/Demob	Site	\$ 287.70	1	\$ 287.70
10	Initial Site Survey	Consultant	IS10	Subsequent Surveys	Well	\$ 110.15	2	\$ 220.30
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR05	0 - 25 ft bgs	Ft	\$ 5.40	40	\$ 216.00
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR20	Primary Mob/Demob	Site	\$ 593.04	1	\$ 593.04
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR45	0 - 25 ft bgs	Ft	\$ 16.70	40	\$ 668.00
14	Monitoring Well Installation	Consultant	MWI05	0 - 25 ft bgs	Ft	\$ 3.89	38	\$ 147.82
14	Monitoring Well Installation	Commodity	MWI15	2 inch PVC Casing	Ft	\$ 16.70	38	\$ 634.60
14	Monitoring Well Installation	Commodity	MWI20	Well Development	Well	\$ 147.63	2	\$ 295.26
15	Misc. Drilling Activities & Supplies		MDT05	Drill Rig Mob/Demob	Mob/Demob	\$ 963.38	1	\$ 963.38
15	Misc. Drilling Activities & Supplies		MDT10	Well Cover/flushmount	Each	\$ 202.65	2	\$ 405.30
15	Misc. Drilling Activities & Supplies		MDT21	Drum, 55 gal. DOT steel	Each	\$ 55.13	5	\$ 275.65
21	Access Agreements		AA05	Access Agreements	Property	\$ 401.94	1	\$ 401.94
33	Schedule Of Laboratory Maximums	Commodity		Laboratory (see task 33 total on Lab Schedule)	Lab Schedule		12	\$ 488.94
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



TOTAL LAB CHARGES \$ 488.94 TASK 33 12 \$ 488.94 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	9	\$ 273.15			
WATER	W5	VOC	SAMPLE	\$ 71.93	3	\$ 215.79			
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		\$ -	MAX COST	SAMPLES	TOTAL
SOILS	S2	DRO	SAMPLE	\$ 30.35		\$ -	\$ 24.78		\$ -
SOILS	S3	GRO/PVOC	SAMPLE	\$ 28.14		\$ -	\$ 30.35		\$ -
SOILS	S4	PVOC	SAMPLE	\$ 25.83		\$ -	\$ 28.14		\$ -
SOILS	S5	PVOC + 1,2 DCA + Naphthalene	SAMPLE	\$ 49.46		\$ -	\$ 25.83		\$ -
SOILS	S6	PVOC + Naphthalene	SAMPLE	\$ 36.02		\$ -	\$ 49.46		\$ -
SOILS	S7	VOC	SAMPLE	\$ 71.93		\$ -	\$ 36.02		\$ -
SOILS	S8	SPLP Extraction VOC only	SAMPLE	\$ 50.61		\$ -	\$ 71.93		\$ -
SOILS	S9	PAH	SAMPLE	\$ 72.98		\$ -	\$ 50.61		\$ -
SOILS	S10	Lead	SAMPLE	\$ 12.39		\$ -	\$ 72.98		\$ -
SOILS	S11	Cadmium	SAMPLE	\$ 14.60		\$ -	\$ 12.39		\$ -
SOILS	S12	Free Liquid	SAMPLE	\$ 11.24		\$ -	TASK 24 TOTAL \$ -		
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		\$ -			
LNAPL	LFPS01	Viscosity + Density Interfacial tension I (LNAPL/water [dyne/cm]) Interfacial tension II (LNAPL/air [dyne/cm]) Interfacial tension III (water/air [dyne/cm])	SAMPLE	\$ 561.33		\$ -			
						TASK 33 TOTAL \$ 488.94			