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From:
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Date:
June 29, 2023

Arcadis Project No.:
30174223

Subject:
Buick City – Supplemental Information for PCB Area #3 and #5
RACER, Buick City, Flint, Michigan

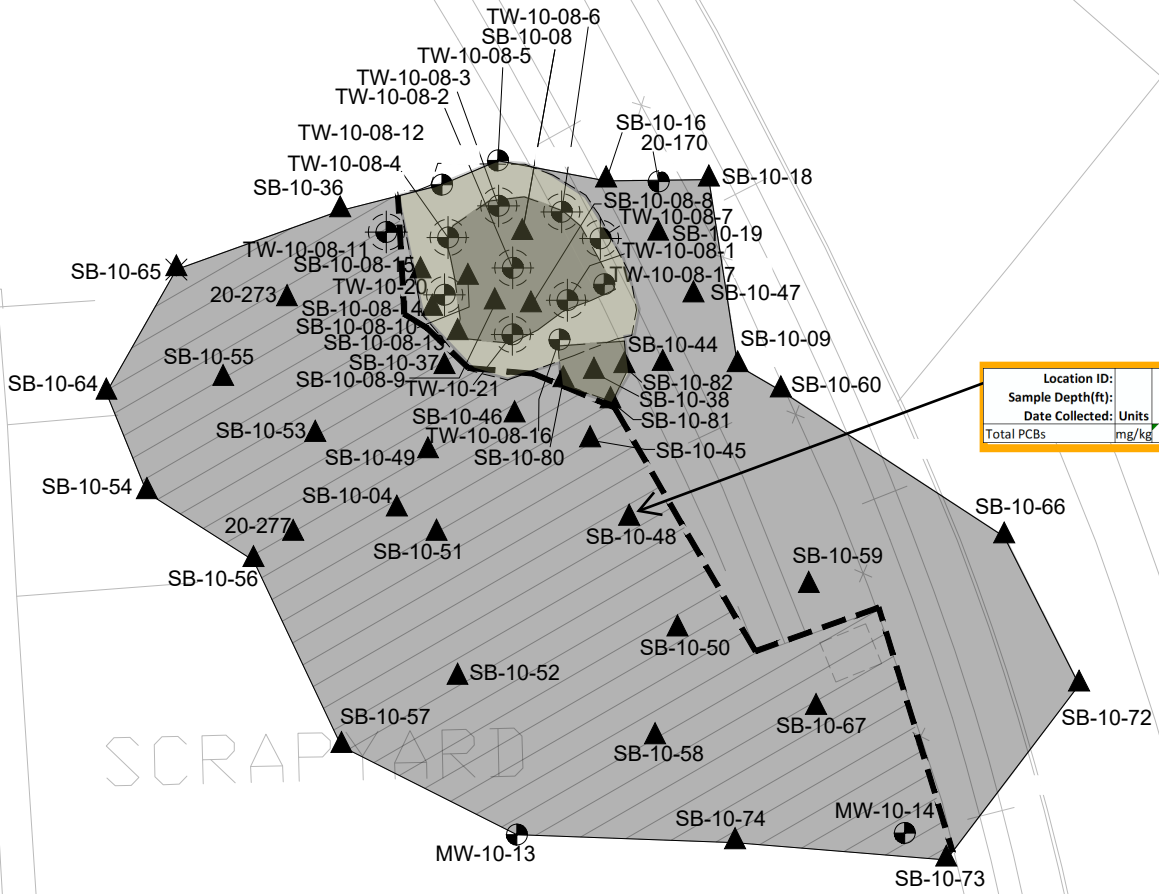
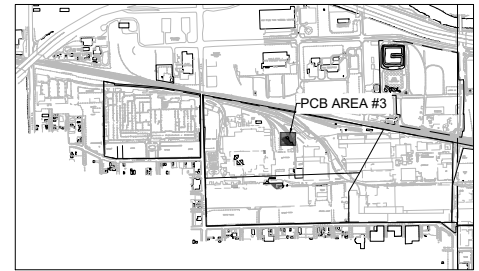
This memo provides supplemental information for PCB Areas #3 and #5 in support of the Buick City 761.61(c) Request (May 2023).

PCB Area #3 Risk-Based Low Occupancy Request - As discussed in the Buick City 761.61(c) Request, the maximum detection of PCBs in soil at PCB Area #3 is 26 ppm at SB-10-48 from 6 to 8 feet below ground surface (ft bgs), which is covered with 1.5 foot of concrete. **Table 1** and **Figure 1** present the surveyed extents of the concrete at PCB Area #3.

PCB Area #5 - Risk-Based Low Occupancy Request - Two soil samples collected from PCB Area #5 detected PCBs at concentrations greater than 25 ppm.

- A soil sample collected from SB-DH-RW-1-30 detected 28 ppm PCBs from 3 to 5 ft bgs. A clay cap was installed at this location in June 2023. A nonwoven geotextile demarcation layer was placed over the area then clay was placed in 4- to 6-inch lifts and compacted by the contractor's equipment. The post capping survey measured 1.4 to 2 feet of clay that was placed over the area. Based on the average hydraulic conductivity of the compacted clay and the cap thickness, the cap is the equivalent of a TSCA cap. The extents of the clay cap are presented in **Table 2** and **Figure 2**.
- A soil sample collected from SB-DH-RW-1-27 detected 61 ppm PCBs from 15 to 17 ft bgs. Surface cover at SB-DH-RW-1-27 is 1.5 feet of concrete. The surveyed extents of the concrete cap are presented on **Figure 2**.

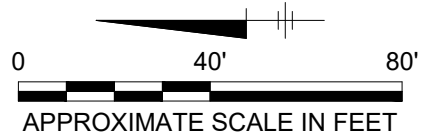
The extent of the concrete and clay caps will be included in the final Declaration of Restrictive Covenant.



LEGEND:

- EXTENT OF PROPOSED RESTRICTED AREA
- AREA COVERED IN CONCRETE
- EXTENT OF EXCAVATION

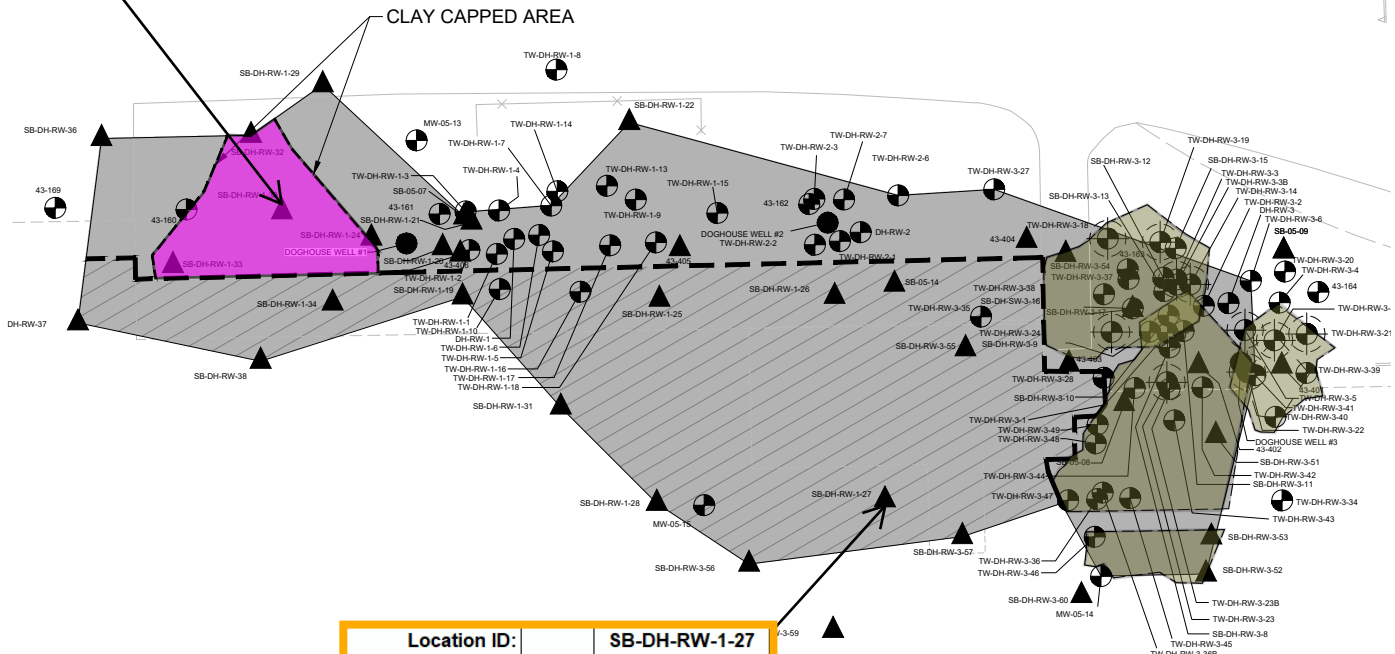
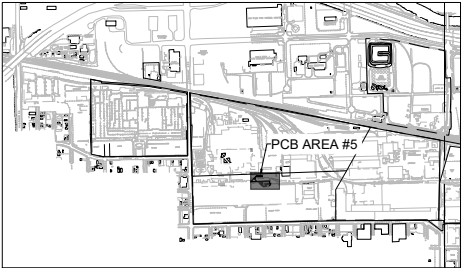
Location ID:	SB-10-48	SB-10-48	SB-10-48
Sample Depth(ft):	1 - 3	4-6	6-8
Date Collected:	01/06/20	01/06/20	01/06/20
Total PCBs	0.4	0.33 U	26 Y



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PCB AREA #3

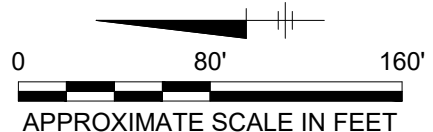
Location ID:	SB-DH-RW-1-30	SB-DH-RW-1-30
Sample Depth(ft):	3 - 5	5 - 7
Date Collected:	02/25/20	02/25/20
Total PCBs	mg/kg 28 Y	11 Y



LEGEND:

- EXTENT OF PROPOSED RESTRICTED AREA
- AREA COVERED IN CONCRETE
- CLAY CAP AREA
- EXTENT OF EXCAVATION

Location ID:	SB-DH-RW-1-27
Sample Depth(ft):	15 - 17
Date Collected:	01/07/20
Total PCBs	mg/kg 61 Y



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PCB AREA #5

ARCADIS | Design & Consultancy for natural and built assets | FIGURE **2**

**Table 1 - PCB Areas #3 and #5 - Coordinates of Concrete and Clay Cap Area
RACER Buick City Site, Flint, Michigan**

PCB AREA #3 - EXTENT OF CONCRETE

AREA	RC Corner	Northing	Easting
PCB AREA #3 - Concrete Extent	C03-01	565760.53	13306318.01
	C03-02	565759.25	13306293.41
	C03-03	565754.53	13306290.54
	C03-04	565745.95	13306282.21
	C03-05	565732.20	13306280.96
	C03-06	565715.46	13306274.01
	C03-07	565686.11	13306223.19
	C03-08	565660.40	13306232.25
	C03-09	565645.01	13306181.44
	C03-10	565646.33	13306179.70
	C03-11	565690.33	13306183.32
	C03-12	565735.77	13306184.96
	C03-13	565772.29	13306203.37
	C03-14	565790.64	13306242.10
	C03-15	565812.84	13306256.24
	C03-16	565821.28	13306277.00
	C03-17	565806.72	13306302.70
	C03-18	565772.58	13306314.95

PCB AREA #5 - EXTENT OF CONCRETE

AREA	RC Corner	Northing	Easting
PCB AREA #5 - Concrete Extent	C05-01	566111.38	13305590.07
	C05-02	566096.07	13305590.3
	C05-03	566095.95	13305583.65
	C05-04	565812.56	13305590.44
	C05-05	565811.93	13305554.88
	C05-06	565793.42	13305554.8
	C05-07	565792.98	13305544.39
	C05-08	565795.63	13305540.89
	C05-09	565802.6	13305540.54
	C05-10	565802.44	13305527.56
	C05-11	565811.49	13305527.29
	C05-12	565810.89	13305523.69
	C05-13	565806.65	13305513.63
	C05-14	565837.67	13305503.22
	C05-15	565904.29	13305494.58
	C05-16	565933.08	13305513.61
	C05-17	565963.10	13305543.67
	C05-18	565993.76	13305578.12
	C05-19	566056.86	13305558.04
	C05-20	566113.95	13305569.98

**Table 1 - PCB Areas #3 and #5 - Coordinates of Concrete and Clay Cap Area
RACER Buick City Site, Flint, Michigan**

PCB AREA #5 - EXTENT OF CLAY CAP

AREA	RC Corner	Northing	Easting
PCB AREA #5 - Cap Extent	C05-21	566089.64	13305583.98
	C05-22	566090.72	13305591.05
	C05-23	566074.59	13305611.13
	C05-24	566067.40	13305628.42
	C05-25	566059.84	13305628.71
	C05-26	566052.50	13305633.75
	C05-27	566047.54	13305624.90
	C05-28	566020.11	13305592.44
	C05-29	566020.35	13305585.78