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October 3, 2019

BRRTS #: 03-59-190963
PECFA #: 54416-9999-00

Tom Verstegen
Wisconsin Department of Natural Resources
625 E County Road Y
Oshkosh, WI 54901

Subject: A to Z Sales and Service – Letter Report

Dear Mr. Verstegen,

Enclosed is the report for the A to Z Sales and Service site located in Bowler, Wisconsin.
This is the 1st of 2 Reports of the Bidding Deferred work scope approved January 31, 2019.

Excavation Project

On June 23 - 25, 2019, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 1,078.27 tons of contaminated soil was excavated and hauled to the Advanced Disposal - Cranberry Creek Landfill in Wisconsin Rapids, Wisconsin. The excavation was conducted in two areas, one was in the area of the removed UST's and consisted of an irregular shaped area measuring up to 54 feet long by 35 feet wide, and 16 feet deep. The second area consisted of a square shape measuring 20 feet long by 20 feet wide and 4 feet deep. From the first excavation area, eight soil samples were collected from the sidewalls at 3 and 9 feet bgs and one sample was collected from the bottom at 16 feet bgs for PVOC and Naphthalene analysis. Four soil samples were collected from the side walls of the second excavation at 3 feet bgs for PAH analysis.

Drilling Project

On July 30, 2019, Geiss Soil and Samples LLC of Merrill, Wisconsin, installed two monitoring wells (MW-1R and MW-7) under the direction and supervision of METCO personnel. Monitoring well MW-1R was blind drilled and installed to 17 feet bgs and monitoring well MW-7 well was installed to 20 feet bgs. During the installation of MW-7, five soil samples were collected for geologic description and PID analysis of which one was submitted for laboratory analysis (GRO, PVOC and Naphthalene). Upon completion, the monitoring wells were properly developed.

Groundwater Monitoring Workslope

On August 27, 2019, METCO personnel collected groundwater samples from seven monitoring wells (MW-1R, MW-2, MW-3, MW-4, MW-5, MW-6 and MW-7) for field and laboratory analysis. Monitoring well MW-7 was analyzed for Dissolved Lead and VOCs. The remainder of the monitoring wells were analyzed for PVOC, Naphthalene, and Dissolved Lead. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. During the groundwater sampling event, the new monitoring wells (MW-1R and MW-7) were surveyed to feet mean sea level (msl) by METCO personnel.

Investigative Waste Disposal

On August 28, 2019, DKS Transport Services, LLC of Menomonie, Wisconsin picked up and disposed of two drum of soil cuttings at the Advanced Disposal – Seven Mile Creek Landfill in Eau Claire, Wisconsin.

Discussion of Soil Results

Soil Sample EX-1: Collected at a depth of 3 feet bgs, showed no detects for PVOC and Naphthalene.

Soil Sample EX-2: Collected at a depth of 9 feet bgs, showed detects but no exceedances for PVOC and Naphthalene.

Soil Sample EX-3: Collected at a depth 3 feet bgs, showed no detects for PVOC and Naphthalene.

Soil Sample EX-4: Collected at a depth of 9 feet bgs showed no detects for PVOC and Naphthalene.

Soil Sample EX-5: Collected at a depth of 3 feet bgs showed no detects for PVOC and Naphthalene.

Soil Sample EX-6: Collected at a depth of 3 feet bgs showed no detects for PVOC and Naphthalene.

Soil Sample EX-7: Collected at a depth of 9 feet bgs showed NR720 Groundwater RCL exceedances for Benzene (0.79 ppm), Ethylbenzene (15.8 ppm), Naphthalene (7.7 ppm), Toluene (13.4 ppm), Trimethylbenzenes (66 ppm) and Xylene (81.3 ppm).

Soil Sample EX-8: Collected at a depth of 16 feet bgs showed NR720 Groundwater RCL exceedances for Benzene (0.68 ppm) and Toluene (5.3 ppm).

Soil Sample EX-9: Collected at a depth of 9 feet bgs showed NR720 Groundwater RCL exceedances for Benzene (1.03 ppm), Ethylbenzene (12.4 ppm), Naphthalene (7.7 ppm), Toluene (6.0 ppm), Trimethylbenzenes (60.1 ppm) and Xylene (60.9 ppm).

Soil Sample EX-10: Collected at a depth of 3 feet bgs showed no detects for PAH's.

Soil Sample EX-11: Collected at a depth of 3 feet bgs showed no detects for PAH's

Soil Sample EX-12: Collected at a depth of 3 feet bgs showed no detects for PAH's

Soil Sample EX-13: Collected at a depth of 3 feet bgs showed no detects for PAH's

Soil Sample MW-7-4: Collected at a depth of 14 feet bgs showed no detects for GRO, PVOC, and Naphthalene.

Discussion of Groundwater Results

Monitoring Well MW-1R: Currently shows NR140 Enforcement Standard (ES) exceedances for Lead (39.2 ppb) Benzene (3,500 ppb), Ethylbenzene (5,800 ppb), Naphthalene (560 ppb), Toluene (41,000 ppb), Trimethylbenzenes (4,000 ppb) and Xylene (24,900 ppb).

Monitoring Well MW-2: Currently shows NR140 Preventive Action Limit (PAL) exceedances for Lead (7.4 ppb) and Benzene (4.4 ppb).

Monitoring Well MW-3: Currently shows detects but no exceedances for PVOC and Naphthalene.

Monitoring Well MW-4: Currently shows no detects or Dissolved Lead, PVOC and Naphthalene.

Monitoring Well MW-5: Currently shows NR140 ES exceedances for Benzene (370 ppb), Naphthalene (115 ppb), Toluene (1,550 ppb) and Trimethylbenzenes (525 ppb) and NR140 PAL exceedances for Ethylbenzene (530 ppb) and Xylene (1,480 ppb).

Monitoring Well MW-6: Currently shows NR140 ES exceedances for Benzene (630 ppb), Ethylbenzene (1,710 ppb), Naphthalene (292 ppb), Toluene (6,200 ppb), Trimethylbenzenes (1,710 ppb), and Xylene (7,840 ppb).

Monitoring Well MW-7: Currently shows a NR140 PAL exceedance for Benzene (0.88 ppb).

Conclusion/Recommendation

The next post excavation groundwater sampling event (2 of 3) and sub slab vapor sampling is scheduled for mid November.

An Updated Detailed Site Map, Groundwater Flow Direction Map, Soil Contamination Map, Groundwater Isoconcentration Map, Data Tables, Waste Disposal Documents, Drilling Documents, and Laboratory Documents have been attached.

If you have any questions or comments please feel free to call (608-781-8879) or email at jasonp@metcohq.com.

Sincerely,

A handwritten signature in black ink that reads "Jason T. Powell". The signature is fluid and cursive, with a long horizontal stroke at the beginning.

Jason T. Powell
Staff Scientist

Attachments

c: Kerry Breitrick – Village of Bowler

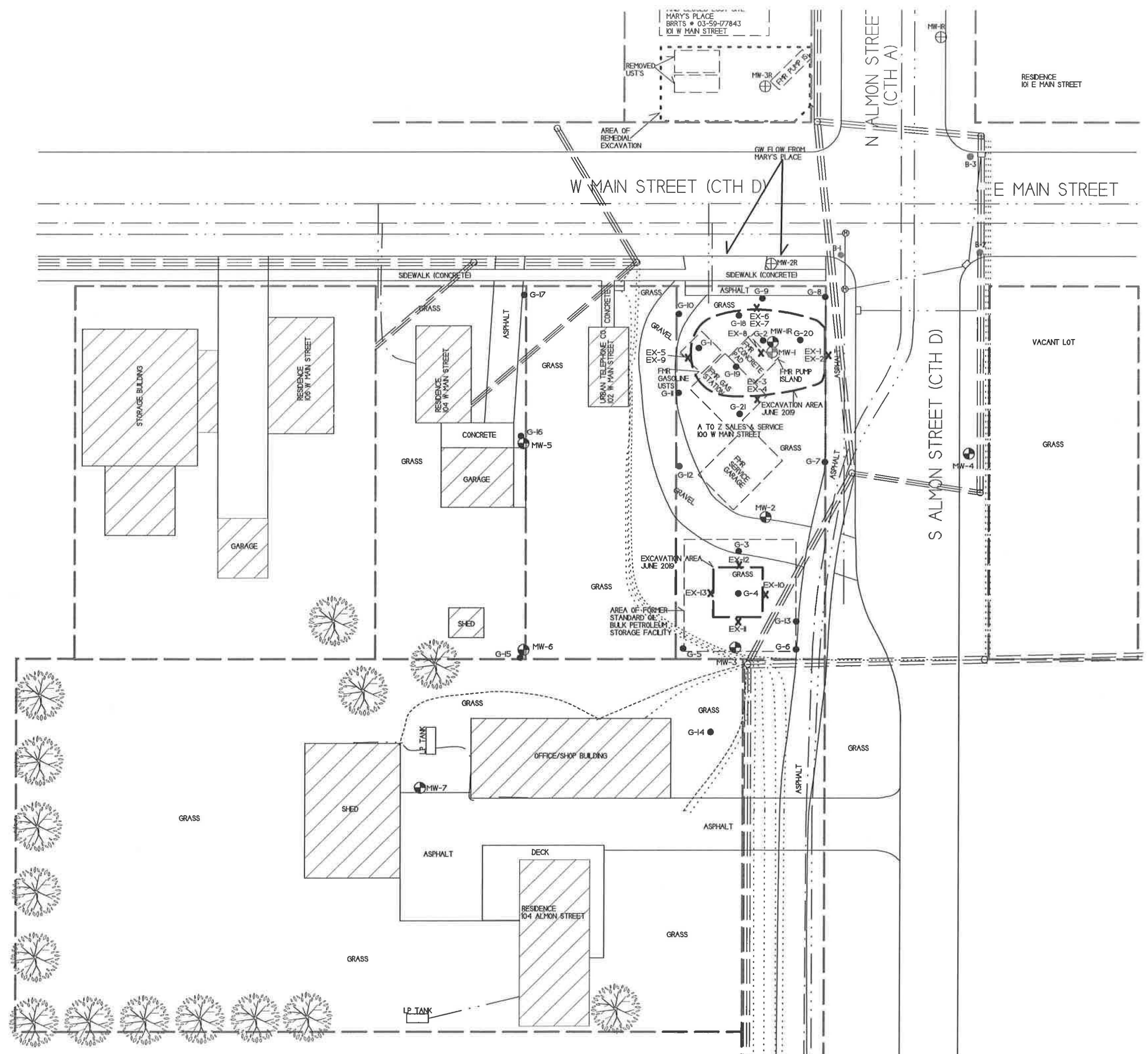
SITE LAYOUT MAP

A TO Z SALES & SERVICE

METCC
100 Columbia St, Suite 100
Bowlerville, IL 62513
Tel: 618/233-8275
Fax: 618/233-8275

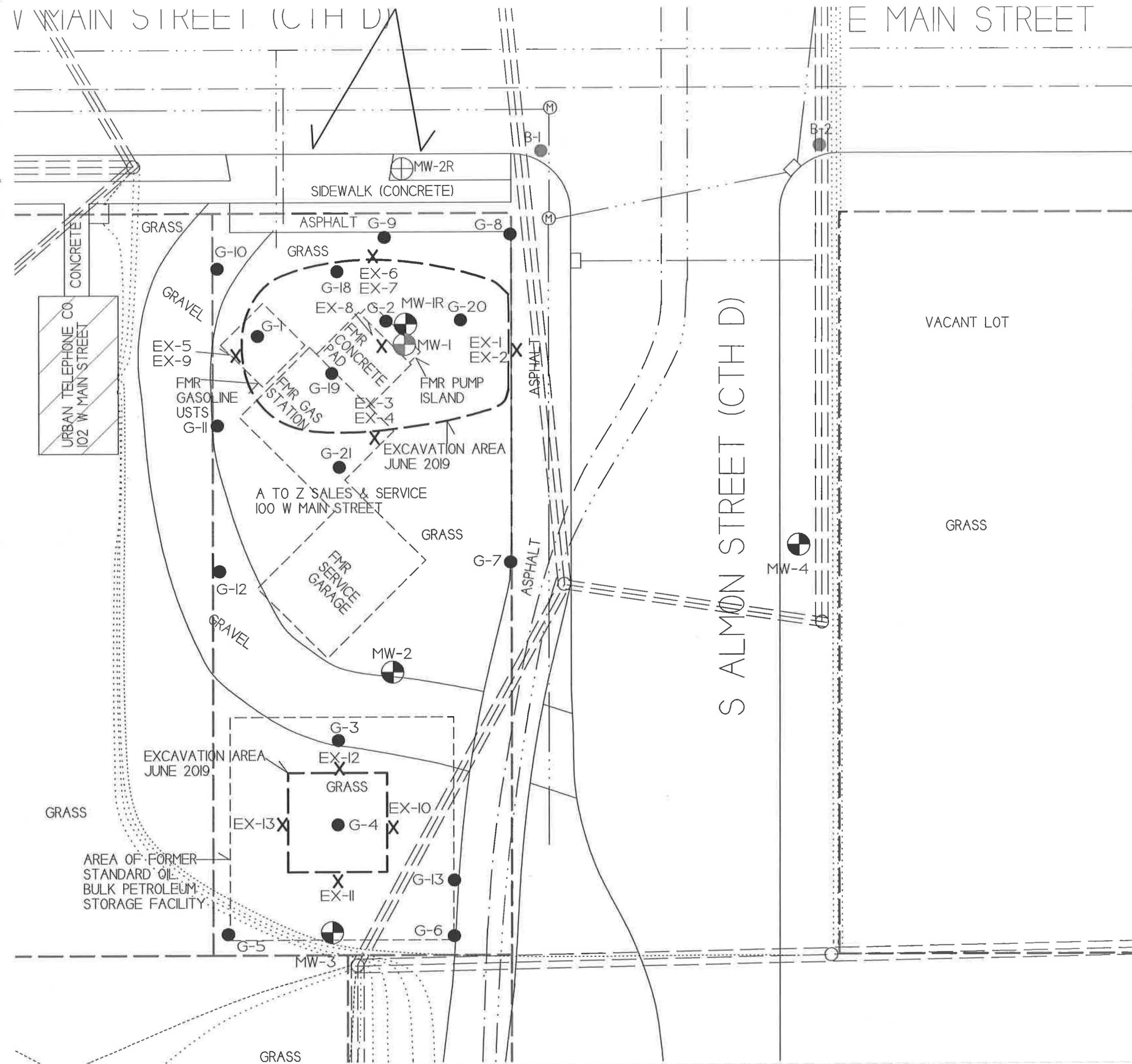
BOWLER, WISCONSIN
DRAWN BY: ED DATE: 8/20/14
PROJECT BY: HJ DATE: 8/25/07

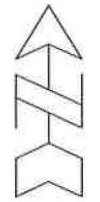

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.



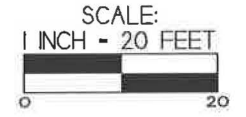
- PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- FIBER OPTIC LINE
- TELEPHONE/CABLE LINE
- BURIED ELECTRICAL
- OVERHEAD UTILITIES
- NATURAL GAS LINE

- - UTILITY POLE
- ⊕ - MANHOLE
- - SOL BORING LOCATION (DOT PHASE 2)
- ⊕ - FORMER MONITORING WELL LOCATION - MARY'S PLACE
- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ✕ - EXCAVATION CONFIRMATION SAMPLE LOCATION



SOIL EXCAVATION MAP		
A TO Z SALES & SERVICE		
 <small>Excellence through experience</small>	<small>709 Gillette St. Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893</small>	BOWLER, WISCONSIN <small>DRAWN BY: ED DATE: 12/20/16 MODIFIED BY: MM DATE: 6/21/17</small>

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER



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

- - UTILITY POLE
- Ⓜ - MANHOLE
- - SOIL BORING LOCATION (DOT PHASE 2)
- ⊕ - FORMER MONITORING WELL LOCATION - MARY'S PLACE
- - GEOPROBE BORING LOCATION
- ⊗ - MONITORING WELL LOCATION
- ✕ - EXCAVATION CONFIRMATION SAMPLE LOCATION

GROUNDWATER FLOW MAP (8/27/19)

A TO Z SALES & SERVICE

METCC

BOWLER, WISCONSIN

DATE: 8/27/19

DRAWN BY: PFT

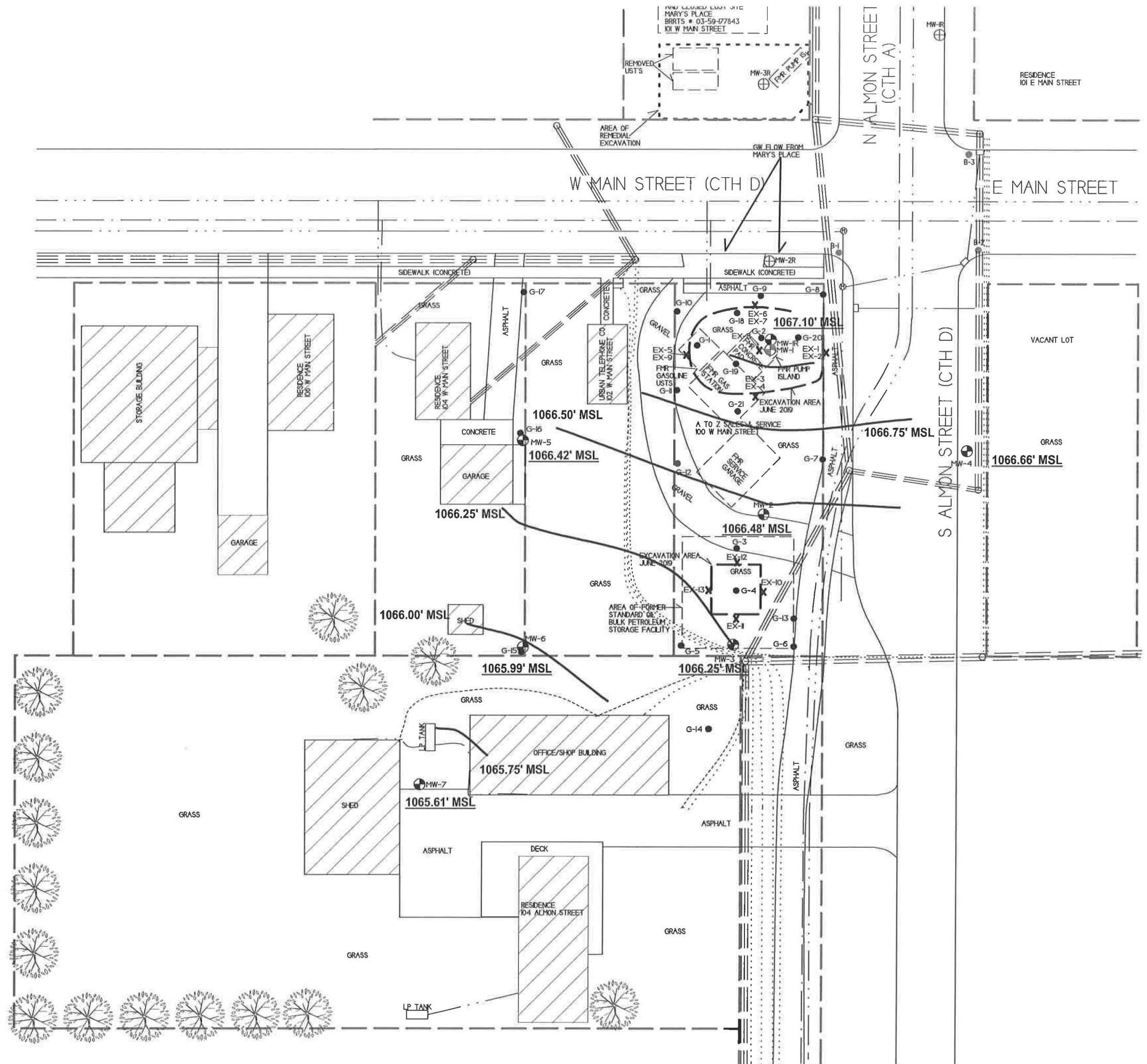
REVISIONS:

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.



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

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


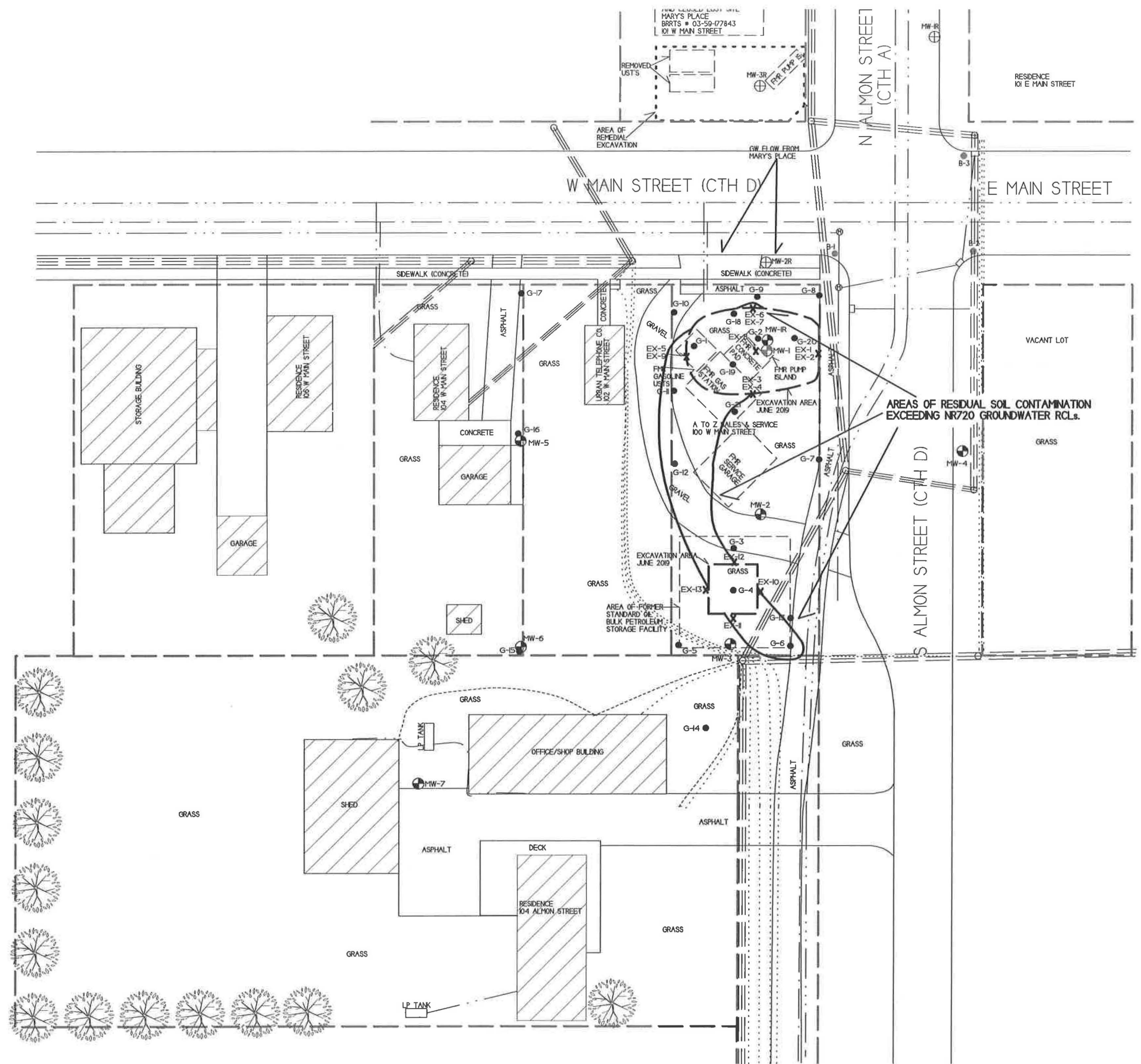


SOIL CONTAMINATION MAP
A TO Z SALES & SERVICE

METCO
BOWLER, WISCONSIN
DRAWN BY: BJS DATE: 8/25/19
PROJECT BY: EAT DATE: 8/20/19

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.

SCALE:
1 INCH = 40 FEET

- PROPERTY BOUNDARY
WATER LINE
SANITARY SEWER LINE
STORM SEWER LINE
FIBER OPTIC LINE
TELEPHONE/CABLE LINE
BURIED ELECTRICAL
OVERHEAD UTILITIES
NATURAL GAS LINE
- - UTILITY POLE
⊕ - MANHOLE
● - SOIL BORING LOCATION (DOT PHASE 2)
⊕ - FORMER MONITORING WELL LOCATION - MARY'S PLACE
● - GEOPROBE BORING LOCATION
⊕ - MONITORING WELL LOCATION
X - EXCAVATION CONFIRMATION SAMPLE LOCATION

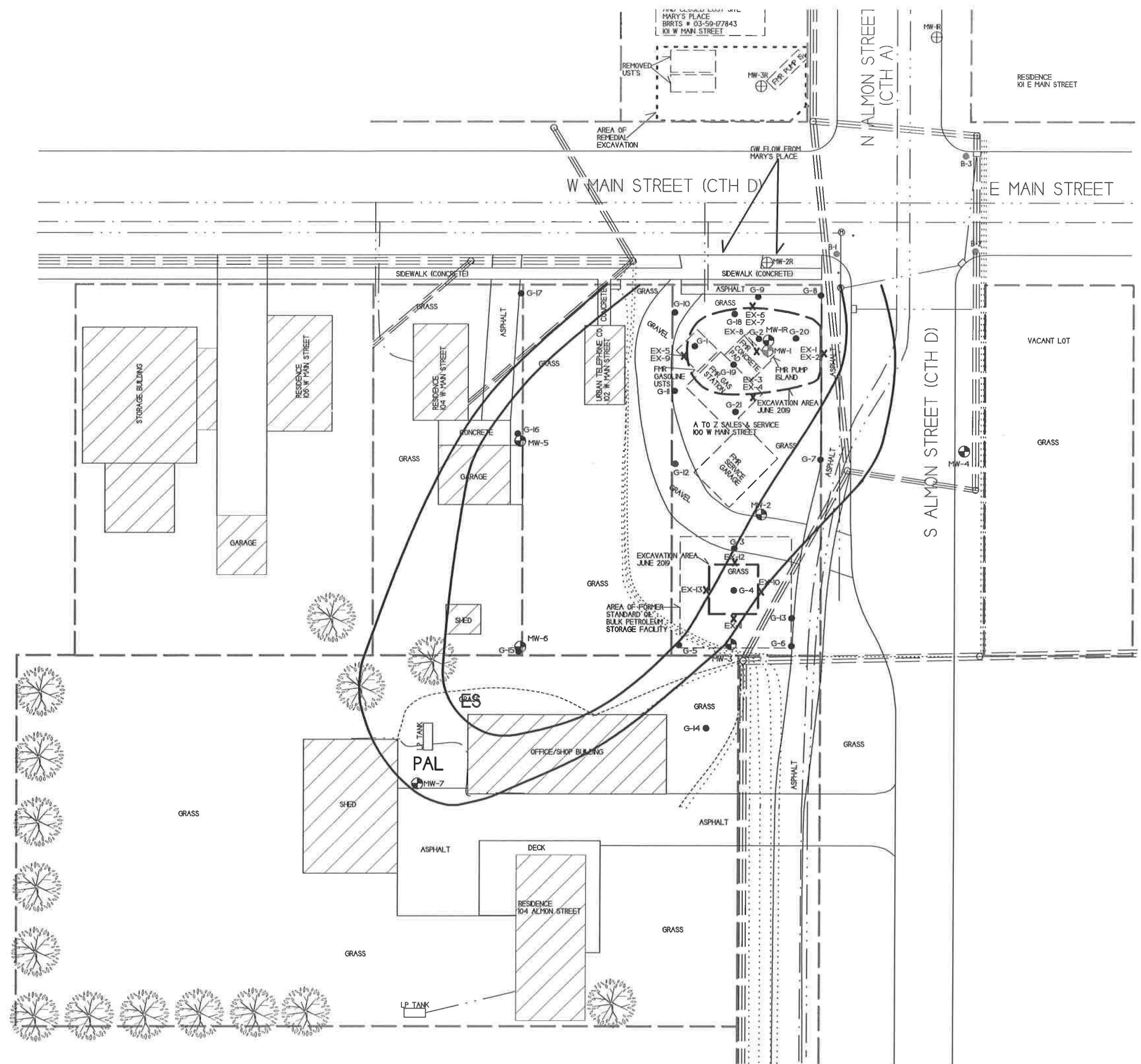
**GROUNDWATER
ISOCONCENTRATION MAP**

A TO Z SALES & SERVICE

METCO
1000 Columbia St. Suite 100
Bowlerville, IL 62513
Tel: 618-291-1000

BOWLER,
WISCONSIN
DRAWN BY: JED DATE: 02/20/16
PROJECT NO: 16-01 DATED: 02/20/16

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.



- PROPERTY BOUNDARY** - Dashed line
- WATER LINE** - Solid line
- SANITARY SEWER LINE** - Dashed line with 'S'
- STORM SEWER LINE** - Dashed line with 'S'
- FIBER OPTIC LINE** - Dashed line with 'F'
- TELEPHONE/CABLE LINE** - Dashed line with 'T'
- BURIED ELECTRICAL** - Dashed line with 'E'
- OVERHEAD UTILITIES** - Solid line with 'E'
- NATURAL GAS LINE** - Dashed line with 'G'

- - UTILITY POLE
- ⊕ - MAN-HOLE
- - SOIL BORING LOCATION (DOT PHASE 2)
- ⊕ - FORMER MONITORING WELL LOCATION - MARY'S PLACE
- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ✕ - EXCAVATION CONFIRMATION SAMPLE LOCATION

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

Well MW-1 MW-1R 1078.29
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
05/01/18	1064.75	12.73	38.3	4000	4400	<28	580	39000	3510	19200
06/23/19	WELL ABANDONDED DURING EXCAVATION PROJECT									
07/30/19	MW-1 REPLACED MWI MW-1R									
08/27/19	1067.10	11.19	39.2	3500	5800	<28	560	41000	4000	24900
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
05/01/18	1066.07	12.79	16.4	960	1340	<28	236	4500	1740	6080
08/27/19	1066.48	12.38	7.4	4.4	33	<0.28	5.7	65	50.2	134
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
05/01/18	1065.75	14.32	<0.9	0.54	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
08/27/19	1066.25	13.82	<1.1	<0.22	15.1	<0.28	8.2	1.21	74.1	59.2
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
05/01/18	1066.23	11.85	1.6	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
08/27/19	1066.66	11.42	<1.1	<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
05/01/18	1065.99	9.65	<0.9	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
08/27/19	1066.42	9.22	<1.1	370	530	<5.6	115	1550	525	1480
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
05/01/18	1065.45	12.78	<0.9	224	370	<2.8	40	194	182	884
08/27/19	1065.99	12.24	<1.1	630	1710	<5.6	292	6200	1710	7840
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-7

PVC Elevation = 1080.29 (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)
08/27/19	1065.61	14.68	<1.1	0.88	<0.26	<0.28	<2.1	<0.19	<1.43	2.39-2.82
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.2 Soil Analytical Results Table
A to Z Sales & Service – LGU BRRTS #03-59-190963

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb)	DIRECT CONTACT		
																	Exceedance Count	Hazard Index	Cumulative Cancer Risk
B-1-2	2-3	U	04/29/02	0.00	3.37	NS	NS	<0.025	<0.025	<0.025	NS	<0.025	<0.025	<0.025	<0.025	NS	0		
B-2-2	2-3	U	04/29/02	0.00	4.21	NS	NS	<0.025	<0.025	<0.025	NS	<0.025	<0.025	<0.025	<0.025	NS	0		
B-3-2	2-3	U	04/29/02	0.00	6.89	NS	NS	<0.025	0.0299	<0.025	NS	<0.025	0.106	0.0355	0.146	NS	0		
G-1-1	3.5	U	06/19/17	3.1	2.57	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-1-2	8	U	06/19/17	16.3	NS	NS	NS	<0.025	0.088	<0.025	<0.025	<0.025	0.299	0.111	0.539	NS			
G-1-3	11.5	U	06/19/17	257.0	NS	NS	NS	0.099	0.93	<0.025	0.77	0.216	3.3	1.14	5.02	NS			
G-2-1	3.5	U	06/19/17	35.4	3.21	NS	NS	1.34	8.9	<0.25	22	2.41	64	28.5	46.8	NS	2	0.4517	5.9E-06
G-2-2	7	U	06/19/17	2179.0	NS	NS	NS	<0.3	7.5	<0.5	5.4	5.0	34	9.9	43.5	SEE VOC SHEET			
G-2-3	10	U	06/19/17	1143.0	NS	NS	NS	0.043	1.27	<0.025	1.37	0.69	6.4	2.09	7.43	NS			
G-3-1	3.5	U	06/19/17	2.4	15.8	NS	NS	<0.025	0.050	<0.025	0.0172	0.065	0.121	0.041	0.225	NS	0	0.0007	9.4E-09
G-3-2	4-8	U	06/19/17	1.9												NS			
G-3-3	10	U	06/19/17	2.4	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	0.040	<0.025	0.050-0.075	NS			
G-3-4	13	U	06/19/17	1.9	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-4-1	3.5	U	06/19/17	4.3	121	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	1	0.3134	2.7E-06
G-4-2	7	U	06/19/17	4.4												NS			
G-4-3	9	U	06/19/17	3.4	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-4-4	13	U	06/19/17	3.5	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-5-1	3.5	U	06/19/17	1.9	4.39	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	0		
G-5-2	7	U	06/19/17	2.5												NS			
G-5-3	9	U	06/19/17	4.1	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-5-4	13	U	06/19/17	2.4	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-6-1	3.5	U	06/19/17	4.9	31.4	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	0		
G-6-2	7	U	06/19/17	6.8												NS			
G-6-3	11	U	06/19/17	7.2	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-7-1	3.5	U	06/19/17	4.3	1.67	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	0		
G-7-2	7	U	06/19/17	4.0												NS			
G-7-3	8	U	06/19/17	3.9	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-7-4	13	U	06/19/17	3.7	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-8-1	3.5	U	06/19/17	4.1	4.24	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-8-2	7	U	06/19/17	4.8	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-8-3	10	U	06/19/17	7.9	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	0.0255	0.038	<0.025	0.063-0.088	NS			
G-9-1	3.5	U	06/19/17	3.0	3.95	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-9-2	7	U	06/19/17	2.5	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-9-3	10	U	06/19/17	24.1	NS	NS	NS	<0.025	<0.025	<0.025	0.106	0.033	0.133	0.042	<0.276	NS			
G-10-1	3.5	U	06/19/17	4.4	4.12	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-10-2	7	U	06/19/17	3.0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-10-3	10	U	06/19/17	4.7	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-11-1	3.5	U	06/19/17	16.7	34.60	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-11-2	7	U	06/19/17	1.9	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-11-3	10	U	06/19/17	933	NS	NS	NS	<0.025	<0.025	<0.025	0.060	0.0272	0.40	0.187	0.614	NS			
G-12-1	3.5	U	06/19/17	4.7	32.30	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-12-2	7	U	06/19/17	3.8	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-12-3	10	U	06/19/17	3.8	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-13-1	3.5	U	06/19/17	1.9	3.13	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	0		
G-13-2	6	U	06/19/17	2.0												NS			
G-13-3	9	U	06/19/17	4.6	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-13-4	13	U	06/19/17	3.1	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-14-1	3.5	U	06/19/17	5.6	4.18	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	0		
G-14-2	7	U	06/19/17	4.8												NS			
G-14-3	10	U	06/19/17	2.1	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-14-4	14	U	06/19/17	3.5	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-15-1	3.5	U	06/20/17	2.6	2.35	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	0		
G-15-2	7	U	06/20/17	1.4												NS			
G-15-3	9	U	06/20/17	2.2	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-15-4	13	U	06/20/17	2.5	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-16-1	3.5	U	06/20/17	3.4	1.76	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-16-2	7	U	06/20/17	2.8	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-16-3	10	U	06/20/17	3.3	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-17-1	3.5	U	06/20/17	4.7	4.23	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-17-2	5	U	06/20/17	6.4	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-17-3	9.5	U	06/20/17	9.5	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-18-1	3.5	U	06/20/17	12.1	1.75	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-18-2	7	U	06/20/17	33	NS	NS	NS	<0.025	0.077	<0.025	<0.025	0.0256	0.172	0.064	0.363	NS			
G-18-3	10	U	06/20/17	46	NS	NS	NS	<0.025	<0.025	<0.025	0.063	<0.025	0.107	0.035	0.146	NS			
G-19-1	3.5	U	06/20/17	410	2.69	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-19-2	6	U	06/20/17	88.0	NS	NS	NS	4.3	8.8	<0.25	21.2	1.46	21.2	8.8	22.9	NS			
G-19-3	10	U	06/20/17		NS	NS	NS	0.029	0.128	<0.025	<0.025	0.034	0.243	0.087	0.609	NS			
G-20-1	3.5	U	06/20/17		31.0	NS	NS	<0.025	<0.025	<0.025	0.072	<0.025	0.146	0.14	0.105	NS	0	0.0013	1.3E-08
G-20-2	6	U	06/20/17		NS	NS	NS	0.36	7.4	<0.25	16.6	2.28							

A.2 Soil Analytical Results Table
A to Z Sales & Service – LGU BRRS #03-59-190963

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb)	DIRECT CONTACT			
																	Exceedance Count	Hazard Index	Cumulative Cancer Risk	
MW-3-1	3.5	U	10/23/17	1.5													NS			
MW-3-2	8	U	10/23/17	1.7													NS			
MW-3-3	12	U	10/23/17	1.7													NS			
MW-3-4	16	S	10/23/17	127													NS			
MW-4-1	3.5	U	10/23/17	1.1													NS			
MW-4-2	8	U	10/23/17	0.8													NS			
MW-4-3	12	U	10/23/17	2.0													NS			
MW-4-4	16	S	10/23/17	1.4													NS			
MW-5-1	3.5	U	10/23/17	1.5													NS			
MW-5-2	8	U	10/23/17	1.5													NS			
MW-5-3	12	S	10/23/17	2.1													NS			
MW-5-4	16	S	10/23/17	1.6													NS			
MW-6-1	3.5	U	10/23/17	1.1													NS			
MW-6-2	8	U	10/23/17	1.4													NS			
MW-6-3	12	S	10/23/17	1.6													NS			
MW-6-4	16	S	10/23/17	2.0													NS			
MW-6-5	20	S	10/23/17	1.8													NS			
MW-1-1	3.5	U	10/24/17	1247	NS	NS	4600	(12.3)	(72)	<2.5	(40)	48	(299)*	118	(359)*	NS	5	1.932	2.4E-05	
MW-1-2	8	U	10/24/17	1199													NS			
MW-1-3	12	U	10/24/17	3088	NS	NS	12100	65	370	<1.25	114	620	740*	254*	1670*	TCLP LEAD <0.1 TCLP BENZENE <0.05				
MW-1-4																	NS			
MW-2-1	3.5	U	10/24/17	2.2													NS			
MW-2-2	8	U	10/24/17	1.3													NS	0		
MW-2-3	12	U	10/24/17	1.2													NS			
MW-2-4	16	S	10/24/17	1954													NS			
EX-1	3.0	U	06/24/19	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
EX-2	9.0	U	06/24/19	9.3	NS	NS	NS	<0.025	0.033	<0.025	0.135	<0.025	0.172	0.078	0.184		NS			
EX-3	3.0	U	06/24/19	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075		NS	0		
EX-4	9.0	U	06/24/19	0.5	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075		NS			
EX-5	3.0	U	06/24/19	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075		NS	0		
EX-6	3.0	U	06/24/19	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075		NS	0		
EX-7	9.0	U	06/24/19	800	NS	NS	NS	0.79	15.8	<0.25	7.7	13.4	50	16	81.3		NS			
EX-8	16.0	S	06/24/19	50	NS	NS	NS	0.68	0.65	<0.025	0.12	5.3	0.46	0.125	3.05		NS			
EX-9	9.0	U	06/24/19	88	NS	NS	NS	1.03	12.4	<0.025	7.7	6.0	45	15.1	60.9		NS			
MW-7-1	3.5	U	07/30/19	0.3													NS	0		
MW-7-2	8.0	U	07/30/19	0.7													NS			
MW-7-3	12.0	S	07/30/19	1.3													NS			
MW-7-4	14.0	S	07/30/19	1.2	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075		NS			
MW-7-5	20.0	S	07/30/19	4.1													NS			
Groundwater RCL					27	-	-	0.0051	1.57	0.027	0.6582	1.1072	1.3787		3.96	-				
Non-Industrial Direct Contact RCL					400	-	-	1.6	8.02	63.8	5.52	818	219	182	260	-			1.00E+00	1.00E-05
Industrial Direct Contact RCL					(800)	-	-	(7.07)	(35.4)	(282)	(24.1)	(818)	(219)	(182)	(260)	-			1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat)*					-	-	-	1820*	480*	8870*	-	818*	219*	182*	260*	-				

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
NS = Not Sampled NM = Not Measured
(ppm) = parts per million ND = No Detects
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
PID = Photoionization Detector
PVOC's = Petroleum Volatile Organic Compounds
VOC's = Volatile Organic Compounds
Note: Non-Industrial RCLs apply to this site.

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)
S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

A.2 Soil Analytical Results Table
(PAH)
A to Z Sales & Service – LGU BRRTS #03-59-190963

Sample	Depth (feet)	Saturation U/S	Date	Acenaphthene (ppm)	Acenaphthylene (ppm)	Anthracene (ppm)	Benzo(a)anthracene (ppm)	Benzo(a)pyrene (ppm)	Benzo(b)fluoranthene (ppm)	Benzo(g,h,i)perylene (ppm)	Benzo(k)fluoranthene (ppm)	Chrysene (ppm)	Dibenzo(a,h)anthracene (ppm)	Fluoranthene (ppm)	Fluorene (ppm)	Indeno(1,2,3-cd)pyrene (ppm)	1-Methylnaphthalene (ppm)	2-Methylnaphthalene (ppm)	Naphthalene (ppm)	Phenanthrene (ppm)	Pyrene (ppm)	DIRECT CONTACT			
																						Exceedance Count	Hazard Index	Cumulative Cancer Risk	
G-3-1	3.5	U	06/19/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	0.0247	0.0172	<0.0111	<0.0153	0	0.0007	9.4E-09	
G-4-1	3.5	U	06/19/17	<0.0151	0.047	0.059	0.169	0.19	0.254	0.95	0.083	0.175	0.059	0.179	<0.0179	0.189	<0.0203	<0.0113	<0.0153	0.039	0.194	1	0.3134	2.7E-06	
G-5-1	3.5	U	06/19/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0			
G-6-1	3.5	U	06/19/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	0.0145	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0			
G-7-1	3.5	U	06/19/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0			
G-13-1	3.5	U	06/19/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0			
G-14-1	3.5	U	06/19/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0			
G-15-1	3.5	U	06/20/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0			
EX-10	3.0	U	06/25/19	<0.0163	<0.0086	<0.0043	<0.016	<0.0124	<0.0109	<0.0084	<0.0091	<0.006	<0.0101	<0.0054	<0.0086	<0.0082	<0.0086	<0.0147	<0.0153	<0.0071	<0.0067	0			
EX-11	3.0	U	06/25/19	<0.0163	<0.0086	<0.0043	<0.016	<0.0124	<0.0109	<0.0084	<0.0091	<0.006	<0.0101	<0.0054	<0.0086	<0.0082	<0.0086	<0.0147	<0.0153	<0.0071	<0.0067	0			
EX-12	3.0	U	06/25/19	<0.0163	<0.0086	<0.0043	<0.016	<0.0124	<0.0109	<0.0084	<0.0091	<0.006	<0.0101	<0.0054	<0.0086	<0.0082	<0.0086	<0.0147	<0.0153	<0.0071	<0.0067	0			
EX-13	3.0	U	06/25/19	<0.0163	<0.0086	<0.0043	<0.016	<0.0124	<0.0109	<0.0084	<0.0091	<0.006	<0.0101	<0.0054	<0.0086	<0.0082	<0.0086	<0.0147	<0.0153	<0.0071	<0.0067	0			
Groundwater RCL				---	---	197	---	0.47	0.2390	---	---	0.0721	---	88.8	14.8	---	---	---	0.6582	---	54.5				
Non-Industrial Direct Contact RCL				3590	---	17900	1.140	0.1150	1.150	---	11.50	115	0.1150	2390	2390	1.150	17.6	239	5.52	---	1790		1.00E+00	1.00E-05	
Industrial Direct Contact RCL				(45200)	---	(100000)	(20.8)	(2.11)	(21.1)	---	(211)	(2110)	(2.11)	(30100)	(30100)	(21.1)	(72.7)	(3010)	(24.1)	---	(22600)				
Soil Saturation Concentration (C-sat)*				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
(ppm) = parts per million
PAH = Polynuclear Aromatic Hydrocarbons
PID = Photoionization Detector
VOC's = Volatile Organic Compounds

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)
S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

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

	MW-1	MW-1R	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
Ground Surface (feet msl)	1077.95	1078.75	1079.26	1080.47	1078.55	1076.12	1078.76	1080.57
PVC top (feet msl)	1077.48	1078.29	1078.86	1080.07	1078.08	1075.64	1078.23	1080.29
Well Depth (feet)	17.00	17.00	19.00	19.00	17.00	16.00	19.00	20.00
Top of screen (feet msl)	1070.95	1071.75	1070.26	1071.47	1071.55	1070.12	1069.76	1070.57
Bottom of screen (feet msl)	1060.95	1061.75	1060.26	1061.47	1061.55	1060.12	1059.76	1060.57

Depth to Water From Top of PVC (feet)

01/30/18	12.31	NI	13.82	15.32	12.96	10.58	13.69	13.69
05/01/18	12.73	NI	12.79	14.32	11.85	9.65	12.78	12.78
08/27/19	A	11.19	12.38	13.82	11.42	9.22	12.24	14.68

Depth to Water From Ground Surface (feet)

01/30/18	12.78	NI	14.22	15.72	13.43	11.06	14.22	13.97
05/01/18	13.20	NI	13.19	14.72	12.32	10.13	13.31	13.06
08/27/19	A	11.65	12.78	14.22	11.89	9.70	12.77	14.96

Groundwater Elevation (feet msl)

01/30/18	1065.17	NI	1065.04	1064.75	1065.12	1065.06	1064.54	1066.60
05/01/18	1064.75	NI	1066.07	1065.75	1066.23	1065.99	1065.45	1067.51
08/27/19	A	1067.10	1066.48	1066.25	1066.66	1066.42	1065.99	1065.61

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/MW-1R

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
05/01/18	0.66	6.77	-13	9.1	423.4	NS	NS	NS	NS
06/23/19	WELL ABANDONED AND REMOVED DURING EXCAVATION PROJECT								
07/30/19	MW-1 REPLACE WITH MW-1R								
08/27/19	1.25	6.43	-83.8	15.3	748	NS	NS	NS	NS
ENFORCEMENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						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
05/01/18	1.88	7.08	-41	9.1	732	NS	NS	NS	NS
08/27/19	1.23	7.01	-135.5	12.54	900	NS	NS	NS	NS
ENFORCEMENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						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
05/01/18	3.44	7.48	229	9.6	640	NS	NS	NS	NS
08/27/19	1.48	7.19	182.5	11.33	1106	NS	NS	NS	NS
ENFORCEMENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						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
05/01/18	6.57	7.41	262	8.7	412.6	NS	NS	NS	NS
08/27/19	4.82	7.05	215.2	13.71	721	NS	NS	NS	NS
ENFORCEMENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						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
05/01/18	6.84	7.11	247	6.6	262.1	NS	NS	NS	NS
08/27/19	4.13	6.19	229.1	15.04	398	NS	NS	NS	NS
ENFORCEMENT 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-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
05/01/18	1.59	7.22	21	9.9	482.5	NS	NS	NS	NS
08/27/19	5.36	6.32	165.2	11.9	126	NS	NS	NS	NS
ENFORCEMENT 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-7

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
08/27/19	5.60	6.97	181	11.73	479	NS	NS	NS	NS
ENFORCEMENT 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).

Invoice

DKS CONSTRUCTION SERVICES, INC

2520 WILSON STREET
MENOMONIE, WI 54751

Date	Invoice #
6/25/2019	4234

Bill To

METCO
% VILLAGE OF BOWLER, KERRY BREITRICK
709 GILLETTE ST
LACROSSE, WI 54603

P.O. No.	Terms	Due Date	Project
Bowler, WI	Net 30	7/25/2019	

Quantity	Description	Rate	Amount
1	Mobilization (ls)	3,250.00	3,250.00
1,078.27	Excavate (Tons)	3.50	3,773.95
1,078.27	Haul (Tons)	23.00	24,800.21
1,078.27	Disposal (Tons)	25.00	26,956.75
1,008.27	Fill (Tons)	10.00	10,082.70
70	Rock (Tons)	16.00	1,120.00
1,078.27	Backfill & Compact (Tons)	2.50	2,695.68
	Jobsite: 100 W Main Street, Bowler WI Former A to Z Sales & Service Work Done on 6/24/2019, 6/25/2019 WI & Dunn Sales Tax	5.50%	0.00

*Excavate/Disposal Project
Reviewed 6/26/19
OK
[Signature]*

Phone # 7152352600

Total \$72,679.29

A 1.5% Interest fee may be charged to invoices past Due Date stated on the invoice. Interest charges may be billed on first day past Due Date on invoice.

Route To:

Watershed / Wastewater: _____
Remediation / Redevelopment: **X**

Waste Management: _____
Other: _____

Facility / Project Name A to Z Sales & Service		License / Permit / Monitoring Number			Boring Number MW-1R	
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil & Samples LLC.		Drilling Date Started 07/30/2019 MM/DD/YYYY		Drilling Date Completed 07/30/2019 MM/DD/YYYY		Drilling Method Geoprobe/H.S.A.
WI Unique Well No. WB721	DNR Well ID No. MW-1R	Well Name MW-1R		Final Static Water Level 1064 feet MSL	Surface Elevation 1075 feet MSL	Borehole Diameter 8"
Local Grid Origin (estimated X) or Boring Location State Plane N, E NE ¼ of NE ¼ of Section 36, T 28 N, R 12 E				Local Grid Location Lat 44° 51' 46" N Long 88° 58' 54 W		Local Grid Location N E Feet S Feet W
Facility ID 459003930		County Shawano		County Code 59		Civil Town / City / Village Bowler

Sample				Soil Properties										RQD / Comments	
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			3 6 9 12 15 18 21 24 27	Grass		▼	SEE WELL CONSTRUCTION FORM								
				MW-1R Blind drilled to 18 ft bgs. Well installed to 17 ft bgs with a 10 foot screen.											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: *Darrin Prentice*

Firm: **METCO**

Route To:

Watershed / Wastewater:
Remediation / Redevelopment: **X**

Waste Management:
Other:

Page 1 of 1

Facility / Project Name A to Z Sales & Service		License / Permit / Monitoring Number			Boring Number MW-7		
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil & Samples LLC.				Drilling Date Started 07/30/2019 MM/DD/YYYY		Drilling Date Completed 07/30/2019 MM/DD/YYYY	
WI Unique Well No. WB722		DNR Well ID No. MW-7		Well Name MW-7		Final Static Water Level 1064 feet MSL	
				Surface Elevation 1075 feet MSL		Borehole Diameter 8"	
Local Grid Origin (estimated X) or Boring Location State Plane N, E NE ¼ of NE ¼ of Section 36, T 28 N, R 12 E				Lat 44° 51' 46" N Long 88° 58' 54 W		Local Grid Location N E Feet S Feet W	
Facility ID 459003930		County Shawano		County Code 59		Civil Town / City / Village Bowler	

Sample				Soil Properties										
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
				Grass										
MW-7-1 (3.5 feet)	48 36		3	Brown f-m sand w/ trace silt	SP/SM		SEE WELL CONSTRUCTION FORM	0.3		M				No Petro Odor
			6	Brown f-m sand w/trace silt (4-5 feet bgs)	SP/SM			0.7		M				No Petro Odor
MW-7-2 (8 feet)	48 36		9	Brown to tan m-c sand w/ pebbles of granitic composition (5-8 feet bgs)	SP			1.3		M				No Petro Odor
			12	Brown vf-m sand w/ pebbles (8-10 feet bgs)	SP			1.2		W				No Petro Odor
MW-7-3 (12 feet)	48 36		15	Brown to tan m-c sand w/ pebbles of granitic composition (10-12 feet bgs)	SP			4.1		W				No Petro Odor
MW-7-4 (14 feet)	48 36		18	Tan vf-m sand w/pebbles	SP									
			21	Tan to brown vf-m sand w/ trace silt and pebbles throughout	SP/SM									
MW-7-5 (20 feet)	48 36		24	EOB @ 21 feet bgs. MW-7 installed to 20 ft bgs with a 10 foot screen.										
			27											

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature: *[Handwritten Signature]*

Firm: **METCO**

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name A to Z Service and Sales	County Name SHAWANO	Well Name MW-1R
Facility License, Permit or Monitoring Number 459003930	County Code .59	Wis. Unique Well Number WB721
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other _____
3. Time spent developing well 15 min.
4. Depth of well (from top of well casing) 17 ft.
5. Inside diameter of well 2 in.
6. Volume of water in filter pack and well casing 6.8 gal.
7. Volume of water removed from well 30 gal.
8. Volume of water added (if any) _____ gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

- | | | |
|---|--|--|
| | <u>Before Development</u> | <u>After Development</u> |
| 11. Depth to Water
(from top of well casing) | a. <u>10.74</u> ft. | <u>11.83</u> ft. |
| Date | b. <u>07</u> / <u>30</u> / <u>2019</u> | <u>7</u> / <u>30</u> / <u>2019</u> |
| | m m d d y y y y | m m d d y y y y |
| Time | c. <u>11</u> : <u>20</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m. | <u>11</u> : <u>35</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m. |
| 12. Sediment in well bottom | _____ inches | _____ inches |
| 13. Water clarity | Clear <input type="checkbox"/> 1 0
Turbid <input checked="" type="checkbox"/> 1 5
(Describe)
<u>Brown</u> | Clear <input checked="" type="checkbox"/> 2 0
Turbid <input type="checkbox"/> 2 5
(Describe)
<u>Clear</u> |
| | <u>High Turbidity</u> | <u>Low Turbidity</u> |
| | <u>Petro Odor</u> | <u>Petro Odor</u> |

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l
15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Kaylin Last Name: Felix

Firm: METCO

17. Additional comments on development:
Developed by METCO.

Name and Address of Facility Contact /Owner/Responsible Party

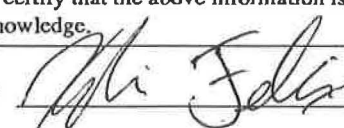
First Name: Kerry Last Name: Breitick

Facility/Firm: Village of Bowler

Street: 100 W Main Street

City/State/Zip: Bowler WI 54416

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: 

Print Name: Kaylin Felix

Firm: METCO

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name A to Z Service and Sales	County Name SHAWANO	Well Name MW-7
Facility License, Permit or Monitoring Number 459003930	County Code 59	Wis. Unique Well Number WB722
		DNR Well ID Number

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other
3. Time spent developing well 15 min.
4. Depth of well (from top of well casing) 20 ft.
5. Inside diameter of well 2 in.
6. Volume of water in filter pack and well casing 6.3 gal.
7. Volume of water removed from well 30 gal.
8. Volume of water added (if any) _____ gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

- | | | |
|--|---|---|
| | <u>Before Development</u> | <u>After Development</u> |
| 11. Depth to Water (from top of well casing) | a. <u>14.26</u> ft. | <u>14.35</u> ft. |
| Date | b. <u>07</u> / <u>30</u> / <u>2019</u> | <u>7</u> / <u>30</u> / <u>2019</u> |
| | m m d d y y y y | m m d d y y y y |
| Time | c. <u>10</u> : <u>55</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m. | <u>11</u> : <u>10</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m. |
| 12. Sediment in well bottom | _____ inches | _____ inches |
| 13. Water clarity | Clear <input type="checkbox"/> 1 0
Turbid <input checked="" type="checkbox"/> 1 5
(Describe)
Tan _____ | Clear <input checked="" type="checkbox"/> 2 0
Turbid <input type="checkbox"/> 2 5
(Describe)
Clear _____ |
| | Medium Turbidity _____ | Low Turbidity _____ |
| | No Petro Odor _____ | No Petro Odor _____ |

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l
15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Kaylin Last Name: Felix

Firm: METCO

17. Additional comments on development:
Properly Developed by METCO.

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Kerry Last Name: Breitick

Facility/Firm: Village of Bowler

Street: 100 W Main Street

City/State/Zip: Bowler WI 54416-

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Handwritten Signature]

Print Name: Kaylin Felix

Firm: METCO

Facility/Project Name A-2 Sales Service	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name MW-1R
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. " Long. " or "	Wis. Unique Well No. WB721 DNR Well ID No.
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed 07/30/2019 m m d d y y y y
Type of Well Well Code 11, MW	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. <input type="checkbox"/> B <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	
Enf. Stds. Apply <input type="checkbox"/>	Gov. Lot Number	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in.
C. Land surface elevation _____ ft. MSL	b. Length: _____ ft.
D. Surface seal, bottom _____ ft. MSL or _____ ft.	c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> OW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravily <input checked="" type="checkbox"/> 08
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
Describe _____	7. Fine sand material: Manufacturer, product name & mesh size a. #20 Red Flint
17. Source of water (attach analysis, if required):	b. Volume added _____ ft ³
E. Bentonite seal, top _____ ft. MSL or _____ ft.	8. Filter pack material: Manufacturer, product name & mesh size a. #40 Red Flint
F. Fine sand, top _____ ft. MSL or _____ ft.	b. Volume added _____ ft ³
G. Filter pack, top _____ ft. MSL or _____ ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
H. Screen joint, top _____ ft. MSL or _____ ft.	10. Screen material: PVC
I. Well bottom _____ ft. MSL or _____ ft.	a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
J. Filter pack, bottom _____ ft. MSL or _____ ft.	b. Manufacturer Johnson
K. Borehole, bottom _____ ft. MSL or _____ ft.	c. Slot size: 0.010 in.
L. Borehole, diameter 8.25 in.	d. Slotted length: 10 ft.
M. O.D. well casing 2.40 in.	11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/>
N. I.D. well casing 2.06 in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature **Darrin Prentice** Firm **Geiss Soil & Samples LLC**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater Waste Management
 Remediation/Redevelopment Other

Facility/Project Name A-2 Sales Service	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name MW-7
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>	Wis. Unique Well No. WB722 DNR Well ID No.
Facility ID	Lat. _____ " Long. _____ " or _____	Date Well Installed 07.30.2019 m m d d y y y y
Type of Well Well Code 11, MW	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> R <input type="checkbox"/> W	Well Installed, By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	
Enf. Stds. Apply <input type="checkbox"/>	Gov. Lot Number _____	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: 8 in. b. Length: 1 ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation _____ ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or 0 ft.	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Fine sand material: Manufacturer, product name & mesh size a. #20 Red Flint b. Volume added _____ ft ³
Describe _____	8. Filter pack material: Manufacturer, product name & mesh size a. #40 Red Flint b. Volume added _____ ft ³
17. Source of water (attach analysis, if required): _____	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or 1 ft.	10. Screen material: PVC a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or 7 ft.	b. Manufacturer Johnson c. Slot size: 0.010 in. d. Slotted length: 10 ft.
G. Filter pack, top _____ ft. MSL or 8 ft.	11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/>
H. Screen joint, top _____ ft. MSL or 10 ft.	
I. Well bottom _____ ft. MSL or 20 ft.	
J. Filter pack, bottom _____ ft. MSL or 21 ft.	
K. Borehole, bottom _____ ft. MSL or 21 ft.	
L. Borehole, diameter 8.25 in.	
M. O.D. well casing 2.40 in.	
N. I.D. well casing 2.06 in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature **Darrin Prentice** Firm **Geiss Soil & Samples LLC**

Synergy Environmental Lab,

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

KERRY BREITRICK
VILLAGE OF BOWLER
107 W MAIN STREET
BOWLER, WI 54416

Report Date 09-Jul-19

Project Name A TO Z SALES & SERVICE
Project #

Invoice # E36398

Lab Code 5036398A
Sample ID EX-1
Sample Matrix Soil
Sample Date 6/24/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	95.2	%			1	5021		6/27/2019	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.018	0.056	1	GRO95/8021		7/3/2019	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		7/3/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		7/3/2019	CJR	1
Naphthalene	< 0.025	mg/kg	0.025	0.01	1	GRO95/8021		7/3/2019	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.055	1	GRO95/8021		7/3/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		7/3/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		7/3/2019	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.026	0.083	1	GRO95/8021		7/3/2019	CJR	1
o-Xylene	< 0.025	mg/kg	0.013	0.056	1	GRO95/8021		7/3/2019	CJR	1

Project #

Lab Code 5036398B
 Sample ID EX-2
 Sample Matrix Soil
 Sample Date 6/24/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.7	%			1	5021		6/27/2019	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.018	0.056	1	GRO95/8021		7/3/2019	CJR	1
Ethylbenzene	0.033 "J"	mg/kg	0.015	0.047	1	GRO95/8021		7/3/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		7/3/2019	CJR	1
Naphthalene	0.135	mg/kg	0.025	0.01	1	GRO95/8021		7/3/2019	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.055	1	GRO95/8021		7/3/2019	CJR	1
1,2,4-Trimethylbenzene	0.172	mg/kg	0.015	0.048	1	GRO95/8021		7/3/2019	CJR	1
1,3,5-Trimethylbenzene	0.078	mg/kg	0.011	0.036	1	GRO95/8021		7/3/2019	CJR	1
m&p-Xylene	0.122	mg/kg	0.026	0.083	1	GRO95/8021		7/3/2019	CJR	1
o-Xylene	0.062	mg/kg	0.013	0.056	1	GRO95/8021		7/3/2019	CJR	1

Lab Code 5036398C
 Sample ID EX-3
 Sample Matrix Soil
 Sample Date 6/24/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	96.1	%			1	5021		6/27/2019	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.018	0.056	1	GRO95/8021		7/3/2019	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		7/3/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		7/3/2019	CJR	1
Naphthalene	< 0.025	mg/kg	0.025	0.01	1	GRO95/8021		7/3/2019	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.055	1	GRO95/8021		7/3/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		7/3/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		7/3/2019	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.026	0.083	1	GRO95/8021		7/3/2019	CJR	1
o-Xylene	< 0.025	mg/kg	0.013	0.056	1	GRO95/8021		7/3/2019	CJR	1

Project #

Lab Code 5036398D
 Sample ID EX-4
 Sample Matrix Soil
 Sample Date 6/24/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	93.0	%			1	5021		6/27/2019	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.018	0.056	1	GRO95/8021		7/3/2019	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		7/3/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		7/3/2019	CJR	1
Naphthalene	< 0.025	mg/kg	0.025	0.01	1	GRO95/8021		7/3/2019	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.055	1	GRO95/8021		7/3/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		7/3/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		7/3/2019	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.026	0.083	1	GRO95/8021		7/3/2019	CJR	1
o-Xylene	< 0.025	mg/kg	0.013	0.056	1	GRO95/8021		7/3/2019	CJR	1

Lab Code 5036398E
 Sample ID EX-5
 Sample Matrix Soil
 Sample Date 6/24/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.8	%			1	5021		6/27/2019	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.018	0.056	1	GRO95/8021		7/3/2019	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		7/3/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		7/3/2019	CJR	1
Naphthalene	< 0.025	mg/kg	0.025	0.01	1	GRO95/8021		7/3/2019	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.055	1	GRO95/8021		7/3/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		7/3/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		7/3/2019	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.026	0.083	1	GRO95/8021		7/3/2019	CJR	1
o-Xylene	< 0.025	mg/kg	0.013	0.056	1	GRO95/8021		7/3/2019	CJR	1

Project Name A TO Z SALES & SERVICE
 Project #

Invoice # E36398

Lab Code 5036398F
 Sample ID EX-6
 Sample Matrix Soil
 Sample Date 6/24/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	93.2	%			1	5021		6/27/2019	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.018	0.056	1	GRO95/8021		7/3/2019	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		7/3/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		7/3/2019	CJR	1
Naphthalene	< 0.025	mg/kg	0.025	0.01	1	GRO95/8021		7/3/2019	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.055	1	GRO95/8021		7/3/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		7/3/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		7/3/2019	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.026	0.083	1	GRO95/8021		7/3/2019	CJR	1
o-Xylene	< 0.025	mg/kg	0.013	0.056	1	GRO95/8021		7/3/2019	CJR	1

Lab Code 5036398G
 Sample ID EX-7
 Sample Matrix Soil
 Sample Date 6/24/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	93.3	%			1	5021		6/27/2019	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	0.79	mg/kg	0.18	0.56	10	GRO95/8021		7/4/2019	CJR	1
Ethylbenzene	15.8	mg/kg	0.15	0.47	10	GRO95/8021		7/4/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.25	mg/kg	0.14	0.45	10	GRO95/8021		7/4/2019	CJR	1
Naphthalene	7.7	mg/kg	0.25	0.1	10	GRO95/8021		7/4/2019	CJR	1
Toluene	13.4	mg/kg	0.13	0.55	10	GRO95/8021		7/4/2019	CJR	1
1,2,4-Trimethylbenzene	50	mg/kg	0.15	0.48	10	GRO95/8021		7/4/2019	CJR	1
1,3,5-Trimethylbenzene	16	mg/kg	0.11	0.36	10	GRO95/8021		7/4/2019	CJR	1
m&p-Xylene	58	mg/kg	0.26	0.83	10	GRO95/8021		7/4/2019	CJR	1
o-Xylene	23.3	mg/kg	0.13	0.56	10	GRO95/8021		7/4/2019	CJR	1

Project #

Lab Code 5036398H
 Sample ID EX-8
 Sample Matrix Soil
 Sample Date 6/24/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.1	%			1	5021		6/27/2019	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	0.68	mg/kg	0.018	0.056	1	GRO95/8021		7/4/2019	CJR	1
Ethylbenzene	0.65	mg/kg	0.015	0.047	1	GRO95/8021		7/4/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		7/4/2019	CJR	1
Naphthalene	0.12	mg/kg	0.025	0.01	1	GRO95/8021		7/4/2019	CJR	1
Toluene	5.3	mg/kg	0.013	0.055	1	GRO95/8021		7/4/2019	CJR	1
1,2,4-Trimethylbenzene	0.46	mg/kg	0.015	0.048	1	GRO95/8021		7/4/2019	CJR	1
1,3,5-Trimethylbenzene	0.125	mg/kg	0.011	0.036	1	GRO95/8021		7/4/2019	CJR	1
m&p-Xylene	2.07	mg/kg	0.026	0.083	1	GRO95/8021		7/4/2019	CJR	1
o-Xylene	0.98	mg/kg	0.013	0.056	1	GRO95/8021		7/4/2019	CJR	1

Lab Code 5036398I
 Sample ID EX-9
 Sample Matrix Soil
 Sample Date 6/24/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	93.1	%			1	5021		6/27/2019	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	1.03	mg/kg	0.018	0.056	1	GRO95/8021		7/4/2019	CJR	1
Ethylbenzene	12.4	mg/kg	0.015	0.047	1	GRO95/8021		7/4/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		7/4/2019	CJR	1
Naphthalene	7.7	mg/kg	0.025	0.01	1	GRO95/8021		7/4/2019	CJR	1
Toluene	6.0	mg/kg	0.013	0.055	1	GRO95/8021		7/4/2019	CJR	1
1,2,4-Trimethylbenzene	45	mg/kg	0.015	0.048	1	GRO95/8021		7/4/2019	CJR	1
1,3,5-Trimethylbenzene	15.1	mg/kg	0.011	0.036	1	GRO95/8021		7/4/2019	CJR	1
m&p-Xylene	45	mg/kg	0.026	0.083	1	GRO95/8021		7/4/2019	CJR	1
o-Xylene	15.9	mg/kg	0.013	0.056	1	GRO95/8021		7/4/2019	CJR	1

Project

Lab Code 5036398J
 Sample ID MEOH BLK
 Sample Matrix Soil
 Sample Date 6/24/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.018	0.056	1	GRO95/8021		7/4/2019	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		7/4/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		7/4/2019	CJR	1
Naphthalene	< 0.025	mg/kg	0.025	0.01	1	GRO95/8021		7/4/2019	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.055	1	GRO95/8021		7/4/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		7/4/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		7/4/2019	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.026	0.083	1	GRO95/8021		7/4/2019	CJR	1
o-Xylene	< 0.025	mg/kg	0.013	0.056	1	GRO95/8021		7/4/2019	CJR	1

Lab Code 5036398K
 Sample ID EX-10
 Sample Matrix Soil
 Sample Date 6/25/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	95.7	%			1	5021		6/27/2019	NJC	1
Organic										
PAH SIM										
Acenaphthene	< 0.0163	mg/kg	0.0163	0.054	1	M8270C	6/28/2019	6/28/2019	MJR	1
Acenaphthylene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	6/28/2019	6/28/2019	MJR	1
Anthracene	< 0.0043	mg/kg	0.0043	0.014	1	M8270C	6/28/2019	6/28/2019	MJR	1
Benzo(a)anthracene	< 0.016	mg/kg	0.016	0.053	1	M8270C	6/28/2019	6/28/2019	MJR	1
Benzo(a)pyrene	< 0.0124	mg/kg	0.0124	0.041	1	M8270C	6/28/2019	6/28/2019	MJR	1
Benzo(b)fluoranthene	< 0.0109	mg/kg	0.0109	0.036	1	M8270C	6/28/2019	6/28/2019	MJR	1
Benzo(g,h,i)perylene	< 0.0084	mg/kg	0.0084	0.028	1	M8270C	6/28/2019	6/28/2019	MJR	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.03	1	M8270C	6/28/2019	6/28/2019	MJR	1
Chrysene	< 0.006	mg/kg	0.006	0.02	1	M8270C	6/28/2019	6/28/2019	MJR	1
Dibenzo(a,h)anthracene	< 0.0101	mg/kg	0.0101	0.034	1	M8270C	6/28/2019	6/28/2019	MJR	1
Fluoranthene	< 0.0054	mg/kg	0.0054	0.018	1	M8270C	6/28/2019	6/28/2019	MJR	1
Fluorene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	6/28/2019	6/28/2019	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.0082	mg/kg	0.0082	0.027	1	M8270C	6/28/2019	6/28/2019	MJR	1
1-Methyl naphthalene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	6/28/2019	6/28/2019	MJR	1
2-Methyl naphthalene	< 0.0147	mg/kg	0.0147	0.049	1	M8270C	6/28/2019	6/28/2019	MJR	1
Naphthalene	< 0.0153	mg/kg	0.0153	0.0486	1	M8270C	6/28/2019	6/28/2019	MJR	1
Phenanthrene	< 0.0071	mg/kg	0.0071	0.024	1	M8270C	6/28/2019	6/28/2019	MJR	1
Pyrene	< 0.0067	mg/kg	0.0067	0.022	1	M8270C	6/28/2019	6/28/2019	MJR	1

Project

Lab Code 5036398L

Sample ID EX-11

Sample Matrix Soil

Sample Date 6/25/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	93.0	%			1	5021		6/27/2019	NJC	1
Organic										
PAH SIM										
Acenaphthene	< 0.0163	mg/kg	0.0163	0.054	1	M8270C	6/28/2019	6/28/2019	MJR	1
Acenaphthylene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	6/28/2019	6/28/2019	MJR	1
Anthracene	< 0.0043	mg/kg	0.0043	0.014	1	M8270C	6/28/2019	6/28/2019	MJR	1
Benzo(a)anthracene	< 0.016	mg/kg	0.016	0.053	1	M8270C	6/28/2019	6/28/2019	MJR	1
Benzo(a)pyrene	< 0.0124	mg/kg	0.0124	0.041	1	M8270C	6/28/2019	6/28/2019	MJR	1
Benzo(b)fluoranthene	< 0.0109	mg/kg	0.0109	0.036	1	M8270C	6/28/2019	6/28/2019	MJR	1
Benzo(g,h,i)perylene	< 0.0084	mg/kg	0.0084	0.028	1	M8270C	6/28/2019	6/28/2019	MJR	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.03	1	M8270C	6/28/2019	6/28/2019	MJR	1
Chrysene	< 0.006	mg/kg	0.006	0.02	1	M8270C	6/28/2019	6/28/2019	MJR	1
Dibenzo(a,h)anthracene	< 0.0101	mg/kg	0.0101	0.034	1	M8270C	6/28/2019	6/28/2019	MJR	1
Fluoranthene	< 0.0054	mg/kg	0.0054	0.018	1	M8270C	6/28/2019	6/28/2019	MJR	1
Fluorene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	6/28/2019	6/28/2019	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.0082	mg/kg	0.0082	0.027	1	M8270C	6/28/2019	6/28/2019	MJR	1
1-Methyl naphthalene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	6/28/2019	6/28/2019	MJR	1
2-Methyl naphthalene	< 0.0147	mg/kg	0.0147	0.049	1	M8270C	6/28/2019	6/28/2019	MJR	1
Naphthalene	< 0.0153	mg/kg	0.0153	0.0486	1	M8270C	6/28/2019	6/28/2019	MJR	1
Phenanthrene	< 0.0071	mg/kg	0.0071	0.024	1	M8270C	6/28/2019	6/28/2019	MJR	1
Pyrene	< 0.0067	mg/kg	0.0067	0.022	1	M8270C	6/28/2019	6/28/2019	MJR	1

Project

Lab Code 5036398M

Sample ID EX-12

Sample Matrix Soil

Sample Date 6/25/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	95.1	%			1	5021		6/27/2019	NJC	1
Organic										
PAH SIM										
Acenaphthene	< 0.0163	mg/kg	0.0163	0.054	1	M8270C	6/28/2019	6/29/2019	MJR	1
Acenaphthylene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	6/28/2019	6/29/2019	MJR	1
Anthracene	< 0.0043	mg/kg	0.0043	0.014	1	M8270C	6/28/2019	6/29/2019	MJR	1
Benzo(a)anthracene	< 0.016	mg/kg	0.016	0.053	1	M8270C	6/28/2019	6/29/2019	MJR	1
Benzo(a)pyrene	< 0.0124	mg/kg	0.0124	0.041	1	M8270C	6/28/2019	6/29/2019	MJR	1
Benzo(b)fluoranthene	< 0.0109	mg/kg	0.0109	0.036	1	M8270C	6/28/2019	6/29/2019	MJR	1
Benzo(g,h,i)perylene	< 0.0084	mg/kg	0.0084	0.028	1	M8270C	6/28/2019	6/29/2019	MJR	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.03	1	M8270C	6/28/2019	6/29/2019	MJR	1
Chrysene	< 0.006	mg/kg	0.006	0.02	1	M8270C	6/28/2019	6/29/2019	MJR	1
Dibenzo(a,h)anthracene	< 0.0101	mg/kg	0.0101	0.034	1	M8270C	6/28/2019	6/29/2019	MJR	1
Fluoranthene	< 0.0054	mg/kg	0.0054	0.018	1	M8270C	6/28/2019	6/29/2019	MJR	1
Fluorene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	6/28/2019	6/29/2019	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.0082	mg/kg	0.0082	0.027	1	M8270C	6/28/2019	6/29/2019	MJR	1
1-Methyl naphthalene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	6/28/2019	6/29/2019	MJR	1
2-Methyl naphthalene	< 0.0147	mg/kg	0.0147	0.049	1	M8270C	6/28/2019	6/29/2019	MJR	1
Naphthalene	< 0.0153	mg/kg	0.0153	0.0486	1	M8270C	6/28/2019	6/29/2019	MJR	1
Phenanthrene	< 0.0071	mg/kg	0.0071	0.024	1	M8270C	6/28/2019	6/29/2019	MJR	1
Pyrene	< 0.0067	mg/kg	0.0067	0.022	1	M8270C	6/28/2019	6/29/2019	MJR	1

Project #

Lab Code 5036398N
 Sample ID EX-13
 Sample Matrix Soil
 Sample Date 6/25/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	93.9	%			1	5021		6/27/2019	NJC	1
Organic										
PAH SIM										
Acenaphthene	< 0.0163	mg/kg	0.0163	0.054	1	M8270C	6/28/2019	6/29/2019	MJR	1
Acenaphthylene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	6/28/2019	6/29/2019	MJR	1
Anthracene	< 0.0043	mg/kg	0.0043	0.014	1	M8270C	6/28/2019	6/29/2019	MJR	1
Benzo(a)anthracene	< 0.016	mg/kg	0.016	0.053	1	M8270C	6/28/2019	6/29/2019	MJR	1
Benzo(a)pyrene	< 0.0124	mg/kg	0.0124	0.041	1	M8270C	6/28/2019	6/29/2019	MJR	1
Benzo(b)fluoranthene	< 0.0109	mg/kg	0.0109	0.036	1	M8270C	6/28/2019	6/29/2019	MJR	1
Benzo(g,h,i)perylene	< 0.0084	mg/kg	0.0084	0.028	1	M8270C	6/28/2019	6/29/2019	MJR	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.03	1	M8270C	6/28/2019	6/29/2019	MJR	1
Chrysene	< 0.006	mg/kg	0.006	0.02	1	M8270C	6/28/2019	6/29/2019	MJR	1
Dibenzo(a,h)anthracene	< 0.0101	mg/kg	0.0101	0.034	1	M8270C	6/28/2019	6/29/2019	MJR	1
Fluoranthene	< 0.0054	mg/kg	0.0054	0.018	1	M8270C	6/28/2019	6/29/2019	MJR	1
Fluorene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	6/28/2019	6/29/2019	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.0082	mg/kg	0.0082	0.027	1	M8270C	6/28/2019	6/29/2019	MJR	1
1-Methyl naphthalene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	6/28/2019	6/29/2019	MJR	1
2-Methyl naphthalene	< 0.0147	mg/kg	0.0147	0.049	1	M8270C	6/28/2019	6/29/2019	MJR	1
Naphthalene	< 0.0153	mg/kg	0.0153	0.0486	1	M8270C	6/28/2019	6/29/2019	MJR	1
Phenanthrene	< 0.0071	mg/kg	0.0071	0.024	1	M8270C	6/28/2019	6/29/2019	MJR	1
Pyrene	< 0.0067	mg/kg	0.0067	0.022	1	M8270C	6/28/2019	6/29/2019	MJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Michael Ricker

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. #	
Account No. :	Quote No.:
Project #:	
Sampler: (signature) <u>T. Powell</u>	

Project (Name / Location): A to Z Sales & Service - Bowler, WI

Reports To:	Invoice To:
Company	Company
Address <u>See pg #1</u>	Address <u>See pg #1</u>
City State Zip	City State Zip
Phone	Phone
FAX	FAX

Analysis Requested										Other Analysis											
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS							PID/ FID	

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
<u>S036378k</u>	<u>EX-10</u>	<u>6/25/19</u>	<u>6:45A</u>		<input checked="" type="checkbox"/>		<u>1</u>	<u>S</u>	<u>-</u>
<u>6</u>	<u>EX-11</u>	<u>↓</u>	<u>7:20A</u>		<input checked="" type="checkbox"/>		<u>↓</u>	<u>↓</u>	<u>-</u>
<u>M</u>	<u>EX-12</u>	<u>↓</u>	<u>7:45A</u>		<input checked="" type="checkbox"/>		<u>↓</u>	<u>↓</u>	<u>-</u>
<u>N</u>	<u>EX-13</u>	<u>↓</u>	<u>9:00A</u>		<input checked="" type="checkbox"/>		<u>↓</u>	<u>↓</u>	<u>-</u>

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

See pg #1

Sample Integrity - To be completed by receiving lab. Method of Shipment: <u>See</u> Temp. of Temp. Blank _____ °C On Ice: <input checked="" type="checkbox"/> Cooler seal intact upon receipt: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Relinquished By: (sign) <u>T. Powell</u>	Time <u>3:20 PM</u>	Date <u>6/25/19</u>	Received By: (sign) _____	Time _____	Date _____
	Received in Laboratory By: <u>[Signature]</u>	Time <u>8:00</u>	Date <u>6/26/19</u>			

Synergy Environmental Lab,

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

KERRY BRIETICK
VILLAGE OF BOWLER
107 W MAIN STREET
BOWLER, WI 54416

Report Date 08-Aug-19

Project Name A-Z SALES AND SERVICE

Invoice # E36568

Project #

Lab Code 5036568A

Sample ID MW-7-4

Sample Matrix Soil

Sample Date 7/30/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	97.3	%			1	5021		8/2/2019	NJC	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	1.65	5.26	1	GRO95/8021		8/7/2019	CJR	1
Benzene	< 0.025	mg/kg	0.018	0.056	1	GRO95/8021		8/7/2019	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		8/7/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		8/7/2019	CJR	1
Naphthalene	< 0.025	mg/kg	0.025	0.01	1	GRO95/8021		8/7/2019	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.055	1	GRO95/8021		8/7/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		8/7/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		8/7/2019	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.026	0.083	1	GRO95/8021		8/7/2019	CJR	1
o-Xylene	< 0.025	mg/kg	0.013	0.056	1	GRO95/8021		8/7/2019	CJR	1

Project #

Lab Code 5036568B

Sample ID MB

Sample Matrix Soil

Sample Date 7/30/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	1.65	5.26	1	GRO95/8021		8/7/2019	CJR	1
Benzene	< 0.025	mg/kg	0.018	0.056	1	GRO95/8021		8/7/2019	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		8/7/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		8/7/2019	CJR	1
Naphthalene	< 0.025	mg/kg	0.025	0.01	1	GRO95/8021		8/7/2019	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.055	1	GRO95/8021		8/7/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		8/7/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		8/7/2019	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.026	0.083	1	GRO95/8021		8/7/2019	CJR	1
o-Xylene	< 0.025	mg/kg	0.013	0.056	1	GRO95/8021		8/7/2019	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Michael Ricker

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No.: _____ Quote No.: _____
Project #: _____
Sampler: (signature) *M. Felix*

Project (Name / Location): *A to Z Sales and Service / Bowler, WI*

Reports To: <i>Kerry Brietick</i>	Invoice To: <i>Kerry Brietick</i>
Company: <i>Village of Bowler</i>	Company: <i>Up METCO</i>
Address: <i>107 W. Main Street</i>	Address: <i>709 Gillette St. Ste 3.</i>
City State Zip: <i>Bowler, WI, 54416</i>	City State Zip: <i>La Crosse, WI 54603</i>
Phone: <i>(715) 793-4410</i>	Phone: <i>(608) 781-8879</i>
FAX: _____	FAX: _____

Analysis Requested										Other Analysis									
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCRA METALS	PID/FID					
X	X						X												
X	X						X												

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
<i>S031516A</i>	<i>MW-7-4</i>	<i>8/1/19</i>	<i>10:00</i>		<i>X</i>	<i>N</i>	<i>2</i>	<i>S</i>	<i>MEOH, NaOH</i>
<i>B</i>	<i>MB</i>	<i>-</i>	<i>-</i>		<i>-</i>	<i>-</i>	<i>1</i>	<i>-</i>	<i>MEOH</i>

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Lab to send copy of report to METCO / Jason P. (Invoice to METCO)

**UTC Rates Apply*

**Agent Status.*

Sample Integrity - To be completed by receiving lab.
Method of Shipment: *GC*
Temp. of Temp. Blank _____ °C On Ice:
Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (sign) <i>M. Felix</i>	Time: <i>11:10</i>	Date: <i>8/1/19</i>	Received By: (sign) _____	Time: _____	Date: _____
Received in Laboratory By: <i>[Signature]</i>	Time: <i>8:00</i>	Date: <i>8/2/19</i>			

Synergy Environmental Lab,

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

KERRY BRIETICK
VILLAGE OF BOWLER
107 W MAIN STREET
BOWLER, WI 54416

Report Date 10-Sep-19

Project Name A TO Z SALES & SERVICE
Project #

Invoice # E36709

Lab Code 5036709A
Sample ID MW-7
Sample Matrix Water
Sample Date 8/27/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		9/3/2019	CWT	1
Organic										
VOC's										
Benzene	0.88	ug/l	0.22	0.71	1	8260B		8/31/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		8/31/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		8/31/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		8/31/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		8/31/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		8/31/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		8/31/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		8/31/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		8/31/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		8/31/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		8/31/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		8/31/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		8/31/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		8/31/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		8/31/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		8/31/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		8/31/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		8/31/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		8/31/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		8/31/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		8/31/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		8/31/2019	CJR	1

Lab Code 5036709A
 Sample ID MW-7
 Sample Matrix Water
 Sample Date 8/27/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		8/31/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		8/31/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		8/31/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		8/31/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		8/31/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		8/31/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		8/31/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		8/31/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		8/31/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		8/31/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		8/31/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		8/31/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		8/31/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		8/31/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		8/31/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		8/31/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		8/31/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		8/31/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		8/31/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		8/31/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		8/31/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		8/31/2019	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		8/31/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		8/31/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		8/31/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		8/31/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		8/31/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		8/31/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		8/31/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		8/31/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		8/31/2019	CJR	1
o-Xylene	2.39	ug/l	0.29	0.93	1	8260B		8/31/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		8/31/2019	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %			1	8260B		8/31/2019	CJR	1
SUR - Dibromofluoromethane	108	REC %			1	8260B		8/31/2019	CJR	1
SUR - Toluene-d8	106	REC %			1	8260B		8/31/2019	CJR	1

Project #

Lab Code 5036709B
 Sample ID MW-4
 Sample Matrix Water
 Sample Date 8/27/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		9/3/2019	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		8/30/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		8/30/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		8/30/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		8/30/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		8/30/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		8/30/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		8/30/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		8/30/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		8/30/2019	CJR	1

Lab Code 5036709C
 Sample ID MW-5
 Sample Matrix Water
 Sample Date 8/27/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		9/3/2019	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	370	ug/l	4.4	14.2	20	8260B		9/5/2019	CJR	1
Ethylbenzene	530	ug/l	5.2	16.6	20	8260B		9/5/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 5.6	ug/l	5.6	17.8	20	8260B		9/5/2019	CJR	1
Naphthalene	115 "J"	ug/l	42	133	20	8260B		9/5/2019	CJR	1
Toluene	1550	ug/l	3.8	12	20	8260B		9/5/2019	CJR	1
1,2,4-Trimethylbenzene	420	ug/l	16	51	20	8260B		9/5/2019	CJR	1
1,3,5-Trimethylbenzene	105	ug/l	12.6	40	20	8260B		9/5/2019	CJR	1
m&p-Xylene	860	ug/l	8.6	27.6	20	8260B		9/5/2019	CJR	1
o-Xylene	620	ug/l	5.8	18.6	20	8260B		9/5/2019	CJR	1

Project

Lab Code 5036709D

Sample ID MW-3

Sample Matrix Water

Sample Date 8/27/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		9/3/2019	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		8/30/2019	CJR	1
Ethylbenzene	15.1	ug/l	0.26	0.83	1	8260B		8/30/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		8/30/2019	CJR	1
Naphthalene	8.2	ug/l	2.1	6.65	1	8260B		8/30/2019	CJR	1
Toluene	1.21	ug/l	0.19	0.6	1	8260B		8/30/2019	CJR	1
1,2,4-Trimethylbenzene	57	ug/l	0.8	2.55	1	8260B		8/30/2019	CJR	1
1,3,5-Trimethylbenzene	17.1	ug/l	0.63	2	1	8260B		8/30/2019	CJR	1
m&p-Xylene	54	ug/l	0.43	1.38	1	8260B		8/30/2019	CJR	1
o-Xylene	5.2	ug/l	0.29	0.93	1	8260B		8/30/2019	CJR	1

Lab Code 5036709E

Sample ID MW-6

Sample Matrix Water

Sample Date 8/27/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		9/3/2019	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	630	ug/l	4.4	14.2	20	8260B		9/5/2019	CJR	1
Ethylbenzene	1710	ug/l	5.2	16.6	20	8260B		9/5/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 5.6	ug/l	5.6	17.8	20	8260B		9/5/2019	CJR	1
Naphthalene	292	ug/l	42	133	20	8260B		9/5/2019	CJR	1
Toluene	6200	ug/l	9.5	30	50	8260B		9/10/2019	CJR	1
1,2,4-Trimethylbenzene	1360	ug/l	16	51	20	8260B		9/5/2019	CJR	1
1,3,5-Trimethylbenzene	350	ug/l	12.6	40	20	8260B		9/5/2019	CJR	1
m&p-Xylene	5500	ug/l	8.6	27.6	20	8260B		9/5/2019	CJR	1
o-Xylene	2340	ug/l	5.8	18.6	20	8260B		9/5/2019	CJR	1

Project

Lab Code 5036709F
 Sample ID MW-2
 Sample Matrix Water
 Sample Date 8/27/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	7.4	ug/L	1.1	3.7	1	7421		9/3/2019	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	4.4	ug/l	0.22	0.71	1	8260B		8/30/2019	CJR	1
Ethylbenzene	33	ug/l	0.26	0.83	1	8260B		8/30/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		8/30/2019	CJR	1
Naphthalene	5.7 "J"	ug/l	2.1	6.65	1	8260B		8/30/2019	CJR	1
Toluene	65	ug/l	0.19	0.6	1	8260B		8/30/2019	CJR	1
1,2,4-Trimethylbenzene	39	ug/l	0.8	2.55	1	8260B		8/30/2019	CJR	1
1,3,5-Trimethylbenzene	11.2	ug/l	0.63	2	1	8260B		8/30/2019	CJR	1
m&p-Xylene	100	ug/l	0.43	1.38	1	8260B		8/30/2019	CJR	1
o-Xylene	34	ug/l	0.29	0.93	1	8260B		8/30/2019	CJR	1

Lab Code 5036709G
 Sample ID MW-1R
 Sample Matrix Water
 Sample Date 8/27/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	39.2	ug/L	2.2	7.4	2	7421		9/3/2019	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	3500	ug/l	22	71	100	8260B		8/30/2019	CJR	1
Ethylbenzene	5800	ug/l	26	83	100	8260B		8/30/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 28	ug/l	28	89	100	8260B		8/30/2019	CJR	1
Naphthalene	560 "J"	ug/l	210	665	100	8260B		8/30/2019	CJR	1
Toluene	41000	ug/l	95	300	500	8260B		9/5/2019	CJR	1
1,2,4-Trimethylbenzene	3160	ug/l	80	255	100	8260B		8/30/2019	CJR	1
1,3,5-Trimethylbenzene	840	ug/l	63	200	100	8260B		8/30/2019	CJR	1
m&p-Xylene	17100	ug/l	43	138	100	8260B		8/30/2019	CJR	1
o-Xylene	7800	ug/l	29	93	100	8260B		8/30/2019	CJR	1

Project #

Lab Code 5036709H
 Sample ID TB
 Sample Matrix Water
 Sample Date 8/27/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		8/30/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		8/30/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		8/30/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		8/30/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		8/30/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		8/30/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		8/30/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		8/30/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		8/30/2019	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Michael Ricker

