ARCADIS Design & Consultancy for natural and built assets

Revitalizing Auto Communities Environmental Response Trust

FORMER ADMINISTRATION BUILDING NO. 1 HISTORICAL USE INVESTIGATION REPORT

Buick City Site

Flint, Michigan

May 24, 2017

FORMER ADMINISTRATION BUILDING NO. 1 HISTORICAL USE INVESTIGATION REPORT

Buick City Site, Flint, Michigan

Micki M Maki
Senior Engineer

Chris Peters
Principal in Charge

Prepared for:

Revitalizing Auto Communities Environmental Response Trust

Prepared by:

Arcadis of Michigan, LLC
28550 Cabot Drive
Suite 500
Novi
Michigan 48377
Tel 248 994 2240
Fax 248 994 2241

Our Ref.:

B0064410.2017.00207

Date:

May 24, 2017

CONTENTS

TABLES

FIGURES

ATTACHMENTS

EXECUTIVE SUMMARY

The results of the 2017 investigation of the early historic uses at the former Administration Building No. 1 (Admin Bldg No.1 Area) were consistent with existing site data.

At the Admin Bldg No.1 Area concentrations of select volatile organic compounds (VOCs) and metals exceeded Michigan Part 201 groundwater/surface water interface (GSI) criteria and nonresidential drinking water (NDW) criteria. An evaluation of these exposure pathways indicates that the GSI pathway is not complete and there currently are not any known receptors for the nonresidential drinking water pathway. Therefore, impacts at the Admin Bldg No. 1 Area will be addressed by institutional controls.

1. INTRODUCTION AND BACKGROUND

This report was prepared by Arcadis of Michigan, LLC (Arcadis) on behalf of Revitalizing Auto Communities Environmental Response Trust (RACER) to summarize the results of the former Administration Building No. 1 Area (Admin Bldg No. 1 Area) Historic Use Investigation completed at the Buick City Site (Site) located in Flint, Michigan (**Figure 1**).

Investigations previously completed at the Site during RCRA Facility Investigation (RFI) activities (early 2000s) did not include examining early historic property use (prior to purchase by General Motors) in the Southend of the Site. In 2008 AKT Peerless was contracted by a third party in support of a proposed redevelopment plan to conduct a Phase I Environmental Site Assessment (Phase I ESA) for the Southend of the Site. The Phase I ESA identified several areas of early historic use that were recommended for further investigation. The Sanborn maps from the Phase I are presented in **Attachment 1**.

This report summarizes investigation of the early historic use at the Admin Bldg No. 1 Area to support final closure of this area of the Site.

2. FORMER ADMINISTRATION BUILDING NO.1 INVESTIGATION

2.1 Field Investigation

According to the Phase I ESA, early historic uses south of Hamilton Avenue at the Admin Bldg No.1 Area included three drycleaners, two auto repair shops, a fire station, a vulcanizing business, a filling station/laundry and a machine shop/nickel plating/ screw and machine shop. Nine soil borings (SB-BD01-1 through SB-BD01-9) were completed in the Admin Bldg No. 1 Area in February 2017 to supplement existing Site data and evaluate impacts from these historic activities (**Figure 2**).

The soil borings were completed to 15 to 25 feet below ground surface (ft bgs), depending on the location of the water table and the geology encountered. No chemical odors or staining were noted in any of the borings. Photoionization detector (PID) headspace readings ranged from zero parts per million (ppm) to a maximum of 31.1 ppm. One soil sample was collected from each boring from the two-foot interval above the water table with the exception of SB-BD01-04. At soil boring SB-BD01-04 perched water was encountered at six ft bgs and elevated PID readings (31.1 ppm) were detected at 14 ft bgs; therefore, two soil samples were collected. One sample was collected from the two-foot interval above the perched water (4 to 6 ft bgs) and a second sample was collected from the interval with the highest PID readings (13 to 15 ft bgs). In addition, groundwater grab samples were collected from locations SB-BD01-1, SB-BD01-2, SB-BD01-4, and SB-BD01-7. Boring logs are included as **Attachment 2**.

Soil samples were submitted to the laboratory for analysis of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs) and metals. Groundwater samples were submitted to the laboratory for analysis of VOCs, SVOCs, and metals (total and dissolved).

Soil and groundwater data from the 2017 investigation are presented in Tables 1 and 2, respectively. Please note that inorganic analytical results which do not exceed State Default Background Levels (SDBL) are not considered exceedances and are not bolded and shaded or discussed herein.

2.2 Summary of Results

Figure 2 presents the results of the soil and groundwater sampling completed during this investigation as well as historic data from the Admin Bldg No. 1 Area. The historic data collected from within the investigation areas are discussed below. **Tables 1 and 2** present the soil and groundwater sampling results, respectively. The historic data are presented in **Attachment 3**.

Fire Station (1909-1968)

Soil boring SB-BD01-1 was installed at the former location of the fire station (1909-1968) (**Figure 2**). Concentrations of constituents of concern (COCs) in the soil sample, collected from a clay layer at 12 to 14 ft bgs did not exceed any applicable criteria (**Table 1**). COC concentrations in the corresponding groundwater sample exceeded groundwater/surface water interface (GSI) and nonresidential drinking water (NDW) criteria. GSI criteria were exceeded for manganese (total) and mercury (total) and the NDW-health based criteria for manganese (total) (**Table 2**). Groundwater sample concentrations did not exceed GSI or NDW criteria for dissolved metals.

Historic soil and groundwater samples (2001-2004) were collected in the former fire station area at BD01-02, BD01-02R, and BD01-04. COC concentrations in one of the soil samples collected from BD01-02 (0 to 2 ft bgs) exceeded the GSI Protection (GSIP) criterion for chromium (**Figure 2**), while the soil samples collected from BD01-04 (0.3 to 2.3 and 6.3 to 8.3 ft bgs) exceeded GSIP and/or NDW Protection (NDWP) criteria for methylene chloride, arsenic, chromium and/or cobalt. The groundwater grab sample collected from BD01-02 detected benzene, manganese (total and dissolved), and selenium (total and dissolved) at concentrations exceeding the NDW, NDW- aesthetic, and GSI criteria, respectively. At monitoring well BD01-02R benzene was detected in groundwater at a concentration exceeding the NDW criterion in 2002; however, subsequent samples collected in 2003 and 2004 were below the criterion. The groundwater sample collected from monitoring well BD01-04 was analyzed for VOCs and concentrations did not exceed criteria. The historic data tables are presented in **Attachment 3**.

Note that the analytes detected above GSIP and NDWP criteria in soil samples were not detected above criteria in the groundwater samples.

Auto Repair (1931-1937)

Soil boring SB-BD01-2 was installed at the former location of an auto repair shop (1931-1937) in the southeast corner of the Admin Bldg No. 1 Area (**Figure 2**). COC concentrations in the soil sample, collected from 14 to 16 ft bgs, did not exceed any applicable criteria (**Table 1**). The corresponding grab groundwater sample exceeded the NDW – Health Based (HB) criterion for total manganese, the NDW-aesthetic criteria for dissolved manganese, and both the GSI and NDW criteria for total mercury (**Table 2**). Note that dissolved mercury was not detected above criteria.

Filling Station (1928-1931) / Laundry (1931)

In 2001, monitoring well BD01-03 was installed at the location of a former filling station (1928-1931) and laundry (1931). The copper concentration in one of the soil samples collected from 0.4 to 2.4 ft bgs, exceeded NDWP criterion (**Figure 2**). The groundwater sample collected from BD01-03 exceeded NDW-aesthetic criterion for total and dissolved manganese and the GSI criterion for total silver. The historic data tables are presented in **Attachment 3**.

Machine Shop (1914), Nickel Plate (1915), Screw & Machine Products (1921-1962)

Soil borings SB-BD01-3 and SB-BD01-4 were installed at the approximate location of a former machine shop, nickel plating operation, and screw and machine products manufacturing facilities, near the center of the Admin Bldg No. 1 Area (**Figure 2**). The soil sample from SB-BD01-3 was collected from a sand layer at 3 to 5 ft bgs, while the two soil samples from SB-BD01-4 were collected from sand layers at 4 to 6 ft bgs and 13 to15 ft bgs. COC concentrations in the soil samples did not exceed criteria (**Table 1**).

A groundwater grab sample collected from SB-BD01-4 exceeded GSI and/or NDW criteria for barium (total), cadmium (total), copper (total), lead (total), and total nickel (total). In additional manganese (total) exceeded the NDW-HB criterion while manganese (dissolved) exceeded NDW - aesthetic (**Table 2**).

Auto Repair (1926-1962)

Soil boring SB-BD01-5 was completed at the approximate location of a former auto repair shop in the northwest corner of the Admin Bldg No. 1 Area. The soil sample, collected just above the water table in a sand layer from 9 to 11 ft bgs, detected no exceedances of criteria (**Table 1**).

Dry Cleaners (1914, 1931)

Soil borings SB-BD01-6 and SB-BD01-7 were completed at the approximate locations of two former dry cleaners located along North Street (**Figure 2**). COC concentrations in the soil samples, both collected from 8 to 10 ft bgs in a clay layer just above the water table, did not exceed applicable criteria (**Table 1**). A groundwater grab sample collected from SB-BD01-7 exceeded the GSI criterion for copper, the NDW criterion for lead (total), and the NDW-aesthetic criterion for manganese (total and dissolved) (**Table 2**).

Vulcanizing (1928)

Soil boring SB-BD01-8 was completed at the approximate location of a former vulcanizing operation located in the southwest corner of the Admin Bldg No. 1 Area (**Figure 2**). The soil sample, collected just above the water table in a sand layer from 4 to 6 feet, did not exceed applicable criteria (**Table 1**).

Two of the historic soil samples collected from nearby monitoring well BD01-01 detected exceedances of GSIP and/or NDWP criteria for arsenic, chromium, cobalt, manganese, and/or selenium. No groundwater data samples have been collected from BD01-01. The historic data tables are presented in **Attachment 3**.

Dry Cleaners (1921)

Soil boring SB-BD01-9 was completed at the approximate location of a former dry cleaners in the southwest corner of the Admin Bldg No. 1 Area (**Figure 2**). COC concentrations in a soil sample collected

from just above the water table in a sand layer from 6 to 8 ft bgs, did not exceed applicable criteria (**Table 1**).

2.3 Pathway Evaluation

Soil and groundwater samples collected from the Admin Bldg No. 1 Area were detected at concentrations exceeding GSI/GSIP and/or NDW/NDWP criteria. Each of these pathways is evaluated below:

2.3.1 Groundwater Surface Water Interface Pathway

Soil and groundwater samples collected from the Admin Bldg No. 1 Area exceeded GSI and/or GSIP criteria for select metals (arsenic, barium, cadmium, chromium, cobalt, copper, manganese, mercury, nickel, selenium and silver). At the Admin Bldg No. 1 Area groundwater infiltration into the Outfall 013 storm sewer, which subsequently discharges to the Flint River, is a potential GSI pathway. Based on the distance to the river (>1,600 feet) and downgradient samples that do not exceed GSI criteria, the direct discharge pathway to the river is not complete.

The groundwater infiltration to Outfall 013 pathway was assessed by evaluating elevation of groundwater and the storm sewer lines in the Admin Bldg No. 1 Area. Based on available elevation data the storm sewer is shallow (generally within 5 feet of ground surface) in this portion of the Site and sits above the groundwater table. Therefore, while soil and groundwater samples collected from the Admin Bldg No.1 Area exceed GSI and GSIP criteria for select metals the groundwater does not have a complete pathway to the storm sewer in this portion of the Site.

Figure 3 provides a summary of the ground surface elevations, groundwater elevations (either from monitoring well gauging or soil boring logs) and invert elevations of the Outfall 013 storm sewer.

2.3.2 Nonresidential Drinking Water Pathway

COC concentrations in soil samples collected during the 2017 investigation did not exceed NDWP criteria; however, historic soil samples detected methylene chloride, arsenic, copper, cobalt, and manganese at concentrations exceeding NDWP criteria. COC concentrations in groundwater samples collected from the Admin Bldg No. 1 Area during the 2017 investigation exceeded NDW criteria for lead (total), manganese (total and dissolved), and mercury (total). In addition to these analytes historic samples also exceeded the NDW criterion for benzene.

The majority of the analytes detected above NDW criteria in groundwater only exceeded in the unfiltered samples, indicating that these impacts are associated with the sediment in the sample and not the groundwater. Manganese was the only analyte detected in the dissolved samples at concentrations exceeding NDW, and it only exceeded the aesthetic based criteria.

Groundwater at the Site is not used for drinking water purposes and based on well survey conducted in 2014 there are no drinking water wells located between the Site and the Flint River. Therefore, there currently are not any known receptors for the drinking water pathway; however, institutional controls will be required on-Site eliminate this pathway.

3 CONCLUSIONS

The historic use investigation detected select VOCs and metals at concentrations exceeding GSI/GSIP and/ or NDW/NDWP criteria. As discussed above the groundwater /surface water and nonresidential drinking water pathways are not currently complete at the Bldg No.1 Area of the Site. Implementing institutional controls at the Admin Bldg No. 1 Area will eliminate the NDW pathway in this portion of the Site.

TABLES

Table 1.
2017 Southend Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDWP (2013)	NPSIC (2013)	NSVIA (2013)	NVSICI (2013)	SDBL (2013)	SB-BD01-1 12 - 14 02/14/17	SB-BD01-2 14 - 16 02/15/17	SB-BD01-3 3 - 5 02/15/17	SB-BD01-4 4 - 6 02/16/17
Volatile Organics												
1,1,1,2-Tetrachloroethane	mg/kg	440	- -	6.4	530,000	33	120	- -	0.1 U	0.1 U	0.1 U	0.1 U
1,1,1-Trichloroethane	mg/kg	460	1.8	4	29,000,000	460	4,500	- -	0.06 U	0.05 U	0.06 U	0.06 U
1,1,2,2-Tetrachloroethane	mg/kg	870	1.6	0.7	68,000	23	34	- -	0.06 U	0.05 U	0.06 U	0.06 U
1,1,2-Trichloroethane	mg/kg	920	6.6	0.1	250,000	24	57	- -	0.06 U	0.05 U	0.06 U	0.06 U
1,1-Dichloroethane	mg/kg	890	15	50	15,000,000	430	2,500	- -	0.06 U	0.05 U	0.06 U	0.06 U
1,1-Dichloroethene	mg/kg	570	2.6	0.14	78,000	0.33	3.7	- -	0.06 U	0.05 U	0.06 U	0.06 U
1,2,3-Trichlorobenzene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.39 U	0.35 U	0.43 U	0.39 U
1,2,3-Trichloropropane	mg/kg	830	- -	2.4	8,800	7.5	11	- -	0.1 U	0.1 U	0.1 U	0.1 U
1,2,3-Trimethylbenzene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.06 U	0.05 U	0.06 U	0.06 U
1,2,4-Trichlorobenzene	mg/kg	1,100	5.9	4.2	11,000,000	18,000	34,000	- -	0.39 U	0.35 U	0.43 U	0.39 U
1,2,4-Trimethylbenzene	mg/kg	110	0.57	2.1	36,000,000	8,000	25,000	- -	0.06 U	0.05 U	0.06 U	0.06 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	1.2	- -	0.01	700	1.2	0.9	- -	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dibromoethane (Ethylene dibromide)	mg/kg	890	0.11	0.02	18,000	3.6	5.8	- -	0.02 UM	0.02 UM	0.03 UM	0.02 UM
1,2-Dichlorobenzene	mg/kg	210	0.28	14	44,000,000	20,000	46,000	- -	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloroethane	mg/kg	1,200	7.2	0.1	150,000	11	21	- -	0.06 U	0.05 U	0.06 U	0.06 U
1,2-Dichloropropane	mg/kg	550	4.6	0.1	120,000	7.4	30	- -	0.06 U	0.05 U	0.06 U	0.06 U
1,3,5-Trimethylbenzene	mg/kg	94	1.1	1.8	36,000,000	4,800	19,000	- -	0.06 U	0.05 U	0.06 U	0.06 U
1,3-Dichlorobenzene	mg/kg	170	0.68	0.48	88,000	48	94	- -	0.1 U	0.1 U	0.1 U	0.1 U
1,4-Dichlorobenzene	mg/kg	- -	0.36	1.7	570,000	100	260	- -	0.1 U	0.1 U	0.1 U	0.1 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	27,000	44	760	29,000,000	99,000	35,000	- -	0.88 U	0.81 U	0.97 U	0.89 U
2-Hexanone	mg/kg	2,500	- -	58	1,200,000	1,800	1,300	- -	3 U	3 U	3 U	3 U
2-Methylnaphthalene	mg/kg	- -	4.2	170	290,000	4,900	1,800	- -	0.1 U	0.1 U	0.1 U	0.1 U
2-Phenylbutane (sec-Butylbenzene)	mg/kg	10,000	- -	4.6	180,000	- -	- -	- -	0.06 U	0.05 U	0.06 U	0.06 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	- -	- -	- -	- -	- -	- -	- -	3 U	3 U	3 U	3 U
Acetone	mg/kg	110,000	34	42	170,000,000	540,000	160,000	- -	1 U	1 U	1 U	1 U
Acrylonitrile	mg/kg	8,300	0.1	0.22	58,000	35	17	- -	0.1 U	0.1 U	0.1 U	0.1 U
Benzene	mg/kg	400	4	0.1	470,000	8.4	45	- -	0.06 U	0.05 U	0.06 U	0.06 U
Bromobenzene	mg/kg	760	- -	1.5	240,000	580	540	- -	0.1 U	0.1 U	0.1 U	0.1 U
Bromodichloromethane	mg/kg	1,500	- -	1.6	110,000	6.4	31	- -	0.1 U	0.1 U	0.1 U	0.1 U
Bromoform	mg/kg	870	- -	1.6	3,600,000	770	3,100	- -	0.1 U	0.1 U	0.1 U	0.1 U
Bromomethane (Methyl bromide)	mg/kg	2,200	0.7	0.58	150,000	1.6	13	- -	0.2 U	0.2 U	0.3 U	0.2 U
Carbon disulfide	mg/kg	280	- -	46	21,000,000	140	1,600	- -	0.3 U	0.3 U	0.3 U	0.3 U
Carbon tetrachloride	mg/kg	390	0.9	0.1	170,000	0.99	12	- -	0.06 U	0.05 U	0.06 U	0.06 U
Chlorobenzene	mg/kg	260	0.5	2	2,100,000	220	920	- -	0.06 U	0.05 U	0.06 U	0.06 U
Chlorobromomethane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.1 U	0.1 U	0.1 U	0.1 U
Chloroethane	mg/kg	950	22	34	290,000,000	5,300	36,000	- -	0.3 U	0.3 U	0.3 U	0.3 U
Chloroform (Trichloromethane)	mg/kg	1,500	7	1.6	1,600,000	38	150	- -	0.06 U	0.05 U	0.06 U	0.06 U
Chloromethane (Methyl chloride)	mg/kg	1,100	- -	22	2,600,000	10	120	- -	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,2-Dichloroethene	mg/kg	640	12	1.4	1,000,000	41	210	- -	0.06 U	0.05 U	0.06 U	0.06 U
cis-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.06 U	0.05 U	0.06 U	0.06 U
Cymene (p-Isopropyltoluene)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.1 U	0.1 U	0.1 U	0.1 U
Dibromochloromethane	mg/kg	610	- -	1.6	160,000	21	80	- -	0.1 U	0.1 U	0.1 U	0.1 U
Dibromomethane	mg/kg	2,000	- -	4.6	- -	- -	- -	- -	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	mg/kg	1,000	- -	270	1,500,000,000	1,700	63,000	- -	0.3 U	0.3 U	0.3 U	0.3 U
Ethyl ether	mg/kg	7,400	- -	0.2	350,000,000	52,000	100,000	- -	0.2 U	0.2 U	0.3 U	0.2 U
Ethylbenzene	mg/kg	140	0.36	1.5	13,000,000	460	2,400	- -	0.06 U	0.05 U	0.06 U	0.06 U
Hexachloroethane	mg/kg	- -	1.8	1.2	100,000	79	660	- -	0.4 U	0.3 U	0.4 U	0.4 U
Iodomethane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.1 U	0.1 U	0.1 U	0.1 U
Isopropyl benzene	mg/kg	390	3.2	260	2,600,000	730	2,000	- -	0.3 U	0.3 U	0.3 U	0.3 U
m&p-Xylene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.1 U	0.1 U	0.1 U	0.1 U
Methyl tert butyl ether (MTBE)	mg/kg	5,900	140	0.8	88,000,000	18,000	30,000	- -	0.2 U	0.2 U	0.3 U	0.2 U
Methylene chloride	mg/kg	2,300	30	0.1	8,300,000	240	700	- -	0.1 U	0.1 U	0.1 U	0.1 U
Naphthalene	mg/kg	- -	0.73	100	88,000	470	350	- -	0.3 U	0.3 U	0.3 U	0.3 U
N-Butylbenzene	mg/kg	10,000	- -	4.6	880,000	- -	- -	- -	0.06 U	0.05 U	0.06 U	0.06 U
N-Propylbenzene	mg/kg	10,000	- -	4.6	590,000	- -	- -	- -	0.06 U	0.05 U	0.06 U	0.06 U
o-Xylene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.06 U	0.05 U	0.06 U	0.06 U
Styrene	mg/kg	520	2.1	2.7	6,900,000	1,300	3,300	- -	0.06 U	0.05 U	0.06 U	0.06 U
tert-Butylbenzene	mg/kg	10,000	- -	4.6	290,000	- -	- -	- -	0.06 U	0.05 U	0.06 U	0.06 U
Tetrachloroethene	mg/kg	88	1.2	0.1	1,200,000	21	210	- -	0.06 U	0.05 U	0.06 U	0.06 U

Table 1.
2017 Southend Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDWP (2013)	NPSIC (2013)	NSVIA (2013)	NVSICI (2013)	SDBL (2013)	SB-BD01-1 12 - 14 02/14/17	SB-BD01-2 14 - 16 02/15/17	SB-BD01-3 3 - 5 02/15/17	SB-BD01-4 4 - 6 02/16/17
Tetrahydrofuran	mg/kg	120,000	220	5.4	170,000,000	2,400	15,000	- -	1 U	1 U	1 U	1 U
Toluene	mg/kg	250	5.4	16	12,000,000	610	3,300	- -	0.06 U	0.05 U	0.06 U	0.06 U
trans-1,2-Dichloroethene	mg/kg	1,400	30	2	2,100,000	43	330	- -	0.06 U	0.05 U	0.06 U	0.06 U
trans-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.06 U	0.05 U	0.06 U	0.06 U
trans-1,4-Dichloro-2-butene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.06 U	0.05 U	0.06 U	0.06 U
Trichloroethene	mg/kg	500	4	0.1	59,000	1.9	14	- -	0.06 U	0.05 U	0.06 U	0.06 U
Trichlorofluoromethane (CFC-11)	mg/kg	560	- -	150	1,700,000,000	5,100	110,000	- -	0.1 U	0.1 U	0.1 U	0.1 U
Vinyl chloride	mg/kg	490	0.26	0.04	890,000	2.8	29	- -	0.06 U	0.05 U	0.06 U	0.06 U
SVOC												
1,2,4-Trichlorobenzene	mg/kg	1,100	5.9	4.2	11,000,000	18,000	34,000	- -	0.33 U	0.33 U	0.33 U	0.33 U
1,2-Dichlorobenzene	mg/kg	210	0.28	14	44,000,000	20,000	46,000	- -	0.33 U	0.33 U	0.33 U	0.33 U
1,2-Diphenylhydrazine	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
1,3-Dichlorobenzene	mg/kg	170	0.68	0.48	88,000	48	94	- -	0.33 U	0.33 U	0.33 U	0.33 U
1,4-Dichlorobenzene	mg/kg	- -	0.36	1.7	570,000	100	260	- -	0.33 U	0.33 U	0.33 U	0.33 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
2,4,5-Trichlorophenol	mg/kg	- -	- -	110	10,000,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
2,4,6-Trichlorophenol	mg/kg	- -	0.33	9.4	1,300,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
2,4-Dichlorophenol	mg/kg	1,800	0.33	4.2	2,300,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
2,4-Dimethylphenol	mg/kg	- -	7.6	20	2,100,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
2,4-Dinitrophenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.83 U	0.83 U	0.83 U	0.83 U
2,4-Dinitrotoluene	mg/kg	- -	- -	0.64	20,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
2,6-Dinitrotoluene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
2-Chloronaphthalene	mg/kg	- -	- -	1,800	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
2-Chlorophenol	mg/kg	19,000	0.36	2.6	530,000	800	1,100	- -	0.33 U	0.33 U	0.33 U	0.33 U
2-Methylnaphthalene	mg/kg	- -	4.2	170	290,000	4,900	1,800	- -	0.33 U	0.33 U	0.33 U	0.33 U
2-Methylphenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
2-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.83 U	0.83 U	0.83 U	0.83 U
2-Nitrophenol	mg/kg	- -	- -	1.2	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
3&4-Methylphenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
3,3'-Dichlorobenzidine	mg/kg	- -	2	2	8,200	- -	- -	- -	2 U	2 U	2 U	2 U
3-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.83 U	0.83 U	0.83 U	0.83 U
4,6-Dinitro-2-methylphenol	mg/kg	- -	- -	0.83	59,000	- -	- -	- -	0.83 U	0.83 U	0.83 U	0.83 U
4-Bromophenyl phenyl ether	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
4-Chloro-3-methylphenol	mg/kg	- -	0.28	16	- -	- -	- -	- -	0.28 U	0.28 U	0.28 U	0.28 U
4-Chloroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
4-Chlorophenyl phenyl ether	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
4-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.83 U	0.83 U	0.83 U	0.83 U
4-Nitrophenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.83 U	0.83 U	0.83 U	0.83 U
Acenaphthene	mg/kg	- -	8.7	880	6,200,000	350,000	97,000	- -	0.33 U	0.33 U	0.33 U	0.33 U
Acenaphthylene	mg/kg	- -	- -	17	1,000,000	3,000	2,700	- -	0.33 U	0.33 U	0.33 U	0.33 U
Anthracene	mg/kg	- -	- -	41	29,000,000	1,000,000	1,600,000	- -	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(a)anthracene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(a)pyrene	mg/kg	- -	- -	- -	1,900	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(b)fluoranthene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(g,h,i)perylene	mg/kg	- -	- -	- -	350,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(k)fluoranthene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.34	0.33 U
bis(2-Chloroethoxy)methane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
bis(2-Chloroethyl)ether	mg/kg	2,200	0.1	0.17	12,000	44	13	- -	0.33 U	0.33 U	0.33 U	0.33 U
bis(2-Ethylhexyl)phthalate (DEHP)	mg/kg	10,000	- -	- -	890,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Butyl benzylphthalate (BBP)	mg/kg	310	120	5,000	21,000,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Chrysene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Dibenz(a,h)anthracene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Dibenzofuran	mg/kg	- -	1.7	- -	2,900	3,600	160	- -	0.33 U	0.33 U	0.33 U	0.33 U
Diethyl phthalate	mg/kg	740	2.2	320	1,500,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Dimethyl phthalate	mg/kg	790	- -	4,200	1,500,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Di-n-butylphthalate (DBP)	mg/kg	760	11	2,700	1,500,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Di-n-octyl phthalate (DnOP)	mg/kg	140,000	- -	290,000	14,000,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Fluoranthene	mg/kg	- -	5.5	730	4,100,000	1,000,000	890,000	- -	0.33 U	0.33 U	0.6	0.33 U
Fluorene	mg/kg	- -	5.3	890	4,100,000	1,000,000	150,000	- -	0.33 U	0.33 U	0.33 U	0.33 U
Hexachlorobenzene	mg/kg	- -	0.35	1.8	8,500	220	56	- -	0.33 U	0.33 U	0.33 U	0.33 U

Table 1.
2017 Southend Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDWP (2013)	NPSIC (2013)	NSVIA (2013)	NVSICI (2013)	SDBL (2013)	SB-BD01-1 12 - 14 02/14/17	SB-BD01-2 14 - 16 02/15/17	SB-BD01-3 3 - 5 02/15/17	SB-BD01-4 4 - 6 02/16/17
Hexachlorobutadiene	mg/kg	350	0.091	72	180,000	710	460	- -	0.33 U	0.33 U	0.33 U	0.33 U
Hexachlorocyclopentadiene	mg/kg	720	- -	320	5,900	56	60	- -	0.33 U	0.33 U	0.33 U	0.33 U
Hexachloroethane	mg/kg	- -	1.8	1.2	100,000	79	660	- -	0.33 U	0.33 U	0.33 U	0.33 U
Indeno(1,2,3-cd)pyrene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Isophorone	mg/kg	2,400	26	62	8,200,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Naphthalene	mg/kg	- -	0.73	100	88,000	470	350	- -	0.33 U	0.33 U	0.33 U	0.33 U
Nitrobenzene	mg/kg	490	3.6	0.33	21,000	170	64	- -	0.33 U	0.33 U	0.33 U	0.33 U
N-Nitrosodi-n-propylamine	mg/kg	1,500	- -	0.33	2,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
N-Nitrosodiphenylamine	mg/kg	- -	- -	22	2,800,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Pentachlorophenol	mg/kg	- -	27	0.022	130,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Phenanthrene	mg/kg	- -	2.1	160	2,900	5,100	190	- -	0.33 U	0.33 U	0.33 U	0.33 U
Phenol	mg/kg	12,000	9	260	18,000,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Pyrene	mg/kg	- -	- -	480	2,900,000	1,000,000	780,000	- -	0.33 U	0.33 U	0.5	0.33 U
PCB												
Aroclor-1016 (PCB-1016)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1221 (PCB-1221)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1232 (PCB-1232)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1242 (PCB-1242)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1248 (PCB-1248)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1254 (PCB-1254)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Aroclor-1260 (PCB-1260)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Inorganic												
Antimony	mg/kg	- -	94	4.3	5,900	- -	- -	- -	0.5 U	0.5 U	0.5 U	0.5 U
Arsenic	mg/kg	- -	4.6	4.6	910	- -	- -	5.8	3.65	1.78	1.01	0.81
Barium	mg/kg	- -	850	1,300	150,000	- -	- -	75	16.2	11.5	5.53	6.21
Beryllium	mg/kg	- -	400	51	590	- -	- -	- -	0.23	0.2 U	0.2 U	0.2 U
Cadmium	mg/kg	- -	5.8	6	2,200	- -	- -	1.2	0.2 U	0.2 U	0.36	0.2 U
Chromium	mg/kg	- -	3.3	1,000,000	150,000	- -	- -	18	5.47	2.96	2.89	1.22
Cobalt	mg/kg	- -	2	2	5,900	- -	- -	6.8	3.74	1.59	1.08	1.03
Copper	mg/kg	- -	130	5,800	59,000	- -	- -	32	8.12	5.12	1.62	1.32
Cyanide (total)	mg/kg	- -	0.1	4	250	- -	- -	0.39	0.11 U	0.1 U	0.14	0.11 U
Iron	mg/kg	- -	- -	6	- -	- -	- -	12,000	NA	NA	NA	NA
Lead	mg/kg	- -	8,300	700	44,000	- -	- -	21	4.6	3.21	2.27	2.4
Manganese	mg/kg	- -	98	1	1,500	- -	- -	440	234	167	135	130
Mercury	mg/kg	- -	0.05	1.7	8,800	89	62	0.13	0.05 U	0.05 U	0.05 U	0.05 U
Nickel	mg/kg	- -	120	100	16,000	- -	- -	20	10.5	4.83	3.14	2.36
Selenium	mg/kg	- -	0.4	4	59,000	- -	- -	0.41	0.4 U	0.4 U	0.4 U	0.4 U
Silver	mg/kg	- -	0.1	13	2,900	- -	- -	1	0.2 U	0.2 U	0.2 U	0.2 U
Thallium	mg/kg	- -	4.2	2.3	5,900	- -	- -	- -	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	mg/kg	- -	430	990	- -	- -	- -	- -	9.26	3.39	1.83	1.85
Zinc	mg/kg	- -	280	5,000	- -	- -	- -	47	15.1	9.02	89.5	3.05
Miscellaneous												
Total solids	mg/kg	- -	- -	- -	- -	- -	- -	- -	900,000	950,000	870,000	890,000

Notes:
Bold and Shaded = Value exceeds one or more Michigan Department of Environmental Quality (MDEQ) Criteria.
mg/kg = Micrograms per kilogram
NA = Not analyzed.
J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.
U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
[ ] = Duplicate sample.
PCB = Polyhlorinated biphenol.
GSIP - Groundwater/surface water protection criteria
NDWP- Nonresidential drinking water protection criteria
CSAT - soil saturation concentration screening levels
NPSIC - Nonresidential particualte Soil Inhalation Criteria
NSVIA - Nonresidential soil volitilization to indoor air criteria
NVSICI - Nonresidential infinite source volatile soil inhalation criteria

Table 1.
2017 Southend Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDWP (2013)	NPSIC (2013)	NSVIA (2013)	NVSICI (2013)	SDBL (2013)	SB-BD01-4 13 - 15 02/16/17	SB-BD01-5 9 - 11 02/14/17	SB-BD01-6 8 - 10 02/14/17	SB-BD01-7 8 - 10 02/14/17
Volatile Organics												
1,1,1,2-Tetrachloroethane	mg/kg	440	- -	6.4	530,000	33	120	- -	0.1 U	0.1 U	0.1 U	0.1 U
1,1,1-Trichloroethane	mg/kg	460	1.8	4	29,000,000	460	4,500	- -	0.05 U	0.06 U	0.06 U	0.06 U
1,1,2,2-Tetrachloroethane	mg/kg	870	1.6	0.7	68,000	23	34	- -	0.05 U	0.06 U	0.06 U	0.06 U
1,1,2-Trichloroethane	mg/kg	920	6.6	0.1	250,000	24	57	- -	0.05 U	0.06 U	0.06 U	0.06 U
1,1-Dichloroethane	mg/kg	890	15	50	15,000,000	430	2,500	- -	0.05 U	0.06 U	0.06 U	0.06 U
1,1-Dichloroethene	mg/kg	570	2.6	0.14	78,000	0.33	3.7	- -	0.05 U	0.06 U	0.06 U	0.06 U
1,2,3-Trichlorobenzene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.34 U	0.41 U	0.42 U	0.38 U
1,2,3-Trichloropropane	mg/kg	830	- -	2.4	8,800	7.5	11	- -	0.1 U	0.1 U	0.1 U	0.1 U
1,2,3-Trimethylbenzene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.05 U	0.06 U	0.06 U	0.06 U
1,2,4-Trichlorobenzene	mg/kg	1,100	5.9	4.2	11,000,000	18,000	34,000	- -	0.34 U	0.41 U	0.42 U	0.38 U
1,2,4-Trimethylbenzene	mg/kg	110	0.57	2.1	36,000,000	8,000	25,000	- -	0.05 U	0.06 U	0.06 U	0.06 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	1.2	- -	0.01	700	1.2	0.9	- -	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dibromoethane (Ethylene dibromide)	mg/kg	890	0.11	0.02	18,000	3.6	5.8	- -	0.02 UM	0.02 UM	0.03 UM	0.02 UM
1,2-Dichlorobenzene	mg/kg	210	0.28	14	44,000,000	20,000	46,000	- -	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloroethane	mg/kg	1,200	7.2	0.1	150,000	11	21	- -	0.05 U	0.06 U	0.06 U	0.06 U
1,2-Dichloropropane	mg/kg	550	4.6	0.1	120,000	7.4	30	- -	0.05 U	0.06 U	0.06 U	0.06 U
1,3,5-Trimethylbenzene	mg/kg	94	1.1	1.8	36,000,000	4,800	19,000	- -	0.05 U	0.06 U	0.06 U	0.06 U
1,3-Dichlorobenzene	mg/kg	170	0.68	0.48	88,000	48	94	- -	0.1 U	0.1 U	0.1 U	0.1 U
1,4-Dichlorobenzene	mg/kg	- -	0.36	1.7	570,000	100	260	- -	0.1 U	0.1 U	0.1 U	0.1 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	27,000	44	760	29,000,000	99,000	35,000	- -	0.78 U	0.92 U	0.96 U	0.86 U
2-Hexanone	mg/kg	2,500	- -	58	1,200,000	1,800	1,300	- -	3 U	3 U	3 U	3 U
2-Methylnaphthalene	mg/kg	- -	4.2	170	290,000	4,900	1,800	- -	0.1 U	0.1 U	0.1 U	0.1 U
2-Phenylbutane (sec-Butylbenzene)	mg/kg	10,000	- -	4.6	180,000	- -	- -	- -	0.05 U	0.06 U	0.06 U	0.06 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	- -	- -	- -	- -	- -	- -	- -	3 U	3 U	3 U	3 U
Acetone	mg/kg	110,000	34	42	170,000,000	540,000	160,000	- -	1 U	1 U	1 U	1 U
Acrylonitrile	mg/kg	8,300	0.1	0.22	58,000	35	17	- -	0.1 U	0.1 U	0.1 U	0.1 U
Benzene	mg/kg	400	4	0.1	470,000	8.4	45	- -	0.05 U	0.06 U	0.06 U	0.06 U
Bromobenzene	mg/kg	760	- -	1.5	240,000	580	540	- -	0.1 U	0.1 U	0.1 U	0.1 U
Bromodichloromethane	mg/kg	1,500	- -	1.6	110,000	6.4	31	- -	0.1 U	0.1 U	0.1 U	0.1 U
Bromoform	mg/kg	870	- -	1.6	3,600,000	770	3,100	- -	0.1 U	0.1 U	0.1 U	0.1 U
Bromomethane (Methyl bromide)	mg/kg	2,200	0.7	0.58	150,000	1.6	13	- -	0.2 U	0.2 U	0.3 U	0.2 U
Carbon disulfide	mg/kg	280	- -	46	21,000,000	140	1,600	- -	0.3 U	0.3 U	0.3 U	0.3 U
Carbon tetrachloride	mg/kg	390	0.9	0.1	170,000	0.99	12	- -	0.05 U	0.06 U	0.06 U	0.06 U
Chlorobenzene	mg/kg	260	0.5	2	2,100,000	220	920	- -	0.05 U	0.06 U	0.06 U	0.06 U
Chlorobromomethane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.1 U	0.1 U	0.1 U	0.1 U
Chloroethane	mg/kg	950	22	34	290,000,000	5,300	36,000	- -	0.3 U	0.3 U	0.3 U	0.3 U
Chloroform (Trichloromethane)	mg/kg	1,500	7	1.6	1,600,000	38	150	- -	0.05 U	0.06 U	0.06 U	0.06 U
Chloromethane (Methyl chloride)	mg/kg	1,100	- -	22	2,600,000	10	120	- -	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,2-Dichloroethene	mg/kg	640	12	1.4	1,000,000	41	210	- -	0.05 U	0.06 U	0.06 U	0.06 U
cis-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.05 U	0.06 U	0.06 U	0.06 U
Cymene (p-Isopropyltoluene)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.1 U	0.1 U	0.1 U	0.1 U
Dibromochloromethane	mg/kg	610	- -	1.6	160,000	21	80	- -	0.1 U	0.1 U	0.1 U	0.1 U
Dibromomethane	mg/kg	2,000	- -	4.6	- -	- -	- -	- -	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	mg/kg	1,000	- -	270	1,500,000,000	1,700	63,000	- -	0.3 U	0.3 U	0.3 U	0.3 U
Ethyl ether	mg/kg	7,400	- -	0.2	350,000,000	52,000	100,000	- -	0.2 U	0.2 U	0.3 U	0.2 U
Ethylbenzene	mg/kg	140	0.36	1.5	13,000,000	460	2,400	- -	0.05 U	0.06 U	0.06 U	0.06 U
Hexachloroethane	mg/kg	- -	1.8	1.2	100,000	79	660	- -	0.3 U	0.4 U	0.4 U	0.3 U
Iodomethane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.1 U	0.1 U	0.1 U	0.1 U
Isopropyl benzene	mg/kg	390	3.2	260	2,600,000	730	2,000	- -	0.3 U	0.3 U	0.3 U	0.3 U
m&p-Xylene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.1 U	0.1 U	0.1 U	0.1 U
Methyl tert butyl ether (MTBE)	mg/kg	5,900	140	0.8	88,000,000	18,000	30,000	- -	0.2 U	0.2 U	0.3 U	0.2 U
Methylene chloride	mg/kg	2,300	30	0.1	8,300,000	240	700	- -	0.1 U	0.1 U	0.1 U	0.1 U
Naphthalene	mg/kg	- -	0.73	100	88,000	470	350	- -	0.3 U	0.3 U	0.3 U	0.3 U
N-Butylbenzene	mg/kg	10,000	- -	4.6	880,000	- -	- -	- -	0.05 U	0.06 U	0.06 U	0.06 U
N-Propylbenzene	mg/kg	10,000	- -	4.6	590,000	- -	- -	- -	0.05 U	0.06 U	0.06 U	0.06 U
o-Xylene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.05 U	0.06 U	0.06 U	0.06 U
Styrene	mg/kg	520	2.1	2.7	6,900,000	1,300	3,300	- -	0.05 U	0.06 U	0.06 U	0.06 U
tert-Butylbenzene	mg/kg	10,000	- -	4.6	290,000	- -	- -	- -	0.05 U	0.06 U	0.06 U	0.06 U
Tetrachloroethene	mg/kg	88	1.2	0.1	1,200,000	21	210	- -	0.05 U	0.06 U	0.06 U	0.06 U

Table 1.
2017 Southend Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDWP (2013)	NPSIC (2013)	NSVIA (2013)	NVSICI (2013)	SDBL (2013)	SB-BD01-4 13 - 15 02/16/17	SB-BD01-5 9 - 11 02/14/17	SB-BD01-6 8 - 10 02/14/17	SB-BD01-7 8 - 10 02/14/17
Tetrahydrofuran	mg/kg	120,000	220	5.4	170,000,000	2,400	15,000	- -	1 U	1 U	1 U	1 U
Toluene	mg/kg	250	5.4	16	12,000,000	610	3,300	- -	0.05 U	0.06 U	0.06 U	0.06 U
trans-1,2-Dichloroethene	mg/kg	1,400	30	2	2,100,000	43	330	- -	0.05 U	0.06 U	0.06 U	0.06 U
trans-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.05 U	0.06 U	0.06 U	0.06 U
trans-1,4-Dichloro-2-butene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.05 U	0.06 U	0.06 U	0.06 U
Trichloroethene	mg/kg	500	4	0.1	59,000	1.9	14	- -	0.05 U	0.06 U	0.06 U	0.06 U
Trichlorofluoromethane (CFC-11)	mg/kg	560	- -	150	1,700,000,000	5,100	110,000	- -	0.1 U	0.1 U	0.1 U	0.1 U
Vinyl chloride	mg/kg	490	0.26	0.04	890,000	2.8	29	- -	0.05 U	0.06 U	0.06 U	0.06 U
SVOC												
1,2,4-Trichlorobenzene	mg/kg	1,100	5.9	4.2	11,000,000	18,000	34,000	- -	0.33 U	0.33 U	0.33 U	0.33 U
1,2-Dichlorobenzene	mg/kg	210	0.28	14	44,000,000	20,000	46,000	- -	0.33 U	0.33 U	0.33 U	0.33 U
1,2-Diphenylhydrazine	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
1,3-Dichlorobenzene	mg/kg	170	0.68	0.48	88,000	48	94	- -	0.33 U	0.33 U	0.33 U	0.33 U
1,4-Dichlorobenzene	mg/kg	- -	0.36	1.7	570,000	100	260	- -	0.33 U	0.33 U	0.33 U	0.33 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
2,4,5-Trichlorophenol	mg/kg	- -	- -	110	10,000,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
2,4,6-Trichlorophenol	mg/kg	- -	0.33	9.4	1,300,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
2,4-Dichlorophenol	mg/kg	1,800	0.33	4.2	2,300,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
2,4-Dimethylphenol	mg/kg	- -	7.6	20	2,100,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
2,4-Dinitrophenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.83 U	0.83 U	0.83 U	0.83 U
2,4-Dinitrotoluene	mg/kg	- -	- -	0.64	20,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
2,6-Dinitrotoluene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
2-Chloronaphthalene	mg/kg	- -	- -	1,800	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
2-Chlorophenol	mg/kg	19,000	0.36	2.6	530,000	800	1,100	- -	0.33 U	0.33 U	0.33 U	0.33 U
2-Methylnaphthalene	mg/kg	- -	4.2	170	290,000	4,900	1,800	- -	0.33 U	0.33 U	0.33 U	0.33 U
2-Methylphenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
2-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.83 U	0.83 U	0.83 U	0.83 U
2-Nitrophenol	mg/kg	- -	- -	1.2	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
3&4-Methylphenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
3,3'-Dichlorobenzidine	mg/kg	- -	2	2	8,200	- -	- -	- -	2 U	2 U	2 U	2 U
3-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.83 U	0.83 U	0.83 U	0.83 U
4,6-Dinitro-2-methylphenol	mg/kg	- -	- -	0.83	59,000	- -	- -	- -	0.83 U	0.83 U	0.83 U	0.83 U
4-Bromophenyl phenyl ether	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
4-Chloro-3-methylphenol	mg/kg	- -	0.28	16	- -	- -	- -	- -	0.28 U	0.28 U	0.28 U	0.28 U
4-Chloroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
4-Chlorophenyl phenyl ether	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
4-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.83 U	0.83 U	0.83 U	0.83 U
4-Nitrophenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.83 U	0.83 U	0.83 U	0.83 U
Acenaphthene	mg/kg	- -	8.7	880	6,200,000	350,000	97,000	- -	0.33 U	0.33 U	0.33 U	0.33 U
Acenaphthylene	mg/kg	- -	- -	17	1,000,000	3,000	2,700	- -	0.33 U	0.33 U	0.33 U	0.33 U
Anthracene	mg/kg	- -	- -	41	29,000,000	1,000,000	1,600,000	- -	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(a)anthracene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(a)pyrene	mg/kg	- -	- -	- -	1,900	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(b)fluoranthene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(g,h,i)perylene	mg/kg	- -	- -	- -	350,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(k)fluoranthene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
bis(2-Chloroethoxy)methane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
bis(2-Chloroethyl)ether	mg/kg	2,200	0.1	0.17	12,000	44	13	- -	0.33 U	0.33 U	0.33 U	0.33 U
bis(2-Ethylhexyl)phthalate (DEHP)	mg/kg	10,000	- -	- -	890,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Butyl benzylphthalate (BBP)	mg/kg	310	120	5,000	21,000,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Chrysene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Dibenz(a,h)anthracene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Dibenzofuran	mg/kg	- -	1.7	- -	2,900	3,600	160	- -	0.33 U	0.33 U	0.33 U	0.33 U
Diethyl phthalate	mg/kg	740	2.2	320	1,500,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Dimethyl phthalate	mg/kg	790	- -	4,200	1,500,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Di-n-butylphthalate (DBP)	mg/kg	760	11	2,700	1,500,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Di-n-octyl phthalate (DnOP)	mg/kg	140,000	- -	290,000	14,000,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Fluoranthene	mg/kg	- -	5.5	730	4,100,000	1,000,000	890,000	- -	0.33 U	0.33 U	0.33 U	0.33 U
Fluorene	mg/kg	- -	5.3	890	4,100,000	1,000,000	150,000	- -	0.33 U	0.33 U	0.33 U	0.33 U
Hexachlorobenzene	mg/kg	- -	0.35	1.8	8,500	220	56	- -	0.33 U	0.33 U	0.33 U	0.33 U

Table 1.
2017 Southend Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDWP (2013)	NPSIC (2013)	NSVIA (2013)	NVSICI (2013)	SDBL (2013)	SB-BD01-4 13 - 15 02/16/17	SB-BD01-5 9 - 11 02/14/17	SB-BD01-6 8 - 10 02/14/17	SB-BD01-7 8 - 10 02/14/17
Hexachlorobutadiene	mg/kg	350	0.091	72	180,000	710	460	- -	0.33 U	0.33 U	0.33 U	0.33 U
Hexachlorocyclopentadiene	mg/kg	720	- -	320	5,900	56	60	- -	0.33 U	0.33 U	0.33 U	0.33 U
Hexachloroethane	mg/kg	- -	1.8	1.2	100,000	79	660	- -	0.33 U	0.33 U	0.33 U	0.33 U
Indeno(1,2,3-cd)pyrene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Isophorone	mg/kg	2,400	26	62	8,200,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Naphthalene	mg/kg	- -	0.73	100	88,000	470	350	- -	0.33 U	0.33 U	0.33 U	0.33 U
Nitrobenzene	mg/kg	490	3.6	0.33	21,000	170	64	- -	0.33 U	0.33 U	0.33 U	0.33 U
N-Nitrosodi-n-propylamine	mg/kg	1,500	- -	0.33	2,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
N-Nitrosodiphenylamine	mg/kg	- -	- -	22	2,800,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Pentachlorophenol	mg/kg	- -	27	0.022	130,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Phenanthrene	mg/kg	- -	2.1	160	2,900	5,100	190	- -	0.33 U	0.33 U	0.33 U	0.33 U
Phenol	mg/kg	12,000	9	260	18,000,000	- -	- -	- -	0.33 U	0.33 U	0.33 U	0.33 U
Pyrene	mg/kg	- -	- -	480	2,900,000	1,000,000	780,000	- -	0.33 U	0.33 U	0.33 U	0.33 U
PCB												
Aroclor-1016 (PCB-1016)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	NA
Aroclor-1221 (PCB-1221)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	NA
Aroclor-1232 (PCB-1232)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	NA
Aroclor-1242 (PCB-1242)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	NA
Aroclor-1248 (PCB-1248)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	NA
Aroclor-1254 (PCB-1254)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	NA
Aroclor-1260 (PCB-1260)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U	0.33 U	NA
Inorganic												
Antimony	mg/kg	- -	94	4.3	5,900	- -	- -	- -	0.5 U	0.5 U	0.5 U	0.5 U
Arsenic	mg/kg	- -	4.6	4.6	910	- -	- -	5.8	0.68	1.32	2.88	5.69
Barium	mg/kg	- -	850	1,300	150,000	- -	- -	75	8.11	5.13	20.3	23.8
Beryllium	mg/kg	- -	400	51	590	- -	- -	- -	0.2 U	0.2 U	0.26	0.27
Cadmium	mg/kg	- -	5.8	6	2,200	- -	- -	1.2	0.2 U	0.2 U	0.2 U	0.2 U
Chromium	mg/kg	- -	3.3	1,000,000	150,000	- -	- -	18	2.12	1.45	4.47	3.11
Cobalt	mg/kg	- -	2	2	5,900	- -	- -	6.8	0.96	2.11	3.37	4.55
Copper	mg/kg	- -	130	5,800	59,000	- -	- -	32	1.28	2.95	8.73	7.06
Cyanide (total)	mg/kg	- -	0.1	4	250	- -	- -	0.39	0.1 U	0.11 U	0.12 U	0.11 U
Iron	mg/kg	- -	- -	6	- -	- -	- -	12,000	NA	NA	NA	NA
Lead	mg/kg	- -	8,300	700	44,000	- -	- -	21	1.62	1.98	6.14	5.45
Manganese	mg/kg	- -	98	1	1,500	- -	- -	440	122	156	209	222
Mercury	mg/kg	- -	0.05	1.7	8,800	89	62	0.13	0.05 U	0.05 U	0.05 U	0.05 U
Nickel	mg/kg	- -	120	100	16,000	- -	- -	20	2.6	4.83	7.68	10.1
Selenium	mg/kg	- -	0.4	4	59,000	- -	- -	0.41	0.4 U	0.4 U	0.4 U	0.4 U
Silver	mg/kg	- -	0.1	13	2,900	- -	- -	1	0.2 U	0.2 U	0.2 U	0.2 U
Thallium	mg/kg	- -	4.2	2.3	5,900	- -	- -	- -	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	mg/kg	- -	430	990	- -	- -	- -	- -	1.58	2.5	8.04	5.9
Zinc	mg/kg	- -	280	5,000	- -	- -	- -	47	3.48	8.38	15.8	19
Miscellaneous												
Total solids	mg/kg	- -	- -	- -	- -	- -	- -	- -	960,000	870,000	850,000	900,000

Notes:
Bold and Shaded = Value exceeds one or more Michigan Department of Environmental Quality (MDEQ) Criteria.
mg/kg = Micrograms per kilogram
NA = Not analyzed.
J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.
U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
[ ] = Duplicate sample.
PCB = Polyhlorinated biphenol.
GSIP - Groundwater/surface water protection criteria
NDWP- Nonresidential drinking water protection criteria
CSAT - soil saturation concentration screening levels
NPSIC - Nonresidential particualte Soil Inhalation Criteria
NSVIA - Nonresidential soil volitilization to indoor air criteria
NVSICI - Nonresidential infinite source volatile soil inhalation criteria

Table 1.
2017 Southend Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDWP (2013)	NPSIC (2013)	NSVIA (2013)	NVSICI (2013)	SDBL (2013)	SB-BD01-8 4 - 6 02/15/17	SB-BD01-9 6 - 8 02/15/17
Volatile Organics										
1,1,1,2-Tetrachloroethane	mg/kg	440	- -	6.4	530,000	33	120	- -	0.1 U	0.1 U
1,1,1-Trichloroethane	mg/kg	460	1.8	4	29,000,000	460	4,500	- -	0.06 U	0.07 U
1,1,2,2-Tetrachloroethane	mg/kg	870	1.6	0.7	68,000	23	34	- -	0.06 U	0.07 U
1,1,2-Trichloroethane	mg/kg	920	6.6	0.1	250,000	24	57	- -	0.06 U	0.07 U
1,1-Dichloroethane	mg/kg	890	15	50	15,000,000	430	2,500	- -	0.06 U	0.07 U
1,1-Dichloroethene	mg/kg	570	2.6	0.14	78,000	0.33	3.7	- -	0.06 U	0.07 U
1,2,3-Trichlorobenzene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.42 U	0.45 U
1,2,3-Trichloropropane	mg/kg	830	- -	2.4	8,800	7.5	11	- -	0.1 U	0.1 U
1,2,3-Trimethylbenzene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.06 U	0.07 U
1,2,4-Trichlorobenzene	mg/kg	1,100	5.9	4.2	11,000,000	18,000	34,000	- -	0.42 U	0.45 U
1,2,4-Trimethylbenzene	mg/kg	110	0.57	2.1	36,000,000	8,000	25,000	- -	0.06 U	0.07 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	1.2	- -	0.01	700	1.2	0.9	- -	0.3 U	0.3 U
1,2-Dibromoethane (Ethylene dibromide)	mg/kg	890	0.11	0.02	18,000	3.6	5.8	- -	0.03 UM	0.03 UM
1,2-Dichlorobenzene	mg/kg	210	0.28	14	44,000,000	20,000	46,000	- -	0.1 U	0.1 U
1,2-Dichloroethane	mg/kg	1,200	7.2	0.1	150,000	11	21	- -	0.06 U	0.07 U
1,2-Dichloropropane	mg/kg	550	4.6	0.1	120,000	7.4	30	- -	0.06 U	0.07 U
1,3,5-Trimethylbenzene	mg/kg	94	1.1	1.8	36,000,000	4,800	19,000	- -	0.06 U	0.07 U
1,3-Dichlorobenzene	mg/kg	170	0.68	0.48	88,000	48	94	- -	0.1 U	0.1 U
1,4-Dichlorobenzene	mg/kg	- -	0.36	1.7	570,000	100	260	- -	0.1 U	0.1 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	27,000	44	760	29,000,000	99,000	35,000	- -	0.95 U	1 U
2-Hexanone	mg/kg	2,500	- -	58	1,200,000	1,800	1,300	- -	3 U	3 U
2-Methylnaphthalene	mg/kg	- -	4.2	170	290,000	4,900	1,800	- -	0.1 U	0.1 U
2-Phenylbutane (sec-Butylbenzene)	mg/kg	10,000	- -	4.6	180,000	- -	- -	- -	0.06 U	0.07 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	- -	- -	- -	- -	- -	- -	- -	3 U	3 U
Acetone	mg/kg	110,000	34	42	170,000,000	540,000	160,000	- -	1 U	1 U
Acrylonitrile	mg/kg	8,300	0.1	0.22	58,000	35	17	- -	0.1 U	0.1 U
Benzene	mg/kg	400	4	0.1	470,000	8.4	45	- -	0.06 U	0.07 U
Bromobenzene	mg/kg	760	- -	1.5	240,000	580	540	- -	0.1 U	0.1 U
Bromodichloromethane	mg/kg	1,500	- -	1.6	110,000	6.4	31	- -	0.1 U	0.1 U
Bromoform	mg/kg	870	- -	1.6	3,600,000	770	3,100	- -	0.1 U	0.1 U
Bromomethane (Methyl bromide)	mg/kg	2,200	0.7	0.58	150,000	1.6	13	- -	0.3 U	0.3 U
Carbon disulfide	mg/kg	280	- -	46	21,000,000	140	1,600	- -	0.3 U	0.3 U
Carbon tetrachloride	mg/kg	390	0.9	0.1	170,000	0.99	12	- -	0.06 U	0.07 U
Chlorobenzene	mg/kg	260	0.5	2	2,100,000	220	920	- -	0.06 U	0.07 U
Chlorobromomethane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.1 U	0.1 U
Chloroethane	mg/kg	950	22	34	290,000,000	5,300	36,000	- -	0.3 U	0.3 U
Chloroform (Trichloromethane)	mg/kg	1,500	7	1.6	1,600,000	38	150	- -	0.06 U	0.07 U
Chloromethane (Methyl chloride)	mg/kg	1,100	- -	22	2,600,000	10	120	- -	0.3 U	0.3 U
cis-1,2-Dichloroethene	mg/kg	640	12	1.4	1,000,000	41	210	- -	0.06 U	0.07 U
cis-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.06 U	0.07 U
Cymene (p-Isopropyltoluene)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.1 U	0.1 U
Dibromochloromethane	mg/kg	610	- -	1.6	160,000	21	80	- -	0.1 U	0.1 U
Dibromomethane	mg/kg	2,000	- -	4.6	- -	- -	- -	- -	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	mg/kg	1,000	- -	270	1,500,000,000	1,700	63,000	- -	0.3 U	0.3 U
Ethyl ether	mg/kg	7,400	- -	0.2	350,000,000	52,000	100,000	- -	0.3 U	0.3 U
Ethylbenzene	mg/kg	140	0.36	1.5	13,000,000	460	2,400	- -	0.06 U	0.07 U
Hexachloroethane	mg/kg	- -	1.8	1.2	100,000	79	660	- -	0.4 U	0.4 U
Iodomethane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.1 U	0.1 U
Isopropyl benzene	mg/kg	390	3.2	260	2,600,000	730	2,000	- -	0.3 U	0.3 U
m&p-Xylene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.1 U	0.1 U
Methyl tert butyl ether (MTBE)	mg/kg	5,900	140	0.8	88,000,000	18,000	30,000	- -	0.3 U	0.3 U
Methylene chloride	mg/kg	2,300	30	0.1	8,300,000	240	700	- -	0.1 U	0.1 U
Naphthalene	mg/kg	- -	0.73	100	88,000	470	350	- -	0.3 U	0.3 U
N-Butylbenzene	mg/kg	10,000	- -	4.6	880,000	- -	- -	- -	0.06 U	0.07 U
N-Propylbenzene	mg/kg	10,000	- -	4.6	590,000	- -	- -	- -	0.06 U	0.07 U
o-Xylene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.06 U	0.07 U
Styrene	mg/kg	520	2.1	2.7	6,900,000	1,300	3,300	- -	0.06 U	0.07 U
tert-Butylbenzene	mg/kg	10,000	- -	4.6	290,000	- -	- -	- -	0.06 U	0.07 U
Tetrachloroethene	mg/kg	88	1.2	0.1	1,200,000	21	210	- -	0.06 U	0.07 U

Table 1.
2017 Southend Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDWP (2013)	NPSIC (2013)	NSVIA (2013)	NVSICI (2013)	SDBL (2013)	SB-BD01-8 4 - 6 02/15/17	SB-BD01-9 6 - 8 02/15/17
Tetrahydrofuran	mg/kg	120,000	220	5.4	170,000,000	2,400	15,000	- -	1 U	1 U
Toluene	mg/kg	250	5.4	16	12,000,000	610	3,300	- -	0.06 U	0.07 U
trans-1,2-Dichloroethene	mg/kg	1,400	30	2	2,100,000	43	330	- -	0.06 U	0.07 U
trans-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.06 U	0.07 U
trans-1,4-Dichloro-2-butene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.06 U	0.07 U
Trichloroethene	mg/kg	500	4	0.1	59,000	1.9	14	- -	0.06 U	0.07 U
Trichlorofluoromethane (CFC-11)	mg/kg	560	- -	150	1,700,000,000	5,100	110,000	- -	0.1 U	0.1 U
Vinyl chloride	mg/kg	490	0.26	0.04	890,000	2.8	29	- -	0.06 U	0.07 U
SVOC										
1,2,4-Trichlorobenzene	mg/kg	1,100	5.9	4.2	11,000,000	18,000	34,000	- -	0.33 U	0.33 U
1,2-Dichlorobenzene	mg/kg	210	0.28	14	44,000,000	20,000	46,000	- -	0.33 U	0.33 U
1,2-Diphenylhydrazine	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U
1,3-Dichlorobenzene	mg/kg	170	0.68	0.48	88,000	48	94	- -	0.33 U	0.33 U
1,4-Dichlorobenzene	mg/kg	- -	0.36	1.7	570,000	100	260	- -	0.33 U	0.33 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U
2,4,5-Trichlorophenol	mg/kg	- -	- -	110	10,000,000	- -	- -	- -	0.33 U	0.33 U
2,4,6-Trichlorophenol	mg/kg	- -	0.33	9.4	1,300,000	- -	- -	- -	0.33 U	0.33 U
2,4-Dichlorophenol	mg/kg	1,800	0.33	4.2	2,300,000	- -	- -	- -	0.33 U	0.33 U
2,4-Dimethylphenol	mg/kg	- -	7.6	20	2,100,000	- -	- -	- -	0.33 U	0.33 U
2,4-Dinitrophenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.83 U	0.83 U
2,4-Dinitrotoluene	mg/kg	- -	- -	0.64	20,000	- -	- -	- -	0.33 U	0.33 U
2,6-Dinitrotoluene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U
2-Chloronaphthalene	mg/kg	- -	- -	1,800	- -	- -	- -	- -	0.33 U	0.33 U
2-Chlorophenol	mg/kg	19,000	0.36	2.6	530,000	800	1,100	- -	0.33 U	0.33 U
2-Methylnaphthalene	mg/kg	- -	4.2	170	290,000	4,900	1,800	- -	0.33 U	0.33 U
2-Methylphenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U
2-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.83 U	0.83 U
2-Nitrophenol	mg/kg	- -	- -	1.2	- -	- -	- -	- -	0.33 U	0.33 U
3&4-Methylphenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U
3,3'-Dichlorobenzidine	mg/kg	- -	2	2	8,200	- -	- -	- -	2 U	2 U
3-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.83 U	0.83 U
4,6-Dinitro-2-methylphenol	mg/kg	- -	- -	0.83	59,000	- -	- -	- -	0.83 U	0.83 U
4-Bromophenyl phenyl ether	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U
4-Chloro-3-methylphenol	mg/kg	- -	0.28	16	- -	- -	- -	- -	0.28 U	0.28 U
4-Chloroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U
4-Chlorophenyl phenyl ether	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U
4-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.83 U	0.83 U
4-Nitrophenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.83 U	0.83 U
Acenaphthene	mg/kg	- -	8.7	880	6,200,000	350,000	97,000	- -	0.33 U	0.33 U
Acenaphthylene	mg/kg	- -	- -	17	1,000,000	3,000	2,700	- -	0.33 U	0.33 U
Anthracene	mg/kg	- -	- -	41	29,000,000	1,000,000	1,600,000	- -	0.33 U	0.33 U
Benzo(a)anthracene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U
Benzo(a)pyrene	mg/kg	- -	- -	- -	1,900	- -	- -	- -	0.33 U	0.33 U
Benzo(b)fluoranthene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U
Benzo(g,h,i)perylene	mg/kg	- -	- -	- -	350,000	- -	- -	- -	0.33 U	0.33 U
Benzo(k)fluoranthene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U
bis(2-Chloroethoxy)methane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U
bis(2-Chloroethyl)ether	mg/kg	2,200	0.1	0.17	12,000	44	13	- -	0.33 U	0.33 U
bis(2-Ethylhexyl)phthalate (DEHP)	mg/kg	10,000	- -	- -	890,000	- -	- -	- -	0.33 U	0.33 U
Butyl benzylphthalate (BBP)	mg/kg	310	120	5,000	21,000,000	- -	- -	- -	0.33 U	0.33 U
Chrysene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U
Dibenz(a,h)anthracene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U
Dibenzofuran	mg/kg	- -	1.7	- -	2,900	3,600	160	- -	0.33 U	0.33 U
Diethyl phthalate	mg/kg	740	2.2	320	1,500,000	- -	- -	- -	0.33 U	0.33 U
Dimethyl phthalate	mg/kg	790	- -	4,200	1,500,000	- -	- -	- -	0.33 U	0.33 U
Di-n-butylphthalate (DBP)	mg/kg	760	11	2,700	1,500,000	- -	- -	- -	0.33 U	0.33 U
Di-n-octyl phthalate (DnOP)	mg/kg	140,000	- -	290,000	14,000,000	- -	- -	- -	0.33 U	0.33 U
Fluoranthene	mg/kg	- -	5.5	730	4,100,000	1,000,000	890,000	- -	0.33 U	0.33 U
Fluorene	mg/kg	- -	5.3	890	4,100,000	1,000,000	150,000	- -	0.33 U	0.33 U
Hexachlorobenzene	mg/kg	- -	0.35	1.8	8,500	220	56	- -	0.33 U	0.33 U

Table 1.
2017 Southend Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDWP (2013)	NPSIC (2013)	NSVIA (2013)	NVSICI (2013)	SDBL (2013)	SB-BD01-8 4 - 6 02/15/17	SB-BD01-9 6 - 8 02/15/17
Hexachlorobutadiene	mg/kg	350	0.091	72	180,000	710	460	- -	0.33 U	0.33 U
Hexachlorocyclopentadiene	mg/kg	720	- -	320	5,900	56	60	- -	0.33 U	0.33 U
Hexachloroethane	mg/kg	- -	1.8	1.2	100,000	79	660	- -	0.33 U	0.33 U
Indeno(1,2,3-cd)pyrene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	0.33 U
Isophorone	mg/kg	2,400	26	62	8,200,000	- -	- -	- -	0.33 U	0.33 U
Naphthalene	mg/kg	- -	0.73	100	88,000	470	350	- -	0.33 U	0.33 U
Nitrobenzene	mg/kg	490	3.6	0.33	21,000	170	64	- -	0.33 U	0.33 U
N-Nitrosodi-n-propylamine	mg/kg	1,500	- -	0.33	2,000	- -	- -	- -	0.33 U	0.33 U
N-Nitrosodiphenylamine	mg/kg	- -	- -	22	2,800,000	- -	- -	- -	0.33 U	0.33 U
Pentachlorophenol	mg/kg	- -	27	0.022	130,000	- -	- -	- -	0.33 U	0.33 U
Phenanthrene	mg/kg	- -	2.1	160	2,900	5,100	190	- -	0.33 U	0.33 U
Phenol	mg/kg	12,000	9	260	18,000,000	- -	- -	- -	0.33 U	0.33 U
Pyrene	mg/kg	- -	- -	480	2,900,000	1,000,000	780,000	- -	0.33 U	0.33 U
PCB										
Aroclor-1016 (PCB-1016)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	NA
Aroclor-1221 (PCB-1221)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	NA
Aroclor-1232 (PCB-1232)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	NA
Aroclor-1242 (PCB-1242)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	NA
Aroclor-1248 (PCB-1248)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	NA
Aroclor-1254 (PCB-1254)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	NA
Aroclor-1260 (PCB-1260)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.33 U	NA
Inorganic										
Antimony	mg/kg	- -	94	4.3	5,900	- -	- -	- -	0.5 U	0.5 U
Arsenic	mg/kg	- -	4.6	4.6	910	- -	- -	5.8	0.74	1.61
Barium	mg/kg	- -	850	1,300	150,000	- -	- -	75	7.46	28.3
Beryllium	mg/kg	- -	400	51	590	- -	- -	- -	0.2 U	0.21
Cadmium	mg/kg	- -	5.8	6	2,200	- -	- -	1.2	0.2 U	0.2 U
Chromium	mg/kg	- -	3.3	1,000,000	150,000	- -	- -	18	1.6	4.91
Cobalt	mg/kg	- -	2	2	5,900	- -	- -	6.8	0.77	2.8
Copper	mg/kg	- -	130	5,800	59,000	- -	- -	32	1.76	4.92
Cyanide (total)	mg/kg	- -	0.1	4	250	- -	- -	0.39	0.11	0.12 U
Iron	mg/kg	- -	- -	6	- -	- -	- -	12,000	NA	5,240
Lead	mg/kg	- -	8,300	700	44,000	- -	- -	21	4.83	6.77
Manganese	mg/kg	- -	98	1	1,500	- -	- -	440	62.1	290
Mercury	mg/kg	- -	0.05	1.7	8,800	89	62	0.13	0.05 U	0.05 U
Nickel	mg/kg	- -	120	100	16,000	- -	- -	20	0.67	6.84
Selenium	mg/kg	- -	0.4	4	59,000	- -	- -	0.41	0.4 U	0.4 U
Silver	mg/kg	- -	0.1	13	2,900	- -	- -	1	0.2 U	0.2 U
Thallium	mg/kg	- -	4.2	2.3	5,900	- -	- -	- -	0.2 U	0.2 U
Vanadium	mg/kg	- -	430	990	- -	- -	- -	- -	2.8	5.78
Zinc	mg/kg	- -	280	5,000	- -	- -	- -	47	4.03	11
Miscellaneous										
Total solids	mg/kg	- -	- -	- -	- -	- -	- -	- -	870,000	840,000

Notes:
Bold and Shaded = Value exceeds one or more Michigan Department of Environmental Quality (MDEQ) Criteria.
mg/kg = Micrograms per kilogram
NA = Not analyzed.
J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.
U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
[ ] = Duplicate sample.
PCB = Polyhlorinated biphenol.
GSIP - Groundwater/surface water protection criteria
NDWP- Nonresidential drinking water protection criteria
CSAT - soil saturation concentration screening levels
NPSIC - Nonresidential particualte Soil Inhalation Criteria
NSVIA - Nonresidential soil volitilization to indoor air criteria
NVSICI - Nonresidential infinite source volatile soil inhalation criteria

Table 2.
2017 Southend Investigation - Admin Bldg No. 1 Groundwater Data (Borehole)
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(): Date Collected:	Units	FE (2013)	GSI (2013)	NDW (2013)	NGVIA (2013)	RVISL	WS (2013)	SB-BD01-1 02/16/17	SB-BD01-2 02/16/17	SB-BD01-4 02/16/17	SB-BD01-7 02/16/17
Volatile Organics											
1,1,1,2-Tetrachloroethane	ug/L	- -	- -	320	96,000	- -	1,100,000	1 U	1 U	1 U	1 U [1 U]
1,1,1-Trichloroethane	ug/L	- -	89	200	1,300,000	- -	1,330,000	1 U	1 U	1 U	1 U [1 U]
1,1,2,2-Tetrachloroethane	ug/L	- -	78	35	77,000	- -	2,970,000	1 U	1 U	1 U	1 U [1 U]
1,1,2-Trichloroethane	ug/L	- -	330	5	110,000	- -	4,420,000	1 U	1 U	1 U	1 U [1 U]
1,1-Dichloroethane	ug/L	380,000	740	2,500	2,300,000	- -	5,060,000	1 U	1 U	1 U	1 U [1 U]
1,1-Dichloroethene	ug/L	97,000	130	7	1,300	- -	2,250,000	1 U	1 U	1 U	1 U [1 U]
1,2,3-Trichlorobenzene	ug/L	- -	- -	- -	- -	- -	- -	5 U	5 U	5 U	5 U [5 U]
1,2,3-Trichloropropane	ug/L	- -	- -	120	18,000	- -	1,900,000	1 U	1 U	1 U	1 U [1 U]
1,2,3-Trimethylbenzene	ug/L	- -	- -	- -	- -	- -	- -	1 U	1 U	1 U	1 U [1 U]
1,2,4-Trichlorobenzene	ug/L	- -	99	70	300,000	- -	300,000	5 U	5 U	5 U	5 U [5 U]
1,2,4-Trimethylbenzene	ug/L	56,000	17	63	56,000	- -	55,890	1 U	1 U	1 U	1 U [1 U]
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	- -	- -	0.2	1,200	- -	1,230	5 U	5 U	5 U	5 U [5 U]
1,2-Dibromoethane (Ethylene dibromide)	ug/L	- -	5.7	0.05	15,000	- -	4,200,000	1 U	1 U	1 U	1 U [1 U]
1,2-Dichlorobenzene	ug/L	- -	13	600	160,000	- -	156,000	1 U	1 U	1 U	1 U [1 U]
1,2-Dichloroethane	ug/L	2,500,000	360	5	59,000	- -	8,520,000	1 U	1 U	1 U	1 U [1 U]
1,2-Dichloropropane	ug/L	550,000	230	5	36,000	- -	2,800,000	1 U	1 U	1 U	1 U [1 U]
1,3,5-Trimethylbenzene	ug/L	- -	45	72	61,000	- -	61,150	1 U	1 U	1 U	1 U [1 U]
1,3-Dichlorobenzene	ug/L	- -	28	19	41,000	- -	111,000	1 U	1 U	1 U	1 U [1 U]
1,4-Dichlorobenzene	ug/L	- -	17	75	74,000	- -	73,800	1 U	1 U	1 U	1 U [1 U]
1,4-Dioxane	ug/L	140,000,000	2,800	350	- -	29	900,000,000	3 U	3 U	3 U	3 U [3 U]
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	- -	2,200	38,000	240,000,000	- -	240,000,000	25 U	25 U	25 U	25 U [25 U]
2-Hexanone	ug/L	- -	- -	2,900	8,700,000	- -	16,000,000	50 U	50 U	50 U	50 U [50 U]
2-Methylnaphthalene	ug/L	- -	19	750	25,000	- -	24,600	5 U	5 U	5 U	5 U [5 U]
2-Phenylbutane (sec-Butylbenzene)	ug/L	- -	- -	230	- -	- -	- -	1 U	1 U	1 U	1 U [1 U]
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	- -	- -	5,200	20,000,000	- -	20,000,000	50 U	50 U	50 U	50 U [50 U]
Acetone	ug/L	15,000,000	1,700	2,100	1,000,000,000	- -	1,000,000,000	50 U	50 U	50 U	50 U [50 U]
Acrylonitrile	ug/L	6,400,000	2	11	190,000	- -	75,000,000	2 U	2 U	2 U	2 U [2 U]
Benzene	ug/L	68,000	200	5	35,000	- -	1,750,000	1 U	1 U	1 U	1 U [1 U]
Bromobenzene	ug/L	- -	- -	50	390,000	- -	413,000	1 U	1 U	1 U	1 U [1 U]
Bromodichloromethane	ug/L	- -	- -	80	37,000	- -	6,740,000	1 U	1 U	1 U	1 U [1 U]
Bromoform	ug/L	- -	- -	80	3,100,000	- -	3,100,000	1 U	1 U	1 U	1 U [1 U]
Bromomethane (Methyl bromide)	ug/L	- -	35	29	9,000	- -	14,500,000	5 U	5 U	5 U	5 U [5 U]
Carbon disulfide	ug/L	13,000	- -	2,300	550,000	- -	1,190,000	5 U	5 U	5 U	5 U [5 U]
Carbon tetrachloride	ug/L	- -	45	5	2,400	- -	793,000	1 U	1 U	1 U	1 U [1 U]
Chlorobenzene	ug/L	160,000	25	100	470,000	- -	472,000	1 U	1 U	1 U	1 U [1 U]
Chlorobromomethane	ug/L	- -	- -	- -	- -	- -	- -	1 U	1 U	1 U	1 U [1 U]
Chloroethane	ug/L	110,000	1,100	1,700	5,700,000	- -	5,740,000	5 U	5 U	5 U	5 U [5 U]
Chloroform (Trichloromethane)	ug/L	- -	350	80	180,000	- -	7,920,000	1 U	1 U	1 U	1 U [1 U]
Chloromethane (Methyl chloride)	ug/L	36,000	- -	1,100	45,000	- -	6,340,000	5 U	5 U	5 U	5 U [5 U]
cis-1,2-Dichloroethene	ug/L	530,000	620	70	210,000	- -	3,500,000	1 U	1 U	1 U	1 U [1 U]
cis-1,3-Dichloropropene	ug/L	- -	- -	- -	- -	- -	- -	1 U	1 U	1 U	1 U [1 U]
Cymene (p-Isopropyltoluene)	ug/L	- -	- -	- -	- -	- -	- -	5 U	5 U	5 U	5 U [5 U]
Dibromochloromethane	ug/L	- -	- -	80	110,000	- -	2,600,000	5 U	5 U	5 U	5 U [5 U]
Dibromomethane	ug/L	- -	- -	230	- -	- -	11,000,000	5 U	5 U	5 U	5 U [5 U]
Dichlorodifluoromethane (CFC-12)	ug/L	- -	- -	4,800	300,000	- -	300,000	5 U	5 U	5 U	5 U [5 U]
Ethyl ether	ug/L	650,000	- -	10	61,000,000	- -	61,000,000	10 U	10 U	10 U	10 U [10 U]
Ethylbenzene	ug/L	43,000	18	74	170,000	- -	169,000	1 U	1 U	1 U	1 U [1 U]
Hexachloroethane	ug/L	- -	6.7	21	50,000	- -	50,000	5 U	5 U	5 U	5 U [5 U]
Iodomethane	ug/L	- -	- -	- -	- -	- -	- -	1 U	1 U	1 U	1 U [1 U]
Isopropyl benzene	ug/L	29,000	28	2,300	56,000	- -	56,000	5 U	5 U	5 U	5 U [5 U]
m&p-Xylene	ug/L	- -	- -	- -	- -	- -	- -	2 U	2 U	2 U	2 U [2 U]
Methyl tert butyl ether (MTBE)	ug/L	- -	7,100	40	47,000,000	- -	46,800,000	5 U	5 U	5 U	5 U [5 U]
Methylene chloride	ug/L	- -	1,500	5	1,400,000	- -	17,000,000	5 U	5 U	5 U	5 U [5 U]
Naphthalene	ug/L	- -	11	1,500	31,000	- -	31,000	5 U	5 U	5 U	5 U [5 U]
N-Butylbenzene	ug/L	- -	- -	230	- -	- -	- -	1 U	1 U	1 U	1 U [1 U]
N-Propylbenzene	ug/L	- -	- -	230	- -	- -	- -	1 U	1 U	1 U	1 U [1 U]
o-Xylene	ug/L	- -	- -	- -	- -	- -	- -	1 U	1 U	1 U	1 U [1 U]
Styrene	ug/L	140,000	80	100	310,000	- -	310,000	1 U	1 U	1 U	1 U [1 U]
tert-Butylbenzene	ug/L	- -	- -	230	- -	- -	- -	1 U	1 U	1 U	1 U [1 U]
Tetrachloroethene	ug/L	- -	60	5	170,000	- -	200,000	1 U	1 U	1 U	1 U [1 U]
Tetrahydrofuran	ug/L	60,000	11,000	270	16,000,000	- -	1,000,000,000	90 U	90 U	90 U	90 U [90 U]
Toluene	ug/L	61,000	270	790	530,000	- -	526,000	1 U	1 U	1 U	1 U [1 U]
trans-1,2-Dichloroethene	ug/L	230,000	1,500	100	200,000	- -	6,300,000	1 U	1 U	1 U	1 U [1 U]
trans-1,3-Dichloropropene	ug/L	- -	- -	- -	- -	- -	- -	1 U	1 U	1 U	1 U [1 U]
trans-1,4-Dichloro-2-butene	ug/L	- -	- -	- -	- -	- -	- -	1 U	1 U	1 U	1 U [1 U]

Table 2.
2017 Southend Investigation - Admin Bldg No. 1 Groundwater Data (Borehole)
RACER Trust, Buick City Site, Flint, MI

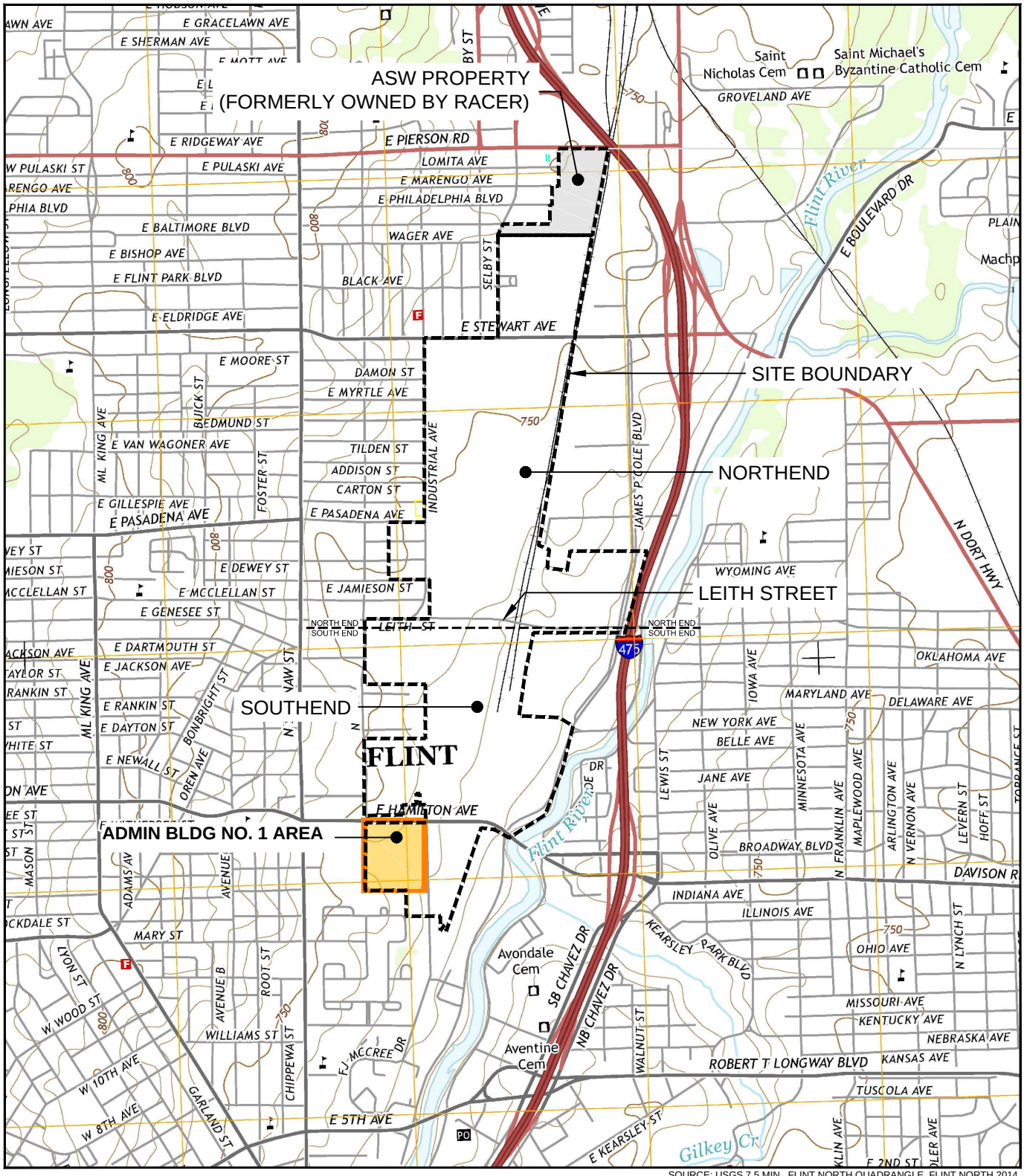
Location ID: Sample Depth(): Date Collected:	Units	FE (2013)	GSI (2013)	NDW (2013)	NGVIA (2013)	RVISL	WS (2013)	SB-BD01-1 02/16/17	SB-BD01-2 02/16/17	SB-BD01-4 02/16/17	SB-BD01-7 02/16/17
Trichloroethene	ug/L	- -	200	5	4,900	- -	1,100,000	1 U	1 U	1 U	1 U [1 U]
Trichlorofluoromethane (CFC-11)	ug/L	- -	- -	7,300	1,100,000	- -	1,100,000	1 U	5	1 U	1 U [1 U]
Vinyl chloride	ug/L	33,000	13	2	13,000	- -	2,760,000	1 U	1 U	1 U	1 U [1 U]
SVOC											
1,2,4-Trichlorobenzene	ug/L	- -	99	70	300,000	- -	300,000	5 U	5 U	5 U	5 U [5 U]
1,2-Dichlorobenzene	ug/L	- -	13	600	160,000	- -	156,000	1 U	1 U	1 U	1 U [1 U]
1,2-Diphenylhydrazine	ug/L	- -	- -	- -	- -	- -	- -	5 U	5 U	5 U	5 U [5 U]
1,3-Dichlorobenzene	ug/L	- -	28	19	41,000	- -	111,000	1 U	1 U	1 U	1 U [1 U]
1,4-Dichlorobenzene	ug/L	- -	17	75	74,000	- -	73,800	1 U	1 U	1 U	1 U [1 U]
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	- -	- -	- -	- -	- -	- -	5 U	5 U	5 U	5 U [5 U]
2,4,5-Trichlorophenol	ug/L	- -	- -	2,100	- -	- -	1,200,000	5 U	5 U	5 U	5 U [5 U]
2,4,6-Trichlorophenol	ug/L	- -	5	470	- -	- -	800,000	4 U	4 U	4 U	4 U [4 U]
2,4-Dichlorophenol	ug/L	- -	11	210	- -	- -	4,500,000	10 U	10 U	10 U	10 U [10 U]
2,4-Dimethylphenol	ug/L	- -	380	1,000	- -	- -	7,870,000	5 U	5 U	5 U	5 U [5 U]
2,4-Dinitrophenol	ug/L	- -	- -	- -	- -	- -	- -	25 U	25 U	25 U	25 U [25 U]
2,4-Dinitrotoluene	ug/L	- -	- -	32	- -	- -	270,000	5 U	5 U	5 U	5 U [5 U]
2,6-Dinitrotoluene	ug/L	- -	- -	- -	- -	- -	- -	5 U	5 U	5 U	5 U [5 U]
2-Chloronaphthalene	ug/L	- -	- -	5,200	- -	- -	6,740	5 U	5 U	5 U	5 U [5 U]
2-Chlorophenol	ug/L	- -	18	130	1,100,000	- -	22,000,000	10 U	10 U	10 U	10 U [10 U]
2-Methylnaphthalene	ug/L	- -	19	750	25,000	- -	24,600	5 U	5 U	5 U	5 U [5 U]
2-Methylphenol	ug/L	- -	- -	- -	- -	- -	- -	10 U	10 U	10 U	10 U [10 U]
2-Nitroaniline	ug/L	- -	- -	- -	- -	- -	- -	25 U	25 U	25 U	25 U [25 U]
2-Nitrophenol	ug/L	- -	- -	58	- -	- -	2,500,000	5 U	5 U	5 U	5 U [5 U]
3&4-Methylphenol	ug/L	- -	- -	- -	- -	- -	- -	20 U	20 U	20 U	20 U [20 U]
3,3'-Dichlorobenzidine	ug/L	- -	0.3	4.3	- -	- -	3,110	5 U	5 U	5 U	5 U [5 U]
3-Nitroaniline	ug/L	- -	- -	- -	- -	- -	- -	25 U	25 U	25 U	25 U [25 U]
4,6-Dinitro-2-methylphenol	ug/L	- -	- -	- -	- -	- -	- -	20 U	20 U	20 U	20 U [20 U]
4-Bromophenyl phenyl ether	ug/L	- -	- -	- -	- -	- -	- -	5 U	5 U	5 U	5 U [5 U]
4-Chloro-3-methylphenol	ug/L	- -	7.4	420	- -	- -	3,900,000	5 U	5 U	5 U	5 U [5 U]
4-Chloroaniline	ug/L	- -	- -	- -	- -	- -	- -	10 U	10 U	10 U	10 U [10 U]
4-Chlorophenyl phenyl ether	ug/L	- -	- -	- -	- -	- -	- -	5 U	5 U	5 U	5 U [5 U]
4-Nitroaniline	ug/L	- -	- -	- -	- -	- -	- -	25 U	25 U	25 U	25 U [25 U]
4-Nitrophenol	ug/L	- -	- -	- -	- -	- -	- -	25 U	25 U	25 U	25 U [25 U]
Acenaphthene	ug/L	- -	38	3,800	4,200	- -	4,240	5 U	5 U	5 U	5 U [5 U]
Acenaphthylene	ug/L	- -	- -	150	3,900	- -	3,930	5 U	5 U	5 U	5 U [5 U]
Anthracene	ug/L	- -	- -	43	43	- -	43.4	5 U	5 U	5 U	5 U [5 U]
Benzo(a)anthracene	ug/L	- -	- -	8.5	- -	- -	9.4	1 U	1 U	1 U	1 U [1 U]
Benzo(a)pyrene	ug/L	- -	- -	5	- -	- -	1.62	1 U	1 U	1 U	1 U [1 U]
Benzo(b)fluoranthene	ug/L	- -	- -	1.5	- -	- -	1.5	1 U	1 U	1 U	1 U [1 U]
Benzo(g,h,i)perylene	ug/L	- -	- -	1	- -	- -	0.26	1 U	1 U	1 U	1 U [1 U]
Benzo(k)fluoranthene	ug/L	- -	- -	1	- -	- -	0.8	1 U	1 U	1 U	1 U [1 U]
bis(2-Chloroethoxy)methane	ug/L	- -	- -	- -	- -	- -	- -	5 U	5 U	5 U	5 U [5 U]
bis(2-Chloroethyl)ether	ug/L	17,000,000	1	8.3	210,000	- -	17,200,000	5 U	5 U	5 U	5 U [5 U]
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	- -	25	6	- -	- -	340	5 U	5 U	5 U	5 U [5 U]
Butyl benzylphthalate (BBP)	ug/L	- -	67	2,700	- -	- -	2,690	5 U	5 U	5 U	5 U [5 U]
Chrysene	ug/L	- -	- -	1.6	- -	- -	1.6	1 U	1 U	1 U	1 U [1 U]
Dibenz(a,h)anthracene	ug/L	- -	- -	2	- -	- -	2.49	2 U	2 U	2 U	2 U [2 U]
Dibenzofuran	ug/L	- -	4	- -	10,000	- -	10,000	4 U	4 U	4 U	4 U [4 U]
Diethyl phthalate	ug/L	- -	110	16,000	- -	- -	1,080,000	5 U	5 U	5 U	5 U [5 U]
Dimethyl phthalate	ug/L	- -	- -	210,000	- -	- -	4,190,000	5 U	5 U	5 U	5 U [5 U]
Di-n-butylphthalate (DBP)	ug/L	- -	9.7	2,500	- -	- -	11,200	5 U	5 U	5 U	5 U [5 U]
Di-n-octyl phthalate (DnOP)	ug/L	- -	- -	380	- -	- -	3,000	5 U	5 U	5 U	5 U [5 U]
Fluoranthene	ug/L	- -	1.6	210	210	- -	206	1 U	1 U	1 U	1 U [1 U]
Fluorene	ug/L	- -	12	2,000	2,000	- -	1,980	5 U	5 U	5 U	5 U [5 U]
Hexachlorobenzene	ug/L	- -	0.2	1	3,000	- -	6,200	5 U	5 U	5 U	5 U [5 U]
Hexachlorobutadiene	ug/L	- -	0.053	42	3,200	- -	3,230	10 U	10 U	10 U	10 U [10 U]
Hexachlorocyclopentadiene	ug/L	- -	- -	50	420	- -	1,800	5 U	5 U	5 U	5 U [5 U]
Hexachloroethane	ug/L	- -	6.7	21	50,000	- -	50,000	5 U	5 U	5 U	5 U [5 U]
Indeno(1,2,3-cd)pyrene	ug/L	- -	- -	2	- -	- -	0.022	2 U	2 U	2 U	2 U [2 U]
Isophorone	ug/L	- -	1,300	3,100	- -	- -	12,000,000	5 U	5 U	5 U	5 U [5 U]
Naphthalene	ug/L	- -	11	1,500	31,000	- -	31,000	5 U	5 U	5 U	5 U [5 U]
Nitrobenzene	ug/L	- -	180	9.6	550,000	- -	2,090,000	5 U	5 U	5 U	5 U [5 U]
N-Nitrosodi-n-propylamine	ug/L	- -	- -	5	- -	- -	9,890,000	5 U	5 U	5 U	5 U [5 U]
N-Nitrosodiphenylamine	ug/L	- -	- -	1,100	- -	- -	35,100	5 U	5 U	5 U	5 U [5 U]
Pentachlorophenol	ug/L	- -	2.8	1	- -	- -	1,850,000	5 U	5 U	5 U	5 U [5 U]
Phenanthrene	ug/L	- -	2	150	1,000	- -	1,000	2 U	2 U	2 U	2 U [2 U]

Table 2.
2017 Southend Investigation - Admin Bldg No. 1 Groundwater Data (Borehole)
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(): Date Collected:	Units	FE (2013)	GSI (2013)	NDW (2013)	NGVIA (2013)	RVISL	WS (2013)	SB-BD01-1 02/16/17	SB-BD01-2 02/16/17	SB-BD01-4 02/16/17	SB-BD01-7 02/16/17
Phenol	ug/L	- -	450	13,000	- -	- -	82,800,000	5 U	5 U	5 U	5 U [5 U]
Pyrene	ug/L	- -	- -	140	140	- -	135	5 U	5 U	5 U	5 U [5 U]
Inorganic											
Antimony	ug/L	- -	130	6	- -	- -	- -	5 U	5 U	5 U	5 U [5 U]
Arsenic	ug/L	- -	10	10	- -	- -	- -	5	3	2	6 [7]
Barium	ug/L	- -	1,300	2,000	- -	- -	- -	443	644	**1,720 (GSI (2013))**	172 [180]
Beryllium	ug/L	- -	32	4	- -	- -	- -	1 U	1 U	1	1 [1 U]
Cadmium	ug/L	- -	4.8	5	- -	- -	- -	1.1	1.2	**18.1 (GSI (2013),NDW (2013))**	0.7 [0.6]
Chromium	ug/L	- -	170	100	- -	- -	- -	14	42	24	11 [15]
Cobalt	ug/L	- -	100	100	- -	- -	- -	23	10	92	11 [15]
Copper	ug/L	- -	22	1,000	- -	- -	- -	10	6	**34 (GSI (2013))**	**31 (GSI (2013)) [43]**
Cyanide (total)	ug/L	- -	5.2	200	- -	- -	- -	5 U	5 U	5 U	5 U [5 U]
Lead	ug/L	- -	47	4	- -	- -	- -	3	3 U	**7 (NDW (2013))**	**29 (NDW (2013)) [34]**
Manganese	ug/L	- -	4,900	50	- -	- -	- -	**7,070 (GSI (2013),NDW (2013))**	**4,780 (NDW (2013))**	**18,900 (GSI (2013),NDW (2013))**	**1,090 (NDW (2013)) [891]**
Mercury	ug/L	- -	0.0013	2	56	- -	56	**1.2 (GSI (2013))**	**4.5 (GSI (2013),NDW (2013))**	0.2 U	0.2 U [0.2 U]
Nickel	ug/L	- -	120	100	- -	- -	- -	70	63	**223 (GSI (2013),NDW (2013))**	23 [30]
Selenium	ug/L	- -	5	50	- -	- -	- -	5 U	5 U	5 U	5 U [5 U]
Silver	ug/L	- -	0.2	98	- -	- -	- -	0.5 U	0.5 U	0.5 U	0.5 U [0.5 U]
Thallium	ug/L	- -	3.7	2	- -	- -	- -	2 U	2 U	2 U	2 U [2 U]
Vanadium	ug/L	- -	27	62	- -	- -	- -	6	14	6	17 [22]
Zinc	ug/L	- -	280	5,000	- -	- -	- -	53	18	98	70 [78]
Miscellaneous											
Total suspended solids (TSS)	ug/L	- -	- -	- -	- -	- -	- -	81,600,000	14,200,000	53,500,000	1,330,000 [3,780,000]
Inorganic-Dissolved											
Antimony (dissolved)	ug/L	- -	130	6	- -	- -	- -	5 U	5 U	5 U	5 U [5 U]
Arsenic (dissolved)	ug/L	- -	10	10	- -	- -	- -	4	2 U	2 U	2 U [2 U]
Barium (dissolved)	ug/L	- -	1,300	2,000	- -	- -	- -	49	72	50	49 [52]
Beryllium (dissolved)	ug/L	- -	32	4	- -	- -	- -	1 U	1 U	1 U	1 U [1 U]
Cadmium (dissolved)	ug/L	- -	4.8	5	- -	- -	- -	0.5 U	0.5 U	0.5 U	0.5 U [0.5 U]
Chromium Total (dissolved)	ug/L	- -	- -	- -	- -	- -	- -	5 U	5 U	5 U	5 U [5 U]
Cobalt (dissolved)	ug/L	- -	100	100	- -	- -	- -	5 U	5 U	5 U	5 U [5 U]
Copper (dissolved)	ug/L	- -	22	1,000	- -	- -	- -	5 U	5 U	5 U	5 U [5 U]
Cyanide (total)	ug/L	- -	5.2	200	- -	- -	- -	5 U	5 U	5 U	5 U [5 U]
Lead (dissolved)	ug/L	- -	47	4	- -	- -	- -	3 U	3 U	3 U	3 U [3 U]
Manganese (dissolved)	ug/L	- -	4,900	50	- -	- -	- -	44	**164 (NDW (2013))**	**695 (NDW (2013))**	**70 (NDW (2013)) [77]**
Mercury (dissolved)	ug/L	- -	- -	- -	- -	- -	- -	0.2 U	0.2 U	0.2 U	0.2 U [0.2 U]
Nickel (dissolved)	ug/L	- -	120	100	- -	- -	- -	5 U	5 U	7	5 U [5 U]
Selenium (dissolved)	ug/L	- -	5	50	- -	- -	- -	5 U	5 U	5 U	5 U [5 U]
Silver (dissolved)	ug/L	- -	0.2	98	- -	- -	- -	0.5 U	0.5 U	0.5 U	0.5 U [0.5 U]
Thallium (dissolved)	ug/L	- -	3.7	2	- -	- -	- -	2 U	2 U	2 U	2 U [2 U]
Vanadium (dissolved)	ug/L	- -	27	62	- -	- -	- -	5 U	5 U	5 U	5 U [5 U]
Zinc (dissolved)	ug/L	- -	280	5,000	- -	- -	- -	5 U	23	10	24 [29]

Notes:
Bold and Shaded = Value exceeds one or more Michigan Department of Environmental Quality (MDEQ) Criteria.
ug/L = Micrograms per liter.
NA = Not analyzed.
J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.
U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
[ ] = Duplicate sample.
PCB = Polyhlorinated biphenol.
FE (2013) = Flamability and Explosivity Screening Level (2013).
GSI (2013) = Groundwater Surface Water Interface Criteria (2013).
WS (2013) = Water Solubility (2013).
NGVIA (2013) = Nonresidential Groundwater Volatilazation to Indoor Air Inhalation Criteria (2013) used when depth
RVISL (2016E) = Emergency Rule: Residential Vapor Intrusion Screening Criterion (2016).
NDW (2013) = Nonresidential Drinking Water Criteria (2013).

FIGURES



SOURCE: USGS 7.5 MIN., FLINT NORTH QUADRANGLE, FLINT NORTH 2014

0 2000' 4000'

APPROXIMATE SCALE IN FEET

RACER TRUST
BUICK CITY
FLINT, MICHIGAN

SITE LOCATION MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE 1

BD01-02R GW (2002)		
Analyte	Result	Criteria Exceeded
Benzene*	87D ug/L	NDW - 5 ug/L
*Samples collected in 2003 and 2004 were below criteria		

BD01-04 Soil (0.3-2.3, **6.3-8.3** ft bgs) (2001)		
Analyte	Result	Criteria Exceeded
Methylene Chloride	0.11 [0.33] mg/kg	NDWP - 0.1 mg/kg
Arsenic	5.7J [7.7J] mg/kg	GSIP - 4.6 mg/kg, NDWP - 4.6 mg/kg
Chromium	19 [26] mg/kg	GSIP - 3.3 mg/kg
Cobalt	9.3J [10J] mg/kg	GSIP - 2 mg/kg, NDWP - 2 mg/kg

BD01-04 GW
No Exceedances (analyzed for VOCs only)

BD01-03 Soil (**0.4-2.4**, 8.4-10.4, 18.4-20.4 ft bgs) (2001)		
Analyte	Result	Criteria Exceeded
Copper	630J mg/kg	NDWP - 130 mg/kg

BD01-03 GW (2001)		
Analyte	Result	Criteria Exceeded
Manganese, Total	140 ug/L	NDW, aesthetic - 50 ug/L
Manganese, Dissolved	94 ug/L	NDW,aesthetic - 50 ug/L
Silver, Total	0.64 ug/L	GSI - 0.2 ug/L

SB-BD01-2 Soil (14-16 ft bgs)
No Exceedances

BD01-02 Soil (**0-2**, 8-10, 12-14 ft bgs) (2001)		
Analyte	Result	Criteria Exceeded
Chromium	27J	GSIP - 3.3 mg/kg

BD01-02 BW		
Analyte	Result	Criteria Exceeded
Benzene	7.8 ug/L	NDW - 5 ug/L
Manganese, Total	180 ug/L	NDW, aesthetic - 50 ug/L
Manganese, Dissolved	130 ug/L	NDW, aesthetic - 50 ug/L
Selenium, Total	5.1 ug/L	GSI - 5 ug/L
Selenium, Dissolved	5.4 ug/L	GSI - 5 ug/L

SB-BD01-2 BW		
Analyte	Result	Criteria Exceeded
Manganese, Total	4,780 ug/L	NDW-HB - 2,500 ug/L
Manganese, Dissolved	164 ug/L	NDW, aesthetic - 50 ug/L
Mercury, Total	4.5 ug/L	GSI - 0.0013 ug/L, NDW - 2 ug/L

SB-BD01-1 Soil (12-14 ft bgs)
No Exceedances

SB-BD01-1 BW		
Analyte	Result	Criteria Exceeded
Manganese, Total	7,070 ug/L	GSI - 4,900 ug/L, NDW-HB - 2,500 ug/L
Mercury, Total	1.2 ug/L	GSI - 0.0013 ug/L

SB-BD01-3 Soil (3-5 ft bgs)
No Exceedances

SB-BD01-3 BW
Not Sampled

SB-BD01-4 Soil (4-6 and 13-15 ft bgs)
No Exceedances

SB-BD01-4 BW		
Analyte	Result	Criteria Exceeded
Barium, Total	1,720 ug/L	GSI - 1,300 ug/L
Cadmium, Total	18.1 ug/L	GSI - 4.8 ug/L, NDW - 5 ug/L
Copper, Total	34 ug/L	GSI - 22 ug/L
Lead, Total	7 ug/L	NDW - 4 ug/L
Manganese, Total	18,900 ug/L	GSI - 4,900 ug/L, NDW-HB - 2,500 ug/L
Manganese, Dissolved	695 ug/L	NDW,aesthetic - 50 ug/L
Nickel, Total	223 ug/L	GSI -120 ug/L, NDW - 100 ug/L

SB-BD01-5 Soil (9-11 ft bgs)
No Exceedances

SB-BD01-5 BW
Not Sampled

SB-BD01-8 Soil (4-6 ft bgs)
No Exceedances

SB-BD01-8 BW
Not Sampled

BD01-01 Soil (**0.4-2.4, 8.4-10.4** 22.4-24.4 ft bgs) (2001)		
Analyte	Result	Criteria Exceeded
Arsenic	6.3J - 7.2J mg/kg	GSIP - 4.6 mg/kg, NDWP - 4.6 mg/kg
Chromium	26J mg/kg	GSIP - 3.3 mg/kg
Cobalt	19J mg/kg	GSIP - 2 mg/kg, NDWP - 2 mg/kg
Manganese	500 - 560J mg/kg	GSIP - 98 mg/kg, NDWP - 1 mg/kg
Selenium	0.5J mg/kg	GSIP - 0.4 mg/kg

BD01-01 GW
Not Sampled

SB-BD01-7 Soil (8-10 ft bgs)
No Exceedances

SB-BD01-6 Soil (8-10 ft bgs)
No Exceedances

SB-BD01-9 Soil (6-8 ft bgs)
No Exceedances

SB-BD01-7 BW		
Analyte	Result	Criteria Exceeded
Copper, Total	31 ug/L [43 ug/L]	GSI - 22 ug/L
Lead, Total	29 ug/L [34 ug/L]	NDW - 4ug/L
Manganese, Total	1,090 ug/L [891 ug/L]	NDW-aesthetic - 50 ug/L
Manganese, Dissolved	70 ug/L [77 ug/L]	NDW-aesthetic - 50 ug/L

SB-BD01-6 BW
Not Sampled

SB-BD01-9 BW
Not Sampled

LEGEND:

- RACER PROPERTY BOUNDARY
- BUILDING OUTLINE
- FORMER BUILDING OUTLINE
- BASEMENT/TUNNEL AREA
- WATER MAIN
- GAS LINE
- SANITARY PIPING
- STORM SEWER
- PROCESS PIPING
- FIRE SUPPRESSION LINE
- UNKNOWN PIPING
- MONITORING WELL
- ABANDONED MONITORING WELL
- RFI SOIL BORING/GRAB GROUNDWATER SAMPLE LOCATION
- SUBSURFACE INVESTIGATION AREA
- 2017 SAMPLING LOCATION
- HISTORICAL SAMPLING LOCATION
- SB-BD-SOIL — SOIL SAMPLE
- SB-BD BW — GROUNDWATER SAMPLE COLLECTED FROM SOIL BORING
- BD GW — GROUNDWATER COLLECTED FROM MONITORING WELL
- AUTO REPAIR (1931-1937) — HISTORICAL USE

NOTES:

1. BASE MAP INFORMATION FROM A SURVEY BY BMJ, INC. DATED APRIL 2001, AT A SCALE OF 1:100. AERIAL IMAGE FROM ARCGIS 10 ONLINE MAPPING, ACCESSED 6/12/2013.
2. BASED ON INFORMATION AVAILABLE AS OF FEBRUARY 2017.
3. GSI – GROUNDWATER SURFACE WATER INTERFACE CRITERIA
   GSIP – GROUNDWATER SURFACE WATER INTERFACE PROTECTION CRITERIA
   NDW, HB – NONRESIDENTIAL DRINKING WATER HEALTH BASED CRITERIA
   NDW, aesthetic – NONRESIDENTIAL DRINKING WATER AESTHETIC BASED CRITERIA
   NDWP – NONRESIDENTIAL DRINKING WATER PROTECTION CRITERIA
   NSVIA – NONRESIDENTIAL SOIL VOLATILIZATION TO INDOOR AIR CRITERIA
   BW – WATER SAMPLE COLLECTED FROM SOIL BORING
   GW – WATER SAMPLE COLLECTED FROM MONITORING WELL
   BD – ADMINISTRATION BUILDING NO 1
   D – LAB–DILUTED SAMPLE
   ft bgs – FEET BELOW GROUND SURFACE
   J – LAB–ESTIMATED RESULT
   mg/kg – MILLIGRAMS PER KILOGRAM
   SB – SOIL BORING
   ug/L – MICROGRAMS PER LITER
   VOCs – VOLATILE ORGANIC COMPOUNDS
4. BOLDED SOIL SAMPLE INTERVALS INDICATE INTERVALS WHERE EXCEEDANCES OF CRITERIA WERE DETECTED.
5. IF THE SAMPLE YEAR IS NOT SPECIFIED IN RESULTS BOX, THE SAMPLE WAS COLLECTED IN FEBRUARY 2017.

0 100' 200'
APPROXIMATE SCALE IN FEET

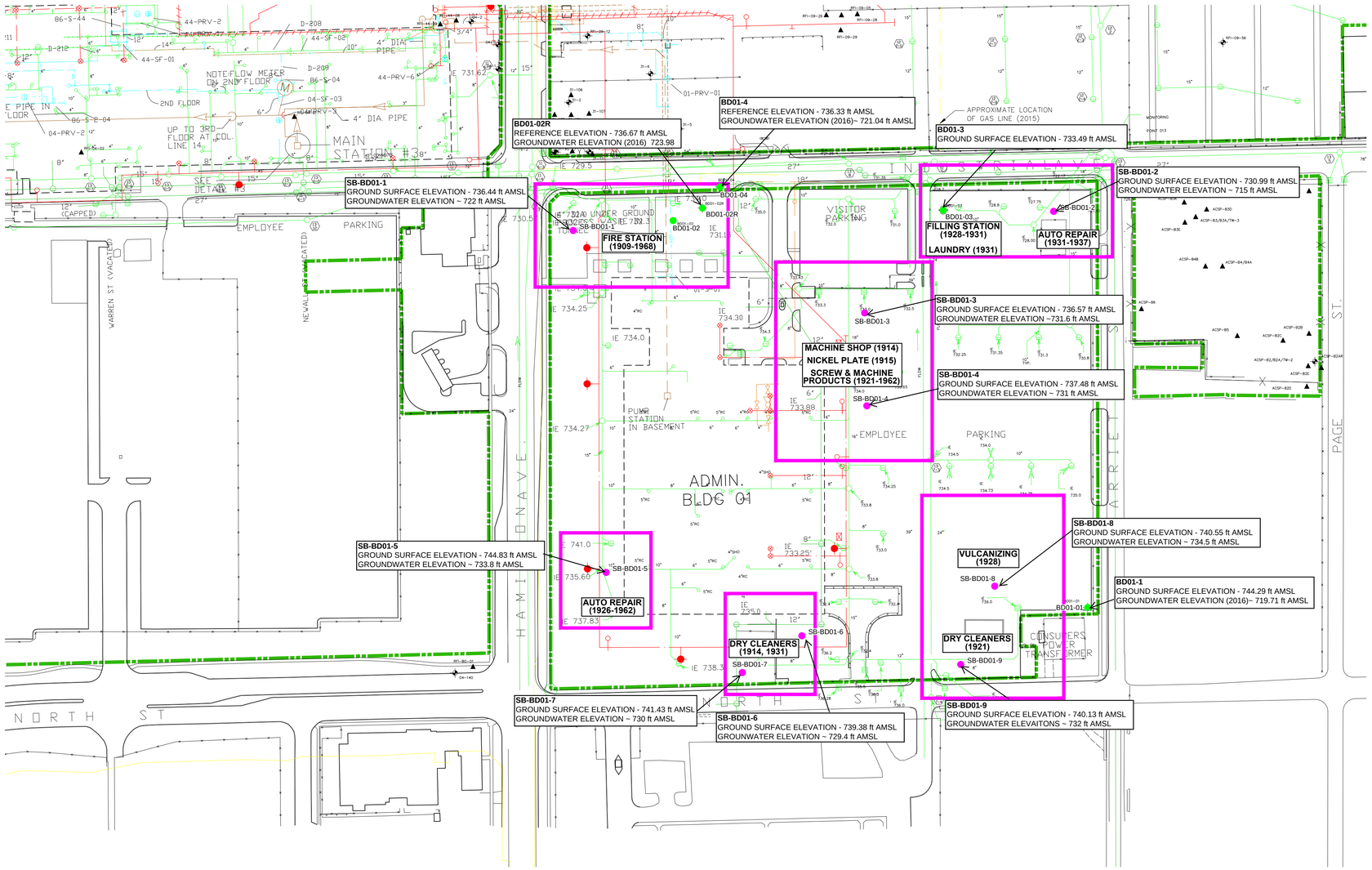
RACER TRUST
BUICK CITY
FLINT, MICHIGAN

ADMINISTRATION BUILDING NO. 1 SUBSURFACE INVESTIGATION AREA EXCEEDANCE SUMMARY

ARCADIS Design & Consultancy for natural and built assets

FIGURE
2

CITY: SYRACUSE DIV/GROUP: ENV DB: A.SANCHEZ LD: ALS/GMS PIC: C.S.PETERS PM: C.KIKER TM: C.KIKER LYR: ON=*;OFF=*REF* PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 4/18/2017 9:44 AM BY: SANCHEZ, ADRIAN
Z:\ENVCAD\SYRACUSE\ACTIVITY\00207\B64410\2017\00207B64410_SI-AREAS.dwg LAYOUT: 3 SAVED: 4/18/2017 9:43 AM ACADVER: 19.1S (LMS TECH)
IMAGES: PROJECTNAME: ----



LEGEND:

- RACER PROPERTY BOUNDARY
- BUILDING OUTLINE
- FORMER BUILDING OUTLINE
- BASEMENT/TUNNEL AREA
- WATER MAIN
- GAS LINE
- SANITARY PIPING
- STORM SEWER
- PROCESS PIPING
- FIRE SUPPRESSION LINE
- UNKNOWN PIPING
- MONITORING WELL
- ABANDONED MONITORING WELL
- RFI SOIL BORING/GRAB GROUNDWATER SAMPLE LOCATION
- SUBSURFACE INVESTIGATION AREA
- 2017 SAMPLING LOCATION
- HISTORICAL SAMPLING LOCATION
- AUTO REPAIR (1931-1937) HISTORICAL USE

NOTES:

1. BASE MAP INFORMATION FROM A SURVEY BY BMJ, INC. DATED APRIL 2001, AT A SCALE OF 1:100. AERIAL IMAGE FROM ARCGIS 10 ONLINE MAPPING, ACCESSED 6/12/2013.
2. BASED ON INFORMATION AVAILABLE AS OF FEBRUARY 2017.
3. ft AMSL - FEET ABOVE MEAN SEA LEVEL

0 100' 200'
APPROXIMATE SCALE IN FEET

RACER TRUST
BUICK CITY
FLINT, MICHIGAN

ADMINISTRATION BUILDING NO. 1 GROUND SURFACE AND GROUNDWATER ELEVATIONS

ARCADIS Design & Consultancy for natural and built assets

FIGURE 3

ATTACHMENT 1

Certified Sanborn® Map Report

Sanborn® Library search results
Certification # 6248-48CC-AA56

5659s-2-17 GM NAO Flint
902 East Hamilton
Flint, MI 48505

Inquiry Number 2150252.1S

February 20, 2008

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Rd
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

Certified Sanborn® Map Report

2/20/08

Site Name:
5659s-2-17 GM NAO Flint
902 East Hamilton
Flint, MI 48505

EDR Inquiry # 2150252.1S

Client Name:
AKT Peerless Environmental
214 Janes Avenue
Saginaw, MI 48607

Contact: Bev Dempsey

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by AKT Peerless Environmental Svc were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: 5659s-2-17 GM NAO Flint
Address: 902 East Hamilton
City, State, Zip: Flint, MI 48505
Cross Street:
P.O. # 5659s-2-17
Project: 5659s
Certification # 6248-48CC-AA56

Sanborn® Library search results
Certification # 6248-48CC-AA56

Maps Identified - Number of maps indicated within "( )"

1970 (3) 1902 (2)
1967 (6)
1950 (9)
1928 (9)
1914 (9)
1909 (6)

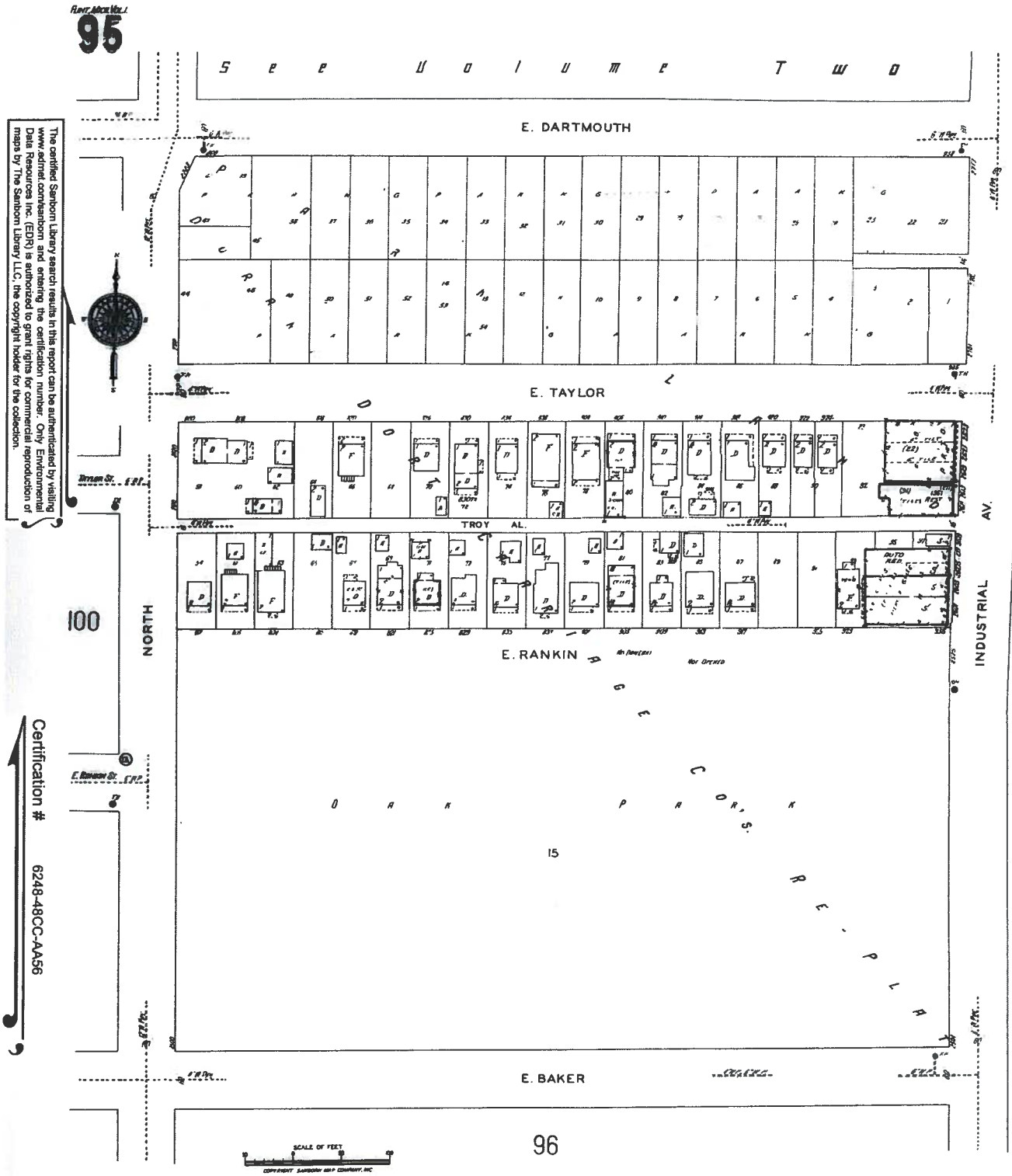
Total Maps: 44

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

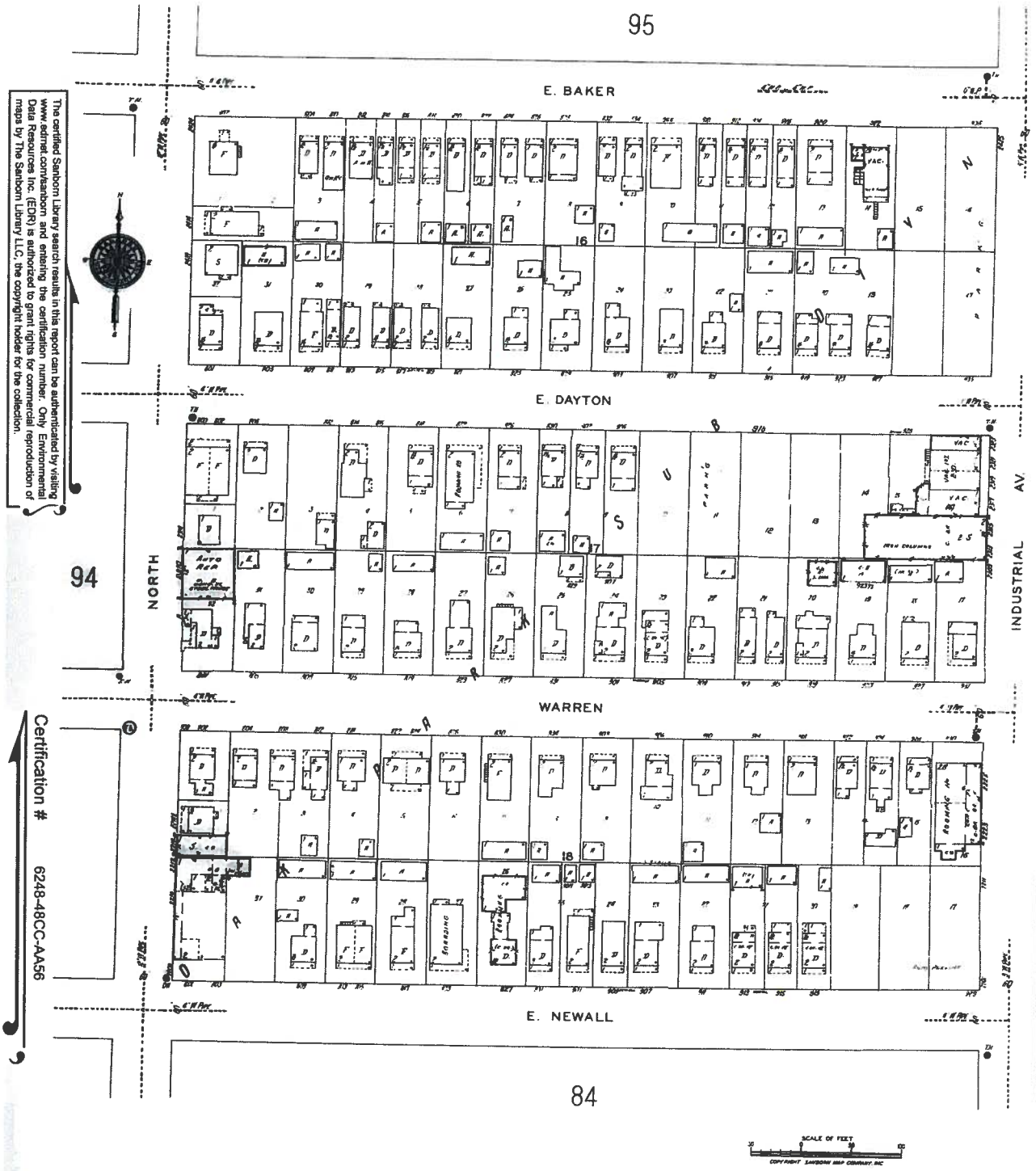
Limited Permission To Make Copies

AKT Peerless Environmental Svc (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.



Certification # 6248-48CC-AA56

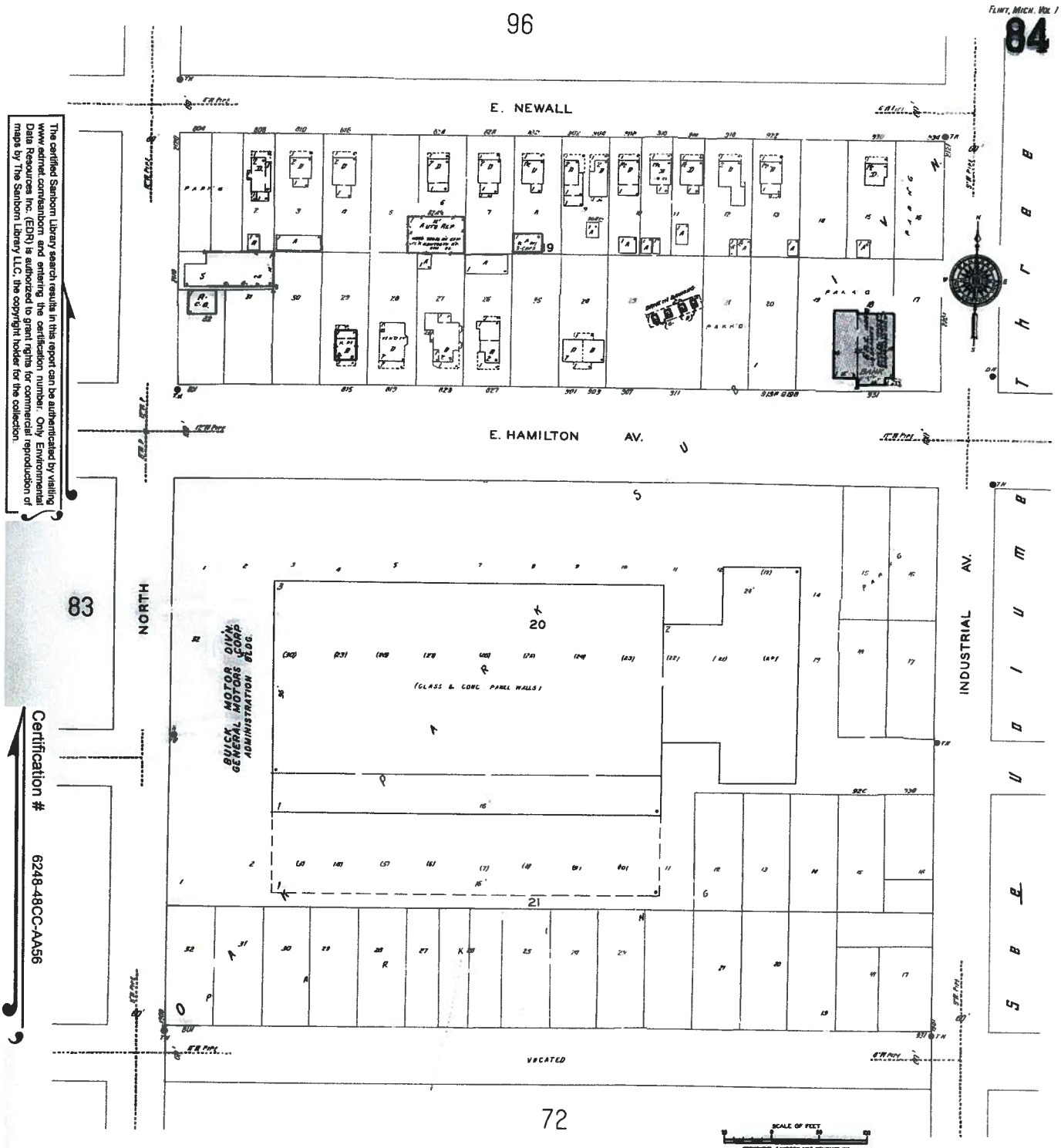
Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56



Certification # 6248-48CC-AA56

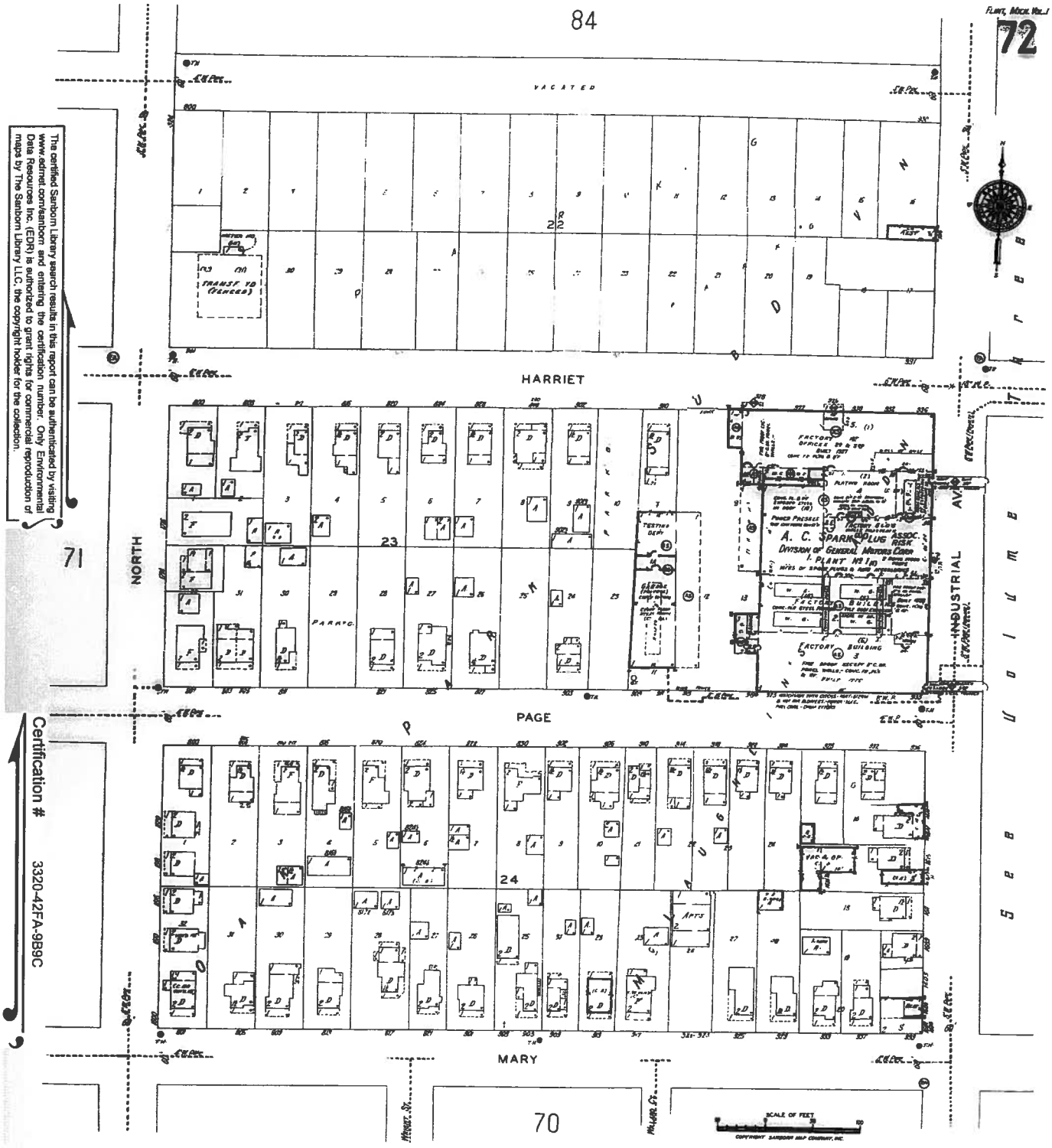
Site Name:	5859s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56

Copyright: 1970



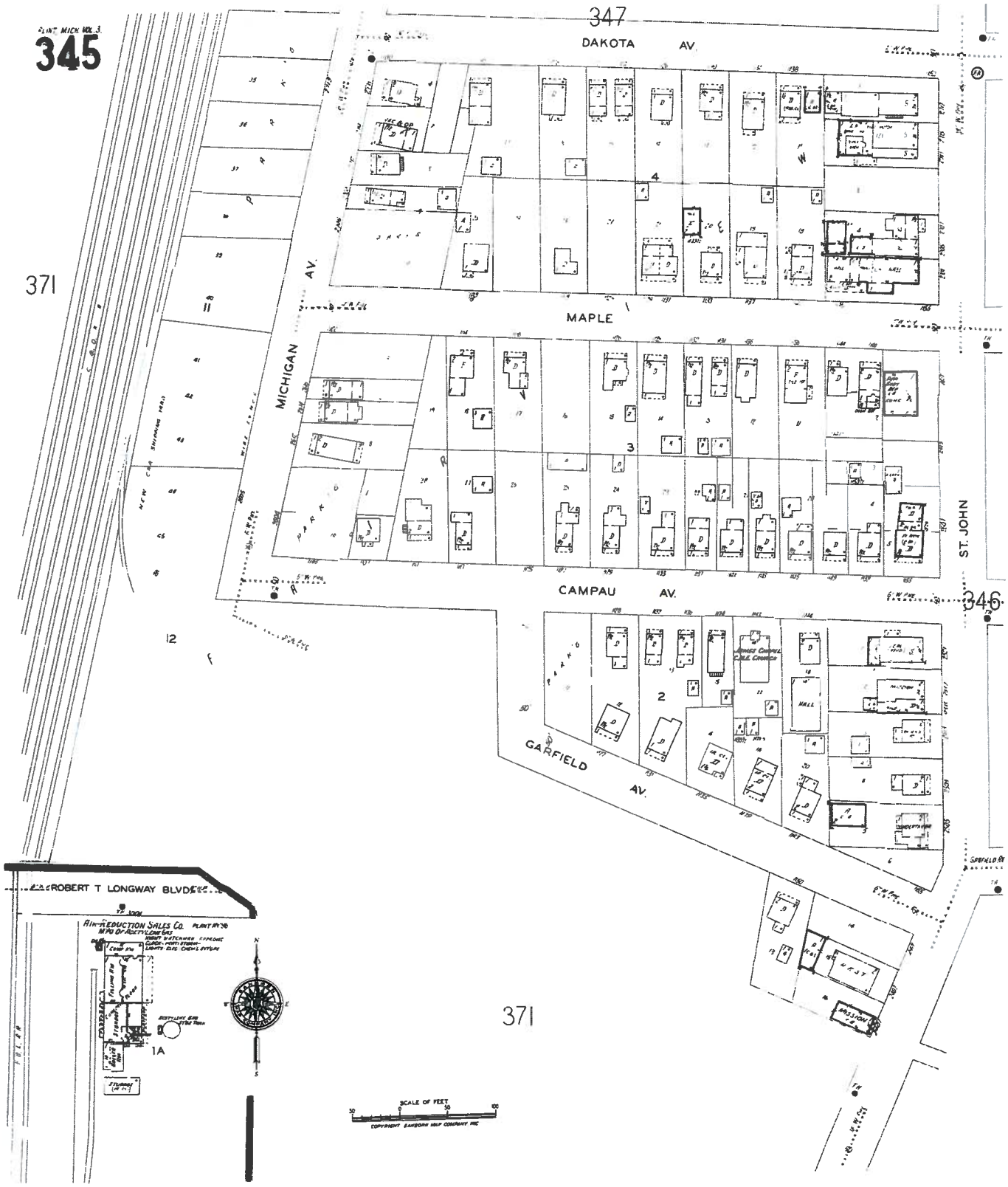
Certification # 6248-48CC-AA56

Site Name:	5859s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56



Certification # 3320-42FA-9B9C

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 EAST HAMILTON
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2204924.1s
Order Date:	4/25/2008 11:29:52 AM
Certification #	3320-42FA-9B9C



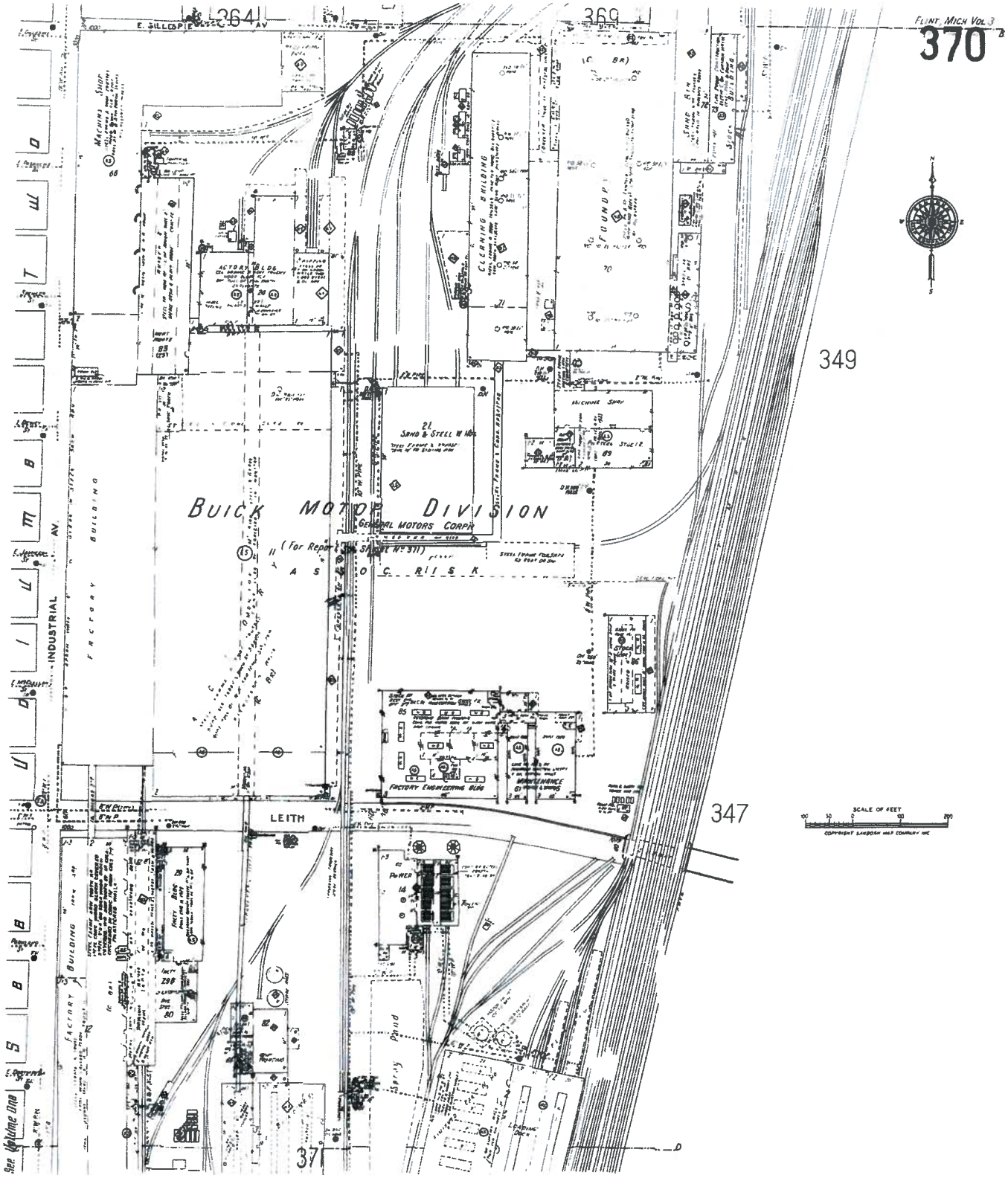
Certification # 6248-48CC-AA56

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56

Copyright: 1967

Certification # 6248-48CC-AA56

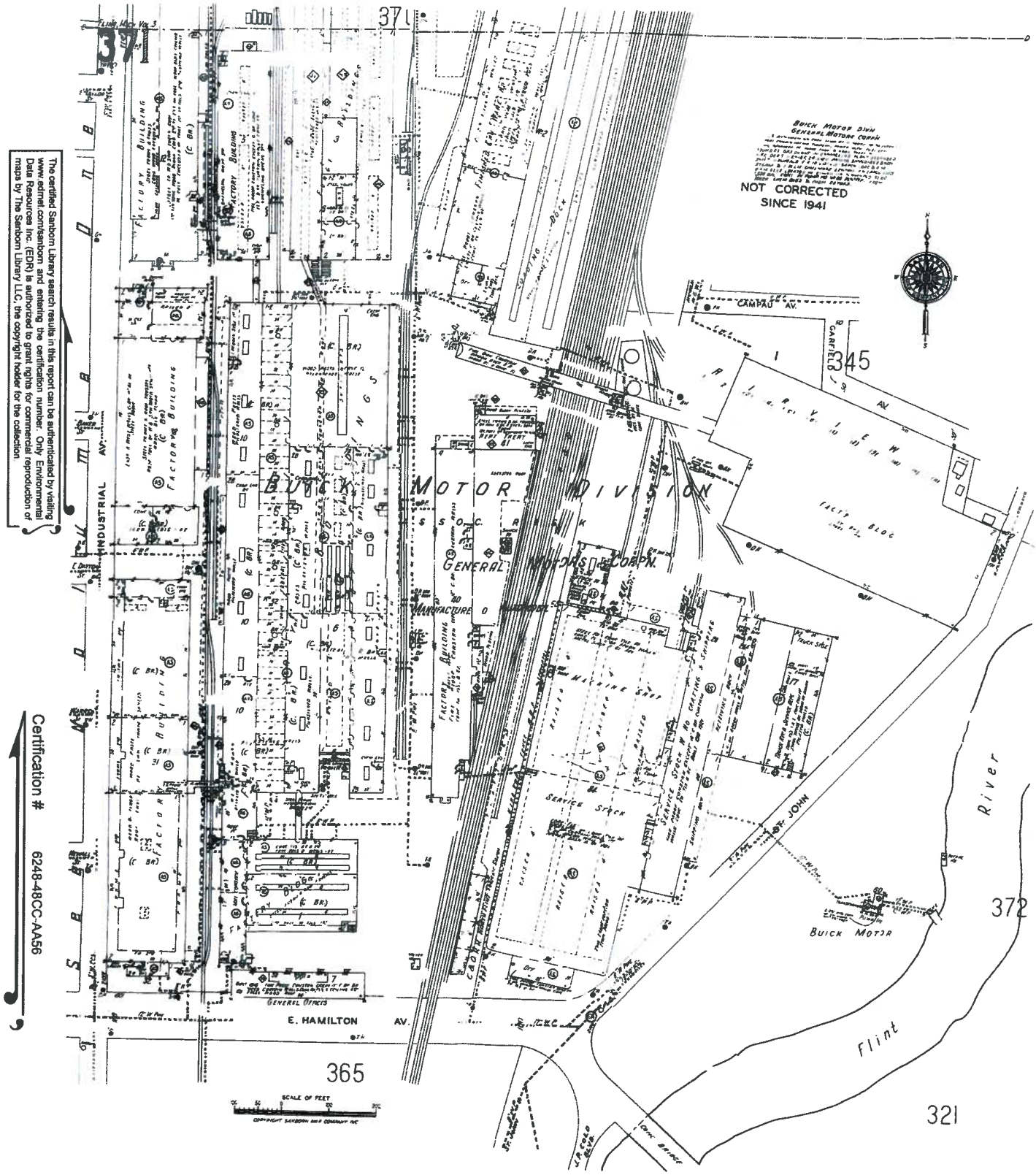
Site Name: 5659s-2-17 GM NAO Flint
Address: 902 East Hamilton
City, ST, ZIP: Flint MI 48505
Client: AKT Peerless Environmental Svc
EDR Inquiry: 2150252.1S
Order Date: 2/20/2008 8:28:26 AM
Certification #: 6248-48CC-AA56



Certification # 6248-48CC-AA56

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56

Copyright: 1967

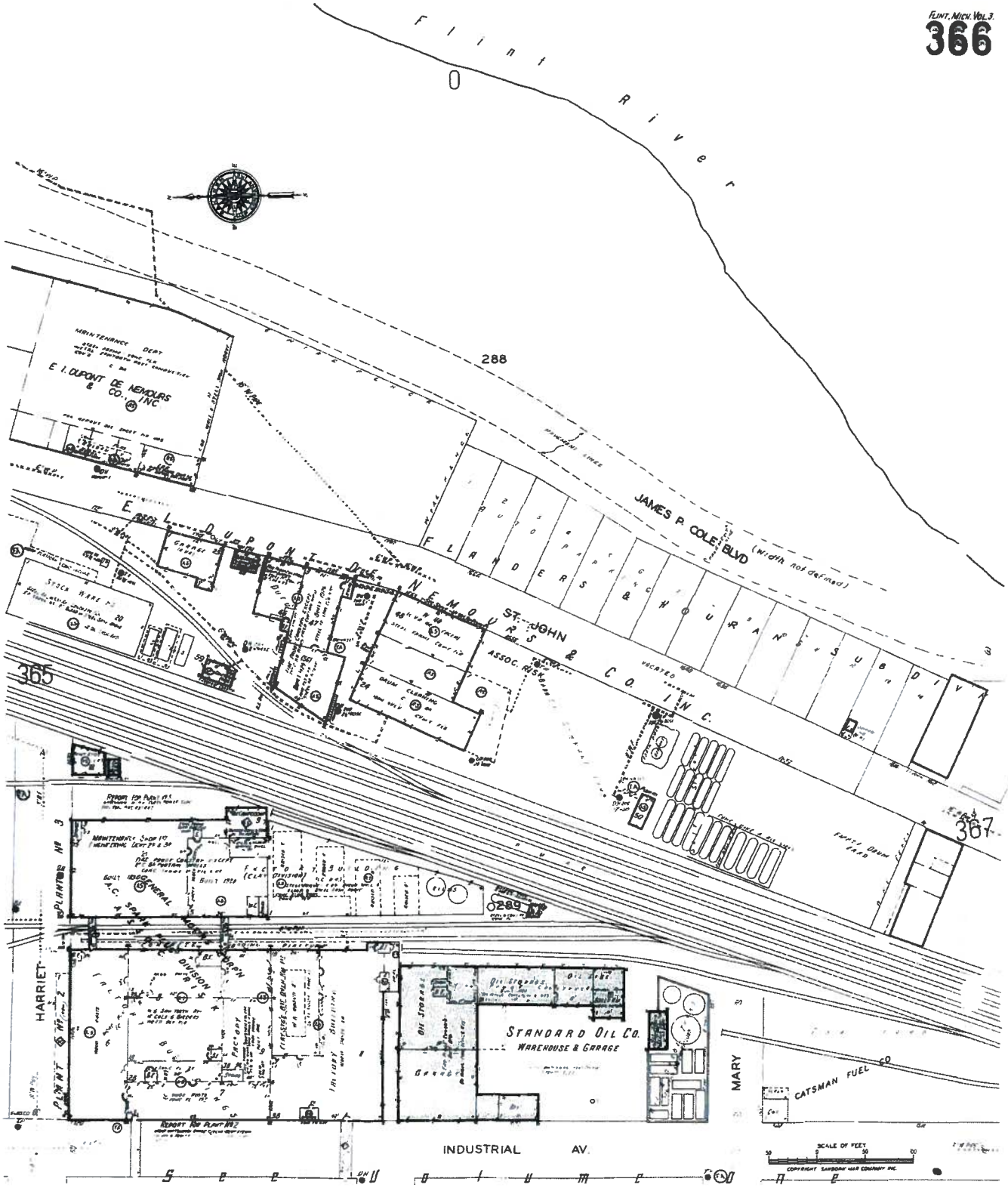


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 6248-48CC-AA56

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56

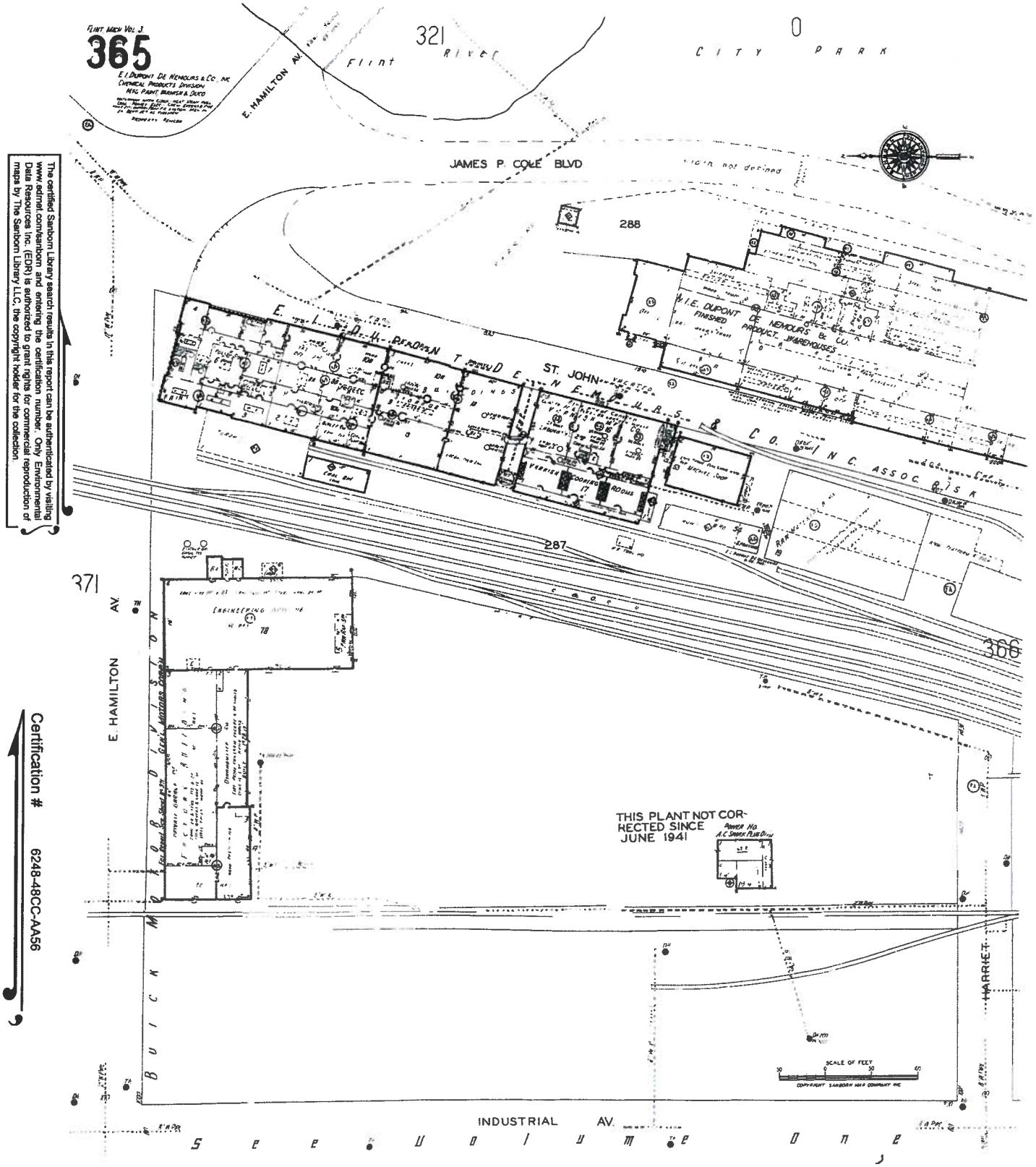
Copyright: 1967



Certification # 6248-48CC-AA56

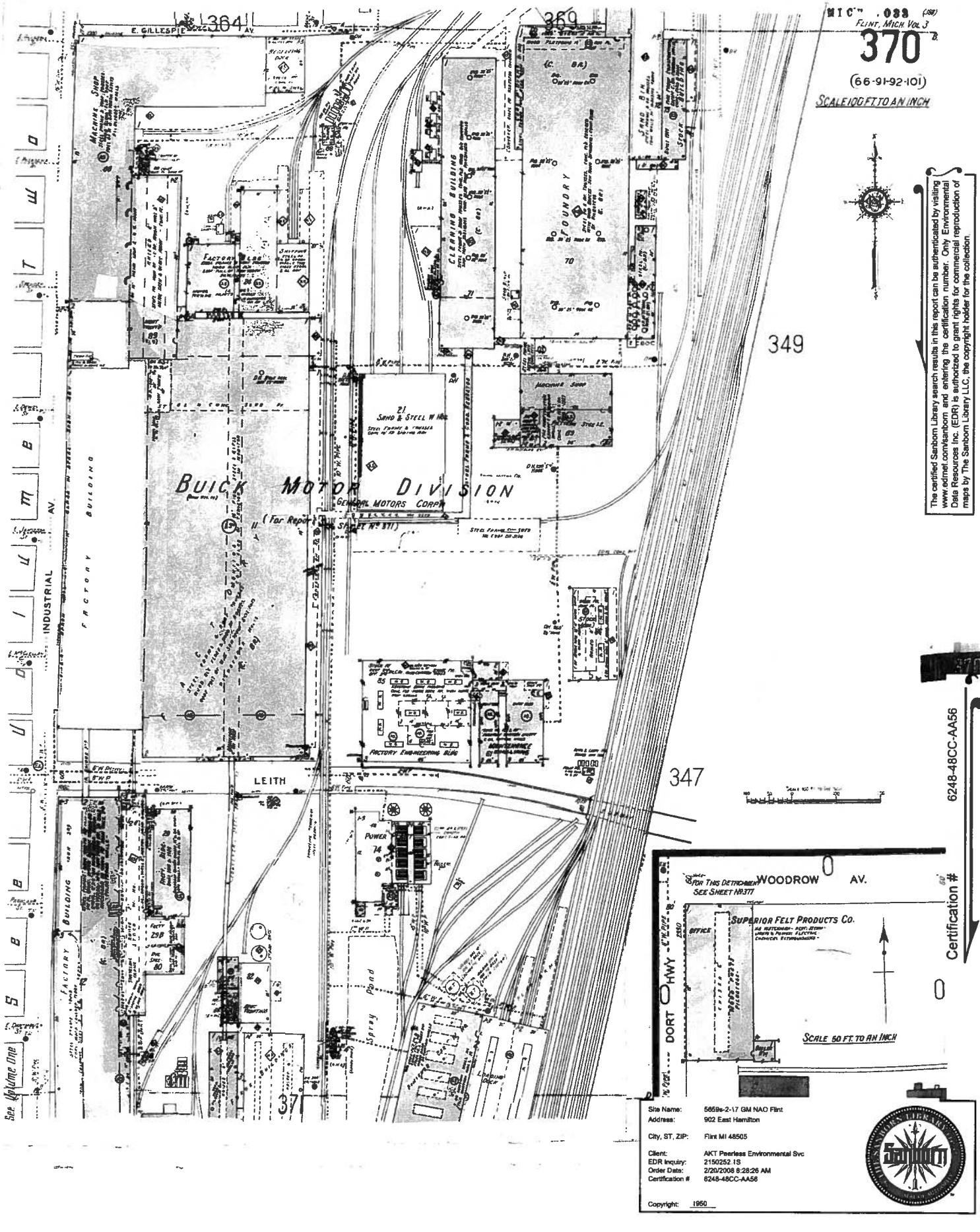
Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56

Copyright: 1987

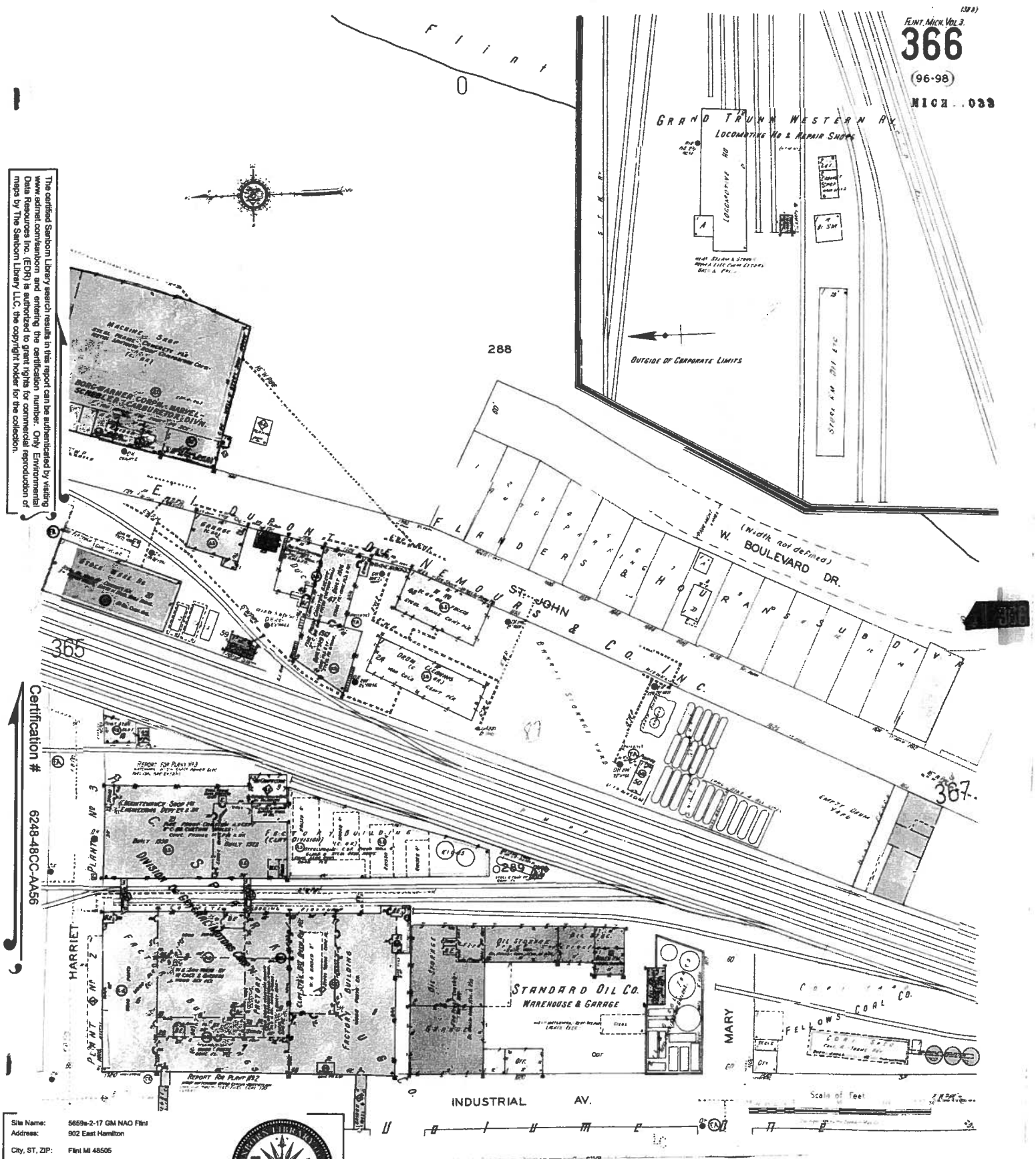


Certification # 6248-48CC-AA56

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.



Certification # 6248-48CC-AA56

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56

96

E. NEWALL

E. HAMILTON AV.

E. WITHERBEE

E. PATERSON

72

83

NORTH

INDUSTRIAL AV.

THEBE

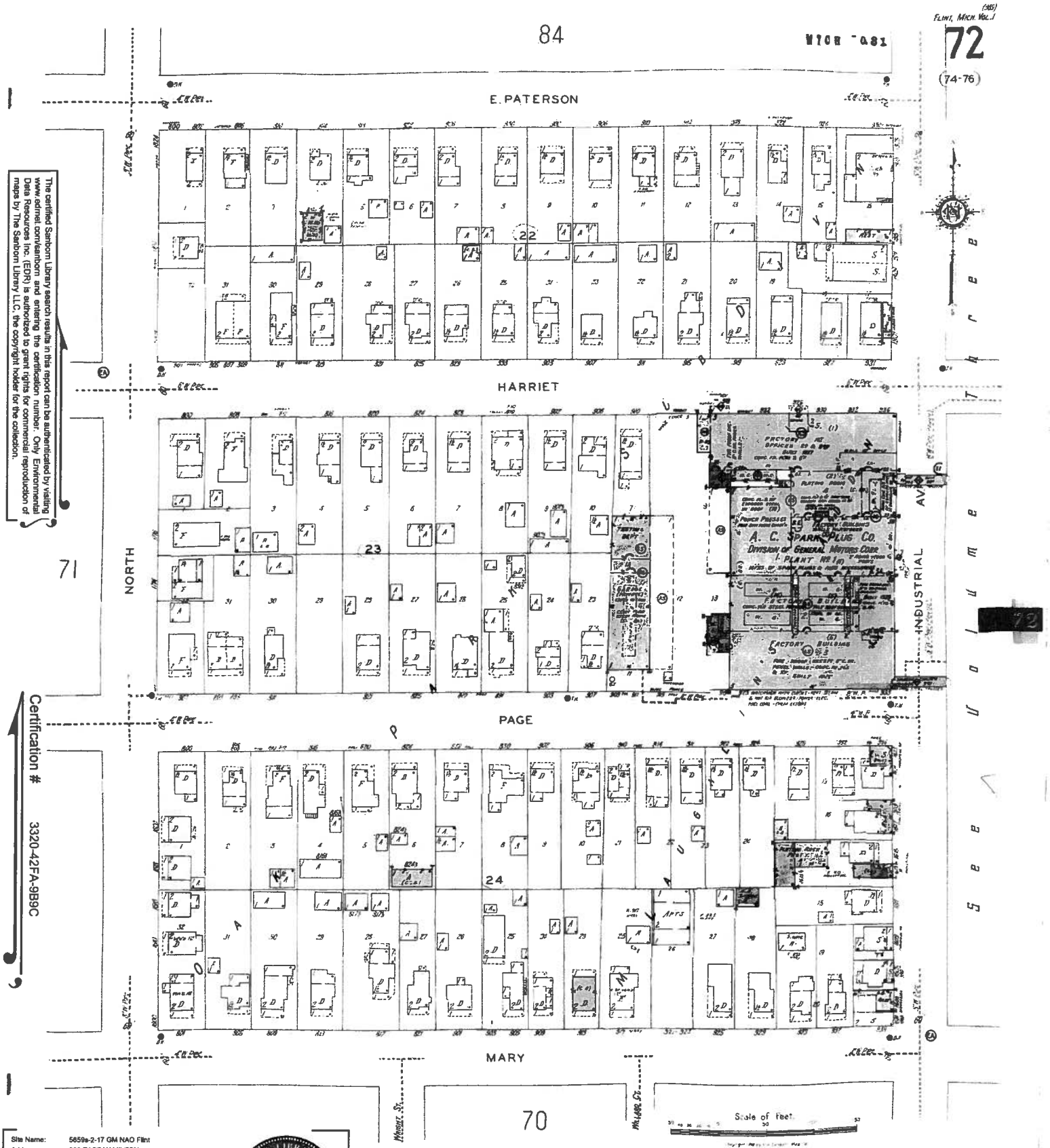
VOLUME

SHEBE

Certification # 6248-48CC-AA56

Scale of Feet

Site Name: 5659s-2-17 GM NAO Flint
Address: 902 East Hamilton
City, ST, ZIP: Flint MI 48505
Client: AKT Peerless Environmental Svc
EDR Inquiry: 2150252.1S
Order Date: 2/20/2008 8:28:26 AM
Certification #: 6248-48CC-AA56



Certification # 3320-42FA-9B9C

Site Name: 5659s-2-17 GM NAO Flint
Address: 902 EAST HAMILTON
City, ST, ZIP: Flint MI 48505
Client: AKT Peerless Environmental Svc
EDR Inquiry: 2204924.1s
Order Date: 4/25/2008 11:29:52 AM
Certification #: 3320-42FA-9B9C

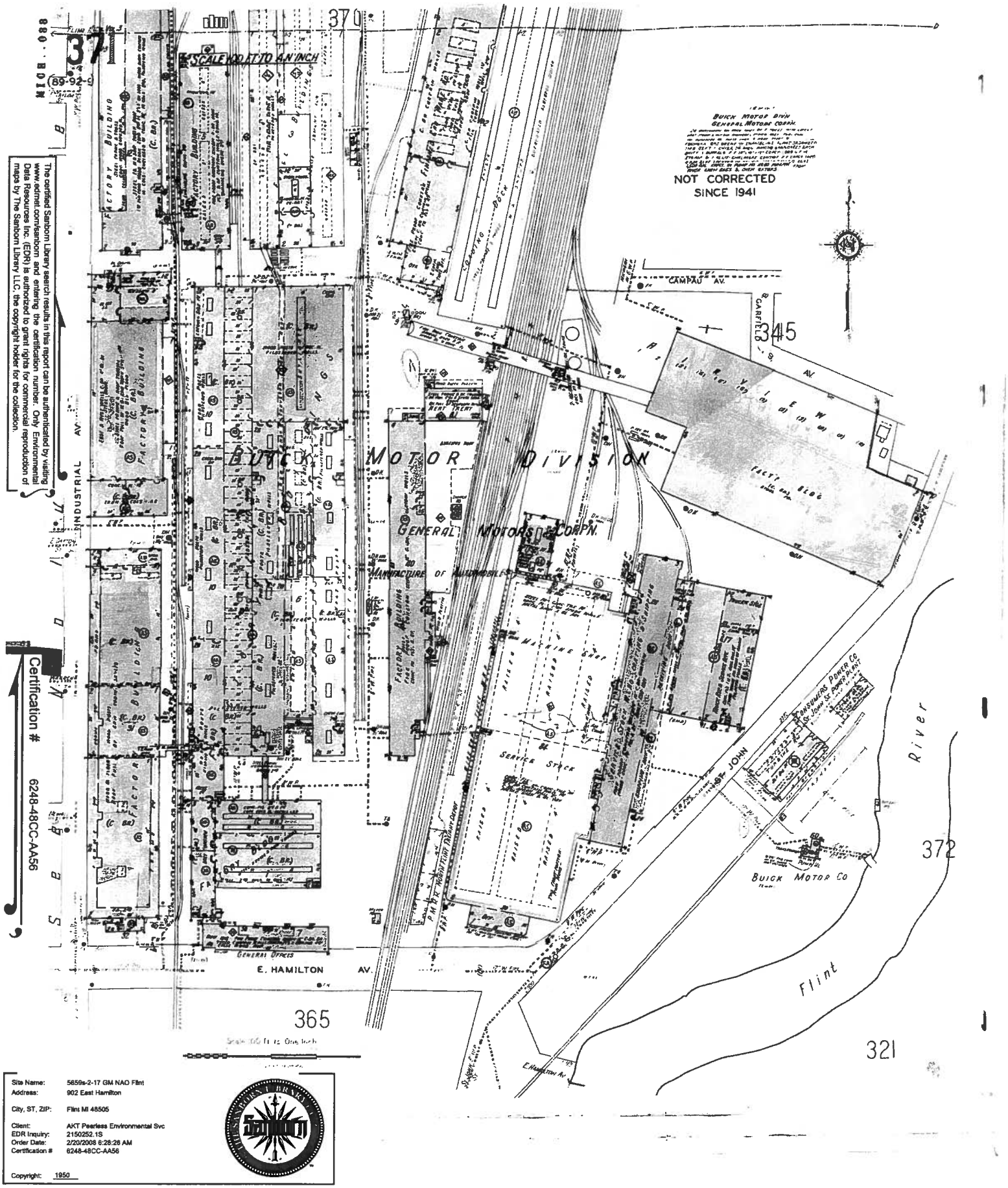
Site Name: 5659e-2-17 GM NAO Flint
Address: 902 East Hamilton
City, ST, ZIP: Flint MI 48505
Client: AKT Peerless Environmental Svc
EDR Inquiry: 2150252.1S
Order Date: 2/20/2008 6:28:26 AM
Certification #: 6248-48CC-AA56

Certification # 6248-48CC-AA56

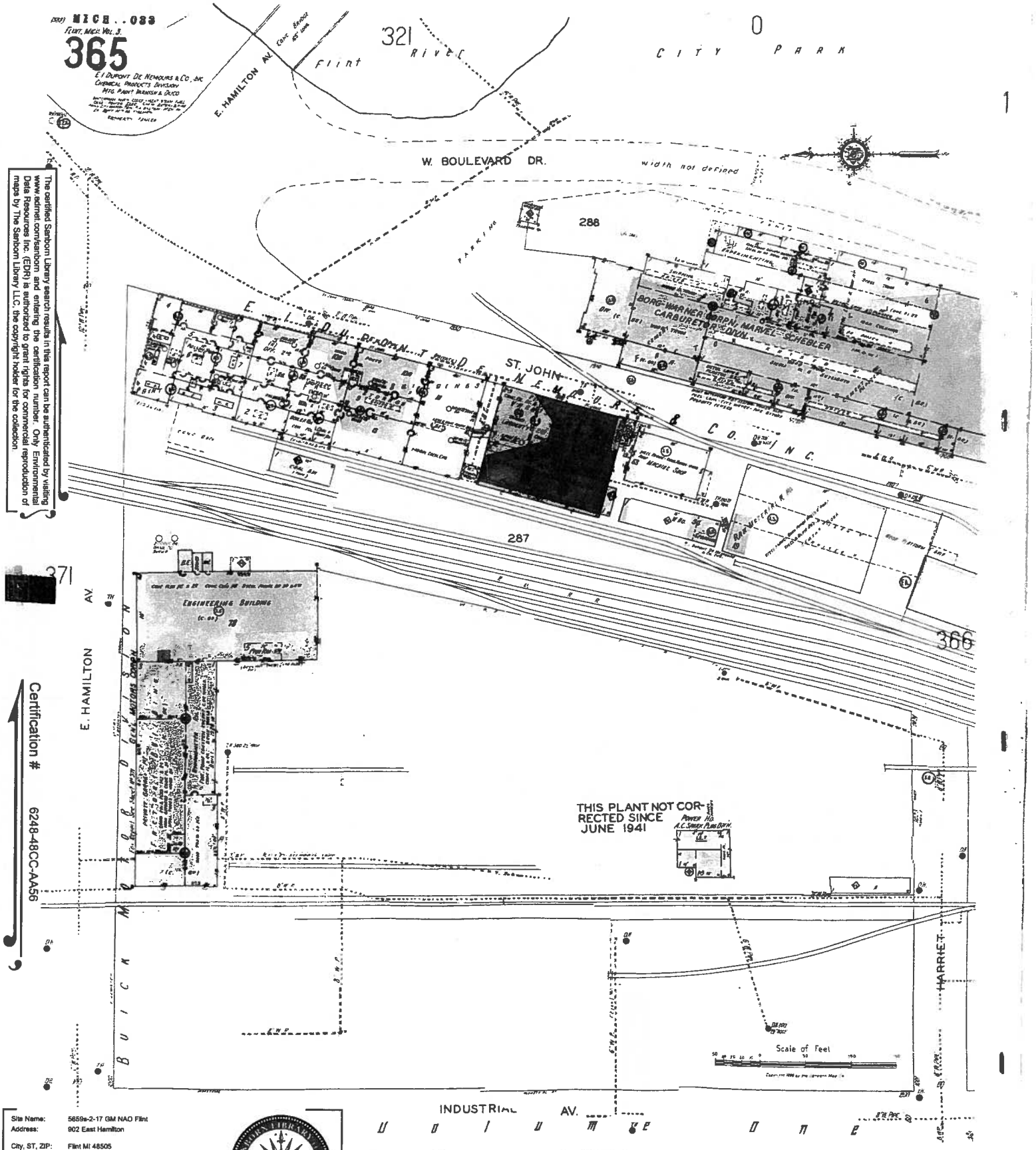
Site Name:	5659a-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56

Certification # 6248-48CC-AA56

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56

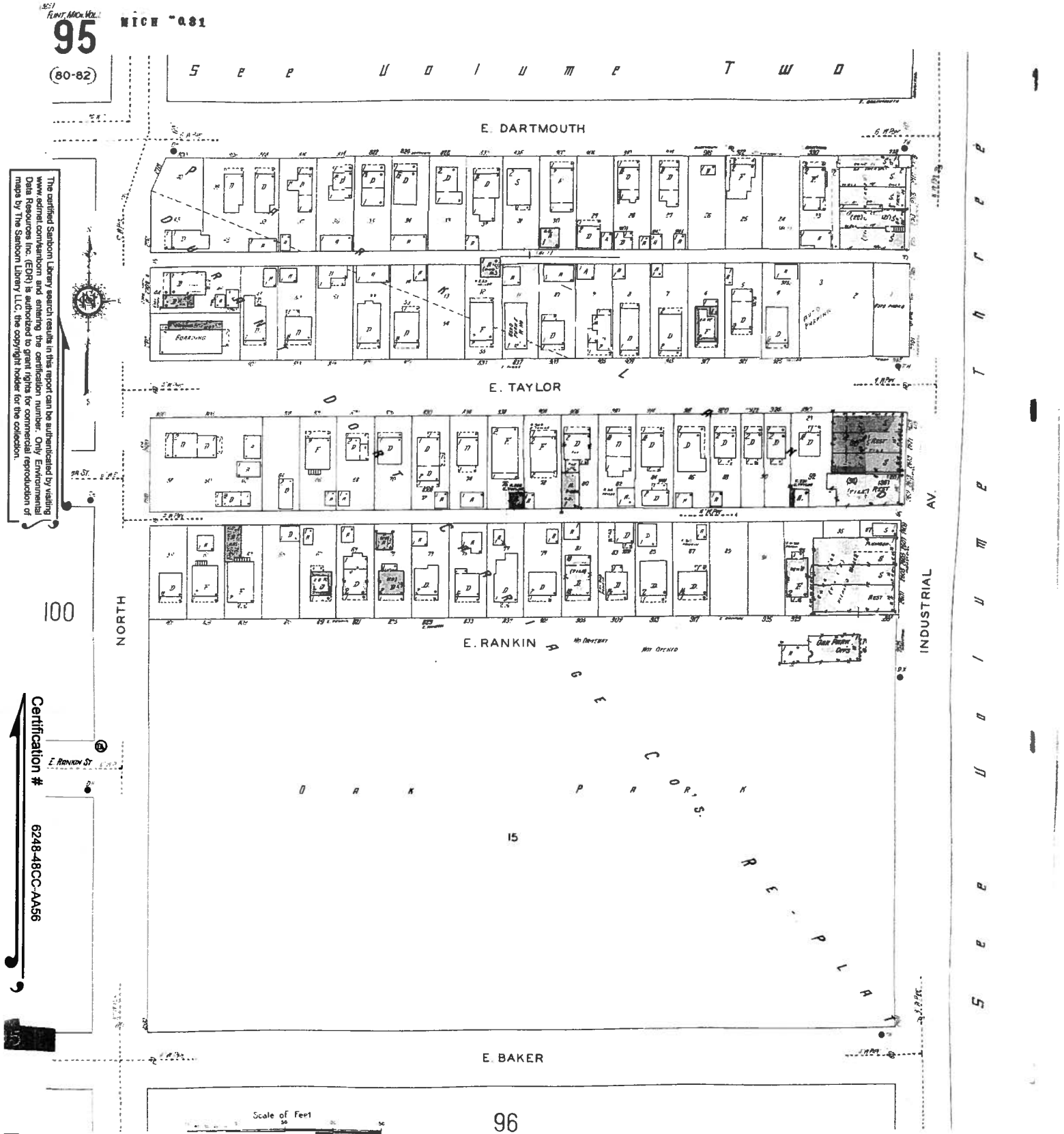


Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:28 AM
Certification #	6248-48CC-AA56



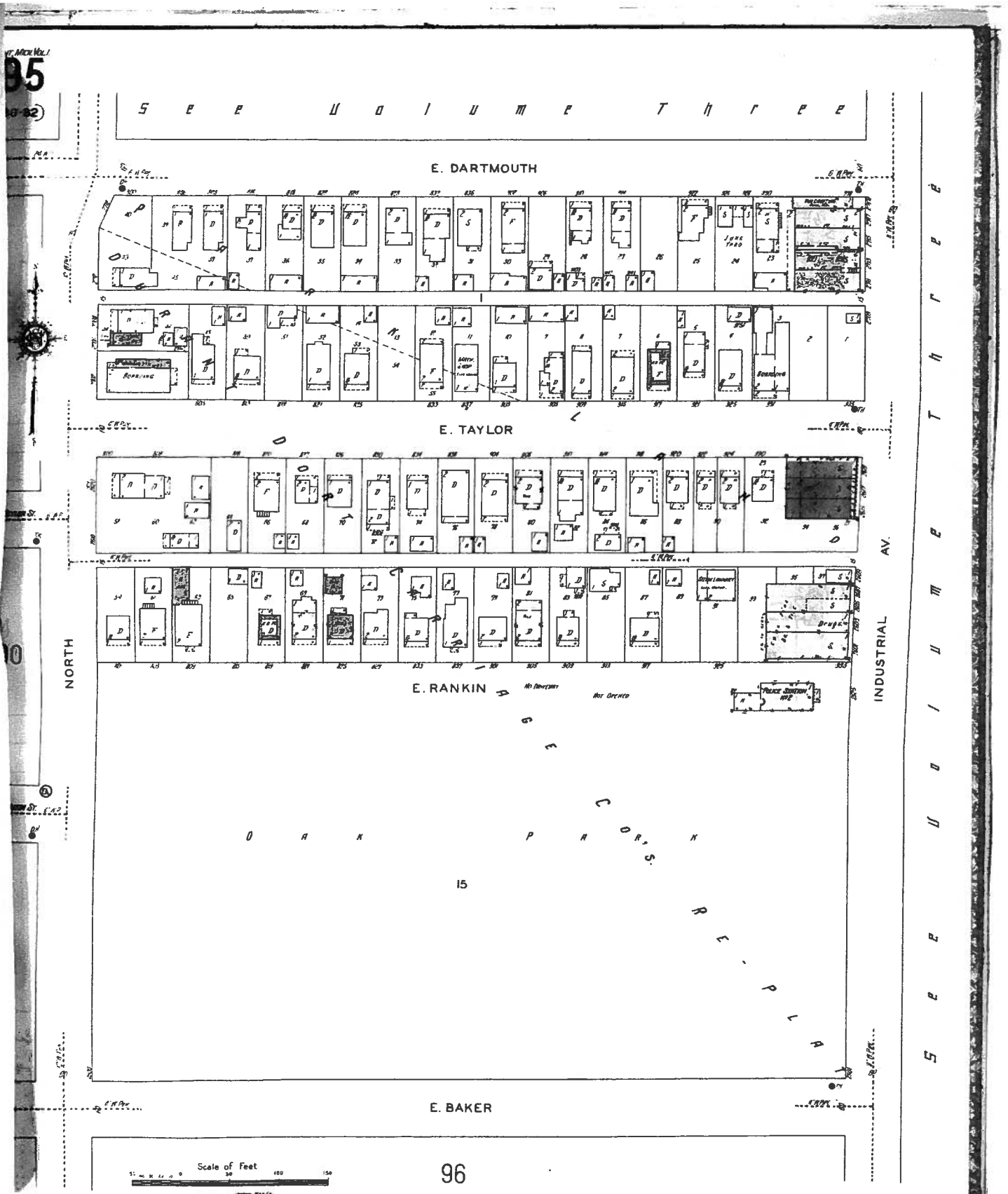
Certification # 6248-48CC-AA56

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56



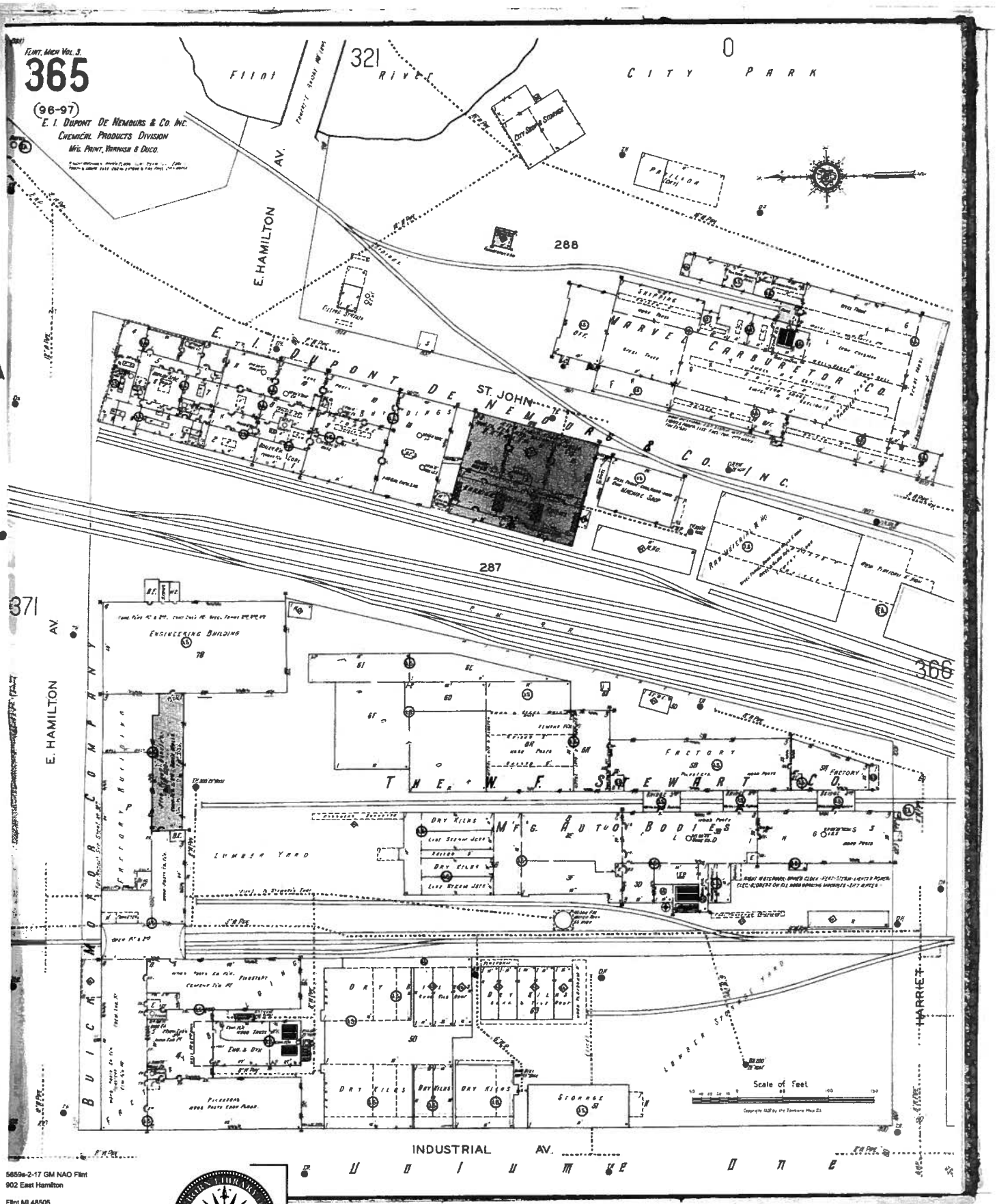
Certification # 6248-48CC-AA56

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56



Certification # 6248-48CC-AA56

Site Name: 5859s-2-17 GM NAO Flint
Address: 902 East Hamilton
City, ST, ZIP: Flint MI 48505
Client: AKT Peerless Environmental Svc
EDR Inquiry: 2150252.1S
Order Date: 2/20/2008 8:28:26 AM
Certification #: 6248-48CC-AA56



The certified Sanborn Library search results in this report can be authenticated by visiting www.sdimet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 6248-48CC-AA56

Site Name:	5659e-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:28 AM
Certification #	6248-48CC-AA56

Copyright: 1928

96

E. NEWALL

E. HAMILTON AV.

NORTH

INDUSTRIAL AV.

E. WITHERBEE

E. PATERSON

72

MACHINE SHOP
J. E. FARBER CO. INC.
AUTO. SCREW MACH. PRODUCTS

Scale of Feet

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56

Certification # 6248-48CC-AA56

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56

Copyright: 1928

95

E. BAKER

E. DAYTON

NORTH

WARREN

INDUSTRIAL AV.

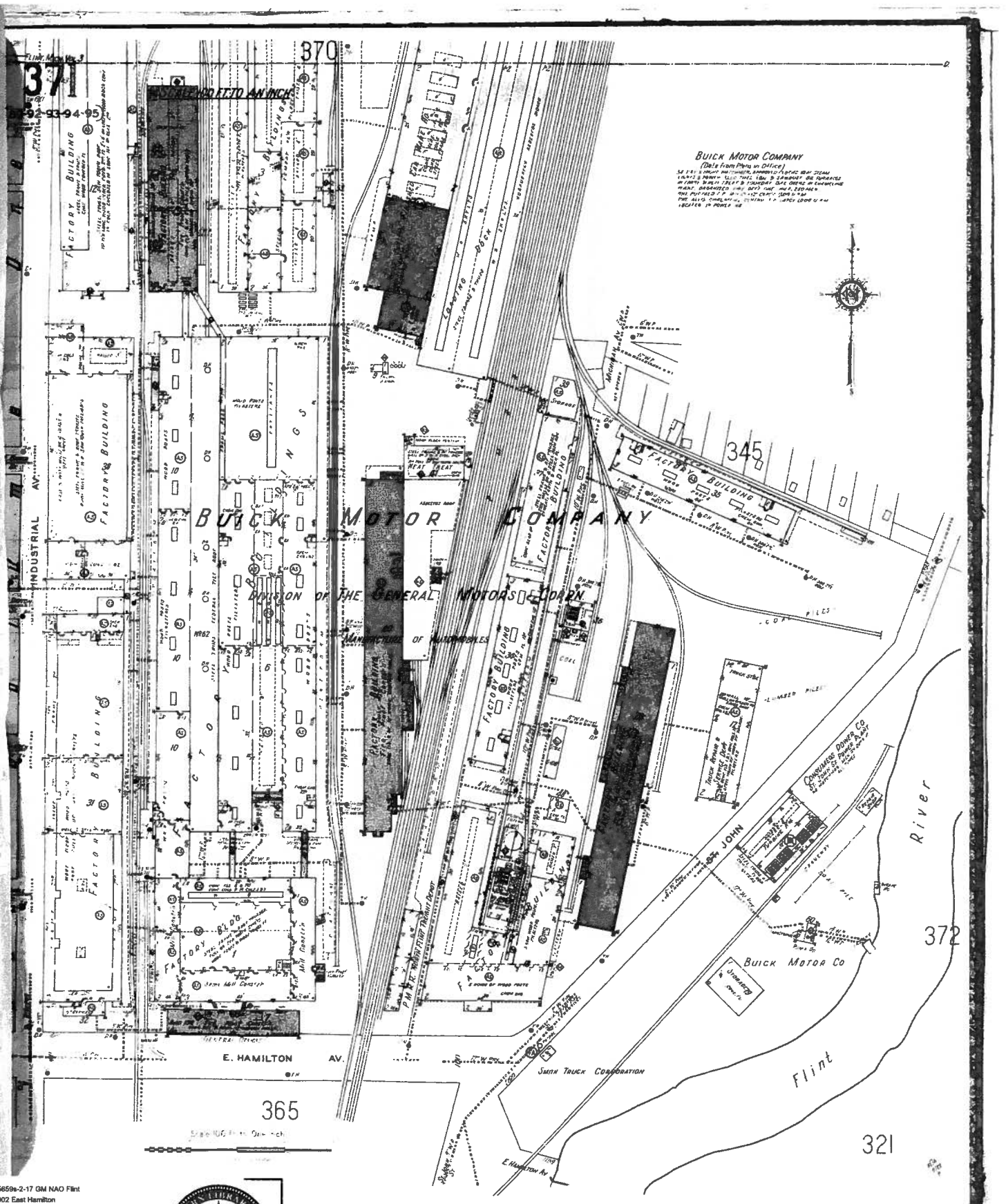
SAGINAW ST.

E. NEWALL

84

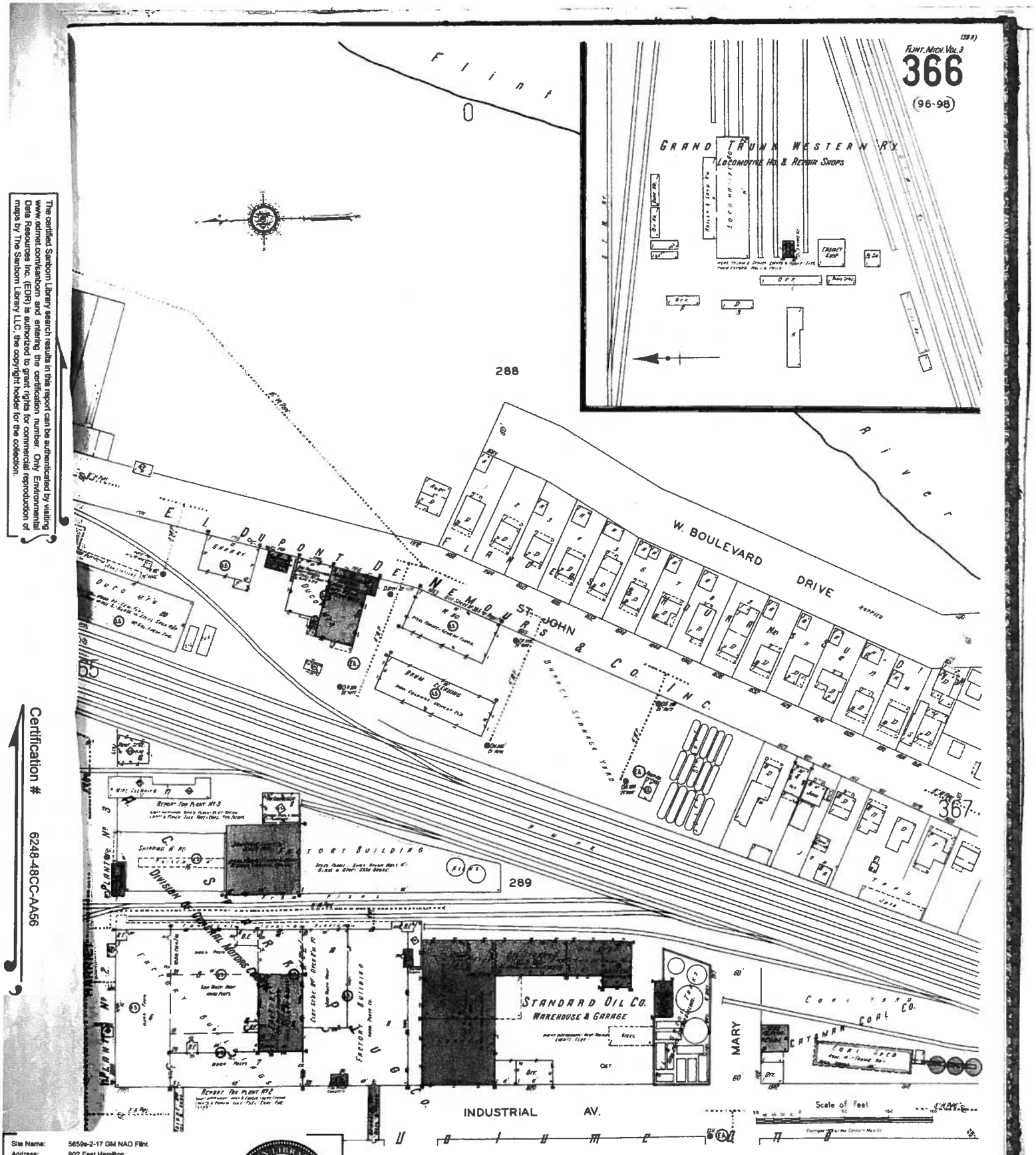
Scale of Feet.

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56



Certification # 6248-48CC-AA56

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56



Certification # 6248-48CC-AA56

Site Name:	5659e-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56

Certification # 3320-42FA-9B9C

Site Name: 5659s-2-17 GM NAO Flint
Address: 902 EAST HAMILTON
City, ST, ZIP: Flint MI 48505

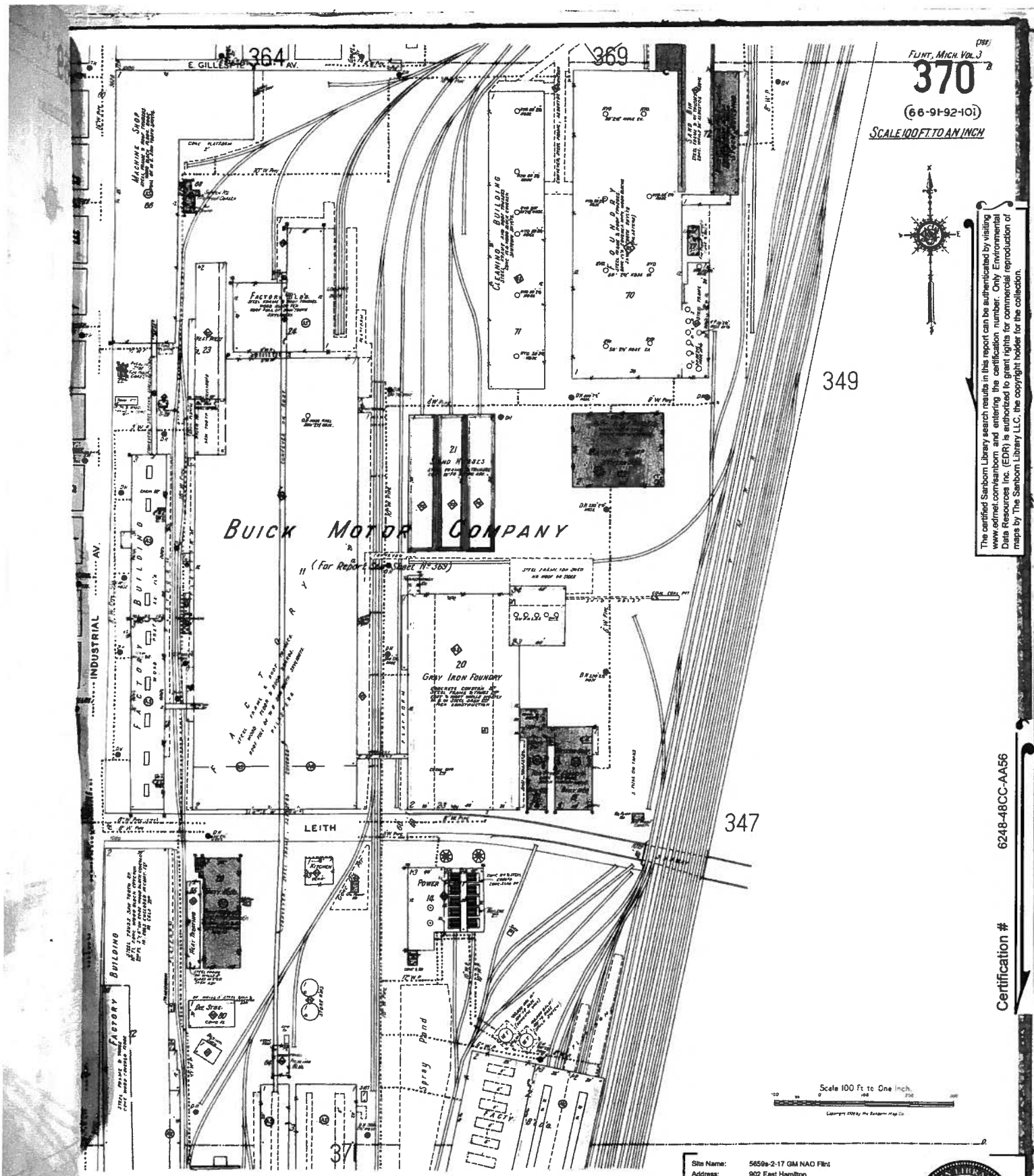
Client: AKT Peerless Environmental Svc
EDR Inquiry: 2204924.1s
Order Date: 4/25/2008 11:29:52 AM
Certification #: 3320-42FA-9B9C

The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 6248-48CC-AA56

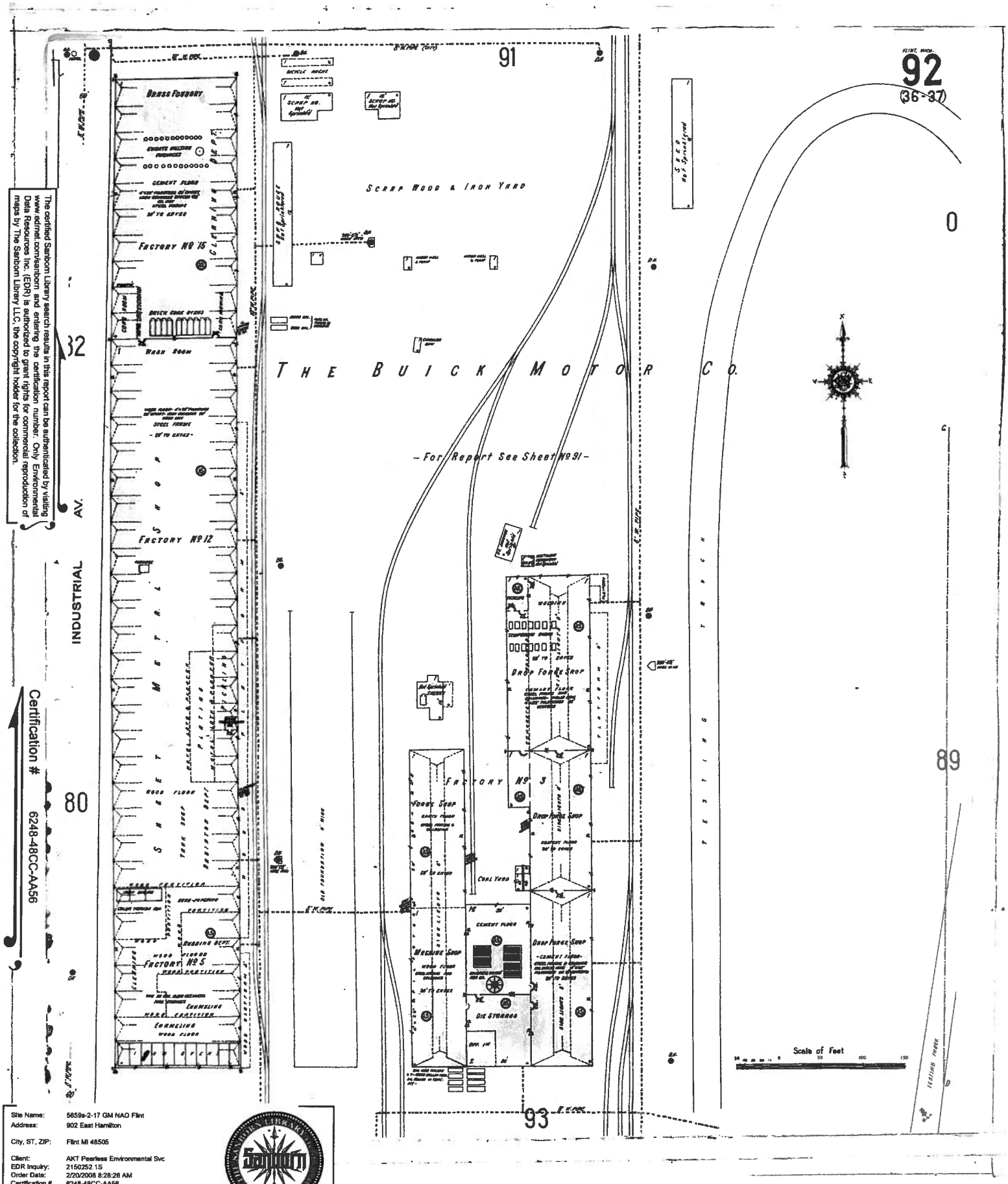
Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56

Copyright: 1928



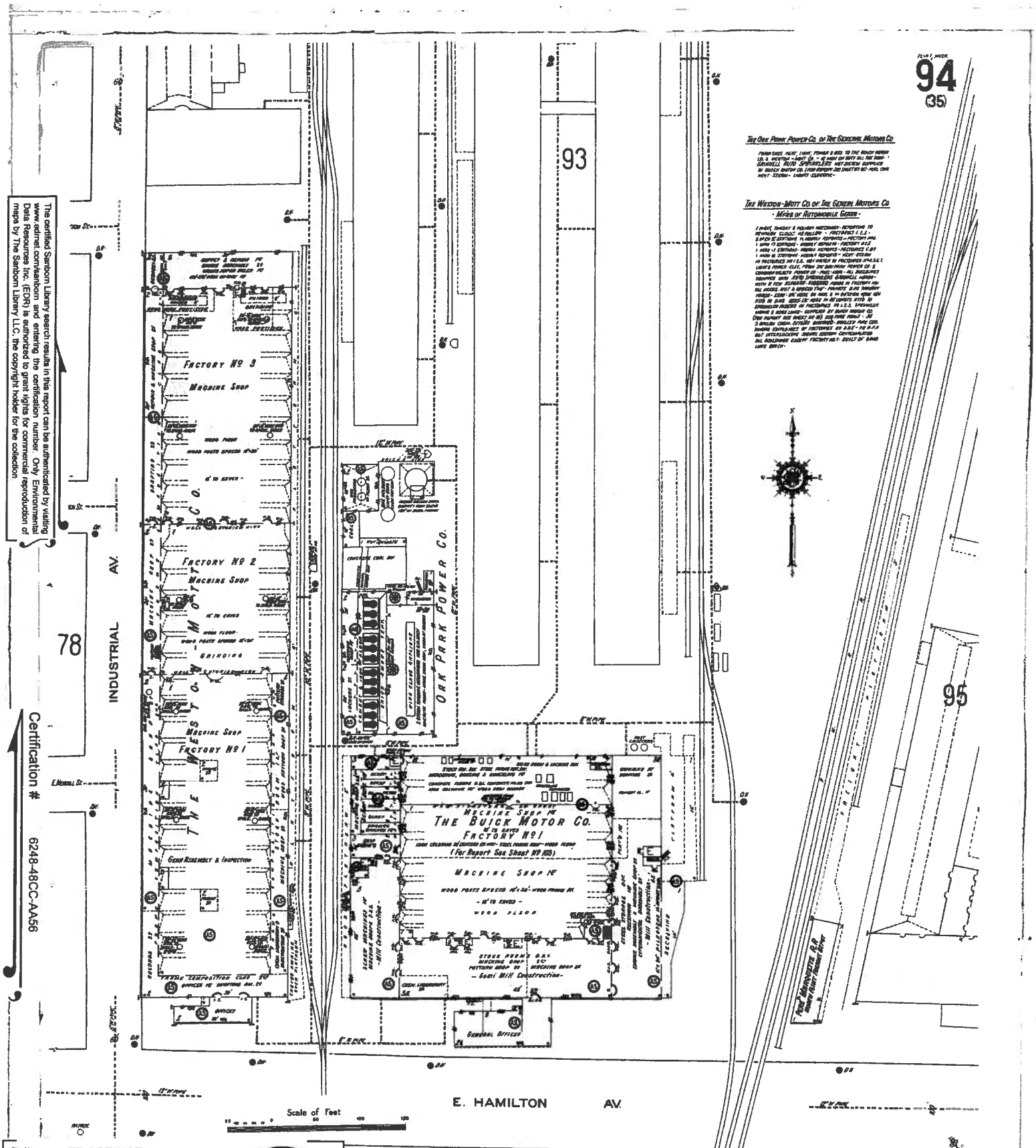
Certification # 6248-48CC-AA56

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56
Copyright:	1928

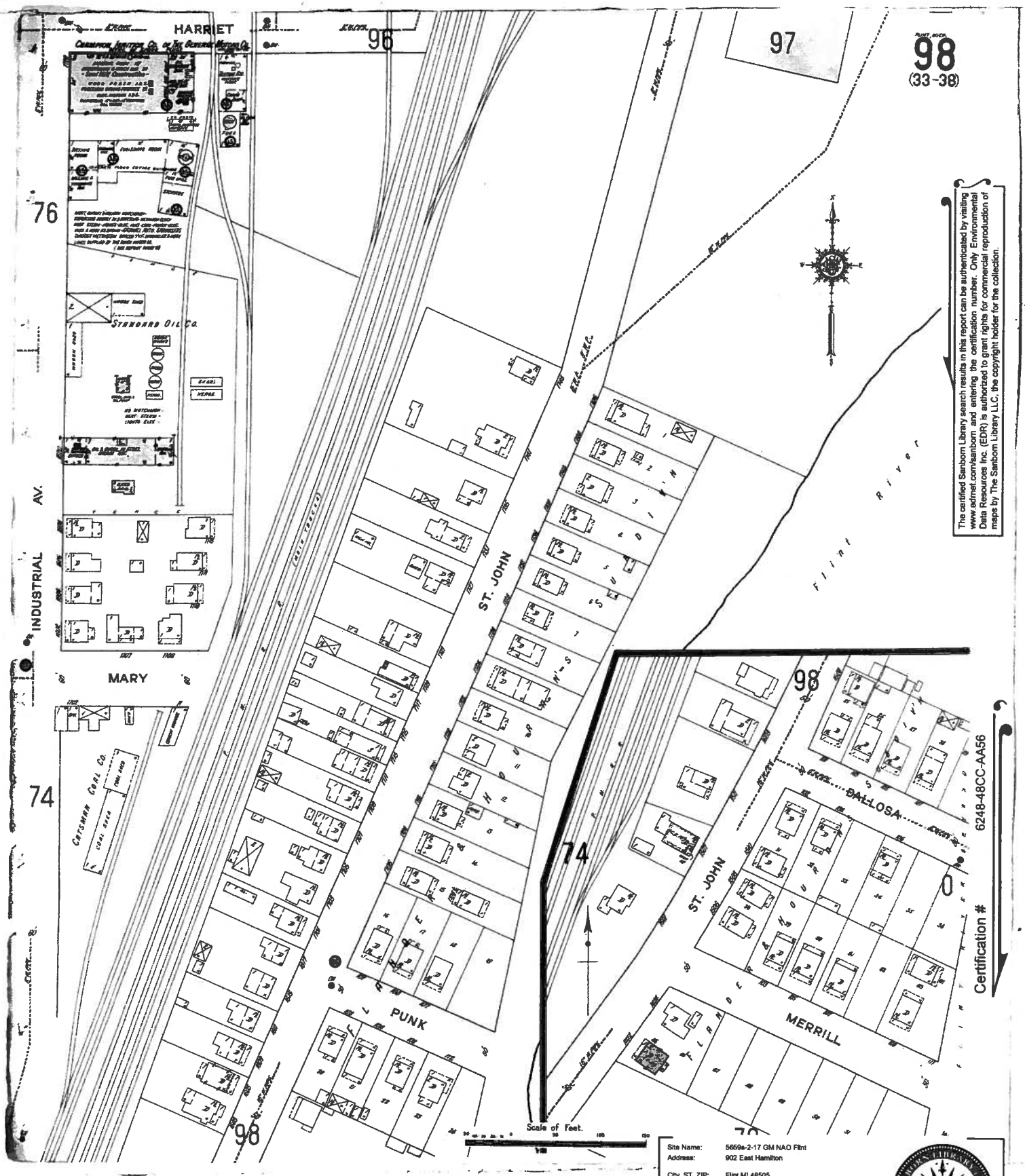


Certification # 6248-48CC-AA56

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2006 8:28:26 AM
Certification #	6248-48CC-AA56

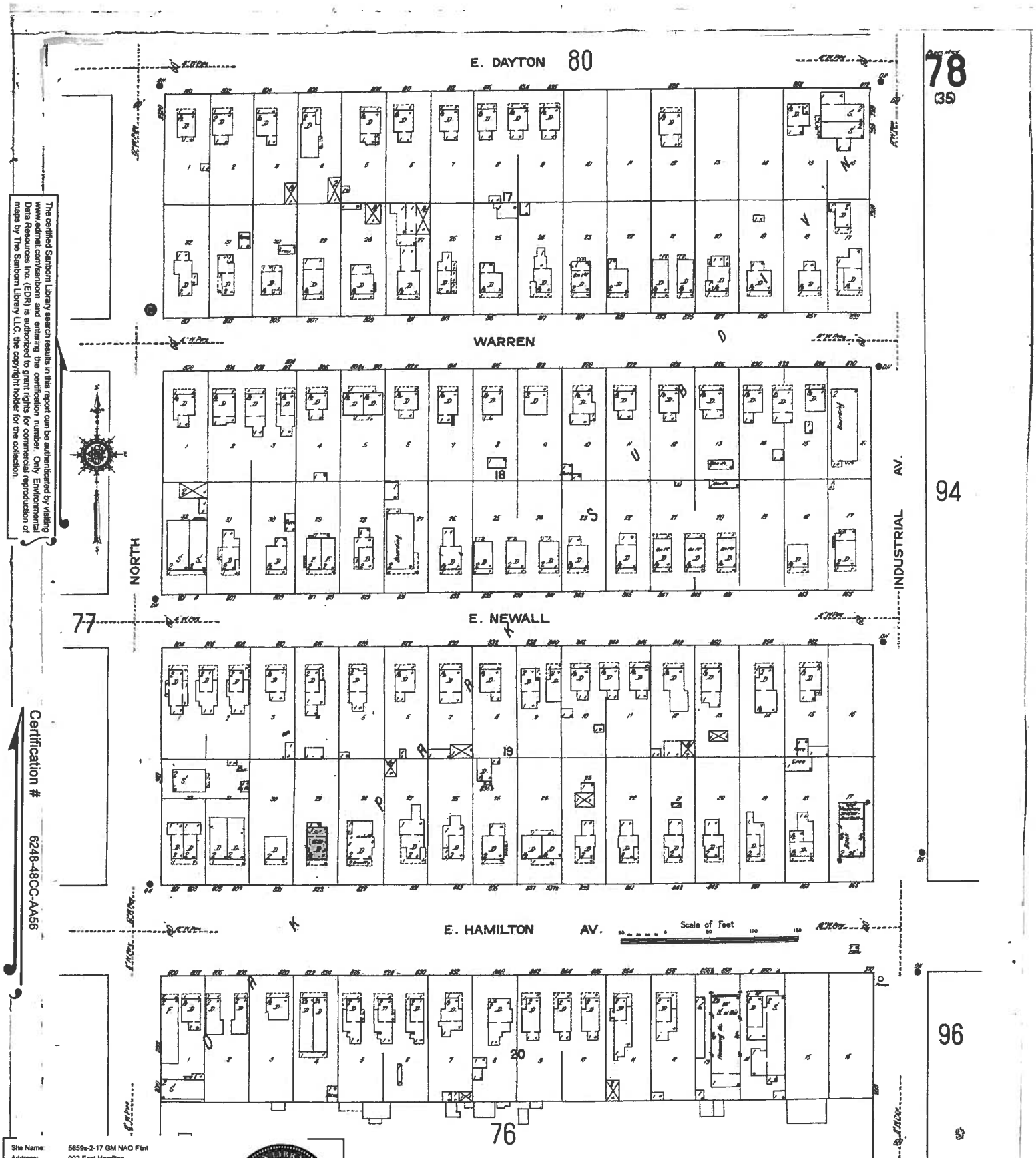


Site Name: 5659s-2-17 GM NAO Flint
Address: 902 East Hamilton
City, ST, ZIP: Flint MI 48505
Client: AKT Peerless Environmental Svc
EDR Inquiry: 2150252.1S
Order Date: 2/20/2008 9:28:26 AM
Certification #: 6248-48CC-AA56



Certification # 6248-48CC-AA56

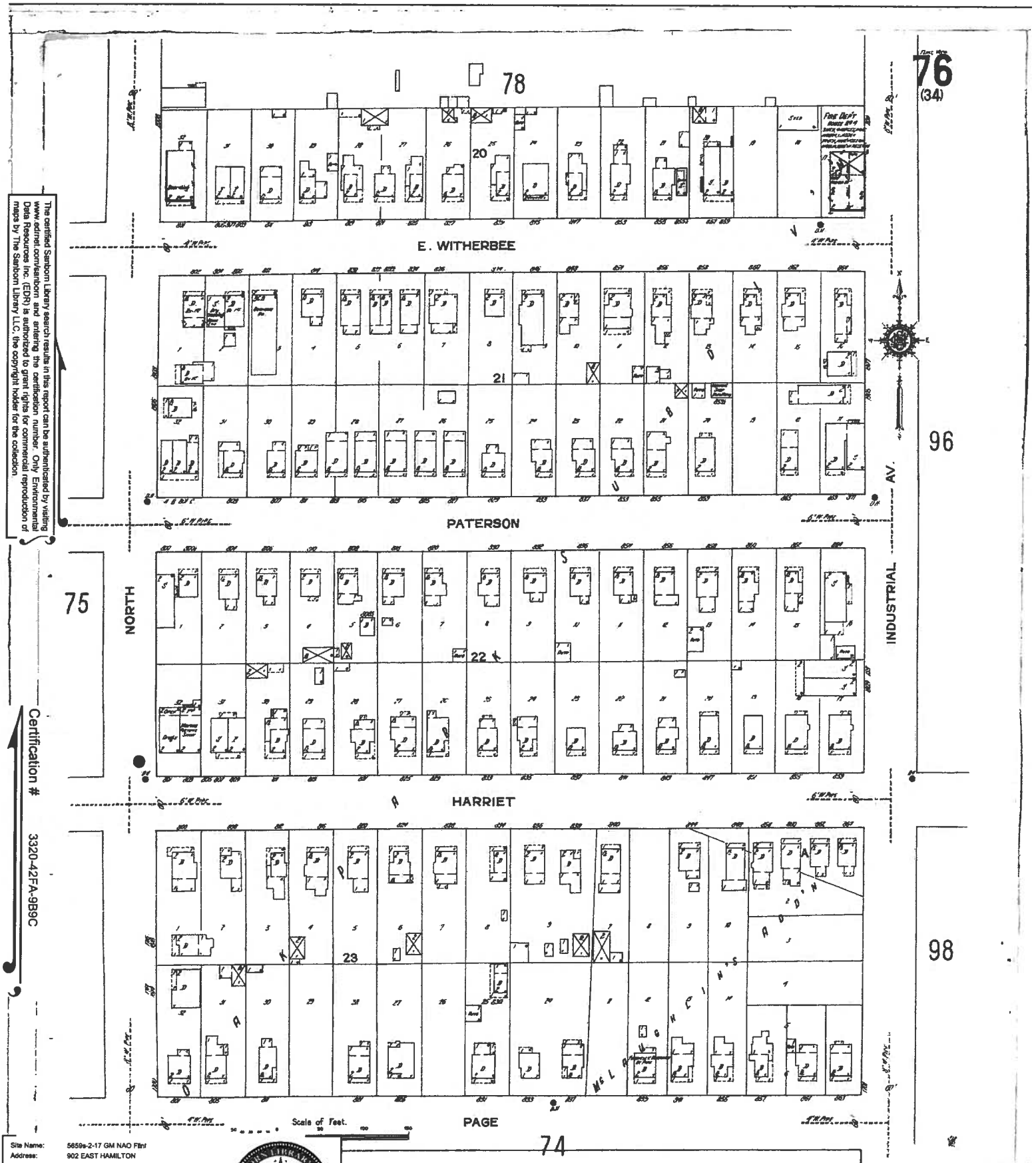
Site Name:	5659e-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:28 AM
Certification #	6248-48CC-AA56



Certification # 6248-48CC-AA56

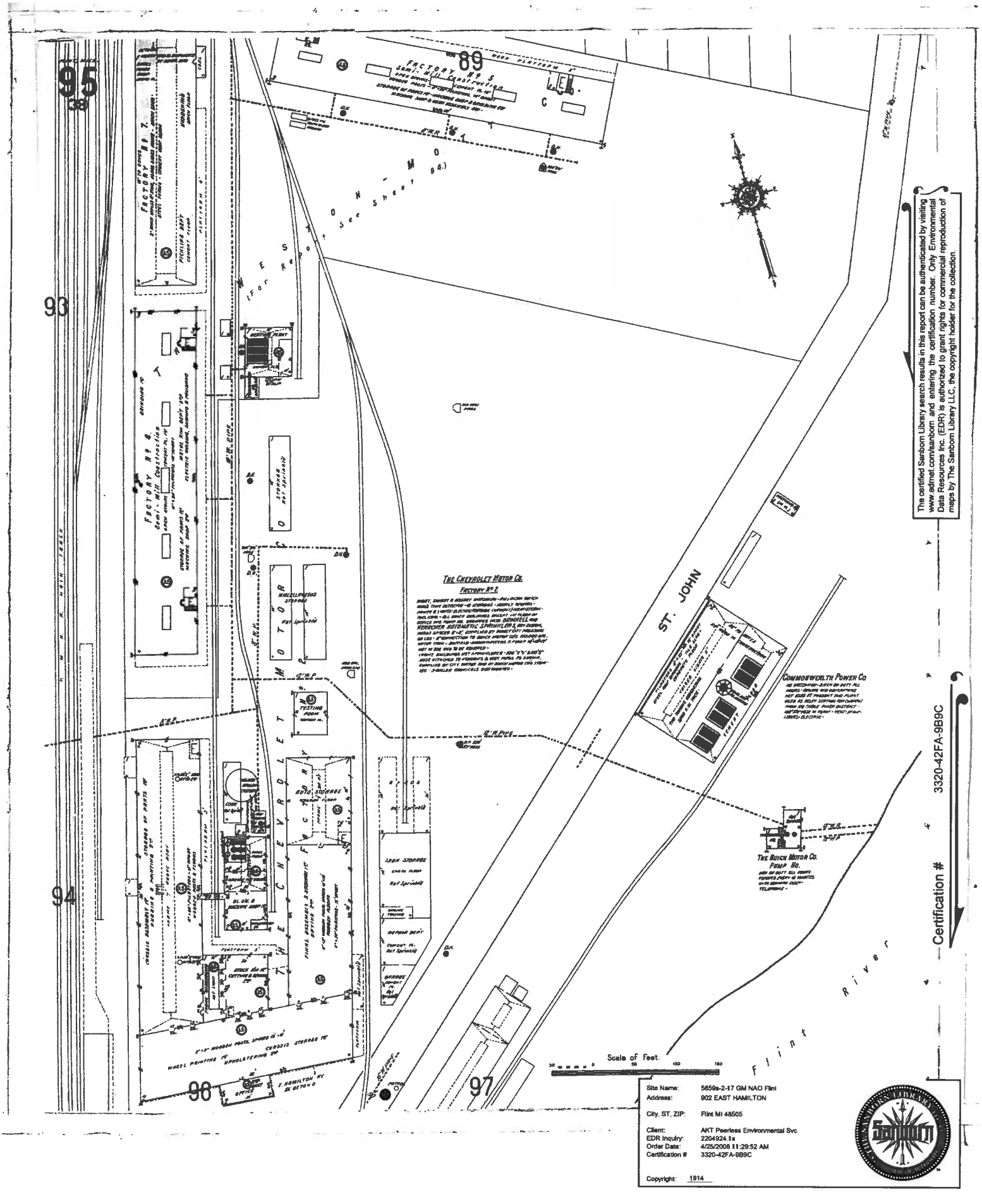
Site Name: 5859s-2-17 GM NAO Flint
Address: 902 East Hamilton
City, ST, ZIP: Flint MI 48505

Client: AKT Peerless Environmental Svc
EDR Inquiry: 2150252.1S
Order Date: 2/20/2008 8:28:26 AM
Certification #: 6248-48CC-AA56

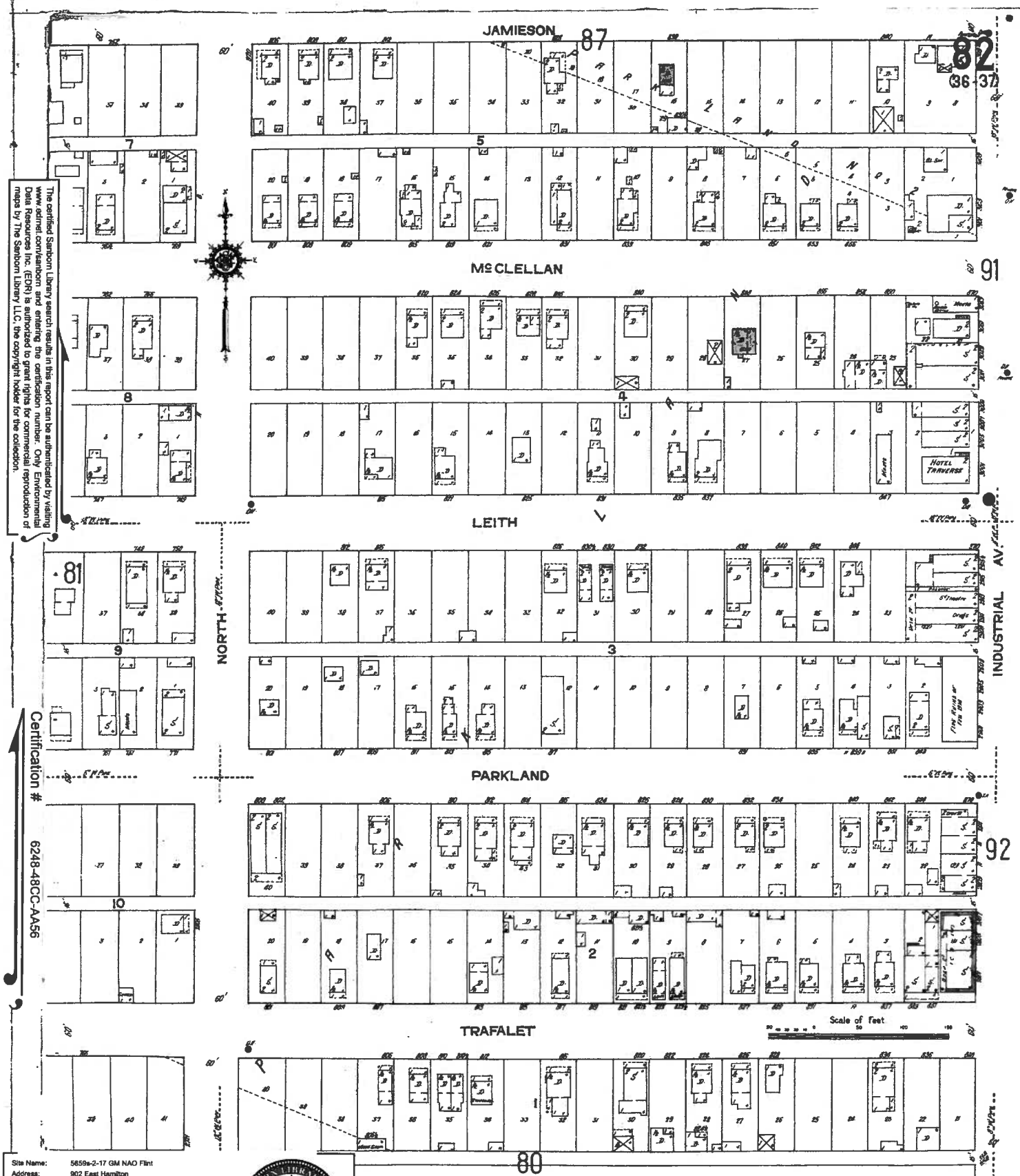


Certification # 3320-42FA-9B9C

Site Name: 5659s-2-17 GM NAO Flint
Address: 902 EAST HAMILTON
City, ST, ZIP: Flint MI 48505
Client: AKT Peerless Environmental Svc
EDR Inquiry: 2204924.1s
Order Date: 4/25/2008 11:29:52 AM
Certification #: 3320-42FA-9B9C

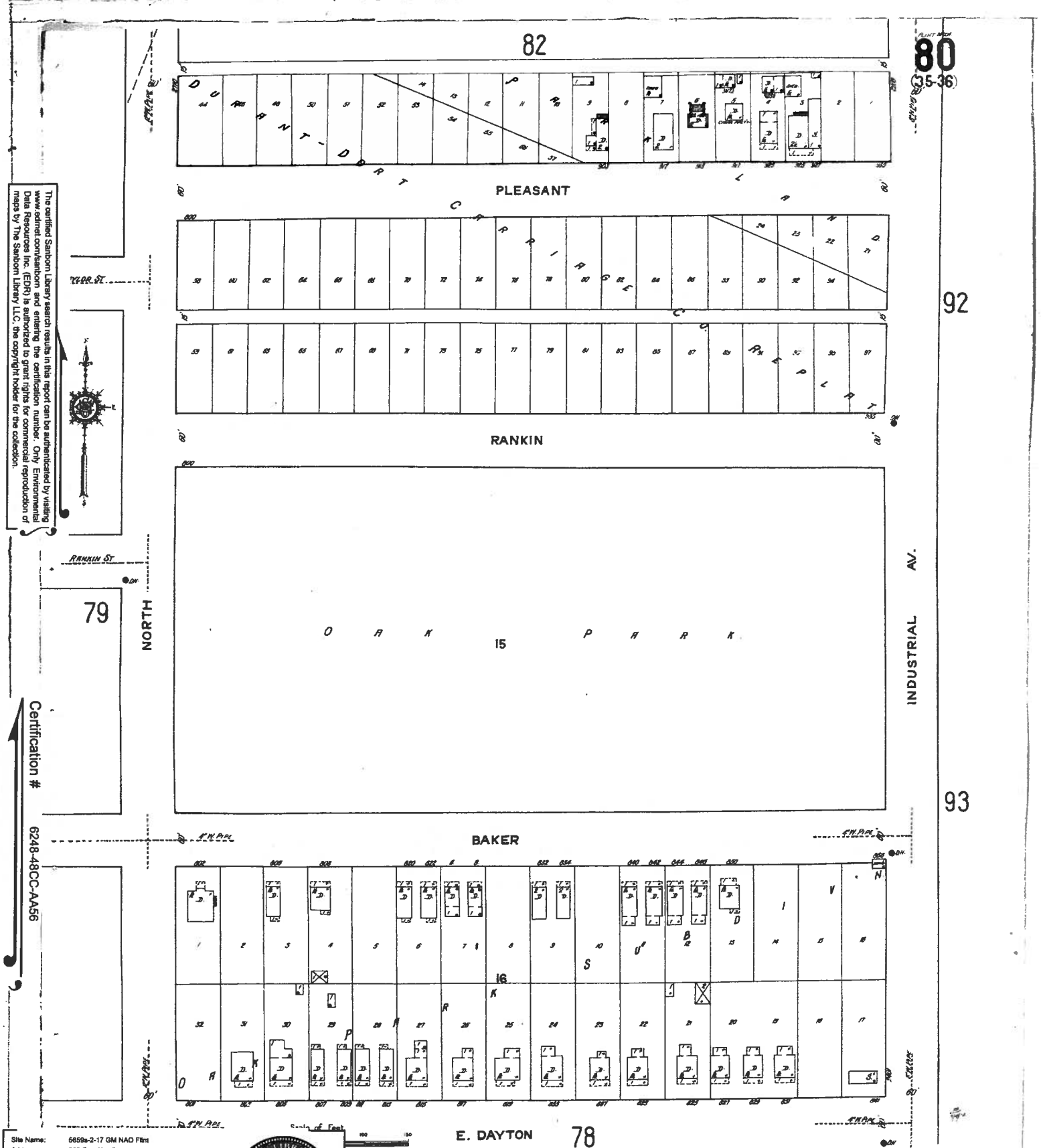


Certification # 3320-42FA-9B9C



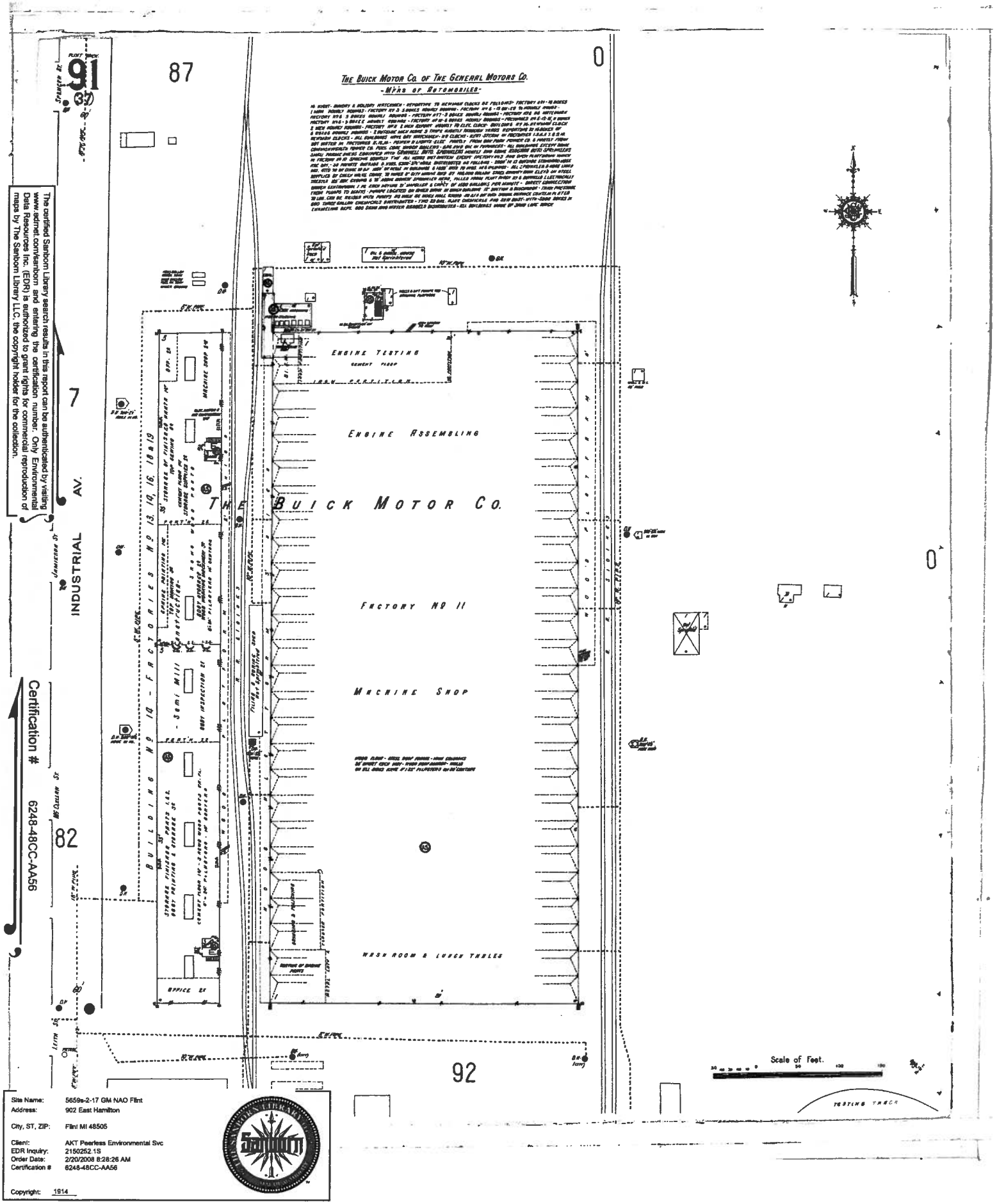
Certification # 6248-48CC-AA56

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56



Site Name: 6659s-2-17 GM NAO Flint
Address: 902 East Hamilton
City, ST, ZIP: Flint MI 48505

Client: AKT Peerless Environmental Svc
EDR Inquiry: 2150252.1S
Order Date: 2/20/2008 8:28:26 AM
Certification #: 6248-48CC-AA56

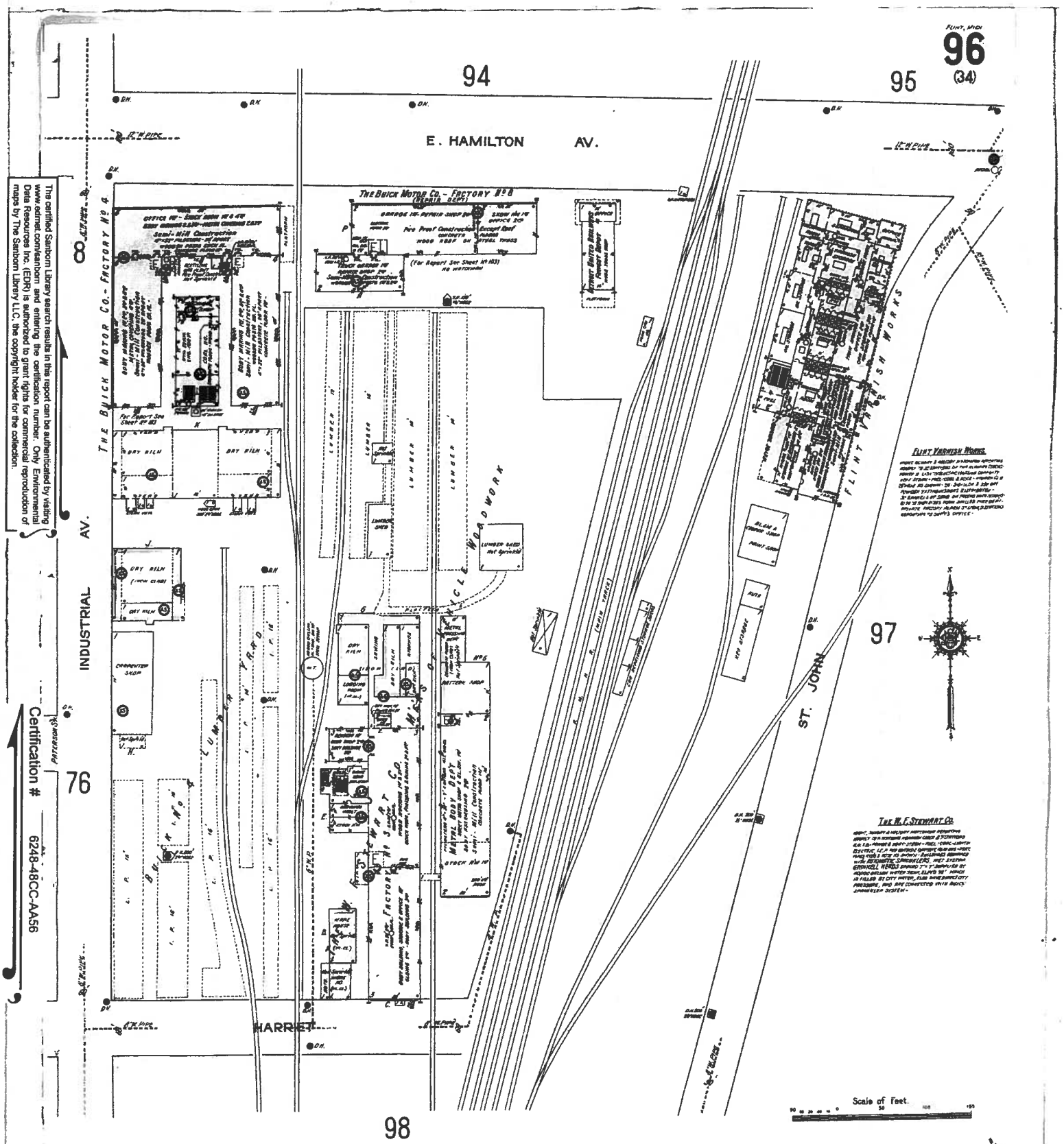


The certified Sanborn Library search results in this report can be authenticated by visiting www.sdimet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 6248-48CC-AA56

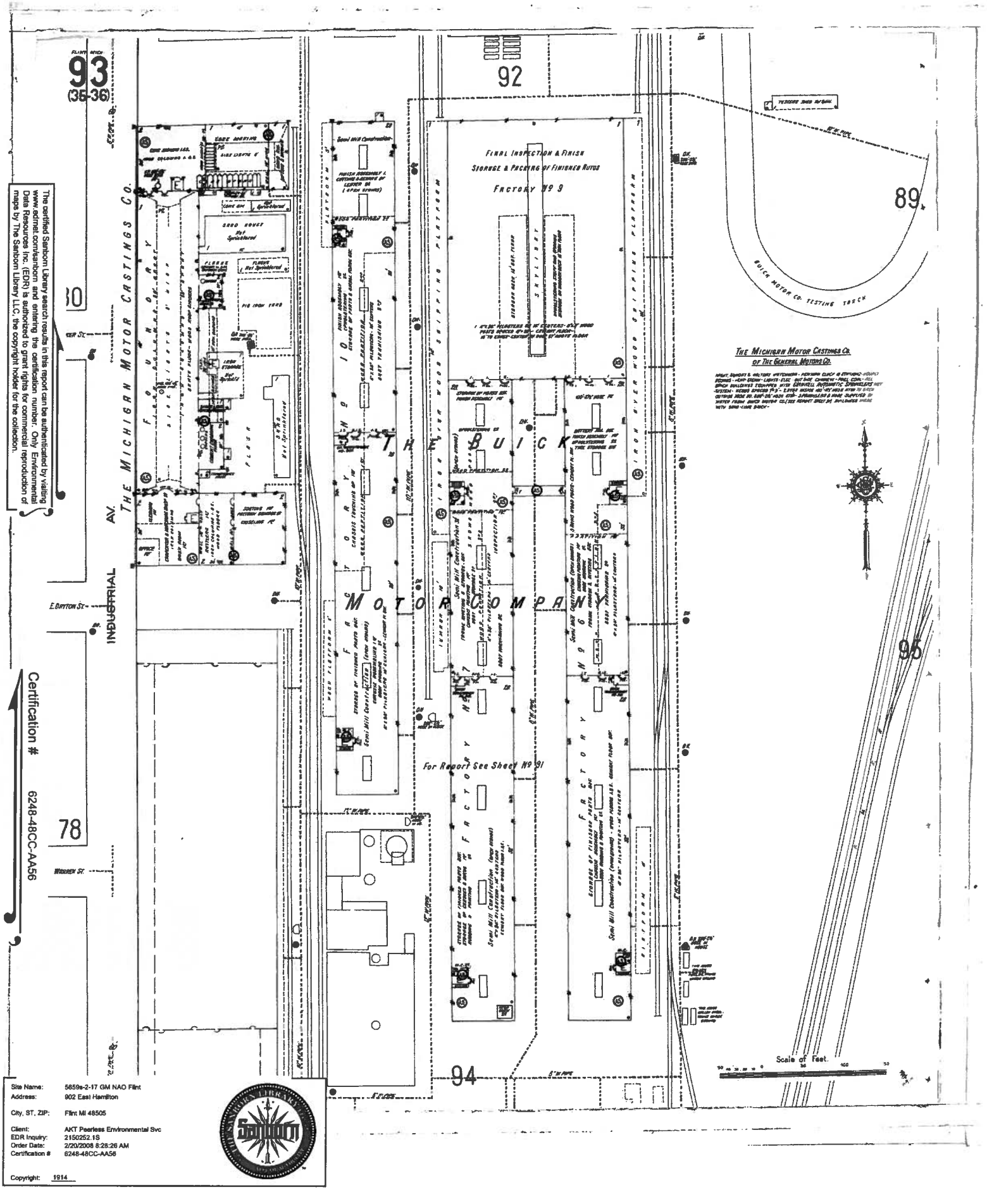
Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56

Copyright: 1914



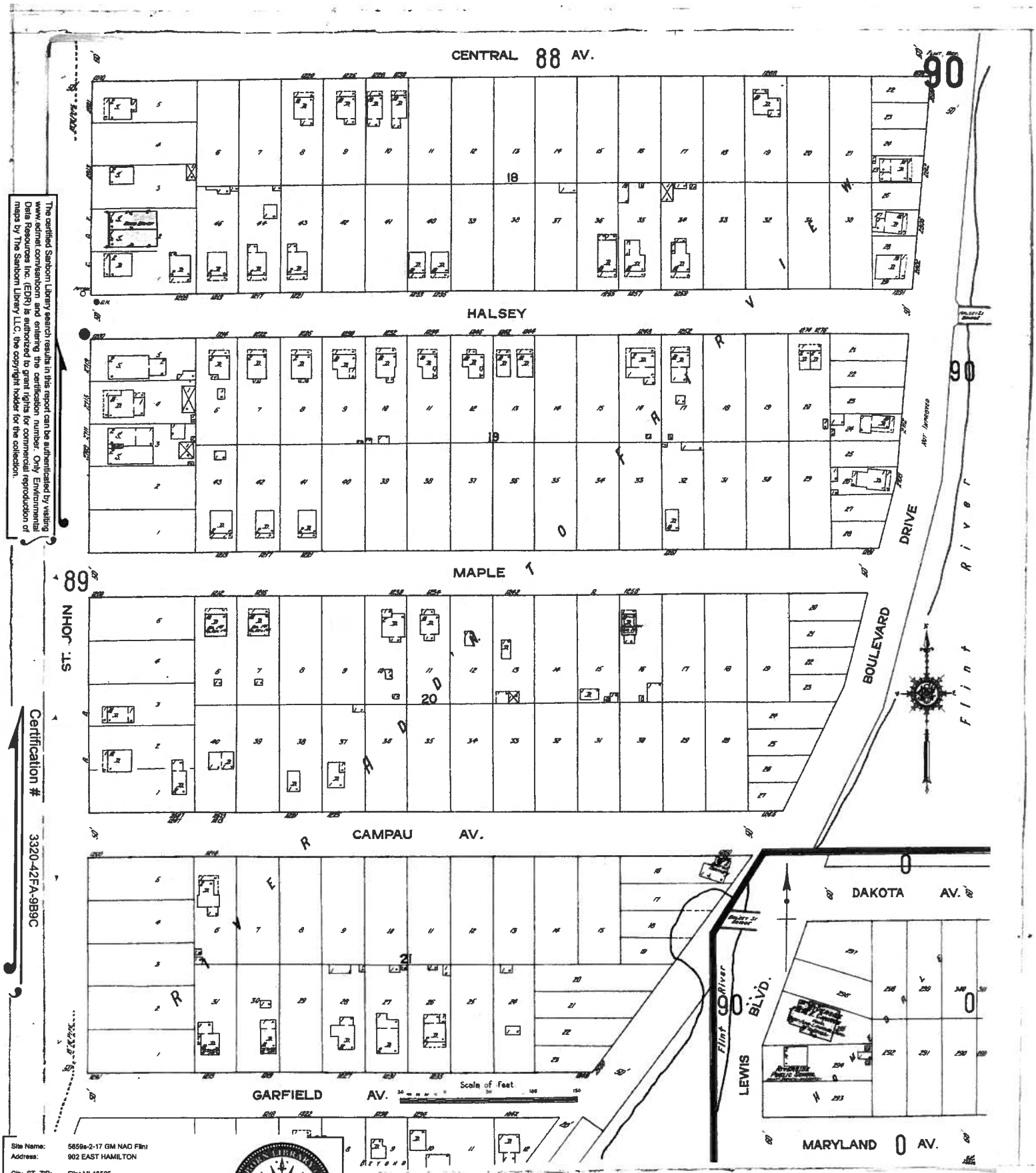
Certification # 6248-48CC-AA56

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56



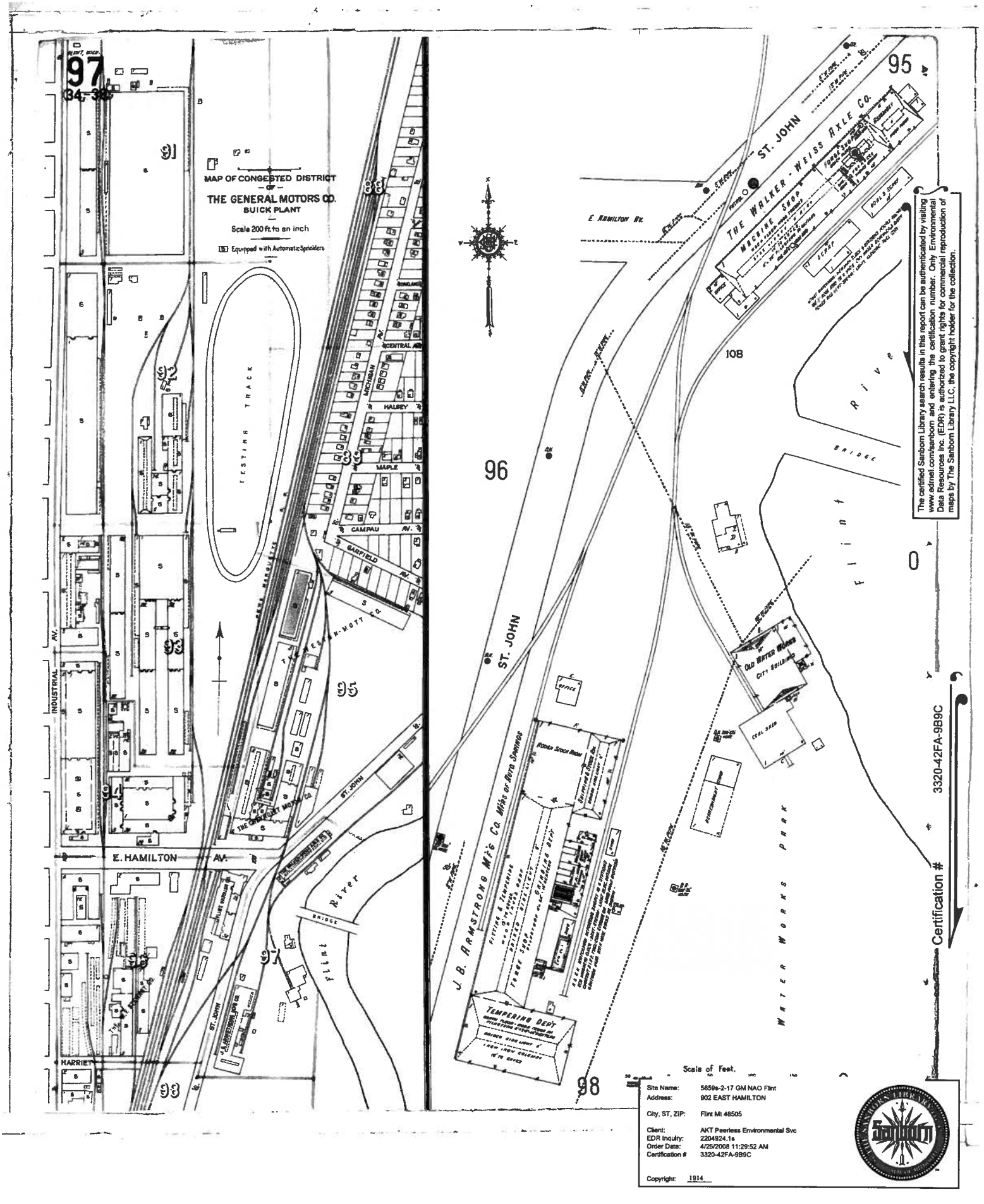
Certification # 6248-48CC-AA56

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56



Certification # 3320-42FA-9B9C

Site Name:	5659a-2-17 GM NAO Flint
Address:	902 EAST HAMILTON
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2204924.1s
Order Date:	4/25/2008 11:29:52 AM
Certification #	3320-42FA-9B9C

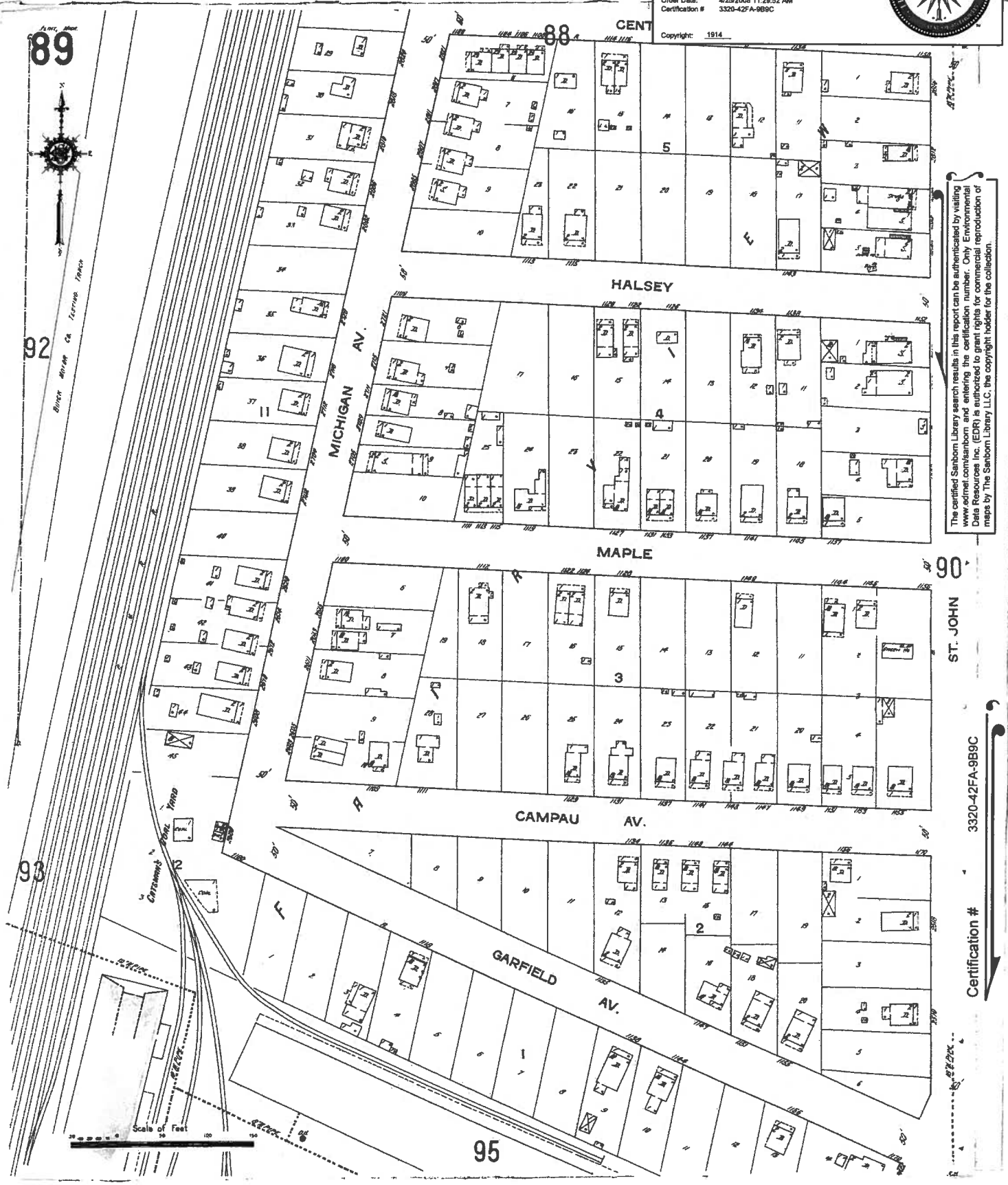


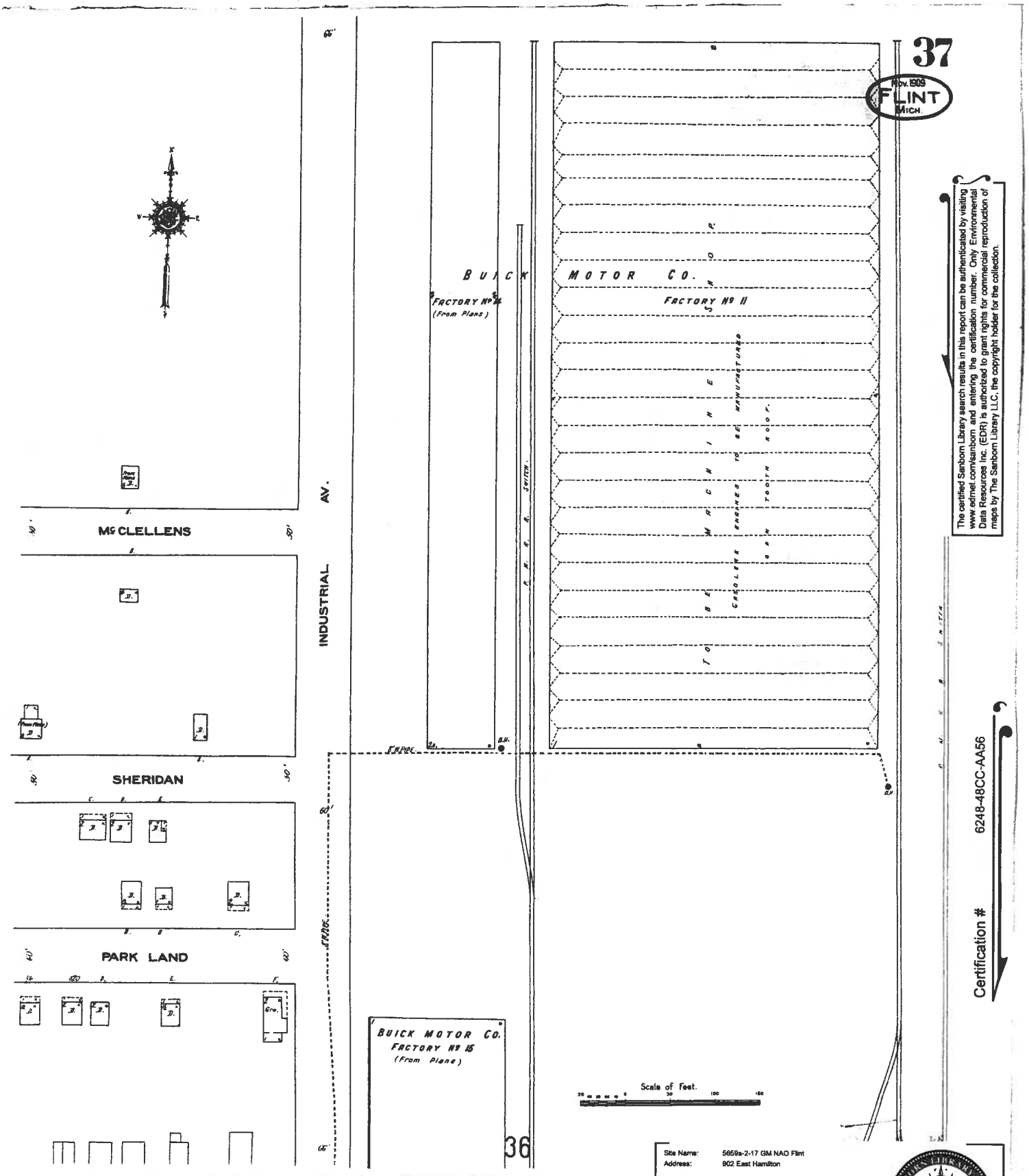
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 3320-42FA-9B9C

Scale of Feet.

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 EAST HAMILTON
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2204924.1s
Order Date:	4/25/2008 11:29:52 AM
Certification #	3320-42FA-9B9C

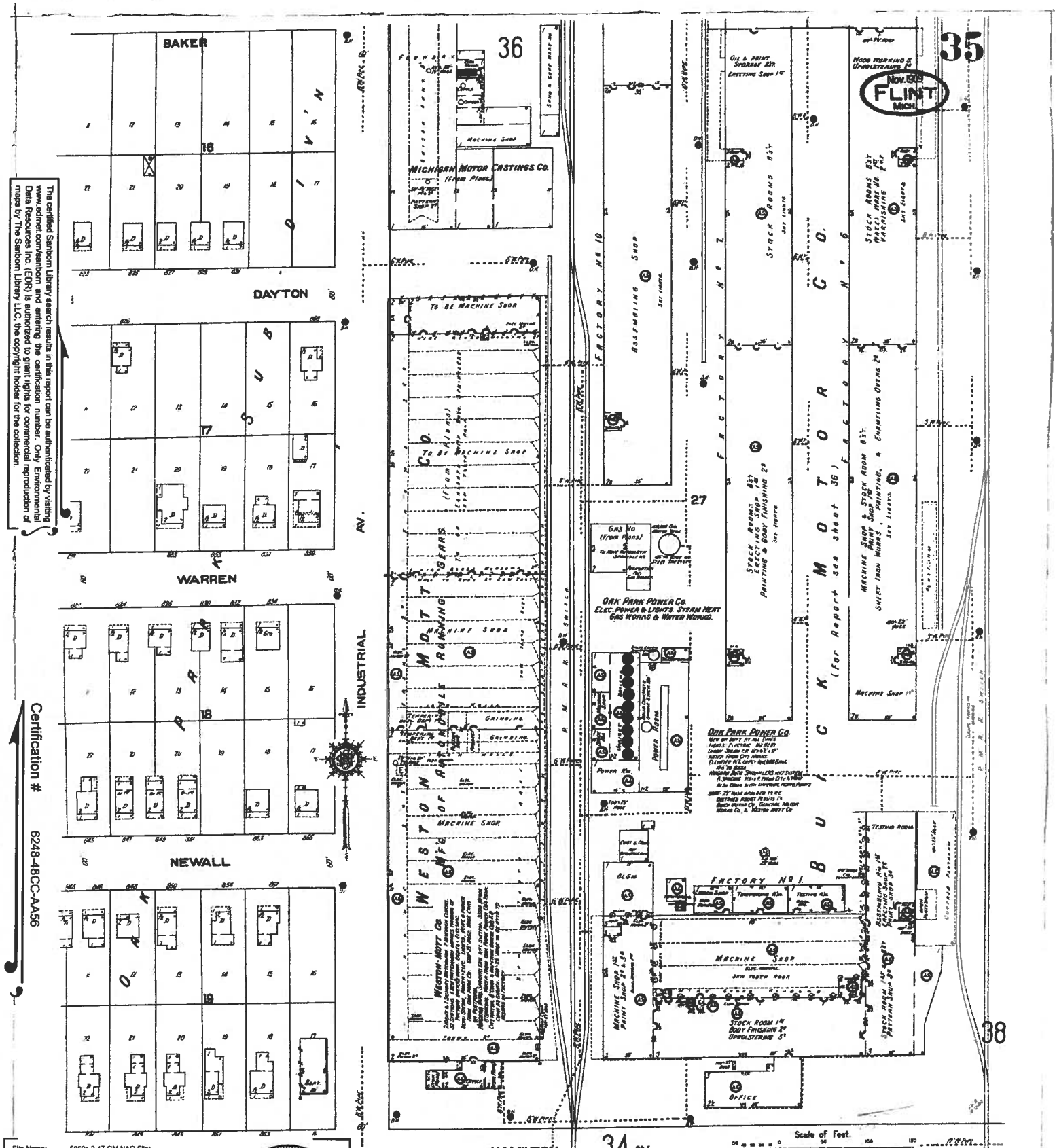

Site Name: 5659s-2-17 GM NAO Flint
Address: 902 EAST HAMILTON
City, ST, ZIP: Flint MI 48505
Client: AKT Peerless Environmental Svc
EDR Inquiry: 2204924.1s
Order Date: 4/25/2008 11:29:52 AM
Certification # 3320-42FA-9B9C
Copyright: 1914
89
88
92
93
95
90
CENT
HALSEY
MAPLE
CAMPAU AV.
MICHIGAN AV.
GARFIELD AV.
ST. JOHN
Scale of Feet
Certification # 3320-42FA-9B9C
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.



Certification # 6248-48CC-AA56

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:26:26 AM
Certification #	6248-48CC-AA56

Copyright: 1909

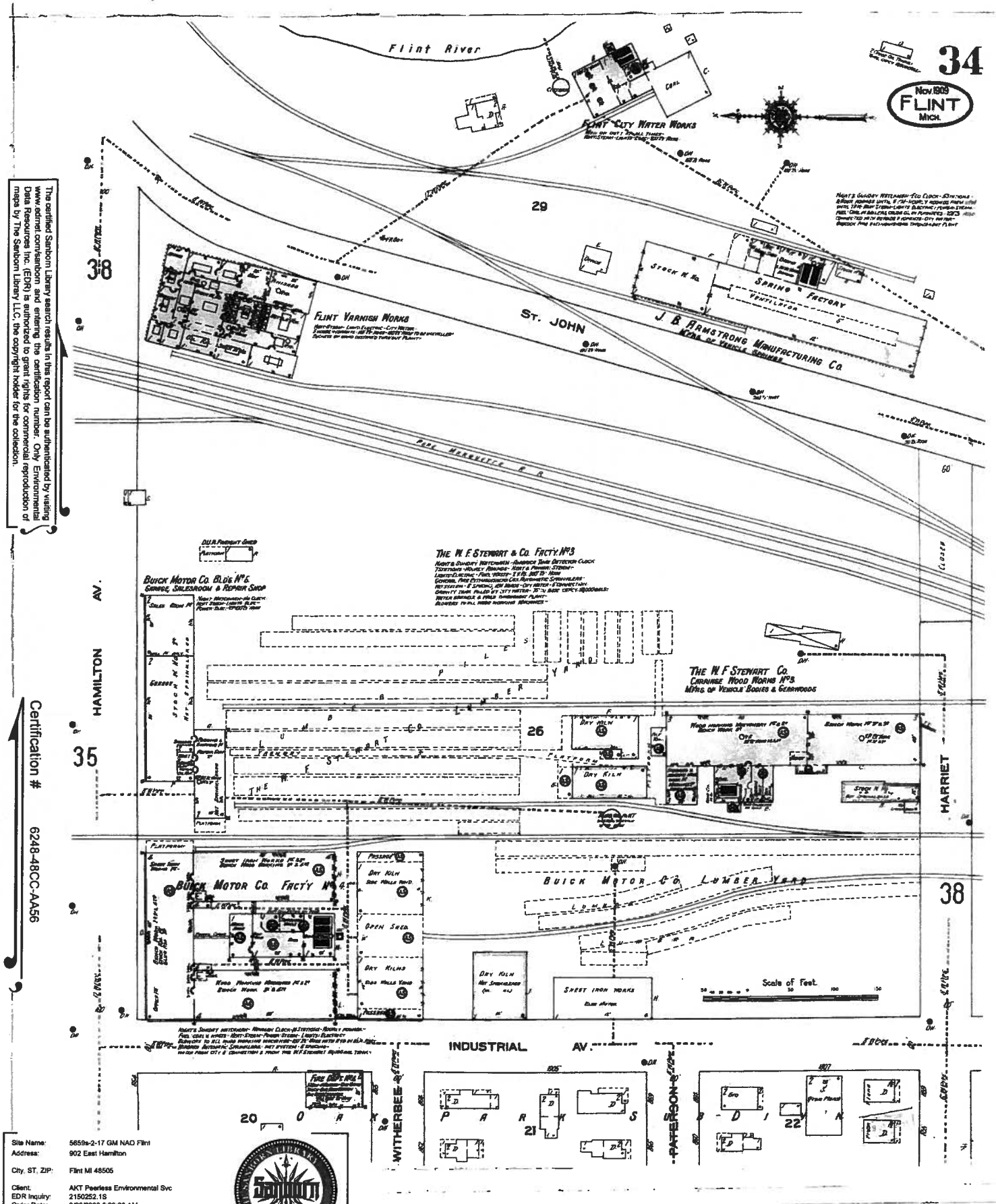


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 6248-48CC-AA56

Site Name:	5859s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56

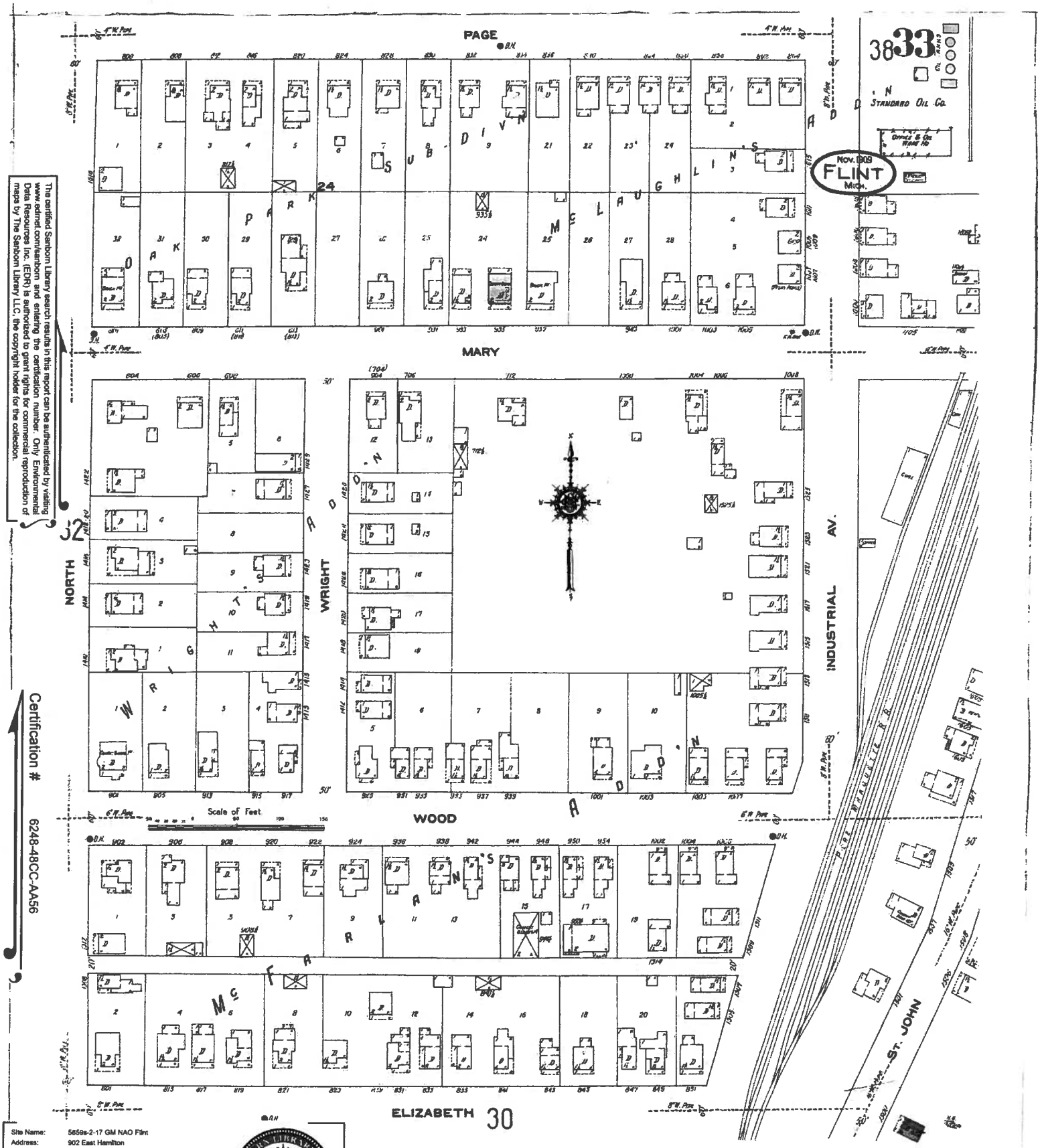
Copyright: 1909



Certification # 6248-48CC-AA56

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56

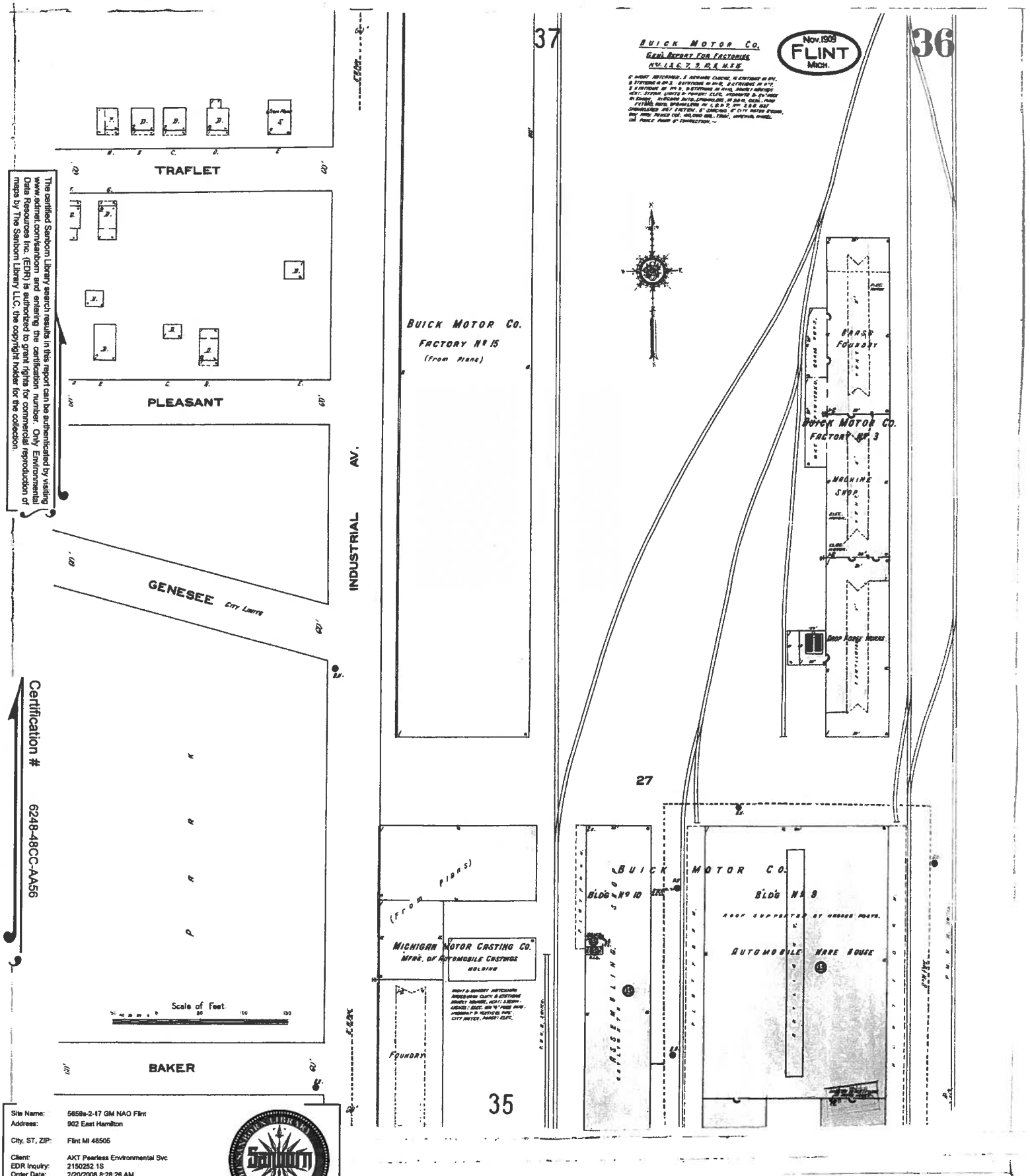
Copyright: 1909



Certification # 6248-48CC-AA56

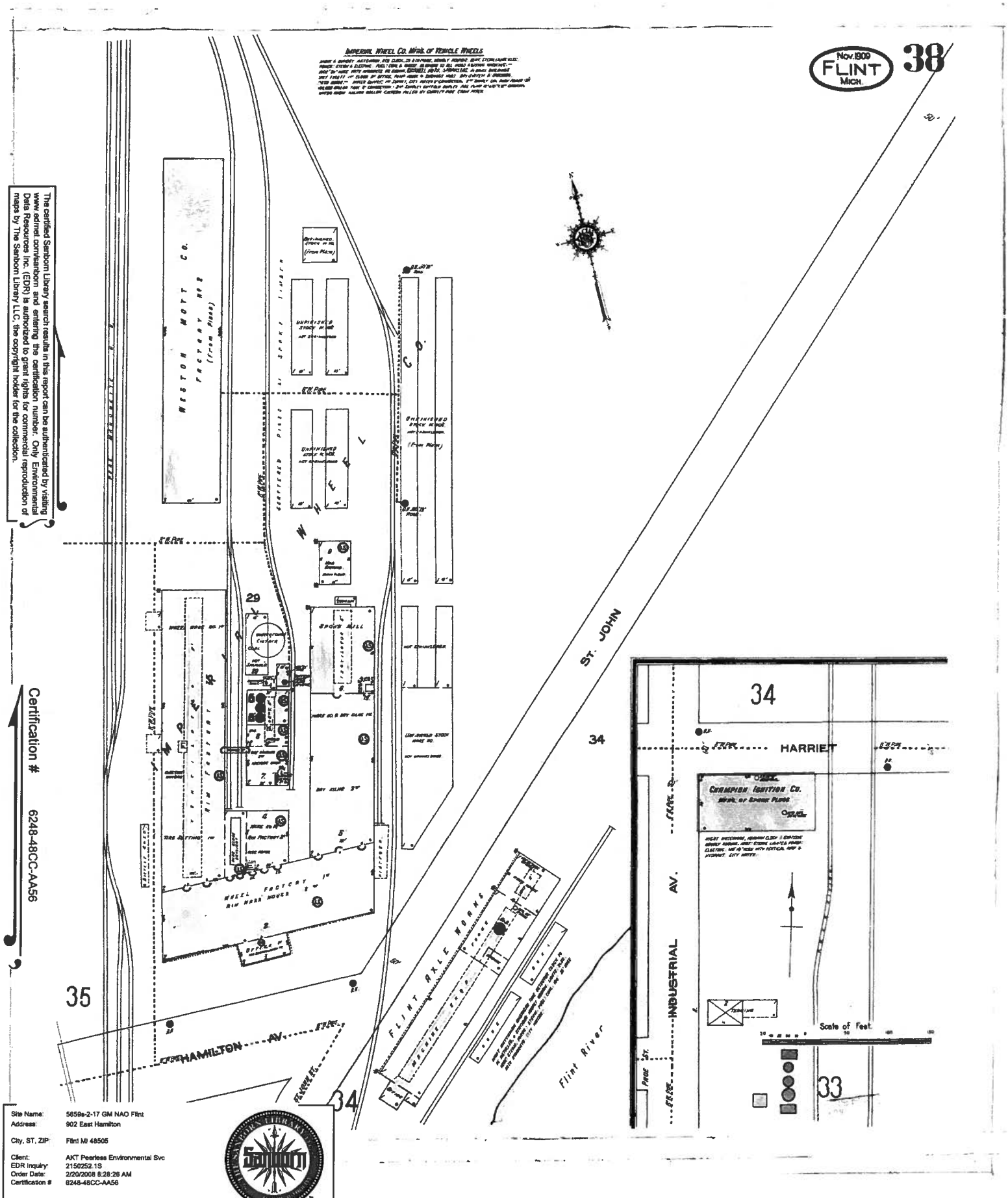
Site Name:	5859s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56

Copyright: 1909



Certification # 6248-48CC-AA56

Site Name:	5659a-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:28 AM
Certification #	6248-48CC-AA56

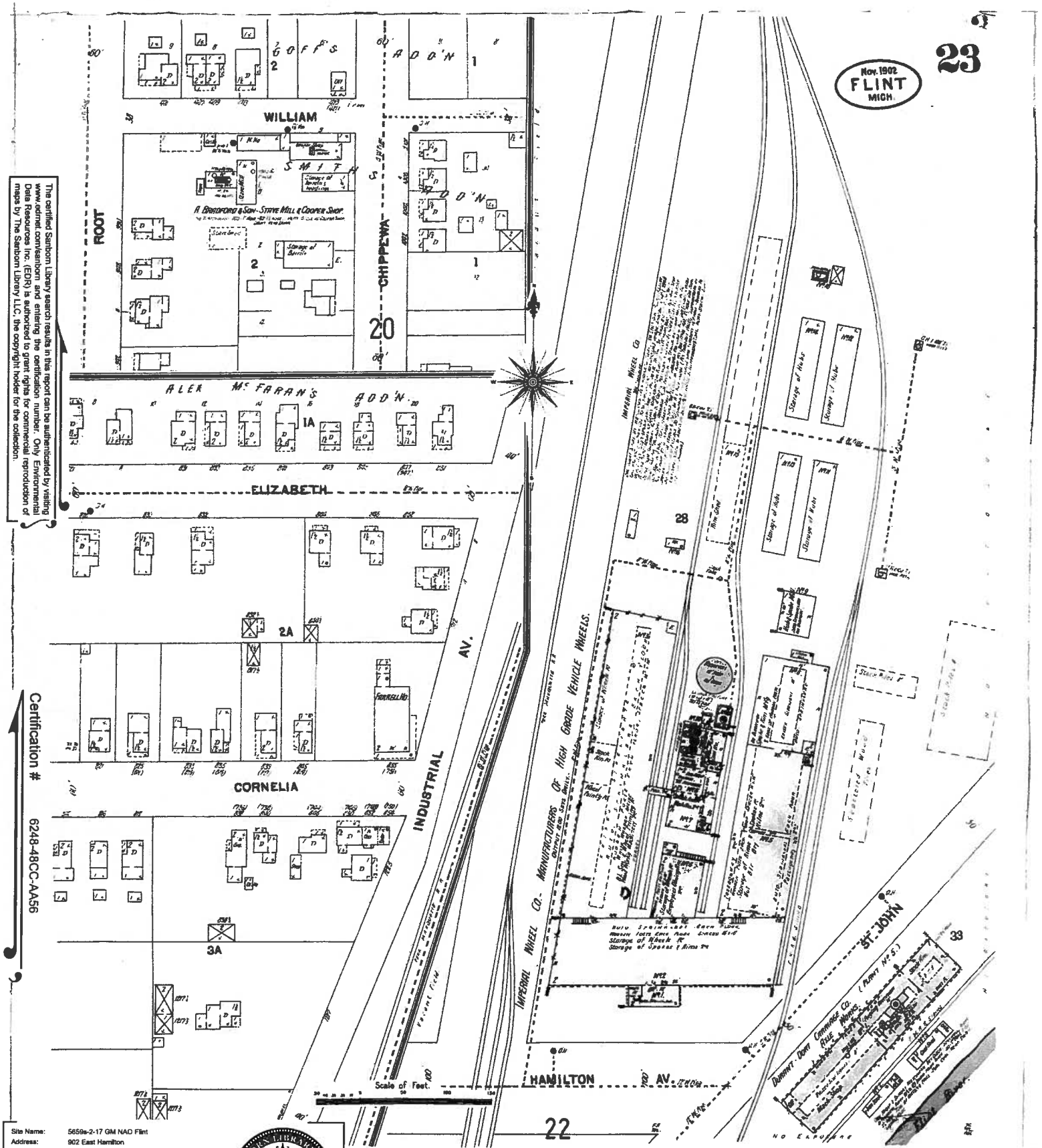


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 6248-48CC-AA56

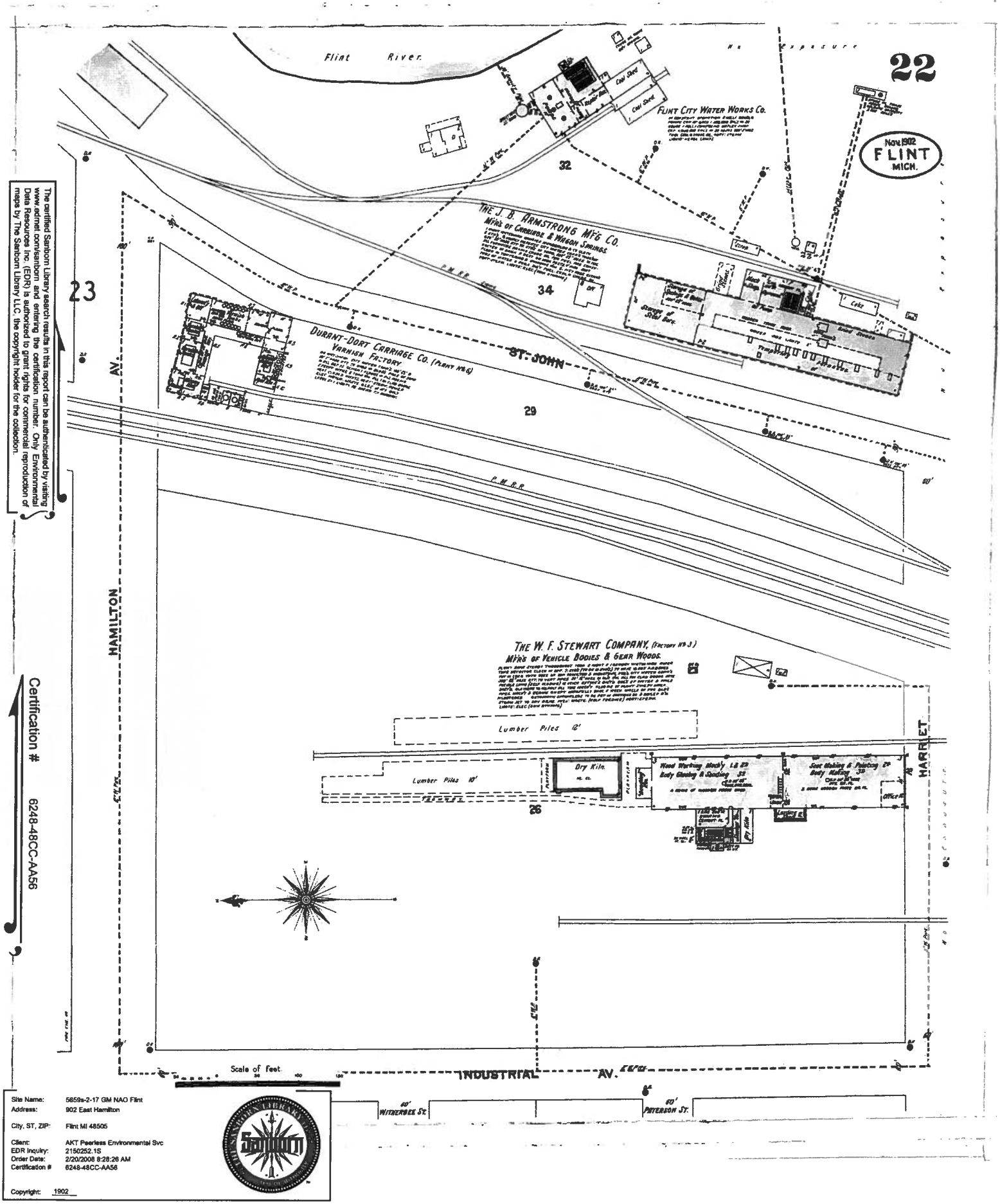
Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56

Copyright: 1909



Certification # 6248-48CC-AA56

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56



Certification # 6248-48CC-AA56

Site Name:	5659s-2-17 GM NAO Flint
Address:	902 East Hamilton
City, ST, ZIP:	Flint MI 48505
Client:	AKT Peerless Environmental Svc
EDR Inquiry:	2150252.1S
Order Date:	2/20/2008 8:28:26 AM
Certification #	6248-48CC-AA56

Copyright: 1902

ATTACHMENT 2

Date Start: 2/14/17
Date Finish: 2/14/17
Drilling Company: Cascade
Driller's Name: Kendall Schultz
Drilling Method: Sonic
Sampling Method: five foot core barrel
Rig Type: Sonic
Water Level Start (ft. bgs.): 14.5
Water Level Finish (ft. btoc.): NA

Northing: NA
Easting: NA
Casing Elevation: NA

Borehole Depth (ft. bgs.): 20.0
Surface Elevation: NA

Descriptions By: Angela DeGrandis

Well/Boring ID: **SB-BD01-1**

Client: RACER Trust

Location: RACER Buick City
Flint, MI

Weather Conditions: Sunny, 33°F

DEPTH (feet bgs.) / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0 / 0									
				0.3			(0.0 - 3.0') CLAY, medium to high plasticity, no dilatancy; little fine to medium sand, subrounded to subangular; trace granules, subangular; moist; soft; brown (10YR 4/3).		
				0.0					
				0.0					
	1	0.0-6.0	6.0				(3.0 - 7.5') CLAY, low to medium plasticity, no dilatancy; and SAND, fine; trace granules, subangular; poorly sorted; moist; soft; brown (10YR 4/3).		
				0.0					
5 / -5				0.0					
				0.0					
				3.0					
	2	6.0-10.0	4.0	0.0			(7.5 - 8.5') CLAY and SILT, medium plasticity, slow dilatancy; little fine to medium sand, subrounded to subangular; moist; medium stiff; gray (10YR 5/1).		
				0.0			(8.5 - 14.5') CLAY, high plasticity, no dilatancy; some silt; trace granules to small pebbles, subangular; stiff to very stiff; dry to moist; gray (10YR 5/1).		
				0.4					
10 / -10									Backfilled with bentonite.
				0.3					
				0.0					
	3	10.0-15.0	5.0	0.5					
				0.0					
				0.0			(14.5 - 15.5') SAND, fine to medium, subrounded to subangular; some clay; trace silt; poorly sorted; wet; gray (10YR 5/1).	▼	
15 / -15							Note: Wet at 14.5' bgs.		
				0.0			(15.5 - 20.0') CLAY, medium to high plasticity, no dilatancy; little silt; trace granules, subangular; dry to moist; very stiff; gray (10YR 5/1).		
				0.0					
	4	15.0-20.0	5.0	0.0					
				0.0					
				0.0					
20 / -20							End of boring 20.0' bgs.		

ARCADIS Design & Consultancy for natural and built assets

Remarks: bgs = below ground surface
btoc = below top of casing
NA = not applicable
Hand auger to 6.0' bgs.
Groundwater observed at 14.5' bgs.

Temporary well screened from 13.0 to 18.0' bgs.

Date Start: 2/15/17
Date Finish: 2/15/17
Drilling Company: Cascade
Driller's Name: Kendall Schultz
Drilling Method: Sonic
Sampling Method: five foot core barrel
Rig Type: Sonic
Water Level Start (ft. bgl.): 16.0
Water Level Finish (ft. btoc.): NA

Northing: NA
Easting: NA
Casing Elevation: NA

Borehole Depth (ft. bgl.): 20.0
Surface Elevation: NA

Descriptions By: Angela DeGrandis

Well/Boring ID: **SB-BD01-2**

Client: RACER Trust

Location: RACER Buick City
Flint, MI

Weather Conditions: Overcast, 28°F

DEPTH (feet bgl.) / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgl.)	Well/Boring Construction
0 / 0									
				0.3			(0.0 - 3.0') CLAY, medium to high plasticity, no dilatancy; little fine to medium sand, subrounded to subangular; trace granules, subangular; moist; soft; brown (10YR 4/3).		
				0.					
				0.0					
	1	0.0-6.0	6.0	0.0			(3.0 - 7.5') CLAY, low to medium plasticity, no dilatancy; and SAND, fine; trace granules, subangular; poorly sorted; moist; soft; brown (10YR 4/3).		
				0.0					
5 / -5				0.0					
				3.0					
				0.0			(7.5 - 8.5') CLAY and SILT, medium plasticity, slow to moderate dilatancy; little fine to medium sand, subrounded to subangular; moist; medium stiff; gray (10YR 5/1).		
	2	6.0-10.0	4.0	0.0			(8.5 - 15.5') CLAY, high plasticity, no dilatancy; some silt; trace granules to small pebbles, subangular; stiff to very stiff; dry to moist; gray (10YR 5/1).		
				0.4					
10 / -10				0.3					Backfilled with bentonite.
				0.0					
	3	10.0-15.0	5.0	0.5					
				0.0					
				0.0					
15 / -15				0.0			(14.5 - 15.5') SAND, fine to medium, subrounded to subangular; some clay; trace silt; poorly sorted; wet; gray (10YR 5/1).	▼	
				0.0			(15.5 - 20.0') CLAY, medium to high plasticity, no dilatancy; little silt; trace granules, subangular; very stiff; dry to moist; gray (10YR 5/1).		
	4	15.0-20.0	4.25	0.0			Note: Wet at 16.0' bgs,		
				0.0					
				0.0					
20 / -20							End of boring 20.0' bgs.		

ARCADIS Design & Consultancy for natural and built assets

Remarks: bgs = below ground surface
btoc = below top of casing
NA = not applicable
Hand auger to 6.0' bgs.
Groundwater observed at 16.0' bgs.

Temporary well screened from 15.0 to 20.0' bgs.

Date Start: 2/15/17
Date Finish: 2/15/17
Drilling Company: Cascade
Driller's Name: Kendall Schultz
Drilling Method: Sonic
Sampling Method: five foot core barrel
Rig Type: Sonic
Water Level Start (ft. bgs.): 5.0
Water Level Finish (ft. btoc.): NA

Northing: NA
Easting: NA
Casing Elevation: NA

Borehole Depth (ft. bgs.): 15.0
Surface Elevation: NA

Descriptions By: Angela DeGrandis

Well/Boring ID: **SB-BD01-3**

Client: RACER Trust

Location: RACER Buick City
Flint, MI

Weather Conditions: Overcast, 28°F

DEPTH (feet bgs.) / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0 / 0									
				0.2			(0.0 - 0.2') ASPHALT.		
				0.1			(0.2 - 6.5') SAND, fine to medium, subrounded to subangular; some coarse, subangular; little granules to small pebbles, subrounded to subangular; poorly sorted; moist to wet; brown (10YR 4/3).		
	1	0.0-6.0	6.0	0.1					
				0.1					
				0.0					
5 / -5				0.0			Note: Wet at 5.0' bgs.	▼	
				0.0			(6.5 - 12.0') CLAY, high plasticity, no to slow dilatancy; little silt; little granules to small pebbles, subrounded to subangular; moist; medium stiff; gray (10YR 5/1).		Backfilled with bentonite.
	2	6.0-10.0	4.0	0.7					
				0.0					
				0.2					
10 / -10				3.5					
				2.2					
	3	10.0-15.0	5.0	1.7			(12.0 - 15.0') SAND, fine; little granules to small pebbles, subangular; trace silt; poorly sorted; dry to moist; yellowish brown (10YR 5/4).		
				1.3					
15 / -15				1.1			End of boring 15.0' bgs.		
20 / -20									

ARCADIS Design & Consultancy for natural and built assets

Remarks: bgs = below ground surface
btoc = below top of casing
NA = not applicable
Hand auger to 6.0' bgs.
Groundwater observed at 5.0' bgs.

Date Start: 2/16/17
Date Finish: 2/16/17
Drilling Company: Cascade
Driller's Name: Kendall Schultz
Drilling Method: Sonic
Sampling Method: five foot core barrel
Rig Type: Sonic
Water Level Start (ft. bgs.): 6.0
Water Level Finish (ft. btoc.): NA

Northing: NA
Easting: NA
Casing Elevation: NA

Borehole Depth (ft. bgs.): 15.0
Surface Elevation: NA

Descriptions By: Angela DeGrandis

Well/Boring ID: **SB-BD01-4**

Client: RACER Trust

Location: RACER Buick City
Flint, MI

Weather Conditions: Sunny, 23°F

DEPTH (feet bgs.) / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0 / 0									
	1	0.0-6.0	6.0	0.0 0.0 0.0 0.0 0.0 0.0			(0.0 - 2.0') SAND, fine to medium, subrounded to subangular; and PEBBLES, small to medium, subrounded; trace silt; poorly sorted; moist; yellowish brown (10YR 5/6). (2.0 - 7.5') SAND, fine to medium, subrounded to subangular; trace granules, subrounded; well sorted; moist to wet; yellowish brown (10YR 5/6). Note: Wet at 6.0' bgs.		
5 / -5									
	2	6.0-10.0	4.0	0.0 0.0 5.5 9.7			(7.5 - 12.0') CLAY, medium to high plasticity, slow dilatancy; little fine to medium sand, subrounded to subangular; trace granules, subrounded to subangular; moist; medium stiff; gray (10YR 5/1).		Backfilled with bentonite.
10 / -10									
	3	10.0-15.0	5.0	13.4 4.2 8.2 31.1 28.5			(12.0 - 15.0') SAND, fine; little granules to medium pebbles, subrounded; trace silt; poorly sorted; dry; pale brown (10YR 6/3).		
15 / -15							End of boring 15.0' bgs.		
20 / -20									

ARCADIS Design & Consultancy for natural and built assets

Remarks: bgs = below ground surface
btoc = below top of casing
NA = not applicable
Hand auger to 6.0' bgs.
Groundwater observed at 6.0' bgs.

Temporary well screened 5.0 to 10.0' bgs.

Date Start: 2/14/17
Date Finish: 2/14/17
Drilling Company: Cascade
Driller's Name: Kendall Schultz
Drilling Method: Sonic
Sampling Method: five foot core barrel
Rig Type: Sonic
Water Level Start (ft. bgs.): 11.0
Water Level Finish (ft. btoc.): NA

Northing: NA
Easting: NA
Casing Elevation: NA

Borehole Depth (ft. bgs.): 15.0
Surface Elevation: NA

Descriptions By: Angela DeGrandis

Well/Boring ID: **SB-BD01-5**

Client: RACER Trust

Location: RACER Buick City
Flint, MI

Weather Conditions: Sunny, 44°F

DEPTH (feet bgs.) / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0 / 0	1	0.0-6.0	6.0	0.0 0.0 0.0 0.0 0.0 0.0			(0.0 - 11.0') SAND, fine to medium, subrounded to subangular; trace granules, subrounded; trace silt; poorly sorted; moist; yellowish brown (10YR 5/4).		Backfilled with bentonite.
5 / -5	2	6.0-10.0	2.1	0.0 0.0 0.0 0.0					
10 / -10	3	10.0-15.0	3.75	0.0 0.0 0.0 0.0 4.2			(11.0 - 13.5') SAND, fine; trace silt; well sorted; wet; yellowish brown (10YR 5/4). Note: Wet at 11.0' bgs. (13.5 - 15.0') SAND, fine to medium, subrounded to subangular; well sorted; wet; yellowish brown (10YR 5/4).	▼	
15 / -15							End of boring 15.0' bgs.		
20 / -20									

ARCADIS Design & Consultancy for natural and built assets

Remarks: bgs = below ground surface
btoc = below top of casing
NA = not applicable
Hand auger to 6.0' bgs.
Groundwater observed at 11.0' bgs.

Date Start: 2/14/17
Date Finish: 2/14/17
Drilling Company: Cascade
Driller's Name: Kendall Schultz
Drilling Method: Sonic
Sampling Method: five foot core barrel
Rig Type: Sonic
Water Level Start (ft. bgs.): 10.0
Water Level Finish (ft. btoc.): NA

Northing: NA
Easting: NA
Casing Elevation: NA

Borehole Depth (ft. bgs.): 15.0
Surface Elevation: NA

Descriptions By: Angela DeGrandis

Well/Boring ID: **SB-BD01-6**

Client: RACER Trust

Location: RACER Buick City
Flint, MI

Weather Conditions: Sunny, 44°F

DEPTH (feet bgs.) / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0 / 0									
	1	0.0-6.0	6.0	0.0 0.0 0.0 0.0 0.0 0.0			(0.0 - 0.2') ASPHALT. (0.2 - 3.5') SAND, fine to medium, subrounded to subangular; little granules to small pebbles, subangular; little clay; poorly sorted; moist; dark grayish brown (10YR 4/2). (3.5 - 13.5') CLAY, high plasticity, slow dilatancy; some fine to medium sand, subrounded to subangular; little silt; trace granules, subangular; soft; moist; very dark gray (10YR 3/1).		
5 / -5									
	2	6.0-10.0	3.3	4.4 6.5 1.9 5.7			Note: Transition to dark gray (10YR 4/1) at 6.5' bgs.		Backfilled with bentonite.
10 / -10							Note: Wet from 11.0' to 12.0' bgs.	▼	
	3	10.0-15.0	4.25	1.5 0.0 0.0 0.0 0.0			(13.5 - 15.0') SAND, fine; little to some silt; trace granules, subrounded; poorly sorted; moist; pale brown (10YR 6/3).		
15 / -15							End of boring 15.0' bgs.		
20 / -20									

ARCADIS Design & Consultancy for natural and built assets

Remarks: bgs = below ground surface
btoc = below top of casing
NA = not applicable
Hand auger to 6.0' bgs.
Groundwater observed at 10.0' bgs.

Date Start: 2/14/17
Date Finish: 2/14/17
Drilling Company: Cascade
Driller's Name: Kendall Schultz
Drilling Method: Sonic
Sampling Method: five foot core barrel
Rig Type: Sonic
Water Level Start (ft. bgs.): 10.5
Water Level Finish (ft. btoc.): NA

Northing: NA
Easting: NA
Casing Elevation: NA

Borehole Depth (ft. bgs.): 20.0
Surface Elevation: NA

Descriptions By: Angela DeGrandis

Well/Boring ID: **SB-BD01-7**

Client: RACER Trust

Location: RACER Buick City
Flint, MI

Weather Conditions: Sunny, 44°F

DEPTH (feet bgs.) / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0 / 0				0.0			(0.0 - 1.0') CLAY, low plasticity, no dilatancy; some fine to medium sand, subrounded to subangular; trace granules, subangular; medium stiff; moist; brown (10YR 4/3).		
				0.0			(1.0 - 3.0') SAND, fine to medium, subrounded to subangular; little clay; trace small to large pebbles, subrounded; trace silt; poorly sorted; moist; very dark gray (10YR 3/1).		
	1	0.0-6.0	6.0	0.0			(3.0 - 7.0') CLAY, low plasticity, no dilatancy; and SAND, fine; trace granules to medium pebbles, subrounded; poorly sorted; medium stiff; moist; brown (10YR 4/3).		
5 / -5				0.0					
				0.0			(7.0 - 10.5') CLAY, high plasticity, slow dilatancy; some fine to medium sand, subrounded to subangular; little granules to medium pebbles, subrounded; stiff; moist; brown (10YR 4/3).		
	2	6.0-10.0	2.0	0.0					
				0.0					
10 / -10				0.0			(10.5 - 11.2') SAND, fine to medium, subrounded to subangular; and PEBBLES, granule to medium, subrounded; some clay; poorly sorted; moist to wet; dark grayish brown (10YR 4/2).	▼	Backfilled with bentonite.
				0.0			Note: Wet from 10.5' to 11.2' bgs.		
				0.0			(11.2 - 19.0') CLAY, high plasticity, no to slow dilatancy; little silt; trace granules to small pebbles, subangular; stiff; moist; gray (10YR 5/1).		
	3	10.0-15.0	4.7	0.0					
				0.0			Note: Sand seam at 13.8' bgs.		
15 / -15				0.0					
				0.0					
	4	15.0-20.0	5.0	0.0					
				0.0					
				0.0			(19.0 - 20.0') CLAY and SILT, low to medium plasticity, no dilatancy; trace granules, subrounded; very stiff; dry to moist; gray (10YR 5/1).		
20 / -20							End of boring 20.0' bgs.		

ARCADIS Design & Consultancy for natural and built assets

Remarks: bgs = below ground surface
btoc = below top of casing
NA = not applicable
Hand auger to 6.0' bgs.
Groundwater observed at 10.5' bgs.

Temporary well screened from 11.0 to 16.0' bgs.

Date Start: 2/15/17
Date Finish: 2/15/17
Drilling Company: Cascade
Driller's Name: Kendall Schultz
Drilling Method: Sonic
Sampling Method: five foot core barrel
Rig Type: Sonic
Water Level Start (ft. bgs.): 6.0
Water Level Finish (ft. btoc.): NA

Northing: NA
Easting: NA
Casing Elevation: NA

Borehole Depth (ft. bgs.): 25.0
Surface Elevation: NA

Descriptions By: Angela DeGrandis

Well/Boring ID: **SB-BD01-8**

Client: RACER Trust

Location: RACER Buick City
Flint, MI

Weather Conditions: Overcast, 27°F

DEPTH (feet bgs.) / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0 / 0									
	1	0.0-6.0	6.0	0.0 0.0 0.0 0.0 0.0 0.0			(0.0 - 0.2') ASPHALT. (0.2 - 6.0') SAND, fine to medium, subrounded to subangular; little granules to small pebbles, subrounded; trace medium pebbles, subrounded; poorly sorted; moist; yellowish brown (10YR 5/4).		
5 / -5								▼	
	2	6.0-10.0	4.0	0.0 0.0 0.0 0.0			(6.0 - 8.0') SAND, fine; trace silt; well sorted; wet; yellowish brown (10YR 5/4). Note: Wet from 6.0' to 8.0' bgs. Possible perched water zone. (8.0 - 10.5') CLAY, high plasticity, no to slow dilatancy; little silt; trace granules, subangular; medium stiff; moist; gray (10YR 5/1).		
10 / -10									
	3	10.0-15.0	5.0	0.0 0.0 0.0 0.0 0.0			(10.5 - 13.5') SAND, fine to medium, subrounded to subangular; some small to medium pebbles, subrounded to subangular; little granules, subrounded; poorly sorted; dry to moist; pale brown (10YR 6/3). (13.5 - 19.0') SAND, fine to medium, subrounded to subangular; little granules to small pebbles, subrounded to subangular; little silt; trace clay; poorly sorted; dry to moist; pale brown (10YR 6/3).		Backfilled with bentonite.
15 / -15									
	4	15.0-20.0	5.0	0.0 0.3 0.8 1.5					

ARCADIS Design & Consultancy for natural and built assets

Remarks: bgs = below ground surface
btoc = below top of casing
NA = not applicable
Hand auger to 6.0' bgs.
Groundwater observed at 6.0' bgs.

Date Start: 2/15/17
Date Finish: 2/15/17
Drilling Company: Cascade
Driller's Name: Kendall Schultz
Drilling Method: Sonic
Sampling Method: five foot core barrel
Rig Type: Sonic
Water Level Start (ft. bgs.): 6.0
Water Level Finish (ft. btoc.): NA

Northing: NA
Easting: NA
Casing Elevation: NA

Borehole Depth (ft. bgs.): 25.0
Surface Elevation: NA

Descriptions By: Angela DeGrandis

Well/Boring ID: **SB-BD01-8**

Client: RACER Trust

Location: RACER Buick City
Flint, MI

Weather Conditions: Overcast, 27°F

DEPTH (feet bgs.) / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
20 -20				7.0			(19.0 - 25.0') SAND, fine; little silt; well sorted; moist; yellowish brown (10YR 5/4).		
				0.0					
				0.0					
	5	20.0-25.0	5.0	0.1					
				0.1					
25 -25				0.0					
							End of boring 25.0' bgs.		
30 -30									
35 -35									

ARCADIS Design & Consultancy for natural and built assets

Remarks: bgs = below ground surface
btoc = below top of casing
NA = not applicable
Hand auger to 6.0' bgs.
Groundwater observed at 6.0' bgs.

Date Start: 2/15/17
Date Finish: 2/15/17
Drilling Company: Cascade
Driller's Name: Kendall Schultz
Drilling Method: Sonic
Sampling Method: five foot core barrel
Rig Type: Sonic
Water Level Start (ft. bgs.): 8.0
Water Level Finish (ft. btoc.): NA

Northing: NA
Easting: NA
Casing Elevation: NA

Borehole Depth (ft. bgs.): 15.0
Surface Elevation: NA

Descriptions By: Angela DeGrandis

Well/Boring ID: **SB-BD01-9**

Client: RACER Trust

Location: RACER Buick City
Flint, MI

Weather Conditions: Overcast, 27°F

DEPTH (feet bgs.) / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0 / 0									
				0.0			(0.0 - 0.2') ASPHALT.		
				0.0			(0.2 - 7.0') SAND, fine to medium, subrounded to subangular; some granules to medium pebbles, subrounded to subangular; trace to little clay; poorly sorted; dry to moist; pale brown (10YR 6/3).		
	1	0.0-6.0	6.0	0.0					
				0.0					
				0.0					
5 / -5				0.0					
				1.7			(7.0 - 12.0') SAND, fine to medium, subrounded to subangular; some clay; trace granules, subrounded; trace silt; poorly sorted; moist to wet; pale brown (10YR 6/3).		
	2	6.0-10.0	3.7	0.0			Note: Wet at 8.0' bgs.	▼	Backfilled with bentonite.
				0.0					
10 / -10				0.0					
				0.0					
	3	10.0-15.0	4.7	0.0			(12.0 - 15.0') SAND, fine to medium, subrounded to subangular; some granules to medium pebbles, subrounded to subangular; trace silt; poorly sorted; moist; pale brown (10YR 6/3).		
				2.9					
				1.5					
15 / -15							End of boring 15.0' bgs.		

ARCADIS Design & Consultancy for natural and built assets

Remarks: bgs = below ground surface
btoc = below top of casing
NA = not applicable
Hand auger to 6.0' bgs.
Groundwater observed at 8.0' bgs.

ATTACHMENT 3

Attachment 2 - Table 1.
RFI Investigation - Admin Bldg No. 1 Groundwater Data (Monitoring Well)
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(): Date Collected:	Units	FE (2013)	GSI (2013)	NDW (2013)	NGVIA (2013)	WS (2013)	BD01-02R 12/13/02	BD01-02R 04/03/03	BD01-02R 10/05/04	BD01-03 12/05/01	BD01-04 04/24/03
Volatile Organics											
1,1,1-Trichloroethane	ug/L	- -	89	200	1,300,000	1,330,000	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	ug/L	- -	78	35	77,000	2,970,000	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	ug/L	- -	330	5	110,000	4,420,000	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	ug/L	380,000	740	2,500	2,300,000	5,060,000	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	ug/L	97,000	130	7	1,300	2,250,000	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	ug/L	- -	99	70	300,000	300,000	5 U	5 U	2 U	5 U	5 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	- -	- -	0.2	1,200	1,230	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	- -	5.7	0.05	15,000	4,200,000	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	ug/L	- -	13	600	160,000	156,000	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	ug/L	2,500,000	360	5	59,000	8,520,000	3.8	1 U	1 U	1 U	1 U
1,2-Dichloropropane	ug/L	550,000	230	5	36,000	2,800,000	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	ug/L	- -	28	19	41,000	111,000	1.1	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	ug/L	- -	17	75	74,000	73,800	1 U	1 U	1 U	1 U	1 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	- -	2,200	38,000	240,000,000	240,000,000	1.3 J	25 U	30 U	25 U	25 U
2-Hexanone	ug/L	- -	- -	2,900	8,700,000	16,000,000	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	- -	- -	5,200	20,000,000	20,000,000	3.8 J	50 U	1 U	50 U	50 U
Acetone	ug/L	15,000,000	1,700	2,100	1,000,000,000	1,000,000,000	1.9 J	25 U	30 U	25 U	1.8 J
Benzene	ug/L	68,000	200	5	35,000	1,750,000	**87 D (NDW (2013))**	1 U	1 U	1 U	1 U
Bromodichloromethane	ug/L	- -	- -	80	37,000	6,740,000	1 U	1 U	1 U	1 U	1 U
Bromoform	ug/L	- -	- -	80	3,100,000	3,100,000	1 U	1 U	1 UJ	1 U	1 U
Bromomethane (Methyl bromide)	ug/L	- -	35	29	9,000	14,500,000	1 UJ	1 U	2 UJ	1 U	1 U
Carbon disulfide	ug/L	13,000	- -	2,300	550,000	1,190,000	5 U	5 U	5 UJ	5 U	5 U
Carbon tetrachloride	ug/L	- -	45	5	2,400	793,000	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	ug/L	160,000	25	100	470,000	472,000	1 U	1 U	1 U	1 U	1 U
Chloroethane	ug/L	110,000	1,100	1,700	5,700,000	5,740,000	1 U	1 U	1 UJ	1 U	1 U
Chloroform (Trichloromethane)	ug/L	- -	350	80	180,000	7,920,000	1 U	1 U	1 U	1 U	1 U
Chloromethane (Methyl chloride)	ug/L	36,000	- -	1,100	45,000	6,340,000	1 UJ	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	ug/L	530,000	620	70	210,000	3,500,000	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	ug/L	- -	- -	- -	- -	- -	1 U	1 U	1 U	1 U	1 U
Cyclohexane	ug/L	- -	- -	- -	- -	- -	3 U	5 U	1 U	5 U	5 U
Dibromochloromethane	ug/L	- -	- -	80	110,000	2,600,000	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane (CFC-12)	ug/L	- -	- -	4,800	300,000	300,000	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	ug/L	43,000	18	74	170,000	169,000	1 U	1 U	1 U	1 U	1 U
Isopropyl benzene	ug/L	29,000	28	2,300	56,000	56,000	5 U	5 U	1 U	5 U	5 U
m&p-Xylene	ug/L	- -	- -	- -	- -	- -	2 U	2 U	1 U	2 U	2 U
Methyl acetate	ug/L	- -	- -	- -	- -	- -	3 U	5 UJ	10 U	5 U	5 U
Methyl cyclohexane	ug/L	- -	- -	- -	- -	- -	3 U	1 U	20 U	1 U	1 U
Methyl tert butyl ether (MTBE)	ug/L	- -	7,100	40	47,000,000	46,800,000	5 U	5 U	5 U	7.5	5 U
Methylene chloride	ug/L	- -	1,500	5	1,400,000	17,000,000	5 U	5 U	5 U	5 U	5 U
o-Xylene	ug/L	- -	- -	- -	- -	- -	1 U	1 U	1 U	1 U	1 U
Styrene	ug/L	140,000	80	100	310,000	310,000	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	ug/L	- -	60	5	170,000	200,000	1 U	1 U	1 U	1 U	1 U
Toluene	ug/L	61,000	270	790	530,000	526,000	1.2	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	ug/L	230,000	1,500	100	200,000	6,300,000	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	ug/L	- -	- -	- -	- -	- -	1 U	1 U	1 U	1 U	1 U
Trichloroethene	ug/L	- -	200	5	4,900	1,100,000	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane (CFC-11)	ug/L	- -	- -	7,300	1,100,000	1,100,000	1 U	1 U	1 J	1 U	1 U
Trifluorotrichloroethane (Freon 113)	ug/L	- -	32	170,000	170,000	170,000	3 U	1 U	30 U	1 U	1 U
Vinyl chloride	ug/L	33,000	13	2	13,000	2,760,000	1 U	1 U	1 U	1 U	1 U
SVOC											
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	5 U	NA
2,4,5-Trichlorophenol	ug/L	- -	- -	2,100	- -	1,200,000	NA	NA	NA	5 U	NA
2,4,6-Trichlorophenol	ug/L	- -	5	470	- -	800,000	NA	NA	NA	4 U	NA
2,4-Dichlorophenol	ug/L	- -	11	210	- -	4,500,000	NA	NA	NA	10 U	NA
2,4-Dimethylphenol	ug/L	- -	380	1,000	- -	7,870,000	NA	NA	NA	5 U	NA
2,4-Dinitrophenol	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	20 U	NA
2,4-Dinitrotoluene	ug/L	- -	- -	32	- -	270,000	NA	NA	NA	5 U	NA
2,6-Dinitrotoluene	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	5 U	NA
2-Chloronaphthalene	ug/L	- -	- -	5,200	- -	6,740	NA	NA	NA	5 U	NA

Location ID: Sample Depth(): Date Collected:	Units	FE (2013)	GSI (2013)	NDW (2013)	NGVIA (2013)	WS (2013)	BD01-02R 12/13/02	BD01-02R 04/03/03	BD01-02R 10/05/04	BD01-03 12/05/01	BD01-04 04/24/03
2-Chlorophenol	ug/L	- -	18	130	1,100,000	22,000,000	NA	NA	NA	5 U	NA
2-Methylnaphthalene	ug/L	- -	19	750	25,000	24,600	NA	NA	NA	5 U	NA
2-Methylphenol	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	5 U	NA
2-Nitroaniline	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	20 U	NA
2-Nitrophenol	ug/L	- -	- -	58	- -	2,500,000	NA	NA	NA	5 U	NA
3&4-Methylphenol	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	10 UJ	NA
3,3'-Dichlorobenzidine	ug/L	- -	0.3	4.3	- -	3,110	NA	NA	NA	20 U	NA
3-Nitroaniline	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	20 U	NA
4,6-Dinitro-2-methylphenol	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	20 U	NA
4-Bromophenyl phenyl ether	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	5 U	NA
4-Chloro-3-methylphenol	ug/L	- -	7.4	420	- -	3,900,000	NA	NA	NA	5 U	NA
4-Chloroaniline	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	20 U	NA
4-Chlorophenyl phenyl ether	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	5 U	NA
4-Nitroaniline	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	20 U	NA
4-Nitrophenol	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	20 U	NA
Acenaphthene	ug/L	- -	38	3,800	4,200	4,240	NA	NA	NA	5 U	NA
Acenaphthylene	ug/L	- -	- -	150	3,900	3,930	NA	NA	NA	5 U	NA
Acetophenone	ug/L	- -	- -	4,400	6,100,000	6,100,000	NA	NA	NA	5 U	NA
Anthracene	ug/L	- -	- -	43	43	43.4	NA	NA	NA	5 U	NA
Atrazine	ug/L	- -	7.3	3	- -	70,000	NA	NA	NA	5 U	NA
Benzaldehyde	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	5 U	NA
Benzo(a)anthracene	ug/L	- -	- -	8.5	- -	9.4	NA	NA	NA	1 U	NA
Benzo(a)pyrene	ug/L	- -	- -	5	- -	1.62	NA	NA	NA	2 U	NA
Benzo(b)fluoranthene	ug/L	- -	- -	1.5	- -	1.5	NA	NA	NA	2 U	NA
Benzo(g,h,i)perylene	ug/L	- -	- -	1	- -	0.26	NA	NA	NA	5 U	NA
Benzo(k)fluoranthene	ug/L	- -	- -	1	- -	0.8	NA	NA	NA	5 U	NA
Biphenyl (1,1-Biphenyl)	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	5 U	NA
bis(2-Chloroethoxy)methane	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	5 U	NA
bis(2-Chloroethyl)ether	ug/L	17,000,000	1	8.3	210,000	17,200,000	NA	NA	NA	1 U	NA
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	- -	25	6	- -	340	NA	NA	NA	5 U	NA
Butyl benzylphthalate (BBP)	ug/L	- -	67	2,700	- -	2,690	NA	NA	NA	5 U	NA
Caprolactam	ug/L	- -	- -	17,000	- -	5,250,000,000	NA	NA	NA	10 U	NA
Carbazole	ug/L	- -	10	350	- -	7,480	NA	NA	NA	10 U	NA
Chrysene	ug/L	- -	- -	1.6	- -	1.6	NA	NA	NA	5 U	NA
Dibenz(a,h)anthracene	ug/L	- -	- -	2	- -	2.49	NA	NA	NA	2 U	NA
Dibenzofuran	ug/L	- -	4	- -	10,000	10,000	NA	NA	NA	4 U	NA
Diethyl phthalate	ug/L	- -	110	16,000	- -	1,080,000	NA	NA	NA	5 U	NA
Dimethyl phthalate	ug/L	- -	- -	210,000	- -	4,190,000	NA	NA	NA	5 U	NA
Di-n-butylphthalate (DBP)	ug/L	- -	9.7	2,500	- -	11,200	NA	NA	NA	5 U	NA
Di-n-octyl phthalate (DnOP)	ug/L	- -	- -	380	- -	3,000	NA	NA	NA	5 U	NA
Fluoranthene	ug/L	- -	1.6	210	210	206	NA	NA	NA	2 U	NA
Fluorene	ug/L	- -	12	2,000	2,000	1,980	NA	NA	NA	5 U	NA
Hexachlorobenzene	ug/L	- -	0.2	1	3,000	6,200	NA	NA	NA	1 U	NA
Hexachlorobutadiene	ug/L	- -	0.053	42	3,200	3,230	NA	NA	NA	5 U	NA
Hexachlorocyclopentadiene	ug/L	- -	- -	50	420	1,800	NA	NA	NA	5 U	NA
Hexachloroethane	ug/L	- -	6.7	21	50,000	50,000	NA	NA	NA	5 U	NA
Indeno(1,2,3-cd)pyrene	ug/L	- -	- -	2	- -	0.022	NA	NA	NA	2 U	NA
Isophorone	ug/L	- -	1,300	3,100	- -	12,000,000	NA	NA	NA	5 U	NA
Naphthalene	ug/L	- -	11	1,500	31,000	31,000	NA	NA	NA	5 U	NA
Nitrobenzene	ug/L	- -	180	9.6	550,000	2,090,000	NA	NA	NA	2 U	NA
N-Nitrosodi-n-propylamine	ug/L	- -	- -	5	- -	9,890,000	NA	NA	NA	5 U	NA
N-Nitrosodiphenylamine	ug/L	- -	- -	1,100	- -	35,100	NA	NA	NA	5 U	NA
Pentachlorophenol	ug/L	- -	2.8	1	- -	1,850,000	NA	NA	NA	20 U	NA
Phenanthrene	ug/L	- -	2	150	1,000	1,000	NA	NA	NA	5 U	NA
Phenol	ug/L	- -	450	13,000	- -	82,800,000	NA	NA	NA	5 U	NA
Pyrene	ug/L	- -	- -	140	140	135	NA	NA	NA	5 U	NA
PCB											
Aroclor-1016 (PCB-1016)	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	0.11 U	NA
Aroclor-1221 (PCB-1221)	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	0.11 U	NA
Aroclor-1232 (PCB-1232)	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	0.11 U	NA
Aroclor-1242 (PCB-1242)	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	0.11 U	NA
Aroclor-1248 (PCB-1248)	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	0.11 U	NA
Aroclor-1254 (PCB-1254)	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	0.11 U	NA

Location ID: Sample Depth(): Date Collected:	Units	FE (2013)	GSI (2013)	NDW (2013)	NGVIA (2013)	WS (2013)	BD01-02R 12/13/02	BD01-02R 04/03/03	BD01-02R 10/05/04	BD01-03 12/05/01	BD01-04 04/24/03
Aroclor-1260 (PCB-1260)	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	0.11 U	NA
PCB-Dissolved											
Aroclor-1016 (PCB-1016) (dissolved)	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	0.11 U	NA
Aroclor-1221 (PCB-1221) (dissolved)	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	0.11 U	NA
Aroclor-1232 (PCB-1232) (dissolved)	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	0.11 U	NA
Aroclor-1242 (PCB-1242) (dissolved)	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	0.11 U	NA
Aroclor-1248 (PCB-1248) (dissolved)	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	0.11 U	NA
Aroclor-1254 (PCB-1254) (dissolved)	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	0.11 U	NA
Aroclor-1260 (PCB-1260) (dissolved)	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	0.11 U	NA
Inorganic											
Antimony	ug/L	- -	130	6	- -	- -	NA	NA	NA	1.2 U	NA
Arsenic	ug/L	- -	10	10	- -	- -	NA	NA	NA	2.8 J	NA
Barium	ug/L	- -	1,300	2,000	- -	- -	NA	NA	NA	200	NA
Beryllium	ug/L	- -	32	4	- -	- -	NA	NA	NA	0.4 U	NA
Cadmium	ug/L	- -	4.8	5	- -	- -	NA	NA	NA	0.071 J	NA
Chromium	ug/L	- -	170	100	- -	- -	NA	NA	NA	0.68 J	NA
Cobalt	ug/L	- -	100	100	- -	- -	NA	NA	NA	0.8	NA
Copper	ug/L	- -	22	1,000	- -	- -	NA	NA	NA	3.1	NA
Cyanide (total)	ug/L	- -	5.2	200	- -	- -	NA	NA	NA	3 J	NA
Lead	ug/L	- -	47	4	- -	- -	NA	NA	NA	0.1 J	NA
Manganese	ug/L	- -	4,900	50	- -	- -	NA	NA	NA	**140 (NDW (2013))**	NA
Mercury	ug/L	- -	0.0013	2	56	56	NA	NA	NA	0.2 U	NA
Nickel	ug/L	- -	120	100	- -	- -	NA	NA	NA	5.1	NA
Selenium	ug/L	- -	5	50	- -	- -	NA	NA	NA	3 J	NA
Silver	ug/L	- -	0.2	98	- -	- -	NA	NA	NA	**0.64 (GSI (2013))**	NA
Thallium	ug/L	- -	3.7	2	- -	- -	NA	NA	NA	0.055 J	NA
Vanadium	ug/L	- -	27	62	- -	- -	NA	NA	NA	0.8 U	NA
Zinc	ug/L	- -	280	5,000	- -	- -	NA	NA	NA	10	NA
Miscellaneous											
Total Petroleum Hydrocarbons - Extractable (DRO)	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	144 J	NA
Total Petroleum Hydrocarbons (C6-C14) GRO	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	7.9 J	NA
Inorganic-Dissolved											
Antimony (dissolved)	ug/L	- -	130	6	- -	- -	NA	NA	NA	1.2 U	NA
Arsenic (dissolved)	ug/L	- -	10	10	- -	- -	NA	NA	NA	1 U	NA
Barium (dissolved)	ug/L	- -	1,300	2,000	- -	- -	NA	NA	NA	140	NA
Beryllium (dissolved)	ug/L	- -	32	4	- -	- -	NA	NA	NA	0.79 J	NA
Cadmium (dissolved)	ug/L	- -	4.8	5	- -	- -	NA	NA	NA	0.2 U	NA
Chromium Total (dissolved)	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	6.2	NA
Cobalt (dissolved)	ug/L	- -	100	100	- -	- -	NA	NA	NA	0.8	NA
Copper (dissolved)	ug/L	- -	22	1,000	- -	- -	NA	NA	NA	0.89	NA
Cyanide (dissolved)	ug/L	- -	5.2	200	- -	- -	NA	NA	NA	3.2 J	NA
Lead (dissolved)	ug/L	- -	47	4	- -	- -	NA	NA	NA	0.4 U	NA
Manganese (dissolved)	ug/L	- -	4,900	50	- -	- -	NA	NA	NA	**94 (NDW (2013))**	NA
Mercury (dissolved)	ug/L	- -	- -	- -	- -	- -	NA	NA	NA	0.2 U	NA
Nickel (dissolved)	ug/L	- -	120	100	- -	- -	NA	NA	NA	2.1	NA
Selenium (dissolved)	ug/L	- -	5	50	- -	- -	NA	NA	NA	1.4 U	NA
Silver (dissolved)	ug/L	- -	0.2	98	- -	- -	NA	NA	NA	0.4 U	NA
Thallium (dissolved)	ug/L	- -	3.7	2	- -	- -	NA	NA	NA	0.2 U	NA
Vanadium (dissolved)	ug/L	- -	27	62	- -	- -	NA	NA	NA	1.2	NA
Zinc (dissolved)	ug/L	- -	280	5,000	- -	- -	NA	NA	NA	14	NA

Notes:
Bolded and shaded results indicate an exceedance of one or more criteria
ug/L - micrograms per liter
U - Analyte not detected above reporting limit
J - Estimated value less than reporting limit, but greater than MDL
R - Result rejected during validation
FE - Flammability and Explosivity
GSI - Groundwater/Surface Water Interface Criteria
NDW - Nonresidential Drinking Water Criteria
NGVIA - Nonresidential Groundwater Volatilization to Indoor Air
WS - Water Solubility Criteria

Attachment 2 - Table 2.
RFI Investigation - Admin Bldg No. 1 Groundwater Data (Borehole)
RACER Trust, Buick City Site, Flint, MI

Location ID: / Date Collected:	Units	BD01-02 11/30/01
Volatile Organics		
1,1,1-Trichloroethane	ug/L	1 U
1,1,2,2-Tetrachloroethane	ug/L	1 U
1,1,2-Trichloroethane	ug/L	1 U
1,1-Dichloroethane	ug/L	1 U
1,1-Dichloroethene	ug/L	1 U
1,2,4-Trichlorobenzene	ug/L	5 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	1 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	1 U
1,2-Dichlorobenzene	ug/L	1 U
1,2-Dichloroethane	ug/L	1 U
1,2-Dichloropropane	ug/L	1 U
1,3-Dichlorobenzene	ug/L	1 U
1,4-Dichlorobenzene	ug/L	1 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	25 U
2-Hexanone	ug/L	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	50 U
Acetone	ug/L	25 U
Benzene	ug/L	7.8
Bromodichloromethane	ug/L	1 U
Bromoform	ug/L	1 U
Bromomethane (Methyl bromide)	ug/L	1 U
Carbon disulfide	ug/L	5 U
Carbon tetrachloride	ug/L	1 U
Chlorobenzene	ug/L	1 U
Chloroethane	ug/L	1 U
Chloroform (Trichloromethane)	ug/L	1 U
Chloromethane (Methyl chloride)	ug/L	1 U
cis-1,2-Dichloroethene	ug/L	1 U
cis-1,3-Dichloropropene	ug/L	1 U
Cyclohexane	ug/L	5 U
Dibromochloromethane	ug/L	1 U
Dichlorodifluoromethane (CFC-12)	ug/L	1 U
Ethylbenzene	ug/L	1 U
Isopropyl benzene	ug/L	5 U
m&p-Xylene	ug/L	0.78 J
Methyl acetate	ug/L	5 U
Methyl cyclohexane	ug/L	1 U
Methyl tert butyl ether (MTBE)	ug/L	5 U
Methylene chloride	ug/L	5 U
o-Xylene	ug/L	1 U
Styrene	ug/L	1 U
Tetrachloroethene	ug/L	1 U
Toluene	ug/L	1 U
trans-1,2-Dichloroethene	ug/L	1 U
trans-1,3-Dichloropropene	ug/L	1 U
Trichloroethene	ug/L	1 U
Trichlorofluoromethane (CFC-11)	ug/L	1 U
Trifluorotrichloroethane (Freon 113)	ug/L	1 U
Vinyl chloride	ug/L	1 U
SVOC		
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	5.6 U
2,4,5-Trichlorophenol	ug/L	5.6 U
2,4,6-Trichlorophenol	ug/L	4.4 U
2,4-Dichlorophenol	ug/L	11 U
2,4-Dimethylphenol	ug/L	5.6 U
2,4-Dinitrophenol	ug/L	22 U
2,4-Dinitrotoluene	ug/L	5.6 U
2,6-Dinitrotoluene	ug/L	5.6 U
2-Chloronaphthalene	ug/L	5.6 U
2-Chlorophenol	ug/L	5.6 U

Attachment 2 - Table 2.
RFI Investigation - Admin Bldg No. 1 Groundwater Data (Borehole)
RACER Trust, Buick City Site, Flint, MI

Location ID: / Date Collected:	Units	BD01-02 11/30/01
2-Methylnaphthalene	ug/L	5.6 U
2-Methylphenol	ug/L	5.6 U
2-Nitroaniline	ug/L	22 U
2-Nitrophenol	ug/L	5.6 U
3&4-Methylphenol	ug/L	11 UJ
3,3'-Dichlorobenzidine	ug/L	R
3-Nitroaniline	ug/L	22 U
4,6-Dinitro-2-methylphenol	ug/L	22 U
4-Bromophenyl phenyl ether	ug/L	5.6 U
4-Chloro-3-methylphenol	ug/L	5.6 U
4-Chloroaniline	ug/L	22 U
4-Chlorophenyl phenyl ether	ug/L	5.6 U
4-Nitroaniline	ug/L	22 U
4-Nitrophenol	ug/L	22 U
Acenaphthene	ug/L	5.6 U
Acenaphthylene	ug/L	5.6 U
Acetophenone	ug/L	5.6 U
Anthracene	ug/L	5.6 U
Atrazine	ug/L	5.6 U
Benzaldehyde	ug/L	5.6 UJ
Benzo(a)anthracene	ug/L	1.1 U
Benzo(a)pyrene	ug/L	2.2 U
Benzo(b)fluoranthene	ug/L	2.2 U
Benzo(g,h,i)perylene	ug/L	5.6 U
Benzo(k)fluoranthene	ug/L	5.6 U
Biphenyl (1,1-Biphenyl)	ug/L	5.6 U
bis(2-Chloroethoxy)methane	ug/L	5.6 U
bis(2-Chloroethyl)ether	ug/L	1.1 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	5.6 U
Butyl benzylphthalate (BBP)	ug/L	5.6 U
Caprolactam	ug/L	3.42 J
Carbazole	ug/L	11 U
Chrysene	ug/L	5.6 U
Dibenz(a,h)anthracene	ug/L	2.2 U
Dibenzofuran	ug/L	4.4 U
Diethyl phthalate	ug/L	5.6 U
Dimethyl phthalate	ug/L	5.6 U
Di-n-butylphthalate (DBP)	ug/L	5.6 U
Di-n-octyl phthalate (DnOP)	ug/L	5.6 U
Fluoranthene	ug/L	2.2 U
Fluorene	ug/L	5.6 U
Hexachlorobenzene	ug/L	1.1 U
Hexachlorobutadiene	ug/L	5.6 U
Hexachlorocyclopentadiene	ug/L	5.6 U
Hexachloroethane	ug/L	5.6 U
Indeno(1,2,3-cd)pyrene	ug/L	2.2 U
Isophorone	ug/L	5.6 U
Naphthalene	ug/L	5.6 U
Nitrobenzene	ug/L	2.2 U
N-Nitrosodi-n-propylamine	ug/L	5.6 U
N-Nitrosodiphenylamine	ug/L	5.6 U
Pentachlorophenol	ug/L	22 U
Phenanthrene	ug/L	5.6 U
Phenol	ug/L	5.6 U
Pyrene	ug/L	5.6 U
PCB		
Aroclor-1016 (PCB-1016)	ug/L	0.11 U
Aroclor-1221 (PCB-1221)	ug/L	0.11 U
Aroclor-1232 (PCB-1232)	ug/L	0.11 U
Aroclor-1242 (PCB-1242)	ug/L	0.11 U
Aroclor-1248 (PCB-1248)	ug/L	0.11 U

Attachment 2 - Table 2.
RFI Investigation - Admin Bldg No. 1 Groundwater Data (Borehole)
RACER Trust, Buick City Site, Flint, MI

Location ID: / Date Collected:	Units	BD01-02 11/30/01
Aroclor-1254 (PCB-1254)	ug/L	0.11 U
Aroclor-1260 (PCB-1260)	ug/L	0.11 U
PCB-Dissolved		
Aroclor-1016 (PCB-1016) (dissolved)	ug/L	0.11 U
Aroclor-1221 (PCB-1221) (dissolved)	ug/L	0.11 U
Aroclor-1232 (PCB-1232) (dissolved)	ug/L	0.11 U
Aroclor-1242 (PCB-1242) (dissolved)	ug/L	0.11 U
Aroclor-1248 (PCB-1248) (dissolved)	ug/L	0.11 U
Aroclor-1254 (PCB-1254) (dissolved)	ug/L	0.11 U
Aroclor-1260 (PCB-1260) (dissolved)	ug/L	0.11 U
Inorganic		
Antimony	ug/L	1.2 U
Arsenic	ug/L	1.1 J
Barium	ug/L	160
Beryllium	ug/L	0.4 U
Cadmium	ug/L	0.07 J
Chromium	ug/L	0.86 U
Cobalt	ug/L	0.97
Copper	ug/L	2.8 U
Cyanide (total)	ug/L	5 U
Lead	ug/L	0.4 U
Manganese	ug/L	180
Mercury	ug/L	0.2 U
Nickel	ug/L	5.3
Selenium	ug/L	5.1 J
Silver	ug/L	0.4 U
Thallium	ug/L	0.2 U
Vanadium	ug/L	0.26 J
Zinc	ug/L	16 U
Inorganic-Dissolved		
Antimony (dissolved)	ug/L	1.2 U
Arsenic (dissolved)	ug/L	1 U
Barium (dissolved)	ug/L	120
Beryllium (dissolved)	ug/L	0.4 U
Cadmium (dissolved)	ug/L	0.2 U
Chromium Total (dissolved)	ug/L	6.1
Cobalt (dissolved)	ug/L	0.76
Copper (dissolved)	ug/L	0.65 U
Cyanide (dissolved)	ug/L	5 U
Lead (dissolved)	ug/L	0.4 U
Manganese (dissolved)	ug/L	130
Mercury (dissolved)	ug/L	0.2 U
Nickel (dissolved)	ug/L	5.3
Selenium (dissolved)	ug/L	5.4
Silver (dissolved)	ug/L	0.4 U
Thallium (dissolved)	ug/L	0.2 U
Vanadium (dissolved)	ug/L	1.6
Zinc (dissolved)	ug/L	12 U

Notes:
ug/L - micrograms per liter
U - Analyte not detected above reporting limit
J - Estimated value less than reporting limit, but greater than MDL
R - Result rejected durign validation

Attachment 2 - Table 3.
RFI Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft BGS): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDC (2013)	NDWP (2013)	NPSIC (2013)	NVSICI (2013)	SDBL (2013)	BD01-01 0.4-2.4 12/03/01	BD01-01 8.4-10.4 12/03/01	BD01-01 22.4-24.4 12/03/01
Volatile Organics											
1,1,1-Trichloroethane	mg/kg	460	1.8	1,000,000	4	29,000,000	4,500	- -	0.039 U	0.043 U	0.038 U [0.038 U]
1,1,2,2-Tetrachloroethane	mg/kg	870	1.6	240	0.7	68,000	34	- -	0.078 U	0.087 U	0.075 U [0.075 U]
1,1,2-Trichloroethane	mg/kg	920	6.6	840	0.1	250,000	57	- -	0.039 U	0.043 U	0.038 U [0.038 U]
1,1-Dichloroethane	mg/kg	890	15	87,000	50	15,000,000	2,500	- -	0.039 U	0.043 U	0.038 U [0.038 U]
1,1-Dichloroethene	mg/kg	570	2.6	660	0.14	78,000	3.7	- -	0.039 U	0.043 U	0.038 U [0.038 U]
1,2,4-Trichlorobenzene	mg/kg	1,100	5.9	5,800	4.2	11,000,000	34,000	- -	0.17 U	0.19 U	0.16 U [0.16 U]
1,2,4-Trimethylbenzene	mg/kg	110	0.57	100,000	2.1	36,000,000	25,000	- -	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	1.2	- -	20	0.01	700	0.9	- -	0.17 U	0.19 U	0.16 U [0.16 U]
1,2-Dibromoethane (Ethylene dibromide)	mg/kg	890	0.11	0.43	0.02	18,000	5.8	- -	0.17 U	0.19 U	0.16 U [0.16 U]
1,2-Dichlorobenzene	mg/kg	210	0.28	63,000	14	44,000,000	46,000	- -	0.078 U	0.087 U	0.075 U [0.075 U]
1,2-Dichloroethane	mg/kg	1,200	7.2	420	0.1	150,000	21	- -	0.039 U	0.043 U	0.038 U [0.038 U]
1,2-Dichloropropane	mg/kg	550	4.6	660	0.1	120,000	30	- -	0.039 U	0.043 U	0.038 U [0.038 U]
1,3,5-Trimethylbenzene	mg/kg	94	1.1	100,000	1.8	36,000,000	19,000	- -	NA	NA	NA
1,3-Dichlorobenzene	mg/kg	170	0.68	660	0.48	88,000	94	- -	0.078 U	0.087 U	0.075 U [0.075 U]
1,4-Dichlorobenzene	mg/kg	- -	0.36	1,900	1.7	570,000	260	- -	0.078 U	0.087 U	0.075 U [0.075 U]
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	27,000	44	700,000	760	29,000,000	35,000	- -	0.28 U	0.31 U	0.27 U [0.27 U]
2-Hexanone	mg/kg	2,500	- -	100,000	58	1,200,000	1,300	- -	0.28 U	0.31 U	0.27 U [0.27 U]
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.28 U	0.31 U	0.27 U [0.27 U]
Acetone	mg/kg	110,000	34	73,000	42	170,000,000	160,000	- -	0.28 UJ	0.31 UJ	0.27 UJ [0.27 UJ]
Benzene	mg/kg	400	4	840	0.1	470,000	45	- -	0.039 U	0.043 U	0.038 U [0.038 U]
Bromodichloromethane	mg/kg	1,500	- -	490	1.6	110,000	31	- -	0.078 U	0.087 U	0.075 U [0.075 U]
Bromoform	mg/kg	870	- -	3,800	1.6	3,600,000	3,100	- -	0.078 U	0.087 U	0.075 U [0.075 U]
Bromomethane (Methyl bromide)	mg/kg	2,200	0.7	1,000	0.58	150,000	13	- -	0.17 U	0.19 U	0.16 U [0.16 U]
Carbon disulfide	mg/kg	280	- -	43,000	46	21,000,000	1,600	- -	0.17 U	0.19 U	0.16 U [0.16 U]
Carbon tetrachloride	mg/kg	390	0.9	440	0.1	170,000	12	- -	0.039 U	0.043 U	0.038 U [0.038 U]
Chlorobenzene	mg/kg	260	0.5	14,000	2	2,100,000	920	- -	0.039 U	0.043 U	0.038 U [0.038 U]
Chloroethane	mg/kg	950	22	12,000	34	290,000,000	36,000	- -	0.17 U	0.19 U	0.16 U [0.16 U]
Chloroform (Trichloromethane)	mg/kg	1,500	7	5,500	1.6	1,600,000	150	- -	0.039 U	0.043 U	0.038 U [0.038 U]
Chloromethane (Methyl chloride)	mg/kg	1,100	- -	7,400	22	2,600,000	120	- -	0.17 U	0.19 U	0.16 U [0.16 U]
cis-1,2-Dichloroethene	mg/kg	640	12	8,000	1.4	1,000,000	210	- -	0.039 U	0.043 U	0.038 U [0.038 U]
cis-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.039 U	0.043 U	0.038 U [0.038 U]
Cyclohexane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.17 U	0.19 U	0.16 U [0.16 U]
Dibromochloromethane	mg/kg	610	- -	500	1.6	160,000	80	- -	0.078 U	0.087 U	0.075 U [0.075 U]
Dichlorodifluoromethane (CFC-12)	mg/kg	1,000	- -	170,000	270	1,500,000,000	63,000	- -	0.078 U	0.087 U	0.075 U [0.075 U]
Ethylbenzene	mg/kg	140	0.36	71,000	1.5	13,000,000	2,400	- -	0.039 U	0.043 U	0.038 U [0.038 U]
Isopropyl benzene	mg/kg	390	3.2	80,000	260	2,600,000	2,000	- -	0.17 U	0.19 U	0.16 U [0.16 U]
m&p-Xylene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.078 U	0.087 U	0.075 U [0.075 U]
Methyl acetate	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.17 U	0.19 U	0.16 U [0.16 U]
Methyl cyclohexane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.17 U	0.19 U	0.16 U [0.16 U]
Methyl tert butyl ether (MTBE)	mg/kg	5,900	140	7,100	0.8	88,000,000	30,000	- -	0.28 U	0.31 U	0.27 U [0.27 U]
Methylene chloride	mg/kg	2,300	30	5,800	0.1	8,300,000	700	- -	0.17 U	0.19 U	0.16 U [0.16 U]
o-Xylene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.039 U	0.043 U	0.038 U [0.038 U]
Styrene	mg/kg	520	2.1	1,900	2.7	6,900,000	3,300	- -	0.039 U	0.043 U	0.038 U [0.038 U]
Tetrachloroethene	mg/kg	88	1.2	930	0.1	1,200,000	210	- -	0.039 U	0.043 U	0.038 U [0.038 U]
Toluene	mg/kg	250	5.4	160,000	16	12,000,000	3,300	- -	0.039 U	0.043 U	0.038 U [0.038 U]
trans-1,2-Dichloroethene	mg/kg	1,400	30	12,000	2	2,100,000	330	- -	0.039 U	0.043 U	0.038 U [0.038 U]
trans-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.039 U	0.043 U	0.038 U [0.038 U]
Trichloroethene	mg/kg	500	4	660	0.1	59,000	14	- -	0.039 U	0.043 U	0.038 U [0.038 U]
Trichlorofluoromethane (CFC-11)	mg/kg	560	- -	260,000	150	1,700,000,000	110,000	- -	0.078 U	0.087 U	0.075 U [0.075 U]
Trifluorotrichloroethane (Freon 113)	mg/kg	550	1.7	1,000,000	9,000	2,300,000,000	210,000	- -	0.17 U	0.19 U	0.16 U [0.16 U]
Vinyl chloride	mg/kg	490	0.26	34	0.04	890,000	29	- -	0.039 U	0.043 U	0.038 U [0.038 U]
SVOC											
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
2,4,5-Trichlorophenol	mg/kg	- -	- -	73,000	110	10,000,000	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
2,4,6-Trichlorophenol	mg/kg	- -	0.33	3,300	9.4	1,300,000	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
2,4-Dichlorophenol	mg/kg	1,800	0.33	3,900	4.2	2,300,000	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
2,4-Dimethylphenol	mg/kg	- -	7.6	36,000	20	2,100,000	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
2,4-Dinitrophenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.74 U	0.84 U	0.73 U [0.72 U]

Attachment 2 - Table 3.
RFI Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft BGS): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDC (2013)	NDWP (2013)	NPSIC (2013)	NVSICI (2013)	SDBL (2013)	BD01-01 0.4-2.4 12/03/01	BD01-01 8.4-10.4 12/03/01	BD01-01 22.4-24.4 12/03/01
2,4-Dinitrotoluene	mg/kg	- -	- -	220	0.64	20,000	- -	- -	0.74 U	0.84 U	0.73 U [0.72 U]
2,6-Dinitrotoluene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
2-Chloronaphthalene	mg/kg	- -	- -	180,000	1,800	- -	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
2-Chlorophenol	mg/kg	19,000	0.36	4,500	2.6	530,000	1,100	- -	0.19 U	0.21 U	0.18 U [0.18 U]
2-Methylnaphthalene	mg/kg	- -	4.2	26,000	170	290,000	1,800	- -	0.19 U	0.21 U	0.18 U [0.18 U]
2-Methylphenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
2-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.74 U	0.84 U	0.73 U [0.72 U]
2-Nitrophenol	mg/kg	- -	- -	2,000	1.2	- -	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
3&4-Methylphenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.38 UJ	0.43 UJ	0.37 UJ [0.36 UJ]
3,3'-Dichlorobenzidine	mg/kg	- -	2	30	2	8,200	- -	- -	0.74 U	0.84 U	0.73 U [0.72 U]
3-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.74 U	0.84 U	0.73 U [0.72 U]
4,6-Dinitro-2-methylphenol	mg/kg	- -	- -	260	0.83	59,000	- -	- -	0.74 U	0.84 U	0.73 U [0.72 U]
4-Bromophenyl phenyl ether	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
4-Chloro-3-methylphenol	mg/kg	- -	0.28	15,000	16	- -	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
4-Chloroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.74 U	0.84 U	0.73 U [0.72 U]
4-Chlorophenyl phenyl ether	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.74 U	0.84 U	0.73 U [0.72 U]
4-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.74 U	0.84 U	0.73 U [0.72 U]
4-Nitrophenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.74 U	0.84 U	0.73 U [0.72 U]
Acenaphthene	mg/kg	- -	8.7	130,000	880	6,200,000	97,000	- -	0.19 U	0.21 U	0.18 U [0.18 U]
Acenaphthylene	mg/kg	- -	- -	5,200	17	1,000,000	2,700	- -	0.19 U	0.21 U	0.18 U [0.18 U]
Acetophenone	mg/kg	1,100	- -	150,000	88	14,000,000	52,000	- -	0.19 U	0.21 U	0.18 U [0.18 U]
Anthracene	mg/kg	- -	- -	730,000	41	29,000,000	1,600,000	- -	0.0408 J	0.21 U	0.18 U [0.18 U]
Atrazine	mg/kg	- -	0.15	330	0.06	- -	- -	- -	0.19 U	0.21 UJ	0.18 UJ [0.18 UJ]
Benzaldehyde	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.19 U	0.21 UJ	0.18 UJ [0.18 UJ]
Benzo(a)anthracene	mg/kg	- -	- -	80	- -	- -	- -	- -	0.0909 J	0.21 U	0.18 U [0.18 U]
Benzo(a)pyrene	mg/kg	- -	- -	8	- -	1,900	- -	- -	0.19 UJ	0.21 U	0.18 U [0.18 U]
Benzo(b)fluoranthene	mg/kg	- -	- -	80	- -	- -	- -	- -	0.0968 J	0.21 U	0.18 U [0.18 U]
Benzo(g,h,i)perylene	mg/kg	- -	- -	7,000	- -	350,000	- -	- -	0.19 UJ	0.21 U	0.18 U [0.18 U]
Benzo(k)fluoranthene	mg/kg	- -	- -	800	- -	- -	- -	- -	0.0798 J	0.21 U	0.18 U [0.18 U]
Biphenyl (1,1-Biphenyl)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
bis(2-Chloroethoxy)methane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
bis(2-Chloroethyl)ether	mg/kg	2,200	0.1	58	0.17	12,000	13	- -	0.036 U	0.041 U	0.036 U [0.035 U]
bis(2-Ethylhexyl)phthalate (DEHP)	mg/kg	10,000	- -	12,000	- -	890,000	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
Butyl benzylphthalate (BBP)	mg/kg	310	120	120,000	5,000	21,000,000	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
Caprolactam	mg/kg	- -	- -	310,000	340	290,000	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
Carbazole	mg/kg	- -	1.1	2,400	39	78,000	- -	- -	0.19 UJ	0.21 UJ	0.18 UJ [0.18 UJ]
Chrysene	mg/kg	- -	- -	8,000	- -	- -	- -	- -	0.0979 J	0.21 U	0.18 U [0.18 U]
Dibenz(a,h)anthracene	mg/kg	- -	- -	8	- -	- -	- -	- -	0.19 UJ	0.21 U	0.18 U [0.18 U]
Dibenzofuran	mg/kg	- -	1.7	- -	- -	2,900	160	- -	0.0423 J	0.21 U	0.18 U [0.18 U]
Diethyl phthalate	mg/kg	740	2.2	550,000	320	1,500,000	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
Dimethyl phthalate	mg/kg	790	- -	1,000,000	4,200	1,500,000	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
Di-n-butylphthalate (DBP)	mg/kg	760	11	87,000	2,700	1,500,000	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
Di-n-octyl phthalate (DnOP)	mg/kg	140,000	- -	20,000	290,000	14,000,000	- -	- -	0.19 UJ	0.21 U	0.18 U [0.18 U]
Fluoranthene	mg/kg	- -	5.5	130,000	730	4,100,000	890,000	- -	0.259 J	0.21 U	0.18 U [0.18 U]
Fluorene	mg/kg	- -	5.3	87,000	890	4,100,000	150,000	- -	0.19 U	0.21 U	0.18 U [0.18 U]
Hexachlorobenzene	mg/kg	- -	0.35	37	1.8	8,500	56	- -	0.19 U	0.21 U	0.18 U [0.18 U]
Hexachlorobutadiene	mg/kg	350	0.091	470	72	180,000	460	- -	0.19 U	0.21 U	0.18 U [0.18 U]
Hexachlorocyclopentadiene	mg/kg	720	- -	6,700	320	5,900	60	- -	0.19 U	0.21 U	0.18 U [0.18 U]
Hexachloroethane	mg/kg	- -	1.8	730	1.2	100,000	660	- -	0.19 U	0.21 U	0.18 U [0.18 U]
Indeno(1,2,3-cd)pyrene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.19 UJ	0.21 U	0.18 U [0.18 U]
Isophorone	mg/kg	2,400	26	22,000	62	8,200,000	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
Naphthalene	mg/kg	- -	0.73	52,000	100	88,000	350	- -	0.19 U	0.21 U	0.18 U [0.18 U]
Nitrobenzene	mg/kg	490	3.6	340	0.33	21,000	64	- -	0.074 U	0.084 U	0.073 U [0.072 U]
N-Nitrosodi-n-propylamine	mg/kg	1,500	- -	5.4	0.33	2,000	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
N-Nitrosodiphenylamine	mg/kg	- -	- -	7,800	22	2,800,000	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
Pentachlorophenol	mg/kg	- -	27	320	0.022	130,000	- -	- -	0.74 U	0.84 U	0.73 U [0.72 U]
Phenanthrene	mg/kg	- -	2.1	5,200	160	2,900	190	- -	0.342 J	0.21 U	0.18 U [0.18 U]
Phenol	mg/kg	12,000	9	230,000	260	18,000,000	- -	- -	0.19 U	0.21 U	0.18 U [0.18 U]
Pyrene	mg/kg	- -	- -	84,000	480	2,900,000	780,000	- -	0.385 J	0.21 U	0.18 U [0.18 U]
PCB											

Attachment 2 - Table 3.
RFI Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft BGS): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDC (2013)	NDWP (2013)	NPSIC (2013)	NVSICI (2013)	SDBL (2013)	BD01-01 0.4-2.4 12/03/01	BD01-01 8.4-10.4 12/03/01	BD01-01 22.4-24.4 12/03/01
Aroclor-1016 (PCB-1016)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.039 U	0.044 U	0.038 U [0.038 U]
Aroclor-1221 (PCB-1221)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.039 U	0.044 U	0.038 U [0.038 U]
Aroclor-1232 (PCB-1232)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.039 U	0.044 U	0.038 U [0.038 U]
Aroclor-1242 (PCB-1242)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.039 U	0.044 U	0.038 U [0.038 U]
Aroclor-1248 (PCB-1248)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.039 U	0.044 U	0.038 U [0.038 U]
Aroclor-1254 (PCB-1254)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.039 U	0.044 U	0.038 U [0.038 U]
Aroclor-1260 (PCB-1260)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.039 U	0.044 U	0.038 U [0.038 U]
Inorganic											
Antimony	mg/kg	- -	94	670	4.3	5,900	- -	- -	R	R	R [R]
Arsenic	mg/kg	- -	4.6	37	4.6	910	- -	5.8	**6.3 J (GSIP (2013),NDWP (2013),SDBL (2013))**	**7.2 J (GSIP (2013),NDWP (2013),SDBL (2013))**	2.8 J [2.8 J]
Barium	mg/kg	- -	850	130,000	1,300	150,000	- -	75	65	120 (SDBL (2013))	5.6 [5.5]
Beryllium	mg/kg	- -	400	1,600	51	590	- -	- -	0.12 J	0.87 J	0.049 J [0.047 J]
Cadmium	mg/kg	- -	5.8	2,100	6	2,200	- -	1.2	0.29	0.12	0.045 [0.047]
Chromium	mg/kg	- -	3.3	1,000,000	1,000,000	150,000	- -	18	4.2 J (GSIP (2013))	26 J (GSIP (2013),SDBL (2013))	4.5 J (GSIP (2013)) [4.1 J (GSIP (2013))]
Cobalt	mg/kg	- -	2	9,000	2	5,900	- -	6.8	2.3 J (GSIP (2013),NDWP (2013))	**19 J (GSIP (2013),NDWP (2013),SDBL (2013))**	1.7 J [1.7 J]
Copper	mg/kg	- -	130	73,000	5,800	59,000	- -	32	8.9 J	22 J	4.9 J [4.5 J]
Cyanide (total)	mg/kg	- -	0.1	250	4	250	- -	0.39	0.2 U	0.2 U	0.11 J (GSIP (2013)) [0.076 J]
Lead	mg/kg	- -	8,300	900	700	44,000	- -	21	22 J (SDBL (2013))	14 J	3.3 J [2.4 J]
Manganese	mg/kg	- -	98	90,000	1	1,500	- -	440	**560 J (GSIP (2013),NDWP (2013),SDBL (2013))**	**500 J (GSIP (2013),NDWP (2013),SDBL (2013))**	82 J (NDWP (2013)) [85 J (NDWP (2013))]
Mercury	mg/kg	- -	0.05	580	1.7	8,800	62	0.13	0.0219 J	0.088 U	0.076 U [0.075 U]
Nickel	mg/kg	- -	120	150,000	100	16,000	- -	20	9.4	35 (SDBL (2013))	4.8 [5]
Selenium	mg/kg	- -	0.4	9,600	4	59,000	- -	0.41	**0.5 J (GSIP (2013),SDBL (2013))**	0.11 U	0.14 [0.21 J]
Silver	mg/kg	- -	0.1	9,000	13	2,900	- -	1	0.11 J (GSIP (2013))	0.12 J (GSIP (2013))	0.013 J [0.011 J]
Thallium	mg/kg	- -	4.2	130	2.3	5,900	- -	- -	0.38	0.23 J	0.025 J [0.024 J]
Vanadium	mg/kg	- -	430	5,500	990	- -	- -	- -	8.2 J	36 J	6 J [4.6 J]
Zinc	mg/kg	- -	280	630,000	5,000	- -	- -	47	68 J (SDBL (2013))	58 J (SDBL (2013))	20 J [18 J]
Miscellaneous											
Total Petroleum Hydrocarbons - Extractable (DRO)	mg/kg	- -	- -	- -	- -	- -	- -	- -	NA	NA	NA
Total Petroleum Hydrocarbons (C6-C14) GRO	mg/kg	- -	- -	- -	- -	- -	- -	- -	NA	NA	NA
Total solids	mg/kg	- -	- -	- -	- -	- -	- -	- -	905,000	797,000	922,000 [933,000]

Notes:

Inorganic analytical results which do not exceed State Default Background Levels (SDBL) are not considered exceedances and are not bolded and shaded
Bolded and shaded results indicate an exceedance of SDBL and one or more criteria

mg/kg - milligrams per kilogram
J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.
U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
CSAT - Soil Saturation Concentration Screening Levels
GSIP - Groundwater/Surface Water Interface Protection Criteria
NDC - Nonresidential Direct Contact
NDWP - Nonresidential Drinking Water Protection Criteria
NPSIC - Nonresidential Particulate Soil Inhalation Criteria

Attachment 2 - Table 3.
RFI Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft BGS): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDC (2013)	NDWP (2013)	NPSIC (2013)	NVSICI (2013)	SDBL (2013)	BD01-02 0 - 2 11/30/01	BD01-02 8 - 10 11/30/01	BD01-02 12 - 14 11/30/01	BD01-03 0.-2.4 12/03/01
Volatile Organics												
1,1,1-Trichloroethane	mg/kg	460	1.8	1,000,000	4	29,000,000	4,500	- -	0.042 U	0.041 U	0.036 U	0.041 U
1,1,2,2-Tetrachloroethane	mg/kg	870	1.6	240	0.7	68,000	34	- -	0.085 U	0.082 U	0.073 U	0.081 U
1,1,2-Trichloroethane	mg/kg	920	6.6	840	0.1	250,000	57	- -	0.042 U	0.041 U	0.036 U	0.041 U
1,1-Dichloroethane	mg/kg	890	15	87,000	50	15,000,000	2,500	- -	0.042 U	0.041 U	0.036 U	0.041 U
1,1-Dichloroethene	mg/kg	570	2.6	660	0.14	78,000	3.7	- -	0.042 U	0.041 U	0.036 U	0.041 U
1,2,4-Trichlorobenzene	mg/kg	1,100	5.9	5,800	4.2	11,000,000	34,000	- -	0.18 U	0.17 U	0.16 U	0.17 U
1,2,4-Trimethylbenzene	mg/kg	110	0.57	100,000	2.1	36,000,000	25,000	- -	NA	NA	NA	0.058 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	1.2	- -	20	0.01	700	0.9	- -	0.18 U	0.17 U	0.16 U	0.17 U
1,2-Dibromoethane (Ethylene dibromide)	mg/kg	890	0.11	0.43	0.02	18,000	5.8	- -	0.18 U	0.17 U	0.16 U	0.17 U
1,2-Dichlorobenzene	mg/kg	210	0.28	63,000	14	44,000,000	46,000	- -	0.085 U	0.082 U	0.073 U	0.081 U
1,2-Dichloroethane	mg/kg	1,200	7.2	420	0.1	150,000	21	- -	0.042 U	0.041 U	0.036 U	0.041 U
1,2-Dichloropropane	mg/kg	550	4.6	660	0.1	120,000	30	- -	0.042 U	0.041 U	0.036 U	0.041 U
1,3,5-Trimethylbenzene	mg/kg	94	1.1	100,000	1.8	36,000,000	19,000	- -	NA	NA	NA	0.058 U
1,3-Dichlorobenzene	mg/kg	170	0.68	660	0.48	88,000	94	- -	0.085 U	0.082 U	0.073 U	0.081 U
1,4-Dichlorobenzene	mg/kg	- -	0.36	1,900	1.7	570,000	260	- -	0.085 U	0.082 U	0.073 U	0.081 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	27,000	44	700,000	760	29,000,000	35,000	- -	0.3 U	0.29 U	0.26 U	0.29 U
2-Hexanone	mg/kg	2,500	- -	100,000	58	1,200,000	1,300	- -	0.3 U	0.29 U	0.26 U	0.29 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.3 U	0.29 U	0.26 U	0.29 U
Acetone	mg/kg	110,000	34	73,000	42	170,000,000	160,000	- -	0.3 UJ	0.29 UJ	0.26 UJ	0.29 UJ
Benzene	mg/kg	400	4	840	0.1	470,000	45	- -	0.042 U	0.041 U	0.036 U	0.041 U
Bromodichloromethane	mg/kg	1,500	- -	490	1.6	110,000	31	- -	0.085 U	0.082 U	0.073 U	0.081 U
Bromoform	mg/kg	870	- -	3,800	1.6	3,600,000	3,100	- -	0.085 U	0.082 U	0.073 U	0.081 U
Bromomethane (Methyl bromide)	mg/kg	2,200	0.7	1,000	0.58	150,000	13	- -	0.18 U	0.17 U	0.16 U	0.17 U
Carbon disulfide	mg/kg	280	- -	43,000	46	21,000,000	1,600	- -	0.18 U	0.17 U	0.16 U	0.17 U
Carbon tetrachloride	mg/kg	390	0.9	440	0.1	170,000	12	- -	0.042 U	0.041 U	0.036 U	0.041 U
Chlorobenzene	mg/kg	260	0.5	14,000	2	2,100,000	920	- -	0.042 U	0.041 U	0.036 U	0.041 U
Chloroethane	mg/kg	950	22	12,000	34	290,000,000	36,000	- -	0.18 U	0.17 U	0.16 U	0.17 U
Chloroform (Trichloromethane)	mg/kg	1,500	7	5,500	1.6	1,600,000	150	- -	0.042 U	0.041 U	0.036 U	0.041 U
Chloromethane (Methyl chloride)	mg/kg	1,100	- -	7,400	22	2,600,000	120	- -	0.18 U	0.17 U	0.16 U	0.17 U
cis-1,2-Dichloroethene	mg/kg	640	12	8,000	1.4	1,000,000	210	- -	0.042 U	0.041 U	0.036 U	0.041 U
cis-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.042 U	0.041 U	0.036 U	0.041 U
Cyclohexane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.18 U	0.17 U	0.16 U	0.17 U
Dibromochloromethane	mg/kg	610	- -	500	1.6	160,000	80	- -	0.085 U	0.082 U	0.073 U	0.081 U
Dichlorodifluoromethane (CFC-12)	mg/kg	1,000	- -	170,000	270	1,500,000,000	63,000	- -	0.085 U	0.082 U	0.073 U	0.081 U
Ethylbenzene	mg/kg	140	0.36	71,000	1.5	13,000,000	2,400	- -	0.042 U	0.041 U	0.036 U	0.041 U
Isopropyl benzene	mg/kg	390	3.2	80,000	260	2,600,000	2,000	- -	0.18 U	0.17 U	0.16 U	0.17 U
m&p-Xylene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.085 U	0.082 U	0.073 U	0.081 U
Methyl acetate	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.12 J	0.17 U	0.16 U	0.17 U
Methyl cyclohexane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.064 J	0.17 U	0.16 U	0.17 U
Methyl tert butyl ether (MTBE)	mg/kg	5,900	140	7,100	0.8	88,000,000	30,000	- -	0.3 U	0.29 U	0.26 U	0.29 U
Methylene chloride	mg/kg	2,300	30	5,800	0.1	8,300,000	700	- -	0.18 U	0.17 U	0.047 J	0.17 U
o-Xylene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.042 U	0.041 U	0.036 U	0.041 U
Styrene	mg/kg	520	2.1	1,900	2.7	6,900,000	3,300	- -	0.042 U	0.041 U	0.036 U	0.041 U
Tetrachloroethene	mg/kg	88	1.2	930	0.1	1,200,000	210	- -	0.042 U	0.041 U	0.036 U	0.041 U
Toluene	mg/kg	250	5.4	160,000	16	12,000,000	3,300	- -	0.042 U	0.041 U	0.036 U	0.041 U
trans-1,2-Dichloroethene	mg/kg	1,400	30	12,000	2	2,100,000	330	- -	0.042 U	0.041 U	0.036 U	0.041 U
trans-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.042 U	0.041 U	0.036 U	0.041 U
Trichloroethene	mg/kg	500	4	660	0.1	59,000	14	- -	0.042 U	0.041 U	0.036 U	0.041 U
Trichlorofluoromethane (CFC-11)	mg/kg	560	- -	260,000	150	1,700,000,000	110,000	- -	0.085 U	0.082 U	0.073 U	0.081 U
Trifluorotrichloroethane (Freon 113)	mg/kg	550	1.7	1,000,000	9,000	2,300,000,000	210,000	- -	0.18 U	0.17 U	0.16 U	0.17 U
Vinyl chloride	mg/kg	490	0.26	34	0.04	890,000	29	- -	0.042 U	0.041 U	0.036 U	0.041 U
SVOC												
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
2,4,5-Trichlorophenol	mg/kg	- -	- -	73,000	110	10,000,000	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
2,4,6-Trichlorophenol	mg/kg	- -	0.33	3,300	9.4	1,300,000	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
2,4-Dichlorophenol	mg/kg	1,800	0.33	3,900	4.2	2,300,000	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
2,4-Dimethylphenol	mg/kg	- -	7.6	36,000	20	2,100,000	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
2,4-Dinitrophenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.79 U	0.77 U	0.7 U	0.79 U

Attachment 2 - Table 3.
RFI Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft BGS): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDC (2013)	NDWP (2013)	NPSIC (2013)	NVSICI (2013)	SDBL (2013)	BD01-02 0 - 2 11/30/01	BD01-02 8 - 10 11/30/01	BD01-02 12 - 14 11/30/01	BD01-03 0.-2.4 12/03/01
2,4-Dinitrotoluene	mg/kg	- -	- -	220	0.64	20,000	- -	- -	0.79 U	0.77 U	0.7 U	0.79 U
2,6-Dinitrotoluene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
2-Chloronaphthalene	mg/kg	- -	- -	180,000	1,800	- -	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
2-Chlorophenol	mg/kg	19,000	0.36	4,500	2.6	530,000	1,100	- -	0.2 U	0.19 U	0.18 U	0.2 U
2-Methylnaphthalene	mg/kg	- -	4.2	26,000	170	290,000	1,800	- -	0.2 U	0.19 U	0.18 U	0.2 U
2-Methylphenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
2-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.79 U	0.77 U	0.7 U	0.79 U
2-Nitrophenol	mg/kg	- -	- -	2,000	1.2	- -	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
3&4-Methylphenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.4 UJ	0.39 U	0.36 UJ	0.4 UJ
3,3'-Dichlorobenzidine	mg/kg	- -	2	30	2	8,200	- -	- -	0.79 U	0.77 U	0.7 U	0.79 U
3-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.79 U	0.77 U	0.7 U	0.79 U
4,6-Dinitro-2-methylphenol	mg/kg	- -	- -	260	0.83	59,000	- -	- -	0.79 U	0.77 U	0.7 U	0.79 U
4-Bromophenyl phenyl ether	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
4-Chloro-3-methylphenol	mg/kg	- -	0.28	15,000	16	- -	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
4-Chloroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.79 U	0.77 U	0.7 U	0.79 U
4-Chlorophenyl phenyl ether	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.79 U	0.77 U	0.7 U	0.79 U
4-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.79 U	0.77 U	0.7 U	0.79 U
4-Nitrophenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.79 U	0.77 U	0.7 U	0.79 U
Acenaphthene	mg/kg	- -	8.7	130,000	880	6,200,000	97,000	- -	0.0494 J	0.19 U	0.18 U	0.2 U
Acenaphthylene	mg/kg	- -	- -	5,200	17	1,000,000	2,700	- -	0.2 U	0.19 U	0.18 U	0.2 U
Acetophenone	mg/kg	1,100	- -	150,000	88	14,000,000	52,000	- -	0.2 U	0.19 U	0.18 U	0.2 U
Anthracene	mg/kg	- -	- -	730,000	41	29,000,000	1,600,000	- -	0.15 J	0.19 U	0.18 U	0.2 U
Atrazine	mg/kg	- -	0.15	330	0.06	- -	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
Benzaldehyde	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.2 U	0.19 UJ	0.18 U	0.2 U
Benzo(a)anthracene	mg/kg	- -	- -	80	- -	- -	- -	- -	0.393	0.19 U	0.18 U	0.2 U
Benzo(a)pyrene	mg/kg	- -	- -	8	- -	1,900	- -	- -	0.416	0.19 U	0.18 U	0.2 U
Benzo(b)fluoranthene	mg/kg	- -	- -	80	- -	- -	- -	- -	0.45	0.19 U	0.18 U	0.2 U
Benzo(g,h,i)perylene	mg/kg	- -	- -	7,000	- -	350,000	- -	- -	0.216	0.19 U	0.18 U	0.2 U
Benzo(k)fluoranthene	mg/kg	- -	- -	800	- -	- -	- -	- -	0.429	0.19 U	0.18 U	0.2 U
Biphenyl (1,1-Biphenyl)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
bis(2-Chloroethoxy)methane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
bis(2-Chloroethyl)ether	mg/kg	2,200	0.1	58	0.17	12,000	13	- -	0.039 U	0.038 U	0.035 U	0.039 U
bis(2-Ethylhexyl)phthalate (DEHP)	mg/kg	10,000	- -	12,000	- -	890,000	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
Butyl benzylphthalate (BBP)	mg/kg	310	120	120,000	5,000	21,000,000	- -	- -	0.198 J	0.19 U	0.18 U	0.2 U
Caprolactam	mg/kg	- -	- -	310,000	340	290,000	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
Carbazole	mg/kg	- -	1.1	2,400	39	78,000	- -	- -	0.064 J	0.19 U	0.18 U	0.2 UJ
Chrysene	mg/kg	- -	- -	8,000	- -	- -	- -	- -	0.446	0.19 U	0.18 U	0.2 U
Dibenz(a,h)anthracene	mg/kg	- -	- -	8	- -	- -	- -	- -	0.154 J	0.19 U	0.18 U	0.2 U
Dibenzofuran	mg/kg	- -	1.7	- -	- -	2,900	160	- -	0.0466 J	0.19 U	0.18 U	0.2 U
Diethyl phthalate	mg/kg	740	2.2	550,000	320	1,500,000	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
Dimethyl phthalate	mg/kg	790	- -	1,000,000	4,200	1,500,000	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
Di-n-butylphthalate (DBP)	mg/kg	760	11	87,000	2,700	1,500,000	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
Di-n-octyl phthalate (DnOP)	mg/kg	140,000	- -	20,000	290,000	14,000,000	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
Fluoranthene	mg/kg	- -	5.5	130,000	730	4,100,000	890,000	- -	0.927	0.19 U	0.18 U	0.0524 J
Fluorene	mg/kg	- -	5.3	87,000	890	4,100,000	150,000	- -	0.064 J	0.19 U	0.18 U	0.2 U
Hexachlorobenzene	mg/kg	- -	0.35	37	1.8	8,500	56	- -	0.2 U	0.19 U	0.18 U	0.2 U
Hexachlorobutadiene	mg/kg	350	0.091	470	72	180,000	460	- -	0.2 U	0.19 U	0.18 U	0.2 U
Hexachlorocyclopentadiene	mg/kg	720	- -	6,700	320	5,900	60	- -	0.2 U	0.19 U	0.18 U	0.2 U
Hexachloroethane	mg/kg	- -	1.8	730	1.2	100,000	660	- -	0.2 U	0.19 U	0.18 U	0.2 U
Indeno(1,2,3-cd)pyrene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.202	0.19 U	0.18 U	0.2 U
Isophorone	mg/kg	2,400	26	22,000	62	8,200,000	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
Naphthalene	mg/kg	- -	0.73	52,000	100	88,000	350	- -	0.2 U	0.19 U	0.18 U	0.2 U
Nitrobenzene	mg/kg	490	3.6	340	0.33	21,000	64	- -	0.079 U	0.077 U	0.07 U	0.079 U
N-Nitrosodi-n-propylamine	mg/kg	1,500	- -	5.4	0.33	2,000	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
N-Nitrosodiphenylamine	mg/kg	- -	- -	7,800	22	2,800,000	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
Pentachlorophenol	mg/kg	- -	27	320	0.022	130,000	- -	- -	0.79 U	0.77 U	0.7 U	0.79 U
Phenanthrene	mg/kg	- -	2.1	5,200	160	2,900	190	- -	0.742	0.19 U	0.18 U	0.043 J
Phenol	mg/kg	12,000	9	230,000	260	18,000,000	- -	- -	0.2 U	0.19 U	0.18 U	0.2 U
Pyrene	mg/kg	- -	- -	84,000	480	2,900,000	780,000	- -	0.926	0.19 U	0.18 U	0.0438 J
PCB												

Attachment 2 - Table 3.
RFI Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft BGS): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDC (2013)	NDWP (2013)	NPSIC (2013)	NVSICI (2013)	SDBL (2013)	BD01-02 0 - 2 11/30/01	BD01-02 8 - 10 11/30/01	BD01-02 12 - 14 11/30/01	BD01-03 0.-2.4 12/03/01
Aroclor-1016 (PCB-1016)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.042 U	0.04 U	0.037 U	0.041 U
Aroclor-1221 (PCB-1221)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.042 U	0.04 U	0.037 U	0.041 U
Aroclor-1232 (PCB-1232)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.042 U	0.04 U	0.037 U	0.041 U
Aroclor-1242 (PCB-1242)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.042 U	0.04 U	0.037 U	0.041 U
Aroclor-1248 (PCB-1248)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.042 U	0.04 U	0.037 U	0.041 U
Aroclor-1254 (PCB-1254)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.016 J	0.04 U	0.037 U	0.041 U
Aroclor-1260 (PCB-1260)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.042 U	0.04 U	0.037 U	0.041 U
Inorganic												
Antimony	mg/kg	- -	94	670	4.3	5,900	- -	- -	R	R	R	R
Arsenic	mg/kg	- -	4.6	37	4.6	910	- -	5.8	5 (GSIP (2013),NDWP (2013))	4.7 (GSIP (2013),NDWP (2013))	1.6	4.8 J (GSIP (2013),NDWP (2013))
Barium	mg/kg	- -	850	130,000	1,300	150,000	- -	75	48 J	25 J	4.5 J	26
Beryllium	mg/kg	- -	400	1,600	51	590	- -	- -	0.32 J	0.22 J	0.048 J	0.23 J
Cadmium	mg/kg	- -	5.8	2,100	6	2,200	- -	1.2	0.44	0.084	0.049	0.12
Chromium	mg/kg	- -	3.3	1,000,000	1,000,000	150,000	- -	18	**27 J (GSIP (2013),SDBL (2013))**	8.4 J (GSIP (2013))	4 J (GSIP (2013))	7.8 J (GSIP (2013))
Cobalt	mg/kg	- -	2	9,000	2	5,900	- -	6.8	5.6 (GSIP (2013),NDWP (2013))	4.8 (GSIP (2013),NDWP (2013))	1.5	3.8 J (GSIP (2013),NDWP (2013))
Copper	mg/kg	- -	130	73,000	5,800	59,000	- -	32	16	9.9	3.2	**630 J (GSIP (2013),SDBL (2013))**
Cyanide (total)	mg/kg	- -	0.1	250	4	250	- -	0.39	0.061 J	0.2 U	0.2 U	0.2 U
Lead	mg/kg	- -	8,300	900	700	44,000	- -	21	91 (SDBL (2013))	5.4	2.1	16 J
Manganese	mg/kg	- -	98	90,000	1	1,500	- -	440	260 (GSIP (2013),NDWP (2013))	280 (GSIP (2013),NDWP (2013))	110 (GSIP (2013),NDWP (2013))	190 J (GSIP (2013),NDWP (2013))
Mercury	mg/kg	- -	0.05	580	1.7	8,800	62	0.13	0.0451 J	0.076 U	0.073 U	0.0234 J
Nickel	mg/kg	- -	120	150,000	100	16,000	- -	20	15 J	12 J	4.2 J	10
Selenium	mg/kg	- -	0.4	9,600	4	59,000	- -	0.41	0.29 J	0.065 UJ	0.051 J	0.33 J
Silver	mg/kg	- -	0.1	9,000	13	2,900	- -	1	0.13 J (GSIP (2013))	0.03 J	0.004 J	0.085 J
Thallium	mg/kg	- -	4.2	130	2.3	5,900	- -	- -	0.11 J	0.1 J	0.025 J	0.11 J
Vanadium	mg/kg	- -	430	5,500	990	- -	- -	- -	15	15	4.4	12 J
Zinc	mg/kg	- -	280	630,000	5,000	- -	- -	47	56 J (SDBL (2013))	41 J	11 J	50 J (SDBL (2013))
Miscellaneous												
Total Petroleum Hydrocarbons - Extractable (DRO)	mg/kg	- -	- -	- -	- -	- -	- -	- -	NA	NA	NA	3.7
Total Petroleum Hydrocarbons (C6-C14) GRO	mg/kg	- -	- -	- -	- -	- -	- -	- -	NA	NA	NA	3.5 U
Total solids	mg/kg	- -	- -	- -	- -	- -	- -	- -	843,000	874,000	954,000	852,000

Notes:

Inorganic analytical results which do not exceed State Default Background Levels (SDBL) are not considered exceedances and are not bolded and shaded
Bolded and shaded results indicate an exceedance of SDBL and one or more criteria

mg/kg - milligrams per kilogram
J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.
U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
CSAT - Soil Saturation Concentration Screening Levels
GSIP - Groundwater/Surface Water Interface Protection Criteria
NDC - Nonresidential Direct Contact
NDWP - Nonresidential Drinking Water Protection Criteria
NPSIC - Nonresidential Particulate Soil Inhalation Criteria

Attachment 2 - Table 3.
RFI Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft BGS): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDC (2013)	NDWP (2013)	NPSIC (2013)	NVSICI (2013)	SDBL (2013)	BD01-03 8.4-10.4 12/03/01	BD01-03 18.4-20.4 12/03/01	BD01-04 0.3-2.3 04/02/03
Volatile Organics											
1,1,1-Trichloroethane	mg/kg	460	1.8	1,000,000	4	29,000,000	4,500	- -	0.038 U	0.039 U	0.036 U
1,1,2,2-Tetrachloroethane	mg/kg	870	1.6	240	0.7	68,000	34	- -	0.075 U	0.078 U	0.072 U
1,1,2-Trichloroethane	mg/kg	920	6.6	840	0.1	250,000	57	- -	0.038 U	0.039 U	0.036 U
1,1-Dichloroethane	mg/kg	890	15	87,000	50	15,000,000	2,500	- -	0.038 U	0.039 U	0.036 U
1,1-Dichloroethene	mg/kg	570	2.6	660	0.14	78,000	3.7	- -	0.038 U	0.039 U	0.036 U
1,2,4-Trichlorobenzene	mg/kg	1,100	5.9	5,800	4.2	11,000,000	34,000	- -	0.16 U	0.17 U	0.15 U
1,2,4-Trimethylbenzene	mg/kg	110	0.57	100,000	2.1	36,000,000	25,000	- -	0.054 U	0.056 U	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	1.2	- -	20	0.01	700	0.9	- -	0.16 U	0.17 U	0.15 U
1,2-Dibromoethane (Ethylene dibromide)	mg/kg	890	0.11	0.43	0.02	18,000	5.8	- -	0.16 U	0.17 U	0.15 U
1,2-Dichlorobenzene	mg/kg	210	0.28	63,000	14	44,000,000	46,000	- -	0.075 U	0.078 U	0.072 U
1,2-Dichloroethane	mg/kg	1,200	7.2	420	0.1	150,000	21	- -	0.038 U	0.039 U	0.036 U
1,2-Dichloropropane	mg/kg	550	4.6	660	0.1	120,000	30	- -	0.038 U	0.039 U	0.036 U
1,3,5-Trimethylbenzene	mg/kg	94	1.1	100,000	1.8	36,000,000	19,000	- -	0.054 U	0.056 U	NA
1,3-Dichlorobenzene	mg/kg	170	0.68	660	0.48	88,000	94	- -	0.075 U	0.078 U	0.072 U
1,4-Dichlorobenzene	mg/kg	- -	0.36	1,900	1.7	570,000	260	- -	0.075 U	0.078 U	0.072 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	27,000	44	700,000	760	29,000,000	35,000	- -	0.27 U	0.28 U	0.31 UJ
2-Hexanone	mg/kg	2,500	- -	100,000	58	1,200,000	1,300	- -	0.27 U	0.28 U	0.072 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.27 U	0.28 U	1.5 U
Acetone	mg/kg	110,000	34	73,000	42	170,000,000	160,000	- -	0.27 UJ	0.28 UJ	0.31 U
Benzene	mg/kg	400	4	840	0.1	470,000	45	- -	0.038 U	0.039 U	0.036 U
Bromodichloromethane	mg/kg	1,500	- -	490	1.6	110,000	31	- -	0.075 U	0.078 U	0.072 U
Bromoform	mg/kg	870	- -	3,800	1.6	3,600,000	3,100	- -	0.075 U	0.078 U	0.072 U
Bromomethane (Methyl bromide)	mg/kg	2,200	0.7	1,000	0.58	150,000	13	- -	0.16 U	0.17 U	0.15 UJ
Carbon disulfide	mg/kg	280	- -	43,000	46	21,000,000	1,600	- -	0.16 U	0.17 U	0.15 U
Carbon tetrachloride	mg/kg	390	0.9	440	0.1	170,000	12	- -	0.038 U	0.039 U	0.036 U
Chlorobenzene	mg/kg	260	0.5	14,000	2	2,100,000	920	- -	0.038 U	0.039 U	0.036 U
Chloroethane	mg/kg	950	22	12,000	34	290,000,000	36,000	- -	0.16 U	0.17 U	0.15 U
Chloroform (Trichloromethane)	mg/kg	1,500	7	5,500	1.6	1,600,000	150	- -	0.038 U	0.039 U	0.036 U
Chloromethane (Methyl chloride)	mg/kg	1,100	- -	7,400	22	2,600,000	120	- -	0.16 U	0.17 U	0.15 U
cis-1,2-Dichloroethene	mg/kg	640	12	8,000	1.4	1,000,000	210	- -	0.038 U	0.039 U	0.036 U
cis-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.038 U	0.039 U	0.036 U
Cyclohexane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.16 U	0.17 U	0.15 U
Dibromochloromethane	mg/kg	610	- -	500	1.6	160,000	80	- -	0.075 U	0.078 U	0.072 U
Dichlorodifluoromethane (CFC-12)	mg/kg	1,000	- -	170,000	270	1,500,000,000	63,000	- -	0.075 U	0.078 U	0.072 U
Ethylbenzene	mg/kg	140	0.36	71,000	1.5	13,000,000	2,400	- -	0.038 U	0.039 U	0.036 U
Isopropyl benzene	mg/kg	390	3.2	80,000	260	2,600,000	2,000	- -	0.16 U	0.17 U	0.15 U
m&p-Xylene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.075 U	0.078 U	0.072 U
Methyl acetate	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.16 U	0.17 U	0.15 UJ
Methyl cyclohexane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.16 U	0.17 U	0.15 U
Methyl tert butyl ether (MTBE)	mg/kg	5,900	140	7,100	0.8	88,000,000	30,000	- -	0.27 U	0.28 U	0.15 U
Methylene chloride	mg/kg	2,300	30	5,800	0.1	8,300,000	700	- -	0.16 U	0.17 U	**0.11 J (NDWP (2013))**
o-Xylene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.038 U	0.039 U	0.036 U
Styrene	mg/kg	520	2.1	1,900	2.7	6,900,000	3,300	- -	0.038 U	0.039 U	0.036 U
Tetrachloroethene	mg/kg	88	1.2	930	0.1	1,200,000	210	- -	0.038 U	0.039 U	0.036 U
Toluene	mg/kg	250	5.4	160,000	16	12,000,000	3,300	- -	0.038 U	0.039 U	0.072 U
trans-1,2-Dichloroethene	mg/kg	1,400	30	12,000	2	2,100,000	330	- -	0.038 U	0.039 U	0.036 U
trans-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.038 U	0.039 U	0.036 U
Trichloroethene	mg/kg	500	4	660	0.1	59,000	14	- -	0.038 U	0.039 U	0.036 U
Trichlorofluoromethane (CFC-11)	mg/kg	560	- -	260,000	150	1,700,000,000	110,000	- -	0.075 U	0.078 U	0.072 U
Trifluorotrichloroethane (Freon 113)	mg/kg	550	1.7	1,000,000	9,000	2,300,000,000	210,000	- -	0.16 U	0.17 U	0.15 U
Vinyl chloride	mg/kg	490	0.26	34	0.04	890,000	29	- -	0.038 U	0.039 U	0.072 U
SVOC											
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.18 U	0.19 U	0.18 U
2,4,5-Trichlorophenol	mg/kg	- -	- -	73,000	110	10,000,000	- -	- -	0.18 U	0.19 U	0.18 U
2,4,6-Trichlorophenol	mg/kg	- -	0.33	3,300	9.4	1,300,000	- -	- -	0.18 U	0.19 U	0.18 U
2,4-Dichlorophenol	mg/kg	1,800	0.33	3,900	4.2	2,300,000	- -	- -	0.18 U	0.19 U	0.18 U
2,4-Dimethylphenol	mg/kg	- -	7.6	36,000	20	2,100,000	- -	- -	0.18 U	0.19 U	0.18 U
2,4-Dinitrophenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.71 U	0.75 U	0.72 U

Attachment 2 - Table 3.
RFI Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft BGS): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDC (2013)	NDWP (2013)	NPSIC (2013)	NVSICI (2013)	SDBL (2013)	BD01-03 8.4-10.4 12/03/01	BD01-03 18.4-20.4 12/03/01	BD01-04 0.3-2.3 04/02/03
2,4-Dinitrotoluene	mg/kg	- -	- -	220	0.64	20,000	- -	- -	0.71 U	0.75 U	0.72 U
2,6-Dinitrotoluene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.18 U	0.19 U	0.18 U
2-Chloronaphthalene	mg/kg	- -	- -	180,000	1,800	- -	- -	- -	0.18 U	0.19 U	0.18 U
2-Chlorophenol	mg/kg	19,000	0.36	4,500	2.6	530,000	1,100	- -	0.18 U	0.19 U	0.18 U
2-Methylnaphthalene	mg/kg	- -	4.2	26,000	170	290,000	1,800	- -	0.18 U	0.19 U	0.18 U
2-Methylphenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.18 U	0.19 U	0.18 U
2-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.71 U	0.75 U	0.72 U
2-Nitrophenol	mg/kg	- -	- -	2,000	1.2	- -	- -	- -	0.18 U	0.19 U	0.18 U
3&4-Methylphenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.36 UJ	0.38 UJ	0.36 UJ
3,3'-Dichlorobenzidine	mg/kg	- -	2	30	2	8,200	- -	- -	0.71 U	0.75 U	0.72 U
3-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.71 U	0.75 U	0.72 U
4,6-Dinitro-2-methylphenol	mg/kg	- -	- -	260	0.83	59,000	- -	- -	0.71 U	0.75 U	0.72 U
4-Bromophenyl phenyl ether	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.18 U	0.19 U	0.18 U
4-Chloro-3-methylphenol	mg/kg	- -	0.28	15,000	16	- -	- -	- -	0.18 U	0.19 U	0.18 U
4-Chloroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.71 U	0.75 U	0.72 U
4-Chlorophenyl phenyl ether	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.71 U	0.75 U	0.72 U
4-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.71 U	0.75 U	0.72 U
4-Nitrophenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.71 U	0.75 U	0.72 U
Acenaphthene	mg/kg	- -	8.7	130,000	880	6,200,000	97,000	- -	0.18 U	0.19 U	0.18 U
Acenaphthylene	mg/kg	- -	- -	5,200	17	1,000,000	2,700	- -	0.18 U	0.19 U	0.18 U
Acetophenone	mg/kg	1,100	- -	150,000	88	14,000,000	52,000	- -	0.18 U	0.19 U	0.18 U
Anthracene	mg/kg	- -	- -	730,000	41	29,000,000	1,600,000	- -	0.18 U	0.19 U	0.18 U
Atrazine	mg/kg	- -	0.15	330	0.06	- -	- -	- -	0.18 UJ	0.19 UJ	0.18 U
Benzaldehyde	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.18 UJ	0.19 UJ	0.18 UJ
Benzo(a)anthracene	mg/kg	- -	- -	80	- -	- -	- -	- -	0.18 U	0.19 U	0.18 U
Benzo(a)pyrene	mg/kg	- -	- -	8	- -	1,900	- -	- -	0.18 U	0.19 U	0.18 UJ
Benzo(b)fluoranthene	mg/kg	- -	- -	80	- -	- -	- -	- -	0.18 U	0.19 U	0.18 UJ
Benzo(g,h,i)perylene	mg/kg	- -	- -	7,000	- -	350,000	- -	- -	0.18 U	0.19 U	0.18 U
Benzo(k)fluoranthene	mg/kg	- -	- -	800	- -	- -	- -	- -	0.18 U	0.19 U	0.18 UJ
Biphenyl (1,1-Biphenyl)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.18 U	0.19 U	0.18 U
bis(2-Chloroethoxy)methane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.18 U	0.19 U	0.18 U
bis(2-Chloroethyl)ether	mg/kg	2,200	0.1	58	0.17	12,000	13	- -	0.035 U	0.037 U	0.035 U
bis(2-Ethylhexyl)phthalate (DEHP)	mg/kg	10,000	- -	12,000	- -	890,000	- -	- -	0.18 U	0.19 U	0.388
Butyl benzylphthalate (BBP)	mg/kg	310	120	120,000	5,000	21,000,000	- -	- -	0.18 U	0.19 U	0.18 U
Caprolactam	mg/kg	- -	- -	310,000	340	290,000	- -	- -	0.18 U	0.19 U	0.18 U
Carbazole	mg/kg	- -	1.1	2,400	39	78,000	- -	- -	0.18 UJ	0.19 UJ	0.18 U
Chrysene	mg/kg	- -	- -	8,000	- -	- -	- -	- -	0.18 U	0.19 U	0.18 U
Dibenz(a,h)anthracene	mg/kg	- -	- -	8	- -	- -	- -	- -	0.18 U	0.19 U	0.18 U
Dibenzofuran	mg/kg	- -	1.7	- -	- -	2,900	160	- -	0.18 U	0.19 U	0.18 U
Diethyl phthalate	mg/kg	740	2.2	550,000	320	1,500,000	- -	- -	0.18 U	0.19 U	0.18 U
Dimethyl phthalate	mg/kg	790	- -	1,000,000	4,200	1,500,000	- -	- -	0.18 U	0.19 U	0.18 U
Di-n-butylphthalate (DBP)	mg/kg	760	11	87,000	2,700	1,500,000	- -	- -	0.18 U	0.19 U	0.18 U
Di-n-octyl phthalate (DnOP)	mg/kg	140,000	- -	20,000	290,000	14,000,000	- -	- -	0.18 U	0.19 U	0.18 UJ
Fluoranthene	mg/kg	- -	5.5	130,000	730	4,100,000	890,000	- -	0.18 U	0.19 U	0.18 U
Fluorene	mg/kg	- -	5.3	87,000	890	4,100,000	150,000	- -	0.18 U	0.19 U	0.18 U
Hexachlorobenzene	mg/kg	- -	0.35	37	1.8	8,500	56	- -	0.18 U	0.19 U	0.18 U
Hexachlorobutadiene	mg/kg	350	0.091	470	72	180,000	460	- -	0.18 U	0.19 U	0.18 U
Hexachlorocyclopentadiene	mg/kg	720	- -	6,700	320	5,900	60	- -	0.18 U	0.19 U	0.18 U
Hexachloroethane	mg/kg	- -	1.8	730	1.2	100,000	660	- -	0.18 U	0.19 U	0.18 U
Indeno(1,2,3-cd)pyrene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.18 U	0.19 U	0.18 U
Isophorone	mg/kg	2,400	26	22,000	62	8,200,000	- -	- -	0.18 U	0.19 U	0.18 U
Naphthalene	mg/kg	- -	0.73	52,000	100	88,000	350	- -	0.18 U	0.19 U	0.18 U
Nitrobenzene	mg/kg	490	3.6	340	0.33	21,000	64	- -	0.071 U	0.075 U	0.072 U
N-Nitrosodi-n-propylamine	mg/kg	1,500	- -	5.4	0.33	2,000	- -	- -	0.18 U	0.19 U	0.18 U
N-Nitrosodiphenylamine	mg/kg	- -	- -	7,800	22	2,800,000	- -	- -	0.18 U	0.19 U	0.18 U
Pentachlorophenol	mg/kg	- -	27	320	0.022	130,000	- -	- -	0.71 U	0.75 U	0.72 U
Phenanthrene	mg/kg	- -	2.1	5,200	160	2,900	190	- -	0.18 U	0.19 U	0.18 U
Phenol	mg/kg	12,000	9	230,000	260	18,000,000	- -	- -	0.18 U	0.19 U	0.18 U
Pyrene	mg/kg	- -	- -	84,000	480	2,900,000	780,000	- -	0.18 U	0.19 U	0.18 U
PCB											

Attachment 2 - Table 3.
RFI Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft BGS): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDC (2013)	NDWP (2013)	NPSIC (2013)	NVSICI (2013)	SDBL (2013)	BD01-03 8.4-10.4 12/03/01	BD01-03 18.4-20.4 12/03/01	BD01-04 0.3-2.3 04/02/03
Aroclor-1016 (PCB-1016)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.037 U	0.039 U	0.037 U
Aroclor-1221 (PCB-1221)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.037 U	0.039 U	0.037 U
Aroclor-1232 (PCB-1232)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.037 U	0.039 U	0.037 U
Aroclor-1242 (PCB-1242)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.037 U	0.039 U	0.037 U
Aroclor-1248 (PCB-1248)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.037 U	0.039 U	0.037 U
Aroclor-1254 (PCB-1254)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.037 U	0.039 U	0.037 U
Aroclor-1260 (PCB-1260)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.037 U	0.039 U	0.037 U
Inorganic											
Antimony	mg/kg	- -	94	670	4.3	5,900	- -	- -	R	R	0.043 J
Arsenic	mg/kg	- -	4.6	37	4.6	910	- -	5.8	3.1 J	3.3 J	4.4 J
Barium	mg/kg	- -	850	130,000	1,300	150,000	- -	75	7.9	8.9	22
Beryllium	mg/kg	- -	400	1,600	51	590	- -	- -	0.11 J	0.074 J	0.13 J
Cadmium	mg/kg	- -	5.8	2,100	6	2,200	- -	1.2	0.086	0.059	0.12 U
Chromium	mg/kg	- -	3.3	1,000,000	1,000,000	150,000	- -	18	5 J (GSIP (2013))	6.5 J (GSIP (2013))	6 (GSIP (2013))
Cobalt	mg/kg	- -	2	9,000	2	5,900	- -	6.8	2.5 J (GSIP (2013),NDWP (2013))	2.3 J (GSIP (2013),NDWP (2013))	2.9 J (GSIP (2013),NDWP (2013))
Copper	mg/kg	- -	130	73,000	5,800	59,000	- -	32	5.9 J	5.5 J	3.6 J
Cyanide (total)	mg/kg	- -	0.1	250	4	250	- -	0.39	0.2 U	0.2 U	0.2 U
Lead	mg/kg	- -	8,300	900	700	44,000	- -	21	3.3 J	3.2 J	5.9 J
Manganese	mg/kg	- -	98	90,000	1	1,500	- -	440	190 J (GSIP (2013),NDWP (2013))	130 J (GSIP (2013),NDWP (2013))	150 (GSIP (2013),NDWP (2013))
Mercury	mg/kg	- -	0.05	580	1.7	8,800	62	0.13	0.074 U	0.078 U	0.0476 J
Nickel	mg/kg	- -	120	150,000	100	16,000	- -	20	7.1	6.9	9.3 J
Selenium	mg/kg	- -	0.4	9,600	4	59,000	- -	0.41	0.18	0.33 J	0.23 J
Silver	mg/kg	- -	0.1	9,000	13	2,900	- -	1	0.022 J	0.037 J	0.032 J
Thallium	mg/kg	- -	4.2	130	2.3	5,900	- -	- -	0.076 J	0.048 J	0.076 J
Vanadium	mg/kg	- -	430	5,500	990	- -	- -	- -	7.7 J	7.7 J	13 J
Zinc	mg/kg	- -	280	630,000	5,000	- -	- -	47	21 J	21 J	21 J
Miscellaneous											
Total Petroleum Hydrocarbons - Extractable (DRO)	mg/kg	- -	- -	- -	- -	- -	- -	- -	3.1 J	3.4 U	NA
Total Petroleum Hydrocarbons (C6-C14) GRO	mg/kg	- -	- -	- -	- -	- -	- -	- -	3.2 U	3.4 U	NA
Total solids	mg/kg	- -	- -	- -	- -	- -	- -	- -	944,000	894,000	936,000

Notes:

Inorganic analytical results which do not exceed State Default Background Levels (SDBL) are not considered exceedances and are not bolded and shaded
Bolded and shaded results indicate an exceedance of SDBL and one or more criteria

mg/kg - milligrams per kilogram
J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.
U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
CSAT - Soil Saturation Concentration Screening Levels
GSIP - Groundwater/Surface Water Interface Protection Criteria
NDC - Nonresidential Direct Contact
NDWP - Nonresidential Drinking Water Protection Criteria
NPSIC - Nonresidential Particulate Soil Inhalation Criteria

Attachment 2 - Table 3.
RFI Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft BGS): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDC (2013)	NDWP (2013)	NPSIC (2013)	NVSICI (2013)	SDBL (2013)	BD01-04 6.3-8.3 04/02/03
Volatile Organics									
1,1,1-Trichloroethane	mg/kg	460	1.8	1,000,000	4	29,000,000	4,500	- -	0.044 U [0.044 U]
1,1,2,2-Tetrachloroethane	mg/kg	870	1.6	240	0.7	68,000	34	- -	0.088 U [0.087 U]
1,1,2-Trichloroethane	mg/kg	920	6.6	840	0.1	250,000	57	- -	0.044 U [0.044 U]
1,1-Dichloroethane	mg/kg	890	15	87,000	50	15,000,000	2,500	- -	0.044 U [0.044 U]
1,1-Dichloroethene	mg/kg	570	2.6	660	0.14	78,000	3.7	- -	0.044 U [0.044 U]
1,2,4-Trichlorobenzene	mg/kg	1,100	5.9	5,800	4.2	11,000,000	34,000	- -	0.19 U [0.19 U]
1,2,4-Trimethylbenzene	mg/kg	110	0.57	100,000	2.1	36,000,000	25,000	- -	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	1.2	- -	20	0.01	700	0.9	- -	0.19 U [0.19 U]
1,2-Dibromoethane (Ethylene dibromide)	mg/kg	890	0.11	0.43	0.02	18,000	5.8	- -	0.19 U [0.19 U]
1,2-Dichlorobenzene	mg/kg	210	0.28	63,000	14	44,000,000	46,000	- -	0.088 U [0.087 U]
1,2-Dichloroethane	mg/kg	1,200	7.2	420	0.1	150,000	21	- -	0.044 U [0.044 U]
1,2-Dichloropropane	mg/kg	550	4.6	660	0.1	120,000	30	- -	0.044 U [0.044 U]
1,3,5-Trimethylbenzene	mg/kg	94	1.1	100,000	1.8	36,000,000	19,000	- -	NA
1,3-Dichlorobenzene	mg/kg	170	0.68	660	0.48	88,000	94	- -	0.088 U [0.087 U]
1,4-Dichlorobenzene	mg/kg	- -	0.36	1,900	1.7	570,000	260	- -	0.088 U [0.087 U]
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	27,000	44	700,000	760	29,000,000	35,000	- -	0.38 UJ [0.37 UJ]
2-Hexanone	mg/kg	2,500	- -	100,000	58	1,200,000	1,300	- -	0.088 U [0.087 U]
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	- -	- -	- -	- -	- -	- -	- -	1.9 U [1.9 U]
Acetone	mg/kg	110,000	34	73,000	42	170,000,000	160,000	- -	0.38 U [0.37 U]
Benzene	mg/kg	400	4	840	0.1	470,000	45	- -	0.044 U [0.044 U]
Bromodichloromethane	mg/kg	1,500	- -	490	1.6	110,000	31	- -	0.088 U [0.087 U]
Bromoform	mg/kg	870	- -	3,800	1.6	3,600,000	3,100	- -	0.088 U [0.087 U]
Bromomethane (Methyl bromide)	mg/kg	2,200	0.7	1,000	0.58	150,000	13	- -	0.19 UJ [0.19 U]
Carbon disulfide	mg/kg	280	- -	43,000	46	21,000,000	1,600	- -	0.19 U [0.19 U]
Carbon tetrachloride	mg/kg	390	0.9	440	0.1	170,000	12	- -	0.044 U [0.044 U]
Chlorobenzene	mg/kg	260	0.5	14,000	2	2,100,000	920	- -	0.044 U [0.044 U]
Chloroethane	mg/kg	950	22	12,000	34	290,000,000	36,000	- -	0.19 U [0.19 U]
Chloroform (Trichloromethane)	mg/kg	1,500	7	5,500	1.6	1,600,000	150	- -	0.044 U [0.044 U]
Chloromethane (Methyl chloride)	mg/kg	1,100	- -	7,400	22	2,600,000	120	- -	0.19 U [0.19 U]
cis-1,2-Dichloroethene	mg/kg	640	12	8,000	1.4	1,000,000	210	- -	0.044 U [0.044 U]
cis-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.044 U [0.044 U]
Cyclohexane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.19 U [0.19 U]
Dibromochloromethane	mg/kg	610	- -	500	1.6	160,000	80	- -	0.088 U [0.087 U]
Dichlorodifluoromethane (CFC-12)	mg/kg	1,000	- -	170,000	270	1,500,000,000	63,000	- -	0.088 U [0.087 U]
Ethylbenzene	mg/kg	140	0.36	71,000	1.5	13,000,000	2,400	- -	0.044 U [0.044 U]
Isopropyl benzene	mg/kg	390	3.2	80,000	260	2,600,000	2,000	- -	0.19 U [0.19 U]
m&p-Xylene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.088 U [0.087 U]
Methyl acetate	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.19 UJ [0.19 UJ]
Methyl cyclohexane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.19 U [0.19 U]
Methyl tert butyl ether (MTBE)	mg/kg	5,900	140	7,100	0.8	88,000,000	30,000	- -	0.19 U [0.19 U]
Methylene chloride	mg/kg	2,300	30	5,800	0.1	8,300,000	700	- -	**0.13 J (NDWP (2013)) [0.13 J (NDWP (2013))]**
o-Xylene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.044 U [0.044 U]
Styrene	mg/kg	520	2.1	1,900	2.7	6,900,000	3,300	- -	0.044 U [0.044 U]
Tetrachloroethene	mg/kg	88	1.2	930	0.1	1,200,000	210	- -	0.044 U [0.044 U]
Toluene	mg/kg	250	5.4	160,000	16	12,000,000	3,300	- -	0.088 U [0.087 U]
trans-1,2-Dichloroethene	mg/kg	1,400	30	12,000	2	2,100,000	330	- -	0.044 U [0.044 U]
trans-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.044 U [0.044 U]
Trichloroethene	mg/kg	500	4	660	0.1	59,000	14	- -	0.044 U [0.044 U]
Trichlorofluoromethane (CFC-11)	mg/kg	560	- -	260,000	150	1,700,000,000	110,000	- -	0.088 U [0.087 U]
Trifluorotrichloroethane (Freon 113)	mg/kg	550	1.7	1,000,000	9,000	2,300,000,000	210,000	- -	0.19 U [0.19 U]
Vinyl chloride	mg/kg	490	0.26	34	0.04	890,000	29	- -	0.088 U [0.087 U]
SVOC									
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.22 U [0.21 U]
2,4,5-Trichlorophenol	mg/kg	- -	- -	73,000	110	10,000,000	- -	- -	0.22 U [0.21 U]
2,4,6-Trichlorophenol	mg/kg	- -	0.33	3,300	9.4	1,300,000	- -	- -	0.22 U [0.21 U]
2,4-Dichlorophenol	mg/kg	1,800	0.33	3,900	4.2	2,300,000	- -	- -	0.22 U [0.21 U]
2,4-Dimethylphenol	mg/kg	- -	7.6	36,000	20	2,100,000	- -	- -	0.22 U [0.21 U]
2,4-Dinitrophenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.87 U [0.84 U]

Attachment 2 - Table 3.
RFI Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft BGS): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDC (2013)	NDWP (2013)	NPSIC (2013)	NVSICI (2013)	SDBL (2013)	BD01-04 6.3-8.3 04/02/03
2,4-Dinitrotoluene	mg/kg	- -	- -	220	0.64	20,000	- -	- -	0.87 U [0.84 U]
2,6-Dinitrotoluene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.22 U [0.21 U]
2-Chloronaphthalene	mg/kg	- -	- -	180,000	1,800	- -	- -	- -	0.22 U [0.21 U]
2-Chlorophenol	mg/kg	19,000	0.36	4,500	2.6	530,000	1,100	- -	0.22 U [0.21 U]
2-Methylnaphthalene	mg/kg	- -	4.2	26,000	170	290,000	1,800	- -	0.22 U [0.21 U]
2-Methylphenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.22 U [0.21 U]
2-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.87 U [0.84 U]
2-Nitrophenol	mg/kg	- -	- -	2,000	1.2	- -	- -	- -	0.22 U [0.21 U]
3&4-Methylphenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.44 UJ [0.43 UJ]
3,3'-Dichlorobenzidine	mg/kg	- -	2	30	2	8,200	- -	- -	0.87 U [0.84 U]
3-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.87 U [0.84 U]
4,6-Dinitro-2-methylphenol	mg/kg	- -	- -	260	0.83	59,000	- -	- -	0.87 U [0.84 U]
4-Bromophenyl phenyl ether	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.22 U [0.21 U]
4-Chloro-3-methylphenol	mg/kg	- -	0.28	15,000	16	- -	- -	- -	0.22 U [0.21 U]
4-Chloroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.87 U [0.84 U]
4-Chlorophenyl phenyl ether	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.87 U [0.84 U]
4-Nitroaniline	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.87 U [0.84 U]
4-Nitrophenol	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.87 U [0.84 U]
Acenaphthene	mg/kg	- -	8.7	130,000	880	6,200,000	97,000	- -	0.22 U [0.21 U]
Acenaphthylene	mg/kg	- -	- -	5,200	17	1,000,000	2,700	- -	0.22 U [0.21 U]
Acetophenone	mg/kg	1,100	- -	150,000	88	14,000,000	52,000	- -	0.22 U [0.21 U]
Anthracene	mg/kg	- -	- -	730,000	41	29,000,000	1,600,000	- -	0.22 U [0.21 U]
Atrazine	mg/kg	- -	0.15	330	0.06	- -	- -	- -	0.22 U [0.21 U]
Benzaldehyde	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.22 UJ [0.21 UJ]
Benzo(a)anthracene	mg/kg	- -	- -	80	- -	- -	- -	- -	0.22 U [0.21 U]
Benzo(a)pyrene	mg/kg	- -	- -	8	- -	1,900	- -	- -	0.22 U [0.21 U]
Benzo(b)fluoranthene	mg/kg	- -	- -	80	- -	- -	- -	- -	0.22 U [0.21 U]
Benzo(g,h,i)perylene	mg/kg	- -	- -	7,000	- -	350,000	- -	- -	0.22 U [0.21 U]
Benzo(k)fluoranthene	mg/kg	- -	- -	800	- -	- -	- -	- -	0.22 U [0.21 U]
Biphenyl (1,1-Biphenyl)	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.22 U [0.21 U]
bis(2-Chloroethoxy)methane	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.22 U [0.21 U]
bis(2-Chloroethyl)ether	mg/kg	2,200	0.1	58	0.17	12,000	13	- -	0.043 U [0.042 U]
bis(2-Ethylhexyl)phthalate (DEHP)	mg/kg	10,000	- -	12,000	- -	890,000	- -	- -	0.22 U [0.584]
Butyl benzylphthalate (BBP)	mg/kg	310	120	120,000	5,000	21,000,000	- -	- -	0.22 U [0.21 U]
Caprolactam	mg/kg	- -	- -	310,000	340	290,000	- -	- -	0.22 U [0.21 U]
Carbazole	mg/kg	- -	1.1	2,400	39	78,000	- -	- -	0.22 U [0.21 U]
Chrysene	mg/kg	- -	- -	8,000	- -	- -	- -	- -	0.22 U [0.21 U]
Dibenz(a,h)anthracene	mg/kg	- -	- -	8	- -	- -	- -	- -	0.22 U [0.21 U]
Dibenzofuran	mg/kg	- -	1.7	- -	- -	2,900	160	- -	0.22 U [0.21 U]
Diethyl phthalate	mg/kg	740	2.2	550,000	320	1,500,000	- -	- -	0.22 U [0.21 U]
Dimethyl phthalate	mg/kg	790	- -	1,000,000	4,200	1,500,000	- -	- -	0.22 U [0.21 U]
Di-n-butylphthalate (DBP)	mg/kg	760	11	87,000	2,700	1,500,000	- -	- -	0.22 U [0.21 U]
Di-n-octyl phthalate (DnOP)	mg/kg	140,000	- -	20,000	290,000	14,000,000	- -	- -	0.22 U [0.21 U]
Fluoranthene	mg/kg	- -	5.5	130,000	730	4,100,000	890,000	- -	0.22 U [0.21 U]
Fluorene	mg/kg	- -	5.3	87,000	890	4,100,000	150,000	- -	0.22 U [0.21 U]
Hexachlorobenzene	mg/kg	- -	0.35	37	1.8	8,500	56	- -	0.22 U [0.21 U]
Hexachlorobutadiene	mg/kg	350	0.091	470	72	180,000	460	- -	0.22 U [0.21 U]
Hexachlorocyclopentadiene	mg/kg	720	- -	6,700	320	5,900	60	- -	0.22 U [0.21 U]
Hexachloroethane	mg/kg	- -	1.8	730	1.2	100,000	660	- -	0.22 U [0.21 U]
Indeno(1,2,3-cd)pyrene	mg/kg	- -	- -	- -	- -	- -	- -	- -	0.22 U [0.21 U]
Isophorone	mg/kg	2,400	26	22,000	62	8,200,000	- -	- -	0.22 U [0.21 U]
Naphthalene	mg/kg	- -	0.73	52,000	100	88,000	350	- -	0.22 U [0.21 U]
Nitrobenzene	mg/kg	490	3.6	340	0.33	21,000	64	- -	0.087 U [0.084 U]
N-Nitrosodi-n-propylamine	mg/kg	1,500	- -	5.4	0.33	2,000	- -	- -	0.22 U [0.21 U]
N-Nitrosodiphenylamine	mg/kg	- -	- -	7,800	22	2,800,000	- -	- -	0.22 U [0.21 U]
Pentachlorophenol	mg/kg	- -	27	320	0.022	130,000	- -	- -	0.87 U [0.84 U]
Phenanthrene	mg/kg	- -	2.1	5,200	160	2,900	190	- -	0.22 U [0.21 U]
Phenol	mg/kg	12,000	9	230,000	260	18,000,000	- -	- -	0.22 U [0.21 U]
Pyrene	mg/kg	- -	- -	84,000	480	2,900,000	780,000	- -	0.22 U [0.21 U]
PCB									

Attachment 2 - Table 3.
RFI Investigation - Admin Bldg No. 1 Soil Data
RACER Trust, Buick City Site, Flint, MI

Location ID: Sample Depth(ft BGS): Date Collected:	Units	CSAT (2013)	GSIP (2013)	NDC (2013)	NDWP (2013)	NPSIC (2013)	NVSICI (2013)	SDBL (2013)	BD01-04 6.3-8.3 04/02/03
Aroclor-1016 (PCB-1016)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.045 U [0.044 U]
Aroclor-1221 (PCB-1221)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.045 U [0.044 U]
Aroclor-1232 (PCB-1232)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.045 U [0.044 U]
Aroclor-1242 (PCB-1242)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.045 U [0.044 U]
Aroclor-1248 (PCB-1248)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.045 U [0.044 U]
Aroclor-1254 (PCB-1254)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.045 U [0.044 U]
Aroclor-1260 (PCB-1260)	mg/kg	- -	- -	16	- -	- -	- -	- -	0.045 U [0.044 U]
Inorganic									
Antimony	mg/kg	- -	94	670	4.3	5,900	- -	- -	0.012 J [0.11 J]
Arsenic	mg/kg	- -	4.6	37	4.6	910	- -	5.8	**5.7 J (GSIP (2013),NDWP (2013)) [7.7 J (GSIP (2013),NDWP (2013),SDBL (2013))]**
Barium	mg/kg	- -	850	130,000	1,300	150,000	- -	75	61 [98 (SDBL (2013))]
Beryllium	mg/kg	- -	400	1,600	51	590	- -	- -	0.45 J [0.61 J]
Cadmium	mg/kg	- -	5.8	2,100	6	2,200	- -	1.2	0.14 U [0.24]
Chromium	mg/kg	- -	3.3	1,000,000	1,000,000	150,000	- -	18	**19 (GSIP (2013),SDBL (2013)) [26 (GSIP (2013),SDBL (2013))]**
Cobalt	mg/kg	- -	2	9,000	2	5,900	- -	6.8	**9.3 J (GSIP (2013),NDWP (2013),SDBL (2013)) [10 J (GSIP (2013),NDWP (2013),SDBL (2013))]**
Copper	mg/kg	- -	130	73,000	5,800	59,000	- -	32	13 J [20 J]
Cyanide (total)	mg/kg	- -	0.1	250	4	250	- -	0.39	0.3 U [0.3 U]
Lead	mg/kg	- -	8,300	900	700	44,000	- -	21	9.4 J [14 J]
Manganese	mg/kg	- -	98	90,000	1	1,500	- -	440	330 (GSIP (2013),NDWP (2013)) [290 (GSIP (2013),NDWP (2013))]
Mercury	mg/kg	- -	0.05	580	1.7	8,800	62	0.13	0.0722 J (GSIP (2013)) [0.0514 J (GSIP (2013))]
Nickel	mg/kg	- -	120	150,000	100	16,000	- -	20	21 J (SDBL (2013)) [29 J (SDBL (2013))]
Selenium	mg/kg	- -	0.4	9,600	4	59,000	- -	0.41	0.085 J [0.18 J]
Silver	mg/kg	- -	0.1	9,000	13	2,900	- -	1	0.084 J [0.11 J (GSIP (2013))]
Thallium	mg/kg	- -	4.2	130	2.3	5,900	- -	- -	0.19 [0.31]
Vanadium	mg/kg	- -	430	5,500	990	- -	- -	- -	31 J [44 J]
Zinc	mg/kg	- -	280	630,000	5,000	- -	- -	47	46 J [60 J (SDBL (2013))]
Miscellaneous									
Total Petroleum Hydrocarbons - Extractable (DRO)	mg/kg	- -	- -	- -	- -	- -	- -	- -	NA
Total Petroleum Hydrocarbons (C6-C14) GRO	mg/kg	- -	- -	- -	- -	- -	- -	- -	NA
Total solids	mg/kg	- -	- -	- -	- -	- -	- -	- -	774,000 [793,000]

Notes:

Inorganic analytical results which do not exceed State Default Background Levels (SDBL) are not considered exceedances and are not bolded and shaded
Bolded and shaded results indicate an exceedance of SDBL and one or more criteria

mg/kg - milligrams per kilogram
J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.
U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
CSAT - Soil Saturation Concentration Screening Levels
GSIP - Groundwater/Surface Water Interface Protection Criteria
NDC - Nonresidential Direct Contact
NDWP - Nonresidential Drinking Water Protection Criteria
NPSIC - Nonresidential Particulate Soil Inhalation Criteria

ARCADIS Design & Consultancy for natural and built assets