



PRESS RELEASE

For Immediate Release:
Monday, September 25, 2017

Contact: Eric Lindman, P.E. Director of Public Works & Utilities-715-261-6745
Robert B. Mielke, Mayor, City of Wausau-715-261-6800

Soil Testing Results - Phase II Thomas Street

The City of Wausau contracted to have six soil borings completed with soil samples taken and analyzed at a state certified testing lab. The City performed these tests as the residents in this area raised concerns about potential contaminants in the soils. Testing results have been received and reviewed with the results attached.

These additional soils testing results confirmed there are no exceedances of regulatory contaminant levels. The results of the testing show any detection levels significantly below regulatory limits. Based on these latest testing results, excavating in this area is not expected to create any environmental hazards during the reconstruction of Thomas Street.

The Mayor's Office hopes this latest round of additional soil testing alleviates the residents' environmental concerns in this area and that the soils are safe for excavating. We can now focus on moving forward with public input related to the design and improvements of the Thomas Street Corridor.

AECOM is preparing a full report of the results for the October 12, 2017 Capital Improvements & Street Maintenance (CISM) Committee meeting where they will be present to go over the report. The results of this testing has been shared with the DNR.



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Memorandum

To: Eric Lindman, City of Wausau

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Cc: Allen Wesolowski and Kevin Fabel, City of Wausau; Ryan Barz, AECOM

Subject: Results for Phase 2 Environmental Sampling Investigation, Thomas Street Phase II

From: Kyle Wagoner

Date: September 21, 2017

Please find the attached tabulated analytical results for six Phase 2 soil borings recently completed by AECOM for the proposed Thomas Street Phase II reconstruction project. Soil boring locations are shown on the attached figures. AECOM's subcontract driller, Geiss Soil & Samples, LLC, advanced and sampled the borings on August 25, 2017.

All six soil borings were sampled within existing Thomas Street right-of-way (Borings B-1, B-2, B-5, and B-6) and city-owned property (Borings B-3 and B-4) located in the immediate vicinity and downgradient of the Wauleco site. Soil boring depths generally matched estimated excavation depths during the future construction.

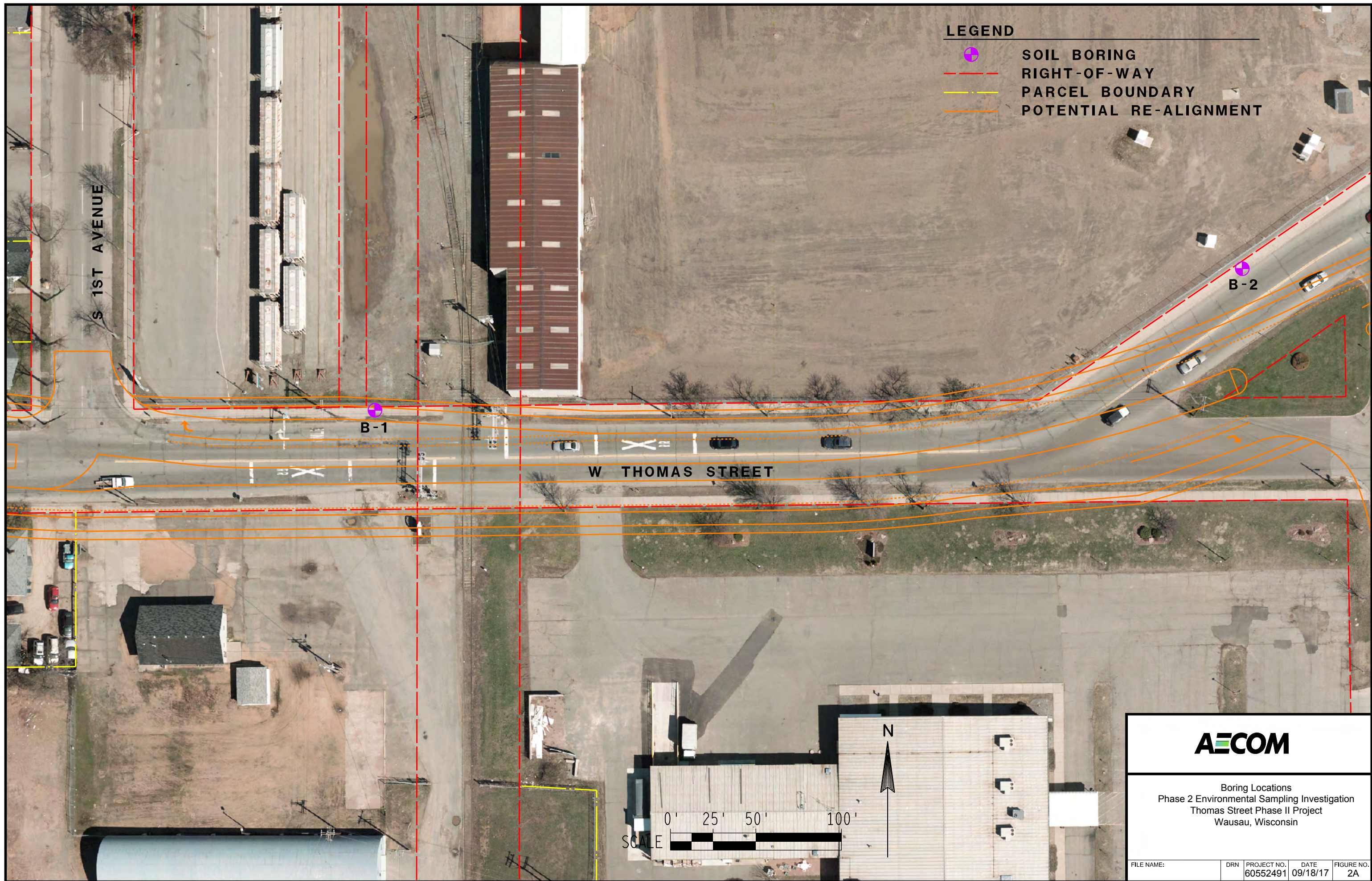
AECOM's subcontract laboratory, Pace Analytical Services (Pace), analyzed shallow and deep soil samples collected from each boring for volatile organic compounds (VOCs), pentachlorophenol (PCP) and daughter compounds, and Dioxins/Furans. Pace reported that VOCs and PCP/daughter compounds were not detected in any of the samples. Various low-level Dioxin and Furan compounds were detected in every soil sample analyzed at concentrations significantly below Wisconsin's Chapter NR 720 Direct Contact Residual Contaminant Levels (D-C RCLs) for industrial and non-industrial sites. The laboratory results reported by Pace and comparisons to Wisconsin regulatory standards for soil are summarized in the attached table.

Pace is currently analyzing one groundwater sample for VOCs, PCP/daughter compounds and Dioxins/Furans. The sample was collected from Boring B-6 at a depth interval of approximately 10-12 feet. The analytical results are anticipated to be available in early October. Groundwater was not encountered in Borings B-1 through B-5.

At your request, the tabulated analytical results and figures have also been provided to Matthew Thompson of the Wisconsin Department of Natural Resources - Eau Claire office for review.

AECOM's final report of the Phase 2 investigation results is anticipated to be completed by mid-October 2017.

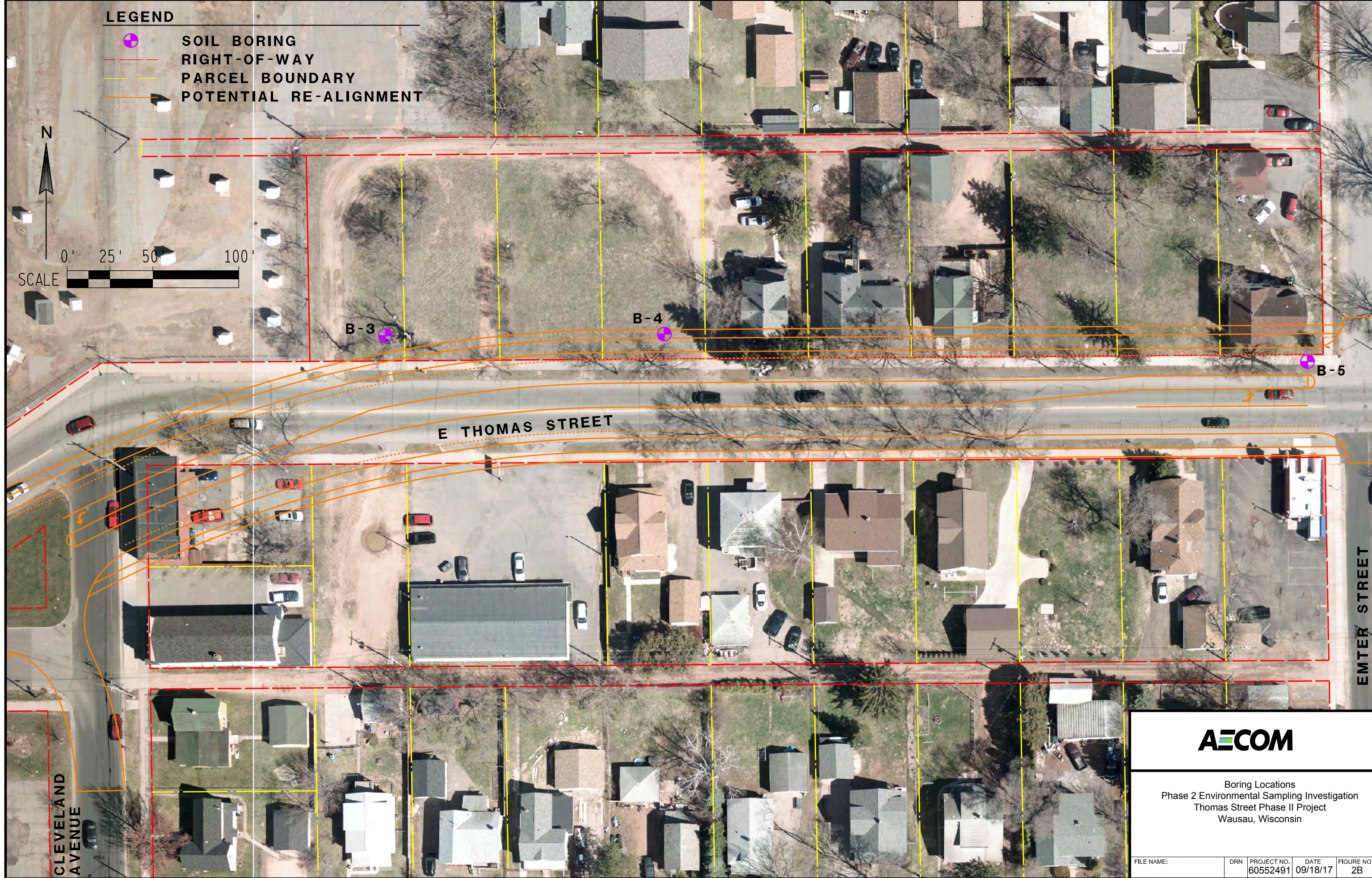
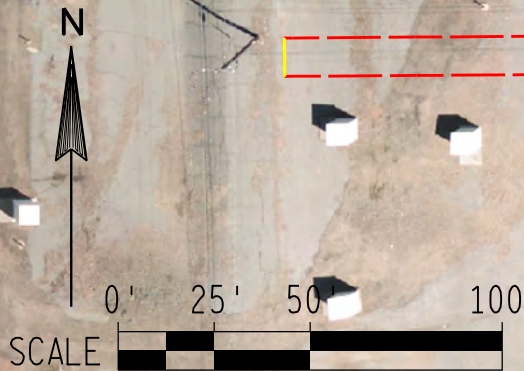
Based on AECOM's review and evaluation of the laboratory analytical results, it is our opinion the Thomas Street Phase II reconstruction project should continue to move forward.



LEGEND

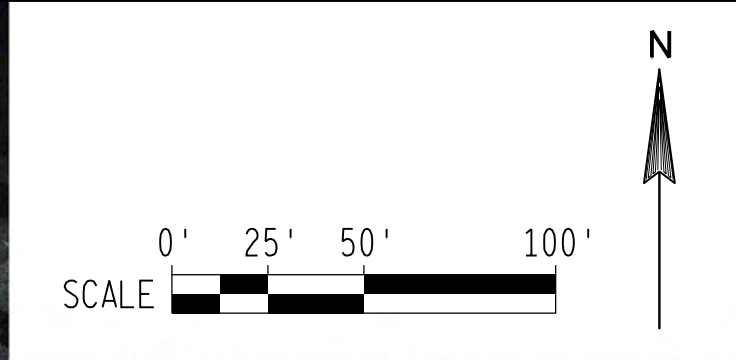
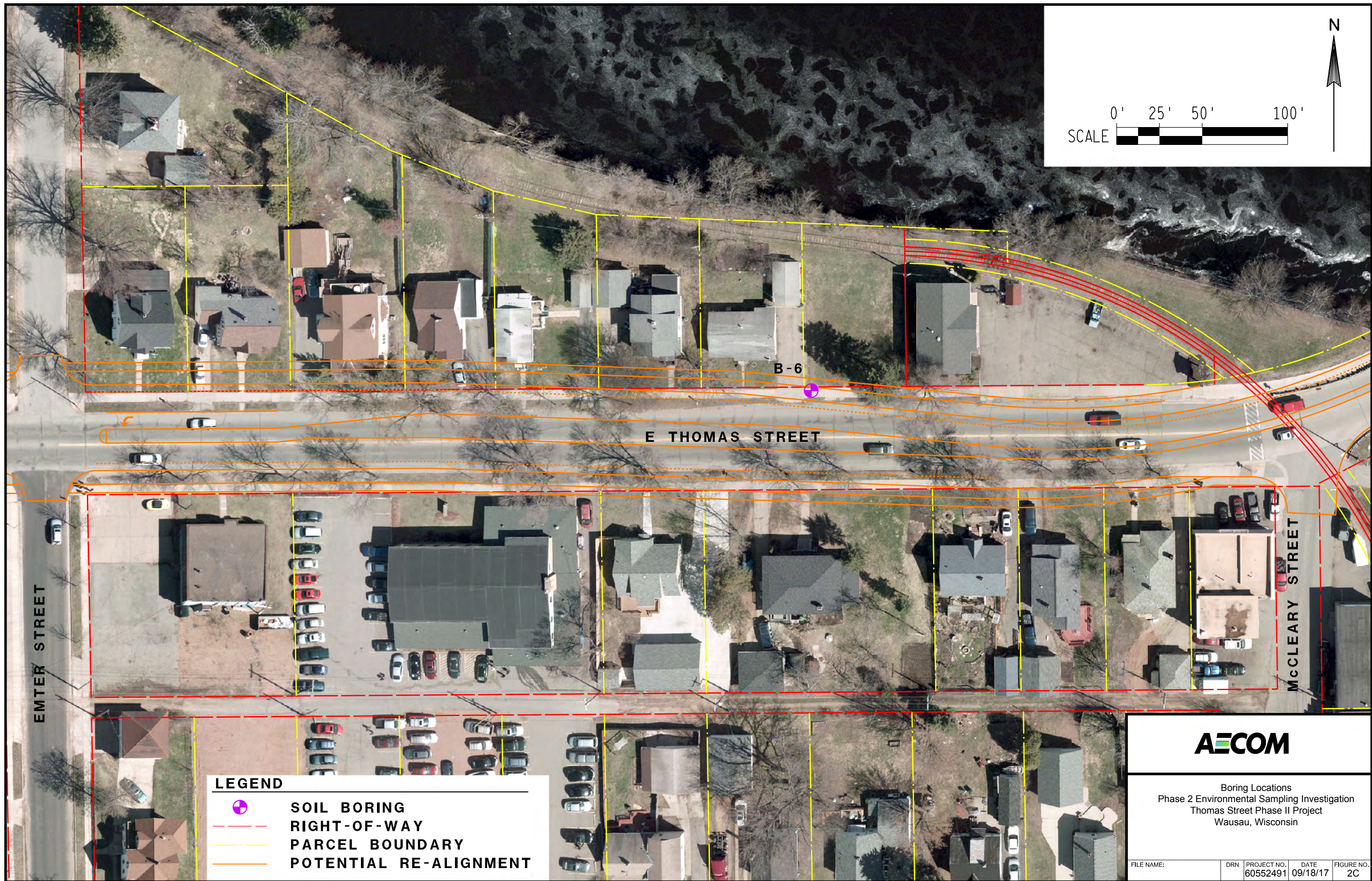


SOIL BORING
RIGHT-OF-WAY
PARCEL BOUNDARY
POTENTIAL RE-ALIGNMENT



Boring Locations
Phase 2 Environmental Sampling Investigation
Thomas Street Phase II Project
Wausau, Wisconsin

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
		60552491	09/18/17	2B







B-6

E THOMAS STREET

EMTER STREET

MCCLEARY STREET

LEGEND

-  SOIL BORING
-  RIGHT-OF-WAY
-  PARCEL BOUNDARY
-  POTENTIAL RE-ALIGNMENT

AECOM

Boring Locations
Phase 2 Environmental Sampling Investigation
Thomas Street Phase II Project
Wausau, Wisconsin

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
		60552491	09/18/17	2C

Table 1
Soil Sample Analytical Results

Phase 2 Environmental Sampling Investigation
Thomas Street Phase II Project
City of Wausau, Wisconsin
AECOM Project No. 60552491

Analyte	Analytical Method	Direct Contact RCLs		Soil-to-Groundwater Pathway RCLs	Results					
		Non-Industrial	Industrial		B-1 1-4'	B-1 4-6'	B-2 1-4'	B-2 6-8'	B-3 1-2'	B-3 10-12'
Soil Boring ID: B-1 B-1 B-2 B-2 B-3 B-3										
Sample Depth (feet): 1-4' 4-6' 1-4' 6-8' 1-2' 10-12'										
Sample Date: 8/25/2017 8/25/2017 8/25/2017 8/25/2017 8/25/2017 8/25/2017										
Sample Matrix: soil soil soil soil soil soil										
PID: <1 <1 <1 <1 <1 <1										
Volatile Organic Compounds (ug/kg)										
Detected VOCs	EPA 8260	--	--	--	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected
Pentachlorophenol and Daughter Products (ug/kg)										
Detected PCP and Daughter Products	EPA 8270	--	--	--	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected
Dioxins and Furans (ug/kg)										
2,3,7,8-TCDF	EPA 8280	0.0484	0.219	NE	<0.00054	<0.00018	<0.0025 D	<0.000096	<1.000080 IJ	<0.000095
Total TCDF	EPA 8280	NE	NE	NE	<0.00054	<0.00018	<0.0025 D	<0.000096	0.0072	<0.000095
2,3,7,8-TCDD	EPA 8280	0.00482	0.0218	0.03	<0.00063	<0.00015	<0.0026 D	<0.00010	<0.000064	<0.00010
Total TCDD	EPA 8280	NE	NE	NE	<0.00063	0.00018 J	<0.0026 D	<0.00010	0.0012	0.00025 J
1,2,3,7,8-PeCDF	EPA 8280	0.164	0.744	NE	<0.00027	<0.00017	<0.0013 D	<0.00012	0.00031 J	<0.000075
2,3,4,7,8-PeCDF	EPA 8280	0.016	0.074	NE	<0.00020	<0.00020	<0.0014 D	<0.000082	0.00095 J	<0.000063
Total PeCDF	EPA 8280	NE	NE	NE	<0.00024	<0.00018	<0.0013 D	<0.00010	0.018	<0.000069
1,2,3,7,8-PeCDD	EPA 8280	0.00493	0.022	NE	<0.00018	<0.00015	<0.0014 D	<0.000085	0.00045 J	<0.00011
Total PeCDD	EPA 8280	NE	NE	NE	<0.00018	<0.00015	<0.0014 D	<0.000085	0.0024 J	<0.00011
1,2,3,4,7,8-HxCDF	EPA 8280	0.0485	0.22	NE	<0.000086	<0.00012	<0.0020 D	<0.000098	0.0014 J	<0.00011
1,2,3,6,7,8-HxCDF	EPA 8280	0.0485	0.22	NE	<0.000084	<0.00011	<0.0020 D	<0.000087	0.0016 J	<0.000086
2,3,4,6,7,8-HxCDF	EPA 8280	0.0493	0.223	NE	<0.000085	<0.00010	<0.0025 D	<0.000075	0.0018 K	<0.000086
1,2,3,7,8,9-HxCDF	EPA 8280	0.0493	0.223	NE	<0.00012	<0.00015	<0.0041 D	<0.00013	<0.00013 IJ	<0.00018
Total HxCDF	EPA 8280	0.0493	NE	NE	<0.000093	<0.00012	0.013 JD	0.00032 J	0.037	<0.00012
1,2,3,4,7,8-HxCDD	EPA 8280	0.0493	0.223	NE	<0.00011	<0.00011	<0.0021 D	<0.00012	<0.00020 IJ	<0.000097
1,2,3,6,7,8-HxCDD	EPA 8280	0.0493	0.223	NE	<0.00010	<0.00011	<0.0019 IJD	<0.00011 IJ	0.0035 J	<0.000086
1,2,3,7,8,9-HxCDD	EPA 8280	0.0493	0.223	NE	<0.000082	<0.00012	<0.0020 D	<0.00012	0.0019 J	<0.000099
Total HxCDD	EPA 8280	0.049	0.223	NE	<0.000098	<0.00011	0.0056 JD	<0.00012	0.025	<0.000094
1,2,3,4,6,7,8-HpCDF	EPA 8280	0.49	2.22	NE	<0.000074	<0.000084	0.0091 JD	0.00022 J	0.023	<0.000057
1,2,3,4,7,8,9-HpCDF	EPA 8280	0.49	2.22	NE	<0.000085	<0.00011	<0.0031 D	<0.00013	0.0010 J	<0.000096
Total HpCDF	EPA 8280	NE	NE	NE	<0.000079	<0.000096	0.030 JD	0.00022	0.051	<0.000077
1,2,3,4,6,7,8-HpCDD	EPA 8280	0.484	2.19	NE	0.00020 J	0.00012 J	0.14 D	0.0020 J	0.065	<0.00014
Total HpCDD	EPA 8280	NE	NE	NE	0.00020 J	0.00033 J	0.24 D	0.0038 J	0.13	<0.00014
OCDF	EPA 8280	16.4	74.4	NE	<0.00017	<0.00014	<0.0030 IJD	0.00051 J	0.033	<0.00014
OCDD	EPA 8280	16.4	74.4	NE	0.00099 BJ	0.00070 BJ	7.5 D	0.050	0.52	0.00027 BJ

Notes:

Direct Contact RCLs are Not-To-Exceed values from the WDNR's NR 720 RCL spreadsheet, updated March 2017.
 Groundwater Pathway RCLs are Soil-to-Groundwater values (DF 2.00) from the WDNR's NR 720 RCL spreadsheet, updated March 2017.
Bold result indicates any RCL exceedance. All results were reported below WI regulatory limits.
 PID: Photoionization Detector
 B: Less than 10x higher than method blank level
 D: Result obtained from analysis of diluted sample
 I: Interference present
 J: Estimated value
 NE: Not Established
 RCL: Residual Contaminant Level
 ug/kg: micrograms per kilogram

Abbreviations:

Dioxins
 TCDD Tetrachlorodibenzo-p-dioxin
 PeCDD Pentachlorodibenzo-p-dioxin
 HxCDD Hexachlorodibenzo-p-dioxin
 HxCDD Hexachlorodibenzo-p-dioxin
 HxCDD Hexachlorodibenzo-p-dioxin
 HpCDD Heptachlorodibenzo-p-dioxin
 OCDD Octachlorodibenzo-p-dioxin

Furans
 TCDF Tetrachlorodibenzofuran
 PeCDF Pentachlorodibenzofuran
 PeCDF Pentachlorodibenzofuran
 HxCDF Hexachlorodibenzofuran
 HxCDF Hexachlorodibenzofuran
 HxCDF Hexachlorodibenzofuran
 HxCDF Hexachlorodibenzofuran
 HpCDF Heptachlorodibenzofuran
 HpCDF Heptachlorodibenzofuran
 OCDF Octachlorodibenzofuran

**Table 1 (Cont.)
Soil Sample Analytical Results**

**Phase 2 Environmental Sampling Investigation
Thomas Street Phase II Project
City of Wausau, Wisconsin
AECOM Project No. 60552491**

Analyte	Analytical Method	Direct Contact RCLs		Soil-to-Groundwater Pathway RCLs	Results					
		Non-Industrial	Industrial		B-4 1-2'	B-4 10-12'	B-5 1-4'	B-5 10-12'	B-6 1-4'	B-6 8-10'
Soil Boring ID:										
Sample Depth (feet):										
Sample Date:										
Sample Matrix:										
PID:										
Volatile Organic Compounds (ug/kg)										
Detected VOCs	EPA 8260	--	--	--	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected
Pentachlorophenol and Daughter Products (ug/kg)										
Detected PCP and Daughter Products	EPA 8270	--	--	--	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected
Dioxins and Furans (ug/kg)										
2,3,7,8-TCDF	EPA 8280	0.0484	0.219	NE	<0.00011	<0.000071	<0.000068	<0.000052	<0.00011	<0.000090
Total TCDF	EPA 8280	NE	NE	NE	<0.00011	<0.000071	<0.000068	<0.000052	<0.00011	<0.000090
2,3,7,8-TCDD	EPA 8280	0.00482	0.0218	0.03	<0.000094	<0.000094	<0.000079	<0.000079	<0.00011	<0.000071
Total TCDD	EPA 8280	NE	NE	NE	0.00014 J	0.00017 J	<0.000079	0.00016 J	<0.00011	0.00032 J
1,2,3,7,8-PeCDF	EPA 8280	0.164	0.744	NE	<0.000057	<0.000097	<0.000096	<0.000087	<0.00019	<0.00012
2,3,4,7,8-PeCDF	EPA 8280	0.016	0.074	NE	<0.000033	<0.000049	<0.000056	<0.000049	<0.00010	<0.000060
Total PeCDF	EPA 8280	NE	NE	NE	<0.000045	<0.000073	<0.000076	<0.000068	<0.00014	0.00045 J
1,2,3,7,8-PeCDD	EPA 8280	0.00493	0.022	NE	<0.000046	<0.000084	<0.000062	<0.000069	<0.000087	<0.000075
Total PeCDD	EPA 8280	NE	NE	NE	<0.000046	<0.000084	<0.000062	<0.000069	<0.000087	<0.000075
1,2,3,4,7,8-HxCDF	EPA 8280	0.0485	0.22	NE	<0.000061	<0.000054	<0.000041	<0.000040	<0.000065	<0.000074
1,2,3,6,7,8-HxCDF	EPA 8280	0.0485	0.22	NE	<0.000061	<0.000045 IJ	<0.000030	<0.000036	<0.000053	<0.000071
2,3,4,6,7,8-HxCDF	EPA 8280	0.0493	0.223	NE	<0.000068	<0.000039	<0.000040	<0.000037	<0.000055	<0.000063
1,2,3,7,8,9-HxCDF	EPA 8280	0.0493	0.223	NE	<0.00013	<0.000056	<0.000049	<0.000045	<0.000068	<0.000058
Total HxCDF	EPA 8280	0.0493	NE	NE	<0.000081	<0.000048	<0.000040	<0.000040	<0.000060	0.00017 J
1,2,3,4,7,8-HxCDD	EPA 8280	0.0493	0.223	NE	<0.000055	<0.000075	<0.000069	<0.000054	<0.000096	<0.000066
1,2,3,6,7,8-HxCDD	EPA 8280	0.0493	0.223	NE	<0.000093	<0.000061	<0.000055	<0.000054	<0.000087	<0.000081
1,2,3,7,8,9-HxCDD	EPA 8280	0.0493	0.223	NE	<0.000094	<0.000071	<0.000061	<0.000053	<0.000090	<0.000073
Total HxCDD	EPA 8280	0.049	0.223	NE	<0.000081	<0.000069	<0.000062	0.00013 J	0.00013 J	0.00010 J
1,2,3,4,6,7,8-HpCDF	EPA 8280	0.49	2.22	NE	0.00019 J	<0.000055	0.000048 J	0.000068 J	<0.000093	0.00011 J
1,2,3,4,7,8,9-HpCDF	EPA 8280	0.49	2.22	NE	<0.00057	<0.000074	<0.000054 IJ	<0.000059	0.00013 J	<0.000074
Total HpCDF	EPA 8280	NE	NE	NE	0.00033 J	<0.000065	0.000048 J	0.000068 J	<0.00016 IJ	0.00011 J
1,2,3,4,6,7,8-HpCDD	EPA 8280	0.484	2.19	NE	0.00046 J	<0.00018 IJ	0.00028 J	<0.00013 IJ	<0.00016 IJ	<0.00015 IJ
Total HpCDD	EPA 8280	NE	NE	NE	0.00091 J	<0.00018	0.00028 J	0.00057 J	<0.00016	0.00080 J
OCDF	EPA 8280	16.4	74.4	NE	0.00023 J	<0.00017	<0.00013	<0.00014 IJ	0.00026 J	0.00011 IJ
OCDD	EPA 8280	16.4	74.4	NE	0.0031 J	0.0054 J	0.0046 J	0.0060 J	0.0056 J	0.0064 J

Notes:

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Abbreviations:

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HxCDD Hexachlorodibenzo-p-dioxin	HxCDF Hexachlorodibenzofuran
HpCDD Heptachlorodibenzo-p-dioxin	HxCDF Hexachlorodibenzofuran
OCDD Octachlorodibenzo-p-dioxin	HxCDF Hexachlorodibenzofuran
	HpCDF Heptachlorodibenzofuran
	HpCDF Heptachlorodibenzofuran
	OCDF Octachlorodibenzofuran