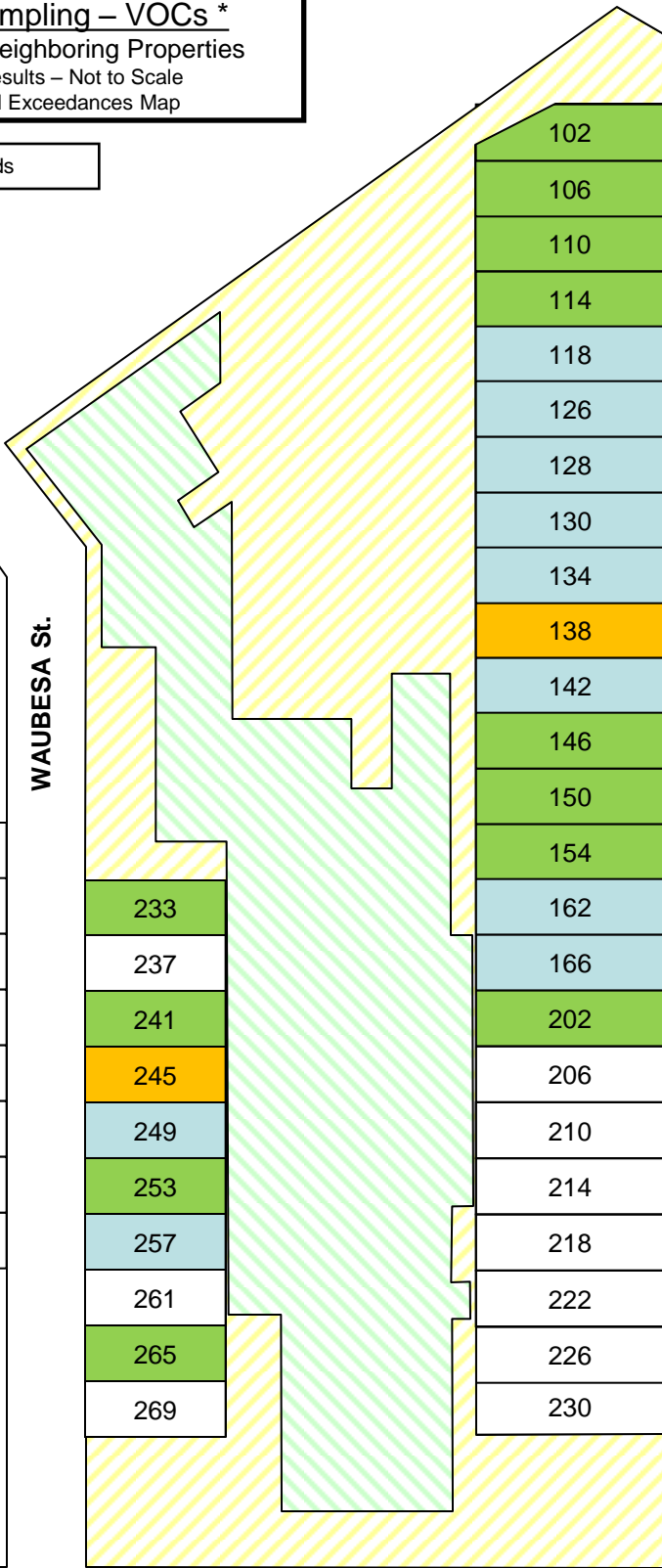


Residential Soil Sampling – VOCs *
Madison Kipp Corp. & Neighboring Properties
 April and June 2012 Results – Not to Scale
 *see also VOCs & PAH Exceedances Map

VOCs – volatile organic compounds

VOCs Detected*
 VOCs Not Detected
 Results Pending
 House Not Tested



230
234
238
242
246
250
254
256

233
237
241
245
249
253
257
261
265
269

102
106
110
114
118
126
128
130
134
138
142
146
150
154
162
166
202
206
210
214
218
222
226
230

FAIRVIEW St.

ATWOOD Ave.

S. MARQUETTE St.



CITY: MKE DIV/GROUP: IM DB: GM LD: CK MADISON-KIPP
 I:\Madison_Kipp\Madison_Kipp\2013\Fig5-1_SoilVOCs_0to2.mxd

LEGEND

- CONCENTRATIONS REPORTED BELOW LABORATORY DETECTION LIMITS OR ANALYTE(S) DETECTED, BUT BELOW INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINANT LEVEL.
- CONCENTRATIONS DETECTED ABOVE INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINANT LEVEL.
- ▭ PARCELS
- ▭ BUILDING FOOTPRINTS

0 100 200
 Feet

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 MADISON, WISCONSIN
 SITE INVESTIGATION AND INTERIM
 ACTIONS REPORT FEBRUARY 2012 – JANUARY 2013

ON-SITE SOIL VOC RESULTS, 0 TO 2 FEET

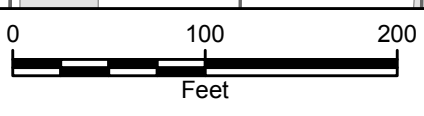
ARCADIS | **FIGURE 5-1**

CITY: MKE DIV/GRUP: IM DB: GM LD: CK MADISON-KIPP
 I:\Madison_Kipp\Madison_Kipp\2013\Fig5-2_SoilVOCs_2to4.mxd 3/13/2013 5:40:58 PM



LEGEND

- CONCENTRATIONS REPORTED BELOW LABORATORY DETECTION LIMITS OR ANALYTE(S) DETECTED, BUT BELOW INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINANT LEVEL.
- ▭ PARCELS
- BUILDING FOOTPRINTS



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**SITE INVESTIGATION AND INTERIM
 ACTIONS REPORT FEBRUARY 2012 – JANUARY 2013**

ON-SITE SOIL VOC RESULTS, 2 TO 4 FEET


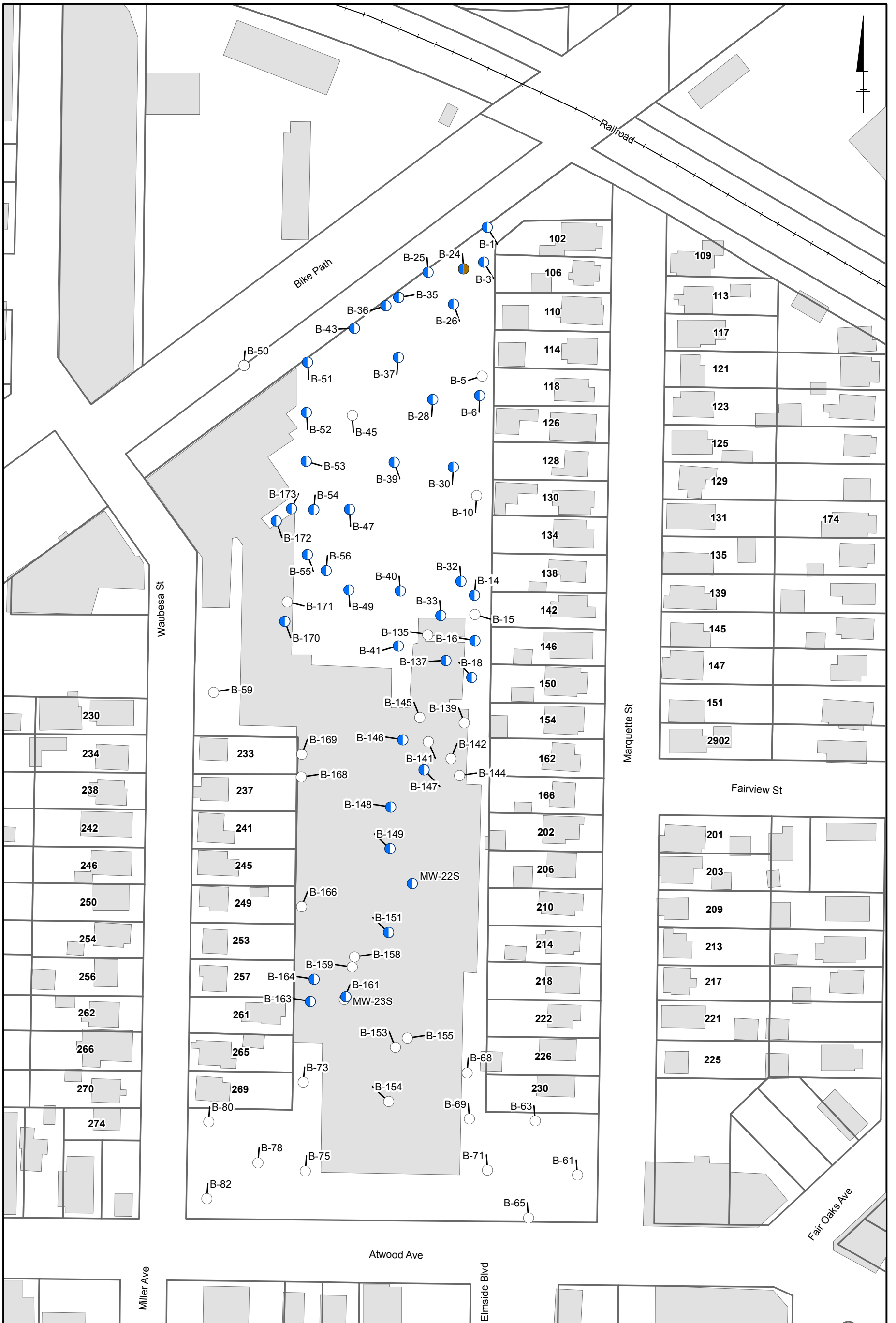


FIGURE 5-2

R/N Environmental Services, LLC
 SURFACE WATER STUDIES
 GROUNDWATER STUDIES
 SITE INVESTIGATIONS

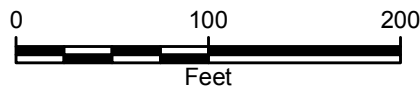


CITY: MKE DIV/GRUOP: IM_DB: GM_LD: CK MADISON-KIPP
 I:\Madison_Kipp\Madison_Kipp\2013\Fig5-3_SoilVOCs_4.mxd 3/13/2013 5:42:20 PM

LEGEND

- CONCENTRATIONS REPORTED BELOW LABORATORY DETECTION LIMITS OR ANALYTE(S) DETECTED, BUT BELOW RESIDUAL CONTAMINANT LEVELS.
- CONCENTRATIONS DETECTED ABOVE SOIL TO GROUNDWATER PATHWAY RESIDUAL CONTAMINANT LEVEL.
- CONCENTRATIONS DETECTED ABOVE INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINANT LEVEL.

- PARCELS
- BUILDING FOOTPRINTS

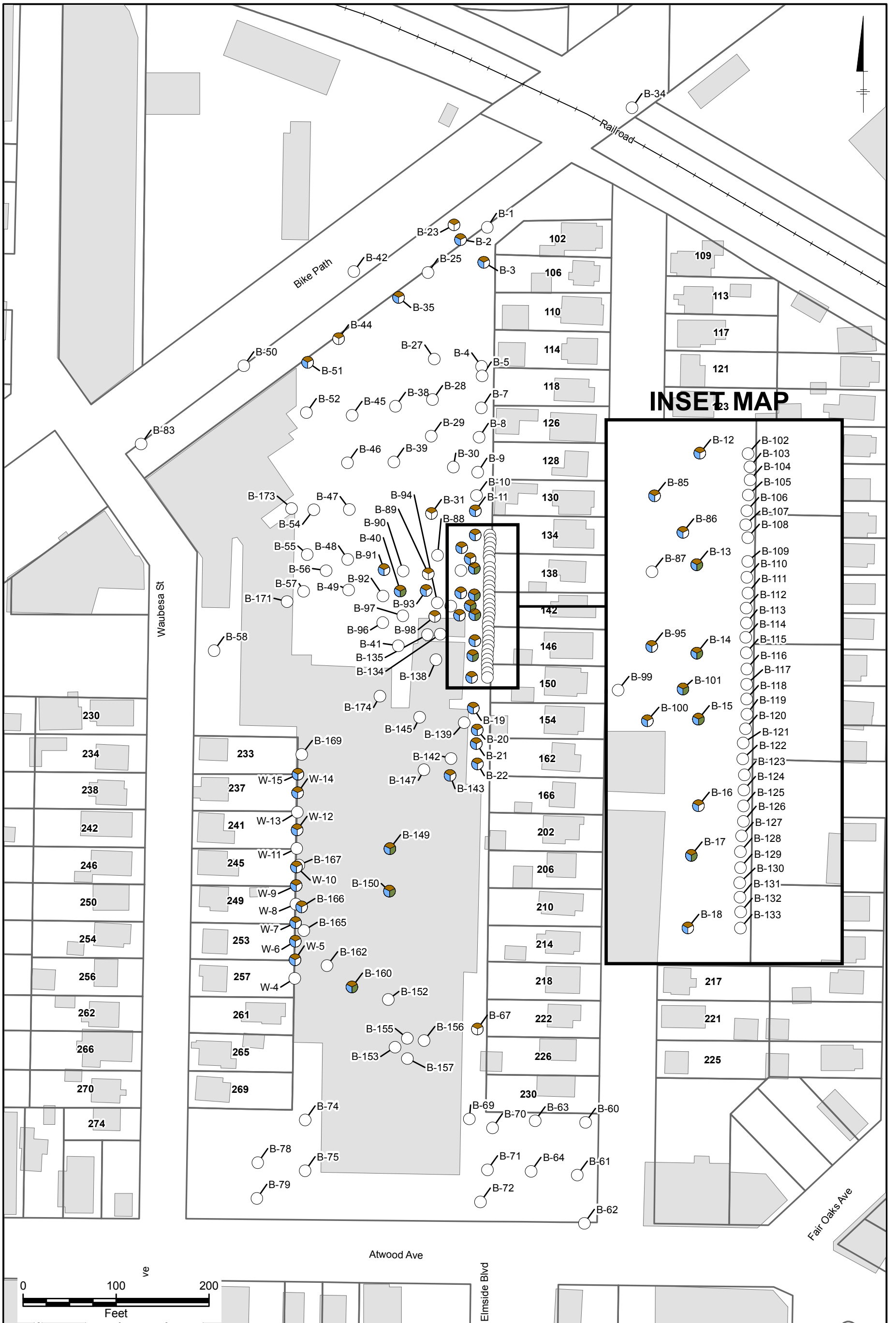


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 MADISON, WISCONSIN
 SITE INVESTIGATION AND INTERIM
 ACTIONS REPORT FEBRUARY 2012 – JANUARY 2013

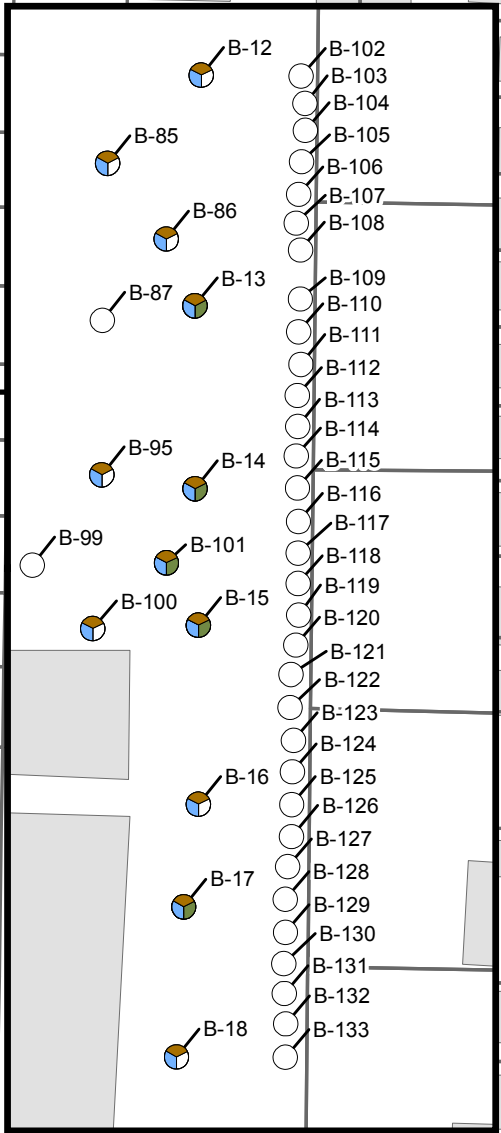
**ON-SITE SOIL VOC RESULTS,
 GREATER THAN 4 FEET**



FIGURE
5-3



INSET MAP



CITY: MKE DIV/GRUOP: IM DB: GM LD: CK MADISON-KIPP
I:\Madison_Kipp\Madison_Kipp\2013\Fig5-4_SoilPCBs_0to2.mxd 3/13/2013, 5:48:31 PM

LEGEND

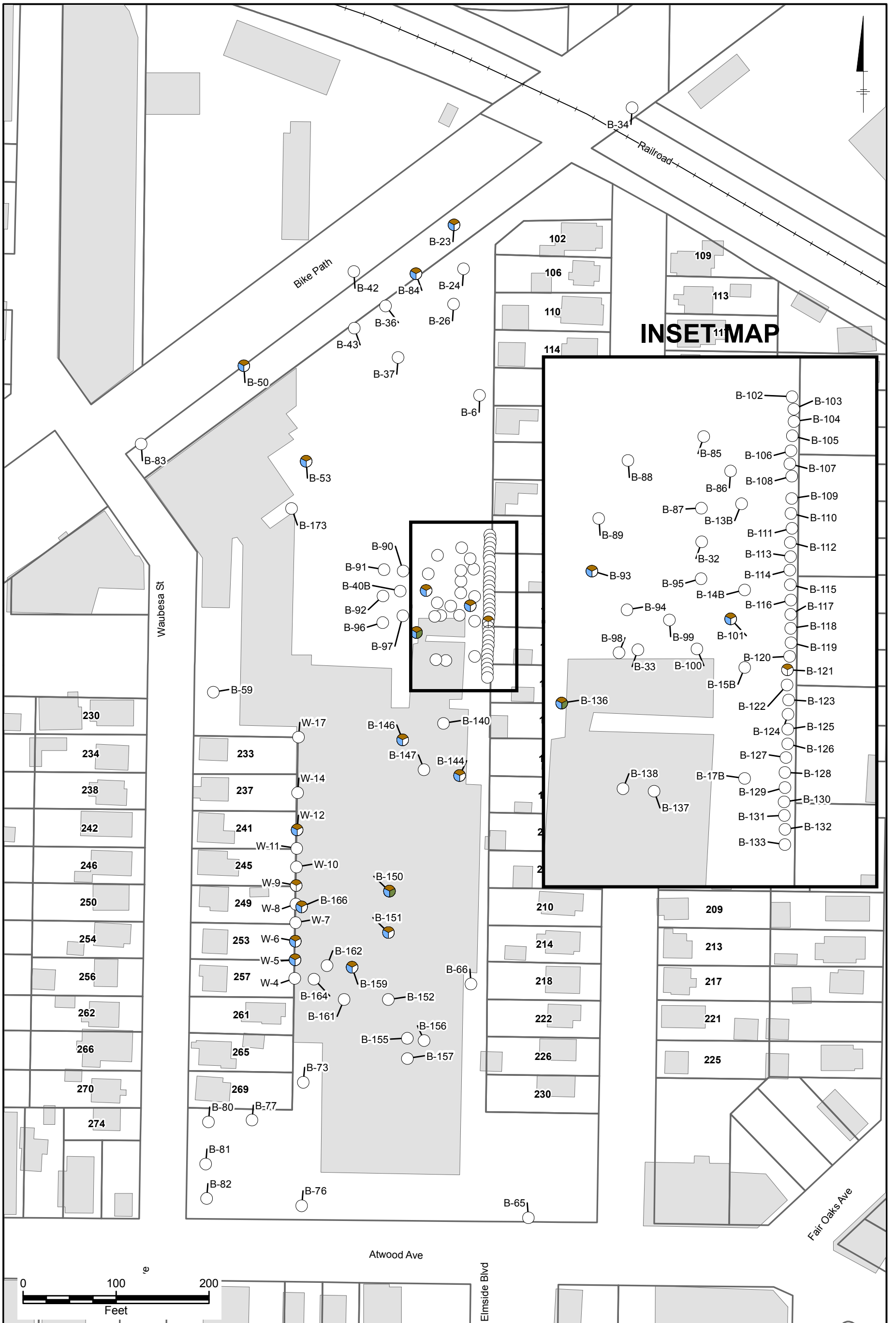
- CONCENTRATIONS REPORTED BELOW LABORATORY DETECTION LIMITS OR ANALYTE(S) DETECTED, BUT BELOW RESIDUAL CONTAMINANT LEVELS.
- CONCENTRATIONS DETECTED ABOVE INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINANT LEVEL.
- CONCENTRATIONS DETECTED ABOVE THE HIGH OCCUPANCY SELF-CLEANUP LEVEL.
- CONCENTRATIONS DETECTED ABOVE THE TOXIC SUBSTANCES CONTROL ACT LIMIT.
- PARCELS
- BUILDING FOOTPRINTS

MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN
**SITE INVESTIGATION AND INTERIM
ACTIONS REPORT FEBRUARY 2012 – JANUARY 2013**

ON-SITE SOIL PCB RESULTS, 0 TO 2 FEET



**FIGURE
5-4**



CITY: MKE DIV/GRUOP: IM DB: GM LD: CK MADISON-KIPP
 I:\Madison_Kipp\Madison_Kipp\2013\Fig5-5_SoilPCBs_2to4.mxd 3/13/2013, 5:50:41 PM

LEGEND

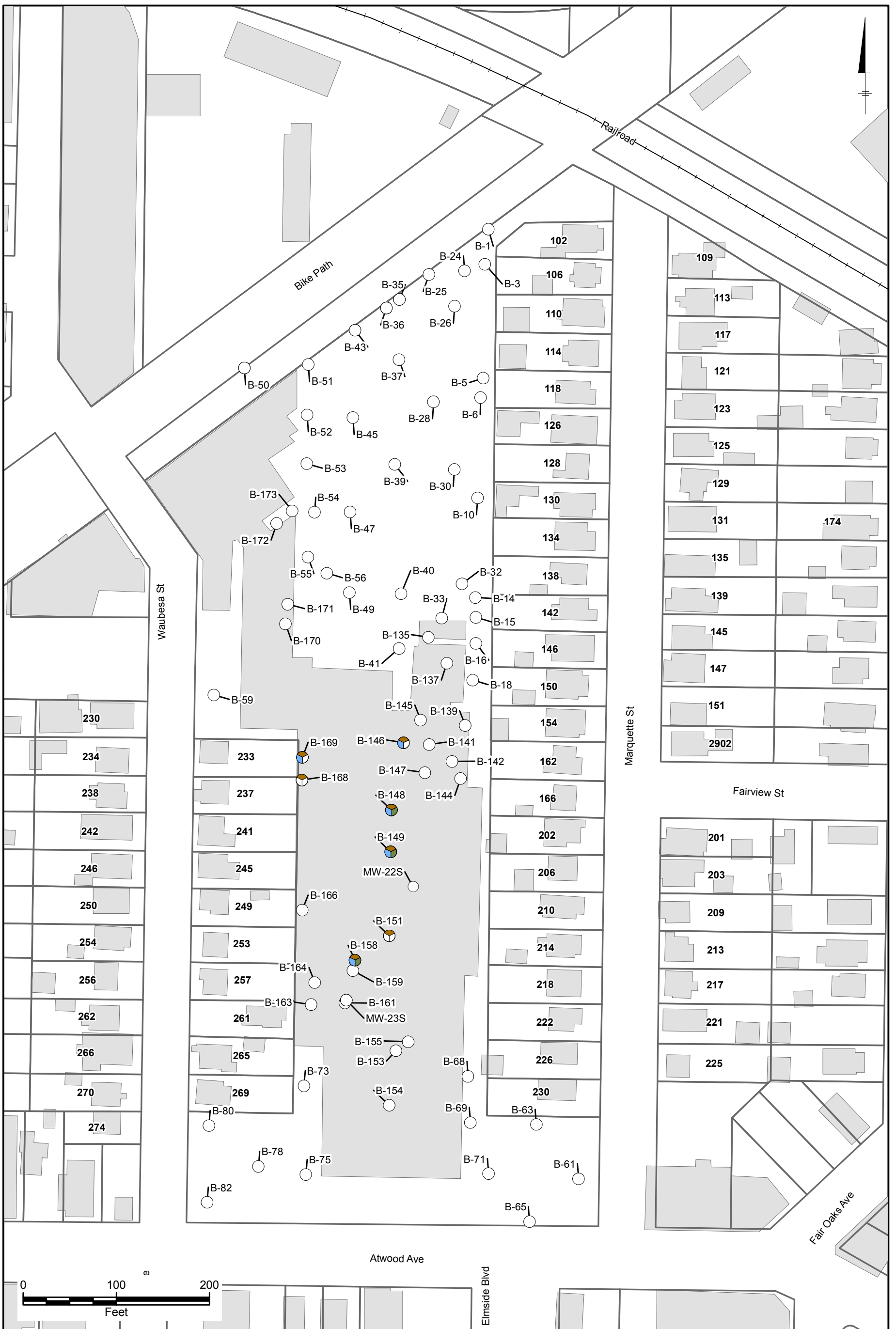
- CONCENTRATIONS REPORTED BELOW LABORATORY DETECTION LIMITS OR ANALYTE(S) DETECTED, BUT BELOW RESIDUAL CONTAMINANT LEVELS.
- CONCENTRATIONS DETECTED ABOVE INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINANT LEVEL.
- CONCENTRATIONS DETECTED ABOVE THE HIGH OCCUPANCY SELF-CLEANUP LEVEL.
- CONCENTRATIONS DETECTED ABOVE THE TOXIC SUBSTANCES CONTROL ACT LIMIT.
- PARCELS
- BUILDING FOOTPRINTS

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ON-SITE SOIL PCB RESULTS, 2 TO 4 FEET

**FIGURE
5-5**

CITY: MKE DIV/GRUOP: IM_DB: GM LD: CK MADISON-KIPP
 I:\Madison_Kipp\Madison_Kipp\2013\Fig5-6_SoilPCB_4.mxd 3/13/2013, 5:52:17 PM



LEGEND

- CONCENTRATIONS REPORTED BELOW LABORATORY DETECTION LIMITS OR ANALYTE(S) DETECTED, BUT BELOW RESIDUAL CONTAMINANT LEVELS.
- CONCENTRATIONS DETECTED ABOVE INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINANT LEVEL.
- CONCENTRATIONS DETECTED ABOVE THE HIGH OCCUPANCY SELF-CLEANUP LEVEL.
- CONCENTRATIONS DETECTED ABOVE THE TOXIC SUBSTANCES CONTROL ACT LIMIT.
- PARCELS
- BUILDING FOOTPRINTS

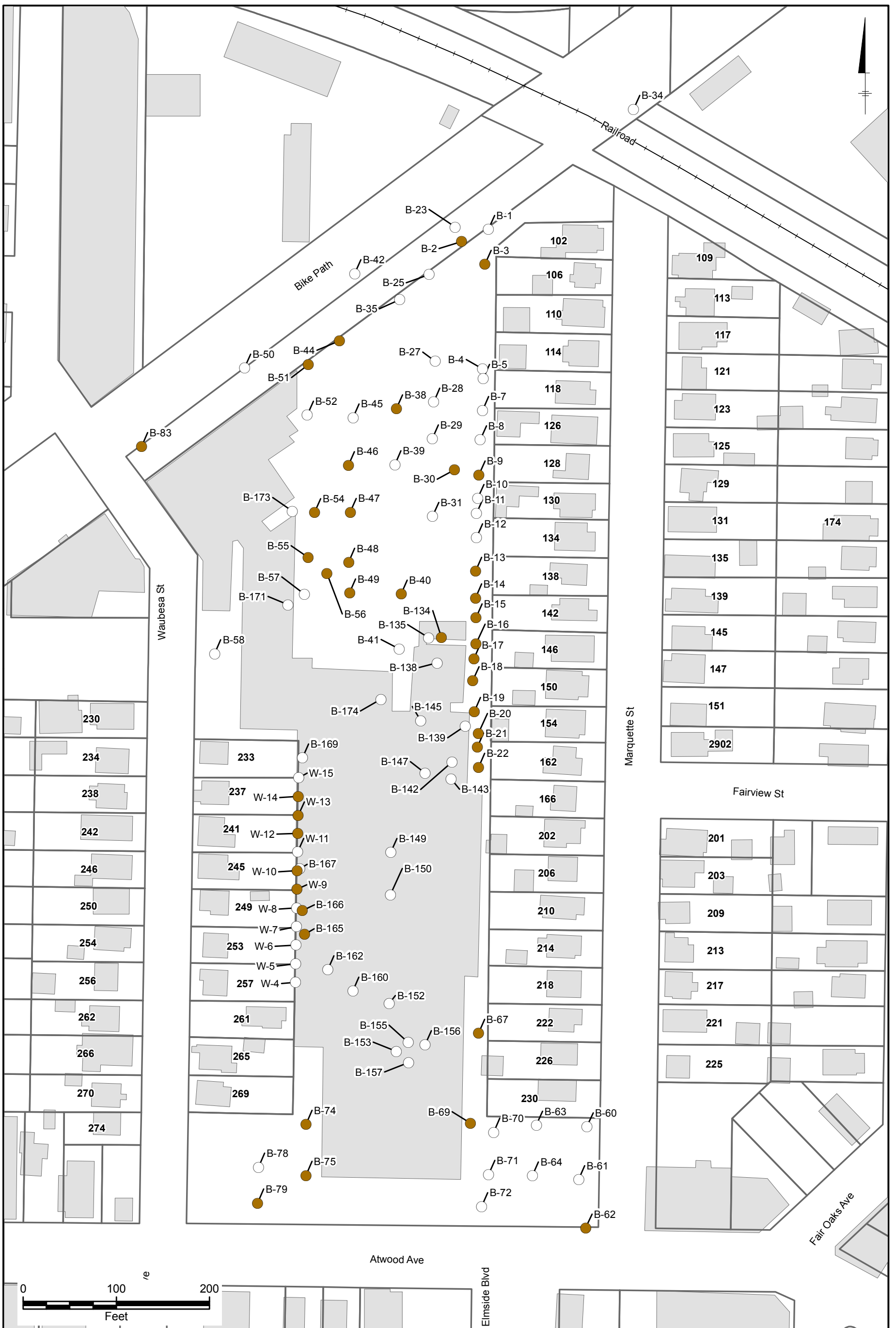
MADISON-KIPP CORPORATION
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 MADISON, WISCONSIN
 SITE INVESTIGATION AND INTERIM
 ACTIONS REPORT FEBRUARY 2012 – JANUARY 2013

**ON-SITE SOIL PCB RESULTS,
 GREATER THAN 4 FEET**



FIGURE
5-6

CITY: MKE DIV/GRUP: IM_DB: GM_LD: CK MADISON-KIPP
 I:\Madison_Kipp\Madison_Kipp\2013\Fig5-7_SoilPAH_0to2.mxd 3/13/2013, 5:54:23 PM



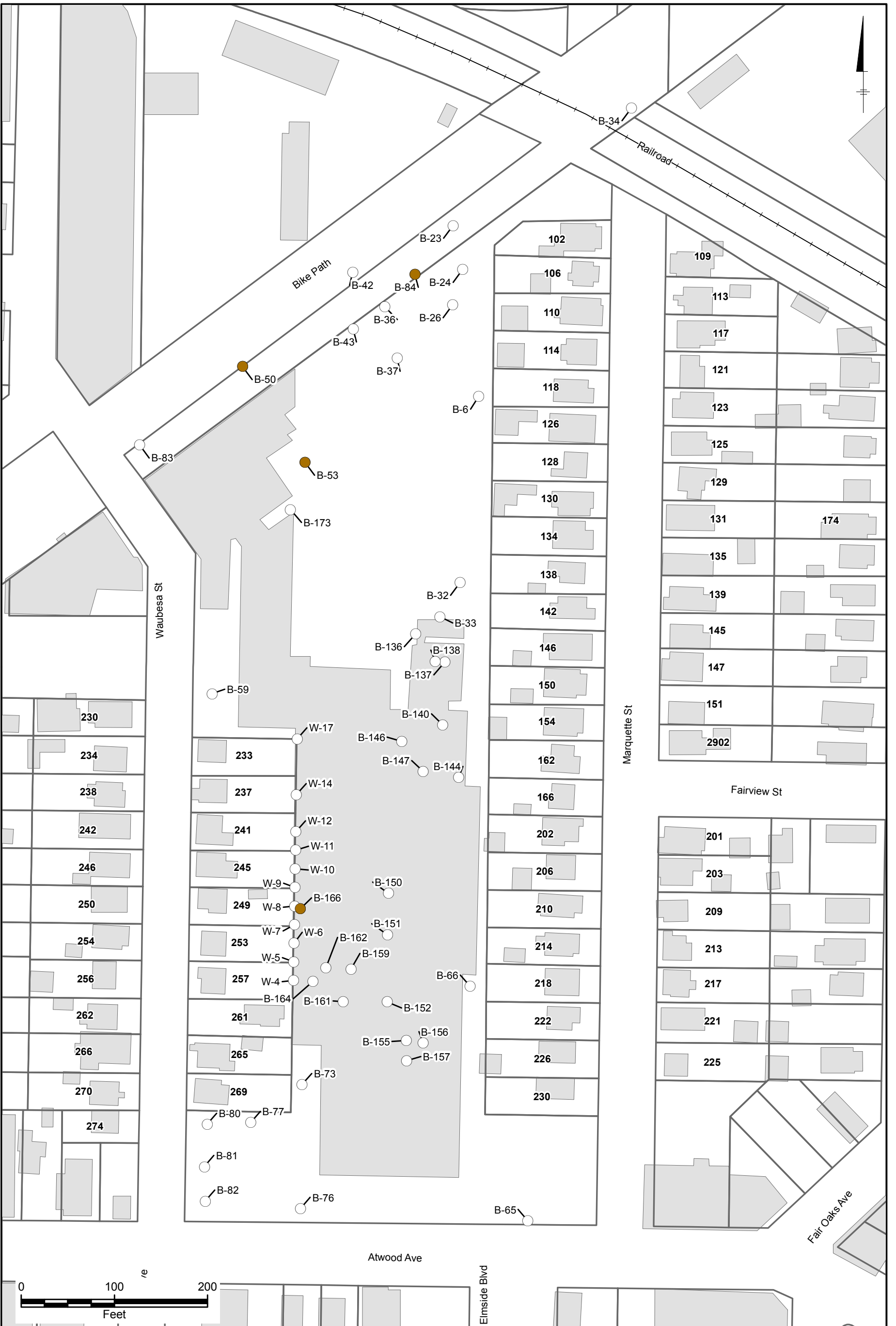
LEGEND

	CONCENTRATIONS REPORTED BELOW LABORATORY DETECTION LIMITS OR ANALYTE(S) DETECTED, BUT BELOW RESIDUAL CONTAMINANT LEVELS.		PARCELS
	CONCENTRATIONS DETECTED ABOVE INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINANT LEVEL.		BUILDING FOOTPRINTS

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**SITE INVESTIGATION AND INTERIM
 ACTIONS REPORT FEBRUARY 2012 – JANUARY 2013**

ON-SITE SOIL PAH RESULTS, 0 TO 2 FEET

		FIGURE 5-7
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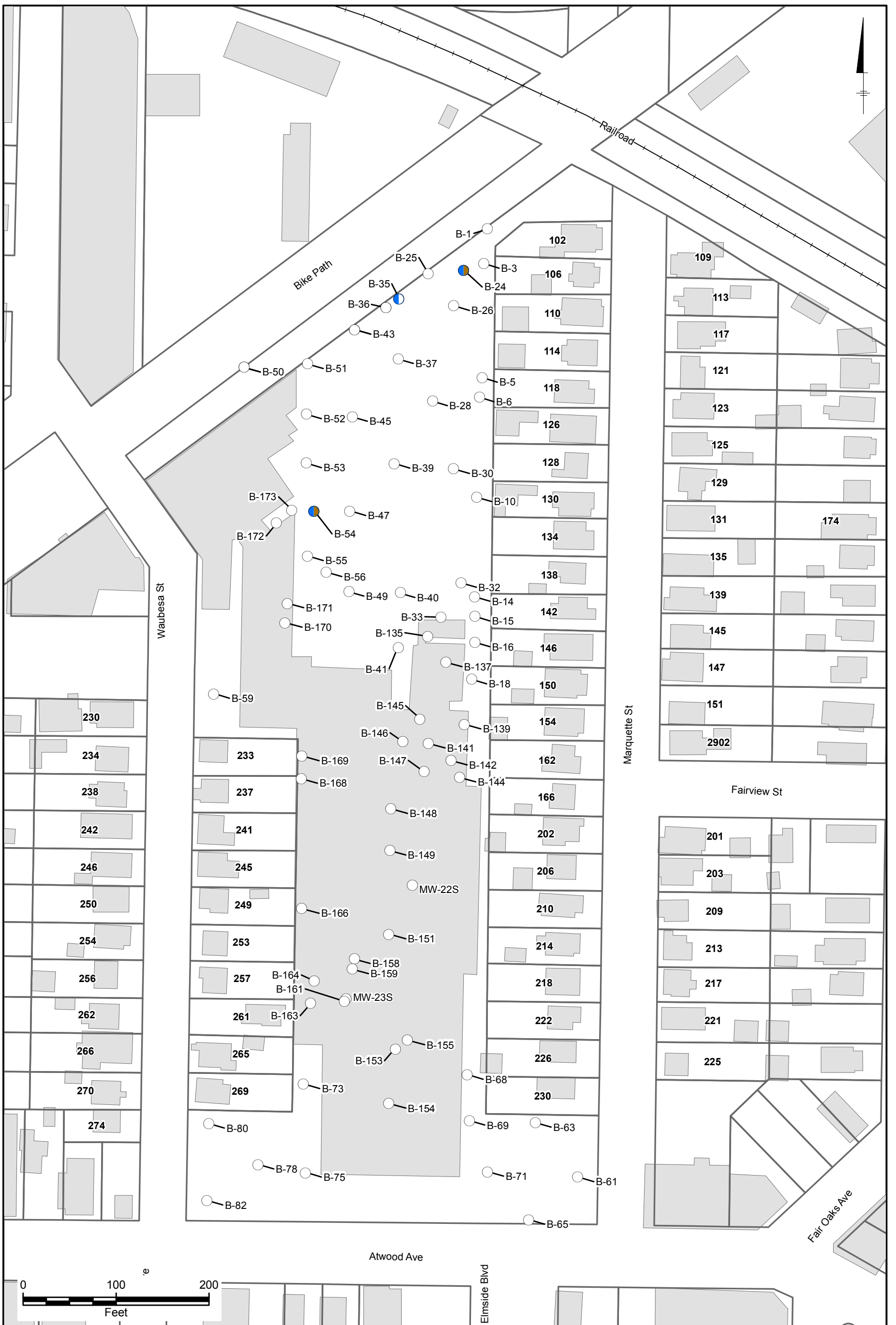
CITY: MKE DIV/GROUP: IM DB: GM LD: CK MADISON-KIPP
 I:\Madison_Kipp\Madison_Kipp\2013\Fig5-8_SoilPAHs_2b4.mxd

<p>LEGEND</p> <p>○ CONCENTRATIONS REPORTED BELOW LABORATORY DETECTION LIMITS OR ANALYTE(S) DETECTED, BUT BELOW RESIDUAL CONTAMINANT LEVELS.</p> <p>● CONCENTRATIONS DETECTED ABOVE INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINANT LEVEL.</p>	<p>□ PARCELS</p> <p>■ BUILDING FOOTPRINTS</p>
---	---

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 ACTIONS REPORT FEBRUARY 2012 – JANUARY 2013**

ON-SITE SOIL PAH RESULTS, 2 TO 4 FEET

		<p>FIGURE 5-8</p>
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CITY: MKE DIV/GRUP: IM DB: GM LD: CK MADISON-KIPP
 I:\Madison_Kipp\Madison_Kipp\2013\Fig5-9_SoilPAH_4.mxd

- LEGEND**
- CONCENTRATIONS REPORTED BELOW LABORATORY DETECTION LIMITS OR ANALYTE(S) DETECTED, BUT BELOW RESIDUAL CONTAMINANT LEVELS.
 - CONCENTRATIONS DETECTED ABOVE SOIL TO GROUNDWATER PATHWAY RESIDUAL CONTAMINANT LEVEL.
 - CONCENTRATIONS DETECTED ABOVE INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINANT LEVEL.
 - ▭ PARCELS
 - ▭ BUILDING FOOTPRINTS

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**SITE INVESTIGATION AND INTERIM
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**ON-SITE SOIL PAH RESULTS,
GREATER THAN 4 FEET**







**FIGURE
5-9**



CITY: MKE DIV: GROUP: IM DB: GM LD: CK MADISON-KIPP
I:\Madison_Kipp\Madison_Kipp\2013\Fig5-10_SoilMetals_0to2.mxd

LEGEND

	CONCENTRATIONS REPORTED BELOW LABORATORY DETECTION LIMITS OR ANALYTE(S) DETECTED, BUT BELOW RESIDUAL CONTAMINANT LEVELS.		PARCELS
	CONCENTRATIONS DETECTED ABOVE INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINANT LEVEL.		BUILDING FOOTPRINTS

NOTES:
 1. ARSENIC CONCENTRATIONS WERE DETERMINED TO BE NATURALLY OCCURRING AND THUS NOT INCLUDED ON THIS FIGURE.
 2. RCRA - RESOURCE CONSERVATION RECOVERY ACT

0 100 200
 Feet

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ON-SITE SOIL RCRA METALS RESULTS, 0 TO 2 FEET

  **FIGURE 5-10**

R/N Environmental Services, LLC
 SURFACE WATER STUDIES
 GROUNDWATER STUDIES
 SITE INVESTIGATIONS



CITY: MKE DIV/GRUP: IM DB: GM LD: CK MADISON-KIPP
I:\Madison_Kipp\Madison_Kipp\2013\Fig5-11_SoilMetals_2.txd.mxd

LEGEND

	CONCENTRATIONS REPORTED BELOW LABORATORY DETECTION LIMITS OR ANALYTE(S) DETECTED, BUT BELOW RESIDUAL CONTAMINANT LEVELS.		PARCELS
	CONCENTRATIONS DETECTED ABOVE INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINANT LEVEL.		BUILDING FOOTPRINTS

0 100 200
Feet

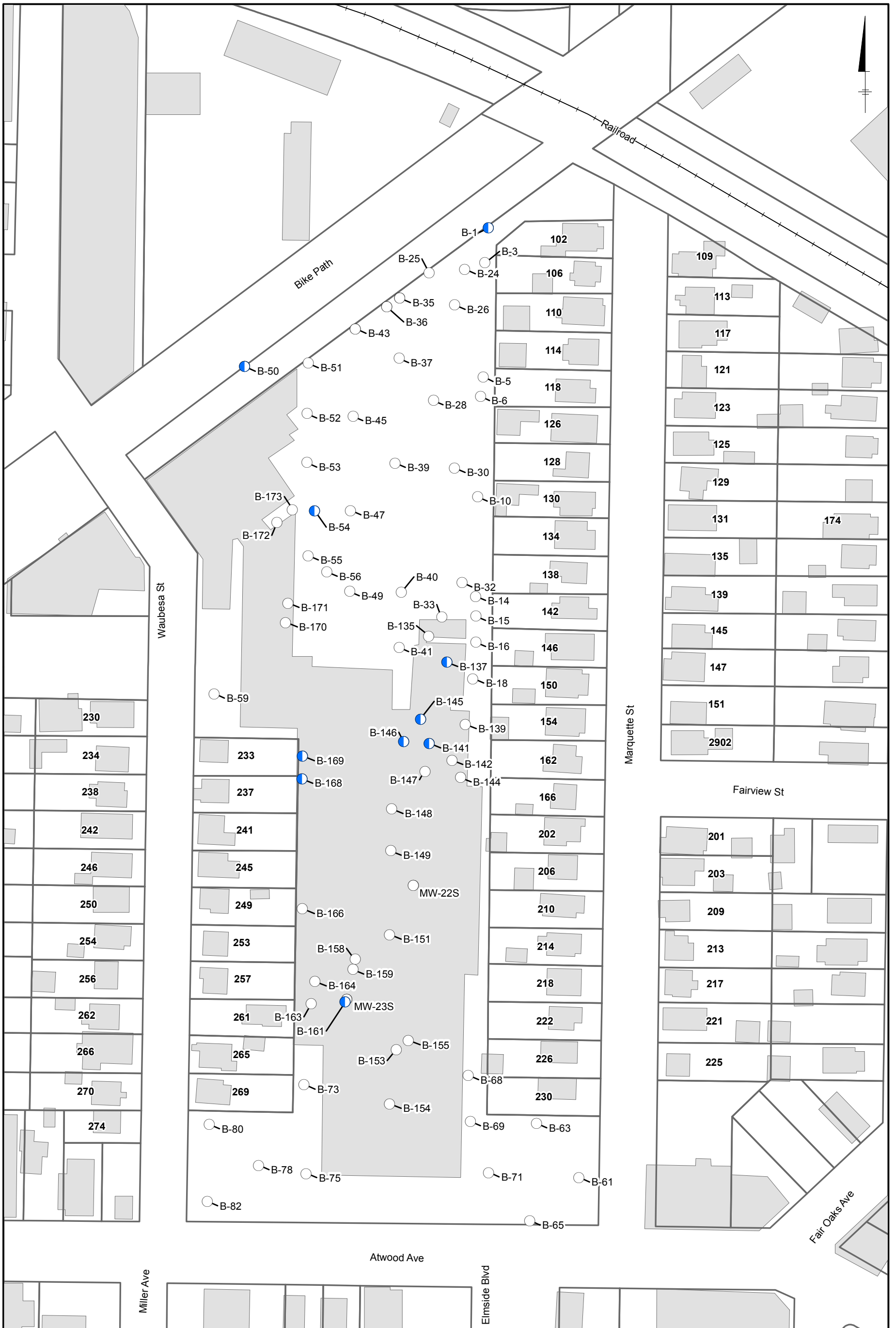
NOTES:
1. ARSENIC CONCENTRATIONS WERE DETERMINED TO BE NATURALLY OCCURRING AND THUS NOT INCLUDED ON THIS FIGURE.
2. RCRA - RESOURCE CONSERVATION RECOVERY ACT

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ACTIONS REPORT FEBRUARY 2012 – JANUARY 2013

**ON-SITE SOIL RCRA METALS RESULTS,
2 TO 4 FEET**

FIGURE 5-11

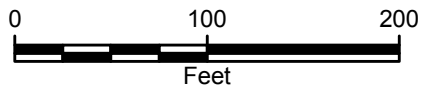
RDN Environmental Services, LLC
SURFACE WATER STUDIES
GROUNDWATER STUDIES
SITE INVESTIGATIONS



CITY: MKE DIV/GRUP: IM DB: GM LD: CK MADISON-KIPP
 I:\Madison_Kipp\Madison_Kipp\2013\Fig5-12_SoilMetals_4_V2.mxd

LEGEND

- CONCENTRATIONS REPORTED BELOW LABORATORY DETECTION LIMITS OR ANALYTE(S) DETECTED, BUT BELOW RESIDUAL CONTAMINANT LEVELS.
- CONCENTRATIONS DETECTED ABOVE SOIL TO GROUNDWATER PATHWAY RESIDUAL CONTAMINANT LEVEL.
- ▭ PARCELS
- ▭ BUILDING FOOTPRINTS



NOTES:
 1. ARSENIC CONCENTRATIONS WERE DETERMINED TO BE NATURALLY OCCURRING AND THUS NOT INCLUDED ON THIS FIGURE.
 2. RCRA - RESOURCE CONSERVATION RECOVERY ACT

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 SITE INVESTIGATION AND INTERIM
 ACTIONS REPORT FEBRUARY 2012 – JANUARY 2013

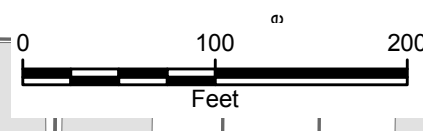
**ON-SITE SOIL RCRA METALS RESULTS,
 GREATER THAN 4 FEET**



FIGURE
5-12



CITY: MKE DIV/GRUP: IM_DB: GM_LD: CK MADISON-KIPP
I:\Madison_Kipp\Madison_Kipp\2013\Fig5-13_OffSiteSoilVOCs_0to2.mxd



- LEGEND**
- CONCENTRATIONS REPORTED BELOW LABORATORY DETECTION LIMITS OR ANALYTE(S) DETECTED, BUT BELOW RESIDUAL CONTAMINANT LEVELS.
 - PARCELS
 - BUILDING FOOTPRINTS

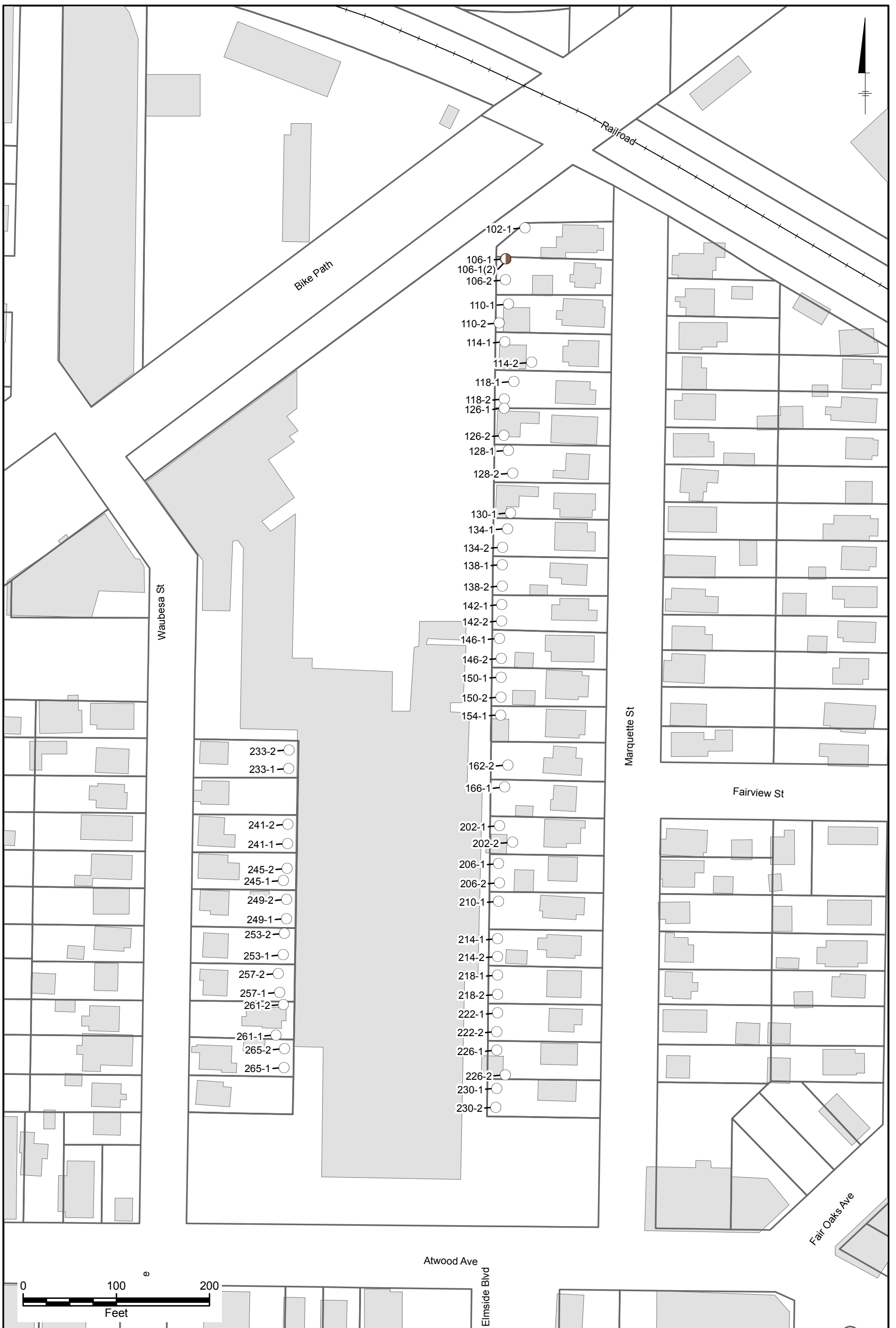
NOTE: 106-1 (2)
SOIL SAMPLE 106-1 WAS RE-SAMPLED IN NOVEMBER 2012. SAMPLES WERE COLLECTED FROM 0 TO 1 FEET AND 1 TO 2 FEET. BOTH SAMPLES CONTAINED VOC CONCENTRATIONS BELOW RESIDUAL CONTAMINANT LEVELS.

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**SITE INVESTIGATION AND INTERIM
ACTIONS REPORT FEBRUARY 2012 – JANUARY 2013**

OFF-SITE SOIL VOC RESULTS, 0 TO 2 FEET

**FIGURE
5-13**

CITY: MKE DIV/GRUOP: IM_DB: GM_LD: CK MADISON-KIPP
 I:\Madison_Kipp\Madison_Kipp\2013\Fig5-14_SoilOffSiteVOCs_2to4.mxd



LEGEND

- CONCENTRATIONS REPORTED BELOW LABORATORY DETECTION LIMITS OR ANALYTE(S) DETECTED, BUT BELOW RESIDUAL CONTAMINANT LEVELS.
- CONCENTRATION DETECTED ABOVE THE NON-INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINANT LEVEL.
- PARCELS
- BUILDING FOOTPRINTS

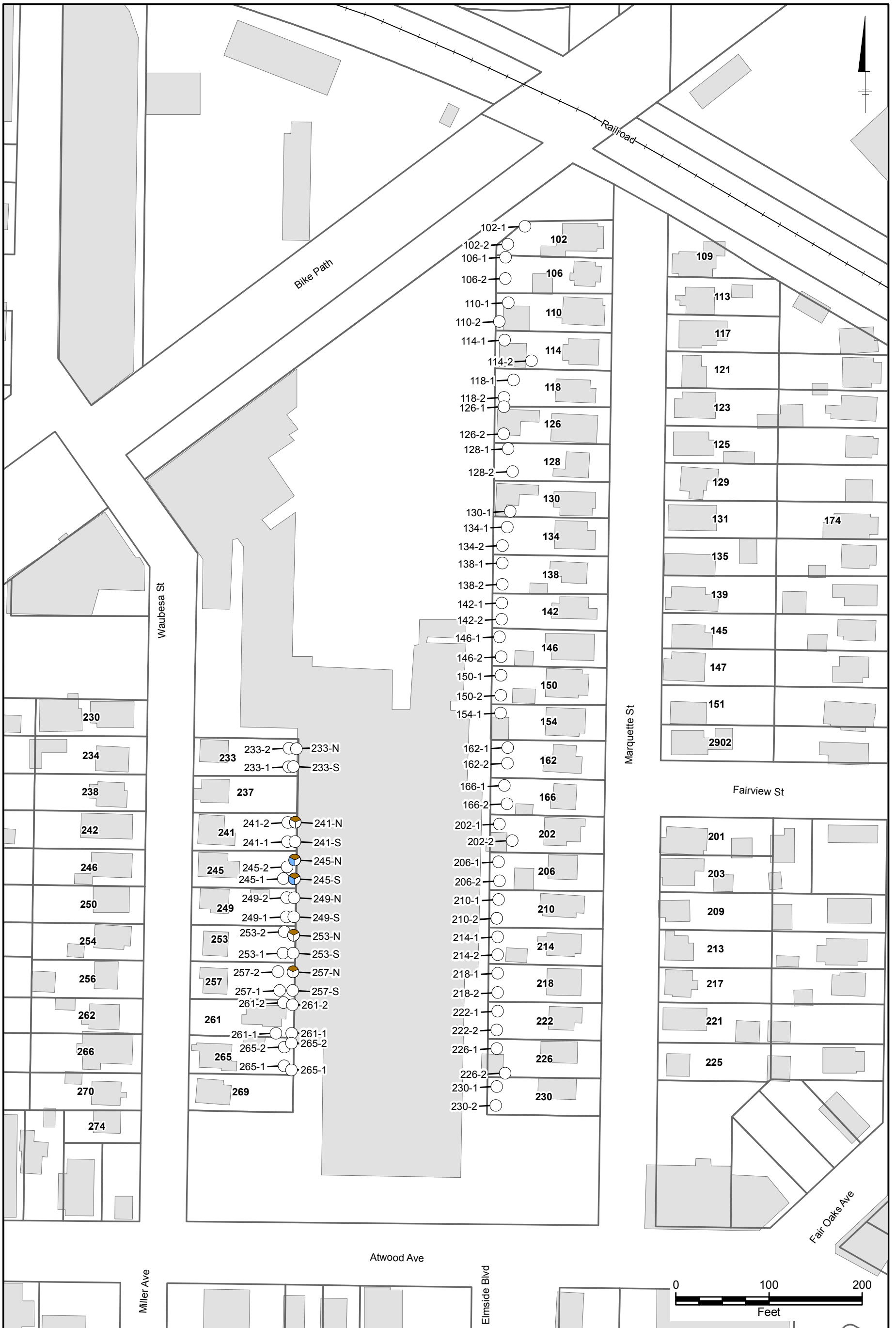
NOTE: 106-1 (2)
 SOIL SAMPLE 106-1 WAS RE-SAMPLED IN NOVEMBER 2012. SAMPLES WERE COLLECTED FROM 0 TO 1 FEET AND 1 TO 2 FEET. BOTH SAMPLES CONTAINED VOC CONCENTRATIONS BELOW RESIDUAL CONTAMINANT LEVELS.

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**SITE INVESTIGATION AND INTERIM
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OFF-SITE SOIL VOC RESULTS, 2 TO 4 FEET









**FIGURE
 5-14**



CITY: MKE DIV/GRUOP: IM_DB: GM_LD: CK MADISON-KIPP
I:\Madison_Kipp\Madison_Kipp\2013\Fig5-15_OffSiteSoilPCB_0to2.mxd

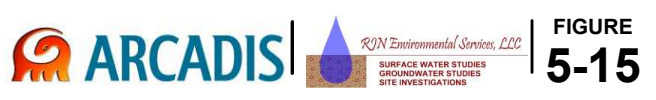
LEGEND

-  CONCENTRATIONS REPORTED BELOW LABORATORY DETECTION LIMITS OR ANALYTE(S) DETECTED, BUT BELOW RESIDUAL CONTAMINANT LEVELS.
-  CONCENTRATIONS DETECTED ABOVE NON-INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINANT LEVEL.
-  CONCENTRATIONS DETECTED ABOVE THE HIGH OCCUPANCY SELF-CLEANUP LEVEL.
-  CONCENTRATIONS DETECTED ABOVE THE TOXIC SUBSTANCES CONTROL ACT LIMIT.

-  PARCELS
-  BUILDING FOOTPRINTS

MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN
**SITE INVESTIGATION AND INTERIM
ACTIONS REPORT FEBRUARY 2012 – JANUARY 2013**

OFF-SITE SOIL PCB RESULTS, 0 TO 2 FEET



**FIGURE
5-15**



CITY: MKE DIV/GRUOP: IM_DB: GM_LD: CK MADISON-KIPP
 I:\Madison_Kipp\Madison_Kipp\2013\Fig5-16_SoilOffSitePCB_2to4.mxd

LEGEND

- CONCENTRATIONS REPORTED BELOW LABORATORY DETECTION LIMITS OR ANALYTE(S) DETECTED, BUT BELOW RESIDUAL CONTAMINANT LEVELS.
- CONCENTRATIONS DETECTED ABOVE NON-INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINANT LEVEL.
- CONCENTRATIONS DETECTED ABOVE THE HIGH OCCUPANCY SELF-CLEANUP LEVEL.
- CONCENTRATIONS DETECTED ABOVE THE TOXIC SUBSTANCES CONTROL ACT LIMIT.

- ▭ PARCELS
- ▭ BUILDING FOOTPRINTS

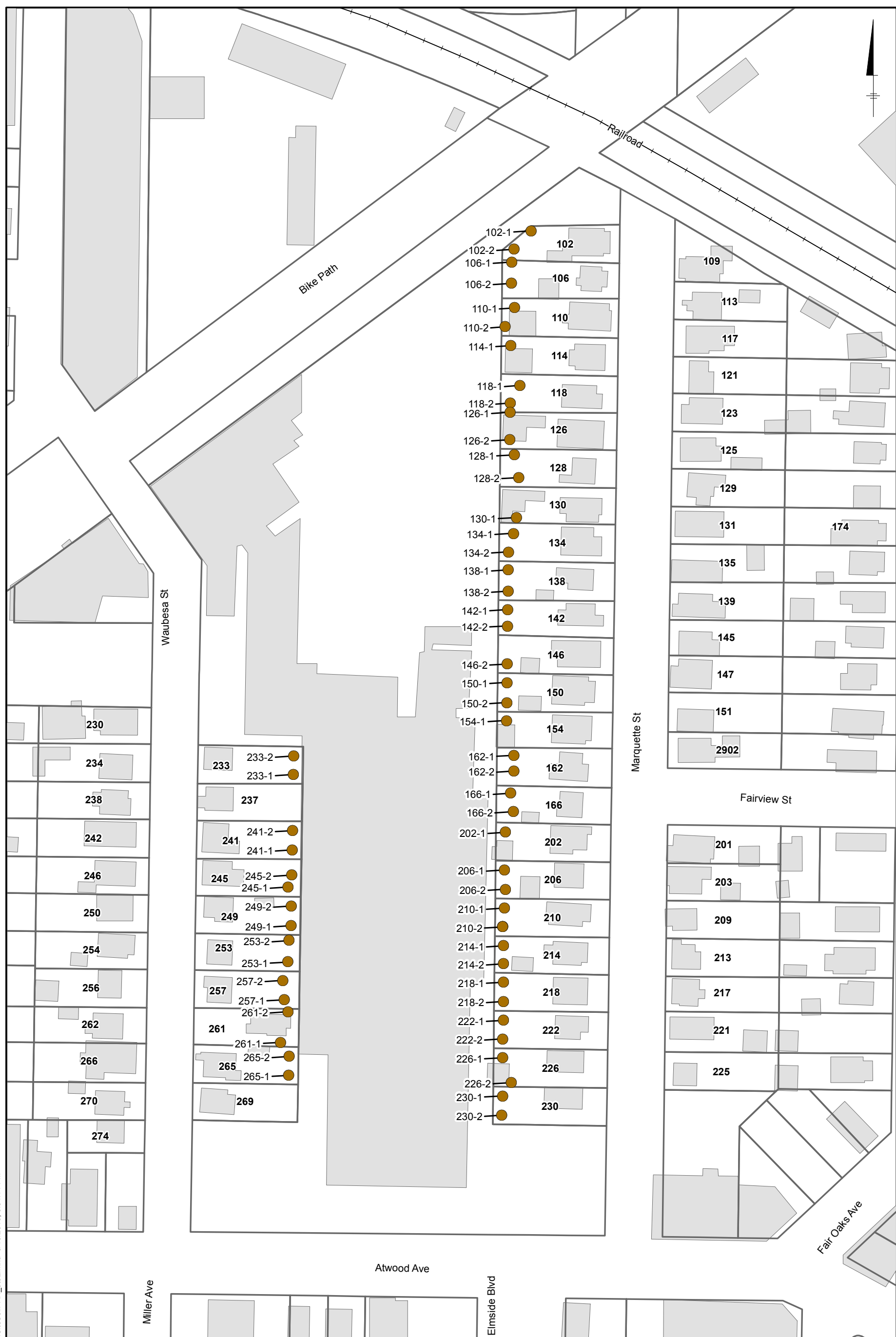
MADISON-KIPP CORPORATION
 201 WAUBESA STREET
 MADISON, WISCONSIN
**SITE INVESTIGATION AND INTERIM
 ACTIONS REPORT FEBRUARY 2012 – JANUARY 2013**

OFF-SITE SOIL PCB RESULTS, 2 TO 4 FEET

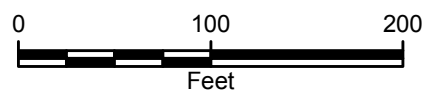


**FIGURE
5-16**

CITY: MKE DIV/GRUP: IM_DB: GM LD: CK MADISON-KIPP
 I:\Madison_Kipp\Madison_Kipp\2013\Fig5-17_OffSiteSoilPAH_0to2.mxd 3/13/2013, 6:34:14 PM



- LEGEND**
- CONCENTRATIONS REPORTED BELOW LABORATORY DETECTION LIMITS OR ANALYTE(S) DETECTED, BUT BELOW RESIDUAL CONTAMINANT LEVELS.
 - CONCENTRATIONS DETECTED ABOVE NON-INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINANT LEVEL.
 - ▭ PARCELS
 - ▭ BUILDING FOOTPRINTS



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 MADISON, WISCONSIN
**SITE INVESTIGATION AND INTERIM
 ACTIONS REPORT FEBRUARY 2012 – JANUARY 2013**

OFF-SITE SOIL PAH RESULTS, 0 TO 2 FEET

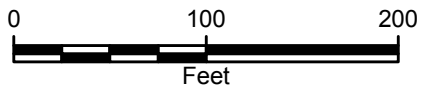
FIGURE 5-17

CITY: MKE DIV: GROUP: IM DB: GM LD: CK MADISON-KIPP
 I:\Madison_Kipp\Madison_Kipp\2013\Fig5-18_SoilOffSitePAHs_2to4.mxd 3/13/2013, 6:36:12 PM



LEGEND

- CONCENTRATIONS REPORTED BELOW LABORATORY DETECTION LIMITS OR ANALYTE(S) DETECTED, BUT BELOW RESIDUAL CONTAMINANT LEVEL.
- CONCENTRATIONS DETECTED ABOVE NON-INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINANT LEVEL.
- ▭ PARCELS
- ▭ BUILDING FOOTPRINTS

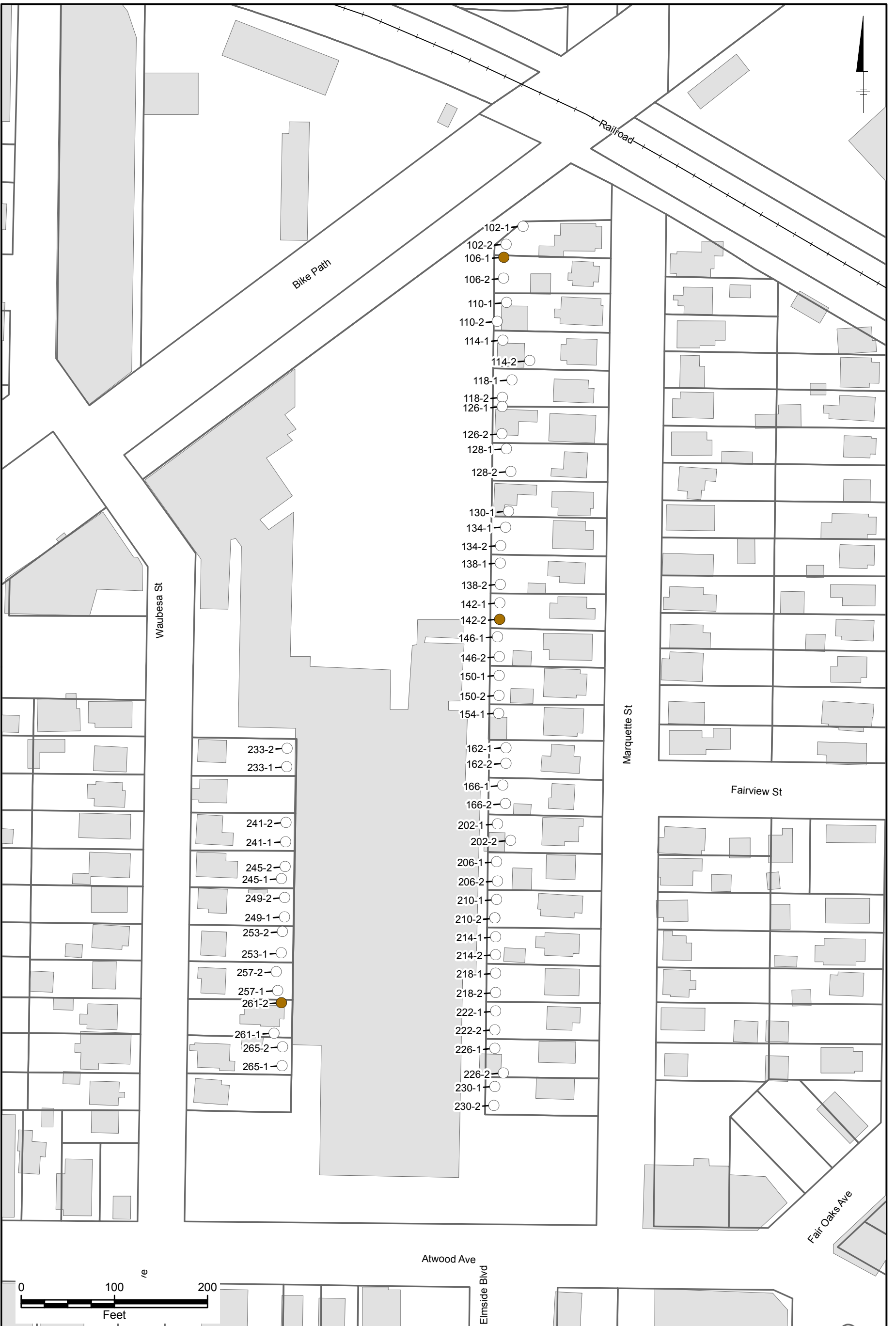


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 MADISON, WISCONSIN
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 ACTIONS REPORT FEBRUARY 2012 – JANUARY 2013**

OFF-SITE SOIL PAH RESULTS, 2 TO 4 FEET



**FIGURE
 5-18**



CITY: MKE DIV/GROUP: IM_DB: GM_LD: CK MADISON-KIPP
I:\Madison_Kipp\Madison_Kipp\2013\Fig5-19_OffSiteSoilMetals_0102.mxd



- LEGEND**
- CONCENTRATIONS REPORTED BELOW LABORATORY DETECTION LIMITS OR ANALYTE(S) DETECTED, BUT BELOW RESIDUAL CONTAMINANT LEVEL.
 - CONCENTRATIONS DETECTED ABOVE NON-INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINANT LEVEL.
 - ▭ PARCELS
 - ▭ BUILDING FOOTPRINTS

NOTES:
 1. ARSENIC CONCENTRATIONS WERE DETERMINED TO BE NATURALLY OCCURRING AND THUS NOT INCLUDED ON THIS FIGURE.
 2. RCRA - RESOURCE CONSERVATION RECOVERY ACT

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OFF-SITE SOIL RCRA METALS RESULTS, 0 TO 2 FEET



LEGEND

- CONCENTRATIONS REPORTED BELOW LABORATORY DETECTION LIMITS OR ANALYTE(S) DETECTED, BUT BELOW RESIDUAL CONTAMINANT LEVEL.
- CONCENTRATIONS DETECTED ABOVE NON-INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINANT LEVEL.
- ▭ PARCELS
- ▭ BUILDING FOOTPRINTS

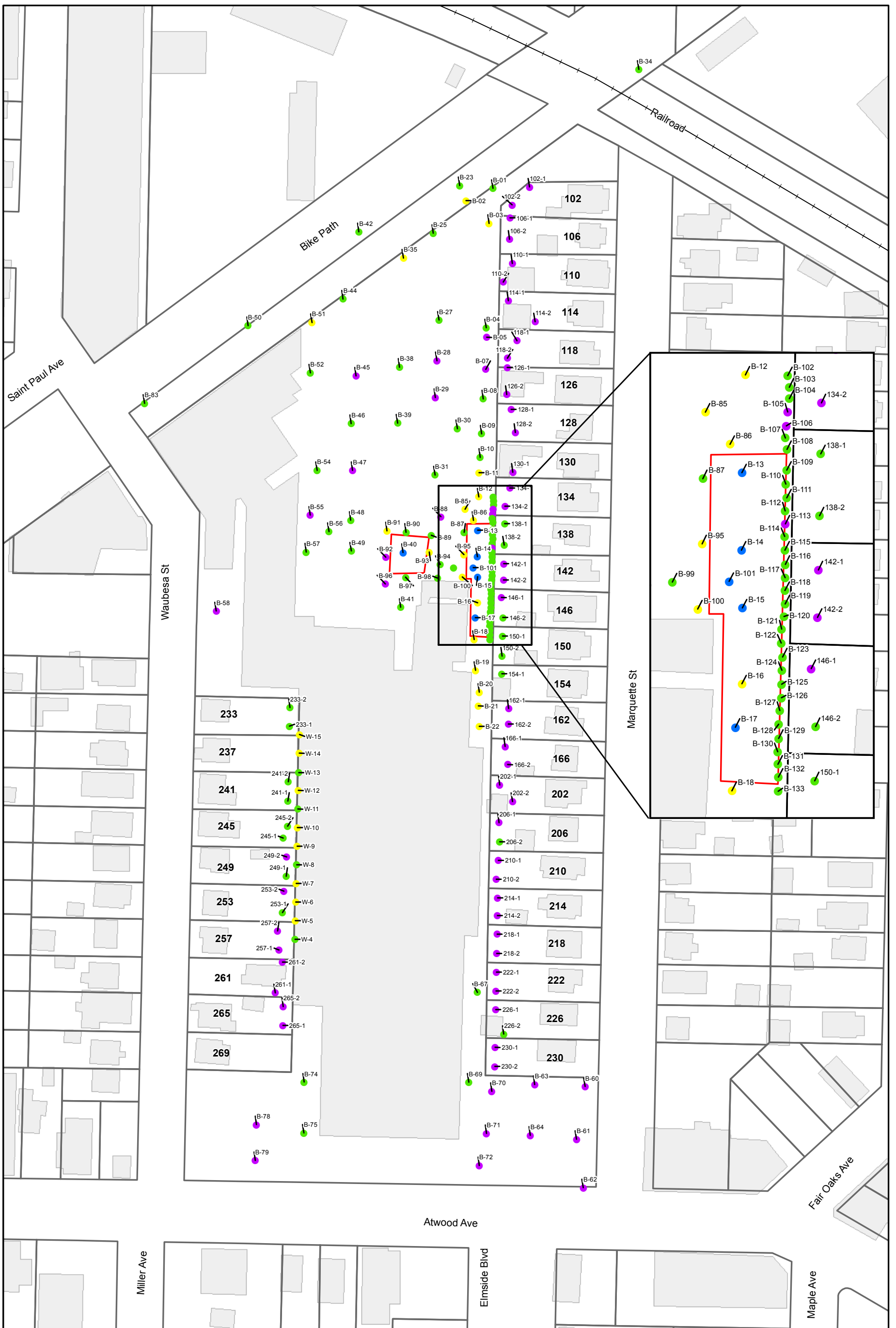
NOTES:
 1. ARSENIC CONCENTRATIONS WERE DETERMINED TO BE NATURALLY OCCURRING AND THUS NOT INCLUDED ON THIS FIGURE.
 2. RCRA - RESOURCE CONSERVATION RECOVERY ACT

MADISON-KIPP CORPORATION
 201 WAUBESA STREET
 MADISON, WISCONSIN
**SITE INVESTIGATION AND INTERIM
 ACTIONS REPORT FEBRUARY 2012 – JANUARY 2013**

**OFF-SITE SOIL RCRA METALS RESULTS,
 2 TO 4 FEET**

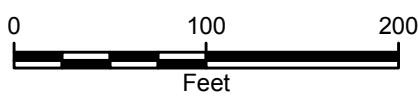


**FIGURE
 5-20**



- LEGEND**
- NON-DETECT
 - LESS THAN OR EQUAL TO 1 mg/kg
 - GREATER THAN 1 mg/kg
 - GREATER THAN 50 mg/kg
 - PARCELS
 - BUILDING FOOTPRINTS
 - APPROXIMATE EXCAVATION AREA

mg/kg MILLIGRAM PER KILOGRAM
PCBs POLYCHLORINATED BIPHENYL



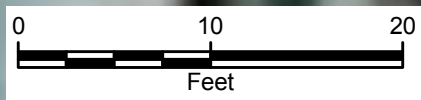
NOTES:
1. LOCATION OF RESIDENTIAL SAMPLES ARE APPROXIMATE
2. AERIAL IMAGERY OBTAINED FROM BING IMAGERY
SERVICE THROUGH ESRI ONLINE MAPPING, ACCESSED 8/27/12

MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN
**SITE INVESTIGATION AND INTERIM
ACTIONS REPORT FEBRUARY 2012 – JANUARY 2013**

**PROPOSED EXCAVATION AREA
(0-2 FEET BELOW GROUND SURFACE)**



FIGURE
6-1



- LEGEND**
- BASE SAMPLE LOCATION
 - SIDEWALL SAMPLE LOCATION
 - APPROXIMATE WEST EXCAVATION AREA



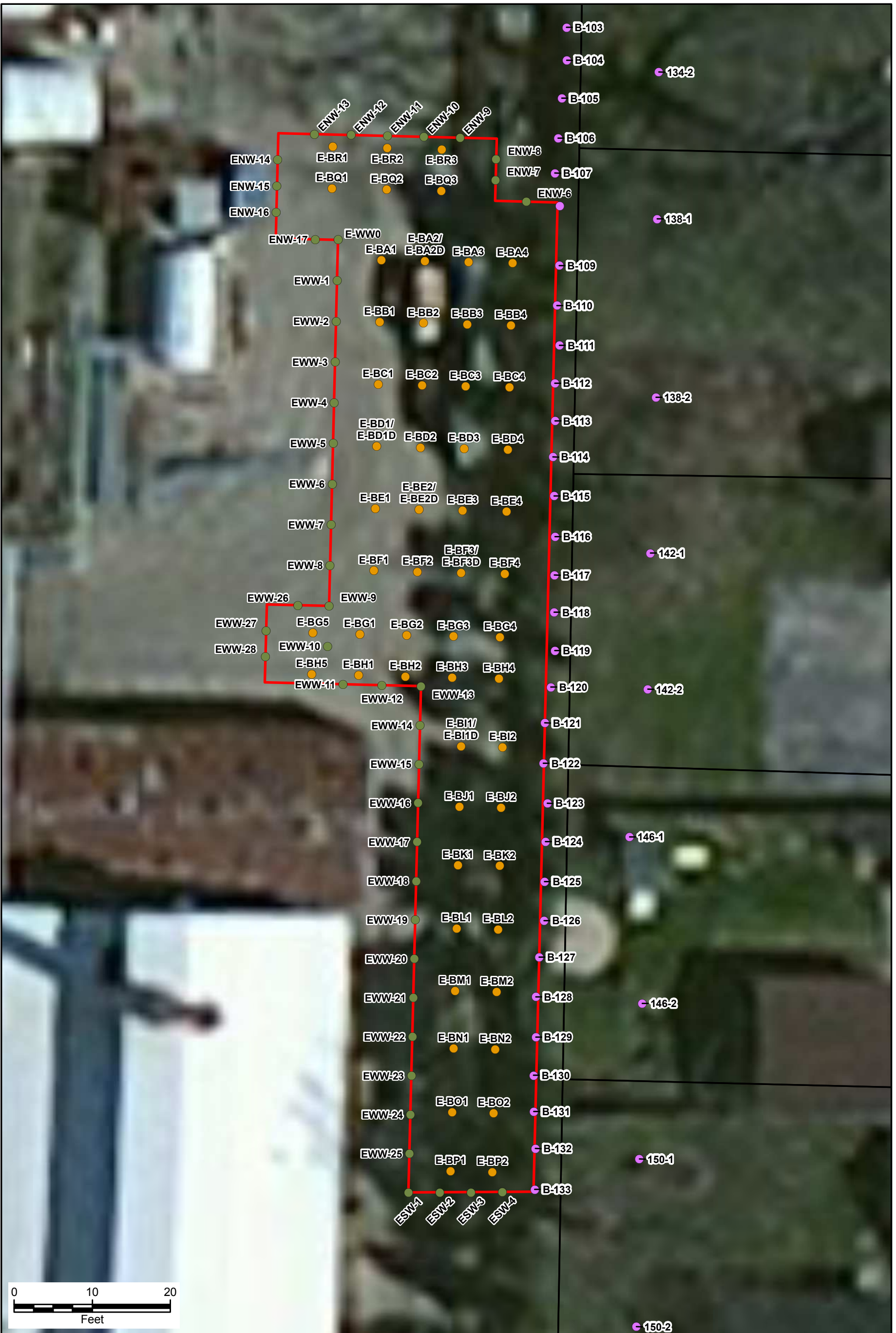
NOTE:
AERIAL IMAGERY PROVIDED BY ARCGIS ONLINE USING
ARCMAP 10 ON 3/10/2013.

MADISON-KIPP CORPORATION
201 WAUBESA STREET
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SITE INVESTIGATION AND INTERIM
ACTIONS REPORT FEBRUARY 2012 – JANUARY 2013

WEST EXCAVATION AREA



FIGURE
6-2



LEGEND

- PREVIOUS SOIL SAMPLE LOCATION
- BASE SAMPLE LOCATION
- SIDEWALL SAMPLE LOCATION
- APPROXIMATE EAST EXCAVATION AREA

NOTE:
 AERIAL IMAGERY PROVIDED BY ARCGIS ONLINE USING
 ARCMAP 10 ON 3/10/2013.

MADISON-KIPP CORPORATION
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 MADISON, WISCONSIN
 SITE INVESTIGATION AND INTERIM
 ACTIONS REPORT FEBRUARY 2012 – JANUARY 2013

EAST EXCAVATION AREA

ARCADIS

FIGURE
6-3

VP-5		
ANALYTE	3/30/2012	10/26/2012
CIS-1,2-DICHLOROETHENE	1.1	26
TRANS-1,2-DICHLOROETHENE	<0.15	0.38
1,2-DICHLOROETHENE	1.1	26.38
TETRACHLOROETHENE	2.1	27
TRICHLOROETHENE	1.1	22
VINYL CHLORIDE	<0.15	1.2

VP-4		
ANALYTE	3/30/2012	10/26/2012
CIS-1,2-DICHLOROETHENE	<0.15	<0.15
TRANS-1,2-DICHLOROETHENE	<0.15	<0.15
1,2-DICHLOROETHENE	<0.15	<0.15
TETRACHLOROETHENE	0.68	0.2
TRICHLOROETHENE	<0.15	<0.15
VINYL CHLORIDE	<0.15	<0.15

VP-3		
ANALYTE	3/30/2012	10/26/2012
CIS-1,2-DICHLOROETHENE	0.6	<0.15
TRANS-1,2-DICHLOROETHENE	<0.17	<0.15
1,2-DICHLOROETHENE	0.6	<0.15
TETRACHLOROETHENE	18	3.8
TRICHLOROETHENE	2	0.44
VINYL CHLORIDE	<0.17	<0.15

VP-6		
ANALYTE	3/30/2012	10/26/2012
CIS-1,2-DICHLOROETHENE	28	190
TRANS-1,2-DICHLOROETHENE	1.7	5.8
1,2-DICHLOROETHENE	29.7	195.8
TETRACHLOROETHENE	63	190
TRICHLOROETHENE	20	72
VINYL CHLORIDE	53	23

VP-102		
ANALYTE	11/25/2011	10/24/2012
CIS-1,2-DICHLOROETHENE	1940 *IS	45
TRANS-1,2-DICHLOROETHENE	<400 *IS*D	<3.4
1,2-DICHLOROETHENE	1940	45
TETRACHLOROETHENE	4620 *IS	1200
TRICHLOROETHENE	1770 *IS	240
VINYL CHLORIDE	<400 *IS*D	<3.4

VP-126		
ANALYTE	11/25/2011	10/24/2012
CIS-1,2-DICHLOROETHENE	<200*D	<0.16
TRANS-1,2-DICHLOROETHENE	<200*D	<0.16
1,2-DICHLOROETHENE	<200	<0.16
TETRACHLOROETHENE	452	1.4
TRICHLOROETHENE	<200*D	<0.16
VINYL CHLORIDE	<200*D	<0.16

VP-114		
ANALYTE	11/25/2011	10/24/2012
CIS-1,2-DICHLOROETHENE	<400 *IS*D	<0.16
TRANS-1,2-DICHLOROETHENE	<400 *IS*D	<0.16
1,2-DICHLOROETHENE	<400	<0.16
TETRACHLOROETHENE	2540 *IS	10
TRICHLOROETHENE	<400 *IS*D	<0.16
VINYL CHLORIDE	<400 *IS*D	<0.16

VP-1N		
ANALYTE	9/17/2009	10/26/2012
CIS-1,2-DICHLOROETHENE	--	0.52
TRANS-1,2-DICHLOROETHENE	--	<0.36
1,2-DICHLOROETHENE	<20	0.52
TETRACHLOROETHENE	160	65
TRICHLOROETHENE	<10	0.52
VINYL CHLORIDE	--	<0.36

VP-1S		
ANALYTE	9/17/2009	10/26/2012
CIS-1,2-DICHLOROETHENE	--	<0.15
TRANS-1,2-DICHLOROETHENE	--	<0.15
1,2-DICHLOROETHENE	341	<0.15
TETRACHLOROETHENE	1400	4.8
TRICHLOROETHENE	260	0.15
VINYL CHLORIDE	--	<0.15

VP-2N		
ANALYTE	9/17/2009	10/26/2012
CIS-1,2-DICHLOROETHENE	--	<0.93
TRANS-1,2-DICHLOROETHENE	--	<0.93
1,2-DICHLOROETHENE	500	<0.93
TETRACHLOROETHENE	1300	160
TRICHLOROETHENE	370	<0.93
VINYL CHLORIDE	--	<0.93

VP-2S		
ANALYTE	9/17/2009	10/26/2012
CIS-1,2-DICHLOROETHENE	--	<0.14
TRANS-1,2-DICHLOROETHENE	--	<0.14
1,2-DICHLOROETHENE	332	<0.14
TETRACHLOROETHENE	1100	12
TRICHLOROETHENE	240	<0.14
VINYL CHLORIDE	--	<0.14

VP-237		
ANALYTE	11/25/2011	10/25/2012
CIS-1,2-DICHLOROETHENE	<20	<0.16
TRANS-1,2-DICHLOROETHENE	<20	<0.16
1,2-DICHLOROETHENE	<20	<0.16
TETRACHLOROETHENE	53	63
TRICHLOROETHENE	<20	<0.16
VINYL CHLORIDE	<20	<0.16

VP-202		
ANALYTE	11/25/2011	10/25/2012
CIS-1,2-DICHLOROETHENE	<0.085 *IS	<0.16
TRANS-1,2-DICHLOROETHENE	<0.085 *IS	<0.16
1,2-DICHLOROETHENE	<0.085	<0.16
TETRACHLOROETHENE	5.7 *IS	9.1
TRICHLOROETHENE	<0.085 *IS	0.58
VINYL CHLORIDE	<0.085 *IS	<0.16

VP-249		
ANALYTE	11/25/2011	10/25/2012
CIS-1,2-DICHLOROETHENE	<0.085	<0.16
TRANS-1,2-DICHLOROETHENE	<0.085	<0.16
1,2-DICHLOROETHENE	<0.085	<0.16
TETRACHLOROETHENE	8.44	23
TRICHLOROETHENE	<0.085	<0.16
VINYL CHLORIDE	<0.085	<0.16

VP-210		
ANALYTE	11/25/2011	10/25/2012
CIS-1,2-DICHLOROETHENE	<0.085 *IS	<0.17
TRANS-1,2-DICHLOROETHENE	<0.085 *IS	<0.17
1,2-DICHLOROETHENE	<0.085	<0.17
TETRACHLOROETHENE	3.22	3.9
TRICHLOROETHENE	<0.085 *IS	<0.17
VINYL CHLORIDE	<0.085 *IS	<0.17

VP-261		
ANALYTE	11/28/2011	
CIS-1,2-DICHLOROETHENE	<0.085 *IS	
TRANS-1,2-DICHLOROETHENE	<0.085 *IS	
1,2-DICHLOROETHENE	<0.085	
TETRACHLOROETHENE	<0.085 *IS	
TRICHLOROETHENE	<0.085 *IS	
VINYL CHLORIDE	<0.085 *IS	

VP-222		
ANALYTE	11/25/2011	10/25/2012
CIS-1,2-DICHLOROETHENE	<20 *D	<0.49
TRANS-1,2-DICHLOROETHENE	<20 *D	<0.49
1,2-DICHLOROETHENE	<20	<0.49
TETRACHLOROETHENE	77	120
TRICHLOROETHENE	<20 *D	<0.49
VINYL CHLORIDE	<20 *D	<0.49



- LEGEND**
- VAPOR SAMPLE LOCATION
 - PARCELS
 - BUILDING FOOTPRINTS

- NOTES:**
- 1) AERIAL IMAGERY OBTAINED FROM BING IMAGERY SERVICE THROUGH ESRI ONLINE MAPPING, ACCESSED 11/27/2012
 - 2) 1,2-DICHLOROETHENE WAS HISTORICALLY REPORTED TOGETHER. DATA FROM 2011 AND 2012 HAS BEEN MANUALLY COMBINED FOR COMPARISON PURPOSES.
 - 3) RESULT EXCEEDS THE WISCONSIN RESIDENTIAL DEEP SOIL GAS CALCULATED SCREENING LEVEL WITH A 0.01 ATTENUATION FACTOR.
 - 4) RESULT EXCEEDS THE NON-RESIDENTIAL DEEP SOIL GAS CALCULATED SCREENING LEVEL WITH A 0.001 ATTENUATION FACTOR.
 - 5) SOIL VAPOR PROBES VP-3 THROUGH VP-6 ARE COMPARED ONLY TO DEEP SOIL GAS NON-RESIDENTIAL CRITERIA.
 - 6) DATE IN CHEMBOX REFLECTS THE DATE THE SAMPLE WAS COLLECTED.
 - 7) IS = INTERNAL STANDARD QC LIMIT IS EXCEEDED
 - 8) D = LOD NOT ACHIEVABLE DUE TO DILUTION
 - 9) -- = DATA NOT AVAILABLE

MADISON-KIPP
201 WAUBESA STREET
MADISON, WI

**VAPOR SAMPLING RESULTS
2009 - 2012**



FIGURE
1

Madison Kipp VOC Soil Sampling Status

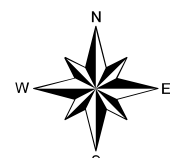
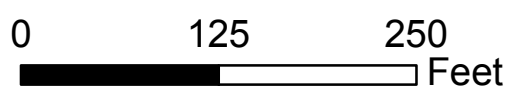
As of September 26, 2012



Legend

- VOC Detect
- ◆ No VOC Detect

VOC: Volatile Organic Compounds
All results from 0-2 feet below ground surface



September 6, 2012
Aerial Photo: 2010 WROC

C:\geodata\Projects\Madison_Kipp\Kipp Sampling Status

Madison Kipp PCB Soil Sampling Status

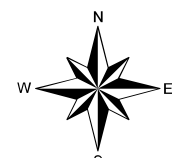
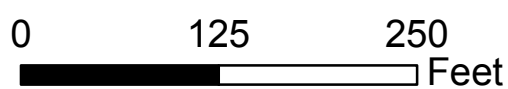
As of September 26, 2012



Legend

- PCB Detect
- ◆ No PCB Detect

PCB: Polychlorinated Biphenyl
 All results from 0-2 feet below ground surface
 Note: no samples tested in excess of residential standard



Madison Kipp PAH Soil Sampling Status

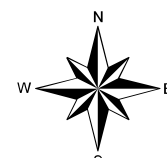
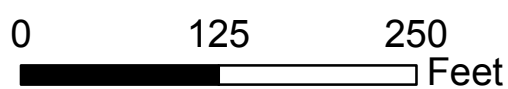
As of September 26, 2012



Legend

● PAH Detect

PAH: Polycyclic Aromatic Hydrocarbons
All results from 0-2 feet below ground surface



September 6, 2012
Aerial Photo: 2010 WROC





C:\geodata\Projects\Madison_Kipp\Kipp Sampling Status

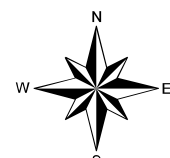
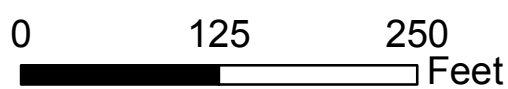
Madison Kipp Vapor Sampling Status

As of September 6, 2012



Legend

-  To Be Sampled
-  No PCE Detect
-  PCE Detect (Sub-Slab and/or Indoor Air)
-  Operating Mitigation System







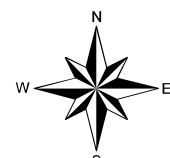
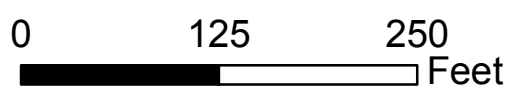
Madison Kipp Vapor Sampling Status

As of August 13, 2012



Legend

-  To Be Sampled
-  No PCE Detect
-  PCE Detect (Sub-Slab and/or Indoor Air)
-  Operating Mitigation System



Residential Soil Sampling – VOCs & PAH Exceedances

Madison Kipp Corp. & Neighboring Properties

April and June 2012 Results – Not to Scale

VOCs – volatile organic compounds
 *VOC exceedance: TCE>0.644 ppm
 PAH – polynuclear aromatic hydrocarbons
 *PAH exceedance levels:
 Benzo(a)anthracene>0.148
 Benzo(a)pyrene>0.0148
 Benzo(b)fluoranthene>0.148
 Dibenz(ah)anthracene>0.0148
 Indeno(123-cd)pyrene>0.148
 All in ppm for suggested generic residual con-
 taminant levels for compounds in soil

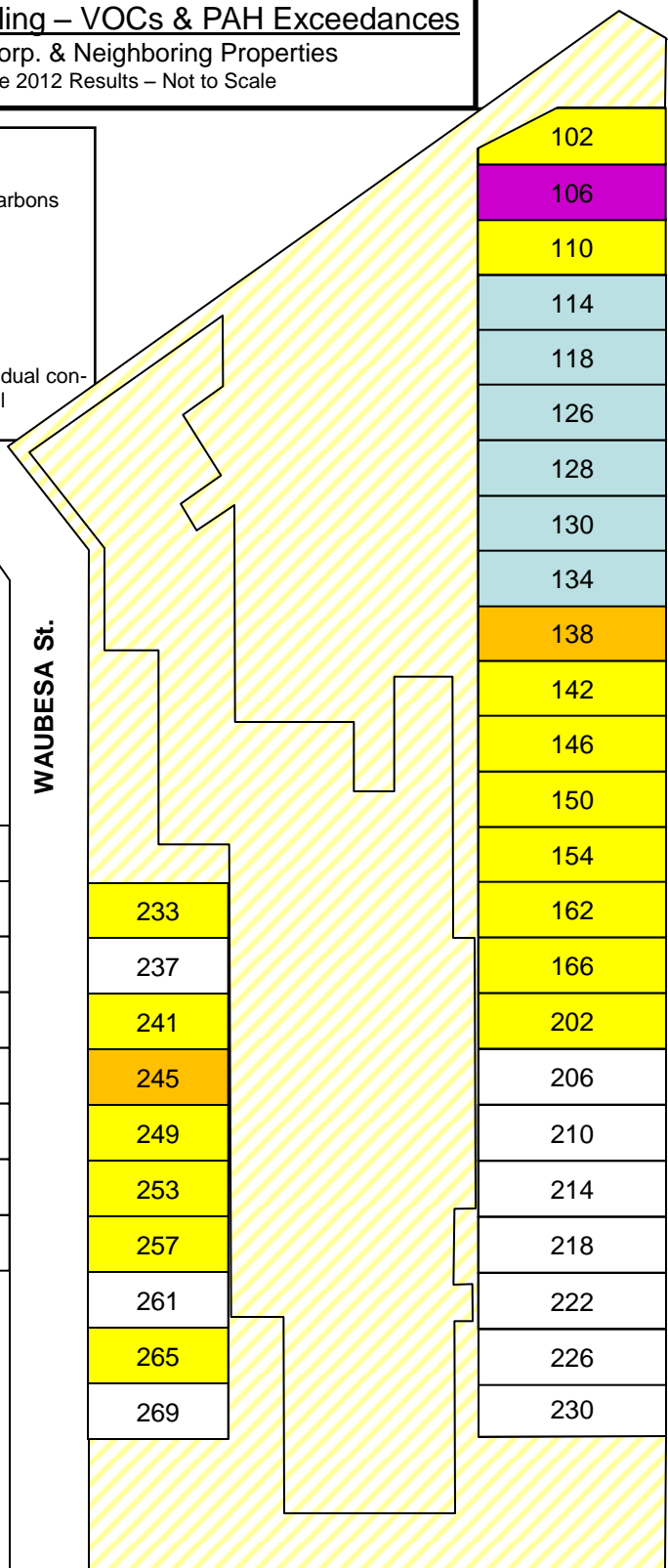
VOC Exceedance (Purple)

PAH Exceedance (Yellow)

Tested but not exceeded (Light Blue)

Results Pending (Orange)

House not tested (White)



230
234
238
242
246
250
254
256

233
237
241
245
249
253
257
261
265
269

102
106
110
114
118
126
128
130
134
138
142
146
150
154
162
166
202
206
210
214
218
222
226
230

ATWOOD Ave.

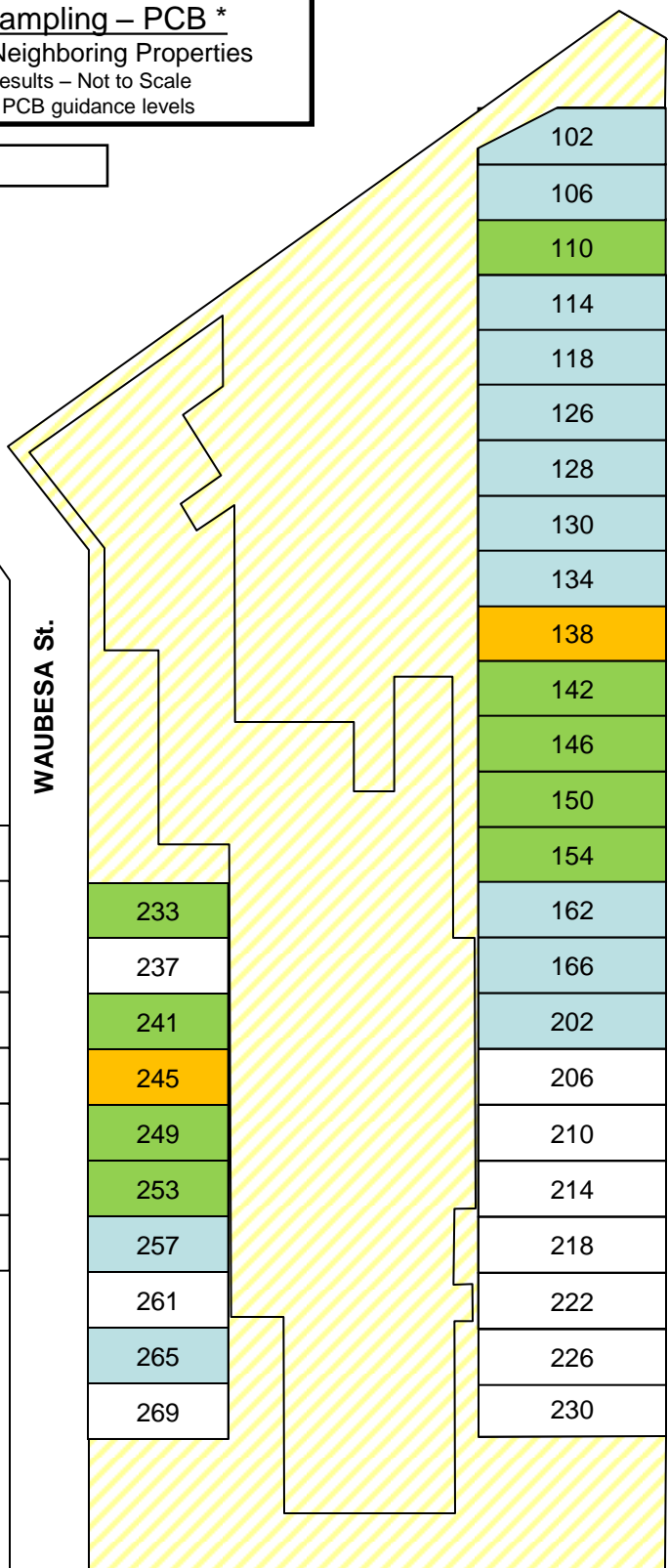
S. MARQUETTE St.

FAIRVIEW St.

Residential Soil Sampling – PCB *
 Madison Kipp Corp. & Neighboring Properties
 April and June 2012 Results – Not to Scale
 *No samples exceeded PCB guidance levels

PCB – polychlorinated biphenyl

PCB Detected*
 PCB Not Detected
 Results Pending
 House Not Tested



230
234
238
242
246
250
254
256

233
237
241
245
249
253
257
261
265
269

102
106
110
114
118
126
128
130
134
138
142
146
150
154
162
166
202
206
210
214
218
222
226
230

ATWOOD Ave.

S. MARQUETTE St.

FAIRVIEW St.

Residential Soil Sampling – PAH *

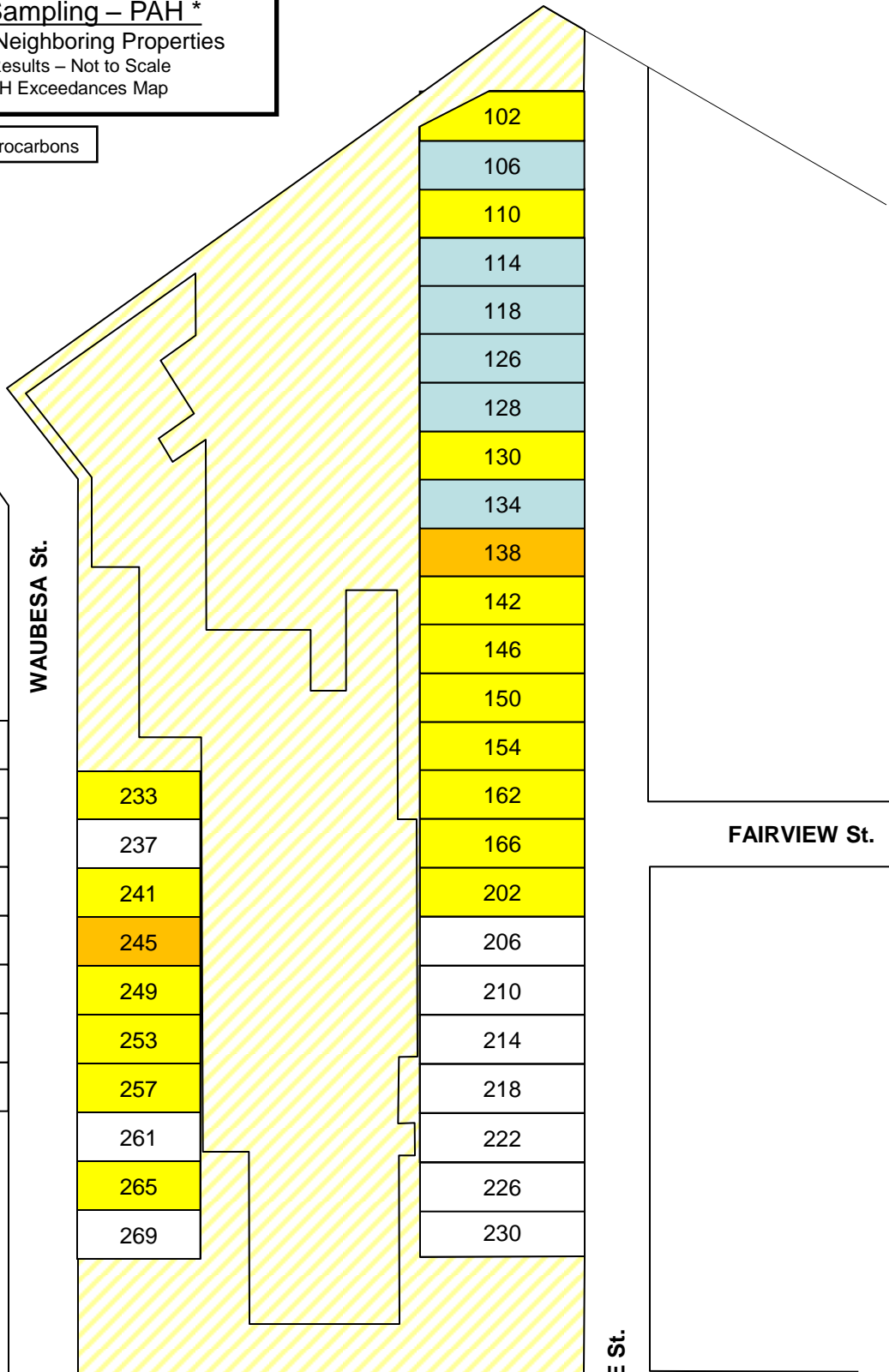
Madison Kipp Corp. & Neighboring Properties

April and June 2012 Results – Not to Scale

*see also VOCs & PAH Exceedances Map

PAH – polynuclear aromatic hydrocarbons

- PAH Detected*
- PAH Not Detected
- Results Pending
- House Not Tested



230
234
238
242
246
250
254
256

233
237
241
245
249
253
257
261
265
269

102
106
110
114
118
126
128
130
134
138
142
146
150
154
162
166
202
206
210
214
218
222
226
230

ATWOOD Ave.

S. MARQUETTE St.

FAIRVIEW St.

Residential Sampling Update

Madison Kipp Corp. & Neighboring Properties

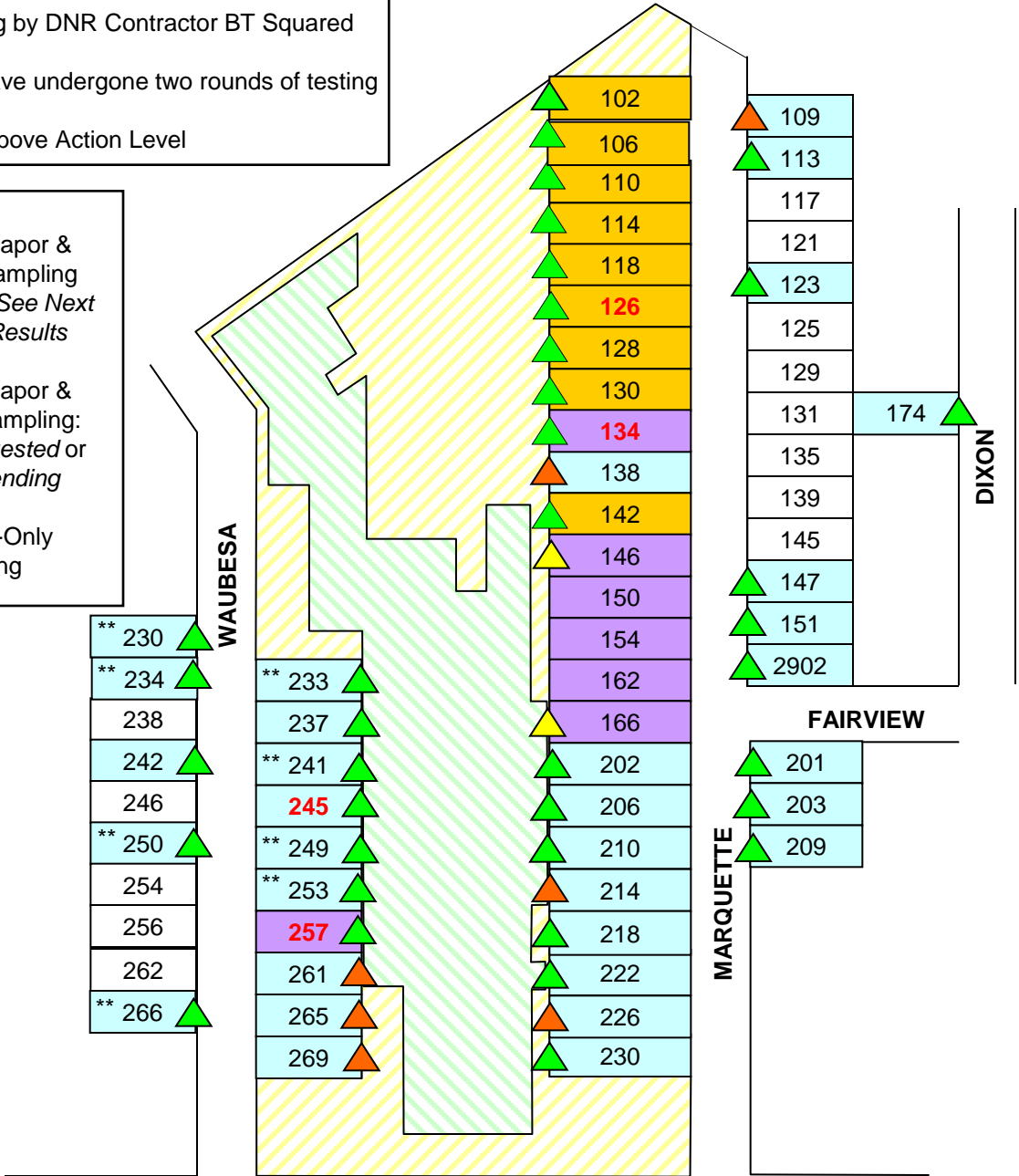
Updated as of June 29, 2012 – Not to Scale

- House with installed mitigation system
- Testing by MKC Contractor Arcadis
- Testing by DNR Contractor BT Squared

** - Houses that have undergone two rounds of testing

Bold – Results Above Action Level

- Sub-Slab Vapor & Indoor Air Sampling Completed – See Next Pages for Results
- Sub-Slab Vapor & Indoor Air Sampling: Access Requested or Results Pending
- Indoor Air-Only Sampling



ATWOOD

Residential Vapor Intrusion Testing Near Madison Kipp Corporation

Results for Tetrachloroethylene (PCE) Only
Samples Collected by SCS/BT Squared – June 4-8 2012
All concentrations in *parts-per-billion by volume (ppbv)*

Address	Sub Slab Site	Indoor Air Site
201 S. Marquette	1.5	ND
230 Waubesa**	1.27	0.125
233 Waubesa**	1.45	0.376
234 Waubesa**	0.781	0.182
241 Waubesa**	4.01	ND
242 Waubesa	0.35	ND
249 Waubesa**	5.99	5.88
250 Waubesa**	0.525	ND
253 Waubesa**	5.6	ND
266 Waubesa**	3.97	1.31

Note:

- ND – Not Detected
- No results were found above DNR's established action level for PCE
- ** - Houses that have undergone two rounds of testing

Residential Vapor Intrusion Testing Near Madison Kipp Corporation

Results for Tetrachloroethylene (PCE) Only
Samples Collected by SCS/BT Squared – May 14-18 2012

All concentrations in *parts-per-billion by volume (ppbv)*

Address	Sub Slab Site	Indoor Air Site
146 S. Marquette	--	ND
201 S. Marquette	5.36	ND
203 S. Marquette	2.33	ND
245 Waubesa	9.23	0.524
266 Waubesa	2.54	ND

Note:

- ND – Not Detected
- **Bold** – Results Above Action Level

Residential Vapor Intrusion Testing Near Madison Kipp Corporation

Samples Collected by Arcadis – May 2012

Results for Tetrachloroethylene (PCE) Only

All concentrations in *parts-per-billion by volume (ppbv)*

Address	Sub Slab Site #1	Sub Slab Site #2	Indoor Air Site #1	Indoor Air Site #2
106 S. Marquette	2.0	0.52	0.061	0.045

Residential Vapor Intrusion Testing Near Madison Kipp Corporation

Results for Tetrachloroethylene (PCE) Only Samples Collected by SCS/BT Squared – April 24-26 2012

All concentrations in *parts-per-billion by volume (ppbv)*

Address	Sub Slab Site	Indoor Air Site
113 S. Marquette	0.3	ND
123 S. Marquette	0.715	0.227
151 S. Marquette	0.28	ND
166 S. Marquette	--	0.17
202 S. Marquette	4.46	ND
206 S. Marquette	0.465	ND
222 S. Marquette	0.356	ND
234 Waubesa	0.385	0.297
249 Waubesa	3.49	ND
250 Waubesa	0.324	ND

Note:

- ND – Not Detected
- No results were found above DNR's established action level for PCE

Residential Vapor Intrusion Testing Near Madison Kipp Corporation

Samples Collected by SCS/BT Squared – April 11-13 2012

Results for Tetrachloroethylene (PCE) Only

All concentrations in *parts-per-billion by volume (ppbv)*

Address	Sub Slab Site	Indoor Air
147 S. Marquette	ND	ND
209 S. Marquette	0.256	ND
218 S. Marquette	0.518	ND
230 Waubesa	0.155	ND
233 Waubesa	0.502	0.307
241 Waubesa	2.67	ND
253 Waubesa	4.9	0.099
257 Waubesa	9.99	0.107
174 Dixon	ND	ND
2902 Fairview	0.186	0.119

Note:

- ND – Not Detected
- **Bold** – Results Above Action Level

(Results continued on next page)

Residential Vapor Intrusion Testing Near Madison Kipp Corporation

Samples Collected by Arcadis – March 2012

Results for Tetrachloroethylene (PCE) Only

All concentrations in *parts-per-billion by volume (ppbv)*

Address	Sub Slab Site #1	Sub Slab Site #2	Indoor Air Site #1	Indoor Air Site #2
102 S. Marquette	0.96	0.18	ND	ND
106 S. Marquette				
110 S. Marquette	1.5	0.28	0.060	0.060
<i>DHS Split</i>	-	0.485	-	-
114 S. Marquette	1.7	.50	.084	.092
118 S. Marquette	1.4	0.32	0.14	0.061
126 S. Marquette	5.8	0.79	0.046	0.045
<i>DHS Split</i>	8.43	1.17	-	-
128 S. Marquette	0.18	ND	ND	ND
130 S. Marquette	2.4	0.46	0.036	ND
<i>DHS Split</i>	2.87	0.732	-	-
134 S. Marquette	6.2	1.6	0.14	0.035
138 S. Marquette				
142 S. Marquette	1.4	0.52	ND	ND
<i>DHS Split</i>	0.742	-	-	-

Note:

- ND – Not Detected
- DHS Split – A sample taken at the exact same time and location by the Wisconsin Department of Health Services
- **Bold** – Results Above Action Level
- Empty cell indicates data is not yet available

Residential Soil Sampling Update (PCBs & VOCs)

Madison Kipp Corp. & Neighboring Properties

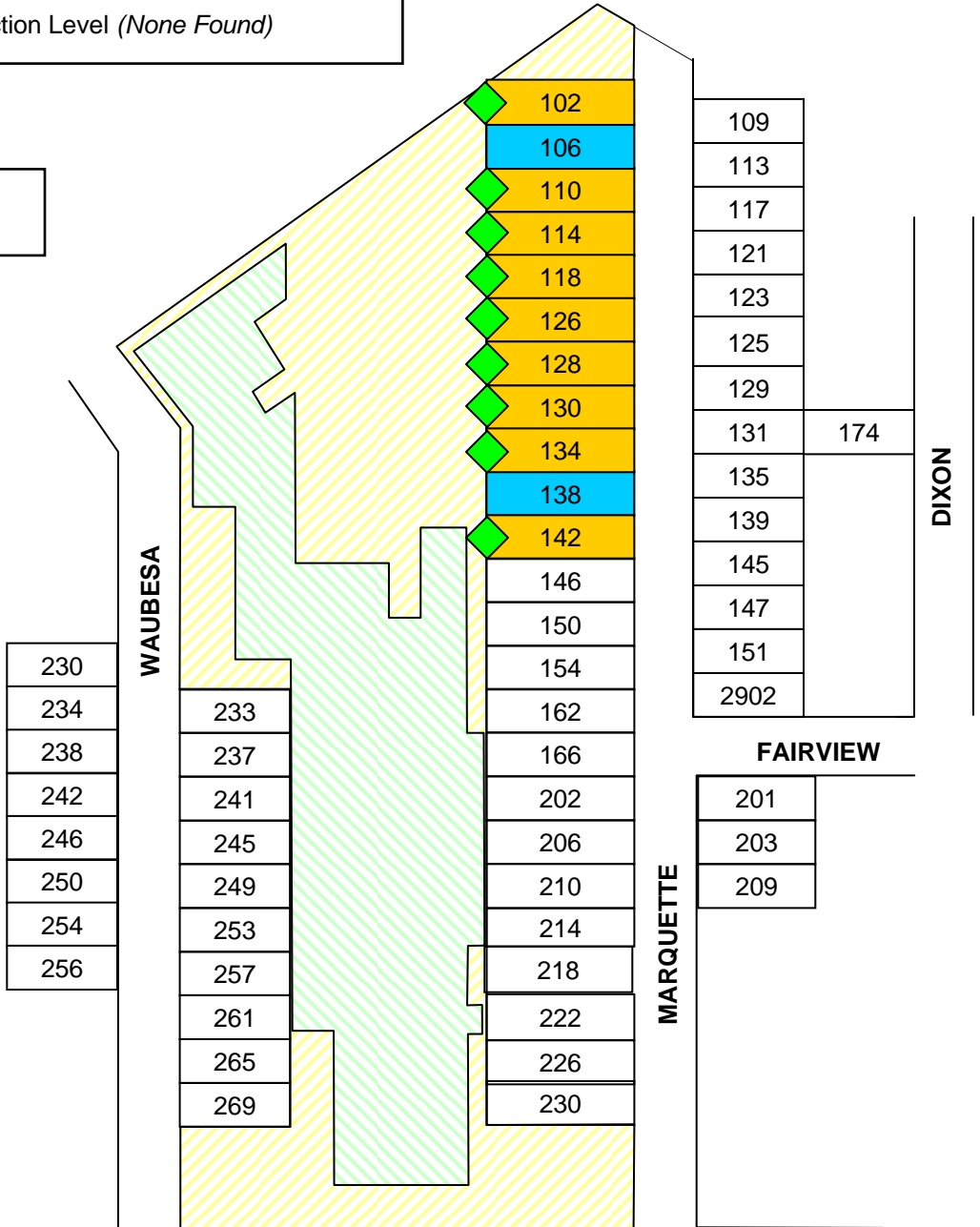
April 2012 – Not to Scale

- Testing by MKC Contractor RJN

- Testing Access Requested, No Consent Given

Bold – Results Above Action Level (*None Found*)

◆ Soil Sampling Completed



ATWOOD

Residential Sampling Update

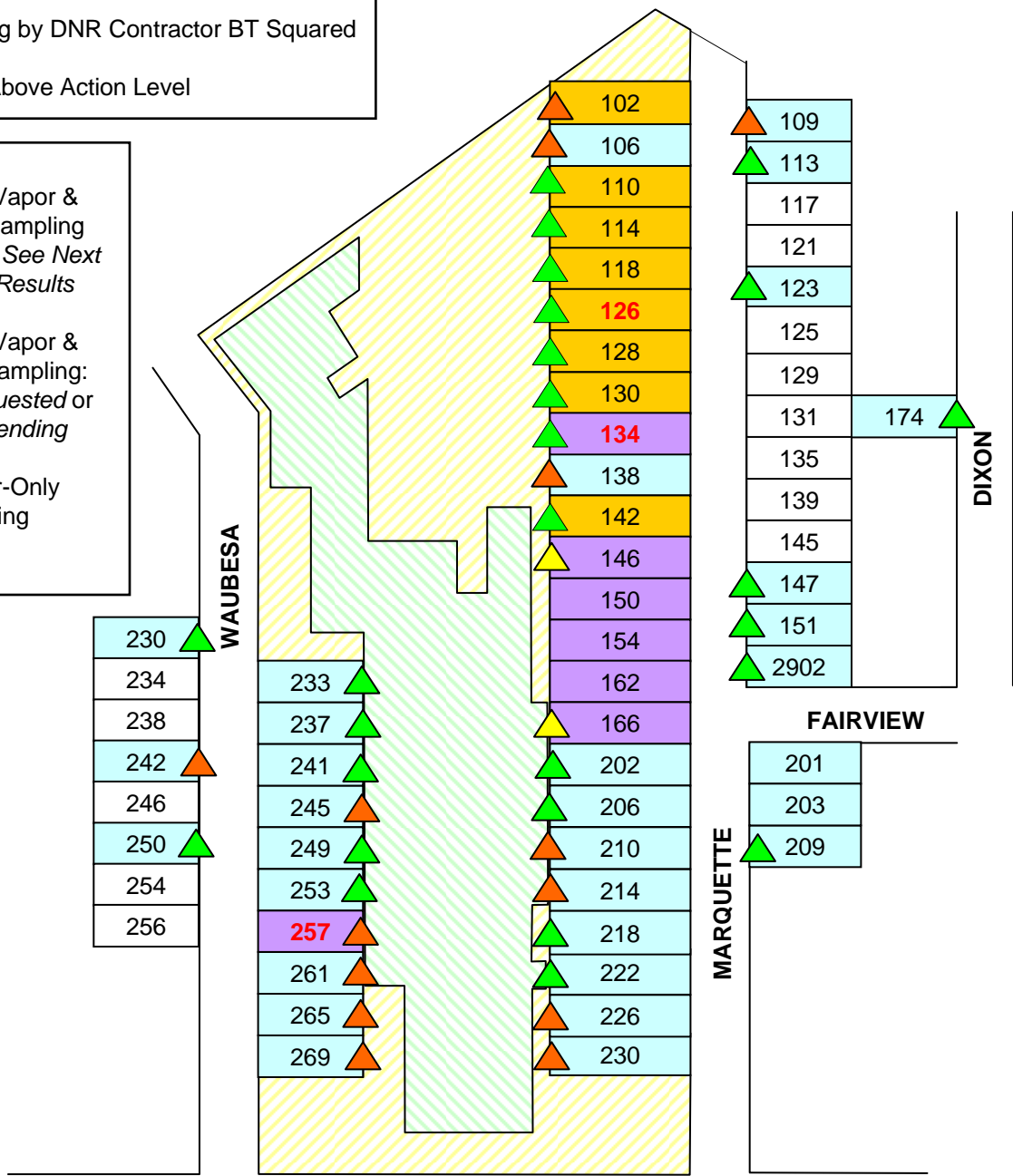
Madison Kipp Corp. & Neighboring Properties

Updated as of May 31, 2012 – Not to Scale

- House with installed mitigation system
- Testing by MKC Contractor Arcadis
- Testing by DNR Contractor BT Squared

Bold – Results Above Action Level

- ▲ Sub-Slab Vapor & Indoor Air Sampling Completed – See Next Pages for Results
- ▲ Sub-Slab Vapor & Indoor Air Sampling: Access Requested or Results Pending
- ▲ Indoor Air-Only Sampling



Residential Vapor Intrusion Testing Near Madison Kipp Corporation

Results for Tetrachloroethylene (PCE) Only
Samples Collected by SCS/BT Squared – April 24-26 2012
All concentrations in *parts-per-billion by volume (ppbv)*

Address	Sub Slab Site	Indoor Air Site
113 S. Marquette	0.3	ND
123 S. Marquette	0.715	0.227
151 S. Marquette	0.28	ND
166 S. Marquette	--	0.17
202 S. Marquette	4.46	ND
206 S. Marquette	0.465	ND
222 S. Marquette	0.356	ND
234 Waubesa	0.385	0.297
249 Waubesa	3.49	ND
250 Waubesa	0.324	ND

Note:

- ND – Not Detected
- No results were found above DNR's established action level for PCE

Residential Vapor Intrusion Testing Near Madison Kipp Corporation

Samples Collected by SCS/BT Squared – April 11-13 2012

Results for Tetrachloroethylene (PCE) Only

All concentrations in *parts-per-billion by volume (ppbv)*

Address	Sub Slab Site	Indoor Air
147 S. Marquette	ND	ND
209 S. Marquette	0.256	ND
218 S. Marquette	0.518	ND
230 Waubesa	0.155	ND
233 Waubesa	0.502	0.307
241 Waubesa	2.67	ND
253 Waubesa	4.9	0.099
257 Waubesa	9.99	0.107
174 Dixon	ND	ND
2902 Fairview	0.186	0.119

Note:

- ND – Not Detected
- **Bold** – Results Above Action Level

(Results continued on next page)

Residential Vapor Intrusion Testing Near Madison Kipp Corporation

Samples Collected by Arcadis – March 2012

Results for Tetrachloroethylene (PCE) Only

All concentrations in *parts-per-billion by volume (ppbv)*

Address	Sub Slab Site #1	Sub Slab Site #2	Indoor Air Site #1	Indoor Air Site #2
102 S. Marquette	0.96	0.18	ND	ND
106 S. Marquette				
110 S. Marquette	1.5	0.28	0.060	0.060
<i>DHS Split</i>	-	0.485	-	-
114 S. Marquette	1.7	.50	.084	.092
118 S. Marquette	1.4	0.32	0.14	0.061
126 S. Marquette	5.8	0.79	0.046	0.045
<i>DHS Split</i>	8.43	1.17	-	-
128 S. Marquette	0.18	ND	ND	ND
130 S. Marquette	2.4	0.46	0.036	ND
<i>DHS Split</i>	2.87	0.732	-	-
134 S. Marquette	6.2	1.6	0.14	0.035
138 S. Marquette				
142 S. Marquette	1.4	0.52	ND	ND
<i>DHS Split</i>	0.742	-	-	-

Note:

- ND – Not Detected
- DHS Split – A sample taken at the exact same time and location by the Wisconsin Department of Health Services
- **Bold** – Results Above Action Level
- Empty cell indicates data is not yet available

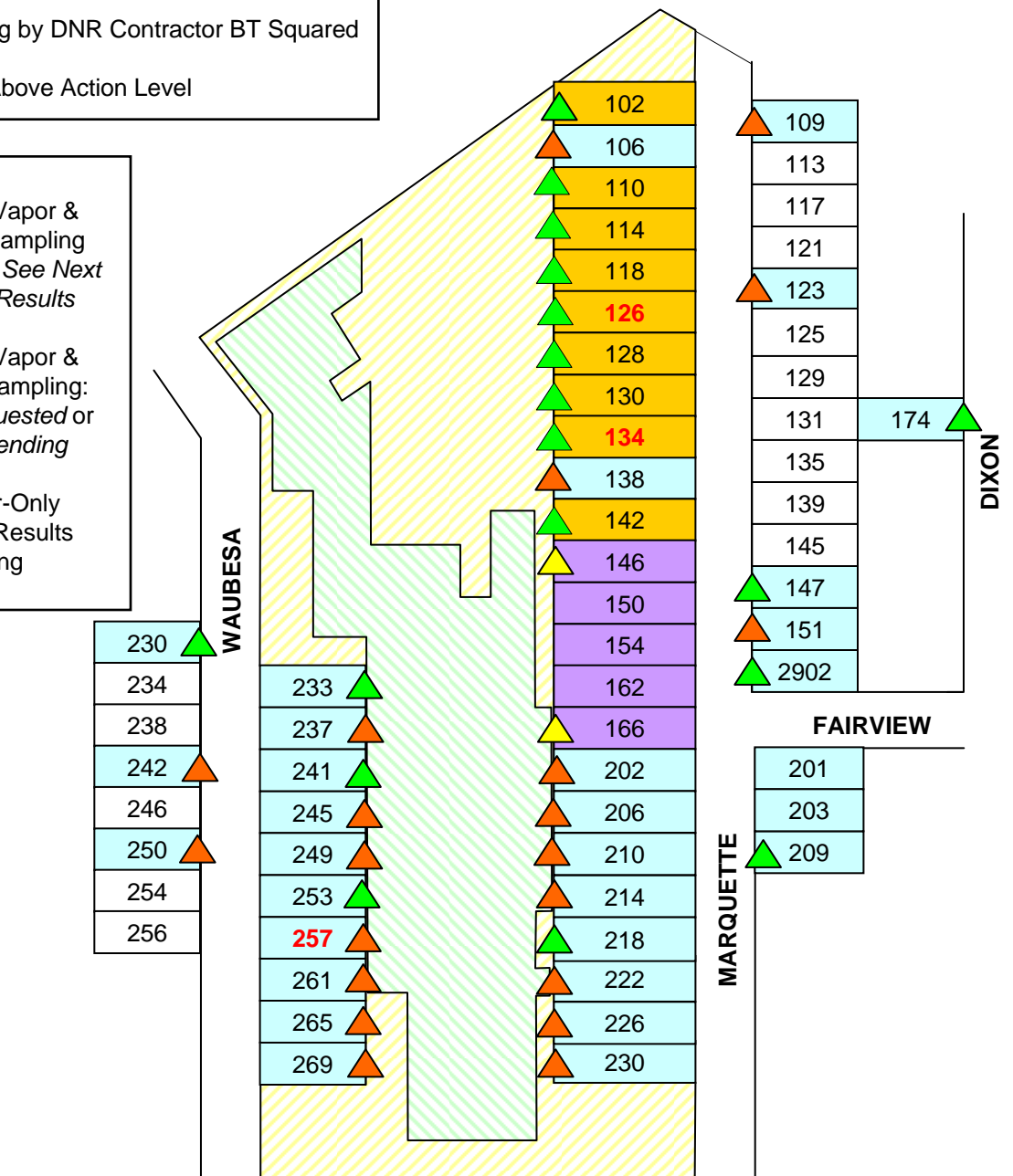
Residential Sampling Update

Madison Kipp Corp. & Neighboring Properties

April 30, 2012 – Not to Scale

- House with installed mitigation system
 - Testing by MKC Contractor Arcadis
 - Testing by DNR Contractor BT Squared
- Bold** – Results Above Action Level

- ▲ Sub-Slab Vapor & Indoor Air Sampling Completed – See Next Pages for Results
- ▲ Sub-Slab Vapor & Indoor Air Sampling: Access Requested or Results Pending
- ▲ Indoor Air-Only Sampling Results Pending



Residential Vapor Intrusion Testing Near Madison Kipp Corporation

Samples Collected by SCS/BT Squared – April 11-13 2012

Results for Tetrachloroethylene (PCE) Only

All concentrations in *parts-per-billion by volume (ppbv)*

Address	Sub Slab Site	Indoor Air
147 S. Marquette	ND	ND
209 S. Marquette	0.256	ND
218 S. Marquette	0.518	ND
230 Waubesa	0.155	ND
233 Waubesa	0.502	0.307
241 Waubesa	2.67	ND
253 Waubesa	4.9	0.099
257 Waubesa	9.99	0.107
174 Dixon	ND	ND
2902 Fairview	0.186	0.119

Note:

- ND – Not Detected
- **Bold** – Results Above Action Level

(Results continued on next page)

Residential Vapor Intrusion Testing Near Madison Kipp Corporation

Samples Collected by Arcadis – March 2012

Results for Tetrachloroethylene (PCE) Only

All concentrations in *parts-per-billion by volume (ppbv)*

Address	Sub Slab Site #1	Sub Slab Site #2	Indoor Air Site #1	Indoor Air Site #2
102 S. Marquette	0.96	0.18	ND	ND
106 S. Marquette				
110 S. Marquette	1.5	0.28	0.060	0.060
<i>DHS Split</i>	-	0.485	-	-
114 S. Marquette	1.7	.50	.084	.092
118 S. Marquette	1.4	0.32	0.14	0.061
126 S. Marquette	5.8	0.79	0.046	0.045
<i>DHS Split</i>	8.43	1.17	-	-
128 S. Marquette	0.18	ND	ND	ND
130 S. Marquette	2.4	0.46	0.036	ND
<i>DHS Split</i>	2.87	0.732	-	-
134 S. Marquette	6.2	1.6	0.14	0.035
138 S. Marquette				
142 S. Marquette	1.4	0.52	ND	ND
<i>DHS Split</i>	0.742	-	-	-

Note:

- ND – Not Detected
- DHS Split – A sample taken at the exact same time and location by the Wisconsin Department of Health Services
- **Bold** – Results Above Action Level
- Empty cell indicates data is not yet available

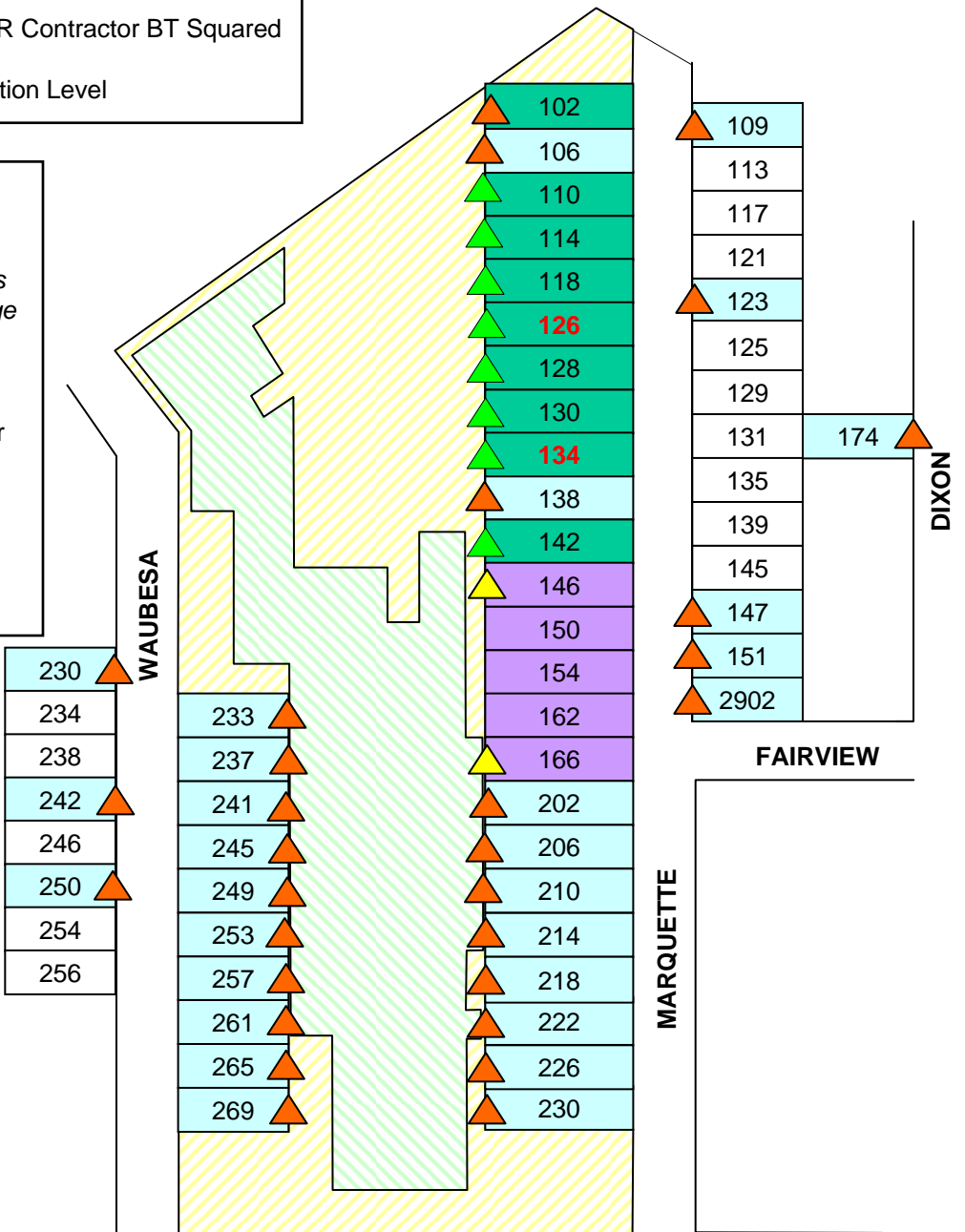
Residential Sampling Update

Madison Kipp Corp. & Neighboring Properties

March 2012 Results – Not to Scale

- House with installed mitigation system
 - Testing by MKC Contractor Arcadis
 - Testing by DNR Contractor BT Squared
- Bold** – Results Above Action Level

- ▲ Sub-Slab Vapor & Indoor Air Sampling Completed – *Results Available on Next Page*
- ▲ Sub-Slab Vapor & Indoor Air Sampling: *Access Requested or Results Pending*
- ▲ Indoor Air-Only Sampling Results Pending



Residential Vapor Intrusion Testing Near Madison Kipp Corporation

Results for Tetrachloroethylene (PCE) Only
 Samples Collected by Arcadis – March 2012
 All concentrations in *parts-per-billion by volume (ppbv)*

Address	Sub Slab Site #1	Sub Slab Site #2	Indoor Air Site #1	Indoor Air Site #2
102 S. Marquette	n/a ¹	n/a	ND	ND
106 S. Marquette				
110 S. Marquette	1.5	0.28	0.060	0.060
<i>DHS Split</i>	-	0.485	-	-
114 S. Marquette	1.7	.50	.084	.092
118 S. Marquette	1.4	0.32	0.14	0.061
126 S. Marquette	5.8	0.79	0.046	0.045
<i>DHS Split</i>	8.43	1.17	-	-
128 S. Marquette	0.18	ND	ND	ND
130 S. Marquette	2.4	0.46	0.036	ND
<i>DHS Split</i>	2.87	0.732	-	-
134 S. Marquette	6.2	1.6	0.14	0.035
138 S. Marquette				
142 S. Marquette	1.4	0.52	ND	ND
<i>DHS Split</i>	0.742	-	-	-

Note:

- ND – Not Detected
- DHS Split – A sample taken at the exact same time and location by the Wisconsin Department of Health Services
- **Bold** – Results Above Action Level
- n/a¹ – sub-slab samples at 102 S. Marquette lost at lab, must be resampled
- Empty cell indicates data is not yet available

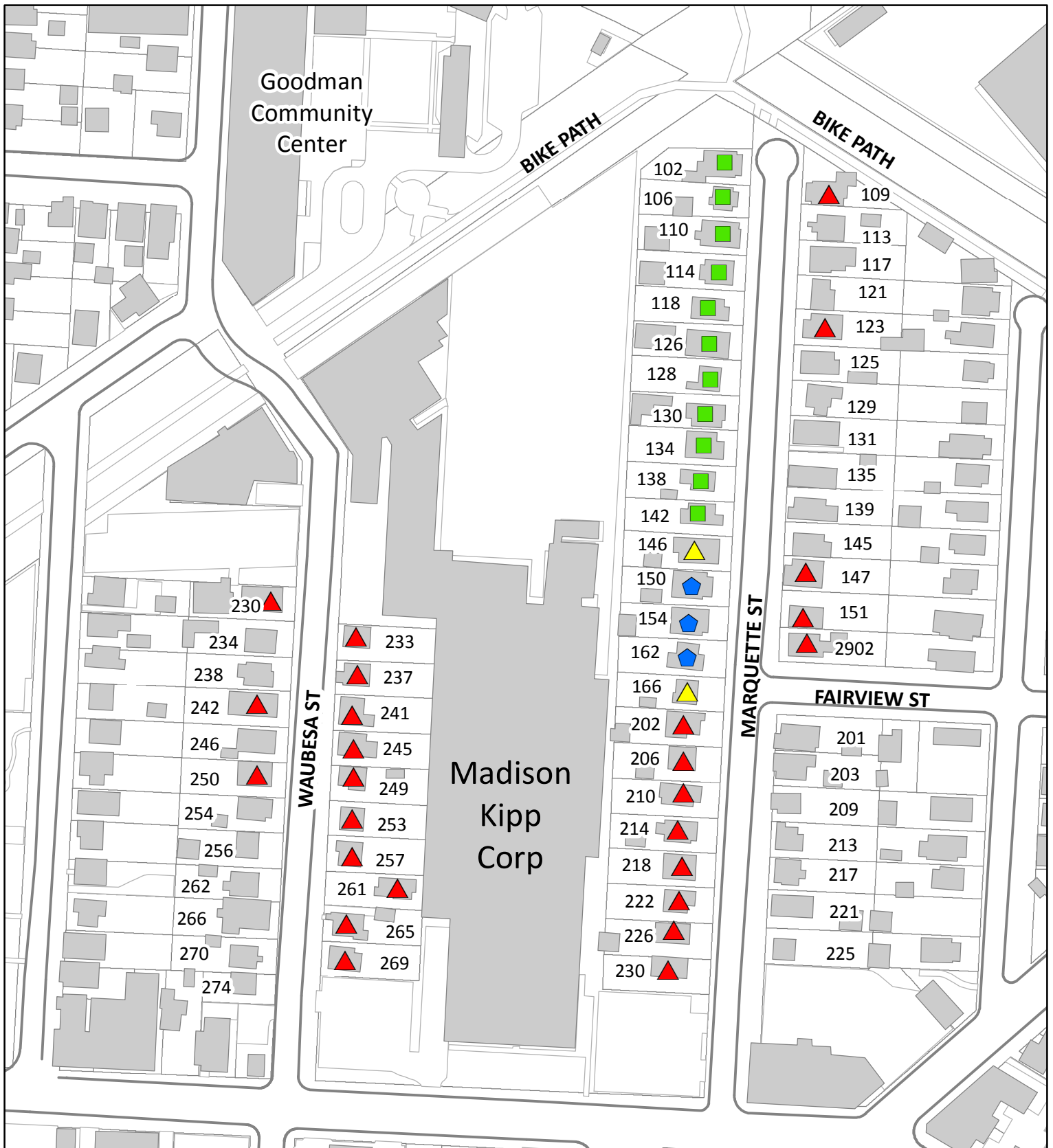


FIGURE 1
 Map of Proposed Indoor Air and Subslab Sampling for Chlorinated Solvent Vapor Migration from Madison Kipp Corp.
 Prepared by City of Madison Engineering (3/21/12)

Note: 150, 154, and 162 Marquette already have had indoor air and subslab testing. 146, 150, 154, 162, and 166 Marquette have subslab depressurization systems (SSDs) installed.

Legend



- ▲ DNR-led Indoor Air and Subslab Sampling
- ▲ DNR-led Indoor Air Only Sampling
- ⬠ No New Sampling Proposed
- MKC-led Indoor Air and Subslab Sampling

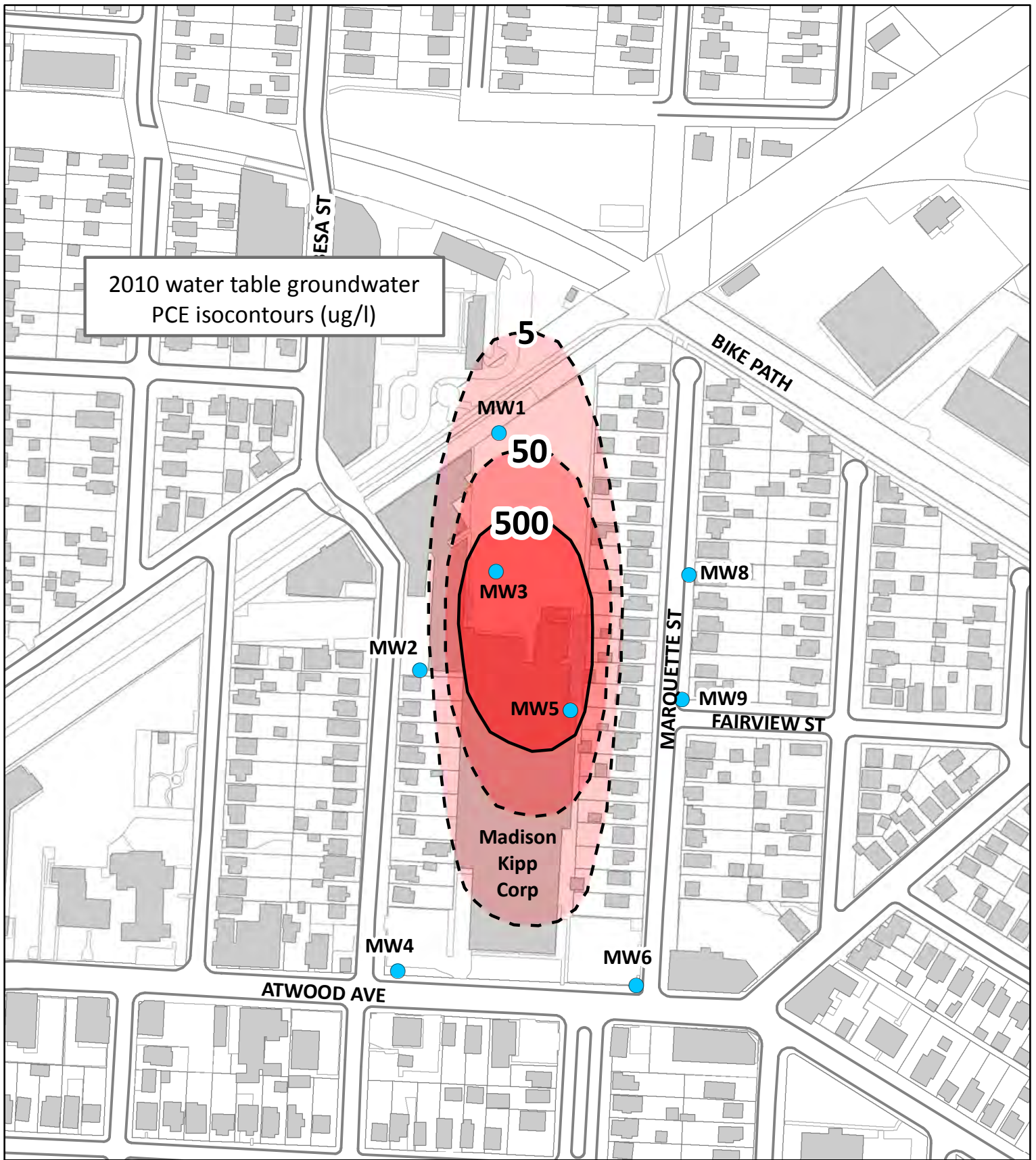
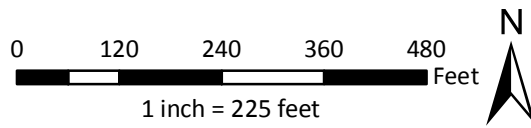


FIGURE 1
 2010 Tetrachloroethylene (PCE) Isocontours in Shallow Water Table Wells
 Prepared by City of Madison Engineering (2/29/12)

Note: Data for MW7 and MW8 are from August 2011.
 Dashed lines are approximate.



Legend

- Shallow Wells (Water Table)
- PCE groundwater plume - 5 ug/l
- PCE groundwater plume - 50 ug/l
- PCE groundwater plume - 500 ug/l

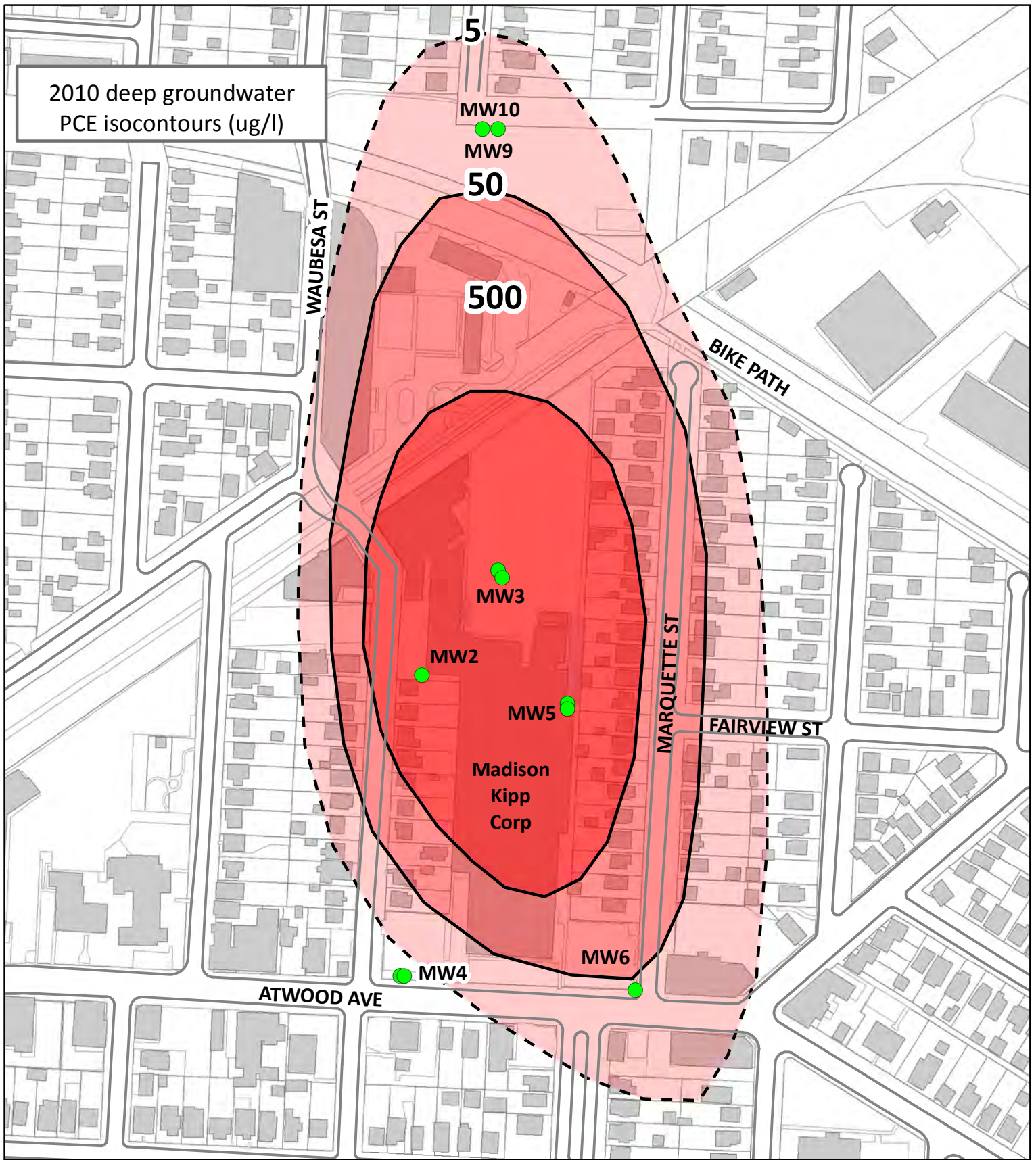
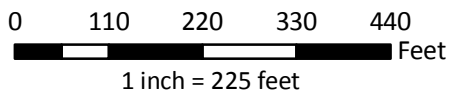


FIGURE 1
 2010 Tetrachloroethylene (PCE) Isocontours in Deep Groundwater Wells
 Prepared by City of Madison Engineering (2/27/12)

Note: Piezometers have 5-foot screens placed between 790 and 810 ft AMSL.



Legend

- Deep Wells (piezometers)
- PCE groundwater plume - 5 ug/l
- PCE groundwater plume - 50 ug/l
- PCE groundwater plume - 500 ug/l